



Building knowledge

Job Order Contract Construction Task Catalog®

Book 1 CSI Divisions 01 - 43 November 2018

County of San Mateo,
General Construction



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CTC Information:

- ☑ This Construction Task Catalog® was developed and customized by The Gordian Group, Inc. specifically for **County of San Mateo**, priced locally using current labor, material and equipment costs, and published in October 2016.
- ☑ The Gordian Group, Inc. licenses the use of this CTC and other proprietary information and software for the sole purpose of providing Job Order Contracting services to **County of San Mateo**. Use of The Gordian Group's CTC and other proprietary information and software for any other purpose or any other entity is expressly prohibited without the express written consent of The Gordian Group, Inc.

MasterFormat™

- ☑ The tasks in this Construction Task Catalog are organized using CSI's *MasterFormat*.



The Unit Prices Include:

LABOR COSTS:

- ☑ Labor costs include unloading equipment, materials, and tools, and transporting the same up or down 2 1/2 stories and 125' to reach the project site; layout; measuring and cutting to fit; performing the task; disposal of excess material; and time for lunch and breaks.
- ☑ Labor costs include direct labor through the working foreperson level at straight-time prevailing wage rates including fringe benefits and an allowance for Social Security and Medicare taxes, worker's compensation, unemployment insurance and employee benefits.

- ☑ Labor costs are based on workers familiar with and skilled in the performance of the task following OSHA requirements.

EQUIPMENT COSTS:

- ☑ Equipment costs include all equipment required to accomplish the task. Mobilization is included for all equipment except large equipment (e.g. cranes, pile drivers, bulldozers, excavators, backhoes, bobcats etc.), which exclude mobilization.
- ☑ Equipment costs include all operating expenses such as fuel, electricity, lubricants, etc.

MATERIAL COSTS:

- ☑ Material costs include the cost of the material, delivery, and all incidentals and accessories integral to the installation.
- ☑ Material costs include manufacturer's and/or fabricator's shop drawings.
- ☑ Material costs for roofing, drywall, VCT, carpet, wall covering, ceiling tile, pipe, conduit, concrete, etc. include an allowance for waste. This list is not intended to be all inclusive, but descriptive of the types of construction materials that are typically sold in standard lengths, sizes and weights.

Complete and In-Place Construction:

- ☑ Unit prices are for complete and in-place construction and include all labor, equipment and material required to complete the task as described in the CTC.
- ☑ If the Contractor uses a crane or other lifting equipment (except a truck mounted boom lift or other equipment as part of the delivery process) to lift material onto a roof, even if that roof is less than 2 1/2 stories, the contractor will be paid for such crane or lifting equipment as a separate task.

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- ☑ Unit prices for imported materials (e.g. aggregate, sand, soil, etc.) include delivery up to 15 miles from the closest approved source.
- ☑ Unit prices include all fasteners such as anchor bolts, lag bolts, screws, adhesive, wedge anchors, expansion bolts, roofing clips (excluding hurricane clips) that are required. Fasteners listed separately in the CTC are for use with Owner furnished material and equipment or relocating or reinstalling existing material and equipment.
- ☑ Unit prices exclude more substantial mounting material such as threaded rod or angle iron unless the task description states otherwise.
- ☑ Unit prices for doors and windows, duct work, plumbing fixtures, seamless floors, countertops, flashing, pitch pockets, skylights, curbs, roofing, etc. include sealant and caulking.
- ☑ Unit prices include testing, calibration, balancing and the like required to ensure proper installation, construction and performance (e.g. compaction test for backfill, balancing of heating ventilation and air conditioning, pneumatic or hydrostatic testing, soaping of joints, disinfection and flushing, others as required). Use of owner supplied materials, equipment or tying into existing equipment/piping may justify testing, balancing, etc.

Demolition:

- ☑ Unit prices for demolition include all labor, equipment and material required for the complete removal of the items; clean-up of the area; and transporting the demolished items up or down 2 ½ stories into a truck, dumpster, or to an owner designated area, located within 125' of the project site.
- ☑ Unit prices for demolition exclude costs for hauling (See 01741900), dump fees (See 01741900), dumpsters (See 01741900), and trash chutes (See 01741900).
- ☑ If the item being demolished is attached to another item being removed and can be removed as one item, then that item shall not be priced as a

separate demolition task, unless the component alone must be demolished to accomplish the task (e.g. demolition of pipe includes pipe fittings unless the fitting must be demolished separately to accomplish the task; demolition of a wood door includes hinges, hardware, closures, kick plates, etc.).

- ☑ The description "replace" includes the demolition of the existing item and the installation of the new item.
- ☑ The descriptions "remove and relocate" or "remove and reinstall" includes the removal, cleaning of item and installation of the existing item in either the same location or another location.
- ☑ The description "reinstall" includes the cleaning and installation of the existing item.
- ☑ Salvageable materials remain the property of the Owner and shall be turned over as directed when specified in the Job Order.

The Adjustment Factors Include:

BUSINESS COSTS:

- ☑ Overhead costs, including, unless specifically excluded in the Contract Documents, but not limited to;
 - home office overhead
 - insurance, bonds, and indemnification
 - project meetings, training, management and supervision
 - mobilization and close-out for the contract and each Job Order and
 - project office staff and equipment.
- ☑ Profit.
- ☑ Subcontractor's overhead and profit.
- ☑ All taxes for which a waiver is not available including material sales tax and equipment rental.
- ☑ Employee or Subcontractor's wage rates that exceed the prevailing wage rates.

- Fringe benefits, payroll taxes, worker's compensation, insurance costs and any other payment mandated by law in connection with labor that exceeds the labor rate allowances.
- Cost of financing the work.
- Business risks such as the risk of a lower than expected volume of work, smaller than anticipated Job Orders, poor Subcontractor performance, and inflation or material cost fluctuations.

CONSTRUCTION RELATED COSTS:

- Services required to obtain filings and permits.
- Preparation and modification of proposals, sketches, drawings, submittals, as-built drawings, CADD drawings, microfilm, and other project records.
- Incidental engineering and architectural services.
- Office trailer and portable toilets for Contractor's use.
- Construction vehicles such as pick-up trucks, utility trucks, vans, flat bed trucks, tractors, trailers, etc.
- Storage devices or items such as gang boxes and containers for Contractor's tools, equipment and materials.
- Basic safety and warning signage, minor barricades (e.g., construction tape, etc.) and personnel safety equipment (e.g., hard hats, safety harnesses with lifeline or cabling, protective clothing, safety glasses, face shields, etc.).
- Meeting Owner security requirements.
- Excess waste including roofing, drywall, VCT, carpet, wall covering, ceiling tile, pipe, conduit, siding, concrete, etc. This list is not intended to be all inclusive, but descriptive of the types of construction materials that are typically sold in standard lengths, sizes and weights.
- Removing and returning Owner's furniture and furnishings (e.g. chairs, tables, pictures, etc. but excluding modular furniture, wall or ceiling attached or fastened devices or furnishings, safes or other furniture requiring disassembly).

- Sealing, windows, and openings with plastic to contain construction dust and debris within the work area.
- Daily clean-up.
- Final professional project clean-up.
- Costs resulting from inadequate supply of building materials, fuel, electricity, or skilled labor.
- Costs resulting from productivity loss.
- Working in extreme temperatures (below or above normal) or adverse conditions such as excessive rain, wind, sleet or snow.
- Differences in project size; complexity and location.
- All costs for other than discreet items of work specifically required to complete a particular Job Order.

PRICE VARIATIONS:

- Contractors may find differences in labor, equipment and material costs due to certain economic factors. Variations in labor cost can also result from labor efficiency, labor restrictions, working conditions and local work rules. Variations in material costs can also result from the quantity of material purchased, the existing relationship with suppliers, and because the materials have been discontinued or have become obsolete.
- While diligent effort is made to provide accurate and reliable up-to-date pricing, it is the responsibility of the Contractor to review and analyze the unit prices, and to calculate their Adjustment Factors accordingly, prior to bidding.

GENERAL COSTS:

- This list is not exhaustive and is intended to provide general examples of cost items to be included in the Contractor's Adjustment Factor as defined in the Contract.
- The only compensation to be paid to a Contractor for the unit price tasks will be:

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Published Unit Price	X	Installation (or Demolition) Quantity	X	Appropriate Adjustment Factor
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- No additional payments of any kind whatsoever will be made. All costs not included in the unit prices must be part of the Adjustment Factors.

General Interpretations:

WORKING HEIGHT:

- Typical working height for work other than masonry is up to 14' above the finished floor or stationary working surface. The Contractor will not be paid for scaffolding, lifts, or similar equipment for work below 14'.
- Typical working height for masonry work is up to 4' above the finished floor or stationary working surface. The Contractor will not be paid for scaffolding, lifts, or similar equipment for masonry work below 4'.

FIELD ENGINEERING:

- Surveying tasks shall be used only when the Owner requests the Contractor to perform topographic surveys, property line surveys or to establish horizontal and vertical controls.

ASSEMBLIES:

- Assembly unit prices take precedence over individual component pricing.

TESTING:

- Contractor will be paid for testing existing material, as required by the technical specifications and as directed by the Owner (record tests) at the unit price for the appropriate task. The cost of process quality control testing routinely performed by the Contractor is included in the unit prices for the individual tasks.

MISCELLANEOUS:

- For the purpose of calculating the quantity of a task, quantities are calculated on a per project basis. The quantity so determined shall be used for the task and all appropriate modifiers, unless the task states otherwise.
- Whenever there are alternative tasks that may be selected to complete work the Contractor shall select the most practical and economical tasks available (e.g. rental of equipment by weeks or months rather than days or painting by roller or spray rather than brush).
- Restricted Working Space is defined as any area with less than 3' vertical or horizontal clearance and includes areas such as crawl spaces, ceiling plenums where the grid is not removed, narrow piping tunnels, and equipment rooms where the space to install the new work is congested as a result of equipment and piping placement that meet these dimensional restrictions. A Restricted Working Space modifier is available for certain mechanical piping and piping accessories tasks and for certain electrical conduit and conduit accessories tasks. Only those tasks with a modifier for Restricted Working Space are eligible for a price adjustment, and then only if the modifier applies to the contemplated tasks. A non pre-priced task will not be allowed because of Restricted Working Space for any CTC task.
- Confined Working Space is defined according to the OSHA definition 29 CFR 1926.21(b)(6)(i): "Any space having limited means of egress, which is subject to accumulation of toxic or flammable contaminants or has an oxygen deficient atmosphere, including, but not limited to, storage tanks, process vessels, bins, boilers, ventilation and exhaust duct, sewers, underground vaults, tunnels, pipelines and open top spaces more than 4 feet in depth such as pits and tubs." The Contractor shall conform to all OSHA and Owner requirements for working in Confined Working Spaces. Required ventilation and air monitoring equipment tasks shall be priced from the CTC.
- Whenever a material, article or piece of equipment is identified in the CTC or in the specifications by reference to manufacturers' or vendors' names,

trade names, catalogue numbers, or make, the identification is intended to establish a standard. Any material, article or equipment of another manufacturer or vendor which performs satisfactorily the duties imposed by the general design may be considered equally acceptable provided that, in the opinion of the Owner, the material, article or equipment so proposed is of equal quality, substance and function. The Contractor shall not provide, furnish or install any proposed material, article or equipment without the prior written approval of the Owner. The burden of proof and all costs related thereto concerning the "or equal" nature of the substitute item, whether approved or disapproved, shall be borne by the Contractor.

SPECIFICATIONS:

- Specifications for tasks shall be interpreted as follows: All labor, material, equipment, spare parts, services, and work required by a specification shall be considered part of the unit price, unless the task description or technical specifications state otherwise.

Useful Information:

UNIT OF MEASURE DEFINITIONS:

ACR – Acre, **BAG** – Bag, **BBL** – Barrel, **BCY** - Bank (In-place) Cubic Yards, **BF** - Board Foot, **BOX** - Box (each), **BTU** - British Thermal Unit, **C** - One Hundred, **CCF** - One Hundred Cubic Feet, **CCY** - Compacted Cubic Yards, **CF** - Cubic Foot, **CFM** - Cubic Feet Per Minute, **CI** – Cubic Inch, **CLF** - One Hundred Linear Feet, **CSF** - One Hundred Square Feet, **CSY** - Hundred Square Yards, **CWT** - Hundred Weight, **CY** - Cubic Yard, **CYM** - Cubic Yard Mile, **DAY** – Day, **DRM** - Drum (each), **EA** – Each, **FLR** - Floor (Per Floor), **FT** – Foot, **GAL** – Gallon, **GSF** - Ground Square Foot, **HR** – Hour, **HWT** - Hundred Carton Weight, **HYR** – Half Year, **IN** – Inch, **JOB** – Job, **LAN** – Lane, **LB** – Pound, **LCY** -

October 2016

Loose (Excavated) Cubic Yards, **LF** - Linear Foot, **LFD** - Linear Feet Per Day, **LIT** – Liter, **LOT** – Lot, **MBF** - One Thousand Board Feet, **MBH** - One Thousand British Thermal Units, **MCF** – One Thousand Cubic Feet, **MF3** - One Thousand Cubic Feet Per Minute, **MGL** – One Thousand Gallons, **MI** – Mile, **MLF** - One Thousand Linear Feet, **MO** – Month, **MSF** - One Thousand Square Feet, **MSY** - One Thousand Square Yards, **MT** – Metric Ton, **MTK** – Metric Ton Kilometer, **M2** – Square Meter, **M3K** – Cubic Meter Kilometer, **NTE** – Note, **OPN** – Opening, **OUT** - Outlet or Output (each), **OZ** – Ounce, **PKG** – Package, **PNT** – Point, **PR** – Pair, **QT** – Quart, **ROL** - Roll (each), **ROM** – Room, **ROW** – Row, **RSR** - Riser (Per Rise), **SEA** – Seat, **SET** – Set, **SF** - Square Foot, **SHT** – Sheet, **SI** - Square Inch, **STP** - Stop (each), **SQ** - Square or One Hundred Square Feet, **SY** - Square Yard, **SYI** – Inches per Square Yard, **TNM** - Tons per Mile, **TON** – Ton, **TRK** – Truck Load, **UI** - United Inch, **UNT** – Unit, **VLF** - Vertical Linear Foot, **WK** – Week, **YD** – Yard, **YR** – Year

MATERIAL WEIGHTS:

EARTHEN MATERIAL

- The following engineering values for establishing shrink/swell factors shall be used unless otherwise directed by the Owner.

Material	Material Weight (Lbs Per CY)		
	In-place (Bank)	Loose (Excavated Materials)	Compacted
Earth, Common (Average)	3170	2536	3520
Sand	2880	2590	3240
Earth, Rock Mix. (75% E/ 25% R)	3380	2370	3720
Earth, Rock Mix. (50% E/50% R)	3750	2710	4000
Earth, Rock Mix. (25% E/ 75% R)	4120	3140	3680
Gravel (Average)	3280	2730	3570
Limestone	4380	2690	3220
Riprap Rock (Average)	4500	2610	3150
Granite	4540	2640	3170

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Basalt	4950	3020	3640
Clay	3220	2150	3570
Gneiss	4550	2720	3180

1 Ton = 2000 Pounds = 907.185 Kilograms

1 Yard = 3 Feet = 0.9144 Meters

BULK FACTORS FOR DEMOLITION:

The following bulk factors shall be used to calculate the volume of demolished material to be transported from the project site.

- **Asphalt** = 1.25
- **Concrete** = 1.40

CONVERSIONS:

1 Acre = 43,560 Square Feet = 4046.8 Square Meters

1 Board Foot = 12" x 12" x 1" = 144 Cubic Inches

1 Centimeter = 0.3937 Inches = 0.0328 Feet

1 Cubic Foot = 0.03704 Cubic Yards = 0.02832 Cubic Meters

1 Cubic Meter = 1.3080 Cubic Yards = 35.3147 Cubic Feet

1 Cubic Yard = 27 Cubic Feet = 0.7646 Cubic Meters

1 Foot = 12 Inches = 0.3048 Meters

1 Inch = 2.54 Centimeters = 0.0254 Meters

1 Kilogram = 2.2046 Pounds

1 Kilometer = 0.6214 Miles = 3280 Feet

1 Meter = 100 Centimeters = 3.2808 Feet

1 Mile = 5280 Feet = 1.6093 Kilometers

1 Pound = 0.4536 Kilograms

1 Square Foot = 144 Square Inches = .0929 Square Meters

1 Square Meter = 1.1960 Square Yards = 10.7639 Square Feet

1 Square Yard = 9 Square Feet = 0.8361 Square Meters

Sheet Metal Thickness (inches)				
Gage No.	Steel Sheet	Galvanized Steel Sheet	Stainless Steel Sheet	Aluminum Sheet
10	.135	.138	.141	
11	.120	.123	.125	
12	.105	.108	.109	
13	.090	.093	.094	.072
14	.075	.079	.078	.064
15	.067	.071	.070	.057
16	.060	.064	.063	.051
17	.054	.058	.056	.045
18	.048	.052	.050	.040
19	.042	.046	.044	.036
20	.036	.040	.038	.032
21	.033	.037	.034	.028
22	.030	.034	.031	.025
23	.027	.031	.028	.023
24	.024	.028	.025	.020
25	.021	.025	.022	.018
26	.018	.022	.019	.017

STANDARD GEOMETRY:

Circle

- Circumference = $2 \pi \text{ radius} = \pi \text{ diameter}$
- Area = $\pi \text{ radius}^2 = \pi (\text{diameter}^2 / 4)$

Cylinder

- Volume = $(\pi \text{ radius}^2) \text{height}$
- Surface Area = $2 \pi \text{ radius}^2 + (2 \pi \text{ radius}) \text{height}$

Sphere

- Volume = $(4 \pi \text{ radius}^3) / 3$
- Surface Area = $4 \pi \text{ radius}^2$

$\pi = 3.14159$

United Inch

- The industry standard for measuring windows is the United Inch or UI. The UI is determined by adding the width and the height in inches.

TRADEMARKS

- ☑ Gordian JOC Solution, JOC Complete Solution, JOC Complete Solution Plus, PROGEN, eGordian, ezIQC, Construction Task Catalog, Catalog of Construction Tasks, DMAP, The Standard for Job Order Contracting and 6 Phase Development and Implementation Process are either registered trademarks or trademarks of The Gordian Group, Inc. The names of actual companies and products mentioned herein may be the trademarks of their respective owners

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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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01 General Requirements

01 20 Price And Payment Procedures ⁽⁰¹⁾

01 22 Unit Prices ^(01 20)

Note: Provide digital copies of photographs.

01 22 16 Unit Price Payment ^(01 22)

01 22 16 00-0001 Reimbursable Fees ^(01 22 16)

Note: Reimbursable fees include but are not limited to permits, special inspections, special insurance, additional warranties, tolls, etc, which are not included in a task or an Adjustment Factor as explained in the Contract or The Construction Task Catalog®.

01 22 16 00-0002	EA	Reimbursable Fees.....	1.00
------------------	----	------------------------	------

Note: Reimbursable Fees will be paid to the contractor for eligible costs. The base cost of the Reimbursable Fee is \$1.00. Insert the appropriate quantity to adjust the base cost to the actual Reimbursable Fee (e.g. quantity of 125 = \$125.00 Reimbursable Fee). If there are multiple Reimbursable Fees, list each one separately and add a comment in the "note" block to identify the Reimbursable Fee (e.g. sidewalk closure, road cut, various permits, extended warrantee, expedited shipping costs, etc.). A copy of each receipt shall be submitted with the Price Proposal.

01 22 20 Wage Rates ^(01 22)

01 22 20 00-0001 Minimum Charge ^(01 22 20)

Note: Use item exclusively for projects when the sum of line items is less than the minimum charge per occurrence. Item should not be used in conjunction with any other tasks utilizing this labor trade, unless approved by owner. Item quantity is 1, unless approved by owner.

01 22 20 00-0002	EA	Carpenter Minimum Charge.....	843.36
Note: This task should not be used in conjunction with any other tasks utilizing this labor trade, unless approved by owner. Task quantity is 1, unless approved by owner.			
01 22 20 00-0003	EA	Carpet, Linoleum Minimum Charge	822.02
Note: This task should not be used in conjunction with any other tasks utilizing this labor trade, unless approved by owner. Task quantity is 1, unless approved by owner.			
01 22 20 00-0004	EA	Cement Mason Minimum Charge	597.42
Note: This task should not be used in conjunction with any other tasks utilizing this labor trade, unless approved by owner. Task quantity is 1, unless approved by owner.			
01 22 20 00-0005	EA	Drywall Finisher Minimum Charge	771.70
Note: This task should not be used in conjunction with any other tasks utilizing this labor trade, unless approved by owner. Task quantity is 1, unless approved by owner.			
01 22 20 00-0006	EA	Drywall Installer Minimum Charge	847.44
Note: This task should not be used in conjunction with any other tasks utilizing this labor trade, unless approved by owner. Task quantity is 1, unless approved by owner.			
01 22 20 00-0007	EA	Electrician Minimum Charge	977.79
Note: This task should not be used in conjunction with any other tasks utilizing this labor trade, unless approved by owner. Task quantity is 1, unless approved by owner.			
01 22 20 00-0008	EA	Glazier Minimum Charge	749.71
Note: This task should not be used in conjunction with any other tasks utilizing this labor trade, unless approved by owner. Task quantity is 1, unless approved by owner.			
01 22 20 00-0009	EA	Insulator Minimum Charge	889.31
Note: This task should not be used in conjunction with any other tasks utilizing this labor trade, unless approved by owner. Task quantity is 1, unless approved by owner.			
01 22 20 00-0010	EA	Laborer Minimum Charge	599.75
Note: This task should not be used in conjunction with any other tasks utilizing this labor trade, unless approved by owner. Task quantity is 1, unless approved by owner.			
01 22 20 00-0011	EA	Landscape Maintenance Worker Minimum Charge	266.43
Note: This task should not be used in conjunction with any other tasks utilizing this labor trade, unless approved by owner. Task quantity is 1, unless approved by owner.			
01 22 20 00-0012	EA	Ornamental Metal Worker Minimum Charge	860.64
Note: This task should not be used in conjunction with any other tasks utilizing this labor trade, unless approved by owner. Task quantity is 1, unless approved by owner.			
01 22 20 00-0013	EA	Painter, Ordinary Minimum Charge	648.14
Note: This task should not be used in conjunction with any other tasks utilizing this labor trade, unless approved by owner. Task quantity is 1, unless approved by owner.			
01 22 20 00-0014	EA	Plasterer Minimum Charge	748.98
Note: This task should not be used in conjunction with any other tasks utilizing this labor trade, unless approved by owner. Task quantity is 1, unless approved by owner.			
01 22 20 00-0015	EA	Plumber Minimum Charge	1,086.28
Note: This task should not be used in conjunction with any other tasks utilizing this labor trade, unless approved by owner. Task quantity is 1, unless approved by owner.			
01 22 20 00-0016	EA	Roofer, Tile/Slate Minimum Charge	754.02
Note: This task should not be used in conjunction with any other tasks utilizing this labor trade, unless approved by owner. Task quantity is 1, unless approved by owner.			
01 22 20 00-0017	EA	Roofer, Composite Built-Up Minimum Charge	757.59
Note: This task should not be used in conjunction with any other tasks utilizing this labor trade, unless approved by owner. Task quantity is 1, unless approved by owner.			
01 22 20 00-0018	EA	Sheet Metal Worker Minimum Charge	1,015.86
Note: This task should not be used in conjunction with any other tasks utilizing this labor trade, unless approved by owner. Task quantity is 1, unless approved by owner.			
01 22 20 00-0019	EA	Sprinkler Installer Minimum Charge	1,024.04
Note: This task should not be used in conjunction with any other tasks utilizing this labor trade, unless approved by owner. Task quantity is 1, unless approved by owner.			

01	01	General Requirements
	01 20	Price And Payment Procedures
	01 22	Unit Prices



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 20 00-0020	EA	Tile Layer (Floor) Minimum Charge Note: This task should not be used in conjunction with any other tasks utilizing this labor trade, unless approved by owner. Task quantity is 1, unless approved by owner.	683.05	
01 22 20 00-0021		Local Labor/Wage Rates <small>(01 22 20)</small> Note: Welders receive the rate prescribed for the craft performing the operation to which the welding is incidental.		
01 22 20 00-0022	HR	Asbestos Removal Worker Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.	59.96	
		<i>For Foreman, Add</i>	3.00	
		<i>For Apprentice, Deduct</i>	-11.99	
01 22 20 00-0023	HR	Insulator Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.	108.04	
		<i>For Foreman, Add</i>	5.40	
		<i>For Apprentice, Deduct</i>	-21.61	
01 22 20 00-0024	HR	Boilermaker Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.	96.45	
		<i>For Foreman, Add</i>	4.82	
		<i>For Apprentice, Deduct</i>	-19.29	
01 22 20 00-0025	HR	Brick Layer Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.	80.41	
		<i>For Foreman, Add</i>	4.02	
		<i>For Apprentice, Deduct</i>	-16.08	
01 22 20 00-0026	HR	Carpenter Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.	89.80	
		<i>For Foreman, Add</i>	4.49	
		<i>For Apprentice, Deduct</i>	-17.96	
01 22 20 00-0027	HR	Carpet, Linoleum Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.	90.25	
		<i>For Foreman, Add</i>	4.51	
		<i>For Apprentice, Deduct</i>	-18.05	
01 22 20 00-0028	HR	Cement Mason Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.	68.43	
		<i>For Foreman, Add</i>	3.42	
		<i>For Apprentice, Deduct</i>	-13.69	
01 22 20 00-0029	HR	Drywall Finisher Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.	87.09	
		<i>For Foreman, Add</i>	4.35	
		<i>For Apprentice, Deduct</i>	-17.42	
01 22 20 00-0030	HR	Electrician Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.	103.47	
		<i>For Foreman, Add</i>	5.17	
		<i>For Apprentice, Deduct</i>	-20.69	
01 22 20 00-0031	HR	Equipment Operator, Heavy (Crane) Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.	84.82	
		<i>For Foreman, Add</i>	4.24	
		<i>For Apprentice, Deduct</i>	-16.96	
01 22 20 00-0032	HR	Equipment Operator, Medium (Bulldozer) Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.	80.04	
		<i>For Foreman, Add</i>	4.00	
		<i>For Apprentice, Deduct</i>	-16.01	
01 22 20 00-0033	HR	Equipment Operator, Light (Backhoe, Skid-Steer Loader) Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.	75.12	
		<i>For Foreman, Add</i>	3.76	
		<i>For Apprentice, Deduct</i>	-15.02	
01 22 20 00-0034	HR	Glazier Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.	87.46	
		<i>For Foreman, Add</i>	4.37	
		<i>For Apprentice, Deduct</i>	-17.49	
01 22 20 00-0035	HR	Laborer Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.	71.84	
		<i>For Foreman, Add</i>	4.36	
		<i>For Apprentice, Deduct</i>	-17.44	
01 22 20 00-0037	HR	Marble Setter Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.	83.05	
		<i>For Foreman, Add</i>	4.15	
		<i>For Apprentice, Deduct</i>	-16.61	
01 22 20 00-0038	HR	Millwright Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.	87.64	
		<i>For Foreman, Add</i>	4.38	
		<i>For Apprentice, Deduct</i>	-17.53	
01 22 20 00-0039	HR	Mold Removal Worker Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.	65.23	
		<i>For Foreman, Add</i>	3.26	
		<i>For Apprentice, Deduct</i>	-13.05	
01 22 20 00-0040	HR	Painter, Ordinary Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.	74.77	
		<i>For Foreman, Add</i>	3.74	
		<i>For Apprentice, Deduct</i>	-14.95	
01 22 20 00-0041	HR	Painter, Structural Steel Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.	91.25	
		<i>For Foreman, Add</i>	4.56	
		<i>For Apprentice, Deduct</i>	-18.25	



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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 20 00-0042 HR Paperhanger.....	74.77	
Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
For Foreman, Add	3.74	
For Apprentice, Deduct	-14.95	
01 22 20 00-0043 HR Pile Drivers.....	95.07	
Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
For Foreman, Add	4.75	
For Apprentice, Deduct	-19.01	
01 22 20 00-0044 HR Plasterer.....	81.12	
Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
For Foreman, Add	4.06	
For Apprentice, Deduct	-16.22	
01 22 20 00-0045 HR Plumber.....	110.78	
Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
For Foreman, Add	5.54	
For Apprentice, Deduct	-22.16	
01 22 20 00-0046 HR Powderman.....	67.00	
Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
For Foreman, Add	3.35	
For Apprentice, Deduct	-13.40	
01 22 20 00-0047 HR Rodman (Reinforcing)/Ornamental Steel Worker.....	84.10	
Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
For Foreman, Add	4.21	
For Apprentice, Deduct	-16.82	
01 22 20 00-0048 HR Roofer, Composite.....	75.95	
Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
For Foreman, Add	3.80	
For Apprentice, Deduct	-15.19	
01 22 20 00-0049 HR Roofer, Metal.....	123.45	
Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
01 22 20 00-0050 HR Roofer, Tile/Slate.....	75.50	
Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
For Foreman, Add	3.78	
For Apprentice, Deduct	-15.10	
01 22 20 00-0051 HR Sheet Metal Worker.....	114.48	
Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
For Foreman, Add	5.72	
For Apprentice, Deduct	-22.90	
01 22 20 00-0052 HR Sprinkler Installer.....	103.00	
Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
For Foreman, Add	5.15	
For Apprentice, Deduct	-20.60	
01 22 20 00-0053 HR Steam / Pipe Fitter.....	110.78	
Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
For Foreman, Add	5.54	
For Apprentice, Deduct	-22.16	
01 22 20 00-0054 HR Stone Mason.....	80.41	
Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
For Foreman, Add	4.02	
For Apprentice, Deduct	-16.08	
01 22 20 00-0055 HR Structural Steel Worker.....	88.83	
Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
For Foreman, Add	4.44	
For Apprentice, Deduct	-17.77	
01 22 20 00-0056 HR Tile Layer.....	72.88	
Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
For Foreman, Add	3.64	
For Apprentice, Deduct	-14.58	
01 22 20 00-0057 HR Terrazzo Worker.....	81.14	
Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
For Foreman, Add	4.06	
For Apprentice, Deduct	-16.23	
01 22 20 00-0058 HR Truck Driver, Light.....	64.17	
Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
For Foreman, Add	3.21	
For Apprentice, Deduct	-12.83	
01 22 20 00-0059 HR Truck Driver, Heavy.....	64.58	
Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
For Foreman, Add	3.23	
For Apprentice, Deduct	-12.92	
01 22 20 00-0060 HR Class I Diver.....	186.33	
Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
01 22 20 00-0061 HR Class III Diver Tender.....	110.99	
Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
01 22 20 00-0062 HR D1 Certified Welder.....	96.09	
Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
01 22 20 00-0063 Rates For Services (01 22 20)		
01 22 20 00-0064 HR Watchman/Guard, Unarmed.....	23.47	
01 22 20 00-0065 HR Watchman/Guard, Armed.....	26.52	
01 22 20 00-0066 HR OSHA Testing.....	71.25	
01 22 20 00-0067 HR Investigating Engineer Or Specialty Consultant.....	80.00	
Note: For special investigating requirements or services outside required architectural and engineering services.		

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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 20 00-0068 HR Investigating Senior Engineer Or Specialty Consultant.....	125.00	
Note: For special investigating requirements or services outside required architectural and engineering services.		
01 22 20 00-0069 HR Surveyor	75.00	
01 22 20 00-0070 HR On-Site Certified Materials Testing Technician	57.00	
01 22 20 00-0071 HR Certified Industrial Hygienist	74.30	
01 22 20 00-0072 MI Mileage For Professional Services (Engineering, Surveying, Etcetera).....	0.56	
Note: For use only when the Owner directs the contractor to use personnel whose base of operations is more than 100 miles from the site. Quantity shall be miles that exceed 100.		
01 22 20 00-0073 Rates For Traffic Control <small>(01 22 20)</small>		
01 22 20 00-0074 DAY Pilot Vehicle With Driver	735.87	
Note: Includes CB and radio, "Follow Me" sign, "Wait For Pilot Car" signs on barricades where required.		
01 22 20 00-0075 HR Flagperson For Traffic Control	62.46	
01 22 23 Equipment Usage <small>(01 22)</small>		
Note: Includes fuel costs unless otherwise stated. These tasks shall be used for owned, leased or rented equipment. See CSI section 01 71 13 00-0000 for equipment delivery, pickup, mobilization and demobilization.		
01 22 23 00-0001 Aerial Equipment <small>(01 22 23)</small>		
01 22 23 00-0002 Manlifts <small>(01 22 23 00-0001)</small>		
Note: Excludes operator, delivery, set-up, and removal.		
01 22 23 00-0003 Telescoping Boom Manlifts <small>(01 22 23 00-0002)</small>		
01 22 23 00-0004 Engine Powered, Telescoping Boom Manlifts <small>(01 22 23 00-0003)</small>		
Note: Diesel or dual fuel (gasoline or liquid propane gas). Two- or four-wheel drive. For use on unpaved or paved surfaces.		
01 22 23 00-0005 DAY 40' Engine Powered, Telescoping Boom Manlift.....	509.05	
01 22 23 00-0006 WK 40' Engine Powered, Telescoping Boom Manlift.....	1,280.84	
01 22 23 00-0007 MO 40' Engine Powered, Telescoping Boom Manlift.....	2,873.68	
01 22 23 00-0008 DAY 60' Engine Powered, Telescoping Boom Manlift.....	747.16	
01 22 23 00-0009 WK 60' Engine Powered, Telescoping Boom Manlift.....	1,781.68	
01 22 23 00-0010 MO 60' Engine Powered, Telescoping Boom Manlift.....	3,899.99	
01 22 23 00-0011 DAY 80' Engine Powered, Telescoping Boom Manlift.....	1,453.26	
01 22 23 00-0012 WK 80' Engine Powered, Telescoping Boom Manlift.....	3,522.30	
01 22 23 00-0013 MO 80' Engine Powered, Telescoping Boom Manlift.....	7,389.45	
01 22 23 00-0014 DAY 110' Engine Powered, Telescoping Boom Manlift.....	2,069.05	
01 22 23 00-0015 WK 110' Engine Powered, Telescoping Boom Manlift.....	4,982.13	
01 22 23 00-0016 MO 110' Engine Powered, Telescoping Boom Manlift.....	12,414.28	
01 22 23 00-0017 DAY 120' Engine Powered, Telescoping Boom Manlift.....	2,520.62	
01 22 23 00-0018 WK 120' Engine Powered, Telescoping Boom Manlift.....	6,428.82	
01 22 23 00-0019 MO 120' Engine Powered, Telescoping Boom Manlift.....	14,614.69	
01 22 23 00-0020 Articulating (Up/Over) Boom Manlifts <small>(01 22 23 00-0002)</small>		
01 22 23 00-0021 Engine Powered, Articulating (Up/Over) Boom Manlifts <small>(01 22 23 00-0020)</small>		
Note: Diesel or dual fuel (gasoline or liquid propane gas). Two- or four-wheel drive. For use on unpaved or paved surfaces.		
01 22 23 00-0022 DAY 34' Engine Powered, Articulating (Up/Over) Boom Manlift.....	340.42	
01 22 23 00-0023 WK 34' Engine Powered, Articulating (Up/Over) Boom Manlift.....	854.15	
01 22 23 00-0024 MO 34' Engine Powered, Articulating (Up/Over) Boom Manlift.....	2,054.91	
01 22 23 00-0025 DAY 45' Engine Powered, Articulating (Up/Over) Boom Manlift.....	433.26	
01 22 23 00-0026 WK 45' Engine Powered, Articulating (Up/Over) Boom Manlift.....	946.99	
01 22 23 00-0027 MO 45' Engine Powered, Articulating (Up/Over) Boom Manlift.....	2,350.77	
01 22 23 00-0028 DAY 60' Engine Powered, Articulating (Up/Over) Boom Manlift.....	557.06	
01 22 23 00-0029 WK 60' Engine Powered, Articulating (Up/Over) Boom Manlift.....	1,287.42	
01 22 23 00-0030 MO 60' Engine Powered, Articulating (Up/Over) Boom Manlift.....	2,878.12	
01 22 23 00-0031 DAY 80' Engine Powered, Articulating (Up/Over) Boom Manlift.....	971.75	
01 22 23 00-0032 WK 80' Engine Powered, Articulating (Up/Over) Boom Manlift.....	2,290.12	
01 22 23 00-0033 MO 80' Engine Powered, Articulating (Up/Over) Boom Manlift.....	5,569.31	
01 22 23 00-0034 DAY 125' Engine Powered, Articulating (Up/Over) Boom Manlift.....	1,887.80	
01 22 23 00-0035 WK 125' Engine Powered, Articulating (Up/Over) Boom Manlift.....	4,456.44	
01 22 23 00-0036 MO 125' Engine Powered, Articulating (Up/Over) Boom Manlift.....	10,893.52	
01 22 23 00-0037 Electric, Articulating (Up/Over) Boom Manlifts <small>(01 22 23 00-0020)</small>		
Note: For use on paved surfaces.		
01 22 23 00-0038 DAY 30' Electric, Articulating (Up/Over) Boom Manlift.....	340.42	
01 22 23 00-0039 WK 30' Electric, Articulating (Up/Over) Boom Manlift.....	854.15	
01 22 23 00-0040 MO 30' Electric, Articulating (Up/Over) Boom Manlift.....	2,054.91	
01 22 23 00-0041 DAY 35' Electric, Articulating (Up/Over) Boom Manlift.....	340.42	
01 22 23 00-0042 WK 35' Electric, Articulating (Up/Over) Boom Manlift.....	854.15	
01 22 23 00-0043 MO 35' Electric, Articulating (Up/Over) Boom Manlift.....	2,054.91	
01 22 23 00-0044 DAY 40' Electric, Articulating (Up/Over) Boom Manlift.....	420.89	
01 22 23 00-0045 WK 40' Electric, Articulating (Up/Over) Boom Manlift.....	909.86	
01 22 23 00-0046 MO 40' Electric, Articulating (Up/Over) Boom Manlift.....	2,259.17	
01 22 23 00-0047 DAY 45' Electric, Articulating (Up/Over) Boom Manlift.....	420.89	
01 22 23 00-0048 WK 45' Electric, Articulating (Up/Over) Boom Manlift.....	909.86	
01 22 23 00-0049 MO 45' Electric, Articulating (Up/Over) Boom Manlift.....	2,259.17	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0050 Platform Lifts <small>(01 22 23 00-0001)</small> Note: Excludes operator, delivery, set-up, and removal.		
01 22 23 00-0051 Electric, Scissor Platform Lifts <small>(01 22 23 00-0050)</small> Note: For use on paved surfaces.		
01 22 23 00-0052 DAY 17' Electric, Scissor Platform Lift.....	171.88	
01 22 23 00-0053 WK 17' Electric, Scissor Platform Lift.....	343.75	
01 22 23 00-0054 MO 17' Electric, Scissor Platform Lift.....	703.12	
01 22 23 00-0055 DAY 20' Electric, Scissor Platform Lift.....	187.50	
01 22 23 00-0056 WK 20' Electric, Scissor Platform Lift.....	375.00	
01 22 23 00-0057 MO 20' Electric, Scissor Platform Lift.....	750.00	
01 22 23 00-0058 DAY 25' Electric, Scissor Platform Lift.....	242.19	
01 22 23 00-0059 WK 25' Electric, Scissor Platform Lift.....	484.38	
01 22 23 00-0060 MO 25' Electric, Scissor Platform Lift.....	1,039.06	
01 22 23 00-0061 DAY 30' Electric, Scissor Platform Lift.....	312.50	
01 22 23 00-0062 WK 30' Electric, Scissor Platform Lift.....	617.19	
01 22 23 00-0063 MO 30' Electric, Scissor Platform Lift.....	1,367.19	
01 22 23 00-0064 DAY 33' Electric, Scissor Platform Lift.....	335.94	
01 22 23 00-0065 WK 33' Electric, Scissor Platform Lift.....	656.25	
01 22 23 00-0066 MO 33' Electric, Scissor Platform Lift.....	1,484.38	
01 22 23 00-0067 DAY 40' Electric, Scissor Platform Lift.....	437.50	
01 22 23 00-0068 WK 40' Electric, Scissor Platform Lift.....	1,085.94	
01 22 23 00-0069 MO 40' Electric, Scissor Platform Lift.....	3,023.44	
01 22 23 00-0070 Engine Powered, Scissor Platform Lifts <small>(01 22 23 00-0050)</small> Note: Diesel or dual fuel (gasoline or liquid propane gas). Two- or four-wheel drive. For use on unpaved or paved surfaces.		
01 22 23 00-0071 DAY 25' Engine Powered, Scissor Platform Lift.....	351.56	
01 22 23 00-0072 WK 25' Engine Powered, Scissor Platform Lift.....	687.50	
01 22 23 00-0073 MO 25' Engine Powered, Scissor Platform Lift.....	1,679.69	
01 22 23 00-0074 DAY 33' Engine Powered, Scissor Platform Lift.....	359.38	
01 22 23 00-0075 WK 33' Engine Powered, Scissor Platform Lift.....	820.31	
01 22 23 00-0076 MO 33' Engine Powered, Scissor Platform Lift.....	1,796.88	
01 22 23 00-0077 DAY 40' Engine Powered, Scissor Platform Lift.....	398.44	
01 22 23 00-0078 WK 40' Engine Powered, Scissor Platform Lift.....	914.06	
01 22 23 00-0079 MO 40' Engine Powered, Scissor Platform Lift.....	2,031.25	
01 22 23 00-0080 DAY 43' Engine Powered, Scissor Platform Lift.....	421.88	
01 22 23 00-0081 WK 43' Engine Powered, Scissor Platform Lift.....	984.38	
01 22 23 00-0082 MO 43' Engine Powered, Scissor Platform Lift.....	2,421.88	
01 22 23 00-0083 DAY 50' Engine Powered, Scissor Platform Lift.....	789.06	
01 22 23 00-0084 WK 50' Engine Powered, Scissor Platform Lift.....	1,734.38	
01 22 23 00-0085 MO 50' Engine Powered, Scissor Platform Lift.....	4,265.62	
01 22 23 00-0086 Personnel Lifts <small>(01 22 23 00-0001)</small> Note: Includes delivery to job site and pick-up when complete. Excludes operator. For use on paved surfaces.		
01 22 23 00-0087 DAY 24', Push-Type, Electric Single Man Personnel Lift.....	138.46	
01 22 23 00-0088 WK 24', Push-Type, Electric Single Man Personnel Lift.....	392.29	
01 22 23 00-0089 MO 24', Push-Type, Electric Single Man Personnel Lift.....	792.28	
01 22 23 00-0090 DAY 30', Push-Type, Electric Single Man Personnel Lift.....	192.30	
01 22 23 00-0091 WK 30', Push-Type, Electric Single Man Personnel Lift.....	407.68	
01 22 23 00-0092 MO 30', Push-Type, Electric Single Man Personnel Lift.....	799.97	
01 22 23 00-0093 DAY 36', Push-Type, Electric Single Man Personnel Lift.....	323.06	
01 22 23 00-0094 WK 36', Push-Type, Electric Single Man Personnel Lift.....	784.58	
01 22 23 00-0095 MO 36', Push-Type, Electric Single Man Personnel Lift.....	2,292.22	
01 22 23 00-0096 DAY 40', Push-Type, Electric Single Man Personnel Lift.....	346.14	
01 22 23 00-0097 WK 40', Push-Type, Electric Single Man Personnel Lift.....	861.50	
01 22 23 00-0098 MO 40', Push-Type, Electric Single Man Personnel Lift.....	2,592.20	
01 22 23 00-0099 DAY 15', Self-Propelled, Electric Single Man Personnel Lift.....	184.61	
01 22 23 00-0100 WK 15', Self-Propelled, Electric Single Man Personnel Lift.....	369.22	
01 22 23 00-0101 MO 15', Self-Propelled, Electric Single Man Personnel Lift.....	738.43	
01 22 23 00-0102 DAY 20', Self-Propelled, Electric Single Man Personnel Lift.....	184.61	
01 22 23 00-0103 WK 20', Self-Propelled, Electric Single Man Personnel Lift.....	369.22	
01 22 23 00-0104 MO 20', Self-Propelled, Electric Single Man Personnel Lift.....	767.66	
01 22 23 00-0105 Bucket Trucks <small>(01 22 23 00-0001)</small> Note: Includes full-time operator, delivery, and removal.		
01 22 23 00-0106 DAY 48' Bucket Truck With Full-Time Operator.....	985.37	
<i>For Equipment Without Operator, Deduct</i>	-516.65	
01 22 23 00-0107 WK 48' Bucket Truck With Full-Time Operator.....	4,257.24	
<i>For Equipment Without Operator, Deduct</i>	-2,583.24	
01 22 23 00-0108 MO 48' Bucket Truck With Full-Time Operator.....	15,933.47	
<i>For Equipment Without Operator, Deduct</i>	-11,134.67	
01 22 23 00-0109 Air Equipment <small>(01 22 23)</small>		

01	01	General Requirements
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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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01 22 23 00-0110	Air Compressors <small>(01 22 23 00-0109)</small>	
	Note: Includes delivery, set-up, and removal. Excludes operator.	
01 22 23 00-0111	DAY 100 CFM Diesel Powered Portable Air Compressor.....	167.01
01 22 23 00-0112	WK 100 CFM Diesel Powered Portable Air Compressor.....	501.03
01 22 23 00-0113	MO 100 CFM Diesel Powered Portable Air Compressor.....	1,391.75
01 22 23 00-0114	DAY 130 CFM Diesel Powered Portable Air Compressor.....	200.41
01 22 23 00-0115	WK 130 CFM Diesel Powered Portable Air Compressor.....	590.10
01 22 23 00-0116	MO 130 CFM Diesel Powered Portable Air Compressor.....	1,670.10
01 22 23 00-0117	DAY 185 CFM Diesel Powered Portable Air Compressor.....	267.22
01 22 23 00-0118	WK 185 CFM Diesel Powered Portable Air Compressor.....	601.24
01 22 23 00-0119	MO 185 CFM Diesel Powered Portable Air Compressor.....	1,324.95
01 22 23 00-0120	DAY 375 CFM Diesel Powered Portable Air Compressor.....	378.56
01 22 23 00-0121	WK 375 CFM Diesel Powered Portable Air Compressor.....	957.52
01 22 23 00-0122	MO 375 CFM Diesel Powered Portable Air Compressor.....	2,282.47
01 22 23 00-0123	DAY 600 CFM Diesel Powered Portable Air Compressor.....	841.73
01 22 23 00-0124	WK 600 CFM Diesel Powered Portable Air Compressor.....	2,026.39
01 22 23 00-0125	MO 600 CFM Diesel Powered Portable Air Compressor.....	5,050.38
01 22 23 00-0126	DAY 750 CFM Diesel Powered Portable Air Compressor.....	1,013.19
01 22 23 00-0127	WK 750 CFM Diesel Powered Portable Air Compressor.....	2,494.02
01 22 23 00-0128	MO 750 CFM Diesel Powered Portable Air Compressor.....	6,123.70
01 22 23 00-0129	DAY 825 CFM Diesel Powered Portable Air Compressor.....	1,013.19
01 22 23 00-0130	WK 825 CFM Diesel Powered Portable Air Compressor.....	2,494.02
01 22 23 00-0131	MO 825 CFM Diesel Powered Portable Air Compressor.....	6,123.70
01 22 23 00-0132	DAY 1,300 CFM Diesel Powered Portable Air Compressor.....	1,180.20
01 22 23 00-0133	WK 1,300 CFM Diesel Powered Portable Air Compressor.....	2,645.44
01 22 23 00-0134	MO 1,300 CFM Diesel Powered Portable Air Compressor.....	7,054.50
01 22 23 00-0135	DAY 1,600 CFM Diesel Powered Portable Air Compressor.....	1,469.69
01 22 23 00-0136	WK 1,600 CFM Diesel Powered Portable Air Compressor.....	3,306.80
01 22 23 00-0137	MO 1,600 CFM Diesel Powered Portable Air Compressor.....	8,818.13

01 22 23 00-0138	Negative Air Machines <small>(01 22 23 00-0109)</small>	
	Note: Includes delivery to job site and pick-up when complete. Excludes operator.	
01 22 23 00-0139	DAY Up To 2,000 CFM Portable Negative Air Machine With Pre-Filter And HEPA Filter.....	56.00
01 22 23 00-0140	WK Up To 2,000 CFM Portable Negative Air Machine With Pre-Filter And HEPA Filter.....	230.00
01 22 23 00-0141	MO Up To 2,000 CFM Portable Negative Air Machine With Pre-Filter And HEPA Filter.....	695.00
01 22 23 00-0142	EA Replacement HEPA Filter, 99.99% Efficient @ 0.3 Micron For Negative Air Machine.....	200.94
	Note: Required if over 800 hours operation.	
01 22 23 00-0143	LF Discharge Flexible Duct For Negative Air Machine.....	1.28

01 22 23 00-0144	Portable Air Scrubbers <small>(01 22 23 00-0109)</small>	
	Note: Includes delivery to job site and pick-up when complete. Excludes operator.	
01 22 23 00-0145	DAY Up To 2,000 CFM Portable Air Scrubber.....	83.00
01 22 23 00-0146	WK 200 to 1,000 CFM Portable Air Scrubber.....	345.00
01 22 23 00-0147	MO 200 to 1,000 CFM Portable Air Scrubber.....	955.00
01 22 23 00-0148	DAY >1,000 to 2,000 CFM Portable Air Scrubber.....	105.00
01 22 23 00-0149	WK >1,000 to 2,000 CFM Portable Air Scrubber.....	435.00
01 22 23 00-0150	MO >1,000 to 2,000 CFM Portable Air Scrubber.....	1,275.00

01 22 23 00-0151 **Compaction And Paving Equipment** (01 22 23)

01 22 23 00-0152 **Pavers And Rollers** (01 22 23 00-0151)
Note: Includes full-time operator. Excludes delivery, set-up, and removal.

01 22 23 00-0153	Pavers <small>(01 22 23 00-0152)</small>	
01 22 23 00-0154	DAY 10' Wide Paving Machine With Full-Time Operator.....	2,621.91
	<i>For Equipment Without Operator, Deduct</i>	<i>-640.34</i>
01 22 23 00-0155	WK 10' Wide Paving Machine With Full-Time Operator.....	9,146.43
	<i>For Equipment Without Operator, Deduct</i>	<i>-3,201.71</i>
01 22 23 00-0156	MO 10' Wide Paving Machine With Full-Time Operator.....	32,091.94
	<i>For Equipment Without Operator, Deduct</i>	<i>-13,800.48</i>

01 22 23 00-0157	Ride-On Self-Propelled, Rubber Tire Rollers <small>(01 22 23 00-0152)</small>	
01 22 23 00-0158	DAY 10 To 12 Ton, Ride-On Self Propelled, 9 Wheel Rubber-Tire Roller With Full-Time Operator.....	1,098.11
	<i>For Equipment Without Operator, Deduct</i>	<i>-640.34</i>
01 22 23 00-0159	WK 10 To 12 Ton, Ride-On Self Propelled, 9 Wheel Rubber-Tire Roller With Full-Time Operator.....	4,586.25
	<i>For Equipment Without Operator, Deduct</i>	<i>-3,201.71</i>
01 22 23 00-0160	MO 10 To 12 Ton, Ride-On Self Propelled, 9 Wheel Rubber-Tire Roller With Full-Time Operator.....	17,558.99
	<i>For Equipment Without Operator, Deduct</i>	<i>-13,800.48</i>
01 22 23 00-0161	DAY 15 Ton, Ride-On Self Propelled, 9 Wheel Rubber-Tire Roller With Full-Time Operator.....	1,274.79
	<i>For Equipment Without Operator, Deduct</i>	<i>-640.34</i>
01 22 23 00-0162	WK 15 Ton, Ride-On Self Propelled, 9 Wheel Rubber-Tire Roller With Full-Time Operator.....	5,900.13
	<i>For Equipment Without Operator, Deduct</i>	<i>-3,201.71</i>
01 22 23 00-0163	MO 15 Ton, Ride-On Self Propelled, 9 Wheel Rubber-Tire Roller With Full-Time Operator.....	19,542.64
	<i>For Equipment Without Operator, Deduct</i>	<i>-13,800.48</i>
01 22 23 00-0164	DAY 30 Ton, Ride-On Self Propelled, 11 Wheel Rubber-Tire Roller With Full-Time Operator.....	1,282.82
	<i>For Equipment Without Operator, Deduct</i>	<i>-640.34</i>
01 22 23 00-0165	WK 30 Ton, Ride-On Self Propelled, 11 Wheel Rubber-Tire Roller With Full-Time Operator.....	5,378.11
	<i>For Equipment Without Operator, Deduct</i>	<i>-3,201.71</i>



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01 22 23 00-0166 MO 30 Ton, Ride-On Self Propelled, 11 Wheel Rubber-Tire Roller With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	19,928.13 -13,800.48	
01 22 23 00-0167 Ride-On Self-Propelled, Padfoot Rollers (01 22 23 00-0152)		
01 22 23 00-0168 DAY 5 Ton, Single Padfoot Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	1,170.39 -640.34	
01 22 23 00-0169 WK 5 Ton, Single Padfoot Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	4,671.38 -3,201.71	
01 22 23 00-0170 MO 5 Ton, Single Padfoot Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	18,048.88 -13,800.48	
01 22 23 00-0171 DAY 8 Ton, Single Padfoot Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	1,507.69 -640.34	
01 22 23 00-0172 WK 8 Ton, Single Padfoot Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	5,354.02 -3,201.71	
01 22 23 00-0173 MO 8 Ton, Single Padfoot Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	20,201.19 -13,800.48	
01 22 23 00-0174 DAY 10 To 12 Ton, Single Padfoot Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	1,588.00 -640.34	
01 22 23 00-0175 WK 10 To 12 Ton, Single Padfoot Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	5,859.97 -3,201.71	
01 22 23 00-0176 MO 10 To 12 Ton, Single Padfoot Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	21,614.64 -13,800.48	
01 22 23 00-0177 Towed, Padfoot Rollers (01 22 23 00-0152)		
01 22 23 00-0178 DAY 48" Wide, 40" Diameter, Towed Padfoot Roller	152.59	
01 22 23 00-0179 WK 48" Wide, 40" Diameter, Towed Padfoot Roller	441.70	
01 22 23 00-0180 MO 48" Wide, 40" Diameter, Towed Padfoot Roller	1,301.02	
01 22 23 00-0181 DAY 60" Wide, 60" Diameter, Towed Padfoot Roller	192.74	
01 22 23 00-0182 WK 60" Wide, 60" Diameter, Towed Padfoot Roller	538.08	
01 22 23 00-0183 MO 60" Wide, 60" Diameter, Towed Padfoot Roller	2,288.84	
01 22 23 00-0184 Static Rollers (01 22 23 00-0152)		
01 22 23 00-0185 DAY 5 Ton, 2 Drum Articulated Roller With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	1,210.54 -640.34	
01 22 23 00-0186 WK 5 Ton, 2 Drum Articulated Roller With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	5,016.72 -3,201.71	
01 22 23 00-0187 MO 5 Ton, 2 Drum Articulated Roller With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	19,181.25 -13,800.48	
01 22 23 00-0188 DAY 8 To 10 Ton, 2 Drum Articulated Roller With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	1,387.22 -640.34	
01 22 23 00-0189 WK 8 To 10 Ton, 2 Drum Articulated Roller With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	5,498.58 -3,201.71	
01 22 23 00-0190 MO 8 To 10 Ton, 2 Drum Articulated Roller With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	20,514.40 -13,800.48	
01 22 23 00-0191 Ride-On Self-Propelled, Smooth Drum Vibratory Rollers (01 22 23 00-0152)		
01 22 23 00-0192 DAY 5 Ton, Single Smooth Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	1,154.32 -640.34	
01 22 23 00-0193 WK 5 Ton, Single Smooth Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	4,719.57 -3,201.71	
01 22 23 00-0194 MO 5 Ton, Single Smooth Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	17,815.98 -13,800.48	
01 22 23 00-0195 DAY 8 Ton, Single Smooth Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	1,258.73 -640.34	
01 22 23 00-0196 WK 8 Ton, Single Smooth Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	5,024.75 -3,201.71	
01 22 23 00-0197 MO 8 Ton, Single Smooth Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	18,611.05 -13,800.48	
01 22 23 00-0198 DAY 11 To 12 Ton, Single Smooth Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	1,467.53 -640.34	
01 22 23 00-0199 WK 11 To 12 Ton, Single Smooth Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	5,635.10 -3,201.71	
01 22 23 00-0200 MO 11 To 12 Ton, Single Smooth Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	20,225.28 -13,800.48	
01 22 23 00-0201 Steel Plates (01 22 23 00-0151) Note: 3 day minimum.		
01 22 23 00-0202 DAY 1" x 4' x 8' Steel Plate	18.75	
01 22 23 00-0203 WK 1" x 4' x 8' Steel Plate	44.27	
01 22 23 00-0204 MO 1" x 4' x 8' Steel Plate	58.26	
01 22 23 00-0205 DAY 1" x 4' x 10' Steel Plate	25.00	
01 22 23 00-0206 WK 1" x 4' x 10' Steel Plate	56.25	
01 22 23 00-0207 MO 1" x 4' x 10' Steel Plate	68.75	
01 22 23 00-0208 DAY 1" x 5' x 10' Steel Plate	26.04	
01 22 23 00-0209 WK 1" x 5' x 10' Steel Plate	58.85	
01 22 23 00-0210 MO 1" x 5' x 10' Steel Plate	156.24	
01 22 23 00-0211 DAY 1" x 6' x 8' Steel Plate	16.67	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	01 22 23 00-0212	WK	1" x 6' x 8' Steel Plate	37.50	
	01 22 23 00-0213	MO	1" x 6' x 8' Steel Plate	99.99	
	01 22 23 00-0214	DAY	1" x 6' x 10' Steel Plate	31.25	
	01 22 23 00-0215	WK	1" x 6' x 10' Steel Plate	41.14	
	01 22 23 00-0216	MO	1" x 6' x 10' Steel Plate	109.89	
	01 22 23 00-0217	DAY	1" x 6' x 12' Steel Plate	43.75	
	01 22 23 00-0218	WK	1" x 6' x 12' Steel Plate	55.99	
	01 22 23 00-0219	MO	1" x 6' x 12' Steel Plate	151.55	
	01 22 23 00-0220	DAY	1" x 8' x 10' Steel Plate	27.60	
	01 22 23 00-0221	WK	1" x 8' x 10' Steel Plate	61.98	
	01 22 23 00-0222	MO	1" x 8' x 10' Steel Plate	165.09	
	01 22 23 00-0223	DAY	1" x 8' x 12' Steel Plate	50.00	
	01 22 23 00-0224	WK	1" x 8' x 12' Steel Plate	61.98	
	01 22 23 00-0225	MO	1" x 8' x 12' Steel Plate	299.98	
	01 22 23 00-0226	DAY	1" x 8' x 16' Steel Plate	66.66	
	01 22 23 00-0227	WK	1" x 8' x 16' Steel Plate	149.99	
	01 22 23 00-0228	MO	1" x 8' x 16' Steel Plate	399.97	
	01 22 23 00-0229	LF	Cold Mix For Temporary Ramp Base, 6" At Edge Of Trench Plate.....	1.72	0.88
	01 22 23 00-0230	EA	Remove And Reset Trench Plate.....	23.28	
01 22 23 00-0231	Street Sweepers (01 22 23 00-0151)				
	Note: Includes full-time operator. Excludes delivery, set-up, and removal.				
	01 22 23 00-0232	DAY	8' Road Broom, Self Propelled Street Sweeper With Full-Time Operator	864.32	
			<i>For Equipment Without Operator, Deduct</i>	-600.96	
	01 22 23 00-0233	WK	8' Road Broom, Self Propelled Street Sweeper With Full-Time Operator	3,718.81	
			<i>For Equipment Without Operator, Deduct</i>	-3,004.81	
	01 22 23 00-0234	MO	8' Road Broom, Self Propelled Street Sweeper With Full-Time Operator	15,216.70	
			<i>For Equipment Without Operator, Deduct</i>	-12,951.78	
	01 22 23 00-0235	DAY	Self-Propelled Street Sweeper With Hopper And Full-Time Operator.....	1,052.27	
			Note: Truck with main and gutter brooms, elevator, debris hopper and water tank.		
			<i>For Equipment Without Operator, Deduct</i>	-600.96	
	01 22 23 00-0236	WK	Self-Propelled Street Sweeper With Hopper And Full-Time Operator.....	5,065.20	
			Note: Truck with main and gutter brooms, elevator, debris hopper and water tank.		
			<i>For Equipment Without Operator, Deduct</i>	-3,004.81	
	01 22 23 00-0237	MO	Self-Propelled Street Sweeper With Hopper And Full-Time Operator.....	20,776.77	
			Note: Truck with main and gutter brooms, elevator, debris hopper and water tank.		
			<i>For Equipment Without Operator, Deduct</i>	-12,951.78	
01 22 23 00-0238	Earthmoving Equipment (01 22 23)				
01 22 23 00-0239	Skid-Steer Loaders (Bobcat) (01 22 23 00-0238)				
	Note: Includes full-time operator and combination bucket and dozer blade attachments. Add extra attachments where necessary. Excludes delivery, set-up, and removal.				
	01 22 23 00-0240	DAY	700 LB Capacity, 36" Wide, Skid-Steer Loader (Bobcat) With Full-Time Operator.....	881.88	
			<i>For Equipment Without Operator, Deduct</i>	-600.96	
	01 22 23 00-0241	WK	700 LB Capacity, 36" Wide, Skid-Steer Loader (Bobcat) With Full-Time Operator.....	3,741.79	
			<i>For Equipment Without Operator, Deduct</i>	-3,004.81	
	01 22 23 00-0242	MO	700 LB Capacity, 36" Wide, Skid-Steer Loader (Bobcat) With Full-Time Operator.....	14,726.63	
			<i>For Equipment Without Operator, Deduct</i>	-12,951.78	
	01 22 23 00-0243	DAY	1,500 LB Capacity, 60" Wide, Skid-Steer Loader (Bobcat) With Full-Time Operator.....	955.93	
			<i>For Equipment Without Operator, Deduct</i>	-600.96	
	01 22 23 00-0244	WK	1,500 LB Capacity, 60" Wide, Skid-Steer Loader (Bobcat) With Full-Time Operator.....	3,875.78	
			<i>For Equipment Without Operator, Deduct</i>	-3,004.81	
	01 22 23 00-0245	MO	1,500 LB Capacity, 60" Wide, Skid-Steer Loader (Bobcat) With Full-Time Operator.....	15,020.48	
			<i>For Equipment Without Operator, Deduct</i>	-12,951.78	
	01 22 23 00-0246	DAY	2,400 LB Capacity, 72" Wide, Skid-Steer Loader (Bobcat) With Full-Time Operator.....	977.09	
			<i>For Equipment Without Operator, Deduct</i>	-600.96	
	01 22 23 00-0247	WK	2,400 LB Capacity, 72" Wide, Skid-Steer Loader (Bobcat) With Full-Time Operator.....	4,068.55	
			<i>For Equipment Without Operator, Deduct</i>	-3,004.81	
	01 22 23 00-0248	MO	2,400 LB Capacity, 72" Wide, Skid-Steer Loader (Bobcat) With Full-Time Operator.....	15,531.78	
			<i>For Equipment Without Operator, Deduct</i>	-12,951.78	
	01 22 23 00-0249	DAY	2,500 LB Capacity, 78" Wide, Tracked Skid-Steer Loader (Bobcat) With Full-Time Operator.....	1,059.37	
			<i>For Equipment Without Operator, Deduct</i>	-600.96	
	01 22 23 00-0250	WK	2,500 LB Capacity, 78" Wide, Tracked Skid-Steer Loader (Bobcat) With Full-Time Operator.....	4,338.89	
			<i>For Equipment Without Operator, Deduct</i>	-3,004.81	
	01 22 23 00-0251	MO	2,500 LB Capacity, 78" Wide, Tracked Skid-Steer Loader (Bobcat) With Full-Time Operator.....	16,425.09	
			<i>For Equipment Without Operator, Deduct</i>	-12,951.78	
	01 22 23 00-0252	DAY	3,000 LB Capacity, 78" Wide, Tracked Skid-Steer Loader (Bobcat) With Full-Time Operator.....	1,200.41	
			<i>For Equipment Without Operator, Deduct</i>	-600.96	
	01 22 23 00-0253	WK	3,000 LB Capacity, 78" Wide, Tracked Skid-Steer Loader (Bobcat) With Full-Time Operator.....	4,873.70	
			<i>For Equipment Without Operator, Deduct</i>	-3,004.81	
	01 22 23 00-0254	MO	3,000 LB Capacity, 78" Wide, Tracked Skid-Steer Loader (Bobcat) With Full-Time Operator.....	17,741.54	
			<i>For Equipment Without Operator, Deduct</i>	-12,951.78	
	01 22 23 00-0255	DAY	Hydraulic Hammer Attachment For Skid-Steer Loaders	235.08	
	01 22 23 00-0256	WK	Hydraulic Hammer Attachment For Skid-Steer Loaders	781.64	
	01 22 23 00-0257	MO	Hydraulic Hammer Attachment For Skid-Steer Loaders	2,080.46	
	01 22 23 00-0258	DAY	Forklift Attachment For Skid-Steer Loaders	50.54	
	01 22 23 00-0259	WK	Forklift Attachment For Skid-Steer Loaders	135.17	
	01 22 23 00-0260	MO	Forklift Attachment For Skid-Steer Loaders	382.00	
	01 22 23 00-0261	DAY	Backhoe Attachment For Skid-Steer Loaders.....	111.66	
	01 22 23 00-0262	WK	Backhoe Attachment For Skid-Steer Loaders.....	267.99	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0263 MO Backhoe Attachment For Skid-Steer Loaders.....	666.45	
01 22 23 00-0264 DAY Broom Attachment For Skid-Steer Loaders.....	110.49	
01 22 23 00-0265 WK Broom Attachment For Skid-Steer Loaders.....	299.73	
01 22 23 00-0266 MO Broom Attachment For Skid-Steer Loaders.....	793.40	
01 22 23 00-0267 DAY 9", 12", Or 16" Auger Attachment For Skid-Steer Loaders.....	74.05	
01 22 23 00-0268 WK 9", 12", Or 16" Auger Attachment For Skid-Steer Loaders.....	235.08	
01 22 23 00-0269 MO 9", 12", Or 16" Auger Attachment For Skid-Steer Loaders.....	558.32	
01 22 23 00-0270 Bulldozers <small>(01 22 23 00-0238)</small>		
Note: Includes full-time operator. Excludes delivery, set-up, and removal.		
01 22 23 00-0271 DAY 70 HP, D3 Bulldozer With Full-Time Operator.....	1,033.12	
For Equipment Without Operator, Deduct	-640.34	
01 22 23 00-0272 WK 70 HP, D3 Bulldozer With Full-Time Operator.....	4,750.61	
For Equipment Without Operator, Deduct	-3,201.71	
01 22 23 00-0273 MO 70 HP, D3 Bulldozer With Full-Time Operator.....	18,395.30	
For Equipment Without Operator, Deduct	-13,800.48	
01 22 23 00-0274 DAY 90 To 105 HP, D4 Or D5 Bulldozer With Full-Time Operator.....	1,218.40	
For Equipment Without Operator, Deduct	-640.34	
01 22 23 00-0275 WK 90 To 105 HP, D4 Or D5 Bulldozer With Full-Time Operator.....	5,499.12	
For Equipment Without Operator, Deduct	-3,201.71	
01 22 23 00-0276 MO 90 To 105 HP, D4 Or D5 Bulldozer With Full-Time Operator.....	20,692.71	
For Equipment Without Operator, Deduct	-13,800.48	
01 22 23 00-0277 DAY 140 HP, D6 Bulldozer With Full-Time Operator.....	1,744.58	
For Equipment Without Operator, Deduct	-640.34	
01 22 23 00-0278 WK 140 HP, D6 Bulldozer With Full-Time Operator.....	7,603.84	
For Equipment Without Operator, Deduct	-3,201.71	
01 22 23 00-0279 MO 140 HP, D6 Bulldozer With Full-Time Operator.....	26,992.06	
For Equipment Without Operator, Deduct	-13,800.48	
01 22 23 00-0280 DAY 200 HP, D7 Bulldozer With Full-Time Operator.....	2,211.47	
For Equipment Without Operator, Deduct	-640.34	
01 22 23 00-0281 WK 200 HP, D7 Bulldozer With Full-Time Operator.....	9,478.83	
For Equipment Without Operator, Deduct	-3,201.71	
01 22 23 00-0282 MO 200 HP, D7 Bulldozer With Full-Time Operator.....	32,624.42	
For Equipment Without Operator, Deduct	-13,800.48	
01 22 23 00-0283 DAY 335 HP, D8 Bulldozer With Full-Time Operator.....	2,767.30	
For Equipment Without Operator, Deduct	-640.34	
01 22 23 00-0284 WK 335 HP, D8 Bulldozer With Full-Time Operator.....	11,702.13	
For Equipment Without Operator, Deduct	-3,201.71	
01 22 23 00-0285 MO 335 HP, D8 Bulldozer With Full-Time Operator.....	39,294.32	
For Equipment Without Operator, Deduct	-13,800.48	
01 22 23 00-0286 DAY 460 HP, D9 Bulldozer With Full-Time Operator.....	3,078.56	
For Equipment Without Operator, Deduct	-640.34	
01 22 23 00-0287 WK 460 HP, D9 Bulldozer With Full-Time Operator.....	12,939.76	
For Equipment Without Operator, Deduct	-3,201.71	
01 22 23 00-0288 MO 460 HP, D9 Bulldozer With Full-Time Operator.....	42,999.82	
For Equipment Without Operator, Deduct	-13,800.48	
01 22 23 00-0289 Motor Scraper <small>(01 22 23 00-0238)</small>		
Note: Includes full-time operator. Excludes delivery, set-up, and removal.		
01 22 23 00-0290 DAY 11 CY Motor Scraper-Hauler With Full-Time Operator.....	1,966.90	
For Equipment Without Operator, Deduct	-640.34	
01 22 23 00-0291 WK 11 CY Motor Scraper-Hauler With Full-Time Operator.....	8,507.93	
For Equipment Without Operator, Deduct	-3,201.71	
01 22 23 00-0292 MO 11 CY Motor Scraper-Hauler With Full-Time Operator.....	29,700.98	
For Equipment Without Operator, Deduct	-13,800.48	
01 22 23 00-0293 DAY 18 CY Motor Scraper-Hauler With Full-Time Operator.....	2,502.97	
For Equipment Without Operator, Deduct	-640.34	
01 22 23 00-0294 WK 18 CY Motor Scraper-Hauler With Full-Time Operator.....	10,652.23	
For Equipment Without Operator, Deduct	-3,201.71	
01 22 23 00-0295 MO 18 CY Motor Scraper-Hauler With Full-Time Operator.....	36,152.04	
For Equipment Without Operator, Deduct	-13,800.48	
01 22 23 00-0296 DAY 24 CY Motor Scraper-Hauler With Full-Time Operator.....	3,020.87	
For Equipment Without Operator, Deduct	-640.34	
01 22 23 00-0297 WK 24 CY Motor Scraper-Hauler With Full-Time Operator.....	12,714.75	
For Equipment Without Operator, Deduct	-3,201.71	
01 22 23 00-0298 MO 24 CY Motor Scraper-Hauler With Full-Time Operator.....	42,330.52	
For Equipment Without Operator, Deduct	-13,800.48	
01 22 23 00-0299 Hydraulic Excavators <small>(01 22 23 00-0238)</small>		
Note: Includes full-time operator. Excludes delivery, set-up, and removal.		
01 22 23 00-0300 DAY 3/8 CY Hydraulic Excavator With Full-Time Operator.....	1,052.09	
For Equipment Without Operator, Deduct	-640.34	
01 22 23 00-0301 WK 3/8 CY Hydraulic Excavator With Full-Time Operator.....	4,658.09	
For Equipment Without Operator, Deduct	-3,201.71	
01 22 23 00-0302 MO 3/8 CY Hydraulic Excavator With Full-Time Operator.....	18,680.48	
For Equipment Without Operator, Deduct	-13,800.48	
01 22 23 00-0303 DAY 1/2 CY Hydraulic Excavator With Full-Time Operator.....	1,167.99	
For Equipment Without Operator, Deduct	-640.34	
01 22 23 00-0304 WK 1/2 CY Hydraulic Excavator With Full-Time Operator.....	5,168.96	
For Equipment Without Operator, Deduct	-3,201.71	

01	General Requirements
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MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0305	MO	1/2 CY Hydraulic Excavator With Full-Time Operator	20,723.98	
		<i>For Equipment Without Operator, Deduct</i>		-13,800.48	
01 22 23 00-0306	DAY	5/8 CY Hydraulic Excavator With Full-Time Operator	.....	1,204.59	
		<i>For Equipment Without Operator, Deduct</i>		-640.34	
01 22 23 00-0307	WK	5/8 CY Hydraulic Excavator With Full-Time Operator	.....	5,359.59	
		<i>For Equipment Without Operator, Deduct</i>		-3,201.71	
01 22 23 00-0308	MO	5/8 CY Hydraulic Excavator With Full-Time Operator	.....	21,059.48	
		<i>For Equipment Without Operator, Deduct</i>		-13,800.48	
01 22 23 00-0309	DAY	3/4 CY Hydraulic Excavator With Full-Time Operator	.....	1,242.72	
		<i>For Equipment Without Operator, Deduct</i>		-640.34	
01 22 23 00-0310	WK	3/4 CY Hydraulic Excavator With Full-Time Operator	.....	5,534.96	
		<i>For Equipment Without Operator, Deduct</i>		-3,201.71	
01 22 23 00-0311	MO	3/4 CY Hydraulic Excavator With Full-Time Operator	.....	21,394.98	
		<i>For Equipment Without Operator, Deduct</i>		-13,800.48	
01 22 23 00-0312	DAY	7/8 To 1 CY Hydraulic Excavator With Full-Time Operator	.....	1,273.22	
		<i>For Equipment Without Operator, Deduct</i>		-640.34	
01 22 23 00-0313	WK	7/8 To 1 CY Hydraulic Excavator With Full-Time Operator	.....	5,717.96	
		<i>For Equipment Without Operator, Deduct</i>		-3,201.71	
01 22 23 00-0314	MO	7/8 To 1 CY Hydraulic Excavator With Full-Time Operator	.....	21,730.48	
		<i>For Equipment Without Operator, Deduct</i>		-13,800.48	
01 22 23 00-0315	DAY	1-1/8 To 1-1/4 CY Hydraulic Excavator With Full-Time Operator	.....	1,684.96	
		<i>For Equipment Without Operator, Deduct</i>		-640.34	
01 22 23 00-0316	WK	1-1/8 To 1-1/4 CY Hydraulic Excavator With Full-Time Operator	.....	7,357.33	
		<i>For Equipment Without Operator, Deduct</i>		-3,201.71	
01 22 23 00-0317	MO	1-1/8 To 1-1/4 CY Hydraulic Excavator With Full-Time Operator	.....	26,267.36	
		<i>For Equipment Without Operator, Deduct</i>		-13,800.48	
01 22 23 00-0318	DAY	1-3/8 To 1-1/2 CY Hydraulic Excavator With Full-Time Operator	.....	1,745.96	
		<i>For Equipment Without Operator, Deduct</i>		-640.34	
01 22 23 00-0319	WK	1-3/8 To 1-1/2 CY Hydraulic Excavator With Full-Time Operator	.....	7,624.21	
		<i>For Equipment Without Operator, Deduct</i>		-3,201.71	
01 22 23 00-0320	MO	1-3/8 To 1-1/2 CY Hydraulic Excavator With Full-Time Operator	.....	27,067.98	
		<i>For Equipment Without Operator, Deduct</i>		-13,800.48	
01 22 23 00-0321	DAY	1-5/8 To 1-7/8 CY Hydraulic Excavator With Full-Time Operator	.....	1,860.34	
		<i>For Equipment Without Operator, Deduct</i>		-640.34	
01 22 23 00-0322	WK	1-5/8 To 1-7/8 CY Hydraulic Excavator With Full-Time Operator	.....	8,081.71	
		<i>For Equipment Without Operator, Deduct</i>		-3,201.71	
01 22 23 00-0323	MO	1-5/8 To 1-7/8 CY Hydraulic Excavator With Full-Time Operator	.....	28,440.48	
		<i>For Equipment Without Operator, Deduct</i>		-13,800.48	
01 22 23 00-0324	DAY	2 To 2-3/8 CY Hydraulic Excavator With Full-Time Operator	.....	1,989.96	
		<i>For Equipment Without Operator, Deduct</i>		-640.34	
01 22 23 00-0325	WK	2 To 2-3/8 CY Hydraulic Excavator With Full-Time Operator	.....	8,592.59	
		<i>For Equipment Without Operator, Deduct</i>		-3,201.71	
01 22 23 00-0326	MO	2 To 2-3/8 CY Hydraulic Excavator With Full-Time Operator	.....	29,965.48	
		<i>For Equipment Without Operator, Deduct</i>		-13,800.48	
01 22 23 00-0327	DAY	2-1/2 To 2-7/8 CY Hydraulic Excavator With Full-Time Operator	.....	2,028.09	
		<i>For Equipment Without Operator, Deduct</i>		-640.34	
01 22 23 00-0328	WK	2-1/2 To 2-7/8 CY Hydraulic Excavator With Full-Time Operator	.....	8,745.09	
		<i>For Equipment Without Operator, Deduct</i>		-3,201.71	
01 22 23 00-0329	MO	2-1/2 To 2-7/8 CY Hydraulic Excavator With Full-Time Operator	.....	30,422.98	
		<i>For Equipment Without Operator, Deduct</i>		-13,800.48	
01 22 23 00-0330	DAY	3 To 3-3/4 CY Hydraulic Excavator With Full-Time Operator	.....	2,394.09	
		<i>For Equipment Without Operator, Deduct</i>		-640.34	
01 22 23 00-0331	WK	3 To 3-3/4 CY Hydraulic Excavator With Full-Time Operator	.....	10,216.71	
		<i>For Equipment Without Operator, Deduct</i>		-3,201.71	
01 22 23 00-0332	MO	3 To 3-3/4 CY Hydraulic Excavator With Full-Time Operator	.....	34,845.48	
		<i>For Equipment Without Operator, Deduct</i>		-13,800.48	
01 22 23 00-0333	DAY	4 To 5-3/4 CY Hydraulic Excavator With Full-Time Operator	.....	2,920.22	
		<i>For Equipment Without Operator, Deduct</i>		-640.34	
01 22 23 00-0334	WK	4 To 5-3/4 CY Hydraulic Excavator With Full-Time Operator	.....	12,305.96	
		<i>For Equipment Without Operator, Deduct</i>		-3,201.71	
01 22 23 00-0335	MO	4 To 5-3/4 CY Hydraulic Excavator With Full-Time Operator	.....	41,097.98	
		<i>For Equipment Without Operator, Deduct</i>		-13,800.48	
01 22 23 00-0336	DAY	Thumbs Or Grapple Attachment For Hydraulic Excavators	.....	106.75	
01 22 23 00-0337	WK	Thumbs Or Grapple Attachment For Hydraulic Excavators	.....	411.75	
01 22 23 00-0338	MO	Thumbs Or Grapple Attachment For Hydraulic Excavators	.....	1,220.00	
01 22 23 00-0339	DAY	1,000 Ft-Lb Hydraulic Hammer Attachment For Hydraulic Excavators	.....	472.75	
01 22 23 00-0340	WK	1,000 Ft-Lb Hydraulic Hammer Attachment For Hydraulic Excavators	.....	1,250.50	
01 22 23 00-0341	MO	1,000 Ft-Lb Hydraulic Hammer Attachment For Hydraulic Excavators	.....	3,499.88	
01 22 23 00-0342	DAY	1,500 Ft-Lb Hydraulic Hammer Attachment For Hydraulic Excavators	.....	732.00	
01 22 23 00-0343	WK	1,500 Ft-Lb Hydraulic Hammer Attachment For Hydraulic Excavators	.....	1,868.12	
01 22 23 00-0344	MO	1,500 Ft-Lb Hydraulic Hammer Attachment For Hydraulic Excavators	.....	4,857.12	
01 22 23 00-0345	DAY	3,000 Ft-Lb Hydraulic Hammer Attachment For Hydraulic Excavators	.....	1,021.75	
01 22 23 00-0346	WK	3,000 Ft-Lb Hydraulic Hammer Attachment For Hydraulic Excavators	.....	2,752.62	
01 22 23 00-0347	MO	3,000 Ft-Lb Hydraulic Hammer Attachment For Hydraulic Excavators	.....	7,716.50	
01 22 23 00-0348	DAY	24" Compaction Wheel Attachment For Hydraulic Excavators	.....	213.50	
01 22 23 00-0349	WK	24" Compaction Wheel Attachment For Hydraulic Excavators	.....	854.00	
01 22 23 00-0350	MO	24" Compaction Wheel Attachment For Hydraulic Excavators	.....	2,562.00	
01 22 23 00-0351	DAY	36" Compaction Wheel Attachment For Hydraulic Excavators	.....	305.00	
01 22 23 00-0352	WK	36" Compaction Wheel Attachment For Hydraulic Excavators	.....	1,220.00	
01 22 23 00-0353	MO	36" Compaction Wheel Attachment For Hydraulic Excavators	.....	3,660.00	
01 22 23 00-0354	DAY	48" Compaction Wheel Attachment For Hydraulic Excavators	.....	335.50	
01 22 23 00-0355	WK	48" Compaction Wheel Attachment For Hydraulic Excavators	.....	1,326.75	
01 22 23 00-0356	MO	48" Compaction Wheel Attachment For Hydraulic Excavators	.....	3,965.00	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0357 Mini-Excavators <small>(01 22 23 00-0238)</small>		
Note: Includes full-time operator. Excludes delivery, set-up, and removal.		
01 22 23 00-0358 DAY 2,000 LB Mini-Excavator With Full-Time Operator (Bobcat 316)	960.59	
For Equipment Without Operator, Deduct	-640.34	
01 22 23 00-0359 WK 2,000 LB Mini-Excavator With Full-Time Operator (Bobcat 316)	4,109.09	
For Equipment Without Operator, Deduct	-3,201.71	
01 22 23 00-0360 MO 2,000 LB Mini-Excavator With Full-Time Operator (Bobcat 316)	15,798.23	
For Equipment Without Operator, Deduct	-13,800.48	
01 22 23 00-0361 DAY 3,500 LB Mini-Excavator With Full-Time Operator (Bobcat 322 Or 323)	968.22	
For Equipment Without Operator, Deduct	-640.34	
01 22 23 00-0362 WK 3,500 LB Mini-Excavator With Full-Time Operator (Bobcat 322 Or 323)	4,131.96	
For Equipment Without Operator, Deduct	-3,201.71	
01 22 23 00-0363 MO 3,500 LB Mini-Excavator With Full-Time Operator (Bobcat 322 Or 323)	16,278.60	
For Equipment Without Operator, Deduct	-13,800.48	
01 22 23 00-0364 DAY 6,000 LB Mini-Excavator With Full-Time Operator (Bobcat 325 Or 328)	1,006.34	
For Equipment Without Operator, Deduct	-640.34	
01 22 23 00-0365 WK 6,000 LB Mini-Excavator With Full-Time Operator (Bobcat 325 Or 328)	4,238.71	
For Equipment Without Operator, Deduct	-3,201.71	
01 22 23 00-0366 MO 6,000 LB Mini-Excavator With Full-Time Operator (Bobcat 325 Or 328)	16,347.23	
For Equipment Without Operator, Deduct	-13,800.48	
01 22 23 00-0367 DAY 7,500 LB Mini-Excavator With Full-Time Operator (Bobcat 329, 331 Or 334)	1,021.59	
For Equipment Without Operator, Deduct	-640.34	
01 22 23 00-0368 WK 7,500 LB Mini-Excavator With Full-Time Operator (Bobcat 329, 331 Or 334)	4,292.09	
For Equipment Without Operator, Deduct	-3,201.71	
01 22 23 00-0369 MO 7,500 LB Mini-Excavator With Full-Time Operator (Bobcat 329, 331 Or 334)	16,377.73	
For Equipment Without Operator, Deduct	-13,800.48	
01 22 23 00-0370 DAY 9,500 LB Mini-Excavator With Full-Time Operator (Bobcat 335)	1,113.09	
For Equipment Without Operator, Deduct	-640.34	
01 22 23 00-0371 WK 9,500 LB Mini-Excavator With Full-Time Operator (Bobcat 335)	4,368.33	
For Equipment Without Operator, Deduct	-3,201.71	
01 22 23 00-0372 MO 9,500 LB Mini-Excavator With Full-Time Operator (Bobcat 335)	17,262.23	
For Equipment Without Operator, Deduct	-13,800.48	
01 22 23 00-0373 DAY 11,000 LB Mini-Excavator With Full-Time Operator (Bobcat 337)	1,120.72	
For Equipment Without Operator, Deduct	-640.34	
01 22 23 00-0374 WK 11,000 LB Mini-Excavator With Full-Time Operator (Bobcat 337)	4,749.59	
For Equipment Without Operator, Deduct	-3,201.71	
01 22 23 00-0375 MO 11,000 LB Mini-Excavator With Full-Time Operator (Bobcat 337)	17,300.36	
For Equipment Without Operator, Deduct	-13,800.48	
01 22 23 00-0376 Road Graders <small>(01 22 23 00-0238)</small>		
Note: Includes full-time operator. Excludes delivery, set-up, and removal.		
01 22 23 00-0377 DAY 60 HP Road Grader With Full-Time Operator	1,391.57	
For Equipment Without Operator, Deduct	-640.34	
01 22 23 00-0378 WK 60 HP Road Grader With Full-Time Operator	5,233.88	
For Equipment Without Operator, Deduct	-3,201.71	
01 22 23 00-0379 MO 60 HP Road Grader With Full-Time Operator	19,877.74	
For Equipment Without Operator, Deduct	-13,800.48	
01 22 23 00-0380 DAY 80 HP Road Grader With Full-Time Operator	1,613.09	
For Equipment Without Operator, Deduct	-640.34	
01 22 23 00-0381 WK 80 HP Road Grader With Full-Time Operator	5,850.28	
For Equipment Without Operator, Deduct	-3,201.71	
01 22 23 00-0382 MO 80 HP Road Grader With Full-Time Operator	21,746.19	
For Equipment Without Operator, Deduct	-13,800.48	
01 22 23 00-0383 DAY 130 HP Road Grader With Full-Time Operator	1,767.00	
For Equipment Without Operator, Deduct	-640.34	
01 22 23 00-0384 WK 130 HP Road Grader With Full-Time Operator	6,536.27	
For Equipment Without Operator, Deduct	-3,201.71	
01 22 23 00-0385 MO 130 HP Road Grader With Full-Time Operator	23,795.08	
For Equipment Without Operator, Deduct	-13,800.48	
01 22 23 00-0386 Loader-Backhoes With Standard Bucket <small>(01 22 23 00-0238)</small>		
Note: Includes full-time operator. Excludes delivery, set-up, and removal.		
01 22 23 00-0387 DAY 1/2 To 5/8 CY, 65 HP, Loader-Backhoe With Standard Bucket And Full-Time Operator	1,173.66	
For Equipment Without Operator, Deduct	-640.34	
01 22 23 00-0388 WK 1/2 To 5/8 CY, 65 HP, Loader-Backhoe With Standard Bucket And Full-Time Operator	4,468.34	
For Equipment Without Operator, Deduct	-3,201.71	
01 22 23 00-0389 MO 1/2 To 5/8 CY, 65 HP, Loader-Backhoe With Standard Bucket And Full-Time Operator	16,781.34	
For Equipment Without Operator, Deduct	-13,800.48	
01 22 23 00-0390 DAY 1 CY, 24" Bucket, 14'-4" Deep, 75 HP, Loader-Backhoe With Full-Time Operator	1,230.80	
For Equipment Without Operator, Deduct	-640.34	
01 22 23 00-0391 WK 1 CY, 24" Bucket, 14'-4" Deep, 75 HP, Loader-Backhoe With Full-Time Operator	4,668.33	
For Equipment Without Operator, Deduct	-3,201.71	
01 22 23 00-0392 MO 1 CY, 24" Bucket, 14'-4" Deep, 75 HP, Loader-Backhoe With Full-Time Operator	18,000.34	
For Equipment Without Operator, Deduct	-13,800.48	
01 22 23 00-0393 DAY 1-1/2 CY, 24" Bucket, 16'-6" Deep, 90 HP, Loader-Backhoe With Full-Time Operator	1,318.89	
For Equipment Without Operator, Deduct	-640.34	
01 22 23 00-0394 WK 1-1/2 CY, 24" Bucket, 16'-6" Deep, 90 HP, Loader-Backhoe With Full-Time Operator	4,887.37	
For Equipment Without Operator, Deduct	-3,201.71	
01 22 23 00-0395 MO 1-1/2 CY, 24" Bucket, 16'-6" Deep, 90 HP, Loader-Backhoe With Full-Time Operator	18,628.89	
For Equipment Without Operator, Deduct	-13,800.48	

01	General Requirements
01 20	Price And Payment Procedures
01 22	Unit Prices



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0396 DAY 1-3/4 CY, 30" Bucket, 18'-0" Deep, 112 HP, Loader-Backhoe With Full-Time Operator.....	1,711.73	
<i>For Equipment Without Operator, Deduct</i>	-640.34	
01 22 23 00-0397 WK 1-3/4 CY, 30" Bucket, 18'-0" Deep, 112 HP, Loader-Backhoe With Full-Time Operator.....	6,058.76	
<i>For Equipment Without Operator, Deduct</i>	-3,201.71	
01 22 23 00-0398 MO 1-3/4 CY, 30" Bucket, 18'-0" Deep, 112 HP, Loader-Backhoe With Full-Time Operator.....	21,981.17	
<i>For Equipment Without Operator, Deduct</i>	-13,800.48	
01 22 23 00-0399 Heavy Duty Construction Loaders <small>(01 22 23 00-0238)</small>		
Note: Includes full-time operator. Excludes delivery, set-up, and removal.		
01 22 23 00-0400 DAY 2-1/2 CY, 119 HP, Heavy Duty Construction Loader With Full-Time Operator.....	1,116.86	
<i>For Equipment Without Operator, Deduct</i>	-640.34	
01 22 23 00-0401 WK 2-1/2 CY, 119 HP, Heavy Duty Construction Loader With Full-Time Operator.....	5,085.78	
<i>For Equipment Without Operator, Deduct</i>	-3,201.71	
01 22 23 00-0402 MO 2-1/2 CY, 119 HP, Heavy Duty Construction Loader With Full-Time Operator.....	19,445.35	
<i>For Equipment Without Operator, Deduct</i>	-13,800.48	
01 22 23 00-0403 DAY 3 CY, 135 HP, Heavy Duty Construction Loader With Full-Time Operator.....	1,512.73	
<i>For Equipment Without Operator, Deduct</i>	-640.34	
01 22 23 00-0404 WK 3 CY, 135 HP, Heavy Duty Construction Loader With Full-Time Operator.....	5,518.31	
<i>For Equipment Without Operator, Deduct</i>	-3,201.71	
01 22 23 00-0405 MO 3 CY, 135 HP, Heavy Duty Construction Loader With Full-Time Operator.....	19,665.28	
<i>For Equipment Without Operator, Deduct</i>	-13,800.48	
01 22 23 00-0406 DAY 3-1/2 CY, 198 HP, Heavy Duty Construction Loader With Full-Time Operator.....	1,600.70	
<i>For Equipment Without Operator, Deduct</i>	-640.34	
01 22 23 00-0407 WK 3-1/2 CY, 198 HP, Heavy Duty Construction Loader With Full-Time Operator.....	5,752.90	
<i>For Equipment Without Operator, Deduct</i>	-3,201.71	
01 22 23 00-0408 MO 3-1/2 CY, 198 HP, Heavy Duty Construction Loader With Full-Time Operator.....	20,251.76	
<i>For Equipment Without Operator, Deduct</i>	-13,800.48	
01 22 23 00-0409 DAY 4-1/2 CY, 215 HP, Heavy Duty Construction Loader With Full-Time Operator.....	1,842.62	
<i>For Equipment Without Operator, Deduct</i>	-640.34	
01 22 23 00-0410 WK 4-1/2 CY, 215 HP, Heavy Duty Construction Loader With Full-Time Operator.....	11,265.81	
<i>For Equipment Without Operator, Deduct</i>	-3,201.71	
01 22 23 00-0411 MO 4-1/2 CY, 215 HP, Heavy Duty Construction Loader With Full-Time Operator.....	21,864.58	
<i>For Equipment Without Operator, Deduct</i>	-13,800.48	
01 22 23 00-0412 DAY 7-1/3 CY, 330 HP, Heavy Duty Construction Loader With Full-Time Operator.....	2,465.76	
<i>For Equipment Without Operator, Deduct</i>	-640.34	
01 22 23 00-0413 WK 7-1/3 CY, 330 HP, Heavy Duty Construction Loader With Full-Time Operator.....	10,488.72	
<i>For Equipment Without Operator, Deduct</i>	-3,201.71	
01 22 23 00-0414 MO 7-1/3 CY, 330 HP, Heavy Duty Construction Loader With Full-Time Operator.....	35,646.86	
<i>For Equipment Without Operator, Deduct</i>	-13,800.48	
01 22 23 00-0415 DAY 13-1/2 CY, 690 HP, Heavy Duty Construction Loader With Full-Time Operator.....	6,571.05	
<i>For Equipment Without Operator, Deduct</i>	-640.34	
01 22 23 00-0416 WK 13-1/2 CY, 690 HP, Heavy Duty Construction Loader With Full-Time Operator.....	22,460.04	
<i>For Equipment Without Operator, Deduct</i>	-3,201.71	
01 22 23 00-0417 MO 13-1/2 CY, 690 HP, Heavy Duty Construction Loader With Full-Time Operator.....	66,284.65	
<i>For Equipment Without Operator, Deduct</i>	-13,800.48	
01 22 23 00-0418 Shoring <small>(01 22 23 00-0238)</small>		
Note: Includes delivery to job site and pick-up when complete.		
01 22 23 00-0419 Aluminum Hydraulic Shoring <small>(01 22 23 00-0418)</small>		
Note: Includes delivery to job site and pick-up when complete. Excludes sheeting.		
01 22 23 00-0420 WK 2' Rails, 1 Cylinder, Aluminum Hydraulic Shoring.....	30.17	
Note: Up to 88" spread width.		
01 22 23 00-0421 MO 2' Rails, 1 Cylinder, Aluminum Hydraulic Shoring.....	88.99	
Note: Up to 88" spread width.		
01 22 23 00-0422 WK Up To 12' Rails, 2 Cylinders, Aluminum Hydraulic Shoring.....	40.47	
Note: Up to 88" spread width.		
01 22 23 00-0423 MO Up To 12' Rails, 2 Cylinders, Aluminum Hydraulic Shoring.....	119.38	
Note: Up to 88" spread width.		
01 22 23 00-0424 WK Up To 16' Rails, 3 Cylinders, Aluminum Hydraulic Shoring.....	75.05	
Note: Up to 88" spread width.		
01 22 23 00-0425 MO Up To 16' Rails, 3 Cylinders, Aluminum Hydraulic Shoring.....	221.40	
Note: Up to 88" spread width.		
01 22 23 00-0426 EA Set-up And Removal Of 1 Cylinder Aluminum Hydraulic Shores.....	22.55	
01 22 23 00-0427 EA Set-up And Removal Of 2 Cylinders Aluminum Hydraulic Shores.....	36.08	
01 22 23 00-0428 EA Set-up And Removal Of 3 Cylinders Aluminum Hydraulic Shores.....	60.13	
01 22 23 00-0429 Trench Boxes/Trench Shields <small>(01 22 23 00-0238)</small>		
Note: Trenching tasks include moving the trench box in excavation as trenching proceeds. Includes delivery to job site and pick-up when complete. For stackable units, combine multiple units for depth required.		
01 22 23 00-0430 WK 4' x 6' Trench Box With Up To 48" Spreaders.....	152.54	
01 22 23 00-0431 MO 4' x 6' Trench Box With Up To 48" Spreaders.....	457.61	
01 22 23 00-0432 WK 6' x 6' Trench Box With Up To 48" Spreaders.....	172.22	
01 22 23 00-0433 MO 6' x 6' Trench Box With Up To 48" Spreaders.....	516.65	
01 22 23 00-0434 WK 8' x 6' Trench Box With Up To 48" Spreaders.....	182.06	
01 22 23 00-0435 MO 8' x 6' Trench Box With Up To 48" Spreaders.....	546.18	
01 22 23 00-0436 WK 4' x 8' Trench Box With Up To 48" Spreaders.....	167.30	
01 22 23 00-0437 MO 4' x 8' Trench Box With Up To 48" Spreaders.....	501.89	
01 22 23 00-0438 WK 6' x 8' Trench Box With Up To 48" Spreaders.....	196.82	
01 22 23 00-0439 MO 6' x 8' Trench Box With Up To 48" Spreaders.....	590.46	
01 22 23 00-0440 WK 8' x 8' Trench Box With Up To 48" Spreaders.....	221.42	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0441 MO 8' x 8' Trench Box With Up To 48" Spreaders.....	664.27	
01 22 23 00-0442 WK 4' x 10' Trench Box With Up To 48" Spreaders.....	186.98	
01 22 23 00-0443 MO 4' x 10' Trench Box With Up To 48" Spreaders.....	560.94	
01 22 23 00-0444 WK 6' x 10' Trench Box With Up To 48" Spreaders.....	221.42	
01 22 23 00-0445 MO 6' x 10' Trench Box With Up To 48" Spreaders.....	664.27	
01 22 23 00-0446 WK 8' x 10' Trench Box With Up To 48" Spreaders.....	270.63	
01 22 23 00-0447 MO 8' x 10' Trench Box With Up To 48" Spreaders.....	806.96	
01 22 23 00-0448 WK 4' x 12' Trench Box With Up To 48" Spreaders.....	221.42	
01 22 23 00-0449 MO 4' x 12' Trench Box With Up To 48" Spreaders.....	664.27	
01 22 23 00-0450 WK 6' x 12' Trench Box With Up To 48" Spreaders.....	270.63	
01 22 23 00-0451 MO 6' x 12' Trench Box With Up To 48" Spreaders.....	811.88	
01 22 23 00-0452 WK 8' x 12' Trench Box With Up To 48" Spreaders.....	344.44	
01 22 23 00-0453 MO 8' x 12' Trench Box With Up To 48" Spreaders.....	1,033.30	
01 22 23 00-0454 WK 4' x 14' Trench Box With Up To 48" Spreaders.....	246.02	
01 22 23 00-0455 MO 4' x 14' Trench Box With Up To 48" Spreaders.....	738.08	
01 22 23 00-0456 WK 6' x 14' Trench Box With Up To 48" Spreaders.....	319.83	
01 22 23 00-0457 MO 6' x 14' Trench Box With Up To 48" Spreaders.....	959.50	
01 22 23 00-0458 WK 8' x 14' Trench Box With Up To 48" Spreaders.....	393.64	
01 22 23 00-0459 MO 8' x 14' Trench Box With Up To 48" Spreaders.....	1,180.92	
01 22 23 00-0460 WK 4' x 16' Trench Box With Up To 48" Spreaders.....	270.63	
01 22 23 00-0461 MO 4' x 16' Trench Box With Up To 48" Spreaders.....	811.88	
01 22 23 00-0462 WK 6' x 16' Trench Box With Up To 48" Spreaders.....	369.04	
01 22 23 00-0463 MO 6' x 16' Trench Box With Up To 48" Spreaders.....	1,107.11	
01 22 23 00-0464 WK 8' x 16' Trench Box With Up To 48" Spreaders.....	442.84	
01 22 23 00-0465 MO 8' x 16' Trench Box With Up To 48" Spreaders.....	1,328.54	
01 22 23 00-0466 WK 4' x 20' Trench Box With Up To 48" Spreaders.....	319.83	
01 22 23 00-0467 MO 4' x 20' Trench Box With Up To 48" Spreaders.....	959.50	
01 22 23 00-0468 WK 6' x 20' Trench Box With Up To 48" Spreaders.....	442.84	
01 22 23 00-0469 MO 6' x 20' Trench Box With Up To 48" Spreaders.....	1,328.54	
01 22 23 00-0470 WK 8' x 20' Trench Box With Up To 48" Spreaders.....	516.65	
01 22 23 00-0471 MO 8' x 20' Trench Box With Up To 48" Spreaders.....	1,549.96	
01 22 23 00-0472 WK 4' x 24' Trench Box With Up To 48" Spreaders.....	442.84	
01 22 23 00-0473 MO 4' x 24' Trench Box With Up To 48" Spreaders.....	1,328.54	
01 22 23 00-0474 WK 6' x 24' Trench Box With Up To 48" Spreaders.....	541.26	
01 22 23 00-0475 MO 6' x 24' Trench Box With Up To 48" Spreaders.....	1,623.76	
01 22 23 00-0476 WK 8' x 24' Trench Box With Up To 48" Spreaders.....	590.46	
01 22 23 00-0477 MO 8' x 24' Trench Box With Up To 48" Spreaders.....	1,771.38	
01 22 23 00-0478 WK For Spreaders >48" To 84", Add.....	14.76	
01 22 23 00-0479 MO For Spreaders >48" To 84", Add.....	44.28	
01 22 23 00-0480 WK For Spreaders >84" To 120", Add.....	88.57	
01 22 23 00-0481 MO For Spreaders >84" To 120", Add.....	265.71	
01 22 23 00-0482 WK For Spreaders >120", Add.....	186.98	
01 22 23 00-0483 MO For Spreaders >120", Add.....	560.94	
01 22 23 00-0484 WK 8' x 4' Manhole Box.....	232.49	
01 22 23 00-0485 MO 8' x 4' Manhole Box.....	697.48	
01 22 23 00-0486 WK 8' x 8' Manhole Box.....	332.13	
01 22 23 00-0487 MO 8' x 8' Manhole Box.....	996.40	
01 22 23 00-0488 Trenchers (01 22 23 00-0238)		
Note: Includes full-time operator. Excludes delivery, set-up, and removal.		
01 22 23 00-0489 DAY 4' Maximum Trench Depth, Ride-On Trencher With Full-Time Operator.....	1,021.14	
For Equipment Without Operator, Deduct	-640.34	
01 22 23 00-0490 WK 4' Maximum Trench Depth, Ride-On Trencher With Full-Time Operator.....	4,498.81	
For Equipment Without Operator, Deduct	-3,201.71	
01 22 23 00-0491 MO 4' Maximum Trench Depth, Ride-On Trencher With Full-Time Operator.....	17,370.48	
For Equipment Without Operator, Deduct	-13,800.48	
01 22 23 00-0492 DAY 5' Maximum Trench Depth, Ride-On Trencher With Full-Time Operator.....	1,663.74	
For Equipment Without Operator, Deduct	-640.34	
01 22 23 00-0493 WK 5' Maximum Trench Depth, Ride-On Trencher With Full-Time Operator.....	6,664.61	
For Equipment Without Operator, Deduct	-3,201.71	
01 22 23 00-0494 MO 5' Maximum Trench Depth, Ride-On Trencher With Full-Time Operator.....	23,320.48	
For Equipment Without Operator, Deduct	-13,800.48	
01 22 23 00-0495 Heavy Equipment Mats (01 22 23 00-0238)		
Note: Rental price per mat. Excludes mobilization and demobilization. See CSI section 01 71 13 00-0001 for equipment delivery, pickup, mobilization and demobilization.		
01 22 23 00-0496 Day 14' Width x 8' Length, 6" Thick, 3-Ply Laminated Heavy Equipment Mat.....	20.00	
01 22 23 00-0497 WK 14' Width x 8' Length, 6" Thick, 3-Ply Laminated Heavy Equipment Mat.....	47.62	
01 22 23 00-0498 MO 14' Width x 8' Length, 6" Thick, 3-Ply Laminated Heavy Equipment Mat.....	100.00	
01 22 23 00-0499 Day 16' Width x 8' Length, 6" Thick, 3-Ply Laminated Heavy Equipment Mat.....	21.00	
01 22 23 00-0500 WK 16' Width x 8' Length, 6" Thick, 3-Ply Laminated Heavy Equipment Mat.....	50.00	
01 22 23 00-0501 MO 16' Width x 8' Length, 6" Thick, 3-Ply Laminated Heavy Equipment Mat.....	105.00	
01 22 23 00-0502 Day 16' Width x 4' Length, 8" Thick Hardwood Timbers, Dragline/Excavator Mat.....	17.00	
01 22 23 00-0503 WK 16' Width x 4' Length, 8" Thick Hardwood Timbers, Dragline/Excavator Mat.....	40.00	
01 22 23 00-0504 MO 16' Width x 4' Length, 8" Thick Hardwood Timbers, Dragline/Excavator Mat.....	85.00	
01 22 23 00-0505 Day 18' Width x 4' Length, 8" Thick Hardwood Timbers, Dragline/Excavator Mat.....	19.00	
01 22 23 00-0506 WK 18' Width x 4' Length, 8" Thick Hardwood Timbers, Dragline/Excavator Mat.....	45.00	
01 22 23 00-0507 MO 18' Width x 4' Length, 8" Thick Hardwood Timbers, Dragline/Excavator Mat.....	95.00	
01 22 23 00-0508 Day 20' Width x 4' Length, 8" Thick Hardwood Timbers, Dragline/Excavator Mat.....	21.00	
01 22 23 00-0509 WK 20' Width x 4' Length, 8" Thick Hardwood Timbers, Dragline/Excavator Mat.....	50.00	

01	General Requirements
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MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

01 22 23 00-0510	MO	20' Width x 4' Length, 8" Thick Hardwood Timbers, Dragline/Excavator Mat.....	105.00	
01 22 23 00-0511	Day	24' Width x 4' Length, 8" Thick Hardwood Timbers, Dragline/Excavator Mat.....	23.00	
01 22 23 00-0512	WK	24' Width x 4' Length, 8" Thick Hardwood Timbers, Dragline/Excavator Mat.....	54.76	
01 22 23 00-0513	MO	24' Width x 4' Length, 8" Thick Hardwood Timbers, Dragline/Excavator Mat.....	115.00	
01 22 23 00-0514	Day	12' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat.....	18.00	
01 22 23 00-0515	WK	12' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat.....	50.00	
01 22 23 00-0516	MO	12' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat.....	90.00	
01 22 23 00-0517	Day	16' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat.....	21.00	
01 22 23 00-0518	WK	16' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat.....	50.00	
01 22 23 00-0519	MO	16' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat.....	105.00	
01 22 23 00-0520	Day	20' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat.....	25.00	
01 22 23 00-0521	WK	20' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat.....	55.00	
01 22 23 00-0522	MO	20' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat.....	125.00	
01 22 23 00-0523	Day	24' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat.....	27.00	
01 22 23 00-0524	WK	24' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat.....	64.29	
01 22 23 00-0525	MO	24' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat.....	135.00	
01 22 23 00-0526	Day	28' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat.....	29.00	
01 22 23 00-0527	WK	28' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat.....	69.05	
01 22 23 00-0528	MO	28' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat.....	145.00	
01 22 23 00-0529	Day	30' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat.....	30.00	
01 22 23 00-0530	WK	30' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat.....	71.43	
01 22 23 00-0531	MO	30' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat.....	150.00	
01 22 23 00-0532	Day	14' Width x 8' Length, 2-3/4" Thick, Laminated Heavy Equipment Mat (Emtek™).....	9.62	
01 22 23 00-0533	WK	14' Width x 8' Length, 2-3/4" Thick, Laminated Heavy Equipment Mat (Emtek™).....	24.05	
01 22 23 00-0534	MO	14' Width x 8' Length, 2-3/4" Thick, Laminated Heavy Equipment Mat (Emtek™).....	72.15	
01 22 23 00-0535	Day	14' Width x 8' Length, 3-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™).....	11.50	
01 22 23 00-0536	WK	14' Width x 8' Length, 3-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™).....	28.75	
01 22 23 00-0537	MO	14' Width x 8' Length, 3-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™).....	86.25	
01 22 23 00-0538	Day	16' Width x 8' Length, 3-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™).....	13.13	
01 22 23 00-0539	WK	16' Width x 8' Length, 3-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™).....	32.83	
01 22 23 00-0540	MO	16' Width x 8' Length, 3-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™).....	98.50	
01 22 23 00-0541	Day	14' Width x 8' Length, 4-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™).....	14.00	
01 22 23 00-0542	WK	14' Width x 8' Length, 4-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™).....	35.00	
01 22 23 00-0543	MO	14' Width x 8' Length, 4-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™).....	105.00	
01 22 23 00-0544	Day	16' Width x 8' Length, 4-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™).....	16.00	
01 22 23 00-0545	WK	16' Width x 8' Length, 4-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™).....	40.00	
01 22 23 00-0546	MO	16' Width x 8' Length, 4-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™).....	120.00	
01 22 23 00-0547	Day	16' Width x 8' Length, 5-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™).....	18.39	
01 22 23 00-0548	WK	16' Width x 8' Length, 5-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™).....	45.97	
01 22 23 00-0549	MO	16' Width x 8' Length, 5-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™).....	137.90	
01 22 23 00-0550	Day	24' Width x 4' Length, 6" Thick, Laminated Heavy Equipment Mat (Emtek™).....	14.15	
01 22 23 00-0551	WK	24' Width x 4' Length, 6" Thick, Laminated Heavy Equipment Mat (Emtek™).....	35.37	
01 22 23 00-0552	MO	24' Width x 4' Length, 6" Thick, Laminated Heavy Equipment Mat (Emtek™).....	106.10	
01 22 23 00-0553	Day	30' Width x 4' Length, 6-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™).....	19.15	
01 22 23 00-0554	WK	30' Width x 4' Length, 6-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™).....	47.88	
01 22 23 00-0555	MO	30' Width x 4' Length, 6-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™).....	143.65	
01 22 23 00-0556	Day	24' Width x 4' Length, 7-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™).....	16.56	
01 22 23 00-0557	WK	24' Width x 4' Length, 7-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™).....	41.40	
01 22 23 00-0558	MO	24' Width x 4' Length, 7-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™).....	124.20	
01 22 23 00-0559	Day	40' Width x 4' Length, 7-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™).....	27.62	
01 22 23 00-0560	WK	40' Width x 4' Length, 7-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™).....	69.05	
01 22 23 00-0561	MO	40' Width x 4' Length, 7-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™).....	207.14	
01 22 23 00-0562	Day	40' Width x 4' Length, 8" Thick, Laminated Heavy Equipment Mat (Emtek™).....	29.44	
01 22 23 00-0563	WK	40' Width x 4' Length, 8" Thick, Laminated Heavy Equipment Mat (Emtek™).....	73.60	
01 22 23 00-0564	MO	40' Width x 4' Length, 8" Thick, Laminated Heavy Equipment Mat (Emtek™).....	220.80	

01 22 23 00-0565 Electrical Equipment (01 22 23)

01 22 23 00-0566 Tripod Mounted Floodlights (01 22 23 00-0565)

Note: Includes delivery to job site and pick-up when complete.

01 22 23 00-0567	DAY	500 Watt, 115 Volt, 2 Lamp, Portable Light Stand With Tripod.....	58.89	
01 22 23 00-0568	WK	500 Watt, 115 Volt, 2 Lamp, Portable Light Stand With Tripod.....	139.32	
01 22 23 00-0569	MO	500 Watt, 115 Volt, 2 Lamp, Portable Light Stand With Tripod.....	294.44	
01 22 23 00-0570	DAY	1,000 Watt, 115 Volt, 2 Lamp, Portable Light Stand With Tripod.....	58.89	
01 22 23 00-0571	WK	1,000 Watt, 115 Volt, 2 Lamp, Portable Light Stand With Tripod.....	172.36	
01 22 23 00-0572	MO	1,000 Watt, 115 Volt, 2 Lamp, Portable Light Stand With Tripod.....	509.89	
01 22 23 00-0573	DAY	2,000 Watt, 115 Volt, 2 Lamp, Portable Light Stand With Tripod.....	66.07	
01 22 23 00-0574	WK	2,000 Watt, 115 Volt, 2 Lamp, Portable Light Stand With Tripod.....	179.54	
01 22 23 00-0575	MO	2,000 Watt, 115 Volt, 2 Lamp, Portable Light Stand With Tripod.....	438.07	

01 22 23 00-0576 Trailer Mounted Floodlights (01 22 23 00-0565)

Note: Includes delivery to job site and pick-up when complete. Excludes operator.

01 22 23 00-0577	DAY	4 x 1,000 Watt Floodlights, 30' Telescoping Tower, Diesel Power Trailer Mounted Light Tower.....	165.17	
01 22 23 00-0578	WK	4 x 1,000 Watt Floodlights, 30' Telescoping Tower, Diesel Power Trailer Mounted Light Tower.....	366.26	
01 22 23 00-0579	MO	4 x 1,000 Watt Floodlights, 30' Telescoping Tower, Diesel Power Trailer Mounted Light Tower.....	789.96	

01 22 23 00-0580 Generator Sets (01 22 23 00-0565)



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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01 22 23 00-0581			Portable, Gas Or Diesel Powered Generator Sets <small>(01 22 23 00-0580)</small>		
<small>Note: With 24 hour day-tank. Includes delivery to job site and pick-up when complete. Excludes cables, operator and fuel costs. See CSI section 01 22 23 00-0664 for reimbursable fuel fees.</small>					
01 22 23 00-0582	DAY		3.6 KW, 8 HP Gas Powered Generator Set.....	52.27	
For LP Or NG Gas, Add				6.53	
01 22 23 00-0583	WK		3.6 KW, 8 HP Gas Powered Generator Set.....	188.42	
For LP Or NG Gas, Add				23.55	
01 22 23 00-0584	MO		3.6 KW, 8 HP Gas Powered Generator Set.....	522.71	
For LP Or NG Gas, Add				65.34	
01 22 23 00-0585	DAY		5 KW, 11 HP Gas Powered Generator Set.....	74.15	
For LP Or NG Gas, Add				9.27	
01 22 23 00-0586	WK		5 KW, 11 HP Gas Powered Generator Set.....	237.04	
For LP Or NG Gas, Add				29.63	
01 22 23 00-0587	MO		5 KW, 11 HP Gas Powered Generator Set.....	540.94	
For LP Or NG Gas, Add				67.62	
01 22 23 00-0588	DAY		6.5 KW, 13 HP Gas Powered Generator Set.....	94.82	
For LP Or NG Gas, Add				11.85	
01 22 23 00-0589	WK		6.5 KW, 13 HP Gas Powered Generator Set.....	255.28	
For LP Or NG Gas, Add				31.91	
01 22 23 00-0590	MO		6.5 KW, 13 HP Gas Powered Generator Set.....	705.05	
For LP Or NG Gas, Add				88.13	
01 22 23 00-0591	DAY		10 KW, 18 HP Gas Powered Generator Set.....	105.76	
For LP Or NG Gas, Add				13.22	
01 22 23 00-0592	WK		10 KW, 18 HP Gas Powered Generator Set.....	285.67	
For LP Or NG Gas, Add				35.71	
01 22 23 00-0593	MO		10 KW, 18 HP Gas Powered Generator Set.....	820.53	
For LP Or NG Gas, Add				102.57	

01 22 23 00-0594			Towable, Diesel Powered Generator Sets <small>(01 22 23 00-0580)</small>		
<small>Note: Includes 24 hour day-tank on sizes up to 180KW, 40 hour day-tank for sizes greater than 180KW To 300 KW and 1000 gallon for sizes greater than 300KW. Multi-voltage transformer unless stated otherwise, trailer mounted including sound attenuation and control panel. Excludes cables, operator and fuel costs. See CSI section 01 22 23 00-0664 for reimbursable fuel fees.</small>					
01 22 23 00-0595	DAY		20 KW, 60 Hertz Diesel Powered Generator Set.....	217.59	
Note: Fuel consumption: 100% load - 1.7 gallons per hour, 75% load - 1.3 gallons per hour, 50% load - 1.0 gallons per hour.					
01 22 23 00-0596	WK		20 KW, 60 Hertz Diesel Powered Generator Set.....	568.90	
Note: Fuel consumption: 100% load - 1.7 gallons per hour, 75% load - 1.3 gallons per hour, 50% load - 1.0 gallons per hour.					
01 22 23 00-0597	MO		20 KW, 60 Hertz Diesel Powered Generator Set.....	1,549.89	
Note: Fuel consumption: 100% load - 1.7 gallons per hour, 75% load - 1.3 gallons per hour, 50% load - 1.0 gallons per hour.					
01 22 23 00-0598	DAY		40.0 KW, 60 Hertz Diesel Powered Generator Set.....	341.81	
Note: Fuel consumption: 100% load - 3.1 gallons per hour, 75% load - 2.3 gallons per hour, 50% load - 1.7 gallons per hour.					
01 22 23 00-0599	WK		40.0 KW, 60 Hertz Diesel Powered Generator Set.....	769.89	
Note: Fuel consumption: 100% load - 3.1 gallons per hour, 75% load - 2.3 gallons per hour, 50% load - 1.7 gallons per hour.					
01 22 23 00-0600	MO		40.0 KW, 60 Hertz Diesel Powered Generator Set.....	2,050.88	
Note: Fuel consumption: 100% load - 3.1 gallons per hour, 75% load - 2.3 gallons per hour, 50% load - 1.7 gallons per hour.					
01 22 23 00-0601	DAY		70.0 KW, 60 Hertz Diesel Powered Generator Set.....	447.61	
Note: Fuel consumption: 100% load - 6.25 gallons per hour, 75% load - 10.0 gallons per hour, 50% load - 3.8 gallons per hour.					
01 22 23 00-0602	WK		70.0 KW, 60 Hertz Diesel Powered Generator Set.....	1,003.74	
Note: Fuel consumption: 100% load - 6.25 gallons per hour, 75% load - 10.0 gallons per hour, 50% load - 3.8 gallons per hour.					
01 22 23 00-0603	MO		70.0 KW, 60 Hertz Diesel Powered Generator Set.....	2,787.40	
Note: Fuel consumption: 100% load - 6.25 gallons per hour, 75% load - 10.0 gallons per hour, 50% load - 3.8 gallons per hour.					
01 22 23 00-0604	DAY		100.0 KW, 60 Hertz Diesel Powered Generator Set.....	562.91	
Note: Fuel consumption: 100% load - 7.9 gallons per hour, 75% load - 5.9 gallons per hour, 50% load - 4.2 gallons per hour.					
01 22 23 00-0605	WK		100.0 KW, 60 Hertz Diesel Powered Generator Set.....	1,241.11	
Note: Fuel consumption: 100% load - 7.9 gallons per hour, 75% load - 5.9 gallons per hour, 50% load - 4.2 gallons per hour.					
01 22 23 00-0606	MO		100.0 KW, 60 Hertz Diesel Powered Generator Set.....	3,533.42	
Note: Fuel consumption: 100% load - 7.9 gallons per hour, 75% load - 5.9 gallons per hour, 50% load - 4.2 gallons per hour.					
01 22 23 00-0607	DAY		120.0 KW, 60 Hertz Diesel Powered Generator Set.....	579.86	
Note: Fuel consumption: 100% load - 10.7 gallons per hour, 75% load - 8.3 gallons per hour, 50% load - 6.5 gallons per hour.					
01 22 23 00-0608	WK		120.0 KW, 60 Hertz Diesel Powered Generator Set.....	1,336.05	
Note: Fuel consumption: 100% load - 10.7 gallons per hour, 75% load - 8.3 gallons per hour, 50% load - 6.5 gallons per hour.					
01 22 23 00-0609	MO		120.0 KW, 60 Hertz Diesel Powered Generator Set.....	4,116.67	
Note: Fuel consumption: 100% load - 10.7 gallons per hour, 75% load - 8.3 gallons per hour, 50% load - 6.5 gallons per hour.					
01 22 23 00-0610	DAY		150.0 KW, 60 Hertz Diesel Powered Generator Set.....	596.82	
Note: Fuel consumption: 100% load - 10.7 gallons per hour, 75% load - 8.3 gallons per hour, 50% load - 6.5 gallons per hour.					
01 22 23 00-0611	WK		150.0 KW, 60 Hertz Diesel Powered Generator Set.....	1,424.22	
Note: Fuel consumption: 100% load - 10.7 gallons per hour, 75% load - 8.3 gallons per hour, 50% load - 6.5 gallons per hour.					

01	General Requirements
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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0612 MO 150.0 KW, 60 Hertz Diesel Powered Generator Set..... Note: Fuel consumption: 100% load - 10.7 gallons per hour, 75% load - 8.3 gallons per hour, 50% load - 6.5 gallons per hour.	4,699.93	
01 22 23 00-0613 DAY 175.0 KW, 60 Hertz Diesel Powered Generator Set..... Note: Fuel consumption: 100% load - 16.1 gallons per hour, 75% load - 12.3 gallons per hour, 50% load - 8.9 gallons per hour.	653.78	
01 22 23 00-0614 WK 175.0 KW, 60 Hertz Diesel Powered Generator Set..... Note: Fuel consumption: 100% load - 16.1 gallons per hour, 75% load - 12.3 gallons per hour, 50% load - 8.9 gallons per hour.	1,486.61	
01 22 23 00-0615 MO 175.0 KW, 60 Hertz Diesel Powered Generator Set..... Note: Fuel consumption: 100% load - 16.1 gallons per hour, 75% load - 12.3 gallons per hour, 50% load - 8.9 gallons per hour.	4,937.30	
01 22 23 00-0616 DAY 250.0 KW, 60 Hertz Diesel Powered Generator Set..... Note: Fuel consumption: 100% load - 19.4 gallons per hour, 75% load - 15.5 gallons per hour, 50% load - 11.6 gallons per hour.	813.84	
01 22 23 00-0617 WK 250.0 KW, 60 Hertz Diesel Powered Generator Set..... Note: Fuel consumption: 100% load - 19.4 gallons per hour, 75% load - 15.5 gallons per hour, 50% load - 11.6 gallons per hour.	2,082.07	
01 22 23 00-0618 MO 250.0 KW, 60 Hertz Diesel Powered Generator Set..... Note: Fuel consumption: 100% load - 19.4 gallons per hour, 75% load - 15.5 gallons per hour, 50% load - 11.6 gallons per hour.	5,493.42	
01 22 23 00-0619 DAY 300.0 KW, 60 Hertz Diesel Powered Generator Set..... Note: Fuel consumption: 100% load - 22.7 gallons per hour, 75% load - 17.6 gallons per hour, 50% load - 13.6 gallons per hour.	922.35	
01 22 23 00-0620 WK 300.0 KW, 60 Hertz Diesel Powered Generator Set..... Note: Fuel consumption: 100% load - 22.7 gallons per hour, 75% load - 17.6 gallons per hour, 50% load - 13.6 gallons per hour.	2,238.06	
01 22 23 00-0621 MO 300.0 KW, 60 Hertz Diesel Powered Generator Set..... Note: Fuel consumption: 100% load - 22.7 gallons per hour, 75% load - 17.6 gallons per hour, 50% load - 13.6 gallons per hour.	6,103.80	
01 22 23 00-0622 DAY 350.0 KW, 60 Hertz Diesel Powered Generator Set..... Note: Fuel consumption: 100% load - 29.1 gallons per hour, 75% load - 23.9 gallons per hour, 50% load - 18.3 gallons per hour.	1,302.14	
01 22 23 00-0623 WK 350.0 KW, 60 Hertz Diesel Powered Generator Set..... Note: Fuel consumption: 100% load - 29.1 gallons per hour, 75% load - 23.9 gallons per hour, 50% load - 18.3 gallons per hour.	2,929.82	
01 22 23 00-0624 MO 350.0 KW, 60 Hertz Diesel Powered Generator Set..... Note: Fuel consumption: 100% load - 29.1 gallons per hour, 75% load - 23.9 gallons per hour, 50% load - 18.3 gallons per hour.	7,812.86	
01 22 23 00-0625 DAY 400.0 KW, 60 Hertz Diesel Powered Generator Set..... Note: Fuel consumption: 100% load - 32.7 gallons per hour, 75% load - 26.4 gallons per hour, 50% load - 19.9 gallons per hour.	1,390.31	
01 22 23 00-0626 WK 400.0 KW, 60 Hertz Diesel Powered Generator Set..... Note: Fuel consumption: 100% load - 32.7 gallons per hour, 75% load - 26.4 gallons per hour, 50% load - 19.9 gallons per hour.	3,363.87	
01 22 23 00-0627 MO 400.0 KW, 60 Hertz Diesel Powered Generator Set..... Note: Fuel consumption: 100% load - 32.7 gallons per hour, 75% load - 26.4 gallons per hour, 50% load - 19.9 gallons per hour.	9,833.90	
01 22 23 00-0628 DAY 500.0 KW, 60 Hertz Diesel Powered Generator Set..... Note: Fuel consumption: 100% load - 37.4 gallons per hour, 75% load - 28.5 gallons per hour, 50% load - 23.7 gallons per hour.	1,551.72	
01 22 23 00-0629 WK 500.0 KW, 60 Hertz Diesel Powered Generator Set..... Note: Fuel consumption: 100% load - 37.4 gallons per hour, 75% load - 28.5 gallons per hour, 50% load - 23.7 gallons per hour.	3,526.64	
01 22 23 00-0630 MO 500.0 KW, 60 Hertz Diesel Powered Generator Set..... Note: Fuel consumption: 100% load - 37.4 gallons per hour, 75% load - 28.5 gallons per hour, 50% load - 23.7 gallons per hour.	10,579.92	
01 22 23 00-0631 DAY 750.0 KW, 60 Hertz Diesel Powered Generator Set..... Note: Fuel consumption: 100% load - 54.8 gallons per hour, 75% load - 40.9 gallons per hour, 50% load - 28.8 gallons per hour.	2,170.24	
01 22 23 00-0632 WK 750.0 KW, 60 Hertz Diesel Powered Generator Set..... Note: Fuel consumption: 100% load - 54.8 gallons per hour, 75% load - 40.9 gallons per hour, 50% load - 28.8 gallons per hour.	5,425.60	
01 22 23 00-0633 MO 750.0 KW, 60 Hertz Diesel Powered Generator Set..... Note: Fuel consumption: 100% load - 54.8 gallons per hour, 75% load - 40.9 gallons per hour, 50% load - 28.8 gallons per hour.	16,276.80	
01 22 23 00-0634 EA Up To 300 KW Generator Set Delivery, Set-Up, Testing And Pick-up.....	881.84	
01 22 23 00-0635 EA 350 To 750 KW Generator Set Delivery, Set-Up, Testing And Pick-up.....	1,356.75	
01 22 23 00-0636 Cabling For Generator Sets (01 22 23 00-0580) Note: Includes delivery to job site and pick-up when complete.		
01 22 23 00-0637 DAY #1 Banded Cable, 50' With Camlock Ends For Generator Set.....	29.84	
01 22 23 00-0638 WK #1 Banded Cable, 50' With Camlock Ends For Generator Set.....	52.22	
01 22 23 00-0639 MO #1 Banded Cable, 50' With Camlock Ends For Generator Set.....	156.66	
01 22 23 00-0640 DAY 50', 4/0 Cable With Camlock Ends For Generator Set.....	14.92	
01 22 23 00-0641 WK 50', 4/0 Cable With Camlock Ends For Generator Set.....	43.40	
01 22 23 00-0642 MO 50', 4/0 Cable With Camlock Ends For Generator Set.....	120.72	
01 22 23 00-0643 Resistive Loadbanks (01 22 23 00-0580) Note: Includes delivery to job site and pick-up when complete. See CSI section 01 22 23 00-0664 for reimbursable fuel fees.		
01 22 23 00-0644 DAY 100 KW A/C Resistive Loadbank.....	371.28	
01 22 23 00-0645 WK 100 KW A/C Resistive Loadbank.....	916.36	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0646 MO 100 KW A/C Resistive Loadbank.....	2,741.18	
01 22 23 00-0647 DAY 650 KW A/C Resistive Loadbank.....	625.65	
01 22 23 00-0648 WK 650 KW A/C Resistive Loadbank.....	1,673.15	
01 22 23 00-0649 MO 650 KW A/C Resistive Loadbank.....	4,265.81	
01 22 23 00-0650 Sub-Distribution Panels (Spider Box) (01 22 23 00-0580)		
Note: Includes delivery to job site and pick-up when complete.		
01 22 23 00-0651 DAY Sub-Distribution Panel (Spider Box)	73.25	
01 22 23 00-0652 WK Sub-Distribution Panel (Spider Box)	189.90	
01 22 23 00-0653 MO Sub-Distribution Panel (Spider Box)	535.78	
01 22 23 00-0654 Portable Distribution Panels (01 22 23 00-0580)		
Note: Includes delivery to job site and pick-up when complete.		
01 22 23 00-0655 DAY 200 Amp Spider Box Feeder Panel	162.77	
01 22 23 00-0656 WK 200 Amp Spider Box Feeder Panel	440.83	
01 22 23 00-0657 MO 200 Amp Spider Box Feeder Panel	1,234.32	
01 22 23 00-0658 DAY 100 Amp Quad Box Panel	132.93	
01 22 23 00-0659 WK 100 Amp Quad Box Panel	345.88	
01 22 23 00-0660 MO 100 Amp Quad Box Panel	983.39	
01 22 23 00-0661 DAY 200 Amp Quad Box Panel	169.55	
01 22 23 00-0662 WK 200 Amp Quad Box Panel	427.27	
01 22 23 00-0663 MO 200 Amp Quad Box Panel	1,159.72	
01 22 23 00-0664 Fuel Reimbursement For Generators (01 22 23 00-0580)		
01 22 23 00-0665 EA Fuel Reimbursement For Generators	1.00	
Note: Purchases made by the contractor for fuel will be reimbursed to the Contractor at the actual cost of the purchase, without mark-up, for which a receipt or bill is received. The Adjustment Factor applied to Reimbursable Fees will be 1.0000. The base cost of the purchase is \$1.00, quantity will adjust cost to actual purchase cost; i.e., quantity of 125 = \$125.00 purchase. If there are multiple purchases, each one shall be listed separately with a comment in the "note" block to identify the purchase.		
01 22 23 00-0666 Space Heaters (01 22 23 00-0565)		
Note: Includes delivery to job site and pick-up when complete. Excludes operator.		
01 22 23 00-0667 DAY 150,000 BTU/Hour Space Heater.....	61.41	
01 22 23 00-0668 WK 150,000 BTU/Hour Space Heater	176.56	
01 22 23 00-0669 MO 150,000 BTU/Hour Space Heater	498.97	
01 22 23 00-0670 DAY 500,000 BTU/Hour Space Heater	130.50	
01 22 23 00-0671 WK 500,000 BTU/Hour Space Heater	322.41	
01 22 23 00-0672 MO 500,000 BTU/Hour Space Heater	815.24	
01 22 23 00-0673 General Equipment (01 22 23)		
01 22 23 00-0674 Jacks And Bracing (01 22 23 00-0673)		
Note: Includes delivery to job site and pick-up when complete.		
01 22 23 00-0675 Manual Hydraulic Jacks (01 22 23 00-0674)		
01 22 23 00-0676 DAY 12 Ton Manual Hydraulic Bottle Jack	14.19	
01 22 23 00-0677 WK 12 Ton Manual Hydraulic Bottle Jack	36.90	
01 22 23 00-0678 MO 12 Ton Manual Hydraulic Bottle Jack	65.28	
01 22 23 00-0679 DAY 20 Ton Manual Hydraulic Bottle Jack	28.38	
01 22 23 00-0680 WK 20 Ton Manual Hydraulic Bottle Jack	79.48	
01 22 23 00-0681 MO 20 Ton Manual Hydraulic Bottle Jack	156.11	
01 22 23 00-0682 DAY 50 Ton Manual Hydraulic Bottle Jack	44.00	
01 22 23 00-0683 WK 50 Ton Manual Hydraulic Bottle Jack	109.28	
01 22 23 00-0684 MO 50 Ton Manual Hydraulic Bottle Jack	184.50	
01 22 23 00-0685 DAY 100 Ton Manual Hydraulic Bottle Jack	116.37	
01 22 23 00-0686 WK 100 Ton Manual Hydraulic Bottle Jack	279.58	
01 22 23 00-0687 MO 100 Ton Manual Hydraulic Bottle Jack	465.50	
01 22 23 00-0688 Manual Screw Jacks (01 22 23 00-0674)		
01 22 23 00-0689 DAY 10 To 20 Ton Manual Screw Jack	13.72	
01 22 23 00-0690 WK 10 To 20 Ton Manual Screw Jack	36.94	
01 22 23 00-0691 MO 10 To 20 Ton Manual Screw Jack	102.38	
01 22 23 00-0692 Pressure Washers (01 22 23 00-0673)		
Note: Includes full-time operator, delivery, set-up, and removal.		
01 22 23 00-0693 DAY 2,000 PSI Pressure Washer With Full-Time Operator	660.15	
For Equipment Without Operator, Deduct		-574.75
01 22 23 00-0694 WK 2,000 PSI Pressure Washer With Full-Time Operator	3,090.54	
For Equipment Without Operator, Deduct		-2,873.76
01 22 23 00-0695 MO 2,000 PSI Pressure Washer With Full-Time Operator	12,938.68	
For Equipment Without Operator, Deduct		-12,386.88
01 22 23 00-0696 DAY 2,500 PSI Pressure Washer With Full-Time Operator	660.15	
For Equipment Without Operator, Deduct		-574.75

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01 22 23 00-0697 WK 2,500 PSI Pressure Washer With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	3,090.54 -2,873.76	
01 22 23 00-0698 MO 2,500 PSI Pressure Washer With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	12,938.68 -12,386.88	
01 22 23 00-0699 DAY 3,000 PSI Pressure Washer With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	660.15 -574.75	
01 22 23 00-0700 WK 3,000 PSI Pressure Washer With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	3,090.54 -2,873.76	
01 22 23 00-0701 MO 3,000 PSI Pressure Washer With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	12,938.68 -12,386.88	
01 22 23 00-0702 DAY 3,500 PSI Pressure Washer With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	666.72 -574.75	
01 22 23 00-0703 WK 3,500 PSI Pressure Washer With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	3,110.24 -2,873.76	
01 22 23 00-0704 MO 3,500 PSI Pressure Washer With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	12,991.23 -12,386.88	
01 22 23 00-0705 DAY 4,000 PSI Pressure Washer With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	692.99 -574.75	
01 22 23 00-0706 WK 4,000 PSI Pressure Washer With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	3,195.64 -2,873.76	
01 22 23 00-0707 MO 4,000 PSI Pressure Washer With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	13,286.83 -12,386.88	
01 22 23 00-0708 DAY 5,000 PSI Pressure Washer With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	706.13 -574.75	
01 22 23 00-0709 WK 5,000 PSI Pressure Washer With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	3,228.49 -2,873.76	
01 22 23 00-0710 MO 5,000 PSI Pressure Washer With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	13,385.37 -12,386.88	
01 22 23 00-0711 Confined Space Entry Equipment (01 22 23 00-0673) Note: Includes delivery, set-up, and removal.		
01 22 23 00-0712 DAY Ventilation Equipment For Confined Space Note: Includes electric or gas blower and ventilation duct up to 25'.	47.47	
01 22 23 00-0713 WK Ventilation Equipment For Confined Space Note: Includes electric or gas blower and ventilation duct up to 25'.	142.42	
01 22 23 00-0714 MO Ventilation Equipment For Confined Space Note: Includes electric or gas blower and ventilation duct up to 25'.	424.99	
01 22 23 00-0715 DAY Confined Space Air Monitor, Tripod, Harness, Cables, SCBAs And Complete Assembly	32.10	
01 22 23 00-0716 WK Confined Space Air Monitor, Tripod, Harness, Cables, SCBAs And Complete Assembly	96.30	
01 22 23 00-0717 MO Confined Space Air Monitor, Tripod, Harness, Cables, SCBAs And Complete Assembly	288.90	
01 22 23 00-0718 DAY Confined Space Air Monitor Personnel Note: Per person day.	600.96	
01 22 23 00-0719 Material Handling Equipment (01 22 23)		
01 22 23 00-0720 Truck Mounted Hydraulic Cranes (01 22 23 00-0719) Note: Includes full-time operator. Excludes delivery, set-up, and removal.		
01 22 23 00-0721 DAY 6 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	1,069.66 -640.34	
01 22 23 00-0722 WK 6 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	4,502.29 -3,201.71	
01 22 23 00-0723 MO 6 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	17,714.85 -13,800.48	
01 22 23 00-0724 DAY 8 To 9 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	1,183.30 -640.34	
01 22 23 00-0725 WK 8 To 9 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	4,840.06 -3,201.71	
01 22 23 00-0726 MO 8 To 9 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	18,725.01 -13,800.48	
01 22 23 00-0727 DAY 14 To 15 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	1,296.94 -640.34	
01 22 23 00-0728 WK 14 To 15 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	5,177.84 -3,201.71	
01 22 23 00-0729 MO 14 To 15 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	19,735.17 -13,800.48	
01 22 23 00-0730 DAY 20 To 25 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	1,448.47 -640.34	
01 22 23 00-0731 WK 20 To 25 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	5,632.41 -3,201.71	
01 22 23 00-0732 MO 20 To 25 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	21,092.57 -13,800.48	
01 22 23 00-0733 DAY 30 To 35 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	1,587.36 -640.34	
01 22 23 00-0734 WK 30 To 35 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	6,573.12 -3,201.71	
01 22 23 00-0735 MO 30 To 35 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	23,912.18 -13,800.48	
01 22 23 00-0736 DAY 40 To 45 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	1,915.67 -640.34	
01 22 23 00-0737 WK 40 To 45 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	7,747.43 -3,201.71	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0738 MO 40 To 45 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	27,437.64 -13,800.48	
01 22 23 00-0739 DAY 50 To 55 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	2,124.01 -640.34	
01 22 23 00-0740 WK 50 To 55 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	8,479.80 -3,201.71	
01 22 23 00-0741 MO 50 To 55 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	29,639.79 -13,800.48	
01 22 23 00-0742 DAY 60 To 65 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	2,288.16 -640.34	
01 22 23 00-0743 WK 60 To 65 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	9,073.27 -3,201.71	
01 22 23 00-0744 MO 60 To 65 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	31,417.67 -13,800.48	
01 22 23 00-0745 DAY 70 To 75 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	2,452.31 -640.34	
01 22 23 00-0746 WK 70 To 75 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	9,666.73 -3,201.71	
01 22 23 00-0747 MO 70 To 75 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	33,195.55 -13,800.48	
01 22 23 00-0748 DAY 90 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	2,559.64 -640.34	
01 22 23 00-0749 WK 90 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	10,032.92 -3,201.71	
01 22 23 00-0750 MO 90 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	34,306.73 -13,800.48	
01 22 23 00-0751 DAY 100 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	2,704.85 -640.34	
01 22 23 00-0752 WK 100 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	10,575.88 -3,201.71	
01 22 23 00-0753 MO 100 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	35,922.98 -13,800.48	
01 22 23 00-0754 Cable Controlled Lattice Boom, Truck Mounted Mechanical Cranes <small>(01 22 23 00-0719)</small> Note: Includes full-time operator. Excludes delivery, set-up, and removal.		
01 22 23 00-0755 DAY 75 To 80 Ton Lift, Cable Controlled Lattice Boom, Truck Mounted Mechanical Crane With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	2,155.58 -640.34	
01 22 23 00-0756 WK 75 To 80 Ton Lift, Cable Controlled Lattice Boom, Truck Mounted Mechanical Crane With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	8,606.07 -3,201.71	
01 22 23 00-0757 MO 75 To 80 Ton Lift, Cable Controlled Lattice Boom, Truck Mounted Mechanical Crane With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	30,013.55 -13,800.48	
01 22 23 00-0758 DAY 100 To 110 Ton Lift, Cable Controlled Lattice Boom, Truck Mounted Mechanical Crane With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	3,323.58 -640.34	
01 22 23 00-0759 WK 100 To 110 Ton Lift, Cable Controlled Lattice Boom, Truck Mounted Mechanical Crane With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	10,550.62 -3,201.71	
01 22 23 00-0760 MO 100 To 110 Ton Lift, Cable Controlled Lattice Boom, Truck Mounted Mechanical Crane With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	35,847.22 -13,800.48	
01 22 23 00-0761 DAY 125 Ton Lift, Cable Controlled Lattice Boom, Truck Mounted Mechanical Crane With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	3,512.98 -640.34	
01 22 23 00-0762 WK 125 Ton Lift, Cable Controlled Lattice Boom, Truck Mounted Mechanical Crane With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	11,933.28 -3,201.71	
01 22 23 00-0763 MO 125 Ton Lift, Cable Controlled Lattice Boom, Truck Mounted Mechanical Crane With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	39,993.93 -13,800.48	
01 22 23 00-0764 DAY 150 Ton Lift, Cable Controlled Lattice Boom, Truck Mounted Mechanical Crane With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	3,891.79 -640.34	
01 22 23 00-0765 WK 150 Ton Lift, Cable Controlled Lattice Boom, Truck Mounted Mechanical Crane With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	13,315.94 -3,201.71	
01 22 23 00-0766 MO 150 Ton Lift, Cable Controlled Lattice Boom, Truck Mounted Mechanical Crane With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	44,135.58 -13,800.48	
01 22 23 00-0767 DAY 250 Ton Lift, Cable Controlled Lattice Boom, Truck Mounted Mechanical Crane With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	4,251.66 -640.34	
01 22 23 00-0768 WK 250 Ton Lift, Cable Controlled Lattice Boom, Truck Mounted Mechanical Crane With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	16,081.25 -3,201.71	
01 22 23 00-0769 MO 250 Ton Lift, Cable Controlled Lattice Boom, Truck Mounted Mechanical Crane With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	52,439.10 -13,800.48	
01 22 23 00-0770 DAY 300 Ton Lift, Cable Controlled Lattice Boom, Truck Mounted Mechanical Crane With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	4,845.13 -640.34	
01 22 23 00-0771 WK 300 Ton Lift, Cable Controlled Lattice Boom, Truck Mounted Mechanical Crane With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	18,208.90 -3,201.71	
01 22 23 00-0772 MO 300 Ton Lift, Cable Controlled Lattice Boom, Truck Mounted Mechanical Crane With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	58,813.21 -13,800.48	
01 22 23 00-0773 DAY 500 Ton Lift, Cable Controlled Lattice Boom, Truck Mounted Mechanical Crane With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	8,494.33 -640.34	
01 22 23 00-0774 WK 500 Ton Lift, Cable Controlled Lattice Boom, Truck Mounted Mechanical Crane With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	31,214.71 -3,201.71	
01 22 23 00-0775 MO 500 Ton Lift, Cable Controlled Lattice Boom, Truck Mounted Mechanical Crane With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	97,845.79 -13,800.48	
01 22 23 00-0776 Telescopic Boom, Hi-Reach, Rough Terrain Construction Forklifts <small>(01 22 23 00-0719)</small> Note: Includes full-time operator. Excludes delivery, set-up, and removal.		
01 22 23 00-0777 DAY 5,000 LB Telescopic Boom, Hi-Reach, Rough Terrain Construction Forklift With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	1,108.37 -600.96	

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01 22 23 00-0778	WK		5,000 LB Telescopic Boom, Hi-Reach, Rough Terrain Construction Forklift With Full-Time Operator.....	4,246.64	
			<i>For Equipment Without Operator, Deduct</i>	-3,004.81	
01 22 23 00-0779	MO		5,000 LB Telescopic Boom, Hi-Reach, Rough Terrain Construction Forklift With Full-Time Operator.....	15,622.38	
			<i>For Equipment Without Operator, Deduct</i>	-12,951.78	
01 22 23 00-0780	DAY		6,000 LB Telescopic Boom, Hi-Reach, Rough Terrain Construction Forklift With Full-Time Operator.....	1,161.79	
			<i>For Equipment Without Operator, Deduct</i>	-600.96	
01 22 23 00-0781	WK		6,000 LB Telescopic Boom, Hi-Reach, Rough Terrain Construction Forklift With Full-Time Operator.....	4,366.82	
			<i>For Equipment Without Operator, Deduct</i>	-3,004.81	
01 22 23 00-0782	MO		6,000 LB Telescopic Boom, Hi-Reach, Rough Terrain Construction Forklift With Full-Time Operator.....	15,889.44	
			<i>For Equipment Without Operator, Deduct</i>	-12,951.78	
01 22 23 00-0783	DAY		8,000 LB Telescopic Boom, Hi-Reach, Rough Terrain Construction Forklift With Full-Time Operator.....	1,148.43	
			<i>For Equipment Without Operator, Deduct</i>	-600.96	
01 22 23 00-0784	WK		8,000 LB Telescopic Boom, Hi-Reach, Rough Terrain Construction Forklift With Full-Time Operator.....	4,426.90	
			<i>For Equipment Without Operator, Deduct</i>	-3,004.81	
01 22 23 00-0785	MO		8,000 LB Telescopic Boom, Hi-Reach, Rough Terrain Construction Forklift With Full-Time Operator.....	16,290.03	
			<i>For Equipment Without Operator, Deduct</i>	-12,951.78	
01 22 23 00-0786	DAY		10,000 LB Telescopic Boom, Hi-Reach, Rough Terrain Construction Forklift With Full-Time Operator.....	1,301.99	
			<i>For Equipment Without Operator, Deduct</i>	-600.96	
01 22 23 00-0787	WK		10,000 LB Telescopic Boom, Hi-Reach, Rough Terrain Construction Forklift With Full-Time Operator.....	4,827.49	
			<i>For Equipment Without Operator, Deduct</i>	-3,004.81	
01 22 23 00-0788	MO		10,000 LB Telescopic Boom, Hi-Reach, Rough Terrain Construction Forklift With Full-Time Operator.....	17,224.74	
			<i>For Equipment Without Operator, Deduct</i>	-12,951.78	
01 22 23 00-0789			Straight Mast, Rough Terrain Construction Forklifts <small>(01 22 23 00-0719)</small>		
			Note: Includes full-time operator. Excludes delivery, set-up, and removal.		
01 22 23 00-0790	DAY		5,000 LB Straight Mast, Rough Terrain Construction Forklift With Full-Time Operator.....	930.78	
			<i>For Equipment Without Operator, Deduct</i>	-600.96	
			<i>For Propane Instead Of Gas Or Diesel, Add</i>	65.96	
01 22 23 00-0791	WK		5,000 LB Straight Mast, Rough Terrain Construction Forklift With Full-Time Operator.....	3,905.47	
			<i>For Equipment Without Operator, Deduct</i>	-3,004.81	
			<i>For Propane Instead Of Gas Or Diesel, Add</i>	180.13	
01 22 23 00-0792	MO		5,000 LB Straight Mast, Rough Terrain Construction Forklift With Full-Time Operator.....	15,013.15	
			<i>For Equipment Without Operator, Deduct</i>	-12,951.78	
			<i>For Propane Instead Of Gas Or Diesel, Add</i>	412.27	
01 22 23 00-0793	DAY		6,000 LB Straight Mast, Rough Terrain Construction Forklift With Full-Time Operator.....	948.14	
			<i>For Equipment Without Operator, Deduct</i>	-600.96	
			<i>For Propane Instead Of Gas Or Diesel, Add</i>	69.44	
01 22 23 00-0794	WK		6,000 LB Straight Mast, Rough Terrain Construction Forklift With Full-Time Operator.....	3,952.87	
			<i>For Equipment Without Operator, Deduct</i>	-3,004.81	
			<i>For Propane Instead Of Gas Or Diesel, Add</i>	189.61	
01 22 23 00-0795	MO		6,000 LB Straight Mast, Rough Terrain Construction Forklift With Full-Time Operator.....	15,121.64	
			<i>For Equipment Without Operator, Deduct</i>	-12,951.78	
			<i>For Propane Instead Of Gas Or Diesel, Add</i>	433.97	
01 22 23 00-0796	DAY		8,000 LB Straight Mast, Rough Terrain Construction Forklift With Full-Time Operator.....	1,041.61	
			<i>For Equipment Without Operator, Deduct</i>	-600.96	
			<i>For Propane Instead Of Gas Or Diesel, Add</i>	88.13	
01 22 23 00-0797	WK		8,000 LB Straight Mast, Rough Terrain Construction Forklift With Full-Time Operator.....	4,213.26	
			<i>For Equipment Without Operator, Deduct</i>	-3,004.81	
			<i>For Propane Instead Of Gas Or Diesel, Add</i>	241.69	
01 22 23 00-0798	MO		8,000 LB Straight Mast, Rough Terrain Construction Forklift With Full-Time Operator.....	15,722.53	
			<i>For Equipment Without Operator, Deduct</i>	-12,951.78	
			<i>For Propane Instead Of Gas Or Diesel, Add</i>	554.15	
01 22 23 00-0799	DAY		10,000 LB Straight Mast, Rough Terrain Construction Forklift With Full-Time Operator.....	1,093.08	
			<i>For Equipment Without Operator, Deduct</i>	-600.96	
			<i>For Propane Instead Of Gas Or Diesel, Add</i>	98.42	
01 22 23 00-0800	WK		10,000 LB Straight Mast, Rough Terrain Construction Forklift With Full-Time Operator.....	4,190.96	
			<i>For Equipment Without Operator, Deduct</i>	-3,004.81	
			<i>For Propane Instead Of Gas Or Diesel, Add</i>	237.23	
01 22 23 00-0801	MO		10,000 LB Straight Mast, Rough Terrain Construction Forklift With Full-Time Operator.....	15,904.53	
			<i>For Equipment Without Operator, Deduct</i>	-12,951.78	
			<i>For Propane Instead Of Gas Or Diesel, Add</i>	590.55	
01 22 23 00-0802			Straight Mast, Industrial Warehouse Forklifts <small>(01 22 23 00-0719)</small>		
			Note: Includes full-time operator. Excludes delivery, set-up, and removal.		
01 22 23 00-0803	DAY		5,000 LB Straight Mast, Industrial Warehouse Forklift With Full-Time Operator.....	881.37	
			<i>For Equipment Without Operator, Deduct</i>	-600.96	
			<i>For Propane Instead Of Gas Or Diesel, Add</i>	56.08	
01 22 23 00-0804	WK		5,000 LB Straight Mast, Industrial Warehouse Forklift With Full-Time Operator.....	3,645.75	
			<i>For Equipment Without Operator, Deduct</i>	-3,004.81	
			<i>For Propane Instead Of Gas Or Diesel, Add</i>	128.19	
01 22 23 00-0805	MO		5,000 LB Straight Mast, Industrial Warehouse Forklift With Full-Time Operator.....	14,487.38	
			<i>For Equipment Without Operator, Deduct</i>	-12,951.78	
			<i>For Propane Instead Of Gas Or Diesel, Add</i>	307.12	
01 22 23 00-0806	DAY		6,000 LB Straight Mast, Industrial Warehouse Forklift With Full-Time Operator.....	888.05	
			<i>For Equipment Without Operator, Deduct</i>	-600.96	
			<i>For Propane Instead Of Gas Or Diesel, Add</i>	57.42	
01 22 23 00-0807	WK		6,000 LB Straight Mast, Industrial Warehouse Forklift With Full-Time Operator.....	3,665.78	
			<i>For Equipment Without Operator, Deduct</i>	-3,004.81	
			<i>For Propane Instead Of Gas Or Diesel, Add</i>	132.19	
01 22 23 00-0808	MO		6,000 LB Straight Mast, Industrial Warehouse Forklift With Full-Time Operator.....	14,534.11	
			<i>For Equipment Without Operator, Deduct</i>	-12,951.78	
			<i>For Propane Instead Of Gas Or Diesel, Add</i>	316.47	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0809 DAY 8,000 LB Straight Mast, Industrial Warehouse Forklift With Full-Time Operator.....	1,028.26	
<i>For Equipment Without Operator, Deduct</i>	-600.96	
<i>For Propane Instead Of Gas Or Diesel, Add</i>	85.46	
01 22 23 00-0810 WK 8,000 LB Straight Mast, Industrial Warehouse Forklift With Full-Time Operator.....	3,972.90	
<i>For Equipment Without Operator, Deduct</i>	-3,004.81	
<i>For Propane Instead Of Gas Or Diesel, Add</i>	193.62	
01 22 23 00-0811 MO 8,000 LB Straight Mast, Industrial Warehouse Forklift With Full-Time Operator.....	15,288.56	
<i>For Equipment Without Operator, Deduct</i>	-12,951.78	
<i>For Propane Instead Of Gas Or Diesel, Add</i>	467.36	
01 22 23 00-0812 DAY 12,000 LB Straight Mast, Industrial Warehouse Forklift With Full-Time Operator.....	1,041.61	
<i>For Equipment Without Operator, Deduct</i>	-600.96	
<i>For Propane Instead Of Gas Or Diesel, Add</i>	88.13	
01 22 23 00-0813 WK 12,000 LB Straight Mast, Industrial Warehouse Forklift With Full-Time Operator.....	4,086.40	
<i>For Equipment Without Operator, Deduct</i>	-3,004.81	
<i>For Propane Instead Of Gas Or Diesel, Add</i>	216.32	
01 22 23 00-0814 MO 12,000 LB Straight Mast, Industrial Warehouse Forklift With Full-Time Operator.....	15,689.14	
<i>For Equipment Without Operator, Deduct</i>	-12,951.78	
<i>For Propane Instead Of Gas Or Diesel, Add</i>	547.47	
01 22 23 00-0815 DAY 15,000 LB Straight Mast, Industrial Warehouse Forklift With Full-Time Operator.....	1,161.79	
<i>For Equipment Without Operator, Deduct</i>	-600.96	
<i>For Propane Instead Of Gas Or Diesel, Add</i>	112.17	
01 22 23 00-0816 WK 15,000 LB Straight Mast, Industrial Warehouse Forklift With Full-Time Operator.....	4,280.02	
<i>For Equipment Without Operator, Deduct</i>	-3,004.81	
<i>For Propane Instead Of Gas Or Diesel, Add</i>	255.04	
01 22 23 00-0817 MO 15,000 LB Straight Mast, Industrial Warehouse Forklift With Full-Time Operator.....	16,022.97	
<i>For Equipment Without Operator, Deduct</i>	-12,951.78	
<i>For Propane Instead Of Gas Or Diesel, Add</i>	614.24	
01 22 23 00-0818 Chain Hoists <small>(01 22 23 00-0719)</small>		
<small>Note: Includes delivery to job site and pick-up when complete.</small>		
01 22 23 00-0819 DAY 1 Ton, 20' Lift, Manual Chain Hoist.....	14.19	
01 22 23 00-0820 WK 1 Ton, 20' Lift, Manual Chain Hoist.....	38.32	
01 22 23 00-0821 MO 1 Ton, 20' Lift, Manual Chain Hoist.....	96.51	
01 22 23 00-0822 DAY 3 Ton, 20' Lift, Manual Chain Hoist.....	31.22	
01 22 23 00-0823 WK 3 Ton, 20' Lift, Manual Chain Hoist.....	75.22	
01 22 23 00-0824 MO 3 Ton, 20' Lift, Manual Chain Hoist.....	187.33	
01 22 23 00-0825 DAY 5 Ton, 20' Lift, Manual Chain Hoist.....	45.41	
01 22 23 00-0826 WK 5 Ton, 20' Lift, Manual Chain Hoist.....	109.28	
01 22 23 00-0827 MO 5 Ton, 20' Lift, Manual Chain Hoist.....	272.49	
01 22 23 00-0828 DAY 2 Ton, 20' Lift, 2-Speed, 230/460 Volt, 60 Cycle, Electric Chain Hoist.....	90.83	
01 22 23 00-0829 WK 2 Ton, 20' Lift, 2-Speed, 230/460 Volt, 60 Cycle, Electric Chain Hoist.....	218.56	
01 22 23 00-0830 MO 2 Ton, 20' Lift, 2-Speed, 230/460 Volt, 60 Cycle, Electric Chain Hoist.....	544.97	
01 22 23 00-0831 DAY 3 Ton, 20' Lift, 2-Speed, 230/460 Volt, 60 Cycle, Electric Chain Hoist.....	102.18	
01 22 23 00-0832 WK 3 Ton, 20' Lift, 2-Speed, 230/460 Volt, 60 Cycle, Electric Chain Hoist.....	246.94	
01 22 23 00-0833 MO 3 Ton, 20' Lift, 2-Speed, 230/460 Volt, 60 Cycle, Electric Chain Hoist.....	613.09	
01 22 23 00-0834 DAY 5 Ton, 20' Lift, 2-Speed, 230/460 Volt, 60 Cycle, Electric Chain Hoist.....	127.73	
01 22 23 00-0835 WK 5 Ton, 20' Lift, 2-Speed, 230/460 Volt, 60 Cycle, Electric Chain Hoist.....	307.97	
01 22 23 00-0836 MO 5 Ton, 20' Lift, 2-Speed, 230/460 Volt, 60 Cycle, Electric Chain Hoist.....	766.37	
01 22 23 00-0837 Pumping Equipment <small>(01 22 23)</small>		
01 22 23 00-0838 Gas Powered Portable Centrifugal Pumps <small>(01 22 23 00-0837)</small>		
<small>Note: Includes delivery, set-up, and removal. Excludes operator. See CSI section 01 22 23 00-0862 for larger diameter pumps.</small>		
01 22 23 00-0839 DAY 8,500 GPH, 2" Discharge, 108' Maximum Head, Gas Powered Portable Centrifugal Pump	59.29	
01 22 23 00-0840 WK 8,500 GPH, 2" Discharge, 108' Maximum Head, Gas Powered Portable Centrifugal Pump	133.41	
01 22 23 00-0841 MO 8,500 GPH, 2" Discharge, 108' Maximum Head, Gas Powered Portable Centrifugal Pump	355.75	
01 22 23 00-0842 DAY 16,500 GPH, 3" Discharge, 85' Maximum Head, Gas Powered Portable Centrifugal Pump	71.15	
01 22 23 00-0843 WK 16,500 GPH, 3" Discharge, 85' Maximum Head, Gas Powered Portable Centrifugal Pump	160.09	
01 22 23 00-0844 MO 16,500 GPH, 3" Discharge, 85' Maximum Head, Gas Powered Portable Centrifugal Pump	426.90	
01 22 23 00-0845 Gas Powered Portable Diaphragm Pumps <small>(01 22 23 00-0837)</small>		
<small>Note: Includes delivery, set-up, and removal. Excludes operator.</small>		
01 22 23 00-0846 DAY 3,000 GPH, 2" Discharge, 25' Maximum Head, Gas Powered Portable Diaphragm Pump	68.19	
01 22 23 00-0847 WK 3,000 GPH, 2" Discharge, 25' Maximum Head, Gas Powered Portable Diaphragm Pump	192.70	
01 22 23 00-0848 MO 3,000 GPH, 2" Discharge, 25' Maximum Head, Gas Powered Portable Diaphragm Pump	489.16	
01 22 23 00-0849 DAY 5,200 GPH, 3" Discharge, 25' Maximum Head, Gas Powered Portable Diaphragm Pump	83.01	
01 22 23 00-0850 WK 5,200 GPH, 3" Discharge, 25' Maximum Head, Gas Powered Portable Diaphragm Pump	222.34	
01 22 23 00-0851 MO 5,200 GPH, 3" Discharge, 25' Maximum Head, Gas Powered Portable Diaphragm Pump	629.98	
01 22 23 00-0852 Gas Powered Portable Trash Pumps <small>(01 22 23 00-0837)</small>		
<small>Note: Includes delivery, set-up, and removal. Excludes operator.</small>		
01 22 23 00-0853 DAY 12,000 GPH, 2" Discharge, 100' Maximum Head, Gas Powered Portable Trash Pump.....	85.97	
01 22 23 00-0854 WK 12,000 GPH, 2" Discharge, 100' Maximum Head, Gas Powered Portable Trash Pump.....	177.88	
01 22 23 00-0855 MO 12,000 GPH, 2" Discharge, 100' Maximum Head, Gas Powered Portable Trash Pump.....	533.63	
01 22 23 00-0856 DAY 25,000 GPH, 3" Discharge, 90' Maximum Head, Gas Powered Portable Trash Pump.....	85.97	
01 22 23 00-0857 WK 25,000 GPH, 3" Discharge, 90' Maximum Head, Gas Powered Portable Trash Pump.....	229.76	
01 22 23 00-0858 MO 25,000 GPH, 3" Discharge, 90' Maximum Head, Gas Powered Portable Trash Pump.....	629.98	
01 22 23 00-0859 DAY 35,000 GPH, 4" Discharge, 106' Maximum Head, Gas Powered Portable Trash Pump.....	136.37	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0860	WK		35,000 GPH, 4" Discharge, 106' Maximum Head, Gas Powered Portable Trash Pump.....	385.40	
01 22 23 00-0861	MO		35,000 GPH, 4" Discharge, 106' Maximum Head, Gas Powered Portable Trash Pump.....	1,119.14	
01 22 23 00-0862			Diesel Powered Portable Trash Pumps (01 22 23 00-0837)		
			Note: Includes delivery, set-up, and removal. Excludes operator.		
01 22 23 00-0863	DAY		63,000 GPH, 4" Discharge, 153' Maximum Head, Diesel Powered Portable Trash Pump	266.81	
01 22 23 00-0864	WK		63,000 GPH, 4" Discharge, 153' Maximum Head, Diesel Powered Portable Trash Pump	726.33	
01 22 23 00-0865	MO		63,000 GPH, 4" Discharge, 153' Maximum Head, Diesel Powered Portable Trash Pump	3,164.71	
01 22 23 00-0866	DAY		156,000 GPH, 6" Discharge, 160' Maximum Head, Diesel Powered Portable Trash Pump	407.63	
01 22 23 00-0867	WK		156,000 GPH, 6" Discharge, 160' Maximum Head, Diesel Powered Portable Trash Pump	1,067.26	
01 22 23 00-0868	MO		156,000 GPH, 6" Discharge, 160' Maximum Head, Diesel Powered Portable Trash Pump	2,838.60	
01 22 23 00-0869	DAY		246,000 GPH, 10" Discharge, 160' Maximum Head, Diesel Powered Portable Trash Pump	554.38	
01 22 23 00-0870	WK		246,000 GPH, 10" Discharge, 160' Maximum Head, Diesel Powered Portable Trash Pump	1,483.78	
01 22 23 00-0871	MO		246,000 GPH, 10" Discharge, 160' Maximum Head, Diesel Powered Portable Trash Pump	3,969.60	
01 22 23 00-0872	DAY		379,000 GPH, 12" Discharge, 104' Maximum Head, Diesel Powered Portable Trash Pump	717.43	
01 22 23 00-0873	WK		379,000 GPH, 12" Discharge, 104' Maximum Head, Diesel Powered Portable Trash Pump	1,832.12	
01 22 23 00-0874	MO		379,000 GPH, 12" Discharge, 104' Maximum Head, Diesel Powered Portable Trash Pump	5,380.75	
01 22 23 00-0875			Diesel Powered Portable Silenced Environmental Trash Pumps (01 22 23 00-0837)		
			Note: Includes delivery, set-up, and removal. Excludes operator.		
01 22 23 00-0876	DAY		90,000 GPH, 4" Discharge, 330' Maximum Head, Diesel Powered Portable Silenced Environmental Trash Pump.....	380.95	
01 22 23 00-0877	WK		90,000 GPH, 4" Discharge, 330' Maximum Head, Diesel Powered Portable Silenced Environmental Trash Pump.....	867.15	
01 22 23 00-0878	MO		90,000 GPH, 4" Discharge, 330' Maximum Head, Diesel Powered Portable Silenced Environmental Trash Pump.....	2,703.72	
01 22 23 00-0879	DAY		136,800 GPH, 6" Discharge, 158' Maximum Head, Diesel Powered Portable Silenced Environmental Trash Pump.....	466.92	
01 22 23 00-0880	WK		136,800 GPH, 6" Discharge, 158' Maximum Head, Diesel Powered Portable Silenced Environmental Trash Pump.....	1,163.61	
01 22 23 00-0881	MO		136,800 GPH, 6" Discharge, 158' Maximum Head, Diesel Powered Portable Silenced Environmental Trash Pump.....	3,164.71	
01 22 23 00-0882	DAY		246,000 GPH, 10" Discharge, 158' Maximum Head, Diesel Powered Portable Silenced Environmental Trash Pump.....	563.27	
01 22 23 00-0883	WK		246,000 GPH, 10" Discharge, 158' Maximum Head, Diesel Powered Portable Silenced Environmental Trash Pump.....	1,666.11	
01 22 23 00-0884	MO		246,000 GPH, 10" Discharge, 158' Maximum Head, Diesel Powered Portable Silenced Environmental Trash Pump.....	4,647.01	
01 22 23 00-0885	DAY		510,000 GPH, 12" Discharge, 200' Maximum Head, Diesel Powered Portable Silenced Environmental Trash Pump.....	847.88	
01 22 23 00-0886	WK		510,000 GPH, 12" Discharge, 200' Maximum Head, Diesel Powered Portable Silenced Environmental Trash Pump.....	2,165.64	
01 22 23 00-0887	MO		510,000 GPH, 12" Discharge, 200' Maximum Head, Diesel Powered Portable Silenced Environmental Trash Pump.....	6,359.07	
01 22 23 00-0888			3 Phase Electric Submersible Pumps (01 22 23 00-0837)		
			Note: Includes delivery, set-up, and removal. Excludes operator.		
01 22 23 00-0889	DAY		24,000 GPH, 3" Discharge, 78' Maximum Head, 3 Phase Electric Submersible Pump	148.23	
01 22 23 00-0890	WK		24,000 GPH, 3" Discharge, 78' Maximum Head, 3 Phase Electric Submersible Pump	370.58	
01 22 23 00-0891	MO		24,000 GPH, 3" Discharge, 78' Maximum Head, 3 Phase Electric Submersible Pump	1,111.72	
01 22 23 00-0892	DAY		49,800 GPH, 4" Discharge, 98' Maximum Head, 3 Phase Electric Submersible Pump	195.66	
01 22 23 00-0893	WK		49,800 GPH, 4" Discharge, 98' Maximum Head, 3 Phase Electric Submersible Pump	489.16	
01 22 23 00-0894	MO		49,800 GPH, 4" Discharge, 98' Maximum Head, 3 Phase Electric Submersible Pump	1,467.48	
01 22 23 00-0895			Suction Hose With Couplings (01 22 23 00-0837)		
			Note: Includes delivery, set-up, and removal.		
01 22 23 00-0896	DAY		1-1/2" Inside Diameter, 20' Length, Suction Hose With Couplings.....	10.23	
01 22 23 00-0897	WK		1-1/2" Inside Diameter, 20' Length, Suction Hose With Couplings.....	25.57	
01 22 23 00-0898	MO		1-1/2" Inside Diameter, 20' Length, Suction Hose With Couplings.....	63.07	
01 22 23 00-0899	DAY		2" Inside Diameter, 20' Length, Suction Hose With Couplings.....	11.93	
01 22 23 00-0900	WK		2" Inside Diameter, 20' Length, Suction Hose With Couplings.....	27.27	
01 22 23 00-0901	MO		2" Inside Diameter, 20' Length, Suction Hose With Couplings.....	66.48	
01 22 23 00-0902	DAY		3" Inside Diameter, 20' Length, Suction Hose With Couplings.....	25.57	
01 22 23 00-0903	WK		3" Inside Diameter, 20' Length, Suction Hose With Couplings.....	56.25	
01 22 23 00-0904	MO		3" Inside Diameter, 20' Length, Suction Hose With Couplings.....	151.71	
01 22 23 00-0905	DAY		4" Inside Diameter, 20' Length, Suction Hose With Couplings.....	32.39	
01 22 23 00-0906	WK		4" Inside Diameter, 20' Length, Suction Hose With Couplings.....	73.30	
01 22 23 00-0907	MO		4" Inside Diameter, 20' Length, Suction Hose With Couplings.....	196.03	
01 22 23 00-0908	DAY		6" Inside Diameter, 20' Length, Suction Hose With Couplings.....	42.62	
01 22 23 00-0909	WK		6" Inside Diameter, 20' Length, Suction Hose With Couplings.....	98.87	
01 22 23 00-0910	MO		6" Inside Diameter, 20' Length, Suction Hose With Couplings.....	223.31	
01 22 23 00-0911			Discharge Hose With Couplings (01 22 23 00-0837)		
			Note: Includes delivery, set-up, and removal.		
01 22 23 00-0912	DAY		1-1/2" Inside Diameter, 50' Length, Discharge Hose With Couplings	14.82	
01 22 23 00-0913	WK		1-1/2" Inside Diameter, 50' Length, Discharge Hose With Couplings	31.13	
01 22 23 00-0914	MO		1-1/2" Inside Diameter, 50' Length, Discharge Hose With Couplings	66.70	
01 22 23 00-0915	DAY		2" Inside Diameter, 50' Length, Discharge Hose With Couplings.....	23.72	
01 22 23 00-0916	WK		2" Inside Diameter, 50' Length, Discharge Hose With Couplings.....	34.09	
01 22 23 00-0917	MO		2" Inside Diameter, 50' Length, Discharge Hose With Couplings.....	71.15	
01 22 23 00-0918	DAY		3" Inside Diameter, 50' Length, Discharge Hose With Couplings.....	23.72	
01 22 23 00-0919	WK		3" Inside Diameter, 50' Length, Discharge Hose With Couplings.....	47.43	
01 22 23 00-0920	MO		3" Inside Diameter, 50' Length, Discharge Hose With Couplings.....	93.38	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0921 DAY 4" Inside Diameter, 50' Length, Discharge Hose With Couplings	32.61	
01 22 23 00-0922 WK 4" Inside Diameter, 50' Length, Discharge Hose With Couplings	85.97	
01 22 23 00-0923 MO 4" Inside Diameter, 50' Length, Discharge Hose With Couplings	173.43	
01 22 23 00-0924 DAY 6" Inside Diameter, 50' Length, Discharge Hose With Couplings	65.22	
01 22 23 00-0925 WK 6" Inside Diameter, 50' Length, Discharge Hose With Couplings	133.41	
01 22 23 00-0926 MO 6" Inside Diameter, 50' Length, Discharge Hose With Couplings	281.64	
01 22 23 00-0927 Hydraulic Submersible Pumps (01 22 23 00-0837)		
01 22 23 00-0928 Hydraulic Submersible Pumps (01 22 23 00-0927)		
Note: Includes delivery, set-up, and removal. Excludes operator.		
01 22 23 00-0929 DAY 60,000 GPH, 4" Discharge, 115' Maximum Head, Hydraulic Submersible Pump	97.83	
01 22 23 00-0930 WK 60,000 GPH, 4" Discharge, 115' Maximum Head, Hydraulic Submersible Pump	262.37	
01 22 23 00-0931 MO 60,000 GPH, 4" Discharge, 115' Maximum Head, Hydraulic Submersible Pump	733.74	
01 22 23 00-0932 DAY 132,000 GPH, 6" Discharge, 90' Maximum Head, Hydraulic Submersible Pump	124.51	
01 22 23 00-0933 WK 132,000 GPH, 6" Discharge, 90' Maximum Head, Hydraulic Submersible Pump	320.18	
01 22 23 00-0934 MO 132,000 GPH, 6" Discharge, 90' Maximum Head, Hydraulic Submersible Pump	978.32	
01 22 23 00-0935 Hydraulic Submersible Pump Diesel Power Packs (01 22 23 00-0927)		
Note: Includes delivery, set-up, and removal. Excludes operator.		
01 22 23 00-0936 DAY 100 HP, Hydraulic Submersible Pump Diesel Power Pack	226.05	
01 22 23 00-0937 WK 100 HP, Hydraulic Submersible Pump Diesel Power Pack	674.45	
01 22 23 00-0938 MO 100 HP, Hydraulic Submersible Pump Diesel Power Pack	1,778.76	
01 22 23 00-0939 Temporary Building Services (01 22 23)		
01 22 23 00-0940 Boilers (01 22 23 00-0939)		
Note: Excludes operator, delivery, set-up, and removal.		
01 22 23 00-0941 Electric Boilers (01 22 23 00-0940)		
01 22 23 00-0942 MO 40 MBH, 12 KW Electric Boiler Rental	1,381.82	
01 22 23 00-0943 MO 60 MBH, 20 KW Electric Boiler Rental	1,507.46	
01 22 23 00-0944 MO 95 MBH, 30 KW Electric Boiler Rental	1,570.28	
01 22 23 00-0945 MO 135 MBH, 40 KW Electric Boiler Rental	1,758.68	
01 22 23 00-0946 MO 165 MBH, 50 KW Electric Boiler Rental	2,449.59	
01 22 23 00-0947 MO 215 MBH, 60 KW Electric Boiler Rental	2,826.46	
01 22 23 00-0948 MO 365 MBH, 100 KW Electric Boiler Rental	3,705.83	
01 22 23 00-0949 MO 510 MBH, 150 KW Electric Boiler Rental	4,522.37	
01 22 23 00-0950 Oil/Gas Fired Boilers (01 22 23 00-0940)		
01 22 23 00-0951 MO Up To 100 HP Gas/Oil Dual Fuel Boiler Rental	5,000.00	
<i>For >3 Months Rental, Deduct</i>		
	-750.00	
01 22 23 00-0952 MO >100 HP To 250 HP Gas/Oil Dual Fuel Boiler Rental	6,500.00	
<i>For >3 Months Rental, Deduct</i>		
	-975.00	
01 22 23 00-0953 MO >250 HP To 500 HP Gas/Oil Dual Fuel Boiler Rental	10,500.00	
<i>For >3 Months Rental, Deduct</i>		
	-1,575.00	
01 22 23 00-0954 MO >500 HP To 800 HP Gas/Oil Dual Fuel Boiler Rental	14,500.00	
<i>For >3 Months Rental, Deduct</i>		
	-2,175.00	
01 22 23 00-0955 Oil Fired Boilers (01 22 23 00-0940)		
01 22 23 00-0956 MO 250 HP Oil Fired Boiler Rental	3,880.85	
01 22 23 00-0957 MO 350 HP Oil Fired Boiler Rental	5,174.47	
01 22 23 00-0958 MO 500 HP Oil Fired Boiler Rental	6,468.09	
01 22 23 00-0959 MO 600 HP Oil Fired Boiler Rental	7,114.89	
01 22 23 00-0960 Boilers Setup (01 22 23 00-0940)		
01 22 23 00-0961 EA Setup Rental Boiler	3,887.13	
Note: Includes delivery, setup, installation, startup, commissioning, decommissioning, and pickup. Excludes piping and electrical hookup. Excludes crane.		
01 22 23 00-0962 Chillers (01 22 23 00-0939)		
Note: Excludes operator, delivery, set-up, and removal.		
01 22 23 00-0963 Air Cooled Chillers (01 22 23 00-0962)		
01 22 23 00-0964 MO 25 Ton Air Cooled Chiller Rental	2,357.06	
<i>For >3 To 6 Month Rental, Deduct</i>		
	-353.56	
<i>For >6 Month Rental, Deduct</i>		
	-589.27	
01 22 23 00-0965 MO 40 Ton Air Cooled Chiller Rental	3,771.31	
<i>For >3 To 6 Month Rental, Deduct</i>		
	-565.70	
<i>For >6 Month Rental, Deduct</i>		
	-942.83	
01 22 23 00-0966 MO 60 Ton Air Cooled Chiller Rental	4,612.73	
<i>For >3 To 6 Month Rental, Deduct</i>		
	-691.91	
<i>For >6 Month Rental, Deduct</i>		
	-1,153.18	
01 22 23 00-0967 MO 80 Ton Air Cooled Chiller Rental	5,454.16	
<i>For >3 To 6 Month Rental, Deduct</i>		
	-818.12	
<i>For >6 Month Rental, Deduct</i>		
	-1,363.54	

01	General Requirements
01 20	Price And Payment Procedures
01 22	Unit Prices



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0968 MO 100 Ton Air Cooled Chiller Rental.....	6,295.59	
For >3 To 6 Month Rental, Deduct	-944.34	
For >6 Month Rental, Deduct	-1,573.90	
01 22 23 00-0969 MO 125 Ton Air Cooled Chiller Rental.....	7,293.56	
For >3 To 6 Month Rental, Deduct	-1,094.03	
For >6 Month Rental, Deduct	-1,823.39	
01 22 23 00-0970 MO 155 Ton Air Cooled Chiller Rental.....	8,823.42	
For >3 To 6 Month Rental, Deduct	-1,323.51	
For >6 Month Rental, Deduct	-2,205.86	
01 22 23 00-0971 MO 170 Ton Air Cooled Chiller Rental.....	9,435.37	
For >3 To 6 Month Rental, Deduct	-1,415.31	
For >6 Month Rental, Deduct	-2,358.84	
01 22 23 00-0972 MO 200 Ton Air Cooled Chiller Rental.....	10,838.94	
For >3 To 6 Month Rental, Deduct	-1,625.84	
For >6 Month Rental, Deduct	-2,709.74	
01 22 23 00-0973 MO 250 Ton Air Cooled Chiller Rental.....	12,897.15	
For >3 To 6 Month Rental, Deduct	-1,934.57	
For >6 Month Rental, Deduct	-3,224.29	
01 22 23 00-0974 MO 300 Ton Air Cooled Chiller Rental.....	15,049.64	
Note: Includes trailer.		
For >3 To 6 Month Rental, Deduct	-2,257.45	
For >6 Month Rental, Deduct	-3,762.41	
01 22 23 00-0975 MO 400 Ton Air Cooled Chiller Rental.....	19,852.72	
Note: Includes trailer, pump and 200' of 6" hose.		
For >3 To 6 Month Rental, Deduct	-2,977.91	
For >6 Month Rental, Deduct	-4,963.18	
01 22 23 00-0976 MO 500 Ton Air Cooled Chiller Rental.....	24,573.96	
Note: Includes trailer, pump and 200' of 6" hose.		
For >3 To 6 Month Rental, Deduct	-3,686.09	
For >6 Month Rental, Deduct	-6,143.49	
01 22 23 00-0977 EA Setup Air Cooled Chiller Rental Unit.....	2,702.03	
Note: Includes delivery, setup, installation, refrigerant charge, startup, commissioning, decommissioning, recovery of refrigerant and pickup. Excludes piping and electrical hookup. Excludes crane if off-loaded.		
01 22 23 00-0978 Chiller Rental Accessories (01 22 23 00-0962)		
01 22 23 00-0979 MO 4" x 25' Flexible Water Hose For Chiller Rental.....	42.00	
01 22 23 00-0980 MO 6" x 25' Flexible Water Hose For Chiller Rental.....	52.50	
01 22 23 00-0981 Cooling Tower (01 22 23 00-0939)		
Note: Excludes operator, delivery, set-up, and removal.		
01 22 23 00-0982 MO 100 Ton Cooling Tower Rental.....	2,163.00	
For >3 To 6 Months Rental, Deduct	-324.45	
For >6 Months Rental, Deduct	-540.75	
01 22 23 00-0983 MO 200 Ton Cooling Tower Rental.....	3,937.50	
For >3 To 6 Months Rental, Deduct	-590.63	
For >6 Months Rental, Deduct	-984.38	
01 22 23 00-0984 MO 250 Ton Cooling Tower Rental.....	4,459.04	
For >3 To 6 Months Rental, Deduct	-668.86	
For >6 Months Rental, Deduct	-1,114.76	
01 22 23 00-0985 MO 300 Ton Cooling Tower Rental.....	5,040.00	
For >3 To 6 Months Rental, Deduct	-756.00	
For >6 Months Rental, Deduct	-1,260.00	
01 22 23 00-0986 MO 400 Ton Cooling Tower Rental.....	6,300.00	
For >3 To 6 Months Rental, Deduct	-945.00	
For >6 Months Rental, Deduct	-1,575.00	
01 22 23 00-0987 MO 500 Ton Cooling Tower Rental.....	7,365.78	
For >3 To 6 Months Rental, Deduct	-1,104.87	
For >6 Months Rental, Deduct	-1,841.45	
01 22 23 00-0988 MO Setup Rental Cooling Tower.....	2,702.03	
Note: Includes delivery, setup, installation, startup, commissioning, decommissioning, and pickup. Excludes piping and electrical hookup. Excludes crane.		
01 22 23 00-0989 Emergency Cooler/Freezer (01 22 23 00-0939)		
Note: Excludes utility connection, delivery, set-up, and removal. Cooler 115V or 230V, freezer 208/230V, combo 115V or 230V.		
01 22 23 00-0990 DAY 8 x 6 x 7 Emergency Cooler Rental.....	90.00	
01 22 23 00-0991 WK 8 x 6 x 7 Emergency Cooler Rental.....	480.00	
01 22 23 00-0992 DAY 10 x 7 x 7 Emergency Cooler Rental.....	180.00	
01 22 23 00-0993 WK 10 x 7 x 7 Emergency Cooler Rental.....	720.00	
01 22 23 00-0994 MO 10 x 7 x 7 Emergency Cooler Rental.....	1,800.00	
01 22 23 00-0995 DAY 10 x 7 x 7 Emergency Freezer Rental.....	210.00	
01 22 23 00-0996 WK 10 x 7 x 7 Emergency Freezer Rental.....	840.00	
01 22 23 00-0997 MO 10 x 7 x 7 Emergency Freezer Rental.....	2,160.00	
01 22 23 00-0998 DAY 6 x 8 x 7 Or 6 x 6 x 7, Emergency Combo Cooler/Freezer Rental.....	240.00	
01 22 23 00-0999 WK 6 x 8 x 7 Or 6 x 6 x 7, Emergency Combo Cooler/Freezer Rental.....	960.00	
01 22 23 00-1000 MO 6 x 8 x 7 Or 6 x 6 x 7, Emergency Combo Cooler/Freezer Rental.....	2,400.00	
01 22 23 00-1001 Portable Spot Cooling Units (01 22 23 00-0939)		
Note: Includes delivery to job site, connection to existing system and pick-up when complete. Excludes operator.		
01 22 23 00-1002 DAY 1 Ton Portable Spot Cooling Unit.....	125.00	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-1003 WK 1 Ton Portable Spot Cooling Unit	275.00	
01 22 23 00-1004 MO 1 Ton Portable Spot Cooling Unit	550.00	
01 22 23 00-1005 DAY 2 Ton Portable Spot Cooling Unit	200.00	
01 22 23 00-1006 WK 2 Ton Portable Spot Cooling Unit	400.00	
01 22 23 00-1007 MO 2 Ton Portable Spot Cooling Unit	900.00	
01 22 23 00-1008 DAY 3 Ton Portable Spot Cooling Unit	300.00	
01 22 23 00-1009 WK 3 Ton Portable Spot Cooling Unit	600.00	
01 22 23 00-1010 MO 3 Ton Portable Spot Cooling Unit	1,200.00	
01 22 23 00-1011 DAY 5 Ton Portable Spot Cooling Unit	350.00	
01 22 23 00-1012 WK 5 Ton Portable Spot Cooling Unit	700.00	
01 22 23 00-1013 MO 5 Ton Portable Spot Cooling Unit	1,600.00	
01 22 23 00-1014 DAY 10 Ton Portable Spot Cooling Unit	750.00	
01 22 23 00-1015 WK 10 Ton Portable Spot Cooling Unit	1,200.00	
01 22 23 00-1016 MO 10 Ton Portable Spot Cooling Unit	2,400.00	
01 22 23 00-1017 DAY 20 Ton Portable Spot Cooling Unit	1,000.00	
01 22 23 00-1018 WK 20 Ton Portable Spot Cooling Unit	1,750.00	
01 22 23 00-1019 MO 20 Ton Portable Spot Cooling Unit	3,750.00	
01 22 23 00-1020 DAY 25 Ton Portable Spot Cooling Unit	800.00	
01 22 23 00-1021 WK 25 Ton Portable Spot Cooling Unit	1,700.00	
01 22 23 00-1022 MO 25 Ton Portable Spot Cooling Unit	4,000.00	
01 22 23 00-1023 Fuel Oil Tank <small>(01 22 23 00-0939)</small>		
<small>Note: Includes delivery to job site, connection to existing system and pick-up when complete. Excludes Off-road fuel costs. See CSI section 01 22 23 00-0664 for reimbursable fuel fees.</small>		
01 22 23 00-1024 MO 100 Gallon Portable Double Wall Fuel Oil Tank Rental	446.76	
01 22 23 00-1025 MO 275 Gallon Portable Double Wall Fuel Oil Tank Rental	694.95	
01 22 23 00-1026 MO 500 Gallon Portable Double Wall Fuel Oil Tank Rental	1,737.38	
01 22 23 00-1027 MO 1,000 Gallon Portable Double Wall Fuel Oil Tank Rental	2,895.64	
01 22 23 00-1028 MO 2,300 Gallon Portable Double Wall Fuel Oil Tank Rental	3,822.24	
01 22 23 00-1029 MO 5,000 Gallon Portable Double Wall Fuel Oil Tank Rental	6,828.19	
01 22 23 00-1030 Truck And Trailer Equipment <small>(01 22 23)</small>		
01 22 23 00-1031 Trucks <small>(01 22 23 00-1030)</small>		
<small>Note: Includes full-time driver, delivery, and removal.</small>		
01 22 23 00-1032 Flat Bed Trucks <small>(01 22 23 00-1031)</small>		
<small>Note: Includes hydraulic tilt bed.</small>		
01 22 23 00-1033 DAY 1-1/2 Ton Capacity, 8' To 10' Bed, 4 x 2 Flat Bed Truck With Full-Time Truck Driver	756.39	
<i>For Equipment Without Operator, Deduct</i>	-516.65	
01 22 23 00-1034 WK 1-1/2 Ton Capacity, 8' To 10' Bed, 4 x 2 Flat Bed Truck With Full-Time Truck Driver	3,211.75	
<i>For Equipment Without Operator, Deduct</i>	-2,583.24	
01 22 23 00-1035 MO 1-1/2 Ton Capacity, 8' To 10' Bed, 4 x 2 Flat Bed Truck With Full-Time Truck Driver	12,722.15	
<i>For Equipment Without Operator, Deduct</i>	-11,134.67	
01 22 23 00-1036 DAY 3 Ton Capacity, 12' To 16' Bed, 4 x 2 Flat Bed Truck With Full-Time Truck Driver	860.06	
<i>For Equipment Without Operator, Deduct</i>	-516.65	
01 22 23 00-1037 WK 3 Ton Capacity, 12' To 16' Bed, 4 x 2 Flat Bed Truck With Full-Time Truck Driver	3,477.41	
<i>For Equipment Without Operator, Deduct</i>	-2,583.24	
01 22 23 00-1038 MO 3 Ton Capacity, 12' To 16' Bed, 4 x 2 Flat Bed Truck With Full-Time Truck Driver	13,402.49	
<i>For Equipment Without Operator, Deduct</i>	-11,134.67	
01 22 23 00-1039 DAY 6-1/2 Ton Capacity, 16' Bed, 4 x 2 Flat Bed Truck With Full-Time Truck Driver	934.45	
<i>For Equipment Without Operator, Deduct</i>	-516.65	
01 22 23 00-1040 WK 6-1/2 Ton Capacity, 16' Bed, 4 x 2 Flat Bed Truck With Full-Time Truck Driver	3,761.73	
<i>For Equipment Without Operator, Deduct</i>	-2,583.24	
01 22 23 00-1041 MO 6-1/2 Ton Capacity, 16' Bed, 4 x 2 Flat Bed Truck With Full-Time Truck Driver	14,484.59	
<i>For Equipment Without Operator, Deduct</i>	-11,134.69	
01 22 23 00-1042 Light Duty Trucks <small>(01 22 23 00-1031)</small>		
01 22 23 00-1043 DAY 1/2 To 3/4 Ton, 4 x 2 Light Duty Conventional Pickup Truck With Full-Time Truck Driver	760.95	
<i>For Equipment Without Operator, Deduct</i>	-516.65	
01 22 23 00-1044 WK 1/2 To 3/4 Ton, 4 x 2 Light Duty Conventional Pickup Truck With Full-Time Truck Driver	3,384.86	
<i>For Equipment Without Operator, Deduct</i>	-2,583.24	
01 22 23 00-1045 MO 1/2 To 3/4 Ton, 4 x 2 Light Duty Conventional Pickup Truck With Full-Time Truck Driver	12,814.26	
<i>For Equipment Without Operator, Deduct</i>	-11,134.67	
01 22 23 00-1046 DAY 3/4 Ton, 4 x 4 Crew Cab Pickup Truck With Full-Time Truck Driver	806.76	
<i>For Equipment Without Operator, Deduct</i>	-516.65	
01 22 23 00-1047 WK 3/4 Ton, 4 x 4 Crew Cab Pickup Truck With Full-Time Truck Driver	3,522.28	
<i>For Equipment Without Operator, Deduct</i>	-2,583.24	
01 22 23 00-1048 MO 3/4 Ton, 4 x 4 Crew Cab Pickup Truck With Full-Time Truck Driver	13,119.64	
<i>For Equipment Without Operator, Deduct</i>	-11,134.67	
01 22 23 00-1049 Rear Dump Trucks <small>(01 22 23 00-1031)</small>		
01 22 23 00-1050 DAY 4 CY Rear Dump Truck With Full-Time Truck Driver	949.47	
<i>For Equipment Without Operator, Deduct</i>	-516.65	
01 22 23 00-1051 WK 4 CY Rear Dump Truck With Full-Time Truck Driver	3,775.70	
<i>For Equipment Without Operator, Deduct</i>	-2,583.24	
01 22 23 00-1052 MO 4 CY Rear Dump Truck With Full-Time Truck Driver	14,226.22	
<i>For Equipment Without Operator, Deduct</i>	-11,134.67	

01	General Requirements
01 20	Price And Payment Procedures
01 22	Unit Prices



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-1053 DAY 6 CY Rear Dump Truck With Full-Time Truck Driver	1,011.30	
<i>For Equipment Without Operator, Deduct</i>	-516.65	
01 22 23 00-1054 WK 6 CY Rear Dump Truck With Full-Time Truck Driver	3,908.19	
<i>For Equipment Without Operator, Deduct</i>	-2,583.24	
01 22 23 00-1055 MO 6 CY Rear Dump Truck With Full-Time Truck Driver	14,314.55	
<i>For Equipment Without Operator, Deduct</i>	-11,134.67	
01 22 23 00-1056 DAY 13 CY Rear Dump Truck With Full-Time Truck Driver	1,744.44	
<i>For Equipment Without Operator, Deduct</i>	-516.65	
01 22 23 00-1057 WK 13 CY Rear Dump Truck With Full-Time Truck Driver	5,418.63	
<i>For Equipment Without Operator, Deduct</i>	-2,583.24	
01 22 23 00-1058 MO 13 CY Rear Dump Truck With Full-Time Truck Driver	18,554.39	
<i>For Equipment Without Operator, Deduct</i>	-11,134.67	
01 22 23 00-1059 DAY 18 CY Rear Dump Truck With Full-Time Truck Driver	1,867.22	
<i>For Equipment Without Operator, Deduct</i>	-516.65	
01 22 23 00-1060 WK 18 CY Rear Dump Truck With Full-Time Truck Driver	5,702.17	
<i>For Equipment Without Operator, Deduct</i>	-2,583.24	
01 22 23 00-1061 MO 18 CY Rear Dump Truck With Full-Time Truck Driver	19,296.36	
<i>For Equipment Without Operator, Deduct</i>	-11,134.67	
01 22 23 00-1062 Vacuum Trucks (01 22 23 00-1031)		
01 22 23 00-1063 DAY 5,000 Gallon Vacuum Truck With Full-Time Truck Driver	1,735.60	
<i>For Equipment Without Operator, Deduct</i>	-516.65	
01 22 23 00-1064 WK 5,000 Gallon Vacuum Truck With Full-Time Truck Driver	6,254.23	
<i>For Equipment Without Operator, Deduct</i>	-2,583.24	
01 22 23 00-1065 MO 5,000 Gallon Vacuum Truck With Full-Time Truck Driver	21,967.46	
<i>For Equipment Without Operator, Deduct</i>	-11,134.67	
01 22 23 00-1066 Water Trucks (01 22 23 00-1031)		
See CSI section 01 22 23 00-1082 for water trailer, 31 23 23 23-0001 for compaction water as required for earth/aggregate backfill.		
01 22 23 00-1067 DAY 2,000 Gallon Water Truck With Full-Time Operator	1,139.41	
<i>For Equipment Without Operator, Deduct</i>	-516.65	
<i>For Each 1,000 Gallon Of Purchased Water, Add</i>	2.55	
01 22 23 00-1068 WK 2,000 Gallon Water Truck With Full-Time Operator	4,223.16	
<i>For Equipment Without Operator, Deduct</i>	-2,583.24	
<i>For Each 1,000 Gallon Of Purchased Water, Add</i>	2.55	
01 22 23 00-1069 MO 2,000 Gallon Water Truck With Full-Time Operator	15,009.59	
<i>For Equipment Without Operator, Deduct</i>	-11,134.67	
<i>For Each 1,000 Gallon Of Purchased Water, Add</i>	2.55	
01 22 23 00-1070 DAY 3,700 To 4,000 Gallon Water Truck With Full-Time Operator	1,443.86	
<i>For Equipment Without Operator, Deduct</i>	-516.65	
<i>For Each 1,000 Gallon Of Purchased Water, Add</i>	2.55	
01 22 23 00-1071 WK 3,700 To 4,000 Gallon Water Truck With Full-Time Operator	5,136.54	
<i>For Equipment Without Operator, Deduct</i>	-2,583.24	
<i>For Each 1,000 Gallon Of Purchased Water, Add</i>	2.55	
01 22 23 00-1072 MO 3,700 To 4,000 Gallon Water Truck With Full-Time Operator	17,362.22	
<i>For Equipment Without Operator, Deduct</i>	-11,134.67	
<i>For Each 1,000 Gallon Of Purchased Water, Add</i>	2.55	
01 22 23 00-1073 Asphalt Distribution Trucks (01 22 23 00-1031)		
01 22 23 00-1074 DAY 3,000 Gallon Asphalt Prime Coat Distribution Truck With Full-Time Truck Driver	1,627.24	
<i>For Equipment Without Operator, Deduct</i>	-516.65	
01 22 23 00-1075 WK 3,000 Gallon Asphalt Prime Coat Distribution Truck With Full-Time Truck Driver	5,900.74	
<i>For Equipment Without Operator, Deduct</i>	-2,583.24	
01 22 23 00-1076 MO 3,000 Gallon Asphalt Prime Coat Distribution Truck With Full-Time Truck Driver	20,942.04	
<i>For Equipment Without Operator, Deduct</i>	-11,134.67	
01 22 23 00-1077 Traffic Control Truck With Mounted Impact Attenuators/Crash Cushions And Arrow Board (01 22 23 00-1031)		
01 22 23 00-1078 DAY Traffic Control Truck With Mounted Impact Attenuator/Crash Cushion, Arrow Board With Full-Time Truck Driver	1,148.38	
<i>For Equipment Without Operator, Deduct</i>	-513.38	
01 22 23 00-1079 WK Traffic Control Truck With Mounted Impact Attenuator/Crash Cushion And Arrow Board With Full-Time Truck Driver	3,838.90	
<i>For Equipment Without Operator, Deduct</i>	-2,566.90	
01 22 23 00-1080 MO Traffic Control Truck With Mounted Impact Attenuator/Crash Cushion And Arrow Board With Full-Time Truck Driver	14,153.23	
<i>For Equipment Without Operator, Deduct</i>	-11,064.23	
01 22 23 00-1081 Trailers (01 22 23 00-1030)		
Note: Includes delivery to job site and pick-up when complete.		
01 22 23 00-1082 Water Trailers With Pump (01 22 23 00-1081)		
01 22 23 00-1083 DAY 500 To 600 Gallon Water Trailer With Pump	159.15	
01 22 23 00-1084 WK 500 To 600 Gallon Water Trailer With Pump	408.25	
01 22 23 00-1085 MO 500 To 600 Gallon Water Trailer With Pump	1,093.28	



General Requirements	01	10
Administrative Requirements	01 30	
Unit Prices	01 22	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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01 30 Administrative Requirements (01)

01 32 Construction Progress Documentation (01 30)

01 32 33 Photographic Documentation (01 32)

01 32 33 00-0001 Photography (01 32 33)

Note: Excludes QC photographs. As requested by owner.

01 32 33 00-0002	EA	3-1/2" x 5" Color Print Photograph.....	1.58
01 32 33 00-0003	EA	4" x 6" Color Print Photograph.....	2.11
01 32 33 00-0004	EA	5" x 7" Color Print Photograph.....	4.29
01 32 33 00-0005	EA	8" x 10" Color Print Photograph.....	7.14

01 32 33 00-0006 Aerial Survey And Photography (01 32 33)

Note: Cost per single location, 15 to 20 photos, up to 6 proofs developed, pictures 8" x 10" or 8-1/2" x 11".

01 32 33 00-0007	EA	Aerial Photography, 1 Site Within City, 15-20 Photos, 6 Proofs.....	1,248.90
		For Each Additional City Location, 15-20 Photos, 6 Proofs, Add	175.00
		For Each Mile Outside The City Area, Add	3.00
		For Color Prints Instead Of Black And White, Add	374.67
01 32 33 00-0008	EA	5 Minute Aerial Video With 3 Tapes And 11 x 14 Still Photograph.....	1,391.85
		For Each Additional City Location, 15-20 Photos, 6 Proofs, Add	175.00
		For Each Mile Outside The City Area, Add	3.00
01 32 33 00-0009	HR	Aerial Tour Of Project Site Up To 3 Passengers (Helicopter).....	940.44

01 40 Quality Requirements (01)

01 45 Quality Control (01 40)

01 45 23 Testing And Inspecting Services (01 45)

Note: For application to existing materials/site conditions only. Includes acquisition and maintenance of sample (for laboratory tests) to include shipping as required, applicable equipment for field tests, and appropriate test reports.

01 45 23 00-0001 Soils/Aggregate Testing (01 45 23)

01 45 23 00-0002 Field Soils Tests (01 45 23 00-0001)

01 45 23 00-0003	EA	Plasticity Index Soils Test, ASTM D-4318, Field Soils Test.....	171.77
01 45 23 00-0004	EA	4" Compaction Curves Soils Test, ASTM D-1557, Field Soils Test.....	243.80
01 45 23 00-0005	EA	6" Compaction Curves Soils Test, ASTM D-1557, Field Soils Test.....	277.05
01 45 23 00-0006	EA	Resistance (R) Value Soils Test, CA 301, Field Soils Test.....	221.64
01 45 23 00-0007	EA	Soils Classification Test, ASTM D-2487, Field Soils Test.....	332.46
01 45 23 00-0008	SET	Cement Treated Base Laboratory Design, Soil Cement, Field Soils Test.....	664.71
01 45 23 00-0009	EA	Moisture Content, Field Soils Test.....	24.93
01 45 23 00-0010	EA	UBC Or Swell Test, Field Soils Test.....	87.32
01 45 23 00-0011	EA	Proctor Compaction 4" Standard Mold ASTM D698, Field Soils Test.....	166.18
01 45 23 00-0012	EA	Proctor Compaction 6" Standard Mold, Field Soils Test.....	207.72
01 45 23 00-0013	EA	Density And Classification Test, Field Soils Test.....	66.47
01 45 23 00-0014	EA	Percolation Test, Field Soils Test.....	166.18
01 45 23 00-0015	EA	Infiltration Test, Field Soils Test.....	332.36

01 45 23 00-0016 Soil Borings Laboratory Tests (01 45 23 00-0001)

See CSI section 02 32 13 00-0000 for soil borings.

01 45 23 00-0017	EA	Atterberg Limits - Liquid Limits (LL) And Plastic Limits (PL), T89, T90, ASTM D4318, Soil Borings Laboratory Test.....	76.28
01 45 23 00-0018	EA	Shrinkage Limit, Soil Borings Laboratory Test.....	24.34
01 45 23 00-0019	EA	Unconfined Compressive Strength of Cohesive Soils, Soil Borings Laboratory Test.....	58.68
01 45 23 00-0020	EA	Consolidation, Soil Borings Laboratory Test.....	410.76
01 45 23 00-0021	EA	Swell Test, Soil Borings Laboratory Test.....	81.14
01 45 23 00-0022	EA	In Place Density, Soil Borings Laboratory Test.....	17.60
01 45 23 00-0023	EA	Moisture Content, ASTM D2216, Soil Borings Laboratory Test.....	10.94
01 45 23 00-0024	EA	Hydrometer Analysis, Soil Borings Laboratory Test.....	141.20
01 45 23 00-0025	EA	Specific Gravity, ASTM D854, Soil Borings Laboratory Test.....	49.24
01 45 23 00-0026	EA	Partial Sieve Analysis, Soil Borings Laboratory Test.....	9.74
01 45 23 00-0027	EA	Laboratory Permeability, Soil Borings Laboratory Test.....	486.87
01 45 23 00-0028	EA	Sieve Analysis, ASTM D422, Soil Borings Laboratory Test.....	98.47
01 45 23 00-0029	EA	Sulfate Soundness, Soil Borings Laboratory Test.....	121.72
01 45 23 00-0030	EA	Los Angeles Abrasion, Soil Borings Laboratory Test.....	283.80
01 45 23 00-0031	EA	California Bearing Ratio, ASTM D1883.....	249.34
01 45 23 00-0032	EA	Compaction Test Subgrade, Soil Borings Laboratory Test.....	73.03
01 45 23 00-0033	EA	Compaction Test Base Course, Soil Borings Laboratory Test.....	61.79
01 45 23 00-0034	EA	In Place Density And Water Content Test By Nuclear Methods, ASTM D6938, Soil Borings Laboratory Test.....	240.14
01 45 23 00-0035	EA	Field Density Sand Cone, AASHTO T-191, ASTM D1556, Soil Borings Laboratory Test.....	37.33

01 45 23 00-0036 Aggregate Testing (01 45 23 00-0001)

01 45 23 00-0037	EA	Coarse Aggregate Sieve Analysis Test, ASTM C-136, CA 202.....	55.41
01 45 23 00-0038	EA	Fine Aggregate Sieve Analysis Test, ASTM C-136, CA 202.....	99.74
01 45 23 00-0039	EA	Combined Aggregate Sieve Analysis Test, ASTM C-136, CA 202.....	138.52
01 45 23 00-0040	EA	Sieve Analysis, Pit Run, ASTM C136.....	108.02

Note: Includes wash.

01 General Requirements**01 40 Quality Requirements****01 45 Quality Control**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 45 23 00-0041	EA		Specific Special Gravity, Course, ASTM C127 Note: Includes absorption test.	88.02	
01 45 23 00-0042	EA		Special Gravity, Fine, ASTM C127 Note: Includes absorption test.	78.93	
01 45 23 00-0043	EA		Coarse Aggregate Bulk SSD Specific Gravity Test, ASTM C-128	117.36	
01 45 23 00-0044	EA		Fine Aggregate Bulk SSD Specific Gravity Test, ASTM C-128	110.82	
01 45 23 00-0045	EA		Aggregate Cleanness Value, ASTM C-128, CA 227	110.82	
01 45 23 00-0046	EA		Sand Equivalent, Average of 3 Tests, ASTM D2419, CA 217	83.12	
01 45 23 00-0047	EA		Fine Aggregate Durability Index, CA 229	88.66	
01 45 23 00-0048	EA		Sodium And Magnesium Soundness, ASTM C88	232.65	
01 45 23 00-0049	EA		Los Angeles Rattler, ASTM C-131, CA 211	177.31	
01 45 23 00-0050	EA		Los Angeles Rattler, ASTM C-535	177.31	
01 45 23 00-0051	EA		Unit Weight Of Aggregates, ASTM C29	49.87	
01 45 23 00-0052	EA		Organic Impurities In Sand, ASTM C40	49.85	
01 45 23 00-0053	EA		Crushed Particle, ASTM California Test Method	49.85	
01 45 23 00-0054	EA		Clay Lump And Friable Particles, ASTM C142	99.71	
01 45 23 00-0055			Permeability Tests (01 45 23 00-0001)		
01 45 23 00-0056			In-Place Tests (01 45 23 00-0055)		
01 45 23 00-0057	EA		Double Ring Infiltrometer Test, ASTM D3385	880.20	
01 45 23 00-0058	EA		Unconfined Compressive Strength (Pocket Penetrometer) Test	41.54	
01 45 23 00-0059			Lab Tests (01 45 23 00-0055)		
01 45 23 00-0060	EA		Falling Head Rigid Wall Consolidometer Technique CAE	410.76	
01 45 23 00-0061	EA		Falling Head Permeability Test EPA-9100	410.76	
01 45 23 00-0062	EA		Constant Head Permeability Test For Granular Soils, ASTM D2432	234.72	
01 45 23 00-0063			Concrete/Cement/Asphalt Testing (01 45 23)		
01 45 23 00-0064			Concrete Testing (01 45 23 00-0063)		
01 45 23 00-0065	EA		Prepare 6 x 12 Concrete Cylinder And Deliver To Lab	16.84	
01 45 23 00-0066	EA		6 x 12 Cylinder Concrete Compression Test, ASTM C-39 Or ASTM D1633	35.21	
01 45 23 00-0067	EA		Concrete Cores Compression Test, ASTM C-42	72.03	
01 45 23 00-0068	EA		6 x 6 x 18 Concrete Flexural Test, ASTM C-78	105.28	
01 45 23 00-0069	EA		Unit Weight Of Concrete Cylinder, ASTM C-567	38.79	
01 45 23 00-0070	EA		Concrete Mix Design Review	210.56	
01 45 23 00-0071	EA		Trial Concrete Batch Prepared In Laboratory	498.69	
01 45 23 00-0072	EA		Concrete Shrinkage, ASTM C-157 Modified	387.87	
01 45 23 00-0073	EA		6 x 12 Concrete Cylinder Splitting Tensile Test, ASTM C-496	59.84	
01 45 23 00-0074	EA		Concrete Slump Test, ASTM C143	27.70	
01 45 23 00-0075	EA		Concrete Air Content Test, ASTM C138, ASTM C173, Or ASTM C231	27.70	
01 45 23 00-0076			Cement Testing (01 45 23 00-0063)		
01 45 23 00-0077	EA		Cement Grab Sample (CCR Title 24)	27.70	
			Note: Includes sealing and storing 1 year.		
01 45 23 00-0078	EA		2" x 2" x 2" Cube Compression Test, All Type Materials	44.33	
01 45 23 00-0079			Asphaltic Concrete Testing (01 45 23 00-0063)		
01 45 23 00-0080	EA		Hveem Asphaltic Concrete Stability Test, CA 366	55.41	
01 45 23 00-0081	EA		Marshall Asphaltic Concrete Stability Test (3 Specimens), ASTM D-6926/6927	144.07	
01 45 23 00-0082	EA		Stability Tests, Premixed, ASTM D1559	55.41	
01 45 23 00-0083	EA		Stability Tests, Lab. Mixed, ASTM D1559	144.07	
01 45 23 00-0084	EA		Swell Test, CA 305	66.49	
			Note: Includes compaction.		
01 45 23 00-0085	EA		% Asphalt Extraction Test, ASTM D-2172 B	166.23	
01 45 23 00-0086	EA		Maximum Theoretical Unit Weight, ASTM C2041	105.62	
01 45 23 00-0087	EA		Unit Weight Sample Requiring Compaction, California Test Method 308	22.16	
01 45 23 00-0088	EA		Asphalt Unit Weight On Core Test, CA 308C	22.16	
01 45 23 00-0089	HR		Nuclear Field Density Testing, 4 Hour Minimum	114.14	
01 45 23 00-0090	EA		Asphalt Film Stripping Test, CTM 302/AASHTO T182/ASTM D1664	74.78	
01 45 23 00-0091	EA		Penetration, ASTM D5	80.05	
01 45 23 00-0092			Masonry/Concrete Block/Tile Testing (01 45 23)		
01 45 23 00-0093			Masonry Testing (01 45 23 00-0092)		
01 45 23 00-0094	EA		2" x 4" Cylinder Mortar Compression Test	36.57	
01 45 23 00-0095	EA		4" x 4" x 8" Grout Prisms Compression Test	36.57	
01 45 23 00-0096	EA		Masonry Cores Compression Test	72.03	
01 45 23 00-0097	EA		Composite Grouted Prism Compression Test	138.52	
01 45 23 00-0098			Concrete Block Testing (ASTM C140 Or CMA Per Specimen) (01 45 23 00-0092)		
01 45 23 00-0099	EA		Up To 8" x 8" x 16" Concrete Block Compression Test, ASTM C-140	88.66	
01 45 23 00-0100	EA		Absorption Test, Moisture Content And Unit Weight	60.95	



General Requirements		01
Quality Requirements		01 40
Quality Control		01 45

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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 45 23 00-0101 EA Moisture Condition By Relative Humidity, ASTM C427, First Unit	232.65	
01 45 23 00-0102 EA Moisture Condition By Relative Humidity, ASTM C427, Additional Unit	116.32	
01 45 23 00-0103 Metals Testing (01 45 23)		
01 45 23 00-0104 Tank Line Tightness Testing (01 45 23 00-0103)		
01 45 23 00-0105 EA Up To 12,000 Gallons, Tank Line Volumetric Tightness Testing	423.50	
01 45 23 00-0106 EA >12,000 To 29,999 Gallons, Tank Line Volumetric Tightness Testing.....	470.26	
01 45 23 00-0107 EA >29,999 Gallons, Tank Line Volumetric Tightness Testing.....	516.85	
01 45 23 00-0108 Other Testing (01 45 23)		
01 45 23 00-0109 Special Testing (01 45 23 00-0108)		
01 45 23 00-0110 EA Asphalt Roofing Cut-out Samples, To Determine Unit Weight.....	85.90	
01 45 23 00-0111 EA Complete Built-Up Roof Analysis, ASTM D2829 Or ASTM D3617	515.42	
01 45 23 00-0112 EA Bacteria Test (Total Coliform Bacteria And E. Coli Bacteria)	25.92	
01 45 23 00-0113 EA Testing For The Presence Of PCBs In Caulk, Analysis Per Sample	107.42	
01 45 23 00-0114 EA Testing For The Presence Of PCBs In Soil, Analysis Per Sample.....	107.42	
01 45 23 00-0115 EA Testing For The Presence Of PCBs Using Wipe Sampling, Analysis Per Sample	107.42	
01 45 23 00-0116 EA Testing For The Presence Of PCBs In Air, Analysis Per Sample	590.81	
01 45 23 00-0117 Nondestructive Field Testing Services (01 45 23 00-0108)		
01 45 23 00-0118 Infrared Thermography (01 45 23 00-0117)		
Note: The following tasks use certified infrared (IR) thermographers, such as Stockton Infrared Thermographic Services, Inc. and United Infrared, Inc., to scan for specific problems and produce a report on the findings. The contractor is entitled to the mobilization charge and the appropriate square foot or hourly task.		
01 45 23 00-0119 Roof Investigation And Moisture Survey Using Infrared Thermography (01 45 23 00-0118)		
Note: For on the roof surveys.		
01 45 23 00-0120 EA Roof Investigation And Moisture Survey Using Infrared Thermography, Mobilization Charge.....	1,800.00	
01 45 23 00-0121 CSF Up To 10,000 SF, Roof Investigation And Moisture Survey Using Infrared Thermography	3.00	
<i>For CADD Drawings, Add</i>		
	0.60	
01 45 23 00-0122 CSF >10,000 To 50,000 SF, Roof Investigation And Moisture Survey Using Infrared Thermography.....	2.00	
<i>For CADD Drawings, Add</i>		
	0.40	
01 45 23 00-0123 CSF >50,000 To 250,000 SF, Roof Investigation And Moisture Survey Using Infrared Thermography.....	1.50	
<i>For CADD Drawings, Add</i>		
	0.30	
<i>For Elevated Infrared Thermography Roof Investigation, Add</i>		
	0.38	
<i>For Aerial Infrared Thermography Roof Investigation, Add</i>		
	0.38	
01 45 23 00-0124 CSF >250,000 SF, Roof Investigation And Moisture Survey Using Infrared Thermography.....	1.00	
<i>For CADD Drawings, Add</i>		
	0.20	
<i>For Elevated Infrared Thermography Roof Investigation, Add</i>		
	0.25	
<i>For Aerial Infrared Thermography Roof Investigation, Add</i>		
	0.25	
01 45 23 00-0125 Building Moisture Investigation Using Infrared Thermography (01 45 23 00-0118)		
Note: For finding moisture in walls and windows.		
01 45 23 00-0126 EA Building Moisture Investigation Using Infrared Thermography, Mobilization Charge	950.00	
01 45 23 00-0127 CSF Up To 1,000 SF, Building Moisture Investigation Using Infrared Thermography	3.00	
<i>For Digital Or Analog Recording Of All Items, Add</i>		
	1.50	
01 45 23 00-0128 CSF >1,000 To 5,000 SF, Building Moisture Investigation Using Infrared Thermography	2.00	
<i>For Digital Or Analog Recording Of All Items, Add</i>		
	1.00	
01 45 23 00-0129 CSF >5,000 SF, Building Moisture Investigation Using Infrared Thermography	1.00	
<i>For Digital Or Analog Recording Of All Items, Add</i>		
	0.50	
01 45 23 00-0130 General Building Investigation Using Infrared Thermography (01 45 23 00-0118)		
Note: For finding missing or misplaced insulation, air leakage and delamination.		
01 45 23 00-0131 EA General Building Investigation Using Infrared Thermography, Mobilization Charge.....	1,950.00	
01 45 23 00-0132 CSF Up To 1,000 SF, General Building Investigation Using Infrared Thermography	3.00	
<i>For Digital Or Analog Recording Of All Items, Add</i>		
	1.50	
01 45 23 00-0133 CSF >1,000 To 5,000 SF, General Building Investigation Using Infrared Thermography.....	2.00	
<i>For Digital Or Analog Recording Of All Items, Add</i>		
	1.00	
01 45 23 00-0134 CSF >5,000 SF, General Building Investigation Using Infrared Thermography	1.00	
<i>For Digital Or Analog Recording Of All Items, Add</i>		
	0.50	
01 45 23 00-0135 Electrical /Mechanical Equipment Scanning Using Infrared Thermography (01 45 23 00-0118)		
Note: For diagnosing electrical issues such as loose connections, overloaded or imbalanced circuits, faulty breakers, damaged switches, faulty fuses, etc. For diagnosing electrical issues caused by resistance and mechanical issues caused by friction.		
01 45 23 00-0136 EA Electrical /Mechanical Equipment Scanning Using Infrared Thermography, Mobilization Charge	950.00	
01 45 23 00-0137 HR Electrical /Mechanical Equipment Scanning Using Infrared Thermography	162.15	
<i>For Digital Or Analog Recording Of All Items, Add</i>		
	23.99	
01 45 23 00-0138 Concrete Block Wall Investigation Using Infrared Thermography (01 45 23 00-0118)		
Note: For investigating issues with grouted cells, bond beams and other structural components in concrete block walls.		
01 45 23 00-0139 EA Concrete Block Wall Investigation Using Infrared Thermography, Mobilization Charge	950.00	

01	01	General Requirements
	01 40	Quality Requirements
	01 45	Quality Control



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 45 23 00-0140 CSF Up To 50,000 SF, Concrete Block Wall Investigation Using Infrared Thermography.....	3.00	
<i>For Digital Or Analog Recording Of All Items, Add</i>	0.45	
01 45 23 00-0141 CSF >50,000 SF, Concrete Block Wall Investigation Using Infrared Thermography	2.00	
<i>For Digital Or Analog Recording Of All Items, Add</i>	0.30	
01 45 23 00-0142 Other Nondestructive Field Testing Services (01 45 23 00-0117)		
01 45 23 00-0143 HR ASNT Certified Level I NDT Consultant	68.10	
01 45 23 00-0144 HR ASNT Certified Level II NDT Consultant	69.82	
01 45 23 00-0145 HR ASNT Certified Level III NDT Consultant	98.08	
01 45 23 00-0146 HR Certified Industrial Radiography Radiation Safety Personnel	37.35	
01 45 23 00-0147 Testing Professional Services (01 45 23 00-0108)		
01 45 23 00-0148 HR Concrete, Steel, Masonry, Expansion Anchor And Soils Inspection	103.06	
01 45 23 00-0149 HR Laboratory Technician	99.74	
01 45 23 00-0150 HR Portable Digital Reinforcement Scanner	144.07	
01 45 23 00-0151 HR Subsurface Detection Radar System	243.80	
01 45 23 00-0152 HR Pavement Rehabilitation Analysis Using Deflectors.....	277.05	
01 45 23 00-0153 HR Associate Engineer	144.07	
01 45 23 00-0154 HR Staff Engineer	132.98	
01 45 23 00-0155 HR Project Manager.....	127.44	
01 45 23 00-0156 HR Principal Engineer.....	193.94	
01 45 23 00-0157 HR Consulting Engineer.....	155.15	

01 50 Temporary Facilities And Controls (01)

Note: Tasks in this section shall be used as directed by owner.

01 51 Temporary Utilities (01 50)

01 51 13 Temporary Electricity (01 51)

01 51 13 00-0001 Service Switch And/Or Building Feeder Switch (01 51 13)

Note: Includes fuses.

01 51 13 00-0002 EA Temporary 30 Amp, 240 Volt, NEMA 3R Service Switch Or Building Feeder Switch With Fuses	601.17	235.32
01 51 13 00-0003 EA Temporary 60 Amp, 240 Volt, NEMA 3R Service Switch Or Building Feeder Switch With Fuses	744.58	312.11
01 51 13 00-0004 EA Temporary 100 Amp, 240 Volt, NEMA 3R Service Switch Or Building Feeder Switch With Fuses	1,114.63	341.57
01 51 13 00-0005 EA Temporary 200 Amp, 240 Volt, NEMA 3R Service Switch Or Building Feeder Switch With Fuses	1,663.37	531.56
01 51 13 00-0006 EA Temporary 400 Amp, 240 Volt, NEMA 3R Service Switch Or Building Feeder Switch With Fuses	3,142.00	882.27
01 51 13 00-0007 EA Temporary 600 Amp, 240 Volt, NEMA 3R Service Switch Or Building Feeder Switch With Fuses	5,435.88	1,176.42
01 51 13 00-0008 EA Temporary 800 Amp, 240 Volt, NEMA 3R Service Switch Or Building Feeder Switch With Fuses	7,743.76	1,333.92
01 51 13 00-0009 EA Temporary 1,200 Amp, 240 Volt, NEMA 3R Service Switch Or Building Feeder Switch With Fuses.....	12,583.74	2,032.64
01 51 13 00-0010 EA Temporary 2,000 Amp, 240 Volt, NEMA 3R Service Switch Or Building Feeder Switch With Fuses.....	17,822.47	3,049.06

01 51 13 00-0011 Panelboard Complete With Branch Fuses 120/208V (01 51 13)

Note: Main lug.

01 51 13 00-0012 EA Temporary 100 Amp Panelboard Complete With Up To 24 Branch Circuits, 120/208 Volt.....	1,235.13	230.96
01 51 13 00-0013 EA Temporary 200 Amp Panelboard Complete With Up To 42 Branch Circuits, 120/208 Volt.....	1,624.65	423.55
01 51 13 00-0014 EA Temporary 400 Amp Panelboard Complete With Up To 42 Branch Circuits, 120/208 Volt.....	2,568.97	635.22
01 51 13 00-0015 EA Temporary 600 Amp Panelboard Complete With Up To 42 Branch Circuits, 120/208 Volt.....	3,498.28	1,058.75

01 51 13 00-0016 Cord Grip Plug (01 51 13)

Note: Includes installation, a maximum of 50' of cord and connection to source.

01 51 13 00-0017 EA Temporary 2 - Pole Cord Grip Plug With Installation	135.97	63.60
01 51 13 00-0018 EA Temporary 3 - Pole Cord Grip Plug With Installation	202.63	97.84
01 51 13 00-0019 EA Temporary 4 - Pole Cord Grip Plug With Installation	261.10	127.00
01 51 13 00-0020 EA Temporary 3 - Pole (30 A) Cord Grip Plug With Installation.....	199.27	97.84
01 51 13 00-0021 EA Temporary 4 - Pole (30 A) Cord Grip Plug With Installation.....	255.76	127.00
01 51 13 00-0022 EA Temporary 3 - Pole (50 A) Cord Grip Plug With Installation.....	217.37	97.84

01 51 26 Temporary Lighting (01 51)

01 51 26 00-0001 Temporary Devices (01 51 26)

Note: Includes removal after use.

01 51 26 00-0002 EA Temporary Exit Light.....	146.26	47.43
01 51 26 00-0003 EA Temporary Light Socket With Branch Wiring Connection And Lamp.....	21.42	9.86
01 51 26 00-0004 EA Temporary 10 Light String With Cages.....	56.05	22.30
01 51 26 00-0005 EA Temporary GFI Device With Enclosure And Branch Wiring.....	157.39	63.60
01 51 26 00-0006 EA Temporary Trailer Socket With Branch Wiring.....	62.20	23.03
01 51 26 00-0007 EA Temporary High Bay Light.....	213.73	93.39

01 52 Construction Facilities (01 50)

Note: Tasks in this section shall be used as directed by owner for owner's use.

01 52 13 Field Offices And Sheds (01 52)



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 52 13 00-0001 Field Offices <small>(01 52 13)</small>		
<i>Note: Excludes furniture, utility connections and service. Minimum 6 months rental.</i>		
01 52 13 00-0002 MO 8' x 24' Office, With Toilet	125.40	
<i>For Each Delivery And Removal, Round Trip, Add</i>		685.18
<i>For Each Set-Up (Block And Level), Add</i>		140.96
<i>For Each Anchoring Into Dirt, Add</i>		95.00
<i>For Each Anchoring Into Asphalt Or Concrete, Add</i>		142.49
<i>For Office Trailer Without Toilet, Deduct</i>		-25.08
01 52 13 00-0003 MO 8' x 32' Office, With Toilet	142.12	
<i>For Each Delivery And Removal, Round Trip, Add</i>		685.18
<i>For Each Set-Up (Block And Level), Add</i>		140.96
<i>For Each Anchoring Into Dirt, Add</i>		95.00
<i>For Each Anchoring Into Asphalt Or Concrete, Add</i>		142.49
<i>For Office Trailer Without Toilet, Deduct</i>		-28.42
01 52 13 00-0004 MO 10' x 36' Office, With Toilet	192.28	
<i>For Each Delivery And Removal, Round Trip, Add</i>		1,135.95
<i>For Each Set-Up (Block And Level), Add</i>		229.99
<i>For Each Anchoring Into Dirt, Add</i>		95.00
<i>For Each Anchoring Into Asphalt Or Concrete, Add</i>		142.49
<i>For Office Trailer Without Toilet, Deduct</i>		-38.46
01 52 13 00-0005 MO 10' x 40' Office, With Toilet	204.82	
<i>For Each Delivery And Removal, Round Trip, Add</i>		1,135.95
<i>For Each Set-Up (Block And Level), Add</i>		229.99
<i>For Each Anchoring Into Dirt, Add</i>		95.00
<i>For Each Anchoring Into Asphalt Or Concrete, Add</i>		142.49
<i>For Office Trailer Without Toilet, Deduct</i>		-40.96
01 52 13 00-0006 MO 10' x 44' Office, With Toilet	225.72	
<i>For Each Delivery And Removal, Round Trip, Add</i>		1,135.95
<i>For Each Set-Up (Block And Level), Add</i>		229.99
<i>For Each Anchoring Into Dirt, Add</i>		95.00
<i>For Each Anchoring Into Asphalt Or Concrete, Add</i>		142.49
01 52 13 00-0007 MO 10' x 50' Office, With Toilet	238.26	
<i>For Each Delivery And Removal, Round Trip, Add</i>		1,135.95
<i>For Each Set-Up (Block And Level), Add</i>		229.99
<i>For Each Anchoring Into Dirt, Add</i>		95.00
<i>For Each Anchoring Into Asphalt Or Concrete, Add</i>		142.49
01 52 13 00-0008 MO 12' x 44' Office, With Toilet	254.69	
<i>For Each Delivery And Removal, Round Trip, Add</i>		1,135.95
<i>For Each Set-Up (Block And Level), Add</i>		229.99
<i>For Each Anchoring Into Dirt, Add</i>		95.00
<i>For Each Anchoring Into Asphalt Or Concrete, Add</i>		142.49
01 52 13 00-0009 MO 12' x 50' Office, With Toilet	280.06	
<i>For Each Delivery And Removal, Round Trip, Add</i>		1,135.95
<i>For Each Set-Up (Block And Level), Add</i>		229.99
<i>For Each Anchoring Into Dirt, Add</i>		95.00
<i>For Each Anchoring Into Asphalt Or Concrete, Add</i>		142.49
01 52 13 00-0010 MO 12' x 60' Office, With Toilet	305.14	
<i>For Each Delivery And Removal, Round Trip, Add</i>		1,135.95
<i>For Each Set-Up (Block And Level), Add</i>		229.99
<i>For Each Anchoring Into Dirt, Add</i>		95.00
<i>For Each Anchoring Into Asphalt Or Concrete, Add</i>		142.49
01 52 13 00-0011 MO 24' x 60' Office, With Toilet	668.80	
<i>For Each Delivery And Removal, Round Trip, Add</i>		2,163.72
<i>For Each Set-Up (Block And Level), Add</i>		370.95
<i>For Each Anchoring Into Dirt, Add</i>		95.00
<i>For Each Anchoring Into Asphalt Or Concrete, Add</i>		142.49
01 52 13 00-0012 MO 24' x 72' Office, With Toilet	802.55	
<i>For Each Delivery And Removal, Round Trip, Add</i>		2,163.72
<i>For Each Set-Up (Block And Level), Add</i>		370.95
<i>For Each Anchoring Into Dirt, Add</i>		95.00
<i>For Each Anchoring Into Asphalt Or Concrete, Add</i>		142.49
01 52 13 00-0013 MO 30' x 30' Office, With Toilet	381.42	
<i>For Each Delivery And Removal, Round Trip, Add</i>		2,163.72
<i>For Each Set-Up (Block And Level), Add</i>		370.95
<i>For Each Anchoring Into Dirt, Add</i>		95.00
<i>For Each Anchoring Into Asphalt Or Concrete, Add</i>		142.49
01 52 13 00-0014 Accessories For Field Office Trailers <small>(01 52 13)</small>		
<i>Note: Costs includes installation or placement in trailer.</i>		
01 52 13 00-0015 MO Desk For Field Office Trailer	28.59	
01 52 13 00-0016 MO Rolling Desk Chair For Field Office Trailer	17.87	
01 52 13 00-0017 MO File Cabinet For Field Office Trailer	21.44	
01 52 13 00-0018 MO Table For Field Office Trailer	14.29	
01 52 13 00-0019 MO Folding Chair For Field Office Trailer	6.77	
01 52 13 00-0020 EA Phone Hook-Up For Field Office Trailer	78.62	
01 52 13 00-0021 MO Local Phone Service Per Phone Line For Field Office Trailer	50.03	
01 52 13 00-0022 MO Security System With Monitoring For Field Office Trailer	80.00	
01 52 13 00-0023 LF Perimeter Trailer Skirting For Field Office Trailer	25.82	
01 52 13 00-0024 LF Insulated Perimeter Trailer Skirting For Field Office Trailer	46.94	
01 52 13 00-0025 MO Steps For Field Office Trailer	25.00	
01 52 13 00-0026 MO Fax Machine For Field Office Trailer	35.74	
01 52 13 00-0027 MO Copier For Field Office Trailer	57.18	

01	01	General Requirements
	01 50	Temporary Facilities And Controls
	01 52	Construction Facilities



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 52 13 00-0028 Storage Containers <small>(01 52 13)</small>		
01 52 13 00-0029 MO 8' x 8' x 10' Storage Container .....60.64 <i>For Delivery And Pick-up Of Container, Add</i> .....335.98 <i>For >12 Months, Deduct</i> .....-18.19		
01 52 13 00-0030 MO 8' x 8' x 20' Storage Container .....63.40 <i>For Delivery And Pick-up Of Container, Add</i> .....335.98 <i>For >12 Months, Deduct</i> .....-19.02		
01 52 13 00-0031 MO 8' x 8' x 40' Storage Container .....74.98 <i>For Delivery And Pick-up Of Container, Add</i> .....335.98 <i>For >12 Months, Deduct</i> .....-22.49		
01 52 19 Sanitary Facilities <small>(01 52)</small>		
01 52 19 00-0001 Portable Toilets <small>(01 52 19)</small> Note: Includes delivery, set-up, servicing once per week and removal.		
01 52 19 00-0002 WK Portable Toilets, Chemical .....36.33 <i>For Each Additional Servicing Per Unit Per Week, Add</i> .....25.00		
01 52 19 00-0003 MO Portable Toilets, Chemical .....109.00 <i>For Each Additional Servicing Per Unit Per Week, Add</i> .....25.00		
01 52 19 00-0004 WK ADA Portable Toilets, Chemical .....43.34 <i>For Each Additional Servicing Per Unit Per Week, Add</i> .....25.00		
01 52 19 00-0005 MO ADA Portable Toilets, Chemical .....127.17 <i>For Each Additional Servicing Per Unit Per Week, Add</i> .....25.00		
01 52 19 00-0006 WK Two Station Portable Handwash .....27.39		
01 52 19 00-0007 MO Two Station Portable Handwash .....83.09		
01 52 19 00-0008 MO Portable Toilets, Multi Trailer - 16' .....2,509.00 Note: Includes women's room (3 toilets, 2 sinks) and men's room (1 toilet, 1 urinal and 1 sink)		
01 52 19 00-0009 WK Service Trailer Restrooms, 3 Times Per Week .....1,880.88		
01 54 Construction Aids <small>(01 50)</small>		
01 54 23 Temporary Scaffolding And Platforms <small>(01 54)</small>		
01 54 23 00-0001 Scaffolding <small>(01 54 23)</small> Note: Additional scaffolding rental for work above the normal working height of 14'. See CSI section 04 05 26 00-0000 for masonry scaffolding.		
01 54 23 00-0002 Scaffolding Rental - Rental Only <small>(01 54 23 00-0001)</small> Note: Monthly rental of actual scaffolding volume rented. Scaffolding is complete with bracing, 2" thick x 12" wide scaffolding planks, scaffolding stairs (where necessary in lieu of planks), standard accessories, base leveling devices, mud sills, climbing ladders and landings, brackets, clamps and building ties, etc. See CSI section 01 54 23 00-0006 for scaffolding erection and dismantling.		
01 54 23 00-0003 CCF Scaffolding With Bracing Accessories - Area Based On 5' Wide x 7' Long Sections (CCF / Month) .....20.84 <i>For Up To 25, Add</i> .....8.34 <i>For >25 To 50, Add</i> .....5.21 <i>For >50 To 150, Add</i> .....2.08		
01 54 23 00-0004 CCF Scaffolding With Bracing Accessories - Area Based On 4' Wide x 7' Long Sections (CCF / Month) .....23.44 <i>For Up To 25, Add</i> .....9.38 <i>For >25 To 50, Add</i> .....5.86 <i>For >50 To 150, Add</i> .....2.34		
01 54 23 00-0005 CCF Scaffolding With Bracing Accessories - Area Based On 3' Wide x 7' Long Sections (CCF / Month) .....31.26 <i>For Up To 25, Add</i> .....12.50 <i>For >25 To 50, Add</i> .....7.82 <i>For >50 To 150, Add</i> .....3.13		
01 54 23 00-0006 Scaffolding Erection And Dismantling - Labor Only <small>(01 54 23 00-0001)</small> Note: Includes both initial erection and final dismantling Excludes lifting equipment. The unit of measure is the volume of scaffolding erected. See CSI section 01 54 23 00-0002 for scaffolding rental.		
01 54 23 00-0007 CCF Up To 20' Height Scaffolding Initial Erection And Final Dismantling, Per CCF Of Scaffolding And Accessories .....42.19		
01 54 23 00-0008 CCF >20' To 40' Height Scaffolding Initial Erection And Final Dismantling, Per CCF Of Scaffolding And Accessories .....52.75		
01 54 23 00-0009 CCF >40' To 60' Height Scaffolding Initial Erection And Final Dismantling, Per CCF Of Scaffolding And Accessories .....63.29		
01 54 23 00-0010 CCF >60' To 80' Scaffolding Initial Erection And Final Dismantling, Per CCF Of Scaffolding And Accessories .....69.62		
01 54 23 00-0011 CCF >80' Height Scaffolding Initial Erection And Final Dismantling, Per CCF Of Scaffolding And Accessories .....80.17		
01 54 23 00-0012 Rolling Scaffolding <small>(01 54 23)</small> Note: Includes moving and relocating scaffolding on site. Excludes initial erection and final dismantling of scaffold.		
01 54 23 00-0013 DAY Rolling Scaffolding >14' To 20' Complete With Wheels, Railings, Etc., (5' Wide X 7' Long Section) .....10.15		
01 54 23 00-0014 WK Rolling Scaffolding >14' To 20' Complete With Wheels, Railings, Etc., (5' Wide X 7' Long Section) .....40.69		
01 54 23 00-0015 MO Rolling Scaffolding >14' To 20' Complete With Wheels, Railings, Etc., (5' Wide X 7' Long Section) .....162.74		
01 54 23 00-0016 DAY Rolling Scaffolding >20' To 40' Complete With Wheels, Railings, Etc., (5' Wide X 7' Long Section) .....17.00		
01 54 23 00-0017 WK Rolling Scaffolding >20' To 40' Complete With Wheels, Railings, Etc., (5' Wide X 7' Long Section) .....68.08		
01 54 23 00-0018 MO Rolling Scaffolding >20' To 40' Complete With Wheels, Railings, Etc., (5' Wide X 7' Long Section) .....272.36		
01 54 23 00-0019 EA Rolling Scaffolding Initial Erection And Final Dismantling For Each Scaffold, >14' To 20' .....90.18		
01 54 23 00-0020 EA Rolling Scaffolding Initial Erection And Final Dismantling For Each Scaffold, >20' To 40' .....112.73		
01 54 26 Temporary Swing Staging <small>(01 54)</small> Note: Up to one month rental. Includes connection to existing electrical outlet on roof, all necessary safety equipment for personnel and anchoring to existing roof anchors. Excludes installing roof anchors.		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 54 26 00-0001 Swing Stage <small>(01 54 26)</small>		
Note: Up to one month rental. Includes connection to existing electrical outlet on roof, and all necessary safety equipment for personnel. Excludes installing roof anchors.		
01 54 26 00-0002 MO 7' Swing Stage, Electric Operated	1,502.82	
01 54 26 00-0003 MO 24' Swing Stage, Manually Operated.....	541.69	
01 54 26 00-0004 EA Swing Stage Erection And Dismantling	417.18	
Note: Includes both erection and dismantling of swing stage.		
01 54 26 00-0005 EA Move Swing Stage To Different Roof At Same Site.....	196.99	
01 54 26 00-0006 EA Move Swing Stage To Different Location At Same Roof	90.92	
 01 54 29 Temporary Sidewalk Protection <small>(01 54)</small>		
01 54 29 00-0001 Sidewalk Bridge <small>(01 54 29)</small>		
01 54 29 00-0002 Installation of Sidewalk Bridge <small>(01 54 29 00-0001)</small>		
01 54 29 00-0003 LF Installation of Heavy Duty Steel Post And Beam Sidewalk Bridge Assembly	71.73	
Note: Includes spanning openings, planking and parapet, lighting, up to 8' wide, up to 8' high, 2 post system.		
<i>For 3 Post System, Add</i>		6.00
<i>For Each Additional Foot Over 8' Wide, Add</i>		3.00
<i>For Each Additional Foot Over 8' High, Add</i>		2.00
01 54 29 00-0004 LF Installation of Netting for Sidewalk Bridge	3.44	
 01 54 29 00-0005 Monthly Rental of Sidewalk Bridge <small>(01 54 29 00-0001)</small>		
01 54 29 00-0006 LF Monthly Rental Of Up To 8' Wide And 8' High, 2 Post System, Heavy Duty Steel Post And Beam Sidewalk Bridge Assembly	5.36	
Note: Includes spanning openings, planking and parapet, lighting and maintenance.		
<i>For 3 Post System, Add</i>		0.80
01 54 29 00-0007 LF Monthly Rental Of Up To 8' Wide, 8' - 12' High, 2 Post System, Heavy Duty Steel Post And Beam Sidewalk Bridge Assembly.....	6.03	
Note: Includes spanning openings, planking and parapet, lighting and maintenance.		
<i>For 3 Post System, Add</i>		0.90
01 54 29 00-0008 LF Monthly Rental Of Up To 8' Wide, Over 12' High, 2 Post System, Heavy Duty Steel Post And Beam Sidewalk Bridge Assembly.....	6.70	
Note: Includes spanning openings, planking and parapet, lighting and maintenance.		
<i>For 3 Post System, Add</i>		1.01
01 54 29 00-0009 LF Monthly Rental Of 8' - 12' Wide And 8' High, 2 Post System, Heavy Duty Steel Post And Beam Sidewalk Bridge Assembly	6.70	
Note: Includes spanning openings, planking and parapet, lighting and maintenance.		
<i>For 3 Post System, Add</i>		1.01
01 54 29 00-0010 LF Monthly Rental Of 8' - 12' Wide, 8' - 12' High, 2 Post System, Heavy Duty Steel Post And Beam Sidewalk Bridge Assembly.....	7.37	
Note: Includes spanning openings, planking and parapet, lighting and maintenance.		
<i>For 3 Post System, Add</i>		1.11
01 54 29 00-0011 LF Monthly Rental Of 8' - 12' Wide, Over 12' High, 2 Post System, Heavy Duty Steel Post And Beam Sidewalk Bridge Assembly.....	8.71	
Note: Includes spanning openings, planking and parapet, lighting and maintenance.		
<i>For 3 Post System, Add</i>		1.31
01 54 29 00-0012 LF Monthly Rental Of Over 12' Wide And 8' High, 2 Post System, Heavy Duty Steel Post And Beam Sidewalk Bridge Assembly	8.04	
Note: Includes spanning openings, planking and parapet, lighting and maintenance.		
<i>For 3 Post System, Add</i>		1.21
01 54 29 00-0013 LF Monthly Rental Of Over 12' Wide, 8' - 12' High, 2 Post System, Heavy Duty Steel Post And Beam Sidewalk Bridge Assembly.....	9.38	
Note: Includes spanning openings, planking and parapet, lighting and maintenance.		
<i>For 3 Post System, Add</i>		1.41
01 54 29 00-0014 LF Monthly Rental Of Over 12' Wide, Over 12' High, 2 Post System, Heavy Duty Steel Post And Beam Sidewalk Bridge Assembly.....	10.05	
Note: Includes spanning openings, planking and parapet, lighting and maintenance.		
<i>For 3 Post System, Add</i>		1.51
01 54 29 00-0015 LF Monthly Rental of Netting for Sidewalk Bridge.....	1.00	
 01 54 29 00-0016 Removal of Sidewalk Bridge <small>(01 54 29 00-0001)</small>		
01 54 29 00-0017 LF Removal of Heavy Duty Steel Post And Beam Sidewalk Bridge Assembly	28.10	
Note: Includes spanning openings, planking and parapet, lighting, up to 8' wide, up to 8' high, 2 post system.		
<i>For 3 Post System, Add</i>		2.50
<i>For Each Additional Foot Over 8' Wide, Add</i>		1.25
<i>For Each Additional Foot Over 8' High, Add</i>		0.75
01 54 29 00-0018 LF Removal of Netting for Sidewalk Bridge	1.72	
 01 55 Vehicular Access And Parking <small>(01 50)</small>		
01 55 23 Temporary Roads <small>(01 55)</small>		
01 55 23 00-0001 Temporary Stabilized Construction Entrance <small>(01 55 23)</small>		
Note: As per Caltrans detail.		
01 55 23 00-0002 SF 3" To 4" Rock Temporary Stabilized Construction Entrance Assembly	2.97	
Note: Includes up to 12" excavation of pit, hauling and disposal of soil, filter fabric at base and sides, filled with rock, and compaction.		

01	01	General Requirements
	01 50	Temporary Facilities And Controls
	01 55	Vehicular Access And Parking



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 55 23 00-0003 SF >4" To 6" Rock Temporary Stabilized Construction Entrance Assembly Note: Includes up to 12" excavation of pit, hauling and disposal of soil, filter fabric at base and sides, filled with rock, and compaction.	3.78	
01 55 23 00-0004 Rumble Trench Plate <small>(01 55 23)</small>		
01 55 23 00-0005 MO 8' x 10' Steel Rumble Trench Plate Rental.....	200.72	
01 55 23 00-0006 EA Place And Remove Rumble Plate..... Note: If lifting equipment is not available on site, See CSI section 01 22 23 00-0000 for rentals tasks, 01 71 13 00-0000 for mobilization tasks.	73.79	
01 55 23 00-0007 EA Relocate And Adjust Location Of Rumble Plate..... Note: If lifting equipment is not available on site, See CSI section 01 22 23 00-0000 for rentals tasks, 01 71 13 00-0000 for mobilization tasks.	18.45	
01 55 26 Traffic Control <small>(01 55)</small>		
01 55 26 00-0001 Removable Preformed Traffic Black Line Mask <small>(01 55 26)</small> Note: Includes installation and removal after use.		
01 55 26 00-0002 LF 6" Removable Traffic Black Line Mask.....	4.16	
01 55 26 00-0003 LF 8" Removable Traffic Black Line Mask.....	5.05	
01 55 26 00-0004 Temporary Preformed Traffic Line Tape <small>(01 55 26)</small> Note: Includes installation and removal after use.		
01 55 26 00-0005 LF 4" Reflective Removable Traffic Line Tape.....	3.20	
01 55 26 00-0006 LF 6" Reflective Removable Traffic Line Tape.....	4.21	
01 55 26 00-0007 LF 8" Reflective Removable Traffic Line Tape.....	5.16	
01 55 26 00-0008 Temporary Painted Traffic Lines <small>(01 55 26)</small> Note: Includes installation and removal after use.		
01 55 26 00-0009 LF 4" Temporary Painted Traffic Lines..... <i>For Not Removed, Deduct</i>	2.81 -2.34	
01 55 26 00-0010 LF 6" Temporary Painted Traffic Lines..... <i>For Not Removed, Deduct</i>	3.76 -3.18	
01 55 26 00-0011 LF 8" Temporary Painted Traffic Lines..... <i>For Not Removed, Deduct</i>	4.73 -4.04	
01 55 26 00-0012 EA 2" High x 2" Wide Temporary Overlay Pavement Markers, "L" With Factory-Applied Adhesive Pad.....	2.07	
01 55 26 00-0013 EA 2" High x 4" Wide Temporary Overlay Pavement Markers, "L" With Factory-Applied Adhesive Pad.....	2.08	
01 55 26 00-0014 Pedestrian Traffic Control <small>(01 55 26)</small>		
01 55 26 00-0015 CLF 1", 4 Mil Polyethylene Printed Barricade Tape, Fluorescent Orange.....	10.89	
01 55 26 00-0016 CLF 2", 4 Mil Polyethylene Printed Barricade Tape, Fluorescent Orange.....	14.78	
01 55 26 00-0017 CLF 3/4", 4 Mil Polyethylene Printed Barricade Tape, Fluorescent Yellow.....	7.76	
01 55 26 00-0018 CLF 2", 4 Mil Polyethylene Printed Barricade Tape, Fluorescent Yellow.....	9.76	
01 55 26 00-0019 CLF 3", 4 Mil Polyethylene Printed Barricade Tape, Non Fluorescent.....	10.99	
01 55 26 00-0020 CLF 6", 4 Mil Polyethylene Printed Barricade Tape, Non Fluorescent.....	15.97	
01 55 26 00-0021 CLF 1" Exterior Vinyl Tape (Warning Tape).....	13.58	
01 55 26 00-0022 CLF 2" Exterior Vinyl Tape (Warning Tape).....	19.88	
01 55 26 00-0023 CLF 3" Exterior Vinyl Tape (Warning Tape).....	25.99	
01 55 26 00-0024 CLF 4" Exterior Vinyl Tape (Warning Tape).....	30.47	
01 55 26 00-0025 Traffic Protection <small>(01 55 26)</small>		
01 55 26 00-0026 Portable Traffic Control Device Usage <small>(01 55 26 00-0025)</small> Note: Excludes placing and removing devices.		
01 55 26 00-0027 DAY 28" Cone With Reflective Collar.....	0.43	
01 55 26 00-0028 WK 28" Cone With Reflective Collar.....	1.29	
01 55 26 00-0029 MO 28" Cone With Reflective Collar.....	3.88	
01 55 26 00-0030 DAY Vertical Panel.....	1.30	
01 55 26 00-0031 WK Vertical Panel.....	3.90	
01 55 26 00-0032 MO Vertical Panel.....	11.71	
01 55 26 00-0033 DAY Channelizer Drum.....	1.41	
01 55 26 00-0034 WK Channelizer Drum.....	4.24	
01 55 26 00-0035 MO Channelizer Drum.....	12.72	
01 55 26 00-0036 DAY Stackable Channelizer Panel.....	0.67	
01 55 26 00-0037 WK Stackable Channelizer Panel.....	2.00	
01 55 26 00-0038 MO Stackable Channelizer Panel.....	6.01	
01 55 26 00-0039 DAY Type I Barricade, Up To 3' Wide With Reflective Rail Each Side.....	0.93	
01 55 26 00-0040 WK Type I Barricade, Up To 3' Wide With Reflective Rail Each Side.....	2.78	
01 55 26 00-0041 MO Type I Barricade, Up To 3' Wide With Reflective Rail Each Side.....	8.33	
01 55 26 00-0042 DAY Type II Barricade, Up To 3' Wide With Two Reflective Rails Each Side.....	2.05	
01 55 26 00-0043 WK Type II Barricade, Up To 3' Wide With Two Reflective Rails Each Side.....	6.15	
01 55 26 00-0044 MO Type II Barricade, Up To 3' Wide With Two Reflective Rails Each Side.....	18.46	
01 55 26 00-0045 DAY Type III Barricade, Up To 5' Wide With Three Reflective Rails.....	2.34	
01 55 26 00-0046 WK Type III Barricade, Up To 5' Wide With Three Reflective Rails.....	7.01	
01 55 26 00-0047 MO Type III Barricade, Up To 5' Wide With Three Reflective Rails.....	21.04	
01 55 26 00-0048 DAY Type III Barricade, >5' To 10' Wide With Three Reflective Rails.....	4.28	
01 55 26 00-0049 WK Type III Barricade, >5' To 10' Wide With Three Reflective Rails.....	12.83	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 55 26 00-0050 MO Type III Barricade, >5' To 10' Wide With Three Reflective Rails.....	38.48	
01 55 26 00-0051 DAY Up To 10' Wide A Frame Barricade	2.35	
01 55 26 00-0052 WK Up To 10' Wide A Frame Barricade	7.04	
01 55 26 00-0053 MO Up To 10' Wide A Frame Barricade	21.11	
01 55 26 00-0054 DAY Type A Or C Flasher.....	0.48	
01 55 26 00-0055 WK Type A Or C Flasher.....	1.43	
01 55 26 00-0056 MO Type A Or C Flasher.....	4.30	
01 55 26 00-0057 DAY Type B Flasher (High Intensity)	2.59	
01 55 26 00-0058 WK Type B Flasher (High Intensity)	7.78	
01 55 26 00-0059 MO Type B Flasher (High Intensity)	23.33	
01 55 26 00-0060 Traffic Barriers Usage (01 55 26 00-0025)		
Note: Excludes placing and removing devices.		
01 55 26 00-0061 DAY 6' Long Portable Parking Curbs	1.12	
01 55 26 00-0062 WK 6' Long Portable Parking Curbs	3.35	
01 55 26 00-0063 MO 6' Long Portable Parking Curbs	10.05	
01 55 26 00-0064 DAY 6' Long Portable Speed Bumps	3.30	
01 55 26 00-0065 WK 6' Long Portable Speed Bumps	9.91	
01 55 26 00-0066 MO 6' Long Portable Speed Bumps	29.74	
01 55 26 00-0067 DAY Up To 12.5' Concrete Traffic Barrier	7.94	
01 55 26 00-0068 WK Up To 12.5' Concrete Traffic Barrier	23.82	
01 55 26 00-0069 MO Up To 12.5' Concrete Traffic Barrier	71.46	
01 55 26 00-0070 DAY >12.5' To 20' Concrete Traffic Barrier	15.88	
01 55 26 00-0071 WK >12.5' To 20' Concrete Traffic Barrier	47.64	
01 55 26 00-0072 MO >12.5' To 20' Concrete Traffic Barrier	142.92	
01 55 26 00-0073 DAY 6' x 32" Tall Plastic Water Barrier	9.48	
01 55 26 00-0074 WK 6' x 32" Tall Plastic Water Barrier	28.44	
01 55 26 00-0075 MO 6' x 32" Tall Plastic Water Barrier	85.33	
01 55 26 00-0076 DAY 6' x 46" Tall Plastic Water Barrier	13.54	
01 55 26 00-0077 WK 6' x 46" Tall Plastic Water Barrier	40.62	
01 55 26 00-0078 MO 6' x 46" Tall Plastic Water Barrier	121.85	
01 55 26 00-0079 DAY Sand Filled Crash Attenuator Barrels	5.30	
01 55 26 00-0080 WK Sand Filled Crash Attenuator Barrels	15.90	
01 55 26 00-0081 MO Sand Filled Crash Attenuator Barrels	47.69	
01 55 26 00-0082 Portable Signs And Message Displays Usage (01 55 26 00-0025)		
Note: Excludes placing and removing devices.		
01 55 26 00-0083 DAY Mesh Or Vinyl Roll-up Sign With Stand	4.16	
01 55 26 00-0084 WK Mesh Or Vinyl Roll-up Sign With Stand	12.48	
01 55 26 00-0085 MO Mesh Or Vinyl Roll-up Sign With Stand	37.44	
01 55 26 00-0086 DAY Aluminum Sign And Post	2.35	
01 55 26 00-0087 WK Aluminum Sign And Post	7.06	
01 55 26 00-0088 MO Aluminum Sign And Post	21.18	
01 55 26 00-0089 DAY Aluminum Sign And A Frame Stand	3.15	
01 55 26 00-0090 WK Aluminum Sign And A Frame Stand	9.44	
01 55 26 00-0091 MO Aluminum Sign And A Frame Stand	28.31	
01 55 26 00-0092 DAY Trailer Mounted Flashing Arrow Board	47.99	
01 55 26 00-0093 WK Trailer Mounted Flashing Arrow Board	143.98	
01 55 26 00-0094 MO Trailer Mounted Flashing Arrow Board	431.95	
01 55 26 00-0095 DAY Trailer Mounted Portable Variable Message Sign (PVMS)	183.00	
01 55 26 00-0096 WK Trailer Mounted Portable Variable Message Sign (PVMS)	549.00	
01 55 26 00-0097 MO Trailer Mounted Portable Variable Message Sign (PVMS)	1,647.00	
01 55 26 00-0098 DAY Two Head, Trailer Mounted Traffic Signal (Set Of Two)	700.00	
Note: Consists of a set of two communicating trailers. Each with two LED traffic light head, solar panels and a battery bank, mounted on a heavy-duty towable trailer.		
01 55 26 00-0099 WK Two Head, Trailer Mounted Traffic Signal (Set Of Two)	2,100.00	
Note: Consists of a set of two communicating trailers. Each with two LED traffic light head, solar panels and a battery bank, mounted on a heavy-duty towable trailer.		
01 55 26 00-0100 MO Two Head, Trailer Mounted Traffic Signal (Set Of Two)	6,300.00	
Note: Consists of a set of two communicating trailers. Each with two LED traffic light head, solar panels and a battery bank, mounted on a heavy-duty towable trailer.		
01 55 26 00-0101 Place And Remove Traffic Protection Using Truck (01 55 26 00-0025)		
Note: Includes delivery and return up to 15 miles.		
01 55 26 00-0102 EA Place And Remove Up To 250 Cones Using Truck	3.64	
01 55 26 00-0103 EA Place And Remove >250 Cones Using Truck	2.91	
01 55 26 00-0104 EA Place And Remove Up To 250 Panels/Channelizers Using Truck	4.85	
01 55 26 00-0105 EA Place And Remove >250 Panels/Channelizers Using Truck	3.88	
01 55 26 00-0106 EA Place And Remove Up To 250 Barricades Using Truck	7.28	
01 55 26 00-0107 EA Place And Remove >250 Barricades Using Truck	5.83	
01 55 26 00-0108 EA Place And Remove Curbs/Speed Bumps Using Truck	7.28	
01 55 26 00-0109 EA Place And Remove Portable Sign And Stand Using Truck	4.37	
01 55 26 00-0110 EA Place And Remove Aluminum Sign And Post Using Truck	18.19	
01 55 26 00-0111 EA Place And Remove Trailer Mounted Boards And Signals Using Truck	54.58	

01	General Requirements
01 50	Temporary Facilities And Controls
01 55	Vehicular Access And Parking



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 55 26 00-0112	EA		Place And Remove Up To 12.5' Concrete Traffic Barrier.....73.79 Note: If lifting equipment is not available on site, See CSI section 01 22 23 00-0000 for rentals tasks, 01 71 13 00-0000 for mobilization tasks.		
			For 1 Barrier, Add	184.48	
			For 2 Barriers, Add	66.41	
			For 3 Barriers, Add	22.14	
01 55 26 00-0113	EA		Place And Remove >12.5' Concrete Traffic Barrier .....110.69 Note: If lifting equipment is not available on site, See CSI section 01 22 23 00-0000 for rentals tasks, 01 71 13 00-0000 for mobilization tasks.		
			For 1 Barrier, Add	276.73	
			For 2 Barriers, Add	99.62	
			For 3 Barriers, Add	33.21	
01 55 26 00-0114	EA		Place And Remove Plastic Water Barrier .....38.41 Note: Includes water. If lifting equipment is not available on site, See CSI section 01 22 23 00-0000 for rental tasks, 01 71 13 00-0000 for mobilization tasks.		
			For 1 Barrier, Add	92.25	
			For 2 Barriers, Add	33.21	
			For 3 Barriers, Add	11.07	
01 55 26 00-0115	EA		Place And Remove Crash Attenuator Barrels.....55.35 Note: If lifting equipment is not available on site, See CSI section 01 22 23 00-0000 for rentals tasks, 01 71 13 00-0000 for mobilization tasks.		
			For 1 Barrier, Add	138.38	
			For 2 Barriers, Add	49.82	
			For 3 Barriers, Add	16.61	
01 55 26 00-0116			Place And Remove Traffic Protection From Roadside (Daily) (01 55 26 00-0025)		
01 55 26 00-0117	EA		Place And Remove Up To 250 Cones By Hand From Roadside.....1.82		
01 55 26 00-0118	EA		Place And Remove >250 Cones By Hand From Roadside.....1.46		
01 55 26 00-0119	EA		Place And Remove Up To 250 Panels/Channelizers By Hand From Roadside.....2.43		
01 55 26 00-0120	EA		Place And Remove >250 Panels/Channelizers By Hand From Roadside .....1.93		
01 55 26 00-0121	EA		Place And Remove Up To 250 Barricades By Hand From Roadside .....3.64		
01 55 26 00-0122	EA		Place And Remove >250 Barricades By Hand From Roadside .....2.91		
01 55 26 00-0123	EA		Place And Remove Portable Sign And Stand From Roadside.....2.29		
01 55 26 00-0124	EA		Place And Remove Trailer Mounted Boards And Signals From Roadside .....27.28		
01 55 26 00-0125	EA		Roadside Relocation Of Concrete Traffic Barrier.....36.90 Note: Excludes flatbed truck. If lifting equipment is not available on site, See CSI section 01 22 23 00-0000 for rental tasks, 01 71 13 00-0000 for mobilization.		
01 56			Temporary Barriers And Enclosures (01 50) Note: Includes removal after use.		
01 56 16			Temporary Dust Barriers (01 56)		
01 56 16 00-0001			Temporary Sheeting For Protection (01 56 16)		
01 56 16 00-0002	SF		6 Mil Plastic Sheeting, Applied To Floors.....0.29		
01 56 16 00-0003	SF		6 Mil Plastic Sheeting, Applied To Walls.....0.38		
01 56 16 00-0004	SF		6 Mil Plastic Sheeting, Applied To Ceilings.....0.51		
01 56 16 00-0005	SF		10 Mil Plastic Sheeting Applied To Scaffolding.....0.60		
01 56 16 00-0006	SF		6 Mil Plastic Anti Static And Fire And Flame Retardant Sheeting, Applied To Floors .....0.34		
01 56 16 00-0007	SF		6 Mil Plastic Anti Static And Fire And Flame Retardant Sheeting, Applied To Walls .....0.43		
01 56 16 00-0008	SF		6 Mil Plastic Anti Static And Fire And Flame Retardant Sheeting, Applied To Ceilings .....0.56		
01 56 16 00-0009	SF		Burlap, Applied To Floors .....0.58		
01 56 16 00-0010	EA		7' Zipper Door For Plastic Sheeting .....16.89		
01 56 16 00-0011	LF		Zip Wall Kit And ICRA Dust Control Awareness Barrier (Per LF Of Wall).....5.70 Note: Includes up to 12' long spring loaded poles, side clamps, foam rails and 6 mil poly barrier. Excludes zip doors.		
01 56 16 00-0012	EA		Up To 1 SF Individual Critical Barriers.....9.15 Note: For Outlets And Receptacles		
01 56 16 00-0013	EA		>1 To 4 SF Individual Critical Barriers .....13.83 Note: For diffusers, ceiling speakers, return grilles, etc.		
01 56 16 00-0014	EA		>4 To 8 SF Individual Critical Barriers .....18.55 Note: For diffusers, return grilles, access doors, light fixtures, etc.		
01 56 16 00-0015	EA		>8 To 32 SF Individual Critical Barriers.....28.64 Note: For doors, windows, etc.		
01 56 16 00-0016			Temporary Stud Wall (01 56 16)		
01 56 16 00-0017			Temporary Stud Wall With Drywall (01 56 16 00-0016) Note: Includes 2 x 4 wood studs installed 16" on center, single bottom and top plate, appropriate fastening devices, drywall taped and finished and removal after use. Excludes paint.		
01 56 16 00-0018			Temporary Stud Wall With Drywall (01 56 16 00-0017)		
01 56 16 00-0019	SF		3/8" Gypsum Board On One Side, Temporary Wood Stud Wall, 16" On Center.....4.97 For Metal Studs 24" On Center, Add	0.23	
01 56 16 00-0020	SF		1/2" Gypsum Board On One Side, Temporary Wood Stud Wall, 16" On Center.....4.97 For Metal Studs 24" On Center, Add	0.23	
01 56 16 00-0021	SF		5/8" Gypsum Board On One Side, Temporary Wood Stud Wall, 16" On Center.....5.05 For Metal Studs 24" On Center, Add	0.23	
01 56 16 00-0022	SF		3/8" Gypsum Board On Both Sides, Temporary Wood Stud Wall, 16" On Center.....6.87 For Metal Studs 24" On Center, Add	0.31	



		General Requirements	01
		Temporary Facilities And Controls	01 50
		Temporary Barriers And Enclosures	01 56

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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 56 16 00-0023 SF 1/2" Gypsum Board On Both Sides, Temporary Wood Stud Wall, 16" On Center..... <i>For Metal Studs 24" On Center, Add</i>	6.87 0.31	
01 56 16 00-0024 SF 5/8" Gypsum Board On Both Sides, Temporary Wood Stud Wall, 16" On Center..... <i>For Metal Studs 24" On Center, Add</i>	7.05 0.31	
01 56 16 00-0025 Temporary Stud Wall With Fire Rated Drywall (01 56 16 00-0017)		
01 56 16 00-0026 SF 1/2" Type C Fire Rated Gypsum Board On One Side, Temporary Wood Stud Wall, 16" On Center <i>For Metal Studs 24" On Center, Add</i>	5.06 0.23	
01 56 16 00-0027 SF 5/8" Type C Fire Rated Gypsum Board On One Side, Temporary Wood Stud Wall, 16" On Center <i>For Metal Studs 24" On Center, Add</i>	5.09 0.23	
01 56 16 00-0028 SF 5/8" Type X Fire Rated Gypsum Board On One Side, Temporary Wood Stud Wall, 16" On Center <i>For Metal Studs 24" On Center, Add</i>	5.04 0.23	
01 56 16 00-0029 SF 3/4" Fire Rated (Sheetrock® Ultracode®) Gypsum Board On One Side, Temporary Wood Stud Wall, 16" On Center..... <i>For Metal Studs 24" On Center, Add</i>	5.70 0.23	
01 56 16 00-0030 SF 1/2" Type C Fire Rated Gypsum Board On Both Sides, Temporary Wood Stud Wall, 16" On Center..... <i>For Metal Studs 24" On Center, Add</i>	7.07 0.31	
01 56 16 00-0031 SF 5/8" Type C Fire Rated Gypsum Board On Both Sides, Temporary Wood Stud Wall, 16" On Center..... <i>For Metal Studs 24" On Center, Add</i>	7.13 0.31	
01 56 16 00-0032 SF 5/8" Type X Fire Rated Gypsum Board On Both Sides, Temporary Wood Stud Wall, 16" On Center <i>For Metal Studs 24" On Center, Add</i>	7.03 0.31	
01 56 16 00-0033 SF 3/4" Fire Rated (Sheetrock® Ultracode®) Gypsum Board On Both Sides, Temporary Wood Stud Wall, 16" On Center..... <i>For Metal Studs 24" On Center, Add</i>	8.34 0.31	
01 56 16 00-0034 Temporary Stud Wall With Oriented Strand Board (OSB) (01 56 16 00-0016) Note: Includes 2 x 4 wood studs installed 16" on center, single bottom and top plate, appropriate fastening devices, oriented strand board (OSB) wall sheathing, and removal after use. Excludes paint.		
01 56 16 00-0035 SF 7/16" Oriented Strand Board (OSB) Wall Sheathing On One Side, Temporary Wood Stud Wall, 16" On Center..... <i>For Metal Studs 24" On Center, Add</i>	4.88 0.23	
01 56 16 00-0036 SF 1/2" Oriented Strand Board (OSB) Wall Sheathing On One Side, Temporary Wood Stud Wall, 16" On Center..... <i>For Metal Studs 24" On Center, Add</i>	4.92 0.23	
01 56 16 00-0037 SF 5/8" Oriented Strand Board (OSB) Wall Sheathing On One Side, Temporary Wood Stud Wall, 16" On Center..... <i>For Metal Studs 24" On Center, Add</i>	5.03 0.23	
01 56 16 00-0038 SF 3/4" Oriented Strand Board (OSB) Wall Sheathing On One Side, Temporary Wood Stud Wall, 16" On Center..... <i>For Metal Studs 24" On Center, Add</i>	5.10 0.23	
01 56 16 00-0039 SF 7/16" Oriented Strand Board (OSB) Wall Sheathing On Both Sides, Temporary Wood Stud Wall, 16" On Center <i>For Metal Studs 24" On Center, Add</i>	6.70 0.31	
01 56 16 00-0040 SF 1/2" Oriented Strand Board (OSB) Wall Sheathing On Both Sides, Temporary Wood Stud Wall, 16" On Center <i>For Metal Studs 24" On Center, Add</i>	6.78 0.31	
01 56 16 00-0041 SF 5/8" Oriented Strand Board (OSB) Wall Sheathing On Both Sides, Temporary Wood Stud Wall, 16" On Center <i>For Metal Studs 24" On Center, Add</i>	7.01 0.31	
01 56 16 00-0042 SF 3/4" Oriented Strand Board (OSB) Wall Sheathing On Both Sides, Temporary Wood Stud Wall, 16" On Center <i>For Metal Studs 24" On Center, Add</i>	7.14 0.31	
01 56 16 00-0043 Temporary Stud Wall With BC Plywood (01 56 16 00-0016) Note: Includes 2 x 4 wood studs installed 16" on center, single bottom and top plate, appropriate fastening devices, interior/exterior BC plywood wall sheathing, and removal after use. Excludes paint.		
01 56 16 00-0044 SF 3/8" BC Plywood Wall Sheathing On One Side, Temporary Wood Stud Wall, 16" On Center..... <i>For Metal Studs 24" On Center, Add</i>	5.15 0.23	
01 56 16 00-0045 SF 1/2" BC Plywood Wall Sheathing On One Side, Temporary Wood Stud Wall, 16" On Center..... <i>For Metal Studs 24" On Center, Add</i>	5.30 0.23	
01 56 16 00-0046 SF 5/8" BC Plywood Wall Sheathing On One Side, Temporary Wood Stud Wall, 16" On Center..... <i>For Metal Studs 24" On Center, Add</i>	5.47 0.23	
01 56 16 00-0047 SF 3/4" BC Plywood Wall Sheathing On One Side, Temporary Wood Stud Wall, 16" On Center..... <i>For Metal Studs 24" On Center, Add</i>	5.59 0.23	
01 56 16 00-0048 SF 3/8" BC Plywood Wall Sheathing On Both Sides, Temporary Wood Stud Wall, 16" On Center <i>For Metal Studs 24" On Center, Add</i>	7.25 0.31	
01 56 16 00-0049 SF 1/2" BC Plywood Wall Sheathing On Both Sides, Temporary Wood Stud Wall, 16" On Center <i>For Metal Studs 24" On Center, Add</i>	7.55 0.31	
01 56 16 00-0050 SF 5/8" BC Plywood Wall Sheathing On Both Sides, Temporary Wood Stud Wall, 16" On Center <i>For Metal Studs 24" On Center, Add</i>	7.88 0.31	
01 56 16 00-0051 SF 3/4" BC Plywood Wall Sheathing On Both Sides, Temporary Wood Stud Wall, 16" On Center <i>For Metal Studs 24" On Center, Add</i>	8.13 0.31	
01 56 16 00-0052 Temporary Stud Wall With Plastic Sheeting (01 56 16 00-0016) Note: Includes 2 x 4 wood studs installed 16" on center, single bottom and top plate, appropriate fastening devices, 6 Mil plastic sheathing, and removal after use. Excludes paint.		
01 56 16 00-0053 SF 6 Mil Plastic Sheeting On One Side, Temporary Wood Stud Wall, 16" On Center 2.86	2.86	
01 56 16 00-0054 Temporary Doors (01 56 16 00-0016) Note: For temporary stud walls. Includes removal after use.		
01 56 16 00-0055 EA Temporary Metal Door And Frame 458.51 Note: Painted with panic hardware, lockset, threshold and smoke seals. Remove after use.	458.51	
01 56 16 00-0056 Temporary Floor Protection (01 56 16) 01 56 16 00-0057 SF Masonite For Temporary Floor Protection 1.47	1.47	

01	General Requirements
01 50	Temporary Facilities And Controls
01 56	Temporary Barriers And Enclosures



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 56 16 00-0058	SF		1/2" Plywood For Temporary Floor Protection	1.55	
01 56 16 00-0059	SF		3/4" Plywood For Temporary Floor Protection	1.89	
01 56 16 00-0060			Sticky Mats (01 56 16)		
01 56 16 00-0061	EA		18" x 36", 30 Layer Sticky Mat	20.17	
			<i>For 60 Layers Instead Of 30, Add</i>	12.42	
01 56 16 00-0062	EA		18" x 46", 30 Layer Sticky Mat	22.93	
			<i>For 60 Layers Instead Of 30, Add</i>	14.49	
01 56 16 00-0063	EA		24" x 36", 30 Layer Sticky Mat	22.93	
			<i>For 60 Layers Instead Of 30, Add</i>	14.49	
01 56 16 00-0064	EA		25" x 45", 30 Layer Sticky Mat	29.83	
			<i>For 60 Layers Instead Of 30, Add</i>	19.67	
01 56 16 00-0065	EA		36" x 36", 30 Layer Sticky Mat	32.59	
			<i>For 60 Layers Instead Of 30, Add</i>	21.74	
01 56 16 00-0066	EA		36" x 46", 30 Layer Sticky Mat	35.35	
			<i>For 60 Layers Instead Of 30, Add</i>	23.81	
01 56 16 00-0067	EA		36" x 60", 30 Layer Sticky Mat	69.85	
			<i>For 60 Layers Instead Of 30, Add</i>	49.68	
01 56 16 00-0068	EA		36" x 72", 30 Layer Sticky Mat	83.10	
01 56 26			Temporary Fencing (01 56 26)		
01 56 26 00-0001			Temporary Fencing (01 56 26) Note: Includes set-up and removal. Excludes auguring/drilling for posts.		
01 56 26 00-0002			Temporary Chain Link Fence (01 56 26 00-0001) Note: Includes set-up and removal. Excludes auguring/drilling for posts.		
01 56 26 00-0003			Temporary Chain Link Fence, Up To 6 Months (01 56 26 00-0002)		
01 56 26 00-0004	LF		Temporary 4' High Chain Link Fence And Posts, Up To 6 Months	3.15	
			<i>For >100 To 250, Deduct</i>	-0.16	
			<i>For >250 To 500, Deduct</i>	-0.32	
			<i>For >500, Deduct</i>	-0.47	
			<i>For Shade Cloth, Add</i>	1.60	
01 56 26 00-0005	LF		Temporary 6' High Chain Link Fence And Posts, Up To 6 Months	3.56	
			<i>For >100 To 250, Deduct</i>	-0.18	
			<i>For >250 To 500, Deduct</i>	-0.36	
			<i>For >500, Deduct</i>	-0.53	
			<i>For Shade Cloth, Add</i>	2.55	
01 56 26 00-0006	LF		Temporary 8' High Chain Link Fence And Posts, Up To 6 Months	6.01	
			<i>For >100 To 250, Deduct</i>	-0.30	
			<i>For >250 To 500, Deduct</i>	-0.60	
			<i>For >500, Deduct</i>	-0.90	
			<i>For Shade Cloth, Add</i>	3.60	
01 56 26 00-0007	LF		Temporary 10' High Chain Link Fence And Posts, Up To 6 Months	17.88	
			<i>For >100 To 250, Deduct</i>	-0.89	
			<i>For >250 To 500, Deduct</i>	-1.79	
			<i>For >500, Deduct</i>	-2.68	
			<i>For Shade Cloth, Add</i>	4.75	
01 56 26 00-0008			Temporary Chain Link Fence, >6 To 12 Months (01 56 26 00-0002)		
01 56 26 00-0009	LF		Temporary 4' High Chain Link Fence And Posts, >6 To 12 Months	3.48	
			<i>For >100 To 250, Deduct</i>	-0.17	
			<i>For >250 To 500, Deduct</i>	-0.35	
			<i>For >500, Deduct</i>	-0.52	
			<i>For Shade Cloth, Add</i>	1.60	
01 56 26 00-0010	LF		Temporary 6' High Chain Link Fence And Posts, >6 To 12 Months	3.91	
			<i>For >100 To 250, Deduct</i>	-0.20	
			<i>For >250 To 500, Deduct</i>	-0.39	
			<i>For >500, Deduct</i>	-0.59	
			<i>For Shade Cloth, Add</i>	2.55	
01 56 26 00-0011	LF		Temporary 8' High Chain Link Fence And Posts, >6 To 12 Months	6.61	
			<i>For >100 To 250, Deduct</i>	-0.33	
			<i>For >250 To 500, Deduct</i>	-0.66	
			<i>For >500, Deduct</i>	-0.99	
			<i>For Shade Cloth, Add</i>	3.60	
01 56 26 00-0012	LF		Temporary 10' High Chain Link Fence And Posts, >6 To 12 Months	19.66	
			<i>For >100 To 250, Deduct</i>	-0.98	
			<i>For >250 To 500, Deduct</i>	-1.97	
			<i>For >500, Deduct</i>	-2.95	
			<i>For Shade Cloth, Add</i>	4.75	
01 56 26 00-0013			Temporary Chain Link Fence, >12 To 18 Months (01 56 26 00-0002)		
01 56 26 00-0014	LF		Temporary 4' High Chain Link Fence And Posts, >12 To 18 Months	3.83	
			<i>For >100 To 250, Deduct</i>	-0.19	
			<i>For >250 To 500, Deduct</i>	-0.38	
			<i>For >500, Deduct</i>	-0.57	
			<i>For Shade Cloth, Add</i>	1.60	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 56 26 00-0015 LF Temporary 6' High Chain Link Fence And Posts, >12 To 18 Months	4.31	
<i>For >100 To 250, Deduct</i>	-0.22	
<i>For >250 To 500, Deduct</i>	-0.43	
<i>For >500, Deduct</i>	-0.65	
<i>For Shade Cloth, Add</i>	2.55	
01 56 26 00-0016 LF Temporary 8' High Chain Link Fence And Posts, >12 To 18 Months	7.28	
<i>For >100 To 250, Deduct</i>	-0.36	
<i>For >250 To 500, Deduct</i>	-0.73	
<i>For >500, Deduct</i>	-1.09	
<i>For Shade Cloth, Add</i>	3.60	
01 56 26 00-0017 LF Temporary 10' High Chain Link Fence And Posts, >12 To 18 Months	21.63	
<i>For >100 To 250, Deduct</i>	-1.08	
<i>For >250 To 500, Deduct</i>	-2.16	
<i>For >500, Deduct</i>	-3.24	
<i>For Shade Cloth, Add</i>	4.75	
01 56 26 00-0018 Temporary Chain Link Fence, >18 Months <small>(01 56 26 00-0002)</small>		
01 56 26 00-0019 LF Temporary 4' High Chain Link Fence And Posts, >18 Months.....	4.21	
<i>For >100 To 250, Deduct</i>	-0.21	
<i>For >250 To 500, Deduct</i>	-0.42	
<i>For >500, Deduct</i>	-0.63	
<i>For Shade Cloth, Add</i>	1.60	
01 56 26 00-0020 LF Temporary 6' High Chain Link Fence And Posts, >18 Months.....	4.72	
<i>For >100 To 250, Deduct</i>	-0.24	
<i>For >250 To 500, Deduct</i>	-0.47	
<i>For >500, Deduct</i>	-0.71	
<i>For Shade Cloth, Add</i>	2.55	
01 56 26 00-0021 LF Temporary 8' High Chain Link Fence And Posts, >18 Months.....	7.99	
<i>For >100 To 250, Deduct</i>	-0.40	
<i>For >250 To 500, Deduct</i>	-0.80	
<i>For >500, Deduct</i>	-1.20	
<i>For Shade Cloth, Add</i>	3.60	
01 56 26 00-0022 LF Temporary 10' High Chain Link Fence And Posts, >18 Months.....	23.78	
<i>For >100 To 250, Deduct</i>	-1.19	
<i>For >250 To 500, Deduct</i>	-2.38	
<i>For >500, Deduct</i>	-3.57	
<i>For Shade Cloth, Add</i>	4.75	
01 56 26 00-0023 Temporary Chain Link Fence Gates <small>(01 56 26 00-0001)</small>		
<small>Note: Includes set-up and removal. Excludes auguring/drilling for posts.</small>		
01 56 26 00-0024 Temporary Chain Link Fence Gates, Up To 6 Months <small>(01 56 26 00-0023)</small>		
01 56 26 00-0025 4' High, Temporary Chain Link Fence Gates, Up To 6 Months <small>(01 56 26 00-0024)</small>		
01 56 26 00-0026 EA 4' Wide, 4' High, Temporary Chain Link Fence Gate, Up To 6 Months.....	200.98	
<i>For Shade Cloth, Add</i>	15.01	
01 56 26 00-0027 EA 10' Wide, 4' High, Temporary Chain Link Fence Gate, Up To 6 Months.....	312.64	
<i>For Shade Cloth, Add</i>	37.52	
01 56 26 00-0028 EA 12' Wide, 4' High, Temporary Chain Link Fence Gate, Up To 6 Months.....	357.30	
<i>For Shade Cloth, Add</i>	45.02	
01 56 26 00-0029 EA 15' Wide, 4' High, Temporary Chain Link Fence Gate, Up To 6 Months.....	401.96	
<i>For Shade Cloth, Add</i>	56.28	
01 56 26 00-0030 EA 20' Wide, 4' High, Temporary Chain Link Fence Gate, Up To 6 Months.....	491.28	
<i>For Shade Cloth, Add</i>	75.03	
01 56 26 00-0031 EA 24' Wide, 4' High, Temporary Chain Link Fence Gate, Up To 6 Months.....	535.97	
<i>For Shade Cloth, Add</i>	90.04	
01 56 26 00-0032 6' High, Temporary Chain Link Fence Gates, Up To 6 Months <small>(01 56 26 00-0024)</small>		
01 56 26 00-0033 EA 4' Wide, 6' High, Temporary Chain Link Fence Gate, Up To 6 Months.....	210.12	
<i>For Shade Cloth, Add</i>	23.92	
01 56 26 00-0034 EA 10' Wide, 6' High, Temporary Chain Link Fence Gate, Up To 6 Months.....	326.84	
<i>For Shade Cloth, Add</i>	59.79	
01 56 26 00-0035 EA 12' Wide, 6' High, Temporary Chain Link Fence Gate, Up To 6 Months.....	373.53	
<i>For Shade Cloth, Add</i>	71.75	
01 56 26 00-0036 EA 15' Wide, 6' High, Temporary Chain Link Fence Gate, Up To 6 Months.....	420.25	
<i>For Shade Cloth, Add</i>	89.69	
01 56 26 00-0037 EA 20' Wide, 6' High, Temporary Chain Link Fence Gate, Up To 6 Months.....	513.62	
<i>For Shade Cloth, Add</i>	119.58	
01 56 26 00-0038 EA 24' Wide, 6' High, Temporary Chain Link Fence Gate, Up To 6 Months.....	560.31	
<i>For Shade Cloth, Add</i>	143.50	
01 56 26 00-0039 8' High, Temporary Chain Link Fence Gates, Up To 6 Months <small>(01 56 26 00-0024)</small>		
01 56 26 00-0040 EA 4' Wide, 8' High, Temporary Chain Link Fence Gate, Up To 6 Months.....	231.13	
<i>For Shade Cloth, Add</i>	33.77	
01 56 26 00-0041 EA 10' Wide, 8' High, Temporary Chain Link Fence Gate, Up To 6 Months.....	359.54	
<i>For Shade Cloth, Add</i>	84.41	
01 56 26 00-0042 EA 12' Wide, 8' High, Temporary Chain Link Fence Gate, Up To 6 Months.....	410.90	
<i>For Shade Cloth, Add</i>	101.30	
01 56 26 00-0043 EA 15' Wide, 8' High, Temporary Chain Link Fence Gate, Up To 6 Months.....	462.26	
<i>For Shade Cloth, Add</i>	126.62	

01	General Requirements
01 50	Temporary Facilities And Controls
01 56	Temporary Barriers And Enclosures



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 56 26 00-0044	EA		20' Wide, 8' High, Temporary Chain Link Fence Gate, Up To 6 Months.....	564.99	
			<i>For Shade Cloth, Add</i>	168.83	
01 56 26 00-0045	EA		24' Wide, 8' High, Temporary Chain Link Fence Gate, Up To 6 Months.....	616.35	
			<i>For Shade Cloth, Add</i>	202.59	
01 56 26 00-0046			10' High, Temporary Chain Link Fence Gates, Up To 6 Months (01 56 26 00-0024)		
01 56 26 00-0047	EA		4' Wide, 10' High, Temporary Chain Link Fence Gate, Up To 6 Months.....	288.91	
			<i>For Shade Cloth, Add</i>	44.55	
01 56 26 00-0048	EA		10' Wide, 10' High, Temporary Chain Link Fence Gate, Up To 6 Months.....	449.42	
			<i>For Shade Cloth, Add</i>	111.38	
01 56 26 00-0049	EA		12' Wide, 10' High, Temporary Chain Link Fence Gate, Up To 6 Months.....	513.62	
			<i>For Shade Cloth, Add</i>	133.65	
01 56 26 00-0050	EA		15' Wide, 10' High, Temporary Chain Link Fence Gate, Up To 6 Months.....	577.83	
			<i>For Shade Cloth, Add</i>	167.07	
01 56 26 00-0051	EA		20' Wide, 10' High, Temporary Chain Link Fence Gate, Up To 6 Months.....	706.23	
			<i>For Shade Cloth, Add</i>	222.76	
01 56 26 00-0052	EA		24' Wide, 10' High, Temporary Chain Link Fence Gate, Up To 6 Months.....	770.43	
			<i>For Shade Cloth, Add</i>	267.31	
01 56 26 00-0053			Temporary Chain Link Fence Gates, >6 To 12 Months (01 56 26 00-0023)		
01 56 26 00-0054			4' High, Temporary Chain Link Fence Gates, >6 To 12 Months (01 56 26 00-0053)		
01 56 26 00-0055	EA		4' Wide, 4' High, Temporary Chain Link Fence Gate, >6 To 12 Months	211.03	
			<i>For Shade Cloth, Add</i>	15.01	
01 56 26 00-0056	EA		10' Wide, 4' High, Temporary Chain Link Fence Gate, >6 To 12 Months	328.27	
			<i>For Shade Cloth, Add</i>	37.52	
01 56 26 00-0057	EA		12' Wide, 4' High, Temporary Chain Link Fence Gate, >6 To 12 Months	375.17	
			<i>For Shade Cloth, Add</i>	45.02	
01 56 26 00-0058	EA		15' Wide, 4' High, Temporary Chain Link Fence Gate, >6 To 12 Months	422.06	
			<i>For Shade Cloth, Add</i>	56.28	
01 56 26 00-0059	EA		20' Wide, 4' High, Temporary Chain Link Fence Gate, >6 To 12 Months	515.84	
			<i>For Shade Cloth, Add</i>	75.03	
01 56 26 00-0060	EA		24' Wide, 4' High, Temporary Chain Link Fence Gate, >6 To 12 Months	562.76	
			<i>For Shade Cloth, Add</i>	90.04	
01 56 26 00-0061			6' High, Temporary Chain Link Fence Gates, >6 To 12 Months (01 56 26 00-0053)		
01 56 26 00-0062	EA		4' Wide, 6' High, Temporary Chain Link Fence Gate, >6 To 12 Months	220.63	
			<i>For Shade Cloth, Add</i>	23.92	
01 56 26 00-0063	EA		10' Wide, 6' High, Temporary Chain Link Fence Gate, >6 To 12 Months	343.19	
			<i>For Shade Cloth, Add</i>	59.79	
01 56 26 00-0064	EA		12' Wide, 6' High, Temporary Chain Link Fence Gate, >6 To 12 Months	392.21	
			<i>For Shade Cloth, Add</i>	71.75	
01 56 26 00-0065	EA		15' Wide, 6' High, Temporary Chain Link Fence Gate, >6 To 12 Months	441.26	
			<i>For Shade Cloth, Add</i>	89.69	
01 56 26 00-0066	EA		20' Wide, 6' High, Temporary Chain Link Fence Gate, >6 To 12 Months	539.30	
			<i>For Shade Cloth, Add</i>	119.58	
01 56 26 00-0067	EA		24' Wide, 6' High, Temporary Chain Link Fence Gate, >6 To 12 Months	588.33	
			<i>For Shade Cloth, Add</i>	143.50	
01 56 26 00-0068			8' High, Temporary Chain Link Fence Gates, >6 To 12 Months (01 56 26 00-0053)		
01 56 26 00-0069	EA		4' Wide, 8' High, Temporary Chain Link Fence Gate, >6 To 12 Months	242.69	
			<i>For Shade Cloth, Add</i>	33.77	
01 56 26 00-0070	EA		10' Wide, 8' High, Temporary Chain Link Fence Gate, >6 To 12 Months	377.51	
			<i>For Shade Cloth, Add</i>	84.41	
01 56 26 00-0071	EA		12' Wide, 8' High, Temporary Chain Link Fence Gate, >6 To 12 Months	431.44	
			<i>For Shade Cloth, Add</i>	101.30	
01 56 26 00-0072	EA		15' Wide, 8' High, Temporary Chain Link Fence Gate, >6 To 12 Months	485.37	
			<i>For Shade Cloth, Add</i>	126.62	
01 56 26 00-0073	EA		20' Wide, 8' High, Temporary Chain Link Fence Gate, >6 To 12 Months	593.23	
			<i>For Shade Cloth, Add</i>	168.83	
01 56 26 00-0074	EA		24' Wide, 8' High, Temporary Chain Link Fence Gate, >6 To 12 Months	647.16	
			<i>For Shade Cloth, Add</i>	202.59	
01 56 26 00-0075			10' High, Temporary Chain Link Fence Gates, >6 To 12 Months (01 56 26 00-0053)		
01 56 26 00-0076	EA		4' Wide, 10' High, Temporary Chain Link Fence Gate, >6 To 12 Months	303.36	
			<i>For Shade Cloth, Add</i>	44.55	
01 56 26 00-0077	EA		10' Wide, 10' High, Temporary Chain Link Fence Gate, >6 To 12 Months	471.89	
			<i>For Shade Cloth, Add</i>	111.38	
01 56 26 00-0078	EA		12' Wide, 10' High, Temporary Chain Link Fence Gate, >6 To 12 Months	539.30	
			<i>For Shade Cloth, Add</i>	133.65	
01 56 26 00-0079	EA		15' Wide, 10' High, Temporary Chain Link Fence Gate, >6 To 12 Months	606.72	
			<i>For Shade Cloth, Add</i>	167.07	
01 56 26 00-0080	EA		20' Wide, 10' High, Temporary Chain Link Fence Gate, >6 To 12 Months	741.54	
			<i>For Shade Cloth, Add</i>	222.76	
01 56 26 00-0081	EA		24' Wide, 10' High, Temporary Chain Link Fence Gate, >6 To 12 Months	808.96	
			<i>For Shade Cloth, Add</i>	267.31	



General Requirements	01	10
Temporary Facilities And Controls	01 50	
Temporary Barriers And Enclosures	01 56	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 56 26 00-0082 Temporary Chain Link Fence Gates, >12 To 18 Months <small>(01 56 26 00-0023)</small>		
01 56 26 00-0083 4' High, Temporary Chain Link Fence Gates, >12 To 18 Months <small>(01 56 26 00-0082)</small>		
01 56 26 00-0084 EA 4' Wide, 4' High, Temporary Chain Link Fence Gate, >12 To 18 Months	221.58	
For Shade Cloth, Add	15.01	
01 56 26 00-0085 EA 10' Wide, 4' High, Temporary Chain Link Fence Gate, >12 To 18 Months	344.69	
For Shade Cloth, Add	37.52	
01 56 26 00-0086 EA 12' Wide, 4' High, Temporary Chain Link Fence Gate, >12 To 18 Months	393.93	
For Shade Cloth, Add	45.02	
01 56 26 00-0087 EA 15' Wide, 4' High, Temporary Chain Link Fence Gate, >12 To 18 Months	443.16	
For Shade Cloth, Add	56.28	
01 56 26 00-0088 EA 20' Wide, 4' High, Temporary Chain Link Fence Gate, >12 To 18 Months	541.64	
For Shade Cloth, Add	75.03	
01 56 26 00-0089 EA 24' Wide, 4' High, Temporary Chain Link Fence Gate, >12 To 18 Months	590.90	
For Shade Cloth, Add	90.04	
01 56 26 00-0090 6' High, Temporary Chain Link Fence Gates, >12 To 18 Months <small>(01 56 26 00-0082)</small>		
01 56 26 00-0091 EA 4' Wide, 6' High, Temporary Chain Link Fence Gate, >12 To 18 Months	231.66	
For Shade Cloth, Add	23.92	
01 56 26 00-0092 EA 10' Wide, 6' High, Temporary Chain Link Fence Gate, >12 To 18 Months	360.35	
For Shade Cloth, Add	59.79	
01 56 26 00-0093 EA 12' Wide, 6' High, Temporary Chain Link Fence Gate, >12 To 18 Months	411.82	
For Shade Cloth, Add	71.75	
01 56 26 00-0094 EA 15' Wide, 6' High, Temporary Chain Link Fence Gate, >12 To 18 Months	463.32	
For Shade Cloth, Add	89.69	
01 56 26 00-0095 EA 20' Wide, 6' High, Temporary Chain Link Fence Gate, >12 To 18 Months	566.27	
For Shade Cloth, Add	119.58	
01 56 26 00-0096 EA 24' Wide, 6' High, Temporary Chain Link Fence Gate, >12 To 18 Months	617.74	
For Shade Cloth, Add	143.50	
01 56 26 00-0097 8' High, Temporary Chain Link Fence Gates, >12 To 18 Months <small>(01 56 26 00-0082)</small>		
01 56 26 00-0098 EA 4' Wide, 8' High, Temporary Chain Link Fence Gate, >12 To 18 Months	254.82	
For Shade Cloth, Add	33.77	
01 56 26 00-0099 EA 10' Wide, 8' High, Temporary Chain Link Fence Gate, >12 To 18 Months	396.39	
For Shade Cloth, Add	84.41	
01 56 26 00-0100 EA 12' Wide, 8' High, Temporary Chain Link Fence Gate, >12 To 18 Months	453.02	
For Shade Cloth, Add	101.30	
01 56 26 00-0101 EA 15' Wide, 8' High, Temporary Chain Link Fence Gate, >12 To 18 Months	509.64	
For Shade Cloth, Add	126.62	
01 56 26 00-0102 EA 20' Wide, 8' High, Temporary Chain Link Fence Gate, >12 To 18 Months	622.90	
For Shade Cloth, Add	168.83	
01 56 26 00-0103 EA 24' Wide, 8' High, Temporary Chain Link Fence Gate, >12 To 18 Months	679.52	
For Shade Cloth, Add	202.59	
01 56 26 00-0104 10' High, Temporary Chain Link Fence Gates, >12 To 18 Months <small>(01 56 26 00-0082)</small>		
01 56 26 00-0105 EA 4' Wide, 10' High, Temporary Chain Link Fence Gate, >12 To 18 Months	318.53	
For Shade Cloth, Add	44.55	
01 56 26 00-0106 EA 10' Wide, 10' High, Temporary Chain Link Fence Gate, >12 To 18 Months	495.49	
For Shade Cloth, Add	111.38	
01 56 26 00-0107 EA 12' Wide, 10' High, Temporary Chain Link Fence Gate, >12 To 18 Months	566.27	
For Shade Cloth, Add	133.65	
01 56 26 00-0108 EA 15' Wide, 10' High, Temporary Chain Link Fence Gate, >12 To 18 Months	637.05	
For Shade Cloth, Add	167.07	
01 56 26 00-0109 EA 20' Wide, 10' High, Temporary Chain Link Fence Gate, >12 To 18 Months	778.62	
For Shade Cloth, Add	222.76	
01 56 26 00-0110 EA 24' Wide, 10' High, Temporary Chain Link Fence Gate, >12 To 18 Months	849.40	
For Shade Cloth, Add	267.31	
01 56 26 00-0111 Temporary Chain Link Fence Gates, >18 Months <small>(01 56 26 00-0023)</small>		
01 56 26 00-0112 4' High, Temporary Chain Link Fence Gates, >18 Months <small>(01 56 26 00-0111)</small>		
01 56 26 00-0113 EA 4' Wide, 4' High, Temporary Chain Link Fence Gate, >18 Months	232.13	
For Shade Cloth, Add	15.01	
01 56 26 00-0114 EA 10' Wide, 4' High, Temporary Chain Link Fence Gate, >18 Months	361.10	
For Shade Cloth, Add	37.52	
01 56 26 00-0115 EA 12' Wide, 4' High, Temporary Chain Link Fence Gate, >18 Months	412.68	
For Shade Cloth, Add	45.02	
01 56 26 00-0116 EA 15' Wide, 4' High, Temporary Chain Link Fence Gate, >18 Months	464.27	
For Shade Cloth, Add	56.28	
01 56 26 00-0117 EA 20' Wide, 4' High, Temporary Chain Link Fence Gate, >18 Months	567.43	
For Shade Cloth, Add	75.03	
01 56 26 00-0118 EA 24' Wide, 4' High, Temporary Chain Link Fence Gate, >18 Months	619.04	
For Shade Cloth, Add	90.04	
01 56 26 00-0119 6' High, Temporary Chain Link Fence Gates, >18 Months <small>(01 56 26 00-0111)</small>		
01 56 26 00-0120 EA 4' Wide, 6' High, Temporary Chain Link Fence Gate, >18 Months	242.69	
For Shade Cloth, Add	23.92	

01 General Requirements**01 50 Temporary Facilities And Controls****01 56 Temporary Barriers And Enclosures**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 56 26 00-0121 EA 10' Wide, 6' High, Temporary Chain Link Fence Gate, >18 Months	377.50	
For Shade Cloth, Add	59.79	
01 56 26 00-0122 EA 12' Wide, 6' High, Temporary Chain Link Fence Gate, >18 Months	431.43	
For Shade Cloth, Add	71.75	
01 56 26 00-0123 EA 15' Wide, 6' High, Temporary Chain Link Fence Gate, >18 Months	485.38	
For Shade Cloth, Add	89.69	
01 56 26 00-0124 EA 20' Wide, 6' High, Temporary Chain Link Fence Gate, >18 Months	593.23	
For Shade Cloth, Add	119.58	
01 56 26 00-0125 EA 24' Wide, 6' High, Temporary Chain Link Fence Gate, >18 Months	647.16	
For Shade Cloth, Add	143.50	
01 56 26 00-0126 8' High, Temporary Chain Link Fence Gates, >18 Months (01 56 26 00-0111)		
01 56 26 00-0127 EA 4' Wide, 8' High, Temporary Chain Link Fence Gate, >18 Months	266.96	
For Shade Cloth, Add	33.77	
01 56 26 00-0128 EA 10' Wide, 8' High, Temporary Chain Link Fence Gate, >18 Months	415.26	
For Shade Cloth, Add	84.41	
01 56 26 00-0129 EA 12' Wide, 8' High, Temporary Chain Link Fence Gate, >18 Months	474.59	
For Shade Cloth, Add	101.30	
01 56 26 00-0130 EA 15' Wide, 8' High, Temporary Chain Link Fence Gate, >18 Months	533.91	
For Shade Cloth, Add	126.62	
01 56 26 00-0131 EA 20' Wide, 8' High, Temporary Chain Link Fence Gate, >18 Months	652.56	
For Shade Cloth, Add	168.83	
01 56 26 00-0132 EA 24' Wide, 8' High, Temporary Chain Link Fence Gate, >18 Months	711.88	
For Shade Cloth, Add	202.59	
01 56 26 00-0133 10' High, Temporary Chain Link Fence Gates, >18 Months (01 56 26 00-0111)		
01 56 26 00-0134 EA 4' Wide, 10' High, Temporary Chain Link Fence Gate, >18 Months	333.69	
For Shade Cloth, Add	44.55	
01 56 26 00-0135 EA 10' Wide, 10' High, Temporary Chain Link Fence Gate, >18 Months	519.08	
For Shade Cloth, Add	111.38	
01 56 26 00-0136 EA 12' Wide, 10' High, Temporary Chain Link Fence Gate, >18 Months	593.23	
For Shade Cloth, Add	133.65	
01 56 26 00-0137 EA 15' Wide, 10' High, Temporary Chain Link Fence Gate, >18 Months	667.39	
For Shade Cloth, Add	167.07	
01 56 26 00-0138 EA 20' Wide, 10' High, Temporary Chain Link Fence Gate, >18 Months	815.70	
For Shade Cloth, Add	222.76	
01 56 26 00-0139 EA 24' Wide, 10' High, Temporary Chain Link Fence Gate, >18 Months	889.85	
For Shade Cloth, Add	267.31	
01 56 26 00-0140 Temporary Chain Link Fence Panels (Portable) (01 56 26 00-0001)		
Note: Includes set-up and removal. Excludes sandbags.		
01 56 26 00-0141 Temporary Chain Link Fence Panels (Portable), Up To 6 Months (01 56 26 00-0140)		
01 56 26 00-0142 LF Temporary 4' High Chain Link Fence Panels (Portable), Up To 6 Months.....	3.78	
For >100 To 250, Deduct	-0.19	
For >250 To 500, Deduct	-0.38	
For >500, Deduct	-0.57	
For Shade Cloth, Add	1.60	
01 56 26 00-0143 LF Temporary 6' High Chain Link Fence Panels (Portable), Up To 6 Months.....	4.23	
For >100 To 250, Deduct	-0.21	
For >250 To 500, Deduct	-0.42	
For >500, Deduct	-0.63	
For Shade Cloth, Add	2.55	
01 56 26 00-0144 LF Temporary 8' High Chain Link Fence Panels (Portable), Up To 6 Months.....	6.82	
For >100 To 250, Deduct	-0.34	
For >250 To 500, Deduct	-0.68	
For >500, Deduct	-1.02	
For Shade Cloth, Add	3.60	
01 56 26 00-0145 Temporary Chain Link Fence Panels (Portable), >6 To 12 Months (01 56 26 00-0140)		
01 56 26 00-0146 LF Temporary 4' High Chain Link Fence Panels (Portable), >6 To 12 Months	4.10	
For >100 To 250, Deduct	-0.21	
For >250 To 500, Deduct	-0.41	
For >500, Deduct	-0.62	
For Shade Cloth, Add	1.60	
01 56 26 00-0147 LF Temporary 6' High Chain Link Fence Panels (Portable), >6 To 12 Months	4.58	
For >100 To 250, Deduct	-0.23	
For >250 To 500, Deduct	-0.46	
For >500, Deduct	-0.69	
For Shade Cloth, Add	2.55	
01 56 26 00-0148 LF Temporary 8' High Chain Link Fence Panels (Portable), >6 To 12 Months	7.42	
For >100 To 250, Deduct	-0.37	
For >250 To 500, Deduct	-0.74	
For >500, Deduct	-1.11	
For Shade Cloth, Add	3.60	
01 56 26 00-0149 Temporary Chain Link Fence Panels (Portable), >12 To 18 Months (01 56 26 00-0140)		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 56 26 00-0150 LF Temporary 4' High Chain Link Fence Panels (Portable), >12 To 18 Months	4.42	
<i>For >100 To 250, Deduct</i>	-0.22	
<i>For >250 To 500, Deduct</i>	-0.44	
<i>For >500, Deduct</i>	-0.66	
<i>For Shade Cloth, Add</i>	1.60	
01 56 26 00-0151 LF Temporary 6' High Chain Link Fence Panels (Portable), >12 To 18 Months	4.99	
<i>For >100 To 250, Deduct</i>	-0.25	
<i>For >250 To 500, Deduct</i>	-0.50	
<i>For >500, Deduct</i>	-0.75	
<i>For Shade Cloth, Add</i>	2.55	
01 56 26 00-0152 LF Temporary 8' High Chain Link Fence Panels (Portable), >12 To 18 Months	8.09	
<i>For >100 To 250, Deduct</i>	-0.40	
<i>For >250 To 500, Deduct</i>	-0.81	
<i>For >500, Deduct</i>	-1.21	
<i>For Shade Cloth, Add</i>	3.60	
01 56 26 00-0153 Temporary Chain Link Fence Panels (Portable), >18 Months (01 56 26 00-0140)		
01 56 26 00-0154 LF Temporary 4' High Chain Link Fence Panels (Portable), >18 Months	4.83	
<i>For >100 To 250, Deduct</i>	-0.24	
<i>For >250 To 500, Deduct</i>	-0.48	
<i>For >500, Deduct</i>	-0.72	
<i>For Shade Cloth, Add</i>	1.60	
01 56 26 00-0155 LF Temporary 6' High Chain Link Fence Panels (Portable), >18 Months	5.39	
<i>For >100 To 250, Deduct</i>	-0.27	
<i>For >250 To 500, Deduct</i>	-0.54	
<i>For >500, Deduct</i>	-0.81	
<i>For Shade Cloth, Add</i>	2.55	
01 56 26 00-0156 LF Temporary 8' High Chain Link Fence Panels (Portable), >18 Months	8.79	
<i>For >100 To 250, Deduct</i>	-0.44	
<i>For >250 To 500, Deduct</i>	-0.88	
<i>For >500, Deduct</i>	-1.32	
<i>For Shade Cloth, Add</i>	3.60	
01 56 26 00-0157 Temporary Chain Link Fence Panels (Portable) Sandbags (01 56 26 00-0140)		
01 56 26 00-0158 BAG Temporary Chain Link Fence Panels (Portable) Sandbag.....	5.57	
Note: Includes placement and removal.		
01 56 26 00-0159 Relocate Chain Link Fence, Gates And Panels (01 56 26 00-0001)		
Note: Excludes auguring/drilling for posts.		
01 56 26 00-0160 Relocate Temporary Chain Link Fence On Site (01 56 26 00-0159)		
01 56 26 00-0161 LF Relocate Temporary 4' High Chain Link Fence And Posts	2.76	
01 56 26 00-0162 LF Relocate Temporary 6' High Chain Link Fence And Posts	4.13	
01 56 26 00-0163 LF Relocate Temporary 8' High Chain Link Fence And Posts	5.96	
01 56 26 00-0164 LF Relocate Temporary 10' High Chain Link Fence And Posts	7.33	
01 56 26 00-0165 Relocate Temporary Chain Link Fence Panels On Site (01 56 26 00-0159)		
01 56 26 00-0166 LF Relocate Temporary 4' High Chain Link Fence Panel, Self Standing	0.72	
01 56 26 00-0167 LF Relocate Temporary 6' High Chain Link Fence Panel, Self Standing	0.86	
01 56 26 00-0168 LF Relocate Temporary 8' High Chain Link Fence Panel, Self Standing	0.97	
01 56 26 00-0169 Relocate Temporary Chain Link Gates On Site (01 56 26 00-0159)		
01 56 26 00-0170 EA Relocate Temporary 4' High Chain Link Vehicle Gate And Posts.....	93.80	
01 56 26 00-0171 EA Relocate Temporary 6' High Chain Link Vehicle Gate And Posts.....	108.23	
01 56 26 00-0172 EA Relocate Temporary 8' High Chain Link Vehicle Gate And Posts.....	133.49	
01 56 26 00-0173 EA Relocate Temporary 10' High Chain Link Vehicle Gate And Posts.....	144.31	
01 56 26 00-0174 Temporary Safety Fence (01 56 26)		
Note: Includes removal after use.		
01 56 26 00-0175 LF 48" High With Posts At 8' On Center, Plastic Mesh Temporary Safety Fence	2.46	
01 56 29 Temporary Protective Walkways (01 56)		
01 56 29 00-0001 Temporary Walkways And Railings (01 56 29)		
01 56 29 00-0002 LF Temporary Wooden Guardrail With Top-Rail With Two Side Rails On 36" High 2 x 4 Posts 18" On Center Attached To Walkway.....	25.66	
Note: Excludes walkway.		
01 56 29 00-0003 SF Temporary Walkway With 3/4" Plywood On 2 x 6 Stringers	4.69	
01 56 29 00-0004 RSR Temporary Stairs On 2 x 12 Stringers (Cost Per Riser).....	16.81	
01 56 29 00-0005 Safety Nets (01 56 29)		
01 56 29 00-0006 SF Small Mesh Debris Netting	1.39	
Note: Includes 3" molded plastic base plates, plastic cable ties, and 1/4", 7x9 aircraft cable tied off to structure, not including anchors.		

01	01	General Requirements
	01 50	Temporary Facilities And Controls
	01 56	Temporary Barriers And Enclosures



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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01 56 33 Temporary Security Barriers (01 56)

01 56 33 00-0001	Temporary Fiberglass Panels (01 56 33)		
01 56 33 00-0002	SF Prefabricated Fiberglass Panels.....	1.56	
01 56 33 00-0003	Temporary Safety Guardrail (01 56 33)		
	Note: Includes removal after use.		
01 56 33 00-0004	LF 42" High, Wood Temporary Safety Guardrail.....	25.92	
	Note: Includes 2" x 4" construction, top, middle and bottom horizontal rails, and post boots. For Attachment To A Concrete Substrate, Add	1.13	
01 56 33 00-0005	Board-up Opening With Plywood (01 56 33)		
	Note: For use where directed by owner for boarding up door and window openings.		
01 56 33 00-0006	OPN Removal Of Protective Barrier To Allow Work In Building, Reseal At End Of Day, Per Opening Per Day.....	10.82	
01 56 33 00-0007	SF Board-up Opening With 5/8" Thick Plywood, 2" x 4" Wood Stud Framing And Fasteners.....	6.32	
01 56 33 00-0008	SF Board-up Opening With 3/4" Thick Plywood, 2" x 4" Wood Stud Framing And Fasteners.....	7.33	
01 56 33 00-0009	Street Barricade (01 56 33)		
01 56 33 00-0010	LF Temporary Street Barricade, Using 12" x 12" Beam As Base With 2" x 4" Top Warning Rail And Sides, Per Month.....	8.13	

01 56 39 Temporary Tree And Plant Protection (01 56)

01 56 39 00-0001	Temporary Tree Guards (01 56 39)		
	Note: Includes digging holes and removal.		
01 56 39 00-0002	EA Up To 4' x 4' Temporary Tree Guard, 2" x 4" Wood Stud Framing Construction, 4 Uprights Set In Earth 2' Deep, With Double Rail.....	139.84	
01 56 39 00-0003	EA 4' x 4' Temporary Tree Guard, 2" x 4" Wood Stud Framing Construction, 4 Uprights Set In Earth 2' Deep, With Double Rail.....	161.25	
01 56 39 00-0004	EA 6' x 6' Temporary Tree Guard, 2" x 4" Wood Stud Framing Construction, 4 Uprights Set In Earth 2' Deep, With Double Rail.....	174.25	

01 57 Temporary Controls (01 50)

01 57 13 Temporary Erosion And Sediment Control (01 57)
See CSI section 31 25 00 00-0000 for temporary erosion and sediment control.

01 57 23 Temporary Storm Water Pollution Control (01 57)
See CSI section 31 25 00 00-0000 for temporary storm water pollution control.

01 57 23 00-0001	Temporary Drain Guard (01 57 23)		
	Note: Includes removal after use.		
01 57 23 00-0002	EA 36" x 48" x 18" Non-Woven Polypropylene Trash and Debris Drain Guard (Ultra-Drain Guard® 9227).....	65.46	
01 57 23 00-0003	EA 36" x 48" x 18" Non-Woven Polypropylene Oil and Sediment Drain Guard (Ultra-Drain Guard® 9217).....	64.43	
	Note: Up to 0.87 gallons oil, up to 40 lbs sediment.		
01 57 23 00-0004	EA 36" x 48" x 18" Non-Woven Polypropylene Oil and Sediment Drain Guard (Ultra-Drain Guard® 9219).....	78.97	
	Note: Up to 1.38 gallons oil, up to 40 lbs sediment.		
01 57 23 00-0005	EA 60" x 60" x 18" Non-Woven Polypropylene Oil and Sediment Drain Guard (Ultra-Drain Guard® 9356).....	77.93	
	Note: Up to 1.55 gallons oil, up to 40 lbs sediment.		
01 57 23 00-0006	EA 60" x 60" x 18" Non-Woven Polypropylene Oil and Sediment Drain Guard (Ultra-Drain Guard® 9358).....	93.51	
	Note: Up to 2.06 gallons oil, up to 40 lbs sediment.		

01 58 Project Identification (01 50)

Note: Includes removal after use.

01 58 13 Temporary Project Signage (01 58)

01 58 13 00-0001	Project Sign (01 58 13)		
01 58 13 00-0002	MDO Plywood Signs (01 58 13 00-0001)		
	Note: Excludes posts.		
01 58 13 00-0003	Reflectorized, MDO Plywood Signs (01 58 13 00-0002)		
01 58 13 00-0004	Engineer Grade, Reflectorized, MDO Plywood Signs (01 58 13 00-0003)		
01 58 13 00-0005	EA Up To 8 SF, One Or Two Color Design, Engineer Grade, Reflectorized, MDO Plywood Sign.....	101.88	19.84
	For High-Intensity Grade, Add	21.77	
	For Diamond Grade, Add	41.98	
01 58 13 00-0006	EA >8 To 16 SF, One Or Two Color Design, Engineer Grade, Reflectorized, MDO Plywood Sign.....	165.88	20.74
	For High-Intensity Grade, Add	43.53	
	For Diamond Grade, Add	83.96	
01 58 13 00-0007	EA >16 To 24 SF, One Or Two Color Design, Engineer Grade, Reflectorized, MDO Plywood Sign.....	229.87	21.65
	For High-Intensity Grade, Add	65.30	
	For Diamond Grade, Add	125.93	
01 58 13 00-0008	EA >24 To 32 SF, One Or Two Color Design, Engineer Grade, Reflectorized, MDO Plywood Sign.....	293.87	22.55
	For High-Intensity Grade, Add	87.07	
	For Diamond Grade, Add	167.92	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 58 13 00-0009 SF >32 SF, One Or Two Color Design, Engineer Grade, Reflectorized, MDO Plywood Sign..... <i>For High-Intensity Grade, Add</i> <i>For Diamond Grade, Add</i>	9.21 2.72 5.24	0.72
01 58 13 00-0010 Non-Reflectorized, MDO Plywood Signs <small>(01 58 13 00-0002)</small>		
01 58 13 00-0011 One Or Two Color Design, Non-Reflectorized, MDO Plywood Signs <small>(01 58 13 00-0010)</small>		
01 58 13 00-0012 EA Up To 8 SF, One Or Two Color Design, Non Reflectorized, MDO Plywood Sign.....	124.07	19.84
01 58 13 00-0013 EA >8 To 16 SF, One Or Two Color Design, Non Reflectorized, MDO Plywood Sign	146.02	20.74
01 58 13 00-0014 EA >16 To 24 SF, One Or Two Color Design, Non Reflectorized, MDO Plywood Sign	179.94	21.65
01 58 13 00-0015 EA >24 To 32 SF, One Or Two Color Design, Non Reflectorized, MDO Plywood Sign	212.00	22.55
01 58 13 00-0016 SF >32 SF, One Or Two Color Design, Non Reflectorized, MDO Plywood Sign.....	6.66	0.72
01 58 13 00-0017 Full Color Design, Non-Reflectorized, MDO Plywood Signs <small>(01 58 13 00-0010)</small>		
01 58 13 00-0018 EA Up To 8 SF, Full Color Design, Non Reflectorized, MDO Plywood Sign.....	126.44	19.84
01 58 13 00-0019 EA >8 To 16 SF, Full Color Design, Non Reflectorized, MDO Plywood Sign	158.82	20.74
01 58 13 00-0020 EA >16 To 24 SF, Full Color Design, Non Reflectorized, MDO Plywood Sign	192.95	21.65
01 58 13 00-0021 EA >24 To 32 SF, Full Color Design, Non Reflectorized, MDO Plywood Sign	223.15	22.55
01 58 13 00-0022 SF >32 SF, Full Color Design, Non Reflectorized, MDO Plywood Sign	7.00	0.72
01 58 13 00-0023 Fabricate And Install New Posts <small>(01 58 13 00-0001)</small>		
<i>Note: Includes excavation, backfill and compaction. Excludes core drilling.</i>		
01 58 13 00-0024 LF Galvanized Metal Channel Sign Posts.....	11.73	
01 58 13 00-0025 LF 4" x 4" Pressure Treated Wood Sign Posts	9.41	
01 58 13 00-0026 LF 4" x 6" Pressure Treated Wood Sign Posts	10.87	
01 58 13 00-0027 Owner Supplied Signs <small>(01 58 13 00-0001)</small>		
01 58 13 00-0028 EA Installation And Removal Of Owner Supplied Project Sign.....	72.16	

01 60 Product Requirements (01)

01 66 Product Storage And Handling Requirements (01 60)

01 66 19 Material Handling (01 66)

Note: Not for use in conjunction with other tasks when the distance is less than 2 stories with attic (2-1/2 stories) or less than 125'.

01 66 19 00-0001 Material Handling Between Floors (01 66 19)

01 66 19 00-0002 CY Moving Material Via Stairs, Per CY Of Material Per Floor 7.93

Note: Quantity equals material volume times number of floors traveled.

01 66 19 00-0003 CY Moving Material Via Elevator, Per CY Of Material 4.76

Note: Quantity equals material volume. If more than one elevator is used, the quantity is factored by the number of transfers.

01 66 19 00-0004 Moving Furniture (01 66 19)

Note: To be used when contractor is required to move furniture. Not to be used when the amount of furniture is less than 55% of the total floor space. Moving of furniture which occupies less than 55% of the total floor space is considered as part of the coefficient adjustment factor.

01 66 19 00-0005 SF Removal, Transport, Return And Reinstallation Of Office Furniture 0.90

Note: Includes general, desks, tables, file cabinets (full), chairs, storage boxes, bookshelves, office equipment and computers (per SF of office area). Not to be used when amount of furniture is less than 55% of total floor space.

01 66 19 00-0006 Material Handling For Distances Greater Than 125' (01 66 19)

01 66 19 00-0007 CY Handling Material For Over 125' Per CY Of Material Per 125' 3.76

Note: For delivery, demolition or miscellaneous moving required by owner.

01 66 19 00-0008 Rubbish Handling Between Floors (01 66 19)

Note: Only use with selective demolition tasks to transfer demolished material more than 2-1/2 stories.

01 66 19 00-0009 CY Rubbish Handling Via Stairs, Per CY Of Material Per Floor 7.21

Note: Quantity equals material volume times bulk factor times number of floors traveled.

01 66 19 00-0010 CY Rubbish Handling Via Elevator, Per CY Of Material 4.32

Note: Quantity equals material volume times bulk factor. If more than one elevator is used, the quantity is factored by the number of transfers.

01 70 Execution And Closeout Requirements (01)

01 71 Examination And Preparation (01 70)

01 71 13 Mobilization (01 71)

01	01	General Requirements
	01 70	Execution And Closeout Requirements
	01 71	Examination And Preparation



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 71 13 00-0001	Equipment Delivery, Pickup, Mobilization And Demobilization ^(01 71 13)	
Note: Excludes flagman for traffic control where necessary.		
01 71 13 00-0002 EA	Equipment Delivery, Pickup, Mobilization And Demobilization Using A Rollback Flatbed Truck	201.32
Note: Includes delivery of equipment, off loading on site, rigging, dismantling, loading and transporting away. For equipment such as trenchers, skid-steer loaders (bobcats), industrial warehouse forklifts, sweepers, scissor platform lifts, telescoping and articulating boom manlifts with up to 40' boom lengths, etc.		
01 71 13 00-0003 EA	Equipment Delivery, Pickup, Mobilization And Demobilization Using A Tractor Trailer With Up To 53' Bed.....	402.63
Note: Includes delivery of equipment, off loading on site, rigging, dismantling, loading and transporting away. For equipment such as bulldozers, motor scrapers, hydraulic excavators, gradalls, road graders, loader-backhoes, heavy duty construction loaders, tractors, pavers, rollers, bridge finishers, straight mast construction forklifts, telescoping boom rough terrain construction forklifts, telescoping and articulating boom manlifts with >40' boom lengths, etc.		
01 71 13 00-0004	Crane Delivery, Pickup, Mobilization And Demobilization ^(01 71 13)	
Note: Includes delivery of equipment, off loading on site and rigging. Return includes dismantling, loading and transporting away. Excludes flagman for traffic control where necessary.		
01 71 13 00-0005 EA	Up To 20 Ton Lift Move On/Off Cost, Hydraulic Crane.....	260.40
Note: Includes delivery and pickup.		
For >30 To 60 Miles Radius, Add		65.10
For >60 To 100 Miles Radius, Add		104.16
01 71 13 00-0006 EA	20 To 30 Ton Lift Move On/Off Cost, Hydraulic Crane.....	374.98
Note: Includes delivery and pickup.		
For >30 To 60 Miles Radius, Add		93.75
For >60 To 100 Miles Radius, Add		149.99
01 71 13 00-0007 EA	40 To 50 Ton Lift Move On/Off Cost, Hydraulic Crane.....	499.97
Note: Includes delivery and pickup.		
For >30 To 60 Miles Radius, Add		124.99
For >60 To 100 Miles Radius, Add		199.99
01 71 13 00-0008 EA	70 To 100 Ton Lift Move On/Off Cost, Hydraulic Crane.....	812.45
Note: Includes delivery and pickup.		
For >30 To 60 Miles Radius, Add		203.11
For >60 To 100 Miles Radius, Add		324.98
01 71 13 00-0009 EA	75 Ton Lift Move On/Off Cost, Cable Controlled Lattice Boom Mechanical Crane	641.63
Note: Includes delivery and pickup.		
For >30 To 60 Miles Radius, Add		160.41
For >60 To 100 Miles Radius, Add		256.65
01 71 13 00-0010 EA	100 Ton Lift Move On/Off Cost, Cable Controlled Lattice Boom Mechanical Crane	1,041.60
Note: Includes delivery and pickup.		
For >30 To 60 Miles Radius, Add		260.40
For >60 To 100 Miles Radius, Add		416.64
01 71 13 00-0011 EA	125 Ton Lift Move On/Off Cost, Cable Controlled Lattice Boom Mechanical Crane	1,291.58
Note: Includes delivery and pickup.		
For >30 To 60 Miles Radius, Add		322.90
For >60 To 100 Miles Radius, Add		516.63
01 71 13 00-0012 EA	150 Ton Lift Move On/Off Cost, Cable Controlled Lattice Boom Mechanical Crane	1,604.06
Note: Includes delivery and pickup.		
For >30 To 60 Miles Radius, Add		401.02
For >60 To 100 Miles Radius, Add		641.62
01 71 13 00-0013 EA	250 Ton Lift Move On/Off Cost, Cable Controlled Lattice Boom Mechanical Crane	2,916.48
Note: Includes delivery and pickup.		
For >30 To 60 Miles Radius, Add		729.12
For >60 To 100 Miles Radius, Add		1,166.59
01 71 13 00-0014 EA	300 Ton Lift Move On/Off Cost, Cable Controlled Lattice Boom Mechanical Crane	4,166.40
Note: Includes delivery and pickup.		
For >30 To 60 Miles Radius, Add		1,041.60
For >60 To 100 Miles Radius, Add		1,666.56
01 71 13 00-0015 EA	500 Ton Lift Move On/Off Cost, Cable Controlled Lattice Boom Mechanical Crane	6,249.60
Note: Includes delivery and pickup.		
For >30 To 60 Miles Radius, Add		1,562.40
For >60 To 100 Miles Radius, Add		2,499.84
01 71 23	Field Engineering ^(01 71)	
01 71 23 16	Construction Surveying ^(01 71 23)	
01 71 23 16-0001	Survey Crew ^(01 71 23 16)	
01 71 23 16-0002 HR	2 Person Survey Crew (Unit Of Measure Is Per Crew Hour Worked)	210.41
Note: Includes surveyor, rodman, equipment and instruments.		
01 71 23 16-0003 HR	3 Person Survey Crew (Unit Of Measure Is Per Crew Hour Worked)	286.61
Note: Includes surveyor, rodman, chainman, equipment and instruments.		
01 71 23 16-0004 HR	4 Person Survey Crew (Unit Of Measure Is Per Crew Hour Worked)	409.95
Note: Includes two surveyors, rodman, chainman, equipment and instruments.		
01 71 23 16-0005	Conventional Topographic Survey ^(01 71 23 16)	
Note: The professional services include AutoCAD drafting and certification. The survey includes location of structures, walks, drives, parking, significant vegetation, utilities, etc. The area within building footprint is not to be considered as part of the acreage.		
01 71 23 16-0006 ACR	Survey Clear Area With Few To No Obstacles	782.47
01 71 23 16-0007 ACR	Survey Clear Area With Medium Height Vegetation, Few Trees (<5% Buildings)	2,248.97
01 71 23 16-0008 ACR	Survey Clear Area With Few Structures, And/Or Wooded (5-25% Buildings).....	3,224.47
01 71 23 16-0009 ACR	Survey Developed Areas With Several Structures (25-65% Buildings).....	4,889.31
01 71 23 16-0010 ACR	Survey Highly Developed Areas, Sidewalks, Etcetera (>65% Buildings).....	6,136.57



General Requirements	01	10
Execution And Closeout Requirements	01 70	
Examination And Preparation	01 71	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 71 23 16-0011 Property Lines Survey <small>(01 71 23 16)</small> Note: Not to be added to tasks in the "Conventional Topographic Survey" section.		
01 71 23 16-0012 LF Survey Property Lines On Cleared Land	1.87	
01 71 23 16-0013 LF Survey Property Lines On Slightly Wooded Land	2.15	
01 71 23 16-0014 LF Survey Property Lines On Wooded Land	2.52	
01 71 23 16-0015 Survey Monument <small>(01 71 23 16)</small>		
01 71 23 16-0016 EA 3' Precast Survey Monument	120.31	
<i>For Owner Furnished Monument, Deduct</i>	-52.60	
01 71 23 16-0017 EA Precast Survey Monument Box With Cast Iron Frame And Cover.....	167.60	
01 71 23 16-0018 EA Riser Ring For Survey Monument.....	84.36	
01 71 23 16-0019 EA Adjust Survey Monument Cover To Grade	52.60	
01 71 23 16-0020 Facade Surveying <small>(01 71 23 16)</small>		
01 71 23 16-0021 LF Facade Survey And Reports (LF Of Facade x Number Of Floors)	5.12	
01 71 23 16-0022 Utility Survey <small>(01 71 23 16)</small> Note: This survey is only for the location of underground utilities.		
01 71 23 16-0023 ACR Survey Clear Area For Underground Utilities.....	4,239.91	
01 71 36 Non-Destructive Concrete Examination <small>(01 71)</small>		
01 71 36 00-0001 X-Ray And Electromagnetic Survey <small>(01 71 36)</small> Note: To locate reinforcing bars, conduits, pipes, etc., prior to core drilling or cutting existing concrete, masonry or asphalt. Electromagnetic survey includes Subsurface Interface Radar (SIR) and/or Ground Penetrating Radar (GPR). Includes printed reports.		
01 71 36 00-0002 X-Ray Or Electromagnetic Survey Minimum Set-Up Charge <small>(01 71 36 00-0001)</small>		
01 71 36 00-0003 EA X-Ray Or Electromagnetic Survey Minimum Set-Up Charge.....	728.79	
Note: For projects where the total charges are less than the minimum set-up charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.		
01 71 36 00-0004 X-Ray Survey <small>(01 71 36 00-0001)</small>		
01 71 36 00-0005 EA X-Ray Survey Up To 2 SF Of Concrete, Masonry Or Asphalt	138.52	
<i>For >8 To 25, Deduct</i>	-31.25	
01 71 36 00-0006 Electromagnetic (SIR/GPR) Survey <small>(01 71 36 00-0001)</small>		
01 71 36 00-0007 EA Electromagnetic (SIR/GPR) Survey Up To 4 SF Of Concrete, Masonry Or Asphalt.....	277.05	
01 71 36 00-0008 EA Electromagnetic (SIR/GPR) Survey >4 To 500 SF Of Concrete, Masonry Or Asphalt	554.10	
01 71 36 00-0009 SF Electromagnetic (SIR/GPR) Survey >500 SF Of Concrete, Masonry Or Asphalt	1.11	
01 74 Cleaning And Waste Management <small>(01 70)</small>		
01 74 13 Progress Cleaning <small>(01 74)</small> Note: For use on existing areas other than where actual work is to be performed where ordered by the owner. Daily cleanup and final cleanup is included in the contractor's adjustment factor.		
01 74 13 00-0001 General <small>(01 74 13)</small>		
01 74 13 00-0002 CSF Clean Miscellaneous Surfaces, Wipe Down With Mild Detergent.....	18.06	
01 74 13 00-0003 CY Collect Existing Debris And Load Into Truck Or Dumpster	21.15	
Note: Per CY of debris removed.		
01 74 16 Site Maintenance <small>(01 74)</small>		
01 74 16 00-0001 Parking Lot, Roads And Pathway Maintenance <small>(01 74 16)</small> Note: These tasks shall be used for maintenance of existing roads and walks only as requested by the owner. Do not use these tasks in conjunction with related installation/demolition tasks in the Construction Task Catalog®.		
01 74 16 00-0002 Parking Lot, Road, And Street Sweeping <small>(01 74 16 00-0001)</small>		
01 74 16 00-0003 MSF Sweep Parking Lot, With Street Sweeper.....	15.11	
01 74 16 00-0004 MSF Sweeper/Vacuum/Sprayer For Parking Lots, Streets And Roads.....	18.13	
01 74 16 00-0005 Runway Sweeping <small>(01 74 16 00-0001)</small>		
01 74 16 00-0006 MSF Sweep Runway, With Street Sweep	22.67	
01 74 19 Construction Waste Management And Disposal <small>(01 74)</small> Note: Tasks in this section shall be used as directed by owner.		
01 74 19 00-0001 Debris Chutes <small>(01 74 19)</small> Note: Includes hopper sections and entry sections. Used as required for buildings of all heights.		

01	General Requirements
01 70	Execution And Closeout Requirements
01 74	Cleaning And Waste Management



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 74 19 00-0002			Steel Temporary Debris Chutes (01 74 19 00-0001)		
01 74 19 00-0003	LF		18" Diameter, Steel Temporary Debris Chute.....	25.92	
01 74 19 00-0004	LF		30" Diameter, Steel Temporary Debris Chute.....	38.51	
01 74 19 00-0005			Plastic Temporary Debris Chutes (01 74 19 00-0001)		
01 74 19 00-0006	LF		24" Diameter, Plastic Temporary Debris Chute	10.23	
			<i>For Steel Liner, Add</i>	1.92	
01 74 19 00-0007	LF		30" Diameter, Plastic Temporary Debris Chute	11.72	
			<i>For Steel Liner, Add</i>	2.21	
01 74 19 00-0008	LF		36" Diameter, Plastic Temporary Debris Chute	13.21	
			<i>For Steel Liner, Add</i>	2.49	
01 74 19 00-0009			Wood Temporary Debris Chutes (01 74 19 00-0001)		
01 74 19 00-0010	LF		4' x 4', Wood Temporary Debris Chute	19.19	
			Note: Includes fabrication and installation.		
01 74 19 00-0011			Construction Dumpsters Rental (01 74 19)		
			Note: Includes delivery and pick-up of dumpster, hauling of debris, rental of dumpster and all applicable non-hazardous disposal fees. Cost of "each" is based on each pick-up. Unacceptable materials include: aerosol cans, all liquids, animals, antifreeze, appliances, asbestos, barrels, batteries, chemical products, computers, contaminated oils (mixed with solvents, gasoline, etc.), dirt, fluorescent tubes, hazardous waste, herbicides & pesticides, industrial waste, lubricating/hydraulic oil, mattresses, medical waste, microwaves, monitors, motor oil, oil filters, other flammable liquids, paint (except completely dried latex paint cans, no liquids), petroleum-contaminated soil/lead paint chips, propane tanks, radioactive material, railroad ties, solvents, televisions, tires, and transmission oil.		
01 74 19 00-0012	EA		6 CY Dumpster (1 Ton) "Construction Debris"	263.99	
			Note: Includes delivery of dumpster, rental cost, pick-up cost, hauling, and disposal fee. Non-hazardous material.		
			<i>For Each Ton Over Indicated Amount, Add</i>	81.00	
01 74 19 00-0013	EA		10 CY Dumpster (1.5 Ton) "Construction Debris"	391.48	
			Note: Includes delivery of dumpster, rental cost, pick-up cost, hauling, and disposal fee. Non-hazardous material.		
			<i>For Each Ton Over Indicated Amount, Add</i>	81.00	
01 74 19 00-0014	EA		15 CY Dumpster (2 Ton) "Construction Debris"	512.35	
			Note: Includes delivery of dumpster, rental cost, pick-up cost, hauling, and disposal fee. Non-hazardous material.		
			<i>For Each Ton Over Indicated Amount, Add</i>	81.00	
01 74 19 00-0015	EA		20 CY Dumpster (3 Ton) "Construction Debris"	488.50	
			Note: Includes delivery of dumpster, rental cost, pick-up cost, hauling, and disposal fee. Non-hazardous material.		
			<i>For Each Ton Over Indicated Amount, Add</i>	81.00	
01 74 19 00-0016	EA		30 CY Dumpster (4 Ton) "Construction Debris"	579.48	
			Note: Includes delivery of dumpster, rental cost, pick-up cost, hauling, and disposal fee. Non-hazardous material.		
			<i>For Each Ton Over Indicated Amount, Add</i>	81.00	
01 74 19 00-0017	EA		40 CY Dumpster (5 Ton) "Construction Debris"	630.00	
			Note: Includes delivery of dumpster, rental cost, pick-up cost, hauling, and disposal fee. Non-hazardous material.		
			<i>For Each Ton Over Indicated Amount, Add</i>	81.00	
01 74 19 00-0018	EA		10 CY Low-Boy Dumpster "Concrete Or Asphalt Only"	630.00	
			Note: Includes delivery of dumpster, rental cost, pick-up cost, hauling, and disposal fee. Concrete or asphalt only.		
01 74 19 00-0019	EA		15 CY Low-Boy Dumpster Clean Recyclable.....	723.60	
			Note: For clean dirt, rock, concrete brick or asphalt with no trash or organics. Includes service to deliver and pick-up dumpster, hauling, rental and disposal fee.		
01 74 19 00-0020	EA		15 CY Low-Boy Dumpster Mixed Recyclable	777.60	
			Note: For mixed dirt, rock, concrete brick or asphalt with no trash or organics. Includes service to deliver and pick-up dumpster, hauling, rental and disposal fee.		
01 74 19 00-0021			Concrete Washout Service (01 74 19)		
01 74 19 00-0022	MO		Rampless Concrete Washout Bin	420.40	
			Note: Includes delivery.		
01 74 19 00-0023	MO		Ramped Concrete Washout Bin.....	504.48	
			Note: Includes delivery.		
01 74 19 00-0024	EA		Interim Vacuum Service, Concrete Washout Bin	310.98	
			Note: Includes vacuum and recycle excess clear liquid from the unfilled bin to allow additional space for washout material.		
01 74 19 00-0025	EA		Vacuum, Pickup, Swap And Dump, Concrete Washout Bin	673.79	
			Note: Includes vacuum the liquid from the full bin and pick up the bin, and recycle all material. An empty bin will be left at the site if the project is not completed.		
01 74 19 00-0026			Debris Processing Fee (01 74 19)		
01 74 19 00-0027			Recycler Fees (01 74 19 00-0026)		
			Note: Does not apply with use of dumpsters. Excludes hauling.		
01 74 19 00-0028	TRK		Drop-Off Mixed Materials At Recycling Center, Concrete And Asphalt, Clean (Semi-Truck Load).....	210.66	
01 74 19 00-0029	TRK		Drop-Off Mixed Materials At Recycling Center, Concrete And Asphalt, With Metal And Rebar.....	217.35	
01 74 19 00-0030			Landfill Dump Fees (01 74 19 00-0026)		
			Note: Does not apply when material is transferred to owner's site or facility, or with use of dumpsters. Excludes hauling. See CSI section 01 74 19 00-0038 for hauling.		
01 74 19 00-0031	CY		Traditional Building Construction Materials Landfill Dump Fee.....	19.27	
01 74 19 00-0032	CY		Trees, Stumps And Brush, Landfill Dump Fee.....	23.20	
01 74 19 00-0033	CY		Rubbish Landfill Dump Fee.....	18.92	



General Requirements	01	10
Execution And Closeout Requirements	01 70	
Cleaning And Waste Management	01 74	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 74 19 00-0034 CY Hazardous Materials And Rubbish (Paint Cans, Etcetera) Landfill Dump Fee	55.33	
01 74 19 00-0035 CY Excavated Dirt Landfill Dump Fee	18.56	
01 74 19 00-0036 CY Asphalt, Concrete, Gravel And Subgrade Material, Landfill Dump Fee	39.31	
01 74 19 00-0037 TON Traditional Building Construction Materials, Landfill Dump Fee.....	84.00	
 01 74 19 00-0038 Hauling <small>(01 74 19)</small>		
<small>Note: Includes driver and equipment, ten (10) to fifteen (15) minutes load time, time for travel, dump time and return (roundtrip). The task quantity is the number of miles to the disposal site/transfer station (one way mileage) times the number of cubic yards being transported. For example, to haul 8 CY to a site 14 miles away, the quantity is calculated as follows: 14 miles x 8 CY = 112 CYM. Use both hauling tasks for distances greater than 15 miles. To haul 28 CY to a site 32 miles away, the quantity for the task to haul the first 15 miles is calculated: 15 miles x 28 CY = 420 CYM. The quantity for the additional hauling task over the first 15 miles is calculated: 32 total miles less 15 initial miles equals 17 miles x 28 CY = 476 CYM.</small>		
01 74 19 00-0039 CYM Hauling On Paved Roads, First 15 Miles	0.65	
01 74 19 00-0040 CYM Hauling On Paved Roads, Miles Over Initial 15 Miles.....	0.44	
01 74 19 00-0041 CYM Hauling On Unimproved Roads, First 15 Miles	1.00	
01 74 19 00-0042 CYM Hauling On Unimproved Roads, Miles Over Initial 15 Miles.....	0.78	
 01 74 23 Final Cleaning <small>(01 74)</small>		
01 74 23 00-0001 Glass <small>(01 74 23)</small>		
01 74 23 00-0002 CSF Clean Existing Glass Surfaces.....	23.52	

END OF SECTION 01

01	01	General Requirements
	01 70	Execution And Closeout Requirements
	01 74	Cleaning And Waste Management



MINOR	TOTAL DIRECT	DEMOLITION
CSI UOM DESCRIPTION	UNIT COST	UNIT COST

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Existing Conditions	02	02
Assessment	02 20	
Existing Material Assessment	02 25	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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02 Existing Conditions

02 20 Assessment ⁽⁰²⁾

02 25 Existing Material Assessment ^(02 20)

02 25 16 Existing Concrete, Masonry Or Asphalt Assessment ^(02 25)

See CSI section 01 71 36 00-0000 for non-destructive concrete examination.

02 30 Subsurface Investigation ⁽⁰²⁾

02 32 Geotechnical Investigations ^(02 30)

02 32 13 Subsurface Drilling And Sampling ^(02 32)

See CSI section 01 45 23 00-0000 for testing and lab reports.

02 32 13 00-0001 Mobilization Of Drilling Crew ^(02 32 13)

02 32 13 00-0002 EA Mobilization Of Drilling Crew 923.30

02 32 13 00-0003 Auger Borings ^(02 32 13)

02 32 13 00-0004 LF Standard Auger Hole With Split Spoon Sample At 5' Intervals 22.79

02 32 13 00-0005 Cased Borings In Earth, With Samples ^(02 32 13)

Note: All types of soils.

02 32 13 00-0006 LF 2-1/2" Diameter Cased Borings In Earth, With Samples 32.58

02 32 13 00-0007 LF 4" Diameter Cased Borings In Earth, With Samples 35.72

02 32 13 00-0008 Drilling In Rock, AW Core (1.25") ^(02 32 13)

02 32 13 00-0009 LF Drill In Rock, AW Core 67.08

Note: Includes sampling.

02 32 13 00-0010 EA Drill In Rock, With AW Core Boxes 5.71

02 32 13 00-0011 Drilling In Rock, BW Core (2.125") ^(02 32 13)

02 32 13 00-0012 LF Drill In Rock, BW Core 72.11

Note: Includes sampling.

02 32 13 00-0013 LF Drill In Rock, BW Core, With Casing 77.93

Note: Includes sampling.

02 32 13 00-0014 EA Drill In Rock, With BW Core Boxes 5.71

02 32 13 00-0015 Drilling In Rock, NW Core (2.98") ^(02 32 13)

02 32 13 00-0016 LF Drill In Rock, NW Core 80.03

Note: Includes sampling.

02 32 13 00-0017 LF Drill In Rock, NW Core, With Casing 86.82

Note: Includes sampling.

02 32 13 00-0018 EA Drill In Rock, With NW Core Boxes 6.57

02 32 13 00-0019 Test Pits For Boring Activities ^(02 32 13)

Note: Excludes backfill. See CSI section 31 23 16 36-0016 for backfill.

02 32 13 00-0020 Backhoe Dug Test Pits ^(02 32 13 00-0019)

02 32 13 00-0021 CY Excavation For Test Pit, Light Material, Backhoe Excavation 50.08

02 32 13 00-0022 CY Excavation For Test Pits, Medium Material, Backhoe Excavation 58.43

02 32 13 00-0023 CY Excavation For Test Pit, Heavy Material, Backhoe Excavation 77.91

02 32 13 00-0024 Hand-Dug Test Pits ^(02 32 13 00-0019)

02 32 13 00-0025 CY Excavation For Test Pit, Light Soil, Hand Excavation 160.35

02 32 13 00-0026 CY Excavation For Test Pit, Heavy Soil, Hand Excavation 288.62

02 32 13 00-0027 Shelby Tube Sampling ^(02 32 13)

02 32 13 00-0028 EA Shelby Tube Sampling 27.16

02 32 13 00-0029 EA Penetration Test 22.13

02 32 13 00-0030 Grouting ^(02 32 13)

02 32 13 00-0031 VLF Boreholes 5.15

02 40 Demolition And Structure Moving ⁽⁰²⁾



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

02 41 Demolition (02 40)

02 41 13 Selective Site Demolition (02 41)

02 41 13 13 Paving Removal (02 41 13)

Note: Includes break-up of material, loading into truck or dumpster and clean-up. Salvage tasks include placement on pallets and storage on site.

02 41 13 13-0001 By Machine, Break-up And Leave In Place Bituminous And Concrete Paving (02 41 13 13)

Note: Includes slabs, pavements, sidewalks and base courses. Includes work around obstacles. These tasks are not to be used in conjunction with any other loading activities or other break-up tasks. Excludes saw cutting. See CSI section 02 41 13 13-0018 for breaking-up, removal and loading as a combined operation, 02 41 19 13-0001 for saw cutting.

02 41 13 13-0002	SY	Up To 3" By Machine, Break-up And Leave In Place Bituminous Paving	5.06
		For >500 To 1,000, Deduct	-0.51
		For >1,000 To 2,500, Deduct	-0.91
		For >2,500 To 5,000, Deduct	-1.32
		For >5,000 To 10,000, Deduct	-1.72
		For >10,000, Deduct	-2.13
02 41 13 13-0003	SY	>3" To 6" By Machine, Break-up And Leave In Place Bituminous Paving	7.60
		For >500 To 1,000, Deduct	-0.76
		For >1,000 To 2,500, Deduct	-1.37
		For >2,500 To 5,000, Deduct	-1.98
		For >5,000 To 10,000, Deduct	-2.58
		For >10,000, Deduct	-3.19
02 41 13 13-0004	SY	>6" To 8" By Machine, Break-up And Leave In Place Bituminous Paving	10.13
		For >500 To 1,000, Deduct	-1.01
		For >1,000 To 2,500, Deduct	-1.82
		For >2,500 To 5,000, Deduct	-2.63
		For >5,000 To 10,000, Deduct	-3.44
		For >10,000, Deduct	-4.25
02 41 13 13-0005	SY	Up To 3" By Machine, Break-up And Leave In Place Concrete Paving	9.15
		For >500 To 1,000, Deduct	-0.92
		For >1,000 To 2,500, Deduct	-1.65
		For >2,500 To 5,000, Deduct	-2.38
		For >5,000 To 10,000, Deduct	-3.11
		For >10,000, Deduct	-3.84
02 41 13 13-0006	SY	>3" To 6" By Machine, Break-up And Leave In Place Concrete Paving	12.91
		For >500 To 1,000, Deduct	-1.29
		For >1,000 To 2,500, Deduct	-2.32
		For >2,500 To 5,000, Deduct	-3.36
		For >5,000 To 10,000, Deduct	-4.39
		For >10,000, Deduct	-5.42
02 41 13 13-0007	SY	>6" To 9" By Machine, Break-up And Leave In Place Concrete Paving	18.31
		For >500 To 1,000, Deduct	-1.83
		For >1,000 To 2,500, Deduct	-3.30
		For >2,500 To 5,000, Deduct	-4.76
		For >5,000 To 10,000, Deduct	-6.23
		For >10,000, Deduct	-7.69
02 41 13 13-0008	SY	>9" To 14" By Machine, Break-up And Leave In Place Concrete Paving.....	25.84
		For >500 To 1,000, Deduct	-2.58
		For >1,000 To 2,500, Deduct	-4.65
		For >2,500 To 5,000, Deduct	-6.72
		For >5,000 To 10,000, Deduct	-8.79
		For >10,000, Deduct	-10.85
02 41 13 13-0009	SY	>14" To 19" By Machine, Break-up And Leave In Place Concrete Paving.....	33.79
		For >500 To 1,000, Deduct	-3.38
		For >1,000 To 2,500, Deduct	-6.08
		For >2,500 To 5,000, Deduct	-8.79
		For >5,000 To 10,000, Deduct	-11.49
		For >10,000, Deduct	-14.19
02 41 13 13-0010	SY	>19" To 24" By Machine, Break-up And Leave In Place Concrete Paving.....	43.93
		For >500 To 1,000, Deduct	-4.39
		For >1,000 To 2,500, Deduct	-7.91
		For >2,500 To 5,000, Deduct	-11.42
		For >5,000 To 10,000, Deduct	-14.94
		For >10,000, Deduct	-18.45

02 41 13 13-0011 By Hand, Break-up And Leave In Place Bituminous And Concrete Paving (02

41 13 13)

Note: Includes slabs, pavements, sidewalks and base courses. Includes work around obstacles with jackhammer and hand tools. For individual work areas up to 100 SF where conventional equipment access is limited or prohibited. Task is only to be used when requested by owner. These tasks are not to be used in conjunction with any other loading activities or other break-up tasks. Excludes saw cutting. See CSI section 02 41 13 13-0018 for breaking-up, removal and loading as a combined operation, 02 41 13 13-0032 for breaking-up, removal and loading as a combined operation, 02 41 19 13-0001 for saw cutting.

02 41 13 13-0012	SF	Up To 3" By Hand, Break-up And Leave In Place Bituminous Paving	1.35
02 41 13 13-0013	SF	>3" To 6" By Hand, Break-up And Leave In Place Bituminous Paving	1.71
02 41 13 13-0014	SF	>6" To 8" By Hand, Break-up And Leave In Place Bituminous Paving	2.26
02 41 13 13-0015	SF	Up To 3" By Hand, Break-up And Leave In Place Concrete Paving	1.69
02 41 13 13-0016	SF	>3" To 6" By Hand, Break-up And Leave In Place Concrete Paving	2.14
02 41 13 13-0017	SF	Break-Up >6" To 8" Concrete Paving By Hand With Material Left In Place After Break-up	2.83



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 41 13 13-0018 By Machine, Break-up And Remove Bituminous And Concrete Paving <small>(02 41 13 13)</small>		
<small>Note: Includes slabs, pavements, sidewalks and base courses. Includes work around obstacles, breaking into manageable sizes by machine and loading into truck, dumpster or moving material to stockpile. Excludes saw cutting. See CSI section 02 41 19 13-0001 for saw cutting.</small>		
02 41 13 13-0019 SY Up To 3" By Machine, Break-up And Remove Bituminous Paving	10.21	
For Additional Cost Of Hand Held Equipment Usage (Around Existing Structures And Obstructions), Add	3.06	
<small>Note: (Around Existing Structures And Obstructions), Add</small>		
For Elevated Slab, Add	5.11	
For >500 To 1,000, Deduct	-1.02	
For >1,000 To 2,500, Deduct	-1.84	
For >2,500 To 5,000, Deduct	-2.65	
For >5,000 To 10,000, Deduct	-3.47	
For >10,000, Deduct	-4.29	
02 41 13 13-0020 SY >3" To 6" By Machine, Break-up And Remove Bituminous Paving.....	13.94	
For Additional Cost Of Hand Held Equipment Usage (Around Existing Structures And Obstructions), Add	4.18	
<small>Note: (Around Existing Structures And Obstructions), Add</small>		
For Elevated Slab, Add	6.97	
For >500 To 1,000, Deduct	-1.39	
For >1,000 To 2,500, Deduct	-2.51	
For >2,500 To 5,000, Deduct	-3.62	
For >5,000 To 10,000, Deduct	-4.74	
For >10,000, Deduct	-5.85	
02 41 13 13-0021 SY Up To 3" By Machine, Break-up And Remove Non Reinforced Concrete Paving.....	11.75	
For Additional Cost Of Hand Held Equipment Usage (Around Existing Structures And Obstructions), Add	3.53	
<small>Note: (Around Existing Structures And Obstructions), Add</small>		
For Elevated Slab, Add	5.88	
For >500 To 1,000, Deduct	-1.18	
For >1,000 To 2,500, Deduct	-2.12	
For >2,500 To 5,000, Deduct	-3.06	
For >5,000 To 10,000, Deduct	-4.00	
For >10,000, Deduct	-4.94	
02 41 13 13-0022 SY >3" To 6" By Machine, Break-up And Remove Non Reinforced Concrete Paving.....	15.37	
For Additional Cost Of Hand Held Equipment Usage (Around Existing Structures And Obstructions), Add	4.61	
<small>Note: (Around Existing Structures And Obstructions), Add</small>		
For Elevated Slab, Add	7.69	
For >500 To 1,000, Deduct	-1.54	
For >1,000 To 2,500, Deduct	-2.77	
For >2,500 To 5,000, Deduct	-4.00	
For >5,000 To 10,000, Deduct	-5.23	
For >10,000, Deduct	-6.46	
02 41 13 13-0023 SY Up To 3" By Machine, Break-up And Remove Welded Wire Reinforced Concrete Paving.....	15.59	
For Additional Cost Of Hand Held Equipment Usage (Around Existing Structures And Obstructions), Add	4.68	
<small>Note: (Around Existing Structures And Obstructions), Add</small>		
For Elevated Slab, Add	7.80	
For >500 To 1,000, Deduct	-1.56	
For >1,000 To 2,500, Deduct	-2.81	
For >2,500 To 5,000, Deduct	-4.05	
For >5,000 To 10,000, Deduct	-5.30	
For >10,000, Deduct	-6.55	
02 41 13 13-0024 SY >3" To 6" By Machine, Break-up And Remove Welded Wire Reinforced Concrete Paving.....	20.20	
For Additional Cost Of Hand Held Equipment Usage (Around Existing Structures And Obstructions), Add	6.06	
<small>Note: (Around Existing Structures And Obstructions), Add</small>		
For Elevated Slab, Add	10.10	
For >500 To 1,000, Deduct	-2.02	
For >1,000 To 2,500, Deduct	-3.64	
For >2,500 To 5,000, Deduct	-5.25	
For >5,000 To 10,000, Deduct	-6.87	
For >10,000, Deduct	-8.48	
02 41 13 13-0025 SY >6" To 9" By Machine, Break-up And Remove Welded Wire Reinforced Concrete Paving.....	33.49	
For Additional Cost Of Hand Held Equipment Usage (Around Existing Structures And Obstructions), Add	10.05	
<small>Note: (Around Existing Structures And Obstructions), Add</small>		
For Elevated Slab, Add	16.75	
For >500 To 1,000, Deduct	-3.35	
For >1,000 To 2,500, Deduct	-6.03	
For >2,500 To 5,000, Deduct	-8.71	
For >5,000 To 10,000, Deduct	-11.39	
For >10,000, Deduct	-14.07	
02 41 13 13-0026 SY Up To 3" By Machine, Break-up And Remove Rod Reinforced Concrete Paving.....	16.92	
For Elevated Slab, Add	8.46	
For >500 To 1,000, Deduct	-1.69	
For >1,000 To 2,500, Deduct	-3.05	
For >2,500 To 5,000, Deduct	-4.40	
For >5,000 To 10,000, Deduct	-5.75	
For >10,000, Deduct	-7.11	
02 41 13 13-0027 SY >3" To 6" By Machine, Break-up And Remove Rod Reinforced Concrete Paving.....	21.75	
For Elevated Slab, Add	10.88	
For >500 To 1,000, Deduct	-2.18	
For >1,000 To 2,500, Deduct	-3.92	
For >2,500 To 5,000, Deduct	-5.66	
For >5,000 To 10,000, Deduct	-7.40	
For >10,000, Deduct	-9.14	

02	Existing Conditions
02 40	Demolition And Structure Moving
02 41	Demolition



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 41 13 13-0028 SY >6" To 9" By Machine, Break-up And Remove Rod Reinforced Concrete Paving.....	38.87	
For Elevated Slab, Add	19.44	
For >500 To 1,000, Deduct	-3.89	
For >1,000 To 2,500, Deduct	-7.00	
For >2,500 To 5,000, Deduct	-10.11	
For >5,000 To 10,000, Deduct	-13.22	
For >10,000, Deduct	-16.33	
02 41 13 13-0029 SY >9" To 14" By Machine, Break-up And Remove Rod Reinforced Concrete Paving.....	50.74	
For Elevated Slab, Add	25.37	
For >500 To 1,000, Deduct	-5.07	
For >1,000 To 2,500, Deduct	-9.13	
For >2,500 To 5,000, Deduct	-13.19	
For >5,000 To 10,000, Deduct	-17.25	
For >10,000, Deduct	-21.31	
02 41 13 13-0030 SY >14" To 19" By Machine, Break-up And Remove Rod Reinforced Concrete Paving.....	66.33	
For Elevated Slab, Add	33.17	
For >500 To 1,000, Deduct	-6.63	
For >1,000 To 2,500, Deduct	-11.94	
For >2,500 To 5,000, Deduct	-17.25	
For >5,000 To 10,000, Deduct	-22.55	
For >10,000, Deduct	-27.86	
02 41 13 13-0031 SY >19" To 24" By Machine, Break-up And Remove Rod Reinforced Concrete Paving.....	80.50	
For Elevated Slab, Add	40.25	
For >500 To 1,000, Deduct	-8.05	
For >1,000 To 2,500, Deduct	-14.49	
For >2,500 To 5,000, Deduct	-20.93	
For >5,000 To 10,000, Deduct	-27.37	
For >10,000, Deduct	-33.81	
02 41 13 13-0032 By Hand, Break-up And Remove Bituminous And Concrete Paving (02 41 13 13)		
Note: Includes slabs, pavements, sidewalks and base courses. Includes work around obstacles. Work includes breaking into manageable size with jackhammer and hand tools, removal and loading onto a truck or dumpster. For individual work areas up to 100 SF where conventional equipment access is limited or prohibited. Task is only to be used when requested by owner. Excludes saw cutting. See CSI section 02 41 19 13-0001 for saw cutting.		
02 41 13 13-0033 SF Up To 3" By Hand, Break-up And Remove Bituminous Paving.....	3.01	
02 41 13 13-0034 SF >3" To 6" By Hand, Break-up And Remove Bituminous Paving.....	3.96	
02 41 13 13-0035 SF >6" To 8" By Hand, Break-up And Remove Bituminous Paving.....	5.16	
02 41 13 13-0036 SF Up To 3" By Hand, Break-up And Remove Concrete Paving.....	3.76	
02 41 13 13-0037 SF >3" To 6" By Hand, Break-up And Remove Concrete Paving.....	5.20	
02 41 13 13-0038 SF >6" To 8" By Hand, Break-up And Remove Concrete Paving.....	6.66	
02 41 13 13-0039 Grind Concrete (02 41 13 13)		
02 41 13 13-0040 EA Grind Existing Sidewalks Up To 1/2" Depth To Remove Ridges (Tripping Hazard).....	177.89	
Note: For each location up to 5' wide, feather up to 12" each direction.		
For >1/2" To 1" Depth Of Grinding, Add	26.68	
For >1" To 1-1/2" Depth Of Grinding, Add	44.47	
For Up To 5, Add	35.58	
For >5 To 10, Add	17.79	
For >25 To 50, Deduct	-17.79	
For >50 To 250, Deduct	-26.68	
For >250, Deduct	-35.58	
For Sidewalks >5', Add	17.79	
For Up To 12" Additional Feathering Per Side, Add	17.79	
02 41 16 Structure Demolition (02 41)		
02 41 16 13 Building Demolition (02 41 16)		
02 41 16 13-0001 Building Interior Demolition (02 41 16 13)		
Note: Guttered and placed in truck or dumpsters. Based on overall floor area including space under demolished walls. Includes all soft stripping of materials (doors and frames, non-load bearing walls, carpet, moldings, drywall, tile, ceiling, ductwork, piping, light fixtures, etc.), accessible mechanical, electrical, plumbing, overhead sprinkler, fire protection and similar systems. Excludes lead, asbestos or other contaminants or load bearing walls, mechanical, plumbing or electrical equipment such as furnaces, water heaters, plumbing fixtures, sump pumps, switchgear or panelboards. Excludes hauling, dump fees, recycling charges, and/or salvage value.		
02 41 16 13-0002 GSF Residential Building Interior Demolition, Gutting And Placing Into Dumpster Or Truck.....	6.03	
02 41 16 13-0003 GSF Up To 2,000 SF Commercial Building Interior Demolition, Gutting And Placing Into Dumpster Or Truck.....	9.13	
02 41 16 13-0004 GSF >2,000 To 10,000 SF Commercial Building Interior Demolition, Gutting And Placing Into Dumpster Or Truck.....	7.47	
02 41 16 13-0005 GSF >10,000 SF Commercial Building Interior Demolition, Gutting And Placing Into Dumpster Or Truck.....	6.64	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 41 16 13-0006 Commercial And Residential Structures Demolition <small>(02 41 16 13)</small>		
<p>Note: Complete demolition of structures. Includes site and building safety preparation, signage, dust control, scattered debris and other site clean-up, demolition equipment, and repair of any damaged adjacent property. Excludes (if required) utility disconnects and capping, underground or above ground storage tank removal, adjacent property protection, cleanup and work, site paving and concrete, recycling fees, gutting/soft stripping (selective removal of materials for reuse) of building, site security, hazardous material abatement (including lead, asbestos, and PCBs), surveys, clearing and grubbing of site, cranes, traffic control, elevator removal, major mechanical equipment such as boilers, chillers, cooling towers, Etc., excavation or backfill, foundations, basement floor, slab-on grade, temporary fencing (installation and removal), hauling, disposal and dump fees for all debris (site and building), earthwork and erosion control. Pricing is by Hundred Cubic Foot (CCF) of complete building volume being demolished. For computing building volume, height is computed at actual floor-to-floor dimensions with attic and basement each computed at half-height, width and length are actual dimensions. Excludes salvage value.</p>		
02 41 16 13-0007 Steel Framed Building Demolition <small>(02 41 16 13-0006)</small>		
<p>Note: Includes masonry partitions and concrete decks.</p>		
02 41 16 13-0008 CCF By Pneumatic Tools/Hand, Steel Framed Building Demolition	54.23	
For Floor-To-Floor (Or Floor-To-Structure) Heights >12' To 15', Deduct	-4.07	
For Floor-To-Floor (Or Floor-To-Structure) Heights >15' To 18', Deduct	-8.13	
For Floor-To-Floor (Or Floor-To-Structure) Heights >18' To 21', Deduct	-12.20	
For Up To 500, Add	16.27	
For >500 To 1,000, Add	10.85	
For >1,000 To 2,000, Add	5.42	
For Volume Of Area Within 15' To An Adjacent Building, Add	17.90	
For No Interior Partitions, Deduct	-13.56	
02 41 16 13-0009 CCF By Machine, Steel Framed Building Demolition	32.76	
For Floor-To-Floor (Or Floor-To-Structure) Heights >12' To 15', Deduct	-2.46	
For Floor-To-Floor (Or Floor-To-Structure) Heights >15' To 18', Deduct	-4.91	
For Floor-To-Floor (Or Floor-To-Structure) Heights >18' To 21', Deduct	-7.37	
For Up To 500, Add	9.83	
For >500 To 1,000, Add	6.55	
For >1,000 To 2,000, Add	3.28	
For Work >3 Stories To 6 Stories (Exclude Volume Below), Add	4.91	
For Work >6 Stories To 10 Stories (Exclude Volume Below), Add	8.19	
For Work >10 Stories To 15 Stories (Exclude Volume Below), Add	11.47	
For Volume Of Area Within 15' To An Adjacent Building, Add	10.81	
For No Interior Partitions, Deduct	-8.19	
02 41 16 13-0010 Reinforced Concrete Building Demolition <small>(02 41 16 13-0006)</small>		
02 41 16 13-0011 CCF By Pneumatic Tools/Hand, Reinforced Concrete Building Demolition	68.06	
For Floor-To-Floor (Or Floor-To-Structure) Heights >12' To 15', Deduct	-5.10	
For Floor-To-Floor (Or Floor-To-Structure) Heights >15' To 18', Deduct	-10.21	
For Floor-To-Floor (Or Floor-To-Structure) Heights >18' To 21', Deduct	-15.31	
For Up To 500, Add	20.42	
For >500 To 1,000, Add	13.61	
For >1,000 To 2,000, Add	6.81	
For Volume Of Area Within 15' To An Adjacent Building, Add	22.46	
For No Interior Partitions, Deduct	-17.02	
02 41 16 13-0012 CCF By Machine, Reinforced Concrete Building Demolition	43.25	
For Floor-To-Floor (Or Floor-To-Structure) Heights >12' To 15', Deduct	-3.24	
For Floor-To-Floor (Or Floor-To-Structure) Heights >15' To 18', Deduct	-6.49	
For Floor-To-Floor (Or Floor-To-Structure) Heights >18' To 21', Deduct	-9.73	
For Up To 500, Add	12.98	
For >500 To 1,000, Add	8.65	
For >1,000 To 2,000, Add	4.33	
For Work >3 Stories To 6 Stories (Exclude Volume Below), Add	6.49	
For Work >6 Stories To 10 Stories (Exclude Volume Below), Add	10.81	
For Work >10 Stories To 15 Stories (Exclude Volume Below), Add	15.14	
For Volume Of Area Within 15' To An Adjacent Building, Add	14.27	
For No Interior Partitions, Deduct	-10.81	
02 41 16 13-0013 Masonry Construction Building Demolition <small>(02 41 16 13-0006)</small>		
02 41 16 13-0014 CCF By Pneumatic Tools/Hand, Masonry Construction Building Demolition	47.82	
For Floor-To-Floor (Or Floor-To-Structure) Heights >12' To 15', Deduct	-3.59	
For Floor-To-Floor (Or Floor-To-Structure) Heights >15' To 18', Deduct	-7.17	
For Floor-To-Floor (Or Floor-To-Structure) Heights >18' To 21', Deduct	-10.76	
For Up To 500, Add	14.35	
For >500 To 1,000, Add	9.56	
For >1,000 To 2,000, Add	4.78	
For Volume Of Area Within 15' To An Adjacent Building, Add	15.78	
For No Interior Partitions, Deduct	-11.96	
02 41 16 13-0015 CCF By Machine, Masonry Construction Building Demolition	29.39	
For Floor-To-Floor (Or Floor-To-Structure) Heights >12' To 15', Deduct	-2.20	
For Floor-To-Floor (Or Floor-To-Structure) Heights >15' To 18', Deduct	-4.41	
For Floor-To-Floor (Or Floor-To-Structure) Heights >18' To 21', Deduct	-6.61	
For Up To 500, Add	8.82	
For >500 To 1,000, Add	5.88	
For >1,000 To 2,000, Add	2.94	
For Work >3 Stories To 6 Stories (Exclude Volume Below), Add	4.41	
For Work >6 Stories To 10 Stories (Exclude Volume Below), Add	7.35	
For Work >10 Stories To 15 Stories (Exclude Volume Below), Add	10.29	
For Volume Of Area Within 15' To An Adjacent Building, Add	9.70	
For No Interior Partitions, Deduct	-7.35	

02	Existing Conditions
02 40	Demolition And Structure Moving
02 41	Demolition



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

02 41 16 13-0016	Wood Frame Construction Building Demolition (02 41 16 13-0006)	
02 41 16 13-0017	CCF By Pneumatic Tools/Hand, Wood Frame Construction Building Demolition	41.57
	<i>For Floor-To-Floor (Or Floor-To-Structure) Heights >12' To 15', Deduct</i>	-3.12
	<i>For Floor-To-Floor (Or Floor-To-Structure) Heights >15' To 18', Deduct</i>	-6.24
	<i>For Floor-To-Floor (Or Floor-To-Structure) Heights >18' To 21', Deduct</i>	-9.35
	<i>For Up To 500, Add</i>	12.47
	<i>For >500 To 1,000, Add</i>	8.31
	<i>For >1,000 To 2,000, Add</i>	4.16
	<i>For Volume Of Area Within 15' To An Adjacent Building, Add</i>	13.72
	<i>For No Interior Partitions, Deduct</i>	-10.39
02 41 16 13-0018	CCF By Machine, Wood Frame Construction Building Demolition	25.15
	<i>For Floor-To-Floor (Or Floor-To-Structure) Heights >12' To 15', Deduct</i>	-1.89
	<i>For Floor-To-Floor (Or Floor-To-Structure) Heights >15' To 18', Deduct</i>	-3.77
	<i>For Floor-To-Floor (Or Floor-To-Structure) Heights >18' To 21', Deduct</i>	-5.66
	<i>For Up To 500, Add</i>	7.55
	<i>For >500 To 1,000, Add</i>	5.03
	<i>For >1,000 To 2,000, Add</i>	2.52
	<i>For Work >3 Stories To 6 Stories (Exclude Volume Below), Add</i>	3.77
	<i>For Volume Of Area Within 15' To An Adjacent Building, Add</i>	8.30
	<i>For No Interior Partitions, Deduct</i>	-6.29
02 41 16 13-0019	Sorting Of Material Debris For Recycling Prior To Hauling Off (02 41 16 13-0006)	
	Note: Per building volume.	
02 41 16 13-0020	CCF Sorting Of Material Debris For Recycling Prior To Hauling Off	7.93
	<i>For Up To 500, Add</i>	2.38
	<i>For >500 To 1,000, Add</i>	1.59
	<i>For >1,000 To 2,000, Add</i>	0.79
02 41 16 13-0021	Foundation Demolition (02 41 16 13)	
	Note: Excludes earthwork. See CSI section 31 00 00 00-0000 for earthwork.	
02 41 16 13-0022	Concrete Foundation Demolition (02 41 16 13-0021)	
02 41 16 13-0023	CF Non Reinforced Concrete Foundation Demolition	11.42
02 41 16 13-0024	SF 4" Thick Non Reinforced Concrete Foundation Wall Demolition	4.89
02 41 16 13-0025	SF 6" Thick Non Reinforced Concrete Foundation Wall Demolition	6.52
02 41 16 13-0026	SF 8" Thick Non Reinforced Concrete Foundation Wall Demolition	8.15
02 41 16 13-0027	SF 10" Thick Non Reinforced Concrete Foundation Wall Demolition	9.79
02 41 16 13-0028	SF 12" Thick Non Reinforced Concrete Foundation Wall Demolition	11.42
02 41 16 13-0029	SF 16" Thick Non Reinforced Concrete Foundation Wall Demolition	13.04
02 41 16 13-0030	CF Reinforced Concrete Foundation Demolition	13.70
02 41 16 13-0031	SF 4" Thick Reinforced Concrete Foundation Wall Demolition	5.87
02 41 16 13-0032	SF 6" Thick Reinforced Concrete Foundation Wall Demolition	7.82
02 41 16 13-0033	SF 8" Thick Reinforced Concrete Foundation Wall Demolition	9.79
02 41 16 13-0034	SF 10" Thick Reinforced Concrete Foundation Wall Demolition	11.58
02 41 16 13-0035	SF 12" Thick Reinforced Concrete Foundation Wall Demolition	13.70
02 41 16 13-0036	SF 16" Thick Reinforced Concrete Foundation Wall Demolition	15.66
02 41 16 13-0037	Concrete Block Foundation Wall Demolition (02 41 16 13-0021)	
02 41 16 13-0038	SF 4" Thick Non Reinforced Concrete Block Foundation Wall Demolition	3.58
02 41 16 13-0039	SF 6" Thick Non Reinforced Concrete Block Foundation Wall Demolition	3.83
02 41 16 13-0040	SF 8" Thick Non Reinforced Concrete Block Foundation Wall Demolition	4.32
02 41 16 13-0041	SF 10" Thick Non Reinforced Concrete Block Foundation Wall Demolition	4.97
02 41 16 13-0042	SF 12" Thick Non Reinforced Concrete Block Foundation Wall Demolition	5.54
02 41 16 13-0043	SF 16" Thick Non Reinforced Concrete Block Foundation Wall Demolition	6.93
02 41 16 13-0044	SF 4" Thick Reinforced Concrete Block Foundation Wall Demolition	4.31
02 41 16 13-0045	SF 6" Thick Reinforced Concrete Block Foundation Wall Demolition	4.60
02 41 16 13-0046	SF 8" Thick Reinforced Concrete Block Foundation Wall Demolition	5.18
02 41 16 13-0047	SF 10" Thick Reinforced Concrete Block Foundation Wall Demolition	5.97
02 41 16 13-0048	SF 12" Thick Reinforced Concrete Block Foundation Wall Demolition	6.65
02 41 16 13-0049	SF 16" Thick Reinforced Concrete Block Foundation Wall Demolition	8.32
02 41 16 13-0050	Brick Foundation Wall Demolition (02 41 16 13-0021)	
02 41 16 13-0051	SF 4" Thick Brick Foundation Wall Demolition	3.58
02 41 16 13-0052	SF 6" Thick Brick Foundation Wall Demolition	3.83
02 41 16 13-0053	SF 8" Thick Brick Foundation Wall Demolition	4.32
02 41 16 13-0054	SF 10" Thick Brick Foundation Wall Demolition	4.97
02 41 16 13-0055	SF 12" Thick Brick Foundation Wall Demolition	5.54
02 41 16 13-0056	SF 16" Thick Brick Foundation Wall Demolition	6.93
02 41 16 13-0057	Stone Foundation Demolition (02 41 16 13-0021)	
02 41 16 13-0058	CF Stone Footing Or Foundation Wall Demolition	11.42
02 41 16 13-0059	Other Foundation Demolition (02 41 16 13-0021)	
02 41 16 13-0060	CF Concrete Footing For Fence, Gate Or Playground Equipment Post, Etc. Demolition	11.56
	Note: Includes excavation.	



Existing Conditions	02
Demolition And Structure Moving	02 40
Demolition	02 41

02

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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02 41 19 Selective Demolition (02 41)

02 41 19 13 Selective Building Demolition (02 41 19)

02 41 19 13-0001 Saw Cutting (02 41 19 13)

Note: Includes blade wear, water, taping off area, layout, clean-up and mist spray with wet vacuuming for dust control where necessary. For projects where the total saw cutting charge is less than the minimum charge, use task "Saw Cut Minimum Charge" exclusively. Task "Saw Cut Minimum Charge" should not be used in conjunction with any other tasks in this section.

02 41 19 13-0002	LF	Saw Cut Bituminous Paving Up To 4" Depth.....	1.84
		<i>For Each Additional Pass (Depth To 3"), Add</i>	<i>0.68</i>
		<i>For >250, Deduct</i>	<i>-0.17</i>
02 41 19 13-0003	LF	Saw Cut Brick Masonry Up To 4" Depth.....	6.35
		<i>For Each Additional Pass (Depth To 3"), Add</i>	<i>2.48</i>
		<i>For >250, Deduct</i>	<i>-0.61</i>
02 41 19 13-0004	LF	Saw Cut Concrete Block Up To 4" Depth.....	5.78
		<i>For Each Additional Pass (Depth To 3"), Add</i>	<i>2.25</i>
		<i>For >250, Deduct</i>	<i>-0.56</i>
02 41 19 13-0005	LF	Saw Cut Non Reinforced Concrete Slab Or Paving Up To 4" Depth.....	2.15
		<i>For Each Additional Pass (Depth To 3"), Add</i>	<i>0.79</i>
		<i>For >250, Deduct</i>	<i>-0.19</i>
02 41 19 13-0006	LF	Saw Cut Welded Wire Reinforced Concrete Slab Up To 4" Depth.....	2.79
		<i>For Each Additional Pass (Depth To 3"), Add</i>	<i>1.03</i>
		<i>For >250, Deduct</i>	<i>-0.25</i>
02 41 19 13-0007	LF	Saw Cut Rod Reinforced Concrete Slab Up To 4" Depth.....	4.43
		<i>For Each Additional Pass (Depth To 3"), Add</i>	<i>1.68</i>
		<i>For >250, Deduct</i>	<i>-0.41</i>
02 41 19 13-0008	LF	Saw Cut Plain Concrete Walls Up To 4" Depth.....	8.08
		<i>For Each Additional Pass (Depth To 3"), Add</i>	<i>3.16</i>
		<i>For >250, Deduct</i>	<i>-0.78</i>
02 41 19 13-0009	LF	Saw Cut Rod Reinforced Concrete Walls Up To 4" Depth.....	10.85
		<i>For Each Additional Pass (Depth To 3"), Add</i>	<i>4.25</i>
		<i>For >250, Deduct</i>	<i>-1.05</i>
02 41 19 13-0010	LF	Saw Cut In Streets, Concrete And Asphalt Up To 4" Depth.....	1.98
		<i>For Each Additional Pass (Depth To 3"), Add</i>	<i>0.73</i>
		<i>For >250, Deduct</i>	<i>-0.18</i>
02 41 19 13-0011	LF	Saw Cut Igneous Stone Pavements Up To 4" Depth.....	5.82
		<i>For Each Additional Pass (Depth To 3"), Add</i>	<i>2.26</i>
		<i>For >250, Deduct</i>	<i>-0.56</i>
02 41 19 13-0012	LF	Saw Cut Sedimentary Stone Pavements Up To 4" Depth.....	5.82
		<i>For Each Additional Pass (Depth To 3"), Add</i>	<i>2.26</i>
		<i>For >250, Deduct</i>	<i>-0.56</i>
02 41 19 13-0013	LF	Saw Cut Metamorphic Stone Pavements Up To 4" Depth.....	5.82
		<i>For Each Additional Pass (Depth To 3"), Add</i>	<i>2.26</i>
		<i>For >250, Deduct</i>	<i>-0.56</i>
02 41 19 13-0014	LF	Saw Cut Terrazzo Stone Pavements Up To 4" Depth.....	5.82
		<i>For Each Additional Pass (Depth To 3"), Add</i>	<i>2.26</i>
		<i>For >250, Deduct</i>	<i>-0.56</i>
02 41 19 13-0015	EA	Saw Cut Minimum Charge.....	699.34

Note: For projects where the total saw cutting charge is less than the minimum charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.

02 41 19 13-0016 Torch Cutting (02 41 19 13)

Note: Includes grinding edge

02 41 19 13-0017	LF	Up To 1/2", Torch Cut Steel Plate.....	2.40
02 41 19 13-0018	LF	>1/2" To 1" Thick, Torch Cut Steel Plate.....	4.81
02 41 19 13-0019	LF	>1" To 1-1/2" Thick, Torch Cut Steel Plate.....	7.22
02 41 19 13-0020	LF	>1-1/2" To 2" Thick, Torch Cut Steel Plate.....	9.62
02 41 19 13-0021	LF	>2" To 2-1/2" Thick, Torch Cut Steel Plate.....	12.03
02 41 19 13-0022	LF	>2-1/2" To 3" Thick, Torch Cut Steel Plate.....	14.44
02 41 19 13-0023	EA	Torch Cutting Minimum Charge.....	713.71

Note: For projects where the total torch cutting charge is less than the minimum charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.

02 41 19 13-0024 Drilling (02 41 19 13)

Note: Includes drill bit wear, water, layout, set-up and clean-up.

02 41 19 13-0025 Concrete Core Drilling (02 41 19 13-0024)

02 41 19 13-0026 Up To 4" Thick Concrete Core Drilling (02 41 19 13-0025)

02 41 19 13-0027	EA	Drill 1" Diameter Core In Up To 4" Concrete.....	33.26
		<i>For Horizontal Cores, Add</i>	<i>5.89</i>
		<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	<i>11.79</i>
02 41 19 13-0028	EA	Drill 1-1/2" Diameter Core In Up To 4" Concrete.....	36.53
		<i>For Horizontal Cores, Add</i>	<i>6.55</i>
		<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	<i>13.10</i>
02 41 19 13-0029	EA	Drill 2" Diameter Core In Up To 4" Concrete.....	40.17
		<i>For Horizontal Cores, Add</i>	<i>7.28</i>
		<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	<i>14.55</i>
02 41 19 13-0030	EA	Drill 3" Diameter Core In Up To 4" Concrete.....	57.06
		<i>For Horizontal Cores, Add</i>	<i>10.40</i>
		<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	<i>20.79</i>

02 Existing Conditions**02 40 Demolition And Structure Moving****02 41 Demolition**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 41 19 13-0031 EA Drill 4" Diameter Core In Up To 4" Concrete.....	76.51	
For Horizontal Cores, Add	13.93	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	27.86	
02 41 19 13-0032 EA Drill 6" Diameter Core In Up To 4" Concrete.....	86.60	
For Horizontal Cores, Add	15.59	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	31.19	
02 41 19 13-0033 EA Drill 8" Diameter Core In Up To 4" Concrete.....	136.58	
For Horizontal Cores, Add	24.95	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	49.90	
02 41 19 13-0034 EA Drill 10" Diameter Core In Up To 4" Concrete.....	172.08	
For Horizontal Cores, Add	31.19	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	62.38	
02 41 19 13-0035 EA Drill 12" Diameter Core In Up To 4" Concrete.....	201.27	
For Horizontal Cores, Add	36.39	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	72.78	
02 41 19 13-0036 EA Drill 14" Diameter Core In Up To 4" Concrete.....	230.91	
For Horizontal Cores, Add	41.58	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	83.16	
02 41 19 13-0037 EA Drill 18" Diameter Core In Up To 4" Concrete.....	263.44	
For Horizontal Cores, Add	46.78	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	93.55	
02 41 19 13-0038 >4" To 6" Thick Concrete Core Drilling (02 41 19 13-0025)		
02 41 19 13-0039 EA Drill 1" Diameter Core In >4" To 6" Concrete.....	47.90	
For Horizontal Cores, Add	8.42	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	16.84	
02 41 19 13-0040 EA Drill 1-1/2" Diameter Core In >4" To 6" Concrete.....	52.57	
For Horizontal Cores, Add	9.35	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	18.71	
02 41 19 13-0041 EA Drill 2" Diameter Core In >4" To 6" Concrete.....	57.77	
For Horizontal Cores, Add	10.39	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	20.79	
02 41 19 13-0042 EA Drill 3" Diameter Core In >4" To 6" Concrete.....	70.34	
For Horizontal Cores, Add	12.48	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	24.95	
02 41 19 13-0043 EA Drill 4" Diameter Core In >4" To 6" Concrete.....	88.50	
For Horizontal Cores, Add	15.59	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	31.19	
02 41 19 13-0044 EA Drill 6" Diameter Core In >4" To 6" Concrete.....	117.06	
For Horizontal Cores, Add	20.79	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	41.58	
02 41 19 13-0045 EA Drill 8" Diameter Core In >4" To 6" Concrete.....	173.83	
For Horizontal Cores, Add	31.19	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	62.38	
02 41 19 13-0046 EA Drill 10" Diameter Core In >4" To 6" Concrete.....	206.07	
For Horizontal Cores, Add	36.39	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	72.78	
02 41 19 13-0047 EA Drill 12" Diameter Core In >4" To 6" Concrete.....	236.82	
For Horizontal Cores, Add	41.58	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	83.16	
02 41 19 13-0048 EA Drill 14" Diameter Core In >4" To 6" Concrete.....	269.03	
For Horizontal Cores, Add	46.78	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	93.55	
02 41 19 13-0049 EA Drill 18" Diameter Core In >4" To 6" Concrete.....	305.42	
For Horizontal Cores, Add	51.98	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	103.96	
02 41 19 13-0050 >6" To 8" Thick Concrete Core Drilling (02 41 19 13-0025)		
02 41 19 13-0051 EA Drill 1" Diameter Core In >6" To 8" Concrete.....	54.19	
For Horizontal Cores, Add	9.26	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	18.52	
02 41 19 13-0052 EA Drill 1-1/2" Diameter Core In >6" To 8" Concrete.....	59.34	
For Horizontal Cores, Add	10.29	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	20.58	
02 41 19 13-0053 EA Drill 2" Diameter Core In >6" To 8" Concrete.....	65.06	
For Horizontal Cores, Add	11.44	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	22.87	
02 41 19 13-0054 EA Drill 3" Diameter Core In >6" To 8" Concrete.....	78.40	
For Horizontal Cores, Add	13.51	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	27.03	
02 41 19 13-0055 EA Drill 4" Diameter Core In >6" To 8" Concrete.....	102.56	
For Horizontal Cores, Add	17.67	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	35.34	
02 41 19 13-0056 EA Drill 6" Diameter Core In >6" To 8" Concrete.....	142.33	
For Horizontal Cores, Add	24.95	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	49.90	
02 41 19 13-0057 EA Drill 8" Diameter Core In >6" To 8" Concrete.....	231.87	
For Horizontal Cores, Add	41.58	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	83.16	
02 41 19 13-0058 EA Drill 10" Diameter Core In >6" To 8" Concrete.....	265.99	
For Horizontal Cores, Add	46.78	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	93.55	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 41 19 13-0059 EA Drill 12" Diameter Core In >6" To 8" Concrete.....	298.39	
For Horizontal Cores, Add	51.98	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	103.96	
02 41 19 13-0060 EA Drill 14" Diameter Core In >6" To 8" Concrete.....	333.11	
For Horizontal Cores, Add	57.16	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	114.33	
02 41 19 13-0061 EA Drill 18" Diameter Core In >6" To 8" Concrete.....	373.39	
For Horizontal Cores, Add	62.38	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	124.75	
02 41 19 13-0062 >8" To 10" Thick Concrete Core Drilling (02 41 19 13-0025)		
02 41 19 13-0063 EA Drill 1" Diameter Core In >8" To 10" Concrete.....	64.68	
For Horizontal Cores, Add	10.95	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	21.89	
02 41 19 13-0064 EA Drill 1-1/2" Diameter Core In >8" To 10" Concrete.....	70.77	
For Horizontal Cores, Add	12.16	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	24.33	
02 41 19 13-0065 EA Drill 2" Diameter Core In >8" To 10" Concrete.....	77.52	
For Horizontal Cores, Add	13.51	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	27.03	
02 41 19 13-0066 EA Drill 3" Diameter Core In >8" To 10" Concrete.....	91.68	
For Horizontal Cores, Add	15.59	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	31.19	
02 41 19 13-0067 EA Drill 4" Diameter Core In >8" To 10" Concrete.....	106.24	
For Horizontal Cores, Add	17.67	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	35.34	
02 41 19 13-0068 EA Drill 6" Diameter Core In >8" To 10" Concrete.....	146.81	
For Horizontal Cores, Add	24.95	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	49.90	
02 41 19 13-0069 EA Drill 8" Diameter Core In >8" To 10" Concrete.....	237.94	
For Horizontal Cores, Add	41.58	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	83.16	
02 41 19 13-0070 EA Drill 10" Diameter Core In >8" To 10" Concrete.....	273.98	
For Horizontal Cores, Add	46.78	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	93.55	
02 41 19 13-0071 EA Drill 12" Diameter Core In >8" To 10" Concrete.....	307.93	
For Horizontal Cores, Add	51.97	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	103.94	
02 41 19 13-0072 EA Drill 14" Diameter Core In >8" To 10" Concrete.....	345.25	
For Horizontal Cores, Add	57.16	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	114.33	
02 41 19 13-0073 EA Drill 18" Diameter Core In >8" To 10" Concrete.....	389.30	
For Horizontal Cores, Add	62.36	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	124.72	
02 41 19 13-0074 >10" To 12" Thick Concrete Core Drilling (02 41 19 13-0025)		
02 41 19 13-0075 EA Drill 1" Diameter Core In >10" To 12" Concrete.....	70.98	
For Horizontal Cores, Add	11.79	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	23.58	
02 41 19 13-0076 EA Drill 1-1/2" Diameter Core In >10" To 12" Concrete.....	77.53	
For Horizontal Cores, Add	13.10	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	26.20	
02 41 19 13-0077 EA Drill 2" Diameter Core In >10" To 12" Concrete.....	84.80	
For Horizontal Cores, Add	14.55	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	29.11	
02 41 19 13-0078 EA Drill 3" Diameter Core In >10" To 12" Concrete.....	94.55	
For Horizontal Cores, Add	15.59	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	31.19	
02 41 19 13-0079 EA Drill 4" Diameter Core In >10" To 12" Concrete.....	125.51	
For Horizontal Cores, Add	20.79	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	41.58	
02 41 19 13-0080 EA Drill 6" Diameter Core In >10" To 12" Concrete.....	161.67	
For Horizontal Cores, Add	27.03	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	54.06	
02 41 19 13-0081 EA Drill 8" Diameter Core In >10" To 12" Concrete.....	254.42	
For Horizontal Cores, Add	43.66	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	87.32	
02 41 19 13-0082 EA Drill 10" Diameter Core In >10" To 12" Concrete.....	281.97	
For Horizontal Cores, Add	46.78	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	93.55	
02 41 19 13-0083 EA Drill 12" Diameter Core In >10" To 12" Concrete.....	327.99	
For Horizontal Cores, Add	54.06	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	108.12	
02 41 19 13-0084 >12" Thick Concrete Core Drilling (02 41 19 13-0025)		
02 41 19 13-0085 IN Drill 1" Diameter Core In >12" Concrete.....	8.21	
For Horizontal Cores, Add	1.44	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	2.88	
02 41 19 13-0086 IN Drill 1-1/2" Diameter Core In >12" Concrete.....	9.01	
For Horizontal Cores, Add	1.60	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	3.20	

02	Existing Conditions
02 40	Demolition And Structure Moving
02 41	Demolition



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 41 19 13-0087 IN Drill 2" Diameter Core In >12" Concrete	9.90	
For Horizontal Cores, Add	1.78	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	3.56	
02 41 19 13-0088 IN Drill 3" Diameter Core In >12" Concrete	11.12	
For Horizontal Cores, Add	1.95	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	3.90	
02 41 19 13-0089 IN Drill 4" Diameter Core In >12" Concrete	14.79	
For Horizontal Cores, Add	2.60	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	5.20	
02 41 19 13-0090 IN Drill 6" Diameter Core In >12" Concrete	19.12	
For Horizontal Cores, Add	3.38	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	6.76	
02 41 19 13-0091 IN Drill 8" Diameter Core In >12" Concrete	30.33	
For Horizontal Cores, Add	5.46	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	10.93	
02 41 19 13-0092 IN Drill 10" Diameter Core In >12" Concrete	33.37	
For Horizontal Cores, Add	5.87	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	11.74	
02 41 19 13-0093 IN Drill 12" Diameter Core In >12" Concrete	38.61	
For Horizontal Cores, Add	6.76	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	13.52	
02 41 19 13-0094 Brick/Concrete Block Core Drilling (02 41 19 13-0024)		
02 41 19 13-0095 Up To 4" Thick Brick/Concrete Block Core Drilling (02 41 19 13-0094)		
02 41 19 13-0096 EA Drill 1" Diameter Core In Up To 4" Brick/Concrete Block	27.37	
For Horizontal Cores, Add	4.72	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	9.43	
02 41 19 13-0097 EA Drill 1-1/2" Diameter Core In Up To 4" Brick/Concrete Block	29.98	
For Horizontal Cores, Add	5.24	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	10.48	
02 41 19 13-0098 EA Drill 2" Diameter Core In Up To 4" Brick/Concrete Block	32.90	
For Horizontal Cores, Add	5.82	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	11.64	
02 41 19 13-0099 EA Drill 3" Diameter Core In Up To 4" Brick/Concrete Block	46.67	
For Horizontal Cores, Add	8.32	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	16.64	
02 41 19 13-0100 EA Drill 4" Diameter Core In Up To 4" Brick/Concrete Block	62.57	
For Horizontal Cores, Add	11.14	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	22.29	
02 41 19 13-0101 EA Drill 6" Diameter Core In Up To 4" Brick/Concrete Block	71.01	
For Horizontal Cores, Add	12.48	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	24.95	
02 41 19 13-0102 EA Drill 8" Diameter Core In Up To 4" Brick/Concrete Block	111.62	
For Horizontal Cores, Add	19.96	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	39.92	
02 41 19 13-0103 EA Drill 10" Diameter Core In Up To 4" Brick/Concrete Block	140.90	
For Horizontal Cores, Add	24.95	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	49.90	
02 41 19 13-0104 EA Drill 12" Diameter Core In Up To 4" Brick/Concrete Block	164.88	
For Horizontal Cores, Add	29.11	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	58.22	
02 41 19 13-0105 EA Drill 14" Diameter Core In Up To 4" Brick/Concrete Block	189.33	
For Horizontal Cores, Add	33.26	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	66.53	
02 41 19 13-0106 EA Drill 18" Diameter Core In Up To 4" Brick/Concrete Block	216.67	
For Horizontal Cores, Add	37.42	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	74.84	
02 41 19 13-0107 >4" To 6" Thick Brick/Concrete Block Core Drilling (02 41 19 13-0094)		
02 41 19 13-0108 EA Drill 1" Diameter Core In >4" To 6" Brick/Concrete Block	39.47	
For Horizontal Cores, Add	6.73	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	13.47	
02 41 19 13-0109 EA Drill 1-1/2" Diameter Core In >4" To 6" Brick/Concrete Block	43.21	
For Horizontal Cores, Add	7.48	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	14.96	
02 41 19 13-0110 EA Drill 2" Diameter Core In >4" To 6" Brick/Concrete Block	47.37	
For Horizontal Cores, Add	8.31	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	16.63	
02 41 19 13-0111 EA Drill 3" Diameter Core In >4" To 6" Brick/Concrete Block	57.86	
For Horizontal Cores, Add	9.98	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	19.96	
02 41 19 13-0112 EA Drill 4" Diameter Core In >4" To 6" Brick/Concrete Block	72.91	
For Horizontal Cores, Add	12.48	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	24.95	
02 41 19 13-0113 EA Drill 6" Diameter Core In >4" To 6" Brick/Concrete Block	96.27	
For Horizontal Cores, Add	16.63	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	33.27	
02 41 19 13-0114 EA Drill 8" Diameter Core In >4" To 6" Brick/Concrete Block	142.65	
For Horizontal Cores, Add	24.95	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	49.90	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 41 19 13-0115 EA Drill 10" Diameter Core In >4" To 6" Brick/Concrete Block	169.68	
<i>For Horizontal Cores, Add</i>	29.11	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	58.22	
02 41 19 13-0116 EA Drill 12" Diameter Core In >4" To 6" Brick/Concrete Block	195.24	
<i>For Horizontal Cores, Add</i>	33.26	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	66.53	
02 41 19 13-0117 EA Drill 14" Diameter Core In >4" To 6" Brick/Concrete Block	222.26	
<i>For Horizontal Cores, Add</i>	37.42	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	74.84	
02 41 19 13-0118 EA Drill 18" Diameter Core In >4" To 6" Brick/Concrete Block	253.45	
<i>For Horizontal Cores, Add</i>	41.58	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	83.17	
02 41 19 13-0119 >6" To 8" Thick Brick/Concrete Block Core Drilling (02 41 19 13-0094)		
02 41 19 13-0120 EA Drill 1" Diameter Core In >6" To 8" Brick/Concrete Block	44.93	
<i>For Horizontal Cores, Add</i>	7.41	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	14.82	
02 41 19 13-0121 EA Drill 1-1/2" Diameter Core In >6" To 8" Brick/Concrete Block	49.05	
<i>For Horizontal Cores, Add</i>	8.23	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	16.47	
02 41 19 13-0122 EA Drill 2" Diameter Core In >6" To 8" Brick/Concrete Block	53.63	
<i>For Horizontal Cores, Add</i>	9.15	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	18.30	
02 41 19 13-0123 EA Drill 3" Diameter Core In >6" To 8" Brick/Concrete Block	64.89	
<i>For Horizontal Cores, Add</i>	10.81	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	21.62	
02 41 19 13-0124 EA Drill 4" Diameter Core In >6" To 8" Brick/Concrete Block	84.89	
<i>For Horizontal Cores, Add</i>	14.14	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	28.28	
02 41 19 13-0125 EA Drill 6" Diameter Core In >6" To 8" Brick/Concrete Block	117.37	
<i>For Horizontal Cores, Add</i>	19.96	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	39.92	
02 41 19 13-0126 EA Drill 8" Diameter Core In >6" To 8" Brick/Concrete Block	190.29	
<i>For Horizontal Cores, Add</i>	33.26	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	66.53	
02 41 19 13-0127 EA Drill 10" Diameter Core In >6" To 8" Brick/Concrete Block	219.22	
<i>For Horizontal Cores, Add</i>	37.42	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	74.84	
02 41 19 13-0128 EA Drill 12" Diameter Core In >6" To 8" Brick/Concrete Block	246.42	
<i>For Horizontal Cores, Add</i>	41.58	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	83.17	
02 41 19 13-0129 EA Drill 14" Diameter Core In >6" To 8" Brick/Concrete Block	275.95	
<i>For Horizontal Cores, Add</i>	45.73	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	91.46	
02 41 19 13-0130 EA Drill 18" Diameter Core In >6" To 8" Brick/Concrete Block	311.01	
<i>For Horizontal Cores, Add</i>	49.90	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	99.80	
02 41 19 13-0131 >8" To 10" Thick Brick/Concrete Block Core Drilling (02 41 19 13-0094)		
02 41 19 13-0132 EA Drill 1" Diameter Core In >8" To 10" Brick/Concrete Block	53.74	
<i>For Horizontal Cores, Add</i>	8.76	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	17.52	
02 41 19 13-0133 EA Drill 1-1/2" Diameter Core In >8" To 10" Brick/Concrete Block	58.60	
<i>For Horizontal Cores, Add</i>	9.73	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	19.46	
02 41 19 13-0134 EA Drill 2" Diameter Core In >8" To 10" Brick/Concrete Block	64.01	
<i>For Horizontal Cores, Add</i>	10.81	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	21.62	
02 41 19 13-0135 EA Drill 3" Diameter Core In >8" To 10" Brick/Concrete Block	76.09	
<i>For Horizontal Cores, Add</i>	12.48	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	24.95	
02 41 19 13-0136 EA Drill 4" Diameter Core In >8" To 10" Brick/Concrete Block	88.57	
<i>For Horizontal Cores, Add</i>	14.14	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	28.28	
02 41 19 13-0137 EA Drill 6" Diameter Core In >8" To 10" Brick/Concrete Block	121.85	
<i>For Horizontal Cores, Add</i>	19.96	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	39.92	
02 41 19 13-0138 EA Drill 8" Diameter Core In >8" To 10" Brick/Concrete Block	196.36	
<i>For Horizontal Cores, Add</i>	33.26	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	66.53	
02 41 19 13-0139 EA Drill 10" Diameter Core In >8" To 10" Brick/Concrete Block	227.21	
<i>For Horizontal Cores, Add</i>	37.42	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	74.84	
02 41 19 13-0140 EA Drill 12" Diameter Core In >8" To 10" Brick/Concrete Block	255.96	
<i>For Horizontal Cores, Add</i>	41.57	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	83.15	
02 41 19 13-0141 EA Drill 14" Diameter Core In >8" To 10" Brick/Concrete Block	288.09	
<i>For Horizontal Cores, Add</i>	45.73	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	91.46	
02 41 19 13-0142 EA Drill 18" Diameter Core In >8" To 10" Brick/Concrete Block	326.93	
<i>For Horizontal Cores, Add</i>	49.89	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	99.78	

02	Existing Conditions
02 40	Demolition And Structure Moving
02 41	Demolition



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

02 41 19 13-0143	>10" To 12" Thick Brick/Concrete Block Core Drilling (02 41 19 13-0094)	
02 41 19 13-0144	EA Drill 1" Diameter Core In >10" To 12" Brick/Concrete Block	59.19
	<i>For Horizontal Cores, Add</i>	9.43
	<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	18.86
02 41 19 13-0145	EA Drill 1-1/2" Diameter Core In >10" To 12" Brick/Concrete Block	64.43
	<i>For Horizontal Cores, Add</i>	10.48
	<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	20.96
02 41 19 13-0146	EA Drill 2" Diameter Core In >10" To 12" Brick/Concrete Block	70.25
	<i>For Horizontal Cores, Add</i>	11.64
	<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	23.29
02 41 19 13-0147	EA Drill 3" Diameter Core In >10" To 12" Brick/Concrete Block	78.96
	<i>For Horizontal Cores, Add</i>	12.48
	<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	24.95
02 41 19 13-0148	EA Drill 4" Diameter Core In >10" To 12" Brick/Concrete Block	104.72
	<i>For Horizontal Cores, Add</i>	16.63
	<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	33.27
02 41 19 13-0149	EA Drill 6" Diameter Core In >10" To 12" Brick/Concrete Block	134.65
	<i>For Horizontal Cores, Add</i>	21.63
	<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	43.25
02 41 19 13-0150	EA Drill 8" Diameter Core In >10" To 12" Brick/Concrete Block	210.76
	<i>For Horizontal Cores, Add</i>	34.93
	<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	69.86
02 41 19 13-0151	EA Drill 10" Diameter Core In >10" To 12" Brick/Concrete Block	235.20
	<i>For Horizontal Cores, Add</i>	37.42
	<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	74.84
02 41 19 13-0152	EA Drill 12" Diameter Core In >10" To 12" Brick/Concrete Block	273.93
	<i>For Horizontal Cores, Add</i>	43.25
	<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	86.50
02 41 19 13-0153	>12" Thick Brick/Concrete Block Core Drilling (02 41 19 13-0094)	
02 41 19 13-0154	IN Drill 1" Diameter Core In >12" Brick/Concrete Block	6.77
	<i>For Horizontal Cores, Add</i>	1.15
	<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	2.31
02 41 19 13-0155	IN Drill 1-1/2" Diameter Core In >12" Brick/Concrete Block	7.40
	<i>For Horizontal Cores, Add</i>	1.28
	<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	2.56
02 41 19 13-0156	IN Drill 2" Diameter Core In >12" Brick/Concrete Block	8.12
	<i>For Horizontal Cores, Add</i>	1.42
	<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	2.85
02 41 19 13-0157	IN Drill 3" Diameter Core In >12" Brick/Concrete Block	9.17
	<i>For Horizontal Cores, Add</i>	1.56
	<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	3.12
02 41 19 13-0158	IN Drill 4" Diameter Core In >12" Brick/Concrete Block	12.20
	<i>For Horizontal Cores, Add</i>	2.08
	<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	4.16
02 41 19 13-0159	IN Drill 6" Diameter Core In >12" Brick/Concrete Block	15.74
	<i>For Horizontal Cores, Add</i>	2.71
	<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	5.41
02 41 19 13-0160	IN Drill 8" Diameter Core In >12" Brick/Concrete Block	24.86
	<i>For Horizontal Cores, Add</i>	4.37
	<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	8.74
02 41 19 13-0161	IN Drill 10" Diameter Core In >12" Brick/Concrete Block	27.50
	<i>For Horizontal Cores, Add</i>	4.70
	<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	9.40
02 41 19 13-0162	IN Drill 12" Diameter Core In >12" Brick/Concrete Block	31.86
	<i>For Horizontal Cores, Add</i>	5.41
	<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	10.82
02 41 19 13-0163	Asphalt Core Drilling (02 41 19 13-0024)	
02 41 19 13-0164	Up To 2" Thick Asphalt Core Drilling (02 41 19 13-0163)	
02 41 19 13-0165	EA Drill 1" Diameter Core In Up To 2" Asphalt	14.95
02 41 19 13-0166	EA Drill 1-1/2" Diameter Core In Up To 2" Asphalt	18.75
02 41 19 13-0167	EA Drill 2" Diameter Core In Up To 2" Asphalt	23.44
02 41 19 13-0168	EA Drill 3" Diameter Core In Up To 2" Asphalt	29.18
02 41 19 13-0169	EA Drill 4" Diameter Core In Up To 2" Asphalt	36.78
02 41 19 13-0170	EA Drill 6" Diameter Core In Up To 2" Asphalt	46.24
02 41 19 13-0171	EA Drill 8" Diameter Core In Up To 2" Asphalt	57.86
02 41 19 13-0172	EA Drill 10" Diameter Core In Up To 2" Asphalt	71.76
02 41 19 13-0173	EA Drill 12" Diameter Core In Up To 2" Asphalt	89.49
02 41 19 13-0174	>2" To 3" Thick Asphalt Core Drilling (02 41 19 13-0163)	
02 41 19 13-0175	EA Drill 1" Diameter Core In >2" To 3" Asphalt	18.67
02 41 19 13-0176	EA Drill 1-1/2" Diameter Core In >2" To 3" Asphalt	24.25
02 41 19 13-0177	EA Drill 2" Diameter Core In >2" To 3" Asphalt	29.83
02 41 19 13-0178	EA Drill 3" Diameter Core In >2" To 3" Asphalt	37.43
02 41 19 13-0179	EA Drill 4" Diameter Core In >2" To 3" Asphalt	46.89
02 41 19 13-0180	EA Drill 6" Diameter Core In >2" To 3" Asphalt	59.09



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 41 19 13-0181 EA Drill 8" Diameter Core In >2" To 3" Asphalt	73.54	
02 41 19 13-0182 EA Drill 10" Diameter Core In >2" To 3" Asphalt	92.00	
02 41 19 13-0183 EA Drill 12" Diameter Core In >2" To 3" Asphalt	114.33	
02 41 19 13-0184 >3" To 4" Thick Asphalt Core Drilling (02 41 19 13-0163)		
02 41 19 13-0185 EA Drill 1" Diameter Core In >3" To 4" Asphalt	24.33	
02 41 19 13-0186 EA Drill 1-1/2" Diameter Core In >3" To 4" Asphalt	30.96	
02 41 19 13-0187 EA Drill 2" Diameter Core In >3" To 4" Asphalt	38.40	
02 41 19 13-0188 EA Drill 3" Diameter Core In >3" To 4" Asphalt	47.93	
02 41 19 13-0189 EA Drill 4" Diameter Core In >3" To 4" Asphalt	60.38	
02 41 19 13-0190 EA Drill 6" Diameter Core In >3" To 4" Asphalt	75.49	
02 41 19 13-0191 EA Drill 8" Diameter Core In >3" To 4" Asphalt	94.87	
02 41 19 13-0192 EA Drill 10" Diameter Core In >3" To 4" Asphalt	118.05	
02 41 19 13-0193 EA Drill 12" Diameter Core In >3" To 4" Asphalt.....	146.99	
02 41 19 13-0194 >4" To 6" Thick Asphalt Core Drilling (02 41 19 13-0163)		
02 41 19 13-0195 EA Drill 1" Diameter Core In >4" To 6" Asphalt	32.07	
02 41 19 13-0196 EA Drill 1-1/2" Diameter Core In >4" To 6" Asphalt	39.77	
02 41 19 13-0197 EA Drill 2" Diameter Core In >4" To 6" Asphalt	49.14	
02 41 19 13-0198 EA Drill 3" Diameter Core In >4" To 6" Asphalt	62.71	
02 41 19 13-0199 EA Drill 4" Diameter Core In >4" To 6" Asphalt	78.22	
02 41 19 13-0200 EA Drill 6" Diameter Core In >4" To 6" Asphalt	97.30	
02 41 19 13-0201 EA Drill 8" Diameter Core In >4" To 6" Asphalt	122.83	
02 41 19 13-0202 EA Drill 10" Diameter Core In >4" To 6" Asphalt	152.65	
02 41 19 13-0203 EA Drill 12" Diameter Core In >4" To 6" Asphalt	190.35	
02 41 19 13-0204 Manhole Core Drilling (02 41 19 13-0024)		
02 41 19 13-0205 EA Drill 4" Diameter Core In 6" Brick Manhole	163.05	
02 41 19 13-0206 EA Drill 5" Diameter Core In 6" Brick Manhole	186.22	
02 41 19 13-0207 EA Drill 6" Diameter Core In 6" Brick Manhole	216.69	
02 41 19 13-0208 EA Drill 8" Diameter Core In 6" Brick Manhole	323.86	
02 41 19 13-0209 EA Drill 2" Diameter Core In 8" Concrete Manhole.....	216.96	
02 41 19 13-0210 EA Drill 3" Diameter Core In 8" Concrete Manhole.....	233.26	
02 41 19 13-0211 EA Drill 4" Diameter Core In 8" Concrete Manhole.....	258.87	
02 41 19 13-0212 EA Drill 5" Diameter Core In 8" Concrete Manhole.....	278.35	
02 41 19 13-0213 EA Drill 6" Diameter Core In 8" Concrete Manhole.....	328.96	
02 41 19 13-0214 EA Drill 8" Diameter Core In 8" Concrete Manhole.....	468.81	
02 41 19 13-0215 EA Drill 2" Diameter Core In Fiberglass Manhole.....	20.95	
02 41 19 13-0216 EA Drill 3" Diameter Core In Fiberglass Manhole.....	24.24	
02 41 19 13-0217 EA Drill 4" Diameter Core In Fiberglass Manhole.....	26.32	
02 41 19 13-0218 EA Drill 5" Diameter Core In Fiberglass Manhole.....	28.71	
02 41 19 13-0219 EA Drill 6" Diameter Core In Fiberglass Manhole.....	31.60	
02 41 19 13-0220 EA Drill 8" Diameter Core In Fiberglass Manhole.....	35.14	
02 41 19 13-0221 Drilling In Concrete Per Inch Of Depth (02 41 19 13-0024)		
Note: Includes layout.		
02 41 19 13-0222 IN 1/4" Diameter Drilling In Concrete Per Inch Of Depth.....	1.91	
02 41 19 13-0223 IN 3/8" Diameter Drilling In Concrete Per Inch Of Depth.....	2.00	
02 41 19 13-0224 IN 1/2" Diameter Drilling In Concrete Per Inch Of Depth.....	2.15	
02 41 19 13-0225 IN 5/8" Diameter Drilling In Concrete Per Inch Of Depth.....	2.29	
02 41 19 13-0226 IN 3/4" Diameter Drilling In Concrete Per Inch Of Depth.....	2.50	
02 41 19 13-0227 IN 7/8" Diameter Drilling In Concrete Per Inch Of Depth.....	2.72	
02 41 19 13-0228 IN 1" Diameter Drilling In Concrete Per Inch Of Depth.....	2.87	
02 41 19 13-0229 IN 1-1/4" Diameter Drilling In Concrete Per Inch Of Depth.....	3.17	
02 41 19 13-0230 IN 1-1/2" Diameter Drilling In Concrete Per Inch Of Depth.....	3.58	
02 41 19 13-0231 Drilling In Brick/Concrete Block Per Inch Of Depth (02 41 19 13-0024)		
Note: Includes layout.		
02 41 19 13-0232 IN 1/4" Diameter Drilling In Brick/Concrete Block Per Inch Of Depth	1.60	
02 41 19 13-0233 IN 3/8" Diameter Drilling In Brick/Concrete Block Per Inch Of Depth	1.69	
02 41 19 13-0234 IN 1/2" Diameter Drilling In Brick/Concrete Block Per Inch Of Depth	1.80	
02 41 19 13-0235 IN 5/8" Diameter Drilling In Brick/Concrete Block Per Inch Of Depth	1.92	
02 41 19 13-0236 IN 3/4" Diameter Drilling In Brick/Concrete Block Per Inch Of Depth	2.10	
02 41 19 13-0237 IN 7/8" Diameter Drilling In Brick/Concrete Block Per Inch Of Depth	2.28	
02 41 19 13-0238 IN 1" Diameter Drilling In Brick/Concrete Block Per Inch Of Depth	2.41	
02 41 19 13-0239 IN 1-1/4" Diameter Drilling In Brick/Concrete Block Per Inch Of Depth.....	2.66	
02 41 19 13-0240 IN 1-1/2" Diameter Drilling In Brick/Concrete Block Per Inch Of Depth.....	3.00	
02 41 19 13-0241 Drilling In Wood Or Plastic Per Inch Of Depth (02 41 19 13-0024)		
Note: Includes layout.		
02 41 19 13-0242 IN 1/4" Diameter Drilling In Wood Or Plastic Per Inch Of Depth.....	0.78	
02 41 19 13-0243 IN 3/8" Diameter Drilling In Wood Or Plastic Per Inch Of Depth.....	0.82	
02 41 19 13-0244 IN 1/2" Diameter Drilling In Wood Or Plastic Per Inch Of Depth.....	0.88	
02 41 19 13-0245 IN 5/8" Diameter Drilling In Wood Or Plastic Per Inch Of Depth.....	0.94	
02 41 19 13-0246 IN 3/4" Diameter Drilling In Wood Or Plastic Per Inch Of Depth.....	1.03	

02	Existing Conditions
02 40	Demolition And Structure Moving
02 41	Demolition



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 41 19 13-0247	IN		7/8" Diameter Drilling In Wood Or Plastic Per Inch Of Depth.....	1.11	
02 41 19 13-0248	IN		1" Diameter Drilling In Wood Or Plastic Per Inch Of Depth.....	1.18	
02 41 19 13-0249	IN		1-1/4" Diameter Drilling In Wood Or Plastic Per Inch Of Depth.....	1.29	
02 41 19 13-0250	IN		1-1/2" Diameter Drilling In Wood Or Plastic Per Inch Of Depth.....	1.47	
02 41 19 13-0251			Limestone Core Drilling (02 41 19 13-0024)		
02 41 19 13-0252			10" To 14" Thick Limestone Core Drilling (02 41 19 13-0251)		
02 41 19 13-0253	EA		Drill 1" Diameter Core In 10" To 14" Limestone.....	49.45	
02 41 19 13-0254	EA		Drill 1-1/2" Diameter Core In 10" To 14" Limestone.....	59.85	
02 41 19 13-0255	EA		Drill 2" Diameter Core In 10" To 14" Limestone.....	65.78	
02 41 19 13-0256	EA		Drill 3" Diameter Core In 10" To 14" Limestone.....	77.70	
02 41 19 13-0257	EA		Drill 4" Diameter Core In 10" To 14" Limestone.....	89.92	
02 41 19 13-0258	EA		Drill 6" Diameter Core In 10" To 14" Limestone.....	124.40	
02 41 19 13-0259	EA		Drill 8" Diameter Core In 10" To 14" Limestone.....	201.97	
02 41 19 13-0260			15" To 18" Thick Limestone Core Drilling (02 41 19 13-0251)		
02 41 19 13-0261	EA		Drill 1" Diameter Core In 15" To 18" Limestone.....	54.92	
02 41 19 13-0262	EA		Drill 1-1/2" Diameter Core In 15" To 18" Limestone.....	65.63	
02 41 19 13-0263	EA		Drill 2" Diameter Core In 15" To 18" Limestone.....	71.90	
02 41 19 13-0264	EA		Drill 3" Diameter Core In 15" To 18" Limestone.....	80.00	
02 41 19 13-0265	EA		Drill 4" Diameter Core In 15" To 18" Limestone.....	106.20	
02 41 19 13-0266	EA		Drill 6" Diameter Core In 15" To 18" Limestone.....	136.86	
02 41 19 13-0267	EA		Drill 8" Diameter Core In 15" To 18" Limestone.....	215.80	
02 41 19 13-0268			19" To 24" Thick Limestone Core Drilling (02 41 19 13-0251)		
02 41 19 13-0269	EA		Drill 1" Diameter Core In 19" To 24" Limestone.....	60.26	
02 41 19 13-0270	EA		Drill 1-1/2" Diameter Core In 19" To 24" Limestone.....	71.25	
02 41 19 13-0271	EA		Drill 2" Diameter Core In 19" To 24" Limestone.....	77.80	
02 41 19 13-0272	EA		Drill 3" Diameter Core In 19" To 24" Limestone.....	90.88	
02 41 19 13-0273	EA		Drill 4" Diameter Core In 19" To 24" Limestone.....	126.59	
02 41 19 13-0274	EA		Drill 6" Diameter Core In 19" To 24" Limestone.....	157.85	
02 41 19 13-0275	EA		Drill 8" Diameter Core In 19" To 24" Limestone.....	233.61	
02 41 19 13-0276			Minimum Charge For Core Drilling (02 41 19 13-0024)		
02 41 19 13-0277	EA		Core Drill Minimum Charge..... Note: For projects where the total core drilling charge is less than the minimum charge, use task "Minimum Charge For Core Drilling" exclusively. Task "Minimum Charge For Core Drilling" should not be used in conjunction with any other tasks in this section. Does not apply to sections "Drilling In Concrete Per Inch Of Depth" or "Drilling In Brick Or Block Per Inch Of Depth".	566.74	
02 41 19 13-0278			Cutouts (02 41 19 13) Note: Includes saw cutting and removal of material. Not to be used for openings greater than 24 SF.		
02 41 19 13-0279			Reinforced Concrete Slab On Grade Cutouts (02 41 19 13-0278)		
02 41 19 13-0280	SF		4" Thick Reinforced Concrete Slab On Grade Cutouts, <24 SF.....	40.33	
02 41 19 13-0281	SF		6" Thick Reinforced Concrete Slab On Grade Cutouts, <24 SF.....	42.77	
02 41 19 13-0282	SF		8" Thick Reinforced Concrete Slab On Grade Cutouts, <24 SF.....	45.21	
02 41 19 13-0283	SF		10" Thick Reinforced Concrete Slab On Grade Cutouts, <24 SF.....	47.65	
02 41 19 13-0284	SF		12" Thick Reinforced Concrete Slab On Grade Cutouts, <24 SF.....	48.87	
02 41 19 13-0285			Reinforced Concrete Elevated Slab Cutouts (02 41 19 13-0278) Note: Includes cutting and removing steel decking.		
02 41 19 13-0286	SF		4" Thick Reinforced Concrete Elevated Slab Cutouts, <24 SF.....	49.15	
02 41 19 13-0287	SF		6" Thick Reinforced Concrete Elevated Slab Cutouts, <24 SF.....	52.12	
02 41 19 13-0288	SF		8" Thick Reinforced Concrete Elevated Slab Cutouts, <24 SF.....	55.11	
02 41 19 13-0289	SF		10" Thick Reinforced Concrete Elevated Slab Cutouts, <24 SF.....	58.08	
02 41 19 13-0290	SF		12" Thick Reinforced Concrete Elevated Slab Cutouts, <24 SF.....	59.57	
02 41 19 13-0291			Reinforced Concrete Wall Cutouts (02 41 19 13-0278)		
02 41 19 13-0292	SF		4" Thick Reinforced Concrete Wall Cutouts, <24 SF.....	50.40	
02 41 19 13-0293	SF		6" Thick Reinforced Concrete Wall Cutouts, <24 SF.....	53.46	
02 41 19 13-0294	SF		8" Thick Reinforced Concrete Wall Cutouts, <24 SF.....	56.52	
02 41 19 13-0295	SF		10" Thick Reinforced Concrete Wall Cutouts, <24 SF.....	59.57	
02 41 19 13-0296	SF		12" Thick Reinforced Concrete Wall Cutouts, <24 SF.....	61.10	
02 41 19 13-0297			Brick Wall Cutouts (02 41 19 13-0278) Note: Excludes toothing.		
02 41 19 13-0298	SF		4" Thick Brick Wall Cutouts, <24 SF.....	15.28	
02 41 19 13-0299	SF		6" Thick Brick Wall Cutouts, <24 SF.....	25.20	
02 41 19 13-0300	SF		8" Thick Brick Wall Cutouts, <24 SF.....	35.10	
02 41 19 13-0301	SF		10" Thick Brick Wall Cutouts, <24 SF.....	42.77	
02 41 19 13-0302	SF		12" Thick Brick Wall Cutouts, <24 SF.....	51.17	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 41 19 13-0303 SF 16" Thick Brick Wall Cutouts, <24 SF	60.34	
02 41 19 13-0304 Concrete Block Wall Cutouts (02 41 19 13-0278) Note: Excludes toothing.		
02 41 19 13-0305 SF 4" Thick Concrete Block Wall Cutouts, <24 SF	25.27	
02 41 19 13-0306 SF 6" Thick Concrete Block Wall Cutouts, <24 SF	26.76	
02 41 19 13-0307 SF 8" Thick Concrete Block Wall Cutouts, <24 SF	28.26	
02 41 19 13-0308 SF 10" Thick Concrete Block Wall Cutouts, <24 SF	29.79	
02 41 19 13-0309 SF 12" Thick Concrete Block Wall Cutouts, <24 SF	30.55	
02 41 19 13-0310 SF 16" Thick Concrete Block Wall Cutouts, <24 SF	32.08	
02 41 19 13-0311 Limestone Cutouts (02 41 19 13-0278)		
02 41 19 13-0312 SF 2" Thick Limestone Cutouts, <24 SF	42.77	
02 41 19 13-0313 SF 4" Thick Limestone Cutouts, <24 SF	51.93	
02 41 19 13-0314 SF 6" Thick Limestone Cutouts, <24 SF	54.99	
02 41 19 13-0315 SF 8" Thick Limestone Cutouts, <24 SF	58.05	
02 41 19 13-0316 SF 10" Thick Limestone Cutouts, <24 SF	61.10	
02 41 19 13-0317 SF 12" Thick Limestone Cutouts, <24 SF	64.15	
02 41 19 13-0318 Toothing Masonry Cutouts (02 41 19 13-0278) Note: For use where existing masonry must be removed in a toothing pattern along horizontal and vertical mortar joints. VLF measurement includes all horizontal cutting.		
02 41 19 13-0319 VLF Brick, Soft Old Mortar, Toothing Masonry Cutouts	15.28	
02 41 19 13-0320 VLF Brick, Hard Mortar, Toothing Masonry Cutouts	20.62	
02 41 19 13-0321 VLF Concrete Block, Soft Old Mortar, Toothing Masonry Cutouts	9.16	
02 41 19 13-0322 VLF Concrete Block, Hard Mortar, Toothing Masonry Cutouts	12.22	
02 41 19 13-0323 Minimum Charge For Cutouts (02 41 19 13-0278) Note: For projects where the total cutouts charge is less than the minimum charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.		
02 41 19 13-0324 EA Cutouts Minimum Charge	305.50	
02 41 19 13-0325 Exterior Masonry Removal (02 41 19 13)		
02 41 19 13-0326 Masonry Columns Removal (Interior And Exterior) (02 41 19 13-0325)		
02 41 19 13-0327 VLF 8" x 8" Masonry Column Removal	12.07	
02 41 19 13-0328 VLF 10" x 10" Masonry Column Removal	18.87	
02 41 19 13-0329 VLF 12" x 12" Masonry Column Removal	24.18	
02 41 19 13-0330 VLF 14" x 14" Masonry Column Removal	30.26	
02 41 19 13-0331 VLF 16" x 16" Masonry Column Removal	37.17	
02 41 19 13-0332 CF Masonry Column Removal, Per CF Of Masonry Removed; For Other Sizes Over 16" Square	20.88	
02 41 19 13-0333 Masonry Chimney Removal (02 41 19 13-0325)		
02 41 19 13-0334 CF Up To 3 CF/VLF Chimney Removal, Per CF Of Masonry Removed	24.49	
02 41 19 13-0335 CF >3 To 10 CF/VLF Chimney Removal, Per CF Of Masonry Removed	18.39	
02 41 19 13-0336 CF >10 To 20 CF/VLF Chimney Removal, Per CF Of Masonry Removed	14.07	
02 41 19 13-0337 CF >20 CF/VLF Chimney Removal, Per CF Of Masonry Removed	9.74	
02 41 19 13-0338 Remove And Reset Precast, Stone Or Masonry Coping (02 41 19 13-0325) Note: Includes removing, cleaning, and resetting coping with new ties and mortar. Excludes finished edge saw cutting at the intersection between demolition and undisturbed areas. See CSI section 02 41 19 13-0001 for saw cutting.		
02 41 19 13-0339 LF Up To 8" Wide, Remove And Reset Precast, Stone Or Masonry Coping	14.81	
02 41 19 13-0340 LF >8" To 12" Wide, Remove And Reset Precast, Stone Or Masonry Coping	22.30	
02 41 19 13-0341 LF >12" To 24" Wide, Remove And Reset Precast, Stone Or Masonry Coping	42.94	
02 41 19 13-0342 Facade Removal (02 41 19 13-0325) Note: Includes any saw cutting that may be required for size reduction into manageable pieces for handling and disposal. Excludes finished edge saw cutting at the intersection between demolition and undisturbed areas. See CSI section 02 41 19 13-0001 for saw cutting.		
02 41 19 13-0343 SF Stone Or Brick Veneer Facade Removal	4.60	
<i>For Cleaning and Storage For Reuse, Add</i>	3.45	
02 41 19 13-0344 Exterior Masonry Removal (02 41 19 13-0325) Note: Includes any saw cutting that may be required for size reduction into manageable pieces for handling and disposal. Salvage modifier includes removing mortar, scraping, cleaning, placement on pallets and storage on site. Excludes finished edge saw cutting at the intersection between demolition and undisturbed areas. See CSI section 02 41 19 13-0001 for saw cutting.		
02 41 19 13-0345 SF Demolish 4" Thick Non Reinforced Concrete Block Exterior Wall	4.05	
02 41 19 13-0346 SF Demolish 6" Thick Non Reinforced Concrete Block Exterior Wall	4.56	
02 41 19 13-0347 SF Demolish 8" Thick Non Reinforced Concrete Block Exterior Wall	5.52	
02 41 19 13-0348 SF Demolish 10" Thick Non Reinforced Concrete Block Exterior Wall	6.03	
02 41 19 13-0349 SF Demolish 12" Thick Non Reinforced Concrete Block Exterior Wall	6.62	

02 Existing Conditions**02 40 Demolition And Structure Moving****02 41 Demolition**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 41 19 13-0350 SF Demolish 16" Thick Non Reinforced Concrete Block Exterior Wall.....	8.28	
02 41 19 13-0351 SF Demolish 4" Thick Reinforced Concrete Block Exterior Wall.....	4.78	
02 41 19 13-0352 SF Demolish 6" Thick Reinforced Concrete Block Exterior Wall.....	5.47	
02 41 19 13-0353 SF Demolish 8" Thick Reinforced Concrete Block Exterior Wall.....	6.62	
02 41 19 13-0354 SF Demolish 10" Thick Reinforced Concrete Block Exterior Wall.....	7.24	
02 41 19 13-0355 SF Demolish 12" Thick Reinforced Concrete Block Exterior Wall.....	7.94	
02 41 19 13-0356 SF Demolish 16" Thick Reinforced Concrete Block Exterior Wall.....	9.94	
02 41 19 13-0357 SF Demolish 4" Thick Brick Exterior Wall.....	4.05	
For Cleaning and Storage For Reuse, Add	3.04	
02 41 19 13-0358 SF Demolish 6" Thick Brick Exterior Wall.....	4.56	
For Cleaning and Storage For Reuse, Add	3.42	
02 41 19 13-0359 SF Demolish 8" Thick Brick Exterior Wall.....	5.52	
For Cleaning and Storage For Reuse, Add	4.14	
02 41 19 13-0360 SF Demolish 10" Thick Brick Exterior Wall.....	6.03	
For Cleaning and Storage For Reuse, Add	4.52	
02 41 19 13-0361 SF Demolish 12" Thick Brick Exterior Wall.....	6.62	
For Cleaning and Storage For Reuse, Add	4.97	
02 41 19 13-0362 SF Demolish 16" Thick Brick Exterior Wall.....	8.28	
For Cleaning and Storage For Reuse, Add	6.21	
02 41 19 13-0363 CF Exterior Brick, Concrete Block Or Composite Removal.....	11.77	
For Cleaning and Storage For Reuse, Add	8.83	
02 41 19 13-0364 Exterior Concrete Wall Removal (02 41 19 13)		
02 41 19 13-0365 SF Demolish 4" Thick Reinforced Concrete Exterior Wall.....	5.08	
02 41 19 13-0366 SF Demolish 6" Thick Reinforced Concrete Exterior Wall.....	9.22	
02 41 19 13-0367 SF Demolish 8" Thick Reinforced Concrete Exterior Wall.....	11.58	
02 41 19 13-0368 SF Demolish 10" Thick Reinforced Concrete Exterior Wall.....	13.65	
02 41 19 13-0369 SF Demolish 12" Thick Reinforced Concrete Exterior Wall.....	16.14	
02 41 19 13-0370 Roofing Removal (02 41 19 13)		
02 41 19 13-0371 Clay Tile Roof Remove And Salvage For Re-use (02 41 19 13-0370)		
Note: Includes removing mortar, scraping, cleaning, placement on pallets and storage on site.		
02 41 19 13-0372 SQ Removal Of Clay Roof Tile, Salvage For Re-use.....	240.30	
02 41 19 13-0373 Elevated Concrete Removal (02 41 19 13)		
02 41 19 13-0374 CF Elevated Concrete Beam/Slab/Steps Removal, Reinforced.....	10.23	
02 41 19 16 Selective Interior Demolition (02 41 19)		
Note: Includes break-up of material, loading into truck or dumpster and clean-up. Salvage tasks include placement on pallets and storage on site.		
02 41 19 16-0001 Floor Removal (02 41 19 16)		
02 41 19 16-0002 Remove And Salvage For Re-Use (02 41 19 16-0001)		
Note: Includes removing mortar, scraping, cleaning, placement on pallets and storage on site.		
02 41 19 16-0003 SF Removal Of Brick Flooring And Salvage.....	2.19	
02 41 19 16-0004 SF Removal Of Ceramic/Quarry Tile Floor And Salvage.....	2.19	
02 41 19 16-0005 SF Removal Of Terrazzo Flooring And Salvage.....	3.03	
02 41 19 16-0006 SF Removal Of Wood Strip Flooring And Salvage.....	1.77	
02 41 19 16-0007 SF Removal Of Wood Parquet Flooring And Salvage.....	0.93	
02 41 19 16-0008 SF Removal Of Resilient/Linoleum Flooring And Salvage.....	0.67	
02 41 19 16-0009 Scarify Concrete (02 41 19 16-0001)		
Note: Up to 1/4" removal per pass.		
02 41 19 16-0010 SF Scarify Concrete Floor.....	0.24	
02 41 19 16-0011 SF Scarify Concrete Tread And Riser.....	2.00	
02 41 19 16-0012 SF Scarify Concrete Wall.....	1.81	
02 41 19 16-0013 Fireproofing Removal (02 41 19 16)		
02 41 19 16-0014 SF Removal Of Fireproofing From Concrete Or Steel.....	1.03	
02 41 19 16-0015 Demolish Ceiling (02 41 19 16)		
02 41 19 16-0016 SF Demolish Drywall Ceiling.....	0.79	
02 41 19 16-0017 SF Demolish Furred Plastered Ceiling.....	1.85	
02 41 19 16-0018 SF Demolish Suspended Plastered Ceiling And Suspension System.....	1.41	
02 41 19 16-0019 Demolish Concrete Stair (02 41 19 16)		
02 41 19 16-0020 CF Demolish Interior Reinforced Concrete Stairs.....	6.62	
02 41 19 16-0021 CF Demolish Exterior Reinforced Concrete Stairs.....	5.30	
02 41 19 16-0022 Demolish Interior Partition/Wall (02 41 19 16)		
Note: Price includes knock down, loading, clean-up.		



Existing Conditions	02
Demolition And Structure Moving	02 40
Demolition	02 41

02

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 41 19 16-0023 Demolish Masonry And Concrete Interior Partition/Walls <small>(02 41 19 16-0023)</small> Note: Includes saw cutting, knock down, loading and clean-up.		
02 41 19 16-0024 Demolish Concrete Block Interior Partition/Walls <small>(02 41 19 16-0023)</small>		
02 41 19 16-0025 SF Demolish 4" Thick Non Reinforced Concrete Block Interior Partition/Wall	4.28	
02 41 19 16-0026 SF Demolish 6" Thick Non Reinforced Concrete Block Interior Partition/Wall	4.58	
02 41 19 16-0027 SF Demolish 8" Thick Non Reinforced Concrete Block Interior Partition/Wall	5.16	
02 41 19 16-0028 SF Demolish 12" Thick Non Reinforced Concrete Block Interior Partition/Wall	6.62	
02 41 19 16-0029 SF Demolish 16" Thick Non Reinforced Concrete Block Interior Partition/Wall	8.28	
02 41 19 16-0030 SF Demolish 4" Thick Reinforced Concrete Block Interior Partition/Wall	5.14	
02 41 19 16-0031 SF Demolish 6" Thick Reinforced Concrete Block Interior Partition/Wall	5.50	
02 41 19 16-0032 SF Demolish 8" Thick Reinforced Concrete Block Interior Partition/Wall	6.20	
02 41 19 16-0033 SF Demolish 12" Thick Reinforced Concrete Block Interior Partition/Wall	7.95	
02 41 19 16-0034 SF Demolish 16" Thick Reinforced Concrete Block Interior Partition/Wall	9.94	
02 41 19 16-0035 Demolish Brick Interior Partition/Walls <small>(02 41 19 16-0023)</small>		
02 41 19 16-0036 SF Demolish 4" Thick Brick Interior Partition/Wall	4.28	
02 41 19 16-0037 SF Demolish 8" Thick Brick Interior Partition/Wall	5.16	
02 41 19 16-0038 SF Demolish 12" Thick Brick Interior Partition/Wall	6.61	
02 41 19 16-0039 SF Demolish 16" Thick Brick Interior Partition/Wall	8.28	
02 41 19 16-0040 Demolish Glass Block Interior Partition/Walls <small>(02 41 19 16-0023)</small>		
02 41 19 16-0041 SF Demolish Glass Block Interior Partition/Walls	3.68	
02 41 19 16-0042 Demolish Concrete Interior Partition/Walls <small>(02 41 19 16-0023)</small> See CSI section 02 41 16 13-0021 for concrete foundation demolition.		
02 41 19 16-0043 SF Demolish 6" Thick Non Reinforced Concrete Interior Partition/Wall	7.80	
02 41 19 16-0044 SF Demolish 8" Thick Non Reinforced Concrete Interior Partition/Wall	9.74	
02 41 19 16-0045 SF Demolish 12" Thick Non Reinforced Concrete Interior Partition/Wall	13.65	
02 41 19 16-0046 SF Demolish 6" Thick Reinforced Concrete Interior Partition/Wall	9.35	
02 41 19 16-0047 SF Demolish 8" Thick Reinforced Concrete Interior Partition/Wall	11.77	
02 41 19 16-0048 SF Demolish 12" Thick Reinforced Concrete Interior Partition/Wall	16.37	
02 41 19 16-0049 Demolish Terra-Cotta Block Interior Partition/Walls <small>(02 41 19 16-0023)</small>		
02 41 19 16-0050 SF Demolish Up To 6" Thick Terra-Cotta Block Interior Partition/Wall Finished With Plaster	1.47	
02 41 19 16-0051 Demolish Stud Framed Interior Partition/Walls <small>(02 41 19 16-0022)</small> Note: Includes knock down, loading and clean-up. Includes demo of insulation if required.		
02 41 19 16-0052 SF Demolish Wood Or Metal Framed Interior Partition/Wall With Drywall 1 Side	2.61	
For Heights >14' To 20', Add	0.39	
For Heights >20', Add	0.52	
02 41 19 16-0053 SF Demolish Wood Or Metal Framed Interior Partition/Wall With Drywall 2 Sides	3.04	
For Heights >14' To 20', Add	0.46	
For Heights >20', Add	0.61	
02 41 19 16-0054 SF Demolish Wood Or Metal Framed Interior Partition/Wall With Plaster And Lath 1 Side	3.34	
For Heights >14' To 20', Add	0.50	
For Heights >20', Add	0.67	
02 41 19 16-0055 SF Demolish Wood Or Metal Framed Interior Partition/Wall With Plaster And Lath 2 Sides	4.64	
For Heights >14' To 20', Add	0.70	
For Heights >20', Add	0.93	
02 41 19 16-0056 SF Demolish Plaster And Lath From 1 Side Of An Interior Partition/Wall	1.37	
For Heights >14' To 20', Add	0.21	
For Heights >20', Add	0.27	
02 41 19 16-0057 SF Demolish Plaster And Lath From 2 Sides Of An Interior Partition/Wall	1.63	
For Heights >14' To 20', Add	0.24	
For Heights >20', Add	0.33	
02 43 Structure Moving <small>(02 40)</small>		
02 43 13 Structure Relocation <small>(02 43)</small> Note: Includes disconnection of utilities, moving of structure, one day move (excludes travel expenses and lodging), up to 24' wide. Reset on new foundations and hook up to utilities.		
02 43 13 00-0001 Move Relocatable Structures (Trailer, Mobile Facilities, etc.), Complete <small>(02 43 13)</small> Note: Includes disconnect portable from foundation, separate relocatable unit and attachments as needed for transport, secure all relocatable attachments (awnings, steps, ramps, railing, etc.) for transport, transport relocatable and attachments to new location, including permits and police escort, connect to foundation per approved specifications/details, including welding and/or hurricane anchoring as needed.		
02 43 13 00-0002 SF Up To 800 SF, Move Relocatable Metal Frame Building	28.28	
02 43 13 00-0003 SF >800 To 920 SF, Move Relocatable Metal Frame Building	26.73	
02 43 13 00-0004 SF >920 SF, Move Relocatable Metal Frame Building	25.02	
02 43 13 00-0005 SF Up To 800 SF, Move Relocatable Wood Frame Building	22.68	
02 43 13 00-0006 SF >800 To 920 SF, Move Relocatable Wood Frame Building	21.21	
02 43 13 00-0007 SF >920 SF, Move Relocatable Wood Frame Building	18.76	
02 43 13 00-0008 SF Up To 800 SF, Move Relocatable Wood/Metal Frame Building	27.48	
02 43 13 00-0009 SF >800 To 920 SF, Move Relocatable Wood/Metal Frame Building	25.02	

02	02 Existing Conditions
	02 40 Demolition And Structure Moving
	02 43 Structure Moving



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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02 43 13 00-0010 SF >920 SF, Move Relocatable Wood/Metal Frame Building.....21.21

02 50 Site Remediation (02)

02 58 Snow Control (02 50)

02 58 13 Snow Fencing (02 58)

02 58 13 00-0001 Snow/Sand Fence On Steel Posts (02 58 13)

02 58 13 00-0002 LF Steel Fence Post, 10' On Center With 4' Wood Snow/Sand Fence5.37 1.74

02 80 Facility Remediation (02)

02 81 Transportation And Disposal Of Hazardous Materials (02 80)

02 81 00 00-0001 Hazardous Material Disposal (02 81)

02 81 00 00-0002 GAL Drain Hazardous (PCB) Oil Filled Equipment And Dispose In Approved Container8.35
Note: Includes handling of container and disposal at approved site.

02 81 00 00-0003 CF Hazardous (PCB) Oil Filled Equipment Disposal At Approved Site56.43
Note: Includes handling of equipment and disposal at approved site. Excludes draining of PCB contaminated oil prior to disposal.

02 82 Asbestos Remediation (02 80)

Note: Tasks include materials, equipment (e.g. ladders, high volume vacuum with sound suppression system where required, etc.), mobilization, preparation, critical barriers (e.g. electrical outlets, registers, windows, etc.), signage, removal, clean-up, HEPA vacuuming, transportation for up to 25 miles, disposal, personnel health monitoring, negative air, fees, documentation and other associated costs necessary for the complete abatement and disposal of the ACM in accordance with EPA, OSHA, and local regulations. Where types of ACM are listed by quantity, the quantity of the entire project, not a particular work area, is to be used in determining which task applies. For certain types of work, there are tasks with a unit of measure of EA for a quantity of less than 10 LF or SF (10 LF to 20 LF for ACM pipe insulation), followed by a series of tasks for other quantities. For those tasks the contractor will be paid the first task with a unit of measure of EA, plus an additional task to arrive at the appropriate quantity for the project. See CSI section 01 74 19 00-0038 for hauling in excess of 25 miles to transfer or disposal site, 02 89 00 00-0002 for solid isolation barriers, 02 89 00 00-0012 for plastic sheeting for containment construction, 02 89 00 00-0019 for decontamination chambers.

02 82 13 Asbestos Abatement (02 82)

02 82 13 00-0001 Air Monitoring And Bulk Sampling, Asbestos Testing (02 82 13)

Note: Testing tasks include packaging of sample for shipping, shipping to testing lab, chain of custody documentation, analysis of sample, lab report, and sample disposal. Polarizing Light Microscope (PLM), Phase Contrast Microscope (PCM), and Transmission Electron Microscope (TEM). Excludes sampling time.

02 82 13 00-0002 HR Bulk Sampling Or Air Monitoring, Asbestos Testing.....62.25
02 82 13 00-0003 EA 48 Hours Or Longer Turnaround, (Bulk Point Counting) PLM Test, Asbestos Testing30.61
02 82 13 00-0004 EA Next Day Turnaround, (Bulk Point Counting) PLM Test, Asbestos Testing35.89
02 82 13 00-0005 EA Same Day Turnaround, (Bulk Point Counting) PLM Test, Asbestos Testing57.00
02 82 13 00-0006 EA 48 Hours Or Longer Turnaround, (Bulk) TEM Test, Asbestos Testing.....98.16
02 82 13 00-0007 EA Next Day Turnaround, (Bulk) TEM Test, Asbestos Testing119.27
02 82 13 00-0008 EA 48 Hours Or Longer Turnaround, (Air) PCM Test, Asbestos Testing.....24.28
02 82 13 00-0009 EA Next Day Turnaround, (Air) PCM Test, Asbestos Testing.....29.55
02 82 13 00-0010 EA Same Day Turnaround, (Air) PCM Test, Asbestos Testing.....40.11
02 82 13 00-0011 EA 48 Hours Or Longer Turnaround, (Air Point Counting) PLM Test30.61
02 82 13 00-0012 EA Next Day Turnaround, (Air Point Counting) PLM Test35.89
02 82 13 00-0013 EA Same Day Turnaround, (Air Point Counting) PLM Test57.00
02 82 13 00-0014 EA 48 Hours Or Longer Turnaround, (Air) TEM Test, Asbestos Testing98.16
02 82 13 00-0015 EA Next Day Turnaround, (Air) TEM Test, Asbestos Testing112.94
02 82 13 00-0016 EA Same Day Turnaround, (Air) TEM Test, Asbestos Testing157.27

02 82 16 Engineering Control of Asbestos Containing Materials (02 82)

02 82 16 00-0001 Asbestos Encapsulation (Lock-Down) (02 82 16)

02 82 16 00-0002 SF Asbestos Encapsulant Spray Adhesive (Lock-Down), Per Coat1.12
02 82 16 00-0003 SF Asbestos Binding Compound Encapsulant/Sealant, Per Coat Required (Fiberlock® ABC® Asbestos Binding Compound)1.61
02 82 16 00-0004 SF Asbestos Fiberspray Encapsulation (Fiberlock® ABC Fiberspray®)1.52
02 82 16 00-0005 SF Asbestos Acrylic Encasement/Encapsulation (Fiberlock® Lag-Kote®).....1.74
02 82 16 00-0006 SF Water Activated Repair Cloth Encapsulant (Fiberlock® Lag-Kwik®)4.85
02 82 16 00-0007 SF Water Activated Repair Cloth Encapsulant (Fiberlock® Lag-Kloth®)5.40

02 82 33 Removal and Disposal of Asbestos Containing Materials (02 82)

02 82 33 00-0001 Pipe And Pipe Fittings Insulation, Asbestos Abatement And Disposal (02 82 33)

02 82 33 00-0002 Pipe Insulation, Asbestos Abatement And Disposal (02 82 33 00-0001)

Note: Diameter is outer size of insulation. Treat fittings as additional linear feet of insulation.

02 82 33 00-0003 Up To 6" Diameter Pipe Insulation, Asbestos Abatement And Disposal (02 82 33 00-0002)

02 82 33 00-0004 EA 10 To 20 LF, Up To 6" Diameter Pipe Insulation, Asbestos Abatement And Disposal.....516.08
For Work In Restricted Working Space, Add 154.82



Existing Conditions	02
Facility Remediation	02 80
Asbestos Remediation	02 82

02

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 82 33 00-0005 LF >20 To 250 LF, Up To 6" Diameter Pipe Insulation, Asbestos Abatement And Disposal <i>For Work In Restricted Working Space, Add</i>	26.39 7.92	
02 82 33 00-0006 LF >250 To 500 LF, Up To 6" Diameter Pipe Insulation, Asbestos Abatement And Disposal <i>For Work In Restricted Working Space, Add</i>	19.80 5.94	
02 82 33 00-0007 LF >500 To 2,500 LF, Up To 6" Diameter Pipe Insulation, Asbestos Abatement And Disposal <i>For Work In Restricted Working Space, Add</i>	14.85 4.46	
02 82 33 00-0008 LF >2,500 To 10,000 LF, Up To 6" Diameter Pipe Insulation, Asbestos Abatement And Disposal <i>For Work In Restricted Working Space, Add</i>	11.13 3.34	
02 82 33 00-0009 LF >10,000 LF, Up To 6" Diameter Pipe Insulation, Asbestos Abatement And Disposal..... <i>For Work In Restricted Working Space, Add</i>	9.68 2.90	
02 82 33 00-0010 >6" To 12" Diameter Pipe Insulation, Asbestos Abatement And Disposal (02 82 33 00-0002) See CSI section 02 82 33 00-0017 for projects with less than 10 LF.		
02 82 33 00-0011 EA 10 To 20 LF, >6" To 12" Diameter Pipe Insulation, Asbestos Abatement And Disposal..... <i>For Work In Restricted Working Space, Add</i>	516.08 154.82	
02 82 33 00-0012 LF >20 To 250 LF, >6" To 12" Diameter Pipe Insulation, Asbestos Abatement And Disposal..... <i>For Work In Restricted Working Space, Add</i>	30.35 9.11	
02 82 33 00-0013 LF >250 To 500 LF, >6" To 12" Diameter Pipe Insulation, Asbestos Abatement And Disposal..... <i>For Work In Restricted Working Space, Add</i>	22.76 6.83	
02 82 33 00-0014 LF >500 To 2,500 LF, >6" To 12" Diameter Pipe Insulation, Asbestos Abatement And Disposal..... <i>For Work In Restricted Working Space, Add</i>	17.07 5.12	
02 82 33 00-0015 LF >2,500 To 10,000 LF, >6" To 12" Diameter Pipe Insulation, Asbestos Abatement And Disposal..... <i>For Work In Restricted Working Space, Add</i>	12.80 3.84	
02 82 33 00-0016 LF >10,000 LF, >6" To 12" Diameter Pipe Insulation, Asbestos Abatement And Disposal..... <i>For Work In Restricted Working Space, Add</i>	11.13 3.34	
02 82 33 00-0017 Glove Bag Method, Pipe Insulation, Asbestos Abatement And Disposal (02 82 33 00-0002) Note: Solid isolation barriers and plastic sheeting for containment construction (except on floor) are not required for glove bag projects unless required by local codes.		
02 82 33 00-0018 EA Glove Bag For First 3 LF Pipe Insulation, Asbestos Abatement And Disposal <i>For Work In Restricted Working Space, Add</i>	560.26 168.08	
02 82 33 00-0019 LF >3 To 20 LF Additional Glove Bag Work for Pipe Insulation..... <i>For Work In Restricted Working Space, Add</i>	83.00 24.90	
02 82 33 00-0020 LF >20 To 250 LF Additional Glove Bag Work for Pipe Insulation..... <i>For Work In Restricted Working Space, Add</i>	32.22 9.67	
02 82 33 00-0021 LF >250 To 500 LF Additional Glove Bag Work for Pipe Insulation <i>For Work In Restricted Working Space, Add</i>	24.16 7.25	
02 82 33 00-0022 LF >500 LF Additional Glove Bag Work for Pipe Insulation <i>For Work In Restricted Working Space, Add</i>	18.12 5.44	
02 82 33 00-0023 Thermal Insulation, Asbestos Abatement And Disposal (02 82 33)		
02 82 33 00-0024 Other Thermal Insulation, Up To 3" Thickness, Asbestos Abatement And Disposal (02 82 33 00-0023) Note: e.g., duct, boiler, tank, etc.		
02 82 33 00-0025 EA Up To 10 SF, Up To 3" Thickness Thermal Insulation, Asbestos Abatement And Disposal.....	516.08	
02 82 33 00-0026 SF >10 To 500 SF, Up To 3" Thickness Thermal Insulation, Asbestos Abatement And Disposal	26.39	
02 82 33 00-0027 SF >500 To 2,500 SF, Up To 3" Thickness Thermal Insulation, Asbestos Abatement And Disposal.....	20.78	
02 82 33 00-0028 SF >2,500 To 10,000 SF, Up To 3" Thickness Thermal Insulation, Asbestos Abatement And Disposal.....	15.59	
02 82 33 00-0029 SF >10,000 SF, Up To 3" Thickness Thermal Insulation, Asbestos Abatement And Disposal.....	11.69	
02 82 33 00-0030 Surfacing Material, Asbestos Abatement And Disposal (02 82 33)		
02 82 33 00-0031 Fireproofing For Small Areas, Asbestos Abatement And Disposal (02 82 33 00-0030) Note: For asbestos abatement for up to 1 SF sections to expose area for attachments. See CSI section 02 82 33 00-0033 for areas > 1 SF see CSI section.		
02 82 33 00-0032 EA Up To 1 SF, Fireproofing For Small Areas, Asbestos Abatement And Disposal..... Note: For asbestos abatement for up to 1 SF sections to expose steel area for welding attachments.	129.02	
02 82 33 00-0033 Fireproofing, Asbestos Abatement And Disposal (02 82 33 00-0030) Note: Exposed surface area, includes associated overspray.		
02 82 33 00-0034 EA Up To 10 SF, Fireproofing, Asbestos Abatement And Disposal	516.08	
02 82 33 00-0035 SF >10 To 500 SF, Fireproofing, Asbestos Abatement And Disposal.....	31.66	
02 82 33 00-0036 SF >500 To 2,500 SF, Fireproofing, Asbestos Abatement And Disposal.....	23.74	
02 82 33 00-0037 SF >2,500 To 10,000 SF, Fireproofing, Asbestos Abatement And Disposal.....	17.80	
02 82 33 00-0038 SF >10,000 SF, Fireproofing, Asbestos Abatement And Disposal.....	13.36	
02 82 33 00-0039 Acoustical Plaster, Asbestos Abatement And Disposal (02 82 33 00-0030) Note: Remove surface coat from brown coat or remove entire assembly, including lathe and finish materials.		
02 82 33 00-0040 EA Up To 10 SF, Acoustical Plaster, Asbestos Abatement And Disposal	516.08	
02 82 33 00-0041 SF >10 To 500 SF, Acoustical Plaster, Asbestos Abatement And Disposal.....	13.23	
02 82 33 00-0042 SF >500 To 2,500 SF, Acoustical Plaster, Asbestos Abatement And Disposal.....	10.00	
02 82 33 00-0043 SF >2,500 To 10,000 SF, Acoustical Plaster, Asbestos Abatement And Disposal.....	7.42	
02 82 33 00-0044 SF >10,000 SF, Acoustical Plaster, Asbestos Abatement And Disposal.....	5.49	

02 Existing Conditions**02 80 Facility Remediation****02 82 Asbestos Remediation**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 82 33 00-0045			Gypsum Wall Board, Asbestos Abatement And Disposal (02 82 33 00-0030)		
02 82 33 00-0046	EA		Up To 10 SF, Gypsum Wall Board, Asbestos Abatement And Disposal.....	516.08	
02 82 33 00-0047	SF		>10 To 500 SF, Gypsum Wall Board, Asbestos Abatement And Disposal	10.16	
02 82 33 00-0048	SF		>500 To 2,500 SF, Gypsum Wall Board, Asbestos Abatement And Disposal	7.42	
02 82 33 00-0049	SF		>2,500 To 10,000 SF, Gypsum Wall Board, Asbestos Abatement And Disposal	5.81	
02 82 33 00-0050	SF		>10,000 To 50,000 SF, Gypsum Wall Board, Asbestos Abatement And Disposal	4.52	
02 82 33 00-0051	SF		>50,000 SF, Gypsum Wall Board, Asbestos Abatement And Disposal	3.22	
02 82 33 00-0052			Gypsum Wall Board (Or Backer Board) With Ceramic Tile And Mastic, Asbestos Abatement And Disposal (02 82 33 00-0030)		
02 82 33 00-0053	EA		Up To 10 SF, Gypsum Wall Board (Or Backer Board) With Ceramic Tile And Mastic, Asbestos Abatement And Disposal.....	516.08	
02 82 33 00-0054	SF		>10 To 500 SF, Gypsum Wall Board (Or Backer Board) With Ceramic Tile And Mastic, Asbestos Abatement And Disposal.....	19.29	
02 82 33 00-0055	SF		>500 To 2,500 SF, Gypsum Wall Board (Or Backer Board) With Ceramic Tile And Mastic, Asbestos Abatement And Disposal	14.13	
02 82 33 00-0056	SF		>2,500 To 10,000 SF, Gypsum Wall Board (Or Backer Board) With Ceramic Tile And Mastic, Asbestos Abatement And Disposal	11.04	
02 82 33 00-0057	SF		>10,000 To 50,000 SF, Gypsum Wall Board (Or Backer Board) With Ceramic Tile And Mastic, Asbestos Abatement And Disposal	8.58	
02 82 33 00-0058	SF		>50,000 SF, Gypsum Wall Board (Or Backer Board) With Ceramic Tile And Mastic, Asbestos Abatement And Disposal.....	6.13	
02 82 33 00-0059			Stucco, Asbestos Abatement And Disposal (02 82 33 00-0030)		
02 82 33 00-0060	EA		Up To 10 SF, Stucco, Asbestos Abatement And Disposal.....	516.08	
02 82 33 00-0061	SF		>10 To 500 SF, Stucco, Asbestos Abatement And Disposal	22.43	
02 82 33 00-0062	SF		>500 To 2,500 SF, Stucco, Asbestos Abatement And Disposal	16.82	
02 82 33 00-0063	SF		>2,500 To 10,000 SF, Stucco, Asbestos Abatement And Disposal	12.61	
02 82 33 00-0064	SF		>10,000 SF, Stucco, Asbestos Abatement And Disposal	9.47	
02 82 33 00-0065			Spray On Acoustical Ceiling, Asbestos Abatement And Disposal (02 82 33 00-0030)		
02 82 33 00-0066	EA		Up To 10 SF, Spray On Acoustical Ceiling, Asbestos Abatement And Disposal	516.08	
02 82 33 00-0067	SF		>10 To 500 SF, Spray On Acoustical Ceiling, Asbestos Abatement And Disposal.....	8.60	
02 82 33 00-0068	SF		>500 To 2,500 SF, Spray On Acoustical Ceiling, Asbestos Abatement And Disposal.....	6.45	
02 82 33 00-0069	SF		>2,500 To 10,000 SF, Spray On Acoustical Ceiling, Asbestos Abatement And Disposal	4.84	
02 82 33 00-0070	SF		>10,000 SF, Spray On Acoustical Ceiling, Asbestos Abatement And Disposal.....	3.62	
02 82 33 00-0071			Plywood, Asbestos Abatement And Disposal (02 82 33 00-0030)		
02 82 33 00-0072	EA		Up To 10 SF, Plywood, Asbestos Abatement And Disposal.....	516.08	
02 82 33 00-0073	SF		>10 To 500 SF, Plywood, Asbestos Abatement And Disposal.....	10.97	
02 82 33 00-0074	SF		>500 To 2,500 SF, Plywood, Asbestos Abatement And Disposal.....	5.28	
02 82 33 00-0075	SF		>2,500 To 10,000 SF, Plywood, Asbestos Abatement And Disposal.....	3.56	
02 82 33 00-0076	SF		>10,000 SF, Plywood, Asbestos Abatement And Disposal.....	3.03	
02 82 33 00-0077			Flooring Material, Asbestos Abatement And Disposal (02 82 33)		
02 82 33 00-0078			Floor Tile, Linoleum, Carpet Or Base, Asbestos Abatement And Disposal (02 82 33 00-0077)		
02 82 33 00-0079			Floor Tile Or Linoleum, Asbestos Abatement And Disposal (02 82 33 00-0078) Note: Single layer or first of multiple layers. Excludes mastic.		
02 82 33 00-0080	EA		Up To 10 SF, Single Layer Or First Of Multiple Layers, Floor Tile Or Linoleum, Asbestos Abatement And Disposal.....	516.08	
02 82 33 00-0081	SF		>10 To 500 SF, Single Layer Or First Of Multiple Layers, Floor Tile Or Linoleum, Asbestos Abatement And Disposal.....	5.28	
			<i>For Each Additional Layer, Add</i>	1.32	
02 82 33 00-0082	SF		>500 To 2,500 SF, Single Layer Or First Of Multiple Layers, Floor Tile Or Linoleum, Asbestos Abatement And Disposal.....	4.29	
			<i>For Each Additional Layer, Add</i>	1.07	
02 82 33 00-0083	SF		>2,500 To 10,000 SF, Single Layer Or First Of Multiple Layers, Floor Tile Or Linoleum, Asbestos Abatement And Disposal.....	3.38	
			<i>For Each Additional Layer, Add</i>	0.85	
02 82 33 00-0084	SF		>10,000 SF, Single Layer Or First Of Multiple Layers, Floor Tile Or Linoleum, Asbestos Abatement And Disposal	2.29	
			<i>For Each Additional Layer, Add</i>	0.57	
02 82 33 00-0085			Carpet, Asbestos Abatement And Disposal (02 82 33 00-0078)		
02 82 33 00-0086	EA		Up To 10 SF, Non-Friable Carpet, Asbestos Abatement And Disposal	516.08	
02 82 33 00-0087	SF		>10 To 500 SF, Non-Friable Carpet, Asbestos Abatement And Disposal.....	4.08	
02 82 33 00-0088	SF		>500 To 2,500 SF, Non-Friable Carpet, Asbestos Abatement And Disposal.....	3.27	
02 82 33 00-0089	SF		>2,500 To 10,000 SF, Non-Friable Carpet, Asbestos Abatement And Disposal.....	2.35	
02 82 33 00-0090	SF		>10,000 SF, Non-Friable Carpet, Asbestos Abatement And Disposal.....	1.74	
02 82 33 00-0091			Wall Or Cove Base, Asbestos Abatement And Disposal (02 82 33 00-0078) Note: Up to 12".		
02 82 33 00-0092	EA		Up To 10 LF, Wall Base And Mastic, Asbestos Abatement And Disposal	193.54	



Existing Conditions	02
Facility Remediation	02 80
Asbestos Remediation	02 82

02

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 82 33 00-0093 LF >10 To 100 LF, Wall Base And Mastic, Asbestos Abatement And Disposal.....	3.44	
02 82 33 00-0094 LF >100 To 500 LF, Wall Base And Mastic, Asbestos Abatement And Disposal.....	2.06	
02 82 33 00-0095 LF >500 To 2,500 LF, Wall Base And Mastic, Asbestos Abatement And Disposal.....	1.29	
02 82 33 00-0096 LF >2,500 LF, Wall Base And Mastic, Asbestos Abatement And Disposal.....	0.90	
02 82 33 00-0097 Mastic, Asbestos Abatement And Disposal <small>(02 82 33 00-0077)</small>		
<small>Note: Applies to single layer or bottom layer only of multiple layers. Non hydrocarbon with pine, citrus or no odor.</small>		
02 82 33 00-0098 EA Up To 10 SF, Mastic, Asbestos Abatement And Disposal.....	516.08	
<small>Note: Applies to bottom layer only if multiple layers.</small>		
02 82 33 00-0099 SF >10 To 500 SF, Mastic, Asbestos Abatement And Disposal.....	1.32	
<small>Note: Applies to bottom layer only if multiple layers.</small>		
02 82 33 00-0100 SF >500 To 2,500 SF, Mastic, Asbestos Abatement And Disposal.....	0.97	
<small>Note: Applies to bottom layer only if multiple layers.</small>		
02 82 33 00-0101 SF >2,500 To 10,000 SF, Mastic, Asbestos Abatement And Disposal.....	0.75	
<small>Note: Applies to bottom layer only if multiple layers.</small>		
02 82 33 00-0102 SF >10,000 SF, Mastic, Asbestos Abatement And Disposal.....	0.60	
<small>Note: Applies to bottom layer only if multiple layers.</small>		
02 82 33 00-0103 Hardwood Flooring System With Asbestos Barrier Paper Backing, Asbestos Abatement And Disposal <small>(02 82 33 00-0077)</small>		
<small>Note: Includes finish wood, asbestos barrier paper, cleanup of sub-wood floor, fasteners, wood fillers and protection of clean crawl space from contamination.</small>		
02 82 33 00-0104 EA Up To 10 SF, Hardwood Flooring System With Asbestos Barrier Paper Backing, Asbestos Abatement And Disposal.....	516.08	
02 82 33 00-0105 SF >10 To 500 SF, Hardwood Flooring System With Asbestos Barrier Paper Backing, Asbestos Abatement And Disposal.....	6.10	
02 82 33 00-0106 SF >500 To 2,500 SF, Hardwood Flooring System With Asbestos Barrier Paper Backing, Asbestos Abatement And Disposal.....	4.46	
02 82 33 00-0107 SF >2,500 To 10,000 SF, Hardwood Flooring System With Asbestos Barrier Paper Backing, Asbestos Abatement And Disposal.....	3.48	
02 82 33 00-0108 SF >10,000 SF, Hardwood Flooring System With Asbestos Barrier Paper Backing, Asbestos Abatement And Disposal.....	2.71	
02 82 33 00-0109 Roofing, Asbestos Abatement And Disposal <small>(02 82 33)</small>		
02 82 33 00-0110 Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal <small>(02 82 33 00-0109)</small>		
<small>Note: Includes paint, flashing, sheet metal, insulation, pitch pockets, board etc.</small>		
02 82 33 00-0111 Up To 2" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal <small>(02 82 33 00-0110)</small>		
02 82 33 00-0112 EA Up To 125 SF, Up To 2" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal.....	516.08	
02 82 33 00-0113 SF >125 To 1,000 SF, Up To 2" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal.....	4.12	
02 82 33 00-0114 SF >1,000 To 5,000 SF, Up To 2" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal.....	3.30	
02 82 33 00-0115 SF >5,000 To 10,000 SF, Up To 2" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal.....	2.64	
02 82 33 00-0116 SF >10,000 To 20,000 SF, Up To 2" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal.....	1.98	
02 82 33 00-0117 SF >20,000 SF, Up To 2" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal.....	1.48	
02 82 33 00-0118 >2" To 5" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal <small>(02 82 33 00-0110)</small>		
02 82 33 00-0119 EA Up To 110 SF, >2" To 5" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal.....	516.08	
02 82 33 00-0120 SF >110 To 1,000 SF, >2" To 5" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal.....	4.69	
02 82 33 00-0121 SF >1,000 To 5,000 SF, >2" To 5" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal.....	3.75	
02 82 33 00-0122 SF >5,000 To 10,000 SF, >2" To 5" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal.....	3.02	
02 82 33 00-0123 SF >10,000 To 20,000 SF, >2" To 5" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal.....	2.26	
02 82 33 00-0124 SF >20,000 SF, >2" To 5" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal.....	1.69	
02 82 33 00-0125 >5" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal <small>(02 82 33 00-0110)</small>		
02 82 33 00-0126 EA Up To 110 SF, >5" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal.....	516.08	
02 82 33 00-0127 SF >110 To 1,000 SF, >5" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal.....	5.22	
02 82 33 00-0128 SF >1,000 To 5,000 SF, >5" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal.....	4.15	
02 82 33 00-0129 SF >5,000 To 10,000 SF, >5" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal.....	3.35	
02 82 33 00-0130 SF >10,000 To 20,000 SF, >5" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal.....	2.51	
02 82 33 00-0131 SF >20,000 SF, >5" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal.....	1.88	
02 82 33 00-0132 Shingles And Felt Roofing, Asbestos Abatement And Disposal <small>(02 82 33 00-0109)</small>		

02 Existing Conditions**02 80 Facility Remediation****02 82 Asbestos Remediation**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 82 33 00-0133 Shingles And Felt Roofing, Asbestos Abatement And Disposal (02 82 33 00-0132)		
02 82 33 00-0134 EA Up To 125 SF, Shingles And Felt Roofing, Asbestos Abatement And Disposal Note: Single or first of multiple layers.	516.08	
02 82 33 00-0135 SF >125 To 1,000 SF, Shingles And Felt Roofing, Asbestos Abatement And Disposal Note: Single or first of multiple layers.	4.12	
For Each Additional Layer, Add	1.03	
02 82 33 00-0136 SF >1,000 To 5,000 SF, Shingles And Felt Roofing, Asbestos Abatement And Disposal Note: Single or first of multiple layers.	3.30	
For Each Additional Layer, Add	0.83	
02 82 33 00-0137 SF >5,000 To 10,000 SF, Shingles And Felt Roofing, Asbestos Abatement And Disposal Note: Single or first of multiple layers.	2.64	
For Each Additional Layer, Add	0.66	
02 82 33 00-0138 SF >10,000 To 20,000 SF, Shingles And Felt Roofing, Asbestos Abatement And Disposal Note: Single or first of multiple layers.	1.98	
For Each Additional Layer, Add	0.50	
02 82 33 00-0139 SF >20,000 SF, Shingles And Felt Roofing, Asbestos Abatement And Disposal Note: Single or first of multiple layers.	1.48	
For Each Additional Layer, Add	0.37	
02 82 33 00-0140 Roof Penetration Mastic, Asbestos Abatement And Disposal (02 82 33 00-0109)		
02 82 33 00-0141 EA Up To 10 SF, Roof Penetration Mastic, Asbestos Abatement And Disposal 129.02		
02 82 33 00-0142 SF >10 To 50 SF, Roof Penetration Mastic, Asbestos Abatement And Disposal 1.61		
02 82 33 00-0143 SF >50 To 100 SF, Roof Penetration Mastic, Asbestos Abatement And Disposal 1.32		
02 82 33 00-0144 SF >100 To 250 SF, Roof Penetration Mastic, Asbestos Abatement And Disposal 1.06		
02 82 33 00-0145 SF >250 SF, Roof Penetration Mastic, Asbestos Abatement And Disposal 0.77		
02 82 33 00-0146 Roof Curb Mastic, Asbestos Abatement And Disposal (02 82 33 00-0109)		
02 82 33 00-0147 EA Up To 10 LF, Roof Curb Mastic, Asbestos Abatement And Disposal 129.02		
02 82 33 00-0148 LF >10 To 20 LF, Roof Curb Mastic, Asbestos Abatement And Disposal 4.84		
02 82 33 00-0149 LF >20 To 50 LF, Roof Curb Mastic, Asbestos Abatement And Disposal 3.88		
02 82 33 00-0150 LF >50 To 150 LF, Roof Curb Mastic, Asbestos Abatement And Disposal 3.22		
02 82 33 00-0151 LF >150 LF, Roof Curb Mastic, Asbestos Abatement And Disposal 2.32		
02 82 33 00-0152 Asbestos-Cement Products, Asbestos Abatement And Disposal (02 82 33)		
02 82 33 00-0153 Interior Asbestos-Cement Board, Asbestos Abatement And Disposal (02 82 33 00-0152)		
Note: Includes detachment of mounted objects before removal.		
02 82 33 00-0154 EA Up To 10 SF, Interior Asbestos-Cement Board, Asbestos Abatement And Disposal 516.08 Note: Includes detachment of mounted objects before removal.		
02 82 33 00-0155 SF >10 To 500 SF, Interior Asbestos-Cement Board, Asbestos Abatement And Disposal 5.28 Note: Includes detachment of mounted objects before removal.		
02 82 33 00-0156 SF >500 To 2,500 SF, Interior Asbestos-Cement Board, Asbestos Abatement And Disposal 2.64 Note: Includes detachment of mounted objects before removal.		
02 82 33 00-0157 SF >2,500 To 10,000 SF, Interior Asbestos-Cement Board, Asbestos Abatement And Disposal 2.10 Note: Includes detachment of mounted objects before removal.		
02 82 33 00-0158 SF >10,000 SF, Interior Asbestos-Cement Board, Asbestos Abatement And Disposal 1.84 Note: Includes detachment of mounted objects before removal.		
02 82 33 00-0159 Exterior Asbestos-Cement Board, Asbestos Abatement And Disposal (02 82 33 00-0152)		
02 82 33 00-0160 EA Up To 10 SF, Exterior Asbestos-Cement Board, Asbestos Abatement And Disposal 516.08		
02 82 33 00-0161 SF >10 To 500 SF, Exterior Asbestos-Cement Board, Asbestos Abatement And Disposal 4.58		
02 82 33 00-0162 SF >500 To 2,500 SF, Exterior Asbestos-Cement Board, Asbestos Abatement And Disposal 2.35		
02 82 33 00-0163 SF >2,500 To 10,000 SF, Exterior Asbestos-Cement Board, Asbestos Abatement And Disposal 1.88		
02 82 33 00-0164 SF >10,000 SF, Exterior Asbestos-Cement Board, Asbestos Abatement And Disposal 1.63		
02 82 33 00-0165 Up To 12" Diameter Asbestos-Cement Pipe, Asbestos Abatement And Disposal (02 82 33 00-0152)		
02 82 33 00-0166 EA Up To 10 LF, Up To 12" Diameter Asbestos-Cement Pipe, Asbestos Abatement And Disposal 516.08		
02 82 33 00-0167 LF >10 To 100 LF, Up To 12" Diameter Asbestos-Cement Pipe, Asbestos Abatement And Disposal 26.39		
02 82 33 00-0168 LF >100 To 250 LF, Up To 12" Diameter Asbestos-Cement Pipe, Asbestos Abatement And Disposal 19.80		
02 82 33 00-0169 LF >250 To 500 LF, Up To 12" Diameter Asbestos-Cement Pipe, Asbestos Abatement And Disposal 14.85		
02 82 33 00-0170 LF >500 To 2,500 LF, Up To 12" Diameter Asbestos-Cement Pipe, Asbestos Abatement And Disposal 11.13		
02 82 33 00-0171 LF >2,500 To 10,000 LF, Up To 12" Diameter Asbestos-Cement Pipe, Asbestos Abatement And Disposal 8.35		
02 82 33 00-0172 LF >10,000 LF, Up To 12" Diameter Asbestos-Cement Pipe, Asbestos Abatement And Disposal 8.16		
02 82 33 00-0173 Exterior Transite Siding, Asbestos Abatement And Disposal (02 82 33 00-0152)		
02 82 33 00-0174 EA Up To 125 SF, Exterior Transite Siding, Asbestos Abatement And Disposal 516.08 Note: Single or first of multiple layers.		
02 82 33 00-0175 SF >125 To 1,000 SF, Exterior Transite Siding, Asbestos Abatement And Disposal 4.12 Note: Single or first of multiple layers.		
02 82 33 00-0176 SF >1,000 To 5,000 SF, Exterior Transite Siding, Asbestos Abatement And Disposal 3.30 Note: Single or first of multiple layers.		
02 82 33 00-0177 SF >5,000 To 10,000 SF, Exterior Transite Siding, Asbestos Abatement And Disposal 2.64 Note: Single or first of multiple layers.		



Existing Conditions	02
Facility Remediation	02 80
Asbestos Remediation	02 82

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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 82 33 00-0178 SF >10,000 To 20,000 SF, Exterior Transite Siding, Asbestos Abatement And Disposal.....	1.98	
Note: Single or first of multiple layers.		
02 82 33 00-0179 SF >20,000 SF, Exterior Transite Siding, Asbestos Abatement And Disposal.....	1.48	
Note: Single or first of multiple layers.		
02 82 33 00-0180 Asbestos Contaminated Debris, Asbestos Abatement And Disposal (02 82 33)		
02 82 33 00-0181 Asbestos Contaminated Debris, Asbestos Abatement And Disposal (02 82 33 00-0180)		
02 82 33 00-0182 EA Up To 10 CF, Asbestos Contaminated Debris, Asbestos Abatement And Disposal.....	516.08	
For Work In Restricted Working Space, Add	154.82	
02 82 33 00-0183 CF >10 To 100 CF, Asbestos Contaminated Debris, Asbestos Abatement And Disposal.....	51.32	
For Work In Restricted Working Space, Add	15.40	
02 82 33 00-0184 CF >100 To 250 CF, Asbestos Contaminated Debris, Asbestos Abatement And Disposal.....	34.21	
For Work In Restricted Working Space, Add	10.26	
02 82 33 00-0185 CF >250 To 500 CF, Asbestos Contaminated Debris, Asbestos Abatement And Disposal.....	25.69	
For Work In Restricted Working Space, Add	7.71	
02 82 33 00-0186 CF >500 To 2,500 CF, Asbestos Contaminated Debris, Asbestos Abatement And Disposal.....	20.53	
For Work In Restricted Working Space, Add	6.16	
02 82 33 00-0187 CF >2,500 To 10,000 CF, Asbestos Contaminated Debris, Asbestos Abatement And Disposal.....	17.45	
For Work In Restricted Working Space, Add	5.24	
02 82 33 00-0188 CF >10,000 CF, Asbestos Contaminated Debris, Asbestos Abatement And Disposal.....	15.70	
For Work In Restricted Working Space, Add	4.71	
02 82 33 00-0189 Asbestos Contaminated Soil, Asbestos Abatement And Disposal (02 82 33 00-0180)		
02 82 33 00-0190 EA Up To 10 CF, Asbestos Contaminated Soil, Asbestos Abatement And Disposal.....	774.12	
For Work In Restricted Working Space, Add	232.24	
02 82 33 00-0191 CF >10 To 100 CF, Asbestos Contaminated Soil, Asbestos Abatement And Disposal.....	51.32	
For Work In Restricted Working Space, Add	15.40	
02 82 33 00-0192 CF >100 To 250 CF, Asbestos Contaminated Soil, Asbestos Abatement And Disposal.....	34.21	
For Work In Restricted Working Space, Add	10.26	
02 82 33 00-0193 CF >250 To 500 CF, Asbestos Contaminated Asbestos Abatement And Disposal.....	25.69	
02 82 33 00-0194 CF >500 To 2,500 CF, Asbestos Contaminated Soil, Asbestos Abatement And Disposal.....	20.53	
For Work In Restricted Working Space, Add	6.16	
02 82 33 00-0195 CF >2,500 To 10,000 CF, Asbestos Contaminated Soil, Asbestos Abatement And Disposal.....	17.45	
For Work In Restricted Working Space, Add	5.24	
02 82 33 00-0196 CF >10,000 CF, Asbestos Contaminated Soil, Asbestos Abatement And Disposal.....	15.70	
For Work In Restricted Working Space, Add	4.71	
02 82 33 00-0197 Asbestos Contaminated Light Fixture, Asbestos Abatement And Disposal (02 82 33 00-0180)		
02 82 33 00-0198 EA Up To 4 EA, Asbestos Contaminated Light Fixture, Asbestos Abatement And Disposal.....	516.08	
02 82 33 00-0199 EA >4 To 40 EA, Asbestos Contaminated Light Fixture, Asbestos Abatement And Disposal.....	46.19	
02 82 33 00-0200 EA >40 To 60 EA, Asbestos Contaminated Light Fixture, Asbestos Abatement And Disposal.....	30.79	
02 82 33 00-0201 EA >60 To 125 EA, Asbestos Contaminated Light Fixture, Asbestos Abatement And Disposal.....	23.13	
02 82 33 00-0202 EA >125 To 625 EA, Asbestos Contaminated Light Fixture, Asbestos Abatement And Disposal.....	18.48	
02 82 33 00-0203 EA >625 To 1,500 EA, Asbestos Contaminated Light Fixture, Asbestos Abatement And Disposal.....	15.71	
02 82 33 00-0204 EA >1,500 EA, Asbestos Contaminated Light Fixture, Asbestos Abatement And Disposal.....	14.13	
02 82 33 00-0205 Other Asbestos Containing Materials, Asbestos Abatement And Disposal (02 82 33)		
02 82 33 00-0206 30" To 36" Fire Door, Asbestos Abatement And Disposal (02 82 33 00-0205)		
02 82 33 00-0207 EA Up To 5 EA, 30" To 36" Fire Door, Asbestos Abatement And Disposal.....	103.21	
02 82 33 00-0208 EA >5 To 20 EA, 30" To 36" Fire Door, Asbestos Abatement And Disposal.....	39.58	
02 82 33 00-0209 EA >20 EA, 30" To 36" Fire Door, Asbestos Abatement And Disposal.....	26.39	
02 82 33 00-0210 HVAC Duct Flexible Connector (Web Cloth), Asbestos Abatement And Disposal (02 82 33 00-0205)		
02 82 33 00-0211 EA Up To 10 LF, HVAC Duct Flexible Connector (Web Cloth), Asbestos Abatement And Disposal.....	258.04	
02 82 33 00-0212 LF >10 To 50 LF, HVAC Duct Flexible Connector (Web Cloth), Asbestos Abatement And Disposal.....	5.28	
02 82 33 00-0213 LF >50 To 100 LF, HVAC Duct Flexible Connector (Web Cloth), Asbestos Abatement And Disposal.....	3.96	
02 82 33 00-0214 LF >100 To 250 LF, HVAC Duct Flexible Connector (Web Cloth), Asbestos Abatement And Disposal.....	3.40	
02 82 33 00-0215 LF >250 To 1,000 LF, HVAC Duct Flexible Connector (Web Cloth), Asbestos Abatement And Disposal.....	2.93	
02 82 33 00-0216 LF >1,000 To 2,500 LF, HVAC Duct Flexible Connector (Web Cloth), Asbestos Abatement And Disposal.....	2.51	
02 82 33 00-0217 LF >2,500 LF, HVAC Duct Flexible Connector (Web Cloth), Asbestos Abatement And Disposal.....	2.17	
02 82 33 00-0218 Grout, Asbestos Abatement And Disposal (02 82 33 00-0205)		
Note: e.g. flue grout.		
02 82 33 00-0219 EA Up To 10 LF, Grout, Asbestos Abatement And Disposal.....	193.54	
02 82 33 00-0220 LF >10 To 50 LF, Grout, Asbestos Abatement And Disposal.....	10.16	
02 82 33 00-0221 LF >50 To 100 LF, Grout, Asbestos Abatement And Disposal.....	6.99	
02 82 33 00-0222 LF >100 To 250 LF, Grout, Asbestos Abatement And Disposal.....	5.99	
02 82 33 00-0223 LF >250 To 1,000 LF, Grout, Asbestos Abatement And Disposal.....	5.14	
02 82 33 00-0224 LF >1,000 To 2,500 LF, Grout, Asbestos Abatement And Disposal.....	4.43	
02 82 33 00-0225 LF >2,500 LF, Grout, Asbestos Abatement And Disposal.....	3.80	

02 Existing Conditions**02 80 Facility Remediation****02 82 Asbestos Remediation**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 82 33 00-0226			Gaskets, Asbestos Abatement And Disposal (02 82 33 00-0205) Note: e.g. rope, web cloth, flat.		
02 82 33 00-0227	EA		Up To 10 LF, Gaskets, Asbestos Abatement And Disposal.....	193.54	
02 82 33 00-0228	LF		>10 To 50 LF, Gaskets, Asbestos Abatement And Disposal	13.69	
02 82 33 00-0229	LF		>50 To 250 LF, Gaskets, Asbestos Abatement And Disposal	10.26	
02 82 33 00-0230	LF		>250 To 500 LF, Gaskets, Asbestos Abatement And Disposal	8.74	
02 82 33 00-0231	LF		>500 To 1,500 LF, Gaskets, Asbestos Abatement And Disposal	7.87	
02 82 33 00-0232	LF		>1,500 To 2,500 LF, Gaskets, Asbestos Abatement And Disposal	7.07	
02 82 33 00-0233	LF		>2,500 LF, Gaskets, Asbestos Abatement And Disposal.....	6.73	
02 82 33 00-0234			Ceiling Tile Including Glue Removal, Asbestos Abatement And Disposal (02 82 33 00-0205) Note: e.g. grid, spline, or glued on; 12" x 12" to 2' x 4'.		
02 82 33 00-0235	EA		Up To 50 SF, Ceiling Tile Including Glue Removal, Asbestos Abatement And Disposal.....	516.08	
02 82 33 00-0236	SF		>50 To 1,000 SF, Ceiling Tile Including Glue Removal, Asbestos Abatement And Disposal.....	10.97	
02 82 33 00-0237	SF		>1,000 To 2,500 SF, Ceiling Tile Including Glue Removal, Asbestos Abatement And Disposal.....	5.28	
02 82 33 00-0238	SF		>2,500 To 10,000 SF, Ceiling Tile Including Glue Removal, Asbestos Abatement And Disposal.....	3.56	
02 82 33 00-0239	SF		>10,000 SF, Ceiling Tile Including Glue Removal, Asbestos Abatement And Disposal.....	3.03	
02 82 33 00-0240			Nailed-On Ceiling Tile System With Asbestos Barrier Paper Backing, Asbestos Abatement And Disposal (02 82 33 00-0205) Note: Includes ceiling tile, asbestos barrier paper, and furring strips.		
02 82 33 00-0241	EA		Up To 50 SF, Nailed-On Ceiling Tile System With Asbestos Barrier Paper Backing, Asbestos Abatement And Disposal.....	516.08	
02 82 33 00-0242	SF		>50 To 1,000 SF, Nailed-On Ceiling Tile System With Asbestos Barrier Paper Backing, Asbestos Abatement And Disposal.....	10.97	
02 82 33 00-0243	SF		>1,000 To 2,500 SF, Nailed-On Ceiling Tile System With Asbestos Barrier Paper Backing, Asbestos Abatement And Disposal	5.28	
02 82 33 00-0244	SF		>2,500 To 10,000 SF, Nailed-On Ceiling Tile System With Asbestos Barrier Paper Backing, Asbestos Abatement And Disposal	3.56	
02 82 33 00-0245	SF		>10,000 SF, Nailed-On Ceiling Tile System With Asbestos Barrier Paper Backing, Asbestos Abatement And Disposal.....	3.03	
02 82 33 00-0246			Caulking, Asbestos Abatement And Disposal (02 82 33 00-0205)		
02 82 33 00-0247			Non Friable Caulking, Asbestos Abatement And Disposal (02 82 33 00-0246)		
02 82 33 00-0248	EA		Up To 10 LF, Non Friable Asbestos Or PCB Contaminated Caulking, Asbestos Abatement And Disposal	193.54	
02 82 33 00-0249	LF		>10 To 50 LF, Non Friable Asbestos Or PCB Contaminated Caulking, Asbestos Abatement And Disposal.....	7.61	
02 82 33 00-0250	LF		>50 To 100 LF, Non Friable Asbestos Or PCB Contaminated Caulking, Asbestos Abatement And Disposal.....	5.37	
02 82 33 00-0251	LF		>100 To 250 LF, Non Friable Asbestos Or PCB Contaminated Caulking, Asbestos Abatement And Disposal.....	3.99	
02 82 33 00-0252	LF		>250 To 1,000 LF, Non Friable Asbestos Or PCB Contaminated Caulking, Asbestos Abatement And Disposal.....	3.00	
02 82 33 00-0253	LF		>1,000 To 2,500 LF, Non Friable Asbestos Or PCB Contaminated Caulking, Asbestos Abatement And Disposal.....	2.37	
02 82 33 00-0254	LF		>2,500 LF, Non Friable Asbestos Or PCB Contaminated Caulking, Asbestos Abatement And Disposal.....	2.06	
02 83			Lead Remediation (02 80) Note: Tasks include materials, equipment, mobilization, preparation, critical barriers (e.g. electrical outlets, registers, windows, etc.), signage, removal, clean-up, vacuuming, transportation for up to 25 miles, disposal, personnel health monitoring, negative air, documentation and other associated costs necessary for the complete removal and disposal of lead contaminated materials in accordance with EPA and local regulations. Where types of Lead are listed by quantity, the quantity of the entire project, not a particular work area, is to be used in determining which task applies. See CSI section 01 74 19 00-0038 for hauling in excess of 25 miles to transfer or disposal site, 02 81 00 00-0001 for transportation and disposal of hazardous material into approved facility., 02 89 00 00-0002 for solid isolation barriers, 02 89 00 00-0012 for plastic sheeting for containment construction, 02 89 00 00-0019 for decontamination chambers.		
02 83 19			Lead-Based Paint Remediation (02 83)		
02 83 19 13			Lead-Based Paint Abatement (02 83 19)		
02 83 19 13-0001			Sampling And Testing (02 83 19 13) Note: Includes taking sample, delivery to lab and lab fee.		
02 83 19 13-0002	EA		X-Ray Fluorescence (XRF) Lead Testing Including Technician, 3 Readings Per Surface.....	36.38	
02 83 19 13-0003	EA		Toxicity Characteristic Leaching Procedure (TCLP) Lead Test (5 Day Turnaround) And Lab Fee.....	34.83	
02 83 19 13-0004	EA		Toxicity Characteristic Leaching Procedure (TCLP) Lead Test (48 Hour Turnaround) And Lab Fee	52.78	
02 83 19 13-0005	EA		Toxicity Characteristic Leaching Procedure (TCLP) Lead Test (24 Hour Turnaround) And Lab Fee	73.88	
02 83 19 13-0006	EA		Total Threshold Leaching Concentration (TTL) Lead Test (5 Day Turnaround) And Lab Fee	13.72	
02 83 19 13-0007	EA		Total Threshold Leaching Concentration (TTL) Lead Test (24 Hour Turnaround) And Lab Fee.....	21.11	
02 83 19 13-0008	EA		Total Threshold Leaching Concentration (TTL) Lead Test (8 Hour Turnaround) And Lab Fee	26.39	
02 83 19 13-0009	EA		Soluble Threshold Limit Concentration (STLC) Lead Test (5 Day Turnaround) And Lab Fee	34.83	
02 83 19 13-0010	EA		Soluble Threshold Limit Concentration (STLC) Lead Test (3 Day Turnaround) And Lab Fee	52.78	
02 83 19 13-0011	EA		Lead Wipe Samples (5 Day Turnaround) And Lab Fee	5.81	
02 83 19 13-0012	EA		Lead Wipe Samples (24 Hour Turnaround) And Lab Fee.....	7.92	
02 83 19 13-0013	EA		Lead Wipe Samples (8 Hour Turnaround) And Lab Fee.....	11.61	
02 83 19 13-0014	EA		Lead Air Samples (5 Day Turn -Around) And Lab Fee	5.81	
02 83 19 13-0015	EA		Lead Air Samples (24 Hour Turnaround) And Lab Fee.....	7.92	
02 83 19 13-0016	EA		Lead Air Samples (8 Hour Turnaround) And Lab Fee.....	11.61	
02 83 19 13-0017	EA		Lead Water Test (5 Day Turnaround) and Lab Fee	21.11	
02 83 19 13-0018	EA		Lead Water Test (24 Hour Turnaround) and Lab Fee.....	31.66	
02 83 19 13-0019	EA		Lead Water Test (8 Hour Turnaround) and Lab Fee.....	42.22	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 83 19 13-0020	EA			Lead Paint Chip Test (5 Day Turnaround) and Lab Fee.....	21.83	
02 83 19 13-0021	EA			Lead Soil Test (5 Day Turnaround) and Lab Fee.....	43.66	
02 83 19 13-0022	EA			Sample Pickup, Per Trip.....	31.66	
02 83 19 13-0023				Minimum Charge For Lead-Based Paint Remediation <small>(02 83 19 13)</small>		
02 83 19 13-0024	EA			Lead-Based Paint Remediation Minimum Show Up Charge.....	802.01	
				Note: For projects where the total lead-based paint remediation charge is less than the minimum charge, use task "Minimum Charge For Lead-Based Paint Remediation" exclusively. Task "Minimum Charge For Lead-Based Paint Remediation" should not be used in conjunction with any other tasks in this section. Includes air sample and personal air monitoring.		
02 83 19 13-0025				Chemical Stripping Of Lead Contaminated Material <small>(02 83 19 13)</small>		
				Note: Per 0.02" (20 mils) application. Manufacture recommended operating temperatures not to be below 50 degrees. Includes heat gun (where required) for follow up, waste handling, packing and all personnel blood work, lab test fees and monitoring. Industrial coatings often contain other hazardous ingredients in addition to or in place of lead. These might include, but are not limited to, chromium, cadmium and mercury.		
02 83 19 13-0026	SF			Balustrades, Simple, Chemical Stripping Of Lead Contaminated Material.....	25.66	
02 83 19 13-0027	SF			Balustrades, Ornate, Chemical Stripping Of Lead Contaminated Material.....	38.36	
02 83 19 13-0028	LF			Up To 6" Wide Baseboard, Chemical Stripping Of Lead Contaminated Material.....	10.92	
02 83 19 13-0029	LF			>6" To 12" Wide Baseboard, Chemical Stripping Of Lead Contaminated Material.....	22.68	
02 83 19 13-0030	SF			Brick, Concrete Block, Concrete, Chemical Stripping Of Lead Contaminated Material.....	7.08	
02 83 19 13-0031	SF			Cabinets, Ornate, Chemical Stripping Of Lead Contaminated Material.....	27.51	
02 83 19 13-0032	SF			Cabinets, Simple Design, Chemical Stripping Of Lead Contaminated Material.....	21.48	
02 83 19 13-0033	SF			Ceilings, All, Chemical Stripping Of Lead Contaminated Material.....	9.95	
02 83 19 13-0034	SF			Columns, Chemical Stripping Of Lead Contaminated Material.....	9.41	
02 83 19 13-0035	SF			Cornice, Simple, Chemical Stripping Of Lead Contaminated Material.....	11.66	
02 83 19 13-0036	SF			Cornice, Ornate, Chemical Stripping Of Lead Contaminated Material.....	34.12	
02 83 19 13-0037	SF			Doors, One Side Flush, Chemical Stripping Of Lead Contaminated Material.....	8.35	
02 83 19 13-0038	SF			Doors, One Panel, Chemical Stripping Of Lead Contaminated Material.....	8.72	
02 83 19 13-0039	SF			Doors, Four Panel, Chemical Stripping Of Lead Contaminated Material.....	15.38	
02 83 19 13-0040	EA			Electrical Devices, Chemical Stripping Of Lead Contaminated Material.....	113.30	
02 83 19 13-0041	LF			Trim Or Frames, One Side, Chemical Stripping Of Lead Contaminated Material.....	10.85	
02 83 19 13-0042	LF			Up To 2" Electrical Conduit, Chemical Stripping Of Lead Contaminated Material.....	4.69	
02 83 19 13-0043	SF			Fence, Picket, Chemical Stripping Of Lead Contaminated Material.....	23.04	
02 83 19 13-0044	SF			Floors, Wood, Chemical Stripping Of Lead Contaminated Material.....	5.75	
02 83 19 13-0045	SF			Grilles, Ornate, Chemical Stripping Of Lead Contaminated Material.....	27.51	
02 83 19 13-0046	SF			Grilles, Simple, Chemical Stripping Of Lead Contaminated Material.....	22.99	
02 83 19 13-0047	EA			Hinges, Chemical Stripping Of Lead Contaminated Material.....	13.96	
02 83 19 13-0048	EA			Up To 6" Diameter Hangers, Chemical Stripping Of Lead Contaminated Material.....	17.38	
02 83 19 13-0049	LF			Up To 4" Diameter Pipes (Brush), Chemical Stripping Of Lead Contaminated Material.....	7.75	
02 83 19 13-0050	LF			>4" To 8" Diameter Pipes (Brush), Chemical Stripping Of Lead Contaminated Material.....	13.91	
02 83 19 13-0051	LF			>8" To 12" Diameter Pipes (Brush), Chemical Stripping Of Lead Contaminated Material.....	19.17	
02 83 19 13-0052	LF			>12" To 16" Diameter Pipes (Brush), Chemical Stripping Of Lead Contaminated Material.....	34.59	
02 83 19 13-0053	SF			>16" Diameter Pipes (Brush), Chemical Stripping Of Lead Contaminated Material, SF Of Surface Area.....	10.41	
02 83 19 13-0054	EA			Up To 12 SF Radiators, Chemical Stripping Of Lead Contaminated Material.....	208.52	
02 83 19 13-0055	EA			Shutters Front And Back Louvered, Up To 6', Chemical Stripping Of Lead Contaminated Material.....	233.39	
02 83 19 13-0056	EA			Shutters Flat, Chemical Stripping Of Lead Contaminated Material.....	171.07	
02 83 19 13-0057	SF			Siding, Chemical Stripping Of Lead Contaminated Material.....	7.86	
02 83 19 13-0058	SF			Soffit, Chemical Stripping Of Lead Contaminated Material.....	17.28	
02 83 19 13-0059	SF			Steel, Flat Surfaces And Tanks Up To 12', Chemical Stripping Of Lead Contaminated Material.....	7.68	
02 83 19 13-0060	SF			Steel Beams, Chemical Stripping Of Lead Contaminated Material.....	8.76	
02 83 19 13-0061	SF			Trusses, Chemical Stripping Of Lead Contaminated Material.....	12.62	
02 83 19 13-0062	SF			Walls, Wood, Chemical Stripping Of Lead Contaminated Material.....	8.76	
02 83 19 13-0063	SF			Windows, One Side, 1/1 Light, Chemical Stripping Of Lead Contaminated Material.....	20.83	
02 83 19 13-0064	SF			Windows, One Side, 2/2 Light, Chemical Stripping Of Lead Contaminated Material.....	22.85	
02 83 19 13-0065	SF			Windows, One Side, 4/4 Light, Chemical Stripping Of Lead Contaminated Material.....	24.21	
02 83 19 13-0066	SF			Windows, One Side, 6/6 Light, Chemical Stripping Of Lead Contaminated Material.....	25.58	
02 83 19 13-0067	SF			Windows, One Side, 8/8 Light Chemical Stripping Of Lead Contaminated Material.....	26.94	
02 83 19 13-0068	SF			Windows, One Side, 10/10 Light, Chemical Stripping Of Lead Contaminated Material.....	28.36	
02 83 19 13-0069	SF			Windows, One Side, 12/12 light Chemical Stripping Of Lead Contaminated Material.....	29.68	
02 83 19 13-0070	SF			Windows, One Side, 14/14 Light, Chemical Stripping Of Lead Contaminated Material.....	30.36	
02 83 19 13-0071	SF			Windows, One Side, 16/16 Light Chemical Stripping Of Lead Contaminated Material.....	31.07	
02 83 19 13-0072	SF			Windows, One Side, 20/20 Light, Chemical Stripping Of Lead Contaminated Material.....	31.73	
02 83 19 13-0073	SF			Metal Stair, Chemical Stripping Of Lead Contaminated Material.....	41.58	
02 83 19 13-0074	SF			Metal Railing And Posts, Chemical Stripping Of Lead Contaminated Material.....	20.89	
				Note: The unit of measure "SF" is measured for 'Length x Height'. Work includes both sides of railing.		
02 83 19 13-0075	LF			Ornate Railings, Chemical Stripping Of Lead Contaminated Material.....	7.02	
02 83 19 13-0076				Demolish Lead Contaminated Material <small>(02 83 19 13)</small>		
				Note: Includes waste handling, packing, all personnel blood work, lab test fees and monitoring. Industrial coatings often contain other hazardous ingredients in addition to or in place of lead. These might include, but are not limited to, chromium, cadmium and mercury.		
02 83 19 13-0077	SF			Demolish Ceiling Including Suspension System, Plaster, Lath, Lead Contaminated Material.....	1.87	
02 83 19 13-0078	SF			Demolish Suspended Acoustical Ceiling System, Including Tile, Lead Contaminated Material.....	1.09	
02 83 19 13-0079	SF			Demolish Acoustical Ceiling Tile, Lead Contaminated Material.....	0.69	
02 83 19 13-0080	SF			Demolish Metal Pan Grid System, Lead Contaminated Material.....	1.08	
02 83 19 13-0081	EA			Demolish Up To 2' x 4' Light Fixtures, Lead Contaminated Material.....	52.20	
02 83 19 13-0082	EA			Demolish >2' x 4' Light Fixtures, Lead Contaminated Material.....	69.25	
02 83 19 13-0083	SF			Demolish Non Load Bearing Partitions, Plaster, Lath And Studs, Lead Contaminated Material.....	7.74	

02 Existing Conditions**02 80 Facility Remediation****02 83 Lead Remediation**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

02 83 19 13-0084	SF	Demolish Non Load Bearing Partitions, Gypsum Board And Studs, Lead Contaminated Material	4.33
02 83 19 13-0085	SF	Removal Of Lead Paint On Brick Or Concrete Block, Lead Contaminated Material	4.76
02 83 19 13-0086	IN	Drilling, Up To 1/2" Diameter In Lead Paint/Asbestos Material Per Inch Of Depth	3.68
02 83 19 13-0087	IN	Drilling, >1/2" To 1" Diameter In Lead Paint/Asbestos Material Per Inch Of Depth	4.88
02 83 19 13-0088	SF	Demolish Balustrades And Railings, Lead Contaminated Material	5.41
02 83 19 13-0089	LF	Demolish Up To 6" Wide Baseboard, Lead Contaminated Material	1.41
02 83 19 13-0090	LF	Demolish >6" To 12" Wide Baseboard, Lead Contaminated Material	1.76
02 83 19 13-0091	LF	Demolish Base Shoe Molding, Lead Contaminated Material	1.14
02 83 19 13-0092	SF	Demolish Brick, Lead Contaminated Material	3.26
02 83 19 13-0093	SF	Demolish Concrete Block, Lead Contaminated Material	4.19
02 83 19 13-0094	SF	Demolish Concrete, Lead Contaminated Material	10.77
02 83 19 13-0095	LF	Demolish Cabinets, Lead Contaminated Material	25.08
02 83 19 13-0096	SF	Demolish Ceilings, Gypsum Board, Lead Contaminated Material	1.42
02 83 19 13-0097	SF	Demolish Up To 12" Diameter Columns, Lead Contaminated Material	13.90
02 83 19 13-0098	SF	Demolish Cornice, Lead Contaminated Material	1.85
02 83 19 13-0099	EA	Demolish Doors, Lead Contaminated Material	54.41
02 83 19 13-0100	LF	Demolish Door And Window Trim Or Frames, Lead Contaminated Material	1.66
02 83 19 13-0101	EA	Demolish Electrical Devices, Lead Contaminated Material	16.69
02 83 19 13-0102	LF	Demolish Up To 1" Diameter Electrical Conduit, Lead Contaminated Material	2.15
02 83 19 13-0103	LF	Demolish >1" To 2" Diameter Electrical Conduit, Lead Contaminated Material	3.56
02 83 19 13-0104	SF	Demolish Fence, Picket, Lead Contaminated Material	2.05
02 83 19 13-0105	SF	Demolish Wood Floors, Lead Contaminated Material	2.57
02 83 19 13-0106	SF	Demolish Grilles, Lead Contaminated Material	3.02
02 83 19 13-0107	EA	Demolish Hinges, Lead Contaminated Material	6.07
02 83 19 13-0108	EA	Demolish Up To 6" Diameter Hangers, Lead Contaminated Material	13.04
02 83 19 13-0109	LF	Demolish Up To 2" Diameter Pipes, Lead Contaminated Material	5.35
02 83 19 13-0110	LF	Demolish >2" To 4" Diameter Pipes, Lead Contaminated Material	7.80
02 83 19 13-0111	LF	Demolish >4" To 8" Diameter Pipes, Lead Contaminated Material	11.78
02 83 19 13-0112	LF	Demolish >8" To 12" Diameter Pipes, Lead Contaminated Material	21.74
02 83 19 13-0113	EA	Demolish Radiators, Lead Contaminated Material	93.92
02 83 19 13-0114	EA	Demolish Shutters And Louvered, Up To 6", Lead Contaminated Material	36.60
02 83 19 13-0115	SF	Demolish Siding, Lead Contaminated Material	1.46
02 83 19 13-0116	SF	Demolish Up To 12" Wide Soffit, Lead Contaminated Material	1.24
02 83 19 13-0117	SF	Demolish Steel, Flat Surfaces And Tanks Up To 12', Lead Contaminated Material	3.39
02 83 19 13-0118	SF	Demolish Steel Beams, Lead Contaminated Material	3.98
02 83 19 13-0119	SF	Demolish Trusses, Lead Contaminated Material	5.22
02 83 19 13-0120	SF	Demolish Walls, Wood, Lead Contaminated Material	3.87
02 83 19 13-0121	SF	Demolish Windows, Lead Contaminated Material	12.99
02 83 19 13-0122	SF	Demolish Metal Stair, Lead Contaminated Material	6.22
02 83 19 13-0123	LF	Demolish Metal Railing And Posts, Lead Contaminated Material	7.46
02 83 19 13-0124	SF	Demolish Plywood, Lead Contaminated Material	5.62
02 83 19 13-0125	SF	Demolish Planks (Various Sizes), Lead Contaminated Material	2.75
02 83 19 13-0126	SF	Demolish Ceramic Tile, Walls Or Floor, Lead Contaminated Material	3.17
02 83 19 13-0127	EA	Demolish Metal Brackets Or Other Small Metal Shapes, Lead Contaminated Material	17.14
02 83 19 13-0128	SF	Demolish Ceramic Tile Block, Lead Contaminated Material	3.74
02 83 19 13-0129	LF	Demolish Metal Hand Rails, Lead Contaminated Material	4.57
02 83 19 13-0130	LF	Demolish Metal Guard Rails, Lead Contaminated Material	10.29
02 83 19 13-0131	SF	Demolish Up To 100 SF Gypsum Wall Board, Lead Contaminated Material	5.48
02 83 19 13-0132	SF	Demolish >100 To 500 SF Gypsum Wall Board, Lead Contaminated Material	3.94
02 83 19 13-0133	SF	Demolish >500 To 2,500 SF Gypsum Wall Board, Lead Contaminated Material	3.08
02 83 19 13-0134	SF	Demolish >2,500 SF Gypsum Wall Board, Lead Contaminated Material	2.40
02 83 19 13-0135	SF	Demolish Up To 100 SF Plaster/Stucco, Lead Contaminated Material	17.14
02 83 19 13-0136	SF	Demolish >100 To 500 SF Plaster/Stucco, Lead Contaminated Material	12.19
02 83 19 13-0137	SF	Demolish >500 To 2,500 SF Plaster/Stucco, Lead Contaminated Material	9.14
02 83 19 13-0138	SF	Demolish >2,500 To 10,000 SF Plaster/Stucco, Lead Contaminated Material	6.86

02 83 19 13-0139 Wet Sanding Of Lead Contaminated Material (02 83 19 13)

02 83 19 13-0140	SF	Wet Sand/Scrape Of Lead Contaminated Material For Prep Before New Paint	1.49
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02 83 19 13-0141 Lead Abatement Encapsulation (02 83 19 13)

Note: Can also be used for asbestos contaminated encapsulation. Spray applied application unless task described otherwise.

02 83 19 13-0142	SF	Balustrades, Lead Abatement Encapsulation	4.74
02 83 19 13-0143	LF	Up To 6" Wide, Baseboard, Lead Abatement Encapsulation	5.45
02 83 19 13-0144	LF	>6" To 12" Wide, Baseboard, Lead Abatement Encapsulation	7.36
02 83 19 13-0145	SF	Brick, Concrete Block, Concrete, Lead Abatement Encapsulation	3.04
02 83 19 13-0146	SF	Ornate Cabinets, Lead Abatement Encapsulation	6.85
02 83 19 13-0147	SF	Simple Design Cabinets, Lead Abatement Encapsulation	5.57
02 83 19 13-0148	SF	Drywall Ceilings, Lead Abatement Encapsulation	1.90
02 83 19 13-0149	SF	Wood Ceilings, Lead Abatement Encapsulation	2.31
02 83 19 13-0150	SF	Acoustical And Popcorn Ceilings, Lead Abatement Encapsulation	2.15
02 83 19 13-0151	SF	Columns, Lead Abatement Encapsulation	3.68
02 83 19 13-0152	SF	Doors, Lead Abatement Encapsulation	8.04
02 83 19 13-0153	LF	Up To 2" Electrical Conduit, Lead Abatement Encapsulation	3.09
02 83 19 13-0154	SF	Picket Fence (Brush), Lead Abatement Encapsulation	2.19
02 83 19 13-0155	SF	Wood Floors (Roller), Lead Abatement Encapsulation	1.83
02 83 19 13-0156	SF	Grilles, Vents, Lead Abatement Encapsulation	5.10
02 83 19 13-0157	LF	Gutters And Downspouts, Lead Abatement Encapsulation	4.74
02 83 19 13-0158	EA	Hangers, Lead Abatement Encapsulation	40.31



Existing Conditions	02	02
Facility Remediation	02 80	
Lead Remediation	02 83	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 83 19 13-0159	LF		Up To 4" Diameter Pipe (Brush), Lead Abatement Encapsulation.....	2.87	
02 83 19 13-0160	LF		>4" To 8" Diameter Pipe (Brush), Lead Abatement Encapsulation.....	4.13	
02 83 19 13-0161	LF		>8" To 12" Diameter Pipe (Brush), Lead Abatement Encapsulation.....	6.39	
02 83 19 13-0162	LF		>12" To 16" Diameter Pipe (Brush), Lead Abatement Encapsulation.....	9.44	
02 83 19 13-0163	EA		Radiators, Lead Abatement Encapsulation.....	172.46	
02 83 19 13-0164	EA		Up To 6' Shutters, Lead Abatement Encapsulation.....	149.01	
02 83 19 13-0165	SF		Siding, Lead Abatement Encapsulation.....	2.62	
02 83 19 13-0166	SF		Up To 12" Soffit, Lead Abatement Encapsulation.....	3.68	
02 83 19 13-0167	SF		Steel, Flat Surfaces And Tanks Up To 12', Lead Abatement Encapsulation.....	3.04	
02 83 19 13-0168	SF		Steel Beams And Metal Decks, Lead Abatement Encapsulation.....	3.98	
02 83 19 13-0169	SF		Trusses, Lead Abatement Encapsulation.....	3.98	
02 83 19 13-0170	SF		Drywall Walls, Lead Abatement Encapsulation.....	1.69	
02 83 19 13-0171	SF		Wood Walls, Lead Abatement Encapsulation.....	2.08	
02 83 19 13-0172	EA		Window Without Grille, Lead Abatement Encapsulation.....	149.28	
02 83 19 13-0173	EA		Window With Grille, Lead Abatement Encapsulation.....	175.43	
02 83 19 13-0174	LF		Frames And Trim, Lead Abatement Encapsulation.....	2.70	
02 83 19 13-0175	LF		Steel Lintels, Lead Abatement Encapsulation.....	3.10	

02 83 33 Removal and Disposal of Material Containing Lead (02 83)

02 83 33 13 Lead-Based Paint Removal and Disposal (02 83 33)

02 83 33 13-0001 Remove Loose Dirt And Debris Containing Lead (02 83 33 13)

02 83 33 13-0002	SF	HEPA Vacuum And Wet Clean Lead Contaminated Area With Mild Detergent.....	0.24
02 83 33 13-0003	SF	HEPA Vacuum And Wet Clean Lead Contaminated Area With Tri-Sodium Phosphate.....	0.27
02 83 33 13-0004	SF	HEPA Vacuum And Shampoo Lead Contaminated Carpeting.....	1.08

02 84 Polychlorinate Biphenyl Remediation (02 80)

02 84 16 Handling Of Lighting Ballasts and Lamps Containing PBCs and Mercury (02 84)

02 84 16 00-0001 Removal Of TSCA-Exempt PCB And Non-PCB Ballasts From Demolished Fixtures (02 84 16)

Note: Includes removal of TSCA-exempt PCB and Non-PCB ballast from demolished lighting fixture and placing ballast in an approved container for recycling.

02 84 16 00-0002	EA	Removal Of TSCA-Exempt PCB And Non-PCB Ballast From A Demolished Fixture For Recycling.....	8.32
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02 84 16 00-0003 Recycle TSCA-Exempt PCB And Non-PCB Ballasts (02 84 16)

Note: Non leaking ballasts. Includes containers, shipping costs and recycling fees. Excludes ballast removal.

02 84 16 00-0004	EA	Recycle Non-PCB Ballast Removed From Up To 4' Length Fixtures.....	0.88
02 84 16 00-0005	EA	Recycle Non-PCB Ballast Removed From >4' To 8' Length Fixtures.....	1.32
02 84 16 00-0006	EA	Recycle TSCA-Exempt PCB Ballast Removed From Up To 4' Length Fixtures.....	4.11
02 84 16 00-0007	EA	Recycle TSCA-Exempt PCB Ballast Removed From >4' To 8' Length Fixtures.....	9.39

02 84 16 00-0008 Disposal Of Leaking PCB And Non-PCB Ballasts (02 84 16)

Note: Disposal at an EPA approved facility. Includes containers, shipping costs and disposal fees. Excludes ballast removal.

02 84 16 00-0009	EA	Dispose Of Leaking Non-PCB Ballast Removed From Up To 4' Length Fixtures.....	2.20
02 84 16 00-0010	EA	Dispose Of Leaking Non-PCB Ballast Removed From >4' To 8' Length Fixtures.....	3.30
02 84 16 00-0011	EA	Dispose Of Leaking PCB Ballast Removed From Up To 4' Length Fixtures.....	6.16
02 84 16 00-0012	EA	Dispose Of Leaking PCB Ballast Removed From >4' To 8' Length Fixtures.....	14.08

02 84 33 Removal and Disposal of Polychlorinate Biphenyls (02 84)

02 84 33 00-0001 Removal And Disposal Of Polychlorinate Biphenyls Oil Filled Transformers (02 84 33)

Note: Includes disposal in approved container, rigging, manifesting, hauling, etc.

02 84 33 00-0002	EA	Removal And Disposal Of Transformers 2.5/3.5 KVA, Non PCB.....	1,761.43
Note: Includes disposal costs.			
02 84 33 00-0003	EA	Removal And Disposal Of Transformers 20 KVA, Non PCB.....	2,723.39
Note: Includes disposal costs.			
02 84 33 00-0004	EA	Removal And Disposal Of Switch, Non PCB.....	859.31
02 84 33 00-0005	EA	Removal And Disposal Of Transformers 2.5/3.5 KVA, PCB.....	3,167.09
Note: Includes disposal costs.			
02 84 33 00-0006	EA	Removal And Disposal Of Switch, PCB.....	1,779.48
02 84 33 00-0007	EA	Removal And Disposal Of Transformers 20 KVA, PCB.....	4,924.96
Note: Includes disposal costs.			

02 87 Bio-Hazard Material Remediation (02 80)

Note: Tasks includes materials, equipment, mobilization, preparation, critical barriers (e.g. electrical outlets, registers, windows, etc.), signage, removal, clean-up, vacuuming, disposal, personnel health monitoring, documentation and other associated costs necessary for the complete removal and disposal of the contaminated material in accordance with EPA and local regulations. The quantity of the entire project, not a particular work area, is to be used in determining which tasks apply. There is a task with a unit of measure of EA for a quantity of less than 10 SF, followed by a series of tasks for additional quantities. For those tasks the contractor will be paid the first task with a unit of measure of EA, plus each additional task in sequence to arrive at the total quantity for the entire project, not a particular work area.



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

02 87 13 Mold Remediation (02 87)

Note: All unit pricing in this section includes: materials, equipment, mobilization, preparation, removal, clean-up, vacuuming, transportation for up to 25 miles, disposal, monitoring (personnel and air), sampling/testing, fees, documentation and other associated costs necessary for the complete removal and disposal of mold in accordance with EPA, OSHA, IICRC standards and local regulations. Where types of Mold are listed by quantity, the quantity of the entire project, not a particular work area of building, is to be used in determining which task applies. See CSI section 01 74 19 00-0038 for hauling in excess of 25 miles to transfer or disposal site, 02 81 00 00-0000 for hauling in excess of 25 miles to transfer or disposal site, 02 89 00 00-0002 for solid isolation barriers, 02 89 00 00-0012 for plastic sheeting for containment construction, 02 89 00 00-0019 for decontamination chambers.

02 87 13 33 Removal and Disposal of Materials with Mold (02 87 13)

02 87 13 33-0001	LF	Pipe And Pipe Fittings Insulation, Mold Abatement And Disposal (02 87 13 33)	
		Note: Treat fittings as additional lf of insulation.	
02 87 13 33-0002	LF	Pipe Insulation, Mold Abatement And Disposal (02 87 13 33-0001)	
		Note: Diameter is outer size of insulation.	
02 87 13 33-0003	LF	Up To 6" Diameter Pipe Insulation, Mold Abatement And Disposal (02 87 13 33-0002)	
		Note: Excludes encased fittings.	
02 87 13 33-0004	LF	Up To 25 LF, Up To 6" Diameter Pipe Insulation, Mold Abatement And Disposal	26.74
02 87 13 33-0005	LF	>25 To 250 LF, Up To 6" Diameter Pipe Insulation, Mold Abatement And Disposal.....	19.96
02 87 13 33-0006	LF	>250 To 500 LF, Up To 6" Diameter Pipe Insulation, Mold Abatement And Disposal.....	14.97
02 87 13 33-0007	LF	>500 To 2,500 LF, Up To 6" Diameter Pipe Insulation, Mold Abatement And Disposal.....	11.23
02 87 13 33-0008	LF	>2,500 To 10,000 LF, Up To 6" Diameter Pipe Insulation, Mold Abatement And Disposal.....	8.42
02 87 13 33-0009	LF	>10,000 LF, Up To 6" Diameter Pipe Insulation, Mold Abatement And Disposal.....	7.32
02 87 13 33-0010	LF	>6" Diameter Pipe Insulation, Mold Abatement And Disposal (02 87 13 33-0002)	
02 87 13 33-0011	LF	Up To 25 LF, >6" Diameter Pipe Insulation, Mold Abatement And Disposal.....	30.75
02 87 13 33-0012	LF	>25 To 250 LF, >6" Diameter Pipe Insulation, Mold Abatement And Disposal	22.95
02 87 13 33-0013	LF	>250 To 500 LF, >6" Diameter Pipe Insulation, Mold Abatement And Disposal	17.21
02 87 13 33-0014	LF	>500 To 2,500 LF, > 6" Diameter Pipe Insulation, Mold Abatement And Disposal	12.90
02 87 13 33-0015	LF	>2,500 To 10,000 LF, >6" Diameter Pipe Insulation, Mold Abatement And Disposal	9.68
02 87 13 33-0016	LF	>10,000 LF, > 6" Diameter Pipe Insulation, Mold Abatement And Disposal	8.42
02 87 13 33-0017	SF	Thermal Insulation, Mold Abatement And Disposal (02 87 13 33)	
02 87 13 33-0018	SF	Other Thermal Insulation, Up To 3" Thick, Mold Abatement And Disposal (02 87 13 33-0017)	
02 87 13 33-0019	SF	Up To 50 SF, Up To 3" Thick Thermal Insulation, Mold Abatement And Disposal.....	16.13
02 87 13 33-0020	SF	>50 To 500 SF, Up To 3" Thick Thermal Insulation, Mold Abatement And Disposal	11.47
02 87 13 33-0021	SF	>500 To 2,500 SF, Up To 3" Thick Thermal Insulation, Mold Abatement And Disposal	8.60
02 87 13 33-0022	SF	>2,500 To 10,000 SF, Up To 3" Thick Other Thermal Insulation, Mold Abatement And Disposal	6.45
02 87 13 33-0023	SF	>10,000 SF, Up To 3" Thick Thermal Insulation, Mold Abatement And Disposal	4.94
02 87 13 33-0024	SF	Surfacing Material, Mold Abatement And Disposal (02 87 13 33)	
		Note: e.g. fireproofing, acoustical plaster, etc.	
02 87 13 33-0025	SF	Stucco, Mold Abatement And Disposal (02 87 13 33-0024)	
		Note: Remove surface coat from brown coat or remove entire assembly, including lath.	
02 87 13 33-0026	SF	Up To 100 SF, Stucco, Mold Abatement And Disposal.....	16.13
02 87 13 33-0027	SF	>100 To 500 SF, Stucco, Mold Abatement And Disposal	11.47
02 87 13 33-0028	SF	>500 To 2,500 SF, Stucco, Mold Abatement And Disposal	8.60
02 87 13 33-0029	SF	>2,500 To 10,000 SF, Stucco, Mold Abatement And Disposal	6.45
02 87 13 33-0030	SF	>10,000 SF, Stucco, Mold Abatement And Disposal	4.85
02 87 13 33-0031	SF	Acoustical Plaster, Mold Abatement And Disposal (02 87 13 33-0024)	
		Note: Remove surface coat from brown coat or remove entire assembly, including lath.	
02 87 13 33-0032	SF	Up To 100 SF, Acoustical Plaster, Mold Abatement And Disposal	16.13
02 87 13 33-0033	SF	>100 To 500 SF, Acoustical Plaster, Mold Abatement And Disposal.....	11.47
02 87 13 33-0034	SF	>500 To 2,500 SF, Acoustical Plaster, Mold Abatement And Disposal.....	8.60
02 87 13 33-0035	SF	>2,500 To 10,000 SF, Acoustical Plaster, Mold Abatement And Disposal.....	6.45
02 87 13 33-0036	SF	>10,000 SF, Acoustical Plaster, Mold Abatement And Disposal.....	4.85
02 87 13 33-0037	SF	Gypsum Board, Mold Abatement And Disposal (02 87 13 33-0024)	
		Note: Remove surface coat from brown coat or remove entire assembly, including lath.	
02 87 13 33-0038	SF	Up To 100 SF, Gypsum Board, Mold Abatement And Disposal.....	5.16
02 87 13 33-0039	SF	>100 To 500 SF, Gypsum Board, Mold Abatement And Disposal	3.71
02 87 13 33-0040	SF	>500 To 2,500 SF, Gypsum Board, Mold Abatement And Disposal	2.90
02 87 13 33-0041	SF	>2,500 To 10,000 SF, Gypsum Board, Mold Abatement And Disposal	2.25
02 87 13 33-0042	SF	>10,000 SF, Gypsum Board, Mold Abatement And Disposal	1.61
02 87 13 33-0043	SF	Fireproofing, Mold Abatement And Disposal (02 87 13 33-0024)	
		Note: Exposed surface area, includes associated overspray.	
02 87 13 33-0044	SF	Up To 100 SF, Fireproofing, Mold Abatement And Disposal	16.13
02 87 13 33-0045	SF	>100 To 500 SF, Fireproofing, Mold Abatement And Disposal	15.80
02 87 13 33-0046	SF	>500 To 2,500 SF, Fireproofing, Mold Abatement And Disposal	11.87
02 87 13 33-0047	SF	>2,500 To 10,000 SF, Fireproofing, Mold Abatement And Disposal	8.90
02 87 13 33-0048	SF	>10,000 SF, Fireproofing, Mold Abatement And Disposal	6.68



Existing Conditions	02
Facility Remediation	02 80
Bio-Hazard Material Remediation	02 87

02

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 87 13 33-0049 Flooring, Mold Abatement And Disposal (02 87 13 33) Note: Includes cove base.		
02 87 13 33-0050 Floor Tile Or Linoleum, Mold Abatement And Disposal (02 87 13 33-0049)		
02 87 13 33-0051 Floor Tile Or Linoleum, Mold Abatement And Disposal (02 87 13 33-0050) Note: Single layer or first of multiple layers.		
02 87 13 33-0052 SF Up To 100 SF, Single Layer Or First Of Multiple Layers, Floor Tile Or Linoleum, Mold Abatement And Disposal	5.86	
For Each Additional Layer, Add	1.47	
02 87 13 33-0053 SF >100 To 500 SF, Single Layer Or First Of Multiple Layers, Floor Tile Or Linoleum, Mold Abatement And Disposal	3.68	
For Each Additional Layer, Add	0.92	
02 87 13 33-0054 SF >500 To 2,500 SF, Single Layer Or First Of Multiple Layers, Floor Tile Or Linoleum, Mold Abatement And Disposal.....	1.99	
For Each Additional Layer, Add	0.50	
02 87 13 33-0055 SF >2,500 To 10,000 SF, Single Layer Or First Of Multiple Layers, Floor Tile Or Linoleum, Mold Abatement And Disposal.....	1.07	
For Each Additional Layer, Add	0.27	
02 87 13 33-0056 SF >10,000 SF, Single Layer Or First Of Multiple Layers, Floor Tile Or Linoleum, Mold Abatement And Disposal	0.79	
For Each Additional Layer, Add	0.20	
02 87 13 33-0057 Carpet, Mold Abatement And Disposal (02 87 13 33-0049)		
02 87 13 33-0058 Carpet, Glue Down, Mold Abatement And Disposal (02 87 13 33-0057)		
02 87 13 33-0059 SF Up To 100 SF, Carpet, Glue Down, Mold Abatement And Disposal	4.69	
02 87 13 33-0060 SF >100 To 500 SF, Carpet, Glue Down, Mold Abatement And Disposal.....	3.04	
02 87 13 33-0061 SF >500 To 2,500 SF, Carpet, Glue Down, Mold Abatement And Disposal.....	1.85	
02 87 13 33-0062 SF >2,500 To 10,000 SF, Carpet, Glue Down, Mold Abatement And Disposal.....	1.17	
02 87 13 33-0063 SF >10,000 SF, Carpet, Glue Down, Mold Abatement And Disposal.....	0.86	
02 87 13 33-0064 Carpet, Padded With Tack Strips, Mold Abatement And Disposal (02 87 13 33-0057)		
02 87 13 33-0065 SF Up To 100 SF, Carpet And Pad, Mold Abatement And Disposal	5.16	
Note: Includes tack strips.		
02 87 13 33-0066 SF >100 To 500 SF, Carpet And Pad, Mold Abatement And Disposal	3.44	
Note: Includes tack strips.		
02 87 13 33-0067 SF >500 To 2,500 SF, Carpet And Pad, Mold Abatement And Disposal	2.46	
Note: Includes tack strips.		
02 87 13 33-0068 SF >2,500 To 10,000 SF, Carpet And Pad, Mold Abatement And Disposal.....	1.91	
Note: Includes tack strips.		
02 87 13 33-0069 SF >10,000 SF, Carpet And Pad, Mold Abatement And Disposal.....	1.44	
Note: Includes tack strips.		
02 87 13 33-0070 Subflooring, Mold Abatement And Disposal (02 87 13 33-0049)		
02 87 13 33-0071 SF Up To 100 SF, Subflooring, Mold Abatement And Disposal	6.83	
02 87 13 33-0072 SF >100 To 500 SF, Subflooring, Mold Abatement And Disposal	4.27	
02 87 13 33-0073 SF >500 To 2,500 SF, Subflooring, Mold Abatement And Disposal	2.67	
02 87 13 33-0074 SF >2,500 To 10,000 SF, Subflooring, Mold Abatement And Disposal	1.55	
02 87 13 33-0075 SF >10,000 SF, Subflooring, Mold Abatement And Disposal	0.92	
02 87 13 33-0076 Siding, Mold Abatement And Disposal (02 87 13 33)		
02 87 13 33-0077 Interior Paneling, Mold Abatement And Disposal (02 87 13 33-0076) Note: Includes detachment of mounted objects before removal.		
02 87 13 33-0078 SF Up To 100 SF, Interior Paneling, Mold Abatement And Disposal	5.16	
Note: Includes detachment of mounted objects before removal.		
02 87 13 33-0079 SF >100 To 500 SF, Interior Paneling, Mold Abatement And Disposal.....	3.67	
Note: Includes detachment of mounted objects before removal.		
02 87 13 33-0080 SF >500 To 2,500 SF, Interior Paneling, Mold Abatement And Disposal	2.53	
Note: Includes detachment of mounted objects before removal.		
02 87 13 33-0081 SF >2,500 To 10,000 SF, Interior Paneling, Mold Abatement And Disposal.....	1.41	
Note: Includes detachment of mounted objects before removal.		
02 87 13 33-0082 SF >10,000 SF, Interior Paneling, Mold Abatement And Disposal.....	1.03	
Note: Includes detachment of mounted objects before removal.		
02 87 13 33-0083 Exterior Siding, Mold Abatement And Disposal (02 87 13 33-0076)		
02 87 13 33-0084 SF Up To 100 SF, Exterior Siding Board, Mold Abatement And Disposal.....	7.17	
02 87 13 33-0085 SF >100 To 500 SF, Exterior Siding Board, Mold Abatement And Disposal	4.61	
02 87 13 33-0086 SF >500 To 2,500 SF, Exterior Siding Board, Mold Abatement And Disposal	3.15	
02 87 13 33-0087 SF >2,500 To 10,000 SF, Exterior Siding Board, Mold Abatement And Disposal	2.06	
02 87 13 33-0088 SF >10,000 SF, Exterior Siding Board, Mold Abatement And Disposal	1.85	
02 87 13 33-0089 Contaminated Debris, Mold Abatement And Disposal (02 87 13 33)		
02 87 13 33-0090 Contaminated Debris, Mold Abatement And Disposal (02 87 13 33-0089)		
02 87 13 33-0091 CF Up To 10 CF, Contaminated Debris, Mold Abatement And Disposal.....	29.75	
02 87 13 33-0092 CF >10 To 100 CF, Contaminated Debris, Mold Abatement And Disposal	17.85	

02 Existing Conditions**02 80 Facility Remediation****02 87 Bio-Hazard Material Remediation**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 87 13 33-0093	CF		>100 To 250 CF, Contaminated Debris, Mold Abatement And Disposal	11.90	
02 87 13 33-0094	CF		>250 To 500 CF, Contaminated Debris, Mold Abatement And Disposal	8.92	
02 87 13 33-0095	CF		>500 To 2,500 CF, Contaminated Debris, Mold Abatement And Disposal	7.14	
02 87 13 33-0096	CF		>2,500 To 10,000 CF, Contaminated Debris, Mold Abatement And Disposal	3.90	
02 87 13 33-0097	CF		>10,000 CF, Contaminated Debris, Mold Abatement And Disposal	3.50	
02 87 13 33-0098			Other Mold Containing Materials, Mold Abatement And Disposal (02 87 13 33)		
02 87 13 33-0099			Wood Studs, Mold Abatement And Disposal (02 87 13 33-0098)		
			Note: 2" x 4" or 2" x 6" exposed studs in walls. Excludes surfacing material.		
02 87 13 33-0100	LF		Up To 100 LF, Wood Studs, Mold Abatement And Disposal	2.89	
02 87 13 33-0101	LF		>100 To 500 LF, Wood Studs, Mold Abatement And Disposal	2.08	
02 87 13 33-0102	LF		>500 To 2,500 LF, Wood Studs, Mold Abatement And Disposal	1.52	
02 87 13 33-0103	LF		>2,500 To 10,000 LF, Wood Studs, Mold Abatement And Disposal	1.17	
02 87 13 33-0104	LF		>10,000 LF, Wood Studs, Mold Abatement And Disposal	0.87	
02 87 13 33-0105			Ceiling Tile, Mold Abatement And Disposal (02 87 13 33-0098)		
			Note: e.g. grid, spline, or glued on; 12" x 12" to 2' x 4'.		
02 87 13 33-0106	SF		Up To 200 SF, Ceiling Tile, Mold Abatement And Disposal	8.60	
02 87 13 33-0107	SF		>200 To 1,000 SF, Ceiling Tile, Mold Abatement And Disposal	6.45	
02 87 13 33-0108	SF		>1,000 To 2,500 SF, Ceiling Tile, Mold Abatement And Disposal	2.94	
02 87 13 33-0109	SF		>2,500 To 10,000 SF, Ceiling Tile, Mold Abatement And Disposal	2.06	
02 87 13 33-0110	SF		>10,000 SF, Ceiling Tile, Mold Abatement And Disposal	1.85	
02 87 13 33-0111			Caulking, Mold Abatement And Disposal (02 87 13 33-0098)		
02 87 13 33-0112	LF		Up To 10 LF, Caulking, Mold Abatement And Disposal	3.04	
02 87 13 33-0113	LF		>10 To 50 LF, Caulking, Mold Abatement And Disposal	2.58	
02 87 13 33-0114	LF		>50 To 100 LF, Caulking, Mold Abatement And Disposal	1.85	
02 87 13 33-0115	LF		>100 To 250 LF, Caulking, Mold Abatement And Disposal	1.40	
02 87 13 33-0116	LF		>250 To 1,000 LF, Caulking, Mold Abatement And Disposal	1.03	
02 87 13 33-0117	LF		>1,000 To 2,500 LF, Caulking, Mold Abatement And Disposal	0.84	
02 87 13 33-0118	LF		>2,500 LF, Caulking, Mold Abatement And Disposal	0.72	
02 87 13 33-0119			Wipe Down Walls, Ceilings And Floors (02 87 13 33-0098)		
02 87 13 33-0120	CSF		Wipe Down Floors With Mild Bleach Solution	14.33	
02 87 13 33-0121	CSF		Wipe Down Walls With Mild Bleach Solution	16.87	
02 87 13 33-0122	CSF		Wipe Down Ceilings With Mild Bleach Solution	19.19	
02 87 13 33-0123	CSF		Wipe Down Countertops With Mild Bleach Solution	15.64	
02 87 13 33-0124	CSF		Wipe Down Other Surfaces With Mild Bleach Solution	19.85	
02 87 13 33-0125			Cabinets (02 87 13 33-0098)		
02 87 13 33-0126	LF		Up To 20 LF, Base Cabinet, Mold Abatement And Disposal	52.91	
02 87 13 33-0127	LF		>20 LF, Base Cabinet, Mold Abatement And Disposal	37.35	
02 87 13 33-0128	LF		Up To 20 LF, Wall Cabinet, Mold Abatement And Disposal	46.69	
02 87 13 33-0129	LF		>20 LF, Wall Cabinet, Mold Abatement And Disposal	31.13	
02 87 16 Excrement Removal (02 87)					
02 87 16 13 Bird Excrement Removal (02 87 16)					
02 87 16 13-0001 Bird Waste Removal (02 87 16 13)					
			Note: In addition to items listed the Bio-Hazard Material Remediation note above, tasks include wetting agents and disinfection of contaminated surfaces.		
02 87 16 13-0002	EA		Up To 10 SF Bird Waste Removal, Up To 3" Thickness	516.08	
			For Work In Restricted Working Space, Add	154.82	
02 87 16 13-0003	SF		>10 To 500 SF Bird Waste Removal, Up To 3" Thickness	8.60	
			For Work In Restricted Working Space, Add	2.58	
02 87 16 13-0004	SF		>500 To 2,500 SF Bird Waste Removal, Up To 3" Thickness	7.82	
			For Work In Restricted Working Space, Add	2.35	
02 87 16 13-0005	SF		>2,500 To 10,000 SF Bird Waste Removal, Up To 3" Thickness	7.11	
			For Work In Restricted Working Space, Add	2.13	
02 87 16 13-0006	SF		>10,000 SF Bird Waste Removal, Up To 3" Thickness	6.46	
			For Work In Restricted Working Space, Add	1.94	
02 89 Hazmat Ancillary Tasks And Support (02 80)					
02 89 00 00-0001 Barriers And Protection (02 89)					
			Note: Includes removal and disposal after use.		
02 89 00 00-0002 Isolation Barriers (02 89 00 00-0001)					
			Note: Use framing task with applicable barrier task. See CSI section 01 56 16 00-0016 for temporary stud walls.		
02 89 00 00-0003	SF		1/2" Plywood For Solid Isolation Barrier	2.93	
02 89 00 00-0004	SF		6 Mil Plastic Sheeting For Separation Barrier	0.31	
02 89 00 00-0005	SF		1/2" Drywall For Solid Isolation Barrier	1.39	
02 89 00 00-0006	SF		5/8" Drywall For Solid Isolation Barrier	1.53	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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02 89 00 00-0007

Cleaning Surfaces (02 89 00 00-0001)

Note: Other surfaces within contamination area but not contaminated by, or part of removal.

02 89 00 00-0008	SF	Up To 100 SF, Clean Asbestos Surface.....		1.25	
02 89 00 00-0009	SF	>100 To 500 SF, Clean Asbestos Surface.....		0.88	
02 89 00 00-0010	SF	>500 To 1,000 SF, Clean Asbestos Surface.....		0.57	
02 89 00 00-0011	SF	>1,000 SF, Clean Asbestos Surface.....		0.44	

02 89 00 00-0012

Hazmat Containment Construction (02 89 00 00-0001)

02 89 00 00-0013	SF	6 Mil Plastic Sheeting, Applied To Floors, Hazmat Containment Construction.....		0.31	
02 89 00 00-0014	SF	6 Mil Plastic Sheeting, Applied To Walls, Hazmat Containment Construction.....		0.41	
02 89 00 00-0015	SF	6 Mil Plastic Sheeting, Applied To Ceilings, Hazmat Containment Construction.....		0.55	
02 89 00 00-0016	SF	6 Mil Plastic Anti Static And Fire And Flame Retardant Sheeting, Applied To Floors, Hazmat Containment Construction.....		0.49	
02 89 00 00-0017	SF	6 Mil Plastic Anti Static And Fire And Flame Retardant Sheeting, Applied To Walls, Hazmat Containment Construction.....		0.63	
02 89 00 00-0018	SF	6 Mil Plastic Anti Static And Fire And Flame Retardant Sheeting, Applied To Ceilings, Hazmat Containment Construction.....		0.83	

02 89 00 00-0019

Decontamination Chambers (02 89)

Note: Includes removal after use.

02 89 00 00-0020	EA	Portable Personnel Decontamination Wash Facility (3 Stage)		602.23	
		Note: Includes connection to negative air system.			
		For Dismantling And Relocation To A Different Area, Add		378.41	
02 89 00 00-0021	EA	Portable Waste Decontamination Unit.....		385.86	
		Note: Includes connection to negative air system.			
		For Dismantling And Relocation To A Different Area, Add		273.95	

02 90 Disaster Recovery (02)

Note: The tasks in this division are only to be used when specifically requested by the Owner and are not to be combined with tasks from other divisions of this or other Construction Task Catalogs® unless specifically requested by the Owner.

02 90 50 Cleaning And Emergency Clean-up (02 90)

02 90 50 00-0001

Non-Mold Contaminated Wet Material Removal (02 90 50)

Note: For materials that do not require mold abatement.

02 90 50 00-0002	SY	Wet Broadloom Carpet Removal.....		7.19	
02 90 50 00-0003	SY	Wet Carpet Tile Removal.....		1.75	
02 90 50 00-0004	SF	Wet Batt Insulation Removal.....		0.15	
02 90 50 00-0005	SF	Wet Ceiling Tile Removal.....		0.18	
02 90 50 00-0006	SF	Single Layer, Wet Gypsum Board Removal.....		0.17	
02 90 50 00-0007	SF	Double Layer, Wet Gypsum Board Removal.....		0.27	

02 90 50 00-0008

Cleaning (02 90 50)

Note: Use "Light Clean" when soot or dust is barely evident. Use "Medium Clean" when paint color can be seen through the soot or dust. Use "Heavy Clean" when paint color cannot be seen. Includes all man power, equipment and expendables required

02 90 50 00-0009

Clean Furnishings (02 90 50 00-0008)

02 90 50 00-0010	EA	Office Equipment, Exterior Wipe.....		25.86	
		For Medium Clean, Add		10.86	
		For Heavy Clean, Add		33.62	
02 90 50 00-0011	SF	Bookcase (Per SF Of Face Area), Light Clean.....		1.44	
		For Medium Clean, Add		0.60	
		For Heavy Clean, Add		1.87	
02 90 50 00-0012	LF	Shelving, Light Clean.....		2.59	
		For Medium Clean, Add		1.09	
		For Heavy Clean, Add		3.37	
02 90 50 00-0013	EA	Plastic Or Metal Chair, Light Clean.....		7.47	
		For Medium Clean, Add		3.14	
		For Heavy Clean, Add		9.71	
02 90 50 00-0014	EA	Upholstered Chair, Light Clean.....		24.14	
		For Medium Clean, Add		10.14	
		For Heavy Clean, Add		31.38	
02 90 50 00-0015	EA	Upholstered Sofa, Light Clean.....		148.86	
		For Medium Clean, Add		62.52	
		For Heavy Clean, Add		193.52	
02 90 50 00-0016	EA	Desk, Light Clean.....		30.46	
		For Medium Clean, Add		12.79	
		For Heavy Clean, Add		39.60	
02 90 50 00-0017	EA	Table, Light Clean.....		28.74	
		For Medium Clean, Add		12.07	
		For Heavy Clean, Add		37.36	
02 90 50 00-0018	EA	Two Drawer File Cabinet, Light Clean.....		6.30	
		For Medium Clean, Add		2.65	
		For Heavy Clean, Add		8.19	

02 Existing Conditions**02 90 Disaster Recovery****02 90 50 Cleaning And Emergency Clean-up**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 90 50 00-0019 EA Four Drawer File Cabinet, Light Clean.....	8.06	
For Medium Clean, Add	3.39	
For Heavy Clean, Add	10.48	
02 90 50 00-0020 LF Base Cabinet, Exterior Wipe, Light Clean.....	6.61	
For Medium Clean, Add	2.78	
For Heavy Clean, Add	8.59	
02 90 50 00-0021 LF Base Cabinet, Exterior And Interior Wipe, Light Clean	12.93	
For Medium Clean, Add	5.43	
For Heavy Clean, Add	16.81	
02 90 50 00-0022 LF Wall Cabinet, Exterior Wipe, Light Clean.....	6.61	
For Medium Clean, Add	2.78	
For Heavy Clean, Add	8.59	
02 90 50 00-0023 LF Wall Cabinet, Exterior And Interior Wipe, Light Clean.....	11.50	
For Medium Clean, Add	4.83	
For Heavy Clean, Add	14.95	
02 90 50 00-0024 EA Picture Frame, Glass And Back, Light Clean.....	2.76	
For Medium Clean, Add	1.16	
For Heavy Clean, Add	3.59	
02 90 50 00-0025 Clean Hard Surfaces (02 90 50 00-0008)		
02 90 50 00-0026 LF Wood, Vinyl Or Rubber Baseboard, Light Clean.....	0.38	
For Medium Clean, Add	0.16	
For Heavy Clean, Add	0.49	
02 90 50 00-0027 EA Door And Hardware (Per Side), Light Clean.....	4.89	
For Medium Clean, Add	2.05	
For Heavy Clean, Add	6.36	
02 90 50 00-0028 EA Detailed Door And Hardware (Per Side), Light Clean.....	5.55	
For Medium Clean, Add	2.33	
For Heavy Clean, Add	7.22	
02 90 50 00-0029 SF Overhead Door, Light Clean	0.39	
For Medium Clean, Add	0.16	
For Heavy Clean, Add	0.51	
02 90 50 00-0030 SF Mirror, Light Clean	0.29	
For Medium Clean, Add	0.12	
For Heavy Clean, Add	0.38	
02 90 50 00-0031 SF Window, Light Clean.....	0.85	
For Medium Clean, Add	0.36	
For Heavy Clean, Add	1.11	
02 90 50 00-0032 LF Handrail, Light Clean	0.75	
For Medium Clean, Add	0.32	
For Heavy Clean, Add	0.98	
02 90 50 00-0033 LF Bumper Rail, Light Clean.....	0.40	
For Medium Clean, Add	0.17	
For Heavy Clean, Add	0.52	
02 90 50 00-0034 SF Hard Floor, Light Clean.....	0.33	
For Medium Clean, Add	0.14	
For Heavy Clean, Add	0.43	
02 90 50 00-0035 SF Carpet, Light Clean.....	0.34	
For Medium Clean, Add	0.14	
For Heavy Clean, Add	0.44	
02 90 50 00-0036 SF Hard Ceiling, Light Clean.....	0.27	
For Medium Clean, Add	0.11	
For Heavy Clean, Add	0.35	
02 90 50 00-0037 SF Suspended Ceiling, Tile And Grid, Light Clean.....	0.29	
For Medium Clean, Add	0.12	
For Heavy Clean, Add	0.38	
02 90 50 00-0038 SF Ceramic Tile Wall, Light Clean.....	0.24	
For Medium Clean, Add	0.10	
For Heavy Clean, Add	0.31	
02 90 50 00-0039 SF Wall, Light Clean.....	0.17	
For Medium Clean, Add	0.07	
For Heavy Clean, Add	0.22	
02 90 50 00-0040 SF Masonry Wall, Light Clean.....	0.24	
For Medium Clean, Add	0.10	
For Heavy Clean, Add	0.31	
02 90 50 00-0041 EA Up To 24 SF Area Rug, Off-Site Cleaning, Light Clean.....	60.62	
Note: Includes removal from site, cleaning, and return.		
For Medium Clean, Add	25.46	
For Heavy Clean, Add	78.81	
02 90 50 00-0042 EA >24 To 96 SF Area Rug, Off-Site Cleaning, Light Clean.....	75.76	
Note: Includes removal from site, cleaning, and return.		
For Medium Clean, Add	31.82	
For Heavy Clean, Add	98.49	
02 90 50 00-0043 EA >96 To 140 SF Area Rug, Off-Site Cleaning, Light Clean.....	90.92	
Note: Includes removal from site, cleaning, and return.		
For Medium Clean, Add	38.19	
For Heavy Clean, Add	118.20	
02 90 50 00-0044 EA >140 To 216 SF Area Rug, Off-Site Cleaning, Light Clean.....	106.07	
For Medium Clean, Add	44.55	
For Heavy Clean, Add	137.89	

02 90 50 00-0045 Clean Window Treatments (02 90 50 00-0008)



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 90 50 00-0046 SF Window Blind, Light Clean	0.66	
<i>For Medium Clean, Add</i>	0.28	
<i>For Heavy Clean, Add</i>	0.86	
02 90 50 00-0047 EA Up To 6' Long Drapery (Per Pleat), Light Clean	1.34	
<i>For Medium Clean, Add</i>	0.56	
<i>For Heavy Clean, Add</i>	1.74	
02 90 50 00-0048 EA Up To 6' Long Lined Drapery (Per Pleat), Light Clean	1.55	
<i>For Medium Clean, Add</i>	0.65	
<i>For Heavy Clean, Add</i>	2.02	
02 90 50 00-0049 EA >6' To 8' Drapery (Per Pleat), Light Clean	1.42	
<i>For Medium Clean, Add</i>	0.60	
<i>For Heavy Clean, Add</i>	1.85	
02 90 50 00-0050 EA >6' To 8' Lined Drapery (Per Pleat), Light Clean	1.63	
<i>For Medium Clean, Add</i>	0.68	
<i>For Heavy Clean, Add</i>	2.12	
02 90 50 00-0051 EA >8' To 10' Drapery (Per Pleat), Light Clean	1.73	
<i>For Medium Clean, Add</i>	0.73	
<i>For Heavy Clean, Add</i>	2.25	
02 90 50 00-0052 EA >8' To 10' Lined Drapery (Per Pleat), Light Clean	1.99	
<i>For Medium Clean, Add</i>	0.84	
<i>For Heavy Clean, Add</i>	2.59	
02 90 50 00-0053 Clean Appliances <small>(02 90 50 00-0008)</small>		
02 90 50 00-0054 EA Microwave Oven, Outside, Light Clean	11.91	
<i>For Medium Clean, Add</i>	5.00	
<i>For Heavy Clean, Add</i>	15.48	
02 90 50 00-0055 EA Refrigerator, Outside, Light Clean	28.06	
<i>For Medium Clean, Add</i>	11.79	
<i>For Heavy Clean, Add</i>	36.48	
02 90 50 00-0056 EA Range, Outside, Light Clean	24.25	
<i>For Medium Clean, Add</i>	10.19	
<i>For Heavy Clean, Add</i>	31.53	
02 90 50 00-0057 Clean Plumbing <small>(02 90 50 00-0008)</small>		
02 90 50 00-0058 EA Water Heater, Light Clean	17.24	
<i>For Medium Clean, Add</i>	7.24	
<i>For Heavy Clean, Add</i>	22.41	
02 90 50 00-0059 EA Plumbing Fixture, Light Clean	17.41	
<i>For Medium Clean, Add</i>	7.31	
<i>For Heavy Clean, Add</i>	22.63	
02 90 50 00-0060 EA Restroom Accessory, Light Clean	7.99	
<i>For Medium Clean, Add</i>	3.36	
<i>For Heavy Clean, Add</i>	10.39	
02 90 50 00-0061 Clean HVAC <small>(02 90 50 00-0008)</small>		
02 90 50 00-0062 LF Baseboard Heater, Light Clean	5.15	
<i>For Medium Clean, Add</i>	2.16	
<i>For Heavy Clean, Add</i>	6.70	
02 90 50 00-0063 LF Ductwork, Exterior Wipe, Light Clean	14.37	
<i>For Medium Clean, Add</i>	6.04	
<i>For Heavy Clean, Add</i>	18.68	
02 90 50 00-0064 EA Ductwork, Interior (Per Grille/Register), Light Clean	55.18	
<i>For Medium Clean, Add</i>	23.18	
<i>For Heavy Clean, Add</i>	71.73	
02 90 50 00-0065 EA Grille/Register, Light Clean	5.17	
<i>For Medium Clean, Add</i>	2.17	
<i>For Heavy Clean, Add</i>	6.72	
02 90 50 00-0066 EA Air Handling Unit, Exterior Wipe, Light Clean	35.83	
<i>For Medium Clean, Add</i>	15.05	
<i>For Heavy Clean, Add</i>	46.58	
02 90 50 00-0067 EA Furnace, Exterior Wipe, Light Clean	31.90	
<i>For Medium Clean, Add</i>	13.40	
<i>For Heavy Clean, Add</i>	41.47	
02 90 50 00-0068 Clean Electrical <small>(02 90 50 00-0008)</small>		
02 90 50 00-0069 EA Electric Fan, Light Clean	21.27	
<i>For Medium Clean, Add</i>	8.93	
<i>For Heavy Clean, Add</i>	27.65	
02 90 50 00-0070 EA Ceiling Fan, Light Clean	22.99	
<i>For Medium Clean, Add</i>	9.66	
<i>For Heavy Clean, Add</i>	29.89	
02 90 50 00-0071 EA Ceiling Fan And Light, Light Clean	29.89	
<i>For Medium Clean, Add</i>	12.55	
<i>For Heavy Clean, Add</i>	38.86	
02 90 50 00-0072 EA Ceiling Exhaust Fan, Light Clean	20.98	
<i>For Medium Clean, Add</i>	8.81	
<i>For Heavy Clean, Add</i>	27.27	
02 90 50 00-0073 EA 2' x 4' Light Fixture, Light Clean	13.79	
<i>For Medium Clean, Add</i>	5.79	
<i>For Heavy Clean, Add</i>	17.93	

02 Existing Conditions**02 90 Disaster Recovery****02 90 50 Cleaning And Emergency Clean-up**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 90 50 00-0074 EA Light Fixture, Light Clean..... <i>For Medium Clean, Add</i> <i>For Heavy Clean, Add</i>	6.32 2.65 8.22	
02 90 50 00-0075 EA Smoke Detector, Light Clean..... <i>For Medium Clean, Add</i> <i>For Heavy Clean, Add</i>	4.89 2.05 6.36	
02 90 50 00-0076 EA Thermostat, Light Clean..... <i>For Medium Clean, Add</i> <i>For Heavy Clean, Add</i>	1.72 0.72 2.24	
02 90 50 00-0077 Thermal Fog (02 90 50 00-0008)		
02 90 50 00-0078 CF Clean And Deodorize Building With Thermal Fog.....		0.02
02 90 50 00-0079 Contents Manipulation (02 90 50)		
02 90 50 00-0080 SF Cover Contents With Plastic.....	0.19	
02 90 50 00-0081 SF Floor Protection - Adhesive Film.....	0.24	
02 90 50 00-0082 SF Move Contents Out And Later Reset.....	0.46	
02 90 50 00-0083 MO 20' Long Job Site Storage Trailer.....	109.38	
02 90 50 00-0084 MO 40' Long Job Site Storage Trailer.....	145.06	
02 90 50 00-0085 EA Delivery Or Pickup Job Site Storage Trailer.....	133.69	
02 90 50 00-0086 Water Emergency Clean-up (02 90 50)		
02 90 50 00-0087 LF Detach Baseboard.....	0.62	
02 90 50 00-0088 LF Detach And Later Reset Baseboard.....	1.09	
02 90 50 00-0089 EA Block And Pad Furniture (Per Piece Of Furniture).....	4.01	
02 90 50 00-0090 SF Water Extraction From Floor.....	0.41	
02 90 50 00-0091 SF Gray Water Extraction From Floor.....	0.68	
02 90 50 00-0092 SF Black Water Extraction From Floor.....	1.06	
02 90 50 00-0093 SF Tear Out Wet Non Salvageable Carpet.....	0.34	
02 90 50 00-0094 SF Tear Out Wet Non Salvageable Carpet, Black Water.....	0.40	
02 90 50 00-0095 SF Tear Out Wet Non Salvageable Glue Down Carpet.....	0.59	
02 90 50 00-0096 SF Tear Out Wet Non Salvageable Glue Down Carpet, Black Water.....	0.87	
02 90 50 00-0097 SF Tear Out Vinyl Flooring.....	0.82	
02 90 50 00-0098 SF Tear Out Vinyl Flooring, Black Water.....	1.20	
02 90 50 00-0099 SF Tear Out Wood Flooring, Black Water.....	3.11	
02 90 50 00-0100 SF Tear Out Laminated Wood Flooring.....	1.53	
02 90 50 00-0101 SF Tear Out Laminated Wood Flooring, Black Water.....	2.24	
02 90 50 00-0102 SF Tear Out Wet Ceiling Tile.....	0.25	
02 90 50 00-0103 SF Tear Out Batt Insulation.....	0.25	
02 90 50 00-0104 SF Tear Out Wet Gypsum Board.....	0.33	
02 90 50 00-0105 SF Apply Antimicrobial Agent.....	0.19	
02 90 50 00-0106 SF HEPA Vacuuming.....	0.33	
02 90 50 00-0107 Emergency Clean-up Labor (02 90 50)		
Note: Used in the performance of time and material projects. Not to be used in conjunction with tasks in the Cleaning, Contents Manipulation, and Water Emergency Clean-up sections.		
02 90 50 00-0108 HR Cleaning And Emergency Clean Up - General Laborer (Unskilled).....	24.30	
02 90 50 00-0109 HR Cleaning And Emergency Clean Up - General Laborer (Skilled).....	32.40	
02 90 50 00-0110 HR Cleaning And Emergency Clean Up - Skilled Tradesman.....	59.40	
02 90 50 00-0111 HR Cleaning And Emergency Clean Up - Restoration Laborer.....	37.80	
02 90 50 00-0112 HR Cleaning And Emergency Clean Up - Restoration Technician.....	48.60	
02 90 50 00-0113 HR Cleaning And Emergency Clean Up - Restoration Supervisor.....	70.20	
02 90 50 00-0114 HR Cleaning And Emergency Clean Up - Restoration Project Manager.....	97.20	
02 90 50 00-0115 HR Cleaning And Emergency Clean Up - Assistant Project Manager.....	81.00	
02 90 50 00-0116 HR Cleaning And Emergency Clean Up - Project Manager.....	102.60	
02 90 50 00-0117 HR Cleaning And Emergency Clean Up - Project Director.....	156.60	
02 90 50 00-0118 HR Cleaning And Emergency Clean Up - Resource Coordinator.....	48.60	
02 90 50 00-0119 HR Cleaning And Emergency Clean Up - Project Accountant.....	81.00	
02 90 50 00-0120 HR Cleaning And Emergency Clean Up - Corrosion Technician.....	70.20	
02 90 50 00-0121 HR Cleaning And Emergency Clean Up - Sr. Corrosion Technician.....	81.00	
02 90 50 00-0122 HR Cleaning And Emergency Clean Up - Certified Mold Technician.....	71.28	
02 90 50 00-0123 HR Cleaning And Emergency Clean Up - Certified Mold Supervisor.....	81.00	
02 90 50 00-0124 HR Cleaning And Emergency Clean Up - Clerical.....	37.80	
02 90 50 00-0125 HR Cleaning And Emergency Clean Up - Biohazard Technician.....	81.00	
02 90 50 00-0126 HR Cleaning And Emergency Clean Up - Biohazard Supervisor.....	97.20	
02 90 50 00-0127 HR Cleaning And Emergency Clean Up - Health And Safety Officer.....	75.60	
02 90 50 00-0128 HR Cleaning And Emergency Clean Up - Resource And Logistics Coordinator.....	54.00	
02 90 50 00-0129 HR Cleaning And Emergency Clean Up - Restoration Consultant.....	156.60	
02 90 50 00-0130 Emergency Clean-up Equipment (02 90 50)		
Note: Used in the performance of time and material projects. Used in the performance of time and material projects. Not used in conjunction with tasks in the Cleaning, Contents Manipulation, and Water Emergency Clean-up sections.		
02 90 50 00-0131 General Emergency Clean-up Equipment (02 90 50 00-0130)		
02 90 50 00-0132 DAY Air Compressor.....	52.81	
02 90 50 00-0133 DAY Buffer - Floor.....	35.21	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 90 50 00-0134 DAY Carpet Cleaning Machine - Portable.....	88.02	
02 90 50 00-0135 DAY Chain Saw	41.08	
02 90 50 00-0136 EA Cleaning Kit With Mop, Broom And Bucket.....	52.81	
02 90 50 00-0137 DAY Cut Off Saw	84.08	
02 90 50 00-0138 DAY Dry Cleaning Unit - Portable.....	99.76	
02 90 50 00-0139 DAY Extension Cords - 220 Volt.....	29.34	
02 90 50 00-0140 DAY Extension Cords - 220 Volt Converter Box	17.60	
02 90 50 00-0141 DAY Demolition Cart, 7 Yard	52.81	
02 90 50 00-0142 EA Demolition Kit With Wheel Barrow, Shovel And Broom	88.02	
02 90 50 00-0143 DAY Dry-Ice Blasting System	410.76	
02 90 50 00-0144 DAY Fogger - Mist.....	29.34	
02 90 50 00-0145 DAY Fogger - Electric Thermal	42.25	
02 90 50 00-0146 DAY Fogger - Gas Power Thermal	105.62	
02 90 50 00-0147 JOB Gang Box, Demo/Framing (One Time Per Job).....	76.28	
02 90 50 00-0148 DAY Hand Trucks/Dollies.....	14.08	
02 90 50 00-0149 DAY Heat Gun - Shrinkwrap	46.94	
02 90 50 00-0150 DAY HEPA Negative Air Machine	146.70	
Note: Includes all filters.		
02 90 50 00-0151 DAY Ladder	19.95	
02 90 50 00-0152 DAY Lights - Demo, Drop, Stand, String	21.12	
02 90 50 00-0153 DAY Lights - Wobble.....	25.82	
02 90 50 00-0154 DAY Moisture Meter.....	29.34	
02 90 50 00-0155 DAY Nail Gun.....	52.81	
02 90 50 00-0156 DAY Ozone Generator	146.70	
02 90 50 00-0157 DAY PPE (Personal Protective Equipment) Mold Remediation Related	70.42	
02 90 50 00-0158 DAY Portable Generator, Up To 7,500 Watts	117.36	
02 90 50 00-0159 DAY Pressure Washer, Hot	176.04	
02 90 50 00-0160 DAY Pressure Washer, Cold.....	117.36	
02 90 50 00-0161 DAY Scaffolding - Per Section.....	76.28	
02 90 50 00-0162 DAY Small Tools - Tool Box.....	29.34	
02 90 50 00-0163 DAY Soda Blasting Equipment	264.06	
02 90 50 00-0164 DAY Sprayer - Hudson.....	9.39	
02 90 50 00-0165 DAY Sprayer - Industrial Airless.....	157.66	
02 90 50 00-0166 DAY Storage Space (Per SF Per Day).....	0.96	
02 90 50 00-0167 DAY Submersible Pump	29.34	
02 90 50 00-0168 DAY Trash Pump - 2" Gas Powered	146.70	
02 90 50 00-0169 DAY Vehicle, Pick-up, SUV, Car.....	88.02	
02 90 50 00-0170 DAY Vehicle, Van.....	146.70	
02 90 50 00-0171 DAY Vehicle, 16' Or 24' Box Truck (Inclusive Of Mileage)	234.72	
02 90 50 00-0172 DAY Trailer - Refrigerated 40' Storage	146.70	
02 90 50 00-0173 DAY Trailer - Utility (Inclusive Of Mileage).....	117.36	
02 90 50 00-0174 DAY Truck Mount, Per Wand Extraction	228.85	
02 90 50 00-0175 DAY Vacuum - Backpack.....	29.34	
02 90 50 00-0176 DAY Vacuum - Shop Vacuum.....	29.34	
02 90 50 00-0177 DAY Vacuum - Commercial	88.02	
02 90 50 00-0178 DAY Vacuum - HEPA Industrial	99.76	
02 90 50 00-0179 DAY Vacuum - Upright.....	17.60	
02 90 50 00-0180 DAY Zip Walls (Per 2 Poles)	29.34	
02 90 50 00-0181 DAY 2 Way Radio	23.47	
02 90 50 00-0182	Technical/Electronics Restoration Equipment	<i>(02 90 50 00-0130)</i>
02 90 50 00-0183 DAY Computer - Diagnostic.....	29.34	
02 90 50 00-0184 WK Computer - Diagnostic.....	80.68	
02 90 50 00-0185 MO Computer - Diagnostic.....	220.05	
02 90 50 00-0186 DAY Convection Oven - Large.....	193.64	
02 90 50 00-0187 WK Convection Oven - Large.....	532.52	
02 90 50 00-0188 MO Convection Oven - Large.....	1,452.33	
02 90 50 00-0189 DAY Convection Oven - Small	105.62	
02 90 50 00-0190 WK Convection Oven - Small.....	290.47	
02 90 50 00-0191 MO Convection Oven - Small	792.18	
02 90 50 00-0192 DAY Convection Oven - Vacuum.....	140.83	
02 90 50 00-0193 WK Convection Oven - Vacuum.....	387.29	
02 90 50 00-0194 MO Convection Oven - Vacuum.....	1,056.24	
02 90 50 00-0195 DAY Decontamination Booth	193.64	
02 90 50 00-0196 WK Decontamination Booth	532.52	
02 90 50 00-0197 MO Decontamination Booth	1,452.33	
02 90 50 00-0198 DAY DI Water System.....	52.81	
02 90 50 00-0199 WK DI Water System.....	145.23	
02 90 50 00-0200 MO DI Water System.....	396.09	
02 90 50 00-0201 DAY ESD Bench Workstation	23.47	
02 90 50 00-0202 WK ESD Bench Workstation	64.55	
02 90 50 00-0203 MO ESD Bench Workstation	176.04	
02 90 50 00-0204 DAY Heater/Enclosure Control System.....	17.60	
02 90 50 00-0205 WK Heater/Enclosure Control System.....	48.41	
02 90 50 00-0206 MO Heater/Enclosure Control System.....	132.03	
02 90 50 00-0207 DAY Hi-Tech Mobile Cart/Workstation	293.40	
02 90 50 00-0208 WK Hi-Tech Mobile Cart/Workstation	806.85	
02 90 50 00-0209 MO Hi-Tech Mobile Cart/Workstation	2,200.50	
02 90 50 00-0210 DAY Micro-Blaster/Dust Collector	264.06	
02 90 50 00-0211 WK Micro-Blaster/Dust Collector	726.16	

02 Existing Conditions**02 90 Disaster Recovery****02 90 50 Cleaning And Emergency Clean-up**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

02 90 50 00-0212	MO	Micro-Blaster/Dust Collector	1,980.45	
02 90 50 00-0213	DAY	Mobile Laboratory	733.50	
02 90 50 00-0214	WK	Mobile Laboratory	2,017.12	
02 90 50 00-0215	MO	Mobile Laboratory	5,501.25	
02 90 50 00-0216	DAY	Nitrogen Enclosure Cabinet	14.08	
02 90 50 00-0217	WK	Nitrogen Enclosure Cabinet	38.73	
02 90 50 00-0218	MO	Nitrogen Enclosure Cabinet	105.62	
02 90 50 00-0219	DAY	Odell Cleaning Station	410.76	
02 90 50 00-0220	WK	Odell Cleaning Station	1,129.59	
02 90 50 00-0221	MO	Odell Cleaning Station	3,080.70	
02 90 50 00-0222	DAY	Parts Washer	29.34	
02 90 50 00-0223	WK	Parts Washer	80.68	
02 90 50 00-0224	MO	Parts Washer	220.05	
02 90 50 00-0225	DAY	Ultrasonic Cleaning System	88.02	
02 90 50 00-0226	WK	Ultrasonic Cleaning System	242.06	
02 90 50 00-0227	MO	Ultrasonic Cleaning System	660.15	
02 90 50 00-0228	DAY	Vacuum - HEPA Technical	23.47	
02 90 50 00-0229	WK	Vacuum - HEPA Technical	64.55	
02 90 50 00-0230	MO	Vacuum - HEPA Technical	176.04	

02 90 50 00-0231 Drying/Dehumidification Equipment (02 90 50 00-0130)

02 90 50 00-0232	DAY	Water Extraction Unit With Dual 3-Stage Vacuums, 202 CFM	146.70	
		Note: Includes 25' high Pressure solution hose and 25' Vacuum hose.		
02 90 50 00-0233	WK	Water Extraction Unit With Dual 3-Stage Vacuums, 202 CFM	403.42	
		Note: Includes 25' high Pressure solution hose and 25' Vacuum hose.		
02 90 50 00-0234	MO	Water Extraction Unit With Dual 3-Stage Vacuums, 202 CFM	1,100.25	
		Note: Includes 25' high Pressure solution hose and 25' Vacuum hose.		
02 90 50 00-0235	DAY	2,200 CFM Centrifugal Air Mover.....	29.34	
02 90 50 00-0236	WK	2,200 CFM Centrifugal Air Mover.....	80.68	
02 90 50 00-0237	MO	2,200 CFM Centrifugal Air Mover.....	220.05	
02 90 50 00-0238	DAY	3,000 CFM Axial Air Mover	76.28	
02 90 50 00-0239	WK	3,000 CFM Axial Air Mover	209.78	
02 90 50 00-0240	MO	3,000 CFM Axial Air Mover	572.13	
02 90 50 00-0241	DAY	Injectidry System.....	181.91	
02 90 50 00-0242	WK	Injectidry System.....	500.25	
02 90 50 00-0243	MO	Injectidry System.....	1,364.31	
02 90 50 00-0244	DAY	1200 Drizair Refrigerant Dehumidifier	123.23	
02 90 50 00-0245	WK	1200 Drizair Refrigerant Dehumidifier	338.88	
02 90 50 00-0246	MO	1200 Drizair Refrigerant Dehumidifier	924.21	
02 90 50 00-0247	DAY	2000 Drizair Refrigerant Dehumidifier	146.70	
02 90 50 00-0248	WK	2000 Drizair Refrigerant Dehumidifier	403.42	
02 90 50 00-0249	MO	2000 Drizair Refrigerant Dehumidifier	1,100.25	
02 90 50 00-0250	DAY	2400 Drizair Refrigerant Dehumidifier	170.17	
02 90 50 00-0251	WK	2400 Drizair Refrigerant Dehumidifier	467.97	
02 90 50 00-0252	MO	2400 Drizair Refrigerant Dehumidifier	1,276.29	
02 90 50 00-0253	DAY	Phoenix 200 Refrigerant Dehumidifier	170.17	
02 90 50 00-0254	WK	Phoenix 200 Refrigerant Dehumidifier	467.97	
02 90 50 00-0255	MO	Phoenix 200 Refrigerant Dehumidifier	1,276.29	
02 90 50 00-0256	DAY	Phoenix 300 Refrigerant Dehumidifier	181.91	
02 90 50 00-0257	WK	Phoenix 300 Refrigerant Dehumidifier	500.25	
02 90 50 00-0258	MO	Phoenix 300 Refrigerant Dehumidifier	1,364.31	
02 90 50 00-0259	DAY	D-500 Desiccant Dehumidifier	410.76	
02 90 50 00-0260	WK	D-500 Desiccant Dehumidifier	1,129.59	
02 90 50 00-0261	MO	D-500 Desiccant Dehumidifier	3,080.70	
02 90 50 00-0262	DAY	D-750 Desiccant Dehumidifier	704.16	
02 90 50 00-0263	WK	D-750 Desiccant Dehumidifier	1,936.44	
02 90 50 00-0264	MO	D-750 Desiccant Dehumidifier	5,281.20	
02 90 50 00-0265	DAY	D-1000 Desiccant Dehumidifier	792.18	
02 90 50 00-0266	WK	D-1000 Desiccant Dehumidifier	2,178.50	
02 90 50 00-0267	MO	D-1000 Desiccant Dehumidifier	5,941.35	
02 90 50 00-0268	DAY	D-1500 Desiccant Dehumidifier	880.20	
02 90 50 00-0269	WK	D-1500 Desiccant Dehumidifier	2,420.55	
02 90 50 00-0270	MO	D-1500 Desiccant Dehumidifier	6,601.50	
02 90 50 00-0271	DAY	D-2000 Desiccant Dehumidifier	938.88	
02 90 50 00-0272	WK	D-2000 Desiccant Dehumidifier	2,581.92	
02 90 50 00-0273	MO	D-2000 Desiccant Dehumidifier	7,041.60	
02 90 50 00-0274	DAY	D-2250 Desiccant Dehumidifier	997.56	
02 90 50 00-0275	WK	D-2250 Desiccant Dehumidifier	2,743.29	
02 90 50 00-0276	MO	D-2250 Desiccant Dehumidifier	7,481.70	
02 90 50 00-0277	DAY	D-3000 Desiccant Dehumidifier	1,132.52	
02 90 50 00-0278	WK	D-3000 Desiccant Dehumidifier	3,114.44	
02 90 50 00-0279	MO	D-3000 Desiccant Dehumidifier	8,493.93	
02 90 50 00-0280	DAY	D-4500 Desiccant Dehumidifier	1,408.32	
02 90 50 00-0281	WK	D-4500 Desiccant Dehumidifier	3,872.88	
02 90 50 00-0282	MO	D-4500 Desiccant Dehumidifier	10,562.40	
02 90 50 00-0283	DAY	D-5000 Desiccant Dehumidifier	1,584.36	
02 90 50 00-0284	WK	D-5000 Desiccant Dehumidifier	4,356.99	
02 90 50 00-0285	MO	D-5000 Desiccant Dehumidifier	11,882.70	
02 90 50 00-0286	DAY	D-9000 Desiccant Dehumidifier	2,171.16	
02 90 50 00-0287	WK	D-9000 Desiccant Dehumidifier	5,970.69	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 90 50 00-0288 MO D-9000 Desiccant Dehumidifier	16,283.70	
02 90 50 00-0289 DAY D-10500 Desiccant Dehumidifier	2,581.92	
02 90 50 00-0290 WK D-10500 Desiccant Dehumidifier	7,100.28	
02 90 50 00-0291 MO D-10500 Desiccant Dehumidifier	19,364.40	
02 90 50 00-0292 DAY DX Unit - Heating / Air Conditioning (3.5 Ton)	410.76	
02 90 50 00-0293 WK DX Unit - Heating / Air Conditioning (3.5 Ton)	1,129.59	
02 90 50 00-0294 MO DX Unit - Heating / Air Conditioning (3.5 Ton)	3,080.70	
02 90 50 00-0295 DAY DX Unit - Heating / Air Conditioning (5 Ton)	580.93	
02 90 50 00-0296 WK DX Unit - Heating / Air Conditioning (5 Ton)	1,597.56	
02 90 50 00-0297 MO DX Unit - Heating / Air Conditioning (5 Ton)	4,356.99	
02 90 50 00-0298 DAY DX Unit - Heating / Air Conditioning (10 Ton)	704.16	
02 90 50 00-0299 WK DX Unit - Heating / Air Conditioning (10 Ton)	1,936.44	
02 90 50 00-0300 MO DX Unit - Heating / Air Conditioning (10 Ton)	5,281.20	
02 90 50 00-0301 DAY DX Unit - Heating / Air Conditioning (25 Ton)	880.20	
02 90 50 00-0302 WK DX Unit - Heating / Air Conditioning (25 Ton)	2,420.55	
02 90 50 00-0303 MO DX Unit - Heating / Air Conditioning (25 Ton)	6,601.50	
02 90 50 00-0304 DAY DX Unit - Heating / Air Conditioning (50 Ton)	1,144.26	
02 90 50 00-0305 WK DX Unit - Heating / Air Conditioning (50 Ton)	3,146.72	
02 90 50 00-0306 MO DX Unit - Heating / Air Conditioning (50 Ton)	8,581.95	
02 90 50 00-0307 DAY DX Unit - Heating / Air Conditioning (80 Ton)	1,584.36	
02 90 50 00-0308 WK DX Unit - Heating / Air Conditioning (80 Ton)	4,356.99	
02 90 50 00-0309 MO DX Unit - Heating / Air Conditioning (80 Ton)	11,882.70	
02 90 50 00-0310 DAY Flex Duct - 25'	23.47	
02 90 50 00-0311 WK Flex Duct - 25'	64.55	
02 90 50 00-0312 MO Flex Duct - 25'	176.04	
02 90 50 00-0313 DAY Hygro Thermograph	29.34	
02 90 50 00-0314 WK Hygro Thermograph	80.68	
02 90 50 00-0315 MO Hygro Thermograph	220.05	
02 90 50 00-0316 DAY Dehumidification Trailer With 1,500 CFM Desiccant Unit	5,134.50	
Note: Includes 400 KW generator, 1500 CFM desiccant DH, 25 Ton DX unit, 1000 gallon fuel tank, and limited electrical distribution.		
02 90 50 00-0317 WK Dehumidification Trailer With 1,500 CFM Desiccant Unit	14,119.88	
Note: Includes 400 KW generator, 1500 CFM desiccant DH, 25 Ton DX unit, 1000 gallon fuel tank, and limited electrical distribution.		
02 90 50 00-0318 MO Dehumidification Trailer With 1,500 CFM Desiccant Unit	38,508.75	
Note: Includes 400 KW generator, 1500 CFM desiccant DH, 25 Ton DX unit, 1000 gallon fuel tank, and limited electrical distribution.		
02 90 50 00-0319	Power Equipment (02 90 50 00-0130)	
02 90 50 00-0320 WK Generator, Up to 65 KVA	3,051.36	
02 90 50 00-0321 WK Generator, Up to 125 KVA	3,403.44	
02 90 50 00-0322 WK Generator, Up to 250 KVA	4,459.68	
02 90 50 00-0323 WK Generator, Up to 375 KVA	5,398.56	
02 90 50 00-0324 WK Generator, Up to 440 KVA	6,806.88	
02 90 50 00-0325 WK Generator, Up to 625 KVA	8,684.64	
02 90 50 00-0326 WK Generator, Up to 800 KVA	14,787.36	
02 90 50 00-0327 WK Generator, Up to 1,000 KVA	19,247.04	
02 90 50 00-0328 WK Generator, Up to 1,500 KVA	23,941.44	
02 90 50 00-0329 EA Generator Cable/Pigtails (Per Section)	11.74	
02 90 50 00-0330 EA Sub-Distribution Panel (Spider Box)	76.28	
02 90 50 00-0331 EA Electrical Distribution Panel	234.72	
02 90 50 00-0332 EA Quad Box Strings (25' Sections)	29.34	
02 90 50 00-0333 EA 50' Power Cord For Spider Box	29.34	
02 90 50 00-0334 EA Pig Tails (Per Each)	2.93	
02 90 50 00-0335	Freight Charges (02 90 50 00-0130)	
02 90 50 00-0336 MI Freight Up To 1 Ton Pick Up Truck	1.47	
02 90 50 00-0337 MI Freight >1 Ton Pick Up Truck	2.64	
02 90 50 00-0338 MI Freight 16' Or 24' Box Truck	2.64	
02 90 50 00-0339 MI Freight Tractor Trailer	3.81	
02 90 50 00-0340	Emergency Clean-up Personal Protection Equipment (02 90 50)	
Note: Used in the performance of time and material projects. Used in the performance of time and material projects. Not used in conjunction with tasks in the Cleaning, Contents Manipulation, and Water Emergency Clean-up sections.		
02 90 50 00-0341 EA Tyvek Suit	8.80	
02 90 50 00-0342 EA Cartridge - Respirator	14.08	
02 90 50 00-0343 BOX Dust Mask	31.98	
02 90 50 00-0344 PR Gloves - Cotton	5.28	
02 90 50 00-0345 BOX Gloves - Latex	15.84	
02 90 50 00-0346 PR Gloves - Leather	8.80	
02 90 50 00-0347 EA Gloves - Rubber (Heavy Duty)	4.69	
02 90 50 00-0348 PR Polycarbonate Lens Safety Goggles	8.68	
02 90 50 00-0349 EA Respirator - With One Pair Cartridges	39.80	
02 90 50 00-0350 PR Safety Glasses	3.80	
02 90 50 00-0351 EA Safety Harness (Per Person/Day)	5.87	

02 Existing Conditions**02 90 Disaster Recovery****02 90 50 Cleaning And Emergency Clean-up**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

02 90 50 00-0352

Emergency Clean-up Expendables (02 90 50)

Note: Used in the performance of time and material projects. Used in the performance of time and material projects. Not used in conjunction with tasks in the Cleaning, Contents Manipulation, and Water Emergency Clean-up sections.

02 90 50 00-0353

General Materials (02 90 50 00-0352)

02 90 50 00-0354	GAL Adhesive Remover.....	88.02
02 90 50 00-0355	GAL Bio-HS	25.01
02 90 50 00-0356	GAL Biocide	31.91
02 90 50 00-0357	EA Box - Book	4.64
02 90 50 00-0358	EA Box - Large	7.63
02 90 50 00-0359	GAL Bleach	4.11
02 90 50 00-0360	EA Brush - Stainless - Small.....	5.61
02 90 50 00-0361	EA Buckets - 2 1/2 Gal.....	6.20
02 90 50 00-0362	EA Buckets - 5 Gallon.....	9.39
02 90 50 00-0363	GAL Carpet Defoamer	24.15
02 90 50 00-0364	GAL Carpet Pre-treat	23.20
02 90 50 00-0365	GAL Carpet Spotter.....	35.04
02 90 50 00-0366	GAL Carpet/Upholstery Cleaner	31.52
02 90 50 00-0367	ROL Carpet Masking/Shield.....	77.46
02 90 50 00-0368	EA Chem Sponge	3.46
02 90 50 00-0369	GAL Clear Seal	88.02
02 90 50 00-0370	GAL Coil Cleaner	28.17
02 90 50 00-0371	EA Comfort Masks, Per Box 50	34.80
02 90 50 00-0372	EA Coverall - Bio-Hazard.....	24.48
02 90 50 00-0373	EA Decon Chamber.....	240.59
02 90 50 00-0374	GAL Degreaser, All Purpose	32.86
02 90 50 00-0375	GAL De-Foamer Liquid	35.21
02 90 50 00-0376	EA Deodorization Membrane.....	84.10
02 90 50 00-0377	GAL Deodorizer, 9D9.....	90.66
02 90 50 00-0378	LB Deodorizing Gel	15.26
02 90 50 00-0379	GAL Deodorizing Liquid	44.60
02 90 50 00-0380	PAIL Deodorizing Block.....	52.81
02 90 50 00-0381	GAL Disinfectant/Antimicrobial.....	56.92
02 90 50 00-0382	GAL Disinfectant, BruClean	28.17
02 90 50 00-0383	GAL Dryclene.....	35.04
02 90 50 00-0384	GAL Duct Sealant Spray.....	52.81
02 90 50 00-0385	GAL Duct Sealant, Antifungal	76.28
02 90 50 00-0386	GAL Microbial Encapsulant (Fosters 20 - 40)	108.56
02 90 50 00-0387	PR Ear Plugs	0.47
02 90 50 00-0388	GAL Encapsulant.....	107.82
02 90 50 00-0389	GAL Fiberlocke - Aftershock	95.75
02 90 50 00-0390	GAL Fiberlocke - IAQ 2500	90.58
02 90 50 00-0391	GAL Fiberlocke - IAS 6000	93.16
02 90 50 00-0392	ROL Filter Material	76.28
02 90 50 00-0393	EA Filter, Blue Paper Collection Bag	5.81
02 90 50 00-0394	EA Filter, CVAC For HEPA Vacuum	264.35
02 90 50 00-0395	EA Filter, Pre-Filter For Negative Air Machine.....	4.52
02 90 50 00-0396	EA Filter, Pleated For Negative Air Machine	7.04
02 90 50 00-0397	EA Filter, Charcoal For Negative Air Machine	35.09
02 90 50 00-0398	EA Filter, HEPA For Negative Air Machine	223.57
02 90 50 00-0399	EA Filter, Pleated For Dehumidifiers	8.80
02 90 50 00-0400	GAL Floor Stripper	16.43
02 90 50 00-0401	GAL Floor Wax	23.47
02 90 50 00-0402	GAL Fogger (Thermal).....	92.71
02 90 50 00-0403	BOX Furniture Blocks	117.36
02 90 50 00-0404	EA Furniture Polish, Per Can.....	12.91
02 90 50 00-0405	GAL Glass Cleaner	19.95
02 90 50 00-0406	PR Chemical Splash/Impact Resistant, Polycarbonate Lens Safety Goggles	14.32
02 90 50 00-0407	EA Goof Off Spray, 12 Oz	8.22
02 90 50 00-0408	EA Halogen Light Bulbs.....	16.76
02 90 50 00-0409	QT Hand Sanitizer	8.29
02 90 50 00-0410	EA Hard Hats.....	6.82
02 90 50 00-0411	BOX Hog Rings, Box Of 2,500	17.02
02 90 50 00-0412	GAL HVAC Coal Cleaner.....	38.73
02 90 50 00-0413	BOX Inventory Tag, Box Of 1,000	105.62
02 90 50 00-0414	EA Knives - Utility	12.91
02 90 50 00-0415	ROL Lay Flat Tubing, 13" (250' Roll).....	64.78
02 90 50 00-0416	ROL Lay Flat Tubing, 20" (250' Roll).....	98.58
02 90 50 00-0417	ROL Lay Flat Tubing, 29" (250' Roll).....	167.82
02 90 50 00-0418	ROL Lay Flat Tubing, 39" (250' Roll).....	274.62
02 90 50 00-0419	GAL Lemon Oil	46.94
02 90 50 00-0420	GAL LPS 1/Mecca Lube.....	42.65
02 90 50 00-0421	GAL LPS 2	45.14
02 90 50 00-0422	GAL LPS Contact Cleaner	44.93
02 90 50 00-0423	GAL Lubricant, Preserver (Light)	38.73
02 90 50 00-0424	GAL Lubricant, Preserver (Heavy)	23.47
02 90 50 00-0425	GAL Machinery Cleaning Solvent	52.81
02 90 50 00-0426	GAL Metal Polishing Paste	11.74
02 90 50 00-0427	GAL Microban	47.44
02 90 50 00-0428	GAL Miigo	58.22



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 90 50 00-0429 EA Mop Heads	6.87	
02 90 50 00-0430 EA Nylon Scouring Pads	1.29	
02 90 50 00-0431 GAL Odor Neutralizer	52.28	
02 90 50 00-0432 EA Packing Paper, 25 LB Bundle.....	31.10	
02 90 50 00-0433 EA Paint Brushes	5.87	
02 90 50 00-0434 ROL Paper, Corrugated/Craft	103.28	
02 90 50 00-0435 EA Putty Knives.....	5.32	
02 90 50 00-0436 ROL Red Resin Paper, 200' Roll.....	31.69	
02 90 50 00-0437 GAL Reodorant.....	99.76	
02 90 50 00-0438 EA Respirator - N95	4.66	
02 90 50 00-0439 EA Respirator - N95 With valve.....	5.30	
02 90 50 00-0440 PR Respirator Cartridges - 3M.....	35.58	
02 90 50 00-0441 PR Respirator Cartridges -P100	35.58	
02 90 50 00-0442 EA Respirator Cleaning Wipes, Per Box 100	28.47	
02 90 50 00-0443 GAL Restoracide.....	46.79	
02 90 50 00-0444 GAL Rust Remover	82.15	
02 90 50 00-0445 EA Saltesmo Test Samples.....	7.63	
02 90 50 00-0446 EA Sand Bag, Excluding Sand	2.00	
02 90 50 00-0447 EA Scotch-Brite 7447, Per Box 50.....	38.11	
02 90 50 00-0448 EA Sm. Scrub Brushes.....	5.61	
02 90 50 00-0449 GAL Soot Sealant, Clear.....	45.77	
02 90 50 00-0450 GAL Soot Sealant, Pigmented.....	46.94	
02 90 50 00-0451 ROL Shrinkwrap Plastic	56.33	
02 90 50 00-0452 EA Sponges - Dry.....	2.49	
02 90 50 00-0453 EA Spray Adhesive, Per Can.....	5.28	
02 90 50 00-0454 EA Spray Bot./Trigger.....	4.53	
02 90 50 00-0455 GAL Stain Remover	28.17	
02 90 50 00-0456 GAL Stainless Steel Cleaner	43.42	
02 90 50 00-0457 EA Stainless Steel Polish, Per Can	15.26	
02 90 50 00-0458 LB Sweeping Compound	18.91	
02 90 50 00-0459 ROL Tape - Duct.....	7.92	
02 90 50 00-0460 ROL Tape - Environmental (Teal)	10.96	
02 90 50 00-0461 ROL Tape - HVAC (Aluminum)	25.82	
02 90 50 00-0462 ROL Tape - Blue Masking (Painters Tape)	11.01	
02 90 50 00-0463 ROL Tape - Poly Box	4.69	
02 90 50 00-0464 LB Terry Towels.....	6.04	
02 90 50 00-0465 GAL Thermal Fog	57.68	
02 90 50 00-0466 ROL Trash Bags - Lawn And Leaf	37.56	
02 90 50 00-0467 ROL Trash Bags - 6 Mil Heavy Duty (50 Count)	103.86	
02 90 50 00-0468 EA Trisodium Phosphate, 20 LB Pail.....	42.82	
02 90 50 00-0469 EA Vacuum Bags - Backpack.....	1.44	
02 90 50 00-0470 EA Vacuum Bags - Upright.....	1.92	
02 90 50 00-0471 GAL Vinyl And Leather Cleaner	93.89	
02 90 50 00-0472 ROL Visqueen 1 Mil	44.89	
02 90 50 00-0473 ROL Visqueen 4 Mil	92.13	
02 90 50 00-0474 ROL Visqueen 6 Mil	131.44	
02 90 50 00-0475 LB Wipes, Cotton Cloth.....	5.11	
02 90 50 00-0476 ROL 12" x 750', Wrap, Bubble / Anti-Static.....	73.94	
02 90 50 00-0477 EA Wyp-Alls, Case, 160 Wipes	38.73	
02 90 50 00-0478 EA Zip Wall Zippers.....	21.12	
02 90 50 00-0479	Technical/Electronics Restoration Materials	<small>(02 90 50 00-0352)</small>
02 90 50 00-0480 EA Brush - Brass.....	4.40	
02 90 50 00-0481 EA Brush - Natural Bristle 1"	1.41	
02 90 50 00-0482 EA Brush - Natural Bristle 1/2"	1.17	
02 90 50 00-0483 EA Brush - Natural Bristle 1/4"	1.00	
02 90 50 00-0484 EA Brush - Parts.....	6.10	
02 90 50 00-0485 EA Brush - Plastic.....	3.17	
02 90 50 00-0486 EA Brush - Wire Grout.....	5.87	
02 90 50 00-0487 EA Brushing Tool.....	14.67	
02 90 50 00-0488 EA Cleaning Swabs, Cotton	0.29	
02 90 50 00-0489 EA Cleaning Swabs, Foam Tip.....	0.35	
02 90 50 00-0490 EA Contact Restorer, Per Can.....	28.46	
02 90 50 00-0491 EA Contact Spray, Per Can.....	19.36	
02 90 50 00-0492 UNIT Corrosion Inhibitor Emitter - 1 CF	2.82	
02 90 50 00-0493 UNIT Corrosion Inhibitor Emitter - 5 CF	6.45	
02 90 50 00-0494 UNIT Corrosion Inhibitor Emitter - 10 CF	11.15	
02 90 50 00-0495 LB Cotton Cleaning Cloths.....	17.60	
02 90 50 00-0496 EA 12" x 17" Dust Cloths.....	0.26	
02 90 50 00-0497 EA 24" x 24" Dust Cloths.....	0.72	
02 90 50 00-0498 EA Deoxidizing Agent, Per Can	13.79	
02 90 50 00-0499 GAL Electronic Grade Detergent	21.12	
02 90 50 00-0500 SHT Inventory Labels	6.40	
02 90 50 00-0501 GAL Isopropyl Alcohol	29.34	
02 90 50 00-0502 EA Lubrication/Penetrating Oil, Per Can	6.45	
02 90 50 00-0503 GAL PC Board Detergent	80.39	
02 90 50 00-0504 GAL Rust Inhibitor, Regular Duty.....	31.69	
02 90 50 00-0505 GAL Rust Inhibitor - Moderate Duty	34.62	
02 90 50 00-0506 GAL Rust Inhibitor - Severe Duty.....	39.90	
02 90 50 00-0507 LB Wipes - Lint Free Cloths	8.22	

02 Existing Conditions**02 90 Disaster Recovery****02 90 50 Cleaning And Emergency Clean-up**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 90 50 00-0508 EA Wire Marker Card.....	2.05	
02 90 50 00-0509 EA Steel Wool, 16 Pad Sleeve.....	7.04	
02 90 50 00-0510 Board Up And Tarp Up (02 90 50)		
02 90 50 00-0511 SF Polyethylene Tarp On Roof.....	0.20	
02 90 50 00-0512 SF Temporary Plywood On Roof.....	1.32	
02 90 50 00-0513 SF Temporary Plywood On Wall Or Windows.....	1.67	
02 90 50 00-0514 Minimum Charges (02 90 50)		
02 90 50 00-0515 EA Minimum For Cleaning.....	99.76	
02 90 50 00-0516 EA Minimum For Water Extraction.....	117.36	
02 90 50 00-0517 EA Minimum For Carpet Cleaning.....	140.83	
02 90 50 00-0518 Document Restoration (02 90 50)		
02 90 50 00-0519 EA Book Rebinding, Each.....	72.73	
02 90 50 00-0520 EA Book Recasing, Each.....	36.36	
02 90 50 00-0521 EA Boxes-MCS, 1.2 CF.....	7.28	
02 90 50 00-0522 EA Boxes-MCS, 2.0 CF.....	9.42	
02 90 50 00-0523 EA Boxes Bankers.....	11.62	
02 90 50 00-0524 EA Boxes Standard Packout.....	4.34	
02 90 50 00-0525 EA Boxes X Ray.....	7.28	
02 90 50 00-0526 EA CD Scanning and Diagnostics, Each.....	7.28	
02 90 50 00-0527 EA Cleaning Antique Books, Each.....	218.17	
02 90 50 00-0528 EA Cleaning Catheter Roll, Per Roll.....	29.08	
02 90 50 00-0529 EA Cleaning CD And DVD, Per Disc.....	2.92	
02 90 50 00-0530 EA Cleaning Level 1 - Blue Prints, Each.....	2.92	
02 90 50 00-0531 CF Cleaning Level 1 - Document Per CF.....	90.20	
02 90 50 00-0532 EA Cleaning Level 1 - Linen, Each.....	2.92	
02 90 50 00-0533 EA Cleaning Level 1 - Mylar, Each.....	2.92	
02 90 50 00-0534 EA Cleaning Level 2 - Blue Print, Each.....	3.64	
02 90 50 00-0535 CF Cleaning Level 2 - Document Per CF.....	135.27	
02 90 50 00-0536 EA Cleaning Level 2 - Linen, Each.....	3.64	
02 90 50 00-0537 EA Cleaning Level 2 - Mylar, Each.....	3.64	
02 90 50 00-0538 EA Cleaning Level 3 - Blue Prints, Each.....	5.14	
02 90 50 00-0539 CF Cleaning Level 3 - Document Per CF.....	180.39	
02 90 50 00-0540 EA Cleaning Level 3 - Linen, Each.....	5.14	
02 90 50 00-0541 EA Cleaning Level 3 - Mylar, Each.....	5.14	
02 90 50 00-0542 EA Cleaning Level 4 - All Fire-Blue Print, Each.....	7.28	
02 90 50 00-0543 EA Cleaning Level 4 - All Fire-Linen, Each.....	7.28	
02 90 50 00-0544 EA Cleaning Level 4 - All Fire-Mylar, Each.....	7.28	
02 90 50 00-0545 CF Cleaning Level 4 - Light Fire-Documnt Per CF.....	225.45	
02 90 50 00-0546 EA Cleaning Level 5 - Severe Fire-Blue Print, Each.....	8.70	
02 90 50 00-0547 CF Cleaning Level 5 - Severe Fire-Documnt Per CF.....	450.91	
02 90 50 00-0548 EA Cleaning Level 5 - Severe Fire-Linen, Each.....	8.70	
02 90 50 00-0549 EA Cleaning Level 5 - Severe Fire-Mylar, Each.....	8.70	
02 90 50 00-0550 EA Cleaning Microfiche Sheets, Each.....	2.92	
02 90 50 00-0551 EA Cleaning Microfiche Strips, Each.....	0.74	
02 90 50 00-0552 EA Cleaning Microfilm Rolls (In House), Per Roll.....	72.73	
02 90 50 00-0553 EA Cleaning Microfilm Rolls (Outside), Per Roll.....	101.82	
02 90 50 00-0554 EA Cleaning Photographs Negatives, Per Negative.....	0.74	
02 90 50 00-0555 EA Cleaning Photographs, Each.....	2.92	
02 90 50 00-0556 EA Cleaning Record Albums, Each.....	2.92	
02 90 50 00-0557 EA Cleaning VHS And Beta Tapes-In House, Each.....	7.28	
02 90 50 00-0558 EA Cleaning VHS And Beta Tapes-Outside, Each.....	29.08	
02 90 50 00-0559 EA Cleaning X Ray 1-1000, Per Film.....	4.34	
02 90 50 00-0560 EA Cleaning X Ray 1K-5K, Per Film.....	3.64	
02 90 50 00-0561 EA Cleaning X Ray 5K-Up, Per Film.....	2.92	
02 90 50 00-0562 EA Copying Clean Water, Per Page.....	0.43	
02 90 50 00-0563 EA Copying Greywater Fire, Per Page.....	0.79	
02 90 50 00-0564 EA Deodorization, Vapor Tech, Per Cube.....	7.28	
02 90 50 00-0565 EA Disinfectant-Fogging, Per Cube.....	10.20	
02 90 50 00-0566 EA Document Disposal In House No Shredding.....	23.30	
02 90 50 00-0567 EA Document Disposal In House With Shredding.....	40.11	
02 90 50 00-0568 EA Drying-MCS Center 1-50 Cubes.....	130.90	
02 90 50 00-0569 EA Drying-MCS Center 151-500 Cubes.....	101.82	
02 90 50 00-0570 EA Drying-MCS Center 500 And Up.....	87.27	
02 90 50 00-0571 EA Drying-MCS Center 51-150 Cubes.....	116.36	
02 90 50 00-0572 EA Drying-Onsite 1-500 Cubes.....	218.17	
02 90 50 00-0573 EA Drying-Onsite 501- Up Cube.....	133.84	
02 90 50 00-0574 EA Drying Antique Books, Each.....	29.08	
02 90 50 00-0575 EA Drying Blue Prints, Each.....	3.64	
02 90 50 00-0576 EA DVD Scanning And Diagnostics, Each.....	7.28	
02 90 50 00-0577 EA Freeze Drying (In House).....	101.82	
02 90 50 00-0578 EA Freeze Drying (Outside).....	133.84	
02 90 50 00-0579 EA Irradiation - Gamma 0-48 Cubes (minimum charge).....	1,552.67	
02 90 50 00-0580 EA Irradiation - Gamma 49-Up Cube (per cube charge).....	32.34	
02 90 50 00-0581 EA Linen Prints.....	7.28	
02 90 50 00-0582 EA Minimal Drying Jobs.....	711.65	



Existing Conditions	02	02
Disaster Recovery	02 90	
Cleaning And Emergency Clean-up	02 90 50	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 90 50 00-0583 EA Monthly Storage.....	72.73	
02 90 50 00-0584 EA Mylar Prints.....	7.28	
02 90 50 00-0585 EA Ozoning, Per Cube	7.28	
02 90 50 00-0586 MO Stabilization Freezer Storage, Per Cube-Per Month	10.20	
02 90 50 00-0587 MO Stabilization Freezer Storage, Per Page-Per Month	0.07	
02 90 50 00-0588 EA Wood Pallets, Each	36.36	

END OF SECTION 02

02

02 Existing Conditions

02 90 Disaster Recovery

02 90 50 Cleaning And Emergency Clean-up



MINOR	TOTAL DIRECT	DEMOLITION
CSI UOM DESCRIPTION	UNIT COST	UNIT COST

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Concrete	03	03	
Maintenance Of Concrete			03 01
Maintenance Of Cast-In-Place Concrete			03 01 30

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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03 Concrete

03 01 Maintenance Of Concrete ⁽⁰³⁾

03 01 30 Maintenance Of Cast-In-Place Concrete ^(03 01)

03 01 30 51 **Cleaning Of Cast-In-Place Concrete** ^(03 01 30)

03 01 30 51-0001	Abrasive Blasting ^(03 01 30 51)	
	Note: Includes containment and clean-up of all material. Includes steel ball media.	
03 01 30 51-0002	SF Concrete Floors, Abrasive Shot Blasting	1.82
	For Up To 100, Add	2.26
	For >100 To 250, Add	0.57
	For >250 To 500, Add	0.28
	For >5,000 To 10,000, Deduct	-0.06
	For >10,000, Deduct	-0.11
03 01 30 51-0003	SF Concrete Walls, Abrasive Shot Blasting	2.96
	For Up To 100, Add	4.54
	For >100 To 250, Add	1.14
	For >250 To 500, Add	0.57
	For >5,000 To 10,000, Deduct	-0.11
	For >10,000, Deduct	-0.23

03 01 30 71 **Rehabilitation Of Cast-in-Place Concrete** ^(03 01 30)

03 01 30 71-0001	Concrete Resurfacing/Repair ^(03 01 30 71)	
	See CSI section 09 91 43 00-0002 for surface preparation as required.	
03 01 30 71-0002	Concrete Repair ^(03 01 30 71-0001)	
03 01 30 71-0003	Decks Or Floors ^(03 01 30 71-0002)	
	Note: Includes bonding agent and sealant. Excludes saw cutting, sand blasting and forming.	
03 01 30 71-0004	SF 1/8" To 1/4", Cementitious Mortar Patch, Decks And Floors.....	5.23
03 01 30 71-0005	SF 1/8" To 1/4", Epoxy Cementitious Mortar Patch, Decks And Floors.....	17.76
03 01 30 71-0006	SF White Aluminum Oxide Grit (Non Slip Aggregate) Patch, Decks And Floors.....	0.48
03 01 30 71-0007	Verticals Or Overheads ^(03 01 30 71-0002)	
	Note: Includes bonding agent and sealant. Excludes saw cutting, sand blasting and forming.	
03 01 30 71-0008	SF 1/8" To 1/4" Cementitious Mortar Patch, Verticals And Overheads	7.75
03 01 30 71-0009	SF 1/8" To 1/4" Epoxy Cementitious Mortar Patch, Verticals And Overheads	23.50
03 01 30 71-0010	SF 1/8" To 1/4" Latex Cementitious Mortar Patch, Verticals And Overheads	26.67
03 01 30 71-0011	SF 1/8" To 1/4" Elastomeric Compound Patch, Verticals And Overheads.....	5.62
03 01 30 71-0012	SF 1/8" To 1/4" Copolymer Cementitious Compound Patch, Verticals And Overheads.....	9.76
	Note: Rapid Set - Wunderfixx	
03 01 30 71-0013	Bridge Deck Treatment ^(03 01 30 71-0002)	
03 01 30 71-0014	SF Sweep Bridge Deck	0.01
03 01 30 71-0015	SF Clean Bridge Deck.....	0.02
03 01 30 71-0016	SF Treat Bridge Deck With Methacrylate Resin Sealant	1.31
03 01 30 71-0017	Concrete Finishes ^(03 01 30 71-0001)	
03 01 30 71-0018	Concrete Patching ^(03 01 30 71-0017)	
03 01 30 71-0019	Walls ^(03 01 30 71-0018)	
03 01 30 71-0020	BAG Sika Top 111 Plus.....	98.25
	Note: SikaTop 111 PLUS is a two-component, polymer-modified, portland-cement, fast-setting, screed mortar. Yield: Approximately 0.5 cu. ft./unit. Approximately 0.75 cu. ft./unit (SikaTop 111 + 42 lbs. of 3/8" pea gravel).	
	For Up To 10, Add	31.95
	For >10 To 25, Add	19.17
	For >25 To 50, Add	12.78
	For >50 To 75, Add	6.39
03 01 30 71-0021	BAG Sika Grout 212, 50 LB Bag	40.02
	Note: SikaGrout 212 is a non-shrink, cementitious grout with a unique 2-stage shrinkage compensating mechanism. It is non-metallic and contains no chloride. Coverage: Approximately 0.44 cu. ft./bag at high flow.	
	For Up To 10, Add	5.70
	For >10 To 25, Add	3.42
	For >25 To 50, Add	2.28
	For >50 To 75, Add	1.14
03 01 30 71-0022	EA Sika Flex 1A, 10.3 Ounce Tube	27.16
	Note: Sikaflex-1a is a premium-grade, high-performance, moisture-cured, 1-component, polyurethane-based, non-sag elastomeric sealant. Coverage: 10.3 fl. oz. cartridge seals 12.4 lineal ft. of 1/2 x 1/4 in. joint. 20 fl. oz. uni-pac sausage seals 24 lineal ft. of 1/2 x 1/4 in. joint.	
03 01 30 71-0023	BAG Pea Gravel.....	19.04

03 01 30 71-0024 **Crack Repair For Concrete** ^(03 01 30 71-0001)

03 Concrete**03 01 Maintenance Of Concrete****03 01 30 Maintenance Of Cast-In-Place Concrete**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
03 01 30 71-0025		Non Structural Crack Repair For Concrete (03 01 30 71-0024)			
03 01 30 71-0026		Surface Applied, Non Structural Crack Repair For Concrete (03 01 30 71-0025) Note: Includes removing all debris and contaminants accessible within the crack using hand tools, water blasting, compressed air or vacuuming. Includes installing sealer with caulk gun, cartridge gun, squeeze bottle, etc. Excludes backer rod and sanding.			
03 01 30 71-0027	LF	Up To 1/4" Wide, Latex Emulsion, Gravity Fed Non Structural Crack Repair For Concrete, Surface Applied With Squeeze Tube (Quikrete® Concrete Crack Seal).....	5.15		
		<i>For V-Grooving Crack With Grinder, Add</i>	4.16		
03 01 30 71-0028	LF	>1/4" To 1/2" Wide, Latex Emulsion, Gravity Fed Non Structural Crack Repair For Concrete, Surface Applied With Squeeze Tube (Quikrete® Concrete Crack Seal).....	6.70		
		<i>For V-Grooving Crack With Grinder, Add</i>	4.06		
03 01 30 71-0029	LF	Up To 1/4" Wide, Sanded Acrylic Latex, Gravity Fed Non Structural Crack Repair For Concrete, Surface Applied With Caulk Gun (Quikrete® Concrete Repair).....	5.22		
		<i>For V-Grooving Crack With Grinder, Add</i>	4.16		
03 01 30 71-0030	LF	>1/4" To 1/2" Wide, Sanded Acrylic Latex, Gravity Fed Non Structural Crack Repair For Concrete, Surface Applied With Caulk Gun (Quikrete® Concrete Repair).....	6.84		
		<i>For V-Grooving Crack With Grinder, Add</i>	4.06		
03 01 30 71-0031	LF	Up To 1/4" Wide, Self Leveling Polyurethane Sealant, Gravity Fed Non Structural Crack Repair For Concrete, Surface Applied With Cartridge Tool (Sikaflex® Self-Leveling Sealant).....	5.48		
		<i>For V-Grooving Crack With Grinder, Add</i>	4.16		
03 01 30 71-0032	LF	>1/4" To 1/2" Wide, Self Leveling Polyurethane Sealant, Gravity Fed Non Structural Crack Repair For Concrete, Surface Applied With Cartridge Tool (Sikaflex® Self-Leveling Sealant).....	7.35		
		<i>For V-Grooving Crack With Grinder, Add</i>	4.06		
03 01 30 71-0033	LF	Up To 1/4" Wide, Non-Sag Elastomeric Polyurethane Sealant, Gravity Fed Non Structural Crack Repair For Concrete, Surface Applied With Cartridge Tool (Sikaflex® Concrete Fix).....	5.66		
		<i>For V-Grooving Crack With Grinder, Add</i>	4.16		
03 01 30 71-0034	LF	>1/4" To 1/2" Wide, Non-Sag Elastomeric Polyurethane Sealant, Gravity Fed Non Structural Crack Repair For Concrete, Surface Applied With Cartridge Tool (Sikaflex® Concrete Fix).....	7.72		
		<i>For V-Grooving Crack With Grinder, Add</i>	4.06		
03 01 30 71-0035		Pressure Injected, Non Structural Crack Repair For Concrete (03 01 30 71-0025) Note: Includes removing all debris and contaminants accessible within the crack using hand tools, water blasting, compressed air or vacuuming. Includes installing injection ports, sealing the crack opening (one side only), injecting the crack with polyurethane and restoring the sealed surface to flush conditions. Excludes disposal.			
03 01 30 71-0036	LF	Up To 1/4" Wide, Water Activated Polyurethane Foam Grout, Non Structural Crack Repair For Concrete, Installed With Automated Injection Equipment (SealBoss 1570).....	20.29		
		<i>For Cracks Accessible From Both Sides, Add</i>	4.11		
03 01 30 71-0037		Structural Crack Repair For Concrete (03 01 30 71-0024)			
03 01 30 71-0038		Surface Applied, Structural Crack Repair For Concrete (03 01 30 71-0037) Note: Includes removing all debris and contaminants accessible within the crack using hand tools, water blasting, compressed air or vacuuming. Excludes disposal.			
03 01 30 71-0039	LF	Up To 1/4" Wide, Low Viscosity, High Strength Epoxy Resin, Gravity Fed Structural Crack Repair For Concrete, Surface Applied With Trowel (Sikadur® 35).....	5.71		
		<i>For V-Grooving Crack With Grinder, Add</i>	4.16		
03 01 30 71-0040	LF	>1/4" To 1/2" Wide, Low Viscosity, High Strength Epoxy Resin, Gravity Fed Structural Crack Repair For Concrete, Surface Applied With Trowel (Sikadur® 35).....	7.81		
		<i>For V-Grooving Crack With Grinder, Add</i>	4.06		
03 01 30 71-0041	LF	Up To 1/4" Wide, Moisture Tolerant, Low Viscosity, High Strength Epoxy Resin, Gravity Fed Structural Crack Repair For Concrete, Surface Applied Trowel (Sikadur® 52).....	5.70		
		<i>For V-Grooving Crack With Grinder, Add</i>	4.16		
03 01 30 71-0042	LF	>1/4" To 1/2" Wide, Moisture Tolerant, Low Viscosity, High Strength Epoxy Resin, Gravity Fed Structural Crack Repair For Concrete, Surface Applied With Trowel (Sikadur® 52).....	7.80		
		<i>For V-Grooving Crack With Grinder, Add</i>	4.06		
03 01 30 71-0043	LF	Up To 1/4" Wide, Low Viscosity, High Strength Epoxy Resin, Gravity Fed Structural Crack Repair For Concrete, Surface Applied With Caulk Gun (Sikadur® Crack Fix).....	6.43		
		<i>For V-Grooving Crack With Grinder, Add</i>	4.16		
03 01 30 71-0044	LF	>1/4" To 1/2" Wide, Low Viscosity, High Strength Epoxy Resin, Gravity Fed Structural Crack Repair For Concrete, Surface Applied With Caulk Gun (Sikadur® Crack Fix).....	9.27		
		<i>For V-Grooving Crack With Grinder, Add</i>	4.06		
03 01 30 71-0045		Pressure Injected, Structural Crack Repair For Concrete (03 01 30 71-0037) Note: Includes removing all debris and contaminants accessible within the crack using hand tools, water blasting, compressed air or vacuuming. Includes installing injection ports, sealing the crack opening (one side only), injecting the crack with epoxy and restoring the sealed surface to flush conditions. Excludes disposal.			
03 01 30 71-0046	LF	Up To 1/4" Wide, Low Viscosity, High Strength Epoxy Resin, Structural Crack Repair For Concrete, Installed With Automated Injection Equipment (Sikadur® 35).....	18.31		
		<i>For Cracks Accessible From Both Sides, Add</i>	4.11		
03 01 30 71-0047	LF	Up To 1/4" Wide, Moisture Tolerant, Low Viscosity, High Strength Epoxy Resin, Structural Crack Repair For Concrete, Installed With Automated Injection Equipment (Sikadur® 52).....	18.31		
		<i>For Cracks Accessible From Both Sides, Add</i>	4.11		
03 01 30 71-0048		Pool Deck Texture Repair (03 01 30 71-0001)			
03 01 30 71-0049	SF	Pool Deck Texture Repair.....	11.10		
		Note: Includes surface preparation, cleaning, repair of surface, crack repair, liquid underlayment coat, troweled top coat and finish.			



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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03 01 30 71-0050			Carbon Fiber Strengthening System <small>(03 01 30 71-0001)</small> Note: Includes preparing surface, dust and debris removal by hand, clean and protect adjacent area, fill voids, primer, fabric substrate layers, final coat of epoxy and finish. Excludes disposal.		
03 01 30 71-0051	SF		Carbon Fiber Strengthening System Beams, Per Layer	58.02	
03 01 30 71-0052	SF		Carbon Fiber Strengthening System Columns, Per Layer	50.73	
03 01 30 71-0053	SF		Carbon Fiber Strengthening System Slabs, Per Layer	44.36	
Note: Includes carbon fabric epoxy saturant, primer, filler for voids, anchors, finish.					
03 01 30 71-0054			Corrosive Inhibitor <small>(03 01 30 71)</small>		
03 01 30 71-0055	SF		Corrosive Inhibitor.....	3.01	

03 05 Common Work Results For Concrete (03)

03 05 00 00-0001			Concrete Admixtures <small>(03 05)</small>		
03 05 00 00-0002	CY		Low Range Water Reducing (LRWR), Type A Concrete Admixture	3.37	
03 05 00 00-0003	CY		Set Retarding, Type B Concrete Admixture	2.33	
03 05 00 00-0004	CY		1% Calcium Chloride Accelerating, Type C Concrete Admixture.....	3.63	
03 05 00 00-0005	CY		2% Calcium Chloride Accelerating, Type C Concrete Admixture.....	7.26	
03 05 00 00-0006	CY		1% Non-Chloride Accelerating, Type C Concrete Admixture.....	6.48	
03 05 00 00-0007	CY		2% Non-Chloride Accelerating, Type C Concrete Admixture.....	12.96	
03 05 00 00-0008	CY		Water Reducing and Retarding (Hydration Stabilizer), Type D Concrete Admixture	2.80	
03 05 00 00-0009	CY		1% Water Reducing and Accelerating (High Early Strength), Type E Concrete Admixture	3.89	
03 05 00 00-0010	CY		2% Water Reducing and Accelerating (High Early Strength), Type E Concrete Admixture	7.77	
03 05 00 00-0011	CY		Mid Range Water Reducing (MRWR) Superplasticizer, Type A Or E Concrete Admixture	5.21	
03 05 00 00-0012	CY		High Range Water Reducing (HRWR) Superplasticizer, Type F Concrete Admixture.....	6.22	
03 05 00 00-0013	CY		1-1/2 LB/CY Polyethylene, Polypropylene, Nylon, Synthetic Plastic Fibers, Concrete Admixture	8.29	
03 05 00 00-0014	CY		25 LB/CY Steel Fibers, Concrete Admixture.....	20.34	
03 05 00 00-0015	CY		10% Microsilica (Silica Fume), Concrete Admixture	83.42	
03 05 00 00-0016	CY		Corrosion Inhibiting Concrete Admixture	15.55	
03 05 00 00-0017	CY		Winter Service Or Heat, Concrete Add.....	3.63	
03 05 00 00-0018	CY		Chilled Water, Concrete Add	3.63	
03 05 00 00-0019	CY		Subtle Color (See Davis Colors Color Card), Concrete Admixture	20.99	
03 05 00 00-0020	CY		Standard Color (See Davis Colors Color Card), Concrete Admixture.....	34.99	
03 05 00 00-0021	CY		Premium Color (See Davis Colors Color Card), Concrete Admixture	67.17	
03 05 00 00-0022	CY		Ultra Premium Color (See Davis Colors Color Card), Concrete Admixture	93.29	

03 10 Concrete Forming And Accessories (03)

03 11 Concrete Forming (03 10)

03 11 13 Structural Cast-In-Place Concrete Forming (03 11)

Note: Per square foot of formwork.

03 11 13 00-0001			Wood Formwork <small>(03 11 13)</small> Note: For job built wood and/or plywood form systems where metal framed formwork cannot be used. Includes erecting, stripping, stacking, plywood, framing lumber, oiling, studs/walers, strongbacks, deadmen, supporting braces, turnbuckles, ties, and clips.		
03 11 13 00-0002			Foundation Wood Formwork <small>(03 11 13 00-0001)</small> Note: For foundation work below or at grade.		
03 11 13 00-0003	SF		Continuous Footings Foundation Wood Formwork.....	6.65	
			For <1,000, Add	1.24	
			For Foundations >8' Below Grade, Add	1.19	
			For Curved Formwork, Add	2.38	
03 11 13 00-0004	SF		Pile Cap, Pier Or Spread Footings Foundation Wood Formwork.....	7.89	
			For <1,000, Add	1.48	
			For Foundations >8' Below Grade, Add	1.43	
			For Curved Formwork, Add	2.86	
03 11 13 00-0005	SF		Mat Foundation Wood Formwork.....	9.07	
			For <1,000, Add	1.73	
			For Foundations >8' Below Grade, Add	1.68	
			For Curved Formwork, Add	3.37	
03 11 13 00-0006	SF		Grade Beams Or Duct Bank Foundation Wood Formwork	7.56	
			For <1,000, Add	1.43	
			For Foundations >8' Below Grade, Add	1.38	
			For Curved Formwork, Add	2.76	
03 11 13 00-0007	SF		Below Grade Walls Foundation Wood Formwork	10.76	
			Note: Excludes footing		
			For <1,000, Add	2.02	
			For Foundations >8' Below Grade, Add	1.96	
			For Curved Formwork, Add	3.91	
03 11 13 00-0008			Slab Edge And Block-Out Wood Formwork <small>(03 11 13 00-0001)</small>		
03 11 13 00-0009	LF		Up To 6" High Slab Edge and Block-Out Wood Formwork.....	5.10	
			For Foundations >8' Below Grade, Add	0.95	
			For Curved Formwork, Add	1.89	
			For Up To 250, Add	0.97	

03 Concrete**03 10 Concrete Forming And Accessories****03 11 Concrete Forming**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 11 13 00-0010 LF >6" To 12" High Slab Edge and Block-Out Wood Formwork .....7.33 <i>For Foundations >8' Below Grade, Add</i> 1.32 <i>For Curved Formwork, Add</i> 2.64 <i>For Up To 250, Add</i> 1.37		
03 11 13 00-0011 SF >12" High Slab Edge and Block-Out Wood Formwork .....9.38 <i>For Foundations >8' Below Grade, Add</i> 1.71 <i>For Curved Formwork, Add</i> 3.41 <i>For <1,000, Add</i> 1.76		
03 11 13 00-0012 Column Wood Formwork (03 11 13 00-0001)		
03 11 13 00-0013 LF Up To 8" Square Column Wood Formwork .....39.66		
03 11 13 00-0014 LF >8" To 12" Square Column Wood Formwork .....57.77		
03 11 13 00-0015 LF >12" To 18" Square Column Wood Formwork .....72.36		
03 11 13 00-0016 LF >18" To 24" Square Column Wood Formwork .....103.48		
03 11 13 00-0017 LF >24" To 36" Square Column Wood Formwork .....148.34		
03 11 13 00-0018 LF >36" To 48" Square Column Wood Formwork .....195.66		
03 11 13 00-0019 Above Grade Wall Wood Formwork (03 11 13 00-0001)		
03 11 13 00-0020 SF Up To 8' High Above Grade Wall Wood Formwork .....12.01 <i>For Curved Formwork, Add</i> 4.41 <i>For <1,000, Add</i> 2.27		
03 11 13 00-0021 SF >8' High Above Grade Wall Wood Formwork .....14.23 <i>For Curved Formwork, Add</i> 5.23 <i>For <1,000, Add</i> 2.69		
03 11 13 00-0022 Elevated Beam Wood Formwork (03 11 13 00-0001) Note: Includes adjustable shores and column supports and bracing lumber up to 14' for bottom of elevated beam.		
03 11 13 00-0023 SF Bottom of Elevated Beam Wood Formwork .....15.48 <i>For Curved Formwork, Add</i> 5.73 <i>For <1,000, Add</i> 2.94		
03 11 13 00-0024 SF Vertical Sides of Elevated Beam Wood Formwork .....9.94 <i>For Curved Formwork, Add</i> 3.67 <i>For <1,000, Add</i> 1.89		
03 11 13 00-0025 Elevated Slab Wood Formwork (03 11 13 00-0001) Note: Includes adjustable shores and column supports and bracing lumber up to 14' for bottom of elevated slab.		
03 11 13 00-0026 SF Elevated Slab Wood Formwork .....9.13 <i>For <1,000, Add</i> 1.68		
03 11 13 00-0027 Metal Framed Formwork (03 11 13) Note: For all metal framed and metal form systems. Includes erecting, stripping, stacking, oiling, studs/walers, strongbacks, deadmen, supporting braces, tumbuckles, ties, and clips.		
03 11 13 00-0028 Foundation Metal Framed Formwork (03 11 13 00-0027) Note: For foundation work below or at grade.		
03 11 13 00-0029 SF Continuous Footings Foundation Metal Framed Formwork .....5.58 <i>For <1,000, Add</i> 1.07 <i>For Foundations >8' Below Grade, Add</i> 1.04 <i>For Curved Formwork, Add</i> 2.08		
03 11 13 00-0030 SF Pile Cap, Pier Or Spread Footings Foundation Metal Framed Formwork .....6.24 <i>For <1,000, Add</i> 1.20 <i>For Foundations >8' Below Grade, Add</i> 1.17 <i>For Curved Formwork, Add</i> 2.34		
03 11 13 00-0031 SF Mat Foundation Metal Framed Formwork .....6.91 <i>For <1,000, Add</i> 1.32 <i>For Foundations >8' Below Grade, Add</i> 1.28 <i>For Curved Formwork, Add</i> 2.57		
03 11 13 00-0032 SF Grade Beams Or Duct Bank Foundation Metal Framed Formwork .....5.83 <i>For <1,000, Add</i> 1.11 <i>For Foundations >8' Below Grade, Add</i> 1.08 <i>For Curved Formwork, Add</i> 2.16		
03 11 13 00-0033 SF Below Grade Walls Foundation Metal Framed Formwork .....9.02 Note: Excludes footing. <i>For <1,000, Add</i> 1.73 <i>For Foundations >8' Below Grade, Add</i> 1.70 <i>For Curved Formwork, Add</i> 3.40		
03 11 13 00-0034 Slab Edge And Block-Out Metal Framed Formwork (03 11 13 00-0027)		
03 11 13 00-0035 LF Up To 6" High Slab Edge and Block-Out Metal Framed Formwork .....4.31 <i>For Foundations >8' Below Grade, Add</i> 0.85 <i>For Curved Formwork, Add</i> 1.70 <i>For <250, Add</i> 0.85		
03 11 13 00-0036 LF >6" To 12" High Slab Edge and Block-Out Metal Framed Formwork .....5.37 <i>For Foundations >8' Below Grade, Add</i> 1.05 <i>For Curved Formwork, Add</i> 2.11 <i>For <250, Add</i> 1.06		



Concrete	03	CS	
Concrete Forming And Accessories			03 10
Concrete Forming			03 11

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 11 13 00-0037 SF >12" High Slab Edge and Block-Out Metal Framed Formwork <i>For Foundations >8' Below Grade, Add</i> <i>For Curved Formwork, Add</i> <i>For <1,000, Add</i>	5.94 1.17 2.33 1.17	
03 11 13 00-0038 Column Metal Framed Formwork (03 11 13 00-0027)		
03 11 13 00-0039 Square Columns (03 11 13 00-0038)		
03 11 13 00-0040 LF Up To 12" Square Column Metal Framed Formwork	34.05	
03 11 13 00-0041 LF >12" To 16" Square Column Metal Framed Formwork	40.93	
03 11 13 00-0042 LF >16" To 20" Square Column Metal Framed Formwork	47.84	
03 11 13 00-0043 LF >20" To 24" Square Column Metal Framed Formwork	57.27	
03 11 13 00-0044 LF >24" To 30" Square Column Metal Framed Formwork	68.87	
03 11 13 00-0045 LF >30" To 36" Square Column Metal Framed Formwork	82.52	
03 11 13 00-0046 LF >36" To 48" Square Column Metal Framed Formwork	105.74	
03 11 13 00-0047 LF >48" To 60" Square Column Metal Framed Formwork	130.14	
03 11 13 00-0048 Round Columns (03 11 13 00-0038)		
03 11 13 00-0049 LF Up To 12" Diameter Column Metal Formwork	27.94	
03 11 13 00-0050 LF >12" To 16" Diameter Column Metal Formwork	31.51	
03 11 13 00-0051 LF >16" To 20" Diameter Column Metal Formwork	36.63	
03 11 13 00-0052 LF >20" To 24" Diameter Column Metal Formwork	43.55	
03 11 13 00-0053 LF >24" To 30" Diameter Column Metal Formwork	51.97	
03 11 13 00-0054 LF >30" To 36" Diameter Column Metal Formwork	59.92	
03 11 13 00-0055 LF >36" To 48" Diameter Column Metal Formwork	75.57	
03 11 13 00-0056 LF >48" To 60" Diameter Column Metal Formwork	93.44	
03 11 13 00-0057 Above Grade Wall Metal Framed Formwork (03 11 13 00-0027)		
03 11 13 00-0058 SF Up to 8' High Above Grade Wall Metal Framed Formwork <i>For Curved Formwork, Add</i> <i>For <1,000, Add</i>	5.30 1.91 0.99	
03 11 13 00-0059 SF >8' High Above Grade Wall Metal Framed Formwork..... <i>For Curved Formwork, Add</i> <i>For <1,000, Add</i>	6.42 2.30 1.19	
03 11 13 00-0060 Elevated Beam Metal Framed Formwork (03 11 13 00-0027) Note: Includes adjustable shores and column supports and bracing lumber up to 14' for bottom of elevated beam.		
03 11 13 00-0061 SF Bottom of Elevated Beam Metal Framed Formwork <i>For Curved Formwork, Add</i> <i>For <1,000, Add</i>	5.21 1.78 0.94	
03 11 13 00-0062 SF Vertical Sides of Elevated Beam Metal Framed Formwork..... <i>For Curved Formwork, Add</i> <i>For <1,000, Add</i>	3.91 1.39 0.73	
03 11 13 00-0063 Elevated Slab Metal Framed Formwork (03 11 13 00-0027) Note: Includes adjustable shores and column supports and bracing lumber up to 14' for bottom of elevated slab.		
03 11 13 00-0064 SF Elevated Slab Metal Framed Formwork..... <i>For <1,000, Add</i>	6.70 1.09	
03 11 13 00-0065 Fiber Tube Formwork (03 11 13) Note: Includes all supporting braces, erecting, aligning, stripping, turnbuckles, ties and clips.		
03 11 13 00-0066 Round Column Fiber Tube Formwork (03 11 13 00-0065)		
03 11 13 00-0067 LF 8" Diameter Round Fiber Tube Formwork <i>For Plastic Lined, Add</i> <i>For Columns >12' In Length, Add</i>	16.79 0.82 1.68	
03 11 13 00-0068 LF 10" Diameter Round Fiber Tube Formwork <i>For Plastic Lined, Add</i> <i>For Columns >12' In Length, Add</i>	18.85 1.04 1.89	
03 11 13 00-0069 LF 12" Diameter Round Fiber Tube Formwork <i>For Plastic Lined, Add</i> <i>For Columns >12' In Length, Add</i>	21.50 1.20 2.15	
03 11 13 00-0070 LF 14" Diameter Round Fiber Tube Formwork <i>For Plastic Lined, Add</i> <i>For Columns >12' In Length, Add</i>	23.54 1.37 2.35	
03 11 13 00-0071 LF 16" Diameter Round Fiber Tube Formwork <i>For Plastic Lined, Add</i> <i>For Columns >12' In Length, Add</i>	24.79 1.55 2.48	
03 11 13 00-0072 LF 18" Diameter Round Fiber Tube Formwork <i>For Plastic Lined, Add</i> <i>For Columns >12' In Length, Add</i>	27.57 2.15 2.76	
03 11 13 00-0073 LF 20" Diameter Round Fiber Tube Formwork <i>For Plastic Lined, Add</i> <i>For Columns >12' In Length, Add</i>	30.23 2.72 3.02	
03 11 13 00-0074 LF 22" Diameter Round Fiber Tube Formwork <i>For Plastic Lined, Add</i> <i>For Columns >12' In Length, Add</i>	31.90 2.91 3.19	

03 Concrete**03 10 Concrete Forming And Accessories****03 11 Concrete Forming**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 11 13 00-0075 LF 24" Diameter Round Fiber Tube Formwork	33.58	
For Plastic Lined, Add	3.09	
For Columns >12' In Length, Add	3.36	
03 11 13 00-0076 LF 26" Diameter Round Fiber Tube Formwork	34.74	
For Plastic Lined, Add	3.32	
For Columns >12' In Length, Add	3.47	
03 11 13 00-0077 LF 28" Diameter Round Fiber Tube Formwork	36.00	
For Plastic Lined, Add	3.57	
For Columns >12' In Length, Add	3.60	
03 11 13 00-0078 LF 30" Diameter Round Fiber Tube Formwork	37.40	
For Plastic Lined, Add	3.86	
For Columns >12' In Length, Add	3.74	
03 11 13 00-0079 LF 36" Diameter Round Fiber Tube Formwork	42.24	
For Plastic Lined, Add	4.85	
For Columns >12' In Length, Add	4.22	
03 11 13 00-0080 LF 42" Diameter Round Fiber Tube Formwork	51.57	
For Plastic Lined, Add	7.32	
For Columns >12' In Length, Add	5.16	
03 11 13 00-0081 LF 48" Diameter Round Fiber Tube Formwork	60.89	
For Plastic Lined, Add	9.79	
For Columns >12' In Length, Add	6.09	
03 11 13 00-0082 Accessories For Formwork (03 11 13)		
03 11 13 00-0083 Keyway Forms, All Materials (03 11 13 00-0082)		
03 11 13 00-0084 LF 2" x 4" To 2" x 6" Keyway Forms for Concrete Formwork, All Materials.....	1.83	
03 11 13 00-0085 Chamfer Strips, All Materials (03 11 13 00-0082)		
03 11 13 00-0086 LF 1/2" Wide Chamfer Strips for Concrete Formwork, All Materials.....	1.92	
03 11 13 00-0087 LF 3/4" Wide Chamfer Strips for Concrete Formwork, All Materials.....	2.23	
03 11 13 00-0088 LF 1" Wide Chamfer Strips for Concrete Formwork, All Materials.....	2.58	
03 11 13 00-0089 Strip Out Reglets For Concrete Formwork (03 11 13 00-0082)		
03 11 13 00-0090 LF 24 To 26 Gauge Galvanized Steel, Strip Out Reglets For Concrete Formwork.....	8.85	
03 11 13 00-0091 Sleeves And Chases, Plastic Or Sheet Metal (03 11 13 00-0082)		
03 11 13 00-0092 EA 2" Diameter Sleeves Or Chases for Concrete Formwork, Plastic or Sheet Metal.....	10.30	
03 11 13 00-0093 EA 4" Diameter Sleeves Or Chases for Concrete Formwork, Plastic or Sheet Metal.....	12.19	
03 11 13 00-0094 EA 6" Diameter Sleeves Or Chases for Concrete Formwork, Plastic or Sheet Metal.....	14.71	
03 11 13 00-0095 EA 8" Diameter Sleeves Or Chases for Concrete Formwork, Plastic or Sheet Metal.....	16.20	
03 11 13 00-0096 EA 12" Diameter Sleeves Or Chases for Concrete Formwork, Plastic or Sheet Metal.....	20.72	
03 11 13 00-0097 EA 18" Diameter Sleeves Or Chases for Concrete Formwork, Plastic or Sheet Metal.....	41.32	
03 11 16 Architectural Cast-In-Place Concrete Forming (03 11)		
03 11 16 00-0001 Concrete Form Liners (03 11 16)		
03 11 16 00-0002 SF Concrete Form Liner, Various Patterns And Textures, Add To Formwork.....	4.69	
03 11 23 Permanent Stair Forming (03 11)		
03 11 23 00-0001 Stairway Wood Formwork (03 11 23)		
03 11 23 00-0002 SF Cast On Grade Stairway Wood Formwork.....	15.22	
For Curved Formwork, Add	5.84	
For <1,000, Add	2.96	
03 11 23 00-0003 SF Elevated Stairway Wood Formwork.....	29.87	
Note: Includes adjustable column supports and bracing lumber up to 14' for bottom of elevated stair.		
For Curved Formwork, Add	11.35	
For <1,000, Add	5.78	
03 11 23 00-0004 Stairway Metal Framed Formwork (03 11 23)		
03 11 23 00-0005 SF Cast On Grade Stairway Metal Framed Formwork.....	12.18	
For Curved Formwork, Add	4.73	
For <1,000, Add	2.39	
03 11 23 00-0006 SF Elevated Stairway Metal Framed Formwork.....	22.69	
Note: Includes adjustable column supports and bracing lumber up to 14' for bottom of elevated stair.		
For Curved Formwork, Add	8.79	
For <1,000, Add	4.44	
03 15 Concrete Accessories (03 10)		
03 15 13 Waterstops (03 15)		
03 15 13 13 Non-Expanding Waterstops (03 15 13)		
03 15 13 13-0001 Polyvinyl Chloride (PVC) Waterstops (03 15 13 13)		



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 15 13 13-0002	LF		3/16" Thick x 4" Wide Ribbed Polyvinyl Chloride (PVC) Waterstop.....	6.65	
03 15 13 13-0003	LF		3/16" Thick x 6" Wide Ribbed Polyvinyl Chloride (PVC) Waterstop.....	7.36	
03 15 13 13-0004	LF		3/16" Thick x 9" Wide Ribbed Polyvinyl Chloride (PVC) Waterstop With Center Bulb.....	8.57	
03 15 13 13-0005	LF		3/8" Thick x 9" Wide Ribbed Polyvinyl Chloride (PVC) Waterstop With Center Bulb.....	9.26	
03 15 13 13-0006	LF		1/2" Thick x 9" Wide Ribbed Polyvinyl Chloride (PVC) Waterstop.....	12.61	
03 15 13 13-0007	LF		3/16" Thick x 6" Wide Dumbbell Polyvinyl Chloride (PVC) Waterstop.....	6.61	
03 15 13 13-0008	LF		3/8" Thick x 6" Wide Dumbbell Polyvinyl Chloride (PVC) Waterstop.....	8.49	
03 15 13 13-0009	LF		3/8" Thick x 9" Wide Plain Polyvinyl Chloride (PVC) Waterstop.....	13.54	
03 15 13 13-0010	LF		3/8" Thick x 9" Wide Plain Polyvinyl Chloride (PVC) Waterstop With Center Bulb.....	11.24	
03 15 13 13-0011	Rubber Waterstops (03 15 13 13)				
03 15 13 13-0012	LF		3/8" Thick x 6" Wide Rubber Dumbbell Waterstop.....	8.19	
03 15 13 13-0013	LF		3/8" Thick x 9" Wide Rubber Dumbbell Waterstop.....	9.47	
03 15 13 13-0014	LF		1/4" Thick x 6" Wide Rubber Waterstop, With Center Bulb.....	8.74	
03 15 13 13-0015	LF		1/4" Thick x 9" Wide Rubber Waterstop, With Center Bulb.....	12.14	
03 15 13 13-0016	LF		3/8" Thick x 6" Wide Rubber Waterstop, With Center Bulb.....	9.89	
03 15 13 13-0017	LF		3/8" Thick x 9" Wide Rubber Waterstop, With Center Bulb.....	12.83	
03 15 13 16	Expanding Waterstops (03 15 13)				
03 15 13 16-0001	Bentonite Waterstops (03 15 13 16)				
03 15 13 16-0002	LF		3/4" x 3/8" Bentonite Waterstop.....	5.65	
03 15 13 16-0003	LF		1-1/4" x 1/2" Bentonite Waterstop.....	8.28	
03 15 13 16-0004	LF		1" x 3/4" Bentonite Waterstop.....	9.21	
03 15 13 16-0005	LF		1" x 1" Bentonite Waterstop.....	10.22	
03 15 16	Concrete Construction Joints (03 15)				
03 15 16 00-0001	Poured Expansion Joint (03 15 16)				
03 15 16 00-0002	LF		1/2" x 1" Plain Asphalt Expansion Joint, Poured.....	2.88	0.72
			<i>For Installation In Walls, Add</i>	1.20	
03 15 16 00-0003	LF		1" x 2" Plain Asphalt Expansion Joint, Poured.....	6.35	0.72
			<i>For Installation In Walls, Add</i>	1.36	
03 15 16 00-0004	LF		1/2" x 1" Liquid Neoprene Expansion Joint, Poured, Cold Applied.....	2.35	0.72
			<i>For Installation In Walls, Add</i>	1.20	
03 15 16 00-0005	LF		1" x 2" Liquid Neoprene Expansion Joint, Poured, Cold Applied.....	4.81	0.72
			<i>For Installation In Walls, Add</i>	1.36	
03 15 16 00-0006	LF		1/2" x 1" Polyurethane Expansion Joint, Poured, 2 Parts.....	3.20	0.72
			<i>For Installation In Walls, Add</i>	1.36	
03 15 16 00-0007	LF		1" x 2" Polyurethane Expansion Joint, Poured, Poured, 2 Parts.....	5.69	0.72
			<i>For Installation In Walls, Add</i>	2.20	
03 15 16 00-0008	LF		1/2" x 1" Rubberized Asphalt Expansion Joint, Poured, Hot Or Cold Applied.....	2.02	0.72
			<i>For Installation In Walls, Add</i>	1.20	
03 15 16 00-0009	LF		1/2" x 1" Rubberized Asphalt Expansion Joint, Poured, Hot Applied Fuel Resistant.....	2.49	0.72
			<i>For Installation In Walls, Add</i>	1.20	
03 15 16 00-0010	LF		1" x 2" Rubberized Asphalt Expansion Joint, Poured, Hot Applied Fuel Resistant.....	3.42	0.72
			<i>For Installation In Walls, Add</i>	1.36	
03 15 16 00-0011	Premolded Expansion Joints (03 15 16)				
03 15 16 00-0012	Asphalt Saturated Fiber, Premolded Expansion Joints (03 15 16 00-0011)				
03 15 16 00-0013	LF		1/4" x 3" Asphalt Saturated Fiber, Premolded Expansion Joint.....	1.95	0.90
03 15 16 00-0014	LF		1/4" x 4" Asphalt Saturated Fiber, Premolded Expansion Joint.....	2.22	0.95
03 15 16 00-0015	LF		1/4" x 5" Asphalt Saturated Fiber, Premolded Expansion Joint.....	2.38	1.00
03 15 16 00-0016	LF		1/4" x 6" Asphalt Saturated Fiber, Premolded Expansion Joint.....	2.56	1.04
03 15 16 00-0017	LF		3/8" x 3" Asphalt Saturated Fiber, Premolded Expansion Joint.....	2.11	0.90
03 15 16 00-0018	LF		3/8" x 4" Asphalt Saturated Fiber, Premolded Expansion Joint.....	2.34	0.95
03 15 16 00-0019	LF		3/8" x 5" Asphalt Saturated Fiber, Premolded Expansion Joint.....	2.62	1.00
03 15 16 00-0020	LF		3/8" x 6" Asphalt Saturated Fiber, Premolded Expansion Joint.....	3.01	1.04
03 15 16 00-0021	LF		1/2" x 2" Asphalt Saturated Fiber, Premolded Expansion Joint.....	1.92	0.85
03 15 16 00-0022	LF		1/2" x 3" Asphalt Saturated Fiber, Premolded Expansion Joint.....	2.09	0.90
03 15 16 00-0023	LF		1/2" x 4" Asphalt Saturated Fiber, Premolded Expansion Joint.....	2.28	0.95
03 15 16 00-0024	LF		1/2" x 5" Asphalt Saturated Fiber, Premolded Expansion Joint.....	2.44	1.00
03 15 16 00-0025	LF		1/2" x 6" Asphalt Saturated Fiber, Premolded Expansion Joint.....	2.65	1.04
03 15 16 00-0026	LF		1/2" x 8" Asphalt Saturated Fiber, Premolded Expansion Joint.....	2.93	1.09
03 15 16 00-0027	LF		1/2" x 10" Asphalt Saturated Fiber, Premolded Expansion Joint.....	3.14	1.13
03 15 16 00-0028	LF		1/2" x 12" Asphalt Saturated Fiber, Premolded Expansion Joint.....	3.51	1.18
03 15 16 00-0029	LF		3/4" x 4" Asphalt Saturated Fiber, Premolded Expansion Joint.....	2.29	0.95
03 15 16 00-0030	LF		3/4" x 5" Asphalt Saturated Fiber, Premolded Expansion Joint.....	2.61	1.00
03 15 16 00-0031	LF		3/4" x 8" Asphalt Saturated Fiber, Premolded Expansion Joint.....	3.17	1.09
03 15 16 00-0032	SF		1" Asphalt Saturated Fiber, Premolded Expansion Joint.....	5.43	1.49
03 15 16 00-0033	Cork, Premolded Expansion Joints (03 15 16 00-0011)				
03 15 16 00-0034	LF		1/2" x 4" Cork, Premolded Expansion Joint.....	3.21	0.95
03 15 16 00-0035	LF		1/2" x 6" Cork, Premolded Expansion Joint.....	3.60	1.04
03 15 16 00-0036	LF		1/2" x 8" Cork, Premolded Expansion Joint.....	3.91	1.09
03 15 16 00-0037	LF		1/2" x 10" Cork, Premolded Expansion Joint.....	5.41	1.13

03 Concrete**03 10 Concrete Forming And Accessories****03 15 Concrete Accessories**

MINOR			TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
03 15 16 00-0038	LF	1/2" x 12" Cork, Premolded Expansion Joint.....	5.75	1.18
03 15 16 00-0039	SF	1/2" Cork, Premolded Expansion Joint.....	6.40	1.49
03 15 16 00-0040	SF	3/4" Cork, Premolded Expansion Joint.....	7.37	1.49
03 15 16 00-0041	SF	1" Cork, Premolded Expansion Joint.....	7.82	1.49
03 15 16 00-0042		Flexible Polyethylene Foam, Premolded Expansion Joints (03 15 16 00-0011)		
03 15 16 00-0043	LF	1/4" x 4" Flexible Polyethylene Foam, Premolded Expansion Joint.....	2.10	0.95
03 15 16 00-0044	LF	1/4" x 5" Flexible Polyethylene Foam, Premolded Expansion Joint.....	2.20	1.00
03 15 16 00-0045	LF	1/4" x 6" Flexible Polyethylene Foam, Premolded Expansion Joint.....	2.32	1.04
03 15 16 00-0046	LF	1/4" x 8" Flexible Polyethylene Foam, Premolded Expansion Joint.....	2.67	1.09
03 15 16 00-0047	LF	1/2" x 4" Flexible Polyethylene Foam, Premolded Expansion Joint.....	2.16	0.95
03 15 16 00-0048	LF	1/2" x 5" Flexible Polyethylene Foam, Premolded Expansion Joint.....	2.26	1.00
03 15 16 00-0049	LF	1/2" x 6" Flexible Polyethylene Foam, Premolded Expansion Joint.....	2.35	1.04
03 15 16 00-0050	LF	1/2" x 8" Flexible Polyethylene Foam, Premolded Expansion Joint.....	2.58	1.09
03 15 16 00-0051		Zip Strip, Premolded Expansion Joints (03 15 16 00-0011)		
03 15 16 00-0052	LF	1" Zip Strip, Premolded Expansion Joint.....	2.13	0.95
03 15 16 00-0053	LF	1-1/2" Zip Strip, Premolded Expansion Joint.....	2.31	1.00
03 15 16 00-0054	LF	2" Zip Strip, Premolded Expansion Joint.....	2.57	1.09
03 15 16 00-0055		Sponge Rubber, Premolded Expansion Joints (03 15 16 00-0011)		
03 15 16 00-0056	LF	1/2" x 4" Sponge Rubber, Premolded Expansion Joint.....	3.90	0.90
03 15 16 00-0057	LF	1/2" x 6" Sponge Rubber, Premolded Expansion Joint.....	4.67	0.90
03 15 16 00-0058		Asphalt Felt Control Joints Or Bond Breaker (03 15 16)		
03 15 16 00-0059	SF	Asphalt Felt Control Joint, 30 LB Felt Bond Breaker.....	1.02	0.67
03 15 16 00-0060	SF	Asphalt Felt Control Joint, 15 LB Felt Bond Breaker.....	0.96	0.67
03 15 16 00-0061		Keyed Cold Expansion And Control Joints (03 15 16)		
03 15 16 00-0062		24 Gauge Galvanized Steel With Stakes (03 15 16 00-0061)		
03 15 16 00-0063	LF	24 Gauge Galvanized Steel Keyed Joint, 3-1/2" Cold Expansion Or Control Joint.....	5.20	
03 15 16 00-0064	LF	24 Gauge Galvanized Steel Keyed Joint, 4-1/2" Cold Expansion Or Control Joint.....	5.30	
03 15 16 00-0065	LF	24 Gauge Galvanized Steel Keyed Joint, 5-1/2" Cold Expansion Or Control Joint.....	5.50	
03 15 16 00-0066	LF	24 Gauge Galvanized Steel Keyed Joint, 7-1/2" Cold Expansion Or Control Joint.....	5.84	
03 15 16 00-0067	LF	24 Gauge Galvanized Steel Keyed Joint, 9-1/2" Cold Expansion Or Control Joint.....	7.37	
03 15 19		Cast-In Concrete Anchors (03 15)		
03 15 19 00-0001		Cast In Place Anchors (03 15 19) Note: For cast in place installations. Includes nut and washer.		
03 15 19 00-0002		J-Type Anchor Bolts (03 15 19 00-0001) See CSI section 03 11 13 00-0002 for template.		
03 15 19 00-0003		1/2" And 5/8" Diameter (03 15 19 00-0002)		
03 15 19 00-0004	EA	1/2" Diameter x 6" Length, Plain Steel, J-Type Cast In Place Anchor Bolt.....	6.57	
		For Galvanized, Add	0.72	
		For Stainless Steel, Add	5.01	
		For >10 To 50, Deduct	-0.26	
		For >50 To 100, Deduct	-0.55	
		For >100, Deduct	-1.10	
03 15 19 00-0005	EA	1/2" Diameter x 12" Length, Plain Steel, J-Type Cast In Place Anchor Bolt.....	7.35	
		For Galvanized, Add	0.91	
		For Stainless Steel, Add	6.37	
		For >10 To 50, Deduct	-0.28	
		For >50 To 100, Deduct	-0.60	
		For >100, Deduct	-1.20	
03 15 19 00-0006	EA	1/2" Diameter x 18" Length, Plain Steel, J-Type Cast In Place Anchor Bolt.....	8.51	
		For Galvanized, Add	1.26	
		For Stainless Steel, Add	8.79	
		For >10 To 50, Deduct	-0.30	
		For >50 To 100, Deduct	-0.66	
		For >100, Deduct	-1.33	
03 15 19 00-0007	EA	5/8" Diameter x 12" Length, Plain Steel, J-Type Cast In Place Anchor Bolt.....	9.28	
		For Galvanized, Add	1.64	
		For Stainless Steel, Add	11.48	
		For >10 To 50, Deduct	-0.30	
		For >50 To 100, Deduct	-0.68	
		For >100, Deduct	-1.36	
03 15 19 00-0008	EA	5/8" Diameter x 18" Length, Plain Steel, J-Type Cast In Place Anchor Bolt.....	10.92	
		For Galvanized, Add	2.19	
		For Stainless Steel, Add	15.33	
		For >10 To 50, Deduct	-0.33	
		For >50 To 100, Deduct	-0.76	
		For >100, Deduct	-1.53	



Concrete	03	CS	
Concrete Forming And Accessories			03 10
Concrete Accessories			03 15

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 15 19 00-0009 EA 5/8" Diameter x 24" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	12.20	
For Galvanized, Add	2.51	
For Stainless Steel, Add	17.54	
For >10 To 50, Deduct	-0.36	
For >50 To 100, Deduct	-0.84	
For >100, Deduct	-1.69	
03 15 19 00-0010 3/4" And 7/8" Diameter (03 15 19 00-0002)		
03 15 19 00-0011 EA 3/4" Diameter x 8" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	12.16	
For Galvanized, Add	2.49	
For Stainless Steel, Add	17.40	
For >10 To 50, Deduct	-0.36	
For >50 To 100, Deduct	-0.84	
For >100, Deduct	-1.69	
03 15 19 00-0012 EA 3/4" Diameter x 12" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	13.79	
For Galvanized, Add	2.90	
For Stainless Steel, Add	20.27	
For >10 To 50, Deduct	-0.40	
For >50 To 100, Deduct	-0.94	
For >100, Deduct	-1.89	
03 15 19 00-0013 EA 3/4" Diameter x 18" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	16.41	
For Galvanized, Add	3.71	
For Stainless Steel, Add	25.97	
For >10 To 50, Deduct	-0.45	
For >50 To 100, Deduct	-1.08	
For >100, Deduct	-2.17	
03 15 19 00-0014 EA 3/4" Diameter x 24" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	19.43	
For Galvanized, Add	4.68	
For Stainless Steel, Add	32.73	
For >10 To 50, Deduct	-0.50	
For >50 To 100, Deduct	-1.24	
For >100, Deduct	-2.48	
03 15 19 00-0015 EA 7/8" Diameter x 12" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	15.79	
For Galvanized, Add	3.40	
For Stainless Steel, Add	23.80	
For >10 To 50, Deduct	-0.45	
For >50 To 100, Deduct	-1.07	
For >100, Deduct	-2.14	
03 15 19 00-0016 EA 7/8" Diameter x 18" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	18.42	
For Galvanized, Add	4.07	
For Stainless Steel, Add	28.49	
For >10 To 50, Deduct	-0.51	
For >50 To 100, Deduct	-1.23	
For >100, Deduct	-2.46	
03 15 19 00-0017 EA 7/8" Diameter x 24" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	22.84	
For Galvanized, Add	5.43	
For Stainless Steel, Add	37.98	
For >10 To 50, Deduct	-0.60	
For >50 To 100, Deduct	-1.47	
For >100, Deduct	-2.94	
03 15 19 00-0018 1" And 1-1/8" Diameter (03 15 19 00-0002)		
03 15 19 00-0019 EA 1" Diameter x 12" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	19.07	
For Galvanized, Add	4.40	
For Stainless Steel, Add	30.77	
For >10 To 50, Deduct	-0.51	
For >50 To 100, Deduct	-1.25	
For >100, Deduct	-2.50	
03 15 19 00-0020 EA 1" Diameter x 18" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	22.57	
For Galvanized, Add	5.29	
For Stainless Steel, Add	37.03	
For >10 To 50, Deduct	-0.60	
For >50 To 100, Deduct	-1.46	
For >100, Deduct	-2.93	
03 15 19 00-0021 EA 1" Diameter x 24" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	27.64	
For Galvanized, Add	6.63	
For Stainless Steel, Add	46.41	
For >10 To 50, Deduct	-0.72	
For >50 To 100, Deduct	-1.77	
For >100, Deduct	-3.54	
03 15 19 00-0022 EA 1" Diameter x 36" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	34.19	
For Galvanized, Add	8.10	
For Stainless Steel, Add	56.70	
For >10 To 50, Deduct	-0.90	
For >50 To 100, Deduct	-2.20	
For >100, Deduct	-4.41	
03 15 19 00-0023 EA 1-1/8" Diameter x 12" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	22.27	
For Galvanized, Add	5.50	
For Stainless Steel, Add	38.47	
For >10 To 50, Deduct	-0.56	
For >50 To 100, Deduct	-1.40	
For >100, Deduct	-2.81	

03 Concrete**03 10 Concrete Forming And Accessories****03 15 Concrete Accessories**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 15 19 00-0024	EA		1-1/8" Diameter x 18" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	26.38	
			<i>For Galvanized, Add</i>	6.61	
			<i>For Stainless Steel, Add</i>	46.27	
			<i>For >10 To 50, Deduct</i>	-0.66	
			<i>For >50 To 100, Deduct</i>	-1.65	
			<i>For >100, Deduct</i>	-3.29	
03 15 19 00-0025	EA		1-1/8" Diameter x 24" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	32.37	
			<i>For Galvanized, Add</i>	8.29	
			<i>For Stainless Steel, Add</i>	58.03	
			<i>For >10 To 50, Deduct</i>	-0.79	
			<i>For >50 To 100, Deduct</i>	-1.99	
			<i>For >100, Deduct</i>	-3.99	
03 15 19 00-0026	EA		1-1/8" Diameter x 36" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	40.00	
			<i>For Galvanized, Add</i>	10.13	
			<i>For Stainless Steel, Add</i>	70.88	
			<i>For >10 To 50, Deduct</i>	-0.99	
			<i>For >50 To 100, Deduct</i>	-2.48	
			<i>For >100, Deduct</i>	-4.96	
03 15 19 00-0027			1-1/4" And 1-1/2" Diameter <small>(03 15 19 00-0002)</small>		
03 15 19 00-0028	EA		1-1/4" Diameter x 12" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	26.22	
			<i>For Galvanized, Add</i>	6.87	
			<i>For Stainless Steel, Add</i>	48.06	
			<i>For >10 To 50, Deduct</i>	-0.62	
			<i>For >50 To 100, Deduct</i>	-1.59	
			<i>For >100, Deduct</i>	-3.18	
03 15 19 00-0029	EA		1-1/4" Diameter x 18" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	31.11	
			<i>For Galvanized, Add</i>	8.27	
			<i>For Stainless Steel, Add</i>	57.86	
			<i>For >10 To 50, Deduct</i>	-0.73	
			<i>For >50 To 100, Deduct</i>	-1.87	
			<i>For >100, Deduct</i>	-3.74	
03 15 19 00-0030	EA		1-1/4" Diameter x 24" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	38.22	
			<i>For Galvanized, Add</i>	10.37	
			<i>For Stainless Steel, Add</i>	72.56	
			<i>For >10 To 50, Deduct</i>	-0.87	
			<i>For >50 To 100, Deduct</i>	-2.27	
			<i>For >100, Deduct</i>	-4.53	
03 15 19 00-0031	EA		1-1/4" Diameter x 36" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	47.17	
			<i>For Galvanized, Add</i>	12.66	
			<i>For Stainless Steel, Add</i>	88.59	
			<i>For >10 To 50, Deduct</i>	-1.09	
			<i>For >50 To 100, Deduct</i>	-2.82	
			<i>For >100, Deduct</i>	-5.64	
03 15 19 00-0032	EA		1-1/2" Diameter x 12" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	31.18	
			<i>For Galvanized, Add</i>	8.59	
			<i>For Stainless Steel, Add</i>	60.10	
			<i>For >10 To 50, Deduct</i>	-0.70	
			<i>For >50 To 100, Deduct</i>	-1.83	
			<i>For >100, Deduct</i>	-3.66	
03 15 19 00-0033	EA		1-1/2" Diameter x 18" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	37.01	
			<i>For Galvanized, Add</i>	10.33	
			<i>For Stainless Steel, Add</i>	72.31	
			<i>For >10 To 50, Deduct</i>	-0.82	
			<i>For >50 To 100, Deduct</i>	-2.15	
			<i>For >100, Deduct</i>	-4.30	
03 15 19 00-0034	EA		1-1/2" Diameter x 24" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	45.54	
			<i>For Galvanized, Add</i>	12.96	
			<i>For Stainless Steel, Add</i>	90.69	
			<i>For >10 To 50, Deduct</i>	-0.98	
			<i>For >50 To 100, Deduct</i>	-2.61	
			<i>For >100, Deduct</i>	-5.22	
03 15 19 00-0035	EA		1-1/2" Diameter x 36" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	56.16	
			<i>For Galvanized, Add</i>	15.82	
			<i>For Stainless Steel, Add</i>	110.74	
			<i>For >10 To 50, Deduct</i>	-1.23	
			<i>For >50 To 100, Deduct</i>	-3.24	
			<i>For >100, Deduct</i>	-6.49	
03 15 19 00-0036			L-Type Anchor Bolts <small>(03 15 19 00-0001)</small>		
			See CSI section 03 11 13 00-0002 for template.		
03 15 19 00-0037			3/4" And 7/8" Diameter <small>(03 15 19 00-0036)</small>		
03 15 19 00-0038	EA		3/4" Diameter x 12" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	11.80	
			<i>For Galvanized, Add</i>	1.90	
			<i>For Stainless Steel, Add</i>	13.30	
			<i>For >10 To 50, Deduct</i>	-0.40	
			<i>For >50 To 100, Deduct</i>	-0.90	
			<i>For >100, Deduct</i>	-1.79	



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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 15 19 00-0039 EA 3/4" Diameter x 18" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	13.68	
For Galvanized, Add	2.35	
For Stainless Steel, Add	16.42	
For >10 To 50, Deduct	-0.45	
For >50 To 100, Deduct	-1.02	
For >100, Deduct	-2.03	
03 15 19 00-0040 EA 3/4" Diameter x 24" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	15.66	
For Galvanized, Add	2.69	
For Stainless Steel, Add	18.83	
For >10 To 50, Deduct	-0.51	
For >50 To 100, Deduct	-1.16	
For >100, Deduct	-2.33	
03 15 19 00-0041 EA 3/4" Diameter x 30" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	17.58	
For Galvanized, Add	2.80	
For Stainless Steel, Add	19.57	
For >10 To 50, Deduct	-0.60	
For >50 To 100, Deduct	-1.34	
For >100, Deduct	-2.68	
03 15 19 00-0042 EA 3/4" Diameter x 36" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	20.25	
For Galvanized, Add	2.94	
For Stainless Steel, Add	20.55	
For >10 To 50, Deduct	-0.72	
For >50 To 100, Deduct	-1.58	
For >100, Deduct	-3.17	
03 15 19 00-0043 EA 7/8" Diameter x 12" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	13.70	
For Galvanized, Add	2.36	
For Stainless Steel, Add	16.49	
For >10 To 50, Deduct	-0.45	
For >50 To 100, Deduct	-1.02	
For >100, Deduct	-2.03	
03 15 19 00-0044 EA 7/8" Diameter x 18" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	15.77	
For Galvanized, Add	2.75	
For Stainless Steel, Add	19.22	
For >10 To 50, Deduct	-0.51	
For >50 To 100, Deduct	-1.17	
For >100, Deduct	-2.33	
03 15 19 00-0045 EA 7/8" Diameter x 24" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	18.28	
For Galvanized, Add	3.15	
For Stainless Steel, Add	22.02	
For >10 To 50, Deduct	-0.60	
For >50 To 100, Deduct	-1.36	
For >100, Deduct	-2.71	
03 15 19 00-0046 EA 7/8" Diameter x 30" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	20.92	
For Galvanized, Add	3.27	
For Stainless Steel, Add	22.89	
For >10 To 50, Deduct	-0.72	
For >50 To 100, Deduct	-1.60	
For >100, Deduct	-3.20	
03 15 19 00-0047 EA 7/8" Diameter x 36" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	24.86	
For Galvanized, Add	3.44	
For Stainless Steel, Add	24.05	
For >10 To 50, Deduct	-0.90	
For >50 To 100, Deduct	-1.97	
For >100, Deduct	-3.94	
03 15 19 00-0048 1" And 1-1/8" Diameter (03 15 19 00-0036)		
03 15 19 00-0049 EA 1" Diameter x 12" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	16.32	
For Galvanized, Add	3.02	
For Stainless Steel, Add	21.14	
For >10 To 50, Deduct	-0.51	
For >50 To 100, Deduct	-1.18	
For >100, Deduct	-2.36	
03 15 19 00-0050 EA 1" Diameter x 18" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	18.79	
For Galvanized, Add	3.40	
For Stainless Steel, Add	23.80	
For >10 To 50, Deduct	-0.60	
For >50 To 100, Deduct	-1.37	
For >100, Deduct	-2.74	
03 15 19 00-0051 EA 1" Diameter x 24" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	21.98	
For Galvanized, Add	3.80	
For Stainless Steel, Add	26.60	
For >10 To 50, Deduct	-0.72	
For >50 To 100, Deduct	-1.63	
For >100, Deduct	-3.26	
03 15 19 00-0052 EA 1" Diameter x 30" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	23.60	
For Galvanized, Add	3.98	
For Stainless Steel, Add	27.86	
For >10 To 50, Deduct	-0.78	
For >50 To 100, Deduct	-1.76	
For >100, Deduct	-3.53	

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03 15 19 00-0053 EA 1" Diameter x 36" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	26.32	
For Galvanized, Add	4.17	
For Stainless Steel, Add	29.16	
For >10 To 50, Deduct	-0.90	
For >50 To 100, Deduct	-2.01	
For >100, Deduct	-4.01	
03 15 19 00-0054 EA 1" Diameter x 42" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	29.65	
For Galvanized, Add	4.83	
For Stainless Steel, Add	33.81	
For >10 To 50, Deduct	-1.00	
For >50 To 100, Deduct	-2.24	
For >100, Deduct	-4.48	
03 15 19 00-0055 EA 1" Diameter x 48" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	35.28	
For Galvanized, Add	5.65	
For Stainless Steel, Add	39.55	
For >10 To 50, Deduct	-1.20	
For >50 To 100, Deduct	-2.68	
For >100, Deduct	-5.36	
03 15 19 00-0056 EA 1-1/8" Diameter x 18" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	19.94	
For Galvanized, Add	3.98	
For Stainless Steel, Add	27.83	
For >10 To 50, Deduct	-0.60	
For >50 To 100, Deduct	-1.40	
For >100, Deduct	-2.80	
03 15 19 00-0057 EA 1-1/8" Diameter x 24" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	23.28	
For Galvanized, Add	4.45	
For Stainless Steel, Add	31.15	
For >10 To 50, Deduct	-0.72	
For >50 To 100, Deduct	-1.66	
For >100, Deduct	-3.32	
03 15 19 00-0058 EA 1-1/8" Diameter x 30" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	24.95	
For Galvanized, Add	4.66	
For Stainless Steel, Add	32.59	
For >10 To 50, Deduct	-0.78	
For >50 To 100, Deduct	-1.80	
For >100, Deduct	-3.59	
 03 15 19 00-0059 1-1/4" And 1-3/8" Diameter <small>(03 15 19 00-0036)</small>		
03 15 19 00-0060 EA 1-1/4" Diameter x 18" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	23.99	
For Galvanized, Add	4.81	
For Stainless Steel, Add	33.64	
For >10 To 50, Deduct	-0.72	
For >50 To 100, Deduct	-1.68	
For >100, Deduct	-3.36	
03 15 19 00-0061 EA 1-1/4" Diameter x 24" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	29.24	
For Galvanized, Add	5.63	
For Stainless Steel, Add	39.38	
For >10 To 50, Deduct	-0.90	
For >50 To 100, Deduct	-2.08	
For >100, Deduct	-4.16	
03 15 19 00-0062 EA 1-1/4" Diameter x 30" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	31.67	
For Galvanized, Add	6.37	
For Stainless Steel, Add	44.59	
For >10 To 50, Deduct	-0.95	
For >50 To 100, Deduct	-2.21	
For >100, Deduct	-4.42	
03 15 19 00-0063 EA 1-1/4" Diameter x 36" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	34.38	
For Galvanized, Add	7.20	
For Stainless Steel, Add	50.37	
For >10 To 50, Deduct	-1.00	
For >50 To 100, Deduct	-2.36	
For >100, Deduct	-4.72	
03 15 19 00-0064 EA 1-1/4" Diameter x 42" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	38.13	
For Galvanized, Add	7.83	
For Stainless Steel, Add	54.78	
For >10 To 50, Deduct	-1.12	
For >50 To 100, Deduct	-2.64	
For >100, Deduct	-5.28	
03 15 19 00-0065 EA 1-1/4" Diameter x 48" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	42.45	
For Galvanized, Add	8.38	
For Stainless Steel, Add	58.66	
For >10 To 50, Deduct	-1.28	
For >50 To 100, Deduct	-2.99	
For >100, Deduct	-5.98	
03 15 19 00-0066 EA 1-1/4" Diameter x 54" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	47.92	
For Galvanized, Add	8.97	
For Stainless Steel, Add	62.79	
For >10 To 50, Deduct	-1.50	
For >50 To 100, Deduct	-3.45	
For >100, Deduct	-6.89	



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03 15 19 00-0067 EA 1-1/4" Diameter x 60" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	55.80	
For Galvanized, Add	9.92	
For Stainless Steel, Add	69.41	
For >10 To 50, Deduct	-1.80	
For >50 To 100, Deduct	-4.09	
For >100, Deduct	-8.19	
03 15 19 00-0068 EA 1-3/8" Diameter x 18" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	26.40	
For Galvanized, Add	6.01	
For Stainless Steel, Add	42.07	
For >10 To 50, Deduct	-0.72	
For >50 To 100, Deduct	-1.74	
For >100, Deduct	-3.48	
03 15 19 00-0069 EA 1-3/8" Diameter x 24" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	32.05	
For Galvanized, Add	7.03	
For Stainless Steel, Add	49.21	
For >10 To 50, Deduct	-0.90	
For >50 To 100, Deduct	-2.15	
For >100, Deduct	-4.30	
03 15 19 00-0070 EA 1-3/8" Diameter x 30" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	34.85	
For Galvanized, Add	7.96	
For Stainless Steel, Add	55.72	
For >10 To 50, Deduct	-0.95	
For >50 To 100, Deduct	-2.29	
For >100, Deduct	-4.58	
03 15 19 00-0071 EA 1-3/8" Diameter x 36" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	37.97	
For Galvanized, Add	8.99	
For Stainless Steel, Add	62.93	
For >10 To 50, Deduct	-1.00	
For >50 To 100, Deduct	-2.45	
For >100, Deduct	-4.90	
03 15 19 00-0072 EA 1-3/8" Diameter x 42" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	42.04	
For Galvanized, Add	9.78	
For Stainless Steel, Add	68.46	
For >10 To 50, Deduct	-1.12	
For >50 To 100, Deduct	-2.74	
For >100, Deduct	-5.47	
03 15 19 00-0073 EA 1-3/8" Diameter x 48" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	46.64	
For Galvanized, Add	10.48	
For Stainless Steel, Add	73.33	
For >10 To 50, Deduct	-1.28	
For >50 To 100, Deduct	-3.09	
For >100, Deduct	-6.19	
03 15 19 00-0074 EA 1-3/8" Diameter x 54" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	52.58	
For Galvanized, Add	11.30	
For Stainless Steel, Add	79.10	
For >10 To 50, Deduct	-1.50	
For >50 To 100, Deduct	-3.56	
For >100, Deduct	-7.13	
03 15 19 00-0075 EA 1-3/8" Diameter x 60" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	60.76	
For Galvanized, Add	12.40	
For Stainless Steel, Add	86.77	
For >10 To 50, Deduct	-1.80	
For >50 To 100, Deduct	-4.22	
For >100, Deduct	-8.43	
03 15 19 00-0076 1-1/2", 1-3/4", And 2" Diameter (03 15 19 00-0036)		
03 15 19 00-0077 EA 1-1/2" Diameter x 18" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	33.01	
For Galvanized, Add	8.33	
For Stainless Steel, Add	58.31	
For >10 To 50, Deduct	-0.82	
For >50 To 100, Deduct	-2.05	
For >100, Deduct	-4.10	
03 15 19 00-0078 EA 1-1/2" Diameter x 24" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	36.40	
For Galvanized, Add	8.74	
For Stainless Steel, Add	61.15	
For >10 To 50, Deduct	-0.95	
For >50 To 100, Deduct	-2.33	
For >100, Deduct	-4.66	
03 15 19 00-0079 EA 1-1/2" Diameter x 30" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	40.37	
For Galvanized, Add	9.61	
For Stainless Steel, Add	67.27	
For >10 To 50, Deduct	-1.06	
For >50 To 100, Deduct	-2.60	
For >100, Deduct	-5.19	
03 15 19 00-0080 EA 1-1/2" Diameter x 36" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	43.48	
For Galvanized, Add	10.50	
For Stainless Steel, Add	73.50	
For >10 To 50, Deduct	-1.12	
For >50 To 100, Deduct	-2.77	
For >100, Deduct	-5.55	

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	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 15 19 00-0081	EA			1-1/2" Diameter x 42" Length, Plain Steel, L-Type Cast In Place Anchor Bolt46.76 <i>For Galvanized, Add</i> 11.39 <i>For Stainless Steel, Add</i> 79.73 <i>For >10 To 50, Deduct</i> -1.20 <i>For >50 To 100, Deduct</i> -2.97 <i>For >100, Deduct</i> -5.94		
03 15 19 00-0082	EA			1-1/2" Diameter x 48" Length, Plain Steel, L-Type Cast In Place Anchor Bolt .....52.17 <i>For Galvanized, Add</i> 12.25 <i>For Stainless Steel, Add</i> 85.75 <i>For >10 To 50, Deduct</i> -1.38 <i>For >50 To 100, Deduct</i> -3.38 <i>For >100, Deduct</i> -6.76		
03 15 19 00-0083	EA			1-1/2" Diameter x 54" Length, Plain Steel, L-Type Cast In Place Anchor Bolt .....59.20 <i>For Galvanized, Add</i> 13.25 <i>For Stainless Steel, Add</i> 92.75 <i>For >10 To 50, Deduct</i> -1.64 <i>For >50 To 100, Deduct</i> -3.93 <i>For >100, Deduct</i> -7.87		
03 15 19 00-0084	EA			1-1/2" Diameter x 60" Length, Plain Steel, L-Type Cast In Place Anchor Bolt .....69.36 <i>For Galvanized, Add</i> 14.70 <i>For Stainless Steel, Add</i> 102.87 <i>For >10 To 50, Deduct</i> -2.00 <i>For >50 To 100, Deduct</i> -4.73 <i>For >100, Deduct</i> -9.46		
03 15 19 00-0085	EA			1-3/4" Diameter x 18" Length, Plain Steel, L-Type Cast In Place Anchor Bolt .....43.05 <i>For Galvanized, Add</i> 12.53 <i>For Stainless Steel, Add</i> 87.71 <i>For >10 To 50, Deduct</i> -0.90 <i>For >50 To 100, Deduct</i> -2.43 <i>For >100, Deduct</i> -4.85		
03 15 19 00-0086	EA			1-3/4" Diameter x 24" Length, Plain Steel, L-Type Cast In Place Anchor Bolt .....45.60 <i>For Galvanized, Add</i> 12.81 <i>For Stainless Steel, Add</i> 89.64 <i>For >10 To 50, Deduct</i> -1.00 <i>For >50 To 100, Deduct</i> -2.64 <i>For >100, Deduct</i> -5.28		
03 15 19 00-0087	EA			1-3/4" Diameter x 30" Length, Plain Steel, L-Type Cast In Place Anchor Bolt .....47.17 <i>For Galvanized, Add</i> 13.01 <i>For Stainless Steel, Add</i> 91.07 <i>For >10 To 50, Deduct</i> -1.06 <i>For >50 To 100, Deduct</i> -2.77 <i>For >100, Deduct</i> -5.53		
03 15 19 00-0088	EA			1-3/4" Diameter x 36" Length, Plain Steel, L-Type Cast In Place Anchor Bolt .....52.53 <i>For Galvanized, Add</i> 15.03 <i>For Stainless Steel, Add</i> 105.18 <i>For >10 To 50, Deduct</i> -1.12 <i>For >50 To 100, Deduct</i> -3.00 <i>For >100, Deduct</i> -6.00		
03 15 19 00-0089	EA			1-3/4" Diameter x 42" Length, Plain Steel, L-Type Cast In Place Anchor Bolt .....60.38 <i>For Galvanized, Add</i> 17.35 <i>For Stainless Steel, Add</i> 121.42 <i>For >10 To 50, Deduct</i> -1.28 <i>For >50 To 100, Deduct</i> -3.44 <i>For >100, Deduct</i> -6.87		
03 15 19 00-0090	EA			1-3/4" Diameter x 48" Length, Plain Steel, L-Type Cast In Place Anchor Bolt .....65.13 <i>For Galvanized, Add</i> 17.58 <i>For Stainless Steel, Add</i> 123.03 <i>For >10 To 50, Deduct</i> -1.50 <i>For >50 To 100, Deduct</i> -3.88 <i>For >100, Deduct</i> -7.75		
03 15 19 00-0091	EA			1-3/4" Diameter x 54" Length, Plain Steel, L-Type Cast In Place Anchor Bolt .....73.92 <i>For Galvanized, Add</i> 18.98 <i>For Stainless Steel, Add</i> 132.83 <i>For >10 To 50, Deduct</i> -1.80 <i>For >50 To 100, Deduct</i> -4.55 <i>For >100, Deduct</i> -9.09		
03 15 19 00-0092	EA			1-3/4" Diameter x 60" Length, Plain Steel, L-Type Cast In Place Anchor Bolt .....85.84 <i>For Galvanized, Add</i> 20.44 <i>For Stainless Steel, Add</i> 143.08 <i>For >10 To 50, Deduct</i> -2.25 <i>For >50 To 100, Deduct</i> -5.52 <i>For >100, Deduct</i> -11.04		
03 15 19 00-0093	EA			2" Diameter x 24" Length, Plain Steel, L-Type Cast In Place Anchor Bolt .....59.30 <i>For Galvanized, Add</i> 19.08 <i>For Stainless Steel, Add</i> 133.53 <i>For >10 To 50, Deduct</i> -1.06 <i>For >50 To 100, Deduct</i> -3.07 <i>For >100, Deduct</i> -6.14		
03 15 19 00-0094	EA			2" Diameter x 30" Length, Plain Steel, L-Type Cast In Place Anchor Bolt65.22 <i>For Galvanized, Add</i> 20.62 <i>For Stainless Steel, Add</i> 144.34 <i>For >10 To 50, Deduct</i> -1.20 <i>For >50 To 100, Deduct</i> -3.43 <i>For >100, Deduct</i> -6.86		



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03 15 19 00-0095 EA 2" Diameter x 36" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	72.63	
For Galvanized, Add	22.48	
For Stainless Steel, Add	157.36	
For >10 To 50, Deduct	-1.38	
For >50 To 100, Deduct	-3.89	
For >100, Deduct	-7.78	
03 15 19 00-0096 EA 2" Diameter x 42" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	80.31	
For Galvanized, Add	23.81	
For Stainless Steel, Add	166.64	
For >10 To 50, Deduct	-1.64	
For >50 To 100, Deduct	-4.46	
For >100, Deduct	-8.92	
03 15 19 00-0097 EA 2" Diameter x 48" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	87.13	
For Galvanized, Add	25.58	
For Stainless Steel, Add	179.06	
For >10 To 50, Deduct	-1.80	
For >50 To 100, Deduct	-4.88	
For >100, Deduct	-9.75	
03 15 19 00-0098 EA 2" Diameter x 54" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	94.60	
For Galvanized, Add	27.32	
For Stainless Steel, Add	191.21	
For >10 To 50, Deduct	-2.00	
For >50 To 100, Deduct	-5.36	
For >100, Deduct	-10.73	
03 15 19 00-0099 EA 2" Diameter x 60" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	110.05	
For Galvanized, Add	29.34	
For Stainless Steel, Add	205.35	
For >10 To 50, Deduct	-2.57	
For >50 To 100, Deduct	-6.60	
For >100, Deduct	-13.21	
03 15 19 00-0100 EA 2" Diameter x 66" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	115.88	
For Galvanized, Add	32.25	
For Stainless Steel, Add	225.75	
For >10 To 50, Deduct	-2.57	
For >50 To 100, Deduct	-6.75	
For >100, Deduct	-13.50	
03 15 19 00-0101 EA 2" Diameter x 72" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	131.65	
For Galvanized, Add	35.85	
For Stainless Steel, Add	250.95	
For >10 To 50, Deduct	-3.00	
For >50 To 100, Deduct	-7.79	
For >100, Deduct	-15.58	
03 15 19 00-0102 2-1/2" And 2-3/4" Diameter (03 15 19 00-0036)	105.91	
03 15 19 00-0103 EA 2-1/2" Diameter x 24" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	105.91	
For Galvanized, Add	42.38	
For Stainless Steel, Add	296.66	
For >10 To 50, Deduct	-1.06	
For >50 To 100, Deduct	-4.23	
For >100, Deduct	-8.47	
03 15 19 00-0104 EA 2-1/2" Diameter x 30" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	112.58	
For Galvanized, Add	44.30	
For Stainless Steel, Add	310.10	
For >10 To 50, Deduct	-1.20	
For >50 To 100, Deduct	-4.61	
For >100, Deduct	-9.23	
03 15 19 00-0105 EA 2-1/2" Diameter x 36" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	123.75	
For Galvanized, Add	48.04	
For Stainless Steel, Add	336.28	
For >10 To 50, Deduct	-1.38	
For >50 To 100, Deduct	-5.17	
For >100, Deduct	-10.34	
03 15 19 00-0106 EA 2-1/2" Diameter x 42" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	133.96	
For Galvanized, Add	50.63	
For Stainless Steel, Add	354.41	
For >10 To 50, Deduct	-1.64	
For >50 To 100, Deduct	-5.80	
For >100, Deduct	-11.60	
03 15 19 00-0107 EA 2-1/2" Diameter x 48" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	142.65	
For Galvanized, Add	53.34	
For Stainless Steel, Add	373.38	
For >10 To 50, Deduct	-1.80	
For >50 To 100, Deduct	-6.26	
For >100, Deduct	-12.53	
03 15 19 00-0108 EA 2-1/2" Diameter x 54" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	152.73	
For Galvanized, Add	56.38	
For Stainless Steel, Add	394.66	
For >10 To 50, Deduct	-2.00	
For >50 To 100, Deduct	-6.82	
For >100, Deduct	-13.63	

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03 10 Concrete Forming And Accessories
03 15 Concrete Accessories



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 15 19 00-0109 EA 2-1/2" Diameter x 60" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	170.37	
For Galvanized, Add	59.50	
For Stainless Steel, Add	416.47	
For >10 To 50, Deduct	-2.57	
For >50 To 100, Deduct	-8.11	
For >100, Deduct	-16.23	
03 15 19 00-0110 EA 2-3/4" Diameter x 24" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	118.43	
For Galvanized, Add	47.98	
For Stainless Steel, Add	335.83	
For >10 To 50, Deduct	-1.12	
For >50 To 100, Deduct	-4.65	
For >100, Deduct	-9.29	
03 15 19 00-0111 EA 2-3/4" Diameter x 30" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	128.33	
For Galvanized, Add	51.32	
For Stainless Steel, Add	359.24	
For >10 To 50, Deduct	-1.28	
For >50 To 100, Deduct	-5.14	
For >100, Deduct	-10.27	
03 15 19 00-0112 EA 2-3/4" Diameter x 36" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	139.37	
For Galvanized, Add	54.70	
For Stainless Steel, Add	382.87	
For >10 To 50, Deduct	-1.50	
For >50 To 100, Deduct	-5.73	
For >100, Deduct	-11.47	
03 15 19 00-0113 EA 2-3/4" Diameter x 42" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	151.44	
For Galvanized, Add	57.74	
For Stainless Steel, Add	404.15	
For >10 To 50, Deduct	-1.80	
For >50 To 100, Deduct	-6.48	
For >100, Deduct	-12.97	
03 15 19 00-0114 EA 2-3/4" Diameter x 48" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	162.09	
For Galvanized, Add	61.06	
For Stainless Steel, Add	427.42	
For >10 To 50, Deduct	-2.00	
For >50 To 100, Deduct	-7.05	
For >100, Deduct	-14.10	
03 15 19 00-0115 EA 2-3/4" Diameter x 54" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	176.51	
For Galvanized, Add	65.78	
For Stainless Steel, Add	460.43	
For >10 To 50, Deduct	-2.25	
For >50 To 100, Deduct	-7.78	
For >100, Deduct	-15.57	
03 15 19 00-0116 EA 2-3/4" Diameter x 60" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	198.73	
For Galvanized, Add	69.39	
For Stainless Steel, Add	485.73	
For >10 To 50, Deduct	-3.00	
For >50 To 100, Deduct	-9.46	
For >100, Deduct	-18.93	

03 20 Concrete Reinforcing (03)

Note: Includes cutting or torching to size, bending where necessary and tie wires.

03 21 Reinforcement Bars (03 20)

Note: Includes cutting, bending, tie wire, tying, bar chairs and all non-mechanical splicing. The weights of reinforcing steel shall be used as follows: #2 - 0.167 Lbs./LF, #3 - 0.376 Lbs./LF, #4 - 0.668 Lbs./LF, #5 - 1.043 Lbs./LF, #6 - 1.502 Lbs./LF, #7 - 2.044 Lbs./LF, #8 - 2.670 Lbs./LF, #9 - 3.400 Lbs./LF, #10 - 4.303 Lbs./LF, #11 - 5.313 Lbs./LF, #14 - 7.650 Lbs./LF, #18 - 13.600 Lbs./LF.

03 21 11 Plain Steel Reinforcement Bars (03 21)

03 21 11 00-0001 Beams And Girders, Steel Reinforcement Bar (03 21 11)

Note: ASTM A-615 Plain Steel and A-706 Low Alloy Steel.

03 21 11 00-0002 LF #3, Grade 40, Beams And Girders, Steel Reinforcement Bar	0.51	
03 21 11 00-0003 LF #4, Grade 40, Beams And Girders, Steel Reinforcement Bar	0.85	
03 21 11 00-0004 LF #5, Grade 40, Beams And Girders, Steel Reinforcement Bar	1.27	
03 21 11 00-0005 LF #6, Grade 40, Beams And Girders, Steel Reinforcement Bar	1.73	
03 21 11 00-0006 LF #3, Grade 50, Beams And Girders, Steel Reinforcement Bar	0.52	
03 21 11 00-0007 LF #4, Grade 50, Beams And Girders, Steel Reinforcement Bar	0.87	
03 21 11 00-0008 LF #5, Grade 50, Beams And Girders, Steel Reinforcement Bar	1.30	
03 21 11 00-0009 LF #6, Grade 50, Beams And Girders, Steel Reinforcement Bar	1.77	
03 21 11 00-0010 LF #3, Grade 60, Beams And Girders, Steel Reinforcement Bar	0.53	
03 21 11 00-0011 LF #4, Grade 60, Beams And Girders, Steel Reinforcement Bar	0.89	
03 21 11 00-0012 LF #5, Grade 60, Beams And Girders, Steel Reinforcement Bar	1.34	
03 21 11 00-0013 LF #6, Grade 60, Beams And Girders, Steel Reinforcement Bar	1.82	
03 21 11 00-0014 LF #7, Grade 60, Beams And Girders, Steel Reinforcement Bar	2.37	
03 21 11 00-0015 LF #8, Grade 60, Beams And Girders, Steel Reinforcement Bar	2.93	
03 21 11 00-0016 LF #9, Grade 60, Beams And Girders, Steel Reinforcement Bar	3.57	
03 21 11 00-0017 LF #10, Grade 60, Beams And Girders, Steel Reinforcement Bar	4.34	
03 21 11 00-0018 LF #11, Grade 60, Beams And Girders, Steel Reinforcement Bar	5.13	
03 21 11 00-0019 LF #14, Grade 60, Beams And Girders, Steel Reinforcement Bar	7.06	
03 21 11 00-0020 LF #18, Grade 60, Beams And Girders, Steel Reinforcement Bar	11.98	
03 21 11 00-0021 LF #6, Grade 75, Beams And Girders, Steel Reinforcement Bar	1.88	
03 21 11 00-0022 LF #7, Grade 75, Beams And Girders, Steel Reinforcement Bar	2.44	
03 21 11 00-0023 LF #8, Grade 75, Beams And Girders, Steel Reinforcement Bar	3.02	
03 21 11 00-0024 LF #9, Grade 75, Beams And Girders, Steel Reinforcement Bar	3.70	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 21 11 00-0025 LF #10, Grade 75, Beams And Girders, Steel Reinforcement Bar.....	4.50	
03 21 11 00-0026 LF #11, Grade 75, Beams And Girders, Steel Reinforcement Bar.....	5.32	
03 21 11 00-0027 LF #14, Grade 75, Beams And Girders, Steel Reinforcement Bar.....	7.33	
03 21 11 00-0028 LF #18, Grade 75, Beams And Girders, Steel Reinforcement Bar.....	12.47	
03 21 11 00-0029 LF #3, Grade 60, Beams And Girders, Low Alloy Steel Reinforcement Bar.....	0.54	
03 21 11 00-0030 LF #4, Grade 60, Beams And Girders, Low Alloy Steel Reinforcement Bar.....	0.91	
03 21 11 00-0031 LF #5, Grade 60, Beams And Girders, Low Alloy Steel Reinforcement Bar.....	1.36	
03 21 11 00-0032 LF #6, Grade 60, Beams And Girders, Low Alloy Steel Reinforcement Bar.....	1.87	
03 21 11 00-0033 LF #7, Grade 60, Beams And Girders, Low Alloy Steel Reinforcement Bar.....	2.42	
03 21 11 00-0034 LF #8, Grade 60, Beams And Girders, Low Alloy Steel Reinforcement Bar.....	3.00	
03 21 11 00-0035 LF #9, Grade 60, Beams And Girders, Low Alloy Steel Reinforcement Bar.....	3.67	
03 21 11 00-0036 LF #10, Grade 60, Beams And Girders, Low Alloy Steel Reinforcement Bar.....	4.46	
03 21 11 00-0037 LF #11, Grade 60, Beams And Girders, Low Alloy Steel Reinforcement Bar.....	5.28	
03 21 11 00-0038 LF #14, Grade 60, Beams And Girders, Low Alloy Steel Reinforcement Bar.....	7.27	
03 21 11 00-0039 LF #18, Grade 60, Beams And Girders, Low Alloy Steel Reinforcement Bar.....	12.34	

03 21 11 00-0040 Columns, Steel Reinforcement Bar (03 21 11)
 Note: ASTM A-615 Plain Steel and A-706 Low Alloy Steel.

03 21 11 00-0041 LF #3, Grade 40, Columns, Steel Reinforcement Bar.....	0.53	
03 21 11 00-0042 LF #4, Grade 40, Columns, Steel Reinforcement Bar.....	0.91	
03 21 11 00-0043 LF #5, Grade 40, Columns, Steel Reinforcement Bar.....	1.34	
03 21 11 00-0044 LF #6, Grade 40, Columns, Steel Reinforcement Bar.....	1.83	
03 21 11 00-0045 LF #3, Grade 50, Columns, Steel Reinforcement Bar.....	0.54	
03 21 11 00-0046 LF #4, Grade 50, Columns, Steel Reinforcement Bar.....	0.93	
03 21 11 00-0047 LF #5, Grade 50, Columns, Steel Reinforcement Bar.....	1.37	
03 21 11 00-0048 LF #6, Grade 50, Columns, Steel Reinforcement Bar.....	1.87	
03 21 11 00-0049 LF #3, Grade 60, Columns, Steel Reinforcement Bar.....	0.55	
03 21 11 00-0050 LF #4, Grade 60, Columns, Steel Reinforcement Bar.....	0.95	
03 21 11 00-0051 LF #5, Grade 60, Columns, Steel Reinforcement Bar.....	1.41	
03 21 11 00-0052 LF #6, Grade 60, Columns, Steel Reinforcement Bar.....	1.92	
03 21 11 00-0053 LF #7, Grade 60, Columns, Steel Reinforcement Bar.....	2.49	
03 21 11 00-0054 LF #8, Grade 60, Columns, Steel Reinforcement Bar.....	3.07	
03 21 11 00-0055 LF #9, Grade 60, Columns, Steel Reinforcement Bar.....	3.74	
03 21 11 00-0056 LF #10, Grade 60, Columns, Steel Reinforcement Bar.....	4.53	
03 21 11 00-0057 LF #11, Grade 60, Columns, Steel Reinforcement Bar.....	5.35	
03 21 11 00-0058 LF #14, Grade 60, Columns, Steel Reinforcement Bar.....	7.35	
03 21 11 00-0059 LF #18, Grade 60, Columns, Steel Reinforcement Bar.....	12.44	
03 21 11 00-0060 LF #6, Grade 75, Columns, Steel Reinforcement Bar.....	1.98	
03 21 11 00-0061 LF #7, Grade 75, Columns, Steel Reinforcement Bar.....	2.56	
03 21 11 00-0062 LF #8, Grade 75, Columns, Steel Reinforcement Bar.....	3.16	
03 21 11 00-0063 LF #9, Grade 75, Columns, Steel Reinforcement Bar.....	3.87	
03 21 11 00-0064 LF #10, Grade 75, Columns, Steel Reinforcement Bar.....	4.69	
03 21 11 00-0065 LF #11, Grade 75, Columns, Steel Reinforcement Bar.....	5.54	
03 21 11 00-0066 LF #14, Grade 75, Columns, Steel Reinforcement Bar.....	7.62	
03 21 11 00-0067 LF #18, Grade 75, Columns, Steel Reinforcement Bar.....	12.93	
03 21 11 00-0068 LF #3, Grade 60, Columns, Low Alloy Steel Reinforcement Bar.....	0.56	
03 21 11 00-0069 LF #4, Grade 60, Columns, Low Alloy Steel Reinforcement Bar.....	0.97	
03 21 11 00-0070 LF #5, Grade 60, Columns, Low Alloy Steel Reinforcement Bar.....	1.43	
03 21 11 00-0071 LF #6, Grade 60, Columns, Low Alloy Steel Reinforcement Bar.....	1.97	
03 21 11 00-0072 LF #7, Grade 60, Columns, Low Alloy Steel Reinforcement Bar.....	2.54	
03 21 11 00-0073 LF #8, Grade 60, Columns, Low Alloy Steel Reinforcement Bar.....	3.14	
03 21 11 00-0074 LF #9, Grade 60, Columns, Low Alloy Steel Reinforcement Bar.....	3.84	
03 21 11 00-0075 LF #10, Grade 60, Columns, Low Alloy Steel Reinforcement Bar.....	4.65	
03 21 11 00-0076 LF #11, Grade 60, Columns, Low Alloy Steel Reinforcement Bar.....	5.50	
03 21 11 00-0077 LF #14, Grade 60, Columns, Low Alloy Steel Reinforcement Bar.....	7.56	
03 21 11 00-0078 LF #18, Grade 60, Columns, Low Alloy Steel Reinforcement Bar.....	12.80	

03 21 11 00-0079 Footings, Steel Reinforcement Bar (03 21 11)
 Note: ASTM A-615 Plain Steel and A-706 Low Alloy Steel.

03 21 11 00-0080 LF #3, Grade 40, Footings, Steel Reinforcement Bar.....	0.46	
03 21 11 00-0081 LF #4, Grade 40, Footings, Steel Reinforcement Bar.....	0.77	
03 21 11 00-0082 LF #5, Grade 40, Footings, Steel Reinforcement Bar.....	1.16	
03 21 11 00-0083 LF #6, Grade 40, Footings, Steel Reinforcement Bar.....	1.58	
03 21 11 00-0084 LF #3, Grade 50, Footings, Steel Reinforcement Bar.....	0.47	
03 21 11 00-0085 LF #4, Grade 50, Footings, Steel Reinforcement Bar.....	0.79	
03 21 11 00-0086 LF #5, Grade 50, Footings, Steel Reinforcement Bar.....	1.19	
03 21 11 00-0087 LF #6, Grade 50, Footings, Steel Reinforcement Bar.....	1.62	
03 21 11 00-0088 LF #3, Grade 60, Footings, Steel Reinforcement Bar.....	0.48	
03 21 11 00-0089 LF #4, Grade 60, Footings, Steel Reinforcement Bar.....	0.81	
03 21 11 00-0090 LF #5, Grade 60, Footings, Steel Reinforcement Bar.....	1.23	
03 21 11 00-0091 LF #6, Grade 60, Footings, Steel Reinforcement Bar.....	1.67	
03 21 11 00-0092 LF #7, Grade 60, Footings, Steel Reinforcement Bar.....	2.17	
03 21 11 00-0093 LF #8, Grade 60, Footings, Steel Reinforcement Bar.....	2.71	
03 21 11 00-0094 LF #9, Grade 60, Footings, Steel Reinforcement Bar.....	3.31	
03 21 11 00-0095 LF #10, Grade 60, Footings, Steel Reinforcement Bar.....	4.03	
03 21 11 00-0096 LF #11, Grade 60, Footings, Steel Reinforcement Bar.....	4.79	
03 21 11 00-0097 LF #14, Grade 60, Footings, Steel Reinforcement Bar.....	6.63	
03 21 11 00-0098 LF #18, Grade 60, Footings, Steel Reinforcement Bar.....	11.29	
03 21 11 00-0099 LF #6, Grade 75, Footings, Steel Reinforcement Bar.....	1.73	



	MINOR		TOTAL DIRECT	DEMOLITION
	CSI UOM DESCRIPTION		UNIT COST	UNIT COST

03 21	11 00-0100	LF	#7, Grade 75, Footings, Steel Reinforcement Bar	2.24
03 21	11 00-0101	LF	#8, Grade 75, Footings, Steel Reinforcement Bar	2.80
03 21	11 00-0102	LF	#9, Grade 75, Footings, Steel Reinforcement Bar	3.44
03 21	11 00-0103	LF	#10, Grade 75, Footings, Steel Reinforcement Bar	4.19
03 21	11 00-0104	LF	#11, Grade 75, Footings, Steel Reinforcement Bar	4.98
03 21	11 00-0105	LF	#14, Grade 75, Footings, Steel Reinforcement Bar	6.90
03 21	11 00-0106	LF	#18, Grade 75, Footings, Steel Reinforcement Bar	11.78
03 21	11 00-0107	LF	#3, Grade 60, Footings, Low Alloy Steel Reinforcement Bar	0.49
03 21	11 00-0108	LF	#4, Grade 60, Footings, Low Alloy Steel Reinforcement Bar	0.83
03 21	11 00-0109	LF	#5, Grade 60, Footings, Low Alloy Steel Reinforcement Bar	1.25
03 21	11 00-0110	LF	#6, Grade 60, Footings, Low Alloy Steel Reinforcement Bar	1.72
03 21	11 00-0111	LF	#7, Grade 60, Footings, Low Alloy Steel Reinforcement Bar	2.22
03 21	11 00-0112	LF	#8, Grade 60, Footings, Low Alloy Steel Reinforcement Bar	2.78
03 21	11 00-0113	LF	#9, Grade 60, Footings, Low Alloy Steel Reinforcement Bar	3.41
03 21	11 00-0114	LF	#10, Grade 60, Footings, Low Alloy Steel Reinforcement Bar	4.15
03 21	11 00-0115	LF	#11, Grade 60, Footings, Low Alloy Steel Reinforcement Bar	4.94
03 21	11 00-0116	LF	#14, Grade 60, Footings, Low Alloy Steel Reinforcement Bar	6.84
03 21	11 00-0117	LF	#18, Grade 60, Footings, Low Alloy Steel Reinforcement Bar	11.65

03 21 11 00-0118 Slab On Grade, Steel Reinforcement Bar ^(0321 11)

Note: ASTM A-615 Plain Steel and A-706 Low Alloy Steel.

03 21	11 00-0119	LF	#3, Grade 40, Slab On Grade, Steel Reinforcement Bar	0.44
03 21	11 00-0120	LF	#4, Grade 40, Slab On Grade, Steel Reinforcement Bar	0.75
03 21	11 00-0121	LF	#5, Grade 40, Slab On Grade, Steel Reinforcement Bar	1.11
03 21	11 00-0122	LF	#6, Grade 40, Slab On Grade, Steel Reinforcement Bar	1.53
03 21	11 00-0123	LF	#3, Grade 50, Slab On Grade, Steel Reinforcement Bar	0.45
03 21	11 00-0124	LF	#4, Grade 50, Slab On Grade, Steel Reinforcement Bar	0.77
03 21	11 00-0125	LF	#5, Grade 50, Slab On Grade, Steel Reinforcement Bar	1.14
03 21	11 00-0126	LF	#6, Grade 50, Slab On Grade, Steel Reinforcement Bar	1.57
03 21	11 00-0127	LF	#3, Grade 60, Slab On Grade, Steel Reinforcement Bar	0.46
03 21	11 00-0128	LF	#4, Grade 60, Slab On Grade, Steel Reinforcement Bar	0.79
03 21	11 00-0129	LF	#5, Grade 60, Slab On Grade, Steel Reinforcement Bar	1.18
03 21	11 00-0130	LF	#6, Grade 60, Slab On Grade, Steel Reinforcement Bar	1.62
03 21	11 00-0131	LF	#7, Grade 60, Slab On Grade, Steel Reinforcement Bar	2.11
03 21	11 00-0132	LF	#8, Grade 60, Slab On Grade, Steel Reinforcement Bar	2.62
03 21	11 00-0133	LF	#9, Grade 60, Slab On Grade, Steel Reinforcement Bar	3.22
03 21	11 00-0134	LF	#10, Grade 60, Slab On Grade, Steel Reinforcement Bar	3.93
03 21	11 00-0135	LF	#11, Grade 60, Slab On Grade, Steel Reinforcement Bar	4.68
03 21	11 00-0136	LF	#14, Grade 60, Slab On Grade, Steel Reinforcement Bar	6.48
03 21	11 00-0137	LF	#18, Grade 60, Slab On Grade, Steel Reinforcement Bar	11.05
03 21	11 00-0138	LF	#6, Grade 75, Slab On Grade, Steel Reinforcement Bar	1.68
03 21	11 00-0139	LF	#7, Grade 75, Slab On Grade, Steel Reinforcement Bar	2.18
03 21	11 00-0140	LF	#8, Grade 75, Slab On Grade, Steel Reinforcement Bar	2.71
03 21	11 00-0141	LF	#9, Grade 75, Slab On Grade, Steel Reinforcement Bar	3.35
03 21	11 00-0142	LF	#10, Grade 75, Slab On Grade, Steel Reinforcement Bar	4.09
03 21	11 00-0143	LF	#11, Grade 75, Slab On Grade, Steel Reinforcement Bar	4.87
03 21	11 00-0144	LF	#14, Grade 75, Slab On Grade, Steel Reinforcement Bar	6.75
03 21	11 00-0145	LF	#18, Grade 75, Slab On Grade, Steel Reinforcement Bar	11.54
03 21	11 00-0146	LF	#3, Grade 60, Slab On Grade, Low Alloy Steel Reinforcement Bar	0.47
03 21	11 00-0147	LF	#4, Grade 60, Slab On Grade, Low Alloy Steel Reinforcement Bar	0.81
03 21	11 00-0148	LF	#5, Grade 60, Slab On Grade, Low Alloy Steel Reinforcement Bar	1.20
03 21	11 00-0149	LF	#6, Grade 60, Slab On Grade, Low Alloy Steel Reinforcement Bar	1.67
03 21	11 00-0150	LF	#7, Grade 60, Slab On Grade, Low Alloy Steel Reinforcement Bar	2.16
03 21	11 00-0151	LF	#8, Grade 60, Slab On Grade, Low Alloy Steel Reinforcement Bar	2.69
03 21	11 00-0152	LF	#9, Grade 60, Slab On Grade, Low Alloy Steel Reinforcement Bar	3.32
03 21	11 00-0153	LF	#10, Grade 60, Slab On Grade, Low Alloy Steel Reinforcement Bar	4.05
03 21	11 00-0154	LF	#11, Grade 60, Slab On Grade, Low Alloy Steel Reinforcement Bar	4.83
03 21	11 00-0155	LF	#14, Grade 60, Slab On Grade, Low Alloy Steel Reinforcement Bar	6.69
03 21	11 00-0156	LF	#18, Grade 60, Slab On Grade, Low Alloy Steel Reinforcement Bar	11.41

03 21 11 00-0157 Elevated Slabs, Steel Reinforcement Bar ^(0321 11)

Note: ASTM A-615 Plain Steel and A-706 Low Alloy Steel.

03 21	11 00-0158	LF	#3, Grade 40, Elevated Slabs, Steel Reinforcement Bar	0.41
03 21	11 00-0159	LF	#4, Grade 40, Elevated Slabs, Steel Reinforcement Bar	0.69
03 21	11 00-0160	LF	#5, Grade 40, Elevated Slabs, Steel Reinforcement Bar	1.04
03 21	11 00-0161	LF	#6, Grade 40, Elevated Slabs, Steel Reinforcement Bar	1.43
03 21	11 00-0162	LF	#3, Grade 50, Elevated Slabs, Steel Reinforcement Bar	0.42
03 21	11 00-0163	LF	#4, Grade 50, Elevated Slabs, Steel Reinforcement Bar	0.71
03 21	11 00-0164	LF	#5, Grade 50, Elevated Slabs, Steel Reinforcement Bar	1.07
03 21	11 00-0165	LF	#6, Grade 50, Elevated Slabs, Steel Reinforcement Bar	1.47
03 21	11 00-0166	LF	#3, Grade 60, Elevated Slabs, Steel Reinforcement Bar	0.43
03 21	11 00-0167	LF	#4, Grade 60, Elevated Slabs, Steel Reinforcement Bar	0.73
03 21	11 00-0168	LF	#5, Grade 60, Elevated Slabs, Steel Reinforcement Bar	1.11
03 21	11 00-0169	LF	#6, Grade 60, Elevated Slabs, Steel Reinforcement Bar	1.52
03 21	11 00-0170	LF	#7, Grade 60, Elevated Slabs, Steel Reinforcement Bar	1.99
03 21	11 00-0171	LF	#8, Grade 60, Elevated Slabs, Steel Reinforcement Bar	2.47
03 21	11 00-0172	LF	#9, Grade 60, Elevated Slabs, Steel Reinforcement Bar	3.04
03 21	11 00-0173	LF	#10, Grade 60, Elevated Slabs, Steel Reinforcement Bar	3.74
03 21	11 00-0174	LF	#11, Grade 60, Elevated Slabs, Steel Reinforcement Bar	4.46



	Concrete	03
	Concrete Reinforcing	03 20
	Reinforcement Bars	03 21

03

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 21 11 00-0175	LF		#14, Grade 60, Elevated Slabs, Steel Reinforcement Bar	6.19	
03 21 11 00-0176	LF		#18, Grade 60, Elevated Slabs, Steel Reinforcement Bar	10.60	
03 21 11 00-0177	LF		#6, Grade 75, Elevated Slabs, Steel Reinforcement Bar	1.58	
03 21 11 00-0178	LF		#7, Grade 75, Elevated Slabs, Steel Reinforcement Bar	2.06	
03 21 11 00-0179	LF		#8, Grade 75, Elevated Slabs, Steel Reinforcement Bar	2.56	
03 21 11 00-0180	LF		#9, Grade 75, Elevated Slabs, Steel Reinforcement Bar	3.17	
03 21 11 00-0181	LF		#10, Grade 75, Elevated Slabs, Steel Reinforcement Bar	3.90	
03 21 11 00-0182	LF		#11, Grade 75, Elevated Slabs, Steel Reinforcement Bar	4.65	
03 21 11 00-0183	LF		#14, Grade 75, Elevated Slabs, Steel Reinforcement Bar	6.46	
03 21 11 00-0184	LF		#18, Grade 75, Elevated Slabs, Steel Reinforcement Bar	11.09	
03 21 11 00-0185	LF		#3, Grade 60, Elevated Slabs, Low Alloy Steel Reinforcement Bar	0.44	
03 21 11 00-0186	LF		#4, Grade 60, Elevated Slabs, Low Alloy Steel Reinforcement Bar	0.75	
03 21 11 00-0187	LF		#5, Grade 60, Elevated Slabs, Low Alloy Steel Reinforcement Bar	1.13	
03 21 11 00-0188	LF		#6, Grade 60, Elevated Slabs, Low Alloy Steel Reinforcement Bar	1.57	
03 21 11 00-0189	LF		#7, Grade 60, Elevated Slabs, Low Alloy Steel Reinforcement Bar	2.04	
03 21 11 00-0190	LF		#8, Grade 60, Elevated Slabs, Low Alloy Steel Reinforcement Bar	2.54	
03 21 11 00-0191	LF		#9, Grade 60, Elevated Slabs, Low Alloy Steel Reinforcement Bar	3.14	
03 21 11 00-0192	LF		#10, Grade 60, Elevated Slabs, Low Alloy Steel Reinforcement Bar	3.86	
03 21 11 00-0193	LF		#11, Grade 60, Elevated Slabs, Low Alloy Steel Reinforcement Bar	4.61	
03 21 11 00-0194	LF		#14, Grade 60, Elevated Slabs, Low Alloy Steel Reinforcement Bar	6.40	
03 21 11 00-0195	LF		#18, Grade 60, Elevated Slabs, Low Alloy Steel Reinforcement Bar	10.96	
03 21 11 00-0196			Walls, Steel Reinforcement Bar ^(03 21 11)		
			Note: ASTM A-615 Plain Steel and A-706 Low Alloy Steel.		
03 21 11 00-0197	LF		#3, Grade 40, Walls, Steel Reinforcement Bar	0.39	
03 21 11 00-0198	LF		#4, Grade 40, Walls, Steel Reinforcement Bar	0.67	
03 21 11 00-0199	LF		#5, Grade 40, Walls, Steel Reinforcement Bar	1.00	
03 21 11 00-0200	LF		#6, Grade 40, Walls, Steel Reinforcement Bar	1.38	
03 21 11 00-0201	LF		#3, Grade 50, Walls, Steel Reinforcement Bar	0.40	
03 21 11 00-0202	LF		#4, Grade 50, Walls, Steel Reinforcement Bar	0.69	
03 21 11 00-0203	LF		#5, Grade 50, Walls, Steel Reinforcement Bar	1.03	
03 21 11 00-0204	LF		#6, Grade 50, Walls, Steel Reinforcement Bar	1.42	
03 21 11 00-0205	LF		#3, Grade 60, Walls, Steel Reinforcement Bar	0.41	
03 21 11 00-0206	LF		#4, Grade 60, Walls, Steel Reinforcement Bar	0.71	
03 21 11 00-0207	LF		#5, Grade 60, Walls, Steel Reinforcement Bar	1.07	
03 21 11 00-0208	LF		#6, Grade 60, Walls, Steel Reinforcement Bar	1.47	
03 21 11 00-0209	LF		#7, Grade 60, Walls, Steel Reinforcement Bar	1.92	
03 21 11 00-0210	LF		#8, Grade 60, Walls, Steel Reinforcement Bar	2.40	
03 21 11 00-0211	LF		#9, Grade 60, Walls, Steel Reinforcement Bar	2.96	
03 21 11 00-0212	LF		#10, Grade 60, Walls, Steel Reinforcement Bar	3.64	
03 21 11 00-0213	LF		#11, Grade 60, Walls, Steel Reinforcement Bar	4.35	
03 21 11 00-0214	LF		#14, Grade 60, Walls, Steel Reinforcement Bar	6.05	
03 21 11 00-0215	LF		#18, Grade 60, Walls, Steel Reinforcement Bar	10.37	
03 21 11 00-0216	LF		#6, Grade 75, Walls, Steel Reinforcement Bar	1.53	
03 21 11 00-0217	LF		#7, Grade 75, Walls, Steel Reinforcement Bar	1.99	
03 21 11 00-0218	LF		#8, Grade 75, Walls, Steel Reinforcement Bar	2.49	
03 21 11 00-0219	LF		#9, Grade 75, Walls, Steel Reinforcement Bar	3.09	
03 21 11 00-0220	LF		#10, Grade 75, Walls, Steel Reinforcement Bar	3.80	
03 21 11 00-0221	LF		#11, Grade 75, Walls, Steel Reinforcement Bar	4.54	
03 21 11 00-0222	LF		#14, Grade 75, Walls, Steel Reinforcement Bar	6.32	
03 21 11 00-0223	LF		#18, Grade 75, Walls, Steel Reinforcement Bar	10.86	
03 21 11 00-0224	LF		#3, Grade 60, Walls, Low Alloy Steel Reinforcement Bar	0.42	
03 21 11 00-0225	LF		#4, Grade 60, Walls, Low Alloy Steel Reinforcement Bar	0.73	
03 21 11 00-0226	LF		#5, Grade 60, Walls, Low Alloy Steel Reinforcement Bar	1.09	
03 21 11 00-0227	LF		#6, Grade 60, Walls, Low Alloy Steel Reinforcement Bar	1.52	
03 21 11 00-0228	LF		#7, Grade 60, Walls, Low Alloy Steel Reinforcement Bar	1.97	
03 21 11 00-0229	LF		#8, Grade 60, Walls, Low Alloy Steel Reinforcement Bar	2.47	
03 21 11 00-0230	LF		#9, Grade 60, Walls, Low Alloy Steel Reinforcement Bar	3.06	
03 21 11 00-0231	LF		#10, Grade 60, Walls, Low Alloy Steel Reinforcement Bar	3.76	
03 21 11 00-0232	LF		#11, Grade 60, Walls, Low Alloy Steel Reinforcement Bar	4.50	
03 21 11 00-0233	LF		#14, Grade 60, Walls, Low Alloy Steel Reinforcement Bar	6.26	
03 21 11 00-0234	LF		#18, Grade 60, Walls, Low Alloy Steel Reinforcement Bar	10.73	
03 21 11 00-0235			Mechanical Joint Connection ^(03 21 11)		
03 21 11 00-0236			Thermal Type Mechanical Joint Connection ^(03 21 11 00-0235)		
03 21 11 00-0237	EA		Thermal Type Mechanical Joint Connection, Add Per Splice	161.79	
03 21 11 00-0238			Screwed Type Mechanical Joint Connection ^(03 21 11 00-0235)		
03 21 11 00-0239	EA		Screwed Type Mechanical Joint Connection, Add Per Splice	89.25	
03 21 11 00-0240			Deformed Straight Dowels ^(03 21 11)		
			Note: Excludes drilling. See CSI section 02 41 19 13-0221 for drilling in concrete.		
03 21 11 00-0241	EA		3/8" Diameter x 24" Long, Deformed Straight Dowel	2.19	
			For Up To 12" Length, Deduct	-0.24	
			For >12" To <24" Length, Deduct	-0.12	

03	Concrete
03 20	Concrete Reinforcing
03 21	Reinforcement Bars



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 21 11 00-0242 EA 1/2" Diameter x 24" Long, Deformed Straight Dowel <i>For Up To 12" Length, Deduct</i> <i>For >12" To <24" Length, Deduct</i>	2.61 -0.32 -0.16	
03 21 11 00-0243 EA 5/8" Diameter x 24" Long, Deformed Straight Dowel <i>For Up To 12" Length, Deduct</i> <i>For >12" To <24" Length, Deduct</i>	3.16 -0.50 -0.25	
03 21 11 00-0244 EA 3/4" Diameter x 24" Long, Deformed Straight Dowel <i>For Up To 12" Length, Deduct</i> <i>For >12" To <24" Length, Deduct</i>	3.83 -0.73 -0.36	
03 21 11 00-0245 EA 7/8" Diameter x 24" Long, Deformed Straight Dowel <i>For Up To 12" Length, Deduct</i> <i>For >12" To <24" Length, Deduct</i>	4.49 -1.02 -0.51	
03 21 11 00-0246 EA 1" Diameter x 24" Long, Deformed Straight Dowel <i>For Up To 12" Length, Deduct</i> <i>For >12" To <24" Length, Deduct</i>	5.66 -1.30 -0.65	
03 21 11 00-0247 EA 1-1/8" Diameter x 24" Long, Deformed Straight Dowel <i>For Up To 12" Length, Deduct</i> <i>For >12" To <24" Length, Deduct</i>	6.66 -1.60 -0.80	
03 21 11 00-0248 EA 1-1/4" Diameter x 24" Long, Deformed Straight Dowel <i>For Up To 12" Length, Deduct</i> <i>For >12" To <24" Length, Deduct</i>	8.14 -2.10 -1.05	
03 21 11 00-0249 EA 1-3/8" Diameter x 24" Long, Deformed Straight Dowel <i>For Up To 12" Length, Deduct</i> <i>For >12" To <24" Length, Deduct</i>	9.63 -2.59 -1.29	
03 21 11 00-0250 Spirals, Reinforcing Steel <small>(03 21 11)</small>		
03 21 11 00-0251 TON Up To 15" Diameter, Grade 60, Spirals, Reinforcing Steel <i>For Grade 75, Add</i>	3,710.70 174.32	
03 21 11 00-0252 TON >15" To 24" Diameter, Grade 60, Spirals, Reinforcing Steel <i>For Grade 75, Add</i>	3,677.42 174.32	
03 21 11 00-0253 TON >24" To 36" Diameter, Grade 60, Spirals, Reinforcing Steel <i>For Grade 75, Add</i>	3,677.42 174.32	
03 21 11 00-0254 TON >36" To 48" Diameter, Grade 60, Spirals, Reinforcing Steel <i>For Grade 75, Add</i>	3,610.54 174.32	
03 21 11 00-0255 TON >48" To 64" Diameter, Grade 60, Spirals, Reinforcing Steel <i>For Grade 75, Add</i>	3,554.42 174.32	
03 21 11 00-0256 TON >64" To 84" Diameter, Grade 60, Spirals, Reinforcing Steel <i>For Grade 75, Add</i>	3,556.07 178.61	
03 21 11 00-0257 TON >84" To 96" Diameter, Grade 60, Spirals, Reinforcing Steel <i>For Grade 75, Add</i>	3,509.08 178.61	
03 21 11 00-0258 Dowel Or Hairpin, Drilled And Epoxy Into Concrete <small>(03 21 11)</small>		
03 21 11 00-0259 EA Dowels Or Hairpin, 1/2" x 30" Length, Drilled And Epoxy In Concrete, 6" Embedment	20.84	
03 21 11 00-0260 EA Dowels Or Hairpin, 1/2" x 36" Length, Drilled And Epoxy In Concrete, >6" To 12" Embedment	21.69	
03 21 11 00-0261 Accessories For Reinforcing Steel <small>(03 21 11)</small>		
03 21 11 00-0262 Reinforcing Steel Weld Splice <small>(03 21 11 00-0261)</small>		
03 21 11 00-0263 EA Up To #6 Reinforcing Steel Weld Splice	33.45	
03 21 11 00-0264 EA >#6 Reinforcing Steel Weld Splice	48.41	
03 21 11 00-0265 Reinforcing Steel Sleeve And Wedge Splice Joint <small>(03 21 11 00-0261)</small>		
03 21 11 00-0266 EA Up To #4 Reinforcing Steel, Sleeve And Wedge Splice Joint	24.82	
03 21 11 00-0267 EA #5 Reinforcing Steel, Sleeve And Wedge Splice Joint	36.21	
03 21 11 00-0268 EA #6 Reinforcing Steel, Sleeve And Wedge Splice Joint	52.20	
03 21 13 Galvanized Reinforcement Steel Bars <small>(03 21)</small>		
03 21 13 00-0001 Beams And Girders, Galvanized Steel Reinforcement Bar <small>(03 21 13)</small>		
Note: ASTM A-767 Hot Dipped Galvanized Steel.		
03 21 13 00-0002 LF #3, Grade 40, Beams And Girders, Galvanized Steel Reinforcement Bar	0.60	
03 21 13 00-0003 LF #4, Grade 40, Beams And Girders, Galvanized Steel Reinforcement Bar	1.02	
03 21 13 00-0004 LF #5, Grade 40, Beams And Girders, Galvanized Steel Reinforcement Bar	1.53	
03 21 13 00-0005 LF #6, Grade 40, Beams And Girders, Galvanized Steel Reinforcement Bar	2.10	
03 21 13 00-0006 LF #3, Grade 50, Beams And Girders, Galvanized Steel Reinforcement Bar	0.61	
03 21 13 00-0007 LF #4, Grade 50, Beams And Girders, Galvanized Steel Reinforcement Bar	1.03	
03 21 13 00-0008 LF #5, Grade 50, Beams And Girders, Galvanized Steel Reinforcement Bar	1.56	
03 21 13 00-0009 LF #6, Grade 50, Beams And Girders, Galvanized Steel Reinforcement Bar	2.14	
03 21 13 00-0010 LF #3, Grade 60, Beams And Girders, Galvanized Steel Reinforcement Bar	0.63	
03 21 13 00-0011 LF #4, Grade 60, Beams And Girders, Galvanized Steel Reinforcement Bar	1.06	
03 21 13 00-0012 LF #5, Grade 60, Beams And Girders, Galvanized Steel Reinforcement Bar	1.59	
03 21 13 00-0013 LF #6, Grade 60, Beams And Girders, Galvanized Steel Reinforcement Bar	2.20	
03 21 13 00-0014 LF #7, Grade 60, Beams And Girders, Galvanized Steel Reinforcement Bar	2.87	
03 21 13 00-0015 LF #8, Grade 60, Beams And Girders, Galvanized Steel Reinforcement Bar	3.59	
03 21 13 00-0016 LF #9, Grade 60, Beams And Girders, Galvanized Steel Reinforcement Bar	4.41	
03 21 13 00-0017 LF #10, Grade 60, Beams And Girders, Galvanized Steel Reinforcement Bar	5.41	
03 21 13 00-0018 LF #11, Grade 60, Beams And Girders, Galvanized Steel Reinforcement Bar	6.44	
03 21 13 00-0019 LF #14, Grade 60, Beams And Girders, Galvanized Steel Reinforcement Bar	8.95	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 21 13 00-0020 LF #18, Grade 60, Beams And Girders, Galvanized Steel Reinforcement Bar	15.33	
03 21 13 00-0021 LF #6, Grade 75, Beams And Girders, Galvanized Steel Reinforcement Bar	2.25	
03 21 13 00-0022 LF #7, Grade 75, Beams And Girders, Galvanized Steel Reinforcement Bar	2.95	
03 21 13 00-0023 LF #8, Grade 75, Beams And Girders, Galvanized Steel Reinforcement Bar	3.68	
03 21 13 00-0024 LF #9, Grade 75, Beams And Girders, Galvanized Steel Reinforcement Bar	4.54	
03 21 13 00-0025 LF #10, Grade 75, Beams And Girders, Galvanized Steel Reinforcement Bar	5.56	
03 21 13 00-0026 LF #11, Grade 75, Beams And Girders, Galvanized Steel Reinforcement Bar	6.63	
03 21 13 00-0027 LF #14, Grade 75, Beams And Girders, Galvanized Steel Reinforcement Bar	9.22	
03 21 13 00-0028 LF #18, Grade 75, Beams And Girders, Galvanized Steel Reinforcement Bar	15.82	
03 21 13 00-0029 Columns, Galvanized Steel Reinforcement Bar <small>(03 21 13)</small>		
Note: ASTM A-767 Hot Dipped Galvanized Steel.		
03 21 13 00-0030 LF #3, Grade 40, Columns, Galvanized Steel Reinforcement Bar	0.62	
03 21 13 00-0031 LF #4, Grade 40, Columns, Galvanized Steel Reinforcement Bar	1.08	
03 21 13 00-0032 LF #5, Grade 40, Columns, Galvanized Steel Reinforcement Bar	1.60	
03 21 13 00-0033 LF #6, Grade 40, Columns, Galvanized Steel Reinforcement Bar	2.20	
03 21 13 00-0034 LF #3, Grade 50, Columns, Galvanized Steel Reinforcement Bar	0.63	
03 21 13 00-0035 LF #4, Grade 50, Columns, Galvanized Steel Reinforcement Bar	1.09	
03 21 13 00-0036 LF #5, Grade 50, Columns, Galvanized Steel Reinforcement Bar	1.63	
03 21 13 00-0037 LF #6, Grade 50, Columns, Galvanized Steel Reinforcement Bar	2.24	
03 21 13 00-0038 LF #3, Grade 60, Columns, Galvanized Steel Reinforcement Bar	0.65	
03 21 13 00-0039 LF #4, Grade 60, Columns, Galvanized Steel Reinforcement Bar	1.12	
03 21 13 00-0040 LF #5, Grade 60, Columns, Galvanized Steel Reinforcement Bar	1.66	
03 21 13 00-0041 LF #6, Grade 60, Columns, Galvanized Steel Reinforcement Bar	2.30	
03 21 13 00-0042 LF #7, Grade 60, Columns, Galvanized Steel Reinforcement Bar	2.99	
03 21 13 00-0043 LF #8, Grade 60, Columns, Galvanized Steel Reinforcement Bar	3.73	
03 21 13 00-0044 LF #9, Grade 60, Columns, Galvanized Steel Reinforcement Bar	4.58	
03 21 13 00-0045 LF #10, Grade 60, Columns, Galvanized Steel Reinforcement Bar	5.60	
03 21 13 00-0046 LF #11, Grade 60, Columns, Galvanized Steel Reinforcement Bar	6.66	
03 21 13 00-0047 LF #14, Grade 60, Columns, Galvanized Steel Reinforcement Bar	9.24	
03 21 13 00-0048 LF #18, Grade 60, Columns, Galvanized Steel Reinforcement Bar	15.79	
03 21 13 00-0049 LF #6, Grade 75, Columns, Galvanized Steel Reinforcement Bar	2.35	
03 21 13 00-0050 LF #7, Grade 75, Columns, Galvanized Steel Reinforcement Bar	3.07	
03 21 13 00-0051 LF #8, Grade 75, Columns, Galvanized Steel Reinforcement Bar	3.82	
03 21 13 00-0052 LF #9, Grade 75, Columns, Galvanized Steel Reinforcement Bar	4.71	
03 21 13 00-0053 LF #10, Grade 75, Columns, Galvanized Steel Reinforcement Bar	5.75	
03 21 13 00-0054 LF #11, Grade 75, Columns, Galvanized Steel Reinforcement Bar	6.85	
03 21 13 00-0055 LF #14, Grade 75, Columns, Galvanized Steel Reinforcement Bar	9.51	
03 21 13 00-0056 LF #18, Grade 75, Columns, Galvanized Steel Reinforcement Bar	16.28	
03 21 13 00-0057 Footings, Galvanized Steel Reinforcement Bar <small>(03 21 13)</small>		
Note: ASTM A-767 Hot Dipped Galvanized Steel.		
03 21 13 00-0058 LF #3, Grade 40, Footings, Galvanized Steel Reinforcement Bar	0.55	
03 21 13 00-0059 LF #4, Grade 40, Footings, Galvanized Steel Reinforcement Bar	0.94	
03 21 13 00-0060 LF #5, Grade 40, Footings, Galvanized Steel Reinforcement Bar	1.42	
03 21 13 00-0061 LF #6, Grade 40, Footings, Galvanized Steel Reinforcement Bar	1.95	
03 21 13 00-0062 LF #3, Grade 50, Footings, Galvanized Steel Reinforcement Bar	0.56	
03 21 13 00-0063 LF #4, Grade 50, Footings, Galvanized Steel Reinforcement Bar	0.95	
03 21 13 00-0064 LF #5, Grade 50, Footings, Galvanized Steel Reinforcement Bar	1.45	
03 21 13 00-0065 LF #6, Grade 50, Footings, Galvanized Steel Reinforcement Bar	1.99	
03 21 13 00-0066 LF #3, Grade 60, Footings, Galvanized Steel Reinforcement Bar	0.58	
03 21 13 00-0067 LF #4, Grade 60, Footings, Galvanized Steel Reinforcement Bar	0.98	
03 21 13 00-0068 LF #5, Grade 60, Footings, Galvanized Steel Reinforcement Bar	1.48	
03 21 13 00-0069 LF #6, Grade 60, Footings, Galvanized Steel Reinforcement Bar	2.05	
03 21 13 00-0070 LF #7, Grade 60, Footings, Galvanized Steel Reinforcement Bar	2.67	
03 21 13 00-0071 LF #8, Grade 60, Footings, Galvanized Steel Reinforcement Bar	3.37	
03 21 13 00-0072 LF #9, Grade 60, Footings, Galvanized Steel Reinforcement Bar	4.15	
03 21 13 00-0073 LF #10, Grade 60, Footings, Galvanized Steel Reinforcement Bar	5.10	
03 21 13 00-0074 LF #11, Grade 60, Footings, Galvanized Steel Reinforcement Bar	6.10	
03 21 13 00-0075 LF #14, Grade 60, Footings, Galvanized Steel Reinforcement Bar	8.52	
03 21 13 00-0076 LF #18, Grade 60, Footings, Galvanized Steel Reinforcement Bar	14.64	
03 21 13 00-0077 LF #6, Grade 75, Footings, Galvanized Steel Reinforcement Bar	2.10	
03 21 13 00-0078 LF #7, Grade 75, Footings, Galvanized Steel Reinforcement Bar	2.75	
03 21 13 00-0079 LF #8, Grade 75, Footings, Galvanized Steel Reinforcement Bar	3.46	
03 21 13 00-0080 LF #9, Grade 75, Footings, Galvanized Steel Reinforcement Bar	4.28	
03 21 13 00-0081 LF #10, Grade 75, Footings, Galvanized Steel Reinforcement Bar	5.25	
03 21 13 00-0082 LF #11, Grade 75, Footings, Galvanized Steel Reinforcement Bar	6.29	
03 21 13 00-0083 LF #14, Grade 75, Footings, Galvanized Steel Reinforcement Bar	8.79	
03 21 13 00-0084 LF #18, Grade 75, Footings, Galvanized Steel Reinforcement Bar	15.13	
03 21 13 00-0085 Slab On Grade, Galvanized Steel Reinforcement Bar <small>(03 21 13)</small>		
Note: ASTM A-767 Hot Dipped Galvanized Steel.		
03 21 13 00-0086 LF #3, Grade 40, Slab On Grade, Galvanized Steel Reinforcement Bar	0.53	
03 21 13 00-0087 LF #4, Grade 40, Slab On Grade, Galvanized Steel Reinforcement Bar	0.92	
03 21 13 00-0088 LF #5, Grade 40, Slab On Grade, Galvanized Steel Reinforcement Bar	1.37	
03 21 13 00-0089 LF #6, Grade 40, Slab On Grade, Galvanized Steel Reinforcement Bar	1.90	
03 21 13 00-0090 LF #3, Grade 50, Slab On Grade, Galvanized Steel Reinforcement Bar	0.54	
03 21 13 00-0091 LF #4, Grade 50, Slab On Grade, Galvanized Steel Reinforcement Bar	0.93	



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

03 21 13 00-0092	LF	#5, Grade 50, Slab On Grade, Galvanized Steel Reinforcement Bar	1.40	
03 21 13 00-0093	LF	#6, Grade 50, Slab On Grade, Galvanized Steel Reinforcement Bar	1.94	
03 21 13 00-0094	LF	#3, Grade 60, Slab On Grade, Galvanized Steel Reinforcement Bar	0.56	
03 21 13 00-0095	LF	#4, Grade 60, Slab On Grade, Galvanized Steel Reinforcement Bar	0.96	
03 21 13 00-0096	LF	#5, Grade 60, Slab On Grade, Galvanized Steel Reinforcement Bar	1.43	
03 21 13 00-0097	LF	#6, Grade 60, Slab On Grade, Galvanized Steel Reinforcement Bar	2.00	
03 21 13 00-0098	LF	#7, Grade 60, Slab On Grade, Galvanized Steel Reinforcement Bar	2.61	
03 21 13 00-0099	LF	#8, Grade 60, Slab On Grade, Galvanized Steel Reinforcement Bar	3.28	
03 21 13 00-0100	LF	#9, Grade 60, Slab On Grade, Galvanized Steel Reinforcement Bar	4.06	
03 21 13 00-0101	LF	#10, Grade 60, Slab On Grade, Galvanized Steel Reinforcement Bar	5.00	
03 21 13 00-0102	LF	#11, Grade 60, Slab On Grade, Galvanized Steel Reinforcement Bar	5.99	
03 21 13 00-0103	LF	#14, Grade 60, Slab On Grade, Galvanized Steel Reinforcement Bar	8.37	
03 21 13 00-0104	LF	#18, Grade 60, Slab On Grade, Galvanized Steel Reinforcement Bar	14.40	
03 21 13 00-0105	LF	#6, Grade 75, Slab On Grade, Galvanized Steel Reinforcement Bar	2.05	
03 21 13 00-0106	LF	#7, Grade 75, Slab On Grade, Galvanized Steel Reinforcement Bar	2.69	
03 21 13 00-0107	LF	#8, Grade 75, Slab On Grade, Galvanized Steel Reinforcement Bar	3.37	
03 21 13 00-0108	LF	#9, Grade 75, Slab On Grade, Galvanized Steel Reinforcement Bar	4.19	
03 21 13 00-0109	LF	#10, Grade 75, Slab On Grade, Galvanized Steel Reinforcement Bar	5.15	
03 21 13 00-0110	LF	#11, Grade 75, Slab On Grade, Galvanized Steel Reinforcement Bar	6.18	
03 21 13 00-0111	LF	#14, Grade 75, Slab On Grade, Galvanized Steel Reinforcement Bar	8.64	
03 21 13 00-0112	LF	#18, Grade 75, Slab On Grade, Galvanized Steel Reinforcement Bar	14.89	

03 21 13 00-0113 Elevated Slabs, Galvanized Steel Reinforcement Bar (03 21 13)

Note: ASTM A-767 Hot Dipped Galvanized Steel.

03 21 13 00-0114	LF	#3, Grade 40, Elevated Slabs, Galvanized Steel Reinforcement Bar	0.50	
03 21 13 00-0115	LF	#4, Grade 40, Elevated Slabs, Galvanized Steel Reinforcement Bar	0.86	
03 21 13 00-0116	LF	#5, Grade 40, Elevated Slabs, Galvanized Steel Reinforcement Bar	1.30	
03 21 13 00-0117	LF	#6, Grade 40, Elevated Slabs, Galvanized Steel Reinforcement Bar	1.80	
03 21 13 00-0118	LF	#3, Grade 50, Elevated Slabs, Galvanized Steel Reinforcement Bar	0.51	
03 21 13 00-0119	LF	#4, Grade 50, Elevated Slabs, Galvanized Steel Reinforcement Bar	0.87	
03 21 13 00-0120	LF	#5, Grade 50, Elevated Slabs, Galvanized Steel Reinforcement Bar	1.33	
03 21 13 00-0121	LF	#6, Grade 50, Elevated Slabs, Galvanized Steel Reinforcement Bar	1.84	
03 21 13 00-0122	LF	#3, Grade 60, Elevated Slabs, Galvanized Steel Reinforcement Bar	0.53	
03 21 13 00-0123	LF	#4, Grade 60, Elevated Slabs, Galvanized Steel Reinforcement Bar	0.90	
03 21 13 00-0124	LF	#5, Grade 60, Elevated Slabs, Galvanized Steel Reinforcement Bar	1.36	
03 21 13 00-0125	LF	#6, Grade 60, Elevated Slabs, Galvanized Steel Reinforcement Bar	1.90	
03 21 13 00-0126	LF	#7, Grade 60, Elevated Slabs, Galvanized Steel Reinforcement Bar	2.49	
03 21 13 00-0127	LF	#8, Grade 60, Elevated Slabs, Galvanized Steel Reinforcement Bar	3.13	
03 21 13 00-0128	LF	#9, Grade 60, Elevated Slabs, Galvanized Steel Reinforcement Bar	3.88	
03 21 13 00-0129	LF	#10, Grade 60, Elevated Slabs, Galvanized Steel Reinforcement Bar	4.81	
03 21 13 00-0130	LF	#11, Grade 60, Elevated Slabs, Galvanized Steel Reinforcement Bar	5.77	
03 21 13 00-0131	LF	#14, Grade 60, Elevated Slabs, Galvanized Steel Reinforcement Bar	8.08	
03 21 13 00-0132	LF	#18, Grade 60, Elevated Slabs, Galvanized Steel Reinforcement Bar	13.95	
03 21 13 00-0133	LF	#6, Grade 75, Elevated Slabs, Galvanized Steel Reinforcement Bar	1.95	
03 21 13 00-0134	LF	#7, Grade 75, Elevated Slabs, Galvanized Steel Reinforcement Bar	2.57	
03 21 13 00-0135	LF	#8, Grade 75, Elevated Slabs, Galvanized Steel Reinforcement Bar	3.22	
03 21 13 00-0136	LF	#9, Grade 75, Elevated Slabs, Galvanized Steel Reinforcement Bar	4.01	
03 21 13 00-0137	LF	#10, Grade 75, Elevated Slabs, Galvanized Steel Reinforcement Bar	4.96	
03 21 13 00-0138	LF	#11, Grade 75, Elevated Slabs, Galvanized Steel Reinforcement Bar	5.96	
03 21 13 00-0139	LF	#14, Grade 75, Elevated Slabs, Galvanized Steel Reinforcement Bar	8.35	
03 21 13 00-0140	LF	#18, Grade 75, Elevated Slabs, Galvanized Steel Reinforcement Bar	14.44	

03 21 13 00-0141 Walls, Galvanized Steel Reinforcement Bar (03 21 13)

Note: ASTM A-767 Hot Dipped Galvanized Steel.

03 21 13 00-0142	LF	#3, Grade 40, Walls, Galvanized Steel Reinforcement Bar	0.48	
03 21 13 00-0143	LF	#4, Grade 40, Walls, Galvanized Steel Reinforcement Bar	0.84	
03 21 13 00-0144	LF	#5, Grade 40, Walls, Galvanized Steel Reinforcement Bar	1.26	
03 21 13 00-0145	LF	#6, Grade 40, Walls, Galvanized Steel Reinforcement Bar	1.75	
03 21 13 00-0146	LF	#3, Grade 50, Walls, Galvanized Steel Reinforcement Bar	0.49	
03 21 13 00-0147	LF	#4, Grade 50, Walls, Galvanized Steel Reinforcement Bar	0.85	
03 21 13 00-0148	LF	#5, Grade 50, Walls, Galvanized Steel Reinforcement Bar	1.29	
03 21 13 00-0149	LF	#6, Grade 50, Walls, Galvanized Steel Reinforcement Bar	1.79	
03 21 13 00-0150	LF	#3, Grade 60, Walls, Galvanized Steel Reinforcement Bar	0.51	
03 21 13 00-0151	LF	#4, Grade 60, Walls, Galvanized Steel Reinforcement Bar	0.88	
03 21 13 00-0152	LF	#5, Grade 60, Walls, Galvanized Steel Reinforcement Bar	1.32	
03 21 13 00-0153	LF	#6, Grade 60, Walls, Galvanized Steel Reinforcement Bar	1.85	
03 21 13 00-0154	LF	#7, Grade 60, Walls, Galvanized Steel Reinforcement Bar	2.42	
03 21 13 00-0155	LF	#8, Grade 60, Walls, Galvanized Steel Reinforcement Bar	3.06	
03 21 13 00-0156	LF	#9, Grade 60, Walls, Galvanized Steel Reinforcement Bar	3.80	
03 21 13 00-0157	LF	#10, Grade 60, Walls, Galvanized Steel Reinforcement Bar	4.71	
03 21 13 00-0158	LF	#11, Grade 60, Walls, Galvanized Steel Reinforcement Bar	5.66	
03 21 13 00-0159	LF	#14, Grade 60, Walls, Galvanized Steel Reinforcement Bar	7.94	
03 21 13 00-0160	LF	#18, Grade 60, Walls, Galvanized Steel Reinforcement Bar	13.72	
03 21 13 00-0161	LF	#6, Grade 75, Walls, Galvanized Steel Reinforcement Bar	1.90	
03 21 13 00-0162	LF	#7, Grade 75, Walls, Galvanized Steel Reinforcement Bar	2.50	
03 21 13 00-0163	LF	#8, Grade 75, Walls, Galvanized Steel Reinforcement Bar	3.15	
03 21 13 00-0164	LF	#9, Grade 75, Walls, Galvanized Steel Reinforcement Bar	3.93	
03 21 13 00-0165	LF	#10, Grade 75, Walls, Galvanized Steel Reinforcement Bar	4.86	
03 21 13 00-0166	LF	#11, Grade 75, Walls, Galvanized Steel Reinforcement Bar	5.85	



Concrete	03	CS
Concrete Reinforcing	03 20	
Reinforcement Bars	03 21	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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03 21 13 00-0167	LF	#14, Grade 75, Walls, Galvanized Steel Reinforcement Bar	8.21	
03 21 13 00-0168	LF	#18, Grade 75, Walls, Galvanized Steel Reinforcement Bar	14.21	

03 21 16 Epoxy-Coated Reinforcement Steel Bars (03 21)

03 21 16 00-0001 Beams And Girders, Epoxy Coated Steel Reinforcement Bar (03 21 16)

Note: ASTM A-775 Epoxy Coated Steel.

03 21 16 00-0002	LF	#3, Grade 40, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	0.59
03 21 16 00-0003	LF	#4, Grade 40, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	1.00
03 21 16 00-0004	LF	#5, Grade 40, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	1.50
03 21 16 00-0005	LF	#6, Grade 40, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	2.06
03 21 16 00-0006	LF	#3, Grade 50, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	0.60
03 21 16 00-0007	LF	#4, Grade 50, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	1.01
03 21 16 00-0008	LF	#5, Grade 50, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	1.53
03 21 16 00-0009	LF	#6, Grade 50, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	2.10
03 21 16 00-0010	LF	#3, Grade 60, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	0.62
03 21 16 00-0011	LF	#4, Grade 60, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	1.04
03 21 16 00-0012	LF	#5, Grade 60, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	1.57
03 21 16 00-0013	LF	#6, Grade 60, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	2.15
03 21 16 00-0014	LF	#7, Grade 60, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	2.82
03 21 16 00-0015	LF	#8, Grade 60, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	3.52
03 21 16 00-0016	LF	#9, Grade 60, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	4.32
03 21 16 00-0017	LF	#10, Grade 60, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	5.29
03 21 16 00-0018	LF	#11, Grade 60, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	6.30
03 21 16 00-0019	LF	#14, Grade 60, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	8.74
03 21 16 00-0020	LF	#18, Grade 60, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	14.97
03 21 16 00-0021	LF	#6, Grade 75, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	2.21
03 21 16 00-0022	LF	#7, Grade 75, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	2.89
03 21 16 00-0023	LF	#8, Grade 75, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	3.61
03 21 16 00-0024	LF	#9, Grade 75, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	4.44
03 21 16 00-0025	LF	#10, Grade 75, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	5.44
03 21 16 00-0026	LF	#11, Grade 75, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	6.49
03 21 16 00-0027	LF	#14, Grade 75, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	9.02
03 21 16 00-0028	LF	#18, Grade 75, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	15.46

03 21 16 00-0029 Columns, Epoxy Coated Steel Reinforcement Bar (03 21 16)

Note: ASTM A-775 Epoxy Coated Steel.

03 21 16 00-0030	LF	#3, Grade 40, Columns, Epoxy Coated Steel Reinforcement Bar	0.61
03 21 16 00-0031	LF	#4, Grade 40, Columns, Epoxy Coated Steel Reinforcement Bar	1.06
03 21 16 00-0032	LF	#5, Grade 40, Columns, Epoxy Coated Steel Reinforcement Bar	1.57
03 21 16 00-0033	LF	#6, Grade 40, Columns, Epoxy Coated Steel Reinforcement Bar	2.16
03 21 16 00-0034	LF	#3, Grade 50, Columns, Epoxy Coated Steel Reinforcement Bar	0.62
03 21 16 00-0035	LF	#4, Grade 50, Columns, Epoxy Coated Steel Reinforcement Bar	1.07
03 21 16 00-0036	LF	#5, Grade 50, Columns, Epoxy Coated Steel Reinforcement Bar	1.60
03 21 16 00-0037	LF	#6, Grade 50, Columns, Epoxy Coated Steel Reinforcement Bar	2.20
03 21 16 00-0038	LF	#3, Grade 60, Columns, Epoxy Coated Steel Reinforcement Bar	0.64
03 21 16 00-0039	LF	#4, Grade 60, Columns, Epoxy Coated Steel Reinforcement Bar	1.10
03 21 16 00-0040	LF	#5, Grade 60, Columns, Epoxy Coated Steel Reinforcement Bar	1.64
03 21 16 00-0041	LF	#6, Grade 60, Columns, Epoxy Coated Steel Reinforcement Bar	2.25
03 21 16 00-0042	LF	#7, Grade 60, Columns, Epoxy Coated Steel Reinforcement Bar	2.94
03 21 16 00-0043	LF	#8, Grade 60, Columns, Epoxy Coated Steel Reinforcement Bar	3.66
03 21 16 00-0044	LF	#9, Grade 60, Columns, Epoxy Coated Steel Reinforcement Bar	4.49
03 21 16 00-0045	LF	#10, Grade 60, Columns, Epoxy Coated Steel Reinforcement Bar	5.48
03 21 16 00-0046	LF	#11, Grade 60, Columns, Epoxy Coated Steel Reinforcement Bar	6.52
03 21 16 00-0047	LF	#14, Grade 60, Columns, Epoxy Coated Steel Reinforcement Bar	9.03
03 21 16 00-0048	LF	#18, Grade 60, Columns, Epoxy Coated Steel Reinforcement Bar	15.43
03 21 16 00-0049	LF	#6, Grade 75, Columns, Epoxy Coated Steel Reinforcement Bar	2.31
03 21 16 00-0050	LF	#7, Grade 75, Columns, Epoxy Coated Steel Reinforcement Bar	3.01
03 21 16 00-0051	LF	#8, Grade 75, Columns, Epoxy Coated Steel Reinforcement Bar	3.75
03 21 16 00-0052	LF	#9, Grade 75, Columns, Epoxy Coated Steel Reinforcement Bar	4.61
03 21 16 00-0053	LF	#10, Grade 75, Columns, Epoxy Coated Steel Reinforcement Bar	5.63
03 21 16 00-0054	LF	#11, Grade 75, Columns, Epoxy Coated Steel Reinforcement Bar	6.71
03 21 16 00-0055	LF	#14, Grade 75, Columns, Epoxy Coated Steel Reinforcement Bar	9.31
03 21 16 00-0056	LF	#18, Grade 75, Columns, Epoxy Coated Steel Reinforcement Bar	15.92

03 21 16 00-0057 Footings, Epoxy Coated Steel Reinforcement Bar (03 21 16)

Note: ASTM A-775 Epoxy Coated Steel.

03 21 16 00-0058	LF	#3, Grade 40, Footings, Epoxy Coated Steel Reinforcement Bar	0.54
03 21 16 00-0059	LF	#4, Grade 40, Footings, Epoxy Coated Steel Reinforcement Bar	0.92
03 21 16 00-0060	LF	#5, Grade 40, Footings, Epoxy Coated Steel Reinforcement Bar	1.39
03 21 16 00-0061	LF	#6, Grade 40, Footings, Epoxy Coated Steel Reinforcement Bar	1.91
03 21 16 00-0062	LF	#3, Grade 50, Footings, Epoxy Coated Steel Reinforcement Bar	0.55
03 21 16 00-0063	LF	#4, Grade 50, Footings, Epoxy Coated Steel Reinforcement Bar	0.93
03 21 16 00-0064	LF	#5, Grade 50, Footings, Epoxy Coated Steel Reinforcement Bar	1.42
03 21 16 00-0065	LF	#6, Grade 50, Footings, Epoxy Coated Steel Reinforcement Bar	1.95
03 21 16 00-0066	LF	#3, Grade 60, Footings, Epoxy Coated Steel Reinforcement Bar	0.57
03 21 16 00-0067	LF	#4, Grade 60, Footings, Epoxy Coated Steel Reinforcement Bar	0.96
03 21 16 00-0068	LF	#5, Grade 60, Footings, Epoxy Coated Steel Reinforcement Bar	1.46
03 21 16 00-0069	LF	#6, Grade 60, Footings, Epoxy Coated Steel Reinforcement Bar	2.00

03	Concrete
03 20	Concrete Reinforcing
03 21	Reinforcement Bars



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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03 21 16 00-0070	LF	#7, Grade 60, Footings, Epoxy Coated Steel Reinforcement Bar	2.62	
03 21 16 00-0071	LF	#8, Grade 60, Footings, Epoxy Coated Steel Reinforcement Bar	.....	3.30	
03 21 16 00-0072	LF	#9, Grade 60, Footings, Epoxy Coated Steel Reinforcement Bar	.....	4.06	
03 21 16 00-0073	LF	#10, Grade 60, Footings, Epoxy Coated Steel Reinforcement Bar	.....	4.98	
03 21 16 00-0074	LF	#11, Grade 60, Footings, Epoxy Coated Steel Reinforcement Bar	.....	5.96	
03 21 16 00-0075	LF	#14, Grade 60, Footings, Epoxy Coated Steel Reinforcement Bar	.....	8.31	
03 21 16 00-0076	LF	#18, Grade 60, Footings, Epoxy Coated Steel Reinforcement Bar	.....	14.28	
03 21 16 00-0077	LF	#6, Grade 75, Footings, Epoxy Coated Steel Reinforcement Bar	.....	2.06	
03 21 16 00-0078	LF	#7, Grade 75, Footings, Epoxy Coated Steel Reinforcement Bar	.....	2.69	
03 21 16 00-0079	LF	#8, Grade 75, Footings, Epoxy Coated Steel Reinforcement Bar	.....	3.39	
03 21 16 00-0080	LF	#9, Grade 75, Footings, Epoxy Coated Steel Reinforcement Bar	.....	4.18	
03 21 16 00-0081	LF	#10, Grade 75, Footings, Epoxy Coated Steel Reinforcement Bar	.....	5.13	
03 21 16 00-0082	LF	#11, Grade 75, Footings, Epoxy Coated Steel Reinforcement Bar	.....	6.15	
03 21 16 00-0083	LF	#14, Grade 75, Footings, Epoxy Coated Steel Reinforcement Bar	.....	8.59	
03 21 16 00-0084	LF	#18, Grade 75, Footings, Epoxy Coated Steel Reinforcement Bar	.....	14.77	

03 21 16 00-0085 Slab On Grade, Epoxy Coated Steel Reinforcement Bar (03 21 16)

Note: ASTM A-775 Epoxy Coated Steel.

03 21 16 00-0086	LF	#3, Grade 40, Slab On Grade, Epoxy Coated Steel Reinforcement Bar	.....	0.52	
03 21 16 00-0087	LF	#4, Grade 40, Slab On Grade, Epoxy Coated Steel Reinforcement Bar	.....	0.90	
03 21 16 00-0088	LF	#5, Grade 40, Slab On Grade, Epoxy Coated Steel Reinforcement Bar	.....	1.34	
03 21 16 00-0089	LF	#6, Grade 40, Slab On Grade, Epoxy Coated Steel Reinforcement Bar	.....	1.86	
03 21 16 00-0090	LF	#3, Grade 50, Slab On Grade, Epoxy Coated Steel Reinforcement Bar	.....	0.53	
03 21 16 00-0091	LF	#4, Grade 50, Slab On Grade, Epoxy Coated Steel Reinforcement Bar	.....	0.91	
03 21 16 00-0092	LF	#5, Grade 50, Slab On Grade, Epoxy Coated Steel Reinforcement Bar	.....	1.37	
03 21 16 00-0093	LF	#6, Grade 50, Slab On Grade, Epoxy Coated Steel Reinforcement Bar	.....	1.90	
03 21 16 00-0094	LF	#3, Grade 60, Slab On Grade, Epoxy Coated Steel Reinforcement Bar	.....	0.55	
03 21 16 00-0095	LF	#4, Grade 60, Slab On Grade, Epoxy Coated Steel Reinforcement Bar	.....	0.94	
03 21 16 00-0096	LF	#5, Grade 60, Slab On Grade, Epoxy Coated Steel Reinforcement Bar	.....	1.41	
03 21 16 00-0097	LF	#6, Grade 60, Slab On Grade, Epoxy Coated Steel Reinforcement Bar	.....	1.95	
03 21 16 00-0098	LF	#7, Grade 60, Slab On Grade, Epoxy Coated Steel Reinforcement Bar	.....	2.56	
03 21 16 00-0099	LF	#8, Grade 60, Slab On Grade, Epoxy Coated Steel Reinforcement Bar	.....	3.21	
03 21 16 00-0100	LF	#9, Grade 60, Slab On Grade, Epoxy Coated Steel Reinforcement Bar	.....	3.97	
03 21 16 00-0101	LF	#10, Grade 60, Slab On Grade, Epoxy Coated Steel Reinforcement Bar	.....	4.88	
03 21 16 00-0102	LF	#11, Grade 60, Slab On Grade, Epoxy Coated Steel Reinforcement Bar	.....	5.85	
03 21 16 00-0103	LF	#14, Grade 60, Slab On Grade, Epoxy Coated Steel Reinforcement Bar	.....	8.16	
03 21 16 00-0104	LF	#18, Grade 60, Slab On Grade, Epoxy Coated Steel Reinforcement Bar	.....	14.04	
03 21 16 00-0105	LF	#6, Grade 75, Slab On Grade, Epoxy Coated Steel Reinforcement Bar	.....	2.01	
03 21 16 00-0106	LF	#7, Grade 75, Slab On Grade, Epoxy Coated Steel Reinforcement Bar	.....	2.63	
03 21 16 00-0107	LF	#8, Grade 75, Slab On Grade, Epoxy Coated Steel Reinforcement Bar	.....	3.30	
03 21 16 00-0108	LF	#9, Grade 75, Slab On Grade, Epoxy Coated Steel Reinforcement Bar	.....	4.09	
03 21 16 00-0109	LF	#10, Grade 75, Slab On Grade, Epoxy Coated Steel Reinforcement Bar	.....	5.03	
03 21 16 00-0110	LF	#11, Grade 75, Slab On Grade, Epoxy Coated Steel Reinforcement Bar	.....	6.04	
03 21 16 00-0111	LF	#14, Grade 75, Slab On Grade, Epoxy Coated Steel Reinforcement Bar	.....	8.44	
03 21 16 00-0112	LF	#18, Grade 75, Slab On Grade, Epoxy Coated Steel Reinforcement Bar	.....	14.53	

03 21 16 00-0113 Elevated Slabs, Epoxy Coated Steel Reinforcement Bar (03 21 16)

Note: ASTM A-775 Epoxy Coated Steel.

03 21 16 00-0114	LF	#3, Grade 40, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar	.....	0.49	
03 21 16 00-0115	LF	#4, Grade 40, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar	.....	0.84	
03 21 16 00-0116	LF	#5, Grade 40, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar	.....	1.27	
03 21 16 00-0117	LF	#6, Grade 40, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar	.....	1.76	
03 21 16 00-0118	LF	#3, Grade 50, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar	.....	0.50	
03 21 16 00-0119	LF	#4, Grade 50, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar	.....	0.85	
03 21 16 00-0120	LF	#5, Grade 50, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar	.....	1.30	
03 21 16 00-0121	LF	#6, Grade 50, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar	.....	1.80	
03 21 16 00-0122	LF	#3, Grade 60, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar	.....	0.52	
03 21 16 00-0123	LF	#4, Grade 60, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar	.....	0.88	
03 21 16 00-0124	LF	#5, Grade 60, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar	.....	1.34	
03 21 16 00-0125	LF	#6, Grade 60, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar	.....	1.85	
03 21 16 00-0126	LF	#7, Grade 60, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar	.....	2.44	
03 21 16 00-0127	LF	#8, Grade 60, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar	.....	3.06	
03 21 16 00-0128	LF	#9, Grade 60, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar	.....	3.79	
03 21 16 00-0129	LF	#10, Grade 60, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar	.....	4.69	
03 21 16 00-0130	LF	#11, Grade 60, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar	.....	5.63	
03 21 16 00-0131	LF	#14, Grade 60, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar	.....	7.87	
03 21 16 00-0132	LF	#18, Grade 60, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar	.....	13.59	
03 21 16 00-0133	LF	#6, Grade 75, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar	.....	1.91	
03 21 16 00-0134	LF	#7, Grade 75, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar	.....	2.51	
03 21 16 00-0135	LF	#8, Grade 75, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar	.....	3.15	
03 21 16 00-0136	LF	#9, Grade 75, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar	.....	3.91	
03 21 16 00-0137	LF	#10, Grade 75, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar	.....	4.84	
03 21 16 00-0138	LF	#11, Grade 75, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar	.....	5.82	
03 21 16 00-0139	LF	#14, Grade 75, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar	.....	8.15	
03 21 16 00-0140	LF	#18, Grade 75, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar	.....	14.08	

03 21 16 00-0141 Walls, Epoxy Coated Steel Reinforcement Bar (03 21 16)

Note: ASTM A-775 Epoxy Coated Steel.



Concrete	03	CS
Concrete Reinforcing	03 20	
Reinforcement Bars	03 21	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 21 16 00-0142 LF #3, Grade 40, Walls, Epoxy Coated Steel Reinforcement Bar.....	0.47	
03 21 16 00-0143 LF #4, Grade 40, Walls, Epoxy Coated Steel Reinforcement Bar.....	0.82	
03 21 16 00-0144 LF #5, Grade 40, Walls, Epoxy Coated Steel Reinforcement Bar.....	1.23	
03 21 16 00-0145 LF #6, Grade 40, Walls, Epoxy Coated Steel Reinforcement Bar.....	1.71	
03 21 16 00-0146 LF #3, Grade 50, Walls, Epoxy Coated Steel Reinforcement Bar.....	0.48	
03 21 16 00-0147 LF #4, Grade 50, Walls, Epoxy Coated Steel Reinforcement Bar.....	0.83	
03 21 16 00-0148 LF #5, Grade 50, Walls, Epoxy Coated Steel Reinforcement Bar.....	1.26	
03 21 16 00-0149 LF #6, Grade 50, Walls, Epoxy Coated Steel Reinforcement Bar.....	1.75	
03 21 16 00-0150 LF #3, Grade 60, Walls, Epoxy Coated Steel Reinforcement Bar.....	0.50	
03 21 16 00-0151 LF #4, Grade 60, Walls, Epoxy Coated Steel Reinforcement Bar.....	0.86	
03 21 16 00-0152 LF #5, Grade 60, Walls, Epoxy Coated Steel Reinforcement Bar.....	1.30	
03 21 16 00-0153 LF #6, Grade 60, Walls, Epoxy Coated Steel Reinforcement Bar.....	1.80	
03 21 16 00-0154 LF #7, Grade 60, Walls, Epoxy Coated Steel Reinforcement Bar.....	2.37	
03 21 16 00-0155 LF #8, Grade 60, Walls, Epoxy Coated Steel Reinforcement Bar.....	2.99	
03 21 16 00-0156 LF #9, Grade 60, Walls, Epoxy Coated Steel Reinforcement Bar.....	3.71	
03 21 16 00-0157 LF #10, Grade 60, Walls, Epoxy Coated Steel Reinforcement Bar.....	4.59	
03 21 16 00-0158 LF #11, Grade 60, Walls, Epoxy Coated Steel Reinforcement Bar.....	5.52	
03 21 16 00-0159 LF #14, Grade 60, Walls, Epoxy Coated Steel Reinforcement Bar.....	7.73	
03 21 16 00-0160 LF #18, Grade 60, Walls, Epoxy Coated Steel Reinforcement Bar.....	13.36	
03 21 16 00-0161 LF #6, Grade 75, Walls, Epoxy Coated Steel Reinforcement Bar.....	1.86	
03 21 16 00-0162 LF #7, Grade 75, Walls, Epoxy Coated Steel Reinforcement Bar.....	2.44	
03 21 16 00-0163 LF #8, Grade 75, Walls, Epoxy Coated Steel Reinforcement Bar.....	3.08	
03 21 16 00-0164 LF #9, Grade 75, Walls, Epoxy Coated Steel Reinforcement Bar.....	3.83	
03 21 16 00-0165 LF #10, Grade 75, Walls, Epoxy Coated Steel Reinforcement Bar.....	4.74	
03 21 16 00-0166 LF #11, Grade 75, Walls, Epoxy Coated Steel Reinforcement Bar.....	5.71	
03 21 16 00-0167 LF #14, Grade 75, Walls, Epoxy Coated Steel Reinforcement Bar.....	8.01	
03 21 16 00-0168 LF #18, Grade 75, Walls, Epoxy Coated Steel Reinforcement Bar.....	13.85	

03 21 16 00-0169 Epoxy Coated Deformed Straight Dowels (03 21 16)

Note: Excludes drilling. See CSI section 02 41 19 13-0221 for drilling in concrete.

03 21 16 00-0170 EA 3/8" Diameter x 24" Long, Epoxy Coated Deformed Straight Dowel.....	2.57	
For Up To 12" Length, Deduct	-0.34	
For >12" To <24" Length, Deduct	-0.17	
03 21 16 00-0171 EA 1/2" Diameter x 24" Long, Epoxy Coated Deformed Straight Dowel.....	3.10	
For Up To 12" Length, Deduct	-0.52	
For >12" To <24" Length, Deduct	-0.26	
03 21 16 00-0172 EA 5/8" Diameter x 24" Long, Epoxy Coated Deformed Straight Dowel.....	3.82	
For Up To 12" Length, Deduct	-0.77	
For >12" To <24" Length, Deduct	-0.38	
03 21 16 00-0173 EA 3/4" Diameter x 24" Long, Epoxy Coated Deformed Straight Dowel.....	4.56	
For Up To 12" Length, Deduct	-1.02	
For >12" To <24" Length, Deduct	-0.51	
03 21 16 00-0174 EA 7/8" Diameter x 24" Long, Epoxy Coated Deformed Straight Dowel.....	5.66	
For Up To 12" Length, Deduct	-1.39	
For >12" To <24" Length, Deduct	-0.69	
03 21 16 00-0175 EA 1" Diameter x 24" Long, Epoxy Coated Deformed Straight Dowel.....	6.68	
For Up To 12" Length, Deduct	-1.71	
For >12" To <24" Length, Deduct	-0.85	
03 21 16 00-0176 EA 1-1/8" Diameter x 24" Long, Epoxy Coated Deformed Straight Dowel.....	7.96	
For Up To 12" Length, Deduct	-2.07	
For >12" To <24" Length, Deduct	-1.03	
03 21 16 00-0177 EA 1-1/4" Diameter x 24" Long, Epoxy Coated Deformed Straight Dowel.....	9.55	
For Up To 12" Length, Deduct	-2.50	
For >12" To <24" Length, Deduct	-1.25	

03 22 Fabric And Grid Reinforcing (03 20)

03 22 11 Plain Welded Wire Fabric Reinforcing (03 22)

Note: Includes cutting, tie wire, tying, overlap, bar chairs and all non-mechanical splicing.

03 22 11 00-0001 Plain Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (03 22 11)

Note: Includes bar chairs. Under 5 tons. ASTM A-185

03 22 11 00-0002 SF 6" x 6" x #10, 21 LB/CSF, Plain Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W1.4 x W1.4).....	0.65	
For >5 Ton, Deduct	-0.10	
03 22 11 00-0003 SF 6" x 6" x #8, 30 LB/CSF, Plain Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W2.1 x W2.1).....	0.74	
For >5 Ton, Deduct	-0.11	
03 22 11 00-0004 SF 6" x 6" x #6, 42 LB/CSF, Plain Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W2.9 x W2.9).....	0.84	
For >5 Ton, Deduct	-0.12	
03 22 11 00-0005 SF 6" x 6" x #4, 58 LB/CSF, Plain Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W4.0 x W4.0).....	0.99	
For >5 Ton, Deduct	-0.14	
03 22 11 00-0006 SF 4" x 4" x #10, 31 LB/CSF, Plain Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W1.4 x W1.4).....	0.77	
For >5 Ton, Deduct	-0.11	
03 22 11 00-0007 SF 4" x 4" x #8, 44 LB/CSF, Plain Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W2.1 x W2.1).....	0.87	
For >5 Ton, Deduct	-0.13	
03 22 11 00-0008 SF 4" x 4" x #6, 62 LB/CSF, Plain Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W2.9 x W2.9).....	1.09	
For >5 Ton, Deduct	-0.15	
03 22 11 00-0009 SF 4" x 4" x #4, 85 LB/CSF, Plain Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W4.0 x W4.0).....	1.26	
For >5 Ton, Deduct	-0.17	
03 22 11 00-0010 SF 2" x 2" x #12, 37 LB/CSF, Plain Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W0.9 x W0.9).....	1.17	
For >5 Ton, Deduct	-0.15	

03	Concrete
03 20	Concrete Reinforcing
03 22	Fabric And Grid Reinforcing



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

03 22 13 Galvanized Welded Wire Fabric Reinforcing ^(03 22)

03 22 13 00-0001	Galvanized Welded Wire Fabric Reinforcing Placed In Floors Or Slabs ^(03 22 13)		
	Note: Includes bar chairs. Under 5 tons.		
03 22 13 00-0002	SF 6" x 6" x #10, 21 LB/CSF, Galvanized Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W1.4 x W1.4).....	0.72	
	For >5 Ton, Deduct		-0.11
03 22 13 00-0003	SF 6" x 6" x #8, 29 LB/CSF, Galvanized Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W2.1 x W2.1).....	0.82	
	For >5 Ton, Deduct		-0.12
03 22 13 00-0004	SF 6" x 6" x #6, 42 LB/CSF, Galvanized Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W2.9 x W2.9).....	0.95	
	For >5 Ton, Deduct		-0.14
03 22 13 00-0005	SF 6" x 6" x #4, 58 LB/CSF, Galvanized Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W4.0 x W4.0).....	1.14	
	For >5 Ton, Deduct		-0.16
03 22 13 00-0006	SF 4" x 4" x #10, 31 LB/CSF, Galvanized Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W1.4 x W1.4).....	0.87	
	For >5 Ton, Deduct		-0.12
03 22 13 00-0007	SF 4" x 4" x #8, 43 LB/CSF, Galvanized Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W2.1 x W2.1).....	0.99	
	For >5 Ton, Deduct		-0.14
03 22 13 00-0008	SF 4" x 4" x #6, 62 LB/CSF, Galvanized Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W2.9 x W2.9).....	1.28	
	For >5 Ton, Deduct		-0.17
03 22 13 00-0009	SF 4" x 4" x #4, 85 LB/CSF, Galvanized Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W4.0 x W4.0).....	1.50	
	For >5 Ton, Deduct		-0.20

03 22 13 00-0010 Galvanized Welded Wire Reinforcement Wrap Placed In Beams And Columns ^(03 22 13)

03 22 13 00-0011	SF 2" x 2" x #14, 21 LB/CSF, Galvanized Welded Wire Fabric Reinforcing Wrap Placed In Beams And Columns (W0.5 x W0.5).....	2.57	
	For >5 Ton, Deduct		-0.40

03 22 16 Epoxy-Coated Welded Wire Fabric Reinforcing ^(03 22)

03 22 16 00-0001	Epoxy Coated Welded Wire Fabric Reinforcing Placed In Floors Or Slabs ^(03 22 16)		
	Note: Includes bar chairs. Under 5 tons.		
03 22 16 00-0002	SF 6" x 6" x #10, 21 LB/CSF, Epoxy Coated Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W1.4 x W1.4).....	0.71	
	For >5 Ton, Deduct		-0.10
03 22 16 00-0003	SF 6" x 6" x #8, 29 LB/CSF, Epoxy Coated Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W2.1 x W2.1).....	0.81	
	For >5 Ton, Deduct		-0.12
03 22 16 00-0004	SF 6" x 6" x #6, 42 LB/CSF, Epoxy Coated Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W2.9 x W2.9).....	0.94	
	For >5 Ton, Deduct		-0.13
03 22 16 00-0005	SF 6" x 6" x #4, 58 LB/CSF, Epoxy Coated Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W4.0 x W4.0).....	1.12	
	For >5 Ton, Deduct		-0.16
03 22 16 00-0006	SF 4" x 4" x #10, 31 LB/CSF, Epoxy Coated Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W1.4 x W1.4).....	0.86	
	For >5 Ton, Deduct		-0.12
03 22 16 00-0007	SF 4" x 4" x #8, 43 LB/CSF, Epoxy Coated Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W2.1 x W2.1).....	0.98	
	For >5 Ton, Deduct		-0.14
03 22 16 00-0008	SF 4" x 4" x #6, 62 LB/CSF, Epoxy Coated Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W2.9 x W2.9).....	1.26	
	For >5 Ton, Deduct		-0.17
03 22 16 00-0009	SF 4" x 4" x #4, 85 LB/CSF, Epoxy Coated Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W4.0 x W4.0).....	1.47	
	For >5 Ton, Deduct		-0.19

03 22 23 Stainless Steel Welded Wire Fabric Reinforcing ^(03 22)

Note: Includes cutting, tie wire, tying, overlap, bar chairs and all non-mechanical splicing.

03 22 23 00-0001	Stainless Steel Welded Wire Fabric Reinforcing Placed In Floors Or Slabs ^(03 22 23)		
03 22 23 00-0002	SF 6" x 6" x #10, Stainless Steel Welded Wire Fabric Reinforcing Placed In Floors Or Slabs.....	1.16	
03 22 23 00-0003	SF 4" x 4" x #10, Stainless Steel Welded Wire Fabric Reinforcing Placed In Floors Or Slabs.....	1.48	

03 30 Cast-In-Place Concrete ⁽⁰³⁾

See CSI section 01 74 19 00-0038 for hauling over 15 miles.

03 31 Structural Concrete ^(03 30)

03 31 13 Heavyweight Structural Concrete ^(03 31)

Note: Includes delivery and placement of material. See CSI section 02 41 00 00-0000 for demolition, 03 05 00 00-0001 for admixtures, 03 11 00 00-0000 for forming, 03 20 00 00-0000 for reinforcing, 03 35 00 00-0000 for finishing, 03 39 00 00-0000 for curing.

03 31 13 00-0001	Concrete Assemblies ^(03 31 13)		
03 31 13 00-0002	3,000 PSI Slab On Grade Concrete Slabs Assemblies ^(03 31 13 00-0001)		
	Note: Includes forms, welded wire reinforcement (where necessary), #3-#6 reinforcing rods at 12" on center with chairs (where necessary), vapor barrier, concrete, curing, latex or hot asphalt expansion joints, control joints, screed, float, and finish for pedestrian slabs. Excludes excavation, base, earthwork, and expansion joints along existing slab. See CSI section 03 05 00 00-0001 for color additive alternative, 03 31 13 00-0088 for concrete pumping equipment.		



Concrete	03	03
Cast-In-Place Concrete	03 30	
Structural Concrete	03 31	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 31 13 00-0003 SF 4" 3,000 PSI Slab On Grade Concrete Slabs Assembly.....	6.77	
For 2,000 PSI Concrete, Deduct	-0.20	
For 2,500 PSI Concrete, Deduct	-0.10	
For 3,500 PSI Concrete, Add	0.07	
For 4,000 PSI Concrete, Add	0.23	
For Reinforcing Rods Are At 18" On Center, Deduct	-0.13	
For Reinforcing Rods Are At 24" On Center, Deduct	-0.40	
For Up To 500, Add	2.61	
For >500 To 1,000, Add	1.80	
For >1,000 To 2,000, Add	0.99	
For >2,000 To 5,000, Add	0.50	
For >10,000 To 20,000, Deduct	-0.18	
For >20,000 To 35,000, Deduct	-0.35	
For >35,000 To 50,000, Deduct	-0.52	
For >50,000 To 70,000, Deduct	-0.69	
For >70,000, Deduct	-0.86	
03 31 13 00-0004 SF 5" 3,000 PSI Slab On Grade Concrete Slabs Assembly.....	7.42	
For 2,000 PSI Concrete, Deduct	-0.22	
For 2,500 PSI Concrete, Deduct	-0.11	
For 3,500 PSI Concrete, Add	0.08	
For 4,000 PSI Concrete, Add	0.26	
For Reinforcing Rods Are At 18" On Center, Deduct	-0.13	
For Reinforcing Rods Are At 24" On Center, Deduct	-0.40	
For Up To 500, Add	2.80	
For >500 To 1,000, Add	1.93	
For >1,000 To 2,000, Add	1.07	
For >2,000 To 5,000, Add	0.54	
For >10,000 To 20,000, Deduct	-0.21	
For >20,000 To 35,000, Deduct	-0.39	
For >35,000 To 50,000, Deduct	-0.58	
For >50,000 To 70,000, Deduct	-0.76	
For >70,000, Deduct	-0.95	
03 31 13 00-0005 SF 6" 3,000 PSI Slab On Grade Concrete Slabs Assembly.....	8.34	
For 2,000 PSI Concrete, Deduct	-0.26	
For 2,500 PSI Concrete, Deduct	-0.13	
For 3,500 PSI Concrete, Add	0.09	
For 4,000 PSI Concrete, Add	0.30	
For Reinforcing Rods Are At 18" On Center, Deduct	-0.13	
For Reinforcing Rods Are At 24" On Center, Deduct	-0.40	
For Up To 500, Add	3.07	
For >500 To 1,000, Add	2.13	
For >1,000 To 2,000, Add	1.18	
For >2,000 To 5,000, Add	0.59	
For >10,000 To 20,000, Deduct	-0.24	
For >20,000 To 35,000, Deduct	-0.45	
For >35,000 To 50,000, Deduct	-0.66	
For >50,000 To 70,000, Deduct	-0.87	
For >70,000, Deduct	-1.08	
03 31 13 00-0006 SF 7" 3,000 PSI Slab On Grade Concrete Slabs Assembly.....	9.21	
For 2,000 PSI Concrete, Deduct	-0.30	
For 2,500 PSI Concrete, Deduct	-0.15	
For 3,500 PSI Concrete, Add	0.11	
For 4,000 PSI Concrete, Add	0.35	
For Reinforcing Rods Are At 18" On Center, Deduct	-0.13	
For Reinforcing Rods Are At 24" On Center, Deduct	-0.40	
For Up To 500, Add	3.30	
For >500 To 1,000, Add	2.29	
For >1,000 To 2,000, Add	1.29	
For >2,000 To 5,000, Add	0.64	
For >10,000 To 20,000, Deduct	-0.28	
For >20,000 To 35,000, Deduct	-0.51	
For >35,000 To 50,000, Deduct	-0.74	
For >50,000 To 70,000, Deduct	-0.97	
For >70,000, Deduct	-1.20	
03 31 13 00-0007 SF 8" 3,000 PSI Slab On Grade Concrete Slabs Assembly.....	9.95	
For 2,000 PSI Concrete, Deduct	-0.33	
For 2,500 PSI Concrete, Deduct	-0.17	
For 3,500 PSI Concrete, Add	0.12	
For 4,000 PSI Concrete, Add	0.39	
For Reinforcing Rods Are At 18" On Center, Deduct	-0.13	
For Reinforcing Rods Are At 24" On Center, Deduct	-0.40	
For Up To 500, Add	3.51	
For >500 To 1,000, Add	2.44	
For >1,000 To 2,000, Add	1.37	
For >2,000 To 5,000, Add	0.69	
For >10,000 To 20,000, Deduct	-0.31	
For >20,000 To 35,000, Deduct	-0.56	
For >35,000 To 50,000, Deduct	-0.81	
For >50,000 To 70,000, Deduct	-1.05	
For >70,000, Deduct	-1.30	

03	Concrete
03 30	Cast-In-Place Concrete
03 31	Structural Concrete



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 31	13 00-0008	SF	10" 3,000 PSI Slab On Grade Concrete Slabs Assembly	11.87	
			<i>For 2,000 PSI Concrete, Deduct</i>	-0.42	
			<i>For 2,500 PSI Concrete, Deduct</i>	-0.21	
			<i>For 3,500 PSI Concrete, Add</i>	0.15	
			<i>For 4,000 PSI Concrete, Add</i>	0.49	
			<i>For Reinforcing Rods Are At 18" On Center, Deduct</i>	-0.13	
			<i>For Reinforcing Rods Are At 24" On Center, Deduct</i>	-0.40	
			<i>For Up To 500, Add</i>	4.01	
			<i>For >500 To 1,000, Add</i>	2.80	
			<i>For >1,000 To 2,000, Add</i>	1.60	
			<i>For >2,000 To 5,000, Add</i>	0.80	
			<i>For >10,000 To 20,000, Deduct</i>	-0.39	
			<i>For >20,000 To 35,000, Deduct</i>	-0.69	
			<i>For >35,000 To 50,000, Deduct</i>	-0.98	
			<i>For >50,000 To 70,000, Deduct</i>	-1.28	
			<i>For >70,000, Deduct</i>	-1.58	
03 31	13 00-0009	SF	12" 3,000 PSI Slab On Grade Concrete Slabs Assembly	13.34	
			<i>For 2,000 PSI Concrete, Deduct</i>	-0.48	
			<i>For 2,500 PSI Concrete, Deduct</i>	-0.24	
			<i>For 3,500 PSI Concrete, Add</i>	0.17	
			<i>For 4,000 PSI Concrete, Add</i>	0.57	
			<i>For Reinforcing Rods Are At 18" On Center, Deduct</i>	-0.13	
			<i>For Reinforcing Rods Are At 24" On Center, Deduct</i>	-0.40	
			<i>For Up To 500, Add</i>	4.42	
			<i>For >500 To 1,000, Add</i>	3.09	
			<i>For >1,000 To 2,000, Add</i>	1.77	
			<i>For >2,000 To 5,000, Add</i>	0.89	
			<i>For >10,000 To 20,000, Deduct</i>	-0.45	
			<i>For >20,000 To 35,000, Deduct</i>	-0.78	
			<i>For >35,000 To 50,000, Deduct</i>	-1.12	
			<i>For >50,000 To 70,000, Deduct</i>	-1.45	
			<i>For >70,000, Deduct</i>	-1.78	
03 31	13 00-0010		Concrete Delivery And Placement <small>(03 31 13)</small>		
			Note: Includes cleaning out equipment and standard concrete placement tests. See CSI section 01 45 23 00-0000 for additional tests, 03 05 00 00-0001 for admixtures.		
03 31	13 00-0011		Place Concrete By Method Indicated <small>(03 31 13 00-0010)</small>		
			Note: Tasks for concrete placement "By Concrete Pump" exclude the pumping equipment. See CSI section 03 31 13 00-0088 for concrete pumping equipment.		
03 31	13 00-0012		Place Concrete Pile Caps <small>(03 31 13 00-0011)</small>		
03 31	13 00-0013	CY	Crane And Bucket, Place 3,000 PSI Concrete Pile Caps	246.69	
			<i>For 2,000 PSI Concrete, Deduct</i>	-8.11	
			<i>For 2,500 PSI Concrete, Deduct</i>	-4.05	
			<i>For 3,500 PSI Concrete, Add</i>	7.51	
			<i>For 3,750 PSI Concrete, Add</i>	10.21	
			<i>For 4,000 PSI Concrete, Add</i>	12.91	
			<i>For 4,500 PSI Concrete, Add</i>	15.02	
			<i>For 5,000 PSI Concrete, Add</i>	17.12	
			<i>For 6,000 PSI Concrete, Add</i>	40.54	
			<i>For White Cement Concrete, Add</i>	18.02	
			<i>For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add</i>	19.52	
			<i>For High Early Strength, Type 3 ASTM C150, Add</i>	15.02	
			<i>For Lightweight Aggregate, ASTM C330, Add</i>	45.05	
			<i>For Up To 20, Add</i>	38.62	
			<i>For >20 To 50, Add</i>	14.48	
			<i>For >100 To 200, Deduct</i>	-4.93	
			<i>For >200 To 400, Deduct</i>	-9.87	
			<i>For >400, Deduct</i>	-14.80	
03 31	13 00-0014	CY	Direct Chute, Place 3,000 PSI Concrete Pile Caps	195.68	
			<i>For 2,000 PSI Concrete, Deduct</i>	-8.11	
			<i>For 2,500 PSI Concrete, Deduct</i>	-4.05	
			<i>For 3,500 PSI Concrete, Add</i>	7.51	
			<i>For 3,750 PSI Concrete, Add</i>	10.21	
			<i>For 4,000 PSI Concrete, Add</i>	12.91	
			<i>For 4,500 PSI Concrete, Add</i>	15.02	
			<i>For 5,000 PSI Concrete, Add</i>	17.12	
			<i>For 6,000 PSI Concrete, Add</i>	40.54	
			<i>For White Cement Concrete, Add</i>	18.02	
			<i>For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add</i>	19.52	
			<i>For High Early Strength, Type 3 ASTM C150, Add</i>	15.02	
			<i>For Lightweight Aggregate, ASTM C330, Add</i>	45.05	
			<i>For Up To 20, Add</i>	18.21	
			<i>For >20 To 50, Add</i>	6.83	
			<i>For >100 To 200, Deduct</i>	-3.91	
			<i>For >200 To 400, Deduct</i>	-7.83	
			<i>For >400, Deduct</i>	-11.74	



Concrete	03	03
Cast-In-Place Concrete	03 30	
Structural Concrete	03 31	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 31 13 00-0015 CY Concrete Pump, Place 3,000 PSI Concrete Pile Caps	206.02	
Note: Excludes pumping equipment.		
For 2,000 PSI Concrete, Deduct	-8.78	
For 2,500 PSI Concrete, Deduct	-4.39	
For 3,500 PSI Concrete, Add	8.13	
For 3,750 PSI Concrete, Add	11.06	
For 4,000 PSI Concrete, Add	13.99	
For 4,500 PSI Concrete, Add	16.27	
For 5,000 PSI Concrete, Add	18.54	
For 6,000 PSI Concrete, Add	43.92	
For White Cement Concrete, Add	19.52	
For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	21.15	
For High Early Strength, Type 3 ASTM C150, Add	16.27	
For Lightweight Aggregate, ASTM C330, Add	48.80	
For Up To 20, Add	17.34	
For >20 To 50, Add	6.50	
For >100 To 200, Deduct	-4.12	
For >200 To 400, Deduct	-8.24	
For >400, Deduct	-12.36	
03 31 13 00-0016 Place Concrete Continuous Footings (03 31 13 00-0011)		
03 31 13 00-0017 CY Crane And Bucket, Place 3,000 PSI Concrete Continuous Footings.....	235.96	
For 2,000 PSI Concrete, Deduct	-8.11	
For 2,500 PSI Concrete, Deduct	-4.05	
For 3,500 PSI Concrete, Add	7.51	
For 3,750 PSI Concrete, Add	10.21	
For 4,000 PSI Concrete, Add	12.91	
For 4,500 PSI Concrete, Add	15.02	
For 5,000 PSI Concrete, Add	17.12	
For 6,000 PSI Concrete, Add	40.54	
For White Cement Concrete, Add	18.02	
For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	19.52	
For High Early Strength, Type 3 ASTM C150, Add	15.02	
For Lightweight Aggregate, ASTM C330, Add	45.05	
For Up To 20, Add	34.32	
For >20 To 50, Add	12.87	
For >100 To 200, Deduct	-4.72	
For >200 To 400, Deduct	-9.44	
For >400, Deduct	-14.16	
03 31 13 00-0018 CY Direct Chute, Place 3,000 PSI Concrete Continuous Footings.....	190.63	
For 2,000 PSI Concrete, Deduct	-8.11	
For 2,500 PSI Concrete, Deduct	-4.05	
For 3,500 PSI Concrete, Add	7.51	
For 3,750 PSI Concrete, Add	10.21	
For 4,000 PSI Concrete, Add	12.91	
For 4,500 PSI Concrete, Add	15.02	
For 5,000 PSI Concrete, Add	17.12	
For 6,000 PSI Concrete, Add	40.54	
For White Cement Concrete, Add	18.02	
For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	19.52	
For High Early Strength, Type 3 ASTM C150, Add	15.02	
For Lightweight Aggregate, ASTM C330, Add	45.05	
For Up To 20, Add	16.19	
For >20 To 50, Add	6.07	
For >100 To 200, Deduct	-3.81	
For >200 To 400, Deduct	-7.63	
For >400, Deduct	-11.44	
03 31 13 00-0019 CY Concrete Pump, Place 3,000 PSI Concrete Continuous Footings.....	201.21	
Note: Excludes pumping equipment.		
For 2,000 PSI Concrete, Deduct	-8.78	
For 2,500 PSI Concrete, Deduct	-4.39	
For 3,500 PSI Concrete, Add	8.13	
For 3,750 PSI Concrete, Add	11.06	
For 4,000 PSI Concrete, Add	13.99	
For 4,500 PSI Concrete, Add	16.27	
For 5,000 PSI Concrete, Add	18.54	
For 6,000 PSI Concrete, Add	43.92	
For White Cement Concrete, Add	19.52	
For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	21.15	
For High Early Strength, Type 3 ASTM C150, Add	16.27	
For Lightweight Aggregate, ASTM C330, Add	48.80	
For Up To 20, Add	15.42	
For >20 To 50, Add	5.78	
For >100 To 200, Deduct	-4.02	
For >200 To 400, Deduct	-8.05	
For >400, Deduct	-12.07	
03 31 13 00-0020 Place Concrete Spread Footings (03 31 13 00-0011)		

03	Concrete
03 30	Cast-In-Place Concrete
03 31	Structural Concrete



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

03 31 13 00-0021	CY Crane And Bucket, Place 3,000 PSI Concrete Spread Footings	294.96
	For 2,000 PSI Concrete, Deduct	-8.11
	For 2,500 PSI Concrete, Deduct	-4.05
	For 3,500 PSI Concrete, Add	7.51
	For 3,750 PSI Concrete, Add	10.21
	For 4,000 PSI Concrete, Add	12.91
	For 4,500 PSI Concrete, Add	15.02
	For 5,000 PSI Concrete, Add	17.12
	For 6,000 PSI Concrete, Add	40.54
	For White Cement Concrete, Add	18.02
	For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	19.52
	For High Early Strength, Type 3 ASTM C150, Add	15.02
	For Lightweight Aggregate, ASTM C330, Add	45.05
	For Up To 20, Add	57.92
	For >20 To 50, Add	21.72
	For >100 To 200, Deduct	-5.90
	For >200 To 400, Deduct	-11.80
	For >400, Deduct	-17.70
03 31 13 00-0022	CY Direct Chute, Place 3,000 PSI Concrete Spread Footings.....	218.45
	For 2,000 PSI Concrete, Deduct	-8.11
	For 2,500 PSI Concrete, Deduct	-4.05
	For 3,500 PSI Concrete, Add	7.51
	For 3,750 PSI Concrete, Add	10.21
	For 4,000 PSI Concrete, Add	12.91
	For 4,500 PSI Concrete, Add	15.02
	For 5,000 PSI Concrete, Add	17.12
	For 6,000 PSI Concrete, Add	40.54
	For White Cement Concrete, Add	18.02
	For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	19.52
	For High Early Strength, Type 3 ASTM C150, Add	15.02
	For Lightweight Aggregate, ASTM C330, Add	45.05
	For Up To 20, Add	27.32
	For >20 To 50, Add	10.25
	For >100 To 200, Deduct	-4.37
	For >200 To 400, Deduct	-8.74
	For >400, Deduct	-13.11
03 31 13 00-0023	CY Concrete Pump, Place 3,000 PSI Concrete Spread Footings.....	227.72
	Note: Excludes pumping equipment.	
	For 2,000 PSI Concrete, Deduct	-8.78
	For 2,500 PSI Concrete, Deduct	-4.39
	For 3,500 PSI Concrete, Add	8.13
	For 3,750 PSI Concrete, Add	11.06
	For 4,000 PSI Concrete, Add	13.99
	For 4,500 PSI Concrete, Add	16.27
	For 5,000 PSI Concrete, Add	18.54
	For 6,000 PSI Concrete, Add	43.92
	For White Cement Concrete, Add	19.52
	For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	21.15
	For High Early Strength, Type 3 ASTM C150, Add	16.27
	For Lightweight Aggregate, ASTM C330, Add	48.80
	For Up To 20, Add	26.02
	For >20 To 50, Add	9.76
	For >100 To 200, Deduct	-4.55
	For >200 To 400, Deduct	-9.11
	For >400, Deduct	-13.66
03 31 13 00-0024	Place Concrete Mat Foundation <small>(03 31 13 00-0011)</small>	
03 31 13 00-0025	CY Crane And Bucket, Place 3,000 PSI Concrete Mat Foundation	175.89
	For 2,000 PSI Concrete, Deduct	-8.11
	For 2,500 PSI Concrete, Deduct	-4.05
	For 3,500 PSI Concrete, Add	7.51
	For 3,750 PSI Concrete, Add	10.21
	For 4,000 PSI Concrete, Add	12.91
	For 4,500 PSI Concrete, Add	15.02
	For 5,000 PSI Concrete, Add	17.12
	For 6,000 PSI Concrete, Add	40.54
	For White Cement Concrete, Add	18.02
	For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	19.52
	For High Early Strength, Type 3 ASTM C150, Add	15.02
	For Lightweight Aggregate, ASTM C330, Add	45.05
	For Up To 20, Add	10.30
	For >20 To 50, Add	3.86
	For >100 To 200, Deduct	-3.52
	For >200 To 400, Deduct	-7.04
	For >400, Deduct	-10.55



Concrete	03	03
Cast-In-Place Concrete	03 30	
Structural Concrete	03 31	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 31 13 00-0026 CY Direct Chute, Place 3,000 PSI Concrete Mat Foundation.....	162.30	
For 2,000 PSI Concrete, Deduct	-8.11	
For 2,500 PSI Concrete, Deduct	-4.05	
For 3,500 PSI Concrete, Add	7.51	
For 3,750 PSI Concrete, Add	10.21	
For 4,000 PSI Concrete, Add	12.91	
For 4,500 PSI Concrete, Add	15.02	
For 5,000 PSI Concrete, Add	17.12	
For 6,000 PSI Concrete, Add	40.54	
For White Cement Concrete, Add	18.02	
For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	19.52	
For High Early Strength, Type 3 ASTM C150, Add	15.02	
For Lightweight Aggregate, ASTM C330, Add	45.05	
For Up To 20, Add	4.86	
For >20 To 50, Add	1.82	
For >100 To 200, Deduct	-3.25	
For >200 To 400, Deduct	-6.49	
For >400, Deduct	-9.74	
03 31 13 00-0027 CY Concrete Pump, Place 3,000 PSI Concrete Mat Foundation.....	172.78	
Note: Excludes pumping equipment.		
For 2,000 PSI Concrete, Deduct	-8.78	
For 2,500 PSI Concrete, Deduct	-4.39	
For 3,500 PSI Concrete, Add	8.13	
For 3,750 PSI Concrete, Add	11.06	
For 4,000 PSI Concrete, Add	13.99	
For 4,500 PSI Concrete, Add	16.27	
For 5,000 PSI Concrete, Add	18.54	
For 6,000 PSI Concrete, Add	43.92	
For White Cement Concrete, Add	19.52	
For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	21.15	
For High Early Strength, Type 3 ASTM C150, Add	16.27	
For Lightweight Aggregate, ASTM C330, Add	48.80	
For Up To 20, Add	4.05	
For >20 To 50, Add	1.52	
For >100 To 200, Deduct	-3.46	
For >200 To 400, Deduct	-6.91	
For >400, Deduct	-10.37	
03 31 13 00-0028 Place Concrete Grade Beams (03 31 13 00-0011)		
03 31 13 00-0029 CY Crane And Bucket, Place 3,000 PSI Concrete Grade Beams.....	218.80	
For 2,000 PSI Concrete, Deduct	-8.11	
For 2,500 PSI Concrete, Deduct	-4.05	
For 3,500 PSI Concrete, Add	7.51	
For 3,750 PSI Concrete, Add	10.21	
For 4,000 PSI Concrete, Add	12.91	
For 4,500 PSI Concrete, Add	15.02	
For 5,000 PSI Concrete, Add	17.12	
For 6,000 PSI Concrete, Add	40.54	
For White Cement Concrete, Add	18.02	
For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	19.52	
For High Early Strength, Type 3 ASTM C150, Add	15.02	
For Lightweight Aggregate, ASTM C330, Add	45.05	
For Up To 20, Add	27.46	
For >20 To 50, Add	10.30	
For >100 To 200, Deduct	-4.38	
For >200 To 400, Deduct	-8.75	
For >400, Deduct	-13.13	
03 31 13 00-0030 CY Direct Chute, Place 3,000 PSI Concrete Grade Beams.....	182.52	
For 2,000 PSI Concrete, Deduct	-8.11	
For 2,500 PSI Concrete, Deduct	-4.05	
For 3,500 PSI Concrete, Add	7.51	
For 3,750 PSI Concrete, Add	10.21	
For 4,000 PSI Concrete, Add	12.91	
For 4,500 PSI Concrete, Add	15.02	
For 5,000 PSI Concrete, Add	17.12	
For 6,000 PSI Concrete, Add	40.54	
For White Cement Concrete, Add	18.02	
For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	19.52	
For High Early Strength, Type 3 ASTM C150, Add	15.02	
For Lightweight Aggregate, ASTM C330, Add	45.05	
For Up To 20, Add	12.95	
For >20 To 50, Add	4.86	
For >100 To 200, Deduct	-3.65	
For >200 To 400, Deduct	-7.30	
For >400, Deduct	-10.95	

03	Concrete
03 30	Cast-In-Place Concrete
03 31	Structural Concrete



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

03 31 13 00-0031	CY	Concrete Pump, Place 3,000 PSI Concrete Grade Beams.....	193.50
		Note: Excludes pumping equipment.	
		For 2,000 PSI Concrete, Deduct	-8.78
		For 2,500 PSI Concrete, Deduct	-4.39
		For 3,500 PSI Concrete, Add	8.13
		For 3,750 PSI Concrete, Add	11.06
		For 4,000 PSI Concrete, Add	13.99
		For 4,500 PSI Concrete, Add	16.27
		For 5,000 PSI Concrete, Add	18.54
		For 6,000 PSI Concrete, Add	43.92
		For White Cement Concrete, Add	19.52
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	21.15
		For High Early Strength, Type 3 ASTM C150, Add	16.27
		For Lightweight Aggregate, ASTM C330, Add	48.80
		For Up To 20, Add	12.34
		For >20 To 50, Add	4.63
		For >100 To 200, Deduct	-3.87
		For >200 To 400, Deduct	-7.74
		For >400, Deduct	-11.61

03 31 13 00-0032 Place Concrete Slab On Grade (03 31 13 00-0011)

03 31 13 00-0033	CY	Up To 6", By Crane And Bucket, Place 3,000 PSI Concrete Slab On Grade.....	220.41
		For 2,000 PSI Concrete, Deduct	-8.11
		For 2,500 PSI Concrete, Deduct	-4.05
		For 3,500 PSI Concrete, Add	7.51
		For 3,750 PSI Concrete, Add	10.21
		For 4,000 PSI Concrete, Add	12.91
		For 4,500 PSI Concrete, Add	15.02
		For 5,000 PSI Concrete, Add	17.12
		For 6,000 PSI Concrete, Add	40.54
		For White Cement Concrete, Add	18.02
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	19.52
		For High Early Strength, Type 3 ASTM C150, Add	15.02
		For Lightweight Aggregate, ASTM C330, Add	45.05
		For Up To 20, Add	28.10
		For >20 To 50, Add	10.54
		For >100 To 200, Deduct	-4.41
		For >200 To 400, Deduct	-8.82
		For >400, Deduct	-13.22
03 31 13 00-0034	CY	>6", By Crane And Bucket, Place 3,000 PSI Concrete Slab On Grade.....	203.46
		For 2,000 PSI Concrete, Deduct	-8.11
		For 2,500 PSI Concrete, Deduct	-4.05
		For 3,500 PSI Concrete, Add	7.51
		For 3,750 PSI Concrete, Add	10.21
		For 4,000 PSI Concrete, Add	12.91
		For 4,500 PSI Concrete, Add	15.02
		For 5,000 PSI Concrete, Add	17.12
		For 6,000 PSI Concrete, Add	40.54
		For White Cement Concrete, Add	18.02
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	19.52
		For High Early Strength, Type 3 ASTM C150, Add	15.02
		For Lightweight Aggregate, ASTM C330, Add	45.05
		For Up To 20, Add	21.32
		For >20 To 50, Add	8.00
		For >100 To 200, Deduct	-4.07
		For >200 To 400, Deduct	-8.14
		For >400, Deduct	-12.21
03 31 13 00-0035	CY	Up To 6", By Direct Chute, Place 3,000 PSI Concrete Slab On Grade.....	183.29
		For 2,000 PSI Concrete, Deduct	-8.11
		For 2,500 PSI Concrete, Deduct	-4.05
		For 3,500 PSI Concrete, Add	7.51
		For 3,750 PSI Concrete, Add	10.21
		For 4,000 PSI Concrete, Add	12.91
		For 4,500 PSI Concrete, Add	15.02
		For 5,000 PSI Concrete, Add	17.12
		For 6,000 PSI Concrete, Add	40.54
		For White Cement Concrete, Add	18.02
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	19.52
		For High Early Strength, Type 3 ASTM C150, Add	15.02
		For Lightweight Aggregate, ASTM C330, Add	45.05
		For Up To 20, Add	13.26
		For >20 To 50, Add	4.97
		For >100 To 200, Deduct	-3.67
		For >200 To 400, Deduct	-7.33
		For >400, Deduct	-11.00



Concrete	03	03
Cast-In-Place Concrete	03 30	
Structural Concrete	03 31	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 31 13 00-0036 CY >6", By Direct Chute, Place 3,000 PSI Concrete Slab On Grade	175.30	
For 2,000 PSI Concrete, Deduct	-8.11	
For 2,500 PSI Concrete, Deduct	-4.05	
For 3,500 PSI Concrete, Add	7.51	
For 3,750 PSI Concrete, Add	10.21	
For 4,000 PSI Concrete, Add	12.91	
For 4,500 PSI Concrete, Add	15.02	
For 5,000 PSI Concrete, Add	17.12	
For 6,000 PSI Concrete, Add	40.54	
For White Cement Concrete, Add	18.02	
For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	19.52	
For High Early Strength, Type 3 ASTM C150, Add	15.02	
For Lightweight Aggregate, ASTM C330, Add	45.05	
For Up To 20, Add	10.06	
For >20 To 50, Add	3.77	
For >100 To 200, Deduct	-3.51	
For >200 To 400, Deduct	-7.01	
For >400, Deduct	-10.52	
03 31 13 00-0037 CY Up To 6", By Concrete Pump, Place 3,000 PSI Concrete Slab On Grade.....	190.28	
Note: Excludes pumping equipment.		
For 2,000 PSI Concrete, Deduct	-8.78	
For 2,500 PSI Concrete, Deduct	-4.39	
For 3,500 PSI Concrete, Add	8.13	
For 3,750 PSI Concrete, Add	11.06	
For 4,000 PSI Concrete, Add	13.99	
For 4,500 PSI Concrete, Add	16.27	
For 5,000 PSI Concrete, Add	18.54	
For 6,000 PSI Concrete, Add	43.92	
For White Cement Concrete, Add	19.52	
For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	21.15	
For High Early Strength, Type 3 ASTM C150, Add	16.27	
For Lightweight Aggregate, ASTM C330, Add	48.80	
For Up To 20, Add	11.05	
For >20 To 50, Add	4.14	
For >100 To 200, Deduct	-3.81	
For >200 To 400, Deduct	-7.61	
For >400, Deduct	-11.42	
03 31 13 00-0038 CY >6", By Concrete Pump, Place 3,000 PSI Concrete Slab On Grade	183.61	
Note: Excludes pumping equipment.		
For 2,000 PSI Concrete, Deduct	-8.78	
For 2,500 PSI Concrete, Deduct	-4.39	
For 3,500 PSI Concrete, Add	8.13	
For 3,750 PSI Concrete, Add	11.06	
For 4,000 PSI Concrete, Add	13.99	
For 4,500 PSI Concrete, Add	16.27	
For 5,000 PSI Concrete, Add	18.54	
For 6,000 PSI Concrete, Add	43.92	
For White Cement Concrete, Add	19.52	
For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	21.15	
For High Early Strength, Type 3 ASTM C150, Add	16.27	
For Lightweight Aggregate, ASTM C330, Add	48.80	
For Up To 20, Add	8.38	
For >20 To 50, Add	3.14	
For >100 To 200, Deduct	-3.67	
For >200 To 400, Deduct	-7.34	
For >400, Deduct	-11.02	
03 31 13 00-0039 Place Concrete Duct Bank (03 31 13 00-0011)	177.57	
03 31 13 00-0040 CY Direct Chute, Place 3,000 PSI Concrete Duct Bank	177.57	
For 2,000 PSI Concrete, Deduct	-8.11	
For 2,500 PSI Concrete, Deduct	-4.05	
For 3,500 PSI Concrete, Add	7.51	
For 3,750 PSI Concrete, Add	10.21	
For 4,000 PSI Concrete, Add	12.91	
For 4,500 PSI Concrete, Add	15.02	
For 5,000 PSI Concrete, Add	17.12	
For 6,000 PSI Concrete, Add	40.54	
For White Cement Concrete, Add	18.02	
For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	19.52	
For High Early Strength, Type 3 ASTM C150, Add	15.02	
For Lightweight Aggregate, ASTM C330, Add	45.05	
For Up To 20, Add	10.97	
For >20 To 50, Add	4.11	
For >100 To 200, Deduct	-3.55	
For >200 To 400, Deduct	-7.10	
For >400, Deduct	-10.65	
03 31 13 00-0041 Place Concrete Stairs (03 31 13 00-0011)		

03	Concrete
03 30	Cast-In-Place Concrete
03 31	Structural Concrete



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT UNIT COST DEMOLITION UNIT COST

03 31 13 00-0042	CY Crane And Bucket, Place 3,000 PSI On Grade Concrete Stairs.....	466.28	
	For 2,000 PSI Concrete, Deduct	-8.11	
	For 2,500 PSI Concrete, Deduct	-4.05	
	For 3,500 PSI Concrete, Add	7.51	
	For 3,750 PSI Concrete, Add	10.21	
	For 4,000 PSI Concrete, Add	12.91	
	For 4,500 PSI Concrete, Add	15.02	
	For 5,000 PSI Concrete, Add	17.12	
	For 6,000 PSI Concrete, Add	40.54	
	For White Cement Concrete, Add	18.02	
	For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	19.52	
	For High Early Strength, Type 3 ASTM C150, Add	15.02	
	For Lightweight Aggregate, ASTM C330, Add	45.05	
	For Up To 20, Add	126.45	
	For >20 To 50, Add	47.42	
	For >100 To 200, Deduct	-9.33	
	For >200 To 400, Deduct	-18.65	
	For >400, Deduct	-27.98	
03 31 13 00-0043	CY Direct Chute, Place 3,000 PSI On Grade Concrete Stairs.....	299.28	
	For 2,000 PSI Concrete, Deduct	-8.11	
	For 2,500 PSI Concrete, Deduct	-4.05	
	For 3,500 PSI Concrete, Add	7.51	
	For 3,750 PSI Concrete, Add	10.21	
	For 4,000 PSI Concrete, Add	12.91	
	For 4,500 PSI Concrete, Add	15.02	
	For 5,000 PSI Concrete, Add	17.12	
	For 6,000 PSI Concrete, Add	40.54	
	For White Cement Concrete, Add	18.02	
	For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	19.52	
	For High Early Strength, Type 3 ASTM C150, Add	15.02	
	For Lightweight Aggregate, ASTM C330, Add	45.05	
	For Up To 20, Add	59.65	
	For >20 To 50, Add	22.37	
	For >100 To 200, Deduct	-5.99	
	For >200 To 400, Deduct	-11.97	
	For >400, Deduct	-17.96	
03 31 13 00-0044	CY Concrete Pump, Place 3,000 PSI On Grade Concrete Stairs.....	286.95	
	Note: Excludes pumping equipment.		
	For 2,000 PSI Concrete, Deduct	-8.78	
	For 2,500 PSI Concrete, Deduct	-4.39	
	For 3,500 PSI Concrete, Add	8.13	
	For 3,750 PSI Concrete, Add	11.06	
	For 4,000 PSI Concrete, Add	13.99	
	For 4,500 PSI Concrete, Add	16.27	
	For 5,000 PSI Concrete, Add	18.54	
	For 6,000 PSI Concrete, Add	43.92	
	For White Cement Concrete, Add	19.52	
	For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	21.15	
	For High Early Strength, Type 3 ASTM C150, Add	16.27	
	For Lightweight Aggregate, ASTM C330, Add	48.80	
	For Up To 20, Add	49.72	
	For >20 To 50, Add	18.64	
	For >100 To 200, Deduct	-5.74	
	For >200 To 400, Deduct	-11.48	
	For >400, Deduct	-17.22	
03 31 13 00-0045	Place Concrete Thrust Blocks And Backfill (03 31 13 00-0011)		
03 31 13 00-0046	CY Direct Chute, Place 3,000 PSI Concrete Thrust Blocks.....	223.01	
	For 2,000 PSI Concrete, Deduct	-8.11	
	For 2,500 PSI Concrete, Deduct	-4.05	
	For 3,500 PSI Concrete, Add	7.51	
	For 3,750 PSI Concrete, Add	10.21	
	For 4,000 PSI Concrete, Add	12.91	
	For 4,500 PSI Concrete, Add	15.02	
	For 5,000 PSI Concrete, Add	17.12	
	For 6,000 PSI Concrete, Add	40.54	
	For White Cement Concrete, Add	18.02	
	For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	19.52	
	For High Early Strength, Type 3 ASTM C150, Add	15.02	
	For Lightweight Aggregate, ASTM C330, Add	45.05	
	For Up To 20, Add	29.14	
	For >20 To 50, Add	10.93	
	For >100 To 200, Deduct	-4.46	
	For >200 To 400, Deduct	-8.92	
	For >400, Deduct	-13.38	
03 31 13 00-0047	Place Concrete Slurry (03 31 13 00-0011)		
	Note: 2 bag cement per CY.		
03 31 13 00-0048	CY Direct Chute, Place 1,200 PSI Concrete Slurry.....	204.24	
03 31 13 00-0049	CY Concrete Pump, Place 1,200 PSI Concrete Slurry.....	192.07	
	Note: Excludes pumping equipment.		
03 31 13 00-0050	Hand Mix And Place Concrete (03 31 13 00-0011)		



Concrete	03	03
Cast-In-Place Concrete	03 30	
Structural Concrete	03 31	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 31 13 00-0051 CF Hand Mix And Place Concrete.....	29.72	
Note: For use where conventional equipment access is limited or when directed by the owner.		
For 2,000 PSI Concrete, Deduct	-0.35	
For 2,500 PSI Concrete, Deduct	-0.17	
For 3,500 PSI Concrete, Add	0.32	
For 3,750 PSI Concrete, Add	0.44	
For 4,000 PSI Concrete, Add	0.55	
For 4,500 PSI Concrete, Add	0.64	
For 5,000 PSI Concrete, Add	0.73	
For 6,000 PSI Concrete, Add	1.73	
For White Cement Concrete, Add	0.77	
For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	0.83	
For High Early Strength, Type 3 ASTM C150, Add	0.64	
For Lightweight Aggregate, ASTM C330, Add	1.93	
03 31 13 00-0052 Place Concrete Superstructure By Method Indicated (03 31 13 00-0010)		
See CSI section 03 31 13 00-0088 for concrete pump truck.		
03 31 13 00-0053 Place Elevated Concrete Beams (03 31 13 00-0052)		
03 31 13 00-0054 CY Crane And Bucket, Place 3,000 PSI Elevated Concrete Beams.....	321.78	
For 2,000 PSI Concrete, Deduct	-8.11	
For 2,500 PSI Concrete, Deduct	-4.05	
For 3,500 PSI Concrete, Add	7.51	
For 3,750 PSI Concrete, Add	10.21	
For 4,000 PSI Concrete, Add	12.91	
For 4,500 PSI Concrete, Add	15.02	
For 5,000 PSI Concrete, Add	17.12	
For 6,000 PSI Concrete, Add	40.54	
For White Cement Concrete, Add	18.02	
For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	19.52	
For High Early Strength, Type 3 ASTM C150, Add	15.02	
For Lightweight Aggregate, ASTM C330, Add	45.05	
For Up To 20, Add	68.65	
For >20 To 50, Add	25.74	
For >100 To 200, Deduct	-6.44	
For >200 To 400, Deduct	-12.87	
For >400, Deduct	-19.31	
03 31 13 00-0055 CY Concrete Pump, Place 3,000 PSI Elevated Concrete Beams.....	239.75	
Note: Excludes pumping equipment.		
For 2,000 PSI Concrete, Deduct	-8.78	
For 2,500 PSI Concrete, Deduct	-4.39	
For 3,500 PSI Concrete, Add	8.13	
For 3,750 PSI Concrete, Add	11.06	
For 4,000 PSI Concrete, Add	13.99	
For 4,500 PSI Concrete, Add	16.27	
For 5,000 PSI Concrete, Add	18.54	
For 6,000 PSI Concrete, Add	43.92	
For White Cement Concrete, Add	19.52	
For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	21.15	
For High Early Strength, Type 3 ASTM C150, Add	16.27	
For Lightweight Aggregate, ASTM C330, Add	48.80	
For Up To 20, Add	30.84	
For >20 To 50, Add	11.56	
For >100 To 200, Deduct	-4.80	
For >200 To 400, Deduct	-9.59	
For >400, Deduct	-14.39	
03 31 13 00-0056 Place Elevated Concrete Slab (03 31 13 00-0052)		
03 31 13 00-0057 CY Up To 6", By Crane And Bucket, Place 3,000 PSI Elevated Concrete Slab	230.95	
For 2,000 PSI Concrete, Deduct	-8.11	
For 2,500 PSI Concrete, Deduct	-4.05	
For 3,500 PSI Concrete, Add	7.51	
For 3,750 PSI Concrete, Add	10.21	
For 4,000 PSI Concrete, Add	12.91	
For 4,500 PSI Concrete, Add	15.02	
For 5,000 PSI Concrete, Add	17.12	
For 6,000 PSI Concrete, Add	40.54	
For White Cement Concrete, Add	18.02	
For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	19.52	
For High Early Strength, Type 3 ASTM C150, Add	15.02	
For Lightweight Aggregate, ASTM C330, Add	45.05	
For Up To 20, Add	32.32	
For >20 To 50, Add	12.12	
For >100 To 200, Deduct	-4.62	
For >200 To 400, Deduct	-9.24	
For >400, Deduct	-13.86	

03	Concrete
03 30	Cast-In-Place Concrete
03 31	Structural Concrete



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

03 31 13 00-0058	CY >6", By Crane And Bucket, Place 3,000 PSI Elevated Concrete Slab	211.45
	For 2,000 PSI Concrete, Deduct	-8.11
	For 2,500 PSI Concrete, Deduct	-4.05
	For 3,500 PSI Concrete, Add	7.51
	For 3,750 PSI Concrete, Add	10.21
	For 4,000 PSI Concrete, Add	12.91
	For 4,500 PSI Concrete, Add	15.02
	For 5,000 PSI Concrete, Add	17.12
	For 6,000 PSI Concrete, Add	40.54
	For White Cement Concrete, Add	18.02
	For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	19.52
	For High Early Strength, Type 3 ASTM C150, Add	15.02
	For Lightweight Aggregate, ASTM C330, Add	45.05
	For Up To 20, Add	24.52
	For >20 To 50, Add	9.20
	For >100 To 200, Deduct	-4.23
	For >200 To 400, Deduct	-8.46
	For >400, Deduct	-12.69
03 31 13 00-0059	CY Up To 6", By Concrete Pump, Place 3,000 PSI Elevated Concrete Slab	198.96
	Note: Excludes pumping equipment.	
	For 2,000 PSI Concrete, Deduct	-8.78
	For 2,500 PSI Concrete, Deduct	-4.39
	For 3,500 PSI Concrete, Add	8.13
	For 3,750 PSI Concrete, Add	11.06
	For 4,000 PSI Concrete, Add	13.99
	For 4,500 PSI Concrete, Add	16.27
	For 5,000 PSI Concrete, Add	18.54
	For 6,000 PSI Concrete, Add	43.92
	For White Cement Concrete, Add	19.52
	For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	21.15
	For High Early Strength, Type 3 ASTM C150, Add	16.27
	For Lightweight Aggregate, ASTM C330, Add	48.80
	For Up To 20, Add	14.52
	For >20 To 50, Add	5.45
	For >100 To 200, Deduct	-3.98
	For >200 To 400, Deduct	-7.96
	For >400, Deduct	-11.94
03 31 13 00-0060	CY >6", By Concrete Pump, Place 3,000 PSI Elevated Concrete Slab	190.20
	Note: Excludes pumping equipment.	
	For 2,000 PSI Concrete, Deduct	-8.78
	For 2,500 PSI Concrete, Deduct	-4.39
	For 3,500 PSI Concrete, Add	8.13
	For 3,750 PSI Concrete, Add	11.06
	For 4,000 PSI Concrete, Add	13.99
	For 4,500 PSI Concrete, Add	16.27
	For 5,000 PSI Concrete, Add	18.54
	For 6,000 PSI Concrete, Add	43.92
	For White Cement Concrete, Add	19.52
	For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	21.15
	For High Early Strength, Type 3 ASTM C150, Add	16.27
	For Lightweight Aggregate, ASTM C330, Add	48.80
	For Up To 20, Add	11.02
	For >20 To 50, Add	4.13
	For >100 To 200, Deduct	-3.80
	For >200 To 400, Deduct	-7.61
	For >400, Deduct	-11.41
03 31 13 00-0061	Place Concrete Columns (03 31 13 00-0062)	
03 31 13 00-0062	CY 12" Square Or Round, By Crane And Bucket, Place 3,000 PSI Concrete Columns	335.50
	For 2,000 PSI Concrete, Deduct	-8.11
	For 2,500 PSI Concrete, Deduct	-4.05
	For 3,500 PSI Concrete, Add	7.51
	For 3,750 PSI Concrete, Add	10.21
	For 4,000 PSI Concrete, Add	12.91
	For 4,500 PSI Concrete, Add	15.02
	For 5,000 PSI Concrete, Add	17.12
	For 6,000 PSI Concrete, Add	40.54
	For White Cement Concrete, Add	18.02
	For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	19.52
	For High Early Strength, Type 3 ASTM C150, Add	15.02
	For Lightweight Aggregate, ASTM C330, Add	45.05
	For Up To 20, Add	74.14
	For >20 To 50, Add	27.80
	For >100 To 200, Deduct	-6.71
	For >200 To 400, Deduct	-13.42
	For >400, Deduct	-20.13



Concrete	03	03
Cast-In-Place Concrete	03 30	
Structural Concrete	03 31	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 31 13 00-0063 CY 18" Square Or Round, By Crane And Bucket, Place 3,000 PSI Concrete Columns	284.87	
For 2,000 PSI Concrete, Deduct	-8.11	
For 2,500 PSI Concrete, Deduct	-4.05	
For 3,500 PSI Concrete, Add	7.51	
For 3,750 PSI Concrete, Add	10.21	
For 4,000 PSI Concrete, Add	12.91	
For 4,500 PSI Concrete, Add	15.02	
For 5,000 PSI Concrete, Add	17.12	
For 6,000 PSI Concrete, Add	40.54	
For White Cement Concrete, Add	18.02	
For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	19.52	
For High Early Strength, Type 3 ASTM C150, Add	15.02	
For Lightweight Aggregate, ASTM C330, Add	45.05	
For Up To 20, Add	53.89	
For >20 To 50, Add	20.21	
For >100 To 200, Deduct	-5.70	
For >200 To 400, Deduct	-11.39	
For >400, Deduct	-17.09	
03 31 13 00-0064 CY 24" Square Or Round, By Crane And Bucket, Place 3,000 PSI Concrete Columns	248.66	
For 2,000 PSI Concrete, Deduct	-8.11	
For 2,500 PSI Concrete, Deduct	-4.05	
For 3,500 PSI Concrete, Add	7.51	
For 3,750 PSI Concrete, Add	10.21	
For 4,000 PSI Concrete, Add	12.91	
For 4,500 PSI Concrete, Add	15.02	
For 5,000 PSI Concrete, Add	17.12	
For 6,000 PSI Concrete, Add	40.54	
For White Cement Concrete, Add	18.02	
For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	19.52	
For High Early Strength, Type 3 ASTM C150, Add	15.02	
For Lightweight Aggregate, ASTM C330, Add	45.05	
For Up To 20, Add	39.40	
For >20 To 50, Add	14.78	
For >100 To 200, Deduct	-4.97	
For >200 To 400, Deduct	-9.95	
For >400, Deduct	-14.92	
03 31 13 00-0065 CY 36" Square Or Round, By Crane And Bucket, Place 3,000 PSI Concrete Columns	232.53	
For 2,000 PSI Concrete, Deduct	-8.11	
For 2,500 PSI Concrete, Deduct	-4.05	
For 3,500 PSI Concrete, Add	7.51	
For 3,750 PSI Concrete, Add	10.21	
For 4,000 PSI Concrete, Add	12.91	
For 4,500 PSI Concrete, Add	15.02	
For 5,000 PSI Concrete, Add	17.12	
For 6,000 PSI Concrete, Add	40.54	
For White Cement Concrete, Add	18.02	
For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	19.52	
For High Early Strength, Type 3 ASTM C150, Add	15.02	
For Lightweight Aggregate, ASTM C330, Add	45.05	
For Up To 20, Add	32.95	
For >20 To 50, Add	12.36	
For >100 To 200, Deduct	-4.65	
For >200 To 400, Deduct	-9.30	
For >400, Deduct	-13.95	
03 31 13 00-0066 CY 12" Square Or Round, By Concrete Pump, Place 3,000 PSI Concrete Columns	245.92	
Note: Excludes pumping equipment.		
For 2,000 PSI Concrete, Deduct	-8.78	
For 2,500 PSI Concrete, Deduct	-4.39	
For 3,500 PSI Concrete, Add	8.13	
For 3,750 PSI Concrete, Add	11.06	
For 4,000 PSI Concrete, Add	13.99	
For 4,500 PSI Concrete, Add	16.27	
For 5,000 PSI Concrete, Add	18.54	
For 6,000 PSI Concrete, Add	43.92	
For White Cement Concrete, Add	19.52	
For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	21.15	
For High Early Strength, Type 3 ASTM C150, Add	16.27	
For Lightweight Aggregate, ASTM C330, Add	48.80	
For Up To 20, Add	33.30	
For >20 To 50, Add	12.49	
For >100 To 200, Deduct	-4.92	
For >200 To 400, Deduct	-9.84	
For >400, Deduct	-14.76	

03 Concrete**03 30 Cast-In-Place Concrete****03 31 Structural Concrete**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT
UNIT COSTDEMOLITION
UNIT COST

03 31 13 00-0067	CY	18" Square Or Round, By Concrete Pump, Place 3,000 PSI Concrete Columns	223.18	
		Note: Excludes pumping equipment.		
		For 2,000 PSI Concrete, Deduct	-8.78	
		For 2,500 PSI Concrete, Deduct	-4.39	
		For 3,500 PSI Concrete, Add	8.13	
		For 3,750 PSI Concrete, Add	11.06	
		For 4,000 PSI Concrete, Add	13.99	
		For 4,500 PSI Concrete, Add	16.27	
		For 5,000 PSI Concrete, Add	18.54	
		For 6,000 PSI Concrete, Add	43.92	
		For White Cement Concrete, Add	19.52	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	21.15	
		For High Early Strength, Type 3 ASTM C150, Add	16.27	
		For Lightweight Aggregate, ASTM C330, Add	48.80	
		For Up To 20, Add	24.21	
		For >20 To 50, Add	9.08	
		For >100 To 200, Deduct	-4.46	
		For >200 To 400, Deduct	-8.93	
		For >400, Deduct	-13.39	
03 31 13 00-0068	CY	24" Square Or Round, By Concrete Pump, Place 3,000 PSI Concrete Columns	206.91	
		Note: Excludes pumping equipment.		
		For 2,000 PSI Concrete, Deduct	-8.78	
		For 2,500 PSI Concrete, Deduct	-4.39	
		For 3,500 PSI Concrete, Add	8.13	
		For 3,750 PSI Concrete, Add	11.06	
		For 4,000 PSI Concrete, Add	13.99	
		For 4,500 PSI Concrete, Add	16.27	
		For 5,000 PSI Concrete, Add	18.54	
		For 6,000 PSI Concrete, Add	43.92	
		For White Cement Concrete, Add	19.52	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	21.15	
		For High Early Strength, Type 3 ASTM C150, Add	16.27	
		For Lightweight Aggregate, ASTM C330, Add	48.80	
		For Up To 20, Add	17.70	
		For >20 To 50, Add	6.64	
		For >100 To 200, Deduct	-4.14	
		For >200 To 400, Deduct	-8.28	
		For >400, Deduct	-12.41	
03 31 13 00-0069	CY	36" Square Or Round, By Concrete Pump, Place 3,000 PSI Concrete Columns	199.66	
		Note: Excludes pumping equipment.		
		For 2,000 PSI Concrete, Deduct	-8.78	
		For 2,500 PSI Concrete, Deduct	-4.39	
		For 3,500 PSI Concrete, Add	8.13	
		For 3,750 PSI Concrete, Add	11.06	
		For 4,000 PSI Concrete, Add	13.99	
		For 4,500 PSI Concrete, Add	16.27	
		For 5,000 PSI Concrete, Add	18.54	
		For 6,000 PSI Concrete, Add	43.92	
		For White Cement Concrete, Add	19.52	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	21.15	
		For High Early Strength, Type 3 ASTM C150, Add	16.27	
		For Lightweight Aggregate, ASTM C330, Add	48.80	
		For Up To 20, Add	14.80	
		For >20 To 50, Add	5.55	
		For >100 To 200, Deduct	-3.99	
		For >200 To 400, Deduct	-7.99	
		For >400, Deduct	-11.98	

03 31 13 00-0070 Place Concrete Walls (03 31 13 00-0052)

03 31 13 00-0071	CY	8" Thick, By Crane And Bucket, Place 3,000 PSI Concrete Walls	323.92	
		For 2,000 PSI Concrete, Deduct	-8.11	
		For 2,500 PSI Concrete, Deduct	-4.05	
		For 3,500 PSI Concrete, Add	7.51	
		For 3,750 PSI Concrete, Add	10.21	
		For 4,000 PSI Concrete, Add	12.91	
		For 4,500 PSI Concrete, Add	15.02	
		For 5,000 PSI Concrete, Add	17.12	
		For 6,000 PSI Concrete, Add	40.54	
		For White Cement Concrete, Add	18.02	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	19.52	
		For High Early Strength, Type 3 ASTM C150, Add	15.02	
		For Lightweight Aggregate, ASTM C330, Add	45.05	
		For Up To 20, Add	69.51	
		For >20 To 50, Add	26.07	
		For >100 To 200, Deduct	-6.48	
		For >200 To 400, Deduct	-12.96	
		For >400, Deduct	-19.44	



Concrete	03	03
Cast-In-Place Concrete	03 30	
Structural Concrete	03 31	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 31 13 00-0072 CY 12" Thick, By Crane And Bucket, Place 3,000 PSI Concrete Walls.....	309.51	
For 2,000 PSI Concrete, Deduct	-8.11	
For 2,500 PSI Concrete, Deduct	-4.05	
For 3,500 PSI Concrete, Add	7.51	
For 3,750 PSI Concrete, Add	10.21	
For 4,000 PSI Concrete, Add	12.91	
For 4,500 PSI Concrete, Add	15.02	
For 5,000 PSI Concrete, Add	17.12	
For 6,000 PSI Concrete, Add	40.54	
For White Cement Concrete, Add	18.02	
For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	19.52	
For High Early Strength, Type 3 ASTM C150, Add	15.02	
For Lightweight Aggregate, ASTM C330, Add	45.05	
For Up To 20, Add	63.74	
For >20 To 50, Add	23.90	
For >100 To 200, Deduct	-6.19	
For >200 To 400, Deduct	-12.38	
For >400, Deduct	-18.57	
03 31 13 00-0073 CY 15" Thick, By Crane And Bucket, Place 3,000 PSI Concrete Walls.....	271.79	
For 2,000 PSI Concrete, Deduct	-8.11	
For 2,500 PSI Concrete, Deduct	-4.05	
For 3,500 PSI Concrete, Add	7.51	
For 3,750 PSI Concrete, Add	10.21	
For 4,000 PSI Concrete, Add	12.91	
For 4,500 PSI Concrete, Add	15.02	
For 5,000 PSI Concrete, Add	17.12	
For 6,000 PSI Concrete, Add	40.54	
For White Cement Concrete, Add	18.02	
For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	19.52	
For High Early Strength, Type 3 ASTM C150, Add	15.02	
For Lightweight Aggregate, ASTM C330, Add	45.05	
For Up To 20, Add	48.66	
For >20 To 50, Add	18.25	
For >100 To 200, Deduct	-5.44	
For >200 To 400, Deduct	-10.87	
For >400, Deduct	-16.31	
03 31 13 00-0074 CY 8" Thick, By Direct Chute, Place 3,000 PSI Concrete Walls.....	232.11	
For 2,000 PSI Concrete, Deduct	-8.11	
For 2,500 PSI Concrete, Deduct	-4.05	
For 3,500 PSI Concrete, Add	7.51	
For 3,750 PSI Concrete, Add	10.21	
For 4,000 PSI Concrete, Add	12.91	
For 4,500 PSI Concrete, Add	15.02	
For 5,000 PSI Concrete, Add	17.12	
For 6,000 PSI Concrete, Add	40.54	
For White Cement Concrete, Add	18.02	
For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	19.52	
For High Early Strength, Type 3 ASTM C150, Add	15.02	
For Lightweight Aggregate, ASTM C330, Add	45.05	
For Up To 20, Add	32.78	
For >20 To 50, Add	12.29	
For >100 To 200, Deduct	-4.64	
For >200 To 400, Deduct	-9.28	
For >400, Deduct	-13.93	
03 31 13 00-0075 CY 12" Thick, By Direct Chute, Place 3,000 PSI Concrete Walls.....	215.72	
For 2,000 PSI Concrete, Deduct	-8.11	
For 2,500 PSI Concrete, Deduct	-4.05	
For 3,500 PSI Concrete, Add	7.51	
For 3,750 PSI Concrete, Add	10.21	
For 4,000 PSI Concrete, Add	12.91	
For 4,500 PSI Concrete, Add	15.02	
For 5,000 PSI Concrete, Add	17.12	
For 6,000 PSI Concrete, Add	40.54	
For White Cement Concrete, Add	18.02	
For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	19.52	
For High Early Strength, Type 3 ASTM C150, Add	15.02	
For Lightweight Aggregate, ASTM C330, Add	45.05	
For Up To 20, Add	26.23	
For >20 To 50, Add	9.84	
For >100 To 200, Deduct	-4.31	
For >200 To 400, Deduct	-8.63	
For >400, Deduct	-12.94	

03	Concrete
03 30	Cast-In-Place Concrete
03 31	Structural Concrete



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

03 31 13 00-0076	CY 15" Thick, By Direct Chute, Place 3,000 PSI Concrete Walls	207.52	
	<i>For 2,000 PSI Concrete, Deduct</i>	-8.11	
	<i>For 2,500 PSI Concrete, Deduct</i>	-4.05	
	<i>For 3,500 PSI Concrete, Add</i>	7.51	
	<i>For 3,750 PSI Concrete, Add</i>	10.21	
	<i>For 4,000 PSI Concrete, Add</i>	12.91	
	<i>For 4,500 PSI Concrete, Add</i>	15.02	
	<i>For 5,000 PSI Concrete, Add</i>	17.12	
	<i>For 6,000 PSI Concrete, Add</i>	40.54	
	<i>For White Cement Concrete, Add</i>	18.02	
	<i>For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add</i>	19.52	
	<i>For High Early Strength, Type 3 ASTM C150, Add</i>	15.02	
	<i>For Lightweight Aggregate, ASTM C330, Add</i>	45.05	
	<i>For Up To 20, Add</i>	22.95	
	<i>For >20 To 50, Add</i>	8.61	
	<i>For >100 To 200, Deduct</i>	-4.15	
	<i>For >200 To 400, Deduct</i>	-8.30	
	<i>For >400, Deduct</i>	-12.45	
03 31 13 00-0077	CY 8" Thick, By Concrete Pump, Place 3,000 PSI Concrete Walls	240.71	
	Note: Excludes pumping equipment.		
	<i>For 2,000 PSI Concrete, Deduct</i>	-8.78	
	<i>For 2,500 PSI Concrete, Deduct</i>	-4.39	
	<i>For 3,500 PSI Concrete, Add</i>	8.13	
	<i>For 3,750 PSI Concrete, Add</i>	11.06	
	<i>For 4,000 PSI Concrete, Add</i>	13.99	
	<i>For 4,500 PSI Concrete, Add</i>	16.27	
	<i>For 5,000 PSI Concrete, Add</i>	18.54	
	<i>For 6,000 PSI Concrete, Add</i>	43.92	
	<i>For White Cement Concrete, Add</i>	19.52	
	<i>For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add</i>	21.15	
	<i>For High Early Strength, Type 3 ASTM C150, Add</i>	16.27	
	<i>For Lightweight Aggregate, ASTM C330, Add</i>	48.80	
	<i>For Up To 20, Add</i>	31.22	
	<i>For >20 To 50, Add</i>	11.71	
	<i>For >100 To 200, Deduct</i>	-4.81	
	<i>For >200 To 400, Deduct</i>	-9.63	
	<i>For >400, Deduct</i>	-14.44	
03 31 13 00-0078	CY 12" Thick, By Concrete Pump, Place 3,000 PSI Concrete Walls	225.10	
	Note: Excludes pumping equipment.		
	<i>For 2,000 PSI Concrete, Deduct</i>	-8.78	
	<i>For 2,500 PSI Concrete, Deduct</i>	-4.39	
	<i>For 3,500 PSI Concrete, Add</i>	8.13	
	<i>For 3,750 PSI Concrete, Add</i>	11.06	
	<i>For 4,000 PSI Concrete, Add</i>	13.99	
	<i>For 4,500 PSI Concrete, Add</i>	16.27	
	<i>For 5,000 PSI Concrete, Add</i>	18.54	
	<i>For 6,000 PSI Concrete, Add</i>	43.92	
	<i>For White Cement Concrete, Add</i>	19.52	
	<i>For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add</i>	21.15	
	<i>For High Early Strength, Type 3 ASTM C150, Add</i>	16.27	
	<i>For Lightweight Aggregate, ASTM C330, Add</i>	48.80	
	<i>For Up To 20, Add</i>	24.98	
	<i>For >20 To 50, Add</i>	9.37	
	<i>For >100 To 200, Deduct</i>	-4.50	
	<i>For >200 To 400, Deduct</i>	-9.00	
	<i>For >400, Deduct</i>	-13.51	
03 31 13 00-0079	CY 15" Thick, By Concrete Pump, Place 3,000 PSI Concrete Walls	217.30	
	Note: Excludes pumping equipment.		
	<i>For 2,000 PSI Concrete, Deduct</i>	-8.78	
	<i>For 2,500 PSI Concrete, Deduct</i>	-4.39	
	<i>For 3,500 PSI Concrete, Add</i>	8.13	
	<i>For 3,750 PSI Concrete, Add</i>	11.06	
	<i>For 4,000 PSI Concrete, Add</i>	13.99	
	<i>For 4,500 PSI Concrete, Add</i>	16.27	
	<i>For 5,000 PSI Concrete, Add</i>	18.54	
	<i>For 6,000 PSI Concrete, Add</i>	43.92	
	<i>For White Cement Concrete, Add</i>	19.52	
	<i>For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add</i>	21.15	
	<i>For High Early Strength, Type 3 ASTM C150, Add</i>	16.27	
	<i>For Lightweight Aggregate, ASTM C330, Add</i>	48.80	
	<i>For Up To 20, Add</i>	21.86	
	<i>For >20 To 50, Add</i>	8.20	
	<i>For >100 To 200, Deduct</i>	-4.35	
	<i>For >200 To 400, Deduct</i>	-8.69	
	<i>For >400, Deduct</i>	-13.04	

03 31 13 00-0080 Place Elevated Concrete Stairs (03 31 13 00-0052)



Concrete	03	03
Cast-In-Place Concrete	03 30	
Structural Concrete	03 31	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 31 13 00-0081 CY Crane And Bucket, Place 3,000 PSI Elevated Concrete Stairs	501.44	
For 2,000 PSI Concrete, Deduct	-8.11	
For 2,500 PSI Concrete, Deduct	-4.05	
For 3,500 PSI Concrete, Add	7.51	
For 3,750 PSI Concrete, Add	10.21	
For 4,000 PSI Concrete, Add	12.91	
For 4,500 PSI Concrete, Add	15.02	
For 5,000 PSI Concrete, Add	17.12	
For 6,000 PSI Concrete, Add	40.54	
For White Cement Concrete, Add	18.02	
For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	19.52	
For High Early Strength, Type 3 ASTM C150, Add	15.02	
For Lightweight Aggregate, ASTM C330, Add	45.05	
For Up To 20, Add	140.52	
For >20 To 50, Add	52.69	
For >100 To 200, Deduct	-10.03	
For >200 To 400, Deduct	-20.06	
For >400, Deduct	-30.09	
03 31 13 00-0082 CY Direct Chute, Place 3,000 PSI Elevated Concrete Stairs.....	315.84	
For 2,000 PSI Concrete, Deduct	-8.11	
For 2,500 PSI Concrete, Deduct	-4.05	
For 3,500 PSI Concrete, Add	7.51	
For 3,750 PSI Concrete, Add	10.21	
For 4,000 PSI Concrete, Add	12.91	
For 4,500 PSI Concrete, Add	15.02	
For 5,000 PSI Concrete, Add	17.12	
For 6,000 PSI Concrete, Add	40.54	
For White Cement Concrete, Add	18.02	
For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	19.52	
For High Early Strength, Type 3 ASTM C150, Add	15.02	
For Lightweight Aggregate, ASTM C330, Add	45.05	
For Up To 20, Add	66.28	
For >20 To 50, Add	24.85	
For >100 To 200, Deduct	-6.32	
For >200 To 400, Deduct	-12.63	
For >400, Deduct	-18.95	
03 31 13 00-0083 CY Concrete Pump, Place 3,000 PSI Elevated Concrete Stairs.....	300.73	
Note: Excludes pumping equipment.		
For 2,000 PSI Concrete, Deduct	-8.78	
For 2,500 PSI Concrete, Deduct	-4.39	
For 3,500 PSI Concrete, Add	8.13	
For 3,750 PSI Concrete, Add	11.06	
For 4,000 PSI Concrete, Add	13.99	
For 4,500 PSI Concrete, Add	16.27	
For 5,000 PSI Concrete, Add	18.54	
For 6,000 PSI Concrete, Add	43.92	
For White Cement Concrete, Add	19.52	
For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	21.15	
For High Early Strength, Type 3 ASTM C150, Add	16.27	
For Lightweight Aggregate, ASTM C330, Add	48.80	
For Up To 20, Add	55.23	
For >20 To 50, Add	20.71	
For >100 To 200, Deduct	-6.01	
For >200 To 400, Deduct	-12.03	
For >400, Deduct	-18.04	
03 31 13 00-0084 Place Concrete Coping (03 31 13 00-0052)		
03 31 13 00-0085 CY Crane And Bucket, Place 3,000 PSI Concrete Coping	513.59	
For 2,000 PSI Concrete, Deduct	-8.11	
For 2,500 PSI Concrete, Deduct	-4.05	
For 3,500 PSI Concrete, Add	7.51	
For 3,750 PSI Concrete, Add	10.21	
For 4,000 PSI Concrete, Add	12.91	
For 4,500 PSI Concrete, Add	15.02	
For 5,000 PSI Concrete, Add	17.12	
For 6,000 PSI Concrete, Add	40.54	
For White Cement Concrete, Add	18.02	
For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	19.52	
For High Early Strength, Type 3 ASTM C150, Add	15.02	
For Lightweight Aggregate, ASTM C330, Add	45.05	
For Up To 20, Add	145.38	
For >20 To 50, Add	54.52	
For >100 To 200, Deduct	-10.27	
For >200 To 400, Deduct	-20.54	
For >400, Deduct	-30.82	

03	Concrete
03 30	Cast-In-Place Concrete
03 31	Structural Concrete



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 31	13 00-0086	CY	Direct Chute, Place 3,000 PSI Concrete Coping	314.73	
			For 2,000 PSI Concrete, Deduct	-8.11	
			For 2,500 PSI Concrete, Deduct	-4.05	
			For 3,500 PSI Concrete, Add	7.51	
			For 3,750 PSI Concrete, Add	10.21	
			For 4,000 PSI Concrete, Add	12.91	
			For 4,500 PSI Concrete, Add	15.02	
			For 5,000 PSI Concrete, Add	17.12	
			For 6,000 PSI Concrete, Add	40.54	
			For White Cement Concrete, Add	18.02	
			For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	19.52	
			For High Early Strength, Type 3 ASTM C150, Add	15.02	
			For Lightweight Aggregate, ASTM C330, Add	45.05	
			For Up To 20, Add	65.83	
			For >20 To 50, Add	24.69	
			For >100 To 200, Deduct	-6.29	
			For >200 To 400, Deduct	-12.59	
			For >400, Deduct	-18.88	
03 31	13 00-0087	CY	Concrete Pump, Place 3,000 PSI Concrete Coping.....	411.94	
			Note: Excludes pumping equipment.		
			For 2,000 PSI Concrete, Deduct	-8.78	
			For 2,500 PSI Concrete, Deduct	-4.39	
			For 3,500 PSI Concrete, Add	8.13	
			For 3,750 PSI Concrete, Add	11.06	
			For 4,000 PSI Concrete, Add	13.99	
			For 4,500 PSI Concrete, Add	16.27	
			For 5,000 PSI Concrete, Add	18.54	
			For 6,000 PSI Concrete, Add	43.92	
			For White Cement Concrete, Add	19.52	
			For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	21.15	
			For High Early Strength, Type 3 ASTM C150, Add	16.27	
			For Lightweight Aggregate, ASTM C330, Add	48.80	
			For Up To 20, Add	99.71	
			For >20 To 50, Add	37.39	
			For >100 To 200, Deduct	-8.24	
			For >200 To 400, Deduct	-16.48	
			For >400, Deduct	-24.72	
03 31	13 00-0088		Concrete Pumping With Boom Truck <small>(03 31 13 00-0010)</small>		
			Note: Includes truck rental, operator, and local travel delivery. For delivery/set-up of equipment add one hour, for clean-up of equipment add one hour. Use four hours as the minimum cost including set-up and clean-up. Excludes concrete, use "Concrete Pump" concrete tasks from appropriate section to place into pump hopper and place concrete. Sizes are measured at a 30 degree vertical reach.		
03 31	13 00-0089	HR	55' To 60' Boom Truck For Concrete Placement (95 CY Per Hour Rating)	153.23	
03 31	13 00-0090	HR	70' To 80' Boom Truck For Concrete Placement (117 CY Per Hour Rating)	167.41	
03 31	13 00-0091	HR	90' To 100' Boom Truck For Concrete Placement (117 CY Per Hour Rating)	202.18	
03 31	13 00-0092	HR	105' To 115' Boom Truck For Concrete Placement (117 CY Per Hour Rating)	235.80	
03 31	13 00-0093	HR	120' To 130' Boom Truck For Concrete Placement (170 CY Per Hour Rating)	285.32	
03 31	13 00-0094	HR	135' To 140' Boom Truck For Concrete Placement (170 CY Per Hour Rating)	257.59	
03 31	13 00-0095	HR	148' To 155' Boom Truck For Concrete Placement (170 CY Per Hour Rating)	373.25	
03 31	13 00-0096	HR	170' To 175' Boom Truck For Concrete Placement (182 CY Per Hour Rating)	455.77	
03 31	13 00-0097	HR	35 CY/HR, 66 HP Trailer Mounted Concrete Pump	123.32	
			Note: Includes hoses		
03 31	13 00-0098		Concrete Carts <small>(03 31 13 00-0010)</small>		
			Note: Used to place concrete were necessary.		
03 31	13 00-0099	CY	50' Haul, Non Motorized, Concrete Buggy	20.20	
03 31	13 00-0100	CY	150' Haul, Non Motorized, Concrete Buggy	27.05	
03 31	13 00-0101	CY	250' Haul, Non Motorized, Concrete Buggy	36.08	
03 31	13 00-0102	CY	50' Haul, Motorized, Concrete Buggy	8.58	
03 31	13 00-0103	CY	150' Haul, Motorized, Concrete Buggy.....	11.50	
03 31	13 00-0104	CY	250' Haul, Motorized, Concrete Buggy.....	15.33	
03 31	13 00-0105		Delivery Fee For Small Purchases <small>(03 31 13)</small>		
03 31	13 00-0106	CY	Delivery Fee For Concrete Purchases Per CY For Each CY Less Than 9 CY	16.62	
			Note: The task quantity is 9 minus the number of CY's delivered. For example, the delivery fee for 2CY's is: (9-2) = 7.		
03 31	13 00-0107		Equipment Pads <small>(03 31 13)</small>		
03 31	13 00-0108		Small Concrete Equipment Housekeeping Pad Assemblies <small>(03 31 13 00-0107)</small>		
			Note: Includes forms, hand mix concrete, finish, curing and reinforcing. For up to 50 SF per pad and up to 5 pads per project.		
03 31	13 00-0109	SF	4" Equipment Pad With Welded Wire Reinforcement	14.43	
03 31	13 00-0110	SF	4" Equipment Pad With Rebar	17.70	
03 31	13 00-0111	SF	6" Equipment Pad With Rebar	22.43	
03 31	13 00-0112	SF	8" Equipment Pad With Rebar	28.27	
03 31	13 00-0113		Delivery Fee For Concrete, Per Truck Load <small>(03 31 13)</small>		



Concrete	03	03
Cast-In-Place Concrete	03 30	
Structural Concrete	03 31	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 31 13 00-0114 EA Concrete Delivery Fee, Per Truck..... Note: To be added to all concrete leaving concrete yard	40.00	
03 35 Concrete Finishing (03 30)		
03 35 16 Heavy-Duty Concrete Floor Finishing (03 35)		
03 35 16 00-0001 Floor Finishes (03 35 16)		
Note: Task is for final finish type and includes all required prior finishes.		
03 35 16 00-0002 SF Screed, Concrete Floor Finish.....	0.76	
For Up To 100, Add	1.52	
For >100 To 250, Add	0.38	
For >250 To 500, Add	0.19	
For >5,000 To 10,000, Deduct	-0.04	
For >10,000, Deduct	-0.08	
03 35 16 00-0003 SF Darby, Concrete Floor Finish.....	0.91	
For Up To 100, Add	1.62	
For >100 To 250, Add	0.46	
For >250 To 500, Add	0.23	
For >5,000 To 10,000, Deduct	-0.05	
For >10,000, Deduct	-0.09	
03 35 16 00-0004 SF Broom, Concrete Floor Finish.....	1.01	
For Up To 100, Add	2.02	
For >100 To 250, Add	0.51	
For >250 To 500, Add	0.25	
For >5,000 To 10,000, Deduct	-0.05	
For >10,000, Deduct	-0.10	
03 35 16 00-0005 SF Final Float, Concrete Floor Finish.....	1.17	
For Up To 100, Add	2.34	
For >100 To 250, Add	0.59	
For >250 To 500, Add	0.29	
For >5,000 To 10,000, Deduct	-0.06	
For >10,000, Deduct	-0.12	
03 35 16 00-0006 SF Steel Trowel, Concrete Floor Finish.....	1.33	
For Up To 100, Add	2.66	
For >100 To 250, Add	0.67	
For >250 To 500, Add	0.33	
For >5,000 To 10,000, Deduct	-0.07	
For >10,000, Deduct	-0.13	
03 35 16 00-0007 SF Concrete Floor Finishes, Machine.....	1.17	
For Up To 100, Add	2.34	
For >100 To 250, Add	0.59	
For >250 To 500, Add	0.29	
For >5,000 To 10,000, Deduct	-0.06	
For >10,000, Deduct	-0.12	
03 35 23 Exposed Aggregate Concrete Finishing (03 35)		
03 35 23 00-0001 Exposed Aggregate, Concrete Finish (03 35 23)		
03 35 23 00-0002 SF Exposed Aggregate, Concrete Floor Finish.....	2.20	
03 35 26 Grooved Concrete Surface Finishing (03 35)		
03 35 26 00-0001 Ramp, Grooved Concrete Surface Finishing (03 35 26)		
03 35 26 00-0002 SF Ramp, Grooved Concrete Surface Finishing.....	3.11	
03 35 29 Tooled Concrete Finishing (03 35)		
03 35 29 00-0001 Solid Board Concrete Finish (03 35 29)		
03 35 29 00-0002 SF Solid Board Concrete, Non Uniform Finish, 1 Use, Add To Formwork.....	13.19	
03 35 29 00-0003 Marblecrete Finishes (03 35 29)		
03 35 29 00-0004 SF 2" Thick Marblecrete And Finish.....	35.69	
03 35 29 00-0005 SF 4" Thick Marblecrete And Finish.....	47.80	
03 35 33 Stamped Concrete Finishing (03 35)		
03 35 33 00-0001 Stamped Concrete Finishes (03 35 33)		
03 35 33 00-0002 SF Up To 2,500 SF Stamped Concrete Finish.....	3.01	
03 35 33 00-0003 SF >2,500 To 10,000 SF Stamped Concrete Finish.....	2.72	
03 35 33 00-0004 SF >10,000 SF Stamped Concrete Finish.....	2.60	
03 35 39 Rusticated Concrete Finish (03 35)		
03 35 39 00-0001 Rusticated Concrete Finish (03 35 39)		
03 35 39 00-0002 SF Rusticated Concrete Finish, Beveled Edge, 1 Use, Add To Formwork.....	6.05	
03 35 39 00-0003 SF Rusticated Concrete Finish, Square Edge, 1 Use, Add To Formwork.....	7.93	



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

03 35 43 Polished Concrete Finishing (03 35)

03 35 43 00-0001 Concrete Floor Polishing System (03 35 43)

Note: The floor polishing system below may consist of one or multiple applications of each task/step below depending on existing conditions and desired results.

03 35 43 00-0002	SF Mechanically Grind Concrete Floor With 40 Grit Metal Bonded Diamond Wheels.....	1.07
	<i>For Up To 500, Add</i>	2.08
	<i>For >500 To 1,000, Add</i>	1.93
	<i>For >1,000 To 2,500, Add</i>	1.27
	<i>For >2,500 To 4,000, Add</i>	0.66
	<i>For >8,000 To 15,000, Deduct</i>	-0.26
	<i>For >15,000 To 25,000, Deduct</i>	-0.33
	<i>For >25,000, Deduct</i>	-0.46
03 35 43 00-0003	SF Mechanically Grind Concrete Floor With 80 Grit Metal Bonded Diamond Wheels.....	1.07
	<i>For Up To 500, Add</i>	2.08
	<i>For >500 To 1,000, Add</i>	1.93
	<i>For >1,000 To 2,500, Add</i>	1.27
	<i>For >2,500 To 4,000, Add</i>	0.66
	<i>For >8,000 To 15,000, Deduct</i>	-0.26
	<i>For >15,000 To 25,000, Deduct</i>	-0.33
	<i>For >25,000, Deduct</i>	-0.46
03 35 43 00-0004	SF Mechanically Grind Concrete Floor With 100 Grit Resin Bonded Diamond Wheels.....	0.65
	<i>For Up To 500, Add</i>	1.26
	<i>For >500 To 1,000, Add</i>	1.17
	<i>For >1,000 To 2,500, Add</i>	0.77
	<i>For >2,500 To 4,000, Add</i>	0.40
	<i>For >8,000 To 15,000, Deduct</i>	-0.16
	<i>For >15,000 To 25,000, Deduct</i>	-0.20
	<i>For >25,000, Deduct</i>	-0.28
03 35 43 00-0005	SF Mechanically Grind Concrete Floor With 150 Grit Metal Bonded Diamond Wheels.....	0.93
	<i>For Up To 500, Add</i>	1.80
	<i>For >500 To 1,000, Add</i>	1.67
	<i>For >1,000 To 2,500, Add</i>	1.11
	<i>For >2,500 To 4,000, Add</i>	0.58
	<i>For >8,000 To 15,000, Deduct</i>	-0.22
	<i>For >15,000 To 25,000, Deduct</i>	-0.28
	<i>For >25,000, Deduct</i>	-0.40
03 35 43 00-0006	SF Mechanically Grind Concrete Floor With 200 Grit Resin Bonded Diamond Wheels.....	0.65
	<i>For Up To 500, Add</i>	1.26
	<i>For >500 To 1,000, Add</i>	1.17
	<i>For >1,000 To 2,500, Add</i>	0.77
	<i>For >2,500 To 4,000, Add</i>	0.40
	<i>For >8,000 To 15,000, Deduct</i>	-0.16
	<i>For >15,000 To 25,000, Deduct</i>	-0.20
	<i>For >25,000, Deduct</i>	-0.28
03 35 43 00-0007	SF Mechanically Grind Concrete Floor With 400 Grit Resin Bonded Diamond Wheels.....	0.65
	<i>For Up To 500, Add</i>	1.26
	<i>For >500 To 1,000, Add</i>	1.17
	<i>For >1,000 To 2,500, Add</i>	0.77
	<i>For >2,500 To 4,000, Add</i>	0.40
	<i>For >8,000 To 15,000, Deduct</i>	-0.16
	<i>For >15,000 To 25,000, Deduct</i>	-0.20
	<i>For >25,000, Deduct</i>	-0.28
03 35 43 00-0008	SF Mechanically Grind Concrete Floor With 800 Grit Resin Bonded Diamond Wheels.....	0.65
	<i>For Up To 500, Add</i>	1.26
	<i>For >500 To 1,000, Add</i>	1.17
	<i>For >1,000 To 2,500, Add</i>	0.77
	<i>For >2,500 To 4,000, Add</i>	0.40
	<i>For >8,000 To 15,000, Deduct</i>	-0.16
	<i>For >15,000 To 25,000, Deduct</i>	-0.20
	<i>For >25,000, Deduct</i>	-0.28
03 35 43 00-0009	SF Mechanically Grind Concrete Floor With 1,500 Grit Resin Bonded Diamond Wheels.....	0.65
	<i>For Up To 500, Add</i>	1.26
	<i>For >500 To 1,000, Add</i>	1.17
	<i>For >1,000 To 2,500, Add</i>	0.77
	<i>For >2,500 To 4,000, Add</i>	0.40
	<i>For >8,000 To 15,000, Deduct</i>	-0.16
	<i>For >15,000 To 25,000, Deduct</i>	-0.20
	<i>For >25,000, Deduct</i>	-0.28
03 35 43 00-0010	SF High Speed Burnish Concrete Floor With Diamond Pads.....	0.17
	<i>For Up To 500, Add</i>	0.33
	<i>For >500 To 1,000, Add</i>	0.31
	<i>For >1,000 To 2,500, Add</i>	0.20
	<i>For >2,500 To 4,000, Add</i>	0.11
	<i>For >8,000 To 15,000, Deduct</i>	-0.04
	<i>For >15,000 To 25,000, Deduct</i>	-0.05
	<i>For >25,000, Deduct</i>	-0.07
03 35 43 00-0011	SF Apply 1 Coat Of Concrete Densifier.....	0.22
	<i>For Up To 500, Add</i>	0.43
	<i>For >500 To 1,000, Add</i>	0.40
	<i>For >1,000 To 2,500, Add</i>	0.26
	<i>For >2,500 To 4,000, Add</i>	0.14
	<i>For >8,000 To 15,000, Deduct</i>	-0.05
	<i>For >15,000 To 25,000, Deduct</i>	-0.07
	<i>For >25,000, Deduct</i>	-0.09



Concrete	03	03
Cast-In-Place Concrete	03 30	
Concrete Finishing	03 35	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 35 43 00-0012 SF Apply 2 Coats Of Concrete Densifier With Stain Protector	0.22	
For Up To 500, Add	0.43	
For >500 To 1,000, Add	0.40	
For >1,000 To 2,500, Add	0.26	
For >2,500 To 4,000, Add	0.14	
For >8,000 To 15,000, Deduct	-0.05	
For >15,000 To 25,000, Deduct	-0.07	
For >25,000, Deduct	-0.09	
03 35 43 00-0013 SF Concrete Floor Polishing Final Clean Up	0.11	
For Up To 500, Add	0.21	
For >500 To 1,000, Add	0.20	
For >1,000 To 2,500, Add	0.13	
For >2,500 To 4,000, Add	0.07	
For >8,000 To 15,000, Deduct	-0.03	
For >15,000 To 25,000, Deduct	-0.03	
For >25,000, Deduct	-0.05	
03 35 63 Slip-Resistant Floor Finishing (03 35)		
03 35 63 00-0001 Slip-Resistant Floor Finishing (03 35 63)		
03 35 63 00-0002 SF Aluminum Oxide Abrasive Floor Finish, 0.25 LB/SF	0.90	
For Up To 100, Add	1.46	
For >100 To 250, Add	0.37	
For >250 To 500, Add	0.18	
For >5,000 To 10,000, Deduct	-0.04	
For >10,000, Deduct	-0.07	
03 35 63 00-0003 SF Silicone Carbide Abrasive Floor Finish 0.25 LB/SF	1.02	
For Up To 100, Add	1.46	
For >100 To 250, Add	0.37	
For >250 To 500, Add	0.18	
For >5,000 To 10,000, Deduct	-0.04	
For >10,000, Deduct	-0.07	
03 35 66 Acid Etch Floor Finishing (03 35)		
03 35 66 00-0001 Acid Etch Floor (03 35 66)		
03 35 66 00-0002 SF Concrete Floor Finishes, Etch With Acid And Rinse	0.83	
For Up To 100, Add	0.70	
For >100 To 250, Add	0.18	
For >250 To 500, Add	0.09	
For >5,000 To 10,000, Deduct	-0.02	
For >10,000, Deduct	-0.04	
03 35 83 Wall Finishes (03 35)		
03 35 83 00-0001 Wall Finishes (03 35 83)		
03 35 83 00-0002 SF Burlap Rub With Grout, New Concrete Wall Finishes	1.36	
For Up To 100, Add	2.54	
For >100 To 250, Add	0.64	
For >250 To 500, Add	0.32	
For >5,000 To 10,000, Deduct	-0.06	
For >10,000, Deduct	-0.13	
03 35 83 00-0003 SF 1/16" Float Finish, New Concrete Wall Finishes	2.04	
For Up To 100, Add	3.82	
For >100 To 250, Add	0.96	
For >250 To 500, Add	0.48	
For >5,000 To 10,000, Deduct	-0.10	
For >10,000, Deduct	-0.19	
03 35 83 00-0004 SF Etch With Acid And Rinse, New Concrete Wall Finishes	0.90	
For Up To 100, Add	0.84	
For >100 To 250, Add	0.21	
For >250 To 500, Add	0.11	
For >5,000 To 10,000, Deduct	-0.02	
For >10,000, Deduct	-0.04	
03 35 83 00-0005 SF Bush Hammer Green Concrete, New Concrete Wall Finishes	4.08	
For Up To 100, Add	8.08	
For >100 To 250, Add	2.02	
For >250 To 500, Add	1.01	
For >5,000 To 10,000, Deduct	-0.20	
For >10,000, Deduct	-0.40	
03 35 83 00-0006 SF Bush Hammer Cured Concrete, New Concrete Wall Finishes	6.34	
For Up To 100, Add	12.50	
For >100 To 250, Add	3.13	
For >250 To 500, Add	1.56	
For >5,000 To 10,000, Deduct	-0.31	
For >10,000, Deduct	-0.63	
03 35 83 00-0007 SF Break Ties And Patch, New Concrete Wall Finishes	0.80	
For Up To 100, Add	1.38	
For >100 To 250, Add	0.35	
For >250 To 500, Add	0.17	
For >5,000 To 10,000, Deduct	-0.03	
For >10,000, Deduct	-0.07	

03	Concrete
03 30	Cast-In-Place Concrete
03 35	Concrete Finishing



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 35 83 00-0008 SF Carborundum Dry Rub, New Concrete Wall Finishes.....	2.66	
For Up To 100, Add	5.10	
For >100 To 250, Add	1.28	
For >250 To 500, Add	0.64	
For >5,000 To 10,000, Deduct	-0.13	
For >10,000, Deduct	-0.26	
03 35 83 00-0009 SF Carborundum Wet Rub, New Concrete Wall Finishes.....	4.04	
For Up To 100, Add	7.86	
For >100 To 250, Add	1.97	
For >250 To 500, Add	0.98	
For >5,000 To 10,000, Deduct	-0.20	
For >10,000, Deduct	-0.39	
03 35 83 00-0010 SF Up To 1/4" Penetration Sand Blasting, New Concrete Wall Finishes.....	2.53	
For Up To 100, Add	4.38	
For >100 To 250, Add	1.10	
For >250 To 500, Add	0.55	
For >5,000 To 10,000, Deduct	-0.11	
For >10,000, Deduct	-0.22	
03 35 83 00-0011 SF >1/4" To 1/2" Penetration Sand Blasting, New Concrete Wall Finishes.....	7.11	
For Up To 100, Add	12.84	
For >100 To 250, Add	3.21	
For >250 To 500, Add	1.61	
For >5,000 To 10,000, Deduct	-0.32	
For >10,000, Deduct	-0.64	

03 37 Specialty Placed Concrete (03 30)

Note: Includes gun finish. Not to be used for pumping concrete tasks. See CSI section 03 35 00 00-0000 for finishing.

03 37 13 Shotcrete (03 37)

03 37 13 00-0001 Shotcrete, Fiber Reinforced, Structural Repair (03 37 13)

03 37 13 00-0002 SF 1" Thick Shotcrete, Fiber Reinforced	4.41	
For Up To 25, Add	0.67	
For >25 To 50, Add	0.37	
For >50 To 150, Add	0.11	
03 37 13 00-0003 SF 2" Thick Shotcrete, Fiber Reinforced	8.52	
For Up To 25, Add	1.27	
For >25 To 50, Add	0.70	
For >50 To 150, Add	0.21	
03 37 13 00-0004 SF 3" Thick Shotcrete, Fiber Reinforced	12.37	
For Up To 25, Add	1.80	
For >25 To 50, Add	0.99	
For >50 To 150, Add	0.28	
03 37 13 00-0005 SF 4" Thick Shotcrete, Fiber Reinforced	15.98	
For Up To 25, Add	2.27	
For >25 To 50, Add	1.25	
For >50 To 150, Add	0.33	
03 37 13 00-0006 SF 6" Thick Shotcrete, Fiber Reinforced	22.70	
For Up To 25, Add	3.08	
For >25 To 50, Add	1.68	
For >50 To 150, Add	0.41	

03 37 13 00-0007 Gunite (Dry Mix Shotcrete), Sprayed (03 37 13)

See CSI section 03 22 11 00-0001 for wire mesh reinforcing.

03 37 13 00-0008 SF 1" Thick Gunite (Dry Mix Shotcrete), Sprayed	4.07	
For Radius Or Irregular Surface, Add	0.84	
For Up To 25, Add	0.72	
For >25 To 50, Add	0.41	
For >50 To 150, Add	0.16	
03 37 13 00-0009 SF 2" Thick Gunite (Dry Mix Shotcrete), Sprayed	7.71	
For Radius Or Irregular Surface, Add	1.52	
For Up To 25, Add	1.34	
For >25 To 50, Add	0.76	
For >50 To 150, Add	0.28	
03 37 13 00-0010 SF 3" Thick Gunite (Dry Mix Shotcrete), Sprayed	11.00	
For Radius Or Irregular Surface, Add	2.05	
For Up To 25, Add	1.87	
For >25 To 50, Add	1.06	
For >50 To 150, Add	0.38	
03 37 13 00-0011 SF 4" Thick Gunite (Dry Mix Shotcrete), Sprayed	13.98	
For Radius Or Irregular Surface, Add	2.46	
For Up To 25, Add	2.32	
For >25 To 50, Add	1.31	
For >50 To 150, Add	0.46	
03 37 13 00-0012 SF 5" Thick Gunite (Dry Mix Shotcrete), Sprayed	16.71	
For Radius Or Irregular Surface, Add	2.76	
For Up To 25, Add	2.71	
For >25 To 50, Add	1.53	
For >50 To 150, Add	0.52	
03 37 13 00-0013 SF 6" Thick Gunite (Dry Mix Shotcrete), Sprayed	19.22	
For Radius Or Irregular Surface, Add	2.98	
For Up To 25, Add	3.04	
For >25 To 50, Add	1.71	
For >50 To 150, Add	0.56	



Concrete	03	CS
Cast-In-Place Concrete	03 30	
Specialty Placed Concrete	03 37	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 37 13 00-0014 SF 8" Thick Gunitite (Dry Mix Shotcrete), Sprayed	24.63	
For Radius Or Irregular Surface, Add	3.58	
For Up To 25, Add	3.81	
For >25 To 50, Add	2.13	
For >50 To 150, Add	0.67	
03 37 13 00-0015 SF 10" Thick Gunitite (Dry Mix Shotcrete), Sprayed	29.67	
For Radius Or Irregular Surface, Add	4.03	
For Up To 25, Add	4.48	
For >25 To 50, Add	2.49	
For >50 To 150, Add	0.76	
03 37 13 00-0016 SF 12" Thick Gunitite (Dry Mix Shotcrete), Sprayed	34.39	
For Radius Or Irregular Surface, Add	4.35	
For Up To 25, Add	5.07	
For >25 To 50, Add	2.81	
For >50 To 150, Add	0.82	
03 39 Concrete Curing <small>(03 39)</small>		
03 39 13 Water Concrete Curing <small>(03 39)</small>		
03 39 13 00-0001 Water Concrete Curing <small>(03 39 13)</small>		
03 39 13 00-0002 GAL Water Based Curing, Sealing, Hardening And Dustproofing Compound	18.76	
Note: Coverage rates: rough finish = 300 SF/GAL, broom finish = 300 to 400 SF/GAL, steel troweled = 500 to 600 SF/GAL, and vertical surface = 400 - 500 SF/GAL.		
03 39 23 Membrane Concrete Curing <small>(03 39)</small>		
03 39 23 23 Sheet Membrane Concrete Curing <small>(03 39 23)</small>		
03 39 23 23-0001 Concrete Curing Materials And Compounds <small>(03 39 23 23)</small>		
03 39 23 23-0002 CSF 7.5 Oz Burlap, Concrete Curing Blanket	32.54	
03 39 23 23-0003 CSF 9 Oz Burlap, Concrete Curing Blanket	31.10	
03 39 23 23-0004 CSF 12 Oz Burlap, Concrete Curing Blanket	35.16	
03 39 23 23-0005 CSF 2 Ply Reinforced, Concrete Curing Waterproof Paper	32.29	
03 39 23 23-0006 CSF Curing Paper	10.96	
03 39 33 Concrete Surface Treatments <small>(03 39)</small>		
03 39 33 00-0001 Concrete Surface Treatments <small>(03 39 33)</small>		
03 39 33 00-0002 GAL Acrylic Latex Bonding Agent, 250 SF Per Gallon	102.95	
03 39 33 00-0003 GAL Epoxy Resin Bonding Agent, 80 SF Per Gallon	172.31	
03 39 33 00-0004 SF Clear Acrylic Sealer, Hardener And Dustproofer	0.23	
Note: 300 SF/GAL.		
03 39 33 00-0005 SF Colored Acrylic Sealer, Hardener And Dustproofer	0.24	
Note: 300 SF/GAL.		
03 39 33 00-0006 GAL Clear Acrylic Sealer, Hardener And Dustproofer, 300 SF Per Gallon	69.83	
03 39 33 00-0007 GAL Colored Acrylic Sealer, Hardener And Dustproofer, 300 SF Per Gallon	72.49	
03 39 33 00-0008 Shake On Floor Hardeners <small>(03 39 33)</small>		
03 39 33 00-0009 SF 0.3 LB/SF, Metallic, Shake On Floor Hardener	0.98	
03 39 33 00-0010 SF 0.65 LB/SF, Metallic, Shake On Floor Hardener	1.54	
03 39 33 00-0011 SF 0.3 LB/SF, Non Metallic, Shake On Floor Hardener	0.93	
03 39 33 00-0012 SF 0.65 LB/SF, Non Metallic, Shake On Floor Hardener	1.14	
03 40 Precast Concrete <small>(03)</small>		
Note: Precast concrete material prices are based on a precast operation producing large quantities of precast products. Material prices include the concrete panel, delivery to construction site and overhead/mobilization charges for the precast plant.		
03 41 Precast Structural Concrete <small>(03 40)</small>		
03 41 16 Precast Concrete Slabs <small>(03 41)</small>		
03 41 16 00-0001 Flat Floor Slab/Floor Plank <small>(03 41 16)</small>		
03 41 16 00-0002 Erection Costs For Using A 90 Ton Crawler Crane <small>(03 41 16 00-0001)</small>		
Note: Includes handling, hoisting into place, alignment, bracing and permanent connections. Excludes grouting or caulking joints.		
03 41 16 00-0003 EA Erect Precast Floor Deck, 0-2 Ton/Piece 150' Maximum Radius With 90 Ton Crane	273.96	219.19
03 41 16 00-0004 EA Erect Precast Floor Deck, 2-3 Ton/Piece 121' Maximum Radius With 90 Ton Crane	304.55	243.60
03 41 16 00-0005 EA Erect Precast Floor Deck, 3-4 Ton/Piece 105' Maximum Radius With 90 Ton Crane	323.39	258.70
03 41 16 00-0006 EA Erect Precast Floor Deck, 4-5 Ton/Piece 88' Maximum Radius With 90 Ton Crane	342.83	274.28
03 41 16 00-0007 EA Erect Precast Floor Deck, 5-6 Ton/Piece 82' Maximum Radius With 90 Ton Crane	366.88	293.50
03 41 16 00-0008 EA Erect Precast Floor Deck, 6-7 Ton/Piece 75' Maximum Radius With 90 Ton Crane	392.11	313.68
03 41 16 00-0009 EA Erect Precast Floor Deck, 7-8 Ton/Piece 70' Maximum Radius With 90 Ton Crane	421.05	336.82
03 41 16 00-0010 EA Erect Precast Floor Deck, 8-9 Ton/Piece 65' Maximum Radius With 90 Ton Crane	457.93	366.33
03 41 16 00-0011 EA Erect Precast Floor Deck, 9-10 Ton/Piece 60' Maximum Radius With 90 Ton Crane	497.92	398.38

03 Concrete**03 40 Precast Concrete****03 41 Precast Structural Concrete**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 41 16 00-0012			Material Cost <small>(03 41 16 00-0001)</small> Note: Includes cost for 3000 PSI concrete, reinforcing steel, imbedded items, formwork and precast plant operations cost.		
03 41 16 00-0013	SF		4" Thick 3,000 PSI Concrete, Precast Floor Slab Or Plank, Ready To Erect.....	12.54	
			For 3,500 PSI Concrete, Add	0.25	
			For 4,000 PSI Concrete, Add	0.38	
			For 4,500 PSI Concrete, Add	0.50	
			For 5,000 PSI Concrete, Add	0.75	
03 41 16 00-0014	SF		5" Thick 3,000 PSI Concrete, Precast Floor Slab Or Plank, Ready To Erect.....	15.05	
			For 3,500 PSI Concrete, Add	0.30	
			For 4,000 PSI Concrete, Add	0.45	
			For 4,500 PSI Concrete, Add	0.60	
			For 5,000 PSI Concrete, Add	0.90	
03 41 16 00-0015	SF		6" Thick 3,000 PSI Concrete, Precast Floor Slab Or Plank, Ready To Erect.....	18.40	
			For 3,500 PSI Concrete, Add	0.37	
			For 4,000 PSI Concrete, Add	0.55	
			For 4,500 PSI Concrete, Add	0.74	
			For 5,000 PSI Concrete, Add	1.10	
03 41 16 00-0016	SF		8" Thick 3,000 PSI Concrete, Precast Floor Slab Or Plank, Ready To Erect.....	24.42	
			For 3,500 PSI Concrete, Add	0.49	
			For 4,000 PSI Concrete, Add	0.73	
			For 4,500 PSI Concrete, Add	0.98	
			For 5,000 PSI Concrete, Add	1.47	
03 41 16 00-0017			Floor Units, Combination Beam And Slab <small>(03 41 16)</small>		
03 41 16 00-0018			Erection Costs For Using 90 Ton Crawler Crane <small>(03 41 16 00-0017)</small> Note: Includes handling, hoisting into place, alignment, bracing and permanent connections. Excludes grouting or caulking joints.		
03 41 16 00-0019	EA		Erect Precast Comb Deck, 0-5 Ton/Piece Beam And Slab, 88' Maximum Radius With 90 Ton Crane	339.35	271.47
03 41 16 00-0020	EA		Erect Precast Comb Deck, 5-10 Ton/Piece Beam And Slab, 60' Maximum Radius With 90 Ton Crane	369.88	295.94
03 41 16 00-0021	EA		Erect Precast Comb Deck, 10-15 Ton/Piece Beam And Slab, 43' Maximum Radius With 90 Ton Crane.....	408.81	327.01
03 41 16 00-0022	EA		Erect Precast Comb Deck, 15-20 Ton/Piece Beam And Slab, 36' Maximum Radius With 90 Ton Crane.....	453.94	363.13
03 41 16 00-0023	EA		Erect Precast Comb Deck, 20-25 Ton/Piece Beam And Slab, 31' Maximum Radius With 90 Ton Crane.....	510.26	408.18
03 41 16 00-0024			Erection Costs Using A 125 Ton Crawler Crane <small>(03 41 16 00-0017)</small> Note: Includes handling, hoisting into place, alignment, bracing and permanent connections. Excludes grouting or caulking joints.		
03 41 16 00-0025	EA		Erect Precast Comb Deck, 0-5 Ton/Piece Beam And Slab, 110' Maximum Radius, 125 Ton Crane.....	426.21	340.98
03 41 16 00-0026	EA		Erect Precast Comb Deck, 5-10 Ton/Piece Beam And Slab, 75' Maximum Radius, 125 Ton Crane.....	464.54	371.61
03 41 16 00-0027	EA		Erect Precast Comb Deck, 10-15 Ton/Piece Beam And Slab, 55' Maximum Radius, 125 Ton Crane.....	513.44	410.79
03 41 16 00-0028	EA		Erect Precast Comb Deck, 15-20 Ton/Piece Beam And Slab, 50' Maximum Radius, 125 Ton Crane.....	570.12	456.11
03 41 16 00-0029	EA		Erect Precast Comb Deck, 20-25 Ton/Piece Beam And Slab, 40' Maximum Radius, 125 Ton Crane.....	640.86	512.74
03 41 16 00-0030	EA		Erect Precast Comb Deck, 20-25 Ton/Piece Beam And Slab, 33' Maximum Radius, 125 Ton Crane.....	696.81	557.40
03 41 16 00-0031	EA		Erect Precast Comb Deck, 20-25 Ton/Piece Beam And Slab, 30' Maximum Radius, 125 Ton Crane.....	770.15	616.12
03 41 16 00-0032	EA		Erect Precast Comb Deck, 20-25 Ton/Piece Beam And Slab, 28' Maximum Radius, 125 Ton Crane.....	852.40	681.97
03 41 16 00-0033	EA		Erect Precast Comb Deck, 20-25 Ton/Piece Beam And Slab, 26' Maximum Radius, 125 Ton Crane.....	964.82	771.85
03 41 16 00-0034			Material Cost <small>(03 41 16 00-0017)</small> Note: Includes cost of 3000 PSI concrete, reinforcing steel, imbedded items, formwork and precast plant operation.		
03 41 16 00-0035			4" Slab <small>(03 41 16 00-0034)</small>		
03 41 16 00-0036	CY		Precast Combination Deck, 4" Slab With Beams Edge Beam Only, 3,000 PSI Concrete.....	1,321.28	
			For 3,500 PSI Concrete, Add	26.43	
			For 4,000 PSI Concrete, Add	39.64	
			For 4,500 PSI Concrete, Add	52.85	
			For 5,000 PSI Concrete, Add	79.28	
03 41 16 00-0037	CY		Precast Combination Deck, 4" Slab With Beams Edge Beam + 1 Interim Beam, 3,000 PSI Concrete.....	1,338.00	
			For 3,500 PSI Concrete, Add	26.76	
			For 4,000 PSI Concrete, Add	40.14	
			For 4,500 PSI Concrete, Add	53.52	
			For 5,000 PSI Concrete, Add	80.28	
03 41 16 00-0038	CY		Precast Combination Deck, 4" Slab With Beams Edge Beam + 2 Interim Beam, 3,000 PSI Concrete.....	1,505.25	
			For 3,500 PSI Concrete, Add	30.11	
			For 4,000 PSI Concrete, Add	45.16	
			For 4,500 PSI Concrete, Add	60.21	
			For 5,000 PSI Concrete, Add	90.32	
03 41 16 00-0039			5" Slab <small>(03 41 16 00-0034)</small>		
03 41 16 00-0040	CY		Precast Combination Deck, 5" Slab With Beams Edge Beam Only, 3,000 PSI Concrete.....	1,354.73	
			For 3,500 PSI Concrete, Add	27.09	
			For 4,000 PSI Concrete, Add	40.64	
			For 4,500 PSI Concrete, Add	54.19	
			For 5,000 PSI Concrete, Add	81.28	
03 41 16 00-0041	CY		Precast Combination Deck, 5" Slab With Beams Edge Beam + 1 Interim Beam, 3,000 PSI Concrete.....	1,404.90	
			For 3,500 PSI Concrete, Add	28.10	
			For 4,000 PSI Concrete, Add	42.15	
			For 4,500 PSI Concrete, Add	56.20	
			For 5,000 PSI Concrete, Add	84.29	



	Concrete	03
	Precast Concrete	03 40
	Precast Structural Concrete	03 41

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MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 41 16 00-0042	CY		Precast Combination Deck, 5" Slab With Beams Edge Beam + 2 Interim Beam, 3,000 PSI Concrete.....	1,789.58	
			<i>For 3,500 PSI Concrete, Add</i>	35.79	
			<i>For 4,000 PSI Concrete, Add</i>	53.69	
			<i>For 4,500 PSI Concrete, Add</i>	71.58	
			<i>For 5,000 PSI Concrete, Add</i>	107.37	
03 41 16 00-0043			6" Slab (03 41 16 00-0034)		
03 41 16 00-0044	CY		Precast Combination Deck, 6" Slab With Beams Edge Beam Only, 3,000 PSI Concrete.....	1,404.90	
			<i>For 3,500 PSI Concrete, Add</i>	28.10	
			<i>For 4,000 PSI Concrete, Add</i>	42.15	
			<i>For 4,500 PSI Concrete, Add</i>	56.20	
			<i>For 5,000 PSI Concrete, Add</i>	84.29	
03 41 16 00-0045	CY		Precast Combination Deck, 6" Slab With Beams Edge Beam + 1 Interim Beam, 3,000 PSI Concrete.....	1,672.50	
			<i>For 3,500 PSI Concrete, Add</i>	33.45	
			<i>For 4,000 PSI Concrete, Add</i>	50.18	
			<i>For 4,500 PSI Concrete, Add</i>	66.90	
			<i>For 5,000 PSI Concrete, Add</i>	100.35	
03 41 16 00-0046	CY		Precast Combination Deck, 6" Slab With Beams Edge Beam + 2 Interim Beam, 3,000 PSI Concrete.....	2,040.45	
			<i>For 3,500 PSI Concrete, Add</i>	40.81	
			<i>For 4,000 PSI Concrete, Add</i>	61.21	
			<i>For 4,500 PSI Concrete, Add</i>	81.62	
			<i>For 5,000 PSI Concrete, Add</i>	122.43	
03 41 19			Precast Concrete Wall Panels (03 41)		
03 41 19 00-0001			Structural Wall Panels (03 41 19) Note: Gray, smooth form or board finish one side.		
03 41 19 00-0002			Erection Cost Using 50 Ton Hydraulic Crane (03 41 19 00-0001) Note: Includes handling, hoisting into place, alignment, bracing and permanent connections. Excludes grouting or caulking of joints.		
03 41 19 00-0003	EA		Erect Precast Wall Panel 0-1 Ton/Piece 100' Maximum Radius With 50 Ton Crane.....	269.40	215.54
03 41 19 00-0004	EA		Erect Precast Wall Panel 1-3 Ton/Piece 65' Maximum Radius With 50 Ton Crane.....	299.48	239.55
03 41 19 00-0005	EA		Erect Precast Wall Panel 3-5 Ton/Piece 50' Maximum Radius With 50 Ton Crane.....	337.12	269.72
03 41 19 00-0006	EA		Erect Precast Wall Panel 5-7 Ton/Piece 40' Maximum Radius With 50 Ton Crane.....	360.77	288.61
03 41 19 00-0007	EA		Erect Precast Wall Panel 7-9 Ton/Piece 33' Maximum Radius With 50 Ton Crane.....	385.58	308.46
03 41 19 00-0008	EA		Erect Precast Wall Panel 9-11 Ton/Piece 30' Maximum Radius With 50 Ton Crane.....	414.04	331.21
03 41 19 00-0009	EA		Erect Precast Wall Panel 11-13 Ton/Piece 25' Maximum Radius With 50 Ton Crane.....	450.31	360.23
03 41 19 00-0010	EA		Erect Precast Wall Panel 13-15 Ton/Piece 23' Maximum Radius With 50 Ton Crane.....	489.63	391.75
03 41 19 00-0011			Erection Cost Using 90 Ton Crawler Crane (03 41 19 00-0001) Note: Includes handling, hoisting into place, alignment, bracing and permanent connections. Excludes grouting or caulking of joints.		
03 41 19 00-0012	EA		Erect Precast Wall Panel 0-1 Ton/Piece 180' Maximum Radius With 90 Ton Crane.....	305.27	244.18
03 41 19 00-0013	EA		Erect Precast Wall Panel 1-3 Ton/Piece 121' Maximum Radius With 90 Ton Crane.....	339.35	271.47
03 41 19 00-0014	EA		Erect Precast Wall Panel 3-5 Ton/Piece 89' Maximum Radius With 90 Ton Crane.....	382.00	305.65
03 41 19 00-0015	EA		Erect Precast Wall Panel 5-7 Ton/Piece 75' Maximum Radius With 90 Ton Crane.....	408.81	327.01
03 41 19 00-0016	EA		Erect Precast Wall Panel 7-9 Ton/Piece 65' Maximum Radius With 90 Ton Crane.....	436.92	349.54
03 41 19 00-0017	EA		Erect Precast Wall Panel 9-11 Ton/Piece 55' Maximum Radius With 90 Ton Crane.....	469.17	375.36
03 41 19 00-0018	EA		Erect Precast Wall Panel 11-13 Ton/Piece 50' Maximum Radius With 90 Ton Crane.....	510.26	408.18
03 41 19 00-0019	EA		Erect Precast Wall Panel 13-15 Ton/Piece 43' Maximum Radius With 90 Ton Crane.....	554.82	443.81
03 41 19 00-0020	EA		Erect Precast Wall Panel 15-20 Ton/Piece 36' Maximum Radius With 90 Ton Crane.....	613.22	490.61
03 41 19 00-0021	EA		Erect Precast Wall Panel 20-25 Ton/Piece 31' Maximum Radius With 90 Ton Crane.....	678.71	542.94
03 41 19 00-0022	EA		Erect Precast Wall Panel 25-30 Ton/Piece 26' Maximum Radius With 90 Ton Crane.....	768.20	614.59
03 41 19 00-0023	EA		Erect Precast Wall Panel 30-35 Ton/Piece 25' Maximum Radius With 90 Ton Crane.....	873.84	699.06
03 41 19 00-0024	EA		Erect Precast Wall Panel 35-40 Ton/Piece 23' Maximum Radius With 90 Ton Crane.....	1,013.14	810.52
03 41 19 00-0025			Material Cost (03 41 19 00-0001) Note: Includes cost of 3000 PSI concrete, reinforcing steel, imbedded items, formwork and precast plant operations.		
03 41 19 00-0026	SF		4" Thick 3,000 PSI Concrete, Precast Wall Panel, Ready To Erect.....	16.72	
			<i>For 3,500 PSI Concrete, Add</i>	0.33	
			<i>For 4,000 PSI Concrete, Add</i>	0.50	
			<i>For 4,500 PSI Concrete, Add</i>	0.67	
			<i>For 5,000 PSI Concrete, Add</i>	1.00	
			<i>For White Facing, Add</i>	3.34	
			<i>For Solid White Through Thickness, Add</i>	3.34	
			<i>For Broken Rib Finish, Add</i>	1.67	
			<i>For Fluted Surface, Add</i>	1.67	
			<i>For Exposed Aggregate, Add</i>	3.34	
			<i>For Sandblasting Of Surface, Add</i>	1.67	
			<i>For 2" Polystyrene Insulation, Add</i>	1.15	

03 Concrete**03 40 Precast Concrete****03 41 Precast Structural Concrete**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 41 19 00-0027 SF 5" Thick 3,000 PSI Concrete, Precast Wall Panel, Ready To Erect.....	20.57	
For 3,500 PSI Concrete, Add	0.41	
For 4,000 PSI Concrete, Add	0.62	
For 4,500 PSI Concrete, Add	0.82	
For 5,000 PSI Concrete, Add	1.23	
For White Facing, Add	4.11	
For Solid White Through Thickness, Add	4.11	
For Broken Rib Finish, Add	2.06	
For Fluted Surface, Add	2.06	
For Exposed Aggregate, Add	4.11	
For Sandblasting Of Surface, Add	2.06	
For 2" Polystyrene Insulation, Add	1.15	
03 41 19 00-0028 SF 6" Thick 3,000 PSI Concrete, Precast Wall Panel, Ready To Erect.....	24.75	
For 3,500 PSI Concrete, Add	0.50	
For 4,000 PSI Concrete, Add	0.74	
For 4,500 PSI Concrete, Add	0.99	
For 5,000 PSI Concrete, Add	1.49	
For White Facing, Add	4.95	
For Solid White Through Thickness, Add	4.95	
For Broken Rib Finish, Add	2.48	
For Fluted Surface, Add	2.48	
For Exposed Aggregate, Add	4.95	
For Sandblasting Of Surface, Add	2.48	
For 2" Polystyrene Insulation, Add	1.15	
03 41 19 00-0029 SF 8" Thick 3,000 PSI Concrete, Precast Wall Panel, Ready To Erect.....	32.61	
For 3,500 PSI Concrete, Add	0.65	
For 4,000 PSI Concrete, Add	0.98	
For 4,500 PSI Concrete, Add	1.30	
For 5,000 PSI Concrete, Add	1.96	
For White Facing, Add	6.52	
For Solid White Through Thickness, Add	6.52	
For Broken Rib Finish, Add	3.26	
For Fluted Surface, Add	3.26	
For Exposed Aggregate, Add	6.52	
For Sandblasting Of Surface, Add	3.26	
For 2" Polystyrene Insulation, Add	1.15	
03 41 19 00-0030 Partition Panels (03 41 19)		
03 41 19 00-0031 Erection Costs Using 20 Ton Hydraulic Crane (03 41 19 00-0030)		
Note: Includes handling, hoisting into place, alignment, bracing and permanent connections. Excludes grouting or caulking joints.		
03 41 19 00-0032 EA Erect Precast Partition Wall 0-1 Ton/Piece 69' Maximum Radius With 20 Ton Crane.....	221.94	177.53
03 41 19 00-0033 EA Erect Precast Partition Wall 1-2 Ton/Piece 50' Maximum Radius With 20 Ton Crane.....	246.72	197.40
03 41 19 00-0034 EA Erect Precast Partition Wall 2-3 Ton/Piece 41' Maximum Radius With 20 Ton Crane.....	277.73	222.18
03 41 19 00-0035 EA Erect Precast Partition Wall 3-4 Ton/Piece 33' Maximum Radius With 20 Ton Crane.....	317.66	254.13
03 41 19 00-0036 EA Erect Precast Partition Wall 4-5 Ton/Piece 30' Maximum Radius With 20 Ton Crane.....	341.11	272.91
03 41 19 00-0037 EA Erect Precast Partition Wall 5-6 Ton/Piece 26' Maximum Radius With 20 Ton Crane.....	370.98	296.79
03 41 19 00-0038 EA Erect Precast Partition Wall 6-7 Ton/Piece 23' Maximum Radius With 20 Ton Crane.....	403.37	322.74
03 41 19 00-0039 EA Erect Precast Partition Wall 7-8 Ton/Piece 20' Maximum Radius With 20 Ton Crane.....	445.83	356.68
03 41 19 00-0040 Erection Costs Using 50 Ton Hydraulic Crane (03 41 19 00-0030)		
Note: Includes handling, hoisting in place, alignment, bracing and permanent connections. Excludes grouting or caulking of joints.		
03 41 19 00-0041 EA Erect Precast Partition Wall 0-1 Ton/Piece 100' Maximum Radius With 50 Ton Crane.....	269.40	215.54
03 41 19 00-0042 EA Erect Precast Partition Wall 1-2 Ton/Piece 82' Maximum Radius With 50 Ton Crane.....	299.48	239.55
03 41 19 00-0043 EA Erect Precast Partition Wall 2-3 Ton/Piece 65' Maximum Radius With 50 Ton Crane.....	337.12	269.72
03 41 19 00-0044 EA Erect Precast Partition Wall 3-4 Ton/Piece 57' Maximum Radius With 50 Ton Crane.....	385.58	308.46
03 41 19 00-0045 EA Erect Precast Partition Wall 4-5 Ton/Piece 50' Maximum Radius With 50 Ton Crane.....	414.04	331.21
03 41 19 00-0046 EA Erect Precast Partition Wall 5-6 Ton/Piece 44' Maximum Radius With 50 Ton Crane.....	450.31	360.23
03 41 19 00-0047 EA Erect Precast Partition Wall 6-7 Ton/Piece 40' Maximum Radius With 50 Ton Crane.....	489.63	391.75
03 41 19 00-0048 EA Erect Precast Partition Wall 7-8 Ton/Piece 36' Maximum Radius With 50 Ton Crane.....	541.17	432.91
03 41 19 00-0049 EA Erect Precast Partition Wall 8-10 Ton/Piece 31' Maximum Radius With 50 Ton Crane.....	598.96	479.18
03 41 19 00-0050 EA Erect Precast Partition Wall 10-12 Ton/Piece 26' Maximum Radius With 50 Ton Crane.....	677.94	542.32
03 41 19 00-0051 EA Erect Precast Partition Wall 12-14 Ton/Piece 25' Maximum Radius With 50 Ton Crane.....	771.17	616.93
03 41 19 00-0052 EA Erect Precast Partition Wall 14-16 Ton/Piece 21' Maximum Radius With 50 Ton Crane.....	894.10	715.25
03 41 19 00-0053 Material Cost (03 41 19 00-0030)		
Note: Includes cost of 3000 PSI concrete, reinforcing steel, imbedded items, formwork and precast plant operations.		
03 41 19 00-0054 SF 4" Thick 3,000 PSI Concrete, Precast Partition Wall, Ready To Erect.....	15.89	
For 4,000 PSI Concrete, Add	0.48	
For 4,500 PSI Concrete, Add	0.64	
For 5,000 PSI Concrete, Add	0.95	
For White Facing, Add	3.18	
For Solid White Through Thickness, Add	3.18	
For Broken Rib Finish, Add	1.59	
For Fluted Surface, Add	1.59	
For Exposed Aggregate, Add	3.18	
For Sandblasting Of Surface, Add	1.59	



Concrete	03	CS
Precast Concrete	03 40	
Precast Structural Concrete	03 41	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 41 19 00-0055 SF 5" Thick 3,000 PSI Concrete, Precast Partition Wall, Ready To Erect.....	19.57	
For 4,000 PSI Concrete, Add	0.59	
For 4,500 PSI Concrete, Add	0.78	
For 5,000 PSI Concrete, Add	1.17	
For White Facing, Add	3.91	
For Solid White Through Thickness, Add	3.91	
For Broken Rib Finish, Add	1.96	
For Fluted Surface, Add	1.96	
For Exposed Aggregate, Add	3.91	
For Sandblasting Of Surface, Add	1.96	
03 41 19 00-0056 SF 6" Thick 3,000 PSI Concrete, Precast Partition Wall, Ready To Erect.....	23.42	
For 4,000 PSI Concrete, Add	0.70	
For 4,500 PSI Concrete, Add	0.94	
For 5,000 PSI Concrete, Add	1.41	
For White Facing, Add	4.68	
For Solid White Through Thickness, Add	4.68	
For Broken Rib Finish, Add	2.34	
For Fluted Surface, Add	2.34	
For Exposed Aggregate, Add	4.68	
For Sandblasting Of Surface, Add	2.34	
03 41 19 00-0057 SF 8" Thick 3,000 PSI Concrete, Precast Partition Wall, Ready To Erect.....	30.94	
For 4,000 PSI Concrete, Add	0.93	
For 4,500 PSI Concrete, Add	1.24	
For 5,000 PSI Concrete, Add	1.86	
For White Facing, Add	6.19	
For Solid White Through Thickness, Add	6.19	
For Broken Rib Finish, Add	3.09	
For Fluted Surface, Add	3.09	
For Exposed Aggregate, Add	6.19	
For Sandblasting Of Surface, Add	3.09	
03 41 19 00-0058 Cladding Panels (03 41 19)		
03 41 19 00-0059 Erection Costs Using 50 Ton Hydraulic Crane (03 41 19 00-0058)		
Note: Includes handling, hoisting into place, alignment, bracing and permanent connections. Excludes grouting or caulking joints.		
03 41 19 00-0060 EA Erect Precast Cladding 0-1 Ton/Piece 100' Maximum Radius With 50 Ton Crane.....	284.30	227.40
03 41 19 00-0061 EA Erect Precast Cladding 1-3 Ton/Piece 65' Maximum Radius With 50 Ton Crane.....	318.01	254.39
03 41 19 00-0062 EA Erect Precast Cladding 3-5 Ton/Piece 50' Maximum Radius With 50 Ton Crane.....	360.77	288.61
03 41 19 00-0063 EA Erect Precast Cladding 5-7 Ton/Piece 40' Maximum Radius With 50 Ton Crane.....	385.58	308.46
03 41 19 00-0064 EA Erect Precast Cladding 7-9 Ton/Piece 33' Maximum Radius With 50 Ton Crane.....	414.04	331.21
03 41 19 00-0065 EA Erect Precast Cladding 9-11 Ton/Piece 30' Maximum Radius With 50 Ton Crane.....	450.31	360.23
03 41 19 00-0066 EA Erect Precast Cladding 11-13 Ton/Piece 25' Maximum Radius With 50 Ton Crane.....	489.63	391.75
03 41 19 00-0067 EA Erect Precast Cladding 13-15 Ton/Piece 23' Maximum Radius With 50 Ton Crane.....	541.17	432.91
03 41 19 00-0068 Erection Costs Using 90 Ton Crawler Crane (03 41 19 00-0058)		
Note: Includes handling, hoisting into place, alignment, bracing and permanent connections. Excludes grouting or caulking joints.		
03 41 19 00-0069 EA Erect Precast Cladding 0-1 Ton/Piece 180' Maximum Radius With 90 Ton Crane.....	322.16	257.68
03 41 19 00-0070 EA Erect Precast Cladding 1-3 Ton/Piece 121' Maximum Radius With 90 Ton Crane.....	360.34	288.27
03 41 19 00-0071 EA Erect Precast Cladding 3-5 Ton/Piece 89' Maximum Radius With 90 Ton Crane.....	408.81	327.01
03 41 19 00-0072 EA Erect Precast Cladding 5-7 Ton/Piece 75' Maximum Radius With 90 Ton Crane.....	436.92	349.54
03 41 19 00-0073 EA Erect Precast Cladding 7-9 Ton/Piece 65' Maximum Radius With 90 Ton Crane.....	469.17	375.36
03 41 19 00-0074 EA Erect Precast Cladding 9-11 Ton/Piece 55' Maximum Radius With 90 Ton Crane.....	510.26	408.18
03 41 19 00-0075 EA Erect Precast Cladding 11-13 Ton/Piece 45' Maximum Radius With 90 Ton Crane.....	554.82	443.81
03 41 19 00-0076 EA Erect Precast Cladding 13-15 Ton/Piece 43' Maximum Radius With 90 Ton Crane.....	613.22	490.61
03 41 19 00-0077 EA Erect Precast Cladding 15-20 Ton/Piece 36' Maximum Radius With 90 Ton Crane.....	678.71	542.94
03 41 19 00-0078 EA Erect Precast Cladding 20-25 Ton/Piece 31' Maximum Radius With 90 Ton Crane.....	768.20	614.59
03 41 19 00-0079 EA Erect Precast Cladding 25-30 Ton/Piece 26' Maximum Radius With 90 Ton Crane.....	873.84	699.06
03 41 19 00-0080 EA Erect Precast Cladding 30-35 Ton/Piece 25' Maximum Radius With 90 Ton Crane.....	1,013.14	810.52
03 41 19 00-0081 Material Cost (03 41 19 00-0058)		
Note: Includes cost of 3000 PSI concrete, reinforcing steel, imbedded items, formwork, and precast plant operations.		
03 41 19 00-0082 SF 4" Thick 3,000 PSI Concrete, Precast Cladding Panel, Ready To Erect.....	15.89	
For 3,500 PSI Concrete, Add	0.32	
For 4,000 PSI Concrete, Add	0.48	
For 4,500 PSI Concrete, Add	0.64	
For 5,000 PSI Concrete, Add	0.95	
For White Facing, Add	3.18	
For Solid White Through Thickness, Add	3.18	
For Broken Rib Finish, Add	1.59	
For Fluted Surface, Add	1.59	
For Exposed Aggregate, Add	3.18	
For Sandblasting Of Surface, Add	1.59	

03 Concrete**03 40 Precast Concrete****03 41 Precast Structural Concrete**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 41 19 00-0083	SF		5" Thick 3,000 PSI Concrete, Precast Cladding Panel, Ready To Erect.....	19.57	
			For 3,500 PSI Concrete, Add	0.39	
			For 4,000 PSI Concrete, Add	0.59	
			For 4,500 PSI Concrete, Add	0.78	
			For 5,000 PSI Concrete, Add	1.17	
			For White Facing, Add	3.91	
			For Solid White Through Thickness, Add	3.91	
			For Broken Rib Finish, Add	1.96	
			For Fluted Surface, Add	1.96	
			For Exposed Aggregate, Add	3.91	
			For Sandblasting Of Surface, Add	1.96	
03 41 19 00-0084	SF		6" Thick 3,000 PSI Concrete, Precast Cladding Panel, Ready To Erect.....	23.42	
			For 3,500 PSI Concrete, Add	0.47	
			For 4,000 PSI Concrete, Add	0.70	
			For 4,500 PSI Concrete, Add	0.94	
			For 5,000 PSI Concrete, Add	1.41	
			For White Facing, Add	4.68	
			For Solid White Through Thickness, Add	4.68	
			For Broken Rib Finish, Add	2.34	
			For Fluted Surface, Add	2.34	
			For Exposed Aggregate, Add	4.68	
			For Sandblasting Of Surface, Add	2.34	
03 41 19 00-0085	SF		8" Thick 3,000 PSI Concrete, Precast Cladding Panel, Ready To Erect.....	30.94	
			For 3,500 PSI Concrete, Add	0.62	
			For 4,000 PSI Concrete, Add	0.93	
			For 4,500 PSI Concrete, Add	1.24	
			For 5,000 PSI Concrete, Add	1.86	
			For White Facing, Add	6.19	
			For Solid White Through Thickness, Add	6.19	
			For Broken Rib Finish, Add	3.09	
			For Fluted Surface, Add	3.09	
			For Exposed Aggregate, Add	6.19	
			For Sandblasting Of Surface, Add	3.09	
03 41 19 00-0086			Sandwich Panel (03 41 19)		
03 41 19 00-0087			Erection Costs Using 50 Ton Hydraulic Crane (03 41 19 00-0086)		
			Note: Includes handling, hoisting into place, alignment, bracing and permanent connections. Excludes grouting or caulking joints.		
03 41 19 00-0088	EA		Erect Precast Sandwich Panel 0-1 Ton/Piece 100' Maximum Radius With 50 Ton Crane	284.30	227.40
03 41 19 00-0089	EA		Erect Precast Sandwich Panel 1-3 Ton/Piece 65' Maximum Radius With 50 Ton Crane	318.01	254.39
03 41 19 00-0090	EA		Erect Precast Sandwich Panel 3-5 Ton/Piece 50' Maximum Radius With 50 Ton Crane	360.77	288.61
03 41 19 00-0091	EA		Erect Precast Sandwich Panel 5-7 Ton/Piece 40' Maximum Radius With 50 Ton Crane	385.58	308.46
03 41 19 00-0092	EA		Erect Precast Sandwich Panel 7-9 Ton/Piece 33' Maximum Radius With 50 Ton Crane	414.04	331.21
03 41 19 00-0093	EA		Erect Precast Sandwich Panel 9-11 Ton/Piece 30' Maximum Radius With 50 Ton Crane	450.31	360.23
03 41 19 00-0094	EA		Erect Precast Sandwich Panel 11-13 Ton/Piece 25' Maximum Radius With 50 Ton Crane	489.63	391.75
03 41 19 00-0095	EA		Erect Precast Sandwich Panel 13-15 Ton/Piece 23' Maximum Radius With 50 Ton Crane	541.17	432.91
03 41 19 00-0096			Erection Costs Using 90 Ton Crawler Crane (03 41 19 00-0086)		
			Note: Includes handling, hoisting into place, alignment, bracing and permanent connections. Excludes grouting or caulking joints.		
03 41 19 00-0097	EA		Erect Precast Sandwich Panel 0-1 Ton/Piece 180' Maximum Radius With 90 Ton Crane	289.12	231.25
03 41 19 00-0098	EA		Erect Precast Sandwich Panel 1-3 Ton/Piece 121' Maximum Radius With 90 Ton Crane	323.39	258.70
03 41 19 00-0099	EA		Erect Precast Sandwich Panel 3-5 Ton/Piece 89' Maximum Radius With 90 Ton Crane	366.88	293.50
03 41 19 00-0100	EA		Erect Precast Sandwich Panel 5-7 Ton/Piece 75' Maximum Radius With 90 Ton Crane	392.11	313.68
03 41 19 00-0101	EA		Erect Precast Sandwich Panel 7-9 Ton/Piece 65' Maximum Radius With 90 Ton Crane	421.05	336.82
03 41 19 00-0102	EA		Erect Precast Sandwich Panel 9-11 Ton/Piece 55' Maximum Radius With 90 Ton Crane	457.93	366.33
03 41 19 00-0103	EA		Erect Precast Sandwich Panel 11-13 Ton/Piece 50' Maximum Radius With 90 Ton Crane	497.92	398.38
03 41 19 00-0104	EA		Erect Precast Sandwich Panel 13-15 Ton/Piece 43' Maximum Radius With 90 Ton Crane	550.33	440.24
03 41 19 00-0105	EA		Erect Precast Sandwich Panel 15-20 Ton/Piece 36' Maximum Radius With 90 Ton Crane	609.10	487.29
03 41 19 00-0106	EA		Erect Precast Sandwich Panel 20-25 Ton/Piece 31' Maximum Radius With 90 Ton Crane	689.42	551.50
03 41 19 00-0107	EA		Erect Precast Sandwich Panel 25-30 Ton/Piece 26' Maximum Radius With 90 Ton Crane	784.22	627.37
03 41 19 00-0108	EA		Erect Precast Sandwich Panel 30-35 Ton/Piece 25' Maximum Radius With 90 Ton Crane	909.24	727.36
03 41 19 00-0109			Material Cost (03 41 19 00-0086)		
			Note: Includes cost of 3000 PSI concrete, reinforcing steel, imbedded items, formwork, and precast plant operations. Sandwich panel consists of 2.5" cladding panel, 2" fiber board insulation and the structural panel as defined.		
03 41 19 00-0110	SF		4" Thick 3,000 PSI Concrete, Precast Sandwich Panel, Ready To Erect	21.74	
			For 3,500 PSI Concrete, Add	0.43	
			For 4,000 PSI Concrete, Add	0.65	
			For 4,500 PSI Concrete, Add	0.87	
			For 5,000 PSI Concrete, Add	1.30	
			For White Facing, Add	4.35	
			For Solid White Through Thickness, Add	4.35	
			For Broken Rib Finish, Add	2.17	
			For Fluted Surface, Add	2.17	
			For Exposed Aggregate, Add	4.35	
			For Sandblasting Of Surface, Add	2.17	



	Concrete	03	
	Precast Concrete	03 40	03
	Precast Structural Concrete	03 41	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 41 19 00-0111 SF 5" Thick 3,000 PSI Concrete, Precast Sandwich Panel, Ready To Erect	25.59	
For 3,500 PSI Concrete, Add	0.51	
For 4,000 PSI Concrete, Add	0.77	
For 4,500 PSI Concrete, Add	1.02	
For 5,000 PSI Concrete, Add	1.54	
For White Facing, Add	5.12	
For Solid White Through Thickness, Add	5.12	
For Broken Rib Finish, Add	2.56	
For Fluted Surface, Add	2.56	
For Exposed Aggregate, Add	5.12	
For Sandblasting Of Surface, Add	2.56	
03 41 19 00-0112 SF 6" Thick 3,000 PSI Concrete, Precast Sandwich Panel, Ready To Erect	29.77	
For 3,500 PSI Concrete, Add	0.60	
For 4,000 PSI Concrete, Add	0.89	
For 4,500 PSI Concrete, Add	1.19	
For 5,000 PSI Concrete, Add	1.79	
For White Facing, Add	5.95	
For Solid White Through Thickness, Add	5.95	
For Broken Rib Finish, Add	2.98	
For Fluted Surface, Add	2.98	
For Exposed Aggregate, Add	5.95	
For Sandblasting Of Surface, Add	2.98	
03 41 19 00-0113 SF 8" Thick 3,000 PSI Concrete, Precast Sandwich Panel, Ready To Erect	37.63	
For 3,500 PSI Concrete, Add	0.75	
For 4,000 PSI Concrete, Add	1.13	
For 4,500 PSI Concrete, Add	1.51	
For 5,000 PSI Concrete, Add	2.26	
For White Facing, Add	7.53	
For Solid White Through Thickness, Add	7.53	
For Broken Rib Finish, Add	3.76	
For Fluted Surface, Add	3.76	
For Exposed Aggregate, Add	7.53	
For Sandblasting Of Surface, Add	3.76	

03 41 23 Precast Concrete Stairs (03 41)

03 41 23 00-0001 Erection Costs Using A 50 Ton Hydraulic Crane (03 41 23)

Note: Includes handling, hoisting into place, alignment, bracing and permanent connections. Excludes grouting or caulking joints.

03 41 23 00-0002 EA Erect Precast Stairs, 0-2 Ton/Piece 82' Maximum Radius With 50 Ton Crane.....	299.48	239.55
03 41 23 00-0003 EA Erect Precast Stairs, 2-3 Ton/Piece 65' Maximum Radius With 50 Ton Crane.....	318.01	254.39
03 41 23 00-0004 EA Erect Precast Stairs, 3-4 Ton/Piece 57' Maximum Radius With 50 Ton Crane.....	337.12	269.72
03 41 23 00-0005 EA Erect Precast Stairs, 4-5 Ton/Piece 50' Maximum Radius With 50 Ton Crane.....	360.77	288.61
03 41 23 00-0006 EA Erect Precast Stairs, 5-6 Ton/Piece 44' Maximum Radius With 50 Ton Crane.....	385.58	308.46
03 41 23 00-0007 EA Erect Precast Stairs, 6-7 Ton/Piece 40' Maximum Radius With 50 Ton Crane.....	414.04	331.21
03 41 23 00-0008 EA Erect Precast Stairs, 7-8 Ton/Piece 36' Maximum Radius With 50 Ton Crane.....	450.31	360.23
03 41 23 00-0009 EA Erect Precast Stairs, 8-9 Ton/Piece 33' Maximum Radius With 50 Ton Crane.....	489.63	391.75

03 41 23 00-0010 Erection Costs Using A 90 Ton Crawler Crane (03 41 23)

Note: Includes handling, hoisting into place, alignment, bracing and permanent connections. Excludes grouting or caulking joints.

03 41 23 00-0011 EA Erect Precast Stairs, 0-2 Ton/Piece 151' Maximum Radius With 90 Ton Crane.....	299.48	239.55
03 41 23 00-0012 EA Erect Precast Stairs, 2-3 Ton/Piece 121' Maximum Radius With 90 Ton Crane.....	318.01	254.39
03 41 23 00-0013 EA Erect Precast Stairs, 3-4 Ton/Piece 105' Maximum Radius With 90 Ton Crane.....	337.12	269.72
03 41 23 00-0014 EA Erect Precast Stairs, 4-5 Ton/Piece 89' Maximum Radius With 90 Ton Crane.....	360.77	288.61
03 41 23 00-0015 EA Erect Precast Stairs, 5-6 Ton/Piece 82' Maximum Radius With 90 Ton Crane.....	385.58	308.46
03 41 23 00-0016 EA Erect Precast Stairs, 6-7 Ton/Piece 75' Maximum Radius With 90 Ton Crane.....	414.04	331.21
03 41 23 00-0017 EA Erect Precast Stairs, 7-8 Ton/Piece 70' Maximum Radius With 90 Ton Crane.....	450.31	360.23
03 41 23 00-0018 EA Erect Precast Stairs, 8-9 Ton/Piece 65' Maximum Radius With 90 Ton Crane.....	489.63	391.75

03 41 23 00-0019 Material Cost (03 41 23)

Note: Includes cost of 3000 PSI concrete, reinforcing steel, imbedded items, formwork and precast operations.

03 41 23 00-0020 EA 3' Wide With 10-1/2" Depth Treads Precast Concrete Stair Unit, Per Riser.....	335.19	
For 3,500 PSI Concrete, Add	43.74	
For 4,000 PSI Concrete, Add	82.19	
For 4,500 PSI Concrete, Add	120.80	
For 5,000 PSI Concrete, Add	164.34	

03 41 26 Precast Concrete Structural Sections (03 41)

03 41 26 00-0001 Precast Beams, Girder And Joists (03 41 26)

03 41 26 00-0002 Erection Costs Using A 90 Ton Crawler Crane (03 41 26 00-0001)

Note: Includes handling, hoisting into place, alignment, bracing and permanent connections. Excludes grouting or caulking joints.

03 41 26 00-0003 EA Erect Precast Structural Sections, 0-5 Ton/Piece Beam, Girder, Joist; 89' Maximum Radius, 90 Ton Crane	382.00	305.65
03 41 26 00-0004 EA Erect Precast Structural Sections, 5-10 Ton/Piece Beam, Girder, Joist; 60' Maximum Radius, 90 Ton Crane	408.81	327.01
03 41 26 00-0005 EA Erect Precast Structural Sections, 10-15 Ton/Piece Beam, Girder, Joist; 43' Maximum Radius, 90 Ton Crane	436.92	349.54
03 41 26 00-0006 EA Erect Precast Structural Sections, 15-20 Ton/Piece Beam, Girder, Joist; 36' Maximum Radius, 90 Ton Crane	469.17	375.36

03 Concrete**03 40 Precast Concrete****03 41 Precast Structural Concrete**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 41 26 00-0007 Erection Costs Using A 125 Ton Crawler Crane <small>(03 41 26 00-0001)</small> Note: Includes handling, hoisting into place, alignment, bracing and permanent connections. Excludes grouting or caulking joints.		
03 41 26 00-0008 EA Erect Precast Structural Sections, 0-5 Ton/Piece Beam, Girder, Joist; 110' Maximum Radius, 125 Ton Crane.....	479.77	383.78
03 41 26 00-0009 EA Erect Precast Structural Sections, 5-10 Ton/Piece Beam, Girder, Joist; 75' Maximum Radius, 125 Ton Crane.....	513.44	410.79
03 41 26 00-0010 EA Erect Precast Structural Sections, 10-15 Ton/Piece Beam, Girder, Joist; 55' Maximum Radius, 125 Ton Crane.....	548.73	438.99
03 41 26 00-0011 EA Erect Precast Structural Sections, 15-20 Ton/Piece Beam, Girder, Joist; 50' Maximum Radius, 125 Ton Crane.....	589.25	471.36
03 41 26 00-0012 EA Erect Precast Structural Sections, 20-25 Ton/Piece Beam, Girder, Joist; 40' Maximum Radius, 125 Ton Crane.....	640.86	512.74
03 41 26 00-0013 EA Erect Precast Structural Sections, 25-30 Ton/Piece Beam, Girder, Joist; 33' Maximum Radius, 125 Ton Crane.....	696.81	557.40
03 41 26 00-0014 EA Erect Precast Structural Sections, 30-35 Ton/Piece Beam, Girder, Joist; 30' Maximum Radius, 125 Ton Crane.....	770.15	616.12
03 41 26 00-0015 EA Erect Precast Structural Sections, 35-40 Ton/Piece Beam, Girder, Joist; 28' Maximum Radius, 125 Ton Crane.....	852.40	681.97
 03 41 26 00-0016 Material Cost <small>(03 41 26 00-0001)</small> Note: Includes cost of 3000 PSI concrete, reinforcing steel, imbedded items, formwork, and precast plant operations.		
03 41 26 00-0017 1,000 LB/LF Live Load <small>(03 41 26 00-0016)</small>		
03 41 26 00-0018 LF Precast Structural Sections, 1,000 LB/LF, 15' Span Live Load, Span, 3,000 PSI.....	67.03	
For 3,500 PSI Concrete, Add	1.83	
For 4,000 PSI Concrete, Add	2.75	
For 4,500 PSI Concrete, Add	3.66	
For 5,000 PSI Concrete, Add	5.50	
03 41 26 00-0019 LF Precast Structural Sections, 1,000 LB/LF, 20' Span Live Load, Span, 3,000 PSI.....	83.78	
For 3,500 PSI Concrete, Add	2.29	
For 4,000 PSI Concrete, Add	3.43	
For 4,500 PSI Concrete, Add	4.57	
For 5,000 PSI Concrete, Add	6.87	
03 41 26 00-0020 LF Precast Structural Sections, 1,000 LB/LF, 30' Span Live Load, Span, 3,000 PSI.....	100.54	
For 3,500 PSI Concrete, Add	2.74	
For 4,000 PSI Concrete, Add	4.12	
For 4,500 PSI Concrete, Add	5.49	
For 5,000 PSI Concrete, Add	8.24	
 03 41 26 00-0021 3,000 LB/LF Live Load <small>(03 41 26 00-0016)</small>		
03 41 26 00-0022 LF Precast Structural Sections, 3,000 LB/LF, 15' Span Live Load, Span, 3,000 PSI.....	83.78	
For 3,500 PSI Concrete, Add	2.29	
For 4,000 PSI Concrete, Add	3.43	
For 4,500 PSI Concrete, Add	4.57	
For 5,000 PSI Concrete, Add	6.87	
03 41 26 00-0023 LF Precast Structural Sections, 3,000 LB/LF, 20' Span Live Load, Span, 3,000 PSI.....	100.54	
For 3,500 PSI Concrete, Add	2.74	
For 4,000 PSI Concrete, Add	4.12	
For 4,500 PSI Concrete, Add	5.49	
For 5,000 PSI Concrete, Add	8.24	
03 41 26 00-0024 LF Precast Structural Sections, 3,000 LB/LF, 30' Span Live Load, Span, 3,000 PSI.....	134.06	
For 3,500 PSI Concrete, Add	3.66	
For 4,000 PSI Concrete, Add	5.50	
For 4,500 PSI Concrete, Add	7.32	
For 5,000 PSI Concrete, Add	10.99	
 03 41 26 00-0025 5,000 LB/LF Live Load <small>(03 41 26 00-0016)</small>		
03 41 26 00-0026 LF Precast Structural Sections, 5,000 LB/LF, 15' Span Live Load, Span, 3,000 PSI.....	117.30	
For 3,500 PSI Concrete, Add	3.20	
For 4,000 PSI Concrete, Add	4.81	
For 4,500 PSI Concrete, Add	6.40	
For 5,000 PSI Concrete, Add	9.62	
03 41 26 00-0027 LF Precast Structural Sections, 5,000 LB/LF, 20' Span Live Load, Span, 3,000 PSI.....	134.06	
For 3,500 PSI Concrete, Add	3.66	
For 4,000 PSI Concrete, Add	5.50	
For 4,500 PSI Concrete, Add	7.32	
For 5,000 PSI Concrete, Add	10.99	
03 41 26 00-0028 LF Precast Structural Sections, 5,000 LB/LF, 30' Span Live Load, Span, 3,000 PSI.....	167.57	
For 3,500 PSI Concrete, Add	4.57	
For 4,000 PSI Concrete, Add	6.87	
For 4,500 PSI Concrete, Add	9.15	
For 5,000 PSI Concrete, Add	13.74	
 03 41 26 00-0029 Precast Concrete Columns <small>(03 41 26)</small>		
03 41 26 00-0030 Erection Costs Using A 90 Ton Crawler Crane <small>(03 41 26 00-0029)</small> Note: Includes handling, hoisting into place, alignment, bracing and permanent connections. Excludes grouting or caulking joints.		
03 41 26 00-0031 EA Erect Precast Concrete Columns, 0-3 Ton/Piece 121' Maximum Radius With 90 Ton Crane	219.36	175.47
03 41 26 00-0032 EA Erect Precast Concrete Columns, 3-5 Ton/Piece 89' Maximum Radius With 90 Ton Crane	233.22	186.55
03 41 26 00-0033 EA Erect Precast Concrete Columns, 5-7 Ton/Piece 75' Maximum Radius With 90 Ton Crane	249.95	199.98
03 41 26 00-0034 EA Erect Precast Concrete Columns, 7-9 Ton/Piece 65' Maximum Radius With 90 Ton Crane	268.11	214.49
03 41 26 00-0035 EA Erect Precast Concrete Columns, 9-11 Ton/Piece 55' Maximum Radius With 90 Ton Crane	289.12	231.25
03 41 26 00-0036 EA Erect Precast Concrete Columns, 11-13 Ton/Piece 50' Maximum Radius With 90 Ton Crane	313.68	250.95
03 41 26 00-0037 EA Erect Precast Concrete Columns, 13-15 Ton/Piece 43' Maximum Radius With 90 Ton Crane	342.83	274.28



Concrete	03	03
Precast Concrete	03 40	
Precast Structural Concrete	03 41	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 41 26 00-0038 Material Cost <small>(03 41 26 00-0029)</small> Note: Includes cost of 3000 PSI concrete, reinforcing steel, imbedded items, formwork, and precast operations.		
03 41 26 00-0039 12" x 12" Column, Square, Tied <small>(03 41 26 00-0038)</small>		
03 41 26 00-0040 CY 12" x 12" Precast Column, Tied, Average Reinforced 351 LB/CY	346.92	
For 3,500 PSI Concrete, Add	26.02	
For 4,000 PSI Concrete, Add	48.92	
For 4,500 PSI Concrete, Add	72.16	
For 5,000 PSI Concrete, Add	98.18	
03 41 26 00-0041 16" x 16" Column, Square, Tied <small>(03 41 26 00-0038)</small>		
03 41 26 00-0042 CY 16" x 16" Precast Column, Tied, Average Reinforced 368 LB/CY	355.49	
For 3,500 PSI Concrete, Add	26.66	
For 4,000 PSI Concrete, Add	50.12	
For 4,500 PSI Concrete, Add	73.94	
For 5,000 PSI Concrete, Add	100.60	
03 41 26 00-0043 20" x 20" Column, Square, Tied <small>(03 41 26 00-0038)</small>		
03 41 26 00-0044 CY 20" x 20" Precast Column, Tied, Average Reinforced 357 LB/CY	356.17	
For 3,500 PSI Concrete, Add	26.71	
For 4,000 PSI Concrete, Add	50.22	
For 4,500 PSI Concrete, Add	74.08	
For 5,000 PSI Concrete, Add	100.80	
03 41 26 00-0045 24" x 24" Column, Square, Tied <small>(03 41 26 00-0038)</small>		
03 41 26 00-0046 CY 24" x 24" Precast Column, Tied, Average Reinforced 365 LB/CY	356.17	
For 3,500 PSI Concrete, Add	26.71	
For 4,000 PSI Concrete, Add	50.22	
For 4,500 PSI Concrete, Add	74.08	
For 5,000 PSI Concrete, Add	100.80	
03 41 26 00-0047 28" x 28" Column, Square, Tied <small>(03 41 26 00-0038)</small>		
03 41 26 00-0048 CY 28" x 28" Precast Column, Tied, Average Reinforced 347 LB/CY	356.17	
For 3,500 PSI Concrete, Add	26.71	
For 4,000 PSI Concrete, Add	50.22	
For 4,500 PSI Concrete, Add	74.08	
For 5,000 PSI Concrete, Add	100.80	
03 41 26 00-0049 32" x 32" Column, Square, Tied <small>(03 41 26 00-0038)</small>		
03 41 26 00-0050 CY 32" x 32" Precast Column, Tied, Average Reinforced 351 LB/CY	355.49	
For 3,500 PSI Concrete, Add	26.66	
For 4,000 PSI Concrete, Add	50.12	
For 4,500 PSI Concrete, Add	73.94	
For 5,000 PSI Concrete, Add	100.60	
03 41 26 00-0051 36" x 36" Column, Square, Tied <small>(03 41 26 00-0038)</small>		
03 41 26 00-0052 CY 36" x 36" Precast Column, Tied, Average Reinforced 278 LB/CY	356.17	
For 3,500 PSI Concrete, Add	26.71	
For 4,000 PSI Concrete, Add	50.22	
For 4,500 PSI Concrete, Add	74.08	
For 5,000 PSI Concrete, Add	100.80	
03 41 33 Precast Structural Pretensioned Concrete <small>(03 41)</small>		
03 41 33 00-0001 Slabs, Roof And Floor Members <small>(03 41 33)</small>		
03 41 33 00-0002 SF 4" Thick Precast Prestressed Slab, 12-16' Span Roof/Floor.....	8.14	1.78
03 41 33 00-0003 SF 6" Thick Precast Prestressed Slab, 16-25' Span Roof/Floor.....	9.93	1.78
03 41 33 00-0004 SF 8" Thick Precast Prestressed Slab, 25-32' Span Roof/Floor.....	11.73	1.87
03 41 33 00-0005 SF 10" Thick Precast Prestressed Slab, 32-40' Span Roof/Floor.....	13.53	1.96
03 41 33 00-0006 Tee Members <small>(03 41 33)</small>		
03 41 33 00-0007 Multiple Tee, Roof And Floor <small>(03 41 33 00-0006)</small>		
03 41 33 00-0008 SF Prestressed Multiple Tee, Roof And Floor Members	17.29	2.31
03 41 33 00-0009 Double Tee Wall Member <small>(03 41 33 00-0006)</small>		
03 41 33 00-0010 SF Prestressed Double Tee Wall Members Precast Concrete, <40' Span.....	26.33	6.31
03 41 33 00-0011 Single Tee, Short Span, Roof Members <small>(03 41 33 00-0006)</small>		
03 41 33 00-0012 SF Prestressed Single Tee, Short Span Roof Precast Concrete Members, <40' Span.....	21.00	3.82

03	Concrete
03 40	Precast Concrete
03 41	Precast Structural Concrete



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 41 33 00-0013 Single Tee, Long Span, Roof Members (03 41 33 00-0006)		
03 41 33 00-0014 SF Prestressed Single Tee, Long Span Roof Precast Concrete Members, <40' Span	24.45	3.30
03 41 33 00-0015 Prestressed Concrete Items (03 41 33)		
03 41 33 00-0016 Prestressed Quad Tee (03 41 33 00-0015)		
03 41 33 00-0017 SF Tees, Prestressed Quad Tee, Short Spans, Roof.....	11.96	0.71
03 41 33 00-0018 SF Tees, Prestressed Quad Tee, Short Spans, Floor	12.46	0.71
03 41 33 00-0019 Prestressed Double Tee (03 41 33 00-0015)		
03 41 33 00-0020 SF Tees, Double Tee, Floor Members , 60' Span	19.53	0.63
03 41 33 00-0021 SF Tees, Double Tee, Floor Members , 80' Span	26.78	0.63
03 41 33 00-0022 SF Tees, Double Tee, Roof Members, 30' Span	13.71	1.07
03 41 33 00-0023 SF Tees, Double Tee, Roof Members, 50' Span	20.72	0.71
03 41 33 00-0024 SF Tees, Double Tee, Wall Members, Up To 55' High.....	15.03	1.42
03 41 33 00-0025 Prestressed Single Tee (03 41 33 00-0015)		
03 41 33 00-0026 SF Tees, Single Tee Roof Members, 40' Span	23.66	1.60
03 41 33 00-0027 SF Tees, Single Tee Roof Members, 80' Span	26.85	0.98
03 41 33 00-0028 SF Tees, Single Tee Roof Members, 100' Span	35.29	0.89
03 41 33 00-0029 SF Tees, Single Tee Roof Members, 120' Span	37.13	0.89
03 41 33 00-0030 Prestressed Double Tee Floor Members (03 41 33 00-0015)		
03 41 33 00-0031 EA Tees, Double Tees, Floor Members, Lightweight, 20" X 8' Wide, 45'	6,018.31	256.12
03 41 33 00-0032 EA Tees, Double Tees, Floor Members, Lightweight, 24" X 8' Wide, 50'	6,556.63	284.57
03 41 33 00-0033 EA Tees, Double Tees, Floor Members, Lightweight, 32" X 10' Wide, 60'	10,874.63	320.15
03 41 33 00-0034 EA Tees, Double Tees, Floor Members, Standard Weight, 12" X 8' Wide, 25'	2,436.28	232.91
03 41 33 00-0035 EA Tees, Double Tees, Floor Members, Standard Weight, 16" X 8' Wide, 25'	3,169.25	256.12
03 41 33 00-0036 EA Tees, Double Tees, Floor Members, Standard Weight, 18" X 8' Wide, 35'	4,007.21	256.12
03 41 33 00-0037 EA Tees, Double Tees, Floor Members, Standard Weight, 20" X 8' Wide, 45'	4,461.73	284.57
03 41 33 00-0038 EA Tees, Double Tees, Floor Members, Standard Weight, 24" X 8' Wide, 50'	5,679.28	320.15
03 41 33 00-0039 EA Tees, Double Tees, Floor Members, Standard Weight, 32" X 10' Wide, 60'	10,094.06	366.03
03 41 33 00-0040 Prestressed Double Tee Roof Members (03 41 33 00-0015)		
03 41 33 00-0041 EA Tees, Double Tees, Roof Members, Lightweight, 20" X 8' Wide, 45'	4,761.37	256.12
03 41 33 00-0042 EA Tees, Double Tees, Roof Members, Lightweight, 24" X 8' Wide, 50'	6,221.44	284.57
03 41 33 00-0043 EA Tees, Double Tees, Roof Members, Lightweight, 32" X 10' Wide, 60'	10,120.47	320.15
03 41 33 00-0044 EA Tees, Double Tees, Roof Members, Standard Weight, 12" X 8' Wide, 30'	3,223.96	232.91
03 41 33 00-0045 EA Tees, Double Tees, Roof Members, Standard Weight, 16" X 8' Wide, 30'	3,403.87	256.12
03 41 33 00-0046 EA Tees, Double Tees, Roof Members, Standard Weight, 18" X 8' Wide, 30'	3,755.82	256.12
03 41 33 00-0047 EA Tees, Double Tees, Roof Members, Standard Weight, 20" X 8' Wide, 40'	3,875.15	284.57
03 41 33 00-0048 EA Tees, Double Tees, Roof Members, Standard Weight, 24" X 8' Wide, 50'	5,092.71	320.15
03 41 33 00-0049 EA Tees, Double Tees, Roof Members, Standard Weight, 32" X 10' Wide, 60'	8,669.53	366.03
03 41 33 00-0050 Plant Produced Pretensioned Prestressed Concrete Hollow Core Slab (03 41 33)		
03 41 33 00-0051 SF Hollow Core Slab, 4" Slab, 12' - 16' Spans, Plant Produced Pretensioned Prestressed Concrete	12.56	
03 41 33 00-0052 SF Hollow Core Slab, 6" Slab, 16' - 25' Spans, Plant Produced Pretensioned Prestressed Concrete	13.11	
03 41 33 00-0053 SF Hollow Core Slab, 8" Slab, 25' - 30' Spans, Plant Produced Pretensioned Prestressed Concrete	13.82	
03 41 33 00-0054 SF Hollow Core Slab, 10" Slab, 30' - 35' Spans, Plant Produced Pretensioned Prestressed Concrete	14.39	
03 41 33 00-0055 SF Hollow Core Slab, 12" Slab, 35' - 40' Spans, Plant Produced Pretensioned Prestressed Concrete	15.51	
03 41 33 00-0056 Double And Single Tees (03 41 33)		
03 41 33 00-0057 Double And Single Tees With 16" Roof And Floor Loading (03 41 33 00-0056)		
03 41 33 00-0058 SF Double Tee With 16" Roof Loading, 30' Span, Pretensioned Prestressed Concrete	15.36	
03 41 33 00-0059 SF Double Tee With 16" Roof Loading, 40' Span, Pretensioned Prestressed Concrete	14.97	
03 41 33 00-0060 SF Double Tee With 16" Roof Loading, 45' Span, Pretensioned Prestressed Concrete	14.12	
03 41 33 00-0061 SF Double Tee With 16" Floor Loading, 30' Span, Pretensioned Prestressed Concrete.....	15.36	
03 41 33 00-0062 SF Double Tee With 16" Floor Loading, 40' Span, Pretensioned Prestressed Concrete.....	15.27	
03 41 33 00-0063 SF Single Tee With 16" Roof Loading, 30' Span, Pretensioned Prestressed Concrete.....	23.20	
03 41 33 00-0064 SF Single Tee With 16" Roof Loading, 40' Span, Pretensioned Prestressed Concrete.....	22.66	
03 41 33 00-0065 SF Single Tee With 16" Roof Loading, 45' Span, Pretensioned Prestressed Concrete.....	21.21	
03 41 33 00-0066 SF Single Tee With 16" Floor Loading, 30' Span, Pretensioned Prestressed Concrete.....	23.20	
03 41 33 00-0067 SF Single Tee With 16" Floor Loading, 40' Span, Pretensioned Prestressed Concrete.....	21.75	
03 41 33 00-0068 Double And Single Tees With 24" Roof And Floor Loading (03 41 33 00-0056)		
03 41 33 00-0069 SF Double Tee With 24" Roof Loading, 30' Span, Pretensioned Prestressed Concrete	15.81	
03 41 33 00-0070 SF Double Tee With 24" Roof Loading, 40' Span, Pretensioned Prestressed Concrete	15.42	
03 41 33 00-0071 SF Double Tee With 24" Roof Loading, 45' Span, Pretensioned Prestressed Concrete	14.88	
03 41 33 00-0072 SF Double Tee With 24" Floor Loading, 30' Span, Pretensioned Prestressed Concrete.....	15.81	



Concrete	03	03
Precast Concrete	03 40	
Precast Structural Concrete	03 41	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 41 33 00-0073 SF Double Tee With 24" Floor Loading, 40' Span, Pretensioned Prestressed Concrete	15.27	
03 41 33 00-0074 SF Single Tee With 24" Roof Loading, 30' Span, Pretensioned Prestressed Concrete	23.80	
03 41 33 00-0075 SF Single Tee With 24" Roof Loading, 40' Span, Pretensioned Prestressed Concrete	23.26	
03 41 33 00-0076 SF Single Tee With 24" Roof Loading, 45' Span, Pretensioned Prestressed Concrete	22.42	
03 41 33 00-0077 SF Single Tee With 24" Floor Loading, 30' Span, Pretensioned Prestressed Concrete.....	23.80	
03 41 33 00-0078 SF Single Tee With 24" Floor Loading, 40' Span, Pretensioned Prestressed Concrete.....	23.11	
03 41 33 00-0079 Double And Single Tees With 32" Roof And Floor Loading <small>(03 41 33 00-0056)</small>		
03 41 33 00-0080 SF Double Tee With 32" Roof Load, 50' Span, Pretensioned Prestressed Concrete.....	16.70	
03 41 33 00-0081 SF Double Tee With 32" Roof Load, 60' Span, Pretensioned Prestressed Concrete.....	16.16	
03 41 33 00-0082 SF Double Tee With 32" Roof Load, 70' Span, Pretensioned Prestressed Concrete.....	15.60	
03 41 33 00-0083 SF Single Tee With 32" Roof Load, 50' Span, Pretensioned Prestressed Concrete	25.30	
03 41 33 00-0084 SF Single Tee With 32" Roof Load, 60' Span, Pretensioned Prestressed Concrete	24.46	
03 41 33 00-0085 SF Single Tee With 32" Roof Load, 70' Span, Pretensioned Prestressed Concrete	23.44	
03 48 Precast Concrete Specialties <small>(03 40)</small>		
03 48 16 Precast Concrete Splash Blocks <small>(03 48)</small>		
03 48 16 00-0001 Precast Concrete Splash Blocks <small>(03 48 16)</small>		
03 48 16 00-0002 EA Precast Concrete Splash Blocks, Standard Size	19.37	3.25
03 48 21 Precast Concrete Handrails <small>(03 48)</small>		
03 48 21 00-0001 Installation Cost <small>(03 48 21)</small>		
Note: Includes handling, hoisting into place, alignment, and permanent connections. Excludes grouting.		
03 48 21 00-0002 EA Install Precast Handrails, 0-2 Ton/Handrail.....	125.89	56.67
03 48 21 00-0003 EA Install Precast Handrails, Over 2 Ton/Handrail	150.98	67.91
03 48 21 00-0004 Material Cost <small>(03 48 21)</small>		
Note: Includes 3000 PSI concrete, imbedded items, formwork and precast operations.		
03 48 21 00-0005 CY 4" Thick 3,000 PSI Concrete Precast Concrete Handrail.....	1,324.02	
For 3,500 PSI Concrete, Add	86.39	
For 4,000 PSI Concrete, Add	162.32	
For 4,500 PSI Concrete, Add	238.59	
For 5,000 PSI Concrete, Add	324.58	
03 48 21 00-0006 CY 5" Thick 3,000 PSI Concrete Precast Concrete Handrail.....	1,374.30	
For 3,500 PSI Concrete, Add	89.67	
For 4,000 PSI Concrete, Add	168.49	
For 4,500 PSI Concrete, Add	247.65	
For 5,000 PSI Concrete, Add	336.91	
03 48 21 00-0007 CY 6" Thick 3,000 PSI Concrete Precast Concrete Handrail.....	1,424.58	
For 3,500 PSI Concrete, Add	92.95	
For 4,000 PSI Concrete, Add	174.65	
For 4,500 PSI Concrete, Add	256.71	
For 5,000 PSI Concrete, Add	349.24	
03 48 21 00-0008 CY 8" Thick 3,000 PSI Concrete Precast Concrete Handrail.....	1,491.62	
For 3,500 PSI Concrete, Add	97.33	
For 4,000 PSI Concrete, Add	182.87	
For 4,500 PSI Concrete, Add	268.79	
For 5,000 PSI Concrete, Add	365.67	
03 48 22 Precast Concrete Sun Screen And Trellis <small>(03 48)</small>		
03 48 22 00-0001 Sun Screen Blades <small>(03 48 22)</small>		
03 48 22 00-0002 Installation Cost <small>(03 48 22 00-0001)</small>		
Note: Includes handling, hoisting into place, alignment, bracing, and permanent connections.		
03 48 22 00-0003 EA Install Precast Sun Screen Blade, 0-1 Ton/Each.....	62.95	28.34
03 48 22 00-0004 EA Install Precast Sun Screen Blade, 1-2 Ton/Each	75.62	34.01
03 48 22 00-0005 EA Install Precast Sun Screen Blade, 2-3 Ton/Each	94.48	42.55
03 48 22 00-0006 Material Cost <small>(03 48 22 00-0001)</small>		
Note: Includes 3000 PSI concrete, imbedded items, formwork and precast concrete operations.		
03 48 22 00-0007 CY 4" Thick 3,000 PSI Concrete Precast Sun Screen Blades.....	1,407.82	
For 3,500 PSI Concrete, Add	91.86	
For 4,000 PSI Concrete, Add	172.60	
For 4,500 PSI Concrete, Add	253.69	
For 5,000 PSI Concrete, Add	345.13	
03 48 22 00-0008 CY 5" Thick 3,000 PSI Concrete Precast Sun Screen Blades.....	1,458.10	
For 3,500 PSI Concrete, Add	95.14	
For 4,000 PSI Concrete, Add	178.76	
For 4,500 PSI Concrete, Add	262.75	
For 5,000 PSI Concrete, Add	357.45	

03 Concrete**03 40 Precast Concrete****03 48 Precast Concrete Specialties**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 48 22 00-0009 CY 6" Thick 3,000 PSI Concrete Precast Sun Screen Blades	1,525.14	
For 3,500 PSI Concrete, Add	99.52	
For 4,000 PSI Concrete, Add	186.98	
For 4,500 PSI Concrete, Add	274.83	
For 5,000 PSI Concrete, Add	373.89	
03 48 22 00-0010 CY 8" Thick 3,000 PSI Concrete Precast Sun Screen Blades	1,592.18	
For 3,500 PSI Concrete, Add	103.89	
For 4,000 PSI Concrete, Add	195.20	
For 4,500 PSI Concrete, Add	286.91	
For 5,000 PSI Concrete, Add	390.32	
03 48 22 00-0011 Sun Screen/Trellis Units (03 48 22)		
03 48 22 00-0012 Installation Cost Using A 50 Ton Hydraulic Crane (03 48 22 00-0011)		
Note: Includes handling, hoisting into place, alignment, bracing and permanent to connections.		
03 48 22 00-0013 EA Install Precast Trellis, 0-1 Tons/Unit 100' Maximum Radius With 50 Ton Crane	284.30	127.91
03 48 22 00-0014 EA Install Precast Trellis, 1-3 Tons/Unit 65' Maximum Radius With 50 Ton Crane	318.01	143.15
03 48 22 00-0015 EA Install Precast Trellis, 3-5 Tons/Unit 50' Maximum Radius With 50 Ton Crane	360.77	162.33
03 48 22 00-0016 EA Install Precast Trellis, 5-7 Tons/Unit 40' Maximum Radius With 50 Ton Crane	385.58	173.51
03 48 22 00-0017 Material Cost (03 48 22 00-0011)		
Note: Includes 3000 PSI concrete, imbedded items, formwork and precast concrete operations.		
03 48 22 00-0018 CY 4" Thick 3,000 PSI Concrete Precast Trellises Blades	1,625.70	
For 3,500 PSI Concrete, Add	106.08	
For 4,000 PSI Concrete, Add	199.31	
For 4,500 PSI Concrete, Add	292.95	
For 5,000 PSI Concrete, Add	398.54	
03 48 22 00-0019 CY 5" Thick 3,000 PSI Concrete Precast Trellises Blades	1,675.98	
For 3,500 PSI Concrete, Add	109.36	
For 4,000 PSI Concrete, Add	205.48	
For 4,500 PSI Concrete, Add	302.01	
For 5,000 PSI Concrete, Add	410.87	
03 48 22 00-0020 CY 6" Thick 3,000 PSI Concrete Precast Trellises Blades	1,743.02	
For 3,500 PSI Concrete, Add	113.73	
For 4,000 PSI Concrete, Add	213.69	
For 4,500 PSI Concrete, Add	314.09	
For 5,000 PSI Concrete, Add	427.30	
03 48 22 00-0021 CY 8" Thick 3,000 PSI Concrete Precast Trellises Blades	1,826.81	
For 3,500 PSI Concrete, Add	119.20	
For 4,000 PSI Concrete, Add	223.97	
For 4,500 PSI Concrete, Add	329.19	
For 5,000 PSI Concrete, Add	447.84	
03 48 24 Precast Minaret Segments (03 48)		
03 48 24 00-0001 Installation Costs Using A 50 Ton Hydraulic Crane (03 48 24)		
Note: Includes handling, hoisting into place, alignment, bracing and permanent connections.		
03 48 24 00-0002 L - Shaped Segments (03 48 24 00-0001)		
03 48 24 00-0003 EA Install Minaret, L-Shape Segment, 0-1 Ton/Each 100' Maximum Radius With 50 Ton Crane	276.65	221.32
03 48 24 00-0004 EA Install Minaret, L-Shape Segment, 1-3 Ton/Each 65' Maximum Radius With 50 Ton Crane	310.01	248.02
03 48 24 00-0005 EA Install Minaret, L-Shape Segment, 3-5 Ton/Each 50' Maximum Radius With 50 Ton Crane	350.53	280.42
03 48 24 00-0006 EA Install Minaret, L-Shape Segment, 5-7 Ton/Each 40' Maximum Radius With 50 Ton Crane	373.90	299.11
03 48 24 00-0007 O - Shaped Segments (03 48 24 00-0001)		
03 48 24 00-0008 EA Install Minaret, O-Shape Segment, 0-1 Ton/Each 100' Maximum Radius With 50 Ton Crane	292.38	233.95
03 48 24 00-0009 EA Install Minaret, O-Shape Segment, 1-3 Ton/Each 65' Maximum Radius With 50 Ton Crane	328.15	262.49
03 48 24 00-0010 EA Install Minaret, O-Shape Segment, 3-5 Ton/Each 50' Maximum Radius With 50 Ton Crane	371.64	297.29
03 48 24 00-0011 EA Install Minaret, O-Shape Segment, 5-7 Ton/Each 40' Maximum Radius With 50 Ton Crane	398.02	318.39
03 48 24 00-0012 Platform Segment (03 48 24 00-0001)		
03 48 24 00-0013 EA Install Minaret, Platform Segments, 0-1 Ton/Each 100' Maximum Radius With 50 Ton Crane.....	560.85	448.72
03 48 24 00-0014 EA Install Minaret, Platform Segments, 1-3 Ton/Each 65' Maximum Radius With 50 Ton Crane.....	677.94	542.32
03 48 24 00-0015 EA Install Minaret, Platform Segments, 3-5 Ton/Each 50' Maximum Radius With 50 Ton Crane.....	752.35	601.89
03 48 24 00-0016 EA Install Minaret, Platform Segments, 5-7 Ton/Each 40' Maximum Radius With 50 Ton Crane.....	845.11	676.12
03 48 24 00-0017 Cap Segment (03 48 24 00-0001)		
03 48 24 00-0018 EA Install Minaret, Cap Segments, 0-1 Ton/Each 100' Maximum Radius With 50 Ton Crane	306.93	245.52
03 48 24 00-0019 EA Install Minaret, Cap Segments, 1-3 Ton/Each 65' Maximum Radius With 50 Ton Crane	342.74	274.14
03 48 24 00-0020 EA Install Minaret, Cap Segments, 3-5 Ton/Each 50' Maximum Radius With 50 Ton Crane	390.46	312.32
03 48 24 00-0021 EA Install Minaret, Cap Segments, 5-7 Ton/Each 40' Maximum Radius With 50 Ton Crane	416.84	333.43
03 48 24 00-0022 Installation Costs Using A 90 Ton Crawler Crane (03 48 24)		
Note: Includes handling, hoisting into place, alignment, bracing and permanent connections. Excludes grouting and caulking of joints.		
03 48 24 00-0023 L - Shaped Segments (03 48 24 00-0022)		



Concrete	03	CS
Precast Concrete	03 40	
Precast Concrete Specialties	03 48	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 48 24 00-0024 EA Install Minaret, L-Shaped Segments, 0-1 Ton/Each 180' Maximum Radius With 90 Ton Crane	281.33	225.07
03 48 24 00-0025 EA Install Minaret, L-Shaped Segments, 1-3 Ton/Each 135' Maximum Radius With 90 Ton Crane	315.26	252.22
03 48 24 00-0026 EA Install Minaret, L-Shaped Segments, 3-5 Ton/Each 100' Maximum Radius With 90 Ton Crane	356.47	285.16
03 48 24 00-0027 EA Install Minaret, L-Shaped Segments, 5-7 Ton/Each 79' Maximum Radius With 90 Ton Crane	380.23	304.18
03 48 24 00-0028 O - Shaped Segment (03 48 24 00-0022)		
03 48 24 00-0029 EA Install Minaret, O-Shaped Segments, 0-1 Ton/Each 180' Maximum Radius With 90 Ton Crane	297.33	237.91
03 48 24 00-0030 EA Install Minaret, O-Shaped Segments, 1-3 Ton/Each 135' Maximum Radius With 90 Ton Crane	333.71	266.93
03 48 24 00-0031 EA Install Minaret, O-Shaped Segments, 3-5 Ton/Each 100' Maximum Radius With 90 Ton Crane	377.93	302.32
03 48 24 00-0032 EA Install Minaret, O-Shaped Segments, 5-7 Ton/Each 79' Maximum Radius With 90 Ton Crane	404.76	323.78
03 48 24 00-0033 Platform Segment (03 48 24 00-0022)		
03 48 24 00-0034 EA Install Minaret, Platform Segment, 0-1 Ton/Each 180' Maximum Radius With 90 Ton Crane	454.62	363.68
03 48 24 00-0035 EA Install Minaret, Platform Segment, 1-3 Ton/Each 135' Maximum Radius With 90 Ton Crane	550.33	440.24
03 48 24 00-0036 EA Install Minaret, Platform Segment, 3-5 Ton/Each 100' Maximum Radius With 90 Ton Crane	609.10	487.29
03 48 24 00-0037 EA Install Minaret, Platform Segment, 5-7 Ton/Each 79' Maximum Radius With 90 Ton Crane	689.42	551.50
03 48 24 00-0038 Cap Segment (03 48 24 00-0022)		
03 48 24 00-0039 EA Install Minaret, Cap Segment, 0-1 Ton/Each 180' Maximum Radius With 90 Ton Crane	312.13	249.67
03 48 24 00-0040 EA Install Minaret, Cap Segment, 1-3 Ton/Each 135' Maximum Radius With 90 Ton Crane	348.54	278.79
03 48 24 00-0041 EA Install Minaret, Cap Segment, 3-5 Ton/Each 100' Maximum Radius With 90 Ton Crane	397.07	317.61
03 48 24 00-0042 EA Install Minaret, Cap Segment, 5-7 Ton/Each 79' Maximum Radius With 90 Ton Crane	423.90	339.07
03 48 24 00-0043 Material Costs (03 48 24)		
Note: Includes 3000 PSI concrete, imbedded items, formwork and precast concrete operations.		
03 48 24 00-0044 CY Precast Concrete Minaret, L-Shaped Segments Including Post Tension Cost, 3,000 PSI Concrete	4,022.12	
03 48 24 00-0045 CY Precast Concrete Minaret, O-Shaped Segments Including Post Tension Cost, 3,000 PSI Concrete	4,022.12	
03 48 24 00-0046 CY Precast Concrete Minaret, Platform Segments Including Post Tension Cost, 3,000 PSI Concrete	4,022.12	
03 48 24 00-0047 CY Precast Concrete Minaret, Cap Segments Including Post Tension Cost, 3,000 PSI Concrete	4,022.12	
03 48 29 Precast Accessories (03 48)		
Note: Includes installation labor, material and equipment.		
03 48 29 00-0001 Bearing Pads For Precast Members (03 48 29)		
03 48 29 00-0002 Continuous 2" Wide Strips (03 48 29 00-0001)		
03 48 29 00-0003 LF Bearing Pads, Continuous 2" Wide x 1/8" Thick Strips	1.23	
Note: For precast members		
03 48 29 00-0004 LF Bearing Pads, Continuous 2" Wide x 1/4" Thick Strips	1.79	
Note: For precast members.		
03 48 29 00-0005 LF Bearing Pads, Continuous 2" Wide x 1/2" Thick Strips	3.02	
Note: For precast members		
03 48 29 00-0006 LF Bearing Pads, Continuous 2" Wide x 3/4" Thick Strips	4.27	
Note: For precast members		
03 48 29 00-0007 LF Bearing Pads, Continuous 2" Wide x 1" Thick Strips	5.57	
Note: For precast members		
03 48 29 00-0008 LF Bearing Pads, Continuous 2" Wide x 1-1/2" Thick Strips	8.03	
Note: For precast members		
03 48 29 00-0009 Bearing Pad Pipe Supports (03 48 29)		
03 48 29 00-0010 LF 8" Diameter Precast Balustrade, Decorative Shapes	80.38	
03 48 29 00-0011 LF Precast Rail Cap, <1 SF Cross Section	51.46	
03 48 29 00-0012 LF 4" x 4" Precast Pipe Support	6.93	
03 48 46 Precast Skylight Shells (03 48)		
03 48 46 00-0001 Installation Cost Using A 90 Ton Crawler Crane (03 48 46)		
Note: Includes handling, hoisting into place, alignment, bracing and permanent connections.		
03 48 46 00-0002 EA Install Precast Skylight Shell, 0-4 Tons/Each Based On 90 Ton Crawler Crane	408.81	183.99
03 48 46 00-0003 EA Install Precast Skylight Shell, 4-6 Tons/Each Based On 90 Ton Crawler Crane	453.94	204.28
03 48 46 00-0004 EA Install Precast Skylight Shell, 6-8 Tons/Each Based On 90 Ton Crawler Crane	510.26	229.62
03 48 46 00-0005 Material Cost (03 48 46)		
Note: Includes 3000 PSI concrete, imbedded items, formwork and precast concrete operations.		
03 48 46 00-0006 CY 3.5" Thick 3,000 PSI Concrete Precast Skylight With 4.4' Radius	1,682.73	
03 48 49 Precast Landings (03 48)		
03 48 49 00-0001 SF 3" Thick Precast Landing	48.32	
03 48 49 00-0002 SF 4" Thick Precast Landing	55.99	
03 48 49 00-0003 SF 5" Thick Precast Landing	64.06	
03 48 49 00-0004 SF 6" Thick Precast Landing	73.96	

03	03 Concrete
	03 50 Cast Decks And Underlayment
	03 48 Precast Concrete Specialties



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

03 50 Cast Decks And Underlayment (03)

03 51 Cast Roof Decks (03 50)

03 51 13 Cementitious Wood Fiber Decks (03 51)

03 51 13 00-0001 Cement Fiber Tongue And Groove Planks (03 51 13)

03 51 13 00-0002	SF	1" Thick Cementitious Fiber Tongue And Groove Planks, Cement Wood Fiber System	3.18	
03 51 13 00-0003	SF	1-1/2" Thick Cementitious Fiber Tongue And Groove Planks, Cement Wood Fiber System	3.31	
03 51 13 00-0004	SF	2" Thick Cementitious Fiber Tongue And Groove Planks, Cement Wood Fiber System	3.47	
03 51 13 00-0005	SF	2-1/2" Thick Cementitious Fiber Tongue And Groove Planks, Cement Wood Fiber System	3.95	
03 51 13 00-0006	SF	3" Thick Cementitious Fiber Tongue And Groove Planks, Cement Wood Fiber System	4.48	
03 51 13 00-0007	SF	3-1/2" Thick Cementitious Fiber Tongue And Groove Planks, Cement Wood Fiber System	5.07	
03 51 13 00-0008	SF	4" Thick Cementitious Fiber Tongue And Groove Planks, Cement Wood Fiber System	5.82	

03 51 13 00-0009 Bulb Tees, Sub-Purlins And Grout (03 51 13)

03 51 13 00-0010	SF	6' Span Bulb Tee, Sub-Purlins, Grout, Cement Wood Fiber System	1.29	
03 51 13 00-0011	SF	8' Span Bulb Tee, Sub-Purlins, Grout, Cement Wood Fiber System	2.01	

03 51 16 Gypsum Concrete Roof Decks (03 51)

03 51 16 00-0001 Class A Gypsum Fill Concrete Deck (03 51 16)

03 51 16 00-0002	SF	2" Thick Precast Gypsum Fill Concrete Deck, Class A	4.92	0.44
03 51 16 00-0003	SF	2-1/2" Thick Precast Gypsum Fill Concrete Deck, Class A	6.05	0.51
03 51 16 00-0004	SF	3" Thick Precast Gypsum Fill Concrete Deck, Class A	7.21	0.59
03 51 16 00-0005	SF	3-1/2" Thick Precast Gypsum Fill Concrete Deck, Class A	8.38	0.66
03 51 16 00-0006	SF	4" Thick Precast Gypsum Fill Concrete Deck, Class A	9.56	0.74

03 51 16 00-0007 Formboard For Lightweight Deck (03 51 16)

03 51 16 00-0008	SF	Gypsum Deck Formboard, 1/2" Drywall For Lightweight Deck	1.83	
03 51 16 00-0009	SF	Gypsum Deck Formboard, 1" Mineral Fiber Board For Lightweight Deck	2.43	
03 51 16 00-0010	SF	Gypsum Deck Formboard, 1-1/2" Mineral Fiber Board For Lightweight Deck	5.01	
03 51 16 00-0011	SF	Gypsum Deck Formboard, 1" Cementitious Fiber Board For Lightweight Deck	2.02	0.49
03 51 16 00-0012	SF	Gypsum Deck Formboard, 1-1/2" Cementitious Fiber Board For Lightweight Deck	2.46	0.49
03 51 16 00-0013	SF	Gypsum Deck Formboard, 1" Glass Fiber Board For Lightweight Deck	2.72	0.49
03 51 16 00-0014	SF	Gypsum Deck Formboard, 1-1/2" Glass Fiber Board For Lightweight Deck	3.37	0.49

03 51 16 00-0015 Board Deck Supports For Formboard (03 51 16)

03 51 16 00-0016	SF	Gypsum Deck Formboard Supports, 5' Bulb Tee 40 LB/SF, Span	0.75	0.17
03 51 16 00-0017	SF	Gypsum Deck Formboard Supports, 8' Bulb Tee 40 LB/SF Span	1.28	0.26

03 51 16 00-0018 Gypsum Plank (03 51 16)

03 51 16 00-0019	SF	Insulating Concrete Gypsum Plank, 2" Thick Roof Deck	3.33	
03 51 16 00-0020	SF	Insulating Concrete Gypsum Plank, 3" Thick Roof Deck	4.43	

03 52 Lightweight Concrete Roof Insulation (03 50)

03 52 16 Lightweight Insulating Concrete (03 52)

Note: Add costs for forming to all tasks below. See CSI section 03 11 00 00-0000 for forming.

03 52 16 00-0001 Poured Deck (03 52 16)

03 52 16 00-0002 Perlite Or Vermiculite (03 52 16 00-0001)

03 52 16 00-0003	CY	Insulating Roof Deck, Perlite, 1:6 Mix Field Mix, Also Vermiculite	266.09	
		<i>For Smooth Trowel Finish, Add</i>		41.29

03 52 16 00-0004 Lightweight Insulating Concrete Deck, Ready Mix 1 To 6 Mix (03 52 16 00-0001)

03 52 16 00-0005	SF	2" Insulating Roof Deck, Ready Mix, 1:6 Mix	2.80	
		<i>For Smooth Trowel Finish, Add</i>		0.30
03 52 16 00-0006	SF	3" Insulating Roof Deck, Ready Mix, 1:6 Mix	4.03	
		<i>For Smooth Trowel Finish, Add</i>		0.36

03 52 16 00-0007 Lightweight Insulating Concrete Plank Roof Deck (03 52 16)

03 52 16 00-0008	SF	2" Thick, Lightweight Insulating Concrete Plank Roof Deck	5.36	
		<i>For >4 To 12 Pitch, Add</i>		0.31
		<i>For >6 To 12 Pitch, Add</i>		1.88
03 52 16 00-0009	SF	2-1/2" Thick, Lightweight Insulating Concrete Plank Roof Deck	6.24	
		<i>For >4 To 12 Pitch, Add</i>		0.34
		<i>For >6 To 12 Pitch, Add</i>		2.06
03 52 16 00-0010	SF	3" Thick, Lightweight Insulating Concrete Plank Roof Deck	7.22	
		<i>For >4 To 12 Pitch, Add</i>		0.37
		<i>For >6 To 12 Pitch, Add</i>		2.22



Concrete	03	03
Cast Decks And Underlayment	03 50	
Lightweight Concrete Roof Insulation	03 52	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 52 16 00-0011 SF 3-1/2" Thick, Lightweight Insulating Concrete Plank Roof Deck <i>For >4 To 12 Pitch, Add</i> <i>For >6 To 12 Pitch, Add</i>	7.55 0.40 2.40	
03 52 16 00-0012 SF 4" Thick, Lightweight Insulating Concrete Plank Roof Deck <i>For >4 To 12 Pitch, Add</i> <i>For >6 To 12 Pitch, Add</i>	7.85 0.42 2.52	
03 52 16 00-0013 Lightweight Insulating Concrete Channel Slab Roof Deck <small>(03 52 16)</small>		
03 52 16 00-0014 SF 2-3/4" Thick, Lightweight Insulating Concrete Channel Slab Roof Deck.....	5.96	
03 52 16 00-0015 SF 3-1/2" Thick, Lightweight Insulating Concrete Channel Slab Roof Deck.....	6.39	
03 52 16 00-0016 SF 3-3/4" Thick, Lightweight Insulating Concrete Channel Slab Roof Deck.....	6.52	
03 52 16 00-0017 SF 4-3/4" Thick, Lightweight Insulating Concrete Channel Slab Roof Deck.....	6.75	
03 52 16 00-0018 SF 2-3/4" Thick, Cut To Length On Site, Lightweight Insulating Concrete Channel Slab Roof Deck	8.36	
03 52 16 00-0019 SF 3-1/2" Thick, Cut To Length On Site, Lightweight Insulating Concrete Channel Slab Roof Deck	8.47	
03 52 16 00-0020 SF 3-3/4" Thick, Cut To Length On Site, Lightweight Insulating Concrete Channel Slab Roof Deck	8.61	
03 52 16 00-0021 SF 4-3/4" Thick, Cut To Length On Site, Lightweight Insulating Concrete Channel Slab Roof Deck	8.77	
03 53 Concrete Topping <small>(03 50)</small>		
Note: Installed over new or existing concrete.		
03 53 00 00-0001 Integral Topping Including Hard Trowel Finish <small>(03 53)</small>		
Note: Using 1:1:2 mix.		
03 53 00 00-0002 SF 3/16" Thick Hard Trowel Integral Concrete Topping, 1:1:2 Mix.....	2.02	
03 53 00 00-0003 SF 1/2" Thick Hard Trowel Integral Concrete Topping, 1:1:2 Mix.....	2.28	
03 53 00 00-0004 SF 3/4" Thick Hard Trowel Integral Concrete Topping, 1:1:2 Mix.....	2.68	
03 53 00 00-0005 SF 1" Thick Hard Trowel Integral Concrete Topping, 1:1:2 Mix.....	3.19	
03 53 00 00-0006 SF 2" Thick Hard Trowel Integral Concrete Topping, 1:1:2 Mix.....	4.58	
03 53 00 00-0007 SF 2-1/2" Thick Hard Trowel Integral Concrete Topping, 1:1:2 Mix	3.99	
03 53 00 00-0008 SF 3" Thick Hard Trowel Integral Concrete Topping, 1:1:2 Mix.....	4.49	
03 53 00 00-0009 Granolithic Topping Laid After <small>(03 53)</small>		
Note: Using 1:1:1-1/2 mix.		
03 53 00 00-0010 SF 1/2" Thick Concrete Topping, Granolithic Laid After Finish, 1:1:1-1/2 Mix.....	3.38	
03 53 00 00-0011 SF 1" Thick Concrete Topping, Granolithic Laid After Finish, 1:1:1-1/2 Mix.....	3.68	
03 53 00 00-0012 SF 2" Thick Concrete Topping, Granolithic Laid After Finish, 1:1:1-1/2 Mix.....	4.68	
03 54 Cast Underlayment <small>(03 50)</small>		
Note: Includes primer. Excludes sandblasting existing smooth finished concrete surface (where necessary).		
03 54 16 Hydraulic Cement Underlayment <small>(03 54)</small>		
03 54 16 00-0001 Self Leveling Cementitious Underlayment For Floors <small>(03 54 16)</small>		
Note: Includes primer.		
03 54 16 00-0002 SF 1/8" Thick Self Leveling Cementitious Underlayment For Floors Including Surface Preparation	1.88	
03 54 16 00-0003 SF 1/4" Thick Self Leveling Cementitious Underlayment For Floors Including Surface Preparation	2.94	
03 54 16 00-0004 SF 1/2" Thick Self Leveling Cementitious Underlayment For Floors Including Surface Preparation	5.07	
03 54 16 00-0005 SF 3/4" Thick Self Leveling Cementitious Underlayment For Floors Including Surface Preparation	7.20	
03 54 16 00-0006 SF 1" Thick Self Leveling Cementitious Underlayment For Floors Including Surface Preparation	9.33	
03 54 16 00-0007 SF 1-1/4" Thick Self Leveling Cementitious Underlayment For Floors Including Surface Preparation.....	12.16	
03 54 16 00-0008 SF 1-1/2" Thick Self Leveling Cementitious Underlayment For Floors Including Surface Preparation.....	13.59	
03 54 16 00-0009 SF 1-3/4" Thick Self Leveling Cementitious Underlayment For Floors Including Surface Preparation.....	17.85	
03 60 Grouting <small>(03)</small>		
03 61 Cementitious Grouting <small>(03 60)</small>		
Note: 1 part cement to 3 parts sand by volume.		
03 61 16 Cementitious Flowable Grout <small>(03 61)</small>		
03 61 16 00-0001 Flowable Grout <small>(03 61 16)</small>		
03 61 16 00-0002 CY Cementitious Flowable Grout.....	373.99	
03 62 Non-Shrink Grouting <small>(03 60)</small>		
03 62 13 Non-Metallic Non-Shrink Grouting <small>(03 62)</small>		
03 62 13 00-0001 Fluid Type, Non-Metallic Non-Shrink Grouting For Bases <small>(03 62 13)</small>		
03 62 13 00-0002 SF 1" Deep, Fluid Type, Non-Metallic Non-Shrink Grout For Bases	20.84	
03 62 13 00-0003 SF 2" Deep, Fluid Type, Non-Metallic Non-Shrink Grout For Bases	31.36	
03 62 13 00-0004 Non-Metallic Non-Shrink Grouting For Bases <small>(03 62 13)</small>		
03 62 13 00-0005 SF 1" Deep, Non-Metallic Non-Shrink Grout For Bases	32.15	
03 62 13 00-0006 SF 2" Deep, Non-Metallic Non-Shrink Grout For Bases	52.18	

03	Concrete
03 60	Grouting
03 62	Non-Shrink Grouting



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 62 13 00-0007	Non-Metallic Non-Shrink Grouting For Joints <small>(03 62 13)</small>	
03 62 13 00-0008	1/2" Joint Thickness, Non-Metallic Non-Shrink Grout For Joints <small>(03 62 13 00-0007)</small>	
03 62 13 00-0009	LF	4" Deep x 1/2" Thick, Non-Metallic Non-Shrink Grout For Joints .....1.65
03 62 13 00-0010	LF	6" Deep x 1/2" Thick, Non-Metallic Non-Shrink Grout For Joints .....2.17
03 62 13 00-0011	LF	8" Deep x 1/2" Thick, Non-Metallic Non-Shrink Grout For Joints .....2.87
03 62 13 00-0012	1" Joint Thickness, Non-Metallic Non-Shrink Grout For Joints <small>(03 62 13 00-0007)</small>	
03 62 13 00-0013	LF	4" Deep x 1" Thick, Non-Metallic Non-Shrink Grout For Joints .....2.46
03 62 13 00-0014	LF	6" Deep x 1" Thick, Non-Metallic Non-Shrink Grout For Joints .....3.30
03 62 13 00-0015	LF	8" Deep x 1" Thick, Non-Metallic Non-Shrink Grout For Joints .....4.40
03 62 16	Metallic Non-Shrink Grouting <small>(03 62)</small>	
03 62 16 00-0001	Metallic Non-Shrink Grouting For Bases <small>(03 62 16)</small>	
03 62 16 00-0002	SF	1" Deep, Metallic Non-Shrink Grout For Bases.....26.73
03 62 16 00-0003	SF	2" Deep, Metallic Non-Shrink Grout For Bases.....41.67
03 62 16 00-0004	Metallic Non-Shrink Grouting For Joints <small>(03 62 16)</small>	
03 62 16 00-0005	1/2" Joint Thickness, Metallic Non-Shrink Grout For Joints <small>(03 62 16 00-0004)</small>	
03 62 16 00-0006	LF	4" Deep x 1/2" Thick, Metallic Non-Shrink Grout For Joints .....1.31
03 62 16 00-0007	LF	6" Deep x 1/2" Thick, Metallic Non-Shrink Grout For Joints .....1.66
03 62 16 00-0008	LF	8" Deep x 1/2" Thick, Metallic Non-Shrink Grout For Joints .....2.21
03 62 16 00-0009	1" Joint Thickness, Metallic Non-Shrink Grout For Joints <small>(03 62 16 00-0004)</small>	
03 62 16 00-0010	LF	4" Deep x 1" Thick, Metallic Non-Shrink Grout For Joints .....1.80
03 62 16 00-0011	LF	6" Deep x 1" Thick, Metallic Non-Shrink Grout For Joints .....2.28
03 62 16 00-0012	LF	8" Deep x 1" Thick, Metallic Non-Shrink Grout For Joints .....3.05
03 64	Injection Grouting <small>(03 60)</small>	
	Note: By volume of void filled. Includes injection ports.	
03 64 23	Epoxy Injection Grouting <small>(03 64)</small>	
03 64 23 00-0001	Epoxy Injection Grouting <small>(03 64 23)</small>	
03 64 23 00-0002	CF	Pressure Injected Epoxy Grout .....794.13
03 64 26	Cementitious Injection Grouting <small>(03 64)</small>	
03 64 26 00-0001	Cementitious Injection Grouting <small>(03 64 26)</small>	
03 64 26 00-0002	CF	Pressure Injected Cementitious Grout .....63.07
03 80	Concrete Cutting And Boring <small>(03)</small>	
03 81	Concrete Cutting <small>(03 80)</small>	
03 81 13	Flat Concrete Sawing <small>(03 81)</small>	
	See CSI section 02 41 19 13-0001 for saw cutting.	
03 81 16	Track Mounted Concrete Wall Sawing <small>(03 81)</small>	
	See CSI section 02 41 19 13-0001 for saw cutting.	
03 82	Concrete Boring <small>(03 80)</small>	
03 82 13	Concrete Core Drilling <small>(03 82)</small>	
	See CSI section 02 41 19 13-0024 for core drilling.	

END OF SECTION 03



MINOR	CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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04 Masonry

04 01 Maintenance Of Masonry ⁽⁰⁴⁾

04 01 20 Maintenance Of Unit Masonry ^(04 01)

Note: For use on existing brick. Includes clean-up of debris. Excludes disposal.

04 01 20 41 Unit Masonry Stabilization ^(04 01 20)

04 01 20 41-0001 Unit Masonry Stabilization (Helifix®) ^(04 01 20 41)

04 01 20 41-0002 Grouted Ties For Stabilizing Solid Masonry (Helifix® CemTie) ^(04 01 20 41-0001)

Note: Austenitic stainless steel. For stabilizing solid masonry. Includes drilling, cementitious grout and patching surface.

04 01 20 41-0003 304 Stainless Steel Helical Pin, Grouted Ties For Stabilizing Solid Masonry (Helifix® CemTie) ^(04 01 20 41-0002)

04 01 20 41-0004	EA	8mm Diameter, 350mm Length, 304 Stainless Steel Helical Pin, Grouted Tie For Stabilizing Solid Masonry (Helifix® CemTie)	22.81
		For Up To 10, Add	8.05
		For >10 To 50, Add	4.03
04 01 20 41-0005	EA	8mm Diameter, 600mm Length, 304 Stainless Steel Helical Pin, Grouted Tie For Stabilizing Solid Masonry (Helifix® CemTie)	34.48
		For Up To 10, Add	8.05
		For >10 To 50, Add	4.03
04 01 20 41-0006	EA	8mm Diameter, 900mm Length, 304 Stainless Steel Helical Pin, Grouted Tie For Stabilizing Solid Masonry (Helifix® CemTie)	47.15
		For Up To 10, Add	8.05
		For >10 To 50, Add	4.03

04 01 20 41-0007 316 Stainless Steel Helical Pin, Grouted Ties For Stabilizing Solid Masonry (Helifix® CemTie) ^(04 01 20 41-0002)

04 01 20 41-0008	EA	8mm Diameter, 350mm Length, 316 Stainless Steel Helical Pin, Grouted Tie For Stabilizing Solid Masonry (Helifix® CemTie)	25.34
		For Up To 10, Add	8.05
		For >10 To 50, Add	4.03
04 01 20 41-0009	EA	8mm Diameter, 600mm Length, 316 Stainless Steel Helical Pin, Grouted Tie For Stabilizing Solid Masonry (Helifix® CemTie)	38.97
		For Up To 10, Add	8.05
		For >10 To 50, Add	4.03
04 01 20 41-0010	EA	8mm Diameter, 900mm Length, 316 Stainless Steel Helical Pin, Grouted Tie For Stabilizing Solid Masonry (Helifix® CemTie)	53.88
		For Up To 10, Add	8.05
		For >10 To 50, Add	4.03

04 01 20 41-0011 Ties For Stitching Masonry Cracks (Helifix® Helibar) ^(04 01 20 41-0001)

Note: Austenitic stainless steel. For stabilizing cracked masonry. Includes removing horizontal mortar and re-pointing mortar bed. Includes cementitious grout. Excludes repairing vertical crack.

04 01 20 41-0012 304 Stainless Steel Helical Pin, Ties For Stitching Masonry Cracks (Helifix® Helibar) ^(04 01 20 41-0011)

04 01 20 41-0013	EA	4.5mm Diameter, 1m Length, 304 Stainless Steel Helical Pin, Tie For Stitching Masonry Cracks (Helifix® Helibar)	56.21
		For Up To 10, Add	32.20
		For >10 To 50, Add	16.10
04 01 20 41-0014	EA	4.5mm Diameter, 1.2m Length, 304 Stainless Steel Helical Pin, Tie For Stitching Masonry Cracks (Helifix® Helibar)	62.84
		For Up To 10, Add	32.20
		For >10 To 50, Add	16.10
04 01 20 41-0015	EA	4.5mm Diameter, 7m Length, 304 Stainless Steel Helical Pin, Tie For Stitching Masonry Cracks (Helifix® Helibar)	216.61
		For Up To 10, Add	32.20
		For >10 To 50, Add	16.10
04 01 20 41-0016	EA	6mm Diameter, 1m Length, 304 Stainless Steel Helical Pin, Tie For Stitching Masonry Cracks (Helifix® Helibar)	56.21
		For Up To 10, Add	32.20
		For >10 To 50, Add	16.10
04 01 20 41-0017	EA	6mm Diameter, 1.2m Length, 304 Stainless Steel Helical Pin, Tie For Stitching Masonry Cracks (Helifix® Helibar)	62.84
		For Up To 10, Add	32.20
		For >10 To 50, Add	16.10
04 01 20 41-0018	EA	6mm Diameter, 1.5m Length, 304 Stainless Steel Helical Pin, Tie For Stitching Masonry Cracks (Helifix® Helibar)	70.38
		For Up To 10, Add	32.20
		For >10 To 50, Add	16.10
04 01 20 41-0019	EA	6mm Diameter, 2m Length, 304 Stainless Steel Helical Pin, Tie For Stitching Masonry Cracks (Helifix® Helibar)	84.54
		For Up To 10, Add	32.20
		For >10 To 50, Add	16.10
04 01 20 41-0020	EA	6mm Diameter, 7m Length, 304 Stainless Steel Helical Pin, Tie For Stitching Masonry Cracks (Helifix® Helibar)	216.61
		For Up To 10, Add	32.20
		For >10 To 50, Add	16.10



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

04 01 20 41-0021	316 Stainless Steel Helical Pin, Ties For Stitching Masonry Cracks (Helifix® Helibar) <small>(04 01 20 41-0011)</small>	
04 01 20 41-0022	EA 4.5mm Diameter, 1m Length, 316 Stainless Steel Helical Pin, Tie For Stitching Masonry Cracks (Helifix® Helibar)	59.82
	For Up To 10, Add	32.20
	For >10 To 50, Add	16.10
04 01 20 41-0023	EA 4.5mm Diameter, 1.2m Length, 316 Stainless Steel Helical Pin, Tie For Stitching Masonry Cracks (Helifix® Helibar)	67.65
	For Up To 10, Add	32.20
	For >10 To 50, Add	16.10
04 01 20 41-0024	EA 4.5mm Diameter, 7m Length, 316 Stainless Steel Helical Pin, Tie For Stitching Masonry Cracks (Helifix® Helibar)	246.67
	For Up To 10, Add	32.20
	For >10 To 50, Add	16.10
04 01 20 41-0025	EA 6mm Diameter, 1m Length, 316 Stainless Steel Helical Pin, Tie For Stitching Masonry Cracks (Helifix® Helibar)	59.82
	For Up To 10, Add	32.20
	For >10 To 50, Add	16.10
04 01 20 41-0026	EA 6mm Diameter, 1.2m Length, 316 Stainless Steel Helical Pin, Tie For Stitching Masonry Cracks (Helifix® Helibar)	67.65
	For Up To 10, Add	32.20
	For >10 To 50, Add	16.10
04 01 20 41-0027	EA 6mm Diameter, 1.5m Length, 316 Stainless Steel Helical Pin, Tie For Stitching Masonry Cracks (Helifix® Helibar)	76.39
	For Up To 10, Add	32.20
	For >10 To 50, Add	16.10
04 01 20 41-0028	EA 6mm Diameter, 2m Length, 316 Stainless Steel Helical Pin, Tie For Stitching Masonry Cracks (Helifix® Helibar)	92.97
	For Up To 10, Add	32.20
	For >10 To 50, Add	16.10
04 01 20 41-0029	EA 6mm Diameter, 7m Length, 316 Stainless Steel Helical Pin, Tie For Stitching Masonry Cracks (Helifix® Helibar)	246.67
	For Up To 10, Add	32.20
	For >10 To 50, Add	16.10
04 01 20 41-0030	Mechanical Repair Anchors (Helifix® TorkFix) <small>(04 01 20 41-0001)</small>	
04 01 20 41-0031	304 Stainless Steel, Mechanical Repair Anchors (Helifix® TorkFix) <small>(04 01 20 41-0030)</small>	
04 01 20 41-0032	EA 4-1/2" Length, Brick To Brick/Concrete Block, 304 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix)	11.17
	For Up To 10, Add	4.83
	For >10 To 50, Add	2.42
04 01 20 41-0033	EA 5-1/2" Length, Brick To Brick/Concrete Block, 304 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix)	12.36
	For Up To 10, Add	4.83
	For >10 To 50, Add	2.42
04 01 20 41-0034	EA 6-1/2" Length, Brick To Brick/Concrete Block, 304 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix)	13.55
	For Up To 10, Add	4.83
	For >10 To 50, Add	2.42
04 01 20 41-0035	EA 7-1/2" Length, Brick To Brick/Concrete Block, 304 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix)	14.74
	For Up To 10, Add	4.83
	For >10 To 50, Add	2.42
04 01 20 41-0036	EA 8-1/2" Length, Brick To Brick/Concrete Block, 304 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix)	15.93
	For Up To 10, Add	4.83
	For >10 To 50, Add	2.42
04 01 20 41-0037	EA 9-1/2" Length, Brick To Brick/Concrete Block, 304 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix)	17.11
	For Up To 10, Add	4.83
	For >10 To 50, Add	2.42
04 01 20 41-0038	EA 4-1/2" Length, Brick To Wood Frame/Steel Stud, 304 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix)	11.17
	For Up To 10, Add	4.83
	For >10 To 50, Add	2.42
04 01 20 41-0039	EA 5-1/2" Length, Brick To Wood Frame/Steel Stud, 304 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix)	12.36
	For Up To 10, Add	4.83
	For >10 To 50, Add	2.42
04 01 20 41-0040	EA 6-1/2" Length, Brick To Wood Frame/Steel Stud, 304 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix)	13.55
	For Up To 10, Add	4.83
	For >10 To 50, Add	2.42
04 01 20 41-0041	EA 7-1/2" Length, Brick To Wood Frame/Steel Stud, 304 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix)	14.74
	For Up To 10, Add	4.83
	For >10 To 50, Add	2.42
04 01 20 41-0042	EA 8-1/2" Length, Brick To Wood Frame/Steel Stud, 304 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix)	15.93
	For Up To 10, Add	4.83
	For >10 To 50, Add	2.42
04 01 20 41-0043	EA 10-1/2" Length, Brick To Wood Frame/Steel Stud, 304 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix)	18.30
	For Up To 10, Add	4.83
	For >10 To 50, Add	2.42
04 01 20 41-0044	EA 4-1/2" Length, 304 Stainless Steel, Veneer Panel Anchor (Helifix® TorkFix)	11.17
	For Up To 10, Add	4.83
	For >10 To 50, Add	2.42
04 01 20 41-0045	EA 6-1/2" Length, 304 Stainless Steel, Veneer Panel Anchor (Helifix® TorkFix)	13.55
	For Up To 10, Add	4.83
	For >10 To 50, Add	2.42
04 01 20 41-0046	EA 8" Length, 304 Stainless Steel, Veneer Panel Anchor (Helifix® TorkFix)	15.33
	For Up To 10, Add	4.83
	For >10 To 50, Add	2.42



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 01 20 41-0047			316 Stainless Steel, Mechanical Repair Anchors (Helifix® TorkFix) (04 01 20 41-0030)		
04 01 20 41-0048	EA		4-1/2" Length, Brick To Brick/Concrete Block, 316 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix).....	11.17	
			For Up To 10, Add	4.83	
			For >10 To 50, Add	2.42	
04 01 20 41-0049	EA		5-1/2" Length, Brick To Brick/Concrete Block, 316 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix).....	12.36	
			For Up To 10, Add	4.83	
			For >10 To 50, Add	2.42	
04 01 20 41-0050	EA		6-1/2" Length, Brick To Brick/Concrete Block, 316 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix).....	13.55	
			For Up To 10, Add	4.83	
			For >10 To 50, Add	2.42	
04 01 20 41-0051	EA		7-1/2" Length, Brick To Brick/Concrete Block, 316 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix).....	14.74	
			For Up To 10, Add	4.83	
			For >10 To 50, Add	2.42	
04 01 20 41-0052	EA		8-1/2" Length, Brick To Brick/Concrete Block, 316 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix).....	15.93	
			For Up To 10, Add	4.83	
			For >10 To 50, Add	2.42	
04 01 20 41-0053	EA		9-1/2" Length, Brick To Brick/Concrete Block, 316 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix).....	17.11	
			For Up To 10, Add	4.83	
			For >10 To 50, Add	2.42	
04 01 20 41-0054	EA		4-1/2" Length, Brick To Wood Frame/Steel Stud, 316 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix).....	11.17	
			For Up To 10, Add	4.83	
			For >10 To 50, Add	2.42	
04 01 20 41-0055	EA		5-1/2" Length, Brick To Wood Frame/Steel Stud, 316 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix).....	12.36	
			For Up To 10, Add	4.83	
			For >10 To 50, Add	2.42	
04 01 20 41-0056	EA		6-1/2" Length, Brick To Wood Frame/Steel Stud, 316 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix).....	13.55	
			For Up To 10, Add	4.83	
			For >10 To 50, Add	2.42	
04 01 20 41-0057	EA		7-1/2" Length, Brick To Wood Frame/Steel Stud, 316 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix).....	14.74	
			For Up To 10, Add	4.83	
			For >10 To 50, Add	2.42	
04 01 20 41-0058	EA		8-1/2" Length, Brick To Wood Frame/Steel Stud, 316 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix).....	15.93	
			For Up To 10, Add	4.83	
			For >10 To 50, Add	2.42	
04 01 20 41-0059	EA		10-1/2" Length, Brick To Wood Frame/Steel Stud, 316 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix).....	18.30	
			For Up To 10, Add	4.83	
			For >10 To 50, Add	2.42	
04 01 20 41-0060	EA		4-1/2" Length, 316 Stainless Steel, Veneer Panel Anchor (Helifix® TorkFix).....	11.17	
			For Up To 10, Add	4.83	
			For >10 To 50, Add	2.42	
04 01 20 41-0061	EA		6-1/2" Length, 316 Stainless Steel, Veneer Panel Anchor (Helifix® TorkFix).....	13.55	
			For Up To 10, Add	4.83	
			For >10 To 50, Add	2.42	
04 01 20 41-0062	EA		8" Length, 316 Stainless Steel, Veneer Panel Anchor (Helifix® TorkFix).....	15.33	
			For Up To 10, Add	4.83	
			For >10 To 50, Add	2.42	
04 01 20 41-0063			Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®) (04 01 20 41-0001)		
			Note: Austenitic stainless steel. For pinning stucco, terracotta, granite, marble, etc., to concrete block, brick or solid concrete. Includes drilling and patching surface.		
04 01 20 41-0064			304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®) (04 01 20 41-0063)		
04 01 20 41-0065	EA		8mm Diameter, 115mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	8.38	
			For Up To 10, Add	4.83	
			For >10 To 50, Add	2.42	
			For Metal Stud Clip, Add	2.54	
04 01 20 41-0066	EA		8mm Diameter, 155mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	8.81	
			For Up To 10, Add	4.83	
			For >10 To 50, Add	2.42	
			For Metal Stud Clip, Add	2.54	
04 01 20 41-0067	EA		8mm Diameter, 170mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	8.89	
			For Up To 10, Add	4.83	
			For >10 To 50, Add	2.42	
			For Metal Stud Clip, Add	2.54	
04 01 20 41-0068	EA		8mm Diameter, 195mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	9.07	
			For Up To 10, Add	4.83	
			For >10 To 50, Add	2.42	
			For Metal Stud Clip, Add	2.54	

04	Masonry
04 01	Maintenance Of Masonry
04 01 20	Maintenance Of Unit Masonry



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 01 20 41-0069	EA		8mm Diameter, 220mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	9.38	
			<i>For Up To 10, Add</i>	4.83	
			<i>For >10 To 50, Add</i>	2.42	
			<i>For Metal Stud Clip, Add</i>	2.54	
04 01 20 41-0070	EA		8mm Diameter, 245mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	9.64	
			<i>For Up To 10, Add</i>	4.83	
			<i>For >10 To 50, Add</i>	2.42	
			<i>For Metal Stud Clip, Add</i>	2.54	
04 01 20 41-0071	EA		8mm Diameter, 270mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	9.77	
			<i>For Up To 10, Add</i>	4.83	
			<i>For >10 To 50, Add</i>	2.42	
			<i>For Metal Stud Clip, Add</i>	2.54	
04 01 20 41-0072	EA		8mm Diameter, 295mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	9.94	
			<i>For Up To 10, Add</i>	4.83	
			<i>For >10 To 50, Add</i>	2.42	
			<i>For Metal Stud Clip, Add</i>	2.54	
04 01 20 41-0073	EA		8mm Diameter, 325mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	10.70	
			<i>For Up To 10, Add</i>	4.83	
			<i>For >10 To 50, Add</i>	2.42	
			<i>For Metal Stud Clip, Add</i>	2.54	
04 01 20 41-0074	EA		8mm Diameter, 350mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	10.80	
			<i>For Up To 10, Add</i>	4.83	
			<i>For >10 To 50, Add</i>	2.42	
			<i>For Metal Stud Clip, Add</i>	2.54	
04 01 20 41-0075	EA		8mm Diameter, 400mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	11.72	
			<i>For Up To 10, Add</i>	4.83	
			<i>For >10 To 50, Add</i>	2.42	
			<i>For Metal Stud Clip, Add</i>	2.54	
04 01 20 41-0076	EA		8mm Diameter, 450mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	12.49	
			<i>For Up To 10, Add</i>	4.83	
			<i>For >10 To 50, Add</i>	2.42	
			<i>For Metal Stud Clip, Add</i>	2.54	
04 01 20 41-0077	EA		8mm Diameter, 500mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	13.15	
			<i>For Up To 10, Add</i>	4.83	
			<i>For >10 To 50, Add</i>	2.42	
			<i>For Metal Stud Clip, Add</i>	2.54	
04 01 20 41-0078	EA		8mm Diameter, 550mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	15.48	
			<i>For Up To 10, Add</i>	4.83	
			<i>For >10 To 50, Add</i>	2.42	
			<i>For Metal Stud Clip, Add</i>	2.54	
04 01 20 41-0079	EA		8mm Diameter, 600mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	17.56	
			<i>For Up To 10, Add</i>	4.83	
			<i>For >10 To 50, Add</i>	2.42	
			<i>For Metal Stud Clip, Add</i>	2.54	
04 01 20 41-0080	EA		8mm Diameter, 700mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	20.31	
			<i>For Up To 10, Add</i>	4.83	
			<i>For >10 To 50, Add</i>	2.42	
			<i>For Metal Stud Clip, Add</i>	2.54	
04 01 20 41-0081	EA		10mm Diameter, 125mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	8.52	
			<i>For Up To 10, Add</i>	4.83	
			<i>For >10 To 50, Add</i>	2.42	
			<i>For Metal Stud Clip, Add</i>	2.54	
04 01 20 41-0082	EA		10mm Diameter, 155mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	8.99	
			<i>For Up To 10, Add</i>	4.83	
			<i>For >10 To 50, Add</i>	2.42	
			<i>For Metal Stud Clip, Add</i>	2.54	
04 01 20 41-0083	EA		10mm Diameter, 170mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	9.40	
			<i>For Up To 10, Add</i>	4.83	
			<i>For >10 To 50, Add</i>	2.42	
			<i>For Metal Stud Clip, Add</i>	2.54	
04 01 20 41-0084	EA		10mm Diameter, 195mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	9.77	
			<i>For Up To 10, Add</i>	4.83	
			<i>For >10 To 50, Add</i>	2.42	
			<i>For Metal Stud Clip, Add</i>	2.54	
04 01 20 41-0085	EA		10mm Diameter, 220mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	10.01	
			<i>For Up To 10, Add</i>	4.83	
			<i>For >10 To 50, Add</i>	2.42	
			<i>For Metal Stud Clip, Add</i>	2.54	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 01 20 41-0086 EA 10mm Diameter, 245mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	10.17	
<i>For Up To 10, Add</i>	4.83	
<i>For >10 To 50, Add</i>	2.42	
<i>For Metal Stud Clip, Add</i>	2.54	
04 01 20 41-0087 EA 10mm Diameter, 270mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	10.45	
<i>For Up To 10, Add</i>	4.83	
<i>For >10 To 50, Add</i>	2.42	
<i>For Metal Stud Clip, Add</i>	2.54	
04 01 20 41-0088 EA 10mm Diameter, 300mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	10.57	
<i>For Up To 10, Add</i>	4.83	
<i>For >10 To 50, Add</i>	2.42	
<i>For Metal Stud Clip, Add</i>	2.54	
04 01 20 41-0089 EA 10mm Diameter, 350mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	11.10	
<i>For Up To 10, Add</i>	4.83	
<i>For >10 To 50, Add</i>	2.42	
<i>For Metal Stud Clip, Add</i>	2.54	
04 01 20 41-0090 EA 10mm Diameter, 400mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	11.87	
<i>For Up To 10, Add</i>	4.83	
<i>For >10 To 50, Add</i>	2.42	
<i>For Metal Stud Clip, Add</i>	2.54	
04 01 20 41-0091 EA 10mm Diameter, 450mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	12.51	
<i>For Up To 10, Add</i>	4.83	
<i>For >10 To 50, Add</i>	2.42	
<i>For Metal Stud Clip, Add</i>	2.54	
04 01 20 41-0092 EA 10mm Diameter, 500mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	13.32	
<i>For Up To 10, Add</i>	4.83	
<i>For >10 To 50, Add</i>	2.42	
<i>For Metal Stud Clip, Add</i>	2.54	
04 01 20 41-0093 EA 10mm Diameter, 550mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	17.69	
<i>For Up To 10, Add</i>	4.83	
<i>For >10 To 50, Add</i>	2.42	
<i>For Metal Stud Clip, Add</i>	2.54	
04 01 20 41-0094 EA 10mm Diameter, 600mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	20.14	
<i>For Up To 10, Add</i>	4.83	
<i>For >10 To 50, Add</i>	2.42	
<i>For Metal Stud Clip, Add</i>	2.54	
04 01 20 41-0095 EA 10mm Diameter, 700mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	23.94	
<i>For Up To 10, Add</i>	4.83	
<i>For >10 To 50, Add</i>	2.42	
<i>For Metal Stud Clip, Add</i>	2.54	
04 01 20 41-0096 EA 8mm Tapered To 6.5mm Diameter, 155mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric)	9.53	
<i>For Up To 10, Add</i>	4.83	
<i>For >10 To 50, Add</i>	2.42	
<i>For Metal Stud Clip, Add</i>	2.54	
04 01 20 41-0097 EA 8mm Tapered To 6.5mm Diameter, 170mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric)	9.80	
<i>For Up To 10, Add</i>	4.83	
<i>For >10 To 50, Add</i>	2.42	
<i>For Metal Stud Clip, Add</i>	2.54	
04 01 20 41-0098 EA 8mm Tapered To 6.5mm Diameter, 185mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric)	9.98	
<i>For Up To 10, Add</i>	4.83	
<i>For >10 To 50, Add</i>	2.42	
<i>For Metal Stud Clip, Add</i>	2.54	
04 01 20 41-0099 EA 8mm Tapered To 6.5mm Diameter, 195mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric)	10.11	
<i>For Up To 10, Add</i>	4.83	
<i>For >10 To 50, Add</i>	2.42	
<i>For Metal Stud Clip, Add</i>	2.54	
04 01 20 41-0100 EA 8mm Tapered To 6.5mm Diameter, 220mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric)	10.49	
<i>For Up To 10, Add</i>	4.83	
<i>For >10 To 50, Add</i>	2.42	
<i>For Metal Stud Clip, Add</i>	2.54	
04 01 20 41-0101 EA 8mm Tapered To 6.5mm Diameter, 245mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric)	11.09	
<i>For Up To 10, Add</i>	4.83	
<i>For >10 To 50, Add</i>	2.42	
<i>For Metal Stud Clip, Add</i>	2.54	
04 01 20 41-0102 EA 8mm Tapered To 6.5mm Diameter, 270mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric)	11.31	
<i>For Up To 10, Add</i>	4.83	
<i>For >10 To 50, Add</i>	2.42	
<i>For Metal Stud Clip, Add</i>	2.54	

04	Masonry
04 01	Maintenance Of Masonry
04 01 20	Maintenance Of Unit Masonry



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 01 20 41-0103	EA		8mm Tapered To 6.5mm Diameter, 295mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric)	11.92	
			<i>For Up To 10, Add</i>	4.83	
			<i>For >10 To 50, Add</i>	2.42	
			<i>For Metal Stud Clip, Add</i>	2.54	
04 01 20 41-0104	EA		10mm Tapered To 8mm Diameter, 155mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric)	10.23	
			<i>For Up To 10, Add</i>	4.83	
			<i>For >10 To 50, Add</i>	2.42	
			<i>For Metal Stud Clip, Add</i>	2.54	
04 01 20 41-0105	EA		10mm Tapered To 8mm Diameter, 170mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric)	10.75	
			<i>For Up To 10, Add</i>	4.83	
			<i>For >10 To 50, Add</i>	2.42	
			<i>For Metal Stud Clip, Add</i>	2.54	
04 01 20 41-0106	EA		10mm Tapered To 8mm Diameter, 195mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric)	11.12	
			<i>For Up To 10, Add</i>	4.83	
			<i>For >10 To 50, Add</i>	2.42	
			<i>For Metal Stud Clip, Add</i>	2.54	
04 01 20 41-0107	EA		10mm Tapered To 8mm Diameter, 220mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric)	11.36	
			<i>For Up To 10, Add</i>	4.83	
			<i>For >10 To 50, Add</i>	2.42	
			<i>For Metal Stud Clip, Add</i>	2.54	
04 01 20 41-0108	EA		10mm Tapered To 8mm Diameter, 245mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric)	11.53	
			<i>For Up To 10, Add</i>	4.83	
			<i>For >10 To 50, Add</i>	2.42	
			<i>For Metal Stud Clip, Add</i>	2.54	
04 01 20 41-0109	EA		10mm Tapered To 8mm Diameter, 300mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric)	11.92	
			<i>For Up To 10, Add</i>	4.83	
			<i>For >10 To 50, Add</i>	2.42	
			<i>For Metal Stud Clip, Add</i>	2.54	
04 01 20 41-0110	EA		304 Stainless Steel, Seismic Connector (Helifix® DryFix®)	4.54	
			Note: For installation over the DryFix® helical pin. Excludes removal of grout from the horizontal mortar joint and installation of Helibar or 9 gauge continuous wire.		
			<i>For Up To 10, Add</i>	2.42	
			<i>For >10 To 50, Add</i>	1.21	
04 01 20 41-0111			316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®) <small>(04 01 20 41-0063)</small>		
04 01 20 41-0112	EA		8mm Diameter, 115mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	9.06	
			<i>For Up To 10, Add</i>	4.83	
			<i>For >10 To 50, Add</i>	2.42	
			<i>For Metal Stud Clip, Add</i>	2.54	
04 01 20 41-0113	EA		8mm Diameter, 155mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	9.59	
			<i>For Up To 10, Add</i>	4.83	
			<i>For >10 To 50, Add</i>	2.42	
			<i>For Metal Stud Clip, Add</i>	2.54	
04 01 20 41-0114	EA		8mm Diameter, 170mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	9.70	
			<i>For Up To 10, Add</i>	4.83	
			<i>For >10 To 50, Add</i>	2.42	
			<i>For Metal Stud Clip, Add</i>	2.54	
04 01 20 41-0115	EA		8mm Diameter, 195mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	9.91	
			<i>For Up To 10, Add</i>	4.83	
			<i>For >10 To 50, Add</i>	2.42	
			<i>For Metal Stud Clip, Add</i>	2.54	
04 01 20 41-0116	EA		8mm Diameter, 220mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	10.30	
			<i>For Up To 10, Add</i>	4.83	
			<i>For >10 To 50, Add</i>	2.42	
			<i>For Metal Stud Clip, Add</i>	2.54	
04 01 20 41-0117	EA		8mm Diameter, 245mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	10.62	
			<i>For Up To 10, Add</i>	4.83	
			<i>For >10 To 50, Add</i>	2.42	
			<i>For Metal Stud Clip, Add</i>	2.54	
04 01 20 41-0118	EA		8mm Diameter, 270mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	10.79	
			<i>For Up To 10, Add</i>	4.83	
			<i>For >10 To 50, Add</i>	2.42	
			<i>For Metal Stud Clip, Add</i>	2.54	
04 01 20 41-0119	EA		8mm Diameter, 295mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	11.00	
			<i>For Up To 10, Add</i>	4.83	
			<i>For >10 To 50, Add</i>	2.42	
			<i>For Metal Stud Clip, Add</i>	2.54	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 01 20 41-0120 EA 8mm Diameter, 325mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	11.79	
<i>For Up To 10, Add</i>	4.83	
<i>For >10 To 50, Add</i>	2.42	
<i>For Metal Stud Clip, Add</i>	2.54	
04 01 20 41-0121 EA 8mm Diameter, 350mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	11.93	
<i>For Up To 10, Add</i>	4.83	
<i>For >10 To 50, Add</i>	2.42	
<i>For Metal Stud Clip, Add</i>	2.54	
04 01 20 41-0122 EA 8mm Diameter, 400mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	13.07	
<i>For Up To 10, Add</i>	4.83	
<i>For >10 To 50, Add</i>	2.42	
<i>For Metal Stud Clip, Add</i>	2.54	
04 01 20 41-0123 EA 8mm Diameter, 450mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	14.03	
<i>For Up To 10, Add</i>	4.83	
<i>For >10 To 50, Add</i>	2.42	
<i>For Metal Stud Clip, Add</i>	2.54	
04 01 20 41-0124 EA 8mm Diameter, 500mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	14.86	
<i>For Up To 10, Add</i>	4.83	
<i>For >10 To 50, Add</i>	2.42	
<i>For Metal Stud Clip, Add</i>	2.54	
04 01 20 41-0125 EA 8mm Diameter, 550mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	17.78	
<i>For Up To 10, Add</i>	4.83	
<i>For >10 To 50, Add</i>	2.42	
<i>For Metal Stud Clip, Add</i>	2.54	
04 01 20 41-0126 EA 8mm Diameter, 600mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	20.13	
<i>For Up To 10, Add</i>	4.83	
<i>For >10 To 50, Add</i>	2.42	
<i>For Metal Stud Clip, Add</i>	2.54	
04 01 20 41-0127 EA 8mm Diameter, 700mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	23.58	
<i>For Up To 10, Add</i>	4.83	
<i>For >10 To 50, Add</i>	2.42	
<i>For Metal Stud Clip, Add</i>	2.54	
04 01 20 41-0128 EA 10mm Diameter, 125mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	9.33	
<i>For Up To 10, Add</i>	4.83	
<i>For >10 To 50, Add</i>	2.42	
<i>For Metal Stud Clip, Add</i>	2.54	
04 01 20 41-0129 EA 10mm Diameter, 155mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	9.85	
<i>For Up To 10, Add</i>	4.83	
<i>For >10 To 50, Add</i>	2.42	
<i>For Metal Stud Clip, Add</i>	2.54	
04 01 20 41-0130 EA 10mm Diameter, 170mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	10.38	
<i>For Up To 10, Add</i>	4.83	
<i>For >10 To 50, Add</i>	2.42	
<i>For Metal Stud Clip, Add</i>	2.54	
04 01 20 41-0131 EA 10mm Diameter, 195mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	10.84	
<i>For Up To 10, Add</i>	4.83	
<i>For >10 To 50, Add</i>	2.42	
<i>For Metal Stud Clip, Add</i>	2.54	
04 01 20 41-0132 EA 10mm Diameter, 220mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	11.14	
<i>For Up To 10, Add</i>	4.83	
<i>For >10 To 50, Add</i>	2.42	
<i>For Metal Stud Clip, Add</i>	2.54	
04 01 20 41-0133 EA 10mm Diameter, 245mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	11.34	
<i>For Up To 10, Add</i>	4.83	
<i>For >10 To 50, Add</i>	2.42	
<i>For Metal Stud Clip, Add</i>	2.54	
04 01 20 41-0134 EA 10mm Diameter, 270mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	11.68	
<i>For Up To 10, Add</i>	4.83	
<i>For >10 To 50, Add</i>	2.42	
<i>For Metal Stud Clip, Add</i>	2.54	
04 01 20 41-0135 EA 10mm Diameter, 300mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	11.83	
<i>For Up To 10, Add</i>	4.83	
<i>For >10 To 50, Add</i>	2.42	
<i>For Metal Stud Clip, Add</i>	2.54	
04 01 20 41-0136 EA 10mm Diameter, 350mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	12.45	
<i>For Up To 10, Add</i>	4.83	
<i>For >10 To 50, Add</i>	2.42	
<i>For Metal Stud Clip, Add</i>	2.54	

04 Masonry**04 01 Maintenance Of Masonry****04 01 20 Maintenance Of Unit Masonry**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 01 20 41-0137	EA		10mm Diameter, 400mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	13.32	
			<i>For Up To 10, Add</i>	4.83	
			<i>For >10 To 50, Add</i>	2.42	
			<i>For Metal Stud Clip, Add</i>	2.54	
04 01 20 41-0138	EA		10mm Diameter, 450mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	14.11	
			<i>For Up To 10, Add</i>	4.83	
			<i>For >10 To 50, Add</i>	2.42	
			<i>For Metal Stud Clip, Add</i>	2.54	
04 01 20 41-0139	EA		10mm Diameter, 500mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	15.12	
			<i>For Up To 10, Add</i>	4.83	
			<i>For >10 To 50, Add</i>	2.42	
			<i>For Metal Stud Clip, Add</i>	2.54	
04 01 20 41-0140	EA		10mm Diameter, 550mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	20.59	
			<i>For Up To 10, Add</i>	4.83	
			<i>For >10 To 50, Add</i>	2.42	
			<i>For Metal Stud Clip, Add</i>	2.54	
04 01 20 41-0141	EA		10mm Diameter, 600mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	23.20	
			<i>For Up To 10, Add</i>	4.83	
			<i>For >10 To 50, Add</i>	2.42	
			<i>For Metal Stud Clip, Add</i>	2.54	
04 01 20 41-0142	EA		10mm Diameter, 700mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	27.95	
			<i>For Up To 10, Add</i>	4.83	
			<i>For >10 To 50, Add</i>	2.42	
			<i>For Metal Stud Clip, Add</i>	2.54	
04 01 20 41-0143	EA		8mm Tapered To 6.5mm Diameter, 155mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric).....	10.61	
			<i>For Up To 10, Add</i>	4.83	
			<i>For >10 To 50, Add</i>	2.42	
			<i>For Metal Stud Clip, Add</i>	2.54	
04 01 20 41-0144	EA		8mm Tapered To 6.5mm Diameter, 170mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric).....	10.90	
			<i>For Up To 10, Add</i>	4.83	
			<i>For >10 To 50, Add</i>	2.42	
			<i>For Metal Stud Clip, Add</i>	2.54	
04 01 20 41-0145	EA		8mm Tapered To 6.5mm Diameter, 185mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric).....	11.12	
			<i>For Up To 10, Add</i>	4.83	
			<i>For >10 To 50, Add</i>	2.42	
			<i>For Metal Stud Clip, Add</i>	2.54	
04 01 20 41-0146	EA		8mm Tapered To 6.5mm Diameter, 195mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric).....	11.28	
			<i>For Up To 10, Add</i>	4.83	
			<i>For >10 To 50, Add</i>	2.42	
			<i>For Metal Stud Clip, Add</i>	2.54	
04 01 20 41-0147	EA		8mm Tapered To 6.5mm Diameter, 220mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric).....	11.76	
			<i>For Up To 10, Add</i>	4.83	
			<i>For >10 To 50, Add</i>	2.42	
			<i>For Metal Stud Clip, Add</i>	2.54	
04 01 20 41-0148	EA		8mm Tapered To 6.5mm Diameter, 245mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric).....	12.52	
			<i>For Up To 10, Add</i>	4.83	
			<i>For >10 To 50, Add</i>	2.42	
			<i>For Metal Stud Clip, Add</i>	2.54	
04 01 20 41-0149	EA		8mm Tapered To 6.5mm Diameter, 270mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric).....	12.76	
			<i>For Up To 10, Add</i>	4.83	
			<i>For >10 To 50, Add</i>	2.42	
			<i>For Metal Stud Clip, Add</i>	2.54	
04 01 20 41-0150	EA		8mm Tapered To 6.5mm Diameter, 295mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric).....	13.51	
			<i>For Up To 10, Add</i>	4.83	
			<i>For >10 To 50, Add</i>	2.42	
			<i>For Metal Stud Clip, Add</i>	2.54	
04 01 20 41-0151	EA		10mm Tapered To 8mm Diameter, 155mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric).....	11.37	
			<i>For Up To 10, Add</i>	4.83	
			<i>For >10 To 50, Add</i>	2.42	
			<i>For Metal Stud Clip, Add</i>	2.54	
04 01 20 41-0152	EA		10mm Tapered To 8mm Diameter, 170mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric).....	12.03	
			<i>For Up To 10, Add</i>	4.83	
			<i>For >10 To 50, Add</i>	2.42	
			<i>For Metal Stud Clip, Add</i>	2.54	
04 01 20 41-0153	EA		10mm Tapered To 8mm Diameter, 195mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric).....	12.49	
			<i>For Up To 10, Add</i>	4.83	
			<i>For >10 To 50, Add</i>	2.42	
			<i>For Metal Stud Clip, Add</i>	2.54	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 01 20 41-0154 EA 10mm Tapered To 8mm Diameter, 220mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric)	12.79	
<i>For Up To 10, Add</i>	4.83	
<i>For >10 To 50, Add</i>	2.42	
<i>For Metal Stud Clip, Add</i>	2.54	
04 01 20 41-0155 EA 10mm Tapered To 8mm Diameter, 245mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric)	12.99	
<i>For Up To 10, Add</i>	4.83	
<i>For >10 To 50, Add</i>	2.42	
<i>For Metal Stud Clip, Add</i>	2.54	
04 01 20 41-0156 EA 10mm Tapered To 8mm Diameter, 300mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric)	13.48	
<i>For Up To 10, Add</i>	4.83	
<i>For >10 To 50, Add</i>	2.42	
<i>For Metal Stud Clip, Add</i>	2.54	
04 01 20 41-0157 EA 316 Stainless Steel, Seismic Connector (Helifix® DryFix®)	5.06	
Note: For installation over the DryFix® helical pin. Excludes removal of grout from the horizontal mortar joint and installation of Helibar or 9 gauge continuous wire.		
<i>For Up To 10, Add</i>	2.42	
<i>For >10 To 50, Add</i>	1.21	
04 01 20 41-0158 Concrete Patching Pins (Helifix® PatchPin) (04 01 20 41-0001)		
Note: Austenitic stainless steel. For patching reinforced concrete. Includes drilling. Excludes patching mortar.		
04 01 20 41-0159 304 Stainless Steel Helical Pin, Concrete Patching Pins (Helifix® PatchPin)		
(04 01 20 41-0158)		
04 01 20 41-0160 EA 8mm Diameter, 70mm Length, 304 Stainless Steel Helical Pin, Concrete Patching Pin (Helifix® PatchPin)	6.72	
<i>For Up To 10, Add</i>	4.83	
<i>For >10 To 50, Add</i>	2.42	
04 01 20 41-0161 EA 8mm Diameter, 102mm Length, 304 Stainless Steel Helical Pin, Concrete Patching Pin (Helifix® PatchPin)	6.78	
<i>For Up To 10, Add</i>	4.83	
<i>For >10 To 50, Add</i>	2.42	
04 01 20 41-0162 316 Stainless Steel Helical Pin, Concrete Patching Pins (Helifix® PatchPin)		
(04 01 20 41-0158)		
04 01 20 41-0163 EA 8mm Diameter, 70mm Length, 316 Stainless Steel Helical Pin, Concrete Patching Pin (Helifix® PatchPin)	7.09	
<i>For Up To 10, Add</i>	4.83	
<i>For >10 To 50, Add</i>	2.42	
04 01 20 41-0164 EA 8mm Diameter, 102mm Length, 316 Stainless Steel Helical Pin, Concrete Patching Pin (Helifix® PatchPin)	7.17	
<i>For Up To 10, Add</i>	4.83	
<i>For >10 To 50, Add</i>	2.42	
04 01 20 41-0165 Movement Joint Ties (Helifix® Movement Joint Tie) (04 01 20 41-0001)		
Note: Austenitic stainless steel. For creating movement joints in existing walls. Includes removing horizontal mortar and re-pointing mortar bed. Includes cementitious grout.		
04 01 20 41-0166 304 Stainless Steel Helical Pin, Movement Joint Ties (Helifix® Movement Joint Tie) (04 01 20 41-0165)		
04 01 20 41-0167 EA 6mm Diameter, 400mm Length, 304 Stainless Steel Helical Pin, Movement Joint Tie With De-Bond Sleeve (Helifix® Movement Joint Tie)	42.97	
<i>For Up To 10, Add</i>	32.20	
<i>For >10 To 50, Add</i>	16.10	
04 01 20 41-0168 316 Stainless Steel Helical Pin, Movement Joint Ties (Helifix® Movement Joint Tie) (04 01 20 41-0165)		
04 01 20 41-0169 EA 6mm Diameter, 400mm Length, 316 Stainless Steel Helical Pin, Movement Joint Tie With De-Bond Sleeve (Helifix® Movement Joint Tie)	44.63	
<i>For Up To 10, Add</i>	32.20	
<i>For >10 To 50, Add</i>	16.10	
04 01 20 51 Unit Masonry Maintenance (04 01 20)		
04 01 20 51-0001 Grind Unit Masonry (04 01 20 51)		
04 01 20 51-0002 SF Grind Smooth Masonry Wall	2.95	
04 01 20 52 Unit Masonry Cleaning (04 01 20)		
04 01 20 52-0001 Cleaning And Repointing Masonry (04 01 20 52)		
Note: Includes mortar for pointing. Excludes removing mortar.		
04 01 20 52-0002 SF Clean And Repoint Brick Masonry	1.97	
04 01 20 52-0003 SF Clean And Repoint Concrete Block Masonry	1.31	
04 01 20 52-0004 SF Clean And Repoint Brick On Historic Buildings	2.56	
04 01 20 91 Unit Masonry Restoration (04 01 20)		
04 01 20 91-0001 Cut And Repoint Masonry (04 01 20 91)		
Note: Remove existing mortar to 3/4" depth. Repoint with pointing mortar. Includes pointing mortar, cutting, rinsing and cleaning joint.		

04 Masonry**04 01 Maintenance Of Masonry****04 01 20 Maintenance Of Unit Masonry**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 01 20 91-0002 SF Cut And Repoint Brick, Hard Intact Mortar, Running Bond	10.58	
For Common Bond, Add	0.30	
For Flemish Bond, Add	1.06	
For English Bond, Add	1.73	
For Oversized Or Larger Than Standard, Deduct	-1.59	
For >250 To 1,000, Deduct	-0.38	
For >1,000, Deduct	-0.91	
04 01 20 91-0003 SF Cut And Repoint Brick, Soft, Loose Or Crumbling Mortar, Running Bond	7.98	
For Common Bond, Add	0.20	
For Flemish Bond, Add	0.72	
For English Bond, Add	1.18	
For Oversized Or Larger Than Standard, Deduct	-1.20	
For >250 To 1,000, Deduct	-0.26	
For >1,000, Deduct	-0.66	
04 01 20 91-0004 SF Cut And Repoint Concrete Block, Hard Intact Mortar, Running Bond.....	6.44	
For Common Bond, Add	0.15	
For Oversized Or Larger Than Standard, Deduct	-0.97	
For >250 To 1,000, Deduct	-0.19	
For >1,000, Deduct	-0.51	
04 01 20 91-0005 SF Cut And Repoint Concrete Block, Soft, Loose Or Crumbling Mortar, Running Bond	4.95	
For Common Bond, Add	0.10	
For Oversized Or Larger Than Standard, Deduct	-0.74	
For >250 To 1,000, Deduct	-0.13	
For >1,000, Deduct	-0.38	
04 01 20 91-0006 LF Cut And Repoint Brick/Block, Irregular Shapes And Other Than Complete SF Area.....	2.34	
04 01 20 91-0007 Cut And Caulk Masonry (04 01 20 91)		
Note: Remove existing mortar to 1/2" depth. Replace with caulk. Includes caulk, cutting, rinsing and cleaning joint.		
04 01 20 91-0008 LF Cut And Caulk Masonry, Butyl Caulks	4.58	
For Vertical Expansion Joint Material, Add	0.21	
For 3/4" Deep Cut, Add	1.37	
04 01 20 91-0009 LF Cut And Caulk Masonry, Polysulfide Or Acrylic Caulks	5.70	
For Vertical Expansion Joint Material, Add	0.22	
For 3/4" Deep Cut, Add	1.71	
04 01 20 91-0010 LF Cut And Caulk Masonry, Silicone Caulks.....	6.78	
For Vertical Expansion Joint Material, Add	0.26	
For 3/4" Deep Cut, Add	2.03	
04 01 20 91-0011 Repair Masonry (04 01 20 91)		
Note: Includes mortar for repair.		
04 01 20 91-0012 SF Patch And Repair Terra Cotta Walls Or Coping, Including Replacement Of Damaged Material	13.32	
04 01 20 91-0013 SF Patch And Repair Terra Cotta Floors, Including Replacement Of Damaged Material.....	12.29	
04 01 20 91-0014 LF Chip And Repair With Masonry Patch, Cracks Up To 1/4".....	3.66	
04 01 20 91-0015 SF Patching Over Masonry Surface With Elastomeric Paint Using A Trowel 6" Blade.....	6.66	
04 01 20 91-0016 LF Pressure Grout Block/Brick Using LA City RGA Rule Of General Application 1-91 (Portland Cement Base).....	358.17	
04 01 20 91-0017 LF Pressure Grout Block/Brick Master Builders RHEOCHEM 900 (Portland Cement Base).....	102.18	
04 01 20 91-0018 LF Up To 1/4" Wide, Water Activated Polyurethane Foam Grout, Non Structural Crack Repair For Masonry, Installed With Automated Injection Equipment (SealBoss 1570)	24.24	
For Cracks Accessible From Both Sides, Add	4.90	
04 01 20 91-0019 LF Up To 1/4" Wide, Moisture Tolerant, Low Viscosity, High Strength Epoxy Resin, Structural Crack Repair For Masonry, Installed With Automated Injection Equipment (Sikadur® 52).....	22.26	
For Cracks Accessible From Both Sides, Add	4.90	
04 01 20 91-0020 LF Up To 1/4" Wide, Moisture Tolerant, Low Viscosity, High Strength Epoxy Resin, Gravity Fed Structural Crack Repair For Masonry, Surface Applied Trowel (Sikadur® 52).....	6.43	
For V-Grooving Crack With Grinder, Add	4.76	
04 01 20 91-0021 LF >1/4" To 1/2" Wide, Moisture Tolerant, Low Viscosity, High Strength Epoxy Resin, Gravity Fed Structural Crack Repair For Masonry, Surface Applied With Trowel (Sikadur® 52).....	8.51	
For V-Grooving Crack With Grinder, Add	4.51	
04 01 40 Maintenance of Stone Assemblies (04 01)		
04 01 40 52 Stone Cleaning (04 01 40)		
04 01 40 52-0001 Cleaning And Pointing Stone (04 01 40 52)		
04 01 40 52-0002 SF Clean And Repoint Limestone On Historic Buildings	2.16	
04 01 40 52-0003 SF Clean And Repoint Marble, Tile, Stone Or Granite	1.86	
04 01 40 91 Stone Restoration (04 01 40)		
04 01 40 91-0001 Cut And Repoint (04 01 40 91)		
04 01 40 91-0002 LF Cut And Repoint Stone Work.....	4.72	
04 01 40 91-0003 Repair (04 01 40 91)		
04 01 40 91-0004 SF Repair Field Stone Walls, Including Remove Damaged Stones And Reset.....	31.22	
04 01 40 91-0005 SF Repair Molded Stone	3.30	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 01 40 91-0006 Clean And Patch Existing Stonework <small>(04 01 40 91)</small> Note: Excludes cutting, drilling or anchor bolts if required.		
04 01 40 91-0007 SF Clean And Patch Existing Stonework	3.43	
04 01 40 91-0008 Removal Of Deteriorated Stone <small>(04 01 40 91)</small> Note: Includes cutting of stone for removal.		
04 01 40 91-0009 SF Removal Of Deteriorated Stone	7.46	
04 01 50 Maintenance of Refractory Masonry <small>(04 01)</small>		
04 01 50 52 Refractory Cleaning <small>(04 01 50)</small>		
04 01 50 52-0001 Chimney Cleaning <small>(04 01 50 52)</small>		
04 01 50 52-0002 LF Up To 2 SF Cross Section Chimney Cleaning	5.78	
04 01 50 52-0003 LF >2 To 4 SF Cross Section Chimney Cleaning	11.54	
04 01 50 52-0004 LF >4 SF Cross Section Chimney Cleaning	17.32	
04 05 Common Work Results For Masonry <small>(04)</small>		
04 05 13 Masonry Mortaring <small>(04 05)</small>		
04 05 13 26 Engineered Masonry Mortaring <small>(04 05 13)</small> Note: Mortar, sand and standard supplements are included in the cost of brick, block, stone, simulated or synthetic masonry units.		
04 05 13 26-0001 Masonry Cement Mortar <small>(04 05 13 26)</small> Note: Ratio is bag material to sand.		
04 05 13 26-0002 CF Type M Masonry Cement 1:1:6 Mix	4.87	
04 05 13 26-0003 CF Type N Masonry Cement 1:3 Mix	4.49	
04 05 13 26-0004 CF Type O Masonry Cement 1:3 Mix	4.61	
04 05 13 26-0005 CF Type PM Masonry Cement 1:1:6 Mix, 2,500 PSI	5.05	
04 05 13 26-0006 CF Type S Masonry Cement 1/2:1:4 Mix	5.33	
04 05 13 26-0007 Mortar Admixture <small>(04 05 13 26)</small>		
04 05 13 26-0008 CF Water - Repellent Stearate - Cost Based On CF Of Mortar	0.37	
04 05 13 26-0009 CF Pozzolanic Plasticizers - Cost Based On CF Of Mortar	0.07	
04 05 13 26-0010 Color Admixtures For Mortar <small>(04 05 13 26)</small> Note: Costs are based on CF of mortar.		
04 05 13 26-0011 CF Buff Colored Admixture	2.34	
04 05 13 26-0012 CF Brown Colored Admixture	2.66	
04 05 13 26-0013 CF Black Colored Admixture	3.29	
04 05 13 26-0014 CF Red Colored Admixture	7.19	
04 05 13 26-0015 Portland Cement <small>(04 05 13 26)</small>		
04 05 13 26-0016 CF Normal Portland Cement (Type I)	12.47	
04 05 13 26-0017 CF Modified Portland Cement (Type II)	6.22	
04 05 13 26-0018 CF High Early Strength (Type III)	6.60	
04 05 13 26-0019 CF White Non Staining Portland Cement (Type I)	13.82	
04 05 16 Masonry Grouting <small>(04 05)</small>		
04 05 16 26 Engineered Masonry Grouting <small>(04 05 16)</small> Note: Does not include reinforcement.		
04 05 16 26-0001 Bond Beams And Lintels, Concrete Fill <small>(04 05 16 26)</small> Note: Excludes block.		
04 05 16 26-0002 LF Grout Beams And Lintels - 6" Block Concrete Fill Only, 0.1125 CF/LF, 8" Deep	3.67	
04 05 16 26-0003 LF Grout Beams And Lintels - 8" Block Concrete Fill Only, 0.20 CF/LF, 8" Deep	4.02	
04 05 16 26-0004 LF Grout Beams And Lintels - 10" Block Concrete Fill Only, 0.25 CF/LF, 8" Deep	4.50	
04 05 16 26-0005 LF Grout Beams And Lintels, 12" Block Concrete Fill Only, 0.30 CF/LF, 8" Deep	5.04	
04 05 16 26-0006 Concrete Block Cores, Solid Filled <small>(04 05 16 26)</small> Note: Per SF of face area filled.		
04 05 16 26-0007 SF Grout Concrete Block Cores- 4" Block Concrete Fill Block Solid (0.067 CF/SF)	2.84	
04 05 16 26-0008 SF Grout Concrete Block Cores- 6" Block Concrete Fill Block Solid (0.175 CF/SF)	4.16	
04 05 16 26-0009 SF Grout Concrete Block Cores- 8" Block Concrete Fill Block Solid (0.258 CF/SF)	5.95	
04 05 16 26-0010 SF Grout Concrete Block Cores- 10" Block Concrete Fill Block Solid (0.34 CF/SF)	7.32	
04 05 16 26-0011 SF Grout Concrete Block Cores- 12" Block Concrete Fill Block Solid (0.422 CF/SF)	8.65	

04 Masonry**04 05 Common Work Results For Masonry****04 05 16 Masonry Grouting**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 16 26-0012 Cavity Walls <small>(04 05 16 26)</small> Note: Per SF of face area filled.		
04 05 16 26-0013 SF Grout Cavity Walls - 2" Space Concrete Fill (0.167 CF/SF)	3.39	
04 05 16 26-0014 SF Grout Cavity Walls - 3" Space Concrete Fill (0.250 CF/SF)	4.77	
04 05 16 26-0015 SF Grout Cavity Walls - 4" Space Concrete Fill (0.333 CF/SF)	6.02	
04 05 16 26-0016 SF Grout Cavity Walls - 6" Space Concrete Fill (0.500 CF/SF)	8.18	
04 05 16 26-0017 Grouting Frames <small>(04 05 16 26)</small>		
04 05 16 26-0018 LF Grout Door Frames - Grout Fill	5.41	
04 05 16 26-0019 LF Grout Window Frames - Grout Fill	4.65	
04 05 16 26-0020 Sand Filled Walls <small>(04 05 16 26)</small>		
04 05 16 26-0021 Cavity Walls Sand Fill Concrete Block <small>(04 05 16 26-0020)</small> Note: Per SF of face area filled.		
04 05 16 26-0022 SF Sand Fill Cavity Walls - 2" Space (0.167 CF/SF)	2.85	
04 05 16 26-0023 SF Sand Fill Cavity Walls - 3" Space (0.250 CF/SF)	3.94	
04 05 16 26-0024 SF Sand Fill Cavity Walls - 4" Space (0.333 CF/SF)	4.87	
04 05 16 26-0025 SF Sand Fill Cavity Walls - 6" Space (0.500 CF/SF)	6.53	
04 05 19 Masonry Anchorage And Reinforcing <small>(04 05)</small>		
04 05 19 13 Continuous Joint Reinforcing <small>(04 05 19)</small> Note: Includes cutting and bending.		
04 05 19 13-0001 Continuous Joint Reinforcing <small>(04 05 19 13)</small>		
04 05 19 13-0002 Ladder-Type, Masonry Wall Reinforcement <small>(04 05 19 13-0001)</small>		
04 05 19 13-0003 Ladder-Type, Masonry Wall Reinforcement <small>(04 05 19 13-0002)</small>		
04 05 19 13-0004 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement <small>(04 05 19 13-0003)</small>		
04 05 19 13-0005 CLF #4 (For 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	38.39	
For Class 1 Mill Galvanized, Add	1.37	
For Class 2 Mill Galvanized, Add	2.06	
For Hot-Dipped Galvanized, Add	3.43	
For Stainless Steel, Add	13.72	
For Cavity Drip, Add	0.50	
For 3-Wire, Add	8.75	
For Double Side Rods, Add	17.50	
04 05 19 13-0006 CLF #6 (For 6" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	40.88	
For Class 1 Mill Galvanized, Add	1.44	
For Class 2 Mill Galvanized, Add	2.16	
For Hot-Dipped Galvanized, Add	3.60	
For Stainless Steel, Add	14.40	
For Cavity Drip, Add	0.50	
For 3-Wire, Add	8.75	
For Double Side Rods, Add	17.50	
04 05 19 13-0007 CLF #8 (For 8" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	44.34	
For Class 1 Mill Galvanized, Add	1.52	
For Class 2 Mill Galvanized, Add	2.28	
For Hot-Dipped Galvanized, Add	3.80	
For Stainless Steel, Add	15.18	
For Cavity Drip, Add	0.50	
For 3-Wire, Add	8.75	
For Double Side Rods, Add	17.50	
04 05 19 13-0008 CLF #10 (For 10" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	48.44	
For Class 1 Mill Galvanized, Add	1.61	
For Class 2 Mill Galvanized, Add	2.41	
For Hot-Dipped Galvanized, Add	4.02	
For Stainless Steel, Add	16.06	
For Cavity Drip, Add	0.50	
For 3-Wire, Add	8.75	
For Double Side Rods, Add	17.50	
04 05 19 13-0009 CLF #12 (For 12" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	53.37	
For Class 1 Mill Galvanized, Add	1.69	
For Class 2 Mill Galvanized, Add	2.54	
For Hot-Dipped Galvanized, Add	4.23	
For Stainless Steel, Add	16.92	
For Cavity Drip, Add	0.50	
For 3-Wire, Add	8.75	
For Double Side Rods, Add	17.50	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 13-0010 CLF #13 (For 13" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	57.16	
<i>For Class 1 Mill Galvanized, Add</i>	1.73	
<i>For Class 2 Mill Galvanized, Add</i>	2.60	
<i>For Hot-Dipped Galvanized, Add</i>	4.34	
<i>For Stainless Steel, Add</i>	17.34	
<i>For Cavity Drip, Add</i>	0.50	
<i>For 3-Wire, Add</i>	8.75	
<i>For Double Side Rods, Add</i>	17.50	
04 05 19 13-0011 CLF #14 (For 14" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	59.83	
<i>For Class 1 Mill Galvanized, Add</i>	1.78	
<i>For Class 2 Mill Galvanized, Add</i>	2.67	
<i>For Hot-Dipped Galvanized, Add</i>	4.46	
<i>For Stainless Steel, Add</i>	17.82	
<i>For Cavity Drip, Add</i>	0.50	
<i>For 3-Wire, Add</i>	8.75	
<i>For Double Side Rods, Add</i>	17.50	
04 05 19 13-0012 CLF #16 (For 16" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	66.41	
<i>For Class 1 Mill Galvanized, Add</i>	2.45	
<i>For Class 2 Mill Galvanized, Add</i>	3.68	
<i>For Hot-Dipped Galvanized, Add</i>	6.13	
<i>For Stainless Steel, Add</i>	24.50	
<i>For Cavity Drip, Add</i>	0.50	
<i>For 3-Wire, Add</i>	8.75	
<i>For Double Side Rods, Add</i>	17.50	
04 05 19 13-0013 CLF #18 (For 18" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	76.33	
<i>For Class 1 Mill Galvanized, Add</i>	3.79	
<i>For Class 2 Mill Galvanized, Add</i>	5.68	
<i>For Hot-Dipped Galvanized, Add</i>	9.47	
<i>For Stainless Steel, Add</i>	37.88	
<i>For Cavity Drip, Add</i>	0.50	
<i>For 3-Wire, Add</i>	8.75	
<i>For Double Side Rods, Add</i>	17.50	
04 05 19 13-0014 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement <small>(04 05 19 13-0003)</small>		
04 05 19 13-0015 CLF #4 (For 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	42.19	
<i>For Class 1 Mill Galvanized, Add</i>	2.13	
<i>For Class 2 Mill Galvanized, Add</i>	3.20	
<i>For Hot-Dipped Galvanized, Add</i>	5.33	
<i>For Stainless Steel, Add</i>	21.32	
<i>For Cavity Drip, Add</i>	0.50	
<i>For 3-Wire, Add</i>	8.75	
<i>For Double Side Rods, Add</i>	17.50	
04 05 19 13-0016 CLF #6 (For 6" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	44.73	
<i>For Class 1 Mill Galvanized, Add</i>	2.21	
<i>For Class 2 Mill Galvanized, Add</i>	3.32	
<i>For Hot-Dipped Galvanized, Add</i>	5.53	
<i>For Stainless Steel, Add</i>	22.10	
<i>For Cavity Drip, Add</i>	0.50	
<i>For 3-Wire, Add</i>	8.75	
<i>For Double Side Rods, Add</i>	17.50	
04 05 19 13-0017 CLF #8 (For 8" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	48.23	
<i>For Class 1 Mill Galvanized, Add</i>	2.30	
<i>For Class 2 Mill Galvanized, Add</i>	3.44	
<i>For Hot-Dipped Galvanized, Add</i>	5.74	
<i>For Stainless Steel, Add</i>	22.96	
<i>For Cavity Drip, Add</i>	0.50	
<i>For 3-Wire, Add</i>	8.75	
<i>For Double Side Rods, Add</i>	17.50	
04 05 19 13-0018 CLF #10 (For 10" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	52.29	
<i>For Class 1 Mill Galvanized, Add</i>	2.38	
<i>For Class 2 Mill Galvanized, Add</i>	3.56	
<i>For Hot-Dipped Galvanized, Add</i>	5.94	
<i>For Stainless Steel, Add</i>	23.76	
<i>For Cavity Drip, Add</i>	0.50	
<i>For 3-Wire, Add</i>	8.75	
<i>For Double Side Rods, Add</i>	17.50	
04 05 19 13-0019 CLF #12 (For 12" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	57.21	
<i>For Class 1 Mill Galvanized, Add</i>	2.46	
<i>For Class 2 Mill Galvanized, Add</i>	3.69	
<i>For Hot-Dipped Galvanized, Add</i>	6.15	
<i>For Stainless Steel, Add</i>	24.60	
<i>For Cavity Drip, Add</i>	0.50	
<i>For 3-Wire, Add</i>	8.75	
<i>For Double Side Rods, Add</i>	17.50	

04 Masonry**04 05 Common Work Results For Masonry****04 05 19 Masonry Anchorage And Reinforcing**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 13-0020 CLF #13 (For 13" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	61.01	
For Class 1 Mill Galvanized, Add	2.51	
For Class 2 Mill Galvanized, Add	3.76	
For Hot-Dipped Galvanized, Add	6.27	
For Stainless Steel, Add	25.06	
For Cavity Drip, Add	0.50	
For 3-Wire, Add	8.75	
For Double Side Rods, Add	17.50	
04 05 19 13-0021 CLF #14 (For 14" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	63.66	
For Class 1 Mill Galvanized, Add	2.55	
For Class 2 Mill Galvanized, Add	3.82	
For Hot-Dipped Galvanized, Add	6.37	
For Stainless Steel, Add	25.48	
For Cavity Drip, Add	0.50	
For 3-Wire, Add	8.75	
For Double Side Rods, Add	17.50	
04 05 19 13-0022 CLF #16 (For 16" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	71.46	
For Class 1 Mill Galvanized, Add	3.46	
For Class 2 Mill Galvanized, Add	5.19	
For Hot-Dipped Galvanized, Add	8.66	
For Stainless Steel, Add	34.62	
For Cavity Drip, Add	0.50	
For 3-Wire, Add	8.75	
For Double Side Rods, Add	17.50	
04 05 19 13-0023 CLF #18 (For 18" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	85.00	
For Class 1 Mill Galvanized, Add	5.52	
For Class 2 Mill Galvanized, Add	8.29	
For Hot-Dipped Galvanized, Add	13.81	
For Stainless Steel, Add	55.24	
For Cavity Drip, Add	0.50	
For 3-Wire, Add	8.75	
For Double Side Rods, Add	17.50	
04 05 19 13-0024 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement <small>(04 05 19 13-0003)</small>		
04 05 19 13-0025 CLF #4 (For 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement	45.87	
For Class 1 Mill Galvanized, Add	2.87	
For Class 2 Mill Galvanized, Add	4.30	
For Hot-Dipped Galvanized, Add	7.17	
For Stainless Steel, Add	28.68	
For Cavity Drip, Add	0.50	
For 3-Wire, Add	8.75	
For Double Side Rods, Add	17.50	
04 05 19 13-0026 CLF #6 (For 6" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement	49.08	
For Class 1 Mill Galvanized, Add	3.03	
For Class 2 Mill Galvanized, Add	4.54	
For Hot-Dipped Galvanized, Add	7.57	
For Stainless Steel, Add	30.26	
For Cavity Drip, Add	0.50	
For 3-Wire, Add	8.75	
For Double Side Rods, Add	17.50	
04 05 19 13-0027 CLF #8 (For 8" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement	52.30	
For Class 1 Mill Galvanized, Add	3.18	
For Class 2 Mill Galvanized, Add	4.78	
For Hot-Dipped Galvanized, Add	7.96	
For Stainless Steel, Add	31.84	
For Cavity Drip, Add	0.50	
For 3-Wire, Add	8.75	
For Double Side Rods, Add	17.50	
04 05 19 13-0028 CLF #10 (For 10" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement	57.27	
For Class 1 Mill Galvanized, Add	3.37	
For Class 2 Mill Galvanized, Add	5.06	
For Hot-Dipped Galvanized, Add	8.43	
For Stainless Steel, Add	33.72	
For Cavity Drip, Add	0.50	
For 3-Wire, Add	8.75	
For Double Side Rods, Add	17.50	
04 05 19 13-0029 CLF #12 (For 12" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement	62.26	
For Class 1 Mill Galvanized, Add	3.56	
For Class 2 Mill Galvanized, Add	5.34	
For Hot-Dipped Galvanized, Add	8.90	
For Stainless Steel, Add	35.60	
For Cavity Drip, Add	0.50	
For 3-Wire, Add	8.75	
For Double Side Rods, Add	17.50	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 13-0030 CLF #13 (For 13" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement	66.80	
<i>For Class 1 Mill Galvanized, Add</i>	3.66	
<i>For Class 2 Mill Galvanized, Add</i>	5.49	
<i>For Hot-Dipped Galvanized, Add</i>	9.15	
<i>For Stainless Steel, Add</i>	36.60	
<i>For Cavity Drip, Add</i>	0.50	
<i>For 3-Wire, Add</i>	8.75	
<i>For Double Side Rods, Add</i>	17.50	
04 05 19 13-0031 CLF #14 (For 14" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement	69.25	
<i>For Class 1 Mill Galvanized, Add</i>	3.75	
<i>For Class 2 Mill Galvanized, Add</i>	5.62	
<i>For Hot-Dipped Galvanized, Add</i>	9.37	
<i>For Stainless Steel, Add</i>	37.46	
<i>For Cavity Drip, Add</i>	0.50	
<i>For 3-Wire, Add</i>	8.75	
<i>For Double Side Rods, Add</i>	17.50	
04 05 19 13-0032 CLF #16 (For 16" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement	73.75	
<i>For Class 1 Mill Galvanized, Add</i>	3.92	
<i>For Class 2 Mill Galvanized, Add</i>	5.88	
<i>For Hot-Dipped Galvanized, Add</i>	9.80	
<i>For Stainless Steel, Add</i>	39.18	
<i>For Cavity Drip, Add</i>	0.50	
<i>For 3-Wire, Add</i>	8.75	
<i>For Double Side Rods, Add</i>	17.50	
04 05 19 13-0033 CLF #18 (For 18" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement	89.94	
<i>For Class 1 Mill Galvanized, Add</i>	6.51	
<i>For Class 2 Mill Galvanized, Add</i>	9.77	
<i>For Hot-Dipped Galvanized, Add</i>	16.28	
<i>For Stainless Steel, Add</i>	65.10	
<i>For Cavity Drip, Add</i>	0.50	
<i>For 3-Wire, Add</i>	8.75	
<i>For Double Side Rods, Add</i>	17.50	
04 05 19 13-0034 Ladder-Type With Tabs, Masonry Wall Reinforcement <small>(04 05 19 13-0002)</small>		
04 05 19 13-0035 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement <small>(04 05 19 13-0034)</small>		
04 05 19 13-0036 CLF #8 (For 8" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement	52.58	
<i>For Class 1 Mill Galvanized, Add</i>	2.33	
<i>For Class 2 Mill Galvanized, Add</i>	3.50	
<i>For Hot-Dipped Galvanized, Add</i>	5.83	
<i>For Stainless Steel, Add</i>	23.32	
<i>For Cavity Drip, Add</i>	0.50	
04 05 19 13-0037 CLF #10 (For 10" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement.....	58.20	
<i>For Class 1 Mill Galvanized, Add</i>	2.55	
<i>For Class 2 Mill Galvanized, Add</i>	3.82	
<i>For Hot-Dipped Galvanized, Add</i>	6.37	
<i>For Stainless Steel, Add</i>	25.46	
<i>For Cavity Drip, Add</i>	0.50	
04 05 19 13-0038 CLF #12 (For 12" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement.....	63.69	
<i>For Class 1 Mill Galvanized, Add</i>	2.73	
<i>For Class 2 Mill Galvanized, Add</i>	4.10	
<i>For Hot-Dipped Galvanized, Add</i>	6.84	
<i>For Stainless Steel, Add</i>	27.34	
<i>For Cavity Drip, Add</i>	0.50	
04 05 19 13-0039 CLF #13 (For 13" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement.....	68.78	
<i>For Class 1 Mill Galvanized, Add</i>	2.84	
<i>For Class 2 Mill Galvanized, Add</i>	4.27	
<i>For Hot-Dipped Galvanized, Add</i>	7.11	
<i>For Stainless Steel, Add</i>	28.44	
<i>For Cavity Drip, Add</i>	0.50	
04 05 19 13-0040 CLF #14 (For 14" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement.....	71.56	
<i>For Class 1 Mill Galvanized, Add</i>	2.94	
<i>For Class 2 Mill Galvanized, Add</i>	4.42	
<i>For Hot-Dipped Galvanized, Add</i>	7.36	
<i>For Stainless Steel, Add</i>	29.44	
<i>For Cavity Drip, Add</i>	0.50	
04 05 19 13-0041 CLF #16 (For 16" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement.....	76.76	
<i>For Class 1 Mill Galvanized, Add</i>	3.17	
<i>For Class 2 Mill Galvanized, Add</i>	4.75	
<i>For Hot-Dipped Galvanized, Add</i>	7.92	
<i>For Stainless Steel, Add</i>	31.68	
<i>For Cavity Drip, Add</i>	0.50	

04 Masonry**04 05 Common Work Results For Masonry****04 05 19 Masonry Anchorage And Reinforcing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 13-0042	CLF		#18 (For 18" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement.....	81.34	
			<i>For Class 1 Mill Galvanized, Add</i>	3.35	
			<i>For Class 2 Mill Galvanized, Add</i>	5.03	
			<i>For Hot-Dipped Galvanized, Add</i>	8.39	
			<i>For Stainless Steel, Add</i>	33.54	
			<i>For Cavity Drip, Add</i>	0.50	
04 05 19 13-0043			3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement		
			<small>(04 05 19 13-0034)</small>		
04 05 19 13-0044	CLF		#8 (For 8" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement	57.31	
			<i>For Class 1 Mill Galvanized, Add</i>	3.28	
			<i>For Class 2 Mill Galvanized, Add</i>	4.92	
			<i>For Hot-Dipped Galvanized, Add</i>	8.20	
			<i>For Stainless Steel, Add</i>	32.78	
			<i>For Cavity Drip, Add</i>	0.50	
04 05 19 13-0045	CLF		#10 (For 10" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement	62.94	
			<i>For Class 1 Mill Galvanized, Add</i>	3.49	
			<i>For Class 2 Mill Galvanized, Add</i>	5.24	
			<i>For Hot-Dipped Galvanized, Add</i>	8.74	
			<i>For Stainless Steel, Add</i>	34.94	
			<i>For Cavity Drip, Add</i>	0.50	
04 05 19 13-0046	CLF		#12 (For 12" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement	68.38	
			<i>For Class 1 Mill Galvanized, Add</i>	3.67	
			<i>For Class 2 Mill Galvanized, Add</i>	5.51	
			<i>For Hot-Dipped Galvanized, Add</i>	9.18	
			<i>For Stainless Steel, Add</i>	36.72	
			<i>For Cavity Drip, Add</i>	0.50	
04 05 19 13-0047	CLF		#13 (For 13" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement	73.52	
			<i>For Class 1 Mill Galvanized, Add</i>	3.79	
			<i>For Class 2 Mill Galvanized, Add</i>	5.69	
			<i>For Hot-Dipped Galvanized, Add</i>	9.48	
			<i>For Stainless Steel, Add</i>	37.92	
			<i>For Cavity Drip, Add</i>	0.50	
04 05 19 13-0048	CLF		#14 (For 14" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement	76.30	
			<i>For Class 1 Mill Galvanized, Add</i>	3.89	
			<i>For Class 2 Mill Galvanized, Add</i>	5.84	
			<i>For Hot-Dipped Galvanized, Add</i>	9.73	
			<i>For Stainless Steel, Add</i>	38.92	
			<i>For Cavity Drip, Add</i>	0.50	
04 05 19 13-0049	CLF		#16 (For 16" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement	81.50	
			<i>For Class 1 Mill Galvanized, Add</i>	4.12	
			<i>For Class 2 Mill Galvanized, Add</i>	6.17	
			<i>For Hot-Dipped Galvanized, Add</i>	10.29	
			<i>For Stainless Steel, Add</i>	41.16	
			<i>For Cavity Drip, Add</i>	0.50	
04 05 19 13-0050	CLF		#18 (For 18" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement	86.14	
			<i>For Class 1 Mill Galvanized, Add</i>	4.31	
			<i>For Class 2 Mill Galvanized, Add</i>	6.47	
			<i>For Hot-Dipped Galvanized, Add</i>	10.79	
			<i>For Stainless Steel, Add</i>	43.14	
			<i>For Cavity Drip, Add</i>	0.50	
04 05 19 13-0051			3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement		
			<small>(04 05 19 13-0034)</small>		
04 05 19 13-0052	CLF		#8 (For 8" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement	59.61	
			<i>For Class 1 Mill Galvanized, Add</i>	3.74	
			<i>For Class 2 Mill Galvanized, Add</i>	5.61	
			<i>For Hot-Dipped Galvanized, Add</i>	9.35	
			<i>For Stainless Steel, Add</i>	37.38	
			<i>For Cavity Drip, Add</i>	0.50	
04 05 19 13-0053	CLF		#10 (For 10" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement	65.79	
			<i>For Class 1 Mill Galvanized, Add</i>	4.06	
			<i>For Class 2 Mill Galvanized, Add</i>	6.10	
			<i>For Hot-Dipped Galvanized, Add</i>	10.16	
			<i>For Stainless Steel, Add</i>	40.64	
			<i>For Cavity Drip, Add</i>	0.50	
04 05 19 13-0054	CLF		#12 (For 12" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement	71.93	
			<i>For Class 1 Mill Galvanized, Add</i>	4.38	
			<i>For Class 2 Mill Galvanized, Add</i>	6.57	
			<i>For Hot-Dipped Galvanized, Add</i>	10.96	
			<i>For Stainless Steel, Add</i>	43.82	
			<i>For Cavity Drip, Add</i>	0.50	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 13-0055 CLF #13 (For 13" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement	77.32	
<i>For Class 1 Mill Galvanized, Add</i>	4.55	
<i>For Class 2 Mill Galvanized, Add</i>	6.83	
<i>For Hot-Dipped Galvanized, Add</i>	11.38	
<i>For Stainless Steel, Add</i>	45.52	
<i>For Cavity Drip, Add</i>	0.50	
04 05 19 13-0056 CLF #14 (For 14" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement	80.38	
<i>For Class 1 Mill Galvanized, Add</i>	4.71	
<i>For Class 2 Mill Galvanized, Add</i>	7.06	
<i>For Hot-Dipped Galvanized, Add</i>	11.77	
<i>For Stainless Steel, Add</i>	47.08	
<i>For Cavity Drip, Add</i>	0.50	
04 05 19 13-0057 CLF #16 (For 16" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement	86.12	
<i>For Class 1 Mill Galvanized, Add</i>	5.04	
<i>For Class 2 Mill Galvanized, Add</i>	7.56	
<i>For Hot-Dipped Galvanized, Add</i>	12.60	
<i>For Stainless Steel, Add</i>	50.40	
<i>For Cavity Drip, Add</i>	0.50	
04 05 19 13-0058 CLF #18 (For 18" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement	91.40	
<i>For Class 1 Mill Galvanized, Add</i>	5.37	
<i>For Class 2 Mill Galvanized, Add</i>	8.05	
<i>For Hot-Dipped Galvanized, Add</i>	13.42	
<i>For Stainless Steel, Add</i>	53.66	
<i>For Cavity Drip, Add</i>	0.50	
 04 05 19 13-0059 Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement <small>(04 05 19 13-0002)</small>		
 04 05 19 13-0060 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement <small>(04 05 19 13-0059)</small>		
04 05 19 13-0061 CLF #8 (For 4" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	65.32	
<i>For Class 1 Mill Galvanized, Add</i>	4.88	
<i>For Class 2 Mill Galvanized, Add</i>	7.32	
<i>For Hot-Dipped Galvanized, Add</i>	12.20	
<i>For Stainless Steel, Add</i>	48.80	
04 05 19 13-0062 CLF #10 (For 6" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	70.62	
<i>For Class 1 Mill Galvanized, Add</i>	5.03	
<i>For Class 2 Mill Galvanized, Add</i>	7.55	
<i>For Hot-Dipped Galvanized, Add</i>	12.58	
<i>For Stainless Steel, Add</i>	50.30	
04 05 19 13-0063 CLF #12 (For 8" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	75.92	
<i>For Class 1 Mill Galvanized, Add</i>	5.18	
<i>For Class 2 Mill Galvanized, Add</i>	7.77	
<i>For Hot-Dipped Galvanized, Add</i>	12.95	
<i>For Stainless Steel, Add</i>	51.80	
04 05 19 13-0064 CLF #14 (For 10" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	83.58	
<i>For Class 1 Mill Galvanized, Add</i>	5.35	
<i>For Class 2 Mill Galvanized, Add</i>	8.02	
<i>For Hot-Dipped Galvanized, Add</i>	13.37	
<i>For Stainless Steel, Add</i>	53.48	
04 05 19 13-0065 CLF #16 (For 12" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	88.50	
<i>For Class 1 Mill Galvanized, Add</i>	5.52	
<i>For Class 2 Mill Galvanized, Add</i>	8.27	
<i>For Hot-Dipped Galvanized, Add</i>	13.79	
<i>For Stainless Steel, Add</i>	55.16	
04 05 19 13-0066 CLF #18 (For 14" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	93.43	
<i>For Class 1 Mill Galvanized, Add</i>	5.77	
<i>For Class 2 Mill Galvanized, Add</i>	8.66	
<i>For Hot-Dipped Galvanized, Add</i>	14.43	
<i>For Stainless Steel, Add</i>	57.72	
 04 05 19 13-0067 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement <small>(04 05 19 13-0059)</small>		
04 05 19 13-0068 CLF #8 (For 4" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	72.75	
<i>For Class 1 Mill Galvanized, Add</i>	6.37	
<i>For Class 2 Mill Galvanized, Add</i>	9.55	
<i>For Hot-Dipped Galvanized, Add</i>	15.92	
<i>For Stainless Steel, Add</i>	63.66	

04 Masonry**04 05 Common Work Results For Masonry****04 05 19 Masonry Anchorage And Reinforcing**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 13-0069 CLF #10 (For 6" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement.....	78.05	
For Class 1 Mill Galvanized, Add	6.52	
For Class 2 Mill Galvanized, Add	9.77	
For Hot-Dipped Galvanized, Add	16.29	
For Stainless Steel, Add	65.16	
04 05 19 13-0070 CLF #12 (For 8" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement.....	83.45	
For Class 1 Mill Galvanized, Add	6.69	
For Class 2 Mill Galvanized, Add	10.03	
For Hot-Dipped Galvanized, Add	16.72	
For Stainless Steel, Add	66.86	
04 05 19 13-0071 CLF #14 (For 10" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement.....	91.02	
For Class 1 Mill Galvanized, Add	6.84	
For Class 2 Mill Galvanized, Add	10.25	
For Hot-Dipped Galvanized, Add	17.09	
For Stainless Steel, Add	68.36	
04 05 19 13-0072 CLF #16 (For 12" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement.....	95.95	
For Class 1 Mill Galvanized, Add	7.01	
For Class 2 Mill Galvanized, Add	10.51	
For Hot-Dipped Galvanized, Add	17.52	
For Stainless Steel, Add	70.06	
04 05 19 13-0073 CLF #18 (For 14" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement.....	100.45	
For Class 1 Mill Galvanized, Add	7.18	
For Class 2 Mill Galvanized, Add	10.76	
For Hot-Dipped Galvanized, Add	17.94	
For Stainless Steel, Add	71.76	
04 05 19 13-0074 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement (04 05 19 13-0059)		
04 05 19 13-0075 CLF #8 (For 4" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement.....	73.29	
For Class 1 Mill Galvanized, Add	6.47	
For Class 2 Mill Galvanized, Add	9.71	
For Hot-Dipped Galvanized, Add	16.19	
For Stainless Steel, Add	64.74	
04 05 19 13-0076 CLF #10 (For 6" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement.....	79.01	
For Class 1 Mill Galvanized, Add	6.71	
For Class 2 Mill Galvanized, Add	10.06	
For Hot-Dipped Galvanized, Add	16.77	
For Stainless Steel, Add	67.08	
04 05 19 13-0077 CLF #12 (For 8" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement.....	84.71	
For Class 1 Mill Galvanized, Add	6.94	
For Class 2 Mill Galvanized, Add	10.41	
For Hot-Dipped Galvanized, Add	17.35	
For Stainless Steel, Add	69.38	
04 05 19 13-0078 CLF #14 (For 10" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement.....	92.93	
For Class 1 Mill Galvanized, Add	7.22	
For Class 2 Mill Galvanized, Add	10.83	
For Hot-Dipped Galvanized, Add	18.05	
For Stainless Steel, Add	72.18	
04 05 19 13-0079 CLF #16 (For 12" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement.....	98.39	
For Class 1 Mill Galvanized, Add	7.49	
For Class 2 Mill Galvanized, Add	11.24	
For Hot-Dipped Galvanized, Add	18.74	
For Stainless Steel, Add	74.94	
04 05 19 13-0080 CLF #18 (For 14" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement.....	103.42	
For Class 1 Mill Galvanized, Add	7.77	
For Class 2 Mill Galvanized, Add	11.66	
For Hot-Dipped Galvanized, Add	19.43	
For Stainless Steel, Add	77.70	
04 05 19 13-0081 Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement (04 05 19 13-0002)		
04 05 19 13-0082 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement (04 05 19 13-0081)		
04 05 19 13-0083 CLF #10 (For 4" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement	71.26	
For Class 1 Mill Galvanized, Add	5.16	
For Class 2 Mill Galvanized, Add	7.74	
For Hot-Dipped Galvanized, Add	12.90	
For Stainless Steel, Add	51.58	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 13-0084 CLF #12 (For 6" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement.....	76.54	
<i>For Class 1 Mill Galvanized, Add</i>	5.30	
<i>For Class 2 Mill Galvanized, Add</i>	7.96	
<i>For Hot-Dipped Galvanized, Add</i>	13.26	
<i>For Stainless Steel, Add</i>	53.04	
04 05 19 13-0085 CLF #14 (For 8" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement.....	84.10	
<i>For Class 1 Mill Galvanized, Add</i>	5.45	
<i>For Class 2 Mill Galvanized, Add</i>	8.18	
<i>For Hot-Dipped Galvanized, Add</i>	13.63	
<i>For Stainless Steel, Add</i>	54.52	
04 05 19 13-0086 CLF #16 (For 10" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement.....	89.05	
<i>For Class 1 Mill Galvanized, Add</i>	5.63	
<i>For Class 2 Mill Galvanized, Add</i>	8.44	
<i>For Hot-Dipped Galvanized, Add</i>	14.07	
<i>For Stainless Steel, Add</i>	56.26	
04 05 19 13-0087 CLF #18 (For 12" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement.....	93.54	
<i>For Class 1 Mill Galvanized, Add</i>	5.79	
<i>For Class 2 Mill Galvanized, Add</i>	8.69	
<i>For Hot-Dipped Galvanized, Add</i>	14.49	
<i>For Stainless Steel, Add</i>	57.94	
04 05 19 13-0088 CLF #20 (For 14" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement.....	97.75	
<i>For Class 1 Mill Galvanized, Add</i>	6.13	
<i>For Class 2 Mill Galvanized, Add</i>	9.20	
<i>For Hot-Dipped Galvanized, Add</i>	15.33	
<i>For Stainless Steel, Add</i>	61.32	
04 05 19 13-0089 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement (04 05 19 13-0081)		
04 05 19 13-0090 CLF #10 (For 4" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement.....	78.69	
<i>For Class 1 Mill Galvanized, Add</i>	6.64	
<i>For Class 2 Mill Galvanized, Add</i>	9.97	
<i>For Hot-Dipped Galvanized, Add</i>	16.61	
<i>For Stainless Steel, Add</i>	66.44	
04 05 19 13-0091 CLF #12 (For 6" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement.....	83.99	
<i>For Class 1 Mill Galvanized, Add</i>	6.79	
<i>For Class 2 Mill Galvanized, Add</i>	10.19	
<i>For Hot-Dipped Galvanized, Add</i>	16.99	
<i>For Stainless Steel, Add</i>	67.94	
04 05 19 13-0092 CLF #14 (For 8" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement.....	91.65	
<i>For Class 1 Mill Galvanized, Add</i>	6.96	
<i>For Class 2 Mill Galvanized, Add</i>	10.44	
<i>For Hot-Dipped Galvanized, Add</i>	17.41	
<i>For Stainless Steel, Add</i>	69.62	
04 05 19 13-0093 CLF #16 (For 10" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement.....	96.47	
<i>For Class 1 Mill Galvanized, Add</i>	7.11	
<i>For Class 2 Mill Galvanized, Add</i>	10.67	
<i>For Hot-Dipped Galvanized, Add</i>	17.78	
<i>For Stainless Steel, Add</i>	71.10	
04 05 19 13-0094 CLF #18 (For 12" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement.....	100.97	
<i>For Class 1 Mill Galvanized, Add</i>	7.28	
<i>For Class 2 Mill Galvanized, Add</i>	10.92	
<i>For Hot-Dipped Galvanized, Add</i>	18.20	
<i>For Stainless Steel, Add</i>	72.80	
04 05 19 13-0095 CLF #20 (For 14" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement.....	105.28	
<i>For Class 1 Mill Galvanized, Add</i>	7.64	
<i>For Class 2 Mill Galvanized, Add</i>	11.46	
<i>For Hot-Dipped Galvanized, Add</i>	19.10	
<i>For Stainless Steel, Add</i>	76.38	
04 05 19 13-0096 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement (04 05 19 13-0081)		
04 05 19 13-0097 CLF #10 (For 4" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement.....	79.22	
<i>For Class 1 Mill Galvanized, Add</i>	6.75	
<i>For Class 2 Mill Galvanized, Add</i>	10.13	
<i>For Hot-Dipped Galvanized, Add</i>	16.88	
<i>For Stainless Steel, Add</i>	67.50	

04 Masonry**04 05 Common Work Results For Masonry****04 05 19 Masonry Anchorage And Reinforcing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 13-0098	CLF	#12	(For 6" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement.....	84.93	
			<i>For Class 1 Mill Galvanized, Add</i>	6.98	
			<i>For Class 2 Mill Galvanized, Add</i>	10.47	
			<i>For Hot-Dipped Galvanized, Add</i>	17.46	
			<i>For Stainless Steel, Add</i>	69.82	
04 05 19 13-0099	CLF	#14	(For 8" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement.....	92.93	
			<i>For Class 1 Mill Galvanized, Add</i>	7.22	
			<i>For Class 2 Mill Galvanized, Add</i>	10.83	
			<i>For Hot-Dipped Galvanized, Add</i>	18.05	
			<i>For Stainless Steel, Add</i>	72.18	
04 05 19 13-0100	CLF	#16	(For 10" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement.....	98.39	
			<i>For Class 1 Mill Galvanized, Add</i>	7.49	
			<i>For Class 2 Mill Galvanized, Add</i>	11.24	
			<i>For Hot-Dipped Galvanized, Add</i>	18.74	
			<i>For Stainless Steel, Add</i>	74.94	
04 05 19 13-0101	CLF	#18	(For 12" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement.....	103.42	
			<i>For Class 1 Mill Galvanized, Add</i>	7.77	
			<i>For Class 2 Mill Galvanized, Add</i>	11.66	
			<i>For Hot-Dipped Galvanized, Add</i>	19.43	
			<i>For Stainless Steel, Add</i>	77.70	
04 05 19 13-0102	CLF	#20	(For 14" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement.....	107.91	
			<i>For Class 1 Mill Galvanized, Add</i>	8.16	
			<i>For Class 2 Mill Galvanized, Add</i>	12.25	
			<i>For Hot-Dipped Galvanized, Add</i>	20.41	
			<i>For Stainless Steel, Add</i>	81.64	
04 05 19 13-0103			Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement <small>(04 05 19 13-0002)</small>		
04 05 19 13-0104			9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement <small>(04 05 19 13-0103)</small>		
04 05 19 13-0105	CLF	#8	(For 4" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	68.81	
			<i>For Class 1 Mill Galvanized, Add</i>	4.67	
			<i>For Class 2 Mill Galvanized, Add</i>	7.00	
			<i>For Hot-Dipped Galvanized, Add</i>	11.67	
			<i>For Stainless Steel, Add</i>	46.68	
			<i>For Seismic Hook And Eye, Add</i>	27.50	
04 05 19 13-0106	CLF	#10	(For 6" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	73.97	
			<i>For Class 1 Mill Galvanized, Add</i>	4.79	
			<i>For Class 2 Mill Galvanized, Add</i>	7.19	
			<i>For Hot-Dipped Galvanized, Add</i>	11.98	
			<i>For Stainless Steel, Add</i>	47.90	
			<i>For Seismic Hook And Eye, Add</i>	27.50	
04 05 19 13-0107	CLF	#12	(For 8" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	81.44	
			<i>For Class 1 Mill Galvanized, Add</i>	4.92	
			<i>For Class 2 Mill Galvanized, Add</i>	7.38	
			<i>For Hot-Dipped Galvanized, Add</i>	12.30	
			<i>For Stainless Steel, Add</i>	49.20	
			<i>For Seismic Hook And Eye, Add</i>	27.50	
04 05 19 13-0108	CLF	#14	(For 10" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	86.21	
			<i>For Class 1 Mill Galvanized, Add</i>	5.06	
			<i>For Class 2 Mill Galvanized, Add</i>	7.59	
			<i>For Hot-Dipped Galvanized, Add</i>	12.65	
			<i>For Stainless Steel, Add</i>	50.58	
			<i>For Seismic Hook And Eye, Add</i>	27.50	
04 05 19 13-0109	CLF	#16	(For 12" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	90.59	
			<i>For Class 1 Mill Galvanized, Add</i>	5.20	
			<i>For Class 2 Mill Galvanized, Add</i>	7.81	
			<i>For Hot-Dipped Galvanized, Add</i>	13.01	
			<i>For Stainless Steel, Add</i>	52.04	
			<i>For Seismic Hook And Eye, Add</i>	27.50	
04 05 19 13-0110	CLF	#18	(For 14" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	93.76	
			<i>For Class 1 Mill Galvanized, Add</i>	5.33	
			<i>For Class 2 Mill Galvanized, Add</i>	8.00	
			<i>For Hot-Dipped Galvanized, Add</i>	13.34	
			<i>For Stainless Steel, Add</i>	53.34	
			<i>For Seismic Hook And Eye, Add</i>	27.50	
04 05 19 13-0111			3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement <small>(04 05 19 13-0103)</small>		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 13-0112 CLF #8 (For 4" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	75.78	
<i>For Class 1 Mill Galvanized, Add</i>	6.06	
<i>For Class 2 Mill Galvanized, Add</i>	9.09	
<i>For Hot-Dipped Galvanized, Add</i>	15.16	
<i>For Stainless Steel, Add</i>	60.62	
<i>For Seismic Hook And Eye, Add</i>	27.50	
04 05 19 13-0113 CLF #10 (For 6" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	80.81	
<i>For Class 1 Mill Galvanized, Add</i>	6.16	
<i>For Class 2 Mill Galvanized, Add</i>	9.24	
<i>For Hot-Dipped Galvanized, Add</i>	15.40	
<i>For Stainless Steel, Add</i>	61.58	
<i>For Seismic Hook And Eye, Add</i>	27.50	
04 05 19 13-0114 CLF #12 (For 8" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	88.30	
<i>For Class 1 Mill Galvanized, Add</i>	6.29	
<i>For Class 2 Mill Galvanized, Add</i>	9.44	
<i>For Hot-Dipped Galvanized, Add</i>	15.73	
<i>For Stainless Steel, Add</i>	62.92	
<i>For Seismic Hook And Eye, Add</i>	27.50	
04 05 19 13-0115 CLF #14 (For 10" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	93.03	
<i>For Class 1 Mill Galvanized, Add</i>	6.42	
<i>For Class 2 Mill Galvanized, Add</i>	9.63	
<i>For Hot-Dipped Galvanized, Add</i>	16.06	
<i>For Stainless Steel, Add</i>	64.22	
<i>For Seismic Hook And Eye, Add</i>	27.50	
04 05 19 13-0116 CLF #16 (For 12" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	97.33	
<i>For Class 1 Mill Galvanized, Add</i>	6.55	
<i>For Class 2 Mill Galvanized, Add</i>	9.83	
<i>For Hot-Dipped Galvanized, Add</i>	16.38	
<i>For Stainless Steel, Add</i>	65.52	
<i>For Seismic Hook And Eye, Add</i>	27.50	
04 05 19 13-0117 CLF #18 (For 14" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	101.26	
<i>For Class 1 Mill Galvanized, Add</i>	6.83	
<i>For Class 2 Mill Galvanized, Add</i>	10.25	
<i>For Hot-Dipped Galvanized, Add</i>	17.09	
<i>For Stainless Steel, Add</i>	68.34	
<i>For Seismic Hook And Eye, Add</i>	27.50	
04 05 19 13-0118 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement (04 05 19 13-0103)		
04 05 19 13-0119 CLF #8 (For 4" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement	76.30	
<i>For Class 1 Mill Galvanized, Add</i>	6.17	
<i>For Class 2 Mill Galvanized, Add</i>	9.25	
<i>For Hot-Dipped Galvanized, Add</i>	15.42	
<i>For Stainless Steel, Add</i>	61.66	
<i>For Seismic Hook And Eye, Add</i>	27.50	
04 05 19 13-0120 CLF #10 (For 6" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	81.96	
<i>For Class 1 Mill Galvanized, Add</i>	6.39	
<i>For Class 2 Mill Galvanized, Add</i>	9.58	
<i>For Hot-Dipped Galvanized, Add</i>	15.97	
<i>For Stainless Steel, Add</i>	63.88	
<i>For Seismic Hook And Eye, Add</i>	27.50	
04 05 19 13-0121 CLF #12 (For 8" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	89.88	
<i>For Class 1 Mill Galvanized, Add</i>	6.61	
<i>For Class 2 Mill Galvanized, Add</i>	9.91	
<i>For Hot-Dipped Galvanized, Add</i>	16.52	
<i>For Stainless Steel, Add</i>	66.08	
<i>For Seismic Hook And Eye, Add</i>	27.50	
04 05 19 13-0122 CLF #14 (For 10" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	95.29	
<i>For Class 1 Mill Galvanized, Add</i>	6.87	
<i>For Class 2 Mill Galvanized, Add</i>	10.31	
<i>For Hot-Dipped Galvanized, Add</i>	17.19	
<i>For Stainless Steel, Add</i>	68.74	
<i>For Seismic Hook And Eye, Add</i>	27.50	
04 05 19 13-0123 CLF #16 (For 12" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	100.26	
<i>For Class 1 Mill Galvanized, Add</i>	7.14	
<i>For Class 2 Mill Galvanized, Add</i>	10.71	
<i>For Hot-Dipped Galvanized, Add</i>	17.85	
<i>For Stainless Steel, Add</i>	71.38	
<i>For Seismic Hook And Eye, Add</i>	27.50	

04 Masonry**04 05 Common Work Results For Masonry****04 05 19 Masonry Anchorage And Reinforcing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 13-0124	CLF		#18 (For 14" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	104.09	
			<i>For Class 1 Mill Galvanized, Add</i>	7.40	
			<i>For Class 2 Mill Galvanized, Add</i>	11.10	
			<i>For Hot-Dipped Galvanized, Add</i>	18.50	
			<i>For Stainless Steel, Add</i>	74.00	
			<i>For Seismic Hook And Eye, Add</i>	27.50	
04 05 19 13-0125			Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement <small>(04 05 19 13-0002)</small>		
04 05 19 13-0126			9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement <small>(04 05 19 13-0125)</small>		
04 05 19 13-0127	CLF		#10 (For 4" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement	74.75	
			<i>For Class 1 Mill Galvanized, Add</i>	4.95	
			<i>For Class 2 Mill Galvanized, Add</i>	7.42	
			<i>For Hot-Dipped Galvanized, Add</i>	12.37	
			<i>For Stainless Steel, Add</i>	49.46	
			<i>For Seismic Hook And Eye, Add</i>	27.50	
04 05 19 13-0128	CLF		#12 (For 6" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement	82.17	
			<i>For Class 1 Mill Galvanized, Add</i>	5.07	
			<i>For Class 2 Mill Galvanized, Add</i>	7.60	
			<i>For Hot-Dipped Galvanized, Add</i>	12.67	
			<i>For Stainless Steel, Add</i>	50.66	
			<i>For Seismic Hook And Eye, Add</i>	27.50	
04 05 19 13-0129	CLF		#14 (For 8" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement	86.84	
			<i>For Class 1 Mill Galvanized, Add</i>	5.18	
			<i>For Class 2 Mill Galvanized, Add</i>	7.78	
			<i>For Hot-Dipped Galvanized, Add</i>	12.96	
			<i>For Stainless Steel, Add</i>	51.84	
			<i>For Seismic Hook And Eye, Add</i>	27.50	
04 05 19 13-0130	CLF		#16 (For 10" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement	91.26	
			<i>For Class 1 Mill Galvanized, Add</i>	5.34	
			<i>For Class 2 Mill Galvanized, Add</i>	8.01	
			<i>For Hot-Dipped Galvanized, Add</i>	13.35	
			<i>For Stainless Steel, Add</i>	53.38	
			<i>For Seismic Hook And Eye, Add</i>	27.50	
04 05 19 13-0131	CLF		#18 (For 12" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement	94.47	
			<i>For Class 1 Mill Galvanized, Add</i>	5.48	
			<i>For Class 2 Mill Galvanized, Add</i>	8.21	
			<i>For Hot-Dipped Galvanized, Add</i>	13.69	
			<i>For Stainless Steel, Add</i>	54.76	
			<i>For Seismic Hook And Eye, Add</i>	27.50	
04 05 19 13-0132			3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement <small>(04 05 19 13-0125)</small>		
04 05 19 13-0133	CLF		#10 (For 4" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement.....	81.47	
			<i>For Class 1 Mill Galvanized, Add</i>	6.29	
			<i>For Class 2 Mill Galvanized, Add</i>	9.44	
			<i>For Hot-Dipped Galvanized, Add</i>	15.73	
			<i>For Stainless Steel, Add</i>	62.90	
			<i>For Seismic Hook And Eye, Add</i>	27.50	
04 05 19 13-0134	CLF		#12 (For 6" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement.....	88.94	
			<i>For Class 1 Mill Galvanized, Add</i>	6.42	
			<i>For Class 2 Mill Galvanized, Add</i>	9.63	
			<i>For Hot-Dipped Galvanized, Add</i>	16.05	
			<i>For Stainless Steel, Add</i>	64.20	
			<i>For Seismic Hook And Eye, Add</i>	27.50	
04 05 19 13-0135	CLF		#14 (For 8" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement.....	93.71	
			<i>For Class 1 Mill Galvanized, Add</i>	6.56	
			<i>For Class 2 Mill Galvanized, Add</i>	9.84	
			<i>For Hot-Dipped Galvanized, Add</i>	16.40	
			<i>For Stainless Steel, Add</i>	65.58	
			<i>For Seismic Hook And Eye, Add</i>	27.50	
04 05 19 13-0136	CLF		#16 (For 10" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement	97.92	
			<i>For Class 1 Mill Galvanized, Add</i>	6.67	
			<i>For Class 2 Mill Galvanized, Add</i>	10.01	
			<i>For Hot-Dipped Galvanized, Add</i>	16.68	
			<i>For Stainless Steel, Add</i>	66.70	
			<i>For Seismic Hook And Eye, Add</i>	27.50	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 13-0137 CLF #18 (For 12" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement.....	101.19	
<i>For Class 1 Mill Galvanized, Add</i>	6.82	
<i>For Class 2 Mill Galvanized, Add</i>	10.23	
<i>For Hot-Dipped Galvanized, Add</i>	17.05	
<i>For Stainless Steel, Add</i>	68.20	
<i>For Seismic Hook And Eye, Add</i>	27.50	
04 05 19 13-0138 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement <small>(04 05 19 13-0125)</small>		
04 05 19 13-0139 CLF #10 (For 4" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement.....	82.16	
<i>For Class 1 Mill Galvanized, Add</i>	6.43	
<i>For Class 2 Mill Galvanized, Add</i>	9.64	
<i>For Hot-Dipped Galvanized, Add</i>	16.07	
<i>For Stainless Steel, Add</i>	64.28	
<i>For Seismic Hook And Eye, Add</i>	27.50	
04 05 19 13-0140 CLF #12 (For 6" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement.....	90.09	
<i>For Class 1 Mill Galvanized, Add</i>	6.65	
<i>For Class 2 Mill Galvanized, Add</i>	9.98	
<i>For Hot-Dipped Galvanized, Add</i>	16.63	
<i>For Stainless Steel, Add</i>	66.50	
<i>For Seismic Hook And Eye, Add</i>	27.50	
04 05 19 13-0141 CLF #14 (For 8" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement.....	95.29	
<i>For Class 1 Mill Galvanized, Add</i>	6.87	
<i>For Class 2 Mill Galvanized, Add</i>	10.31	
<i>For Hot-Dipped Galvanized, Add</i>	17.19	
<i>For Stainless Steel, Add</i>	68.74	
<i>For Seismic Hook And Eye, Add</i>	27.50	
04 05 19 13-0142 CLF #16 (For 10" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement.....	100.26	
<i>For Class 1 Mill Galvanized, Add</i>	7.14	
<i>For Class 2 Mill Galvanized, Add</i>	10.71	
<i>For Hot-Dipped Galvanized, Add</i>	17.85	
<i>For Stainless Steel, Add</i>	71.38	
<i>For Seismic Hook And Eye, Add</i>	27.50	
04 05 19 13-0143 CLF #18 (For 12" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement.....	104.09	
<i>For Class 1 Mill Galvanized, Add</i>	7.40	
<i>For Class 2 Mill Galvanized, Add</i>	11.10	
<i>For Hot-Dipped Galvanized, Add</i>	18.50	
<i>For Stainless Steel, Add</i>	74.00	
<i>For Seismic Hook And Eye, Add</i>	27.50	
04 05 19 13-0144 Truss-Type, Masonry Wall Reinforcement <small>(04 05 19 13-0001)</small>		
04 05 19 13-0145 Truss-Type, Masonry Wall Reinforcement <small>(04 05 19 13-0144)</small>		
04 05 19 13-0146 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement <small>(04 05 19 13-0145)</small>		
04 05 19 13-0147 CLF #4 (For 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement.....	41.25	
<i>For Class 1 Mill Galvanized, Add</i>	1.94	
<i>For Class 2 Mill Galvanized, Add</i>	2.92	
<i>For Hot-Dipped Galvanized, Add</i>	4.86	
<i>For Stainless Steel, Add</i>	19.44	
<i>For Cavity Drip, Add</i>	0.50	
<i>For 3-Wire, Add</i>	8.75	
<i>For Double Side Rods, Add</i>	17.50	
04 05 19 13-0148 CLF #6 (For 6" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement.....	43.51	
<i>For Class 1 Mill Galvanized, Add</i>	1.97	
<i>For Class 2 Mill Galvanized, Add</i>	2.95	
<i>For Hot-Dipped Galvanized, Add</i>	4.92	
<i>For Stainless Steel, Add</i>	19.66	
<i>For Cavity Drip, Add</i>	0.50	
<i>For 3-Wire, Add</i>	8.75	
<i>For Double Side Rods, Add</i>	17.50	
04 05 19 13-0149 CLF #8 (For 8" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement.....	46.97	
<i>For Class 1 Mill Galvanized, Add</i>	2.04	
<i>For Class 2 Mill Galvanized, Add</i>	3.07	
<i>For Hot-Dipped Galvanized, Add</i>	5.11	
<i>For Stainless Steel, Add</i>	20.44	
<i>For Cavity Drip, Add</i>	0.50	
<i>For 3-Wire, Add</i>	8.75	
<i>For Double Side Rods, Add</i>	17.50	

04 Masonry**04 05 Common Work Results For Masonry****04 05 19 Masonry Anchorage And Reinforcing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 13-0150	CLF	#10	(For 10" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	51.13	
			<i>For Class 1 Mill Galvanized, Add</i>	2.14	
			<i>For Class 2 Mill Galvanized, Add</i>	3.22	
			<i>For Hot-Dipped Galvanized, Add</i>	5.36	
			<i>For Stainless Steel, Add</i>	21.44	
			<i>For Cavity Drip, Add</i>	0.50	
			<i>For 3-Wire, Add</i>	8.75	
			<i>For Double Side Rods, Add</i>	17.50	
04 05 19 13-0151	CLF	#12	(For 12" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	56.20	
			<i>For Class 1 Mill Galvanized, Add</i>	2.26	
			<i>For Class 2 Mill Galvanized, Add</i>	3.39	
			<i>For Hot-Dipped Galvanized, Add</i>	5.65	
			<i>For Stainless Steel, Add</i>	22.58	
			<i>For Cavity Drip, Add</i>	0.50	
			<i>For 3-Wire, Add</i>	8.75	
			<i>For Double Side Rods, Add</i>	17.50	
04 05 19 13-0152	CLF	#13	(For 13" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	60.08	
			<i>For Class 1 Mill Galvanized, Add</i>	2.32	
			<i>For Class 2 Mill Galvanized, Add</i>	3.48	
			<i>For Hot-Dipped Galvanized, Add</i>	5.80	
			<i>For Stainless Steel, Add</i>	23.18	
			<i>For Cavity Drip, Add</i>	0.50	
			<i>For 3-Wire, Add</i>	8.75	
			<i>For Double Side Rods, Add</i>	17.50	
04 05 19 13-0153	CLF	#14	(For 14" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	62.55	
			<i>For Class 1 Mill Galvanized, Add</i>	2.41	
			<i>For Class 2 Mill Galvanized, Add</i>	3.61	
			<i>For Hot-Dipped Galvanized, Add</i>	6.02	
			<i>For Stainless Steel, Add</i>	24.06	
			<i>For Cavity Drip, Add</i>	0.50	
			<i>For 3-Wire, Add</i>	8.75	
			<i>For Double Side Rods, Add</i>	17.50	
04 05 19 13-0154	CLF	#16	(For 16" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	71.05	
			<i>For Class 1 Mill Galvanized, Add</i>	3.38	
			<i>For Class 2 Mill Galvanized, Add</i>	5.07	
			<i>For Hot-Dipped Galvanized, Add</i>	8.45	
			<i>For Stainless Steel, Add</i>	33.80	
			<i>For Cavity Drip, Add</i>	0.50	
			<i>For 3-Wire, Add</i>	8.75	
			<i>For Double Side Rods, Add</i>	17.50	
04 05 19 13-0155	CLF	#18	(For 18" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	75.25	
			<i>For Class 1 Mill Galvanized, Add</i>	3.57	
			<i>For Class 2 Mill Galvanized, Add</i>	5.36	
			<i>For Hot-Dipped Galvanized, Add</i>	8.94	
			<i>For Stainless Steel, Add</i>	35.74	
			<i>For Cavity Drip, Add</i>	0.50	
			<i>For 3-Wire, Add</i>	8.75	
			<i>For Double Side Rods, Add</i>	17.50	
04 05 19 13-0156	CLF	#20	(For 20" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	92.35	
			<i>For Class 1 Mill Galvanized, Add</i>	6.18	
			<i>For Class 2 Mill Galvanized, Add</i>	9.27	
			<i>For Hot-Dipped Galvanized, Add</i>	15.46	
			<i>For Stainless Steel, Add</i>	61.82	
			<i>For Cavity Drip, Add</i>	0.50	
			<i>For 3-Wire, Add</i>	8.75	
			<i>For Double Side Rods, Add</i>	17.50	
04 05 19 13-0157			3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement <small>(04 05 19 13-0145)</small>		
04 05 19 13-0158	CLF	#4	(For 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	45.01	
			<i>For Class 1 Mill Galvanized, Add</i>	2.70	
			<i>For Class 2 Mill Galvanized, Add</i>	4.04	
			<i>For Hot-Dipped Galvanized, Add</i>	6.74	
			<i>For Stainless Steel, Add</i>	26.96	
			<i>For Cavity Drip, Add</i>	0.50	
			<i>For 3-Wire, Add</i>	8.75	
			<i>For Double Side Rods, Add</i>	17.50	
04 05 19 13-0159	CLF	#6	(For 6" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	47.35	
			<i>For Class 1 Mill Galvanized, Add</i>	2.73	
			<i>For Class 2 Mill Galvanized, Add</i>	4.10	
			<i>For Hot-Dipped Galvanized, Add</i>	6.84	
			<i>For Stainless Steel, Add</i>	27.34	
			<i>For Cavity Drip, Add</i>	0.50	
			<i>For 3-Wire, Add</i>	8.75	
			<i>For Double Side Rods, Add</i>	17.50	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 13-0160 CLF #8 (For 8" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	50.81	
<i>For Class 1 Mill Galvanized, Add</i>	2.81	
<i>For Class 2 Mill Galvanized, Add</i>	4.22	
<i>For Hot-Dipped Galvanized, Add</i>	7.03	
<i>For Stainless Steel, Add</i>	28.12	
<i>For Cavity Drip, Add</i>	0.50	
<i>For 3-Wire, Add</i>	8.75	
<i>For Double Side Rods, Add</i>	17.50	
04 05 19 13-0161 CLF #10 (For 10" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	54.96	
<i>For Class 1 Mill Galvanized, Add</i>	2.91	
<i>For Class 2 Mill Galvanized, Add</i>	4.37	
<i>For Hot-Dipped Galvanized, Add</i>	7.28	
<i>For Stainless Steel, Add</i>	29.10	
<i>For Cavity Drip, Add</i>	0.50	
<i>For 3-Wire, Add</i>	8.75	
<i>For Double Side Rods, Add</i>	17.50	
04 05 19 13-0162 CLF #12 (For 12" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	59.98	
<i>For Class 1 Mill Galvanized, Add</i>	3.01	
<i>For Class 2 Mill Galvanized, Add</i>	4.52	
<i>For Hot-Dipped Galvanized, Add</i>	7.54	
<i>For Stainless Steel, Add</i>	30.14	
<i>For Cavity Drip, Add</i>	0.50	
<i>For 3-Wire, Add</i>	8.75	
<i>For Double Side Rods, Add</i>	17.50	
04 05 19 13-0163 CLF #13 (For 13" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	63.90	
<i>For Class 1 Mill Galvanized, Add</i>	3.08	
<i>For Class 2 Mill Galvanized, Add</i>	4.63	
<i>For Hot-Dipped Galvanized, Add</i>	7.71	
<i>For Stainless Steel, Add</i>	30.84	
<i>For Cavity Drip, Add</i>	0.50	
<i>For 3-Wire, Add</i>	8.75	
<i>For Double Side Rods, Add</i>	17.50	
04 05 19 13-0164 CLF #14 (For 14" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	66.32	
<i>For Class 1 Mill Galvanized, Add</i>	3.16	
<i>For Class 2 Mill Galvanized, Add</i>	4.74	
<i>For Hot-Dipped Galvanized, Add</i>	7.90	
<i>For Stainless Steel, Add</i>	31.60	
<i>For Cavity Drip, Add</i>	0.50	
<i>For 3-Wire, Add</i>	8.75	
<i>For Double Side Rods, Add</i>	17.50	
04 05 19 13-0165 CLF #16 (For 16" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	76.12	
<i>For Class 1 Mill Galvanized, Add</i>	4.39	
<i>For Class 2 Mill Galvanized, Add</i>	6.59	
<i>For Hot-Dipped Galvanized, Add</i>	10.99	
<i>For Stainless Steel, Add</i>	43.94	
<i>For Cavity Drip, Add</i>	0.50	
<i>For 3-Wire, Add</i>	8.75	
<i>For Double Side Rods, Add</i>	17.50	
04 05 19 13-0166 CLF #18 (For 18" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	80.31	
<i>For Class 1 Mill Galvanized, Add</i>	4.59	
<i>For Class 2 Mill Galvanized, Add</i>	6.88	
<i>For Hot-Dipped Galvanized, Add</i>	11.47	
<i>For Stainless Steel, Add</i>	45.86	
<i>For Cavity Drip, Add</i>	0.50	
<i>For 3-Wire, Add</i>	8.75	
<i>For Double Side Rods, Add</i>	17.50	
04 05 19 13-0167 CLF #20 (For 20" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	100.70	
<i>For Class 1 Mill Galvanized, Add</i>	8.66	
<i>For Class 2 Mill Galvanized, Add</i>	13.00	
<i>For Hot-Dipped Galvanized, Add</i>	21.66	
<i>For Stainless Steel, Add</i>	86.64	
<i>For Cavity Drip, Add</i>	0.50	
<i>For 3-Wire, Add</i>	8.75	
<i>For Double Side Rods, Add</i>	17.50	
04 05 19 13-0168 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement		
<small>(04 05 19 13-0145)</small>		
04 05 19 13-0169 CLF #4 (For 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement	50.77	
<i>For Class 1 Mill Galvanized, Add</i>	3.85	
<i>For Class 2 Mill Galvanized, Add</i>	5.77	
<i>For Hot-Dipped Galvanized, Add</i>	9.62	
<i>For Stainless Steel, Add</i>	38.48	
<i>For Cavity Drip, Add</i>	0.50	
<i>For 3-Wire, Add</i>	8.75	
<i>For Double Side Rods, Add</i>	17.50	

04 Masonry**04 05 Common Work Results For Masonry****04 05 19 Masonry Anchorage And Reinforcing**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 13-0170 CLF #6 (For 6" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement	53.43	
For Class 1 Mill Galvanized, Add	3.90	
For Class 2 Mill Galvanized, Add	5.84	
For Hot-Dipped Galvanized, Add	9.74	
For Stainless Steel, Add	38.96	
For Cavity Drip, Add	0.50	
For 3-Wire, Add	8.75	
For Double Side Rods, Add	17.50	
04 05 19 13-0171 CLF #8 (For 8" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement	56.57	
For Class 1 Mill Galvanized, Add	4.04	
For Class 2 Mill Galvanized, Add	6.06	
For Hot-Dipped Galvanized, Add	10.10	
For Stainless Steel, Add	40.38	
For Cavity Drip, Add	0.50	
For 3-Wire, Add	8.75	
For Double Side Rods, Add	17.50	
04 05 19 13-0172 CLF #10 (For 10" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement	61.58	
For Class 1 Mill Galvanized, Add	4.23	
For Class 2 Mill Galvanized, Add	6.35	
For Hot-Dipped Galvanized, Add	10.59	
For Stainless Steel, Add	42.34	
For Cavity Drip, Add	0.50	
For 3-Wire, Add	8.75	
For Double Side Rods, Add	17.50	
04 05 19 13-0173 CLF #12 (For 12" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement	66.85	
For Class 1 Mill Galvanized, Add	4.48	
For Class 2 Mill Galvanized, Add	6.72	
For Hot-Dipped Galvanized, Add	11.20	
For Stainless Steel, Add	44.78	
For Cavity Drip, Add	0.50	
For 3-Wire, Add	8.75	
For Double Side Rods, Add	17.50	
04 05 19 13-0174 CLF #13 (For 13" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement	71.44	
For Class 1 Mill Galvanized, Add	4.59	
For Class 2 Mill Galvanized, Add	6.88	
For Hot-Dipped Galvanized, Add	11.47	
For Stainless Steel, Add	45.88	
For Cavity Drip, Add	0.50	
For 3-Wire, Add	8.75	
For Double Side Rods, Add	17.50	
04 05 19 13-0175 CLF #14 (For 14" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement	74.29	
For Class 1 Mill Galvanized, Add	4.75	
For Class 2 Mill Galvanized, Add	7.13	
For Hot-Dipped Galvanized, Add	11.89	
For Stainless Steel, Add	47.54	
For Cavity Drip, Add	0.50	
For 3-Wire, Add	8.75	
For Double Side Rods, Add	17.50	
04 05 19 13-0176 CLF #16 (For 16" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement	87.53	
For Class 1 Mill Galvanized, Add	6.67	
For Class 2 Mill Galvanized, Add	10.01	
For Hot-Dipped Galvanized, Add	16.69	
For Stainless Steel, Add	66.74	
For Cavity Drip, Add	0.50	
For 3-Wire, Add	8.75	
For Double Side Rods, Add	17.50	
04 05 19 13-0177 CLF #18 (For 18" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement	92.65	
For Class 1 Mill Galvanized, Add	7.05	
For Class 2 Mill Galvanized, Add	10.58	
For Hot-Dipped Galvanized, Add	17.63	
For Stainless Steel, Add	70.52	
For Cavity Drip, Add	0.50	
For 3-Wire, Add	8.75	
For Double Side Rods, Add	17.50	
04 05 19 13-0178 CLF #20 (For 20" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement	122.40	
For Class 1 Mill Galvanized, Add	12.19	
For Class 2 Mill Galvanized, Add	18.29	
For Hot-Dipped Galvanized, Add	30.48	
For Stainless Steel, Add	121.92	
For Cavity Drip, Add	0.50	
For 3-Wire, Add	8.75	
For Double Side Rods, Add	17.50	

04 05 19 13-0179 Truss-Type With Tabs, Masonry Wall Reinforcement (04 05 19 13-0144)

04 05 19 13-0180 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Tabs, Masonry
Wall Reinforcement (04 05 19 13-0179)



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 13-0181 CLF #8 (For 8" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Tabs, Masonry		
Wall Reinforcement	56.16	
<i>For Class 1 Mill Galvanized, Add</i>	3.05	
<i>For Class 2 Mill Galvanized, Add</i>	4.57	
<i>For Hot-Dipped Galvanized, Add</i>	7.62	
<i>For Stainless Steel, Add</i>	30.48	
<i>For Cavity Drip, Add</i>	0.50	
04 05 19 13-0182 CLF #10 (For 10" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Tabs, Masonry		
Wall Reinforcement	61.44	
<i>For Class 1 Mill Galvanized, Add</i>	3.19	
<i>For Class 2 Mill Galvanized, Add</i>	4.79	
<i>For Hot-Dipped Galvanized, Add</i>	7.99	
<i>For Stainless Steel, Add</i>	31.94	
<i>For Cavity Drip, Add</i>	0.50	
04 05 19 13-0183 CLF #12 (For 12" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Tabs, Masonry		
Wall Reinforcement	66.92	
<i>For Class 1 Mill Galvanized, Add</i>	3.38	
<i>For Class 2 Mill Galvanized, Add</i>	5.07	
<i>For Hot-Dipped Galvanized, Add</i>	8.45	
<i>For Stainless Steel, Add</i>	33.80	
<i>For Cavity Drip, Add</i>	0.50	
04 05 19 13-0184 CLF #13 (For 13" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Tabs, Masonry		
Wall Reinforcement	72.11	
<i>For Class 1 Mill Galvanized, Add</i>	3.51	
<i>For Class 2 Mill Galvanized, Add</i>	5.27	
<i>For Hot-Dipped Galvanized, Add</i>	8.78	
<i>For Stainless Steel, Add</i>	35.10	
<i>For Cavity Drip, Add</i>	0.50	
04 05 19 13-0185 CLF #14 (For 14" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Tabs, Masonry		
Wall Reinforcement	74.92	
<i>For Class 1 Mill Galvanized, Add</i>	3.62	
<i>For Class 2 Mill Galvanized, Add</i>	5.42	
<i>For Hot-Dipped Galvanized, Add</i>	9.04	
<i>For Stainless Steel, Add</i>	36.16	
<i>For Cavity Drip, Add</i>	0.50	
04 05 19 13-0186 CLF #16 (For 16" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Tabs, Masonry		
Wall Reinforcement	80.29	
<i>For Class 1 Mill Galvanized, Add</i>	3.87	
<i>For Class 2 Mill Galvanized, Add</i>	5.81	
<i>For Hot-Dipped Galvanized, Add</i>	9.69	
<i>For Stainless Steel, Add</i>	38.74	
<i>For Cavity Drip, Add</i>	0.50	
04 05 19 13-0187 CLF #18 (For 18" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Tabs, Masonry		
Wall Reinforcement	85.23	
<i>For Class 1 Mill Galvanized, Add</i>	4.13	
<i>For Class 2 Mill Galvanized, Add</i>	6.20	
<i>For Hot-Dipped Galvanized, Add</i>	10.33	
<i>For Stainless Steel, Add</i>	41.32	
<i>For Cavity Drip, Add</i>	0.50	
04 05 19 13-0188 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Tabs, Masonry		
Wall Reinforcement <small>(04 05 19 13-0179)</small>		
04 05 19 13-0189 CLF #8 (For 8" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Tabs, Masonry Wall		
Reinforcement	60.90	
<i>For Class 1 Mill Galvanized, Add</i>	4.00	
<i>For Class 2 Mill Galvanized, Add</i>	5.99	
<i>For Hot-Dipped Galvanized, Add</i>	9.99	
<i>For Stainless Steel, Add</i>	39.96	
<i>For Cavity Drip, Add</i>	0.50	
04 05 19 13-0190 CLF #10 (For 10" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Tabs, Masonry		
Wall Reinforcement	66.20	
<i>For Class 1 Mill Galvanized, Add</i>	4.15	
<i>For Class 2 Mill Galvanized, Add</i>	6.22	
<i>For Hot-Dipped Galvanized, Add</i>	10.37	
<i>For Stainless Steel, Add</i>	41.46	
<i>For Cavity Drip, Add</i>	0.50	
04 05 19 13-0191 CLF #12 (For 12" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Tabs, Masonry		
Wall Reinforcement	71.66	
<i>For Class 1 Mill Galvanized, Add</i>	4.33	
<i>For Class 2 Mill Galvanized, Add</i>	6.49	
<i>For Hot-Dipped Galvanized, Add</i>	10.82	
<i>For Stainless Steel, Add</i>	43.28	
<i>For Cavity Drip, Add</i>	0.50	
04 05 19 13-0192 CLF #13 (For 13" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Tabs, Masonry		
Wall Reinforcement	76.85	
<i>For Class 1 Mill Galvanized, Add</i>	4.46	
<i>For Class 2 Mill Galvanized, Add</i>	6.69	
<i>For Hot-Dipped Galvanized, Add</i>	11.15	
<i>For Stainless Steel, Add</i>	44.58	
<i>For Cavity Drip, Add</i>	0.50	

04 Masonry**04 05 Common Work Results For Masonry****04 05 19 Masonry Anchorage And Reinforcing**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 13-0193 CLF #14 (For 14" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement	79.64	
For Class 1 Mill Galvanized, Add	4.56	
For Class 2 Mill Galvanized, Add	6.84	
For Hot-Dipped Galvanized, Add	11.40	
For Stainless Steel, Add	45.60	
For Cavity Drip, Add	0.50	
04 05 19 13-0194 CLF #16 (For 16" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement	85.02	
For Class 1 Mill Galvanized, Add	4.82	
For Class 2 Mill Galvanized, Add	7.23	
For Hot-Dipped Galvanized, Add	12.05	
For Stainless Steel, Add	48.20	
For Cavity Drip, Add	0.50	
04 05 19 13-0195 CLF #18 (For 18" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement	89.98	
For Class 1 Mill Galvanized, Add	5.08	
For Class 2 Mill Galvanized, Add	7.62	
For Hot-Dipped Galvanized, Add	12.71	
For Stainless Steel, Add	50.82	
For Cavity Drip, Add	0.50	
04 05 19 13-0196 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement (04 05 19 13-0179)		
04 05 19 13-0197 CLF #8 (For 8" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement	65.30	
For Class 1 Mill Galvanized, Add	4.88	
For Class 2 Mill Galvanized, Add	7.31	
For Hot-Dipped Galvanized, Add	12.19	
For Stainless Steel, Add	48.76	
For Cavity Drip, Add	0.50	
04 05 19 13-0198 CLF #10 (For 10" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement	71.01	
For Class 1 Mill Galvanized, Add	5.11	
For Class 2 Mill Galvanized, Add	7.66	
For Hot-Dipped Galvanized, Add	12.77	
For Stainless Steel, Add	51.08	
For Cavity Drip, Add	0.50	
04 05 19 13-0199 CLF #12 (For 12" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement	77.14	
For Class 1 Mill Galvanized, Add	5.42	
For Class 2 Mill Galvanized, Add	8.14	
For Hot-Dipped Galvanized, Add	13.56	
For Stainless Steel, Add	54.24	
For Cavity Drip, Add	0.50	
04 05 19 13-0200 CLF #13 (For 13" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement	82.54	
For Class 1 Mill Galvanized, Add	5.60	
For Class 2 Mill Galvanized, Add	8.39	
For Hot-Dipped Galvanized, Add	13.99	
For Stainless Steel, Add	55.96	
For Cavity Drip, Add	0.50	
04 05 19 13-0201 CLF #14 (For 14" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement	85.68	
For Class 1 Mill Galvanized, Add	5.77	
For Class 2 Mill Galvanized, Add	8.65	
For Hot-Dipped Galvanized, Add	14.42	
For Stainless Steel, Add	57.68	
For Cavity Drip, Add	0.50	
04 05 19 13-0202 CLF #16 (For 16" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement	91.71	
For Class 1 Mill Galvanized, Add	6.16	
For Class 2 Mill Galvanized, Add	9.24	
For Hot-Dipped Galvanized, Add	15.40	
For Stainless Steel, Add	61.58	
For Cavity Drip, Add	0.50	
04 05 19 13-0203 CLF #18 (For 18" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement	96.96	
For Class 1 Mill Galvanized, Add	6.48	
For Class 2 Mill Galvanized, Add	9.72	
For Hot-Dipped Galvanized, Add	16.20	
For Stainless Steel, Add	64.78	
For Cavity Drip, Add	0.50	
04 05 19 13-0204 Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement (04 05 19 13-0144)		
04 05 19 13-0205 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement (04 05 19 13-0204)		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 13-0206 CLF #8 (For 4" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	70.95	
For Class 1 Mill Galvanized, Add	6.01	
For Class 2 Mill Galvanized, Add	9.01	
For Hot-Dipped Galvanized, Add	15.02	
For Stainless Steel, Add	60.06	
04 05 19 13-0207 CLF #10 (For 6" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	75.71	
For Class 1 Mill Galvanized, Add	6.05	
For Class 2 Mill Galvanized, Add	9.07	
For Hot-Dipped Galvanized, Add	15.12	
For Stainless Steel, Add	60.48	
04 05 19 13-0208 CLF #12 (For 8" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	81.00	
For Class 1 Mill Galvanized, Add	6.20	
For Class 2 Mill Galvanized, Add	9.29	
For Hot-Dipped Galvanized, Add	15.49	
For Stainless Steel, Add	61.96	
04 05 19 13-0209 CLF #14 (For 10" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	88.79	
For Class 1 Mill Galvanized, Add	6.39	
For Class 2 Mill Galvanized, Add	9.59	
For Hot-Dipped Galvanized, Add	15.98	
For Stainless Steel, Add	63.90	
04 05 19 13-0210 CLF #16 (For 12" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	94.03	
For Class 1 Mill Galvanized, Add	6.62	
For Class 2 Mill Galvanized, Add	9.93	
For Hot-Dipped Galvanized, Add	16.56	
For Stainless Steel, Add	66.22	
04 05 19 13-0211 CLF #18 (For 14" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	99.08	
For Class 1 Mill Galvanized, Add	6.90	
For Class 2 Mill Galvanized, Add	10.35	
For Hot-Dipped Galvanized, Add	17.26	
For Stainless Steel, Add	69.02	
 04 05 19 13-0212 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement <small>(04 05 19 13-0204)</small>		
04 05 19 13-0213 CLF #8 (For 4" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	78.29	
For Class 1 Mill Galvanized, Add	7.47	
For Class 2 Mill Galvanized, Add	11.21	
For Hot-Dipped Galvanized, Add	18.69	
For Stainless Steel, Add	74.74	
04 05 19 13-0214 CLF #10 (For 6" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	83.15	
For Class 1 Mill Galvanized, Add	7.54	
For Class 2 Mill Galvanized, Add	11.30	
For Hot-Dipped Galvanized, Add	18.84	
For Stainless Steel, Add	75.36	
04 05 19 13-0215 CLF #12 (For 8" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	88.44	
For Class 1 Mill Galvanized, Add	7.68	
For Class 2 Mill Galvanized, Add	11.53	
For Hot-Dipped Galvanized, Add	19.21	
For Stainless Steel, Add	76.84	
04 05 19 13-0216 CLF #14 (For 10" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	96.22	
For Class 1 Mill Galvanized, Add	7.88	
For Class 2 Mill Galvanized, Add	11.81	
For Hot-Dipped Galvanized, Add	19.69	
For Stainless Steel, Add	78.76	
04 05 19 13-0217 CLF #16 (For 12" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	101.36	
For Class 1 Mill Galvanized, Add	8.09	
For Class 2 Mill Galvanized, Add	12.13	
For Hot-Dipped Galvanized, Add	20.22	
For Stainless Steel, Add	80.88	
04 05 19 13-0218 CLF #18 (For 14" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	106.08	
For Class 1 Mill Galvanized, Add	8.30	
For Class 2 Mill Galvanized, Add	12.45	
For Hot-Dipped Galvanized, Add	20.76	
For Stainless Steel, Add	83.02	
 04 05 19 13-0219 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement <small>(04 05 19 13-0204)</small>		

04 Masonry**04 05 Common Work Results For Masonry****04 05 19 Masonry Anchorage And Reinforcing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 13-0220	CLF	#8 (For 4" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement.....	82.31		
		<i>For Class 1 Mill Galvanized, Add</i>	8.28		
		<i>For Class 2 Mill Galvanized, Add</i>	12.42		
		<i>For Hot-Dipped Galvanized, Add</i>	20.70		
		<i>For Stainless Steel, Add</i>	82.78		
04 05 19 13-0221	CLF	#10 (For 6" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement.....	87.18		
		<i>For Class 1 Mill Galvanized, Add</i>	8.34		
		<i>For Class 2 Mill Galvanized, Add</i>	12.51		
		<i>For Hot-Dipped Galvanized, Add</i>	20.86		
		<i>For Stainless Steel, Add</i>	83.42		
04 05 19 13-0222	CLF	#12 (For 8" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement.....	92.88		
		<i>For Class 1 Mill Galvanized, Add</i>	8.57		
		<i>For Class 2 Mill Galvanized, Add</i>	12.86		
		<i>For Hot-Dipped Galvanized, Add</i>	21.43		
		<i>For Stainless Steel, Add</i>	85.72		
04 05 19 13-0223	CLF	#14 (For 10" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement.....	101.21		
		<i>For Class 1 Mill Galvanized, Add</i>	8.87		
		<i>For Class 2 Mill Galvanized, Add</i>	13.31		
		<i>For Hot-Dipped Galvanized, Add</i>	22.19		
		<i>For Stainless Steel, Add</i>	88.74		
04 05 19 13-0224	CLF	#16 (For 12" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement.....	107.20		
		<i>For Class 1 Mill Galvanized, Add</i>	9.26		
		<i>For Class 2 Mill Galvanized, Add</i>	13.88		
		<i>For Hot-Dipped Galvanized, Add</i>	23.14		
		<i>For Stainless Steel, Add</i>	92.56		
04 05 19 13-0225	CLF	#18 (For 14" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement.....	112.97		
		<i>For Class 1 Mill Galvanized, Add</i>	9.68		
		<i>For Class 2 Mill Galvanized, Add</i>	14.52		
		<i>For Hot-Dipped Galvanized, Add</i>	24.20		
		<i>For Stainless Steel, Add</i>	96.80		
04 05 19 13-0226		Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement <small>(04 05 19 13-0144)</small>			
04 05 19 13-0227		9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement <small>(04 05 19 13-0226)</small>			
04 05 19 13-0228	CLF	#10 (For 4" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement.....	76.90		
		<i>For Class 1 Mill Galvanized, Add</i>	6.29		
		<i>For Class 2 Mill Galvanized, Add</i>	9.43		
		<i>For Hot-Dipped Galvanized, Add</i>	15.72		
		<i>For Stainless Steel, Add</i>	62.86		
04 05 19 13-0229	CLF	#12 (For 6" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement.....	81.67		
		<i>For Class 1 Mill Galvanized, Add</i>	6.33		
		<i>For Class 2 Mill Galvanized, Add</i>	9.50		
		<i>For Hot-Dipped Galvanized, Add</i>	15.83		
		<i>For Stainless Steel, Add</i>	63.30		
04 05 19 13-0230	CLF	#14 (For 8" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement.....	89.20		
		<i>For Class 1 Mill Galvanized, Add</i>	6.47		
		<i>For Class 2 Mill Galvanized, Add</i>	9.71		
		<i>For Hot-Dipped Galvanized, Add</i>	16.18		
		<i>For Stainless Steel, Add</i>	64.72		
04 05 19 13-0231	CLF	#16 (For 10" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement.....	94.25		
		<i>For Class 1 Mill Galvanized, Add</i>	6.67		
		<i>For Class 2 Mill Galvanized, Add</i>	10.00		
		<i>For Hot-Dipped Galvanized, Add</i>	16.67		
		<i>For Stainless Steel, Add</i>	66.66		
04 05 19 13-0232	CLF	#18 (For 12" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement.....	99.07		
		<i>For Class 1 Mill Galvanized, Add</i>	6.90		
		<i>For Class 2 Mill Galvanized, Add</i>	10.35		
		<i>For Hot-Dipped Galvanized, Add</i>	17.25		
		<i>For Stainless Steel, Add</i>	69.00		
04 05 19 13-0233	CLF	#20 (For 14" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement.....	102.79		
		<i>For Class 1 Mill Galvanized, Add</i>	7.14		
		<i>For Class 2 Mill Galvanized, Add</i>	10.71		
		<i>For Hot-Dipped Galvanized, Add</i>	17.85		
		<i>For Stainless Steel, Add</i>	71.40		
04 05 19 13-0234		3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement <small>(04 05 19 13-0226)</small>			



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 13-0235 CLF #10 (For 4" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement.....	84.21	
<i>For Class 1 Mill Galvanized, Add</i>	7.75	
<i>For Class 2 Mill Galvanized, Add</i>	11.62	
<i>For Hot-Dipped Galvanized, Add</i>	19.37	
<i>For Stainless Steel, Add</i>	77.48	
04 05 19 13-0236 CLF #12 (For 6" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement.....	89.08	
<i>For Class 1 Mill Galvanized, Add</i>	7.81	
<i>For Class 2 Mill Galvanized, Add</i>	11.72	
<i>For Hot-Dipped Galvanized, Add</i>	19.53	
<i>For Stainless Steel, Add</i>	78.12	
04 05 19 13-0237 CLF #14 (For 8" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement.....	96.64	
<i>For Class 1 Mill Galvanized, Add</i>	7.96	
<i>For Class 2 Mill Galvanized, Add</i>	11.94	
<i>For Hot-Dipped Galvanized, Add</i>	19.90	
<i>For Stainless Steel, Add</i>	79.60	
04 05 19 13-0238 CLF #16 (For 10" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement.....	101.68	
<i>For Class 1 Mill Galvanized, Add</i>	8.15	
<i>For Class 2 Mill Galvanized, Add</i>	12.23	
<i>For Hot-Dipped Galvanized, Add</i>	20.38	
<i>For Stainless Steel, Add</i>	81.52	
04 05 19 13-0239 CLF #18 (For 12" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement.....	106.39	
<i>For Class 1 Mill Galvanized, Add</i>	8.36	
<i>For Class 2 Mill Galvanized, Add</i>	12.55	
<i>For Hot-Dipped Galvanized, Add</i>	20.91	
<i>For Stainless Steel, Add</i>	83.64	
04 05 19 13-0240 CLF #20 (For 14" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement.....	110.17	
<i>For Class 1 Mill Galvanized, Add</i>	8.62	
<i>For Class 2 Mill Galvanized, Add</i>	12.92	
<i>For Hot-Dipped Galvanized, Add</i>	21.54	
<i>For Stainless Steel, Add</i>	86.16	
04 05 19 13-0241 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement <small>(04 05 19 13-0226)</small>		
04 05 19 13-0242 CLF #10 (For 4" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement.....	88.25	
<i>For Class 1 Mill Galvanized, Add</i>	8.56	
<i>For Class 2 Mill Galvanized, Add</i>	12.83	
<i>For Hot-Dipped Galvanized, Add</i>	21.39	
<i>For Stainless Steel, Add</i>	85.56	
04 05 19 13-0243 CLF #12 (For 6" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement.....	93.10	
<i>For Class 1 Mill Galvanized, Add</i>	8.62	
<i>For Class 2 Mill Galvanized, Add</i>	12.92	
<i>For Hot-Dipped Galvanized, Add</i>	21.54	
<i>For Stainless Steel, Add</i>	86.16	
04 05 19 13-0244 CLF #14 (For 8" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement.....	101.10	
<i>For Class 1 Mill Galvanized, Add</i>	8.85	
<i>For Class 2 Mill Galvanized, Add</i>	13.28	
<i>For Hot-Dipped Galvanized, Add</i>	22.13	
<i>For Stainless Steel, Add</i>	88.52	
04 05 19 13-0245 CLF #16 (For 10" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement.....	106.68	
<i>For Class 1 Mill Galvanized, Add</i>	9.15	
<i>For Class 2 Mill Galvanized, Add</i>	13.73	
<i>For Hot-Dipped Galvanized, Add</i>	22.88	
<i>For Stainless Steel, Add</i>	91.52	
04 05 19 13-0246 CLF #18 (For 12" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement.....	112.23	
<i>For Class 1 Mill Galvanized, Add</i>	9.53	
<i>For Class 2 Mill Galvanized, Add</i>	14.30	
<i>For Hot-Dipped Galvanized, Add</i>	23.83	
<i>For Stainless Steel, Add</i>	95.32	
04 05 19 13-0247 CLF #20 (For 14" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement.....	116.20	
<i>For Class 1 Mill Galvanized, Add</i>	9.82	
<i>For Class 2 Mill Galvanized, Add</i>	14.73	
<i>For Hot-Dipped Galvanized, Add</i>	24.56	
<i>For Stainless Steel, Add</i>	98.22	
04 05 19 13-0248 Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement <small>(04 05 19 13-0144)</small>		
04 05 19 13-0249 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement <small>(04 05 19 13-0248)</small>		

04 Masonry**04 05 Common Work Results For Masonry****04 05 19 Masonry Anchorage And Reinforcing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 13-0250	CLF	#8 (For 4" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....		74.07	
		<i>For Class 1 Mill Galvanized, Add</i>		5.72	
		<i>For Class 2 Mill Galvanized, Add</i>		8.58	
		<i>For Hot-Dipped Galvanized, Add</i>		14.30	
		<i>For Stainless Steel, Add</i>		57.20	
		<i>For Seismic Hook And Eye, Add</i>		27.50	
04 05 19 13-0251	CLF	#10 (For 6" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....		78.82	
		<i>For Class 1 Mill Galvanized, Add</i>		5.76	
		<i>For Class 2 Mill Galvanized, Add</i>		8.64	
		<i>For Hot-Dipped Galvanized, Add</i>		14.40	
		<i>For Stainless Steel, Add</i>		57.60	
		<i>For Seismic Hook And Eye, Add</i>		27.50	
04 05 19 13-0252	CLF	#12 (For 8" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....		86.26	
		<i>For Class 1 Mill Galvanized, Add</i>		5.88	
		<i>For Class 2 Mill Galvanized, Add</i>		8.83	
		<i>For Hot-Dipped Galvanized, Add</i>		14.71	
		<i>For Stainless Steel, Add</i>		58.84	
		<i>For Seismic Hook And Eye, Add</i>		27.50	
04 05 19 13-0253	CLF	#14 (For 10" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....		91.23	
		<i>For Class 1 Mill Galvanized, Add</i>		6.06	
		<i>For Class 2 Mill Galvanized, Add</i>		9.09	
		<i>For Hot-Dipped Galvanized, Add</i>		15.16	
		<i>For Stainless Steel, Add</i>		60.62	
		<i>For Seismic Hook And Eye, Add</i>		27.50	
04 05 19 13-0254	CLF	#16 (For 12" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....		95.81	
		<i>For Class 1 Mill Galvanized, Add</i>		6.25	
		<i>For Class 2 Mill Galvanized, Add</i>		9.37	
		<i>For Hot-Dipped Galvanized, Add</i>		15.62	
		<i>For Stainless Steel, Add</i>		62.48	
		<i>For Seismic Hook And Eye, Add</i>		27.50	
04 05 19 13-0255	CLF	#18 (For 14" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....		99.46	
		<i>For Class 1 Mill Galvanized, Add</i>		6.47	
		<i>For Class 2 Mill Galvanized, Add</i>		9.71	
		<i>For Hot-Dipped Galvanized, Add</i>		16.19	
		<i>For Stainless Steel, Add</i>		64.74	
		<i>For Seismic Hook And Eye, Add</i>		27.50	
04 05 19 13-0256		3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement <small>(04 05 19 13-0248)</small>			
04 05 19 13-0257	CLF	#8 (For 4" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....		80.81	
		<i>For Class 1 Mill Galvanized, Add</i>		7.07	
		<i>For Class 2 Mill Galvanized, Add</i>		10.60	
		<i>For Hot-Dipped Galvanized, Add</i>		17.67	
		<i>For Stainless Steel, Add</i>		70.68	
		<i>For Seismic Hook And Eye, Add</i>		27.50	
04 05 19 13-0258	CLF	#10 (For 6" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....		85.64	
		<i>For Class 1 Mill Galvanized, Add</i>		7.12	
		<i>For Class 2 Mill Galvanized, Add</i>		10.69	
		<i>For Hot-Dipped Galvanized, Add</i>		17.81	
		<i>For Stainless Steel, Add</i>		71.24	
		<i>For Seismic Hook And Eye, Add</i>		27.50	
04 05 19 13-0259	CLF	#12 (For 8" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....		93.02	
		<i>For Class 1 Mill Galvanized, Add</i>		7.24	
		<i>For Class 2 Mill Galvanized, Add</i>		10.85	
		<i>For Hot-Dipped Galvanized, Add</i>		18.09	
		<i>For Stainless Steel, Add</i>		72.36	
		<i>For Seismic Hook And Eye, Add</i>		27.50	
04 05 19 13-0260	CLF	#14 (For 10" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....		97.95	
		<i>For Class 1 Mill Galvanized, Add</i>		7.41	
		<i>For Class 2 Mill Galvanized, Add</i>		11.11	
		<i>For Hot-Dipped Galvanized, Add</i>		18.52	
		<i>For Stainless Steel, Add</i>		74.06	
		<i>For Seismic Hook And Eye, Add</i>		27.50	
04 05 19 13-0261	CLF	#16 (For 12" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....		102.52	
		<i>For Class 1 Mill Galvanized, Add</i>		7.59	
		<i>For Class 2 Mill Galvanized, Add</i>		11.39	
		<i>For Hot-Dipped Galvanized, Add</i>		18.98	
		<i>For Stainless Steel, Add</i>		75.90	
		<i>For Seismic Hook And Eye, Add</i>		27.50	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 13-0262 CLF #18 (For 14" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	106.05	
<i>For Class 1 Mill Galvanized, Add</i>	7.79	
<i>For Class 2 Mill Galvanized, Add</i>	11.69	
<i>For Hot-Dipped Galvanized, Add</i>	19.48	
<i>For Stainless Steel, Add</i>	77.92	
<i>For Seismic Hook And Eye, Add</i>	27.50	
04 05 19 13-0263 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement <small>(04 05 19 13-0248)</small>		
04 05 19 13-0264 CLF #8 (For 4" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement	84.89	
<i>For Class 1 Mill Galvanized, Add</i>	7.88	
<i>For Class 2 Mill Galvanized, Add</i>	11.83	
<i>For Hot-Dipped Galvanized, Add</i>	19.71	
<i>For Stainless Steel, Add</i>	78.84	
<i>For Seismic Hook And Eye, Add</i>	27.50	
04 05 19 13-0265 CLF #10 (For 6" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement	89.74	
<i>For Class 1 Mill Galvanized, Add</i>	7.94	
<i>For Class 2 Mill Galvanized, Add</i>	11.92	
<i>For Hot-Dipped Galvanized, Add</i>	19.86	
<i>For Stainless Steel, Add</i>	79.44	
<i>For Seismic Hook And Eye, Add</i>	27.50	
04 05 19 13-0266 CLF #12 (For 8" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement	97.66	
<i>For Class 1 Mill Galvanized, Add</i>	8.16	
<i>For Class 2 Mill Galvanized, Add</i>	12.25	
<i>For Hot-Dipped Galvanized, Add</i>	20.41	
<i>For Stainless Steel, Add</i>	81.64	
<i>For Seismic Hook And Eye, Add</i>	27.50	
04 05 19 13-0267 CLF #14 (For 10" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	103.18	
<i>For Class 1 Mill Galvanized, Add</i>	8.45	
<i>For Class 2 Mill Galvanized, Add</i>	12.68	
<i>For Hot-Dipped Galvanized, Add</i>	21.13	
<i>For Stainless Steel, Add</i>	84.52	
<i>For Seismic Hook And Eye, Add</i>	27.50	
04 05 19 13-0268 CLF #16 (For 12" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	108.65	
<i>For Class 1 Mill Galvanized, Add</i>	8.82	
<i>For Class 2 Mill Galvanized, Add</i>	13.22	
<i>For Hot-Dipped Galvanized, Add</i>	22.04	
<i>For Stainless Steel, Add</i>	88.16	
<i>For Seismic Hook And Eye, Add</i>	27.50	
04 05 19 13-0269 CLF #18 (For 14" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	113.19	
<i>For Class 1 Mill Galvanized, Add</i>	9.22	
<i>For Class 2 Mill Galvanized, Add</i>	13.83	
<i>For Hot-Dipped Galvanized, Add</i>	23.05	
<i>For Stainless Steel, Add</i>	92.20	
<i>For Seismic Hook And Eye, Add</i>	27.50	
04 05 19 13-0270 Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement <small>(04 05 19 13-0144)</small>		
04 05 19 13-0271 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall <small>(04 05 19 13-0270)</small>		
04 05 19 13-0272 CLF #10 (For 4" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement	79.97	
<i>For Class 1 Mill Galvanized, Add</i>	5.99	
<i>For Class 2 Mill Galvanized, Add</i>	8.99	
<i>For Hot-Dipped Galvanized, Add</i>	14.98	
<i>For Stainless Steel, Add</i>	59.90	
<i>For Seismic Hook And Eye, Add</i>	27.50	
04 05 19 13-0273 CLF #12 (For 6" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement	87.00	
<i>For Class 1 Mill Galvanized, Add</i>	6.03	
<i>For Class 2 Mill Galvanized, Add</i>	9.05	
<i>For Hot-Dipped Galvanized, Add</i>	15.08	
<i>For Stainless Steel, Add</i>	60.32	
<i>For Seismic Hook And Eye, Add</i>	27.50	
04 05 19 13-0274 CLF #14 (For 8" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement	91.74	
<i>For Class 1 Mill Galvanized, Add</i>	6.16	
<i>For Class 2 Mill Galvanized, Add</i>	9.25	
<i>For Hot-Dipped Galvanized, Add</i>	15.41	
<i>For Stainless Steel, Add</i>	61.64	
<i>For Seismic Hook And Eye, Add</i>	27.50	

04 Masonry**04 05 Common Work Results For Masonry****04 05 19 Masonry Anchorage And Reinforcing**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 13-0275 CLF #16 (For 10" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement	96.33	
For Class 1 Mill Galvanized, Add	6.35	
For Class 2 Mill Galvanized, Add	9.53	
For Hot-Dipped Galvanized, Add	15.88	
For Stainless Steel, Add	63.52	
For Seismic Hook And Eye, Add	27.50	
04 05 19 13-0276 CLF #18 (For 12" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement	99.94	
For Class 1 Mill Galvanized, Add	6.57	
For Class 2 Mill Galvanized, Add	9.86	
For Hot-Dipped Galvanized, Add	16.43	
For Stainless Steel, Add	65.70	
For Seismic Hook And Eye, Add	27.50	
04 05 19 13-0277 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement (04 05 19 13-0270)		
04 05 19 13-0278 CLF #10 (For 4" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement	87.23	
For Class 1 Mill Galvanized, Add	7.44	
For Class 2 Mill Galvanized, Add	11.16	
For Hot-Dipped Galvanized, Add	18.61	
For Stainless Steel, Add	74.42	
For Seismic Hook And Eye, Add	27.50	
04 05 19 13-0279 CLF #12 (For 6" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement	94.28	
For Class 1 Mill Galvanized, Add	7.49	
For Class 2 Mill Galvanized, Add	11.23	
For Hot-Dipped Galvanized, Add	18.72	
For Stainless Steel, Add	74.88	
For Seismic Hook And Eye, Add	27.50	
04 05 19 13-0280 CLF #14 (For 8" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement	99.00	
For Class 1 Mill Galvanized, Add	7.62	
For Class 2 Mill Galvanized, Add	11.42	
For Hot-Dipped Galvanized, Add	19.04	
For Stainless Steel, Add	76.16	
For Seismic Hook And Eye, Add	27.50	
04 05 19 13-0281 CLF #16 (For 10" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement	103.51	
For Class 1 Mill Galvanized, Add	7.79	
For Class 2 Mill Galvanized, Add	11.68	
For Hot-Dipped Galvanized, Add	19.47	
For Stainless Steel, Add	77.88	
For Seismic Hook And Eye, Add	27.50	
04 05 19 13-0282 CLF #18 (For 12" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement	106.92	
For Class 1 Mill Galvanized, Add	7.97	
For Class 2 Mill Galvanized, Add	11.95	
For Hot-Dipped Galvanized, Add	19.92	
For Stainless Steel, Add	79.66	
For Seismic Hook And Eye, Add	27.50	
04 05 19 13-0283 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement (04 05 19 13-0270)		
04 05 19 13-0284 CLF #10 (For 4" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement	90.76	
For Class 1 Mill Galvanized, Add	8.15	
For Class 2 Mill Galvanized, Add	12.22	
For Hot-Dipped Galvanized, Add	20.37	
For Stainless Steel, Add	81.48	
For Seismic Hook And Eye, Add	27.50	
04 05 19 13-0285 CLF #12 (For 6" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement	97.87	
For Class 1 Mill Galvanized, Add	8.21	
For Class 2 Mill Galvanized, Add	12.31	
For Hot-Dipped Galvanized, Add	20.52	
For Stainless Steel, Add	82.06	
For Seismic Hook And Eye, Add	27.50	
04 05 19 13-0286 CLF #14 (For 8" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement	103.07	
For Class 1 Mill Galvanized, Add	8.43	
For Class 2 Mill Galvanized, Add	12.65	
For Hot-Dipped Galvanized, Add	21.08	
For Stainless Steel, Add	84.30	
For Seismic Hook And Eye, Add	27.50	
04 05 19 13-0287 CLF #16 (For 10" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement	108.15	
For Class 1 Mill Galvanized, Add	8.72	
For Class 2 Mill Galvanized, Add	13.07	
For Hot-Dipped Galvanized, Add	21.79	
For Stainless Steel, Add	87.16	
For Seismic Hook And Eye, Add	27.50	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 13-0288 CLF #18 (For 12" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement.....	112.48	
<i>For Class 1 Mill Galvanized, Add</i>	9.08	
<i>For Class 2 Mill Galvanized, Add</i>	13.62	
<i>For Hot-Dipped Galvanized, Add</i>	22.70	
<i>For Stainless Steel, Add</i>	90.78	
<i>For Seismic Hook And Eye, Add</i>	27.50	
04 05 19 16 Masonry Anchors <small>(04 05 19)</small>		
04 05 19 16-0001 Rectangular, Wire Masonry Wall Ties <small>(04 05 19 16)</small>		
04 05 19 16-0002 Hot-Dipped Galvanized, Rectangular, Wire Masonry Wall Ties <small>(04 05 19 16-0001)</small>		
04 05 19 16-0003 EA 2" Width x 4" Length, 3/16" Diameter, Hot-Dipped Galvanized, Rectangular, Wire Masonry Wall Tie.....	0.96	
04 05 19 16-0004 EA 2" Width x 6" Length, 3/16" Diameter, Hot-Dipped Galvanized, Rectangular, Wire Masonry Wall Tie.....	1.00	
04 05 19 16-0005 EA 2" Width x 8" Length, 3/16" Diameter, Hot-Dipped Galvanized, Rectangular, Wire Masonry Wall Tie.....	1.04	
04 05 19 16-0006 EA 2" Width x 10" Length, 3/16" Diameter, Hot-Dipped Galvanized, Rectangular, Wire Masonry Wall Tie.....	1.09	
04 05 19 16-0007 EA 2" Width x 12" Length, 3/16" Diameter, Hot-Dipped Galvanized, Rectangular, Wire Masonry Wall Tie.....	1.14	
04 05 19 16-0008 EA 4" Width x 6" Length, 3/16" Diameter, Hot-Dipped Galvanized, Rectangular, Wire Masonry Wall Tie.....	1.04	
04 05 19 16-0009 EA 4" Width x 8" Length, 3/16" Diameter, Hot-Dipped Galvanized, Rectangular, Wire Masonry Wall Tie.....	1.09	
04 05 19 16-0010 EA 4" Width x 10" Length, 3/16" Diameter, Hot-Dipped Galvanized, Rectangular, Wire Masonry Wall Tie.....	1.14	
04 05 19 16-0011 EA 4" Width x 12" Length, 3/16" Diameter, Hot-Dipped Galvanized, Rectangular, Wire Masonry Wall Tie.....	1.19	
04 05 19 16-0012 Mill Galvanized, Rectangular, Wire Masonry Wall Ties <small>(04 05 19 16-0001)</small>		
04 05 19 16-0013 EA 2" Width x 4" Length, 3/16" Diameter, Mill Galvanized, Rectangular, Wire Masonry Wall Tie.....	0.88	
04 05 19 16-0014 EA 2" Width x 6" Length, 3/16" Diameter, Mill Galvanized, Rectangular, Wire Masonry Wall Tie.....	0.90	
04 05 19 16-0015 EA 2" Width x 8" Length, 3/16" Diameter, Mill Galvanized, Rectangular, Wire Masonry Wall Tie.....	0.92	
04 05 19 16-0016 EA 2" Width x 10" Length, 3/16" Diameter, Mill Galvanized, Rectangular, Wire Masonry Wall Tie.....	0.95	
04 05 19 16-0017 EA 2" Width x 12" Length, 3/16" Diameter, Mill Galvanized, Rectangular, Wire Masonry Wall Tie.....	0.97	
04 05 19 16-0018 EA 4" Width x 6" Length, 3/16" Diameter, Mill Galvanized, Rectangular, Wire Masonry Wall Tie.....	0.92	
04 05 19 16-0019 EA 4" Width x 8" Length, 3/16" Diameter, Mill Galvanized, Rectangular, Wire Masonry Wall Tie.....	0.95	
04 05 19 16-0020 EA 4" Width x 10" Length, 3/16" Diameter, Mill Galvanized, Rectangular, Wire Masonry Wall Tie.....	0.97	
04 05 19 16-0021 EA 4" Width x 12" Length, 3/16" Diameter, Mill Galvanized, Rectangular, Wire Masonry Wall Tie.....	1.00	
04 05 19 16-0022 Z-Type, Wire Masonry Wall Ties <small>(04 05 19 16)</small>		
04 05 19 16-0023 Hot-Dipped Galvanized, Z-Type, Wire Masonry Wall Ties <small>(04 05 19 16-0022)</small>		
04 05 19 16-0024 EA 6" Length, 2" Bends, 3/16" Diameter, Hot-Dipped Galvanized, Z-Type, Wire Masonry Wall Tie.....	0.89	
04 05 19 16-0025 EA 8" Length, 2" Bends, 3/16" Diameter, Hot-Dipped Galvanized, Z-Type, Wire Masonry Wall Tie.....	0.91	
04 05 19 16-0026 EA 10" Length, 2" Bends, 3/16" Diameter, Hot-Dipped Galvanized, Z-Type, Wire Masonry Wall Tie.....	0.98	
04 05 19 16-0027 EA 12" Length, 2" Bends, 3/16" Diameter, Hot-Dipped Galvanized, Z-Type, Wire Masonry Wall Tie.....	1.02	
04 05 19 16-0028 EA 6" Length, 2" Bends, 1/4" Diameter, Hot-Dipped Galvanized, Z-Type, Wire Masonry Wall Tie.....	1.03	
04 05 19 16-0029 EA 8" Length, 2" Bends, 1/4" Diameter, Hot-Dipped Galvanized, Z-Type, Wire Masonry Wall Tie.....	1.07	
04 05 19 16-0030 EA 10" Length, 2" Bends, 1/4" Diameter, Hot-Dipped Galvanized, Z-Type, Wire Masonry Wall Tie.....	1.13	
04 05 19 16-0031 EA 12" Length, 2" Bends, 1/4" Diameter, Hot-Dipped Galvanized, Z-Type, Wire Masonry Wall Tie.....	1.17	
04 05 19 16-0032 Mill Galvanized, Z-Type, Wire Masonry Wall Ties <small>(04 05 19 16-0022)</small>		
04 05 19 16-0033 EA 6" Length, 2" Bends, 3/16" Diameter, Mill Galvanized, Z-Type, Wire Masonry Wall Tie.....	0.83	
04 05 19 16-0034 EA 8" Length, 2" Bends, 3/16" Diameter, Mill Galvanized, Z-Type, Wire Masonry Wall Tie.....	0.84	
04 05 19 16-0035 EA 10" Length, 2" Bends, 3/16" Diameter, Mill Galvanized, Z-Type, Wire Masonry Wall Tie.....	0.90	
04 05 19 16-0036 EA 12" Length, 2" Bends, 3/16" Diameter, Mill Galvanized, Z-Type, Wire Masonry Wall Tie.....	0.91	
04 05 19 16-0037 EA 6" Length, 2" Bends, 1/4" Diameter, Mill Galvanized, Z-Type, Wire Masonry Wall Tie.....	0.92	
04 05 19 16-0038 EA 8" Length, 2" Bends, 1/4" Diameter, Mill Galvanized, Z-Type, Wire Masonry Wall Tie.....	0.95	
04 05 19 16-0039 EA 10" Length, 2" Bends, 1/4" Diameter, Mill Galvanized, Z-Type, Wire Masonry Wall Tie.....	0.97	
04 05 19 16-0040 EA 12" Length, 2" Bends, 1/4" Diameter, Mill Galvanized, Z-Type, Wire Masonry Wall Tie.....	1.01	
04 05 19 16-0041 Wire Beam Ties <small>(04 05 19 16)</small>		
04 05 19 16-0042 Hot-Dipped Galvanized, Wire Beam Ties <small>(04 05 19 16-0041)</small>		
04 05 19 16-0043 EA 2" Width x 12" Length, 3/16" Diameter, Hot-Dipped Galvanized, Wire Beam Tie.....	1.09	
04 05 19 16-0044 EA 4" Width x 12" Length, 3/16" Diameter, Hot-Dipped Galvanized, Wire Beam Tie.....	1.11	
04 05 19 16-0045 EA 6" Width x 12" Length, 3/16" Diameter, Hot-Dipped Galvanized, Wire Beam Tie.....	1.12	
04 05 19 16-0046 EA 8" Width x 12" Length, 3/16" Diameter, Hot-Dipped Galvanized, Wire Beam Tie.....	1.14	
04 05 19 16-0047 EA 10" Width x 12" Length, 3/16" Diameter, Hot-Dipped Galvanized, Wire Beam Tie.....	1.17	
04 05 19 16-0048 Mill Galvanized, Wire Beam Ties <small>(04 05 19 16-0041)</small>		
04 05 19 16-0049 EA 2" Width x 12" Length, 3/16" Diameter, Mill Galvanized, Wire Beam Tie.....	1.24	
04 05 19 16-0050 EA 4" Width x 12" Length, 3/16" Diameter, Mill Galvanized, Wire Beam Tie.....	1.28	
04 05 19 16-0051 EA 6" Width x 12" Length, 3/16" Diameter, Mill Galvanized, Wire Beam Tie.....	1.32	
04 05 19 16-0052 EA 8" Width x 12" Length, 3/16" Diameter, Mill Galvanized, Wire Beam Tie.....	1.35	
04 05 19 16-0053 EA 10" Width x 12" Length, 3/16" Diameter, Mill Galvanized, Wire Beam Tie.....	1.38	
04 05 19 16-0054 Adjustable Double Pintle, Wire Masonry Wall Ties <small>(04 05 19 16)</small>		

04 Masonry**04 05 Common Work Results For Masonry****04 05 19 Masonry Anchorage And Reinforcing**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
04 05 19 16-0055		Hot-Dipped Galvanized, Adjustable Double Pintle, Wire Masonry Wall Ties			
		<small>(04 05 19 16-0054)</small>			
04 05 19 16-0056	EA	6" Total Length, 3/16" Diameter, Hot-Dipped Galvanized, Adjustable Double Pintle, Wire Masonry Wall Tie	1.17		
04 05 19 16-0057	EA	7" Total Length, 3/16" Diameter, Hot-Dipped Galvanized, Adjustable Double Pintle, Wire Masonry Wall Tie	1.21		
04 05 19 16-0058	EA	8" Total Length, 3/16" Diameter, Hot-Dipped Galvanized, Adjustable Double Pintle, Wire Masonry Wall Tie	1.23		
04 05 19 16-0059	EA	9" Total Length, 3/16" Diameter, Hot-Dipped Galvanized, Adjustable Double Pintle, Wire Masonry Wall Tie	1.26		
04 05 19 16-0060	EA	10" Total Length, 3/16" Diameter, Hot-Dipped Galvanized, Adjustable Double Pintle, Wire Masonry Wall Tie	1.27		
04 05 19 16-0061		Mill Galvanized, Adjustable Double Pintle, Wire Masonry Wall Ties			
		<small>(04 05 19 16-0054)</small>			
04 05 19 16-0062	EA	6" Total Length, 3/16" Diameter, Mill Galvanized, Adjustable Double Pintle, Wire Masonry Wall Tie	1.04		
04 05 19 16-0063	EA	7" Total Length, 3/16" Diameter, Mill Galvanized, Adjustable Double Pintle, Wire Masonry Wall Tie	1.07		
04 05 19 16-0064	EA	8" Total Length, 3/16" Diameter, Mill Galvanized, Adjustable Double Pintle, Wire Masonry Wall Tie	1.07		
04 05 19 16-0065	EA	9" Total Length, 3/16" Diameter, Mill Galvanized, Adjustable Double Pintle, Wire Masonry Wall Tie	1.10		
04 05 19 16-0066	EA	10" Total Length, 3/16" Diameter, Mill Galvanized, Adjustable Double Pintle, Wire Masonry Wall Tie	1.10		
04 05 19 16-0067		Corrugated Buck (Brick) Anchors			
		<small>(04 05 19 16)</small>			
04 05 19 16-0068		Hot-Dipped Galvanized, Corrugated Buck (Brick) Anchors			
		<small>(04 05 19 16-0067)</small>			
04 05 19 16-0069	EA	3-1/2" Length, 1-1/4" Width, 16 Gauge, Hot-Dipped Galvanized, Corrugated Buck (Brick) Anchor	1.36		
04 05 19 16-0070	EA	4-1/2" Length, 1-1/4" Width, 16 Gauge, Hot-Dipped Galvanized, Corrugated Buck (Brick) Anchor	1.40		
04 05 19 16-0071	EA	5-1/2" Length, 1-1/4" Width, 16 Gauge, Hot-Dipped Galvanized, Corrugated Buck (Brick) Anchor	1.45		
04 05 19 16-0072	EA	6-1/2" Length, 1-1/4" Width, 16 Gauge, Hot-Dipped Galvanized, Corrugated Buck (Brick) Anchor	1.49		
04 05 19 16-0073	EA	7-1/2" Length, 1-1/4" Width, 16 Gauge, Hot-Dipped Galvanized, Corrugated Buck (Brick) Anchor	1.53		
04 05 19 16-0074	EA	3-1/2" Length, 1-1/4" Width, 14 Gauge, Hot-Dipped Galvanized, Corrugated Buck (Brick) Anchor	1.40		
04 05 19 16-0075	EA	4-1/2" Length, 1-1/4" Width, 14 Gauge, Hot-Dipped Galvanized, Corrugated Buck (Brick) Anchor	1.44		
04 05 19 16-0076	EA	5-1/2" Length, 1-1/4" Width, 14 Gauge, Hot-Dipped Galvanized, Corrugated Buck (Brick) Anchor	1.49		
04 05 19 16-0077	EA	6-1/2" Length, 1-1/4" Width, 14 Gauge, Hot-Dipped Galvanized, Corrugated Buck (Brick) Anchor	1.53		
04 05 19 16-0078	EA	7-1/2" Length, 1-1/4" Width, 14 Gauge, Hot-Dipped Galvanized, Corrugated Buck (Brick) Anchor	1.58		
04 05 19 16-0079		Mill Galvanized, Corrugated Buck (Brick) Anchors			
		<small>(04 05 19 16-0067)</small>			
04 05 19 16-0080	EA	3-1/2" Length, 1-1/4" Width, 16 Gauge, Mill Galvanized, Corrugated Buck (Brick) Anchor	1.22		
04 05 19 16-0081	EA	4-1/2" Length, 1-1/4" Width, 16 Gauge, Mill Galvanized, Corrugated Buck (Brick) Anchor	1.25		
04 05 19 16-0082	EA	5-1/2" Length, 1-1/4" Width, 16 Gauge, Mill Galvanized, Corrugated Buck (Brick) Anchor	1.28		
04 05 19 16-0083	EA	6-1/2" Length, 1-1/4" Width, 16 Gauge, Mill Galvanized, Corrugated Buck (Brick) Anchor	1.31		
04 05 19 16-0084	EA	7-1/2" Length, 1-1/4" Width, 16 Gauge, Mill Galvanized, Corrugated Buck (Brick) Anchor	1.34		
04 05 19 16-0085	EA	3-1/2" Length, 1-1/4" Width, 14 Gauge, Mill Galvanized, Corrugated Buck (Brick) Anchor	1.24		
04 05 19 16-0086	EA	4-1/2" Length, 1-1/4" Width, 14 Gauge, Mill Galvanized, Corrugated Buck (Brick) Anchor	1.28		
04 05 19 16-0087	EA	5-1/2" Length, 1-1/4" Width, 14 Gauge, Mill Galvanized, Corrugated Buck (Brick) Anchor	1.31		
04 05 19 16-0088	EA	6-1/2" Length, 1-1/4" Width, 14 Gauge, Mill Galvanized, Corrugated Buck (Brick) Anchor	1.34		
04 05 19 16-0089	EA	7-1/2" Length, 1-1/4" Width, 14 Gauge, Mill Galvanized, Corrugated Buck (Brick) Anchor	1.37		
04 05 19 16-0090		Corrugated Wall Ties			
		<small>(04 05 19 16)</small>			
04 05 19 16-0091		Hot-Dipped Galvanized, Corrugated Wall Ties			
		<small>(04 05 19 16-0090)</small>			
04 05 19 16-0092	EA	7/8" Width, 7" Length, 28 Gauge, Hot-Dipped Galvanized, Corrugated Wall Tie	0.83		
04 05 19 16-0093	EA	7/8" Width, 7" Length, 26 Gauge, Hot-Dipped Galvanized, Corrugated Wall Tie	0.86		
04 05 19 16-0094	EA	7/8" Width, 7" Length, 24 Gauge, Hot-Dipped Galvanized, Corrugated Wall Tie	0.88		
04 05 19 16-0095	EA	7/8" Width, 7" Length, 22 Gauge, Hot-Dipped Galvanized, Corrugated Wall Tie	0.89		
04 05 19 16-0096	EA	7/8" Width, 7" Length, 16 Gauge, Hot-Dipped Galvanized, Corrugated Wall Tie	1.00		
04 05 19 16-0097		Mill Galvanized, Corrugated Wall Ties			
		<small>(04 05 19 16-0090)</small>			
04 05 19 16-0098	EA	7/8" Width, 7" Length, 26 Gauge, Mill Galvanized, Corrugated Wall Tie	0.84		
04 05 19 16-0099	EA	7/8" Width, 7" Length, 24 Gauge, Mill Galvanized, Corrugated Wall Tie	0.85		
04 05 19 16-0100	EA	7/8" Width, 7" Length, 22 Gauge, Mill Galvanized, Corrugated Wall Tie	0.86		
04 05 19 16-0101	EA	7/8" Width, 7" Length, 16 Gauge, Mill Galvanized, Corrugated Wall Tie	0.95		
04 05 19 16-0102		Stainless Steel, Corrugated Wall Ties			
		<small>(04 05 19 16-0090)</small>			
04 05 19 16-0103	EA	7/8" Width, 7" Length, 28 Gauge, Stainless Steel, Corrugated Wall Tie	1.17		
04 05 19 16-0104	EA	7/8" Width, 7" Length, 26 Gauge, Stainless Steel, Corrugated Wall Tie	1.22		
04 05 19 16-0105	EA	7/8" Width, 7" Length, 24 Gauge, Stainless Steel, Corrugated Wall Tie	1.28		
04 05 19 16-0106	EA	7/8" Width, 7" Length, 22 Gauge, Stainless Steel, Corrugated Wall Tie	1.33		
04 05 19 16-0107	EA	7/8" Width, 7" Length, 16 Gauge, Stainless Steel, Corrugated Wall Tie	1.62		
04 05 19 16-0108		Wire Mesh Wall Ties			
		<small>(04 05 19 16)</small>			
		Note: 1/2" square mesh.			
04 05 19 16-0109	EA	3" Width, 8" Length, 16 Gauge, Hot-Dipped Galvanized, Wire Mesh Wall Tie	1.51		
04 05 19 16-0110	EA	3" Width, 12" Length, 16 Gauge, Hot-Dipped Galvanized, Wire Mesh Wall Tie	1.78		
04 05 19 16-0111	EA	6" Width, 8" Length, 16 Gauge, Hot-Dipped Galvanized, Wire Mesh Wall Tie	2.08		
04 05 19 16-0112	EA	6" Width, 12" Length, 16 Gauge, Hot-Dipped Galvanized, Wire Mesh Wall Tie	2.56		
04 05 19 16-0113	EA	10" Width, 8" Length, 16 Gauge, Hot-Dipped Galvanized, Wire Mesh Wall Tie	2.49		
04 05 19 16-0114	EA	10" Width, 12" Length, 16 Gauge, Hot-Dipped Galvanized, Wire Mesh Wall Tie	2.93		



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 16-0115				Triangle Brick Ties <small>(04 05 19 16)</small>		
04 05 19 16-0116				Hot-Dipped Galvanized, Triangle Brick Ties <small>(04 05 19 16-0115)</small>		
04 05 19 16-0117	EA			3" Length, 3/16" Diameter, Hot-Dipped Galvanized, Triangle Brick Tie	1.36	
04 05 19 16-0118	EA			3-1/2" Length, 3/16" Diameter, Hot-Dipped Galvanized, Triangle Brick Tie	1.38	
04 05 19 16-0119	EA			4" Length, 3/16" Diameter, Hot-Dipped Galvanized, Triangle Brick Tie	1.39	
04 05 19 16-0120	EA			4-1/2" Length, 3/16" Diameter, Hot-Dipped Galvanized, Triangle Brick Tie	1.45	
04 05 19 16-0121	EA			5" Length, 3/16" Diameter, Hot-Dipped Galvanized, Triangle Brick Tie	1.47	
04 05 19 16-0122	EA			6" Length, 3/16" Diameter, Hot-Dipped Galvanized, Triangle Brick Tie	1.55	
04 05 19 16-0123	EA			7" Length, 3/16" Diameter, Hot-Dipped Galvanized, Triangle Brick Tie	1.58	
04 05 19 16-0124	EA			9" Length, 3/16" Diameter, Hot-Dipped Galvanized, Triangle Brick Tie	1.67	
04 05 19 16-0125	EA			3" Length, 1/4" Diameter, Hot-Dipped Galvanized, Triangle Brick Tie	1.54	
04 05 19 16-0126	EA			3-1/2" Length, 1/4" Diameter, Hot-Dipped Galvanized, Triangle Brick Tie	1.56	
04 05 19 16-0127	EA			4" Length, 1/4" Diameter, Hot-Dipped Galvanized, Triangle Brick Tie	1.57	
04 05 19 16-0128	EA			4-1/2" Length, 1/4" Diameter, Hot-Dipped Galvanized, Triangle Brick Tie	1.62	
04 05 19 16-0129	EA			5" Length, 1/4" Diameter, Hot-Dipped Galvanized, Triangle Brick Tie	1.64	
04 05 19 16-0130	EA			6" Length, 1/4" Diameter, Hot-Dipped Galvanized, Triangle Brick Tie	1.71	
04 05 19 16-0131	EA			7" Length, 1/4" Diameter, Hot-Dipped Galvanized, Triangle Brick Tie	1.74	
04 05 19 16-0132	EA			9" Length, 1/4" Diameter, Hot-Dipped Galvanized, Triangle Brick Tie	1.83	
04 05 19 16-0133				Mill Galvanized, Triangle Brick Ties <small>(04 05 19 16-0115)</small>		
04 05 19 16-0134	EA			3" Length, 3/16" Diameter, Mill Galvanized, Triangle Brick Tie	1.27	
04 05 19 16-0135	EA			3-1/2" Length, 3/16" Diameter, Mill Galvanized, Triangle Brick Tie	1.27	
04 05 19 16-0136	EA			4" Length, 3/16" Diameter, Mill Galvanized, Triangle Brick Tie	1.28	
04 05 19 16-0137	EA			4-1/2" Length, 3/16" Diameter, Mill Galvanized, Triangle Brick Tie	1.33	
04 05 19 16-0138	EA			5" Length, 3/16" Diameter, Mill Galvanized, Triangle Brick Tie	1.33	
04 05 19 16-0139	EA			6" Length, 3/16" Diameter, Mill Galvanized, Triangle Brick Tie	1.39	
04 05 19 16-0140	EA			7" Length, 3/16" Diameter, Mill Galvanized, Triangle Brick Tie	1.40	
04 05 19 16-0141	EA			9" Length, 3/16" Diameter, Mill Galvanized, Triangle Brick Tie	1.43	
04 05 19 16-0142	EA			3" Length, 1/4" Diameter, Mill Galvanized, Triangle Brick Tie	1.38	
04 05 19 16-0143	EA			3-1/2" Length, 1/4" Diameter, Mill Galvanized, Triangle Brick Tie	1.39	
04 05 19 16-0144	EA			4" Length, 1/4" Diameter, Mill Galvanized, Triangle Brick Tie	1.40	
04 05 19 16-0145	EA			4-1/2" Length, 1/4" Diameter, Mill Galvanized, Triangle Brick Tie	1.45	
04 05 19 16-0146	EA			5" Length, 1/4" Diameter, Mill Galvanized, Triangle Brick Tie	1.46	
04 05 19 16-0147	EA			6" Length, 1/4" Diameter, Mill Galvanized, Triangle Brick Tie	1.52	
04 05 19 16-0148	EA			7" Length, 1/4" Diameter, Mill Galvanized, Triangle Brick Tie	1.54	
04 05 19 16-0149	EA			9" Length, 1/4" Diameter, Mill Galvanized, Triangle Brick Tie	1.59	
04 05 19 16-0150				Seismic Veneer Anchors <small>(04 05 19 16)</small>		
04 05 19 16-0151	EA			3-1/2" Length, 1-1/4" Width, Stainless Steel, Seismic Notch Veneer Anchor	5.28	
				Note: For horizontal wire attachment. Excludes wire.		
04 05 19 16-0152				Slip-Set, Joint Stabilization Anchors <small>(04 05 19 16)</small>		
				Note: For restraining lateral movement at control joints. Field bendable.		
04 05 19 16-0153	EA			9-5/8" Length, 1-5/8" Width, Mill Galvanized, Slip-Set, Joint Stabilization Anchor	3.47	
04 05 19 16-0154	EA			9-5/8" Length, 1-5/8" Width, Hot-Dipped Galvanized, Slip-Set, Joint Stabilization Anchor	3.74	
04 05 19 16-0155	EA			9-5/8" Length, 1-5/8" Width, Stainless Steel, Slip-Set, Joint Stabilization Anchor	5.28	
04 05 19 16-0156				Strap Partition Top Anchors <small>(04 05 19 16)</small>		
04 05 19 16-0157	EA			12 Gauge Strap, 3/8" Rod, Hot-Dipped Galvanized, Partition Top Anchor	2.12	
04 05 19 16-0158	EA			12 Gauge Strap, 3/8" Rod, Stainless Steel, Partition Top Anchor	5.57	
04 05 19 16-0159				Rigid Partition Anchors <small>(04 05 19 16)</small>		
04 05 19 16-0160				Hot-Dipped Galvanized, Rigid Partition Anchors <small>(04 05 19 16-0159)</small>		
04 05 19 16-0161	EA			1" Width, 8" Length, 1/8" Thick, Hot-Dipped Galvanized, U Or Z Style, Rigid Partition Anchor	1.80	
04 05 19 16-0162	EA			1-1/4" Width, 8" Length, 1/8" Thick, Hot-Dipped Galvanized, U Or Z Style, Rigid Partition Anchor	1.92	
04 05 19 16-0163	EA			1-1/2" Width, 8" Length, 1/8" Thick, Hot-Dipped Galvanized, U Or Z Style, Rigid Partition Anchor	2.06	
04 05 19 16-0164	EA			1-3/4" Width, 8" Length, 1/8" Thick, Hot-Dipped Galvanized, U Or Z Style, Rigid Partition Anchor	2.19	
04 05 19 16-0165	EA			2" Width, 8" Length, 1/8" Thick, Hot-Dipped Galvanized, U Or Z Style, Rigid Partition Anchor	2.32	
04 05 19 16-0166	EA			2-1/4" Width, 8" Length, 1/8" Thick, Hot-Dipped Galvanized, U Or Z Style, Rigid Partition Anchor	2.45	
04 05 19 16-0167	EA			1" Width, 8" Length, 1/4" Thick, Hot-Dipped Galvanized, U Or Z Style, Rigid Partition Anchor	2.32	
04 05 19 16-0168	EA			1-1/4" Width, 8" Length, 1/4" Thick, Hot-Dipped Galvanized, U Or Z Style, Rigid Partition Anchor	2.73	
04 05 19 16-0169	EA			1-1/2" Width, 8" Length, 1/4" Thick, Hot-Dipped Galvanized, U Or Z Style, Rigid Partition Anchor	3.14	
04 05 19 16-0170	EA			1-3/4" Width, 8" Length, 1/4" Thick, Hot-Dipped Galvanized, U Or Z Style, Rigid Partition Anchor	3.56	
04 05 19 16-0171	EA			2" Width, 8" Length, 1/4" Thick, Hot-Dipped Galvanized, U Or Z Style, Rigid Partition Anchor	3.97	
04 05 19 16-0172	EA			2-1/4" Width, 8" Length, 1/4" Thick, Hot-Dipped Galvanized, U Or Z Style, Rigid Partition Anchor	4.38	
04 05 19 16-0173				Mill Galvanized, Rigid Partition Anchors <small>(04 05 19 16-0159)</small>		
04 05 19 16-0174	EA			1" Width, 8" Length, 1/8" Thick, Mill Galvanized, U Or Z Style, Rigid Partition Anchor	1.69	
04 05 19 16-0175	EA			1-1/4" Width, 8" Length, 1/8" Thick, Mill Galvanized, U Or Z Style, Rigid Partition Anchor	1.79	
04 05 19 16-0176	EA			1-1/2" Width, 8" Length, 1/8" Thick, Mill Galvanized, U Or Z Style, Rigid Partition Anchor	1.89	
04 05 19 16-0177	EA			1-3/4" Width, 8" Length, 1/8" Thick, Mill Galvanized, U Or Z Style, Rigid Partition Anchor	1.99	
04 05 19 16-0178	EA			2" Width, 8" Length, 1/8" Thick, Mill Galvanized, U Or Z Style, Rigid Partition Anchor	2.09	

04 Masonry**04 05 Common Work Results For Masonry****04 05 19 Masonry Anchorage And Reinforcing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 16-0179	EA		2-1/4" Width, 8" Length, 1/8" Thick, Mill Galvanized, U Or Z Style, Rigid Partition Anchor.....	2.19	
04 05 19 16-0180			Screw-On Masonry Veneer Anchor Plates (04 05 19 16)		
04 05 19 16-0181	EA		12 Gauge, Hot-Dipped Galvanized, Screw-On Masonry Veneer Anchor Plate.....	1.18	
04 05 19 16-0182	EA		14 Gauge, Hot-Dipped Galvanized, Screw-On Masonry Veneer Anchor Plate.....	1.22	
04 05 19 16-0183			Wire Column Ties (04 05 19 16)		
04 05 19 16-0184			Hot-Dipped Galvanized, Wire Column Ties (04 05 19 16-0183)		
04 05 19 16-0185	EA		3" Length, 3/16" Diameter, Hot-Dipped Galvanized, Wire Column Tie.....	1.35	
04 05 19 16-0186	EA		5" Length, 3/16" Diameter, Hot-Dipped Galvanized, Wire Column Tie.....	1.42	
04 05 19 16-0187	EA		7" Length, 3/16" Diameter, Hot-Dipped Galvanized, Wire Column Tie.....	1.47	
04 05 19 16-0188	EA		9" Length, 3/16" Diameter, Hot-Dipped Galvanized, Wire Column Tie.....	1.54	
04 05 19 16-0189	EA		10" Length, 3/16" Diameter, Hot-Dipped Galvanized, Wire Column Tie.....	1.41	
04 05 19 16-0190	EA		12" Length, 3/16" Diameter, Hot-Dipped Galvanized, Wire Column Tie.....	1.47	
04 05 19 16-0191	EA		14" Length, 3/16" Diameter, Hot-Dipped Galvanized, Wire Column Tie.....	1.52	
04 05 19 16-0192	EA		16" Length, 3/16" Diameter, Hot-Dipped Galvanized, Wire Column Tie.....	1.56	
04 05 19 16-0193	EA		3" Length, 1/4" Diameter, Hot-Dipped Galvanized, Wire Column Tie.....	1.72	
04 05 19 16-0194	EA		5" Length, 1/4" Diameter, Hot-Dipped Galvanized, Wire Column Tie.....	1.84	
04 05 19 16-0195	EA		7" Length, 1/4" Diameter, Hot-Dipped Galvanized, Wire Column Tie.....	1.91	
04 05 19 16-0196	EA		9" Length, 1/4" Diameter, Hot-Dipped Galvanized, Wire Column Tie.....	2.02	
04 05 19 16-0197	EA		10" Length, 1/4" Diameter, Hot-Dipped Galvanized, Wire Column Tie.....	1.84	
04 05 19 16-0198	EA		12" Length, 1/4" Diameter, Hot-Dipped Galvanized, Wire Column Tie.....	1.91	
04 05 19 16-0199	EA		14" Length, 1/4" Diameter, Hot-Dipped Galvanized, Wire Column Tie.....	1.98	
04 05 19 16-0200	EA		16" Length, 1/4" Diameter, Hot-Dipped Galvanized, Wire Column Tie.....	2.06	
04 05 19 16-0201			Mill Galvanized, Wire Column Ties (04 05 19 16-0183)		
04 05 19 16-0202	EA		3" Length, 3/16" Diameter, Mill Galvanized, Wire Column Tie.....	1.23	
04 05 19 16-0203	EA		5" Length, 3/16" Diameter, Mill Galvanized, Wire Column Tie.....	1.28	
04 05 19 16-0204	EA		7" Length, 3/16" Diameter, Mill Galvanized, Wire Column Tie.....	1.30	
04 05 19 16-0205	EA		9" Length, 3/16" Diameter, Mill Galvanized, Wire Column Tie.....	1.35	
04 05 19 16-0206	EA		10" Length, 3/16" Diameter, Mill Galvanized, Wire Column Tie.....	1.25	
04 05 19 16-0207	EA		12" Length, 3/16" Diameter, Mill Galvanized, Wire Column Tie.....	1.29	
04 05 19 16-0208	EA		14" Length, 3/16" Diameter, Mill Galvanized, Wire Column Tie.....	1.32	
04 05 19 16-0209	EA		16" Length, 3/16" Diameter, Mill Galvanized, Wire Column Tie.....	1.35	
04 05 19 16-0210	EA		3" Length, 1/4" Diameter, Mill Galvanized, Wire Column Tie.....	1.50	
04 05 19 16-0211	EA		5" Length, 1/4" Diameter, Mill Galvanized, Wire Column Tie.....	1.58	
04 05 19 16-0212	EA		7" Length, 1/4" Diameter, Mill Galvanized, Wire Column Tie.....	1.61	
04 05 19 16-0213	EA		9" Length, 1/4" Diameter, Mill Galvanized, Wire Column Tie.....	1.69	
04 05 19 16-0214	EA		10" Length, 1/4" Diameter, Mill Galvanized, Wire Column Tie.....	1.47	
04 05 19 16-0215	EA		12" Length, 1/4" Diameter, Mill Galvanized, Wire Column Tie.....	1.59	
04 05 19 16-0216	EA		14" Length, 1/4" Diameter, Mill Galvanized, Wire Column Tie.....	1.65	
04 05 19 16-0217	EA		16" Length, 1/4" Diameter, Mill Galvanized, Wire Column Tie.....	1.69	
04 05 19 16-0218			Dovetail Anchors, Slots And Ties (04 05 19 16)		
04 05 19 16-0219			Dovetail Anchor Slots (04 05 19 16-0218)		
04 05 19 16-0220			Hot-Dipped Galvanized, Dovetail Anchor Slot (04 05 19 16-0219)		
04 05 19 16-0221	LF		24 Gauge, Hot-Dipped Galvanized, Dovetail Anchor Slot.....	2.94	
04 05 19 16-0222	LF		22 Gauge, Hot-Dipped Galvanized, Dovetail Anchor Slot.....	3.14	
04 05 19 16-0223	LF		20 Gauge, Hot-Dipped Galvanized, Dovetail Anchor Slot.....	3.25	
04 05 19 16-0224	LF		18 Gauge, Hot-Dipped Galvanized, Dovetail Anchor Slot.....	3.31	
04 05 19 16-0225	LF		16 Gauge, Hot-Dipped Galvanized, Dovetail Anchor Slot.....	3.45	
04 05 19 16-0226			Mill Galvanized, Dovetail Anchor Slot (04 05 19 16-0219)		
04 05 19 16-0227	LF		24 Gauge, Mill Galvanized, Dovetail Anchor Slot.....	2.53	
04 05 19 16-0228	LF		22 Gauge, Mill Galvanized, Dovetail Anchor Slot.....	2.79	
04 05 19 16-0229	LF		20 Gauge, Mill Galvanized, Dovetail Anchor Slot.....	2.85	
04 05 19 16-0230	LF		18 Gauge, Mill Galvanized, Dovetail Anchor Slot.....	2.94	
04 05 19 16-0231	LF		16 Gauge, Mill Galvanized, Dovetail Anchor Slot.....	2.99	
04 05 19 16-0232			304 Stainless Steel, Dovetail Anchor Slot (04 05 19 16-0219)		
04 05 19 16-0233	LF		24 Gauge, 304 Stainless Steel, Dovetail Anchor Slot.....	3.36	
04 05 19 16-0234	LF		22 Gauge, 304 Stainless Steel, Dovetail Anchor Slot.....	3.74	
04 05 19 16-0235	LF		20 Gauge, 304 Stainless Steel, Dovetail Anchor Slot.....	3.87	
04 05 19 16-0236	LF		18 Gauge, 304 Stainless Steel, Dovetail Anchor Slot.....	4.30	
04 05 19 16-0237	LF		16 Gauge, 304 Stainless Steel, Dovetail Anchor Slot.....	4.72	
04 05 19 16-0238			316 Stainless Steel, Dovetail Anchor Slot (04 05 19 16-0219)		
04 05 19 16-0239	LF		24 Gauge, 316 Stainless Steel, Dovetail Anchor Slot.....	3.66	
04 05 19 16-0240	LF		22 Gauge, 316 Stainless Steel, Dovetail Anchor Slot.....	3.95	
04 05 19 16-0241	LF		20 Gauge, 316 Stainless Steel, Dovetail Anchor Slot.....	4.24	
04 05 19 16-0242	LF		18 Gauge, 316 Stainless Steel, Dovetail Anchor Slot.....	4.61	



			DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 16-0243	LF		16 Gauge, 316 Stainless Steel, Dovetail Anchor Slot.....	4.83	
04 05 19 16-0244 Dovetail Corrugated Brick Ties (04 05 19 16-0218)					
04 05 19 16-0245 Hot-Dipped Galvanized, Dovetail Corrugated Brick Tie (04 05 19 16-0244)					
04 05 19 16-0246	EA	3-1/2"	Length, 1" Width, 16 Gauge, Hot-Dipped Galvanized, Dovetail Corrugated Brick Tie.....	1.03	
04 05 19 16-0247	EA	5-1/2"	Length, 1" Width, 16 Gauge, Hot-Dipped Galvanized, Dovetail Corrugated Brick Tie.....	1.09	
04 05 19 16-0248	EA	7-1/2"	Length, 1" Width, 16 Gauge, Hot-Dipped Galvanized, Dovetail Corrugated Brick Tie.....	1.16	
04 05 19 16-0249	EA	3-1/2"	Length, 1" Width, 14 Gauge, Hot-Dipped Galvanized, Dovetail Corrugated Brick Tie.....	1.04	
04 05 19 16-0250	EA	5-1/2"	Length, 1" Width, 14 Gauge, Hot-Dipped Galvanized, Dovetail Corrugated Brick Tie.....	1.17	
04 05 19 16-0251	EA	7-1/2"	Length, 1" Width, 14 Gauge, Hot-Dipped Galvanized, Dovetail Corrugated Brick Tie.....	1.26	
04 05 19 16-0252	EA	3-1/2"	Length, 1" Width, 12 Gauge, Hot-Dipped Galvanized, Dovetail Corrugated Brick Tie.....	1.08	
04 05 19 16-0253	EA	5-1/2"	Length, 1" Width, 12 Gauge, Hot-Dipped Galvanized, Dovetail Corrugated Brick Tie.....	1.16	
04 05 19 16-0254	EA	7-1/2"	Length, 1" Width, 12 Gauge, Hot-Dipped Galvanized, Dovetail Corrugated Brick Tie.....	1.24	
04 05 19 16-0255 Mill Galvanized, Dovetail Corrugated Brick Tie (04 05 19 16-0244)					
04 05 19 16-0256	EA	3-1/2"	Length, 1" Width, 16 Gauge, Mill Galvanized, Dovetail Corrugated Brick Tie.....	0.97	
04 05 19 16-0257	EA	5-1/2"	Length, 1" Width, 16 Gauge, Mill Galvanized, Dovetail Corrugated Brick Tie.....	1.01	
04 05 19 16-0258	EA	7-1/2"	Length, 1" Width, 16 Gauge, Mill Galvanized, Dovetail Corrugated Brick Tie.....	1.05	
04 05 19 16-0259	EA	3-1/2"	Length, 1" Width, 14 Gauge, Mill Galvanized, Dovetail Corrugated Brick Tie.....	1.00	
04 05 19 16-0260	EA	5-1/2"	Length, 1" Width, 14 Gauge, Mill Galvanized, Dovetail Corrugated Brick Tie.....	1.08	
04 05 19 16-0261	EA	7-1/2"	Length, 1" Width, 14 Gauge, Mill Galvanized, Dovetail Corrugated Brick Tie.....	1.15	
04 05 19 16-0262	EA	3-1/2"	Length, 1" Width, 12 Gauge, Mill Galvanized, Dovetail Corrugated Brick Tie.....	1.01	
04 05 19 16-0263	EA	5-1/2"	Length, 1" Width, 12 Gauge, Mill Galvanized, Dovetail Corrugated Brick Tie.....	1.11	
04 05 19 16-0264	EA	7-1/2"	Length, 1" Width, 12 Gauge, Mill Galvanized, Dovetail Corrugated Brick Tie.....	1.18	
04 05 19 16-0265 Dovetail Stone Anchors (04 05 19 16-0218)					
04 05 19 16-0266 Hot-Dipped Galvanized, Dovetail Stone Anchors (04 05 19 16-0265)					
04 05 19 16-0267	EA	3-1/2"	Length, 1" Width, 16 Gauge, Hot-Dipped Galvanized, Dovetail Stone Anchor.....	1.17	
04 05 19 16-0268	EA	5-1/2"	Length, 1" Width, 16 Gauge, Hot-Dipped Galvanized, Dovetail Stone Anchor.....	1.23	
04 05 19 16-0269	EA	7-1/2"	Length, 1" Width, 16 Gauge, Hot-Dipped Galvanized, Dovetail Stone Anchor.....	1.30	
04 05 19 16-0270 Dovetail Partition Top Anchors (04 05 19 16-0218)					
04 05 19 16-0271	EA	3/8"	Rod, Hot-Dipped Galvanized, Dovetail Partition Top Anchor.....	2.24	
04 05 19 16-0272	EA	3/8"	Rod, Stainless Steel, Dovetail Partition Top Anchor.....	5.97	
04 05 19 16-0273 Dovetail Flexible Triangle Brick Ties (04 05 19 16-0218)					
04 05 19 16-0274 Hot-Dipped Galvanized, Dovetail Flexible Triangle Brick Ties (04 05 19 16-0273)					
04 05 19 16-0275	EA	3"	Length, 3/16" Diameter, Hot-Dipped Galvanized, Dovetail Flexible Triangle Brick Tie.....	1.67	
04 05 19 16-0276	EA	5"	Length, 3/16" Diameter, Hot-Dipped Galvanized, Dovetail Flexible Triangle Brick Tie.....	1.76	
04 05 19 16-0277	EA	7"	Length, 3/16" Diameter, Hot-Dipped Galvanized, Dovetail Flexible Triangle Brick Tie.....	1.82	
04 05 19 16-0278	EA	9"	Length, 3/16" Diameter, Hot-Dipped Galvanized, Dovetail Flexible Triangle Brick Tie.....	1.88	
04 05 19 16-0279 Mill Galvanized, Dovetail Flexible Triangle Brick Ties (04 05 19 16-0273)					
04 05 19 16-0280	EA	3"	Length, 3/16" Diameter, Mill Galvanized, Dovetail Flexible Triangle Brick Tie.....	1.55	
04 05 19 16-0281	EA	5"	Length, 3/16" Diameter, Mill Galvanized, Dovetail Flexible Triangle Brick Tie.....	1.56	
04 05 19 16-0282	EA	7"	Length, 3/16" Diameter, Mill Galvanized, Dovetail Flexible Triangle Brick Tie.....	1.59	
04 05 19 16-0283	EA	9"	Length, 3/16" Diameter, Mill Galvanized, Dovetail Flexible Triangle Brick Tie.....	1.69	
04 05 19 16-0284 Dowel Or Hairpin, Drill And Epoxy Into Brick (04 05 19 16)					
04 05 19 16-0285	EA		Dowels Or Hairpin, 1/2" x 30" L, Drill And Epoxy In Brick.....	20.84	
04 05 19 16-0286	EA		Dowels Or Hairpin, 1/2" x 36" L, Drill And Epoxy In Brick.....	21.69	
04 05 19 26 Masonry Reinforcing Bars (04 05 19)					
Note: Includes cutting and bending.					
04 05 19 26-0001 Plain Steel Masonry Reinforcement Bar (04 05 19 26)					
04 05 19 26-0002	LF	#3,	Grade 40, Horizontal Placed, Steel Masonry Reinforcement Bar.....	0.74	
04 05 19 26-0003	LF	#4,	Grade 40, Horizontal Placed, Steel Masonry Reinforcement Bar.....	1.20	
04 05 19 26-0004	LF	#5,	Grade 40, Horizontal Placed, Steel Masonry Reinforcement Bar.....	1.69	
04 05 19 26-0005	LF	#6,	Grade 40, Horizontal Placed, Steel Masonry Reinforcement Bar.....	2.20	
04 05 19 26-0006	LF	#3,	Grade 50, Horizontal Placed, Steel Masonry Reinforcement Bar.....	0.75	
04 05 19 26-0007	LF	#4,	Grade 50, Horizontal Placed, Steel Masonry Reinforcement Bar.....	1.22	
04 05 19 26-0008	LF	#5,	Grade 50, Horizontal Placed, Steel Masonry Reinforcement Bar.....	1.72	
04 05 19 26-0009	LF	#6,	Grade 50, Horizontal Placed, Steel Masonry Reinforcement Bar.....	2.24	
04 05 19 26-0010	LF	#3,	Grade 40, Vertical Placed, Steel Masonry Reinforcement Bar.....	0.89	
04 05 19 26-0011	LF	#4,	Grade 40, Vertical Placed, Steel Masonry Reinforcement Bar.....	1.42	
04 05 19 26-0012	LF	#5,	Grade 40, Vertical Placed, Steel Masonry Reinforcement Bar.....	2.00	
04 05 19 26-0013	LF	#6,	Grade 40, Vertical Placed, Steel Masonry Reinforcement Bar.....	2.57	
04 05 19 26-0014	LF	#3,	Grade 50, Vertical Placed, Steel Masonry Reinforcement Bar.....	0.90	
04 05 19 26-0015	LF	#4,	Grade 50, Vertical Placed, Steel Masonry Reinforcement Bar.....	1.44	

04 Masonry**04 05 Common Work Results For Masonry****04 05 19 Masonry Anchorage And Reinforcing**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 26-0016 LF #5, Grade 50, Vertical Placed, Steel Masonry Reinforcement Bar.....	2.03	
04 05 19 26-0017 LF #6, Grade 50, Vertical Placed, Steel Masonry Reinforcement Bar.....	2.61	
04 05 19 26-0018 Galvanized Steel Masonry Reinforcement Bar (04 05 19 26)		
04 05 19 26-0019 LF #3, Grade 40, Horizontal Placed, Galvanized Steel Masonry Reinforcement Bar.....	0.83	
04 05 19 26-0020 LF #4, Grade 40, Horizontal Placed, Galvanized Steel Masonry Reinforcement Bar.....	1.37	
04 05 19 26-0021 LF #5, Grade 40, Horizontal Placed, Galvanized Steel Masonry Reinforcement Bar.....	1.95	
04 05 19 26-0022 LF #6, Grade 40, Horizontal Placed, Galvanized Steel Masonry Reinforcement Bar.....	2.57	
04 05 19 26-0023 LF #3, Grade 50, Horizontal Placed, Galvanized Steel Masonry Reinforcement Bar.....	0.84	
04 05 19 26-0024 LF #4, Grade 50, Horizontal Placed, Galvanized Steel Masonry Reinforcement Bar.....	1.38	
04 05 19 26-0025 LF #5, Grade 50, Horizontal Placed, Galvanized Steel Masonry Reinforcement Bar.....	1.98	
04 05 19 26-0026 LF #6, Grade 50, Horizontal Placed, Galvanized Steel Masonry Reinforcement Bar.....	2.61	
04 05 19 26-0027 LF #3, Grade 40, Vertical Placed, Galvanized Steel Masonry Reinforcement Bar.....	0.98	
04 05 19 26-0028 LF #4, Grade 40, Vertical Placed, Galvanized Steel Masonry Reinforcement Bar.....	1.59	
04 05 19 26-0029 LF #5, Grade 40, Vertical Placed, Galvanized Steel Masonry Reinforcement Bar.....	2.26	
04 05 19 26-0030 LF #6, Grade 40, Vertical Placed, Galvanized Steel Masonry Reinforcement Bar.....	2.94	
04 05 19 26-0031 LF #3, Grade 50, Vertical Placed, Galvanized Steel Masonry Reinforcement Bar.....	0.99	
04 05 19 26-0032 LF #4, Grade 50, Vertical Placed, Galvanized Steel Masonry Reinforcement Bar.....	1.60	
04 05 19 26-0033 LF #5, Grade 50, Vertical Placed, Galvanized Steel Masonry Reinforcement Bar.....	2.29	
04 05 19 26-0034 LF #6, Grade 50, Vertical Placed, Galvanized Steel Masonry Reinforcement Bar.....	2.98	
04 05 19 26-0035 Epoxy-Coated Masonry Reinforcement Bar (04 05 19 26)		
04 05 19 26-0036 LF #3, Grade 40, Horizontal Placed, Epoxy-Coated Masonry Reinforcement Bar.....	0.82	
04 05 19 26-0037 LF #4, Grade 40, Horizontal Placed, Epoxy-Coated Masonry Reinforcement Bar.....	1.35	
04 05 19 26-0038 LF #5, Grade 40, Horizontal Placed, Epoxy-Coated Masonry Reinforcement Bar.....	1.92	
04 05 19 26-0039 LF #6, Grade 40, Horizontal Placed, Epoxy-Coated Masonry Reinforcement Bar.....	2.53	
04 05 19 26-0040 LF #3, Grade 50, Horizontal Placed, Epoxy-Coated Masonry Reinforcement Bar.....	0.83	
04 05 19 26-0041 LF #4, Grade 50, Horizontal Placed, Epoxy-Coated Masonry Reinforcement Bar.....	1.36	
04 05 19 26-0042 LF #5, Grade 50, Horizontal Placed, Epoxy-Coated Masonry Reinforcement Bar.....	1.95	
04 05 19 26-0043 LF #6, Grade 50, Horizontal Placed, Epoxy-Coated Masonry Reinforcement Bar.....	2.57	
04 05 19 26-0044 LF #3, Grade 40, Vertical Placed, Epoxy-Coated Masonry Reinforcement Bar.....	0.97	
04 05 19 26-0045 LF #4, Grade 40, Vertical Placed, Epoxy-Coated Masonry Reinforcement Bar.....	1.57	
04 05 19 26-0046 LF #5, Grade 40, Vertical Placed, Epoxy-Coated Masonry Reinforcement Bar.....	2.23	
04 05 19 26-0047 LF #6, Grade 40, Vertical Placed, Epoxy-Coated Masonry Reinforcement Bar.....	2.90	
04 05 19 26-0048 LF #3, Grade 50, Vertical Placed, Epoxy-Coated Masonry Reinforcement Bar.....	0.98	
04 05 19 26-0049 LF #4, Grade 50, Vertical Placed, Epoxy-Coated Masonry Reinforcement Bar.....	1.58	
04 05 19 26-0050 LF #5, Grade 50, Vertical Placed, Epoxy-Coated Masonry Reinforcement Bar.....	2.26	
04 05 19 26-0051 LF #6, Grade 50, Vertical Placed, Epoxy-Coated Masonry Reinforcement Bar.....	2.94	
04 05 23 Masonry Accessories (04 05)		
04 05 23 13 Masonry Control And Expansion Joints (04 05 23)		
04 05 23 13-0001 Masonry Control Joints (04 05 23 13)		
04 05 23 13-0002 Rubber, Masonry Control Joints (04 05 23 13-0001)		
04 05 23 13-0003 LF 1-5/8" Width, T-Style, Rubber, Masonry Control Joint.....	3.82	0.81
04 05 23 13-0004 LF 2-5/8" Width, Rubber, Masonry Control Joint.....	3.74	0.81
04 05 23 13-0005 LF 6-7/8" Width, Rubber, Masonry Control Joint.....	7.35	0.81
04 05 23 13-0006 Polyvinyl Chloride (PVC), Masonry Control Joints (04 05 23 13-0001)		
04 05 23 13-0007 LF 1-5/8" Width, T-Style, Polyvinyl Chloride (PVC), Masonry Control Joint.....	2.65	0.81
04 05 23 13-0008 LF 2-5/8" Width, Polyvinyl Chloride (PVC), Masonry Control Joint.....	2.72	0.81
04 05 23 13-0009 LF 4-7/8" Width, Polyvinyl Chloride (PVC), Masonry Control Joint.....	3.43	0.81
04 05 23 13-0010 LF 6-7/8" Width, Polyvinyl Chloride (PVC), Masonry Control Joint.....	3.84	0.81
04 05 23 13-0011 LF 11-1/8" Width, Polyvinyl Chloride (PVC), Masonry Control Joint.....	3.69	0.81
04 05 23 16 Masonry Embedded Flashing (04 05 23)		
04 05 23 16-0001 Lead Coated Copper Through Wall Flashing (04 05 23 16)		
04 05 23 16-0002 Mastic Backed 2 Sides, Lead Coated Copper Through Wall Flashing (04 05 23 16-0001)		
04 05 23 16-0003 SF 2 Ounce, Mastic Backed 2 Sides, Lead Coated Copper Through Wall Flashing.....	5.92	1.73
04 05 23 16-0004 SF 3 Ounce, Mastic Backed 2 Sides, Lead Coated Copper Through Wall Flashing.....	6.36	1.73
04 05 23 16-0005 SF 5 Ounce, Mastic Backed 2 Sides, Lead Coated Copper Through Wall Flashing.....	7.56	1.73
04 05 23 16-0006 SF 7 Ounce, Mastic Backed 2 Sides, Lead Coated Copper Through Wall Flashing.....	8.62	1.73
04 05 23 16-0007 Fabric Backed 2 Sides, Lead Coated Copper Through Wall Flashing (04 05 23 16-0001)		
04 05 23 16-0008 SF 2 Ounce, Fabric Backed 2 Sides, Lead Coated Copper Through Wall Flashing.....	6.34	1.73
04 05 23 16-0009 SF 3 Ounce, Fabric Backed 2 Sides, Lead Coated Copper Through Wall Flashing.....	6.73	1.73
04 05 23 16-0010 SF 5 Ounce, Fabric Backed 2 Sides, Lead Coated Copper Through Wall Flashing.....	8.12	1.73
04 05 23 16-0011 SF 7 Ounce, Fabric Backed 2 Sides, Lead Coated Copper Through Wall Flashing.....	9.40	1.73



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 23 16-0012 Paper Backed 2 Sides, Lead Coated Copper Through Wall Flashing <small>(04 05 23 16-0001)</small>		
04 05 23 16-0013 SF 2 Ounce, Paper Backed 2 Sides, Lead Coated Copper Through Wall Flashing.....	6.02	1.73
04 05 23 16-0014 SF 3 Ounce, Paper Backed 2 Sides, Lead Coated Copper Through Wall Flashing.....	6.56	1.73
04 05 23 16-0015 SF 5 Ounce, Paper Backed 2 Sides, Lead Coated Copper Through Wall Flashing.....	7.34	1.73
04 05 23 16-0016 SF 7 Ounce, Paper Backed 2 Sides, Lead Coated Copper Through Wall Flashing.....	8.97	1.73
04 05 23 16-0017 Copper Through Wall Flashing <small>(04 05 23 16)</small>		
04 05 23 16-0018 2 Sides Coated With Asphalt, Thru-Wall Copper Flashing <small>(04 05 23 16-0017)</small>		
04 05 23 16-0019 SF 2 Ounce, 2 Sides Coated With Asphalt, Thru-Wall Copper Flashing.....	5.27	1.61
04 05 23 16-0020 SF 3 Ounce, 2 Sides Coated With Asphalt, Thru-Wall Copper Flashing.....	5.59	1.61
04 05 23 16-0021 SF 5 Ounce, 2 Sides Coated With Asphalt, Thru-Wall Copper Flashing.....	6.47	1.61
04 05 23 16-0022 SF 7 Ounce, 2 Sides Coated With Asphalt, Thru-Wall Copper Flashing.....	7.25	1.61
04 05 23 16-0023 SF 10 Ounce, 2 Sides Coated With Asphalt, Thru-Wall Copper Flashing.....	7.58	1.61
04 05 23 16-0024 2 Sides Glass Fabric And Asphalt, Thru-Wall Copper Flashing <small>(04 05 23 16-0017)</small>		
04 05 23 16-0025 SF 2 Ounce, 2 Sides Glass Fabric And Asphalt, Thru-Wall Copper Flashing.....	5.58	1.61
04 05 23 16-0026 SF 3 Ounce, 2 Sides Glass Fabric And Asphalt, Thru-Wall Copper Flashing.....	5.87	1.61
04 05 23 16-0027 SF 5 Ounce, 2 Sides Glass Fabric And Asphalt, Thru-Wall Copper Flashing.....	6.89	1.61
04 05 23 16-0028 SF 7 Ounce, 2 Sides Glass Fabric And Asphalt, Thru-Wall Copper Flashing.....	7.82	1.61
04 05 23 16-0029 SF 10 Ounce, 2 Sides Glass Fabric And Asphalt, Thru-Wall Copper Flashing.....	8.37	1.61
04 05 23 16-0030 1 Side Kraft Paper And Asphalt, Thru-Wall Copper Flashing <small>(04 05 23 16-0017)</small>		
04 05 23 16-0031 SF 2 Ounce, 1 Side Kraft Paper And Asphalt, Thru-Wall Copper Flashing.....	5.30	1.61
04 05 23 16-0032 SF 3 Ounce, 1 Side Kraft Paper And Asphalt, Thru-Wall Copper Flashing.....	5.63	1.61
04 05 23 16-0033 SF 5 Ounce, 1 Side Kraft Paper And Asphalt, Thru-Wall Copper Flashing.....	6.51	1.61
04 05 23 16-0034 SF 7 Ounce, 1 Side Kraft Paper And Asphalt, Thru-Wall Copper Flashing.....	7.28	1.61
04 05 23 16-0035 SF 10 Ounce, 1 Side Kraft Paper And Asphalt, Thru-Wall Copper Flashing.....	7.61	1.61
04 05 23 16-0036 2 Sides Kraft Paper And Asphalt, Thru-Wall Copper Flashing <small>(04 05 23 16-0017)</small>		
04 05 23 16-0037 SF 2 Ounce, 2 Sides Kraft Paper And Asphalt, Thru-Wall Copper Flashing.....	5.35	1.61
04 05 23 16-0038 SF 3 Ounce, 2 Sides Kraft Paper And Asphalt, Thru-Wall Copper Flashing.....	5.74	1.61
04 05 23 16-0039 SF 5 Ounce, 2 Sides Kraft Paper And Asphalt, Thru-Wall Copper Flashing.....	6.31	1.61
04 05 23 16-0040 SF 7 Ounce, 2 Sides Kraft Paper And Asphalt, Thru-Wall Copper Flashing.....	7.51	1.61
04 05 23 16-0041 SF 10 Ounce, 2 Sides Kraft Paper And Asphalt, Thru-Wall Copper Flashing.....	6.94	1.61
04 05 23 16-0042 2 Sides Kraft Paper Reinforced With Glass Fabric And Asphalt, Thru-Wall Copper Flashing <small>(04 05 23 16-0017)</small>		
04 05 23 16-0043 SF 3 Ounce, 2 Sides Kraft Paper Reinforced With Glass Fabric And Asphalt, Thru-Wall Copper Flashing.....	6.65	1.61
04 05 23 16-0044 SF 5 Ounce, 2 Sides Kraft Paper Reinforced With Glass Fabric And Asphalt, Thru-Wall Copper Flashing.....	7.83	1.61
04 05 23 16-0045 2 Sides Glass Fabric, Thru-Wall Copper Flashing <small>(04 05 23 16-0017)</small>		
Note: Glass fabric is bonded to both sides with a non-asphaltic adhesive.		
04 05 23 16-0046 SF 3 Ounce, 2 Sides Glass Fabric, Thru-Wall Copper Flashing.....	5.97	1.61
04 05 23 16-0047 SF 5 Ounce, 2 Sides Glass Fabric, Thru-Wall Copper Flashing.....	7.02	1.61
04 05 23 16-0048 Stainless Steel Through Wall Flashing <small>(04 05 23 16)</small>		
04 05 23 16-0049 Paper Backed 2 Sides, Stainless Steel Through Wall Flashing <small>(04 05 23 16-0048)</small>		
04 05 23 16-0050 SF 0.005" Thick Paper Backed 2 Sides, Stainless Steel Through Wall Flashing.....	6.34	1.61
04 05 23 16-0051 Polyvinyl Chloride (PVC) Through Wall Flashing <small>(04 05 23 16)</small>		
04 05 23 16-0052 SF 0.010" Thick Black Polyvinyl Chloride (PVC) Through Wall Flashing.....	2.82	1.23
04 05 23 16-0053 SF 0.020" Thick Black Polyvinyl Chloride (PVC) Through Wall Flashing.....	2.92	1.23
04 05 23 16-0054 SF 0.030" Thick Black Polyvinyl Chloride (PVC) Through Wall Flashing.....	3.03	1.23
04 05 23 16-0055 SF 0.056" Thick Black Polyvinyl Chloride (PVC) Through Wall Flashing.....	3.40	1.23
04 05 23 19 Masonry Cavity Drainage, Weepholes, And Vents <small>(04 05 23)</small>		
04 05 23 19-0001 Brick Vents, 4" Deep, With Insect Screen <small>(04 05 23 19)</small>		
Note: 0.100" nominal wall thickness, three mortar ribs on top and bottom of frame.		
04 05 23 19-0002 EA 8-1/8" x 2-3/8" Aluminum Brick Vent.....	48.00	
04 05 23 19-0003 EA 8-1/8" x 4-3/4" Aluminum Brick Vent.....	59.31	
04 05 23 19-0004 EA 8-1/8" x 7-3/4" Aluminum Brick Vent.....	74.37	
04 05 23 19-0005 EA 12" x 2-3/8" Aluminum Brick Vent.....	57.84	
04 05 23 19-0006 EA 12" x 4-3/4" Aluminum Brick Vent.....	71.16	
04 05 23 19-0007 EA 12" x 7-3/4" Aluminum Brick Vent.....	89.51	
04 05 23 19-0008 EA 16-1/2" x 2-3/8" Aluminum Brick Vent.....	67.79	
04 05 23 19-0009 EA 16-1/2" x 4-3/4" Aluminum Brick Vent.....	91.04	
04 05 23 19-0010 EA 16-1/2" x 7-3/4" Aluminum Brick Vent.....	110.37	

04 Masonry**04 05 Common Work Results For Masonry****04 05 23 Masonry Accessories**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

04 05 23 19-0011	EA	24" x 2-3/8" Aluminum Brick Vent	90.41
04 05 23 19-0012	EA	24" x 4-3/4" Aluminum Brick Vent	117.42
04 05 23 19-0013	EA	24" x 7-3/4" Aluminum Brick Vent	143.41

04 05 26 Masonry Scaffolding (04 05)

Note: Costs based on one use per month. For use with unit masonry construction only. Height shown in tasks is for height of work. Includes assembly and disassembly of scaffolding.

04 05 26 00-0001 Masonry Scaffolding Usage (04 05 26)

Note: Total square foot of area is determined by the square foot of wall area at which scaffolding is required, above the established 4' working height limit. Scaffolding is complete with bracing, 2" thick x 12" wide scaffolding planks, scaffolding stairs (where necessary in lieu of planks), standard accessories, base leveling devices, mud sills, climbing ladders and landings, brackets, clamps and building ties, etc.

04 05 26 00-0002	CSF	Exterior Building Scaffolding, 1 To 5 Story, Tubular Steel, Based On 1 Use/Month	370.23
		<i>For Each Additional Month Of Usage, Add</i>	96.81
		<i>For Additional Erection And Dismantling Of Scaffolding, Add</i>	273.42
04 05 26 00-0003	CSF	Exterior Building Scaffolding, 6 To 12 Story, Tubular Steel, Based On 1 Use/Month	468.06
		<i>For Each Additional Month Of Usage, Add</i>	88.45
		<i>For Additional Erection And Dismantling Of Scaffolding, Add</i>	379.61
04 05 26 00-0004	CSF	Interior Scaffolding Wall, Up To 16' Tubular Steel, Based On 1 Use/Month	295.66
		<i>For Each Additional Month Of Usage, Add</i>	93.13
		<i>For Additional Erection And Dismantling Of Scaffolding, Add</i>	202.53
04 05 26 00-0005	CSF	Interior Scaffolding Wall, 16' - 30' Tubular Steel, Based On 1 Use/Month	339.70
		<i>For Each Additional Month Of Usage, Add</i>	94.97
		<i>For Additional Erection And Dismantling Of Scaffolding, Add</i>	244.73

04 20 Unit Masonry (04)

Note: Includes pointing and cleaning of new brick and mortar. Includes cutting of new bricks/blocks to size.

04 21 Clay Unit Masonry (04 20)**04 21 13 Brick Masonry** (04 21)

Note: Includes brick and mortar. See CSI section 04 05 19 13-0000 for reinforcing, 04 05 19 16-0000 for masonry anchors, 04 05 26 00-0000 for scaffolding.

04 21 13 00-0001 Standard Size Brick With Running Bond (04 21 13)

Note: Standard size brick, 2-2/3" x 4" x 8".

04 21 13 00-0002 Red Face Brick (04 21 13 00-0001)

04 21 13 00-0003	SF	Standard Size Red Face Brick - Veneer (6.4/SF With Running Bond)	19.27
		<i>For Full Header Every 6th Course, Add</i>	0.63
		<i>For English, Full Header Every Second Course, Add</i>	1.27
		<i>For Flemish, Alternate Header Every Course, Add</i>	2.55
		<i>For Curved Wall Application, Add</i>	3.17
		<i>For Interior Veneer Construction, Add</i>	2.37
		<i>For Stacked Bond, Add</i>	1.76
		<i>For Battered Walls (Variable Depth Surface Placement), Add</i>	3.96
		<i>For Corbels, Add</i>	11.87
		<i>For Colored Mortar, Add</i>	0.34
		<i>For Basket Weave Or Soldier Bond Pattern, Add</i>	1.76
		<i>For Herringbone Pattern, Add</i>	2.72
		<i>For Severe Weather (SW) Brick, Add</i>	0.52
		<i>For Close Tolerance (FBX), Add</i>	1.84
		<i>For <10, Small Area Replacements (Individual Areas), Add</i>	23.92
		<i>For Columns Where The Shortest Distance From Corner to Corner Is <3', Add</i>	16.00
04 21 13 00-0004	SF	Standard Size Red Face Brick - Cavity Wall (6.4/SF With Running Bond)	22.35
		<i>For Full Header Every 6th Course, Add</i>	0.76
		<i>For English, Full Header Every Second Course, Add</i>	1.51
		<i>For Flemish, Alternate Header Every Course, Add</i>	3.01
		<i>For Curved Wall Application, Add</i>	3.78
		<i>For Interior Veneer Construction, Add</i>	2.84
		<i>For Stacked Bond, Add</i>	2.06
		<i>For Battered Walls (Variable Depth Surface Placement), Add</i>	4.73
		<i>For Corbels, Add</i>	14.18
		<i>For Colored Mortar, Add</i>	0.34
		<i>For Basket Weave Or Soldier Bond Pattern, Add</i>	2.06
		<i>For Herringbone Pattern, Add</i>	3.18
		<i>For Severe Weather (SW) Brick, Add</i>	0.52
		<i>For Close Tolerance (FBX), Add</i>	2.15
		<i>For <10, Small Area Replacements (Individual Areas), Add</i>	28.54
		<i>For Columns Where The Shortest Distance From Corner to Corner Is <3', Add</i>	19.08



Masonry	04	04
Unit Masonry	04 20	
Clay Unit Masonry	04 21	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 21 13 00-0005 SF Standard Size Red Face Brick - 9" Solid Wall (12.7/SF With Running Bond).....	32.00	
For Full Header Every 6th Course, Add	1.01	
For English, Full Header Every Second Course, Add	2.02	
For Flemish, Alternate Header Every Course, Add	4.12	
For Curved Wall Application, Add	5.04	
For Interior Veneer Construction, Add	3.78	
For Stacked Bond, Add	2.86	
For Battered Walls (Variable Depth Surface Placement), Add	6.30	
For Corbels, Add	18.90	
For Colored Mortar, Add	0.68	
For Basket Weave Or Soldier Bond Pattern, Add	2.86	
For Herringbone Pattern, Add	4.46	
For Severe Weather (SW) Brick, Add	1.02	
For Close Tolerance (FBX), Add	3.03	
For <10, Small Area Replacements (Individual Areas), Add	38.14	
For Columns Where The Shortest Distance From Corner to Corner Is <3', Add	25.54	
04 21 13 00-0006 Common Brick (04 21 13 00-0001)		
04 21 13 00-0007 SF Select Common Brick For Veneer (6.4/SF).....	18.43	
For Full Header Every 6th Course, Add	0.60	
For English, Full Header Every Second Course, Add	1.20	
For Flemish, Alternate Header Every Course, Add	2.42	
For Curved Wall Application, Add	3.00	
For Interior Veneer Construction, Add	2.25	
For Stacked Bond, Add	1.67	
For Battered Walls (Variable Depth Surface Placement), Add	3.75	
For Corbels, Add	11.24	
For Colored Mortar, Add	0.34	
For Basket Weave Or Soldier Bond Pattern, Add	1.67	
For Herringbone Pattern, Add	2.59	
For Severe Weather (SW) Brick, Add	0.52	
For Close Tolerance (FBX), Add	1.76	
For <10, Small Area Replacements (Individual Areas), Add	22.66	
For Columns Where The Shortest Distance From Corner to Corner Is <3', Add	15.16	
04 21 13 00-0008 SF Common Brick - 4" Back-up (6.4/SF).....	16.42	
For Full Header Every 6th Course, Add	0.53	
For English, Full Header Every Second Course, Add	1.07	
For Flemish, Alternate Header Every Course, Add	2.16	
For Curved Wall Application, Add	2.67	
For Interior Veneer Construction, Add	2.00	
For Stacked Bond, Add	1.49	
For Battered Walls (Variable Depth Surface Placement), Add	3.34	
For Corbels, Add	10.01	
For Colored Mortar, Add	0.31	
For Basket Weave Or Soldier Bond Pattern, Add	1.49	
For Herringbone Pattern, Add	2.31	
For Severe Weather (SW) Brick, Add	0.46	
For Close Tolerance (FBX), Add	1.57	
For <10, Small Area Replacements (Individual Areas), Add	20.18	
For Columns Where The Shortest Distance From Corner to Corner Is <3', Add	13.50	
04 21 13 00-0009 SF Common Brick - 8" Back-up (12.7/SF).....	29.10	
For Full Header Every 6th Course, Add	0.92	
For English, Full Header Every Second Course, Add	1.84	
For Flemish, Alternate Header Every Course, Add	3.76	
For Curved Wall Application, Add	4.60	
For Interior Veneer Construction, Add	3.45	
For Stacked Bond, Add	2.61	
For Battered Walls (Variable Depth Surface Placement), Add	5.75	
For Corbels, Add	17.26	
For Colored Mortar, Add	0.61	
For Basket Weave Or Soldier Bond Pattern, Add	2.61	
For Herringbone Pattern, Add	4.06	
For Severe Weather (SW) Brick, Add	0.91	
For Close Tolerance (FBX), Add	2.76	
For <10, Small Area Replacements (Individual Areas), Add	34.82	
For Columns Where The Shortest Distance From Corner to Corner Is <3', Add	23.31	
04 21 13 00-0010 SF Common Brick - 12" Solid (19/SF).....	41.33	
For Full Header Every 6th Course, Add	1.29	
For English, Full Header Every Second Course, Add	2.58	
For Flemish, Alternate Header Every Course, Add	5.29	
For Curved Wall Application, Add	6.44	
For Interior Veneer Construction, Add	4.83	
For Stacked Bond, Add	3.68	
For Battered Walls (Variable Depth Surface Placement), Add	8.06	
For Corbels, Add	24.17	
For Colored Mortar, Add	0.91	
For Basket Weave Or Soldier Bond Pattern, Add	3.68	
For Herringbone Pattern, Add	5.74	
For Severe Weather (SW) Brick, Add	1.37	
For Close Tolerance (FBX), Add	3.91	
For <10, Small Area Replacements (Individual Areas), Add	48.79	
For Columns Where The Shortest Distance From Corner to Corner Is <3', Add	32.68	

04	Masonry
04 20	Unit Masonry
04 21	Clay Unit Masonry



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 21 13 00-0011	SF		Common Brick - 16" Solid (25.4/SF)	52.41	
			<i>For Full Header Every 6th Course, Add</i>	1.61	
			<i>For English, Full Header Every Second Course, Add</i>	3.22	
			<i>For Flemish, Alternate Header Every Course, Add</i>	6.65	
			<i>For Curved Wall Application, Add</i>	8.06	
			<i>For Interior Veneer Construction, Add</i>	6.04	
			<i>For Stacked Bond, Add</i>	4.64	
			<i>For Battered Walls (Variable Depth Surface Placement), Add</i>	10.07	
			<i>For Corbels, Add</i>	30.22	
			<i>For Colored Mortar, Add</i>	1.21	
			<i>For Basket Weave Or Soldier Bond Pattern, Add</i>	4.64	
			<i>For Herringbone Pattern, Add</i>	7.26	
			<i>For Severe Weather (SW) Brick, Add</i>	1.82	
			<i>For Close Tolerance (FBX), Add</i>	4.94	
			<i>For <10, Small Area Replacements (Individual Areas), Add</i>	61.04	
			<i>For Columns Where The Shortest Distance From Corner to Corner Is <3', Add</i>	40.90	
04 21 13 00-0012	SF		Common Brick As 4" Wall Face Brick (6.4/SF)	18.43	
			<i>For Full Header Every 6th Course, Add</i>	0.60	
			<i>For English, Full Header Every Second Course, Add</i>	1.20	
			<i>For Flemish, Alternate Header Every Course, Add</i>	2.42	
			<i>For Curved Wall Application, Add</i>	3.00	
			<i>For Interior Veneer Construction, Add</i>	2.25	
			<i>For Stacked Bond, Add</i>	1.67	
			<i>For Battered Walls (Variable Depth Surface Placement), Add</i>	3.75	
			<i>For Corbels, Add</i>	11.24	
			<i>For Colored Mortar, Add</i>	0.34	
			<i>For Basket Weave Or Soldier Bond Pattern, Add</i>	1.67	
			<i>For Herringbone Pattern, Add</i>	2.59	
			<i>For Severe Weather (SW) Brick, Add</i>	0.52	
			<i>For Close Tolerance (FBX), Add</i>	1.76	
			<i>For <10, Small Area Replacements (Individual Areas), Add</i>	22.66	
			<i>For Columns Where The Shortest Distance From Corner to Corner Is <3', Add</i>	15.16	
04 21 13 00-0013			Glazed Brick <small>(04 21 13 00-0001)</small>		
04 21 13 00-0014	SF		Glazed Brick Veneer (7.4/SF)	32.71	
			<i>For Full Header Every 6th Course, Add</i>	0.72	
			<i>For English, Full Header Every Second Course, Add</i>	1.43	
			<i>For Flemish, Alternate Header Every Course, Add</i>	3.43	
			<i>For Curved Wall Application, Add</i>	3.58	
			<i>For Interior Veneer Construction, Add</i>	2.69	
			<i>For Stacked Bond, Add</i>	2.53	
			<i>For Battered Walls (Variable Depth Surface Placement), Add</i>	4.48	
			<i>For Corbels, Add</i>	13.43	
			<i>For Colored Mortar, Add</i>	1.48	
			<i>For Basket Weave Or Soldier Bond Pattern, Add</i>	2.53	
			<i>For Herringbone Pattern, Add</i>	4.17	
			<i>For Severe Weather (SW) Brick, Add</i>	2.22	
			<i>For Close Tolerance (FBX), Add</i>	2.90	
			<i>For <10, Small Area Replacements (Individual Areas), Add</i>	27.61	
			<i>For Columns Where The Shortest Distance From Corner to Corner Is <3', Add</i>	18.65	
04 21 13 00-0015			Buff Or Gray Face Brick <small>(04 21 13 00-0001)</small>		
04 21 13 00-0016	SF		Buff (Gray) Face Brick - Veneer (6.4/SF)	19.97	
			<i>For Full Header Every 6th Course, Add</i>	0.63	
			<i>For English, Full Header Every Second Course, Add</i>	1.27	
			<i>For Flemish, Alternate Header Every Course, Add</i>	2.58	
			<i>For Curved Wall Application, Add</i>	3.17	
			<i>For Interior Veneer Construction, Add</i>	2.37	
			<i>For Stacked Bond, Add</i>	1.79	
			<i>For Battered Walls (Variable Depth Surface Placement), Add</i>	3.96	
			<i>For Corbels, Add</i>	11.87	
			<i>For Colored Mortar, Add</i>	0.41	
			<i>For Basket Weave Or Soldier Bond Pattern, Add</i>	1.79	
			<i>For Herringbone Pattern, Add</i>	2.79	
			<i>For Severe Weather (SW) Brick, Add</i>	0.62	
			<i>For Close Tolerance (FBX), Add</i>	1.89	
			<i>For <10, Small Area Replacements (Individual Areas), Add</i>	23.95	
			<i>For Columns Where The Shortest Distance From Corner to Corner Is <3', Add</i>	16.04	
04 21 13 00-0017	SF		Buff (Gray) Face Brick - Cavity Wall (6.4/SF)	19.97	
			<i>For Full Header Every 6th Course, Add</i>	0.63	
			<i>For English, Full Header Every Second Course, Add</i>	1.27	
			<i>For Flemish, Alternate Header Every Course, Add</i>	2.58	
			<i>For Curved Wall Application, Add</i>	3.17	
			<i>For Interior Veneer Construction, Add</i>	2.37	
			<i>For Stacked Bond, Add</i>	1.79	
			<i>For Battered Walls (Variable Depth Surface Placement), Add</i>	3.96	
			<i>For Corbels, Add</i>	11.87	
			<i>For Colored Mortar, Add</i>	0.41	
			<i>For Basket Weave Or Soldier Bond Pattern, Add</i>	1.79	
			<i>For Herringbone Pattern, Add</i>	2.79	
			<i>For Severe Weather (SW) Brick, Add</i>	0.62	
			<i>For Close Tolerance (FBX), Add</i>	1.89	
			<i>For <10, Small Area Replacements (Individual Areas), Add</i>	23.95	
			<i>For Columns Where The Shortest Distance From Corner to Corner Is <3', Add</i>	16.04	



Masonry	04	04
Unit Masonry	04 20	
Clay Unit Masonry	04 21	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 21 13 00-0018 Jumbo Or Oversized Face Brick ^(04 21 13) Note: Jumbo utility: 4" x 4" x 12", 6" jumbo: 6" x 4" x 12", 8" jumbo: 8" x 4" x 12".		
04 21 13 00-0019 Jumbo Or Oversize Brick Red Face Running Bond ^(04 21 13 00-0018)		
04 21 13 00-0020 SF Jumbo Red Face Brick - 4" Veneer (3.0/SF With Running Bond).....	14.35	
For Full Header Every 6th Course, Add	0.43	
For English, Full Header Every Second Course, Add	0.86	
For Flemish, Alternate Header Every Course, Add	1.80	
For Curved Wall Application, Add	2.16	
For Interior Veneer Construction, Add	1.62	
For Stacked Bond, Add	1.26	
For Battered Walls (Variable Depth Surface Placement), Add	2.70	
For Corbels, Add	8.10	
For Colored Mortar, Add	0.36	
For Basket Weave Or Soldier Bond Pattern, Add	1.26	
For Herringbone Pattern, Add	1.98	
For Severe Weather (SW) Brick, Add	0.53	
For Close Tolerance (FBX), Add	1.35	
For <10, Small Area Replacements (Individual Areas), Add	16.38	
For Columns Where The Shortest Distance From Corner to Corner Is <3', Add	10.98	
04 21 13 00-0021 SF Jumbo Red Face Brick - Cavity Wall (3.0/SF With Running Bond).....	16.15	
For Full Header Every 6th Course, Add	0.50	
For English, Full Header Every Second Course, Add	1.01	
For Flemish, Alternate Header Every Course, Add	2.07	
For Curved Wall Application, Add	2.52	
For Interior Veneer Construction, Add	1.89	
For Stacked Bond, Add	1.44	
For Battered Walls (Variable Depth Surface Placement), Add	3.15	
For Corbels, Add	9.45	
For Colored Mortar, Add	0.36	
For Basket Weave Or Soldier Bond Pattern, Add	1.44	
For Herringbone Pattern, Add	2.25	
For Severe Weather (SW) Brick, Add	0.53	
For Close Tolerance (FBX), Add	1.53	
For <10, Small Area Replacements (Individual Areas), Add	19.08	
For Columns Where The Shortest Distance From Corner to Corner Is <3', Add	12.78	
04 21 13 00-0022 SF Jumbo Red Face Brick - 4" Back-up (3.0/SF With Running Bond).....	13.25	
For Full Header Every 6th Course, Add	0.43	
For English, Full Header Every Second Course, Add	0.85	
For Flemish, Alternate Header Every Course, Add	1.73	
For Curved Wall Application, Add	2.13	
For Interior Veneer Construction, Add	1.59	
For Stacked Bond, Add	1.19	
For Battered Walls (Variable Depth Surface Placement), Add	2.66	
For Corbels, Add	7.97	
For Colored Mortar, Add	0.26	
For Basket Weave Or Soldier Bond Pattern, Add	1.19	
For Herringbone Pattern, Add	1.86	
For Severe Weather (SW) Brick, Add	0.39	
For Close Tolerance (FBX), Add	1.26	
For <10, Small Area Replacements (Individual Areas), Add	16.08	
For Columns Where The Shortest Distance From Corner to Corner Is <3', Add	10.76	
04 21 13 00-0023 SF Jumbo Red Face Brick - 8" Back-up (6.0/SF With Running Bond).....	21.36	
For Full Header Every 6th Course, Add	0.64	
For English, Full Header Every Second Course, Add	1.29	
For Flemish, Alternate Header Every Course, Add	2.68	
For Curved Wall Application, Add	3.22	
For Interior Veneer Construction, Add	2.42	
For Stacked Bond, Add	1.87	
For Battered Walls (Variable Depth Surface Placement), Add	4.03	
For Corbels, Add	12.09	
For Colored Mortar, Add	0.52	
For Basket Weave Or Soldier Bond Pattern, Add	1.87	
For Herringbone Pattern, Add	2.94	
For Severe Weather (SW) Brick, Add	0.79	
For Close Tolerance (FBX), Add	2.01	
For <10, Small Area Replacements (Individual Areas), Add	24.44	
For Columns Where The Shortest Distance From Corner to Corner Is <3', Add	16.38	
04 21 13 00-0024 SF Jumbo Red Face Brick - 12" Solid (9.0/SF With Running Bond).....	33.04	
For Full Header Every 6th Course, Add	0.90	
For English, Full Header Every Second Course, Add	1.79	
For Flemish, Alternate Header Every Course, Add	3.89	
For Curved Wall Application, Add	4.48	
For Interior Veneer Construction, Add	3.36	
For Stacked Bond, Add	2.77	
For Battered Walls (Variable Depth Surface Placement), Add	5.60	
For Corbels, Add	16.79	
For Colored Mortar, Add	1.07	
For Basket Weave Or Soldier Bond Pattern, Add	2.77	
For Herringbone Pattern, Add	4.42	
For Severe Weather (SW) Brick, Add	1.60	
For Close Tolerance (FBX), Add	3.04	
For <10, Small Area Replacements (Individual Areas), Add	34.10	
For Columns Where The Shortest Distance From Corner to Corner Is <3', Add	22.91	

04	Masonry
04 20	Unit Masonry
04 21	Clay Unit Masonry



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 21 13 00-0025 SF Jumbo Red Face Brick - 16" Solid (12.0/SF With Running Bond).....	41.75	
For Full Header Every 6th Course, Add	1.10	
For English, Full Header Every Second Course, Add	2.20	
For Flemish, Alternate Header Every Course, Add	4.84	
For Curved Wall Application, Add	5.51	
For Interior Veneer Construction, Add	4.13	
For Stacked Bond, Add	3.46	
For Battered Walls (Variable Depth Surface Placement), Add	6.89	
For Corbels, Add	20.66	
For Colored Mortar, Add	1.42	
For Basket Weave Or Soldier Bond Pattern, Add	3.46	
For Herringbone Pattern, Add	5.55	
For Severe Weather (SW) Brick, Add	2.13	
For Close Tolerance (FBX), Add	3.82	
For <10, Small Area Replacements (Individual Areas), Add	42.02	
For Columns Where The Shortest Distance From Corner to Corner Is <3', Add	28.25	
04 21 13 00-0026 Other Brick Shapes (04 21 13)		
04 21 13 00-0027 Norman Face Brick (04 21 13 00-0026)		
Note: 2-2/3" x 4" x 12".		
04 21 13 00-0028 Norman Brick, Red Face Running Bond (04 21 13 00-0027)		
04 21 13 00-0029 SF Red Face Norman Brick - Veneer (4.5/SF With Running Bond)	19.94	
For Buff Or Gray Face, Add	0.75	
For Marble Chip, Add	0.98	
For Full Header Every 6th Course, Add	0.62	
For English, Full Header Every Second Course, Add	1.24	
For Flemish, Alternate Header Every Course, Add	2.54	
For Curved Wall Application, Add	3.09	
For Interior Veneer Construction, Add	2.32	
For Stacked Bond, Add	1.77	
For Battered Walls (Variable Depth Surface Placement), Add	3.87	
For Corbels, Add	11.60	
For Colored Mortar, Add	0.45	
For Basket Weave Or Soldier Bond Pattern, Add	1.77	
For Herringbone Pattern, Add	2.77	
For Severe Weather (SW) Brick, Add	0.67	
For Close Tolerance (FBX), Add	1.88	
For <10, Small Area Replacements (Individual Areas), Add	23.41	
For Columns Where The Shortest Distance From Corner to Corner Is <3', Add	15.68	
04 21 13 00-0030 SF Red Face Norman Brick - Cavity Wall (4.5/SF With Running Bond)	22.48	
For Buff Or Gray Face, Add	0.75	
For Marble Chip, Add	0.98	
For Full Header Every 6th Course, Add	0.72	
For English, Full Header Every Second Course, Add	1.44	
For Flemish, Alternate Header Every Course, Add	2.92	
For Curved Wall Application, Add	3.60	
For Interior Veneer Construction, Add	2.70	
For Stacked Bond, Add	2.02	
For Battered Walls (Variable Depth Surface Placement), Add	4.50	
For Corbels, Add	13.50	
For Colored Mortar, Add	0.45	
For Basket Weave Or Soldier Bond Pattern, Add	2.02	
For Herringbone Pattern, Add	3.15	
For Severe Weather (SW) Brick, Add	0.67	
For Close Tolerance (FBX), Add	2.14	
For <10, Small Area Replacements (Individual Areas), Add	27.22	
For Columns Where The Shortest Distance From Corner to Corner Is <3', Add	18.22	
04 21 13 00-0031 Engineer Brick (04 21 13 00-0026)		
Note: 3-1/5" x 4" x 8".		
04 21 13 00-0032 Engineer Brick, Red Face Running Bond (04 21 13 00-0031)		
04 21 13 00-0033 SF Engineer Brick - Veneer (5.06/SF With Running Bond)	19.72	
For Full Header Every 6th Course, Add	0.62	
For English, Full Header Every Second Course, Add	1.24	
For Flemish, Alternate Header Every Course, Add	2.53	
For Curved Wall Application, Add	3.09	
For Interior Veneer Construction, Add	2.32	
For Stacked Bond, Add	1.76	
For Battered Walls (Variable Depth Surface Placement), Add	3.87	
For Corbels, Add	11.60	
For Colored Mortar, Add	0.43	
For Basket Weave Or Soldier Bond Pattern, Add	1.76	
For Herringbone Pattern, Add	2.75	
For Severe Weather (SW) Brick, Add	0.64	
For Close Tolerance (FBX), Add	1.87	
For <10, Small Area Replacements (Individual Areas), Add	23.40	
For Columns Where The Shortest Distance From Corner to Corner Is <3', Add	15.67	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 21	13 00-0034	SF	Engineer Brick - Cavity Wall (5.06/SF With Running Bond).....	22.26	
			<i>For Full Header Every 6th Course, Add</i>	0.72	
			<i>For English, Full Header Every Second Course, Add</i>	1.44	
			<i>For Flemish, Alternate Header Every Course, Add</i>	2.91	
			<i>For Curved Wall Application, Add</i>	3.60	
			<i>For Interior Veneer Construction, Add</i>	2.70	
			<i>For Stacked Bond, Add</i>	2.01	
			<i>For Battered Walls (Variable Depth Surface Placement), Add</i>	4.50	
			<i>For Corbels, Add</i>	13.50	
			<i>For Colored Mortar, Add</i>	0.43	
			<i>For Basket Weave Or Soldier Bond Pattern, Add</i>	2.01	
			<i>For Herringbone Pattern, Add</i>	3.13	
			<i>For Severe Weather (SW) Brick, Add</i>	0.64	
			<i>For Close Tolerance (FBX), Add</i>	2.12	
			<i>For <10, Small Area Replacements (Individual Areas), Add</i>	27.21	
			<i>For Columns Where The Shortest Distance From Corner to Corner Is <3', Add</i>	18.21	
04 21	13 00-0035		Roman Brick <small>(04 21 13 00-0026)</small>		
			Note: 2" x 4" x 12" or Baby Roman 2" x 4" x 8".		
04 21	13 00-0036		Roman Brick, Red Face Running Bond <small>(04 21 13 00-0035)</small>		
04 21	13 00-0037	SF	Roman Brick - Veneer (5.23/SF With Running Bond).....	20.88	
			<i>For Full Header Every 6th Course, Add</i>	0.62	
			<i>For English, Full Header Every Second Course, Add</i>	1.24	
			<i>For Flemish, Alternate Header Every Course, Add</i>	2.59	
			<i>For Curved Wall Application, Add</i>	3.09	
			<i>For Interior Veneer Construction, Add</i>	2.32	
			<i>For Stacked Bond, Add</i>	1.82	
			<i>For Battered Walls (Variable Depth Surface Placement), Add</i>	3.87	
			<i>For Corbels, Add</i>	11.60	
			<i>For Colored Mortar, Add</i>	0.54	
			<i>For Basket Weave Or Soldier Bond Pattern, Add</i>	1.82	
			<i>For Herringbone Pattern, Add</i>	2.86	
			<i>For Severe Weather (SW) Brick, Add</i>	0.81	
			<i>For Close Tolerance (FBX), Add</i>	1.95	
			<i>For <10, Small Area Replacements (Individual Areas), Add</i>	23.46	
			<i>For Columns Where The Shortest Distance From Corner to Corner Is <3', Add</i>	15.73	
04 21	13 00-0038	SF	Roman Brick - Cavity Wall (5.23/SF With Running Bond).....	23.42	
			<i>For Full Header Every 6th Course, Add</i>	0.72	
			<i>For English, Full Header Every Second Course, Add</i>	1.44	
			<i>For Flemish, Alternate Header Every Course, Add</i>	2.97	
			<i>For Curved Wall Application, Add</i>	3.60	
			<i>For Interior Veneer Construction, Add</i>	2.70	
			<i>For Stacked Bond, Add</i>	2.07	
			<i>For Battered Walls (Variable Depth Surface Placement), Add</i>	4.50	
			<i>For Corbels, Add</i>	13.50	
			<i>For Colored Mortar, Add</i>	0.54	
			<i>For Basket Weave Or Soldier Bond Pattern, Add</i>	2.07	
			<i>For Herringbone Pattern, Add</i>	3.24	
			<i>For Severe Weather (SW) Brick, Add</i>	0.81	
			<i>For Close Tolerance (FBX), Add</i>	2.21	
			<i>For <10, Small Area Replacements (Individual Areas), Add</i>	27.27	
			<i>For Columns Where The Shortest Distance From Corner to Corner Is <3', Add</i>	18.27	
04 21	13 00-0039	SF	Baby Roman Brick - Veneer (7.76/SF With Running Bond).....	21.87	
			<i>For Full Header Every 6th Course, Add</i>	0.62	
			<i>For English, Full Header Every Second Course, Add</i>	1.24	
			<i>For Flemish, Alternate Header Every Course, Add</i>	2.64	
			<i>For Curved Wall Application, Add</i>	3.09	
			<i>For Interior Veneer Construction, Add</i>	2.32	
			<i>For Stacked Bond, Add</i>	1.87	
			<i>For Battered Walls (Variable Depth Surface Placement), Add</i>	3.87	
			<i>For Corbels, Add</i>	11.60	
			<i>For Colored Mortar, Add</i>	0.64	
			<i>For Basket Weave Or Soldier Bond Pattern, Add</i>	1.87	
			<i>For Herringbone Pattern, Add</i>	2.96	
			<i>For Severe Weather (SW) Brick, Add</i>	0.96	
			<i>For Close Tolerance (FBX), Add</i>	2.03	
			<i>For <10, Small Area Replacements (Individual Areas), Add</i>	23.51	
			<i>For Columns Where The Shortest Distance From Corner to Corner Is <3', Add</i>	15.78	
04 21	13 00-0040	SF	Baby Roman Brick - Cavity Wall (7.76/SF With Running Bond).....	24.41	
			<i>For Full Header Every 6th Course, Add</i>	0.72	
			<i>For English, Full Header Every Second Course, Add</i>	1.44	
			<i>For Flemish, Alternate Header Every Course, Add</i>	3.02	
			<i>For Curved Wall Application, Add</i>	3.60	
			<i>For Interior Veneer Construction, Add</i>	2.70	
			<i>For Stacked Bond, Add</i>	2.12	
			<i>For Battered Walls (Variable Depth Surface Placement), Add</i>	4.50	
			<i>For Corbels, Add</i>	13.50	
			<i>For Colored Mortar, Add</i>	0.64	
			<i>For Basket Weave Or Soldier Bond Pattern, Add</i>	2.12	
			<i>For Herringbone Pattern, Add</i>	3.34	
			<i>For Severe Weather (SW) Brick, Add</i>	0.96	
			<i>For Close Tolerance (FBX), Add</i>	2.28	
			<i>For <10, Small Area Replacements (Individual Areas), Add</i>	27.32	
			<i>For Columns Where The Shortest Distance From Corner to Corner Is <3', Add</i>	18.32	

04	Masonry
04 20	Unit Masonry
04 21	Clay Unit Masonry



MINOR	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 21 13 00-0041	Norwegian Brick <small>(04 21 13 00-0026)</small> Note: 3-1/5" x 4" x 12" or 6" Norwegian 3-1/5" x 6" x 12".		
04 21 13 00-0042	Norwegian Brick, Red Face Running Bond <small>(04 21 13 00-0041)</small>		
04 21 13 00-0043	SF Norwegian Brick - Veneer (3.41/SF With Running Bond)	19.06	
	For Full Header Every 6th Course, Add	0.62	
	For English, Full Header Every Second Course, Add	1.24	
	For Flemish, Alternate Header Every Course, Add	2.50	
	For Curved Wall Application, Add	3.09	
	For Interior Veneer Construction, Add	2.32	
	For Stacked Bond, Add	1.73	
	For Battered Walls (Variable Depth Surface Placement), Add	3.87	
	For Corbels, Add	11.60	
	For Colored Mortar, Add	0.36	
	For Basket Weave Or Soldier Bond Pattern, Add	1.73	
	For Herringbone Pattern, Add	2.68	
	For Severe Weather (SW) Brick, Add	0.54	
	For Close Tolerance (FBX), Add	1.82	
	For <10, Small Area Replacements (Individual Areas), Add	23.37	
	For Columns Where The Shortest Distance From Corner to Corner Is <3', Add	15.64	
04 21 13 00-0044	SF Norwegian Brick - Cavity Wall (3.41/SF With Running Bond)	21.60	
	For Full Header Every 6th Course, Add	0.72	
	For English, Full Header Every Second Course, Add	1.44	
	For Flemish, Alternate Header Every Course, Add	2.88	
	For Curved Wall Application, Add	3.60	
	For Interior Veneer Construction, Add	2.70	
	For Stacked Bond, Add	1.98	
	For Battered Walls (Variable Depth Surface Placement), Add	4.50	
	For Corbels, Add	13.50	
	For Colored Mortar, Add	0.36	
	For Basket Weave Or Soldier Bond Pattern, Add	1.98	
	For Herringbone Pattern, Add	3.06	
	For Severe Weather (SW) Brick, Add	0.54	
	For Close Tolerance (FBX), Add	2.07	
	For <10, Small Area Replacements (Individual Areas), Add	27.18	
	For Columns Where The Shortest Distance From Corner to Corner Is <3', Add	18.18	
04 21 13 00-0045	SF 6" Norwegian Brick - Veneer (3.41/SF With Running Bond)	20.78	
	For Full Header Every 6th Course, Add	0.62	
	For English, Full Header Every Second Course, Add	1.24	
	For Flemish, Alternate Header Every Course, Add	2.59	
	For Curved Wall Application, Add	3.09	
	For Interior Veneer Construction, Add	2.32	
	For Stacked Bond, Add	1.81	
	For Battered Walls (Variable Depth Surface Placement), Add	3.87	
	For Corbels, Add	11.60	
	For Colored Mortar, Add	0.53	
	For Basket Weave Or Soldier Bond Pattern, Add	1.81	
	For Herringbone Pattern, Add	2.85	
	For Severe Weather (SW) Brick, Add	0.80	
	For Close Tolerance (FBX), Add	1.95	
	For <10, Small Area Replacements (Individual Areas), Add	23.46	
	For Columns Where The Shortest Distance From Corner to Corner Is <3', Add	15.73	
04 21 13 00-0046	SF 6" Norwegian Brick - Cavity Wall (3.41/SF With Running Bond)	23.32	
	For Full Header Every 6th Course, Add	0.72	
	For English, Full Header Every Second Course, Add	1.44	
	For Flemish, Alternate Header Every Course, Add	2.97	
	For Curved Wall Application, Add	3.60	
	For Interior Veneer Construction, Add	2.70	
	For Stacked Bond, Add	2.07	
	For Battered Walls (Variable Depth Surface Placement), Add	4.50	
	For Corbels, Add	13.50	
	For Colored Mortar, Add	0.53	
	For Basket Weave Or Soldier Bond Pattern, Add	2.07	
	For Herringbone Pattern, Add	3.23	
	For Severe Weather (SW) Brick, Add	0.80	
	For Close Tolerance (FBX), Add	2.20	
	For <10, Small Area Replacements (Individual Areas), Add	27.27	
	For Columns Where The Shortest Distance From Corner to Corner Is <3', Add	18.27	
04 21 13 00-0047	Double Face Brick <small>(04 21 13 00-0026)</small> Note: 5-1/3" x 4" x 8".		
04 21 13 00-0048	Double Face Brick, Red Face Running Bond <small>(04 21 13 00-0047)</small>		



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	04 21	13 00-0049	SF	Double Face Brick - Veneer (3.13/SF With Running Bond)	18.33	
				<i>For Full Header Every 6th Course, Add</i>	0.62	
				<i>For English, Full Header Every Second Course, Add</i>	1.24	
				<i>For Flemish, Alternate Header Every Course, Add</i>	2.46	
				<i>For Curved Wall Application, Add</i>	3.09	
				<i>For Interior Veneer Construction, Add</i>	2.32	
				<i>For Stacked Bond, Add</i>	1.69	
				<i>For Battered Walls (Variable Depth Surface Placement), Add</i>	3.87	
				<i>For Corbels, Add</i>	11.60	
				<i>For Colored Mortar, Add</i>	0.29	
				<i>For Basket Weave Or Soldier Bond Pattern, Add</i>	1.69	
				<i>For Herringbone Pattern, Add</i>	2.61	
				<i>For Severe Weather (SW) Brick, Add</i>	0.43	
				<i>For Close Tolerance (FBX), Add</i>	1.76	
				<i>For <10, Small Area Replacements (Individual Areas), Add</i>	23.33	
				<i>For Columns Where The Shortest Distance From Corner to Corner Is <3', Add</i>	15.60	
	04 21	13 00-0050	SF	Double Face Brick - Cavity Wall (3.13/SF With Running Bond)	20.87	
				<i>For Full Header Every 6th Course, Add</i>	0.72	
				<i>For English, Full Header Every Second Course, Add</i>	1.44	
				<i>For Flemish, Alternate Header Every Course, Add</i>	2.84	
				<i>For Curved Wall Application, Add</i>	3.60	
				<i>For Interior Veneer Construction, Add</i>	2.70	
				<i>For Stacked Bond, Add</i>	1.94	
				<i>For Battered Walls (Variable Depth Surface Placement), Add</i>	4.50	
				<i>For Corbels, Add</i>	13.50	
				<i>For Colored Mortar, Add</i>	0.29	
				<i>For Basket Weave Or Soldier Bond Pattern, Add</i>	1.94	
				<i>For Herringbone Pattern, Add</i>	2.99	
				<i>For Severe Weather (SW) Brick, Add</i>	0.43	
				<i>For Close Tolerance (FBX), Add</i>	2.02	
				<i>For <10, Small Area Replacements (Individual Areas), Add</i>	27.14	
				<i>For Columns Where The Shortest Distance From Corner to Corner Is <3', Add</i>	18.14	
	04 21	13 00-0051		Triple Face Brick <small>(04 21 13 00-0026)</small>		
				Note: 5-1/3" x 4" x 12".		
	04 21	13 00-0052		Triple Face Brick, Red Face Running Bond <small>(04 21 13 00-0051)</small>		
	04 21	13 00-0053	SF	Triple Face Brick - Veneer (2.11/SF With Running Bond)	17.86	
				<i>For Full Header Every 6th Course, Add</i>	0.62	
				<i>For English, Full Header Every Second Course, Add</i>	1.24	
				<i>For Flemish, Alternate Header Every Course, Add</i>	2.44	
				<i>For Curved Wall Application, Add</i>	3.09	
				<i>For Interior Veneer Construction, Add</i>	2.32	
				<i>For Stacked Bond, Add</i>	1.67	
				<i>For Battered Walls (Variable Depth Surface Placement), Add</i>	3.87	
				<i>For Corbels, Add</i>	11.60	
				<i>For Colored Mortar, Add</i>	0.24	
				<i>For Basket Weave Or Soldier Bond Pattern, Add</i>	1.67	
				<i>For Herringbone Pattern, Add</i>	2.56	
				<i>For Severe Weather (SW) Brick, Add</i>	0.36	
				<i>For Close Tolerance (FBX), Add</i>	1.73	
				<i>For <10, Small Area Replacements (Individual Areas), Add</i>	23.31	
				<i>For Columns Where The Shortest Distance From Corner to Corner Is <3', Add</i>	15.58	
	04 21	13 00-0054	SF	Triple Face Brick - Cavity Wall (2.11/SF With Running Bond)	20.40	
				<i>For Full Header Every 6th Course, Add</i>	0.72	
				<i>For English, Full Header Every Second Course, Add</i>	1.44	
				<i>For Flemish, Alternate Header Every Course, Add</i>	2.82	
				<i>For Curved Wall Application, Add</i>	3.60	
				<i>For Interior Veneer Construction, Add</i>	2.70	
				<i>For Stacked Bond, Add</i>	1.92	
				<i>For Battered Walls (Variable Depth Surface Placement), Add</i>	4.50	
				<i>For Corbels, Add</i>	13.50	
				<i>For Colored Mortar, Add</i>	0.24	
				<i>For Basket Weave Or Soldier Bond Pattern, Add</i>	1.92	
				<i>For Herringbone Pattern, Add</i>	2.94	
				<i>For Severe Weather (SW) Brick, Add</i>	0.36	
				<i>For Close Tolerance (FBX), Add</i>	1.98	
				<i>For <10, Small Area Replacements (Individual Areas), Add</i>	27.12	
				<i>For Columns Where The Shortest Distance From Corner to Corner Is <3', Add</i>	18.12	
	04 21	13 00-0055		SCR Face Brick <small>(04 21 13 00-0026)</small>		
				Note: 2-2/3" x 6" x 12".		
	04 21	13 00-0056		SCR Face Brick, Red Face Running Bond <small>(04 21 13 00-0055)</small>		

04	Masonry
04 20	Unit Masonry
04 21	Clay Unit Masonry



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 21 13 00-0057	SF		SCR Face Brick - Veneer (4.03/SF With Running Bond)	21.66	
			For Full Header Every 6th Course, Add	0.62	
			For English, Full Header Every Second Course, Add	1.24	
			For Flemish, Alternate Header Every Course, Add	2.63	
			For Curved Wall Application, Add	3.09	
			For Interior Veneer Construction, Add	2.32	
			For Stacked Bond, Add	1.86	
			For Battered Walls (Variable Depth Surface Placement), Add	3.87	
			For Corbels, Add	11.60	
			For Colored Mortar, Add	0.62	
			For Basket Weave Or Soldier Bond Pattern, Add	1.86	
			For Herringbone Pattern, Add	2.94	
			For Severe Weather (SW) Brick, Add	0.93	
			For Close Tolerance (FBX), Add	2.01	
			For <10, Small Area Replacements (Individual Areas), Add	23.50	
			For Columns Where The Shortest Distance From Corner to Corner Is <3', Add	15.77	
04 21 13 00-0058	SF		SCR Face Brick - Cavity Wall (4.03/SF With Running Bond)	24.20	
			For Full Header Every 6th Course, Add	0.72	
			For English, Full Header Every Second Course, Add	1.44	
			For Flemish, Alternate Header Every Course, Add	3.01	
			For Curved Wall Application, Add	3.60	
			For Interior Veneer Construction, Add	2.70	
			For Stacked Bond, Add	2.11	
			For Battered Walls (Variable Depth Surface Placement), Add	4.50	
			For Corbels, Add	13.50	
			For Colored Mortar, Add	0.62	
			For Basket Weave Or Soldier Bond Pattern, Add	2.11	
			For Herringbone Pattern, Add	3.32	
			For Severe Weather (SW) Brick, Add	0.93	
			For Close Tolerance (FBX), Add	2.27	
			For <10, Small Area Replacements (Individual Areas), Add	27.31	
			For Columns Where The Shortest Distance From Corner to Corner Is <3', Add	18.31	
04 21 13 00-0059			Fire Brick <small>(04 21 13 00-0026)</small>		
			Note: 3-1/5" x 4" x 12" or 6" Norwegian 3-1/5" x 6" x 12".		
04 21 13 00-0060			Fire Brick, Red Face Running Bond <small>(04 21 13 00-0059)</small>		
04 21 13 00-0061	SF		Fire Brick - Veneer (With Running Bond)	21.82	
			For Full Header Every 6th Course, Add	0.62	
			For English, Full Header Every Second Course, Add	1.24	
			For Flemish, Alternate Header Every Course, Add	2.64	
			For Curved Wall Application, Add	3.09	
			For Interior Veneer Construction, Add	2.32	
			For Stacked Bond, Add	1.86	
			For Battered Walls (Variable Depth Surface Placement), Add	3.87	
			For Corbels, Add	11.60	
			For Colored Mortar, Add	0.64	
			For Basket Weave Or Soldier Bond Pattern, Add	1.86	
			For Herringbone Pattern, Add	2.96	
			For Severe Weather (SW) Brick, Add	0.95	
			For Close Tolerance (FBX), Add	2.02	
			For <10, Small Area Replacements (Individual Areas), Add	23.51	
			For Columns Where The Shortest Distance From Corner to Corner Is <3', Add	15.78	
04 21 13 00-0062	SF		Fire Brick - Cavity Wall (With Running Bond)	24.36	
			For Full Header Every 6th Course, Add	0.72	
			For English, Full Header Every Second Course, Add	1.44	
			For Flemish, Alternate Header Every Course, Add	3.02	
			For Curved Wall Application, Add	3.60	
			For Interior Veneer Construction, Add	2.70	
			For Stacked Bond, Add	2.12	
			For Battered Walls (Variable Depth Surface Placement), Add	4.50	
			For Corbels, Add	13.50	
			For Colored Mortar, Add	0.64	
			For Basket Weave Or Soldier Bond Pattern, Add	2.12	
			For Herringbone Pattern, Add	3.34	
			For Severe Weather (SW) Brick, Add	0.95	
			For Close Tolerance (FBX), Add	2.28	
			For <10, Small Area Replacements (Individual Areas), Add	27.32	
			For Columns Where The Shortest Distance From Corner to Corner Is <3', Add	18.32	
04 21 13 00-0063			Window Sill <small>(04 21 13)</small>		
04 21 13 00-0064	LF		Window Sill, Face Brick On Edge	21.38	
04 21 19			Clay Tile Masonry <small>(04 21)</small>		
04 21 19 00-0001			Scored Face, Hollow, Clay Backing Tile <small>(04 21 19)</small>		
04 21 19 00-0002			Load Bearing, Scored Face, Hollow, Clay Backing Tile <small>(04 21 19 00-0001)</small>		
04 21 19 00-0003	SF		4" Thick Load Bearing, Scored Face, Hollow, Clay Backing Tile	18.30	
			For Smooth Face, One Side, Add	1.13	
			For Smooth Face, Two Sides, Add	1.88	
04 21 19 00-0004	SF		6" Thick Load Bearing, Scored Face, Hollow, Clay Backing Tile	19.87	
			For Smooth Face, One Side, Add	1.25	
			For Smooth Face, Two Sides, Add	2.09	



Masonry	04
Unit Masonry	04 20
Clay Unit Masonry	04 21

04

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 21 19 00-0005 SF 8" Thick Load Bearing, Scored Face, Hollow, Clay Backing Tile <i>For Smooth Face, One Side, Add</i> <i>For Smooth Face, Two Sides, Add</i>	22.25 1.44 2.44	
04 21 19 00-0006 SF 10" Thick Load Bearing, Scored Face, Hollow, Clay Backing Tile <i>For Smooth Face, One Side, Add</i> <i>For Smooth Face, Two Sides, Add</i>	30.39 2.21 3.81	
04 21 19 00-0007 SF 12" Thick Load Bearing, Scored Face, Hollow, Clay Backing Tile <i>For Smooth Face, One Side, Add</i> <i>For Smooth Face, Two Sides, Add</i>	39.80 3.07 5.35	
04 21 19 00-0008 Non-Load Bearing, Scored Face, Hollow, Clay Backing Tile (04 21 19 00-0001)		
04 21 19 00-0009 SF 3" Thick Non Load Bearing, Scored Face, Hollow, Clay Backing Tile..... <i>For Smooth Face, One Side, Add</i> <i>For Smooth Face, Two Sides, Add</i>	15.35 0.91 1.51	
04 21 19 00-0010 SF 4" Thick Non Load Bearing, Scored Face, Hollow, Clay Backing Tile..... <i>For Smooth Face, One Side, Add</i> <i>For Smooth Face, Two Sides, Add</i>	18.31 1.18 1.98	
04 21 19 00-0011 SF 6" Thick Non Load Bearing, Scored Face, Hollow, Clay Backing Tile..... <i>For Smooth Face, One Side, Add</i> <i>For Smooth Face, Two Sides, Add</i>	18.79 1.19 2.01	
04 21 19 00-0012 SF 8" Thick Non Load Bearing, Scored Face, Hollow, Clay Backing Tile..... <i>For Smooth Face, One Side, Add</i> <i>For Smooth Face, Two Sides, Add</i>	28.47 2.11 3.64	
04 21 19 00-0013 SF 12" Thick Non Load Bearing, Scored Face, Hollow, Clay Backing Tile..... <i>For Smooth Face, One Side, Add</i> <i>For Smooth Face, Two Sides, Add</i>	38.66 3.04 5.30	
04 21 26 Glazed Structural Clay Tile Masonry (04 21)		
Note: Includes tile and mortar in all colors.		
04 21 26 00-0001 6T Series Structural Glazed Clay Tile (04 21 26)		
04 21 26 00-0002 Glazed On One Side 6T Series Structural Glazed Clay Tile (04 21 26 00-0001)		
04 21 26 00-0003 SF 2" Thick 1 Sided 6T Series Structural Glazed Clay Tile, 5-1/3" x 12"..... <i>For Stacked Bond, Add</i>	26.98 1.69	
04 21 26 00-0004 SF 4" Thick 1 Sided 6T Series Structural Glazed Clay Tile, 5-1/3" x 12"..... <i>For Stacked Bond, Add</i> <i>For 1 Hour Fire Rating, Add</i>	30.91 1.69 2.24	
04 21 26 00-0005 SF 6" Thick 1 Sided 6T Series Structural Glazed Clay Tile, 5-1/3" x 12"..... <i>For Stacked Bond, Add</i> <i>For 2 Hour Fire Rating, Add</i>	37.58 1.76 2.87	
04 21 26 00-0006 Special Shapes 6T Series Structural Glazed Clay Tile (04 21 26 00-0001)		
04 21 26 00-0007 LF Bullnose, Jamb Or Sill Shapes 6T Series Structural Glazed Clay Tile..... <i>For Stacked Bond, Add</i>	27.83 2.00	
04 21 26 00-0008 LF 2" Or 4" Cove Base 6T Series Structural Glazed Clay Tile..... <i>For Stacked Bond, Add</i>	33.08 2.00	
04 21 26 00-0009 8W Series Structural Glazed Clay Tile (04 21 26)		
04 21 26 00-0010 Glazed On One Side 8W Series Structural Glazed Clay Tile (04 21 26 00-0009)		
04 21 26 00-0011 SF 2" Thick 1 Sided 8W Series Structural Glazed Clay Tile, 8" x 16"..... <i>For Stacked Bond, Add</i>	21.94 1.07	
04 21 26 00-0012 SF 4" Thick 1 Sided 8W Series Structural Glazed Clay Tile, 8" x 16"..... <i>For Stacked Bond, Add</i> <i>For 1 Hour Fire Rating, Add</i>	27.27 1.15 2.15	
04 21 26 00-0013 SF 6" Thick 1 Sided 8W Series Structural Glazed Clay Tile, 8" x 16"..... <i>For Stacked Bond, Add</i> <i>For 2 Hour Fire Rating, Add</i>	36.78 1.23 3.06	
04 21 26 00-0014 Special Shapes 8W Series Structural Glazed Clay Tile (04 21 26 00-0009)		
04 21 26 00-0015 LF Bullnose, Jamb Or Sill Shapes 8W Series Structural Glazed Clay Tile <i>For Stacked Bond, Add</i>	29.68 1.38	
04 21 26 00-0016 LF 2" Or 4" Cove Base 8W Series Structural Glazed Clay Tile..... <i>For Stacked Bond, Add</i>	29.73 1.38	
04 21 26 00-0017 4W Series Structural Glazed Clay Tile (04 21 26)		
04 21 26 00-0018 Glazed On One Side 4W Series Structural Glazed Clay Tile (04 21 26 00-0017)		
04 21 26 00-0019 SF 2" Thick 1 Sided 4W Series Structural Glazed Tile, 8" x 8"..... <i>For Stacked Bond, Add</i>	28.45 1.69	
04 21 26 00-0020 SF 4" Thick 1 Sided 4W Series Structural Glazed Tile, 8" x 8"..... <i>For Stacked Bond, Add</i> <i>For 1 Hour Fire Rating, Add</i>	30.67 1.69 2.22	
04 21 26 00-0021 SF 6" Thick 1 Sided 4W Series Structural Glazed Tile, 8" x 8"..... <i>For Stacked Bond, Add</i> <i>For 2 Hour Fire Rating, Add</i>	38.32 1.76 2.95	

04	Masonry
04 20	Unit Masonry
04 21	Clay Unit Masonry



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

04 21 26 00-0022	Special Shapes 4W Series Structural Glazed Clay Tile <small>(04 21 26 00-0017)</small>		
04 21 26 00-0023	LF Bullnose, Jamb Or Sill Shapes 4W Series Structural Glazed Clay Tile.....	28.16	
	<i>For Stacked Bond, Add</i>	2.00	
04 21 26 00-0024	LF 2" Or 4" Cove Base 4W Series Structural Glazed Clay Tile.....	32.92	
	<i>For Stacked Bond, Add</i>	2.00	
04 21 26 00-0025	6T Series Sound Absorbing Structural Glazed Tile <small>(04 21 26)</small>		
04 21 26 00-0026	SF 4" Thick, 6T Sound Absorbing Structural Glazed Tile	43.28	
04 21 26 00-0027	SF 6" Thick, 6T Sound Absorbing Structural Glazed Tile	47.36	
04 21 26 00-0028	SF 8" Thick, 6T Sound Absorbing Structural Glazed Tile	55.10	
04 21 26 00-0029	8T Series Sound Absorbing Structural Glazed Tile <small>(04 21 26)</small>		
04 21 26 00-0030	SF 4" Thick, 8T Sound Absorbing Structural Glazed Tile	59.84	
04 21 26 00-0031	SF 6" Thick, 8T Sound Absorbing Structural Glazed Tile	69.23	
04 21 26 00-0032	SF 8" Thick, 8T Acoustical Glazed Tile	81.03	
04 21 29	Terra Cotta Masonry <small>(04 21)</small>		
04 21 29 00-0001	Coping <small>(04 21 29)</small>		
	Note: Includes caulk and ties. Excludes drilling into existing materials or other anchoring bolts.		
04 21 29 00-0002	SF Terra Cotta Coping	81.22	32.45
04 21 29 00-0003	Partition Or Back Up (Scored) <small>(04 21 29)</small>		
04 21 29 00-0004	Non-load Bearing, 12" x 12" <small>(04 21 29 00-0003)</small>		
04 21 29 00-0005	SF 3" Thick Terra Cotta, Non Load Bearing 12" x 12" Scored Face, Back-Up Partitions	14.99	
	<i>For Smooth Tile Instead Of Scored, Add</i>	1.64	
	<i>For Reinforcing With Steel Rods, Add</i>	1.66	
04 21 29 00-0006	SF 4" Thick Terra Cotta, Non Load Bearing 12" x 12" Scored Face, Back-Up Partitions	16.00	
	<i>For Smooth Tile Instead Of Scored, Add</i>	1.72	
	<i>For Reinforcing With Steel Rods, Add</i>	1.76	
04 21 29 00-0007	SF 6" Thick Terra Cotta, Non Load Bearing 12" x 12" Scored Face, Back-Up Partitions	20.20	
	<i>For Smooth Tile Instead Of Scored, Add</i>	2.35	
	<i>For Reinforcing With Steel Rods, Add</i>	2.31	
04 21 29 00-0008	SF 8" Thick Terra Cotta, Non Load Bearing 12" x 12" Scored Face, Back-Up Partitions	24.45	
	<i>For Smooth Tile Instead Of Scored, Add</i>	2.95	
	<i>For Reinforcing With Steel Rods, Add</i>	2.86	
04 21 29 00-0009	Load Bearing, 12" x 12" <small>(04 21 29 00-0003)</small>		
04 21 29 00-0010	In Walls <small>(04 21 29 00-0009)</small>		
04 21 29 00-0011	SF 4" Thick Terra Cotta, Walls 12" x 12" Load Bearing Scored Face	16.84	
	<i>For Smooth Tile Instead Of Scored, Add</i>	1.87	
	<i>For Reinforcing With Steel Rods, Add</i>	1.88	
04 21 29 00-0012	SF 6" Thick Terra Cotta, Walls 12" x 12" Load Bearing Scored Face	22.11	
	<i>For Smooth Tile Instead Of Scored, Add</i>	2.69	
	<i>For Reinforcing With Steel Rods, Add</i>	2.60	
04 21 29 00-0013	SF 8" Thick Terra Cotta, Walls 12" x 12" Load Bearing Scored Face	26.31	
	<i>For Smooth Tile Instead Of Scored, Add</i>	3.29	
	<i>For Reinforcing With Steel Rods, Add</i>	3.14	
04 21 29 00-0014	SF 10" Thick Terra Cotta, Walls 12" x 12" Load Bearing Scored Face.....	27.89	
	<i>For Smooth Tile Instead Of Scored, Add</i>	3.36	
	<i>For Reinforcing With Steel Rods, Add</i>	3.26	
04 21 29 00-0015	SF 12" Thick Terra Cotta, Walls 12" x 12" Load Bearing Scored Face.....	33.38	
	<i>For Smooth Tile Instead Of Scored, Add</i>	4.08	
	<i>For Reinforcing With Steel Rods, Add</i>	3.93	
04 21 29 00-0016	In Floors <small>(04 21 29 00-0009)</small>		
04 21 29 00-0017	SF 4" Thick Terra Cotta, Floors 12" x 12" Load Bearing Scored Face	14.69	
	<i>For Smooth Tile Instead Of Scored, Add</i>	1.87	
	<i>For Reinforcing With Steel Rods, Add</i>	1.77	
04 21 29 00-0018	SF 6" Thick Terra Cotta, Floors 12" x 12" Load Bearing Scored Face	19.72	
	<i>For Smooth Tile Instead Of Scored, Add</i>	2.69	
	<i>For Reinforcing With Steel Rods, Add</i>	2.48	
04 21 29 00-0019	SF 8" Thick Terra Cotta, Floors 12" x 12" Load Bearing Scored Face	23.86	
	<i>For Smooth Tile Instead Of Scored, Add</i>	3.29	
	<i>For Reinforcing With Steel Rods, Add</i>	3.02	
04 21 29 00-0020	SF 10" Thick Terra Cotta, Floors 12" x 12" Load Bearing Scored Face	25.13	
	<i>For Smooth Tile Instead Of Scored, Add</i>	3.36	
	<i>For Reinforcing With Steel Rods, Add</i>	3.12	
04 21 29 00-0021	SF 12" Thick Terra Cotta, Floors 12" x 12" Load Bearing Scored Face	29.80	
	<i>For Smooth Tile Instead Of Scored, Add</i>	4.08	
	<i>For Reinforcing With Steel Rods, Add</i>	3.75	



Masonry	04	04
Unit Masonry	04 20	
Concrete Unit Masonry	04 22	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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04 22 Concrete Unit Masonry (04 20)

Note: Includes block and mortar. Excludes horizontal and vertical reinforcing. See CSI section 04 05 19 13-0000 for joint reinforcing.

04 22 23 Architectural Concrete Unit Masonry (04 22)

04 22 23 13 Exposed Aggregate Concrete Unit Masonry (04 22 23)

04 22 23 13-0001 Back-Up Concrete Blocks (04 22 23 13)

04 22 23 13-0002 Back-Up Concrete Blocks (04 22 23 13-0001)

04 22 23 13-0003	SF 8" x 16" x 2", Solid, Back-Up Concrete Block	9.41
	For Special Color, Add	1.37
	For Stacked Bond, Add	2.02
	For Scored Block, Add	0.33
	For Curved Wall Application, Add	1.55
	For <10, Small Area Replacements (Individual Areas), Add	11.76
04 22 23 13-0004	SF 8" x 16" x 4", Regular, Back-Up Concrete Block	9.58
	For Special Color, Add	1.19
	For Stacked Bond, Add	2.12
	For Scored Block, Add	0.29
	For Curved Wall Application, Add	1.63
	For <10, Small Area Replacements (Individual Areas), Add	12.33
04 22 23 13-0005	SF 8" x 16" x 6", Regular, Back-Up Concrete Block	10.87
	For Special Color, Add	1.49
	For Stacked Bond, Add	2.36
	For Scored Block, Add	0.36
	For Curved Wall Application, Add	1.82
	For <10, Small Area Replacements (Individual Areas), Add	13.75
04 22 23 13-0006	SF 8" x 16" x 8", Regular, Back-Up Concrete Block	11.70
	For Special Color, Add	1.73
	For Stacked Bond, Add	2.50
	For Scored Block, Add	0.42
	For Curved Wall Application, Add	1.92
	For <10, Small Area Replacements (Individual Areas), Add	14.59
04 22 23 13-0007	SF 8" x 16" x 10", Regular, Back-Up Concrete Block	12.69
	For Special Color, Add	2.31
	For Stacked Bond, Add	2.58
	For Scored Block, Add	0.56
	For Curved Wall Application, Add	1.98
	For <10, Small Area Replacements (Individual Areas), Add	15.07
04 22 23 13-0008	SF 8" x 16" x 12", Regular, Back-Up Concrete Block	15.07
	For Special Color, Add	2.41
	For Stacked Bond, Add	3.16
	For Scored Block, Add	0.58
	For Curved Wall Application, Add	2.43
	For <10, Small Area Replacements (Individual Areas), Add	18.47

04 22 23 13-0009 Foundation Wall Concrete Blocks (04 22 23 13)

04 22 23 13-0010 Foundation Wall Concrete Blocks (04 22 23 13-0009)

04 22 23 13-0011	SF 8" x 16" x 6", Regular, Foundation Wall Concrete Block	9.84
	For Special Color, Add	1.49
	For Stacked Bond, Add	2.09
	For Scored Block, Add	0.36
	For Curved Wall Application, Add	1.61
	For <10, Small Area Replacements (Individual Areas), Add	12.21
04 22 23 13-0012	SF 8" x 16" x 8", Regular, Foundation Wall Concrete Block	10.68
	For Special Color, Add	1.73
	For Stacked Bond, Add	2.24
	For Scored Block, Add	0.42
	For Curved Wall Application, Add	1.72
	For <10, Small Area Replacements (Individual Areas), Add	13.06
04 22 23 13-0013	SF 8" x 16" x 10", Regular, Foundation Wall Concrete Block	12.26
	For Special Color, Add	2.31
	For Stacked Bond, Add	2.46
	For Scored Block, Add	0.56
	For Curved Wall Application, Add	1.90
	For <10, Small Area Replacements (Individual Areas), Add	14.43
04 22 23 13-0014	SF 8" x 16" x 12", Regular, Foundation Wall Concrete Block	15.07
	For Special Color, Add	2.41
	For Stacked Bond, Add	3.16
	For Scored Block, Add	0.58
	For Curved Wall Application, Add	2.43
	For <10, Small Area Replacements (Individual Areas), Add	18.47
04 22 23 13-0015	SF 8" x 16" x 6", Solid, Foundation Wall Concrete Block	10.66
	For Special Color, Add	1.99
	For Stacked Bond, Add	2.15
	For Scored Block, Add	0.48
	For Curved Wall Application, Add	1.65
	For <10, Small Area Replacements (Individual Areas), Add	12.57

04	Masonry
04 20	Unit Masonry
04 22	Concrete Unit Masonry



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 22 23 13-0016	SF		8" x 16" x 8", Solid, Foundation Wall Concrete Block.....	11.78	
			<i>For Special Color, Add</i>	2.35	
			<i>For Stacked Bond, Add</i>	2.33	
			<i>For Scored Block, Add</i>	0.57	
			<i>For Curved Wall Application, Add</i>	1.79	
			<i>For <10, Small Area Replacements (Individual Areas), Add</i>	13.64	
04 22 23 13-0017	SF		8" x 16" x 10", Solid, Foundation Wall Concrete Block.....	13.39	
			<i>For Special Color, Add</i>	2.89	
			<i>For Stacked Bond, Add</i>	2.58	
			<i>For Scored Block, Add</i>	0.70	
			<i>For Curved Wall Application, Add</i>	1.98	
			<i>For <10, Small Area Replacements (Individual Areas), Add</i>	15.13	
04 22 23 13-0018	SF		8" x 16" x 12", Solid, Foundation Wall Concrete Block.....	16.54	
			<i>For Special Color, Add</i>	3.11	
			<i>For Stacked Bond, Add</i>	3.33	
			<i>For Scored Block, Add</i>	0.75	
			<i>For Curved Wall Application, Add</i>	2.56	
			<i>For <10, Small Area Replacements (Individual Areas), Add</i>	19.47	
04 22 23 13-0019			Partition Concrete Blocks (04 22 23 13)		
04 22 23 13-0020			Lightweight, Regular, Partition Concrete Blocks (04 22 23 13-0019)		
04 22 23 13-0021	SF		8" x 16" x 4", Lightweight, Regular, Partition Concrete Block.....	9.67	
			<i>For Special Color, Add</i>	1.26	
			<i>For Stacked Bond, Add</i>	2.12	
			<i>For Scored Block, Add</i>	0.30	
			<i>For Curved Wall Application, Add</i>	1.63	
			<i>For <10, Small Area Replacements (Individual Areas), Add</i>	12.34	
04 22 23 13-0022	SF		8" x 16" x 6", Lightweight, Regular, Partition Concrete Block.....	10.77	
			<i>For Special Color, Add</i>	1.61	
			<i>For Stacked Bond, Add</i>	2.30	
			<i>For Scored Block, Add</i>	0.39	
			<i>For Curved Wall Application, Add</i>	1.77	
			<i>For <10, Small Area Replacements (Individual Areas), Add</i>	13.39	
04 22 23 13-0023	SF		8" x 16" x 8", Lightweight, Regular, Partition Concrete Block.....	11.66	
			<i>For Special Color, Add</i>	1.81	
			<i>For Stacked Bond, Add</i>	2.46	
			<i>For Scored Block, Add</i>	0.44	
			<i>For Curved Wall Application, Add</i>	1.90	
			<i>For <10, Small Area Replacements (Individual Areas), Add</i>	14.38	
04 22 23 13-0024	SF		8" x 16" x 10", Lightweight, Regular, Partition Concrete Block.....	12.81	
			<i>For Special Color, Add</i>	2.41	
			<i>For Stacked Bond, Add</i>	2.58	
			<i>For Scored Block, Add</i>	0.58	
			<i>For Curved Wall Application, Add</i>	1.98	
			<i>For <10, Small Area Replacements (Individual Areas), Add</i>	15.08	
04 22 23 13-0025	SF		8" x 16" x 12", Lightweight, Regular, Partition Concrete Block.....	15.29	
			<i>For Special Color, Add</i>	2.59	
			<i>For Stacked Bond, Add</i>	3.16	
			<i>For Scored Block, Add</i>	0.62	
			<i>For Curved Wall Application, Add</i>	2.43	
			<i>For <10, Small Area Replacements (Individual Areas), Add</i>	18.49	
04 22 23 13-0026			Lightweight, Solid, Partition Concrete Blocks (04 22 23 13-0019)		
04 22 23 13-0027	SF		8" x 16" x 4", Lightweight, Solid, Partition Concrete Block.....	10.40	
			<i>For Special Color, Add</i>	1.68	
			<i>For Stacked Bond, Add</i>	2.18	
			<i>For Scored Block, Add</i>	0.41	
			<i>For Curved Wall Application, Add</i>	1.67	
			<i>For <10, Small Area Replacements (Individual Areas), Add</i>	12.71	
04 22 23 13-0028	SF		8" x 16" x 6", Lightweight, Solid, Partition Concrete Block.....	11.41	
			<i>For Special Color, Add</i>	1.83	
			<i>For Stacked Bond, Add</i>	2.39	
			<i>For Scored Block, Add</i>	0.44	
			<i>For Curved Wall Application, Add</i>	1.84	
			<i>For <10, Small Area Replacements (Individual Areas), Add</i>	13.98	
04 22 23 13-0029	SF		8" x 16" x 8", Lightweight, Solid, Partition Concrete Block.....	12.03	
			<i>For Special Color, Add</i>	1.88	
			<i>For Stacked Bond, Add</i>	2.54	
			<i>For Scored Block, Add</i>	0.45	
			<i>For Curved Wall Application, Add</i>	1.95	
			<i>For <10, Small Area Replacements (Individual Areas), Add</i>	14.81	
04 22 23 13-0030	SF		8" x 16" x 10", Lightweight, Solid, Partition Concrete Block.....	13.38	
			<i>For Special Color, Add</i>	2.61	
			<i>For Stacked Bond, Add</i>	2.66	
			<i>For Scored Block, Add</i>	0.63	
			<i>For Curved Wall Application, Add</i>	2.05	
			<i>For <10, Small Area Replacements (Individual Areas), Add</i>	15.58	
04 22 23 13-0031	SF		8" x 16" x 12", Lightweight, Solid, Partition Concrete Block.....	15.93	
			<i>For Special Color, Add</i>	2.79	
			<i>For Stacked Bond, Add</i>	3.27	
			<i>For Scored Block, Add</i>	0.67	
			<i>For Curved Wall Application, Add</i>	2.51	
			<i>For <10, Small Area Replacements (Individual Areas), Add</i>	19.11	



Masonry	04	04
Unit Masonry	04 20	
Concrete Unit Masonry	04 22	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 22 23 13-0032 Normal Weight, Regular, Partition Concrete Blocks <small>(04 22 23 13-0019)</small>		
04 22 23 13-0033 SF 8" x 16" x 4", Normal Weight, Regular, Partition Concrete Block.....	9.89	
For Special Color, Add	1.26	
For Stacked Bond, Add	2.18	
For Scored Block, Add	0.30	
For 4" High (Half Height) Block, Add	1.46	
For Curved Wall Application, Add	1.67	
For <10, Small Area Replacements (Individual Areas), Add	12.67	
04 22 23 13-0034 SF 8" x 16" x 6", Normal Weight, Regular, Partition Concrete Block.....	10.95	
For Special Color, Add	1.44	
For Stacked Bond, Add	2.39	
For Scored Block, Add	0.35	
For 4" High (Half Height) Block, Add	1.63	
For Curved Wall Application, Add	1.84	
For <10, Small Area Replacements (Individual Areas), Add	13.95	
04 22 23 13-0035 SF 8" x 16" x 8", Normal Weight, Regular, Partition Concrete Block.....	11.77	
For Special Color, Add	1.67	
For Stacked Bond, Add	2.54	
For Scored Block, Add	0.40	
For 4" High (Half Height) Block, Add	1.80	
For Curved Wall Application, Add	1.95	
For <10, Small Area Replacements (Individual Areas), Add	14.79	
04 22 23 13-0036 SF 8" x 16" x 10", Normal Weight, Regular, Partition Concrete Block.....	14.10	
For Special Color, Add	3.21	
For Stacked Bond, Add	2.66	
For Scored Block, Add	0.77	
For 4" High (Half Height) Block, Add	2.61	
For Curved Wall Application, Add	2.05	
For <10, Small Area Replacements (Individual Areas), Add	15.64	
04 22 23 13-0037 SF 8" x 16" x 12", Normal Weight, Regular, Partition Concrete Block.....	16.56	
For Special Color, Add	3.31	
For Stacked Bond, Add	3.27	
For Scored Block, Add	0.80	
For 4" High (Half Height) Block, Add	2.89	
For Curved Wall Application, Add	2.51	
For <10, Small Area Replacements (Individual Areas), Add	19.15	
04 22 23 13-0038 Normal Weight, Solid, Partition Concrete Blocks <small>(04 22 23 13-0019)</small>		
04 22 23 13-0039 SF 8" x 16" x 4", Normal Weight, Solid, Partition Concrete Block.....	10.54	
For Special Color, Add	1.61	
For Stacked Bond, Add	2.24	
For Scored Block, Add	0.39	
For 4" High (Half Height) Block, Add	1.66	
For Curved Wall Application, Add	1.72	
For <10, Small Area Replacements (Individual Areas), Add	13.05	
04 22 23 13-0040 SF 8" x 16" x 6", Normal Weight, Solid, Partition Concrete Block.....	11.27	
For Special Color, Add	1.49	
For Stacked Bond, Add	2.46	
For Scored Block, Add	0.36	
For 4" High (Half Height) Block, Add	1.68	
For Curved Wall Application, Add	1.90	
For <10, Small Area Replacements (Individual Areas), Add	14.35	
04 22 23 13-0041 SF 8" x 16" x 8", Normal Weight, Solid, Partition Concrete Block.....	12.15	
For Special Color, Add	1.73	
For Stacked Bond, Add	2.62	
For Scored Block, Add	0.42	
For 4" High (Half Height) Block, Add	1.86	
For Curved Wall Application, Add	2.01	
For <10, Small Area Replacements (Individual Areas), Add	15.26	
04 22 23 13-0042 SF 8" x 16" x 10", Normal Weight, Solid, Partition Concrete Block.....	13.34	
For Special Color, Add	2.31	
For Stacked Bond, Add	2.75	
For Scored Block, Add	0.56	
For 4" High (Half Height) Block, Add	2.20	
For Curved Wall Application, Add	2.11	
For <10, Small Area Replacements (Individual Areas), Add	16.05	
04 22 23 13-0043 SF 8" x 16" x 12", Normal Weight, Solid, Partition Concrete Block.....	15.91	
For Special Color, Add	2.41	
For Stacked Bond, Add	3.38	
For Scored Block, Add	0.58	
For 4" High (Half Height) Block, Add	2.49	
For Curved Wall Application, Add	2.60	
For <10, Small Area Replacements (Individual Areas), Add	19.73	
04 22 23 13-0044 High Strength Concrete Blocks <small>(04 22 23 13)</small>		
04 22 23 13-0045 3,500 PSI, High Strength Concrete Blocks <small>(04 22 23 13-0044)</small>		
04 22 23 13-0046 SF 8" x 16" x 2", 3,500 PSI, High Strength Concrete Block.....	9.50	
For Special Color, Add	1.29	
For Stacked Bond, Add	2.07	
For Scored Block, Add	0.31	
For Curved Wall Application, Add	1.59	

04	Masonry
04 20	Unit Masonry
04 22	Concrete Unit Masonry



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 22 23 13-0047	SF		8" x 16" x 4", 3,500 PSI, High Strength Concrete Block.....	9.81	
			<i>For Special Color, Add</i>	1.20	
			<i>For Stacked Bond, Add</i>	2.18	
			<i>For Scored Block, Add</i>	0.29	
			<i>For Curved Wall Application, Add</i>	1.67	
04 22 23 13-0048	SF		8" x 16" x 6", 3,500 PSI, High Strength Concrete Block.....	11.08	
			<i>For Special Color, Add</i>	1.55	
			<i>For Stacked Bond, Add</i>	2.39	
			<i>For Scored Block, Add</i>	0.37	
			<i>For Curved Wall Application, Add</i>	1.84	
04 22 23 13-0049	SF		8" x 16" x 8", 3,500 PSI, High Strength Concrete Block.....	11.98	
			<i>For Special Color, Add</i>	1.84	
			<i>For Stacked Bond, Add</i>	2.54	
			<i>For Scored Block, Add</i>	0.44	
			<i>For Curved Wall Application, Add</i>	1.95	
04 22 23 13-0050	SF		8" x 16" x 10", 3,500 PSI, High Strength Concrete Block.....	13.47	
			<i>For Special Color, Add</i>	2.56	
			<i>For Stacked Bond, Add</i>	2.70	
			<i>For Scored Block, Add</i>	0.62	
			<i>For Curved Wall Application, Add</i>	2.08	
04 22 23 13-0051	SF		8" x 16" x 12", 3,500 PSI, High Strength Concrete Block.....	15.81	
			<i>For Special Color, Add</i>	2.69	
			<i>For Stacked Bond, Add</i>	3.27	
			<i>For Scored Block, Add</i>	0.65	
			<i>For Curved Wall Application, Add</i>	2.51	
04 22 23 13-0052			Solar Screen Concrete Blocks (04 22 23 13)		
04 22 23 13-0053			Solar Screen Concrete Blocks (04 22 23 13-0052)		
04 22 23 13-0054	SF		6" x 6" x 4" Solar Screen Concrete Block.....	13.39	
			<i>For Special Color, Add</i>	3.01	
			<i>For Stacked Bond, Add</i>	2.54	
			<i>For Scored Block, Add</i>	0.73	
			<i>For Curved Wall Application, Add</i>	1.95	
04 22 23 13-0055	SF		8" x 8" x 4" Solar Screen Concrete Block.....	14.39	
			<i>For Special Color, Add</i>	3.05	
			<i>For Stacked Bond, Add</i>	2.78	
			<i>For Scored Block, Add</i>	0.74	
			<i>For Curved Wall Application, Add</i>	2.14	
04 22 23 13-0056	SF		12" x 12" x 4" Solar Screen Concrete Block.....	16.59	
			<i>For Special Color, Add</i>	3.83	
			<i>For Stacked Bond, Add</i>	3.11	
			<i>For Scored Block, Add</i>	0.92	
			<i>For Curved Wall Application, Add</i>	2.39	
04 22 23 13-0057	SF		8" x 16" x 8" Solar Screen Concrete Block.....	23.37	
			<i>For Special Color, Add</i>	4.72	
			<i>For Stacked Bond, Add</i>	4.60	
			<i>For Scored Block, Add</i>	1.14	
			<i>For Curved Wall Application, Add</i>	3.54	
04 22 23 13-0058			Bond Beam Or Lintel Concrete Blocks (04 22 23 13)		
04 22 23 13-0059			Bond Beam Or Lintel Concrete Blocks (04 22 23 13-0058)		
			Note: Excludes concrete fill and reinforcing. See CSI section 04 05 16 26-0000 for concrete fill.		
04 22 23 13-0060	LF		8" x 16" x 6" Regular Weight, Bond Beam Or Lintel Concrete Block.....	11.25	
			<i>For Special Color, Add</i>	1.69	
			<i>For Stacked Bond, Add</i>	2.39	
			<i>For Grout And Fill With 2 #5 Rebar, Add</i>	6.65	
			<i>For Scored Block, Add</i>	0.41	
			<i>For Curved Wall Application, Add</i>	1.84	
04 22 23 13-0061	LF		8" x 16" x 8" Regular Weight, Bond Beam Or Lintel Concrete Block.....	12.30	
			<i>For Special Color, Add</i>	2.11	
			<i>For Stacked Bond, Add</i>	2.54	
			<i>For Grout And Fill With 2 #5 Rebar, Add</i>	7.42	
			<i>For Scored Block, Add</i>	0.51	
			<i>For Curved Wall Application, Add</i>	1.95	
04 22 23 13-0062	LF		8" x 16" x 12" Regular Weight, Bond Beam Or Lintel Concrete Block.....	15.30	
			<i>For Special Color, Add</i>	2.27	
			<i>For Stacked Bond, Add</i>	3.27	
			<i>For Grout And Fill With 2 #5 Rebar, Add</i>	9.02	
			<i>For Scored Block, Add</i>	0.55	
			<i>For Curved Wall Application, Add</i>	2.51	
04 22 23 13-0063	LF		8" x 16" x 6" Lightweight, Bond Beam Or Lintel Concrete Block.....	11.22	
			<i>For Special Color, Add</i>	1.98	
			<i>For Stacked Bond, Add</i>	2.30	
			<i>For Grout And Fill With 2 #5 Rebar, Add</i>	6.81	
			<i>For Scored Block, Add</i>	0.48	
			<i>For Curved Wall Application, Add</i>	1.77	
04 22 23 13-0064	LF		8" x 16" x 8" Lightweight, Bond Beam Or Lintel Concrete Block.....	12.36	
			<i>For Special Color, Add</i>	2.39	
			<i>For Stacked Bond, Add</i>	2.46	
			<i>For Grout And Fill With 2 #5 Rebar, Add</i>	7.62	
			<i>For Scored Block, Add</i>	0.58	
			<i>For Curved Wall Application, Add</i>	1.90	



Masonry	04	04
Unit Masonry	04 20	
Concrete Unit Masonry	04 22	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 22 23 13-0065 LF 8" x 16" x 12" Lightweight, Bond Beam Or Lintel Concrete Block.....	15.24	
For Special Color, Add	2.55	
For Stacked Bond, Add	3.16	
For Grout And Fill With 2 #5 Rebar, Add	9.16	
For Scored Block, Add	0.61	
For Curved Wall Application, Add	2.43	
04 22 23 23 Prefaced Concrete Unit Masonry (04 22 23)		
04 22 23 23-0001 Ground Face Concrete Blocks (04 22 23 23)		
04 22 23 23-0002 SF 8" x 16" x 4" Ground Face Concrete Block	12.67	
For Special Color, Add	2.03	
For Stacked Bond, Add	2.66	
For Scored Block, Add	0.49	
For Curved Wall Application, Add	2.05	
For <10, Small Area Replacements (Individual Areas), Add	15.53	
04 22 23 23-0003 SF 8" x 16" x 6" Ground Face Concrete Block	14.29	
For Special Color, Add	2.31	
For Stacked Bond, Add	2.99	
For Scored Block, Add	0.56	
For Curved Wall Application, Add	2.30	
For <10, Small Area Replacements (Individual Areas), Add	17.47	
04 22 23 23-0004 SF 8" x 16" x 8" Ground Face Concrete Block	15.45	
For Special Color, Add	2.73	
For Stacked Bond, Add	3.16	
For Scored Block, Add	0.66	
For Curved Wall Application, Add	2.43	
For <10, Small Area Replacements (Individual Areas), Add	18.49	
04 22 23 23-0005 SF 8" x 16" x 10" Ground Face Concrete Block	16.52	
For Special Color, Add	3.01	
For Stacked Bond, Add	3.35	
For Scored Block, Add	0.73	
For Curved Wall Application, Add	2.58	
For <10, Small Area Replacements (Individual Areas), Add	19.61	
04 22 23 23-0006 SF 8" x 16" x 12" Ground Face Concrete Block	19.68	
For Special Color, Add	3.30	
For Stacked Bond, Add	4.08	
For Scored Block, Add	0.79	
For Curved Wall Application, Add	3.14	
For <10, Small Area Replacements (Individual Areas), Add	23.86	
04 22 23 26 Sound-Absorbing Concrete Unit Masonry (04 22 23)		
04 22 23 26-0001 Acoustical Slotted Concrete Block (04 22 23 26)		
04 22 23 26-0002 SF 4" Thick, .45 - .55 NRC, Slotted, Acoustical Concrete Block	16.98	
For Special Color, Add	0.61	
For Stacked Bond, Add	1.02	
04 22 23 26-0003 SF 6" Thick, .45 - .55 NRC, Slotted, Acoustical Concrete Block	19.03	
For Special Color, Add	0.71	
For Stacked Bond, Add	1.11	
04 22 23 26-0004 SF 8" Thick, .50 - .60 NRC, Slotted, Acoustical Concrete Block	21.91	
For Special Color, Add	0.88	
For Stacked Bond, Add	1.22	
04 22 23 26-0005 SF 4" Thick, .65 - .75 NRC, Slotted With Filled Cavities, Acoustical Concrete Block	23.11	
For Special Color, Add	1.16	
For Stacked Bond, Add	1.02	
04 22 23 26-0006 SF 8" Thick, .50 - .60 NRC, Slotted With Filled Cavities, Acoustical Concrete Block	23.07	
For Special Color, Add	0.98	
For Stacked Bond, Add	1.22	
04 22 23 26-0007 SF 8" Thick, .60 - .75 NRC, Slotted With Filled Cavities, Acoustical Concrete Block	24.61	
For Special Color, Add	1.12	
For Stacked Bond, Add	1.22	
04 22 23 29 Split-Face Concrete Unit Masonry (04 22 23)		
04 22 23 29-0001 Modified Face Concrete Blocks (04 22 23 29)		
04 22 23 29-0002 Plain Or Scored Split Faced Concrete Blocks (04 22 23 29-0001)		
04 22 23 29-0003 SF 8" x 16" x 4" Plain Or Scored Split Face Concrete Block	12.96	
For Special Color, Add	2.27	
For Stacked Bond, Add	2.66	
For Curved Wall Application, Add	2.05	
For <10, Small Area Replacements (Individual Areas), Add	15.55	
04 22 23 29-0004 SF 8" x 16" x 6" Plain Or Scored Split Face Concrete Block	14.63	
For Special Color, Add	2.59	
For Stacked Bond, Add	2.99	
For Curved Wall Application, Add	2.30	
For <10, Small Area Replacements (Individual Areas), Add	17.50	
04 22 23 29-0005 SF 8" x 16" x 8" Plain Or Scored Split Face Concrete Block	15.84	
For Special Color, Add	3.05	
For Stacked Bond, Add	3.16	
For Curved Wall Application, Add	2.43	
For <10, Small Area Replacements (Individual Areas), Add	18.52	

04	Masonry
04 20	Unit Masonry
04 22	Concrete Unit Masonry



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 22 23 29-0006 SF 8" x 16" x 10" Plain Or Scored Split Face Concrete Block	16.98	
For Special Color, Add	3.39	
For Stacked Bond, Add	3.35	
For Curved Wall Application, Add	2.58	
For <10, Small Area Replacements (Individual Areas), Add	19.64	
04 22 23 29-0007 SF 8" x 16" x 12" Plain Or Scored Split Face Concrete Block	19.65	
For Special Color, Add	3.27	
For Stacked Bond, Add	4.08	
For Curved Wall Application, Add	3.14	
For <10, Small Area Replacements (Individual Areas), Add	23.86	
04 22 23 29-0008 Plain Or Scored Split Faced Bond Beam Or Lintel Concrete Blocks (04 22 23 29-0001)		
04 22 23 29-0009 SF 8" x 16" x 4" Plain Or Scored Split Face Bond Beam Or Lintel Concrete Blocks	13.65	
For Special Color, Add	2.84	
For Stacked Bond, Add	2.66	
For Grout And Fill With 2 #5 Rebar, Add	8.54	
For Curved Wall Application, Add	2.05	
For <10, Small Area Replacements (Individual Areas), Add	15.60	
04 22 23 29-0010 SF 8" x 16" x 6" Plain Or Scored Split Face Bond Beam Or Lintel Concrete Blocks	15.41	
For Special Color, Add	3.24	
For Stacked Bond, Add	2.99	
For Grout And Fill With 2 #5 Rebar, Add	9.66	
For Curved Wall Application, Add	2.30	
For <10, Small Area Replacements (Individual Areas), Add	17.56	
04 22 23 29-0011 SF 8" x 16" x 8" Plain Or Scored Split Face Bond Beam Or Lintel Concrete Blocks	16.76	
For Special Color, Add	3.82	
For Stacked Bond, Add	3.16	
For Grout And Fill With 2 #5 Rebar, Add	10.68	
For Curved Wall Application, Add	2.43	
For <10, Small Area Replacements (Individual Areas), Add	18.59	
04 22 23 29-0012 SF 8" x 16" x 10" Plain Or Scored Split Face Bond Beam Or Lintel Concrete Blocks	18.00	
For Special Color, Add	4.24	
For Stacked Bond, Add	3.35	
For Grout And Fill With 2 #5 Rebar, Add	11.56	
For Curved Wall Application, Add	2.58	
For <10, Small Area Replacements (Individual Areas), Add	19.72	
04 22 23 29-0013 SF 8" x 16" x 12" Plain Or Scored Split Face Bond Beam Or Lintel Concrete Blocks	20.64	
For Special Color, Add	4.09	
For Stacked Bond, Add	4.08	
For Grout And Fill With 2 #5 Rebar, Add	12.79	
For Curved Wall Application, Add	3.14	
For <10, Small Area Replacements (Individual Areas), Add	23.93	
04 22 23 29-0014 Profile Units, Split Rib Concrete Block (04 22 23 29)		
04 22 23 29-0015 1" Deep Ribs, Profile Units, Split Rib Concrete Block (04 22 23 29-0014)		
04 22 23 29-0016 SF 8" x 16" x 4", 1" Deep Ribs, Profile Units, Split Rib Concrete Block	12.75	
For Special Color, Add	2.09	
For Stacked Bond, Add	2.66	
For Scored Block, Add	0.50	
For Curved Wall Application, Add	2.05	
For <10, Small Area Replacements (Individual Areas), Add	15.53	
04 22 23 29-0017 SF 8" x 16" x 6", 1" Deep Ribs, Profile Units, Split Rib Concrete Block	15.14	
For Special Color, Add	3.01	
For Stacked Bond, Add	2.99	
For Scored Block, Add	0.73	
For Curved Wall Application, Add	2.30	
For <10, Small Area Replacements (Individual Areas), Add	17.54	
04 22 23 29-0018 SF 8" x 16" x 8", 1" Deep Ribs, Profile Units, Split Rib Concrete Block	16.10	
For Special Color, Add	3.27	
For Stacked Bond, Add	3.16	
For Scored Block, Add	0.79	
For Curved Wall Application, Add	2.43	
For <10, Small Area Replacements (Individual Areas), Add	18.54	
04 22 23 29-0019 SF 8" x 16" x 10", 1" Deep Ribs, Profile Units, Split Rib Concrete Block	17.20	
For Special Color, Add	3.58	
For Stacked Bond, Add	3.35	
For Scored Block, Add	0.86	
For Curved Wall Application, Add	2.58	
For <10, Small Area Replacements (Individual Areas), Add	19.66	
04 22 23 29-0020 SF 8" x 16" x 12", 1" Deep Ribs, Profile Units, Split Rib Concrete Block	20.43	
For Special Color, Add	3.92	
For Stacked Bond, Add	4.08	
For Scored Block, Add	0.94	
For Curved Wall Application, Add	3.14	
For <10, Small Area Replacements (Individual Areas), Add	23.92	
04 22 23 31 Glazed Concrete Masonry Unit (04 22 23)		
Note: Includes concrete block and mortar.		
04 22 23 31-0001 One Glazed Face Concrete Blocks (04 22 23 31)		
04 22 23 31-0002 One Glazed Face Concrete Blocks (04 22 23 31-0001)		



Masonry	04	04
Unit Masonry	04 20	
Concrete Unit Masonry	04 22	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 22 23 31-0003 SF 4" Thick, One Glazed Face Concrete Block..... <i>For Special Shapes, Add</i>	22.00 12.09	
04 22 23 31-0004 SF 6" Thick, One Glazed Face Concrete Block..... <i>For Special Shapes, Add</i>	23.58 12.66	
04 22 23 31-0005 SF 8" Thick, One Glazed Face Concrete Block..... <i>For Special Shapes, Add</i>	24.97 13.46	
04 22 23 31-0006 SF 10" Thick, One Glazed Face Concrete Block..... <i>For Special Shapes, Add</i>	26.45 14.29	
04 22 23 31-0007 SF 12" Thick, One Glazed Face Concrete Block..... <i>For Special Shapes, Add</i>	29.78 14.99	
04 22 23 31-0008 Two Glazed Faces Concrete Blocks (04 22 23 31)		
04 22 23 31-0009 Two Glazed Faces Concrete Blocks (04 22 23 31-0008)		
04 22 23 31-0010 SF 4" Thick, Two Glazed Faces Concrete Block..... <i>For Special Shapes, Add</i>	29.27 17.96	
04 22 23 31-0011 SF 6" Thick, Two Glazed Faces Concrete Block..... <i>For Special Shapes, Add</i>	30.72 18.56	
04 22 23 31-0012 SF 8" Thick, Two Glazed Faces Concrete Block..... <i>For Special Shapes, Add</i>	32.79 19.36	
04 22 23 31-0013 Glazed Cove Base Concrete Blocks (04 22 23 31)		
04 22 23 31-0014 LF 2" Thick, Glazed Cove Base Concrete Block..... <i>For Special Shapes, Add</i>	23.72 10.83	
04 22 23 31-0015 LF 4" Thick, Glazed Cove Base Concrete Block..... <i>For Special Shapes, Add</i>	25.07 11.06	
04 22 23 31-0016 LF 6" Thick, Glazed Cove Base Concrete Block..... <i>For Special Shapes, Add</i>	26.87 11.53	
04 22 23 31-0017 LF 8" Thick, Glazed Cove Base Concrete Block..... <i>For Special Shapes, Add</i>	28.62 12.09	
04 22 23 31-0018 Glazed Corner, Bullnose Or Square Concrete Blocks (04 22 23 31)		
04 22 23 31-0019 EA 2" Thick, Glazed Corner, Bullnose Or Square Concrete Block..... <i>For Special Shapes, Add</i>	30.98 20.75	
04 22 23 31-0020 EA 4" Thick, Glazed Corner, Bullnose Or Square Concrete Block..... <i>For Special Shapes, Add</i>	36.12 24.81	
04 22 23 31-0021 EA 6" Thick, Glazed Corner, Bullnose Or Square Concrete Block..... <i>For Special Shapes, Add</i>	38.57 26.18	
04 22 23 31-0022 EA 8" Thick, Glazed Corner, Bullnose Or Square Concrete Block..... <i>For Special Shapes, Add</i>	40.47 27.58	
04 22 23 31-0023 EA 10" Thick, Glazed Corner, Bullnose Or Square Concrete Block..... <i>For Special Shapes, Add</i>	61.86 48.43	
04 22 23 31-0024 EA 12" Thick, Glazed Corner, Bullnose Or Square Concrete Block..... <i>For Special Shapes, Add</i>	70.55 54.14	
04 23 Glass Unit Masonry (04 20)		
04 23 13 Vertical Glass Unit Masonry (04 23)		
Note: Includes 1/4" mortar joints and caulking. Excludes joint reinforcement and anchors.		
04 23 13 00-0001 Glass Block Unit Masonry (04 23 13)		
04 23 13 00-0002 SF 6" x 6" x 4" Plain Glass Block..... <i>For Solar Reflective (Suntrol) Blocks, Add</i> <i>For Essex (Horizontal Striated) Blocks, Add</i> <i>For Sculptured Or Patterned Blocks, Add</i> <i>For Colored Glass, Add</i> <i>For Thinline Block, Deduct</i> <i>For >1,000 To 5,000, Deduct</i> <i>For >5,000, Deduct</i>	42.34 5.69 3.25 5.69 16.25 -4.06 -3.41 -5.52	
04 23 13 00-0003 SF 8" x 8" x 4" Plain Glass Block..... <i>For Solar Reflective (Suntrol) Blocks, Add</i> <i>For Essex (Horizontal Striated) Blocks, Add</i> <i>For Sculptured Or Patterned Blocks, Add</i> <i>For Colored Glass, Add</i> <i>For Thinline Block, Deduct</i> <i>For >1,000 To 5,000, Deduct</i> <i>For >5,000, Deduct</i>	30.69 4.03 2.30 4.03 11.51 -2.88 -2.49 -4.02	
04 23 13 00-0004 SF 12" x 12" x 4" Plain Glass Block..... <i>For Solar Reflective (Suntrol) Blocks, Add</i> <i>For Essex (Horizontal Striated) Blocks, Add</i> <i>For Sculptured Or Patterned Blocks, Add</i> <i>For Colored Glass, Add</i> <i>For Thinline Block, Deduct</i> <i>For >1,000 To 5,000, Deduct</i> <i>For >5,000, Deduct</i>	32.34 5.15 2.94 5.15 14.70 -3.68 -2.49 -4.11	
04 23 13 00-0005 Solid Glass Block (Vistabrik®) (04 23 13)		
04 23 13 00-0006 SF 3" x 8" x 3" Solid Glass Block (Vistabrik®).....	299.29	
04 23 13 00-0007 SF 4" x 8" x 3" Solid Glass Block (Vistabrik®).....	229.99	

04	Masonry
04 20	Unit Masonry
04 23	Glass Unit Masonry



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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04 23 13 00-0008	SF		6" x 8" x 3" Solid Glass Block (Vistabrik®).....	161.51	
04 23 13 00-0009	SF		8" x 8" x 3" Solid Glass Block (Vistabrik®).....	113.67	

04 26 Single-Wythe Unit Masonry (04 20)

04 26 13 Masonry Veneer (04 26)

04 26 13 00-0001			Brick Veneer And Accessories <small>(04 26 13)</small>		
04 26 13 00-0002			Brick Stretchers <small>(04 26 13 00-0001)</small>		
04 26 13 00-0003	SF		1/2" x 2-1/4" x 7-5/8" Brick Veneer, Stretcher, Smooth Finish	11.28	1.12
			<i>For Sand Finish, Deduct</i>	-0.81	
			<i>For Wire Cut Finish, Add</i>	0.72	
04 26 13 00-0004	SF		1/2" x 3-5/8" x 7-5/8" Brick Veneer, Stretcher, Smooth Finish	11.56	1.26
			<i>For Sand Finish, Deduct</i>	-0.81	
			<i>For Wire Cut Finish, Add</i>	0.72	
04 26 13 00-0005	SF		1/2" x 3-5/8" x 11-5/8" Brick Veneer, Stretcher, Smooth Finish	11.92	1.45
			<i>For Sand Finish, Deduct</i>	-0.81	
			<i>For Wire Cut Finish, Add</i>	0.72	
04 26 13 00-0006			Brick Corners <small>(04 26 13 00-0001)</small>		
04 26 13 00-0007	LF		1/2" x 2-1/4" x 7-5/8" Brick Veneer, Smooth Finish, Corner.....	21.68	3.36
04 26 13 00-0008	LF		1/2" x 3-5/8" x 7-5/8" Brick Veneer, Smooth Finish, Corner.....	19.19	3.35
04 26 13 00-0009			Brick Caps And Sills <small>(04 26 13 00-0001)</small>		
04 26 13 00-0010	LF		1" x 3 7/8" Brick Veneer, Smooth, Rolok Sill With Bracket.....	18.01	4.07
04 26 13 00-0011	EA		3-5/8" x 2-1/4" x 7-5/8" Brick Veneer Edge Cap.....	10.00	1.68
04 26 13 00-0012	EA		3-5/8" x 2-1/4" x 7-5/8" Brick Veneer Corner Edge Cap, L or R.....	16.56	1.68
04 26 13 00-0013			Brick Veneer Accessories <small>(04 26 13 00-0001)</small>		
04 26 13 00-0014	LF		2-7/8" Brick Veneer, Starter Angle.....	4.79	0.64
04 26 13 00-0015	LF		3-5/8" Brick Veneer, Top Side Angle.....	5.04	0.64

04 40 Stone Assemblies (04)

Note: Includes pointing and cleaning of new stone and mortar. All stone prices include material and mortar.

04 41 Dry-Placed Stone (04 40)

04 41 00 00-0001			Ashlar Veneer, Random Size, Square Cut Rough Stone <small>(04 41)</small>		
04 41 00 00-0002	SF		4" Thick Ashlar Veneer, Random Size, Square Cut Rough Stone.....	33.46	6.21
04 41 00 00-0003	SF		6" Thick Ashlar Veneer, Random Size, Square Cut Rough Stone.....	34.38	6.21

04 42 Exterior Stone Cladding (04 40)

04 42 43 Stone Panels For Curtain Walls (04 42)

04 42 43 00-0001			Marble Facing Panels <small>(04 42 43)</small>		
			Note: 3' x 1.5'		
04 42 43 00-0002	SF		3/4" Thick Marble Facing Panels	57.63	13.16
04 42 43 00-0003	SF		7/8" Thick Marble Facing Panels	60.98	13.33
04 42 43 00-0004	SF		1-1/2" Thick Marble Facing Panels	70.76	13.59
04 42 43 00-0005	SF		2" Thick Marble Facing Panels	77.94	14.00
04 42 43 00-0006	SF		2-1/4" Thick Marble Facing Panels	83.07	14.85
04 42 43 00-0007	CF		Marble Face Panel.....	352.89	48.40
04 42 43 00-0008			Smooth Limestone Panels <small>(04 42 43)</small>		
			Note: Up to 12' x 5' panels.		
04 42 43 00-0009	SF		1-1/2" Thick Smooth Limestone Panels	48.54	26.40
04 42 43 00-0010	SF		2" Thick Smooth Limestone Panels	51.58	27.68
04 42 43 00-0011	SF		3" Thick Smooth Limestone Panels	54.82	28.95
04 42 43 00-0012	SF		4" Thick Smooth Limestone Panels	64.09	31.84
04 42 43 00-0013			Sandstone Panels <small>(04 42 43)</small>		
04 42 43 00-0014	SF		2-1/2" Thick Sandstone Panels.....	56.52	27.68
04 42 43 00-0015	SF		4" Thick Sandstone Panels.....	61.58	31.84
04 42 43 00-0016	SF		Split Face Sandstone Panels, Random Sizes.....	55.71	31.84

04 43 Stone Masonry (04 40)

04 43 16 Stone Fabrications (04 43)

04 43 16 00-0001			Marble <small>(04 43 16)</small>		
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Masonry	04	04
Stone Assemblies	04 40	
Stone Masonry	04 43	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 43 16 00-0002 Marble Base (04 43 16 00-0001)		
Note: 1" thick.		
04 43 16 00-0003 LF 4" High Marble Base.....	88.16	55.69
04 43 16 00-0004 LF 6" High Marble Base.....	100.11	60.67
04 43 16 00-0005 Marble Columns (04 43 16 00-0001)		
04 43 16 00-0006 CF Plain Faced Solid Marble Columns.....	240.53	48.40
04 43 16 00-0007 CF Fluted, Carved Solid Marble Columns	405.61	48.40
04 43 16 00-0008 Marble Flooring (04 43 16 00-0001)		
04 43 16 00-0009 SF 3/8" Uniform Color Marble Flooring.....	24.82	12.75
04 43 16 00-0010 SF 1/2" Uniform Color Marble Flooring.....	26.65	12.75
04 43 16 00-0011 SF 1/2" Travertine Marble Flooring	31.99	14.57
04 43 16 00-0012 Marble Items (04 43 16 00-0001)		
04 43 16 00-0013 LF 12" Marble Stair Treads	66.35	20.10
04 43 16 00-0014 LF 6" Wide Marble Stair Risers.....	50.50	16.12
04 43 16 00-0015 LF 6" Wide x 2" Thick Marble Window Sills.....	30.17	11.93
04 43 16 00-0016 LF 5" Wide x 7/8" Thick Marble Window Stool, Polished	58.94	14.64
04 43 16 00-0017 SF 7/8" Thick, Non Skid, Marble Patio Blocks.....	33.10	18.49
04 43 16 00-0018 Limestone (04 43 16)		
04 43 16 00-0019 Ashlar Veneer Limestone (04 43 16 00-0018)		
04 43 16 00-0020 SF 4" Ashlar Veneer Limestone, Random Sizes	53.15	20.10
04 43 16 00-0021 SF 6" To 8" Thick, Pitched Face Ashlar Veneer Limestone, Random Sizes	81.49	27.62
<i>For High Lime Historic Mortar, Add 0.04</i>		
04 43 16 00-0022 Limestone Coping (04 43 16 00-0018)		
Note: Measured from the highest point. Includes drilling into existing materials, caulk and ties.		
04 43 16 00-0023 SF 2-1/2" Thick Limestone Coping.....	24.90	6.79
04 43 16 00-0024 SF 3" Thick Limestone Coping	28.01	7.21
04 43 16 00-0025 SF 3-1/2" Thick Limestone Coping.....	31.12	7.64
04 43 16 00-0026 SF 4" Thick Limestone Coping.....	33.38	7.90
04 43 16 00-0027 SF 5" Thick Limestone Coping.....	38.76	8.06
04 43 16 00-0028 SF 6" Thick Limestone Coping.....	57.45	8.49
04 43 16 00-0029 CF >6" Thick Limestone Coping.....	95.71	18.11
04 43 16 00-0030 Limestone Stair Treads (04 43 16 00-0018)		
04 43 16 00-0031 SF 2" Thick Limestone Treads	29.20	6.36
04 43 16 00-0032 SF 2-1/2" Thick Limestone Treads	31.13	6.79
04 43 16 00-0033 SF 3" Thick Limestone Treads	34.98	7.21
04 43 16 00-0034 SF 3-1/2" Thick Limestone Treads	37.98	7.64
04 43 16 00-0035 SF 4" Thick Limestone Treads	40.97	7.64
04 43 16 00-0036 SF 5" Thick Limestone Treads	45.27	8.06
04 43 16 00-0037 SF 6" Thick Limestone Tread, Smooth Finish	63.91	8.49
04 43 16 00-0038 Limestone Items (04 43 16 00-0018)		
04 43 16 00-0039 CF Sawn Edge Limestone Block, Sill, Lintel, Jamb And Other Trim.....	160.57	67.92
04 43 16 00-0040 Granite (04 43 16)		
04 43 16 00-0041 Polished Granite Veneer Facing Panels (04 43 16 00-0040)		
Note: Excludes structural support steel.		
04 43 16 00-0042 SF 7/8" Thick Black Polished Granite Veneer Facing Panels.....	73.55	26.58
04 43 16 00-0043 SF 7/8" Thick Gray Polished Granite Veneer Facing Panels.....	67.51	26.58
04 43 16 00-0044 Granite Stair Treads (04 43 16 00-0040)		
04 43 16 00-0045 SF 2" Thick Granite Stair Tread	42.82	6.36
04 43 16 00-0046 Slate (04 43 16)		
04 43 16 00-0047 Slate Panels Or Sills (04 43 16 00-0046)		
04 43 16 00-0048 SF 1" Thick Slate Panels.....	50.31	26.58
04 43 16 00-0049 SF 2" Thick Slate Panels.....	59.95	26.58
04 43 16 00-0050 Slate Sills Or Stools (04 43 16 00-0046)		
04 43 16 00-0051 LF 6" Wide, 1" Thick Slate Sills Or Stools With Sand Finish.....	23.89	12.00
04 43 16 00-0052 LF 10" Wide, 1" Thick Slate Sills Or Stools With Sand Finish.....	30.02	12.00

04	Masonry
04 40	Stone Assemblies
04 43	Stone Masonry



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 43 16 00-0053 LF 6" Wide, 2" Thick Slate Sills Or Stools With Sand Finish.....	29.15	12.00
04 43 16 00-0054 LF 10" Wide, 2" Thick Slate Sills Or Stools With Sand Finish.....	42.31	12.00
04 43 16 00-0055 Slate Stair Treads (04 43 16 00-0046)		
04 43 16 00-0056 SF 2" Thick Slate Stair Tread.....	35.17	6.36
04 50 Refractory Masonry (04)		
See CSI section 04 22 23 13-0009 for solid concrete block.		
04 51 Flue Liner Masonry (04 50)		
Note: Includes mortar joints. See CSI section 04 21 13 00-0059 for fire brick.		
04 51 00 00-0001 Rectangular Flue Liners (04 51)		
04 51 00 00-0002 VLF 4" x 8" Clay Flue Liners.....	12.36	
04 51 00 00-0003 VLF 8" x 8" Clay Flue Liners.....	16.19	
04 51 00 00-0004 VLF 8" x 12" Clay Flue Liners.....	18.70	
04 51 00 00-0005 VLF 12" x 12" Clay Flue Liners.....	23.10	
04 51 00 00-0006 VLF 12" x 16" Clay Flue Liners.....	27.25	
04 51 00 00-0007 VLF 12" x 18" Clay Flue Liners.....	30.64	
04 51 00 00-0008 VLF 16" x 16" Clay Flue Liners.....	33.65	
04 51 00 00-0009 VLF 16" x 20" Clay Flue Liners.....	40.38	
04 51 00 00-0010 VLF 18" x 18" Clay Flue Liners.....	43.01	
04 51 00 00-0011 VLF 20" x 20" Clay Flue Liners.....	54.41	
04 51 00 00-0012 VLF 20" x 24" Clay Flue Liners.....	59.17	
04 51 00 00-0013 VLF 24" x 24" Clay Flue Liners.....	69.31	
04 51 00 00-0014 Round Flue Liners (04 51)		
04 51 00 00-0015 VLF 6" Diameter Clay Flue Liners.....	27.89	
04 51 00 00-0016 VLF 8" Diameter Clay Flue Liners.....	38.51	
04 51 00 00-0017 VLF 10" Diameter Clay Flue Liners.....	49.52	
04 51 00 00-0018 VLF 12" Diameter Clay Flue Liners.....	59.58	
04 51 00 00-0019 VLF 15" Diameter Clay Flue Liners.....	71.99	
04 51 00 00-0020 VLF 18" Diameter Clay Flue Liners.....	77.73	
04 51 00 00-0021 VLF 21" Diameter Clay Flue Liners.....	98.54	
04 51 00 00-0022 VLF 24" Diameter Clay Flue Liners.....	120.48	
04 51 00 00-0023 VLF 27" Diameter Clay Flue Liners.....	138.85	
04 51 00 00-0024 VLF 30" Diameter Clay Flue Liners.....	157.77	
04 51 00 00-0025 VLF 33" Diameter Clay Flue Liners.....	166.35	
04 51 00 00-0026 VLF 36" Diameter Clay Flue Liners.....	167.61	
04 51 00 00-0027 Standard Chimney Block (04 51)		
Note: Includes refractory mortar. Excludes flue liners.		
04 51 00 00-0028 EA 14" x 14" x 8" Concrete Block Chimney Unit.....	22.82	
04 51 00 00-0029 EA 14" x 18" x 8" Concrete Block Chimney Unit.....	24.61	
04 51 00 00-0030 EA 16" x 16" x 8" Concrete Block Chimney Unit.....	24.79	
04 51 00 00-0031 EA 17" x 17" x 8" Concrete Block Chimney Unit.....	25.95	
04 51 00 00-0032 EA 16" x 20" x 8" Concrete Block Chimney Unit.....	27.23	
04 51 00 00-0033 EA 17" x 21" x 8" Concrete Block Chimney Unit.....	28.58	
04 51 00 00-0034 EA 21" x 21" x 8" Concrete Block Chimney Unit.....	32.12	
04 70 Manufactured Masonry (04)		
04 72 Cast Stone Masonry (04 70)		
04 72 00 00-0001 Precast Concrete Lintels (04 72)		
04 72 00 00-0002 Solid Precast Concrete Lintels (04 72 00 00-0001)		
04 72 00 00-0003 LF 4" x 8", Solid Precast Concrete Lintel.....	11.71	
04 72 00 00-0004 LF 6" x 8", Solid Precast Concrete Lintel.....	14.36	
04 72 00 00-0005 LF 8" x 8", Solid Precast Concrete Lintel.....	17.37	
04 72 00 00-0006 U Shaped Precast Concrete Lintels (04 72 00 00-0001)		
Note: Excludes concrete fill and field added reinforcing. See CSI section 04 05 16 26-0001 for concrete fill.		
04 72 00 00-0007 LF 6" x 8", U Shaped Precast Concrete Lintel.....	12.52	
04 72 00 00-0008 LF 8" x 8", U Shaped Precast Concrete Lintel.....	14.88	
04 72 00 00-0009 LF 12" x 8", U Shaped Precast Concrete Lintel.....	22.86	
04 72 00 00-0010 Precast Concrete Coping (04 72)		
Note: Includes caulk and ties. Excludes drilling into existing materials or other anchoring bolts. See CSI section 04 21 29 00-0001 for terra cotta coping, 04 43 00 00-0000 for stone coping, 07 62 00 00-0000 for metal copings.		
04 72 00 00-0011 Precast Concrete Coping (04 72 00 00-0010)		
Note: Measured at highest point.		
04 72 00 00-0012 SF 2" Thick Precast Concrete Coping.....	40.65	9.81



Masonry	04	04
Manufactured Masonry	04 70	
Cast Stone Masonry	04 72	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 72 00 00-0013 SF 2-1/2" Thick Precast Concrete Coping.....	45.51	10.56
04 72 00 00-0014 SF 3" Thick Precast Concrete Coping.....	52.40	11.32
04 72 00 00-0015 SF 3-1/2" Thick Precast Concrete Coping.....	56.17	12.08
04 72 00 00-0016 SF 4" Thick Precast Concrete Coping.....	59.98	12.83
04 72 00 00-0017 SF 5" Thick Precast Concrete Coping.....	70.99	13.58
04 72 00 00-0018 SF 6" Thick Precast Concrete Coping.....	80.67	14.34
04 72 00 00-0019 Precast Concrete Window Sills <small>(04 72)</small> Note: Includes caulk and ties.		
04 72 00 00-0020 Precast Concrete Window Sills <small>(04 72 00 00-0019)</small>		
04 72 00 00-0021 LF 6" Wide Precast Concrete Window Sill.....	29.61	7.55
04 72 00 00-0022 LF 10" Wide Precast Concrete Window Sill.....	43.68	7.55
04 72 00 00-0023 LF 14" Wide Precast Concrete Window Sill.....	51.26	7.55
04 72 00 00-0024 Cast Stone Veneer <small>(04 72)</small>		
04 72 00 00-0025 SF 1" Thick Cast Stone Veneer.....	47.60	15.85

END OF SECTION 04

04	04	Masonry
	04 70	Manufactured Masonry
	04 72	Cast Stone Masonry



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

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	MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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05 Metals

05 05 Common Work Results For Metals ⁽⁰⁵⁾

05 05 19 Post-Installed Concrete Anchors ^(05 05)

See CSI section 03 15 19 00-0000 for cast-in concrete anchors.

05 05 19 00-0001 Concrete And Masonry Anchors ^(05 05 19)

05 05 19 00-0002 Expansion Anchors ^(05 05 19 00-0001)

Note: Includes drilling.

05 05 19 00-0003 Wedge Expansion Bolt Anchors ^(05 05 19 00-0002)

05 05 19 00-0004 Zinc Plated Steel, Wedge Anchor Expansion Bolt ^(05 05 19 00-0003)

Note: Includes nut and washer.

05 05 19 00-0005	EA 1/4" Diameter x 1-3/4" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	9.34	
	For >10 To 50, Deduct	-0.45	
	For >50 To 100, Deduct	-0.90	
	For >100, Deduct	-1.80	
05 05 19 00-0006	EA 1/4" Diameter x 2-1/4" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	9.41	
	For >10 To 50, Deduct	-0.45	
	For >50 To 100, Deduct	-0.90	
	For >100, Deduct	-1.81	
05 05 19 00-0007	EA 1/4" Diameter x 3-1/4" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	9.70	
	For >10 To 50, Deduct	-0.46	
	For >50 To 100, Deduct	-0.93	
	For >100, Deduct	-1.86	
05 05 19 00-0008	EA 3/8" Diameter x 2-1/4" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	11.45	
	For >10 To 50, Deduct	-0.54	
	For >50 To 100, Deduct	-1.10	
	For >100, Deduct	-2.20	
05 05 19 00-0009	EA 3/8" Diameter x 2-3/4" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	11.50	
	For >10 To 50, Deduct	-0.54	
	For >50 To 100, Deduct	-1.10	
	For >100, Deduct	-2.20	
05 05 19 00-0010	EA 3/8" Diameter x 3" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	11.52	
	For >10 To 50, Deduct	-0.54	
	For >50 To 100, Deduct	-1.10	
	For >100, Deduct	-2.20	
05 05 19 00-0011	EA 3/8" Diameter x 5" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	11.72	
	For >10 To 50, Deduct	-0.54	
	For >50 To 100, Deduct	-1.11	
	For >100, Deduct	-2.21	
05 05 19 00-0012	EA 1/2" Diameter x 2-3/4" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	16.52	
	For >10 To 50, Deduct	-0.77	
	For >50 To 100, Deduct	-1.57	
	For >100, Deduct	-3.14	
05 05 19 00-0013	EA 1/2" Diameter x 3-3/4" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	16.56	
	For >10 To 50, Deduct	-0.77	
	For >50 To 100, Deduct	-1.57	
	For >100, Deduct	-3.14	
05 05 19 00-0014	EA 1/2" Diameter x 4-1/4" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	16.64	
	For >10 To 50, Deduct	-0.77	
	For >50 To 100, Deduct	-1.57	
	For >100, Deduct	-3.14	
05 05 19 00-0015	EA 1/2" Diameter x 5-1/2" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	16.86	
	For >10 To 50, Deduct	-0.77	
	For >50 To 100, Deduct	-1.58	
	For >100, Deduct	-3.15	
05 05 19 00-0016	EA 1/2" Diameter x 7" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	17.16	
	For >10 To 50, Deduct	-0.77	
	For >50 To 100, Deduct	-1.58	
	For >100, Deduct	-3.17	
05 05 19 00-0017	EA 5/8" Diameter x 3-1/2" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	21.26	
	For >10 To 50, Deduct	-0.95	
	For >50 To 100, Deduct	-1.96	
	For >100, Deduct	-3.92	
05 05 19 00-0018	EA 5/8" Diameter x 4-1/4" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	21.32	
	For >10 To 50, Deduct	-0.95	
	For >50 To 100, Deduct	-1.96	
	For >100, Deduct	-3.92	
05 05 19 00-0019	EA 5/8" Diameter x 5" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	21.46	
	For >10 To 50, Deduct	-0.95	
	For >50 To 100, Deduct	-1.96	
	For >100, Deduct	-3.93	
05 05 19 00-0020	EA 5/8" Diameter x 6" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	21.73	
	For >10 To 50, Deduct	-0.95	
	For >50 To 100, Deduct	-1.97	
	For >100, Deduct	-3.94	
05 05 19 00-0021	EA 5/8" Diameter x 7" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	22.00	
	For >10 To 50, Deduct	-0.95	
	For >50 To 100, Deduct	-1.98	
	For >100, Deduct	-3.95	

05 Metals**05 05 Common Work Results For Metals****05 05 19 Post-Installed Concrete Anchors**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 19 00-0022	EA		5/8" Diameter x 8-1/2" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt.....	24.12	
			<i>For >10 To 50, Deduct</i>	-0.95	
			<i>For >50 To 100, Deduct</i>	-2.03	
			<i>For >100, Deduct</i>	-4.06	
05 05 19 00-0023	EA		5/8" Diameter x 10" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt.....	25.94	
			<i>For >10 To 50, Deduct</i>	-0.95	
			<i>For >50 To 100, Deduct</i>	-2.08	
			<i>For >100, Deduct</i>	-4.15	
05 05 19 00-0024	EA		3/4" Diameter x 4-1/4" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt.....	25.58	
			<i>For >10 To 50, Deduct</i>	-1.13	
			<i>For >50 To 100, Deduct</i>	-2.34	
			<i>For >100, Deduct</i>	-4.68	
05 05 19 00-0025	EA		3/4" Diameter x 4-3/4" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt.....	25.64	
			<i>For >10 To 50, Deduct</i>	-1.13	
			<i>For >50 To 100, Deduct</i>	-2.34	
			<i>For >100, Deduct</i>	-4.68	
05 05 19 00-0026	EA		3/4" Diameter x 5-1/2" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt.....	25.96	
			<i>For >10 To 50, Deduct</i>	-1.13	
			<i>For >50 To 100, Deduct</i>	-2.35	
			<i>For >100, Deduct</i>	-4.69	
05 05 19 00-0027	EA		3/4" Diameter x 6-1/4" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt.....	26.35	
			<i>For >10 To 50, Deduct</i>	-1.13	
			<i>For >50 To 100, Deduct</i>	-2.36	
			<i>For >100, Deduct</i>	-4.71	
05 05 19 00-0028	EA		3/4" Diameter x 7" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt.....	26.80	
			<i>For >10 To 50, Deduct</i>	-1.13	
			<i>For >50 To 100, Deduct</i>	-2.37	
			<i>For >100, Deduct</i>	-4.74	
05 05 19 00-0029	EA		3/4" Diameter x 8-1/2" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt.....	28.50	
			<i>For >10 To 50, Deduct</i>	-1.13	
			<i>For >50 To 100, Deduct</i>	-2.41	
			<i>For >100, Deduct</i>	-4.82	
05 05 19 00-0030	EA		3/4" Diameter x 10" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt.....	30.76	
			<i>For >10 To 50, Deduct</i>	-1.13	
			<i>For >50 To 100, Deduct</i>	-2.47	
			<i>For >100, Deduct</i>	-4.93	
05 05 19 00-0031	EA		3/4" Diameter x 12" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt.....	33.31	
			<i>For >10 To 50, Deduct</i>	-1.13	
			<i>For >50 To 100, Deduct</i>	-2.53	
			<i>For >100, Deduct</i>	-5.06	
05 05 19 00-0032	EA		7/8" Diameter x 6" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt.....	32.97	
			<i>For >10 To 50, Deduct</i>	-1.23	
			<i>For >50 To 100, Deduct</i>	-2.67	
			<i>For >100, Deduct</i>	-5.33	
05 05 19 00-0033	EA		7/8" Diameter x 8" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt.....	34.31	
			<i>For >10 To 50, Deduct</i>	-1.23	
			<i>For >50 To 100, Deduct</i>	-2.70	
			<i>For >100, Deduct</i>	-5.40	
05 05 19 00-0034	EA		7/8" Diameter x 10" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt.....	36.09	
			<i>For >10 To 50, Deduct</i>	-1.23	
			<i>For >50 To 100, Deduct</i>	-2.74	
			<i>For >100, Deduct</i>	-5.49	
05 05 19 00-0035	EA		1" Diameter x 6" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt.....	41.16	
			<i>For >10 To 50, Deduct</i>	-1.59	
			<i>For >50 To 100, Deduct</i>	-3.41	
			<i>For >100, Deduct</i>	-6.83	
05 05 19 00-0036	EA		1" Diameter x 9" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt.....	43.68	
			<i>For >10 To 50, Deduct</i>	-1.59	
			<i>For >50 To 100, Deduct</i>	-3.48	
			<i>For >100, Deduct</i>	-6.95	
05 05 19 00-0037	EA		1" Diameter x 12" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt.....	46.19	
			<i>For >10 To 50, Deduct</i>	-1.59	
			<i>For >50 To 100, Deduct</i>	-3.54	
			<i>For >100, Deduct</i>	-7.08	
05 05 19 00-0038	EA		1-1/4" Diameter x 9" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt.....	53.44	
			<i>For >10 To 50, Deduct</i>	-2.04	
			<i>For >50 To 100, Deduct</i>	-4.39	
			<i>For >100, Deduct</i>	-8.78	
05 05 19 00-0039	EA		1-1/4" Diameter x 12" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt.....	55.24	
			<i>For >10 To 50, Deduct</i>	-2.04	
			<i>For >50 To 100, Deduct</i>	-4.43	
			<i>For >100, Deduct</i>	-8.87	
05 05 19 00-0040			304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt <small>(05 05 19 00-0003)</small>		
			Note: Includes nut and washer.		
05 05 19 00-0041	EA		1/4" Diameter x 1-3/4" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	9.97	
			<i>For >10 To 50, Deduct</i>	-0.45	
			<i>For >50 To 100, Deduct</i>	-0.92	
			<i>For >100, Deduct</i>	-1.84	
05 05 19 00-0042	EA		1/4" Diameter x 2-1/4" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	10.22	
			<i>For >10 To 50, Deduct</i>	-0.45	
			<i>For >50 To 100, Deduct</i>	-0.92	
			<i>For >100, Deduct</i>	-1.85	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 19 00-0043 EA 1/4" Diameter x 3-1/4" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	10.61	
<i>For >10 To 50, Deduct</i>	-0.46	
<i>For >50 To 100, Deduct</i>	-0.95	
<i>For >100, Deduct</i>	-1.90	
05 05 19 00-0044 EA 3/8" Diameter x 2-1/4" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	12.62	
<i>For >10 To 50, Deduct</i>	-0.54	
<i>For >50 To 100, Deduct</i>	-1.13	
<i>For >100, Deduct</i>	-2.26	
05 05 19 00-0045 EA 3/8" Diameter x 2-3/4" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	12.84	
<i>For >10 To 50, Deduct</i>	-0.54	
<i>For >50 To 100, Deduct</i>	-1.13	
<i>For >100, Deduct</i>	-2.27	
05 05 19 00-0046 EA 3/8" Diameter x 3" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	12.99	
<i>For >10 To 50, Deduct</i>	-0.54	
<i>For >50 To 100, Deduct</i>	-1.14	
<i>For >100, Deduct</i>	-2.28	
05 05 19 00-0047 EA 3/8" Diameter x 5" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	14.15	
<i>For >10 To 50, Deduct</i>	-0.54	
<i>For >50 To 100, Deduct</i>	-1.17	
<i>For >100, Deduct</i>	-2.33	
05 05 19 00-0048 EA 1/2" Diameter x 2-3/4" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	19.15	
<i>For >10 To 50, Deduct</i>	-0.77	
<i>For >50 To 100, Deduct</i>	-1.63	
<i>For >100, Deduct</i>	-3.27	
05 05 19 00-0049 EA 1/2" Diameter x 3-3/4" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	19.55	
<i>For >10 To 50, Deduct</i>	-0.77	
<i>For >50 To 100, Deduct</i>	-1.64	
<i>For >100, Deduct</i>	-3.29	
05 05 19 00-0050 EA 1/2" Diameter x 4-1/4" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	19.78	
<i>For >10 To 50, Deduct</i>	-0.77	
<i>For >50 To 100, Deduct</i>	-1.65	
<i>For >100, Deduct</i>	-3.30	
05 05 19 00-0051 EA 1/2" Diameter x 5-1/2" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	20.83	
<i>For >10 To 50, Deduct</i>	-0.77	
<i>For >50 To 100, Deduct</i>	-1.68	
<i>For >100, Deduct</i>	-3.35	
05 05 19 00-0052 EA 1/2" Diameter x 7" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	22.41	
<i>For >10 To 50, Deduct</i>	-0.77	
<i>For >50 To 100, Deduct</i>	-1.72	
<i>For >100, Deduct</i>	-3.43	
05 05 19 00-0053 EA 5/8" Diameter x 3-1/2" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	26.61	
<i>For >10 To 50, Deduct</i>	-0.95	
<i>For >50 To 100, Deduct</i>	-2.09	
<i>For >100, Deduct</i>	-4.19	
05 05 19 00-0054 EA 5/8" Diameter x 5" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	27.64	
<i>For >10 To 50, Deduct</i>	-0.95	
<i>For >50 To 100, Deduct</i>	-2.12	
<i>For >100, Deduct</i>	-4.24	
05 05 19 00-0055 EA 5/8" Diameter x 6" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	28.75	
<i>For >10 To 50, Deduct</i>	-0.95	
<i>For >50 To 100, Deduct</i>	-2.15	
<i>For >100, Deduct</i>	-4.29	
05 05 19 00-0056 EA 5/8" Diameter x 7" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	30.23	
<i>For >10 To 50, Deduct</i>	-0.95	
<i>For >50 To 100, Deduct</i>	-2.18	
<i>For >100, Deduct</i>	-4.37	
05 05 19 00-0057 EA 5/8" Diameter x 8-1/2" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	36.73	
<i>For >10 To 50, Deduct</i>	-0.95	
<i>For >50 To 100, Deduct</i>	-2.35	
<i>For >100, Deduct</i>	-4.69	
05 05 19 00-0058 EA 3/4" Diameter x 4-1/4" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	31.74	
<i>For >10 To 50, Deduct</i>	-1.13	
<i>For >50 To 100, Deduct</i>	-2.49	
<i>For >100, Deduct</i>	-4.98	
05 05 19 00-0059 EA 3/4" Diameter x 4-3/4" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	33.83	
<i>For >10 To 50, Deduct</i>	-1.13	
<i>For >50 To 100, Deduct</i>	-2.54	
<i>For >100, Deduct</i>	-5.09	
05 05 19 00-0060 EA 3/4" Diameter x 5-1/2" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	35.62	
<i>For >10 To 50, Deduct</i>	-1.13	
<i>For >50 To 100, Deduct</i>	-2.59	
<i>For >100, Deduct</i>	-5.18	
05 05 19 00-0061 EA 3/4" Diameter x 6-1/4" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	35.84	
<i>For >10 To 50, Deduct</i>	-1.13	
<i>For >50 To 100, Deduct</i>	-2.59	
<i>For >100, Deduct</i>	-5.19	
05 05 19 00-0062 EA 3/4" Diameter x 7" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	37.51	
<i>For >10 To 50, Deduct</i>	-1.13	
<i>For >50 To 100, Deduct</i>	-2.64	
<i>For >100, Deduct</i>	-5.27	
05 05 19 00-0063 EA 3/4" Diameter x 8-1/2" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	41.87	
<i>For >10 To 50, Deduct</i>	-1.13	
<i>For >50 To 100, Deduct</i>	-2.74	
<i>For >100, Deduct</i>	-5.49	

05 Metals**05 05 Common Work Results For Metals****05 05 19 Post-Installed Concrete Anchors**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 19 00-0064	EA		3/4" Diameter x 10" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	48.00	
			<i>For >10 To 50, Deduct</i>	-1.13	
			<i>For >50 To 100, Deduct</i>	-2.90	
			<i>For >100, Deduct</i>	-5.80	
05 05 19 00-0065	EA		7/8" Diameter x 8" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	48.78	
			<i>For >10 To 50, Deduct</i>	-1.23	
			<i>For >50 To 100, Deduct</i>	-3.06	
			<i>For >100, Deduct</i>	-6.12	
05 05 19 00-0066	EA		1" Diameter x 6" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	69.79	
			<i>For >10 To 50, Deduct</i>	-1.59	
			<i>For >50 To 100, Deduct</i>	-4.13	
			<i>For >100, Deduct</i>	-8.26	
05 05 19 00-0067	EA		1" Diameter x 9" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	78.87	
			<i>For >10 To 50, Deduct</i>	-1.59	
			<i>For >50 To 100, Deduct</i>	-4.36	
			<i>For >100, Deduct</i>	-8.71	
05 05 19 00-0068			316 Stainless Steel, Wedge Anchor Expansion Bolt <small>(05 05 19 00-0003)</small>		
			Note: Includes nut and washer.		
05 05 19 00-0069	EA		1/4" Diameter x 2-1/4" Length, 316 Stainless Steel, Wedge Anchor Expansion Bolt.....	10.19	
			<i>For >10 To 50, Deduct</i>	-0.45	
			<i>For >50 To 100, Deduct</i>	-0.92	
			<i>For >100, Deduct</i>	-1.85	
05 05 19 00-0070	EA		1/4" Diameter x 3-1/4" Length, 316 Stainless Steel, Wedge Anchor Expansion Bolt.....	10.71	
			<i>For >10 To 50, Deduct</i>	-0.46	
			<i>For >50 To 100, Deduct</i>	-0.95	
			<i>For >100, Deduct</i>	-1.91	
05 05 19 00-0071	EA		3/8" Diameter x 2-1/4" Length, 316 Stainless Steel, Wedge Anchor Expansion Bolt.....	13.31	
			<i>For >10 To 50, Deduct</i>	-0.54	
			<i>For >50 To 100, Deduct</i>	-1.15	
			<i>For >100, Deduct</i>	-2.29	
05 05 19 00-0072	EA		3/8" Diameter x 2-3/4" Length, 316 Stainless Steel, Wedge Anchor Expansion Bolt.....	13.68	
			<i>For >10 To 50, Deduct</i>	-0.54	
			<i>For >50 To 100, Deduct</i>	-1.16	
			<i>For >100, Deduct</i>	-2.31	
05 05 19 00-0073	EA		3/8" Diameter x 3" Length, 316 Stainless Steel, Wedge Anchor Expansion Bolt.....	13.77	
			<i>For >10 To 50, Deduct</i>	-0.54	
			<i>For >50 To 100, Deduct</i>	-1.16	
			<i>For >100, Deduct</i>	-2.31	
05 05 19 00-0074	EA		3/8" Diameter x 5" Length, 316 Stainless Steel, Wedge Anchor Expansion Bolt.....	15.51	
			<i>For >10 To 50, Deduct</i>	-0.54	
			<i>For >50 To 100, Deduct</i>	-1.20	
			<i>For >100, Deduct</i>	-2.40	
05 05 19 00-0075	EA		1/2" Diameter x 2-3/4" Length, 316 Stainless Steel, Wedge Anchor Expansion Bolt.....	20.82	
			<i>For >10 To 50, Deduct</i>	-0.77	
			<i>For >50 To 100, Deduct</i>	-1.68	
			<i>For >100, Deduct</i>	-3.35	
05 05 19 00-0076	EA		1/2" Diameter x 3-3/4" Length, 316 Stainless Steel, Wedge Anchor Expansion Bolt.....	21.83	
			<i>For >10 To 50, Deduct</i>	-0.77	
			<i>For >50 To 100, Deduct</i>	-1.70	
			<i>For >100, Deduct</i>	-3.40	
05 05 19 00-0077	EA		1/2" Diameter x 4-1/4" Length, 316 Stainless Steel, Wedge Anchor Expansion Bolt.....	23.66	
			<i>For >10 To 50, Deduct</i>	-0.77	
			<i>For >50 To 100, Deduct</i>	-1.75	
			<i>For >100, Deduct</i>	-3.49	
05 05 19 00-0078	EA		1/2" Diameter x 5-1/2" Length, 316 Stainless Steel, Wedge Anchor Expansion Bolt.....	24.12	
			<i>For >10 To 50, Deduct</i>	-0.77	
			<i>For >50 To 100, Deduct</i>	-1.76	
			<i>For >100, Deduct</i>	-3.52	
05 05 19 00-0079	EA		5/8" Diameter x 5" Length, 316 Stainless Steel, Wedge Anchor Expansion Bolt.....	32.24	
			<i>For >10 To 50, Deduct</i>	-0.95	
			<i>For >50 To 100, Deduct</i>	-2.23	
			<i>For >100, Deduct</i>	-4.47	
05 05 19 00-0080	EA		5/8" Diameter x 7" Length, 316 Stainless Steel, Wedge Anchor Expansion Bolt.....	32.79	
			<i>For >10 To 50, Deduct</i>	-0.95	
			<i>For >50 To 100, Deduct</i>	-2.25	
			<i>For >100, Deduct</i>	-4.49	
05 05 19 00-0081	EA		3/4" Diameter x 4-3/4" Length, 316 Stainless Steel, Wedge Anchor Expansion Bolt.....	39.61	
			<i>For >10 To 50, Deduct</i>	-1.13	
			<i>For >50 To 100, Deduct</i>	-2.69	
			<i>For >100, Deduct</i>	-5.38	
05 05 19 00-0082	EA		3/4" Diameter x 5-1/2" Length, 316 Stainless Steel, Wedge Anchor Expansion Bolt.....	41.91	
			<i>For >10 To 50, Deduct</i>	-1.13	
			<i>For >50 To 100, Deduct</i>	-2.75	
			<i>For >100, Deduct</i>	-5.49	
05 05 19 00-0083			Hot Dipped Galvanized Steel, Wedge Anchor Expansion Bolt <small>(05 05 19 00-0003)</small>		
			Note: Includes nut and washer.		
05 05 19 00-0084	EA		1/2" Diameter x 2-3/4" Length, Hot Dipped Galvanized Steel, Wedge Anchor Expansion Bolt.....	18.25	
			<i>For >10 To 50, Deduct</i>	-0.77	
			<i>For >50 To 100, Deduct</i>	-1.61	
			<i>For >100, Deduct</i>	-3.22	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 19 00-0085 EA 1/2" Diameter x 4-1/4" Length, Hot Dipped Galvanized Steel, Wedge Anchor Expansion Bolt.....	19.00	
<i>For >10 To 50, Deduct</i>	-0.77	
<i>For >50 To 100, Deduct</i>	-1.63	
<i>For >100, Deduct</i>	-3.26	
05 05 19 00-0086 EA 1/2" Diameter x 5-1/2" Length, Hot Dipped Galvanized Steel, Wedge Anchor Expansion Bolt.....	19.75	
<i>For >10 To 50, Deduct</i>	-0.77	
<i>For >50 To 100, Deduct</i>	-1.65	
<i>For >100, Deduct</i>	-3.30	
05 05 19 00-0087 EA 1/2" Diameter x 7" Length, Hot Dipped Galvanized Steel, Wedge Anchor Expansion Bolt.....	20.13	
<i>For >10 To 50, Deduct</i>	-0.77	
<i>For >50 To 100, Deduct</i>	-1.66	
<i>For >100, Deduct</i>	-3.32	
05 05 19 00-0088 EA 5/8" Diameter x 3-1/2" Length, Hot Dipped Galvanized Steel, Wedge Anchor Expansion Bolt.....	24.42	
<i>For >10 To 50, Deduct</i>	-0.95	
<i>For >50 To 100, Deduct</i>	-2.04	
<i>For >100, Deduct</i>	-4.08	
05 05 19 00-0089 EA 5/8" Diameter x 6" Length, Hot Dipped Galvanized Steel, Wedge Anchor Expansion Bolt.....	23.52	
<i>For >10 To 50, Deduct</i>	-0.95	
<i>For >50 To 100, Deduct</i>	-2.02	
<i>For >100, Deduct</i>	-4.03	
05 05 19 00-0090 EA 3/4" Diameter x 4-3/4" Length, Hot Dipped Galvanized Steel, Wedge Anchor Expansion Bolt.....	31.03	
<i>For >10 To 50, Deduct</i>	-1.13	
<i>For >50 To 100, Deduct</i>	-2.47	
<i>For >100, Deduct</i>	-4.95	
05 05 19 00-0091 EA 3/4" Diameter x 5-1/2" Length, Hot Dipped Galvanized Steel, Wedge Anchor Expansion Bolt.....	31.86	
<i>For >10 To 50, Deduct</i>	-1.13	
<i>For >50 To 100, Deduct</i>	-2.49	
<i>For >100, Deduct</i>	-4.99	
05 05 19 00-0092 EA 3/4" Diameter x 8-1/2" Length, Hot Dipped Galvanized Steel, Wedge Anchor Expansion Bolt.....	35.91	
<i>For >10 To 50, Deduct</i>	-1.13	
<i>For >50 To 100, Deduct</i>	-2.60	
<i>For >100, Deduct</i>	-5.19	
05 05 19 00-0093 EA 1" Diameter x 6" Length, Hot Dipped Galvanized Steel, Wedge Anchor Expansion Bolt.....	40.43	
<i>For >10 To 50, Deduct</i>	-1.59	
<i>For >50 To 100, Deduct</i>	-3.40	
<i>For >100, Deduct</i>	-6.79	
05 05 19 00-0094 EA 1" Diameter x 9" Length, Hot Dipped Galvanized Steel, Wedge Anchor Expansion Bolt.....	42.76	
<i>For >10 To 50, Deduct</i>	-1.59	
<i>For >50 To 100, Deduct</i>	-3.45	
<i>For >100, Deduct</i>	-6.91	
05 05 19 00-0095 EA 1" Diameter x 12" Length, Hot Dipped Galvanized Steel, Wedge Anchor Expansion Bolt.....	45.08	
<i>For >10 To 50, Deduct</i>	-1.59	
<i>For >50 To 100, Deduct</i>	-3.51	
<i>For >100, Deduct</i>	-7.02	
05 05 19 00-0096 Concrete Sleeve Anchors <small>(05 05 19 00-0002)</small>		
05 05 19 00-0097 Zinc Plated Steel, Concrete Sleeve Anchors <small>(05 05 19 00-0086)</small>		
Note: Includes nut and washer.		
05 05 19 00-0098 EA 1/4" Diameter x 5/8" Length, Zinc Plated Steel, Concrete Sleeve Anchor	9.43	
<i>For >10 To 50, Deduct</i>	-0.46	
<i>For >50 To 100, Deduct</i>	-0.92	
<i>For >100, Deduct</i>	-1.84	
05 05 19 00-0099 EA 1/4" Diameter x 1-3/8" Length, Zinc Plated Steel, Concrete Sleeve Anchor	9.52	
<i>For >10 To 50, Deduct</i>	-0.46	
<i>For >50 To 100, Deduct</i>	-0.92	
<i>For >100, Deduct</i>	-1.84	
05 05 19 00-0100 EA 1/4" Diameter x 2-1/4" Length, Zinc Plated Steel, Concrete Sleeve Anchor	9.64	
<i>For >10 To 50, Deduct</i>	-0.46	
<i>For >50 To 100, Deduct</i>	-0.92	
<i>For >100, Deduct</i>	-1.85	
05 05 19 00-0101 EA 5/16" Diameter x 1-1/2" Length, Zinc Plated Steel, Concrete Sleeve Anchor	9.93	
<i>For >10 To 50, Deduct</i>	-0.48	
<i>For >50 To 100, Deduct</i>	-0.97	
<i>For >100, Deduct</i>	-1.93	
05 05 19 00-0102 EA 5/16" Diameter x 2-1/2" Length, Zinc Plated Steel, Concrete Sleeve Anchor	10.02	
<i>For >10 To 50, Deduct</i>	-0.48	
<i>For >50 To 100, Deduct</i>	-0.97	
<i>For >100, Deduct</i>	-1.94	
05 05 19 00-0103 EA 3/8" Diameter x 1-7/8" Length, Zinc Plated Steel, Concrete Sleeve Anchor	11.24	
<i>For >10 To 50, Deduct</i>	-0.54	
<i>For >50 To 100, Deduct</i>	-1.09	
<i>For >100, Deduct</i>	-2.19	
05 05 19 00-0104 EA 3/8" Diameter x 3" Length, Zinc Plated Steel, Concrete Sleeve Anchor	11.41	
<i>For >10 To 50, Deduct</i>	-0.54	
<i>For >50 To 100, Deduct</i>	-1.10	
<i>For >100, Deduct</i>	-2.20	
05 05 19 00-0105 EA 3/8" Diameter x 4" Length, Zinc Plated Steel, Concrete Sleeve Anchor	11.56	
<i>For >10 To 50, Deduct</i>	-0.54	
<i>For >50 To 100, Deduct</i>	-1.10	
<i>For >100, Deduct</i>	-2.20	
05 05 19 00-0106 EA 1/2" Diameter x 2-1/4" Length, Zinc Plated Steel, Concrete Sleeve Anchor	16.15	
<i>For >10 To 50, Deduct</i>	-0.77	
<i>For >50 To 100, Deduct</i>	-1.56	
<i>For >100, Deduct</i>	-3.12	

05 Metals**05 05 Common Work Results For Metals****05 05 19 Post-Installed Concrete Anchors**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 19 00-0107	EA		1/2" Diameter x 3" Length, Zinc Plated Steel, Concrete Sleeve Anchor	16.35	
			<i>For >10 To 50, Deduct</i>	-0.77	
			<i>For >50 To 100, Deduct</i>	-1.56	
			<i>For >100, Deduct</i>	-3.13	
05 05 19 00-0108	EA		1/2" Diameter x 4" Length, Zinc Plated Steel, Concrete Sleeve Anchor	16.53	
			<i>For >10 To 50, Deduct</i>	-0.77	
			<i>For >50 To 100, Deduct</i>	-1.57	
			<i>For >100, Deduct</i>	-3.14	
05 05 19 00-0109	EA		1/2" Diameter x 6" Length, Zinc Plated Steel, Concrete Sleeve Anchor	16.74	
			<i>For >10 To 50, Deduct</i>	-0.77	
			<i>For >50 To 100, Deduct</i>	-1.57	
			<i>For >100, Deduct</i>	-3.15	
05 05 19 00-0110	EA		5/8" Diameter x 2-1/4" Length, Zinc Plated Steel, Concrete Sleeve Anchor	20.19	
			<i>For >10 To 50, Deduct</i>	-0.95	
			<i>For >50 To 100, Deduct</i>	-1.93	
			<i>For >100, Deduct</i>	-3.86	
05 05 19 00-0111	EA		5/8" Diameter x 3" Length, Zinc Plated Steel, Concrete Sleeve Anchor	20.50	
			<i>For >10 To 50, Deduct</i>	-0.95	
			<i>For >50 To 100, Deduct</i>	-1.94	
			<i>For >100, Deduct</i>	-3.88	
05 05 19 00-0112	EA		5/8" Diameter x 4-1/4" Length, Zinc Plated Steel, Concrete Sleeve Anchor	20.74	
			<i>For >10 To 50, Deduct</i>	-0.95	
			<i>For >50 To 100, Deduct</i>	-1.95	
			<i>For >100, Deduct</i>	-3.89	
05 05 19 00-0113	EA		5/8" Diameter x 6" Length, Zinc Plated Steel, Concrete Sleeve Anchor	21.40	
			<i>For >10 To 50, Deduct</i>	-0.95	
			<i>For >50 To 100, Deduct</i>	-1.96	
			<i>For >100, Deduct</i>	-3.92	
05 05 19 00-0114	EA		3/4" Diameter x 2-1/2" Length, Zinc Plated Steel, Concrete Sleeve Anchor	24.59	
			<i>For >10 To 50, Deduct</i>	-1.13	
			<i>For >50 To 100, Deduct</i>	-2.31	
			<i>For >100, Deduct</i>	-4.63	
05 05 19 00-0115	EA		3/4" Diameter x 4-1/4" Length, Zinc Plated Steel, Concrete Sleeve Anchor	25.17	
			<i>For >10 To 50, Deduct</i>	-1.13	
			<i>For >50 To 100, Deduct</i>	-2.33	
			<i>For >100, Deduct</i>	-4.65	
05 05 19 00-0116	EA		3/4" Diameter x 5-1/2" Length, Zinc Plated Steel, Concrete Sleeve Anchor	25.69	
			<i>For >10 To 50, Deduct</i>	-1.13	
			<i>For >50 To 100, Deduct</i>	-2.34	
			<i>For >100, Deduct</i>	-4.68	
05 05 19 00-0117	EA		3/4" Diameter x 6-1/4" Length, Zinc Plated Steel, Concrete Sleeve Anchor	26.52	
			<i>For >10 To 50, Deduct</i>	-1.13	
			<i>For >50 To 100, Deduct</i>	-2.36	
			<i>For >100, Deduct</i>	-4.72	
05 05 19 00-0118			304/18-8 Stainless Steel, Concrete Sleeve Anchors <small>(05 05 19 00-0096)</small>		
			Note: Includes nut and washer.		
05 05 19 00-0119	EA		1/4" Diameter x 1-3/8" Length, 304/18-8 Stainless Steel, Concrete Sleeve Anchor	10.43	
			<i>For >10 To 50, Deduct</i>	-0.46	
			<i>For >50 To 100, Deduct</i>	-0.94	
			<i>For >100, Deduct</i>	-1.89	
05 05 19 00-0120	EA		3/8" Diameter x 1-7/8" Length, 304/18-8 Stainless Steel, Concrete Sleeve Anchor	13.29	
			<i>For >10 To 50, Deduct</i>	-0.54	
			<i>For >50 To 100, Deduct</i>	-1.14	
			<i>For >100, Deduct</i>	-2.29	
05 05 19 00-0121	EA		3/8" Diameter x 3" Length, 304/18-8 Stainless Steel, Concrete Sleeve Anchor	14.27	
			<i>For >10 To 50, Deduct</i>	-0.54	
			<i>For >50 To 100, Deduct</i>	-1.17	
			<i>For >100, Deduct</i>	-2.34	
05 05 19 00-0122	EA		1/2" Diameter x 2-1/4" Length, 304/18-8 Stainless Steel, Concrete Sleeve Anchor	19.57	
			<i>For >10 To 50, Deduct</i>	-0.77	
			<i>For >50 To 100, Deduct</i>	-1.64	
			<i>For >100, Deduct</i>	-3.29	
05 05 19 00-0123	EA		1/2" Diameter x 4" Length, 304/18-8 Stainless Steel, Concrete Sleeve Anchor	21.33	
			<i>For >10 To 50, Deduct</i>	-0.77	
			<i>For >50 To 100, Deduct</i>	-1.69	
			<i>For >100, Deduct</i>	-3.38	
05 05 19 00-0124	EA		5/8" Diameter x 4-1/4" Length, 304/18-8 Stainless Steel, Concrete Sleeve Anchor	28.58	
			<i>For >10 To 50, Deduct</i>	-0.95	
			<i>For >50 To 100, Deduct</i>	-2.14	
			<i>For >100, Deduct</i>	-4.28	
05 05 19 00-0125			Concrete Strike Anchors <small>(05 05 19 00-0002)</small>		
			Note: Includes nut and washer.		
05 05 19 00-0126	EA		1/4" Diameter x 1-3/4" Length, Zinc Plated Steel, Concrete Strike Anchor	9.90	
			<i>For >10 To 50, Deduct</i>	-0.46	
			<i>For >50 To 100, Deduct</i>	-0.93	
			<i>For >100, Deduct</i>	-1.86	
05 05 19 00-0127	EA		1/4" Diameter x 2-3/8" Length, Zinc Plated Steel, Concrete Strike Anchor	10.06	
			<i>For >10 To 50, Deduct</i>	-0.46	
			<i>For >50 To 100, Deduct</i>	-0.93	
			<i>For >100, Deduct</i>	-1.87	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 19 00-0128 EA 5/16" Diameter x 2-3/4" Length, Zinc Plated Steel, Concrete Strike Anchor	10.51	
<i>For >10 To 50, Deduct</i>	-0.48	
<i>For >50 To 100, Deduct</i>	-0.98	
<i>For >100, Deduct</i>	-1.96	
05 05 19 00-0129 EA 5/16" Diameter x 4" Length, Zinc Plated Steel, Concrete Strike Anchor	11.19	
<i>For >10 To 50, Deduct</i>	-0.48	
<i>For >50 To 100, Deduct</i>	-1.00	
<i>For >100, Deduct</i>	-2.00	
05 05 19 00-0130 EA 3/8" Diameter x 2-3/8" Length, Zinc Plated Steel, Concrete Strike Anchor	11.98	
<i>For >10 To 50, Deduct</i>	-0.54	
<i>For >50 To 100, Deduct</i>	-1.11	
<i>For >100, Deduct</i>	-2.22	
05 05 19 00-0131 EA 3/8" Diameter x 3-1/2" Length, Zinc Plated Steel, Concrete Strike Anchor	12.48	
<i>For >10 To 50, Deduct</i>	-0.54	
<i>For >50 To 100, Deduct</i>	-1.12	
<i>For >100, Deduct</i>	-2.25	
05 05 19 00-0132 EA 3/8" Diameter x 5" Length, Zinc Plated Steel, Concrete Strike Anchor	12.87	
<i>For >10 To 50, Deduct</i>	-0.54	
<i>For >50 To 100, Deduct</i>	-1.13	
<i>For >100, Deduct</i>	-2.27	
05 05 19 00-0133 EA 1/2" Diameter x 2-3/4" Length, Zinc Plated Steel, Concrete Strike Anchor	17.40	
<i>For >10 To 50, Deduct</i>	-0.77	
<i>For >50 To 100, Deduct</i>	-1.59	
<i>For >100, Deduct</i>	-3.18	
05 05 19 00-0134 EA 1/2" Diameter x 3-1/2" Length, Zinc Plated Steel, Concrete Strike Anchor	17.70	
<i>For >10 To 50, Deduct</i>	-0.77	
<i>For >50 To 100, Deduct</i>	-1.60	
<i>For >100, Deduct</i>	-3.19	
05 05 19 00-0135 EA 1/2" Diameter x 4-3/4" Length, Zinc Plated Steel, Concrete Strike Anchor	18.58	
<i>For >10 To 50, Deduct</i>	-0.77	
<i>For >50 To 100, Deduct</i>	-1.62	
<i>For >100, Deduct</i>	-3.24	
05 05 19 00-0136 EA 1/2" Diameter x 6" Length, Zinc Plated Steel, Concrete Strike Anchor	19.73	
<i>For >10 To 50, Deduct</i>	-0.77	
<i>For >50 To 100, Deduct</i>	-1.65	
<i>For >100, Deduct</i>	-3.30	
05 05 19 00-0137 EA 5/8" Diameter x 4" Length, Zinc Plated Steel, Concrete Strike Anchor	22.85	
<i>For >10 To 50, Deduct</i>	-0.95	
<i>For >50 To 100, Deduct</i>	-2.00	
<i>For >100, Deduct</i>	-4.00	
05 05 19 00-0138 EA 5/8" Diameter x 4-3/4" Length, Zinc Plated Steel, Concrete Strike Anchor	23.90	
<i>For >10 To 50, Deduct</i>	-0.95	
<i>For >50 To 100, Deduct</i>	-2.02	
<i>For >100, Deduct</i>	-4.05	
05 05 19 00-0139 EA 5/8" Diameter x 6" Length, Zinc Plated Steel, Concrete Strike Anchor	24.84	
<i>For >10 To 50, Deduct</i>	-0.95	
<i>For >50 To 100, Deduct</i>	-2.05	
<i>For >100, Deduct</i>	-4.10	
05 05 19 00-0140 EA 3/4" Diameter x 5" Length, Zinc Plated Steel, Concrete Strike Anchor	29.00	
<i>For >10 To 50, Deduct</i>	-1.13	
<i>For >50 To 100, Deduct</i>	-2.42	
<i>For >100, Deduct</i>	-4.85	
05 05 19 00-0141 EA 3/4" Diameter x 6" Length, Zinc Plated Steel, Concrete Strike Anchor	30.00	
<i>For >10 To 50, Deduct</i>	-1.13	
<i>For >50 To 100, Deduct</i>	-2.45	
<i>For >100, Deduct</i>	-4.90	
 05 05 19 00-0142 Multi-Set Drop-In Anchors <small>(05 05 19 00-0002)</small>		
05 05 19 00-0143 Zinc Plated Steel, Multi-Set Drop-In Anchors <small>(05 05 19 00-0142)</small>		
Note: Excludes bolt, nut and washer.		
05 05 19 00-0144 EA 1/4" Bolt Diameter, Zinc Plated Steel, Multi-Set Drop-In Anchor	13.10	
<i>For >10 To 50, Deduct</i>	-0.63	
<i>For >50 To 100, Deduct</i>	-1.28	
<i>For >100, Deduct</i>	-2.56	
05 05 19 00-0145 EA 3/8" Bolt Diameter, Zinc Plated Steel, Multi-Set Drop-In Anchor	16.01	
<i>For >10 To 50, Deduct</i>	-0.77	
<i>For >50 To 100, Deduct</i>	-1.56	
<i>For >100, Deduct</i>	-3.12	
05 05 19 00-0146 EA 1/2" Bolt Diameter, Zinc Plated Steel, Multi-Set Drop-In Anchor	19.40	
<i>For >10 To 50, Deduct</i>	-0.91	
<i>For >50 To 100, Deduct</i>	-1.85	
<i>For >100, Deduct</i>	-3.70	
05 05 19 00-0147 EA 5/8" Bolt Diameter, Zinc Plated Steel, Multi-Set Drop-In Anchor	21.88	
<i>For >10 To 50, Deduct</i>	-1.00	
<i>For >50 To 100, Deduct</i>	-2.05	
<i>For >100, Deduct</i>	-4.10	
05 05 19 00-0148 EA 3/4" Bolt Diameter, Zinc Plated Steel, Multi-Set Drop-In Anchor	25.97	
<i>For >10 To 50, Deduct</i>	-1.14	
<i>For >50 To 100, Deduct</i>	-2.36	
<i>For >100, Deduct</i>	-4.72	
 05 05 19 00-0149 304/18-8 Stainless Steel, Multi-Set Drop-In Anchors <small>(05 05 19 00-0142)</small>		
Note: Excludes bolt, nut and washer.		

05 Metals**05 05 Common Work Results For Metals****05 05 19 Post-Installed Concrete Anchors**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 19 00-0150 EA 1/4" Bolt Diameter, 304/18-8 Stainless Steel, Multi-Set Drop-In Anchor.....	15.15	
For >10 To 50, Deduct	-0.63	
For >50 To 100, Deduct	-1.33	
For >100, Deduct	-2.66	
05 05 19 00-0151 EA 3/8" Bolt Diameter, 304/18-8 Stainless Steel, Multi-Set Drop-In Anchor.....	19.89	
For >10 To 50, Deduct	-0.77	
For >50 To 100, Deduct	-1.66	
For >100, Deduct	-3.31	
05 05 19 00-0152 EA 1/2" Bolt Diameter, 304/18-8 Stainless Steel, Multi-Set Drop-In Anchor.....	24.51	
For >10 To 50, Deduct	-0.91	
For >50 To 100, Deduct	-1.98	
For >100, Deduct	-3.96	
05 05 19 00-0153 EA 5/8" Bolt Diameter, 304/18-8 Stainless Steel, Multi-Set Drop-In Anchor.....	30.11	
For >10 To 50, Deduct	-1.00	
For >50 To 100, Deduct	-2.25	
For >100, Deduct	-4.51	
05 05 19 00-0154 EA 3/4" Bolt Diameter, 304/18-8 Stainless Steel, Multi-Set Drop-In Anchor.....	40.12	
For >10 To 50, Deduct	-1.14	
For >50 To 100, Deduct	-2.71	
For >100, Deduct	-5.42	
05 05 19 00-0155 Single Bolt Expansion Anchors (05 05 19 00-0002)		
Note: Excludes bolt, nut and washer.		
05 05 19 00-0156 EA 1/4" Bolt Diameter, Zinc Plated Steel, Single Bolt Expansion Anchor.....	9.57	
For >10 To 50, Deduct	-0.46	
For >50 To 100, Deduct	-0.92	
For >100, Deduct	-1.85	
05 05 19 00-0157 EA 5/16" Bolt Diameter, Zinc Plated Steel, Single Bolt Expansion Anchor.....	10.20	
For >10 To 50, Deduct	-0.48	
For >50 To 100, Deduct	-0.97	
For >100, Deduct	-1.95	
05 05 19 00-0158 EA 3/8" Bolt Diameter, Zinc Plated Steel, Single Bolt Expansion Anchor.....	11.53	
For >10 To 50, Deduct	-0.54	
For >50 To 100, Deduct	-1.10	
For >100, Deduct	-2.20	
05 05 19 00-0159 EA 1/2" Bolt Diameter, Zinc Plated Steel, Single Bolt Expansion Anchor.....	16.74	
For >10 To 50, Deduct	-0.77	
For >50 To 100, Deduct	-1.57	
For >100, Deduct	-3.15	
05 05 19 00-0160 EA 5/8" Bolt Diameter, Zinc Plated Steel, Single Bolt Expansion Anchor.....	22.72	
For >10 To 50, Deduct	-0.95	
For >50 To 100, Deduct	-1.99	
For >100, Deduct	-3.99	
05 05 19 00-0161 EA 3/4" Bolt Diameter, Zinc Plated Steel, Single Bolt Expansion Anchor.....	27.35	
For >10 To 50, Deduct	-1.13	
For >50 To 100, Deduct	-2.38	
For >100, Deduct	-4.76	
05 05 19 00-0162 Concrete Lag Shield Anchors (05 05 19 00-0002)		
Note: Excludes lag bolt and washer.		
05 05 19 00-0163 EA 1/4" Bolt Diameter, Zinc Plated Steel, Concrete Lag Shield Anchor.....	9.61	
For >10 To 50, Deduct	-0.46	
For >50 To 100, Deduct	-0.92	
For >100, Deduct	-1.85	
05 05 19 00-0164 EA 5/16" Bolt Diameter, Zinc Plated Steel, Concrete Lag Shield Anchor.....	11.44	
For >10 To 50, Deduct	-0.54	
For >50 To 100, Deduct	-1.10	
For >100, Deduct	-2.20	
05 05 19 00-0165 EA 3/8" Bolt Diameter, Zinc Plated Steel, Concrete Lag Shield Anchor.....	11.84	
For >10 To 50, Deduct	-0.54	
For >50 To 100, Deduct	-1.11	
For >100, Deduct	-2.22	
05 05 19 00-0166 EA 1/2" Bolt Diameter, Zinc Plated Steel, Concrete Lag Shield Anchor.....	16.72	
For >10 To 50, Deduct	-0.77	
For >50 To 100, Deduct	-1.57	
For >100, Deduct	-3.14	
05 05 19 00-0167 EA 5/8" Bolt Diameter, Zinc Plated Steel, Concrete Lag Shield Anchor.....	22.08	
For >10 To 50, Deduct	-0.95	
For >50 To 100, Deduct	-1.98	
For >100, Deduct	-3.96	
05 05 19 00-0168 EA 3/4" Bolt Diameter, Zinc Plated Steel, Concrete Lag Shield Anchor.....	25.06	
For >10 To 50, Deduct	-1.13	
For >50 To 100, Deduct	-2.32	
For >100, Deduct	-4.65	
05 05 19 00-0169 Chemical And Adhesive Anchors (05 05 19 00-0001)		
05 05 19 00-0170 Chemically Adhered Anchor Rods (05 05 19 00-0169)		
Note: Includes drilling hole, injected adhesive or pre-placed adhesive cartridge, nut and washer. Zinc coated carbon steel.		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 19 00-0171 EA 1/4" x 1-9/16" Long Chemically Adhered Anchor Rod	11.89	
<i>For >10 To 50, Deduct</i>	-0.50	
<i>For >50 To 100, Deduct</i>	-1.05	
<i>For >100, Deduct</i>	-2.10	
05 05 19 00-0172 EA 5/16" x 2-3/8" Long Chemically Adhered Anchor Rod	13.66	
<i>For >10 To 50, Deduct</i>	-0.55	
<i>For >50 To 100, Deduct</i>	-1.16	
<i>For >100, Deduct</i>	-2.32	
05 05 19 00-0173 EA 3/8" x 2-3/4" Long Chemically Adhered Anchor Rod	16.97	
<i>For >10 To 50, Deduct</i>	-0.68	
<i>For >50 To 100, Deduct</i>	-1.45	
<i>For >100, Deduct</i>	-2.90	
05 05 19 00-0174 EA 1/2" x 3-11/16" Long Chemically Adhered Anchor Rod	19.76	
<i>For >10 To 50, Deduct</i>	-0.77	
<i>For >50 To 100, Deduct</i>	-1.65	
<i>For >100, Deduct</i>	-3.30	
05 05 19 00-0175 EA 1/2" x 5-1/2" Long Chemically Adhered Anchor Rod	20.76	
<i>For >10 To 50, Deduct</i>	-0.77	
<i>For >50 To 100, Deduct</i>	-1.67	
<i>For >100, Deduct</i>	-3.35	
05 05 19 00-0176 EA 5/8" x 7" Long Chemically Adhered Anchor Rod.....	25.69	
<i>For >10 To 50, Deduct</i>	-0.95	
<i>For >50 To 100, Deduct</i>	-2.07	
<i>For >100, Deduct</i>	-4.14	
05 05 19 00-0177 EA 3/4" x 9-1/2" Long Chemically Adhered Anchor Rod	32.97	
<i>For >10 To 50, Deduct</i>	-1.13	
<i>For >50 To 100, Deduct</i>	-2.52	
<i>For >100, Deduct</i>	-5.04	
05 05 19 00-0178 EA 7/8" x 10" Long Chemically Adhered Anchor Rod.....	38.61	
<i>For >10 To 50, Deduct</i>	-1.23	
<i>For >50 To 100, Deduct</i>	-2.80	
<i>For >100, Deduct</i>	-5.61	
05 05 19 00-0179 EA 1" x 11-3/4" Long Chemically Adhered Anchor Rod	52.44	
<i>For >10 To 50, Deduct</i>	-1.59	
<i>For >50 To 100, Deduct</i>	-3.70	
<i>For >100, Deduct</i>	-7.39	
05 05 19 00-0180 EA 1-1/4" x 14" Long Chemically Adhered Anchor Rod	74.20	
<i>For >10 To 50, Deduct</i>	-2.00	
<i>For >50 To 100, Deduct</i>	-4.86	
<i>For >100, Deduct</i>	-9.72	
05 05 19 00-0181 Chemical Adhesives For Bolts, Dowels Or Threaded Rod <small>(05 05 19 00-0169)</small>		
<small>Note: Injected or drop in cartridge. Sizes listed are for the diameter of the bolt, dowel or rod to be anchored. Includes drilling. Excludes bolt, dowel or rod.</small>		
05 05 19 00-0182 EA 1/4" Chemical Adhesive For Bolt Or Threaded Rod	10.25	
<i>For >10 To 50, Deduct</i>	-0.50	
<i>For >50 To 100, Deduct</i>	-1.01	
<i>For >100, Deduct</i>	-2.02	
05 05 19 00-0183 EA 5/16" Chemical Adhesive For Bolt, Dowel Or Threaded Rod.....	11.22	
<i>For >10 To 50, Deduct</i>	-0.55	
<i>For >50 To 100, Deduct</i>	-1.10	
<i>For >100, Deduct</i>	-2.20	
05 05 19 00-0184 EA 3/8" Chemical Adhesive For Bolt, Dowel Or Threaded Rod.....	14.05	
<i>For >10 To 50, Deduct</i>	-0.68	
<i>For >50 To 100, Deduct</i>	-1.38	
<i>For >100, Deduct</i>	-2.75	
05 05 19 00-0185 EA 1/2" Chemical Adhesive For Bolt, Dowel Or Threaded Rod.....	15.94	
<i>For >10 To 50, Deduct</i>	-0.77	
<i>For >50 To 100, Deduct</i>	-1.55	
<i>For >100, Deduct</i>	-3.11	
05 05 19 00-0186 EA 5/8" Chemical Adhesive For Bolt, Dowel Or Threaded Rod.....	20.34	
<i>For >10 To 50, Deduct</i>	-0.95	
<i>For >50 To 100, Deduct</i>	-1.94	
<i>For >100, Deduct</i>	-3.87	
05 05 19 00-0187 EA 3/4" Chemical Adhesive For Bolt, Dowel Or Threaded Rod.....	24.96	
<i>For >10 To 50, Deduct</i>	-1.13	
<i>For >50 To 100, Deduct</i>	-2.32	
<i>For >100, Deduct</i>	-4.64	
05 05 19 00-0188 EA 7/8" Chemical Adhesive For Bolt, Dowel Or Threaded Rod.....	27.59	
<i>For >10 To 50, Deduct</i>	-1.23	
<i>For >50 To 100, Deduct</i>	-2.53	
<i>For >100, Deduct</i>	-5.05	
05 05 19 00-0189 EA 1" Chemical Adhesive For Bolt, Dowel Or Threaded Rod.....	36.43	
<i>For >10 To 50, Deduct</i>	-1.59	
<i>For >50 To 100, Deduct</i>	-3.30	
<i>For >100, Deduct</i>	-6.59	
05 05 19 00-0190 EA 1-1/8" Chemical Adhesive For Bolt, Dowel Or Threaded Rod	41.64	
<i>For >10 To 50, Deduct</i>	-1.80	
<i>For >50 To 100, Deduct</i>	-3.74	
<i>For >100, Deduct</i>	-7.47	
05 05 19 00-0191 EA 1-1/4" Chemical Adhesive For Bolt, Dowel Or Threaded Rod	47.50	
<i>For >10 To 50, Deduct</i>	-2.00	
<i>For >50 To 100, Deduct</i>	-4.19	
<i>For >100, Deduct</i>	-8.39	

05 Metals**05 05 Common Work Results For Metals****05 05 19 Post-Installed Concrete Anchors**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
05 05 19 00-0192	EA 1-3/8" Chemical Adhesive For Bolt, Dowel Or Threaded Rod.....	51.17	
	<i>For >10 To 50, Deduct</i>	-2.10	
	<i>For >50 To 100, Deduct</i>	-4.42	
	<i>For >100, Deduct</i>	-8.84	
05 05 19 00-0193	EA 1-1/2" Chemical Adhesive For Bolt, Dowel Or Threaded Rod.....	56.08	
	<i>For >10 To 50, Deduct</i>	-2.19	
	<i>For >50 To 100, Deduct</i>	-4.68	
	<i>For >100, Deduct</i>	-9.36	
05 05 19 00-0194	EA 1-3/4" Chemical Adhesive For Bolt, Dowel Or Threaded Rod.....	65.91	
	<i>For >10 To 50, Deduct</i>	-2.37	
	<i>For >50 To 100, Deduct</i>	-5.20	
	<i>For >100, Deduct</i>	-10.40	
05 05 19 00-0195	EA 2" Chemical Adhesive For Bolt, Dowel Or Threaded Rod.....	86.27	
	<i>For >10 To 50, Deduct</i>	-2.46	
	<i>For >50 To 100, Deduct</i>	-5.85	
	<i>For >100, Deduct</i>	-11.69	
05 05 19 00-0196	Grout Concrete Anchor Bolt Or Threaded Rod (05 05 19 00-0169)		
05 05 19 00-0197	EA Grout Concrete Anchor Bolt or Threaded Rod.....	3.57	
	<i>For >10 To 50, Deduct</i>	-0.17	
	<i>For >50 To 100, Deduct</i>	-0.35	
	<i>For >100, Deduct</i>	-0.69	
05 05 19 00-0198	Other Concrete And Masonry Anchors (05 05 19 00-0001)		
05 05 19 00-0199	Tapcon Masonry Screws (05 05 19 00-0198)		
	Note: Includes drilling. Countersunk or hex head.		
05 05 19 00-0200	EA 3/16" x 1-1/4" Tapcon Masonry Screw.....	9.30	
	<i>For >10 To 50, Deduct</i>	-0.46	
	<i>For >50 To 100, Deduct</i>	-0.92	
	<i>For >100, Deduct</i>	-1.83	
05 05 19 00-0201	EA 3/16" x 2-1/4" Tapcon Masonry Screw.....	9.34	
	<i>For >10 To 50, Deduct</i>	-0.46	
	<i>For >50 To 100, Deduct</i>	-0.92	
	<i>For >100, Deduct</i>	-1.83	
05 05 19 00-0202	EA 3/16" x 3-1/4" Tapcon Masonry Screw.....	9.45	
	<i>For >10 To 50, Deduct</i>	-0.46	
	<i>For >50 To 100, Deduct</i>	-0.92	
	<i>For >100, Deduct</i>	-1.84	
05 05 19 00-0203	EA 1/4" x 1-1/4" Tapcon Masonry Screw.....	9.35	
	<i>For >10 To 50, Deduct</i>	-0.46	
	<i>For >50 To 100, Deduct</i>	-0.92	
	<i>For >100, Deduct</i>	-1.83	
05 05 19 00-0204	EA 1/4" x 2-1/4" Tapcon Masonry Screw.....	9.41	
	<i>For >10 To 50, Deduct</i>	-0.46	
	<i>For >50 To 100, Deduct</i>	-0.92	
	<i>For >100, Deduct</i>	-1.84	
05 05 19 00-0205	EA 1/4" x 3-1/4" Tapcon Masonry Screw.....	9.54	
	<i>For >10 To 50, Deduct</i>	-0.46	
	<i>For >50 To 100, Deduct</i>	-0.92	
	<i>For >100, Deduct</i>	-1.84	
05 05 19 00-0206	Large Diameter, Self-Threading Concrete Fasteners (05 05 19 00-0199)		
	Note: Includes drilling. Zinc plated.		
05 05 19 00-0207	EA 3/8" x 1-3/4", Large Diameter, Self-Threading Concrete Fastener.....	9.78	
	<i>For >10 To 50, Deduct</i>	-0.46	
	<i>For >50 To 100, Deduct</i>	-0.93	
	<i>For >100, Deduct</i>	-1.86	
05 05 19 00-0208	EA 3/8" x 2-1/2", Large Diameter, Self-Threading Concrete Fastener.....	10.02	
	<i>For >10 To 50, Deduct</i>	-0.46	
	<i>For >50 To 100, Deduct</i>	-0.93	
	<i>For >100, Deduct</i>	-1.87	
05 05 19 00-0209	EA 3/8" x 3", Large Diameter, Self-Threading Concrete Fastener.....	10.09	
	<i>For >10 To 50, Deduct</i>	-0.46	
	<i>For >50 To 100, Deduct</i>	-0.94	
	<i>For >100, Deduct</i>	-1.87	
05 05 19 00-0210	EA 3/8" x 4", Large Diameter, Self-Threading Concrete Fastener.....	10.21	
	<i>For >10 To 50, Deduct</i>	-0.46	
	<i>For >50 To 100, Deduct</i>	-0.94	
	<i>For >100, Deduct</i>	-1.88	
05 05 19 00-0211	EA 3/8" x 5", Large Diameter, Self-Threading Concrete Fastener.....	10.31	
	<i>For >10 To 50, Deduct</i>	-0.46	
	<i>For >50 To 100, Deduct</i>	-0.94	
	<i>For >100, Deduct</i>	-1.88	
05 05 19 00-0212	EA 1/2" x 3", Large Diameter, Self-Threading Concrete Fastener.....	10.52	
	<i>For >10 To 50, Deduct</i>	-0.46	
	<i>For >50 To 100, Deduct</i>	-0.95	
	<i>For >100, Deduct</i>	-1.89	
05 05 19 00-0213	EA 1/2" x 4", Large Diameter, Self-Threading Concrete Fastener.....	10.78	
	<i>For >10 To 50, Deduct</i>	-0.46	
	<i>For >50 To 100, Deduct</i>	-0.95	
	<i>For >100, Deduct</i>	-1.91	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 19 00-0214 EA 1/2" x 5", Large Diameter, Self-Threading Concrete Fastener.....	11.01	
For >10 To 50, Deduct	-0.46	
For >50 To 100, Deduct	-0.96	
For >100, Deduct	-1.92	
05 05 19 00-0215 EA 1/2" x 6", Large Diameter, Self-Threading Concrete Fastener.....	11.68	
For >10 To 50, Deduct	-0.46	
For >50 To 100, Deduct	-0.98	
For >100, Deduct	-1.95	
05 05 19 00-0216 EA 5/8" x 3", Large Diameter, Self-Threading Concrete Fastener.....	11.76	
For >10 To 50, Deduct	-0.46	
For >50 To 100, Deduct	-0.98	
For >100, Deduct	-1.95	
05 05 19 00-0217 EA 5/8" x 4", Large Diameter, Self-Threading Concrete Fastener.....	12.17	
For >10 To 50, Deduct	-0.46	
For >50 To 100, Deduct	-0.99	
For >100, Deduct	-1.98	
05 05 19 00-0218 EA 5/8" x 5", Large Diameter, Self-Threading Concrete Fastener.....	12.59	
For >10 To 50, Deduct	-0.46	
For >50 To 100, Deduct	-1.00	
For >100, Deduct	-2.00	
05 05 19 00-0219 EA 5/8" x 6", Large Diameter, Self-Threading Concrete Fastener.....	12.86	
For >10 To 50, Deduct	-0.46	
For >50 To 100, Deduct	-1.00	
For >100, Deduct	-2.01	
05 05 19 00-0220 EA 3/4" x 4-1/2", Large Diameter, Self-Threading Concrete Fastener.....	12.74	
For >10 To 50, Deduct	-0.46	
For >50 To 100, Deduct	-1.00	
For >100, Deduct	-2.00	
05 05 19 00-0221 EA 3/4" x 5-1/2", Large Diameter, Self-Threading Concrete Fastener.....	13.13	
For >10 To 50, Deduct	-0.46	
For >50 To 100, Deduct	-1.01	
For >100, Deduct	-2.02	
05 05 19 00-0222 EA 3/4" x 6-1/4", Large Diameter, Self-Threading Concrete Fastener.....	14.04	
For >10 To 50, Deduct	-0.46	
For >50 To 100, Deduct	-1.03	
For >100, Deduct	-2.07	
05 05 19 00-0223 Pin Bolt Drives (05 05 19 00-0198)		
Note: Includes drilling. Zinc plated.		
05 05 19 00-0224 EA 1/4" x 1" Pin Bolt Drive.....	5.74	
For >10 To 50, Deduct	-0.27	
For >50 To 100, Deduct	-0.55	
For >100, Deduct	-1.11	
05 05 19 00-0225 EA 1/4" x 1-1/4" Pin Bolt Drive.....	5.74	
For >10 To 50, Deduct	-0.27	
For >50 To 100, Deduct	-0.55	
For >100, Deduct	-1.11	
05 05 19 00-0226 EA 1/4" x 1-1/2" Pin Bolt Drive.....	5.78	
For >10 To 50, Deduct	-0.27	
For >50 To 100, Deduct	-0.55	
For >100, Deduct	-1.11	
05 05 19 00-0227 EA 1/4" x 2" Pin Bolt Drive.....	5.79	
For >10 To 50, Deduct	-0.27	
For >50 To 100, Deduct	-0.55	
For >100, Deduct	-1.11	
05 05 19 00-0228 Powder Actuated, Shot-In Place Anchors With Exposed Thread (05 05 19 00-0198)		
05 05 19 00-0229 EA 1/4" Diameter Threaded Stud Powder Actuated Anchor.....	1.63	
For >10 To 50, Deduct	-0.06	
For >50 To 100, Deduct	-0.14	
For >100, Deduct	-0.27	
05 05 19 00-0230 EA 3/8" Diameter Threaded Stud Powder Actuated Anchor.....	2.16	
For >10 To 50, Deduct	-0.08	
For >50 To 100, Deduct	-0.17	
For >100, Deduct	-0.34	
05 05 23 Metal Fastenings (05 05)		
05 05 23 00-0001 Hex Bolts (05 05 23)		
Note: For owner furnished materials or where requested by the owner. Excludes drilling through wood, steel, concrete, brick or block. See CSI section 02 41 19 13-0221 for drilling into concrete, 02 41 19 13-0231 for drilling into brick or block, 02 41 19 13-0241 for drilling into wood or plastic, 05 05 23 00-1567 for drilling through steel.		
05 05 23 00-0002 A307B Heavy Hex Bolts (05 05 23 00-0001)		
Note: Includes A307B heavy hex nut and two structural washers.		
05 05 23 00-0003 Plain Finish A307B Heavy Hex Bolts (05 05 23 00-0002)		
05 05 23 00-0004 EA 1/2" Diameter x 1-1/2" Long, Plain Finish A307B Heavy Hex Bolt.....	10.78	1.13
For >10 To 50, Deduct	-0.47	
For >50 To 100, Deduct	-0.97	
For >100, Deduct	-1.94	

05 Metals**05 05 Common Work Results For Metals****05 05 23 Metal Fastenings**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0005 EA 1/2" Diameter x 3" Long, Plain Finish A307B Heavy Hex Bolt	11.60	1.13
For >10 To 50, Deduct	-0.47	
For >50 To 100, Deduct	-0.99	
For >100, Deduct	-1.99	
05 05 23 00-0006 EA 5/8" Diameter x 2" Long, Plain Finish A307B Heavy Hex Bolt	11.62	1.13
For >10 To 50, Deduct	-0.47	
For >50 To 100, Deduct	-0.99	
For >100, Deduct	-1.99	
05 05 23 00-0007 EA 5/8" Diameter x 4" Long, Plain Finish A307B Heavy Hex Bolt	13.71	1.29
For >10 To 50, Deduct	-0.54	
For >50 To 100, Deduct	-1.15	
For >100, Deduct	-2.29	
05 05 23 00-0008 EA 3/4" Diameter x 2" Long, Plain Finish A307B Heavy Hex Bolt	12.99	1.13
For >10 To 50, Deduct	-0.47	
For >50 To 100, Deduct	-1.03	
For >100, Deduct	-2.06	
05 05 23 00-0009 EA 3/4" Diameter x 4" Long, Plain Finish A307B Heavy Hex Bolt	15.41	1.29
For >10 To 50, Deduct	-0.54	
For >50 To 100, Deduct	-1.19	
For >100, Deduct	-2.38	
05 05 23 00-0010 EA 3/4" Diameter x 6" Long, Plain Finish A307B Heavy Hex Bolt	18.77	1.34
For >10 To 50, Deduct	-0.56	
For >50 To 100, Deduct	-1.31	
For >100, Deduct	-2.62	
05 05 23 00-0011 EA 3/4" Diameter x 8" Long, Plain Finish A307B Heavy Hex Bolt	20.08	1.41
For >10 To 50, Deduct	-0.59	
For >50 To 100, Deduct	-1.38	
For >100, Deduct	-2.77	
05 05 23 00-0012 EA 7/8" Diameter x 2" Long, Plain Finish A307B Heavy Hex Bolt	15.25	1.22
For >10 To 50, Deduct	-0.51	
For >50 To 100, Deduct	-1.14	
For >100, Deduct	-2.29	
05 05 23 00-0013 EA 7/8" Diameter x 4" Long, Plain Finish A307B Heavy Hex Bolt	18.05	1.34
For >10 To 50, Deduct	-0.56	
For >50 To 100, Deduct	-1.29	
For >100, Deduct	-2.58	
05 05 23 00-0014 EA 1" Diameter x 4" Long, Plain Finish A307B Heavy Hex Bolt	20.81	1.41
For >10 To 50, Deduct	-0.59	
For >50 To 100, Deduct	-1.40	
For >100, Deduct	-2.80	
05 05 23 00-0015 EA 1" Diameter x 6" Long, Plain Finish A307B Heavy Hex Bolt	28.36	1.48
For >10 To 50, Deduct	-0.62	
For >50 To 100, Deduct	-1.64	
For >100, Deduct	-3.27	
05 05 23 00-0016 EA 1-1/4" Diameter x 4" Long, Plain Finish A307B Heavy Hex Bolt	33.04	1.67
For >10 To 50, Deduct	-0.70	
For >50 To 100, Deduct	-1.87	
For >100, Deduct	-3.75	
05 05 23 00-0017 EA 1-1/4" Diameter x 6" Long, Plain Finish A307B Heavy Hex Bolt	36.95	1.79
For >10 To 50, Deduct	-0.75	
For >50 To 100, Deduct	-2.05	
For >100, Deduct	-4.09	
05 05 23 00-0018 Galvanized A307B Heavy Hex Bolts (05 05 23 00-0002)		
05 05 23 00-0019 EA 1/2" Diameter x 1-1/2" Long, Galvanized A307B Heavy Hex Bolt	11.19	1.13
For >10 To 50, Deduct	-0.47	
For >50 To 100, Deduct	-0.98	
For >100, Deduct	-1.97	
05 05 23 00-0020 EA 1/2" Diameter x 3" Long, Galvanized A307B Heavy Hex Bolt	11.87	1.13
For >10 To 50, Deduct	-0.47	
For >50 To 100, Deduct	-1.00	
For >100, Deduct	-2.00	
05 05 23 00-0021 EA 5/8" Diameter x 2" Long, Galvanized A307B Heavy Hex Bolt	12.61	1.13
For >10 To 50, Deduct	-0.47	
For >50 To 100, Deduct	-1.02	
For >100, Deduct	-2.04	
05 05 23 00-0022 EA 5/8" Diameter x 4" Long, Galvanized A307B Heavy Hex Bolt	14.70	1.29
For >10 To 50, Deduct	-0.54	
For >50 To 100, Deduct	-1.17	
For >100, Deduct	-2.34	
05 05 23 00-0023 EA 3/4" Diameter x 2" Long, Galvanized A307B Heavy Hex Bolt	14.11	1.13
For >10 To 50, Deduct	-0.47	
For >50 To 100, Deduct	-1.06	
For >100, Deduct	-2.11	
05 05 23 00-0024 EA 3/4" Diameter x 4" Long, Galvanized A307B Heavy Hex Bolt	17.48	1.29
For >10 To 50, Deduct	-0.54	
For >50 To 100, Deduct	-1.24	
For >100, Deduct	-2.48	
05 05 23 00-0025 EA 3/4" Diameter x 6" Long, Galvanized A307B Heavy Hex Bolt	22.35	1.34
For >10 To 50, Deduct	-0.56	
For >50 To 100, Deduct	-1.40	
For >100, Deduct	-2.80	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0026 EA 3/4" Diameter x 8" Long, Galvanized A307B Heavy Hex Bolt.....	25.86	1.41
<i>For >10 To 50, Deduct</i>	-0.59	
<i>For >50 To 100, Deduct</i>	-1.53	
<i>For >100, Deduct</i>	-3.06	
05 05 23 00-0027 EA 7/8" Diameter x 2" Long, Galvanized A307B Heavy Hex Bolt.....	18.19	1.22
<i>For >10 To 50, Deduct</i>	-0.51	
<i>For >50 To 100, Deduct</i>	-1.22	
<i>For >100, Deduct</i>	-2.44	
05 05 23 00-0028 EA 7/8" Diameter x 4" Long, Galvanized A307B Heavy Hex Bolt.....	21.36	1.34
<i>For >10 To 50, Deduct</i>	-0.56	
<i>For >50 To 100, Deduct</i>	-1.37	
<i>For >100, Deduct</i>	-2.74	
05 05 23 00-0029 EA 1" Diameter x 4" Long, Galvanized A307B Heavy Hex Bolt.....	25.08	1.41
<i>For >10 To 50, Deduct</i>	-0.59	
<i>For >50 To 100, Deduct</i>	-1.51	
<i>For >100, Deduct</i>	-3.02	
05 05 23 00-0030 EA 1" Diameter x 6" Long, Galvanized A307B Heavy Hex Bolt.....	36.11	1.48
<i>For >10 To 50, Deduct</i>	-0.62	
<i>For >50 To 100, Deduct</i>	-1.83	
<i>For >100, Deduct</i>	-3.66	
05 05 23 00-0031 EA 1-1/4" Diameter x 4" Long, Galvanized A307B Heavy Hex Bolt.....	36.51	1.67
<i>For >10 To 50, Deduct</i>	-0.70	
<i>For >50 To 100, Deduct</i>	-1.96	
<i>For >100, Deduct</i>	-3.92	
05 05 23 00-0032 EA 1-1/4" Diameter x 6" Long, Galvanized A307B Heavy Hex Bolt.....	44.97	1.79
<i>For >10 To 50, Deduct</i>	-0.75	
<i>For >50 To 100, Deduct</i>	-2.25	
<i>For >100, Deduct</i>	-4.49	
05 05 23 00-0033 A325 High Strength Structural Bolts <small>(05 05 23 00-0001)</small>		
05 05 23 00-0034 Plain Finish A325 High Strength Structural Bolts <small>(05 05 23 00-0033)</small>		
Note: Includes A325 heavy hex nut and structural washer.		
05 05 23 00-0035 EA 1/2" Diameter x 1-1/2" Long, Plain Finish A325 High Strength Structural Bolt.....	10.59	1.13
<i>For >10 To 50, Deduct</i>	-0.47	
<i>For >50 To 100, Deduct</i>	-0.97	
<i>For >100, Deduct</i>	-1.94	
05 05 23 00-0036 EA 1/2" Diameter x 3" Long, Plain Finish A325 High Strength Structural Bolt.....	10.77	1.13
<i>For >10 To 50, Deduct</i>	-0.47	
<i>For >50 To 100, Deduct</i>	-0.97	
<i>For >100, Deduct</i>	-1.94	
05 05 23 00-0037 EA 5/8" Diameter x 2" Long, Plain Finish A325 High Strength Structural Bolt.....	11.35	1.13
<i>For >10 To 50, Deduct</i>	-0.47	
<i>For >50 To 100, Deduct</i>	-0.99	
<i>For >100, Deduct</i>	-1.97	
05 05 23 00-0038 EA 5/8" Diameter x 4" Long, Plain Finish A325 High Strength Structural Bolt.....	13.73	1.29
<i>For >10 To 50, Deduct</i>	-0.54	
<i>For >50 To 100, Deduct</i>	-1.15	
<i>For >100, Deduct</i>	-2.29	
05 05 23 00-0039 EA 5/8" Diameter x 6" Long, Plain Finish A325 High Strength Structural Bolt.....	15.58	1.34
<i>For >10 To 50, Deduct</i>	-0.56	
<i>For >50 To 100, Deduct</i>	-1.23	
<i>For >100, Deduct</i>	-2.46	
05 05 23 00-0040 EA 3/4" Diameter x 2" Long, Plain Finish A325 High Strength Structural Bolt.....	12.15	1.13
<i>For >10 To 50, Deduct</i>	-0.47	
<i>For >50 To 100, Deduct</i>	-1.01	
<i>For >100, Deduct</i>	-2.01	
05 05 23 00-0041 EA 3/4" Diameter x 4" Long, Plain Finish A325 High Strength Structural Bolt.....	14.58	1.29
<i>For >10 To 50, Deduct</i>	-0.54	
<i>For >50 To 100, Deduct</i>	-1.17	
<i>For >100, Deduct</i>	-2.33	
05 05 23 00-0042 EA 3/4" Diameter x 6" Long, Plain Finish A325 High Strength Structural Bolt.....	16.34	1.34
<i>For >10 To 50, Deduct</i>	-0.56	
<i>For >50 To 100, Deduct</i>	-1.25	
<i>For >100, Deduct</i>	-2.50	
05 05 23 00-0043 EA 3/4" Diameter x 8" Long, Plain Finish A325 High Strength Structural Bolt.....	19.57	1.41
<i>For >10 To 50, Deduct</i>	-0.59	
<i>For >50 To 100, Deduct</i>	-1.37	
<i>For >100, Deduct</i>	-2.74	
05 05 23 00-0044 EA 7/8" Diameter x 2" Long, Plain Finish A325 High Strength Structural Bolt.....	13.93	1.22
<i>For >10 To 50, Deduct</i>	-0.51	
<i>For >50 To 100, Deduct</i>	-1.11	
<i>For >100, Deduct</i>	-2.22	
05 05 23 00-0045 EA 7/8" Diameter x 4" Long, Plain Finish A325 High Strength Structural Bolt.....	16.65	1.34
<i>For >10 To 50, Deduct</i>	-0.56	
<i>For >50 To 100, Deduct</i>	-1.25	
<i>For >100, Deduct</i>	-2.51	
05 05 23 00-0046 EA 7/8" Diameter x 6" Long, Plain Finish A325 High Strength Structural Bolt.....	18.74	1.41
<i>For >10 To 50, Deduct</i>	-0.59	
<i>For >50 To 100, Deduct</i>	-1.35	
<i>For >100, Deduct</i>	-2.70	
05 05 23 00-0047 EA 7/8" Diameter x 8" Long, Plain Finish A325 High Strength Structural Bolt.....	20.22	1.48
<i>For >10 To 50, Deduct</i>	-0.62	
<i>For >50 To 100, Deduct</i>	-1.43	
<i>For >100, Deduct</i>	-2.87	

05 Metals**05 05 Common Work Results For Metals****05 05 23 Metal Fastenings**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0048 EA 1" Diameter x 2" Long, Plain Finish A325 High Strength Structural Bolt.....	15.22	1.27
For >10 To 50, Deduct	-0.53	
For >50 To 100, Deduct	-1.17	
For >100, Deduct	-2.35	
05 05 23 00-0049 EA 1" Diameter x 4" Long, Plain Finish A325 High Strength Structural Bolt.....	18.06	1.41
For >10 To 50, Deduct	-0.59	
For >50 To 100, Deduct	-1.33	
For >100, Deduct	-2.67	
05 05 23 00-0050 EA 1" Diameter x 6" Long, Plain Finish A325 High Strength Structural Bolt.....	20.60	1.48
For >10 To 50, Deduct	-0.62	
For >50 To 100, Deduct	-1.44	
For >100, Deduct	-2.89	
05 05 23 00-0051 EA 1" Diameter x 8" Long, Plain Finish A325 High Strength Structural Bolt.....	25.68	1.58
For >10 To 50, Deduct	-0.66	
For >50 To 100, Deduct	-1.63	
For >100, Deduct	-3.26	
05 05 23 00-0052 EA 1-1/4" Diameter x 3" Long, Plain Finish A325 High Strength Structural Bolt.....	24.67	1.58
For >10 To 50, Deduct	-0.66	
For >50 To 100, Deduct	-1.60	
For >100, Deduct	-3.21	
05 05 23 00-0053 EA 1-1/4" Diameter x 4" Long, Plain Finish A325 High Strength Structural Bolt.....	27.72	1.67
For >10 To 50, Deduct	-0.70	
For >50 To 100, Deduct	-1.74	
For >100, Deduct	-3.48	
05 05 23 00-0054 EA 1-1/4" Diameter x 6" Long, Plain Finish A325 High Strength Structural Bolt.....	32.15	1.79
For >10 To 50, Deduct	-0.75	
For >50 To 100, Deduct	-1.93	
For >100, Deduct	-3.85	
05 05 23 00-0055 EA 1-1/4" Diameter x 8" Long, Plain Finish A325 High Strength Structural Bolt.....	37.34	1.91
For >10 To 50, Deduct	-0.80	
For >50 To 100, Deduct	-2.13	
For >100, Deduct	-4.26	
05 05 23 00-0056 Galvanized A325 High Strength Structural Bolts (05 05 23 00-0033)		
Note: Includes A325 heavy hex nut and structural washer.		
05 05 23 00-0057 EA 1/2" Diameter x 1-1/2" Long, Galvanized A325 High Strength Structural Bolt.....	10.96	1.13
For >10 To 50, Deduct	-0.47	
For >50 To 100, Deduct	-0.98	
For >100, Deduct	-1.95	
05 05 23 00-0058 EA 1/2" Diameter x 3" Long, Galvanized A325 High Strength Structural Bolt.....	11.08	1.13
For >10 To 50, Deduct	-0.47	
For >50 To 100, Deduct	-0.98	
For >100, Deduct	-1.96	
05 05 23 00-0059 EA 5/8" Diameter x 2" Long, Galvanized A325 High Strength Structural Bolt.....	12.11	1.13
For >10 To 50, Deduct	-0.47	
For >50 To 100, Deduct	-1.01	
For >100, Deduct	-2.01	
05 05 23 00-0060 EA 5/8" Diameter x 4" Long, Galvanized A325 High Strength Structural Bolt.....	14.27	1.29
For >10 To 50, Deduct	-0.54	
For >50 To 100, Deduct	-1.16	
For >100, Deduct	-2.32	
05 05 23 00-0061 EA 5/8" Diameter x 6" Long, Galvanized A325 High Strength Structural Bolt.....	15.06	1.34
For >10 To 50, Deduct	-0.56	
For >50 To 100, Deduct	-1.22	
For >100, Deduct	-2.43	
05 05 23 00-0062 EA 3/4" Diameter x 2" Long, Galvanized A325 High Strength Structural Bolt.....	12.50	1.13
For >10 To 50, Deduct	-0.47	
For >50 To 100, Deduct	-1.02	
For >100, Deduct	-2.03	
05 05 23 00-0063 EA 3/4" Diameter x 4" Long, Galvanized A325 High Strength Structural Bolt.....	15.02	1.29
For >10 To 50, Deduct	-0.54	
For >50 To 100, Deduct	-1.18	
For >100, Deduct	-2.36	
05 05 23 00-0064 EA 3/4" Diameter x 6" Long, Galvanized A325 High Strength Structural Bolt.....	17.02	1.34
For >10 To 50, Deduct	-0.56	
For >50 To 100, Deduct	-1.26	
For >100, Deduct	-2.53	
05 05 23 00-0065 EA 3/4" Diameter x 8" Long, Galvanized A325 High Strength Structural Bolt.....	21.19	1.41
For >10 To 50, Deduct	-0.59	
For >50 To 100, Deduct	-1.41	
For >100, Deduct	-2.82	
05 05 23 00-0066 EA 7/8" Diameter x 2" Long, Galvanized A325 High Strength Structural Bolt.....	16.03	1.22
For >10 To 50, Deduct	-0.51	
For >50 To 100, Deduct	-1.16	
For >100, Deduct	-2.33	
05 05 23 00-0067 EA 7/8" Diameter x 4" Long, Galvanized A325 High Strength Structural Bolt.....	17.89	1.34
For >10 To 50, Deduct	-0.56	
For >50 To 100, Deduct	-1.29	
For >100, Deduct	-2.57	
05 05 23 00-0068 EA 7/8" Diameter x 6" Long, Galvanized A325 High Strength Structural Bolt.....	20.24	1.41
For >10 To 50, Deduct	-0.59	
For >50 To 100, Deduct	-1.39	
For >100, Deduct	-2.78	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0069 EA 7/8" Diameter x 8" Long, Galvanized A325 High Strength Structural Bolt.....	24.73	1.48
<i>For >10 To 50, Deduct</i>	-0.62	
<i>For >50 To 100, Deduct</i>	-1.55	
<i>For >100, Deduct</i>	-3.09	
05 05 23 00-0070 EA 1" Diameter x 2" Long, Galvanized A325 High Strength Structural Bolt	16.85	1.27
<i>For >10 To 50, Deduct</i>	-0.53	
<i>For >50 To 100, Deduct</i>	-1.21	
<i>For >100, Deduct</i>	-2.43	
05 05 23 00-0071 EA 1" Diameter x 4" Long, Galvanized A325 High Strength Structural Bolt	21.80	1.41
<i>For >10 To 50, Deduct</i>	-0.59	
<i>For >50 To 100, Deduct</i>	-1.43	
<i>For >100, Deduct</i>	-2.85	
05 05 23 00-0072 EA 1" Diameter x 6" Long, Galvanized A325 High Strength Structural Bolt	23.73	1.48
<i>For >10 To 50, Deduct</i>	-0.62	
<i>For >50 To 100, Deduct</i>	-1.52	
<i>For >100, Deduct</i>	-3.04	
05 05 23 00-0073 EA 1" Diameter x 8" Long, Galvanized A325 High Strength Structural Bolt	29.54	1.58
<i>For >10 To 50, Deduct</i>	-0.66	
<i>For >50 To 100, Deduct</i>	-1.73	
<i>For >100, Deduct</i>	-3.45	
05 05 23 00-0074 EA 1-1/4" Diameter x 3" Long, Galvanized A325 High Strength Structural Bolt	29.38	1.58
<i>For >10 To 50, Deduct</i>	-0.66	
<i>For >50 To 100, Deduct</i>	-1.72	
<i>For >100, Deduct</i>	-3.44	
05 05 23 00-0075 EA 1-1/4" Diameter x 4" Long, Galvanized A325 High Strength Structural Bolt	31.32	1.67
<i>For >10 To 50, Deduct</i>	-0.70	
<i>For >50 To 100, Deduct</i>	-1.83	
<i>For >100, Deduct</i>	-3.66	
05 05 23 00-0076 EA 1-1/4" Diameter x 6" Long, Galvanized A325 High Strength Structural Bolt	36.28	1.79
<i>For >10 To 50, Deduct</i>	-0.75	
<i>For >50 To 100, Deduct</i>	-2.03	
<i>For >100, Deduct</i>	-4.06	
05 05 23 00-0077 EA 1-1/4" Diameter x 8" Long, Galvanized A325 High Strength Structural Bolt	41.65	1.91
<i>For >10 To 50, Deduct</i>	-0.80	
<i>For >50 To 100, Deduct</i>	-2.24	
<i>For >100, Deduct</i>	-4.48	
05 05 23 00-0078 A490 High Strength Structural Bolts (05 05 23 00-0001)		
Note: Includes A490 heavy hex nut and two structural washers.		
05 05 23 00-0079 Plain Finish A490 High Strength Structural Bolts (05 05 23 00-0078)		
05 05 23 00-0080 EA 5/8" Diameter x 2" Long, Plain Finish A490 High Strength Structural Bolt.....	11.64	1.13
<i>For >10 To 50, Deduct</i>	-0.47	
<i>For >50 To 100, Deduct</i>	-0.99	
<i>For >100, Deduct</i>	-1.99	
05 05 23 00-0081 EA 5/8" Diameter x 4" Long, Plain Finish A490 High Strength Structural Bolt.....	15.69	1.29
<i>For >10 To 50, Deduct</i>	-0.54	
<i>For >50 To 100, Deduct</i>	-1.20	
<i>For >100, Deduct</i>	-2.39	
05 05 23 00-0082 EA 5/8" Diameter x 6" Long, Plain Finish A490 High Strength Structural Bolt.....	16.71	1.34
<i>For >10 To 50, Deduct</i>	-0.56	
<i>For >50 To 100, Deduct</i>	-1.26	
<i>For >100, Deduct</i>	-2.51	
05 05 23 00-0083 EA 3/4" Diameter x 2" Long, Plain Finish A490 High Strength Structural Bolt.....	12.75	1.13
<i>For >10 To 50, Deduct</i>	-0.47	
<i>For >50 To 100, Deduct</i>	-1.02	
<i>For >100, Deduct</i>	-2.04	
05 05 23 00-0084 EA 3/4" Diameter x 4" Long, Plain Finish A490 High Strength Structural Bolt.....	15.25	1.29
<i>For >10 To 50, Deduct</i>	-0.54	
<i>For >50 To 100, Deduct</i>	-1.18	
<i>For >100, Deduct</i>	-2.37	
05 05 23 00-0085 EA 3/4" Diameter x 6" Long, Plain Finish A490 High Strength Structural Bolt.....	17.42	1.34
<i>For >10 To 50, Deduct</i>	-0.56	
<i>For >50 To 100, Deduct</i>	-1.27	
<i>For >100, Deduct</i>	-2.55	
05 05 23 00-0086 EA 3/4" Diameter x 8" Long, Plain Finish A490 High Strength Structural Bolt.....	21.68	1.41
<i>For >10 To 50, Deduct</i>	-0.59	
<i>For >50 To 100, Deduct</i>	-1.42	
<i>For >100, Deduct</i>	-2.85	
05 05 23 00-0087 EA 7/8" Diameter x 2" Long, Plain Finish A490 High Strength Structural Bolt.....	14.61	1.22
<i>For >10 To 50, Deduct</i>	-0.51	
<i>For >50 To 100, Deduct</i>	-1.13	
<i>For >100, Deduct</i>	-2.26	
05 05 23 00-0088 EA 7/8" Diameter x 4" Long, Plain Finish A490 High Strength Structural Bolt.....	16.86	1.34
<i>For >10 To 50, Deduct</i>	-0.56	
<i>For >50 To 100, Deduct</i>	-1.26	
<i>For >100, Deduct</i>	-2.52	
05 05 23 00-0089 EA 7/8" Diameter x 6" Long, Plain Finish A490 High Strength Structural Bolt.....	23.15	1.41
<i>For >10 To 50, Deduct</i>	-0.59	
<i>For >50 To 100, Deduct</i>	-1.46	
<i>For >100, Deduct</i>	-2.92	
05 05 23 00-0090 EA 1" Diameter x 2" Long, Plain Finish A490 High Strength Structural Bolt.....	16.81	1.27
<i>For >10 To 50, Deduct</i>	-0.53	
<i>For >50 To 100, Deduct</i>	-1.21	
<i>For >100, Deduct</i>	-2.43	

05 Metals**05 05 Common Work Results For Metals****05 05 23 Metal Fastenings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0091	EA		1" Diameter x 4" Long, Plain Finish A490 High Strength Structural Bolt.....	19.85	1.41
			<i>For >10 To 50, Deduct</i>	-0.59	
			<i>For >50 To 100, Deduct</i>	-1.38	
			<i>For >100, Deduct</i>	-2.76	
05 05 23 00-0092	EA		1" Diameter x 6" Long, Plain Finish A490 High Strength Structural Bolt.....	22.53	1.48
			<i>For >10 To 50, Deduct</i>	-0.62	
			<i>For >50 To 100, Deduct</i>	-1.49	
			<i>For >100, Deduct</i>	-2.98	
05 05 23 00-0093	EA		1-1/4" Diameter x 3" Long, Plain Finish A490 High Strength Structural Bolt.....	27.52	1.58
			<i>For >10 To 50, Deduct</i>	-0.66	
			<i>For >50 To 100, Deduct</i>	-1.68	
			<i>For >100, Deduct</i>	-3.35	
05 05 23 00-0094	EA		1-1/4" Diameter x 4" Long, Plain Finish A490 High Strength Structural Bolt.....	34.52	1.67
			<i>For >10 To 50, Deduct</i>	-0.70	
			<i>For >50 To 100, Deduct</i>	-1.91	
			<i>For >100, Deduct</i>	-3.82	
05 05 23 00-0095	EA		1-1/4" Diameter x 6" Long, Plain Finish A490 High Strength Structural Bolt.....	36.39	1.79
			<i>For >10 To 50, Deduct</i>	-0.75	
			<i>For >50 To 100, Deduct</i>	-2.03	
			<i>For >100, Deduct</i>	-4.06	
05 05 23 00-0096	EA		1-1/4" Diameter x 8" Long, Plain Finish A490 High Strength Structural Bolt.....	38.07	1.91
			<i>For >10 To 50, Deduct</i>	-0.80	
			<i>For >50 To 100, Deduct</i>	-2.15	
			<i>For >100, Deduct</i>	-4.30	
05 05 23 00-0097			Hex Head Bolts (05 05 23 00-0001)		
05 05 23 00-0098			Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolts (05 05 23 00-0097)		
05 05 23 00-0099			1/4" Diameter, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolts (05 05 23 00-0099)		
05 05 23 00-0100	EA		1/4" Diameter x 1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	5.75	
			<i>For >100 To 250, Deduct</i>	-1.14	
			<i>For >250 To 500, Deduct</i>	-1.42	
			<i>For >500, Deduct</i>	-1.71	
05 05 23 00-0101	EA		1/4" Diameter x 1" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	5.77	
			<i>For >100 To 250, Deduct</i>	-1.14	
			<i>For >250 To 500, Deduct</i>	-1.42	
			<i>For >500, Deduct</i>	-1.71	
05 05 23 00-0102	EA		1/4" Diameter x 1-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	5.81	
			<i>For >100 To 250, Deduct</i>	-1.14	
			<i>For >250 To 500, Deduct</i>	-1.42	
			<i>For >500, Deduct</i>	-1.71	
05 05 23 00-0103	EA		1/4" Diameter x 2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	5.84	
			<i>For >100 To 250, Deduct</i>	-1.14	
			<i>For >250 To 500, Deduct</i>	-1.42	
			<i>For >500, Deduct</i>	-1.71	
05 05 23 00-0104	EA		1/4" Diameter x 2-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	6.04	
			<i>For >100 To 250, Deduct</i>	-1.17	
			<i>For >250 To 500, Deduct</i>	-1.47	
			<i>For >500, Deduct</i>	-1.76	
05 05 23 00-0105	EA		1/4" Diameter x 3" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	6.05	
			<i>For >100 To 250, Deduct</i>	-1.17	
			<i>For >250 To 500, Deduct</i>	-1.47	
			<i>For >500, Deduct</i>	-1.76	
05 05 23 00-0106	EA		1/4" Diameter x 3-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	6.12	
			<i>For >100 To 250, Deduct</i>	-1.17	
			<i>For >250 To 500, Deduct</i>	-1.47	
			<i>For >500, Deduct</i>	-1.76	
05 05 23 00-0107	EA		1/4" Diameter x 4" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	6.29	
			<i>For >100 To 250, Deduct</i>	-1.20	
			<i>For >250 To 500, Deduct</i>	-1.51	
			<i>For >500, Deduct</i>	-1.81	
05 05 23 00-0108	EA		1/4" Diameter x 4-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	6.31	
			<i>For >100 To 250, Deduct</i>	-1.20	
			<i>For >250 To 500, Deduct</i>	-1.51	
			<i>For >500, Deduct</i>	-1.81	
05 05 23 00-0109	EA		1/4" Diameter x 5" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	6.42	
			<i>For >100 To 250, Deduct</i>	-1.20	
			<i>For >250 To 500, Deduct</i>	-1.51	
			<i>For >500, Deduct</i>	-1.81	
05 05 23 00-0110	EA		1/4" Diameter x 5-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	6.66	
			<i>For >100 To 250, Deduct</i>	-1.24	
			<i>For >250 To 500, Deduct</i>	-1.55	
			<i>For >500, Deduct</i>	-1.85	
05 05 23 00-0111	EA		1/4" Diameter x 6" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	6.74	
			<i>For >100 To 250, Deduct</i>	-1.24	
			<i>For >250 To 500, Deduct</i>	-1.55	
			<i>For >500, Deduct</i>	-1.85	
05 05 23 00-0112	EA		1/4" Diameter x 6-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	6.86	
			<i>For >100 To 250, Deduct</i>	-1.24	
			<i>For >250 To 500, Deduct</i>	-1.55	
			<i>For >500, Deduct</i>	-1.85	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0113 EA 1/4" Diameter x 7" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.27	
<i>For >100 To 250, Deduct</i>	-1.27	
<i>For >250 To 500, Deduct</i>	-1.59	
<i>For >500, Deduct</i>	-1.91	
05 05 23 00-0114 EA 1/4" Diameter x 7-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.44	
<i>For >100 To 250, Deduct</i>	-1.27	
<i>For >250 To 500, Deduct</i>	-1.59	
<i>For >500, Deduct</i>	-1.91	
05 05 23 00-0115 EA 1/4" Diameter x 8" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.48	
<i>For >100 To 250, Deduct</i>	-1.27	
<i>For >250 To 500, Deduct</i>	-1.59	
<i>For >500, Deduct</i>	-1.91	
05 05 23 00-0116 5/16" Diameter, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolts <small>(05 05 23 00-0098)</small>		
05 05 23 00-0117 EA 5/16" Diameter x 1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	5.79	
<i>For >100 To 250, Deduct</i>	-1.14	
<i>For >250 To 500, Deduct</i>	-1.42	
<i>For >500, Deduct</i>	-1.71	
05 05 23 00-0118 EA 5/16" Diameter x 1" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	5.81	
<i>For >100 To 250, Deduct</i>	-1.14	
<i>For >250 To 500, Deduct</i>	-1.42	
<i>For >500, Deduct</i>	-1.71	
05 05 23 00-0119 EA 5/16" Diameter x 1-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	5.85	
<i>For >100 To 250, Deduct</i>	-1.14	
<i>For >250 To 500, Deduct</i>	-1.42	
<i>For >500, Deduct</i>	-1.71	
05 05 23 00-0120 EA 5/16" Diameter x 2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	5.88	
<i>For >100 To 250, Deduct</i>	-1.14	
<i>For >250 To 500, Deduct</i>	-1.42	
<i>For >500, Deduct</i>	-1.71	
05 05 23 00-0121 EA 5/16" Diameter x 2-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	6.09	
<i>For >100 To 250, Deduct</i>	-1.17	
<i>For >250 To 500, Deduct</i>	-1.47	
<i>For >500, Deduct</i>	-1.76	
05 05 23 00-0122 EA 5/16" Diameter x 3" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	6.16	
<i>For >100 To 250, Deduct</i>	-1.17	
<i>For >250 To 500, Deduct</i>	-1.47	
<i>For >500, Deduct</i>	-1.76	
05 05 23 00-0123 EA 5/16" Diameter x 3-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	6.19	
<i>For >100 To 250, Deduct</i>	-1.17	
<i>For >250 To 500, Deduct</i>	-1.47	
<i>For >500, Deduct</i>	-1.76	
05 05 23 00-0124 EA 5/16" Diameter x 4" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	6.42	
<i>For >100 To 250, Deduct</i>	-1.20	
<i>For >250 To 500, Deduct</i>	-1.51	
<i>For >500, Deduct</i>	-1.81	
05 05 23 00-0125 EA 5/16" Diameter x 4-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	6.52	
<i>For >100 To 250, Deduct</i>	-1.20	
<i>For >250 To 500, Deduct</i>	-1.51	
<i>For >500, Deduct</i>	-1.81	
05 05 23 00-0126 EA 5/16" Diameter x 5" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	6.56	
<i>For >100 To 250, Deduct</i>	-1.20	
<i>For >250 To 500, Deduct</i>	-1.51	
<i>For >500, Deduct</i>	-1.81	
05 05 23 00-0127 EA 5/16" Diameter x 5-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	6.75	
<i>For >100 To 250, Deduct</i>	-1.24	
<i>For >250 To 500, Deduct</i>	-1.55	
<i>For >500, Deduct</i>	-1.85	
05 05 23 00-0128 EA 5/16" Diameter x 6" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	6.79	
<i>For >100 To 250, Deduct</i>	-1.24	
<i>For >250 To 500, Deduct</i>	-1.55	
<i>For >500, Deduct</i>	-1.85	
05 05 23 00-0129 EA 5/16" Diameter x 6-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.18	
<i>For >100 To 250, Deduct</i>	-1.24	
<i>For >250 To 500, Deduct</i>	-1.55	
<i>For >500, Deduct</i>	-1.85	
05 05 23 00-0130 EA 5/16" Diameter x 7" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.55	
<i>For >100 To 250, Deduct</i>	-1.27	
<i>For >250 To 500, Deduct</i>	-1.59	
<i>For >500, Deduct</i>	-1.91	
05 05 23 00-0131 EA 5/16" Diameter x 7-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.72	
<i>For >100 To 250, Deduct</i>	-1.27	
<i>For >250 To 500, Deduct</i>	-1.59	
<i>For >500, Deduct</i>	-1.91	
05 05 23 00-0132 EA 5/16" Diameter x 8" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.88	
<i>For >100 To 250, Deduct</i>	-1.27	
<i>For >250 To 500, Deduct</i>	-1.59	
<i>For >500, Deduct</i>	-1.91	
05 05 23 00-0133 3/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolts <small>(05 05 23 00-0098)</small>		

05 Metals**05 05 Common Work Results For Metals****05 05 23 Metal Fastenings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0134	EA		3/8" Diameter x 1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	5.84	
			<i>For >100 To 250, Deduct</i>	-1.14	
			<i>For >250 To 500, Deduct</i>	-1.42	
			<i>For >500, Deduct</i>	-1.71	
05 05 23 00-0135	EA		3/8" Diameter x 1" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	5.86	
			<i>For >100 To 250, Deduct</i>	-1.14	
			<i>For >250 To 500, Deduct</i>	-1.42	
			<i>For >500, Deduct</i>	-1.71	
05 05 23 00-0136	EA		3/8" Diameter x 1-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	5.91	
			<i>For >100 To 250, Deduct</i>	-1.14	
			<i>For >250 To 500, Deduct</i>	-1.42	
			<i>For >500, Deduct</i>	-1.71	
05 05 23 00-0137	EA		3/8" Diameter x 2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	5.96	
			<i>For >100 To 250, Deduct</i>	-1.14	
			<i>For >250 To 500, Deduct</i>	-1.42	
			<i>For >500, Deduct</i>	-1.71	
05 05 23 00-0138	EA		3/8" Diameter x 2-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	6.18	
			<i>For >100 To 250, Deduct</i>	-1.17	
			<i>For >250 To 500, Deduct</i>	-1.47	
			<i>For >500, Deduct</i>	-1.76	
05 05 23 00-0139	EA		3/8" Diameter x 3" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	6.27	
			<i>For >100 To 250, Deduct</i>	-1.17	
			<i>For >250 To 500, Deduct</i>	-1.47	
			<i>For >500, Deduct</i>	-1.76	
05 05 23 00-0140	EA		3/8" Diameter x 3-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	6.36	
			<i>For >100 To 250, Deduct</i>	-1.17	
			<i>For >250 To 500, Deduct</i>	-1.47	
			<i>For >500, Deduct</i>	-1.76	
05 05 23 00-0141	EA		3/8" Diameter x 4" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	6.61	
			<i>For >100 To 250, Deduct</i>	-1.20	
			<i>For >250 To 500, Deduct</i>	-1.51	
			<i>For >500, Deduct</i>	-1.81	
05 05 23 00-0142	EA		3/8" Diameter x 4-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	6.73	
			<i>For >100 To 250, Deduct</i>	-1.20	
			<i>For >250 To 500, Deduct</i>	-1.51	
			<i>For >500, Deduct</i>	-1.81	
05 05 23 00-0143	EA		3/8" Diameter x 5" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	6.79	
			<i>For >100 To 250, Deduct</i>	-1.20	
			<i>For >250 To 500, Deduct</i>	-1.51	
			<i>For >500, Deduct</i>	-1.81	
05 05 23 00-0144	EA		3/8" Diameter x 5-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.07	
			<i>For >100 To 250, Deduct</i>	-1.24	
			<i>For >250 To 500, Deduct</i>	-1.55	
			<i>For >500, Deduct</i>	-1.85	
05 05 23 00-0145	EA		3/8" Diameter x 6" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.14	
			<i>For >100 To 250, Deduct</i>	-1.24	
			<i>For >250 To 500, Deduct</i>	-1.55	
			<i>For >500, Deduct</i>	-1.85	
05 05 23 00-0146	EA		3/8" Diameter x 6-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.18	
			<i>For >100 To 250, Deduct</i>	-1.24	
			<i>For >250 To 500, Deduct</i>	-1.55	
			<i>For >500, Deduct</i>	-1.85	
05 05 23 00-0147	EA		3/8" Diameter x 7" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.39	
			<i>For >100 To 250, Deduct</i>	-1.27	
			<i>For >250 To 500, Deduct</i>	-1.59	
			<i>For >500, Deduct</i>	-1.91	
05 05 23 00-0148	EA		3/8" Diameter x 7-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.46	
			<i>For >100 To 250, Deduct</i>	-1.27	
			<i>For >250 To 500, Deduct</i>	-1.59	
			<i>For >500, Deduct</i>	-1.91	
05 05 23 00-0149	EA		3/8" Diameter x 8" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.57	
			<i>For >100 To 250, Deduct</i>	-1.27	
			<i>For >250 To 500, Deduct</i>	-1.59	
			<i>For >500, Deduct</i>	-1.91	
05 05 23 00-0150			7/16" Diameter, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolts <small>(05 05 23 00-0098)</small>		
05 05 23 00-0151	EA		7/16" Diameter x 1" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	6.88	
			<i>For >100 To 250, Deduct</i>	-1.30	
			<i>For >250 To 500, Deduct</i>	-1.63	
			<i>For >500, Deduct</i>	-1.95	
05 05 23 00-0152	EA		7/16" Diameter x 1-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	6.96	
			<i>For >100 To 250, Deduct</i>	-1.30	
			<i>For >250 To 500, Deduct</i>	-1.63	
			<i>For >500, Deduct</i>	-1.95	
05 05 23 00-0153	EA		7/16" Diameter x 2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	6.97	
			<i>For >100 To 250, Deduct</i>	-1.30	
			<i>For >250 To 500, Deduct</i>	-1.63	
			<i>For >500, Deduct</i>	-1.95	
05 05 23 00-0154	EA		7/16" Diameter x 2-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.23	
			<i>For >100 To 250, Deduct</i>	-1.33	
			<i>For >250 To 500, Deduct</i>	-1.67	
			<i>For >500, Deduct</i>	-2.00	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0155 EA 7/16" Diameter x 3" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.34	
<i>For >100 To 250, Deduct</i>	-1.33	
<i>For >250 To 500, Deduct</i>	-1.67	
<i>For >500, Deduct</i>	-2.00	
05 05 23 00-0156 EA 7/16" Diameter x 3-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.43	
<i>For >100 To 250, Deduct</i>	-1.33	
<i>For >250 To 500, Deduct</i>	-1.67	
<i>For >500, Deduct</i>	-2.00	
05 05 23 00-0157 EA 7/16" Diameter x 4" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.84	
<i>For >100 To 250, Deduct</i>	-1.37	
<i>For >250 To 500, Deduct</i>	-1.71	
<i>For >500, Deduct</i>	-2.05	
05 05 23 00-0158 EA 7/16" Diameter x 4-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.90	
<i>For >100 To 250, Deduct</i>	-1.37	
<i>For >250 To 500, Deduct</i>	-1.71	
<i>For >500, Deduct</i>	-2.05	
05 05 23 00-0159 EA 7/16" Diameter x 5" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.04	
<i>For >100 To 250, Deduct</i>	-1.37	
<i>For >250 To 500, Deduct</i>	-1.71	
<i>For >500, Deduct</i>	-2.05	
05 05 23 00-0160 EA 7/16" Diameter x 5-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.42	
<i>For >100 To 250, Deduct</i>	-1.40	
<i>For >250 To 500, Deduct</i>	-1.75	
<i>For >500, Deduct</i>	-2.10	
05 05 23 00-0161 EA 7/16" Diameter x 6" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.48	
<i>For >100 To 250, Deduct</i>	-1.40	
<i>For >250 To 500, Deduct</i>	-1.75	
<i>For >500, Deduct</i>	-2.10	
05 05 23 00-0162 EA 7/16" Diameter x 6-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.65	
<i>For >100 To 250, Deduct</i>	-1.40	
<i>For >250 To 500, Deduct</i>	-1.75	
<i>For >500, Deduct</i>	-2.10	
05 05 23 00-0163 EA 7/16" Diameter x 7" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.88	
<i>For >100 To 250, Deduct</i>	-1.43	
<i>For >250 To 500, Deduct</i>	-1.79	
<i>For >500, Deduct</i>	-2.15	
05 05 23 00-0164 EA 7/16" Diameter x 7-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.04	
<i>For >100 To 250, Deduct</i>	-1.43	
<i>For >250 To 500, Deduct</i>	-1.79	
<i>For >500, Deduct</i>	-2.15	
05 05 23 00-0165 EA 7/16" Diameter x 8" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.34	
<i>For >100 To 250, Deduct</i>	-1.43	
<i>For >250 To 500, Deduct</i>	-1.79	
<i>For >500, Deduct</i>	-2.15	
05 05 23 00-0166 1/2" Diameter, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolts <small>(05 05)</small>		
<small>23 00-0098</small> EA 1/2" Diameter x 1" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	6.82	
<i>For >100 To 250, Deduct</i>	-1.30	
<i>For >250 To 500, Deduct</i>	-1.63	
<i>For >500, Deduct</i>	-1.95	
05 05 23 00-0168 EA 1/2" Diameter x 1-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	6.91	
<i>For >100 To 250, Deduct</i>	-1.30	
<i>For >250 To 500, Deduct</i>	-1.63	
<i>For >500, Deduct</i>	-1.95	
05 05 23 00-0169 EA 1/2" Diameter x 2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.00	
<i>For >100 To 250, Deduct</i>	-1.30	
<i>For >250 To 500, Deduct</i>	-1.63	
<i>For >500, Deduct</i>	-1.95	
05 05 23 00-0170 EA 1/2" Diameter x 2-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.26	
<i>For >100 To 250, Deduct</i>	-1.33	
<i>For >250 To 500, Deduct</i>	-1.67	
<i>For >500, Deduct</i>	-2.00	
05 05 23 00-0171 EA 1/2" Diameter x 3" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.35	
<i>For >100 To 250, Deduct</i>	-1.33	
<i>For >250 To 500, Deduct</i>	-1.67	
<i>For >500, Deduct</i>	-2.00	
05 05 23 00-0172 EA 1/2" Diameter x 3-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.44	
<i>For >100 To 250, Deduct</i>	-1.33	
<i>For >250 To 500, Deduct</i>	-1.67	
<i>For >500, Deduct</i>	-2.00	
05 05 23 00-0173 EA 1/2" Diameter x 4" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.73	
<i>For >100 To 250, Deduct</i>	-1.37	
<i>For >250 To 500, Deduct</i>	-1.71	
<i>For >500, Deduct</i>	-2.05	
05 05 23 00-0174 EA 1/2" Diameter x 4-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.84	
<i>For >100 To 250, Deduct</i>	-1.37	
<i>For >250 To 500, Deduct</i>	-1.71	
<i>For >500, Deduct</i>	-2.05	
05 05 23 00-0175 EA 1/2" Diameter x 5" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.02	
<i>For >100 To 250, Deduct</i>	-1.37	
<i>For >250 To 500, Deduct</i>	-1.71	
<i>For >500, Deduct</i>	-2.05	

05 Metals**05 05 Common Work Results For Metals****05 05 23 Metal Fastenings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0176	EA		1/2" Diameter x 5-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.21	
			<i>For >100 To 250, Deduct</i>	-1.40	
			<i>For >250 To 500, Deduct</i>	-1.75	
			<i>For >500, Deduct</i>	-2.10	
05 05 23 00-0177	EA		1/2" Diameter x 6" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.23	
			<i>For >100 To 250, Deduct</i>	-1.40	
			<i>For >250 To 500, Deduct</i>	-1.75	
			<i>For >500, Deduct</i>	-2.10	
05 05 23 00-0178	EA		1/2" Diameter x 6-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.39	
			<i>For >100 To 250, Deduct</i>	-1.40	
			<i>For >250 To 500, Deduct</i>	-1.75	
			<i>For >500, Deduct</i>	-2.10	
05 05 23 00-0179	EA		1/2" Diameter x 7" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.69	
			<i>For >100 To 250, Deduct</i>	-1.43	
			<i>For >250 To 500, Deduct</i>	-1.79	
			<i>For >500, Deduct</i>	-2.15	
05 05 23 00-0180	EA		1/2" Diameter x 7-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.79	
			<i>For >100 To 250, Deduct</i>	-1.43	
			<i>For >250 To 500, Deduct</i>	-1.79	
			<i>For >500, Deduct</i>	-2.15	
05 05 23 00-0181	EA		1/2" Diameter x 8" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.06	
			<i>For >100 To 250, Deduct</i>	-1.43	
			<i>For >250 To 500, Deduct</i>	-1.79	
			<i>For >500, Deduct</i>	-2.15	
05 05 23 00-0182	EA		1/2" Diameter x 8-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.35	
			<i>For >100 To 250, Deduct</i>	-1.46	
			<i>For >250 To 500, Deduct</i>	-1.83	
			<i>For >500, Deduct</i>	-2.20	
05 05 23 00-0183	EA		1/2" Diameter x 9" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.45	
			<i>For >100 To 250, Deduct</i>	-1.46	
			<i>For >250 To 500, Deduct</i>	-1.83	
			<i>For >500, Deduct</i>	-2.20	
05 05 23 00-0184	EA		1/2" Diameter x 9-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.83	
			<i>For >100 To 250, Deduct</i>	-1.46	
			<i>For >250 To 500, Deduct</i>	-1.83	
			<i>For >500, Deduct</i>	-2.20	
05 05 23 00-0185	EA		1/2" Diameter x 10" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.94	
			<i>For >100 To 250, Deduct</i>	-1.46	
			<i>For >250 To 500, Deduct</i>	-1.83	
			<i>For >500, Deduct</i>	-2.20	
05 05 23 00-0186			9/16" Diameter, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolts <small>(05 05 23 00-0098)</small>		
05 05 23 00-0187	EA		9/16" Diameter x 1" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	6.91	
			<i>For >100 To 250, Deduct</i>	-1.30	
			<i>For >250 To 500, Deduct</i>	-1.63	
			<i>For >500, Deduct</i>	-1.95	
05 05 23 00-0188	EA		9/16" Diameter x 1-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.03	
			<i>For >100 To 250, Deduct</i>	-1.30	
			<i>For >250 To 500, Deduct</i>	-1.63	
			<i>For >500, Deduct</i>	-1.95	
05 05 23 00-0189	EA		9/16" Diameter x 2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.06	
			<i>For >100 To 250, Deduct</i>	-1.30	
			<i>For >250 To 500, Deduct</i>	-1.63	
			<i>For >500, Deduct</i>	-1.95	
05 05 23 00-0190	EA		9/16" Diameter x 2-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.62	
			<i>For >100 To 250, Deduct</i>	-1.33	
			<i>For >250 To 500, Deduct</i>	-1.67	
			<i>For >500, Deduct</i>	-2.00	
05 05 23 00-0191	EA		9/16" Diameter x 3" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.78	
			<i>For >100 To 250, Deduct</i>	-1.33	
			<i>For >250 To 500, Deduct</i>	-1.67	
			<i>For >500, Deduct</i>	-2.00	
05 05 23 00-0192	EA		9/16" Diameter x 3-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.83	
			<i>For >100 To 250, Deduct</i>	-1.33	
			<i>For >250 To 500, Deduct</i>	-1.67	
			<i>For >500, Deduct</i>	-2.00	
05 05 23 00-0193	EA		9/16" Diameter x 4" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.02	
			<i>For >100 To 250, Deduct</i>	-1.37	
			<i>For >250 To 500, Deduct</i>	-1.71	
			<i>For >500, Deduct</i>	-2.05	
05 05 23 00-0194	EA		9/16" Diameter x 4-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.06	
			<i>For >100 To 250, Deduct</i>	-1.37	
			<i>For >250 To 500, Deduct</i>	-1.71	
			<i>For >500, Deduct</i>	-2.05	
05 05 23 00-0195	EA		9/16" Diameter x 5" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.20	
			<i>For >100 To 250, Deduct</i>	-1.37	
			<i>For >250 To 500, Deduct</i>	-1.71	
			<i>For >500, Deduct</i>	-2.05	
05 05 23 00-0196	EA		9/16" Diameter x 5-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.39	
			<i>For >100 To 250, Deduct</i>	-1.40	
			<i>For >250 To 500, Deduct</i>	-1.75	
			<i>For >500, Deduct</i>	-2.10	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0197 EA 9/16" Diameter x 6" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.42	
<i>For >100 To 250, Deduct</i>	-1.40	
<i>For >250 To 500, Deduct</i>	-1.75	
<i>For >500, Deduct</i>	-2.10	
05 05 23 00-0198 EA 9/16" Diameter x 6-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.54	
<i>For >100 To 250, Deduct</i>	-1.40	
<i>For >250 To 500, Deduct</i>	-1.75	
<i>For >500, Deduct</i>	-2.10	
05 05 23 00-0199 EA 9/16" Diameter x 7" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.83	
<i>For >100 To 250, Deduct</i>	-1.43	
<i>For >250 To 500, Deduct</i>	-1.79	
<i>For >500, Deduct</i>	-2.15	
05 05 23 00-0200 EA 9/16" Diameter x 7-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.98	
<i>For >100 To 250, Deduct</i>	-1.43	
<i>For >250 To 500, Deduct</i>	-1.79	
<i>For >500, Deduct</i>	-2.15	
05 05 23 00-0201 EA 9/16" Diameter x 8" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.12	
<i>For >100 To 250, Deduct</i>	-1.43	
<i>For >250 To 500, Deduct</i>	-1.79	
<i>For >500, Deduct</i>	-2.15	
05 05 23 00-0202 EA 9/16" Diameter x 8-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.40	
<i>For >100 To 250, Deduct</i>	-1.46	
<i>For >250 To 500, Deduct</i>	-1.83	
<i>For >500, Deduct</i>	-2.20	
05 05 23 00-0203 EA 9/16" Diameter x 9" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.57	
<i>For >100 To 250, Deduct</i>	-1.46	
<i>For >250 To 500, Deduct</i>	-1.83	
<i>For >500, Deduct</i>	-2.20	
05 05 23 00-0204 EA 9/16" Diameter x 9-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.68	
<i>For >100 To 250, Deduct</i>	-1.46	
<i>For >250 To 500, Deduct</i>	-1.83	
<i>For >500, Deduct</i>	-2.20	
05 05 23 00-0205 EA 9/16" Diameter x 10" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.86	
<i>For >100 To 250, Deduct</i>	-1.46	
<i>For >250 To 500, Deduct</i>	-1.83	
<i>For >500, Deduct</i>	-2.20	
05 05 23 00-0206 5/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolts <small>(05 05 23 00-0098)</small>		
05 05 23 00-0207 EA 5/8" Diameter x 1" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.99	
<i>For >100 To 250, Deduct</i>	-1.46	
<i>For >250 To 500, Deduct</i>	-1.83	
<i>For >500, Deduct</i>	-2.20	
05 05 23 00-0208 EA 5/8" Diameter x 1-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.07	
<i>For >100 To 250, Deduct</i>	-1.46	
<i>For >250 To 500, Deduct</i>	-1.83	
<i>For >500, Deduct</i>	-2.20	
05 05 23 00-0209 EA 5/8" Diameter x 2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.18	
<i>For >100 To 250, Deduct</i>	-1.46	
<i>For >250 To 500, Deduct</i>	-1.83	
<i>For >500, Deduct</i>	-2.20	
05 05 23 00-0210 EA 5/8" Diameter x 2-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.48	
<i>For >100 To 250, Deduct</i>	-1.50	
<i>For >250 To 500, Deduct</i>	-1.87	
<i>For >500, Deduct</i>	-2.24	
05 05 23 00-0211 EA 5/8" Diameter x 3" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.64	
<i>For >100 To 250, Deduct</i>	-1.50	
<i>For >250 To 500, Deduct</i>	-1.87	
<i>For >500, Deduct</i>	-2.24	
05 05 23 00-0212 EA 5/8" Diameter x 3-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.83	
<i>For >100 To 250, Deduct</i>	-1.50	
<i>For >250 To 500, Deduct</i>	-1.87	
<i>For >500, Deduct</i>	-2.24	
05 05 23 00-0213 EA 5/8" Diameter x 4" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.25	
<i>For >100 To 250, Deduct</i>	-1.53	
<i>For >250 To 500, Deduct</i>	-1.91	
<i>For >500, Deduct</i>	-2.30	
05 05 23 00-0214 EA 5/8" Diameter x 4-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.55	
<i>For >100 To 250, Deduct</i>	-1.53	
<i>For >250 To 500, Deduct</i>	-1.91	
<i>For >500, Deduct</i>	-2.30	
05 05 23 00-0215 EA 5/8" Diameter x 5" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.78	
<i>For >100 To 250, Deduct</i>	-1.53	
<i>For >250 To 500, Deduct</i>	-1.91	
<i>For >500, Deduct</i>	-2.30	
05 05 23 00-0216 EA 5/8" Diameter x 5-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.04	
<i>For >100 To 250, Deduct</i>	-1.56	
<i>For >250 To 500, Deduct</i>	-1.95	
<i>For >500, Deduct</i>	-2.34	
05 05 23 00-0217 EA 5/8" Diameter x 6" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.07	
<i>For >100 To 250, Deduct</i>	-1.56	
<i>For >250 To 500, Deduct</i>	-1.95	
<i>For >500, Deduct</i>	-2.34	

05 Metals**05 05 Common Work Results For Metals****05 05 23 Metal Fastenings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0218	EA		5/8" Diameter x 6-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.47	
			<i>For >100 To 250, Deduct</i>	-1.56	
			<i>For >250 To 500, Deduct</i>	-1.95	
			<i>For >500, Deduct</i>	-2.34	
05 05 23 00-0219	EA		5/8" Diameter x 7" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.85	
			<i>For >100 To 250, Deduct</i>	-1.59	
			<i>For >250 To 500, Deduct</i>	-1.99	
			<i>For >500, Deduct</i>	-2.39	
05 05 23 00-0220	EA		5/8" Diameter x 7-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	11.17	
			<i>For >100 To 250, Deduct</i>	-1.59	
			<i>For >250 To 500, Deduct</i>	-1.99	
			<i>For >500, Deduct</i>	-2.39	
05 05 23 00-0221	EA		5/8" Diameter x 8" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	11.53	
			<i>For >100 To 250, Deduct</i>	-1.59	
			<i>For >250 To 500, Deduct</i>	-1.99	
			<i>For >500, Deduct</i>	-2.39	
05 05 23 00-0222	EA		5/8" Diameter x 8-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	12.09	
			<i>For >100 To 250, Deduct</i>	-1.63	
			<i>For >250 To 500, Deduct</i>	-2.03	
			<i>For >500, Deduct</i>	-2.44	
05 05 23 00-0223	EA		5/8" Diameter x 9" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	12.45	
			<i>For >100 To 250, Deduct</i>	-1.63	
			<i>For >250 To 500, Deduct</i>	-2.03	
			<i>For >500, Deduct</i>	-2.44	
05 05 23 00-0224	EA		5/8" Diameter x 9-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	12.82	
			<i>For >100 To 250, Deduct</i>	-1.63	
			<i>For >250 To 500, Deduct</i>	-2.03	
			<i>For >500, Deduct</i>	-2.44	
05 05 23 00-0225	EA		5/8" Diameter x 10" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	13.10	
			<i>For >100 To 250, Deduct</i>	-1.63	
			<i>For >250 To 500, Deduct</i>	-2.03	
			<i>For >500, Deduct</i>	-2.44	
05 05 23 00-0226			3/4" Diameter, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolts <small>(05 05 23 00-0098)</small>		
05 05 23 00-0227	EA		3/4" Diameter x 1" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.26	
			<i>For >100 To 250, Deduct</i>	-1.46	
			<i>For >250 To 500, Deduct</i>	-1.83	
			<i>For >500, Deduct</i>	-2.20	
05 05 23 00-0228	EA		3/4" Diameter x 1-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.42	
			<i>For >100 To 250, Deduct</i>	-1.46	
			<i>For >250 To 500, Deduct</i>	-1.83	
			<i>For >500, Deduct</i>	-2.20	
05 05 23 00-0229	EA		3/4" Diameter x 2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.57	
			<i>For >100 To 250, Deduct</i>	-1.46	
			<i>For >250 To 500, Deduct</i>	-1.83	
			<i>For >500, Deduct</i>	-2.20	
05 05 23 00-0230	EA		3/4" Diameter x 2-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.92	
			<i>For >100 To 250, Deduct</i>	-1.50	
			<i>For >250 To 500, Deduct</i>	-1.87	
			<i>For >500, Deduct</i>	-2.24	
05 05 23 00-0231	EA		3/4" Diameter x 3" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.15	
			<i>For >100 To 250, Deduct</i>	-1.50	
			<i>For >250 To 500, Deduct</i>	-1.87	
			<i>For >500, Deduct</i>	-2.24	
05 05 23 00-0232	EA		3/4" Diameter x 3-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.36	
			<i>For >100 To 250, Deduct</i>	-1.50	
			<i>For >250 To 500, Deduct</i>	-1.87	
			<i>For >500, Deduct</i>	-2.24	
05 05 23 00-0233	EA		3/4" Diameter x 4" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.75	
			<i>For >100 To 250, Deduct</i>	-1.53	
			<i>For >250 To 500, Deduct</i>	-1.91	
			<i>For >500, Deduct</i>	-2.30	
05 05 23 00-0234	EA		3/4" Diameter x 4-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.03	
			<i>For >100 To 250, Deduct</i>	-1.53	
			<i>For >250 To 500, Deduct</i>	-1.91	
			<i>For >500, Deduct</i>	-2.30	
05 05 23 00-0235	EA		3/4" Diameter x 5" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.26	
			<i>For >100 To 250, Deduct</i>	-1.53	
			<i>For >250 To 500, Deduct</i>	-1.91	
			<i>For >500, Deduct</i>	-2.30	
05 05 23 00-0236	EA		3/4" Diameter x 5-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.89	
			<i>For >100 To 250, Deduct</i>	-1.56	
			<i>For >250 To 500, Deduct</i>	-1.95	
			<i>For >500, Deduct</i>	-2.34	
05 05 23 00-0237	EA		3/4" Diameter x 6" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	11.07	
			<i>For >100 To 250, Deduct</i>	-1.56	
			<i>For >250 To 500, Deduct</i>	-1.95	
			<i>For >500, Deduct</i>	-2.34	
05 05 23 00-0238	EA		3/4" Diameter x 6-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	11.43	
			<i>For >100 To 250, Deduct</i>	-1.56	
			<i>For >250 To 500, Deduct</i>	-1.95	
			<i>For >500, Deduct</i>	-2.34	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0239 EA 3/4" Diameter x 7" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	11.61	
<i>For >100 To 250, Deduct</i>	-1.59	
<i>For >250 To 500, Deduct</i>	-1.99	
<i>For >500, Deduct</i>	-2.39	
05 05 23 00-0240 EA 3/4" Diameter x 7-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	12.43	
<i>For >100 To 250, Deduct</i>	-1.59	
<i>For >250 To 500, Deduct</i>	-1.99	
<i>For >500, Deduct</i>	-2.39	
05 05 23 00-0241 EA 3/4" Diameter x 8" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	12.81	
<i>For >100 To 250, Deduct</i>	-1.59	
<i>For >250 To 500, Deduct</i>	-1.99	
<i>For >500, Deduct</i>	-2.39	
05 05 23 00-0242 EA 3/4" Diameter x 8-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	13.48	
<i>For >100 To 250, Deduct</i>	-1.63	
<i>For >250 To 500, Deduct</i>	-2.03	
<i>For >500, Deduct</i>	-2.44	
05 05 23 00-0243 EA 3/4" Diameter x 9" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	13.86	
<i>For >100 To 250, Deduct</i>	-1.63	
<i>For >250 To 500, Deduct</i>	-2.03	
<i>For >500, Deduct</i>	-2.44	
05 05 23 00-0244 EA 3/4" Diameter x 9-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	14.37	
<i>For >100 To 250, Deduct</i>	-1.63	
<i>For >250 To 500, Deduct</i>	-2.03	
<i>For >500, Deduct</i>	-2.44	
05 05 23 00-0245 EA 3/4" Diameter x 10" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	14.87	
<i>For >100 To 250, Deduct</i>	-1.63	
<i>For >250 To 500, Deduct</i>	-2.03	
<i>For >500, Deduct</i>	-2.44	
05 05 23 00-0246 7/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolts <small>(05 05 23 00-0098)</small>		
05 05 23 00-0247 EA 7/8" Diameter x 1" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.93	
<i>For >100 To 250, Deduct</i>	-1.63	
<i>For >250 To 500, Deduct</i>	-2.03	
<i>For >500, Deduct</i>	-2.44	
05 05 23 00-0248 EA 7/8" Diameter x 1-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.07	
<i>For >100 To 250, Deduct</i>	-1.63	
<i>For >250 To 500, Deduct</i>	-2.03	
<i>For >500, Deduct</i>	-2.44	
05 05 23 00-0249 EA 7/8" Diameter x 2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.13	
<i>For >100 To 250, Deduct</i>	-1.63	
<i>For >250 To 500, Deduct</i>	-2.03	
<i>For >500, Deduct</i>	-2.44	
05 05 23 00-0250 EA 7/8" Diameter x 2-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.49	
<i>For >100 To 250, Deduct</i>	-1.66	
<i>For >250 To 500, Deduct</i>	-2.08	
<i>For >500, Deduct</i>	-2.49	
05 05 23 00-0251 EA 7/8" Diameter x 3" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.86	
<i>For >100 To 250, Deduct</i>	-1.66	
<i>For >250 To 500, Deduct</i>	-2.08	
<i>For >500, Deduct</i>	-2.49	
05 05 23 00-0252 EA 7/8" Diameter x 3-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	11.30	
<i>For >100 To 250, Deduct</i>	-1.66	
<i>For >250 To 500, Deduct</i>	-2.08	
<i>For >500, Deduct</i>	-2.49	
05 05 23 00-0253 EA 7/8" Diameter x 4" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	11.83	
<i>For >100 To 250, Deduct</i>	-1.69	
<i>For >250 To 500, Deduct</i>	-2.12	
<i>For >500, Deduct</i>	-2.54	
05 05 23 00-0254 EA 7/8" Diameter x 4-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	12.46	
<i>For >100 To 250, Deduct</i>	-1.69	
<i>For >250 To 500, Deduct</i>	-2.12	
<i>For >500, Deduct</i>	-2.54	
05 05 23 00-0255 EA 7/8" Diameter x 5" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	12.82	
<i>For >100 To 250, Deduct</i>	-1.69	
<i>For >250 To 500, Deduct</i>	-2.12	
<i>For >500, Deduct</i>	-2.54	
05 05 23 00-0256 EA 7/8" Diameter x 5-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	13.27	
<i>For >100 To 250, Deduct</i>	-1.73	
<i>For >250 To 500, Deduct</i>	-2.16	
<i>For >500, Deduct</i>	-2.59	
05 05 23 00-0257 EA 7/8" Diameter x 6" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	13.47	
<i>For >100 To 250, Deduct</i>	-1.73	
<i>For >250 To 500, Deduct</i>	-2.16	
<i>For >500, Deduct</i>	-2.59	
05 05 23 00-0258 EA 7/8" Diameter x 6-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	13.98	
<i>For >100 To 250, Deduct</i>	-1.73	
<i>For >250 To 500, Deduct</i>	-2.16	
<i>For >500, Deduct</i>	-2.59	
05 05 23 00-0259 EA 7/8" Diameter x 7" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	14.64	
<i>For >100 To 250, Deduct</i>	-1.76	
<i>For >250 To 500, Deduct</i>	-2.20	
<i>For >500, Deduct</i>	-2.64	

05 Metals**05 05 Common Work Results For Metals****05 05 23 Metal Fastenings**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
05 05 23 00-0260	EA 7/8" Diameter x 7-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	15.15	
	<i>For >100 To 250, Deduct</i>	-1.76	
	<i>For >250 To 500, Deduct</i>	-2.20	
	<i>For >500, Deduct</i>	-2.64	
05 05 23 00-0261	EA 7/8" Diameter x 8" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	15.65	
	<i>For >100 To 250, Deduct</i>	-1.76	
	<i>For >250 To 500, Deduct</i>	-2.20	
	<i>For >500, Deduct</i>	-2.64	
05 05 23 00-0262	EA 7/8" Diameter x 8-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	16.29	
	<i>For >100 To 250, Deduct</i>	-1.79	
	<i>For >250 To 500, Deduct</i>	-2.24	
	<i>For >500, Deduct</i>	-2.69	
05 05 23 00-0263	EA 7/8" Diameter x 9" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	16.82	
	<i>For >100 To 250, Deduct</i>	-1.79	
	<i>For >250 To 500, Deduct</i>	-2.24	
	<i>For >500, Deduct</i>	-2.69	
05 05 23 00-0264	EA 7/8" Diameter x 9-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	17.31	
	<i>For >100 To 250, Deduct</i>	-1.79	
	<i>For >250 To 500, Deduct</i>	-2.24	
	<i>For >500, Deduct</i>	-2.69	
05 05 23 00-0265	EA 7/8" Diameter x 10" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	17.83	
	<i>For >100 To 250, Deduct</i>	-1.79	
	<i>For >250 To 500, Deduct</i>	-2.24	
	<i>For >500, Deduct</i>	-2.69	
05 05 23 00-0266	1" Diameter, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolts <small>(05 05 23 00-0098)</small>		
05 05 23 00-0267	EA 1" Diameter x 1-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.55	
	<i>For >100 To 250, Deduct</i>	-1.63	
	<i>For >250 To 500, Deduct</i>	-2.03	
	<i>For >500, Deduct</i>	-2.44	
05 05 23 00-0268	EA 1" Diameter x 2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	11.47	
	<i>For >100 To 250, Deduct</i>	-1.63	
	<i>For >250 To 500, Deduct</i>	-2.03	
	<i>For >500, Deduct</i>	-2.44	
05 05 23 00-0269	EA 1" Diameter x 2-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	12.22	
	<i>For >100 To 250, Deduct</i>	-1.66	
	<i>For >250 To 500, Deduct</i>	-2.08	
	<i>For >500, Deduct</i>	-2.49	
05 05 23 00-0270	EA 1" Diameter x 3" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	12.94	
	<i>For >100 To 250, Deduct</i>	-1.66	
	<i>For >250 To 500, Deduct</i>	-2.08	
	<i>For >500, Deduct</i>	-2.49	
05 05 23 00-0271	EA 1" Diameter x 3-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	13.60	
	<i>For >100 To 250, Deduct</i>	-1.66	
	<i>For >250 To 500, Deduct</i>	-2.08	
	<i>For >500, Deduct</i>	-2.49	
05 05 23 00-0272	EA 1" Diameter x 4" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	14.44	
	<i>For >100 To 250, Deduct</i>	-1.69	
	<i>For >250 To 500, Deduct</i>	-2.12	
	<i>For >500, Deduct</i>	-2.54	
05 05 23 00-0273	EA 1" Diameter x 4-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	15.08	
	<i>For >100 To 250, Deduct</i>	-1.69	
	<i>For >250 To 500, Deduct</i>	-2.12	
	<i>For >500, Deduct</i>	-2.54	
05 05 23 00-0274	EA 1" Diameter x 5" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	15.74	
	<i>For >100 To 250, Deduct</i>	-1.69	
	<i>For >250 To 500, Deduct</i>	-2.12	
	<i>For >500, Deduct</i>	-2.54	
05 05 23 00-0275	EA 1" Diameter x 5-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	16.24	
	<i>For >100 To 250, Deduct</i>	-1.73	
	<i>For >250 To 500, Deduct</i>	-2.16	
	<i>For >500, Deduct</i>	-2.59	
05 05 23 00-0276	EA 1" Diameter x 6" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	16.56	
	<i>For >100 To 250, Deduct</i>	-1.73	
	<i>For >250 To 500, Deduct</i>	-2.16	
	<i>For >500, Deduct</i>	-2.59	
05 05 23 00-0277	EA 1" Diameter x 6-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	17.11	
	<i>For >100 To 250, Deduct</i>	-1.73	
	<i>For >250 To 500, Deduct</i>	-2.16	
	<i>For >500, Deduct</i>	-2.59	
05 05 23 00-0278	EA 1" Diameter x 7" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	17.83	
	<i>For >100 To 250, Deduct</i>	-1.76	
	<i>For >250 To 500, Deduct</i>	-2.20	
	<i>For >500, Deduct</i>	-2.64	
05 05 23 00-0279	EA 1" Diameter x 7-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	18.37	
	<i>For >100 To 250, Deduct</i>	-1.76	
	<i>For >250 To 500, Deduct</i>	-2.20	
	<i>For >500, Deduct</i>	-2.64	
05 05 23 00-0280	EA 1" Diameter x 8" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	18.95	
	<i>For >100 To 250, Deduct</i>	-1.76	
	<i>For >250 To 500, Deduct</i>	-2.20	
	<i>For >500, Deduct</i>	-2.64	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0281 EA 1" Diameter x 8-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	19.56	
<i>For >100 To 250, Deduct</i>	-1.79	
<i>For >250 To 500, Deduct</i>	-2.24	
<i>For >500, Deduct</i>	-2.69	
05 05 23 00-0282 EA 1" Diameter x 9" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	20.21	
<i>For >100 To 250, Deduct</i>	-1.79	
<i>For >250 To 500, Deduct</i>	-2.24	
<i>For >500, Deduct</i>	-2.69	
05 05 23 00-0283 EA 1" Diameter x 9-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	20.78	
<i>For >100 To 250, Deduct</i>	-1.79	
<i>For >250 To 500, Deduct</i>	-2.24	
<i>For >500, Deduct</i>	-2.69	
05 05 23 00-0284 EA 1" Diameter x 10" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	21.35	
<i>For >100 To 250, Deduct</i>	-1.79	
<i>For >250 To 500, Deduct</i>	-2.24	
<i>For >500, Deduct</i>	-2.69	
 05 05 23 00-0285 Zinc Plated Steel, Grade 5, Hex Head Bolts <small>(05 05 23 00-0087)</small>		
05 05 23 00-0286 1/4" Diameter, Zinc Plated Steel, Grade 5, Hex Head Bolts <small>(05 05 23 00-0285)</small>		
05 05 23 00-0287 EA 1/4" Diameter x 1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	5.79	
<i>For >100 To 250, Deduct</i>	-1.14	
<i>For >250 To 500, Deduct</i>	-1.42	
<i>For >500, Deduct</i>	-1.71	
05 05 23 00-0288 EA 1/4" Diameter x 1" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	5.81	
<i>For >100 To 250, Deduct</i>	-1.14	
<i>For >250 To 500, Deduct</i>	-1.42	
<i>For >500, Deduct</i>	-1.71	
05 05 23 00-0289 EA 1/4" Diameter x 1-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	5.84	
<i>For >100 To 250, Deduct</i>	-1.14	
<i>For >250 To 500, Deduct</i>	-1.42	
<i>For >500, Deduct</i>	-1.71	
05 05 23 00-0290 EA 1/4" Diameter x 2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	5.89	
<i>For >100 To 250, Deduct</i>	-1.14	
<i>For >250 To 500, Deduct</i>	-1.42	
<i>For >500, Deduct</i>	-1.71	
05 05 23 00-0291 EA 1/4" Diameter x 2-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	6.11	
<i>For >100 To 250, Deduct</i>	-1.17	
<i>For >250 To 500, Deduct</i>	-1.47	
<i>For >500, Deduct</i>	-1.76	
05 05 23 00-0292 EA 1/4" Diameter x 3" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	6.19	
<i>For >100 To 250, Deduct</i>	-1.17	
<i>For >250 To 500, Deduct</i>	-1.47	
<i>For >500, Deduct</i>	-1.76	
05 05 23 00-0293 EA 1/4" Diameter x 3-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	6.29	
<i>For >100 To 250, Deduct</i>	-1.17	
<i>For >250 To 500, Deduct</i>	-1.47	
<i>For >500, Deduct</i>	-1.76	
05 05 23 00-0294 EA 1/4" Diameter x 4" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	6.52	
<i>For >100 To 250, Deduct</i>	-1.20	
<i>For >250 To 500, Deduct</i>	-1.51	
<i>For >500, Deduct</i>	-1.81	
05 05 23 00-0295 EA 1/4" Diameter x 4-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	6.64	
<i>For >100 To 250, Deduct</i>	-1.20	
<i>For >250 To 500, Deduct</i>	-1.51	
<i>For >500, Deduct</i>	-1.81	
05 05 23 00-0296 EA 1/4" Diameter x 5" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	6.72	
<i>For >100 To 250, Deduct</i>	-1.20	
<i>For >250 To 500, Deduct</i>	-1.51	
<i>For >500, Deduct</i>	-1.81	
05 05 23 00-0297 EA 1/4" Diameter x 5-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	6.96	
<i>For >100 To 250, Deduct</i>	-1.24	
<i>For >250 To 500, Deduct</i>	-1.55	
<i>For >500, Deduct</i>	-1.85	
05 05 23 00-0298 EA 1/4" Diameter x 6" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	7.04	
<i>For >100 To 250, Deduct</i>	-1.24	
<i>For >250 To 500, Deduct</i>	-1.55	
<i>For >500, Deduct</i>	-1.85	
05 05 23 00-0299 EA 1/4" Diameter x 6-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	7.11	
<i>For >100 To 250, Deduct</i>	-1.24	
<i>For >250 To 500, Deduct</i>	-1.55	
<i>For >500, Deduct</i>	-1.85	
05 05 23 00-0300 EA 1/4" Diameter x 7" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	7.38	
<i>For >100 To 250, Deduct</i>	-1.27	
<i>For >250 To 500, Deduct</i>	-1.59	
<i>For >500, Deduct</i>	-1.91	
05 05 23 00-0301 EA 1/4" Diameter x 7-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	7.48	
<i>For >100 To 250, Deduct</i>	-1.27	
<i>For >250 To 500, Deduct</i>	-1.59	
<i>For >500, Deduct</i>	-1.91	
05 05 23 00-0302 EA 1/4" Diameter x 8" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	7.59	
<i>For >100 To 250, Deduct</i>	-1.27	
<i>For >250 To 500, Deduct</i>	-1.59	
<i>For >500, Deduct</i>	-1.91	

05 Metals**05 05 Common Work Results For Metals****05 05 23 Metal Fastenings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0303			5/16" Diameter, Zinc Plated Steel, Grade 5, Hex Head Bolts <small>(05 05 23 00-0285)</small>		
05 05 23 00-0304	EA		5/16" Diameter x 1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	5.84	
			<i>For >100 To 250, Deduct</i>	-1.14	
			<i>For >250 To 500, Deduct</i>	-1.42	
			<i>For >500, Deduct</i>	-1.71	
05 05 23 00-0305	EA		5/16" Diameter x 1" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	5.86	
			<i>For >100 To 250, Deduct</i>	-1.14	
			<i>For >250 To 500, Deduct</i>	-1.42	
			<i>For >500, Deduct</i>	-1.71	
05 05 23 00-0306	EA		5/16" Diameter x 1-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	5.90	
			<i>For >100 To 250, Deduct</i>	-1.14	
			<i>For >250 To 500, Deduct</i>	-1.42	
			<i>For >500, Deduct</i>	-1.71	
05 05 23 00-0307	EA		5/16" Diameter x 2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	5.96	
			<i>For >100 To 250, Deduct</i>	-1.14	
			<i>For >250 To 500, Deduct</i>	-1.42	
			<i>For >500, Deduct</i>	-1.71	
05 05 23 00-0308	EA		5/16" Diameter x 2-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	6.18	
			<i>For >100 To 250, Deduct</i>	-1.17	
			<i>For >250 To 500, Deduct</i>	-1.47	
			<i>For >500, Deduct</i>	-1.76	
05 05 23 00-0309	EA		5/16" Diameter x 3" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	6.27	
			<i>For >100 To 250, Deduct</i>	-1.17	
			<i>For >250 To 500, Deduct</i>	-1.47	
			<i>For >500, Deduct</i>	-1.76	
05 05 23 00-0310	EA		5/16" Diameter x 3-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	6.41	
			<i>For >100 To 250, Deduct</i>	-1.17	
			<i>For >250 To 500, Deduct</i>	-1.47	
			<i>For >500, Deduct</i>	-1.76	
05 05 23 00-0311	EA		5/16" Diameter x 4" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	6.65	
			<i>For >100 To 250, Deduct</i>	-1.20	
			<i>For >250 To 500, Deduct</i>	-1.51	
			<i>For >500, Deduct</i>	-1.81	
05 05 23 00-0312	EA		5/16" Diameter x 4-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	6.76	
			<i>For >100 To 250, Deduct</i>	-1.20	
			<i>For >250 To 500, Deduct</i>	-1.51	
			<i>For >500, Deduct</i>	-1.81	
05 05 23 00-0313	EA		5/16" Diameter x 5" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	6.87	
			<i>For >100 To 250, Deduct</i>	-1.20	
			<i>For >250 To 500, Deduct</i>	-1.51	
			<i>For >500, Deduct</i>	-1.81	
05 05 23 00-0314	EA		5/16" Diameter x 5-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	7.24	
			<i>For >100 To 250, Deduct</i>	-1.24	
			<i>For >250 To 500, Deduct</i>	-1.55	
			<i>For >500, Deduct</i>	-1.85	
05 05 23 00-0315	EA		5/16" Diameter x 6" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	7.28	
			<i>For >100 To 250, Deduct</i>	-1.24	
			<i>For >250 To 500, Deduct</i>	-1.55	
			<i>For >500, Deduct</i>	-1.85	
05 05 23 00-0316	EA		5/16" Diameter x 6-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	7.42	
			<i>For >100 To 250, Deduct</i>	-1.24	
			<i>For >250 To 500, Deduct</i>	-1.55	
			<i>For >500, Deduct</i>	-1.85	
05 05 23 00-0317	EA		5/16" Diameter x 7" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	7.77	
			<i>For >100 To 250, Deduct</i>	-1.27	
			<i>For >250 To 500, Deduct</i>	-1.59	
			<i>For >500, Deduct</i>	-1.91	
05 05 23 00-0318	EA		5/16" Diameter x 7-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	7.97	
			<i>For >100 To 250, Deduct</i>	-1.27	
			<i>For >250 To 500, Deduct</i>	-1.59	
			<i>For >500, Deduct</i>	-1.91	
05 05 23 00-0319	EA		5/16" Diameter x 8" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	8.16	
			<i>For >100 To 250, Deduct</i>	-1.27	
			<i>For >250 To 500, Deduct</i>	-1.59	
			<i>For >500, Deduct</i>	-1.91	
05 05 23 00-0320			3/8" Diameter, Zinc Plated Steel, Grade 5, Hex Head Bolts <small>(05 05 23 00-0285)</small>		
05 05 23 00-0321	EA		3/8" Diameter x 1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	5.87	
			<i>For >100 To 250, Deduct</i>	-1.14	
			<i>For >250 To 500, Deduct</i>	-1.42	
			<i>For >500, Deduct</i>	-1.71	
05 05 23 00-0322	EA		3/8" Diameter x 1" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	5.89	
			<i>For >100 To 250, Deduct</i>	-1.14	
			<i>For >250 To 500, Deduct</i>	-1.42	
			<i>For >500, Deduct</i>	-1.71	
05 05 23 00-0323	EA		3/8" Diameter x 1-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	5.96	
			<i>For >100 To 250, Deduct</i>	-1.14	
			<i>For >250 To 500, Deduct</i>	-1.42	
			<i>For >500, Deduct</i>	-1.71	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0324 EA 3/8" Diameter x 2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	6.03	
<i>For >100 To 250, Deduct</i>	-1.14	
<i>For >250 To 500, Deduct</i>	-1.42	
<i>For >500, Deduct</i>	-1.71	
05 05 23 00-0325 EA 3/8" Diameter x 2-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	6.27	
<i>For >100 To 250, Deduct</i>	-1.17	
<i>For >250 To 500, Deduct</i>	-1.47	
<i>For >500, Deduct</i>	-1.76	
05 05 23 00-0326 EA 3/8" Diameter x 3" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	6.35	
<i>For >100 To 250, Deduct</i>	-1.17	
<i>For >250 To 500, Deduct</i>	-1.47	
<i>For >500, Deduct</i>	-1.76	
05 05 23 00-0327 EA 3/8" Diameter x 3-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	6.48	
<i>For >100 To 250, Deduct</i>	-1.17	
<i>For >250 To 500, Deduct</i>	-1.47	
<i>For >500, Deduct</i>	-1.76	
05 05 23 00-0328 EA 3/8" Diameter x 4" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	6.78	
<i>For >100 To 250, Deduct</i>	-1.20	
<i>For >250 To 500, Deduct</i>	-1.51	
<i>For >500, Deduct</i>	-1.81	
05 05 23 00-0329 EA 3/8" Diameter x 4-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	7.08	
<i>For >100 To 250, Deduct</i>	-1.20	
<i>For >250 To 500, Deduct</i>	-1.51	
<i>For >500, Deduct</i>	-1.81	
05 05 23 00-0330 EA 3/8" Diameter x 5" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	7.21	
<i>For >100 To 250, Deduct</i>	-1.20	
<i>For >250 To 500, Deduct</i>	-1.51	
<i>For >500, Deduct</i>	-1.81	
05 05 23 00-0331 EA 3/8" Diameter x 5-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	7.55	
<i>For >100 To 250, Deduct</i>	-1.24	
<i>For >250 To 500, Deduct</i>	-1.55	
<i>For >500, Deduct</i>	-1.85	
05 05 23 00-0332 EA 3/8" Diameter x 6" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	7.68	
<i>For >100 To 250, Deduct</i>	-1.24	
<i>For >250 To 500, Deduct</i>	-1.55	
<i>For >500, Deduct</i>	-1.85	
05 05 23 00-0333 EA 3/8" Diameter x 6-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	7.90	
<i>For >100 To 250, Deduct</i>	-1.24	
<i>For >250 To 500, Deduct</i>	-1.55	
<i>For >500, Deduct</i>	-1.85	
05 05 23 00-0334 EA 3/8" Diameter x 7" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	8.24	
<i>For >100 To 250, Deduct</i>	-1.27	
<i>For >250 To 500, Deduct</i>	-1.59	
<i>For >500, Deduct</i>	-1.91	
05 05 23 00-0335 EA 3/8" Diameter x 7-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	8.54	
<i>For >100 To 250, Deduct</i>	-1.27	
<i>For >250 To 500, Deduct</i>	-1.59	
<i>For >500, Deduct</i>	-1.91	
05 05 23 00-0336 EA 3/8" Diameter x 8" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	8.78	
<i>For >100 To 250, Deduct</i>	-1.27	
<i>For >250 To 500, Deduct</i>	-1.59	
<i>For >500, Deduct</i>	-1.91	
05 05 23 00-0337 7/16" Diameter, Zinc Plated Steel, Grade 5, Hex Head Bolts <small>(05 05 23 00-0285)</small>		
05 05 23 00-0338 EA 7/16" Diameter x 1" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	6.83	
<i>For >100 To 250, Deduct</i>	-1.30	
<i>For >250 To 500, Deduct</i>	-1.63	
<i>For >500, Deduct</i>	-1.95	
05 05 23 00-0339 EA 7/16" Diameter x 1-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	6.89	
<i>For >100 To 250, Deduct</i>	-1.30	
<i>For >250 To 500, Deduct</i>	-1.63	
<i>For >500, Deduct</i>	-1.95	
05 05 23 00-0340 EA 7/16" Diameter x 2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	7.04	
<i>For >100 To 250, Deduct</i>	-1.30	
<i>For >250 To 500, Deduct</i>	-1.63	
<i>For >500, Deduct</i>	-1.95	
05 05 23 00-0341 EA 7/16" Diameter x 2-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	7.32	
<i>For >100 To 250, Deduct</i>	-1.33	
<i>For >250 To 500, Deduct</i>	-1.67	
<i>For >500, Deduct</i>	-2.00	
05 05 23 00-0342 EA 7/16" Diameter x 3" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	7.43	
<i>For >100 To 250, Deduct</i>	-1.33	
<i>For >250 To 500, Deduct</i>	-1.67	
<i>For >500, Deduct</i>	-2.00	
05 05 23 00-0343 EA 7/16" Diameter x 3-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	7.54	
<i>For >100 To 250, Deduct</i>	-1.33	
<i>For >250 To 500, Deduct</i>	-1.67	
<i>For >500, Deduct</i>	-2.00	
05 05 23 00-0344 EA 7/16" Diameter x 4" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	7.84	
<i>For >100 To 250, Deduct</i>	-1.37	
<i>For >250 To 500, Deduct</i>	-1.71	
<i>For >500, Deduct</i>	-2.05	

05 Metals**05 05 Common Work Results For Metals****05 05 23 Metal Fastenings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0345	EA		7/16" Diameter x 4-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	8.44	
			<i>For >100 To 250, Deduct</i>	-1.37	
			<i>For >250 To 500, Deduct</i>	-1.71	
			<i>For >500, Deduct</i>	-2.05	
05 05 23 00-0346	EA		7/16" Diameter x 5" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	8.70	
			<i>For >100 To 250, Deduct</i>	-1.37	
			<i>For >250 To 500, Deduct</i>	-1.71	
			<i>For >500, Deduct</i>	-2.05	
05 05 23 00-0347	EA		7/16" Diameter x 5-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	8.94	
			<i>For >100 To 250, Deduct</i>	-1.40	
			<i>For >250 To 500, Deduct</i>	-1.75	
			<i>For >500, Deduct</i>	-2.10	
05 05 23 00-0348	EA		7/16" Diameter x 6" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	9.06	
			<i>For >100 To 250, Deduct</i>	-1.40	
			<i>For >250 To 500, Deduct</i>	-1.75	
			<i>For >500, Deduct</i>	-2.10	
05 05 23 00-0349	EA		7/16" Diameter x 6-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	9.19	
			<i>For >100 To 250, Deduct</i>	-1.40	
			<i>For >250 To 500, Deduct</i>	-1.75	
			<i>For >500, Deduct</i>	-2.10	
05 05 23 00-0350	EA		7/16" Diameter x 7" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	9.52	
			<i>For >100 To 250, Deduct</i>	-1.43	
			<i>For >250 To 500, Deduct</i>	-1.79	
			<i>For >500, Deduct</i>	-2.15	
05 05 23 00-0351	EA		7/16" Diameter x 7-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	9.70	
			<i>For >100 To 250, Deduct</i>	-1.43	
			<i>For >250 To 500, Deduct</i>	-1.79	
			<i>For >500, Deduct</i>	-2.15	
05 05 23 00-0352	EA		7/16" Diameter x 8" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	9.87	
			<i>For >100 To 250, Deduct</i>	-1.43	
			<i>For >250 To 500, Deduct</i>	-1.79	
			<i>For >500, Deduct</i>	-2.15	
05 05 23 00-0353			1/2" Diameter, Zinc Plated Steel, Grade 5, Hex Head Bolts <small>(05 05 23 00-0285)</small>		
05 05 23 00-0354	EA		1/2" Diameter x 1" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	6.91	
			<i>For >100 To 250, Deduct</i>	-1.30	
			<i>For >250 To 500, Deduct</i>	-1.63	
			<i>For >500, Deduct</i>	-1.95	
05 05 23 00-0355	EA		1/2" Diameter x 1-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	6.99	
			<i>For >100 To 250, Deduct</i>	-1.30	
			<i>For >250 To 500, Deduct</i>	-1.63	
			<i>For >500, Deduct</i>	-1.95	
05 05 23 00-0356	EA		1/2" Diameter x 2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	7.08	
			<i>For >100 To 250, Deduct</i>	-1.30	
			<i>For >250 To 500, Deduct</i>	-1.63	
			<i>For >500, Deduct</i>	-1.95	
05 05 23 00-0357	EA		1/2" Diameter x 2-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	7.38	
			<i>For >100 To 250, Deduct</i>	-1.33	
			<i>For >250 To 500, Deduct</i>	-1.67	
			<i>For >500, Deduct</i>	-2.00	
05 05 23 00-0358	EA		1/2" Diameter x 3" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	7.52	
			<i>For >100 To 250, Deduct</i>	-1.33	
			<i>For >250 To 500, Deduct</i>	-1.67	
			<i>For >500, Deduct</i>	-2.00	
05 05 23 00-0359	EA		1/2" Diameter x 3-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	7.66	
			<i>For >100 To 250, Deduct</i>	-1.33	
			<i>For >250 To 500, Deduct</i>	-1.67	
			<i>For >500, Deduct</i>	-2.00	
05 05 23 00-0360	EA		1/2" Diameter x 4" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	7.96	
			<i>For >100 To 250, Deduct</i>	-1.37	
			<i>For >250 To 500, Deduct</i>	-1.71	
			<i>For >500, Deduct</i>	-2.05	
05 05 23 00-0361	EA		1/2" Diameter x 4-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	8.42	
			<i>For >100 To 250, Deduct</i>	-1.37	
			<i>For >250 To 500, Deduct</i>	-1.71	
			<i>For >500, Deduct</i>	-2.05	
05 05 23 00-0362	EA		1/2" Diameter x 5" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	8.45	
			<i>For >100 To 250, Deduct</i>	-1.37	
			<i>For >250 To 500, Deduct</i>	-1.71	
			<i>For >500, Deduct</i>	-2.05	
05 05 23 00-0363	EA		1/2" Diameter x 5-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	8.93	
			<i>For >100 To 250, Deduct</i>	-1.40	
			<i>For >250 To 500, Deduct</i>	-1.75	
			<i>For >500, Deduct</i>	-2.10	
05 05 23 00-0364	EA		1/2" Diameter x 6" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	9.11	
			<i>For >100 To 250, Deduct</i>	-1.40	
			<i>For >250 To 500, Deduct</i>	-1.75	
			<i>For >500, Deduct</i>	-2.10	
05 05 23 00-0365	EA		1/2" Diameter x 6-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	9.57	
			<i>For >100 To 250, Deduct</i>	-1.40	
			<i>For >250 To 500, Deduct</i>	-1.75	
			<i>For >500, Deduct</i>	-2.10	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0366 EA 1/2" Diameter x 7" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	10.15	
<i>For >100 To 250, Deduct</i>	-1.43	
<i>For >250 To 500, Deduct</i>	-1.79	
<i>For >500, Deduct</i>	-2.15	
05 05 23 00-0367 EA 1/2" Diameter x 7-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	10.42	
<i>For >100 To 250, Deduct</i>	-1.43	
<i>For >250 To 500, Deduct</i>	-1.79	
<i>For >500, Deduct</i>	-2.15	
05 05 23 00-0368 EA 1/2" Diameter x 8" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	10.51	
<i>For >100 To 250, Deduct</i>	-1.43	
<i>For >250 To 500, Deduct</i>	-1.79	
<i>For >500, Deduct</i>	-2.15	
05 05 23 00-0369 EA 1/2" Diameter x 8-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	11.15	
<i>For >100 To 250, Deduct</i>	-1.46	
<i>For >250 To 500, Deduct</i>	-1.83	
<i>For >500, Deduct</i>	-2.20	
05 05 23 00-0370 EA 1/2" Diameter x 9" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	11.61	
<i>For >100 To 250, Deduct</i>	-1.46	
<i>For >250 To 500, Deduct</i>	-1.83	
<i>For >500, Deduct</i>	-2.20	
05 05 23 00-0371 EA 1/2" Diameter x 9-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	12.26	
<i>For >100 To 250, Deduct</i>	-1.46	
<i>For >250 To 500, Deduct</i>	-1.83	
<i>For >500, Deduct</i>	-2.20	
05 05 23 00-0372 EA 1/2" Diameter x 10" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	12.50	
<i>For >100 To 250, Deduct</i>	-1.46	
<i>For >250 To 500, Deduct</i>	-1.83	
<i>For >500, Deduct</i>	-2.20	
05 05 23 00-0373 9/16" Diameter, Zinc Plated Steel, Grade 5, Hex Head Bolts <small>(05 05 23 00-0285)</small>		
05 05 23 00-0374 EA 9/16" Diameter x 1" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	7.16	
<i>For >100 To 250, Deduct</i>	-1.30	
<i>For >250 To 500, Deduct</i>	-1.63	
<i>For >500, Deduct</i>	-1.95	
05 05 23 00-0375 EA 9/16" Diameter x 1-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	7.31	
<i>For >100 To 250, Deduct</i>	-1.30	
<i>For >250 To 500, Deduct</i>	-1.63	
<i>For >500, Deduct</i>	-1.95	
05 05 23 00-0376 EA 9/16" Diameter x 2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	7.45	
<i>For >100 To 250, Deduct</i>	-1.30	
<i>For >250 To 500, Deduct</i>	-1.63	
<i>For >500, Deduct</i>	-1.95	
05 05 23 00-0377 EA 9/16" Diameter x 2-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	7.76	
<i>For >100 To 250, Deduct</i>	-1.33	
<i>For >250 To 500, Deduct</i>	-1.67	
<i>For >500, Deduct</i>	-2.00	
05 05 23 00-0378 EA 9/16" Diameter x 3" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	7.95	
<i>For >100 To 250, Deduct</i>	-1.33	
<i>For >250 To 500, Deduct</i>	-1.67	
<i>For >500, Deduct</i>	-2.00	
05 05 23 00-0379 EA 9/16" Diameter x 3-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	8.15	
<i>For >100 To 250, Deduct</i>	-1.33	
<i>For >250 To 500, Deduct</i>	-1.67	
<i>For >500, Deduct</i>	-2.00	
05 05 23 00-0380 EA 9/16" Diameter x 4" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	8.56	
<i>For >100 To 250, Deduct</i>	-1.37	
<i>For >250 To 500, Deduct</i>	-1.71	
<i>For >500, Deduct</i>	-2.05	
05 05 23 00-0381 EA 9/16" Diameter x 4-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	9.38	
<i>For >100 To 250, Deduct</i>	-1.37	
<i>For >250 To 500, Deduct</i>	-1.71	
<i>For >500, Deduct</i>	-2.05	
05 05 23 00-0382 EA 9/16" Diameter x 5" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	9.58	
<i>For >100 To 250, Deduct</i>	-1.37	
<i>For >250 To 500, Deduct</i>	-1.71	
<i>For >500, Deduct</i>	-2.05	
05 05 23 00-0383 EA 9/16" Diameter x 5-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	9.98	
<i>For >100 To 250, Deduct</i>	-1.40	
<i>For >250 To 500, Deduct</i>	-1.75	
<i>For >500, Deduct</i>	-2.10	
05 05 23 00-0384 EA 9/16" Diameter x 6" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	10.20	
<i>For >100 To 250, Deduct</i>	-1.40	
<i>For >250 To 500, Deduct</i>	-1.75	
<i>For >500, Deduct</i>	-2.10	
05 05 23 00-0385 EA 9/16" Diameter x 6-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	10.95	
<i>For >100 To 250, Deduct</i>	-1.40	
<i>For >250 To 500, Deduct</i>	-1.75	
<i>For >500, Deduct</i>	-2.10	
05 05 23 00-0386 EA 9/16" Diameter x 7" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	12.04	
<i>For >100 To 250, Deduct</i>	-1.43	
<i>For >250 To 500, Deduct</i>	-1.79	
<i>For >500, Deduct</i>	-2.15	

05 Metals**05 05 Common Work Results For Metals****05 05 23 Metal Fastenings**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0387 EA 9/16" Diameter x 7-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	12.34	
For >100 To 250, Deduct	-1.43	
For >250 To 500, Deduct	-1.79	
For >500, Deduct	-2.15	
05 05 23 00-0388 EA 9/16" Diameter x 8" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	12.86	
For >100 To 250, Deduct	-1.43	
For >250 To 500, Deduct	-1.79	
For >500, Deduct	-2.15	
05 05 23 00-0389 EA 9/16" Diameter x 8-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	13.51	
For >100 To 250, Deduct	-1.46	
For >250 To 500, Deduct	-1.83	
For >500, Deduct	-2.20	
05 05 23 00-0390 EA 9/16" Diameter x 9" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	13.70	
For >100 To 250, Deduct	-1.46	
For >250 To 500, Deduct	-1.83	
For >500, Deduct	-2.20	
05 05 23 00-0391 EA 9/16" Diameter x 9-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	13.88	
For >100 To 250, Deduct	-1.46	
For >250 To 500, Deduct	-1.83	
For >500, Deduct	-2.20	
05 05 23 00-0392 EA 9/16" Diameter x 10" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	14.35	
For >100 To 250, Deduct	-1.46	
For >250 To 500, Deduct	-1.83	
For >500, Deduct	-2.20	
05 05 23 00-0393 5/8" Diameter, Zinc Plated Steel, Grade 5, Hex Head Bolts (05 05 23 00-0285)		
05 05 23 00-0394 EA 5/8" Diameter x 1" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	8.13	
For >100 To 250, Deduct	-1.46	
For >250 To 500, Deduct	-1.83	
For >500, Deduct	-2.20	
05 05 23 00-0395 EA 5/8" Diameter x 1-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	8.18	
For >100 To 250, Deduct	-1.46	
For >250 To 500, Deduct	-1.83	
For >500, Deduct	-2.20	
05 05 23 00-0396 EA 5/8" Diameter x 2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	8.23	
For >100 To 250, Deduct	-1.46	
For >250 To 500, Deduct	-1.83	
For >500, Deduct	-2.20	
05 05 23 00-0397 EA 5/8" Diameter x 2-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	8.53	
For >100 To 250, Deduct	-1.50	
For >250 To 500, Deduct	-1.87	
For >500, Deduct	-2.24	
05 05 23 00-0398 EA 5/8" Diameter x 3" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	8.78	
For >100 To 250, Deduct	-1.50	
For >250 To 500, Deduct	-1.87	
For >500, Deduct	-2.24	
05 05 23 00-0399 EA 5/8" Diameter x 3-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	9.00	
For >100 To 250, Deduct	-1.50	
For >250 To 500, Deduct	-1.87	
For >500, Deduct	-2.24	
05 05 23 00-0400 EA 5/8" Diameter x 4" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	9.41	
For >100 To 250, Deduct	-1.53	
For >250 To 500, Deduct	-1.91	
For >500, Deduct	-2.30	
05 05 23 00-0401 EA 5/8" Diameter x 4-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	9.84	
For >100 To 250, Deduct	-1.53	
For >250 To 500, Deduct	-1.91	
For >500, Deduct	-2.30	
05 05 23 00-0402 EA 5/8" Diameter x 5" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	10.07	
For >100 To 250, Deduct	-1.53	
For >250 To 500, Deduct	-1.91	
For >500, Deduct	-2.30	
05 05 23 00-0403 EA 5/8" Diameter x 5-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	10.35	
For >100 To 250, Deduct	-1.56	
For >250 To 500, Deduct	-1.95	
For >500, Deduct	-2.34	
05 05 23 00-0404 EA 5/8" Diameter x 6" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	10.73	
For >100 To 250, Deduct	-1.56	
For >250 To 500, Deduct	-1.95	
For >500, Deduct	-2.34	
05 05 23 00-0405 EA 5/8" Diameter x 6-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	11.32	
For >100 To 250, Deduct	-1.56	
For >250 To 500, Deduct	-1.95	
For >500, Deduct	-2.34	
05 05 23 00-0406 EA 5/8" Diameter x 7" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	12.02	
For >100 To 250, Deduct	-1.59	
For >250 To 500, Deduct	-1.99	
For >500, Deduct	-2.39	
05 05 23 00-0407 EA 5/8" Diameter x 7-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	12.51	
For >100 To 250, Deduct	-1.59	
For >250 To 500, Deduct	-1.99	
For >500, Deduct	-2.39	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0408 EA 5/8" Diameter x 8" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	12.58	
<i>For >100 To 250, Deduct</i>	-1.59	
<i>For >250 To 500, Deduct</i>	-1.99	
<i>For >500, Deduct</i>	-2.39	
05 05 23 00-0409 EA 5/8" Diameter x 8-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	13.63	
<i>For >100 To 250, Deduct</i>	-1.63	
<i>For >250 To 500, Deduct</i>	-2.03	
<i>For >500, Deduct</i>	-2.44	
05 05 23 00-0410 EA 5/8" Diameter x 9" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	14.29	
<i>For >100 To 250, Deduct</i>	-1.63	
<i>For >250 To 500, Deduct</i>	-2.03	
<i>For >500, Deduct</i>	-2.44	
05 05 23 00-0411 EA 5/8" Diameter x 9-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	15.25	
<i>For >100 To 250, Deduct</i>	-1.63	
<i>For >250 To 500, Deduct</i>	-2.03	
<i>For >500, Deduct</i>	-2.44	
05 05 23 00-0412 EA 5/8" Diameter x 10" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	15.59	
<i>For >100 To 250, Deduct</i>	-1.63	
<i>For >250 To 500, Deduct</i>	-2.03	
<i>For >500, Deduct</i>	-2.44	
05 05 23 00-0413 3/4" Diameter, Zinc Plated Steel, Grade 5, Hex Head Bolts <small>(05 05 23 00-0285)</small>		
05 05 23 00-0414 EA 3/4" Diameter x 1" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	8.68	
<i>For >100 To 250, Deduct</i>	-1.46	
<i>For >250 To 500, Deduct</i>	-1.83	
<i>For >500, Deduct</i>	-2.20	
05 05 23 00-0415 EA 3/4" Diameter x 1-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	8.78	
<i>For >100 To 250, Deduct</i>	-1.46	
<i>For >250 To 500, Deduct</i>	-1.83	
<i>For >500, Deduct</i>	-2.20	
05 05 23 00-0416 EA 3/4" Diameter x 2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	8.84	
<i>For >100 To 250, Deduct</i>	-1.46	
<i>For >250 To 500, Deduct</i>	-1.83	
<i>For >500, Deduct</i>	-2.20	
05 05 23 00-0417 EA 3/4" Diameter x 2-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	9.20	
<i>For >100 To 250, Deduct</i>	-1.50	
<i>For >250 To 500, Deduct</i>	-1.87	
<i>For >500, Deduct</i>	-2.24	
05 05 23 00-0418 EA 3/4" Diameter x 3" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	9.45	
<i>For >100 To 250, Deduct</i>	-1.50	
<i>For >250 To 500, Deduct</i>	-1.87	
<i>For >500, Deduct</i>	-2.24	
05 05 23 00-0419 EA 3/4" Diameter x 3-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	9.83	
<i>For >100 To 250, Deduct</i>	-1.50	
<i>For >250 To 500, Deduct</i>	-1.87	
<i>For >500, Deduct</i>	-2.24	
05 05 23 00-0420 EA 3/4" Diameter x 4" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	10.25	
<i>For >100 To 250, Deduct</i>	-1.53	
<i>For >250 To 500, Deduct</i>	-1.91	
<i>For >500, Deduct</i>	-2.30	
05 05 23 00-0421 EA 3/4" Diameter x 4-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	10.49	
<i>For >100 To 250, Deduct</i>	-1.53	
<i>For >250 To 500, Deduct</i>	-1.91	
<i>For >500, Deduct</i>	-2.30	
05 05 23 00-0422 EA 3/4" Diameter x 5" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	11.00	
<i>For >100 To 250, Deduct</i>	-1.53	
<i>For >250 To 500, Deduct</i>	-1.91	
<i>For >500, Deduct</i>	-2.30	
05 05 23 00-0423 EA 3/4" Diameter x 5-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	11.39	
<i>For >100 To 250, Deduct</i>	-1.56	
<i>For >250 To 500, Deduct</i>	-1.95	
<i>For >500, Deduct</i>	-2.34	
05 05 23 00-0424 EA 3/4" Diameter x 6" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	11.81	
<i>For >100 To 250, Deduct</i>	-1.56	
<i>For >250 To 500, Deduct</i>	-1.95	
<i>For >500, Deduct</i>	-2.34	
05 05 23 00-0425 EA 3/4" Diameter x 6-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	12.33	
<i>For >100 To 250, Deduct</i>	-1.56	
<i>For >250 To 500, Deduct</i>	-1.95	
<i>For >500, Deduct</i>	-2.34	
05 05 23 00-0426 EA 3/4" Diameter x 7" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	13.21	
<i>For >100 To 250, Deduct</i>	-1.59	
<i>For >250 To 500, Deduct</i>	-1.99	
<i>For >500, Deduct</i>	-2.39	
05 05 23 00-0427 EA 3/4" Diameter x 7-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	13.75	
<i>For >100 To 250, Deduct</i>	-1.59	
<i>For >250 To 500, Deduct</i>	-1.99	
<i>For >500, Deduct</i>	-2.39	
05 05 23 00-0428 EA 3/4" Diameter x 8" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	14.05	
<i>For >100 To 250, Deduct</i>	-1.59	
<i>For >250 To 500, Deduct</i>	-1.99	
<i>For >500, Deduct</i>	-2.39	

05 Metals

05 05 Common Work Results For Metals

05 05 23 Metal Fastenings



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0429	EA		3/4" Diameter x 8-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	15.00	
			<i>For >100 To 250, Deduct</i>	-1.63	
			<i>For >250 To 500, Deduct</i>	-2.03	
			<i>For >500, Deduct</i>	-2.44	
05 05 23 00-0430	EA		3/4" Diameter x 9" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	15.27	
			<i>For >100 To 250, Deduct</i>	-1.63	
			<i>For >250 To 500, Deduct</i>	-2.03	
			<i>For >500, Deduct</i>	-2.44	
05 05 23 00-0431	EA		3/4" Diameter x 9-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	16.15	
			<i>For >100 To 250, Deduct</i>	-1.63	
			<i>For >250 To 500, Deduct</i>	-2.03	
			<i>For >500, Deduct</i>	-2.44	
05 05 23 00-0432	EA		3/4" Diameter x 10" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	16.37	
			<i>For >100 To 250, Deduct</i>	-1.63	
			<i>For >250 To 500, Deduct</i>	-2.03	
			<i>For >500, Deduct</i>	-2.44	
05 05 23 00-0433			7/8" Diameter, Zinc Plated Steel, Grade 5, Hex Head Bolts (05 05 23 00-0285)		
05 05 23 00-0434	EA		7/8" Diameter x 1" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	10.19	
			<i>For >100 To 250, Deduct</i>	-1.63	
			<i>For >250 To 500, Deduct</i>	-2.03	
			<i>For >500, Deduct</i>	-2.44	
05 05 23 00-0435	EA		7/8" Diameter x 1-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	10.31	
			<i>For >100 To 250, Deduct</i>	-1.63	
			<i>For >250 To 500, Deduct</i>	-2.03	
			<i>For >500, Deduct</i>	-2.44	
05 05 23 00-0436	EA		7/8" Diameter x 2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	10.48	
			<i>For >100 To 250, Deduct</i>	-1.63	
			<i>For >250 To 500, Deduct</i>	-2.03	
			<i>For >500, Deduct</i>	-2.44	
05 05 23 00-0437	EA		7/8" Diameter x 2-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	10.81	
			<i>For >100 To 250, Deduct</i>	-1.66	
			<i>For >250 To 500, Deduct</i>	-2.08	
			<i>For >500, Deduct</i>	-2.49	
05 05 23 00-0438	EA		7/8" Diameter x 3" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	11.31	
			<i>For >100 To 250, Deduct</i>	-1.66	
			<i>For >250 To 500, Deduct</i>	-2.08	
			<i>For >500, Deduct</i>	-2.49	
05 05 23 00-0439	EA		7/8" Diameter x 3-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	11.64	
			<i>For >100 To 250, Deduct</i>	-1.66	
			<i>For >250 To 500, Deduct</i>	-2.08	
			<i>For >500, Deduct</i>	-2.49	
05 05 23 00-0440	EA		7/8" Diameter x 4" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	12.04	
			<i>For >100 To 250, Deduct</i>	-1.69	
			<i>For >250 To 500, Deduct</i>	-2.12	
			<i>For >500, Deduct</i>	-2.54	
05 05 23 00-0441	EA		7/8" Diameter x 4-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	12.63	
			<i>For >100 To 250, Deduct</i>	-1.69	
			<i>For >250 To 500, Deduct</i>	-2.12	
			<i>For >500, Deduct</i>	-2.54	
05 05 23 00-0442	EA		7/8" Diameter x 5" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	13.07	
			<i>For >100 To 250, Deduct</i>	-1.69	
			<i>For >250 To 500, Deduct</i>	-2.12	
			<i>For >500, Deduct</i>	-2.54	
05 05 23 00-0443	EA		7/8" Diameter x 5-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	13.45	
			<i>For >100 To 250, Deduct</i>	-1.73	
			<i>For >250 To 500, Deduct</i>	-2.16	
			<i>For >500, Deduct</i>	-2.59	
05 05 23 00-0444	EA		7/8" Diameter x 6" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	13.82	
			<i>For >100 To 250, Deduct</i>	-1.73	
			<i>For >250 To 500, Deduct</i>	-2.16	
			<i>For >500, Deduct</i>	-2.59	
05 05 23 00-0445	EA		7/8" Diameter x 6-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	15.39	
			<i>For >100 To 250, Deduct</i>	-1.73	
			<i>For >250 To 500, Deduct</i>	-2.16	
			<i>For >500, Deduct</i>	-2.59	
05 05 23 00-0446	EA		7/8" Diameter x 7" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	16.12	
			<i>For >100 To 250, Deduct</i>	-1.76	
			<i>For >250 To 500, Deduct</i>	-2.20	
			<i>For >500, Deduct</i>	-2.64	
05 05 23 00-0447	EA		7/8" Diameter x 7-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	16.81	
			<i>For >100 To 250, Deduct</i>	-1.76	
			<i>For >250 To 500, Deduct</i>	-2.20	
			<i>For >500, Deduct</i>	-2.64	
05 05 23 00-0448	EA		7/8" Diameter x 8" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	16.85	
			<i>For >100 To 250, Deduct</i>	-1.76	
			<i>For >250 To 500, Deduct</i>	-2.20	
			<i>For >500, Deduct</i>	-2.64	
05 05 23 00-0449	EA		7/8" Diameter x 8-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	18.01	
			<i>For >100 To 250, Deduct</i>	-1.79	
			<i>For >250 To 500, Deduct</i>	-2.24	
			<i>For >500, Deduct</i>	-2.69	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0450 EA 7/8" Diameter x 9" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	18.69	
<i>For >100 To 250, Deduct</i>	-1.79	
<i>For >250 To 500, Deduct</i>	-2.24	
<i>For >500, Deduct</i>	-2.69	
05 05 23 00-0451 EA 7/8" Diameter x 9-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	19.26	
<i>For >100 To 250, Deduct</i>	-1.79	
<i>For >250 To 500, Deduct</i>	-2.24	
<i>For >500, Deduct</i>	-2.69	
05 05 23 00-0452 EA 7/8" Diameter x 10" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	19.84	
<i>For >100 To 250, Deduct</i>	-1.79	
<i>For >250 To 500, Deduct</i>	-2.24	
<i>For >500, Deduct</i>	-2.69	
05 05 23 00-0453 1" Diameter, Zinc Plated Steel, Grade 5, Hex Head Bolts <small>(05 05 23 00-0285)</small>		
05 05 23 00-0454 EA 1" Diameter x 1-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	11.29	
<i>For >100 To 250, Deduct</i>	-1.63	
<i>For >250 To 500, Deduct</i>	-2.03	
<i>For >500, Deduct</i>	-2.44	
05 05 23 00-0455 EA 1" Diameter x 2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	11.33	
<i>For >100 To 250, Deduct</i>	-1.63	
<i>For >250 To 500, Deduct</i>	-2.03	
<i>For >500, Deduct</i>	-2.44	
05 05 23 00-0456 EA 1" Diameter x 2-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	11.87	
<i>For >100 To 250, Deduct</i>	-1.66	
<i>For >250 To 500, Deduct</i>	-2.08	
<i>For >500, Deduct</i>	-2.49	
05 05 23 00-0457 EA 1" Diameter x 3" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	12.35	
<i>For >100 To 250, Deduct</i>	-1.66	
<i>For >250 To 500, Deduct</i>	-2.08	
<i>For >500, Deduct</i>	-2.49	
05 05 23 00-0458 EA 1" Diameter x 3-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	12.70	
<i>For >100 To 250, Deduct</i>	-1.66	
<i>For >250 To 500, Deduct</i>	-2.08	
<i>For >500, Deduct</i>	-2.49	
05 05 23 00-0459 EA 1" Diameter x 4" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	13.31	
<i>For >100 To 250, Deduct</i>	-1.69	
<i>For >250 To 500, Deduct</i>	-2.12	
<i>For >500, Deduct</i>	-2.54	
05 05 23 00-0460 EA 1" Diameter x 4-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	13.88	
<i>For >100 To 250, Deduct</i>	-1.69	
<i>For >250 To 500, Deduct</i>	-2.12	
<i>For >500, Deduct</i>	-2.54	
05 05 23 00-0461 EA 1" Diameter x 5" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	14.69	
<i>For >100 To 250, Deduct</i>	-1.69	
<i>For >250 To 500, Deduct</i>	-2.12	
<i>For >500, Deduct</i>	-2.54	
05 05 23 00-0462 EA 1" Diameter x 5-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	15.45	
<i>For >100 To 250, Deduct</i>	-1.73	
<i>For >250 To 500, Deduct</i>	-2.16	
<i>For >500, Deduct</i>	-2.59	
05 05 23 00-0463 EA 1" Diameter x 6" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	15.62	
<i>For >100 To 250, Deduct</i>	-1.73	
<i>For >250 To 500, Deduct</i>	-2.16	
<i>For >500, Deduct</i>	-2.59	
05 05 23 00-0464 EA 1" Diameter x 6-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	16.76	
<i>For >100 To 250, Deduct</i>	-1.73	
<i>For >250 To 500, Deduct</i>	-2.16	
<i>For >500, Deduct</i>	-2.59	
05 05 23 00-0465 EA 1" Diameter x 7" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	17.65	
<i>For >100 To 250, Deduct</i>	-1.76	
<i>For >250 To 500, Deduct</i>	-2.20	
<i>For >500, Deduct</i>	-2.64	
05 05 23 00-0466 EA 1" Diameter x 7-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	18.87	
<i>For >100 To 250, Deduct</i>	-1.76	
<i>For >250 To 500, Deduct</i>	-2.20	
<i>For >500, Deduct</i>	-2.64	
05 05 23 00-0467 EA 1" Diameter x 8" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	19.21	
<i>For >100 To 250, Deduct</i>	-1.76	
<i>For >250 To 500, Deduct</i>	-2.20	
<i>For >500, Deduct</i>	-2.64	
05 05 23 00-0468 EA 1" Diameter x 8-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	23.27	
<i>For >100 To 250, Deduct</i>	-1.79	
<i>For >250 To 500, Deduct</i>	-2.24	
<i>For >500, Deduct</i>	-2.69	
05 05 23 00-0469 EA 1" Diameter x 9" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	23.57	
<i>For >100 To 250, Deduct</i>	-1.79	
<i>For >250 To 500, Deduct</i>	-2.24	
<i>For >500, Deduct</i>	-2.69	
05 05 23 00-0470 EA 1" Diameter x 9-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	24.41	
<i>For >100 To 250, Deduct</i>	-1.79	
<i>For >250 To 500, Deduct</i>	-2.24	
<i>For >500, Deduct</i>	-2.69	

05 Metals**05 05 Common Work Results For Metals****05 05 23 Metal Fastenings**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0471 EA 1" Diameter x 10" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	24.98	
For >100 To 250, Deduct	-1.79	
For >250 To 500, Deduct	-2.24	
For >500, Deduct	-2.69	
05 05 23 00-0472 Zinc Plated Steel, Grade 8, Hex Head Bolts (05 05 23 00-0097)		
05 05 23 00-0473 1/4" Diameter, Zinc Plated Steel, Grade 8, Hex Head Bolts (05 05 23 00-0472)		
05 05 23 00-0474 EA 1/4" Diameter x 1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	5.80	
For >100 To 250, Deduct	-1.14	
For >250 To 500, Deduct	-1.42	
For >500, Deduct	-1.71	
05 05 23 00-0475 EA 1/4" Diameter x 1" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	5.86	
For >100 To 250, Deduct	-1.14	
For >250 To 500, Deduct	-1.42	
For >500, Deduct	-1.71	
05 05 23 00-0476 EA 1/4" Diameter x 1-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	5.89	
For >100 To 250, Deduct	-1.14	
For >250 To 500, Deduct	-1.42	
For >500, Deduct	-1.71	
05 05 23 00-0477 EA 1/4" Diameter x 2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	5.95	
For >100 To 250, Deduct	-1.14	
For >250 To 500, Deduct	-1.42	
For >500, Deduct	-1.71	
05 05 23 00-0478 EA 1/4" Diameter x 2-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	6.16	
For >100 To 250, Deduct	-1.17	
For >250 To 500, Deduct	-1.47	
For >500, Deduct	-1.76	
05 05 23 00-0479 EA 1/4" Diameter x 3" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	6.23	
For >100 To 250, Deduct	-1.17	
For >250 To 500, Deduct	-1.47	
For >500, Deduct	-1.76	
05 05 23 00-0480 EA 1/4" Diameter x 3-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	6.29	
For >100 To 250, Deduct	-1.17	
For >250 To 500, Deduct	-1.47	
For >500, Deduct	-1.76	
05 05 23 00-0481 EA 1/4" Diameter x 4" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	6.46	
For >100 To 250, Deduct	-1.20	
For >250 To 500, Deduct	-1.51	
For >500, Deduct	-1.81	
05 05 23 00-0482 EA 1/4" Diameter x 4-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	6.65	
For >100 To 250, Deduct	-1.20	
For >250 To 500, Deduct	-1.51	
For >500, Deduct	-1.81	
05 05 23 00-0483 EA 1/4" Diameter x 5" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	6.82	
For >100 To 250, Deduct	-1.20	
For >250 To 500, Deduct	-1.51	
For >500, Deduct	-1.81	
05 05 23 00-0484 EA 1/4" Diameter x 5-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	7.07	
For >100 To 250, Deduct	-1.24	
For >250 To 500, Deduct	-1.55	
For >500, Deduct	-1.85	
05 05 23 00-0485 EA 1/4" Diameter x 6" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	7.17	
For >100 To 250, Deduct	-1.24	
For >250 To 500, Deduct	-1.55	
For >500, Deduct	-1.85	
05 05 23 00-0486 EA 1/4" Diameter x 6-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	7.29	
For >100 To 250, Deduct	-1.24	
For >250 To 500, Deduct	-1.55	
For >500, Deduct	-1.85	
05 05 23 00-0487 EA 1/4" Diameter x 7" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	7.54	
For >100 To 250, Deduct	-1.27	
For >250 To 500, Deduct	-1.59	
For >500, Deduct	-1.91	
05 05 23 00-0488 EA 1/4" Diameter x 7-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	7.77	
For >100 To 250, Deduct	-1.27	
For >250 To 500, Deduct	-1.59	
For >500, Deduct	-1.91	
05 05 23 00-0489 EA 1/4" Diameter x 8" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	7.88	
For >100 To 250, Deduct	-1.27	
For >250 To 500, Deduct	-1.59	
For >500, Deduct	-1.91	
05 05 23 00-0490 5/16" Diameter, Zinc Plated Steel, Grade 8, Hex Head Bolts (05 05 23 00-0472)		
05 05 23 00-0491 EA 5/16" Diameter x 1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	5.85	
For >100 To 250, Deduct	-1.14	
For >250 To 500, Deduct	-1.42	
For >500, Deduct	-1.71	
05 05 23 00-0492 EA 5/16" Diameter x 1" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	5.88	
For >100 To 250, Deduct	-1.14	
For >250 To 500, Deduct	-1.42	
For >500, Deduct	-1.71	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0493 EA 5/16" Diameter x 1-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	6.00	
<i>For >100 To 250, Deduct</i>	-1.14	
<i>For >250 To 500, Deduct</i>	-1.42	
<i>For >500, Deduct</i>	-1.71	
05 05 23 00-0494 EA 5/16" Diameter x 2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	6.02	
<i>For >100 To 250, Deduct</i>	-1.14	
<i>For >250 To 500, Deduct</i>	-1.42	
<i>For >500, Deduct</i>	-1.71	
05 05 23 00-0495 EA 5/16" Diameter x 2-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	6.25	
<i>For >100 To 250, Deduct</i>	-1.17	
<i>For >250 To 500, Deduct</i>	-1.47	
<i>For >500, Deduct</i>	-1.76	
05 05 23 00-0496 EA 5/16" Diameter x 3" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	6.42	
<i>For >100 To 250, Deduct</i>	-1.17	
<i>For >250 To 500, Deduct</i>	-1.47	
<i>For >500, Deduct</i>	-1.76	
05 05 23 00-0497 EA 5/16" Diameter x 3-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	6.47	
<i>For >100 To 250, Deduct</i>	-1.17	
<i>For >250 To 500, Deduct</i>	-1.47	
<i>For >500, Deduct</i>	-1.76	
05 05 23 00-0498 EA 5/16" Diameter x 4" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	6.72	
<i>For >100 To 250, Deduct</i>	-1.20	
<i>For >250 To 500, Deduct</i>	-1.51	
<i>For >500, Deduct</i>	-1.81	
05 05 23 00-0499 EA 5/16" Diameter x 4-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	6.83	
<i>For >100 To 250, Deduct</i>	-1.20	
<i>For >250 To 500, Deduct</i>	-1.51	
<i>For >500, Deduct</i>	-1.81	
05 05 23 00-0500 EA 5/16" Diameter x 5" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	7.07	
<i>For >100 To 250, Deduct</i>	-1.20	
<i>For >250 To 500, Deduct</i>	-1.51	
<i>For >500, Deduct</i>	-1.81	
05 05 23 00-0501 EA 5/16" Diameter x 5-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	7.37	
<i>For >100 To 250, Deduct</i>	-1.24	
<i>For >250 To 500, Deduct</i>	-1.55	
<i>For >500, Deduct</i>	-1.85	
05 05 23 00-0502 EA 5/16" Diameter x 6" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	7.46	
<i>For >100 To 250, Deduct</i>	-1.24	
<i>For >250 To 500, Deduct</i>	-1.55	
<i>For >500, Deduct</i>	-1.85	
05 05 23 00-0503 EA 5/16" Diameter x 6-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	7.60	
<i>For >100 To 250, Deduct</i>	-1.24	
<i>For >250 To 500, Deduct</i>	-1.55	
<i>For >500, Deduct</i>	-1.85	
05 05 23 00-0504 EA 5/16" Diameter x 7" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	7.87	
<i>For >100 To 250, Deduct</i>	-1.27	
<i>For >250 To 500, Deduct</i>	-1.59	
<i>For >500, Deduct</i>	-1.91	
05 05 23 00-0505 EA 5/16" Diameter x 7-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	7.98	
<i>For >100 To 250, Deduct</i>	-1.27	
<i>For >250 To 500, Deduct</i>	-1.59	
<i>For >500, Deduct</i>	-1.91	
05 05 23 00-0506 EA 5/16" Diameter x 8" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	8.18	
<i>For >100 To 250, Deduct</i>	-1.27	
<i>For >250 To 500, Deduct</i>	-1.59	
<i>For >500, Deduct</i>	-1.91	
05 05 23 00-0507 3/8" Diameter, Zinc Plated Steel, Grade 8, Hex Head Bolts <small>(05 05 23 00-0472)</small>		
05 05 23 00-0508 EA 3/8" Diameter x 1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	5.97	
<i>For >100 To 250, Deduct</i>	-1.14	
<i>For >250 To 500, Deduct</i>	-1.42	
<i>For >500, Deduct</i>	-1.71	
05 05 23 00-0509 EA 3/8" Diameter x 1" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	5.98	
<i>For >100 To 250, Deduct</i>	-1.14	
<i>For >250 To 500, Deduct</i>	-1.42	
<i>For >500, Deduct</i>	-1.71	
05 05 23 00-0510 EA 3/8" Diameter x 1-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	5.99	
<i>For >100 To 250, Deduct</i>	-1.14	
<i>For >250 To 500, Deduct</i>	-1.42	
<i>For >500, Deduct</i>	-1.71	
05 05 23 00-0511 EA 3/8" Diameter x 2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	6.12	
<i>For >100 To 250, Deduct</i>	-1.14	
<i>For >250 To 500, Deduct</i>	-1.42	
<i>For >500, Deduct</i>	-1.71	
05 05 23 00-0512 EA 3/8" Diameter x 2-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	6.37	
<i>For >100 To 250, Deduct</i>	-1.17	
<i>For >250 To 500, Deduct</i>	-1.47	
<i>For >500, Deduct</i>	-1.76	
05 05 23 00-0513 EA 3/8" Diameter x 3" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	6.50	
<i>For >100 To 250, Deduct</i>	-1.17	
<i>For >250 To 500, Deduct</i>	-1.47	
<i>For >500, Deduct</i>	-1.76	

05 Metals**05 05 Common Work Results For Metals****05 05 23 Metal Fastenings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0514	EA		3/8" Diameter x 3-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	6.62	
			<i>For >100 To 250, Deduct</i>	-1.17	
			<i>For >250 To 500, Deduct</i>	-1.47	
			<i>For >500, Deduct</i>	-1.76	
05 05 23 00-0515	EA		3/8" Diameter x 4" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	7.15	
			<i>For >100 To 250, Deduct</i>	-1.20	
			<i>For >250 To 500, Deduct</i>	-1.51	
			<i>For >500, Deduct</i>	-1.81	
05 05 23 00-0516	EA		3/8" Diameter x 4-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	7.30	
			<i>For >100 To 250, Deduct</i>	-1.20	
			<i>For >250 To 500, Deduct</i>	-1.51	
			<i>For >500, Deduct</i>	-1.81	
05 05 23 00-0517	EA		3/8" Diameter x 5" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	7.33	
			<i>For >100 To 250, Deduct</i>	-1.20	
			<i>For >250 To 500, Deduct</i>	-1.51	
			<i>For >500, Deduct</i>	-1.81	
05 05 23 00-0518	EA		3/8" Diameter x 5-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	7.55	
			<i>For >100 To 250, Deduct</i>	-1.24	
			<i>For >250 To 500, Deduct</i>	-1.55	
			<i>For >500, Deduct</i>	-1.85	
05 05 23 00-0519	EA		3/8" Diameter x 6" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	7.72	
			<i>For >100 To 250, Deduct</i>	-1.24	
			<i>For >250 To 500, Deduct</i>	-1.55	
			<i>For >500, Deduct</i>	-1.85	
05 05 23 00-0520	EA		3/8" Diameter x 6-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	8.45	
			<i>For >100 To 250, Deduct</i>	-1.24	
			<i>For >250 To 500, Deduct</i>	-1.55	
			<i>For >500, Deduct</i>	-1.85	
05 05 23 00-0521	EA		3/8" Diameter x 7" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	8.79	
			<i>For >100 To 250, Deduct</i>	-1.27	
			<i>For >250 To 500, Deduct</i>	-1.59	
			<i>For >500, Deduct</i>	-1.91	
05 05 23 00-0522	EA		3/8" Diameter x 7-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	9.13	
			<i>For >100 To 250, Deduct</i>	-1.27	
			<i>For >250 To 500, Deduct</i>	-1.59	
			<i>For >500, Deduct</i>	-1.91	
05 05 23 00-0523	EA		3/8" Diameter x 8" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	9.90	
			<i>For >100 To 250, Deduct</i>	-1.27	
			<i>For >250 To 500, Deduct</i>	-1.59	
			<i>For >500, Deduct</i>	-1.91	
05 05 23 00-0524			7/16" Diameter, Zinc Plated Steel, Grade 8, Hex Head Bolts <small>(05 05 23 00-0472)</small>		
05 05 23 00-0525	EA		7/16" Diameter x 1" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	6.92	
			<i>For >100 To 250, Deduct</i>	-1.30	
			<i>For >250 To 500, Deduct</i>	-1.63	
			<i>For >500, Deduct</i>	-1.95	
05 05 23 00-0526	EA		7/16" Diameter x 1-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	6.94	
			<i>For >100 To 250, Deduct</i>	-1.30	
			<i>For >250 To 500, Deduct</i>	-1.63	
			<i>For >500, Deduct</i>	-1.95	
05 05 23 00-0527	EA		7/16" Diameter x 2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	7.14	
			<i>For >100 To 250, Deduct</i>	-1.30	
			<i>For >250 To 500, Deduct</i>	-1.63	
			<i>For >500, Deduct</i>	-1.95	
05 05 23 00-0528	EA		7/16" Diameter x 2-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	7.32	
			<i>For >100 To 250, Deduct</i>	-1.33	
			<i>For >250 To 500, Deduct</i>	-1.67	
			<i>For >500, Deduct</i>	-2.00	
05 05 23 00-0529	EA		7/16" Diameter x 3" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	7.55	
			<i>For >100 To 250, Deduct</i>	-1.33	
			<i>For >250 To 500, Deduct</i>	-1.67	
			<i>For >500, Deduct</i>	-2.00	
05 05 23 00-0530	EA		7/16" Diameter x 3-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	7.68	
			<i>For >100 To 250, Deduct</i>	-1.33	
			<i>For >250 To 500, Deduct</i>	-1.67	
			<i>For >500, Deduct</i>	-2.00	
05 05 23 00-0531	EA		7/16" Diameter x 4" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	7.88	
			<i>For >100 To 250, Deduct</i>	-1.37	
			<i>For >250 To 500, Deduct</i>	-1.71	
			<i>For >500, Deduct</i>	-2.05	
05 05 23 00-0532	EA		7/16" Diameter x 4-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	8.39	
			<i>For >100 To 250, Deduct</i>	-1.37	
			<i>For >250 To 500, Deduct</i>	-1.71	
			<i>For >500, Deduct</i>	-2.05	
05 05 23 00-0533	EA		7/16" Diameter x 5" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	8.80	
			<i>For >100 To 250, Deduct</i>	-1.37	
			<i>For >250 To 500, Deduct</i>	-1.71	
			<i>For >500, Deduct</i>	-2.05	
05 05 23 00-0534	EA		7/16" Diameter x 5-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	9.23	
			<i>For >100 To 250, Deduct</i>	-1.40	
			<i>For >250 To 500, Deduct</i>	-1.75	
			<i>For >500, Deduct</i>	-2.10	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0535 EA 7/16" Diameter x 6" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	9.37	
<i>For >100 To 250, Deduct</i>	-1.40	
<i>For >250 To 500, Deduct</i>	-1.75	
<i>For >500, Deduct</i>	-2.10	
05 05 23 00-0536 EA 7/16" Diameter x 6-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	9.58	
<i>For >100 To 250, Deduct</i>	-1.40	
<i>For >250 To 500, Deduct</i>	-1.75	
<i>For >500, Deduct</i>	-2.10	
05 05 23 00-0537 EA 7/16" Diameter x 7" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	10.06	
<i>For >100 To 250, Deduct</i>	-1.43	
<i>For >250 To 500, Deduct</i>	-1.79	
<i>For >500, Deduct</i>	-2.15	
05 05 23 00-0538 EA 7/16" Diameter x 7-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	10.74	
<i>For >100 To 250, Deduct</i>	-1.43	
<i>For >250 To 500, Deduct</i>	-1.79	
<i>For >500, Deduct</i>	-2.15	
05 05 23 00-0539 EA 7/16" Diameter x 8" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	10.79	
<i>For >100 To 250, Deduct</i>	-1.43	
<i>For >250 To 500, Deduct</i>	-1.79	
<i>For >500, Deduct</i>	-2.15	
05 05 23 00-0540 1/2" Diameter, Zinc Plated Steel, Grade 8, Hex Head Bolts (05 05 23 00-0472)		
05 05 23 00-0541 EA 1/2" Diameter x 1" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	7.05	
<i>For >100 To 250, Deduct</i>	-1.30	
<i>For >250 To 500, Deduct</i>	-1.63	
<i>For >500, Deduct</i>	-1.95	
05 05 23 00-0542 EA 1/2" Diameter x 1-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	7.20	
<i>For >100 To 250, Deduct</i>	-1.30	
<i>For >250 To 500, Deduct</i>	-1.63	
<i>For >500, Deduct</i>	-1.95	
05 05 23 00-0543 EA 1/2" Diameter x 2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	7.30	
<i>For >100 To 250, Deduct</i>	-1.30	
<i>For >250 To 500, Deduct</i>	-1.63	
<i>For >500, Deduct</i>	-1.95	
05 05 23 00-0544 EA 1/2" Diameter x 2-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	7.55	
<i>For >100 To 250, Deduct</i>	-1.33	
<i>For >250 To 500, Deduct</i>	-1.67	
<i>For >500, Deduct</i>	-2.00	
05 05 23 00-0545 EA 1/2" Diameter x 3" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	7.72	
<i>For >100 To 250, Deduct</i>	-1.33	
<i>For >250 To 500, Deduct</i>	-1.67	
<i>For >500, Deduct</i>	-2.00	
05 05 23 00-0546 EA 1/2" Diameter x 3-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	8.09	
<i>For >100 To 250, Deduct</i>	-1.33	
<i>For >250 To 500, Deduct</i>	-1.67	
<i>For >500, Deduct</i>	-2.00	
05 05 23 00-0547 EA 1/2" Diameter x 4" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	8.53	
<i>For >100 To 250, Deduct</i>	-1.37	
<i>For >250 To 500, Deduct</i>	-1.71	
<i>For >500, Deduct</i>	-2.05	
05 05 23 00-0548 EA 1/2" Diameter x 4-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	8.74	
<i>For >100 To 250, Deduct</i>	-1.37	
<i>For >250 To 500, Deduct</i>	-1.71	
<i>For >500, Deduct</i>	-2.05	
05 05 23 00-0549 EA 1/2" Diameter x 5" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	8.90	
<i>For >100 To 250, Deduct</i>	-1.37	
<i>For >250 To 500, Deduct</i>	-1.71	
<i>For >500, Deduct</i>	-2.05	
05 05 23 00-0550 EA 1/2" Diameter x 5-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	9.33	
<i>For >100 To 250, Deduct</i>	-1.40	
<i>For >250 To 500, Deduct</i>	-1.75	
<i>For >500, Deduct</i>	-2.10	
05 05 23 00-0551 EA 1/2" Diameter x 6" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	9.80	
<i>For >100 To 250, Deduct</i>	-1.40	
<i>For >250 To 500, Deduct</i>	-1.75	
<i>For >500, Deduct</i>	-2.10	
05 05 23 00-0552 EA 1/2" Diameter x 6-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	10.24	
<i>For >100 To 250, Deduct</i>	-1.40	
<i>For >250 To 500, Deduct</i>	-1.75	
<i>For >500, Deduct</i>	-2.10	
05 05 23 00-0553 EA 1/2" Diameter x 7" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	10.78	
<i>For >100 To 250, Deduct</i>	-1.43	
<i>For >250 To 500, Deduct</i>	-1.79	
<i>For >500, Deduct</i>	-2.15	
05 05 23 00-0554 EA 1/2" Diameter x 7-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	10.97	
<i>For >100 To 250, Deduct</i>	-1.43	
<i>For >250 To 500, Deduct</i>	-1.79	
<i>For >500, Deduct</i>	-2.15	
05 05 23 00-0555 EA 1/2" Diameter x 8" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	11.51	
<i>For >100 To 250, Deduct</i>	-1.43	
<i>For >250 To 500, Deduct</i>	-1.79	
<i>For >500, Deduct</i>	-2.15	

05 Metals**05 05 Common Work Results For Metals****05 05 23 Metal Fastenings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0556	EA		1/2" Diameter x 8-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	12.57	
			<i>For >100 To 250, Deduct</i>	-1.46	
			<i>For >250 To 500, Deduct</i>	-1.83	
			<i>For >500, Deduct</i>	-2.20	
05 05 23 00-0557	EA		1/2" Diameter x 9" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	12.96	
			<i>For >100 To 250, Deduct</i>	-1.46	
			<i>For >250 To 500, Deduct</i>	-1.83	
			<i>For >500, Deduct</i>	-2.20	
05 05 23 00-0558	EA		1/2" Diameter x 9-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	13.16	
			<i>For >100 To 250, Deduct</i>	-1.46	
			<i>For >250 To 500, Deduct</i>	-1.83	
			<i>For >500, Deduct</i>	-2.20	
05 05 23 00-0559	EA		1/2" Diameter x 10" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	14.13	
			<i>For >100 To 250, Deduct</i>	-1.46	
			<i>For >250 To 500, Deduct</i>	-1.83	
			<i>For >500, Deduct</i>	-2.20	
05 05 23 00-0560			9/16" Diameter, Zinc Plated Steel, Grade 8, Hex Head Bolts (05 05 23 00-0472)		
05 05 23 00-0561	EA		9/16" Diameter x 1" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	7.19	
			<i>For >100 To 250, Deduct</i>	-1.30	
			<i>For >250 To 500, Deduct</i>	-1.63	
			<i>For >500, Deduct</i>	-1.95	
05 05 23 00-0562	EA		9/16" Diameter x 1-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	7.28	
			<i>For >100 To 250, Deduct</i>	-1.30	
			<i>For >250 To 500, Deduct</i>	-1.63	
			<i>For >500, Deduct</i>	-1.95	
05 05 23 00-0563	EA		9/16" Diameter x 2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	7.49	
			<i>For >100 To 250, Deduct</i>	-1.30	
			<i>For >250 To 500, Deduct</i>	-1.63	
			<i>For >500, Deduct</i>	-1.95	
05 05 23 00-0564	EA		9/16" Diameter x 2-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	7.96	
			<i>For >100 To 250, Deduct</i>	-1.33	
			<i>For >250 To 500, Deduct</i>	-1.67	
			<i>For >500, Deduct</i>	-2.00	
05 05 23 00-0565	EA		9/16" Diameter x 3" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	8.03	
			<i>For >100 To 250, Deduct</i>	-1.33	
			<i>For >250 To 500, Deduct</i>	-1.67	
			<i>For >500, Deduct</i>	-2.00	
05 05 23 00-0566	EA		9/16" Diameter x 3-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	8.34	
			<i>For >100 To 250, Deduct</i>	-1.33	
			<i>For >250 To 500, Deduct</i>	-1.67	
			<i>For >500, Deduct</i>	-2.00	
05 05 23 00-0567	EA		9/16" Diameter x 4" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	8.72	
			<i>For >100 To 250, Deduct</i>	-1.37	
			<i>For >250 To 500, Deduct</i>	-1.71	
			<i>For >500, Deduct</i>	-2.05	
05 05 23 00-0568	EA		9/16" Diameter x 4-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	9.72	
			<i>For >100 To 250, Deduct</i>	-1.37	
			<i>For >250 To 500, Deduct</i>	-1.71	
			<i>For >500, Deduct</i>	-2.05	
05 05 23 00-0569	EA		9/16" Diameter x 5" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	9.92	
			<i>For >100 To 250, Deduct</i>	-1.37	
			<i>For >250 To 500, Deduct</i>	-1.71	
			<i>For >500, Deduct</i>	-2.05	
05 05 23 00-0570	EA		9/16" Diameter x 5-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	10.23	
			<i>For >100 To 250, Deduct</i>	-1.40	
			<i>For >250 To 500, Deduct</i>	-1.75	
			<i>For >500, Deduct</i>	-2.10	
05 05 23 00-0571	EA		9/16" Diameter x 6" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	10.67	
			<i>For >100 To 250, Deduct</i>	-1.40	
			<i>For >250 To 500, Deduct</i>	-1.75	
			<i>For >500, Deduct</i>	-2.10	
05 05 23 00-0572	EA		9/16" Diameter x 6-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	12.31	
			<i>For >100 To 250, Deduct</i>	-1.40	
			<i>For >250 To 500, Deduct</i>	-1.75	
			<i>For >500, Deduct</i>	-2.10	
05 05 23 00-0573	EA		9/16" Diameter x 7" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	14.40	
			<i>For >100 To 250, Deduct</i>	-1.43	
			<i>For >250 To 500, Deduct</i>	-1.79	
			<i>For >500, Deduct</i>	-2.15	
05 05 23 00-0574	EA		9/16" Diameter x 7-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	16.78	
			<i>For >100 To 250, Deduct</i>	-1.43	
			<i>For >250 To 500, Deduct</i>	-1.79	
			<i>For >500, Deduct</i>	-2.15	
05 05 23 00-0575	EA		9/16" Diameter x 8" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	19.36	
			<i>For >100 To 250, Deduct</i>	-1.43	
			<i>For >250 To 500, Deduct</i>	-1.79	
			<i>For >500, Deduct</i>	-2.15	
05 05 23 00-0576			5/8" Diameter, Zinc Plated Steel, Grade 8, Hex Head Bolts (05 05 23 00-0472)		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0577 EA 5/8" Diameter x 1" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	8.32	
<i>For >100 To 250, Deduct</i>	-1.46	
<i>For >250 To 500, Deduct</i>	-1.83	
<i>For >500, Deduct</i>	-2.20	
05 05 23 00-0578 EA 5/8" Diameter x 1-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	8.42	
<i>For >100 To 250, Deduct</i>	-1.46	
<i>For >250 To 500, Deduct</i>	-1.83	
<i>For >500, Deduct</i>	-2.20	
05 05 23 00-0579 EA 5/8" Diameter x 2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	8.65	
<i>For >100 To 250, Deduct</i>	-1.46	
<i>For >250 To 500, Deduct</i>	-1.83	
<i>For >500, Deduct</i>	-2.20	
05 05 23 00-0580 EA 5/8" Diameter x 2-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	9.14	
<i>For >100 To 250, Deduct</i>	-1.50	
<i>For >250 To 500, Deduct</i>	-1.87	
<i>For >500, Deduct</i>	-2.24	
05 05 23 00-0581 EA 5/8" Diameter x 3" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	9.42	
<i>For >100 To 250, Deduct</i>	-1.50	
<i>For >250 To 500, Deduct</i>	-1.87	
<i>For >500, Deduct</i>	-2.24	
05 05 23 00-0582 EA 5/8" Diameter x 3-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	9.57	
<i>For >100 To 250, Deduct</i>	-1.50	
<i>For >250 To 500, Deduct</i>	-1.87	
<i>For >500, Deduct</i>	-2.24	
05 05 23 00-0583 EA 5/8" Diameter x 4" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	9.85	
<i>For >100 To 250, Deduct</i>	-1.53	
<i>For >250 To 500, Deduct</i>	-1.91	
<i>For >500, Deduct</i>	-2.30	
05 05 23 00-0584 EA 5/8" Diameter x 4-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	10.34	
<i>For >100 To 250, Deduct</i>	-1.53	
<i>For >250 To 500, Deduct</i>	-1.91	
<i>For >500, Deduct</i>	-2.30	
05 05 23 00-0585 EA 5/8" Diameter x 5" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	10.56	
<i>For >100 To 250, Deduct</i>	-1.53	
<i>For >250 To 500, Deduct</i>	-1.91	
<i>For >500, Deduct</i>	-2.30	
05 05 23 00-0586 EA 5/8" Diameter x 5-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	10.95	
<i>For >100 To 250, Deduct</i>	-1.56	
<i>For >250 To 500, Deduct</i>	-1.95	
<i>For >500, Deduct</i>	-2.34	
05 05 23 00-0587 EA 5/8" Diameter x 6" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	11.19	
<i>For >100 To 250, Deduct</i>	-1.56	
<i>For >250 To 500, Deduct</i>	-1.95	
<i>For >500, Deduct</i>	-2.34	
05 05 23 00-0588 EA 5/8" Diameter x 6-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	11.67	
<i>For >100 To 250, Deduct</i>	-1.56	
<i>For >250 To 500, Deduct</i>	-1.95	
<i>For >500, Deduct</i>	-2.34	
05 05 23 00-0589 EA 5/8" Diameter x 7" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	12.99	
<i>For >100 To 250, Deduct</i>	-1.59	
<i>For >250 To 500, Deduct</i>	-1.99	
<i>For >500, Deduct</i>	-2.39	
05 05 23 00-0590 EA 5/8" Diameter x 7-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	13.54	
<i>For >100 To 250, Deduct</i>	-1.59	
<i>For >250 To 500, Deduct</i>	-1.99	
<i>For >500, Deduct</i>	-2.39	
05 05 23 00-0591 EA 5/8" Diameter x 8" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	13.77	
<i>For >100 To 250, Deduct</i>	-1.59	
<i>For >250 To 500, Deduct</i>	-1.99	
<i>For >500, Deduct</i>	-2.39	
05 05 23 00-0592 EA 5/8" Diameter x 8-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	14.92	
<i>For >100 To 250, Deduct</i>	-1.63	
<i>For >250 To 500, Deduct</i>	-2.03	
<i>For >500, Deduct</i>	-2.44	
05 05 23 00-0593 EA 5/8" Diameter x 9" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	16.01	
<i>For >100 To 250, Deduct</i>	-1.63	
<i>For >250 To 500, Deduct</i>	-2.03	
<i>For >500, Deduct</i>	-2.44	
05 05 23 00-0594 EA 5/8" Diameter x 9-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	16.09	
<i>For >100 To 250, Deduct</i>	-1.63	
<i>For >250 To 500, Deduct</i>	-2.03	
<i>For >500, Deduct</i>	-2.44	
05 05 23 00-0595 EA 5/8" Diameter x 10" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	17.10	
<i>For >100 To 250, Deduct</i>	-1.63	
<i>For >250 To 500, Deduct</i>	-2.03	
<i>For >500, Deduct</i>	-2.44	
05 05 23 00-0596 3/4" Diameter, Zinc Plated Steel, Grade 8, Hex Head Bolts <small>(05 05 23 00-0472)</small>		
05 05 23 00-0597 EA 3/4" Diameter x 1" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	8.84	
<i>For >100 To 250, Deduct</i>	-1.46	
<i>For >250 To 500, Deduct</i>	-1.83	
<i>For >500, Deduct</i>	-2.20	

05 Metals**05 05 Common Work Results For Metals****05 05 23 Metal Fastenings**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0598 EA 3/4" Diameter x 1-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	8.94	
For >100 To 250, Deduct	-1.46	
For >250 To 500, Deduct	-1.83	
For >500, Deduct	-2.20	
05 05 23 00-0599 EA 3/4" Diameter x 2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	9.01	
For >100 To 250, Deduct	-1.46	
For >250 To 500, Deduct	-1.83	
For >500, Deduct	-2.20	
05 05 23 00-0600 EA 3/4" Diameter x 2-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	9.31	
For >100 To 250, Deduct	-1.50	
For >250 To 500, Deduct	-1.87	
For >500, Deduct	-2.24	
05 05 23 00-0601 EA 3/4" Diameter x 3" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	9.51	
For >100 To 250, Deduct	-1.50	
For >250 To 500, Deduct	-1.87	
For >500, Deduct	-2.24	
05 05 23 00-0602 EA 3/4" Diameter x 3-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	10.10	
For >100 To 250, Deduct	-1.50	
For >250 To 500, Deduct	-1.87	
For >500, Deduct	-2.24	
05 05 23 00-0603 EA 3/4" Diameter x 4" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	10.52	
For >100 To 250, Deduct	-1.53	
For >250 To 500, Deduct	-1.91	
For >500, Deduct	-2.30	
05 05 23 00-0604 EA 3/4" Diameter x 4-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	10.57	
For >100 To 250, Deduct	-1.53	
For >250 To 500, Deduct	-1.91	
For >500, Deduct	-2.30	
05 05 23 00-0605 EA 3/4" Diameter x 5" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	11.38	
For >100 To 250, Deduct	-1.53	
For >250 To 500, Deduct	-1.91	
For >500, Deduct	-2.30	
05 05 23 00-0606 EA 3/4" Diameter x 5-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	11.83	
For >100 To 250, Deduct	-1.56	
For >250 To 500, Deduct	-1.95	
For >500, Deduct	-2.34	
05 05 23 00-0607 EA 3/4" Diameter x 6" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	12.25	
For >100 To 250, Deduct	-1.56	
For >250 To 500, Deduct	-1.95	
For >500, Deduct	-2.34	
05 05 23 00-0608 EA 3/4" Diameter x 6-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	13.04	
For >100 To 250, Deduct	-1.56	
For >250 To 500, Deduct	-1.95	
For >500, Deduct	-2.34	
05 05 23 00-0609 EA 3/4" Diameter x 7" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	14.16	
For >100 To 250, Deduct	-1.59	
For >250 To 500, Deduct	-1.99	
For >500, Deduct	-2.39	
05 05 23 00-0610 EA 3/4" Diameter x 7-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	14.58	
For >100 To 250, Deduct	-1.59	
For >250 To 500, Deduct	-1.99	
For >500, Deduct	-2.39	
05 05 23 00-0611 EA 3/4" Diameter x 8" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	14.79	
For >100 To 250, Deduct	-1.59	
For >250 To 500, Deduct	-1.99	
For >500, Deduct	-2.39	
05 05 23 00-0612 EA 3/4" Diameter x 8-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	15.99	
For >100 To 250, Deduct	-1.63	
For >250 To 500, Deduct	-2.03	
For >500, Deduct	-2.44	
05 05 23 00-0613 EA 3/4" Diameter x 9" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	16.75	
For >100 To 250, Deduct	-1.63	
For >250 To 500, Deduct	-2.03	
For >500, Deduct	-2.44	
05 05 23 00-0614 EA 3/4" Diameter x 9-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	17.30	
For >100 To 250, Deduct	-1.63	
For >250 To 500, Deduct	-2.03	
For >500, Deduct	-2.44	
05 05 23 00-0615 EA 3/4" Diameter x 10" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	17.51	
For >100 To 250, Deduct	-1.63	
For >250 To 500, Deduct	-2.03	
For >500, Deduct	-2.44	
05 05 23 00-0616 7/8" Diameter, Zinc Plated Steel, Grade 8, Hex Head Bolts (05 05 23 00-0472)		
05 05 23 00-0617 EA 7/8" Diameter x 1-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	11.08	
For >100 To 250, Deduct	-1.63	
For >250 To 500, Deduct	-2.03	
For >500, Deduct	-2.44	
05 05 23 00-0618 EA 7/8" Diameter x 2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	11.34	
For >100 To 250, Deduct	-1.63	
For >250 To 500, Deduct	-2.03	
For >500, Deduct	-2.44	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0619 EA 7/8" Diameter x 2-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	11.89	
<i>For >100 To 250, Deduct</i>	-1.66	
<i>For >250 To 500, Deduct</i>	-2.08	
<i>For >500, Deduct</i>	-2.49	
05 05 23 00-0620 EA 7/8" Diameter x 3" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	12.67	
<i>For >100 To 250, Deduct</i>	-1.66	
<i>For >250 To 500, Deduct</i>	-2.08	
<i>For >500, Deduct</i>	-2.49	
05 05 23 00-0621 EA 7/8" Diameter x 3-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	12.76	
<i>For >100 To 250, Deduct</i>	-1.66	
<i>For >250 To 500, Deduct</i>	-2.08	
<i>For >500, Deduct</i>	-2.49	
05 05 23 00-0622 EA 7/8" Diameter x 4" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	13.09	
<i>For >100 To 250, Deduct</i>	-1.69	
<i>For >250 To 500, Deduct</i>	-2.12	
<i>For >500, Deduct</i>	-2.54	
05 05 23 00-0623 EA 7/8" Diameter x 4-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	14.97	
<i>For >100 To 250, Deduct</i>	-1.69	
<i>For >250 To 500, Deduct</i>	-2.12	
<i>For >500, Deduct</i>	-2.54	
05 05 23 00-0624 EA 7/8" Diameter x 5" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	15.45	
<i>For >100 To 250, Deduct</i>	-1.69	
<i>For >250 To 500, Deduct</i>	-2.12	
<i>For >500, Deduct</i>	-2.54	
05 05 23 00-0625 EA 7/8" Diameter x 5-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	16.74	
<i>For >100 To 250, Deduct</i>	-1.73	
<i>For >250 To 500, Deduct</i>	-2.16	
<i>For >500, Deduct</i>	-2.59	
05 05 23 00-0626 EA 7/8" Diameter x 6" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	17.44	
<i>For >100 To 250, Deduct</i>	-1.73	
<i>For >250 To 500, Deduct</i>	-2.16	
<i>For >500, Deduct</i>	-2.59	
05 05 23 00-0627 EA 7/8" Diameter x 6-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	19.27	
<i>For >100 To 250, Deduct</i>	-1.73	
<i>For >250 To 500, Deduct</i>	-2.16	
<i>For >500, Deduct</i>	-2.59	
05 05 23 00-0628 EA 7/8" Diameter x 7" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	20.03	
<i>For >100 To 250, Deduct</i>	-1.76	
<i>For >250 To 500, Deduct</i>	-2.20	
<i>For >500, Deduct</i>	-2.64	
05 05 23 00-0629 EA 7/8" Diameter x 7-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	21.91	
<i>For >100 To 250, Deduct</i>	-1.76	
<i>For >250 To 500, Deduct</i>	-2.20	
<i>For >500, Deduct</i>	-2.64	
05 05 23 00-0630 EA 7/8" Diameter x 8" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	22.67	
<i>For >100 To 250, Deduct</i>	-1.76	
<i>For >250 To 500, Deduct</i>	-2.20	
<i>For >500, Deduct</i>	-2.64	
05 05 23 00-0631 EA 7/8" Diameter x 8-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	23.43	
<i>For >100 To 250, Deduct</i>	-1.79	
<i>For >250 To 500, Deduct</i>	-2.24	
<i>For >500, Deduct</i>	-2.69	
05 05 23 00-0632 EA 7/8" Diameter x 9" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	23.65	
<i>For >100 To 250, Deduct</i>	-1.79	
<i>For >250 To 500, Deduct</i>	-2.24	
<i>For >500, Deduct</i>	-2.69	
05 05 23 00-0633 EA 7/8" Diameter x 9-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	23.84	
<i>For >100 To 250, Deduct</i>	-1.79	
<i>For >250 To 500, Deduct</i>	-2.24	
<i>For >500, Deduct</i>	-2.69	
05 05 23 00-0634 EA 7/8" Diameter x 10" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	24.29	
<i>For >100 To 250, Deduct</i>	-1.79	
<i>For >250 To 500, Deduct</i>	-2.24	
<i>For >500, Deduct</i>	-2.69	
05 05 23 00-0635 1" Diameter, Zinc Plated Steel, Grade 8, Hex Head Bolts <small>(05 05 23 00-0472)</small>		
05 05 23 00-0636 EA 1" Diameter x 1-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	11.82	
<i>For >100 To 250, Deduct</i>	-1.63	
<i>For >250 To 500, Deduct</i>	-2.03	
<i>For >500, Deduct</i>	-2.44	
05 05 23 00-0637 EA 1" Diameter x 2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	12.47	
<i>For >100 To 250, Deduct</i>	-1.63	
<i>For >250 To 500, Deduct</i>	-2.03	
<i>For >500, Deduct</i>	-2.44	
05 05 23 00-0638 EA 1" Diameter x 2-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	12.93	
<i>For >100 To 250, Deduct</i>	-1.66	
<i>For >250 To 500, Deduct</i>	-2.08	
<i>For >500, Deduct</i>	-2.49	
05 05 23 00-0639 EA 1" Diameter x 3" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	13.42	
<i>For >100 To 250, Deduct</i>	-1.66	
<i>For >250 To 500, Deduct</i>	-2.08	
<i>For >500, Deduct</i>	-2.49	

05 Metals**05 05 Common Work Results For Metals****05 05 23 Metal Fastenings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0640	EA		1" Diameter x 3-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	14.33	
			<i>For >100 To 250, Deduct</i>	-1.66	
			<i>For >250 To 500, Deduct</i>	-2.08	
			<i>For >500, Deduct</i>	-2.49	
05 05 23 00-0641	EA		1" Diameter x 4" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	14.73	
			<i>For >100 To 250, Deduct</i>	-1.69	
			<i>For >250 To 500, Deduct</i>	-2.12	
			<i>For >500, Deduct</i>	-2.54	
05 05 23 00-0642	EA		1" Diameter x 4-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	15.52	
			<i>For >100 To 250, Deduct</i>	-1.69	
			<i>For >250 To 500, Deduct</i>	-2.12	
			<i>For >500, Deduct</i>	-2.54	
05 05 23 00-0643	EA		1" Diameter x 5" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	16.57	
			<i>For >100 To 250, Deduct</i>	-1.69	
			<i>For >250 To 500, Deduct</i>	-2.12	
			<i>For >500, Deduct</i>	-2.54	
05 05 23 00-0644	EA		1" Diameter x 5-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	17.23	
			<i>For >100 To 250, Deduct</i>	-1.73	
			<i>For >250 To 500, Deduct</i>	-2.16	
			<i>For >500, Deduct</i>	-2.59	
05 05 23 00-0645	EA		1" Diameter x 6" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	17.67	
			<i>For >100 To 250, Deduct</i>	-1.73	
			<i>For >250 To 500, Deduct</i>	-2.16	
			<i>For >500, Deduct</i>	-2.59	
05 05 23 00-0646	EA		1" Diameter x 6-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	19.87	
			<i>For >100 To 250, Deduct</i>	-1.73	
			<i>For >250 To 500, Deduct</i>	-2.16	
			<i>For >500, Deduct</i>	-2.59	
05 05 23 00-0647	EA		1" Diameter x 7" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	20.37	
			<i>For >100 To 250, Deduct</i>	-1.76	
			<i>For >250 To 500, Deduct</i>	-2.20	
			<i>For >500, Deduct</i>	-2.64	
05 05 23 00-0648	EA		1" Diameter x 7-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	22.85	
			<i>For >100 To 250, Deduct</i>	-1.76	
			<i>For >250 To 500, Deduct</i>	-2.20	
			<i>For >500, Deduct</i>	-2.64	
05 05 23 00-0649	EA		1" Diameter x 8" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	23.28	
			<i>For >100 To 250, Deduct</i>	-1.76	
			<i>For >250 To 500, Deduct</i>	-2.20	
			<i>For >500, Deduct</i>	-2.64	
05 05 23 00-0650	EA		1" Diameter x 8-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	24.76	
			<i>For >100 To 250, Deduct</i>	-1.79	
			<i>For >250 To 500, Deduct</i>	-2.24	
			<i>For >500, Deduct</i>	-2.69	
05 05 23 00-0651	EA		1" Diameter x 9" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	25.48	
			<i>For >100 To 250, Deduct</i>	-1.79	
			<i>For >250 To 500, Deduct</i>	-2.24	
			<i>For >500, Deduct</i>	-2.69	
05 05 23 00-0652	EA		1" Diameter x 9-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	27.37	
			<i>For >100 To 250, Deduct</i>	-1.79	
			<i>For >250 To 500, Deduct</i>	-2.24	
			<i>For >500, Deduct</i>	-2.69	
05 05 23 00-0653	EA		1" Diameter x 10" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	28.53	
			<i>For >100 To 250, Deduct</i>	-1.79	
			<i>For >250 To 500, Deduct</i>	-2.24	
			<i>For >500, Deduct</i>	-2.69	
05 05 23 00-0654			Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolts <small>(05 05 23 00-0097)</small>		
05 05 23 00-0655			1/4" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolts <small>(05 05 23 00-0654)</small>		
05 05 23 00-0656	EA		1/4" Diameter x 1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	5.88	
			<i>For >100 To 250, Deduct</i>	-1.14	
			<i>For >250 To 500, Deduct</i>	-1.42	
			<i>For >500, Deduct</i>	-1.71	
05 05 23 00-0657	EA		1/4" Diameter x 1" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	5.89	
			<i>For >100 To 250, Deduct</i>	-1.14	
			<i>For >250 To 500, Deduct</i>	-1.42	
			<i>For >500, Deduct</i>	-1.71	
05 05 23 00-0658	EA		1/4" Diameter x 1-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	5.90	
			<i>For >100 To 250, Deduct</i>	-1.14	
			<i>For >250 To 500, Deduct</i>	-1.42	
			<i>For >500, Deduct</i>	-1.71	
05 05 23 00-0659	EA		1/4" Diameter x 2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	6.03	
			<i>For >100 To 250, Deduct</i>	-1.14	
			<i>For >250 To 500, Deduct</i>	-1.42	
			<i>For >500, Deduct</i>	-1.71	
05 05 23 00-0660	EA		1/4" Diameter x 2-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	6.27	
			<i>For >100 To 250, Deduct</i>	-1.17	
			<i>For >250 To 500, Deduct</i>	-1.47	
			<i>For >500, Deduct</i>	-1.76	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0661 EA 1/4" Diameter x 3" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	6.35	
<i>For >100 To 250, Deduct</i>	-1.17	
<i>For >250 To 500, Deduct</i>	-1.47	
<i>For >500, Deduct</i>	-1.76	
05 05 23 00-0662 EA 1/4" Diameter x 3-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	6.38	
<i>For >100 To 250, Deduct</i>	-1.17	
<i>For >250 To 500, Deduct</i>	-1.47	
<i>For >500, Deduct</i>	-1.76	
05 05 23 00-0663 EA 1/4" Diameter x 4" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	6.55	
<i>For >100 To 250, Deduct</i>	-1.20	
<i>For >250 To 500, Deduct</i>	-1.51	
<i>For >500, Deduct</i>	-1.81	
05 05 23 00-0664 EA 1/4" Diameter x 4-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	6.64	
<i>For >100 To 250, Deduct</i>	-1.20	
<i>For >250 To 500, Deduct</i>	-1.51	
<i>For >500, Deduct</i>	-1.81	
05 05 23 00-0665 EA 1/4" Diameter x 5" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	6.67	
<i>For >100 To 250, Deduct</i>	-1.20	
<i>For >250 To 500, Deduct</i>	-1.51	
<i>For >500, Deduct</i>	-1.81	
05 05 23 00-0666 EA 1/4" Diameter x 5-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	6.89	
<i>For >100 To 250, Deduct</i>	-1.24	
<i>For >250 To 500, Deduct</i>	-1.55	
<i>For >500, Deduct</i>	-1.85	
05 05 23 00-0667 EA 1/4" Diameter x 6" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	6.98	
<i>For >100 To 250, Deduct</i>	-1.24	
<i>For >250 To 500, Deduct</i>	-1.55	
<i>For >500, Deduct</i>	-1.85	
05 05 23 00-0668 EA 1/4" Diameter x 6-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.00	
<i>For >100 To 250, Deduct</i>	-1.24	
<i>For >250 To 500, Deduct</i>	-1.55	
<i>For >500, Deduct</i>	-1.85	
05 05 23 00-0669 EA 1/4" Diameter x 7" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.25	
<i>For >100 To 250, Deduct</i>	-1.27	
<i>For >250 To 500, Deduct</i>	-1.59	
<i>For >500, Deduct</i>	-1.91	
05 05 23 00-0670 EA 1/4" Diameter x 7-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.47	
<i>For >100 To 250, Deduct</i>	-1.27	
<i>For >250 To 500, Deduct</i>	-1.59	
<i>For >500, Deduct</i>	-1.91	
05 05 23 00-0671 EA 1/4" Diameter x 8" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.76	
<i>For >100 To 250, Deduct</i>	-1.27	
<i>For >250 To 500, Deduct</i>	-1.59	
<i>For >500, Deduct</i>	-1.91	
05 05 23 00-0672 5/16" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolts <small>(05 05 23 00-0654)</small>		
05 05 23 00-0673 EA 5/16" Diameter x 1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	5.82	
<i>For >100 To 250, Deduct</i>	-1.14	
<i>For >250 To 500, Deduct</i>	-1.42	
<i>For >500, Deduct</i>	-1.71	
05 05 23 00-0674 EA 5/16" Diameter x 1" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	6.08	
<i>For >100 To 250, Deduct</i>	-1.14	
<i>For >250 To 500, Deduct</i>	-1.42	
<i>For >500, Deduct</i>	-1.71	
05 05 23 00-0675 EA 5/16" Diameter x 1-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	6.10	
<i>For >100 To 250, Deduct</i>	-1.14	
<i>For >250 To 500, Deduct</i>	-1.42	
<i>For >500, Deduct</i>	-1.71	
05 05 23 00-0676 EA 5/16" Diameter x 2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	6.11	
<i>For >100 To 250, Deduct</i>	-1.14	
<i>For >250 To 500, Deduct</i>	-1.42	
<i>For >500, Deduct</i>	-1.71	
05 05 23 00-0677 EA 5/16" Diameter x 2-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	6.40	
<i>For >100 To 250, Deduct</i>	-1.17	
<i>For >250 To 500, Deduct</i>	-1.47	
<i>For >500, Deduct</i>	-1.76	
05 05 23 00-0678 EA 5/16" Diameter x 3" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	6.64	
<i>For >100 To 250, Deduct</i>	-1.17	
<i>For >250 To 500, Deduct</i>	-1.47	
<i>For >500, Deduct</i>	-1.76	
05 05 23 00-0679 EA 5/16" Diameter x 3-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	6.68	
<i>For >100 To 250, Deduct</i>	-1.17	
<i>For >250 To 500, Deduct</i>	-1.47	
<i>For >500, Deduct</i>	-1.76	
05 05 23 00-0680 EA 5/16" Diameter x 4" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	6.91	
<i>For >100 To 250, Deduct</i>	-1.20	
<i>For >250 To 500, Deduct</i>	-1.51	
<i>For >500, Deduct</i>	-1.81	
05 05 23 00-0681 EA 5/16" Diameter x 4-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	6.94	
<i>For >100 To 250, Deduct</i>	-1.20	
<i>For >250 To 500, Deduct</i>	-1.51	
<i>For >500, Deduct</i>	-1.81	

05 Metals**05 05 Common Work Results For Metals****05 05 23 Metal Fastenings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0682	EA		5/16" Diameter x 5" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.13	
			<i>For >100 To 250, Deduct</i>	-1.20	
			<i>For >250 To 500, Deduct</i>	-1.51	
			<i>For >500, Deduct</i>	-1.81	
05 05 23 00-0683	EA		5/16" Diameter x 5-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.34	
			<i>For >100 To 250, Deduct</i>	-1.24	
			<i>For >250 To 500, Deduct</i>	-1.55	
			<i>For >500, Deduct</i>	-1.85	
05 05 23 00-0684	EA		5/16" Diameter x 6" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.42	
			<i>For >100 To 250, Deduct</i>	-1.24	
			<i>For >250 To 500, Deduct</i>	-1.55	
			<i>For >500, Deduct</i>	-1.85	
05 05 23 00-0685	EA		5/16" Diameter x 6-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.60	
			<i>For >100 To 250, Deduct</i>	-1.24	
			<i>For >250 To 500, Deduct</i>	-1.55	
			<i>For >500, Deduct</i>	-1.85	
05 05 23 00-0686	EA		5/16" Diameter x 7" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.15	
			<i>For >100 To 250, Deduct</i>	-1.27	
			<i>For >250 To 500, Deduct</i>	-1.59	
			<i>For >500, Deduct</i>	-1.91	
05 05 23 00-0687	EA		5/16" Diameter x 7-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.45	
			<i>For >100 To 250, Deduct</i>	-1.27	
			<i>For >250 To 500, Deduct</i>	-1.59	
			<i>For >500, Deduct</i>	-1.91	
05 05 23 00-0688	EA		5/16" Diameter x 8" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.73	
			<i>For >100 To 250, Deduct</i>	-1.27	
			<i>For >250 To 500, Deduct</i>	-1.59	
			<i>For >500, Deduct</i>	-1.91	
05 05 23 00-0689 3/8" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolts <small>(05 05 23 00-0654)</small>					
05 05 23 00-0690	EA		3/8" Diameter x 1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	5.90	
			<i>For >100 To 250, Deduct</i>	-1.14	
			<i>For >250 To 500, Deduct</i>	-1.42	
			<i>For >500, Deduct</i>	-1.71	
05 05 23 00-0691	EA		3/8" Diameter x 1" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	5.96	
			<i>For >100 To 250, Deduct</i>	-1.14	
			<i>For >250 To 500, Deduct</i>	-1.42	
			<i>For >500, Deduct</i>	-1.71	
05 05 23 00-0692	EA		3/8" Diameter x 1-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	6.02	
			<i>For >100 To 250, Deduct</i>	-1.14	
			<i>For >250 To 500, Deduct</i>	-1.42	
			<i>For >500, Deduct</i>	-1.71	
05 05 23 00-0693	EA		3/8" Diameter x 2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	6.18	
			<i>For >100 To 250, Deduct</i>	-1.14	
			<i>For >250 To 500, Deduct</i>	-1.42	
			<i>For >500, Deduct</i>	-1.71	
05 05 23 00-0694	EA		3/8" Diameter x 2-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	6.42	
			<i>For >100 To 250, Deduct</i>	-1.17	
			<i>For >250 To 500, Deduct</i>	-1.47	
			<i>For >500, Deduct</i>	-1.76	
05 05 23 00-0695	EA		3/8" Diameter x 3" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	6.55	
			<i>For >100 To 250, Deduct</i>	-1.17	
			<i>For >250 To 500, Deduct</i>	-1.47	
			<i>For >500, Deduct</i>	-1.76	
05 05 23 00-0696	EA		3/8" Diameter x 3-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	6.64	
			<i>For >100 To 250, Deduct</i>	-1.17	
			<i>For >250 To 500, Deduct</i>	-1.47	
			<i>For >500, Deduct</i>	-1.76	
05 05 23 00-0697	EA		3/8" Diameter x 4" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	6.93	
			<i>For >100 To 250, Deduct</i>	-1.20	
			<i>For >250 To 500, Deduct</i>	-1.51	
			<i>For >500, Deduct</i>	-1.81	
05 05 23 00-0698	EA		3/8" Diameter x 4-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.00	
			<i>For >100 To 250, Deduct</i>	-1.20	
			<i>For >250 To 500, Deduct</i>	-1.51	
			<i>For >500, Deduct</i>	-1.81	
05 05 23 00-0699	EA		3/8" Diameter x 5" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.15	
			<i>For >100 To 250, Deduct</i>	-1.20	
			<i>For >250 To 500, Deduct</i>	-1.51	
			<i>For >500, Deduct</i>	-1.81	
05 05 23 00-0700	EA		3/8" Diameter x 5-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.38	
			<i>For >100 To 250, Deduct</i>	-1.24	
			<i>For >250 To 500, Deduct</i>	-1.55	
			<i>For >500, Deduct</i>	-1.85	
05 05 23 00-0701	EA		3/8" Diameter x 6" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.60	
			<i>For >100 To 250, Deduct</i>	-1.24	
			<i>For >250 To 500, Deduct</i>	-1.55	
			<i>For >500, Deduct</i>	-1.85	
05 05 23 00-0702	EA		3/8" Diameter x 6-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.64	
			<i>For >100 To 250, Deduct</i>	-1.24	
			<i>For >250 To 500, Deduct</i>	-1.55	
			<i>For >500, Deduct</i>	-1.85	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	05 05 23 00-0703	EA		3/8" Diameter x 7" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.82	
				<i>For >100 To 250, Deduct</i>	-1.27	
				<i>For >250 To 500, Deduct</i>	-1.59	
				<i>For >500, Deduct</i>	-1.91	
	05 05 23 00-0704	EA		3/8" Diameter x 7-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.84	
				<i>For >100 To 250, Deduct</i>	-1.27	
				<i>For >250 To 500, Deduct</i>	-1.59	
				<i>For >500, Deduct</i>	-1.91	
	05 05 23 00-0705	EA		3/8" Diameter x 8" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.10	
				<i>For >100 To 250, Deduct</i>	-1.27	
				<i>For >250 To 500, Deduct</i>	-1.59	
				<i>For >500, Deduct</i>	-1.91	
	05 05 23 00-0706			7/16" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolts		
				<small>(05 05 23 00-0654)</small>		
	05 05 23 00-0707	EA		7/16" Diameter x 1" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.11	
				<i>For >100 To 250, Deduct</i>	-1.30	
				<i>For >250 To 500, Deduct</i>	-1.63	
				<i>For >500, Deduct</i>	-1.95	
	05 05 23 00-0708	EA		7/16" Diameter x 1-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.39	
				<i>For >100 To 250, Deduct</i>	-1.30	
				<i>For >250 To 500, Deduct</i>	-1.63	
				<i>For >500, Deduct</i>	-1.95	
	05 05 23 00-0709	EA		7/16" Diameter x 2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.61	
				<i>For >100 To 250, Deduct</i>	-1.30	
				<i>For >250 To 500, Deduct</i>	-1.63	
				<i>For >500, Deduct</i>	-1.95	
	05 05 23 00-0710	EA		7/16" Diameter x 2-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.13	
				<i>For >100 To 250, Deduct</i>	-1.33	
				<i>For >250 To 500, Deduct</i>	-1.67	
				<i>For >500, Deduct</i>	-2.00	
	05 05 23 00-0711	EA		7/16" Diameter x 3" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.15	
				<i>For >100 To 250, Deduct</i>	-1.33	
				<i>For >250 To 500, Deduct</i>	-1.67	
				<i>For >500, Deduct</i>	-2.00	
	05 05 23 00-0712	EA		7/16" Diameter x 3-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.17	
				<i>For >100 To 250, Deduct</i>	-1.33	
				<i>For >250 To 500, Deduct</i>	-1.67	
				<i>For >500, Deduct</i>	-2.00	
	05 05 23 00-0713	EA		7/16" Diameter x 4" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.52	
				<i>For >100 To 250, Deduct</i>	-1.37	
				<i>For >250 To 500, Deduct</i>	-1.71	
				<i>For >500, Deduct</i>	-2.05	
	05 05 23 00-0714	EA		7/16" Diameter x 4-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.72	
				<i>For >100 To 250, Deduct</i>	-1.37	
				<i>For >250 To 500, Deduct</i>	-1.71	
				<i>For >500, Deduct</i>	-2.05	
	05 05 23 00-0715	EA		7/16" Diameter x 5" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.90	
				<i>For >100 To 250, Deduct</i>	-1.37	
				<i>For >250 To 500, Deduct</i>	-1.71	
				<i>For >500, Deduct</i>	-2.05	
	05 05 23 00-0716	EA		7/16" Diameter x 5-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.26	
				<i>For >100 To 250, Deduct</i>	-1.40	
				<i>For >250 To 500, Deduct</i>	-1.75	
				<i>For >500, Deduct</i>	-2.10	
	05 05 23 00-0717	EA		7/16" Diameter x 6" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.48	
				<i>For >100 To 250, Deduct</i>	-1.40	
				<i>For >250 To 500, Deduct</i>	-1.75	
				<i>For >500, Deduct</i>	-2.10	
	05 05 23 00-0718			1/2" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolts		
				<small>(05 05 23 00-0654)</small>		
	05 05 23 00-0719	EA		1/2" Diameter x 1" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	6.98	
				<i>For >100 To 250, Deduct</i>	-1.30	
				<i>For >250 To 500, Deduct</i>	-1.63	
				<i>For >500, Deduct</i>	-1.95	
	05 05 23 00-0720	EA		1/2" Diameter x 1-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.07	
				<i>For >100 To 250, Deduct</i>	-1.30	
				<i>For >250 To 500, Deduct</i>	-1.63	
				<i>For >500, Deduct</i>	-1.95	
	05 05 23 00-0721	EA		1/2" Diameter x 2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.26	
				<i>For >100 To 250, Deduct</i>	-1.30	
				<i>For >250 To 500, Deduct</i>	-1.63	
				<i>For >500, Deduct</i>	-1.95	
	05 05 23 00-0722	EA		1/2" Diameter x 2-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.63	
				<i>For >100 To 250, Deduct</i>	-1.33	
				<i>For >250 To 500, Deduct</i>	-1.67	
				<i>For >500, Deduct</i>	-2.00	
	05 05 23 00-0723	EA		1/2" Diameter x 3" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.77	
				<i>For >100 To 250, Deduct</i>	-1.33	
				<i>For >250 To 500, Deduct</i>	-1.67	
				<i>For >500, Deduct</i>	-2.00	

05 Metals**05 05 Common Work Results For Metals****05 05 23 Metal Fastenings**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0724 EA 1/2" Diameter x 3-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.03	
For >100 To 250, Deduct	-1.33	
For >250 To 500, Deduct	-1.67	
For >500, Deduct	-2.00	
05 05 23 00-0725 EA 1/2" Diameter x 4" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.25	
For >100 To 250, Deduct	-1.37	
For >250 To 500, Deduct	-1.71	
For >500, Deduct	-2.05	
05 05 23 00-0726 EA 1/2" Diameter x 4-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.35	
For >100 To 250, Deduct	-1.37	
For >250 To 500, Deduct	-1.71	
For >500, Deduct	-2.05	
05 05 23 00-0727 EA 1/2" Diameter x 5" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.56	
For >100 To 250, Deduct	-1.37	
For >250 To 500, Deduct	-1.71	
For >500, Deduct	-2.05	
05 05 23 00-0728 EA 1/2" Diameter x 5-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.82	
For >100 To 250, Deduct	-1.40	
For >250 To 500, Deduct	-1.75	
For >500, Deduct	-2.10	
05 05 23 00-0729 EA 1/2" Diameter x 6" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.05	
For >100 To 250, Deduct	-1.40	
For >250 To 500, Deduct	-1.75	
For >500, Deduct	-2.10	
05 05 23 00-0730 EA 1/2" Diameter x 6-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.07	
For >100 To 250, Deduct	-1.40	
For >250 To 500, Deduct	-1.75	
For >500, Deduct	-2.10	
05 05 23 00-0731 EA 1/2" Diameter x 7" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.28	
For >100 To 250, Deduct	-1.43	
For >250 To 500, Deduct	-1.79	
For >500, Deduct	-2.15	
05 05 23 00-0732 EA 1/2" Diameter x 7-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.34	
For >100 To 250, Deduct	-1.43	
For >250 To 500, Deduct	-1.79	
For >500, Deduct	-2.15	
05 05 23 00-0733 EA 1/2" Diameter x 8" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.52	
For >100 To 250, Deduct	-1.43	
For >250 To 500, Deduct	-1.79	
For >500, Deduct	-2.15	
05 05 23 00-0734 EA 1/2" Diameter x 8-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.52	
For >100 To 250, Deduct	-1.46	
For >250 To 500, Deduct	-1.83	
For >500, Deduct	-2.20	
05 05 23 00-0735 EA 1/2" Diameter x 9" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.66	
For >100 To 250, Deduct	-1.46	
For >250 To 500, Deduct	-1.83	
For >500, Deduct	-2.20	
05 05 23 00-0736 EA 1/2" Diameter x 9-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.69	
For >100 To 250, Deduct	-1.46	
For >250 To 500, Deduct	-1.83	
For >500, Deduct	-2.20	
05 05 23 00-0737 EA 1/2" Diameter x 10" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.77	
For >100 To 250, Deduct	-1.46	
For >250 To 500, Deduct	-1.83	
For >500, Deduct	-2.20	
05 05 23 00-0738 5/8" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolts <small>(05 05 23 00-0654)</small>		
05 05 23 00-0739 EA 5/8" Diameter x 1" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.12	
For >100 To 250, Deduct	-1.46	
For >250 To 500, Deduct	-1.83	
For >500, Deduct	-2.20	
05 05 23 00-0740 EA 5/8" Diameter x 1-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.26	
For >100 To 250, Deduct	-1.46	
For >250 To 500, Deduct	-1.83	
For >500, Deduct	-2.20	
05 05 23 00-0741 EA 5/8" Diameter x 2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.36	
For >100 To 250, Deduct	-1.46	
For >250 To 500, Deduct	-1.83	
For >500, Deduct	-2.20	
05 05 23 00-0742 EA 5/8" Diameter x 2-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.68	
For >100 To 250, Deduct	-1.50	
For >250 To 500, Deduct	-1.87	
For >500, Deduct	-2.24	
05 05 23 00-0743 EA 5/8" Diameter x 3" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.89	
For >100 To 250, Deduct	-1.50	
For >250 To 500, Deduct	-1.87	
For >500, Deduct	-2.24	
05 05 23 00-0744 EA 5/8" Diameter x 3-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.36	
For >100 To 250, Deduct	-1.50	
For >250 To 500, Deduct	-1.87	
For >500, Deduct	-2.24	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0745 EA 5/8" Diameter x 4" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.60	
<i>For >100 To 250, Deduct</i>	-1.53	
<i>For >250 To 500, Deduct</i>	-1.91	
<i>For >500, Deduct</i>	-2.30	
05 05 23 00-0746 EA 5/8" Diameter x 4-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.68	
<i>For >100 To 250, Deduct</i>	-1.53	
<i>For >250 To 500, Deduct</i>	-1.91	
<i>For >500, Deduct</i>	-2.30	
05 05 23 00-0747 EA 5/8" Diameter x 5" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.83	
<i>For >100 To 250, Deduct</i>	-1.53	
<i>For >250 To 500, Deduct</i>	-1.91	
<i>For >500, Deduct</i>	-2.30	
05 05 23 00-0748 EA 5/8" Diameter x 5-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.17	
<i>For >100 To 250, Deduct</i>	-1.56	
<i>For >250 To 500, Deduct</i>	-1.95	
<i>For >500, Deduct</i>	-2.34	
05 05 23 00-0749 EA 5/8" Diameter x 6" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.34	
<i>For >100 To 250, Deduct</i>	-1.56	
<i>For >250 To 500, Deduct</i>	-1.95	
<i>For >500, Deduct</i>	-2.34	
05 05 23 00-0750 EA 5/8" Diameter x 6-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.82	
<i>For >100 To 250, Deduct</i>	-1.56	
<i>For >250 To 500, Deduct</i>	-1.95	
<i>For >500, Deduct</i>	-2.34	
05 05 23 00-0751 EA 5/8" Diameter x 7" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	11.01	
<i>For >100 To 250, Deduct</i>	-1.59	
<i>For >250 To 500, Deduct</i>	-1.99	
<i>For >500, Deduct</i>	-2.39	
05 05 23 00-0752 EA 5/8" Diameter x 7-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	11.85	
<i>For >100 To 250, Deduct</i>	-1.59	
<i>For >250 To 500, Deduct</i>	-1.99	
<i>For >500, Deduct</i>	-2.39	
05 05 23 00-0753 EA 5/8" Diameter x 8" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	12.09	
<i>For >100 To 250, Deduct</i>	-1.59	
<i>For >250 To 500, Deduct</i>	-1.99	
<i>For >500, Deduct</i>	-2.39	
05 05 23 00-0754 EA 5/8" Diameter x 8-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	12.61	
<i>For >100 To 250, Deduct</i>	-1.63	
<i>For >250 To 500, Deduct</i>	-2.03	
<i>For >500, Deduct</i>	-2.44	
05 05 23 00-0755 EA 5/8" Diameter x 9" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	13.01	
<i>For >100 To 250, Deduct</i>	-1.63	
<i>For >250 To 500, Deduct</i>	-2.03	
<i>For >500, Deduct</i>	-2.44	
05 05 23 00-0756 EA 5/8" Diameter x 9-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	13.91	
<i>For >100 To 250, Deduct</i>	-1.63	
<i>For >250 To 500, Deduct</i>	-2.03	
<i>For >500, Deduct</i>	-2.44	
05 05 23 00-0757 EA 5/8" Diameter x 10" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	13.98	
<i>For >100 To 250, Deduct</i>	-1.63	
<i>For >250 To 500, Deduct</i>	-2.03	
<i>For >500, Deduct</i>	-2.44	
05 05 23 00-0758 3/4" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolts <small>(05 05 23 00-0654)</small>		
05 05 23 00-0759 EA 3/4" Diameter x 1" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.80	
<i>For >100 To 250, Deduct</i>	-1.46	
<i>For >250 To 500, Deduct</i>	-1.83	
<i>For >500, Deduct</i>	-2.20	
05 05 23 00-0760 EA 3/4" Diameter x 1-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.84	
<i>For >100 To 250, Deduct</i>	-1.46	
<i>For >250 To 500, Deduct</i>	-1.83	
<i>For >500, Deduct</i>	-2.20	
05 05 23 00-0761 EA 3/4" Diameter x 2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.01	
<i>For >100 To 250, Deduct</i>	-1.46	
<i>For >250 To 500, Deduct</i>	-1.83	
<i>For >500, Deduct</i>	-2.20	
05 05 23 00-0762 EA 3/4" Diameter x 2-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.56	
<i>For >100 To 250, Deduct</i>	-1.50	
<i>For >250 To 500, Deduct</i>	-1.87	
<i>For >500, Deduct</i>	-2.24	
05 05 23 00-0763 EA 3/4" Diameter x 3" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.21	
<i>For >100 To 250, Deduct</i>	-1.50	
<i>For >250 To 500, Deduct</i>	-1.87	
<i>For >500, Deduct</i>	-2.24	
05 05 23 00-0764 EA 3/4" Diameter x 3-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.63	
<i>For >100 To 250, Deduct</i>	-1.50	
<i>For >250 To 500, Deduct</i>	-1.87	
<i>For >500, Deduct</i>	-2.24	
05 05 23 00-0765 EA 3/4" Diameter x 4" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	11.03	
<i>For >100 To 250, Deduct</i>	-1.53	
<i>For >250 To 500, Deduct</i>	-1.91	
<i>For >500, Deduct</i>	-2.30	

05 Metals**05 05 Common Work Results For Metals****05 05 23 Metal Fastenings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0766	EA		3/4" Diameter x 4-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	11.06	
			<i>For >100 To 250, Deduct</i>	-1.53	
			<i>For >250 To 500, Deduct</i>	-1.91	
			<i>For >500, Deduct</i>	-2.30	
05 05 23 00-0767	EA		3/4" Diameter x 5" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	11.15	
			<i>For >100 To 250, Deduct</i>	-1.53	
			<i>For >250 To 500, Deduct</i>	-1.91	
			<i>For >500, Deduct</i>	-2.30	
05 05 23 00-0768	EA		3/4" Diameter x 5-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	11.37	
			<i>For >100 To 250, Deduct</i>	-1.56	
			<i>For >250 To 500, Deduct</i>	-1.95	
			<i>For >500, Deduct</i>	-2.34	
05 05 23 00-0769	EA		3/4" Diameter x 6" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	11.93	
			<i>For >100 To 250, Deduct</i>	-1.56	
			<i>For >250 To 500, Deduct</i>	-1.95	
			<i>For >500, Deduct</i>	-2.34	
05 05 23 00-0770	EA		3/4" Diameter x 6-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	12.16	
			<i>For >100 To 250, Deduct</i>	-1.56	
			<i>For >250 To 500, Deduct</i>	-1.95	
			<i>For >500, Deduct</i>	-2.34	
05 05 23 00-0771	EA		3/4" Diameter x 7" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	12.77	
			<i>For >100 To 250, Deduct</i>	-1.59	
			<i>For >250 To 500, Deduct</i>	-1.99	
			<i>For >500, Deduct</i>	-2.39	
05 05 23 00-0772	EA		3/4" Diameter x 7-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	12.85	
			<i>For >100 To 250, Deduct</i>	-1.59	
			<i>For >250 To 500, Deduct</i>	-1.99	
			<i>For >500, Deduct</i>	-2.39	
05 05 23 00-0773	EA		3/4" Diameter x 8" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	13.07	
			<i>For >100 To 250, Deduct</i>	-1.59	
			<i>For >250 To 500, Deduct</i>	-1.99	
			<i>For >500, Deduct</i>	-2.39	
05 05 23 00-0774	EA		3/4" Diameter x 8-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	13.57	
			<i>For >100 To 250, Deduct</i>	-1.63	
			<i>For >250 To 500, Deduct</i>	-2.03	
			<i>For >500, Deduct</i>	-2.44	
05 05 23 00-0775	EA		3/4" Diameter x 9" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	13.81	
			<i>For >100 To 250, Deduct</i>	-1.63	
			<i>For >250 To 500, Deduct</i>	-2.03	
			<i>For >500, Deduct</i>	-2.44	
05 05 23 00-0776	EA		3/4" Diameter x 9-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	13.94	
			<i>For >100 To 250, Deduct</i>	-1.63	
			<i>For >250 To 500, Deduct</i>	-2.03	
			<i>For >500, Deduct</i>	-2.44	
05 05 23 00-0777	EA		3/4" Diameter x 10" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	14.01	
			<i>For >100 To 250, Deduct</i>	-1.63	
			<i>For >250 To 500, Deduct</i>	-2.03	
			<i>For >500, Deduct</i>	-2.44	
05 05 23 00-0778			7/8" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolts <small>(05 05 23 00-0654)</small>		
05 05 23 00-0779	EA		7/8" Diameter x 1-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.97	
			<i>For >100 To 250, Deduct</i>	-1.63	
			<i>For >250 To 500, Deduct</i>	-2.03	
			<i>For >500, Deduct</i>	-2.44	
05 05 23 00-0780	EA		7/8" Diameter x 2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	11.24	
			<i>For >100 To 250, Deduct</i>	-1.63	
			<i>For >250 To 500, Deduct</i>	-2.03	
			<i>For >500, Deduct</i>	-2.44	
05 05 23 00-0781	EA		7/8" Diameter x 2-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	11.56	
			<i>For >100 To 250, Deduct</i>	-1.66	
			<i>For >250 To 500, Deduct</i>	-2.08	
			<i>For >500, Deduct</i>	-2.49	
05 05 23 00-0782	EA		7/8" Diameter x 3" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	12.96	
			<i>For >100 To 250, Deduct</i>	-1.66	
			<i>For >250 To 500, Deduct</i>	-2.08	
			<i>For >500, Deduct</i>	-2.49	
05 05 23 00-0783	EA		7/8" Diameter x 3-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	13.18	
			<i>For >100 To 250, Deduct</i>	-1.66	
			<i>For >250 To 500, Deduct</i>	-2.08	
			<i>For >500, Deduct</i>	-2.49	
05 05 23 00-0784	EA		7/8" Diameter x 4" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	13.60	
			<i>For >100 To 250, Deduct</i>	-1.69	
			<i>For >250 To 500, Deduct</i>	-2.12	
			<i>For >500, Deduct</i>	-2.54	
05 05 23 00-0785	EA		7/8" Diameter x 4-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	13.90	
			<i>For >100 To 250, Deduct</i>	-1.69	
			<i>For >250 To 500, Deduct</i>	-2.12	
			<i>For >500, Deduct</i>	-2.54	
05 05 23 00-0786	EA		7/8" Diameter x 5" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	14.27	
			<i>For >100 To 250, Deduct</i>	-1.69	
			<i>For >250 To 500, Deduct</i>	-2.12	
			<i>For >500, Deduct</i>	-2.54	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0787 EA 7/8" Diameter x 5-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	14.71	
<i>For >100 To 250, Deduct</i>	-1.73	
<i>For >250 To 500, Deduct</i>	-2.16	
<i>For >500, Deduct</i>	-2.59	
05 05 23 00-0788 EA 7/8" Diameter x 6" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	15.00	
<i>For >100 To 250, Deduct</i>	-1.73	
<i>For >250 To 500, Deduct</i>	-2.16	
<i>For >500, Deduct</i>	-2.59	
05 05 23 00-0789 EA 7/8" Diameter x 6-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	17.31	
<i>For >100 To 250, Deduct</i>	-1.73	
<i>For >250 To 500, Deduct</i>	-2.16	
<i>For >500, Deduct</i>	-2.59	
05 05 23 00-0790 EA 7/8" Diameter x 7" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	17.80	
<i>For >100 To 250, Deduct</i>	-1.76	
<i>For >250 To 500, Deduct</i>	-2.20	
<i>For >500, Deduct</i>	-2.64	
05 05 23 00-0791 EA 7/8" Diameter x 7-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	18.34	
<i>For >100 To 250, Deduct</i>	-1.76	
<i>For >250 To 500, Deduct</i>	-2.20	
<i>For >500, Deduct</i>	-2.64	
05 05 23 00-0792 EA 7/8" Diameter x 8" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	18.47	
<i>For >100 To 250, Deduct</i>	-1.76	
<i>For >250 To 500, Deduct</i>	-2.20	
<i>For >500, Deduct</i>	-2.64	
05 05 23 00-0793 EA 7/8" Diameter x 8-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	18.77	
<i>For >100 To 250, Deduct</i>	-1.79	
<i>For >250 To 500, Deduct</i>	-2.24	
<i>For >500, Deduct</i>	-2.69	
05 05 23 00-0794 EA 7/8" Diameter x 9" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	19.07	
<i>For >100 To 250, Deduct</i>	-1.79	
<i>For >250 To 500, Deduct</i>	-2.24	
<i>For >500, Deduct</i>	-2.69	
05 05 23 00-0795 EA 7/8" Diameter x 9-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	19.45	
<i>For >100 To 250, Deduct</i>	-1.79	
<i>For >250 To 500, Deduct</i>	-2.24	
<i>For >500, Deduct</i>	-2.69	
05 05 23 00-0796 EA 7/8" Diameter x 10" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	19.80	
<i>For >100 To 250, Deduct</i>	-1.79	
<i>For >250 To 500, Deduct</i>	-2.24	
<i>For >500, Deduct</i>	-2.69	
05 05 23 00-0797 1" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolts <small>(05 05 23 00-0854)</small>		
05 05 23 00-0798 EA 1" Diameter x 2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	12.85	
<i>For >100 To 250, Deduct</i>	-1.63	
<i>For >250 To 500, Deduct</i>	-2.03	
<i>For >500, Deduct</i>	-2.44	
05 05 23 00-0799 EA 1" Diameter x 2-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	13.11	
<i>For >100 To 250, Deduct</i>	-1.66	
<i>For >250 To 500, Deduct</i>	-2.08	
<i>For >500, Deduct</i>	-2.49	
05 05 23 00-0800 EA 1" Diameter x 3" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	13.61	
<i>For >100 To 250, Deduct</i>	-1.66	
<i>For >250 To 500, Deduct</i>	-2.08	
<i>For >500, Deduct</i>	-2.49	
05 05 23 00-0801 EA 1" Diameter x 3-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	14.01	
<i>For >100 To 250, Deduct</i>	-1.66	
<i>For >250 To 500, Deduct</i>	-2.08	
<i>For >500, Deduct</i>	-2.49	
05 05 23 00-0802 EA 1" Diameter x 4" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	15.08	
<i>For >100 To 250, Deduct</i>	-1.69	
<i>For >250 To 500, Deduct</i>	-2.12	
<i>For >500, Deduct</i>	-2.54	
05 05 23 00-0803 EA 1" Diameter x 4-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	15.28	
<i>For >100 To 250, Deduct</i>	-1.69	
<i>For >250 To 500, Deduct</i>	-2.12	
<i>For >500, Deduct</i>	-2.54	
05 05 23 00-0804 EA 1" Diameter x 5" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	15.86	
<i>For >100 To 250, Deduct</i>	-1.69	
<i>For >250 To 500, Deduct</i>	-2.12	
<i>For >500, Deduct</i>	-2.54	
05 05 23 00-0805 EA 1" Diameter x 5-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	16.09	
<i>For >100 To 250, Deduct</i>	-1.73	
<i>For >250 To 500, Deduct</i>	-2.16	
<i>For >500, Deduct</i>	-2.59	
05 05 23 00-0806 EA 1" Diameter x 6" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	16.31	
<i>For >100 To 250, Deduct</i>	-1.73	
<i>For >250 To 500, Deduct</i>	-2.16	
<i>For >500, Deduct</i>	-2.59	
05 05 23 00-0807 EA 1" Diameter x 6-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	18.30	
<i>For >100 To 250, Deduct</i>	-1.73	
<i>For >250 To 500, Deduct</i>	-2.16	
<i>For >500, Deduct</i>	-2.59	

05 Metals**05 05 Common Work Results For Metals****05 05 23 Metal Fastenings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0808	EA		1" Diameter x 7" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	18.83	
			<i>For >100 To 250, Deduct</i>	-1.76	
			<i>For >250 To 500, Deduct</i>	-2.20	
			<i>For >500, Deduct</i>	-2.64	
05 05 23 00-0809	EA		1" Diameter x 7-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	19.67	
			<i>For >100 To 250, Deduct</i>	-1.76	
			<i>For >250 To 500, Deduct</i>	-2.20	
			<i>For >500, Deduct</i>	-2.64	
05 05 23 00-0810	EA		1" Diameter x 8" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	20.49	
			<i>For >100 To 250, Deduct</i>	-1.76	
			<i>For >250 To 500, Deduct</i>	-2.20	
			<i>For >500, Deduct</i>	-2.64	
05 05 23 00-0811	EA		1" Diameter x 8-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	20.90	
			<i>For >100 To 250, Deduct</i>	-1.79	
			<i>For >250 To 500, Deduct</i>	-2.24	
			<i>For >500, Deduct</i>	-2.69	
05 05 23 00-0812	EA		1" Diameter x 9" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	21.57	
			<i>For >100 To 250, Deduct</i>	-1.79	
			<i>For >250 To 500, Deduct</i>	-2.24	
			<i>For >500, Deduct</i>	-2.69	
05 05 23 00-0813	EA		1" Diameter x 9-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	22.07	
			<i>For >100 To 250, Deduct</i>	-1.79	
			<i>For >250 To 500, Deduct</i>	-2.24	
			<i>For >500, Deduct</i>	-2.69	
05 05 23 00-0814	EA		1" Diameter x 10" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	22.83	
			<i>For >100 To 250, Deduct</i>	-1.79	
			<i>For >250 To 500, Deduct</i>	-2.24	
			<i>For >500, Deduct</i>	-2.69	
05 05 23 00-0815			304/18-8 Stainless Steel, Hex Head Bolts <small>(05 05 23 00-0097)</small>		
05 05 23 00-0816			1/4" Diameter, 304/18-8 Stainless Steel, Hex Head Bolts <small>(05 05 23 00-0815)</small>		
05 05 23 00-0817	EA		1/4" Diameter x 1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	5.85	
			<i>For >100 To 250, Deduct</i>	-1.14	
			<i>For >250 To 500, Deduct</i>	-1.42	
			<i>For >500, Deduct</i>	-1.71	
05 05 23 00-0818	EA		1/4" Diameter x 1" Length, 304/18-8 Stainless Steel, Hex Head Bolt	5.91	
			<i>For >100 To 250, Deduct</i>	-1.14	
			<i>For >250 To 500, Deduct</i>	-1.42	
			<i>For >500, Deduct</i>	-1.71	
05 05 23 00-0819	EA		1/4" Diameter x 1-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	5.98	
			<i>For >100 To 250, Deduct</i>	-1.14	
			<i>For >250 To 500, Deduct</i>	-1.42	
			<i>For >500, Deduct</i>	-1.71	
05 05 23 00-0820	EA		1/4" Diameter x 2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	6.07	
			<i>For >100 To 250, Deduct</i>	-1.14	
			<i>For >250 To 500, Deduct</i>	-1.42	
			<i>For >500, Deduct</i>	-1.71	
05 05 23 00-0821	EA		1/4" Diameter x 2-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	6.32	
			<i>For >100 To 250, Deduct</i>	-1.17	
			<i>For >250 To 500, Deduct</i>	-1.47	
			<i>For >500, Deduct</i>	-1.76	
05 05 23 00-0822	EA		1/4" Diameter x 3" Length, 304/18-8 Stainless Steel, Hex Head Bolt	6.44	
			<i>For >100 To 250, Deduct</i>	-1.17	
			<i>For >250 To 500, Deduct</i>	-1.47	
			<i>For >500, Deduct</i>	-1.76	
05 05 23 00-0823	EA		1/4" Diameter x 3-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	6.59	
			<i>For >100 To 250, Deduct</i>	-1.17	
			<i>For >250 To 500, Deduct</i>	-1.47	
			<i>For >500, Deduct</i>	-1.76	
05 05 23 00-0824	EA		1/4" Diameter x 4" Length, 304/18-8 Stainless Steel, Hex Head Bolt	6.86	
			<i>For >100 To 250, Deduct</i>	-1.20	
			<i>For >250 To 500, Deduct</i>	-1.51	
			<i>For >500, Deduct</i>	-1.81	
05 05 23 00-0825	EA		1/4" Diameter x 4-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	7.04	
			<i>For >100 To 250, Deduct</i>	-1.20	
			<i>For >250 To 500, Deduct</i>	-1.51	
			<i>For >500, Deduct</i>	-1.81	
05 05 23 00-0826	EA		1/4" Diameter x 5" Length, 304/18-8 Stainless Steel, Hex Head Bolt	7.20	
			<i>For >100 To 250, Deduct</i>	-1.20	
			<i>For >250 To 500, Deduct</i>	-1.51	
			<i>For >500, Deduct</i>	-1.81	
05 05 23 00-0827	EA		1/4" Diameter x 5-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	7.50	
			<i>For >100 To 250, Deduct</i>	-1.24	
			<i>For >250 To 500, Deduct</i>	-1.55	
			<i>For >500, Deduct</i>	-1.85	
05 05 23 00-0828	EA		1/4" Diameter x 6" Length, 304/18-8 Stainless Steel, Hex Head Bolt	7.77	
			<i>For >100 To 250, Deduct</i>	-1.24	
			<i>For >250 To 500, Deduct</i>	-1.55	
			<i>For >500, Deduct</i>	-1.85	
05 05 23 00-0829	EA		1/4" Diameter x 6-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	11.02	
			<i>For >100 To 250, Deduct</i>	-1.24	
			<i>For >250 To 500, Deduct</i>	-1.55	
			<i>For >500, Deduct</i>	-1.85	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0830 EA 1/4" Diameter x 7" Length, 304/18-8 Stainless Steel, Hex Head Bolt	12.78	
<i>For >100 To 250, Deduct</i>	-1.27	
<i>For >250 To 500, Deduct</i>	-1.59	
<i>For >500, Deduct</i>	-1.91	
05 05 23 00-0831 EA 1/4" Diameter x 7-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	12.94	
<i>For >100 To 250, Deduct</i>	-1.27	
<i>For >250 To 500, Deduct</i>	-1.59	
<i>For >500, Deduct</i>	-1.91	
05 05 23 00-0832 EA 1/4" Diameter x 8" Length, 304/18-8 Stainless Steel, Hex Head Bolt	13.30	
<i>For >100 To 250, Deduct</i>	-1.27	
<i>For >250 To 500, Deduct</i>	-1.59	
<i>For >500, Deduct</i>	-1.91	
05 05 23 00-0833 5/16" Diameter, 304/18-8 Stainless Steel, Hex Head Bolts <small>(05 05 23 00-0815)</small>		
05 05 23 00-0834 EA 5/16" Diameter x 1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	5.96	
<i>For >100 To 250, Deduct</i>	-1.14	
<i>For >250 To 500, Deduct</i>	-1.42	
<i>For >500, Deduct</i>	-1.71	
05 05 23 00-0835 EA 5/16" Diameter x 1" Length, 304/18-8 Stainless Steel, Hex Head Bolt	6.01	
<i>For >100 To 250, Deduct</i>	-1.14	
<i>For >250 To 500, Deduct</i>	-1.42	
<i>For >500, Deduct</i>	-1.71	
05 05 23 00-0836 EA 5/16" Diameter x 1-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	6.13	
<i>For >100 To 250, Deduct</i>	-1.14	
<i>For >250 To 500, Deduct</i>	-1.42	
<i>For >500, Deduct</i>	-1.71	
05 05 23 00-0837 EA 5/16" Diameter x 2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	6.23	
<i>For >100 To 250, Deduct</i>	-1.14	
<i>For >250 To 500, Deduct</i>	-1.42	
<i>For >500, Deduct</i>	-1.71	
05 05 23 00-0838 EA 5/16" Diameter x 2-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	6.57	
<i>For >100 To 250, Deduct</i>	-1.17	
<i>For >250 To 500, Deduct</i>	-1.47	
<i>For >500, Deduct</i>	-1.76	
05 05 23 00-0839 EA 5/16" Diameter x 3" Length, 304/18-8 Stainless Steel, Hex Head Bolt	6.63	
<i>For >100 To 250, Deduct</i>	-1.17	
<i>For >250 To 500, Deduct</i>	-1.47	
<i>For >500, Deduct</i>	-1.76	
05 05 23 00-0840 EA 5/16" Diameter x 3-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	6.93	
<i>For >100 To 250, Deduct</i>	-1.17	
<i>For >250 To 500, Deduct</i>	-1.47	
<i>For >500, Deduct</i>	-1.76	
05 05 23 00-0841 EA 5/16" Diameter x 4" Length, 304/18-8 Stainless Steel, Hex Head Bolt	7.30	
<i>For >100 To 250, Deduct</i>	-1.20	
<i>For >250 To 500, Deduct</i>	-1.51	
<i>For >500, Deduct</i>	-1.81	
05 05 23 00-0842 EA 5/16" Diameter x 4-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	7.64	
<i>For >100 To 250, Deduct</i>	-1.20	
<i>For >250 To 500, Deduct</i>	-1.51	
<i>For >500, Deduct</i>	-1.81	
05 05 23 00-0843 EA 5/16" Diameter x 5" Length, 304/18-8 Stainless Steel, Hex Head Bolt	7.81	
<i>For >100 To 250, Deduct</i>	-1.20	
<i>For >250 To 500, Deduct</i>	-1.51	
<i>For >500, Deduct</i>	-1.81	
05 05 23 00-0844 EA 5/16" Diameter x 5-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	8.49	
<i>For >100 To 250, Deduct</i>	-1.24	
<i>For >250 To 500, Deduct</i>	-1.55	
<i>For >500, Deduct</i>	-1.85	
05 05 23 00-0845 EA 5/16" Diameter x 6" Length, 304/18-8 Stainless Steel, Hex Head Bolt	9.34	
<i>For >100 To 250, Deduct</i>	-1.24	
<i>For >250 To 500, Deduct</i>	-1.55	
<i>For >500, Deduct</i>	-1.85	
05 05 23 00-0846 EA 5/16" Diameter x 6-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	11.28	
<i>For >100 To 250, Deduct</i>	-1.24	
<i>For >250 To 500, Deduct</i>	-1.55	
<i>For >500, Deduct</i>	-1.85	
05 05 23 00-0847 EA 5/16" Diameter x 7" Length, 304/18-8 Stainless Steel, Hex Head Bolt	14.59	
<i>For >100 To 250, Deduct</i>	-1.27	
<i>For >250 To 500, Deduct</i>	-1.59	
<i>For >500, Deduct</i>	-1.91	
05 05 23 00-0848 3/8" Diameter, 304/18-8 Stainless Steel, Hex Head Bolts <small>(05 05 23 00-0815)</small>		
05 05 23 00-0849 EA 3/8" Diameter x 1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	6.10	
<i>For >100 To 250, Deduct</i>	-1.14	
<i>For >250 To 500, Deduct</i>	-1.42	
<i>For >500, Deduct</i>	-1.71	
05 05 23 00-0850 EA 3/8" Diameter x 1" Length, 304/18-8 Stainless Steel, Hex Head Bolt	6.18	
<i>For >100 To 250, Deduct</i>	-1.14	
<i>For >250 To 500, Deduct</i>	-1.42	
<i>For >500, Deduct</i>	-1.71	

05 Metals**05 05 Common Work Results For Metals****05 05 23 Metal Fastenings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0851	EA		3/8" Diameter x 1-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	6.36	
			<i>For >100 To 250, Deduct</i>	-1.14	
			<i>For >250 To 500, Deduct</i>	-1.42	
			<i>For >500, Deduct</i>	-1.71	
05 05 23 00-0852	EA		3/8" Diameter x 2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	6.59	
			<i>For >100 To 250, Deduct</i>	-1.14	
			<i>For >250 To 500, Deduct</i>	-1.42	
			<i>For >500, Deduct</i>	-1.71	
05 05 23 00-0853	EA		3/8" Diameter x 2-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	6.88	
			<i>For >100 To 250, Deduct</i>	-1.17	
			<i>For >250 To 500, Deduct</i>	-1.47	
			<i>For >500, Deduct</i>	-1.76	
05 05 23 00-0854	EA		3/8" Diameter x 3" Length, 304/18-8 Stainless Steel, Hex Head Bolt	7.07	
			<i>For >100 To 250, Deduct</i>	-1.17	
			<i>For >250 To 500, Deduct</i>	-1.47	
			<i>For >500, Deduct</i>	-1.76	
05 05 23 00-0855	EA		3/8" Diameter x 3-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	7.31	
			<i>For >100 To 250, Deduct</i>	-1.17	
			<i>For >250 To 500, Deduct</i>	-1.47	
			<i>For >500, Deduct</i>	-1.76	
05 05 23 00-0856	EA		3/8" Diameter x 4" Length, 304/18-8 Stainless Steel, Hex Head Bolt	7.69	
			<i>For >100 To 250, Deduct</i>	-1.20	
			<i>For >250 To 500, Deduct</i>	-1.51	
			<i>For >500, Deduct</i>	-1.81	
05 05 23 00-0857	EA		3/8" Diameter x 4-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	7.98	
			<i>For >100 To 250, Deduct</i>	-1.20	
			<i>For >250 To 500, Deduct</i>	-1.51	
			<i>For >500, Deduct</i>	-1.81	
05 05 23 00-0858	EA		3/8" Diameter x 5" Length, 304/18-8 Stainless Steel, Hex Head Bolt	8.62	
			<i>For >100 To 250, Deduct</i>	-1.20	
			<i>For >250 To 500, Deduct</i>	-1.51	
			<i>For >500, Deduct</i>	-1.81	
05 05 23 00-0859	EA		3/8" Diameter x 5-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	8.86	
			<i>For >100 To 250, Deduct</i>	-1.24	
			<i>For >250 To 500, Deduct</i>	-1.55	
			<i>For >500, Deduct</i>	-1.85	
05 05 23 00-0860	EA		3/8" Diameter x 6" Length, 304/18-8 Stainless Steel, Hex Head Bolt	9.38	
			<i>For >100 To 250, Deduct</i>	-1.24	
			<i>For >250 To 500, Deduct</i>	-1.55	
			<i>For >500, Deduct</i>	-1.85	
05 05 23 00-0861	EA		3/8" Diameter x 6-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	10.51	
			<i>For >100 To 250, Deduct</i>	-1.24	
			<i>For >250 To 500, Deduct</i>	-1.55	
			<i>For >500, Deduct</i>	-1.85	
05 05 23 00-0862	EA		3/8" Diameter x 7" Length, 304/18-8 Stainless Steel, Hex Head Bolt	10.94	
			<i>For >100 To 250, Deduct</i>	-1.27	
			<i>For >250 To 500, Deduct</i>	-1.59	
			<i>For >500, Deduct</i>	-1.91	
05 05 23 00-0863	EA		3/8" Diameter x 7-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	11.10	
			<i>For >100 To 250, Deduct</i>	-1.27	
			<i>For >250 To 500, Deduct</i>	-1.59	
			<i>For >500, Deduct</i>	-1.91	
05 05 23 00-0864	EA		3/8" Diameter x 8" Length, 304/18-8 Stainless Steel, Hex Head Bolt	12.22	
			<i>For >100 To 250, Deduct</i>	-1.27	
			<i>For >250 To 500, Deduct</i>	-1.59	
			<i>For >500, Deduct</i>	-1.91	
05 05 23 00-0865			7/16" Diameter, 304/18-8 Stainless Steel, Hex Head Bolts <small>(05 05 23 00-0815)</small>		
05 05 23 00-0866	EA		7/16" Diameter x 1" Length, 304/18-8 Stainless Steel, Hex Head Bolt	7.52	
			<i>For >100 To 250, Deduct</i>	-1.30	
			<i>For >250 To 500, Deduct</i>	-1.63	
			<i>For >500, Deduct</i>	-1.95	
05 05 23 00-0867	EA		7/16" Diameter x 1-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	7.60	
			<i>For >100 To 250, Deduct</i>	-1.30	
			<i>For >250 To 500, Deduct</i>	-1.63	
			<i>For >500, Deduct</i>	-1.95	
05 05 23 00-0868	EA		7/16" Diameter x 2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	7.90	
			<i>For >100 To 250, Deduct</i>	-1.30	
			<i>For >250 To 500, Deduct</i>	-1.63	
			<i>For >500, Deduct</i>	-1.95	
05 05 23 00-0869	EA		7/16" Diameter x 2-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	8.23	
			<i>For >100 To 250, Deduct</i>	-1.33	
			<i>For >250 To 500, Deduct</i>	-1.67	
			<i>For >500, Deduct</i>	-2.00	
05 05 23 00-0870	EA		7/16" Diameter x 3" Length, 304/18-8 Stainless Steel, Hex Head Bolt	8.59	
			<i>For >100 To 250, Deduct</i>	-1.33	
			<i>For >250 To 500, Deduct</i>	-1.67	
			<i>For >500, Deduct</i>	-2.00	
05 05 23 00-0871	EA		7/16" Diameter x 3-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	9.19	
			<i>For >100 To 250, Deduct</i>	-1.33	
			<i>For >250 To 500, Deduct</i>	-1.67	
			<i>For >500, Deduct</i>	-2.00	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0872	EA		7/16" Diameter x 4" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....9.63 <i>For >100 To 250, Deduct</i> <i>For >250 To 500, Deduct</i> <i>For >500, Deduct</i>	-1.37 -1.71 -2.05	
05 05 23 00-0873	EA		7/16" Diameter x 4-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....10.32 <i>For >100 To 250, Deduct</i> <i>For >250 To 500, Deduct</i> <i>For >500, Deduct</i>	-1.37 -1.71 -2.05	
05 05 23 00-0874	EA		7/16" Diameter x 5" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....10.63 <i>For >100 To 250, Deduct</i> <i>For >250 To 500, Deduct</i> <i>For >500, Deduct</i>	-1.37 -1.71 -2.05	
05 05 23 00-0875	EA		7/16" Diameter x 5-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....11.74 <i>For >100 To 250, Deduct</i> <i>For >250 To 500, Deduct</i> <i>For >500, Deduct</i>	-1.40 -1.75 -2.10	
05 05 23 00-0876	EA		7/16" Diameter x 6" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....12.81 <i>For >100 To 250, Deduct</i> <i>For >250 To 500, Deduct</i> <i>For >500, Deduct</i>	-1.40 -1.75 -2.10	
05 05 23 00-0877	EA		7/16" Diameter x 6-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....12.95 <i>For >100 To 250, Deduct</i> <i>For >250 To 500, Deduct</i> <i>For >500, Deduct</i>	-1.40 -1.75 -2.10	
05 05 23 00-0878	EA		7/16" Diameter x 7" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....13.24 <i>For >100 To 250, Deduct</i> <i>For >250 To 500, Deduct</i> <i>For >500, Deduct</i>	-1.43 -1.79 -2.15	
05 05 23 00-0879			1/2" Diameter, 304/18-8 Stainless Steel, Hex Head Bolts <small>(05 05 23 00-0815)</small> .....7.51		
05 05 23 00-0880	EA		1/2" Diameter x 1" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....7.51 <i>For >100 To 250, Deduct</i> <i>For >250 To 500, Deduct</i> <i>For >500, Deduct</i>	-1.30 -1.63 -1.95	
05 05 23 00-0881	EA		1/2" Diameter x 1-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....7.60 <i>For >100 To 250, Deduct</i> <i>For >250 To 500, Deduct</i> <i>For >500, Deduct</i>	-1.30 -1.63 -1.95	
05 05 23 00-0882	EA		1/2" Diameter x 2" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....8.07 <i>For >100 To 250, Deduct</i> <i>For >250 To 500, Deduct</i> <i>For >500, Deduct</i>	-1.30 -1.63 -1.95	
05 05 23 00-0883	EA		1/2" Diameter x 2-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....8.41 <i>For >100 To 250, Deduct</i> <i>For >250 To 500, Deduct</i> <i>For >500, Deduct</i>	-1.33 -1.67 -2.00	
05 05 23 00-0884	EA		1/2" Diameter x 3" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....8.84 <i>For >100 To 250, Deduct</i> <i>For >250 To 500, Deduct</i> <i>For >500, Deduct</i>	-1.33 -1.67 -2.00	
05 05 23 00-0885	EA		1/2" Diameter x 3-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....9.07 <i>For >100 To 250, Deduct</i> <i>For >250 To 500, Deduct</i> <i>For >500, Deduct</i>	-1.33 -1.67 -2.00	
05 05 23 00-0886	EA		1/2" Diameter x 4" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....9.52 <i>For >100 To 250, Deduct</i> <i>For >250 To 500, Deduct</i> <i>For >500, Deduct</i>	-1.37 -1.71 -2.05	
05 05 23 00-0887	EA		1/2" Diameter x 4-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....9.72 <i>For >100 To 250, Deduct</i> <i>For >250 To 500, Deduct</i> <i>For >500, Deduct</i>	-1.37 -1.71 -2.05	
05 05 23 00-0888	EA		1/2" Diameter x 5" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....10.83 <i>For >100 To 250, Deduct</i> <i>For >250 To 500, Deduct</i> <i>For >500, Deduct</i>	-1.37 -1.71 -2.05	
05 05 23 00-0889	EA		1/2" Diameter x 5-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....11.30 <i>For >100 To 250, Deduct</i> <i>For >250 To 500, Deduct</i> <i>For >500, Deduct</i>	-1.40 -1.75 -2.10	
05 05 23 00-0890	EA		1/2" Diameter x 6" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....11.80 <i>For >100 To 250, Deduct</i> <i>For >250 To 500, Deduct</i> <i>For >500, Deduct</i>	-1.40 -1.75 -2.10	
05 05 23 00-0891	EA		1/2" Diameter x 6-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....12.37 <i>For >100 To 250, Deduct</i> <i>For >250 To 500, Deduct</i> <i>For >500, Deduct</i>	-1.40 -1.75 -2.10	
05 05 23 00-0892	EA		1/2" Diameter x 7" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....13.37 <i>For >100 To 250, Deduct</i> <i>For >250 To 500, Deduct</i> <i>For >500, Deduct</i>	-1.43 -1.79 -2.15	

05 Metals**05 05 Common Work Results For Metals****05 05 23 Metal Fastenings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0893	EA		1/2" Diameter x 7-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	13.71	
			<i>For >100 To 250, Deduct</i>	-1.43	
			<i>For >250 To 500, Deduct</i>	-1.79	
			<i>For >500, Deduct</i>	-2.15	
05 05 23 00-0894	EA		1/2" Diameter x 8" Length, 304/18-8 Stainless Steel, Hex Head Bolt	14.25	
			<i>For >100 To 250, Deduct</i>	-1.43	
			<i>For >250 To 500, Deduct</i>	-1.79	
			<i>For >500, Deduct</i>	-2.15	
05 05 23 00-0895	EA		1/2" Diameter x 8-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	17.03	
			<i>For >100 To 250, Deduct</i>	-1.46	
			<i>For >250 To 500, Deduct</i>	-1.83	
			<i>For >500, Deduct</i>	-2.20	
05 05 23 00-0896	EA		1/2" Diameter x 9" Length, 304/18-8 Stainless Steel, Hex Head Bolt	17.24	
			<i>For >100 To 250, Deduct</i>	-1.46	
			<i>For >250 To 500, Deduct</i>	-1.83	
			<i>For >500, Deduct</i>	-2.20	
05 05 23 00-0897	EA		1/2" Diameter x 9-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	18.72	
			<i>For >100 To 250, Deduct</i>	-1.46	
			<i>For >250 To 500, Deduct</i>	-1.83	
			<i>For >500, Deduct</i>	-2.20	
05 05 23 00-0898	EA		1/2" Diameter x 10" Length, 304/18-8 Stainless Steel, Hex Head Bolt	20.19	
			<i>For >100 To 250, Deduct</i>	-1.46	
			<i>For >250 To 500, Deduct</i>	-1.83	
			<i>For >500, Deduct</i>	-2.20	
05 05 23 00-0899			9/16" Diameter, 304/18-8 Stainless Steel, Hex Head Bolts <small>(05 05 23 00-0815)</small>		
05 05 23 00-0900	EA		9/16" Diameter x 1" Length, 304/18-8 Stainless Steel, Hex Head Bolt	9.96	
			<i>For >100 To 250, Deduct</i>	-1.30	
			<i>For >250 To 500, Deduct</i>	-1.63	
			<i>For >500, Deduct</i>	-1.95	
05 05 23 00-0901	EA		9/16" Diameter x 1-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	10.93	
			<i>For >100 To 250, Deduct</i>	-1.30	
			<i>For >250 To 500, Deduct</i>	-1.63	
			<i>For >500, Deduct</i>	-1.95	
05 05 23 00-0902	EA		9/16" Diameter x 2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	12.63	
			<i>For >100 To 250, Deduct</i>	-1.30	
			<i>For >250 To 500, Deduct</i>	-1.63	
			<i>For >500, Deduct</i>	-1.95	
05 05 23 00-0903	EA		9/16" Diameter x 2-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	13.13	
			<i>For >100 To 250, Deduct</i>	-1.33	
			<i>For >250 To 500, Deduct</i>	-1.67	
			<i>For >500, Deduct</i>	-2.00	
05 05 23 00-0904	EA		9/16" Diameter x 3" Length, 304/18-8 Stainless Steel, Hex Head Bolt	13.73	
			<i>For >100 To 250, Deduct</i>	-1.33	
			<i>For >250 To 500, Deduct</i>	-1.67	
			<i>For >500, Deduct</i>	-2.00	
05 05 23 00-0905	EA		9/16" Diameter x 3-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	14.79	
			<i>For >100 To 250, Deduct</i>	-1.33	
			<i>For >250 To 500, Deduct</i>	-1.67	
			<i>For >500, Deduct</i>	-2.00	
05 05 23 00-0906	EA		9/16" Diameter x 4" Length, 304/18-8 Stainless Steel, Hex Head Bolt	16.50	
			<i>For >100 To 250, Deduct</i>	-1.37	
			<i>For >250 To 500, Deduct</i>	-1.71	
			<i>For >500, Deduct</i>	-2.05	
05 05 23 00-0907	EA		9/16" Diameter x 4-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	16.74	
			<i>For >100 To 250, Deduct</i>	-1.37	
			<i>For >250 To 500, Deduct</i>	-1.71	
			<i>For >500, Deduct</i>	-2.05	
05 05 23 00-0908	EA		9/16" Diameter x 5" Length, 304/18-8 Stainless Steel, Hex Head Bolt	18.97	
			<i>For >100 To 250, Deduct</i>	-1.37	
			<i>For >250 To 500, Deduct</i>	-1.71	
			<i>For >500, Deduct</i>	-2.05	
05 05 23 00-0909	EA		9/16" Diameter x 5-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	20.17	
			<i>For >100 To 250, Deduct</i>	-1.40	
			<i>For >250 To 500, Deduct</i>	-1.75	
			<i>For >500, Deduct</i>	-2.10	
05 05 23 00-0910	EA		9/16" Diameter x 6" Length, 304/18-8 Stainless Steel, Hex Head Bolt	21.36	
			<i>For >100 To 250, Deduct</i>	-1.40	
			<i>For >250 To 500, Deduct</i>	-1.75	
			<i>For >500, Deduct</i>	-2.10	
05 05 23 00-0911			5/8" Diameter, 304/18-8 Stainless Steel, Hex Head Bolts <small>(05 05 23 00-0815)</small>		
05 05 23 00-0912	EA		5/8" Diameter x 1" Length, 304/18-8 Stainless Steel, Hex Head Bolt	9.15	
			<i>For >100 To 250, Deduct</i>	-1.46	
			<i>For >250 To 500, Deduct</i>	-1.83	
			<i>For >500, Deduct</i>	-2.20	
05 05 23 00-0913	EA		5/8" Diameter x 1-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	9.37	
			<i>For >100 To 250, Deduct</i>	-1.46	
			<i>For >250 To 500, Deduct</i>	-1.83	
			<i>For >500, Deduct</i>	-2.20	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0914 EA 5/8" Diameter x 2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	10.29	
<i>For >100 To 250, Deduct</i>	-1.46	
<i>For >250 To 500, Deduct</i>	-1.83	
<i>For >500, Deduct</i>	-2.20	
05 05 23 00-0915 EA 5/8" Diameter x 2-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	10.61	
<i>For >100 To 250, Deduct</i>	-1.50	
<i>For >250 To 500, Deduct</i>	-1.87	
<i>For >500, Deduct</i>	-2.24	
05 05 23 00-0916 EA 5/8" Diameter x 3" Length, 304/18-8 Stainless Steel, Hex Head Bolt	11.05	
<i>For >100 To 250, Deduct</i>	-1.50	
<i>For >250 To 500, Deduct</i>	-1.87	
<i>For >500, Deduct</i>	-2.24	
05 05 23 00-0917 EA 5/8" Diameter x 3-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	11.68	
<i>For >100 To 250, Deduct</i>	-1.50	
<i>For >250 To 500, Deduct</i>	-1.87	
<i>For >500, Deduct</i>	-2.24	
05 05 23 00-0918 EA 5/8" Diameter x 4" Length, 304/18-8 Stainless Steel, Hex Head Bolt	12.64	
<i>For >100 To 250, Deduct</i>	-1.53	
<i>For >250 To 500, Deduct</i>	-1.91	
<i>For >500, Deduct</i>	-2.30	
05 05 23 00-0919 EA 5/8" Diameter x 4-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	12.65	
<i>For >100 To 250, Deduct</i>	-1.53	
<i>For >250 To 500, Deduct</i>	-1.91	
<i>For >500, Deduct</i>	-2.30	
05 05 23 00-0920 EA 5/8" Diameter x 5" Length, 304/18-8 Stainless Steel, Hex Head Bolt	13.35	
<i>For >100 To 250, Deduct</i>	-1.53	
<i>For >250 To 500, Deduct</i>	-1.91	
<i>For >500, Deduct</i>	-2.30	
05 05 23 00-0921 EA 5/8" Diameter x 5-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	13.91	
<i>For >100 To 250, Deduct</i>	-1.56	
<i>For >250 To 500, Deduct</i>	-1.95	
<i>For >500, Deduct</i>	-2.34	
05 05 23 00-0922 EA 5/8" Diameter x 6" Length, 304/18-8 Stainless Steel, Hex Head Bolt	14.55	
<i>For >100 To 250, Deduct</i>	-1.56	
<i>For >250 To 500, Deduct</i>	-1.95	
<i>For >500, Deduct</i>	-2.34	
05 05 23 00-0923 EA 5/8" Diameter x 6-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	16.88	
<i>For >100 To 250, Deduct</i>	-1.56	
<i>For >250 To 500, Deduct</i>	-1.95	
<i>For >500, Deduct</i>	-2.34	
05 05 23 00-0924 EA 5/8" Diameter x 7" Length, 304/18-8 Stainless Steel, Hex Head Bolt	18.31	
<i>For >100 To 250, Deduct</i>	-1.59	
<i>For >250 To 500, Deduct</i>	-1.99	
<i>For >500, Deduct</i>	-2.39	
05 05 23 00-0925 EA 5/8" Diameter x 7-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	19.37	
<i>For >100 To 250, Deduct</i>	-1.59	
<i>For >250 To 500, Deduct</i>	-1.99	
<i>For >500, Deduct</i>	-2.39	
05 05 23 00-0926 EA 5/8" Diameter x 8" Length, 304/18-8 Stainless Steel, Hex Head Bolt	19.84	
<i>For >100 To 250, Deduct</i>	-1.59	
<i>For >250 To 500, Deduct</i>	-1.99	
<i>For >500, Deduct</i>	-2.39	
05 05 23 00-0927 EA 5/8" Diameter x 8-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	21.95	
<i>For >100 To 250, Deduct</i>	-1.63	
<i>For >250 To 500, Deduct</i>	-2.03	
<i>For >500, Deduct</i>	-2.44	
05 05 23 00-0928 EA 5/8" Diameter x 9" Length, 304/18-8 Stainless Steel, Hex Head Bolt	22.57	
<i>For >100 To 250, Deduct</i>	-1.63	
<i>For >250 To 500, Deduct</i>	-2.03	
<i>For >500, Deduct</i>	-2.44	
05 05 23 00-0929 EA 5/8" Diameter x 9-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	25.34	
<i>For >100 To 250, Deduct</i>	-1.63	
<i>For >250 To 500, Deduct</i>	-2.03	
<i>For >500, Deduct</i>	-2.44	
05 05 23 00-0930 EA 5/8" Diameter x 10" Length, 304/18-8 Stainless Steel, Hex Head Bolt	26.48	
<i>For >100 To 250, Deduct</i>	-1.63	
<i>For >250 To 500, Deduct</i>	-2.03	
<i>For >500, Deduct</i>	-2.44	
05 05 23 00-0931 3/4" Diameter, 304/18-8 Stainless Steel, Hex Head Bolts <small>(05 05 23 00-0815)</small>		
05 05 23 00-0932 EA 3/4" Diameter x 1" Length, 304/18-8 Stainless Steel, Hex Head Bolt	10.16	
<i>For >100 To 250, Deduct</i>	-1.46	
<i>For >250 To 500, Deduct</i>	-1.83	
<i>For >500, Deduct</i>	-2.20	
05 05 23 00-0933 EA 3/4" Diameter x 1-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	10.59	
<i>For >100 To 250, Deduct</i>	-1.46	
<i>For >250 To 500, Deduct</i>	-1.83	
<i>For >500, Deduct</i>	-2.20	
05 05 23 00-0934 EA 3/4" Diameter x 2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	11.16	
<i>For >100 To 250, Deduct</i>	-1.46	
<i>For >250 To 500, Deduct</i>	-1.83	
<i>For >500, Deduct</i>	-2.20	

05 Metals**05 05 Common Work Results For Metals****05 05 23 Metal Fastenings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0935	EA		3/4" Diameter x 2-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	11.94	
			<i>For >100 To 250, Deduct</i>	-1.50	
			<i>For >250 To 500, Deduct</i>	-1.87	
			<i>For >500, Deduct</i>	-2.24	
05 05 23 00-0936	EA		3/4" Diameter x 3" Length, 304/18-8 Stainless Steel, Hex Head Bolt	12.57	
			<i>For >100 To 250, Deduct</i>	-1.50	
			<i>For >250 To 500, Deduct</i>	-1.87	
			<i>For >500, Deduct</i>	-2.24	
05 05 23 00-0937	EA		3/4" Diameter x 3-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	13.63	
			<i>For >100 To 250, Deduct</i>	-1.50	
			<i>For >250 To 500, Deduct</i>	-1.87	
			<i>For >500, Deduct</i>	-2.24	
05 05 23 00-0938	EA		3/4" Diameter x 4" Length, 304/18-8 Stainless Steel, Hex Head Bolt	14.43	
			<i>For >100 To 250, Deduct</i>	-1.53	
			<i>For >250 To 500, Deduct</i>	-1.91	
			<i>For >500, Deduct</i>	-2.30	
05 05 23 00-0939	EA		3/4" Diameter x 4-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	15.42	
			<i>For >100 To 250, Deduct</i>	-1.53	
			<i>For >250 To 500, Deduct</i>	-1.91	
			<i>For >500, Deduct</i>	-2.30	
05 05 23 00-0940	EA		3/4" Diameter x 5" Length, 304/18-8 Stainless Steel, Hex Head Bolt	16.21	
			<i>For >100 To 250, Deduct</i>	-1.53	
			<i>For >250 To 500, Deduct</i>	-1.91	
			<i>For >500, Deduct</i>	-2.30	
05 05 23 00-0941	EA		3/4" Diameter x 5-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	17.19	
			<i>For >100 To 250, Deduct</i>	-1.56	
			<i>For >250 To 500, Deduct</i>	-1.95	
			<i>For >500, Deduct</i>	-2.34	
05 05 23 00-0942	EA		3/4" Diameter x 6" Length, 304/18-8 Stainless Steel, Hex Head Bolt	18.10	
			<i>For >100 To 250, Deduct</i>	-1.56	
			<i>For >250 To 500, Deduct</i>	-1.95	
			<i>For >500, Deduct</i>	-2.34	
05 05 23 00-0943	EA		3/4" Diameter x 6-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	19.83	
			<i>For >100 To 250, Deduct</i>	-1.56	
			<i>For >250 To 500, Deduct</i>	-1.95	
			<i>For >500, Deduct</i>	-2.34	
05 05 23 00-0944	EA		3/4" Diameter x 7" Length, 304/18-8 Stainless Steel, Hex Head Bolt	24.57	
			<i>For >100 To 250, Deduct</i>	-1.59	
			<i>For >250 To 500, Deduct</i>	-1.99	
			<i>For >500, Deduct</i>	-2.39	
05 05 23 00-0945	EA		3/4" Diameter x 7-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	26.03	
			<i>For >100 To 250, Deduct</i>	-1.59	
			<i>For >250 To 500, Deduct</i>	-1.99	
			<i>For >500, Deduct</i>	-2.39	
05 05 23 00-0946	EA		3/4" Diameter x 8" Length, 304/18-8 Stainless Steel, Hex Head Bolt	29.16	
			<i>For >100 To 250, Deduct</i>	-1.59	
			<i>For >250 To 500, Deduct</i>	-1.99	
			<i>For >500, Deduct</i>	-2.39	
05 05 23 00-0947	EA		3/4" Diameter x 8-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	29.46	
			<i>For >100 To 250, Deduct</i>	-1.63	
			<i>For >250 To 500, Deduct</i>	-2.03	
			<i>For >500, Deduct</i>	-2.44	
05 05 23 00-0948	EA		3/4" Diameter x 9" Length, 304/18-8 Stainless Steel, Hex Head Bolt	29.96	
			<i>For >100 To 250, Deduct</i>	-1.63	
			<i>For >250 To 500, Deduct</i>	-2.03	
			<i>For >500, Deduct</i>	-2.44	
05 05 23 00-0949	EA		3/4" Diameter x 9-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	31.29	
			<i>For >100 To 250, Deduct</i>	-1.63	
			<i>For >250 To 500, Deduct</i>	-2.03	
			<i>For >500, Deduct</i>	-2.44	
05 05 23 00-0950	EA		3/4" Diameter x 10" Length, 304/18-8 Stainless Steel, Hex Head Bolt	32.32	
			<i>For >100 To 250, Deduct</i>	-1.63	
			<i>For >250 To 500, Deduct</i>	-2.03	
			<i>For >500, Deduct</i>	-2.44	
05 05 23 00-0951			7/8" Diameter, 304/18-8 Stainless Steel, Hex Head Bolts <small>(05 05 23 00-0815)</small>		
05 05 23 00-0952	EA		7/8" Diameter x 1-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	13.69	
			<i>For >100 To 250, Deduct</i>	-1.63	
			<i>For >250 To 500, Deduct</i>	-2.03	
			<i>For >500, Deduct</i>	-2.44	
05 05 23 00-0953	EA		7/8" Diameter x 2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	14.77	
			<i>For >100 To 250, Deduct</i>	-1.63	
			<i>For >250 To 500, Deduct</i>	-2.03	
			<i>For >500, Deduct</i>	-2.44	
05 05 23 00-0954	EA		7/8" Diameter x 2-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	15.76	
			<i>For >100 To 250, Deduct</i>	-1.66	
			<i>For >250 To 500, Deduct</i>	-2.08	
			<i>For >500, Deduct</i>	-2.49	
05 05 23 00-0955	EA		7/8" Diameter x 3" Length, 304/18-8 Stainless Steel, Hex Head Bolt	16.86	
			<i>For >100 To 250, Deduct</i>	-1.66	
			<i>For >250 To 500, Deduct</i>	-2.08	
			<i>For >500, Deduct</i>	-2.49	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0956 EA 7/8" Diameter x 3-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt.....	17.22	
<i>For >100 To 250, Deduct</i>	-1.66	
<i>For >250 To 500, Deduct</i>	-2.08	
<i>For >500, Deduct</i>	-2.49	
05 05 23 00-0957 EA 7/8" Diameter x 4" Length, 304/18-8 Stainless Steel, Hex Head Bolt.....	18.28	
<i>For >100 To 250, Deduct</i>	-1.69	
<i>For >250 To 500, Deduct</i>	-2.12	
<i>For >500, Deduct</i>	-2.54	
05 05 23 00-0958 EA 7/8" Diameter x 4-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt.....	18.63	
<i>For >100 To 250, Deduct</i>	-1.69	
<i>For >250 To 500, Deduct</i>	-2.12	
<i>For >500, Deduct</i>	-2.54	
05 05 23 00-0959 EA 7/8" Diameter x 5" Length, 304/18-8 Stainless Steel, Hex Head Bolt.....	21.01	
<i>For >100 To 250, Deduct</i>	-1.69	
<i>For >250 To 500, Deduct</i>	-2.12	
<i>For >500, Deduct</i>	-2.54	
05 05 23 00-0960 EA 7/8" Diameter x 5-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt.....	21.54	
<i>For >100 To 250, Deduct</i>	-1.73	
<i>For >250 To 500, Deduct</i>	-2.16	
<i>For >500, Deduct</i>	-2.59	
05 05 23 00-0961 EA 7/8" Diameter x 6" Length, 304/18-8 Stainless Steel, Hex Head Bolt.....	22.46	
<i>For >100 To 250, Deduct</i>	-1.73	
<i>For >250 To 500, Deduct</i>	-2.16	
<i>For >500, Deduct</i>	-2.59	
05 05 23 00-0962 EA 7/8" Diameter x 6-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt.....	27.52	
<i>For >100 To 250, Deduct</i>	-1.73	
<i>For >250 To 500, Deduct</i>	-2.16	
<i>For >500, Deduct</i>	-2.59	
05 05 23 00-0963 EA 7/8" Diameter x 7" Length, 304/18-8 Stainless Steel, Hex Head Bolt.....	29.61	
<i>For >100 To 250, Deduct</i>	-1.76	
<i>For >250 To 500, Deduct</i>	-2.20	
<i>For >500, Deduct</i>	-2.64	
05 05 23 00-0964 EA 7/8" Diameter x 7-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt.....	31.88	
<i>For >100 To 250, Deduct</i>	-1.76	
<i>For >250 To 500, Deduct</i>	-2.20	
<i>For >500, Deduct</i>	-2.64	
05 05 23 00-0965 EA 7/8" Diameter x 8" Length, 304/18-8 Stainless Steel, Hex Head Bolt.....	33.71	
<i>For >100 To 250, Deduct</i>	-1.76	
<i>For >250 To 500, Deduct</i>	-2.20	
<i>For >500, Deduct</i>	-2.64	
05 05 23 00-0966 EA 7/8" Diameter x 8-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt.....	39.42	
<i>For >100 To 250, Deduct</i>	-1.79	
<i>For >250 To 500, Deduct</i>	-2.24	
<i>For >500, Deduct</i>	-2.69	
05 05 23 00-0967 EA 7/8" Diameter x 9" Length, 304/18-8 Stainless Steel, Hex Head Bolt.....	43.87	
<i>For >100 To 250, Deduct</i>	-1.79	
<i>For >250 To 500, Deduct</i>	-2.24	
<i>For >500, Deduct</i>	-2.69	
05 05 23 00-0968 EA 7/8" Diameter x 9-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt.....	45.92	
<i>For >100 To 250, Deduct</i>	-1.79	
<i>For >250 To 500, Deduct</i>	-2.24	
<i>For >500, Deduct</i>	-2.69	
05 05 23 00-0969 EA 7/8" Diameter x 10" Length, 304/18-8 Stainless Steel, Hex Head Bolt.....	47.97	
<i>For >100 To 250, Deduct</i>	-1.79	
<i>For >250 To 500, Deduct</i>	-2.24	
<i>For >500, Deduct</i>	-2.69	
05 05 23 00-0970 1" Diameter, 304/18-8 Stainless Steel, Hex Head Bolts <small>(05 05 23 00-0815)</small>		
05 05 23 00-0971 EA 1" Diameter x 1-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt.....	16.31	
<i>For >100 To 250, Deduct</i>	-1.63	
<i>For >250 To 500, Deduct</i>	-2.03	
<i>For >500, Deduct</i>	-2.44	
05 05 23 00-0972 EA 1" Diameter x 2" Length, 304/18-8 Stainless Steel, Hex Head Bolt.....	17.10	
<i>For >100 To 250, Deduct</i>	-1.63	
<i>For >250 To 500, Deduct</i>	-2.03	
<i>For >500, Deduct</i>	-2.44	
05 05 23 00-0973 EA 1" Diameter x 2-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt.....	18.44	
<i>For >100 To 250, Deduct</i>	-1.66	
<i>For >250 To 500, Deduct</i>	-2.08	
<i>For >500, Deduct</i>	-2.49	
05 05 23 00-0974 EA 1" Diameter x 3" Length, 304/18-8 Stainless Steel, Hex Head Bolt.....	19.43	
<i>For >100 To 250, Deduct</i>	-1.66	
<i>For >250 To 500, Deduct</i>	-2.08	
<i>For >500, Deduct</i>	-2.49	
05 05 23 00-0975 EA 1" Diameter x 3-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt.....	21.07	
<i>For >100 To 250, Deduct</i>	-1.66	
<i>For >250 To 500, Deduct</i>	-2.08	
<i>For >500, Deduct</i>	-2.49	
05 05 23 00-0976 EA 1" Diameter x 4" Length, 304/18-8 Stainless Steel, Hex Head Bolt.....	23.06	
<i>For >100 To 250, Deduct</i>	-1.69	
<i>For >250 To 500, Deduct</i>	-2.12	
<i>For >500, Deduct</i>	-2.54	

05 Metals**05 05 Common Work Results For Metals****05 05 23 Metal Fastenings**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0977 EA 1" Diameter x 4-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	24.20	
For >100 To 250, Deduct	-1.69	
For >250 To 500, Deduct	-2.12	
For >500, Deduct	-2.54	
05 05 23 00-0978 EA 1" Diameter x 5" Length, 304/18-8 Stainless Steel, Hex Head Bolt	25.88	
For >100 To 250, Deduct	-1.69	
For >250 To 500, Deduct	-2.12	
For >500, Deduct	-2.54	
05 05 23 00-0979 EA 1" Diameter x 5-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	27.64	
For >100 To 250, Deduct	-1.73	
For >250 To 500, Deduct	-2.16	
For >500, Deduct	-2.59	
05 05 23 00-0980 EA 1" Diameter x 6" Length, 304/18-8 Stainless Steel, Hex Head Bolt	27.73	
For >100 To 250, Deduct	-1.73	
For >250 To 500, Deduct	-2.16	
For >500, Deduct	-2.59	
05 05 23 00-0981 EA 1" Diameter x 6-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	32.24	
For >100 To 250, Deduct	-1.73	
For >250 To 500, Deduct	-2.16	
For >500, Deduct	-2.59	
05 05 23 00-0982 EA 1" Diameter x 7" Length, 304/18-8 Stainless Steel, Hex Head Bolt	38.11	
For >100 To 250, Deduct	-1.76	
For >250 To 500, Deduct	-2.20	
For >500, Deduct	-2.64	
05 05 23 00-0983 EA 1" Diameter x 7-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	38.96	
For >100 To 250, Deduct	-1.76	
For >250 To 500, Deduct	-2.20	
For >500, Deduct	-2.64	
05 05 23 00-0984 EA 1" Diameter x 8" Length, 304/18-8 Stainless Steel, Hex Head Bolt	39.81	
For >100 To 250, Deduct	-1.76	
For >250 To 500, Deduct	-2.20	
For >500, Deduct	-2.64	
05 05 23 00-0985 EA 1" Diameter x 8-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	41.67	
For >100 To 250, Deduct	-1.79	
For >250 To 500, Deduct	-2.24	
For >500, Deduct	-2.69	
05 05 23 00-0986 EA 1" Diameter x 9" Length, 304/18-8 Stainless Steel, Hex Head Bolt	44.28	
For >100 To 250, Deduct	-1.79	
For >250 To 500, Deduct	-2.24	
For >500, Deduct	-2.69	
05 05 23 00-0987 EA 1" Diameter x 9-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	56.12	
For >100 To 250, Deduct	-1.79	
For >250 To 500, Deduct	-2.24	
For >500, Deduct	-2.69	
05 05 23 00-0988 EA 1" Diameter x 10" Length, 304/18-8 Stainless Steel, Hex Head Bolt	69.92	
For >100 To 250, Deduct	-1.79	
For >250 To 500, Deduct	-2.24	
For >500, Deduct	-2.69	
05 05 23 00-0989 316 Stainless Steel, Hex Head Bolts (05 05 23 00-0997)		
05 05 23 00-0990 1/4" Diameter, 316 Stainless Steel, Hex Head Bolts (05 05 23 00-0989)		
05 05 23 00-0991 EA 1/4" Diameter x 1/2" Length, 316 Stainless Steel, Hex Head Bolt	5.97	
For >100 To 250, Deduct	-1.14	
For >250 To 500, Deduct	-1.42	
For >500, Deduct	-1.71	
05 05 23 00-0992 EA 1/4" Diameter x 1" Length, 316 Stainless Steel, Hex Head Bolt	6.09	
For >100 To 250, Deduct	-1.14	
For >250 To 500, Deduct	-1.42	
For >500, Deduct	-1.71	
05 05 23 00-0993 EA 1/4" Diameter x 1-1/2" Length, 316 Stainless Steel, Hex Head Bolt	6.18	
For >100 To 250, Deduct	-1.14	
For >250 To 500, Deduct	-1.42	
For >500, Deduct	-1.71	
05 05 23 00-0994 EA 1/4" Diameter x 2" Length, 316 Stainless Steel, Hex Head Bolt	6.24	
For >100 To 250, Deduct	-1.14	
For >250 To 500, Deduct	-1.42	
For >500, Deduct	-1.71	
05 05 23 00-0995 EA 1/4" Diameter x 2-1/2" Length, 316 Stainless Steel, Hex Head Bolt	6.59	
For >100 To 250, Deduct	-1.17	
For >250 To 500, Deduct	-1.47	
For >500, Deduct	-1.76	
05 05 23 00-0996 EA 1/4" Diameter x 3" Length, 316 Stainless Steel, Hex Head Bolt	6.75	
For >100 To 250, Deduct	-1.17	
For >250 To 500, Deduct	-1.47	
For >500, Deduct	-1.76	
05 05 23 00-0997 EA 1/4" Diameter x 3-1/2" Length, 316 Stainless Steel, Hex Head Bolt	6.91	
For >100 To 250, Deduct	-1.17	
For >250 To 500, Deduct	-1.47	
For >500, Deduct	-1.76	
05 05 23 00-0998 EA 1/4" Diameter x 4" Length, 316 Stainless Steel, Hex Head Bolt	7.20	
For >100 To 250, Deduct	-1.20	
For >250 To 500, Deduct	-1.51	
For >500, Deduct	-1.81	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0999 EA 1/4" Diameter x 4-1/2" Length, 316 Stainless Steel, Hex Head Bolt	7.34	
<i>For >100 To 250, Deduct</i>	-1.20	
<i>For >250 To 500, Deduct</i>	-1.51	
<i>For >500, Deduct</i>	-1.81	
05 05 23 00-1000 EA 1/4" Diameter x 5" Length, 316 Stainless Steel, Hex Head Bolt	7.40	
<i>For >100 To 250, Deduct</i>	-1.20	
<i>For >250 To 500, Deduct</i>	-1.51	
<i>For >500, Deduct</i>	-1.81	
05 05 23 00-1001 EA 1/4" Diameter x 5-1/2" Length, 316 Stainless Steel, Hex Head Bolt	7.97	
<i>For >100 To 250, Deduct</i>	-1.24	
<i>For >250 To 500, Deduct</i>	-1.55	
<i>For >500, Deduct</i>	-1.85	
05 05 23 00-1002 EA 1/4" Diameter x 6" Length, 316 Stainless Steel, Hex Head Bolt	8.08	
<i>For >100 To 250, Deduct</i>	-1.24	
<i>For >250 To 500, Deduct</i>	-1.55	
<i>For >500, Deduct</i>	-1.85	
05 05 23 00-1003 EA 1/4" Diameter x 6-1/2" Length, 316 Stainless Steel, Hex Head Bolt	12.23	
<i>For >100 To 250, Deduct</i>	-1.24	
<i>For >250 To 500, Deduct</i>	-1.55	
<i>For >500, Deduct</i>	-1.85	
05 05 23 00-1004 EA 1/4" Diameter x 7" Length, 316 Stainless Steel, Hex Head Bolt	17.43	
<i>For >100 To 250, Deduct</i>	-1.27	
<i>For >250 To 500, Deduct</i>	-1.59	
<i>For >500, Deduct</i>	-1.91	
05 05 23 00-1005 EA 1/4" Diameter x 7-1/2" Length, 316 Stainless Steel, Hex Head Bolt	28.49	
<i>For >100 To 250, Deduct</i>	-1.27	
<i>For >250 To 500, Deduct</i>	-1.59	
<i>For >500, Deduct</i>	-1.91	
05 05 23 00-1006 EA 1/4" Diameter x 8" Length, 316 Stainless Steel, Hex Head Bolt	31.02	
<i>For >100 To 250, Deduct</i>	-1.27	
<i>For >250 To 500, Deduct</i>	-1.59	
<i>For >500, Deduct</i>	-1.91	
05 05 23 00-1007 5/16" Diameter, 316 Stainless Steel, Hex Head Bolts (05 05 23 00-0999)		
05 05 23 00-1008 EA 5/16" Diameter x 1/2" Length, 316 Stainless Steel, Hex Head Bolt	6.14	
<i>For >100 To 250, Deduct</i>	-1.14	
<i>For >250 To 500, Deduct</i>	-1.42	
<i>For >500, Deduct</i>	-1.71	
05 05 23 00-1009 EA 5/16" Diameter x 1" Length, 316 Stainless Steel, Hex Head Bolt	6.28	
<i>For >100 To 250, Deduct</i>	-1.14	
<i>For >250 To 500, Deduct</i>	-1.42	
<i>For >500, Deduct</i>	-1.71	
05 05 23 00-1010 EA 5/16" Diameter x 1-1/2" Length, 316 Stainless Steel, Hex Head Bolt	6.51	
<i>For >100 To 250, Deduct</i>	-1.14	
<i>For >250 To 500, Deduct</i>	-1.42	
<i>For >500, Deduct</i>	-1.71	
05 05 23 00-1011 EA 5/16" Diameter x 2" Length, 316 Stainless Steel, Hex Head Bolt	6.69	
<i>For >100 To 250, Deduct</i>	-1.14	
<i>For >250 To 500, Deduct</i>	-1.42	
<i>For >500, Deduct</i>	-1.71	
05 05 23 00-1012 EA 5/16" Diameter x 2-1/2" Length, 316 Stainless Steel, Hex Head Bolt	6.94	
<i>For >100 To 250, Deduct</i>	-1.17	
<i>For >250 To 500, Deduct</i>	-1.47	
<i>For >500, Deduct</i>	-1.76	
05 05 23 00-1013 EA 5/16" Diameter x 3" Length, 316 Stainless Steel, Hex Head Bolt	7.30	
<i>For >100 To 250, Deduct</i>	-1.17	
<i>For >250 To 500, Deduct</i>	-1.47	
<i>For >500, Deduct</i>	-1.76	
05 05 23 00-1014 EA 5/16" Diameter x 3-1/2" Length, 316 Stainless Steel, Hex Head Bolt	7.56	
<i>For >100 To 250, Deduct</i>	-1.17	
<i>For >250 To 500, Deduct</i>	-1.47	
<i>For >500, Deduct</i>	-1.76	
05 05 23 00-1015 EA 5/16" Diameter x 4" Length, 316 Stainless Steel, Hex Head Bolt	7.83	
<i>For >100 To 250, Deduct</i>	-1.20	
<i>For >250 To 500, Deduct</i>	-1.51	
<i>For >500, Deduct</i>	-1.81	
05 05 23 00-1016 EA 5/16" Diameter x 4-1/2" Length, 316 Stainless Steel, Hex Head Bolt	8.37	
<i>For >100 To 250, Deduct</i>	-1.20	
<i>For >250 To 500, Deduct</i>	-1.51	
<i>For >500, Deduct</i>	-1.81	
05 05 23 00-1017 EA 5/16" Diameter x 5" Length, 316 Stainless Steel, Hex Head Bolt	8.48	
<i>For >100 To 250, Deduct</i>	-1.20	
<i>For >250 To 500, Deduct</i>	-1.51	
<i>For >500, Deduct</i>	-1.81	
05 05 23 00-1018 EA 5/16" Diameter x 5-1/2" Length, 316 Stainless Steel, Hex Head Bolt	9.03	
<i>For >100 To 250, Deduct</i>	-1.24	
<i>For >250 To 500, Deduct</i>	-1.55	
<i>For >500, Deduct</i>	-1.85	
05 05 23 00-1019 EA 5/16" Diameter x 6" Length, 316 Stainless Steel, Hex Head Bolt	9.45	
<i>For >100 To 250, Deduct</i>	-1.24	
<i>For >250 To 500, Deduct</i>	-1.55	
<i>For >500, Deduct</i>	-1.85	

05 Metals**05 05 Common Work Results For Metals****05 05 23 Metal Fastenings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-1020	EA		5/16" Diameter x 6-1/2" Length, 316 Stainless Steel, Hex Head Bolt	12.98	
			<i>For >100 To 250, Deduct</i>	-1.24	
			<i>For >250 To 500, Deduct</i>	-1.55	
			<i>For >500, Deduct</i>	-1.85	
05 05 23 00-1021	EA		5/16" Diameter x 7" Length, 316 Stainless Steel, Hex Head Bolt.....	18.16	
			<i>For >100 To 250, Deduct</i>	-1.27	
			<i>For >250 To 500, Deduct</i>	-1.59	
			<i>For >500, Deduct</i>	-1.91	
05 05 23 00-1022			3/8" Diameter, 316 Stainless Steel, Hex Head Bolts <small>(05 05 23 00-0989)</small>		
05 05 23 00-1023	EA		3/8" Diameter x 1/2" Length, 316 Stainless Steel, Hex Head Bolt.....	6.51	
			<i>For >100 To 250, Deduct</i>	-1.14	
			<i>For >250 To 500, Deduct</i>	-1.42	
			<i>For >500, Deduct</i>	-1.71	
05 05 23 00-1024	EA		3/8" Diameter x 1" Length, 316 Stainless Steel, Hex Head Bolt.....	6.57	
			<i>For >100 To 250, Deduct</i>	-1.14	
			<i>For >250 To 500, Deduct</i>	-1.42	
			<i>For >500, Deduct</i>	-1.71	
05 05 23 00-1025	EA		3/8" Diameter x 1-1/2" Length, 316 Stainless Steel, Hex Head Bolt	6.79	
			<i>For >100 To 250, Deduct</i>	-1.14	
			<i>For >250 To 500, Deduct</i>	-1.42	
			<i>For >500, Deduct</i>	-1.71	
05 05 23 00-1026	EA		3/8" Diameter x 2" Length, 316 Stainless Steel, Hex Head Bolt.....	7.31	
			<i>For >100 To 250, Deduct</i>	-1.14	
			<i>For >250 To 500, Deduct</i>	-1.42	
			<i>For >500, Deduct</i>	-1.71	
05 05 23 00-1027	EA		3/8" Diameter x 2-1/2" Length, 316 Stainless Steel, Hex Head Bolt	7.67	
			<i>For >100 To 250, Deduct</i>	-1.17	
			<i>For >250 To 500, Deduct</i>	-1.47	
			<i>For >500, Deduct</i>	-1.76	
05 05 23 00-1028	EA		3/8" Diameter x 3" Length, 316 Stainless Steel, Hex Head Bolt.....	7.76	
			<i>For >100 To 250, Deduct</i>	-1.17	
			<i>For >250 To 500, Deduct</i>	-1.47	
			<i>For >500, Deduct</i>	-1.76	
05 05 23 00-1029	EA		3/8" Diameter x 3-1/2" Length, 316 Stainless Steel, Hex Head Bolt	8.22	
			<i>For >100 To 250, Deduct</i>	-1.17	
			<i>For >250 To 500, Deduct</i>	-1.47	
			<i>For >500, Deduct</i>	-1.76	
05 05 23 00-1030	EA		3/8" Diameter x 4" Length, 316 Stainless Steel, Hex Head Bolt.....	8.45	
			<i>For >100 To 250, Deduct</i>	-1.20	
			<i>For >250 To 500, Deduct</i>	-1.51	
			<i>For >500, Deduct</i>	-1.81	
05 05 23 00-1031	EA		3/8" Diameter x 4-1/2" Length, 316 Stainless Steel, Hex Head Bolt	8.74	
			<i>For >100 To 250, Deduct</i>	-1.20	
			<i>For >250 To 500, Deduct</i>	-1.51	
			<i>For >500, Deduct</i>	-1.81	
05 05 23 00-1032	EA		3/8" Diameter x 5" Length, 316 Stainless Steel, Hex Head Bolt.....	8.94	
			<i>For >100 To 250, Deduct</i>	-1.20	
			<i>For >250 To 500, Deduct</i>	-1.51	
			<i>For >500, Deduct</i>	-1.81	
05 05 23 00-1033	EA		3/8" Diameter x 5-1/2" Length, 316 Stainless Steel, Hex Head Bolt	9.73	
			<i>For >100 To 250, Deduct</i>	-1.24	
			<i>For >250 To 500, Deduct</i>	-1.55	
			<i>For >500, Deduct</i>	-1.85	
05 05 23 00-1034	EA		3/8" Diameter x 6" Length, 316 Stainless Steel, Hex Head Bolt.....	10.51	
			<i>For >100 To 250, Deduct</i>	-1.24	
			<i>For >250 To 500, Deduct</i>	-1.55	
			<i>For >500, Deduct</i>	-1.85	
05 05 23 00-1035	EA		3/8" Diameter x 6-1/2" Length, 316 Stainless Steel, Hex Head Bolt	10.54	
			<i>For >100 To 250, Deduct</i>	-1.24	
			<i>For >250 To 500, Deduct</i>	-1.55	
			<i>For >500, Deduct</i>	-1.85	
05 05 23 00-1036	EA		3/8" Diameter x 7" Length, 316 Stainless Steel, Hex Head Bolt.....	12.67	
			<i>For >100 To 250, Deduct</i>	-1.27	
			<i>For >250 To 500, Deduct</i>	-1.59	
			<i>For >500, Deduct</i>	-1.91	
05 05 23 00-1037	EA		3/8" Diameter x 7-1/2" Length, 316 Stainless Steel, Hex Head Bolt	15.87	
			<i>For >100 To 250, Deduct</i>	-1.27	
			<i>For >250 To 500, Deduct</i>	-1.59	
			<i>For >500, Deduct</i>	-1.91	
05 05 23 00-1038	EA		3/8" Diameter x 8" Length, 316 Stainless Steel, Hex Head Bolt.....	19.32	
			<i>For >100 To 250, Deduct</i>	-1.27	
			<i>For >250 To 500, Deduct</i>	-1.59	
			<i>For >500, Deduct</i>	-1.91	
05 05 23 00-1039			7/16" Diameter, 316 Stainless Steel, Hex Head Bolts <small>(05 05 23 00-0989)</small>		
05 05 23 00-1040	EA		7/16" Diameter x 1" Length, 316 Stainless Steel, Hex Head Bolt.....	8.21	
			<i>For >100 To 250, Deduct</i>	-1.30	
			<i>For >250 To 500, Deduct</i>	-1.63	
			<i>For >500, Deduct</i>	-1.95	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-1041 EA 7/16" Diameter x 1-1/2" Length, 316 Stainless Steel, Hex Head Bolt	8.54	
<i>For >100 To 250, Deduct</i>	-1.30	
<i>For >250 To 500, Deduct</i>	-1.63	
<i>For >500, Deduct</i>	-1.95	
05 05 23 00-1042 EA 7/16" Diameter x 2" Length, 316 Stainless Steel, Hex Head Bolt	9.16	
<i>For >100 To 250, Deduct</i>	-1.30	
<i>For >250 To 500, Deduct</i>	-1.63	
<i>For >500, Deduct</i>	-1.95	
05 05 23 00-1043 EA 7/16" Diameter x 2-1/2" Length, 316 Stainless Steel, Hex Head Bolt	9.86	
<i>For >100 To 250, Deduct</i>	-1.33	
<i>For >250 To 500, Deduct</i>	-1.67	
<i>For >500, Deduct</i>	-2.00	
05 05 23 00-1044 EA 7/16" Diameter x 3" Length, 316 Stainless Steel, Hex Head Bolt	10.45	
<i>For >100 To 250, Deduct</i>	-1.33	
<i>For >250 To 500, Deduct</i>	-1.67	
<i>For >500, Deduct</i>	-2.00	
05 05 23 00-1045 EA 7/16" Diameter x 3-1/2" Length, 316 Stainless Steel, Hex Head Bolt	11.43	
<i>For >100 To 250, Deduct</i>	-1.33	
<i>For >250 To 500, Deduct</i>	-1.67	
<i>For >500, Deduct</i>	-2.00	
05 05 23 00-1046 EA 7/16" Diameter x 4" Length, 316 Stainless Steel, Hex Head Bolt	12.53	
<i>For >100 To 250, Deduct</i>	-1.37	
<i>For >250 To 500, Deduct</i>	-1.71	
<i>For >500, Deduct</i>	-2.05	
05 05 23 00-1047 EA 7/16" Diameter x 4-1/2" Length, 316 Stainless Steel, Hex Head Bolt	12.70	
<i>For >100 To 250, Deduct</i>	-1.37	
<i>For >250 To 500, Deduct</i>	-1.71	
<i>For >500, Deduct</i>	-2.05	
05 05 23 00-1048 EA 7/16" Diameter x 5" Length, 316 Stainless Steel, Hex Head Bolt	13.06	
<i>For >100 To 250, Deduct</i>	-1.37	
<i>For >250 To 500, Deduct</i>	-1.71	
<i>For >500, Deduct</i>	-2.05	
05 05 23 00-1049 EA 7/16" Diameter x 5-1/2" Length, 316 Stainless Steel, Hex Head Bolt	13.46	
<i>For >100 To 250, Deduct</i>	-1.40	
<i>For >250 To 500, Deduct</i>	-1.75	
<i>For >500, Deduct</i>	-2.10	
05 05 23 00-1050 EA 7/16" Diameter x 6" Length, 316 Stainless Steel, Hex Head Bolt	13.71	
<i>For >100 To 250, Deduct</i>	-1.40	
<i>For >250 To 500, Deduct</i>	-1.75	
<i>For >500, Deduct</i>	-2.10	
05 05 23 00-1051 EA 7/16" Diameter x 6-1/2" Length, 316 Stainless Steel, Hex Head Bolt	13.97	
<i>For >100 To 250, Deduct</i>	-1.40	
<i>For >250 To 500, Deduct</i>	-1.75	
<i>For >500, Deduct</i>	-2.10	
05 05 23 00-1052 EA 7/16" Diameter x 7" Length, 316 Stainless Steel, Hex Head Bolt	14.33	
<i>For >100 To 250, Deduct</i>	-1.43	
<i>For >250 To 500, Deduct</i>	-1.79	
<i>For >500, Deduct</i>	-2.15	
05 05 23 00-1053 1/2" Diameter, 316 Stainless Steel, Hex Head Bolts (05 05 23 00-0989)	8.19	
<i>For >100 To 250, Deduct</i>	-1.30	
<i>For >250 To 500, Deduct</i>	-1.63	
<i>For >500, Deduct</i>	-1.95	
05 05 23 00-1055 EA 1/2" Diameter x 1-1/2" Length, 316 Stainless Steel, Hex Head Bolt	8.55	
<i>For >100 To 250, Deduct</i>	-1.30	
<i>For >250 To 500, Deduct</i>	-1.63	
<i>For >500, Deduct</i>	-1.95	
05 05 23 00-1056 EA 1/2" Diameter x 2" Length, 316 Stainless Steel, Hex Head Bolt	9.05	
<i>For >100 To 250, Deduct</i>	-1.30	
<i>For >250 To 500, Deduct</i>	-1.63	
<i>For >500, Deduct</i>	-1.95	
05 05 23 00-1057 EA 1/2" Diameter x 2-1/2" Length, 316 Stainless Steel, Hex Head Bolt	9.81	
<i>For >100 To 250, Deduct</i>	-1.33	
<i>For >250 To 500, Deduct</i>	-1.67	
<i>For >500, Deduct</i>	-2.00	
05 05 23 00-1058 EA 1/2" Diameter x 3" Length, 316 Stainless Steel, Hex Head Bolt	10.36	
<i>For >100 To 250, Deduct</i>	-1.33	
<i>For >250 To 500, Deduct</i>	-1.67	
<i>For >500, Deduct</i>	-2.00	
05 05 23 00-1059 EA 1/2" Diameter x 3-1/2" Length, 316 Stainless Steel, Hex Head Bolt	10.49	
<i>For >100 To 250, Deduct</i>	-1.33	
<i>For >250 To 500, Deduct</i>	-1.67	
<i>For >500, Deduct</i>	-2.00	
05 05 23 00-1060 EA 1/2" Diameter x 4" Length, 316 Stainless Steel, Hex Head Bolt	10.89	
<i>For >100 To 250, Deduct</i>	-1.37	
<i>For >250 To 500, Deduct</i>	-1.71	
<i>For >500, Deduct</i>	-2.05	
05 05 23 00-1061 EA 1/2" Diameter x 4-1/2" Length, 316 Stainless Steel, Hex Head Bolt	11.96	
<i>For >100 To 250, Deduct</i>	-1.37	
<i>For >250 To 500, Deduct</i>	-1.71	
<i>For >500, Deduct</i>	-2.05	

05 Metals**05 05 Common Work Results For Metals****05 05 23 Metal Fastenings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-1062	EA		1/2" Diameter x 5" Length, 316 Stainless Steel, Hex Head Bolt.....	14.12	
			<i>For >100 To 250, Deduct</i>	-1.37	
			<i>For >250 To 500, Deduct</i>	-1.71	
			<i>For >500, Deduct</i>	-2.05	
05 05 23 00-1063	EA		1/2" Diameter x 5-1/2" Length, 316 Stainless Steel, Hex Head Bolt	14.44	
			<i>For >100 To 250, Deduct</i>	-1.40	
			<i>For >250 To 500, Deduct</i>	-1.75	
			<i>For >500, Deduct</i>	-2.10	
05 05 23 00-1064	EA		1/2" Diameter x 6" Length, 316 Stainless Steel, Hex Head Bolt.....	14.78	
			<i>For >100 To 250, Deduct</i>	-1.40	
			<i>For >250 To 500, Deduct</i>	-1.75	
			<i>For >500, Deduct</i>	-2.10	
05 05 23 00-1065	EA		1/2" Diameter x 6-1/2" Length, 316 Stainless Steel, Hex Head Bolt	17.45	
			<i>For >100 To 250, Deduct</i>	-1.40	
			<i>For >250 To 500, Deduct</i>	-1.75	
			<i>For >500, Deduct</i>	-2.10	
05 05 23 00-1066	EA		1/2" Diameter x 7" Length, 316 Stainless Steel, Hex Head Bolt.....	19.39	
			<i>For >100 To 250, Deduct</i>	-1.43	
			<i>For >250 To 500, Deduct</i>	-1.79	
			<i>For >500, Deduct</i>	-2.15	
05 05 23 00-1067	EA		1/2" Diameter x 7-1/2" Length, 316 Stainless Steel, Hex Head Bolt	20.55	
			<i>For >100 To 250, Deduct</i>	-1.43	
			<i>For >250 To 500, Deduct</i>	-1.79	
			<i>For >500, Deduct</i>	-2.15	
05 05 23 00-1068	EA		1/2" Diameter x 8" Length, 316 Stainless Steel, Hex Head Bolt.....	22.46	
			<i>For >100 To 250, Deduct</i>	-1.43	
			<i>For >250 To 500, Deduct</i>	-1.79	
			<i>For >500, Deduct</i>	-2.15	
05 05 23 00-1069	EA		1/2" Diameter x 8-1/2" Length, 316 Stainless Steel, Hex Head Bolt	27.68	
			<i>For >100 To 250, Deduct</i>	-1.46	
			<i>For >250 To 500, Deduct</i>	-1.83	
			<i>For >500, Deduct</i>	-2.20	
05 05 23 00-1070	EA		1/2" Diameter x 9" Length, 316 Stainless Steel, Hex Head Bolt.....	30.94	
			<i>For >100 To 250, Deduct</i>	-1.46	
			<i>For >250 To 500, Deduct</i>	-1.83	
			<i>For >500, Deduct</i>	-2.20	
05 05 23 00-1071	EA		1/2" Diameter x 9-1/2" Length, 316 Stainless Steel, Hex Head Bolt	31.48	
			<i>For >100 To 250, Deduct</i>	-1.46	
			<i>For >250 To 500, Deduct</i>	-1.83	
			<i>For >500, Deduct</i>	-2.20	
05 05 23 00-1072	EA		1/2" Diameter x 10" Length, 316 Stainless Steel, Hex Head Bolt.....	32.31	
			<i>For >100 To 250, Deduct</i>	-1.46	
			<i>For >250 To 500, Deduct</i>	-1.83	
			<i>For >500, Deduct</i>	-2.20	
05 05 23 00-1073			9/16" Diameter, 316 Stainless Steel, Hex Head Bolts (05 05 23 00-0989)		
05 05 23 00-1074	EA		9/16" Diameter x 1" Length, 316 Stainless Steel, Hex Head Bolt.....	17.13	
			<i>For >100 To 250, Deduct</i>	-1.30	
			<i>For >250 To 500, Deduct</i>	-1.63	
			<i>For >500, Deduct</i>	-1.95	
05 05 23 00-1075	EA		9/16" Diameter x 1-1/2" Length, 316 Stainless Steel, Hex Head Bolt	18.31	
			<i>For >100 To 250, Deduct</i>	-1.30	
			<i>For >250 To 500, Deduct</i>	-1.63	
			<i>For >500, Deduct</i>	-1.95	
05 05 23 00-1076	EA		9/16" Diameter x 2" Length, 316 Stainless Steel, Hex Head Bolt.....	22.23	
			<i>For >100 To 250, Deduct</i>	-1.30	
			<i>For >250 To 500, Deduct</i>	-1.63	
			<i>For >500, Deduct</i>	-1.95	
05 05 23 00-1077	EA		9/16" Diameter x 2-1/2" Length, 316 Stainless Steel, Hex Head Bolt	24.60	
			<i>For >100 To 250, Deduct</i>	-1.33	
			<i>For >250 To 500, Deduct</i>	-1.67	
			<i>For >500, Deduct</i>	-2.00	
05 05 23 00-1078	EA		9/16" Diameter x 3" Length, 316 Stainless Steel, Hex Head Bolt.....	26.92	
			<i>For >100 To 250, Deduct</i>	-1.33	
			<i>For >250 To 500, Deduct</i>	-1.67	
			<i>For >500, Deduct</i>	-2.00	
05 05 23 00-1079	EA		9/16" Diameter x 3-1/2" Length, 316 Stainless Steel, Hex Head Bolt	29.24	
			<i>For >100 To 250, Deduct</i>	-1.33	
			<i>For >250 To 500, Deduct</i>	-1.67	
			<i>For >500, Deduct</i>	-2.00	
05 05 23 00-1080	EA		9/16" Diameter x 4" Length, 316 Stainless Steel, Hex Head Bolt.....	30.85	
			<i>For >100 To 250, Deduct</i>	-1.37	
			<i>For >250 To 500, Deduct</i>	-1.71	
			<i>For >500, Deduct</i>	-2.05	
05 05 23 00-1081	EA		9/16" Diameter x 4-1/2" Length, 316 Stainless Steel, Hex Head Bolt	32.76	
			<i>For >100 To 250, Deduct</i>	-1.37	
			<i>For >250 To 500, Deduct</i>	-1.71	
			<i>For >500, Deduct</i>	-2.05	
05 05 23 00-1082	EA		9/16" Diameter x 5" Length, 316 Stainless Steel, Hex Head Bolt.....	34.46	
			<i>For >100 To 250, Deduct</i>	-1.37	
			<i>For >250 To 500, Deduct</i>	-1.71	
			<i>For >500, Deduct</i>	-2.05	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-1083 EA 9/16" Diameter x 5-1/2" Length, 316 Stainless Steel, Hex Head Bolt	35.13	
<i>For >100 To 250, Deduct</i>	-1.40	
<i>For >250 To 500, Deduct</i>	-1.75	
<i>For >500, Deduct</i>	-2.10	
05 05 23 00-1084 EA 9/16" Diameter x 6" Length, 316 Stainless Steel, Hex Head Bolt	36.63	
<i>For >100 To 250, Deduct</i>	-1.40	
<i>For >250 To 500, Deduct</i>	-1.75	
<i>For >500, Deduct</i>	-2.10	
05 05 23 00-1085 5/8" Diameter, 316 Stainless Steel, Hex Head Bolts <small>(05 05 23 00-0989)</small>		
05 05 23 00-1086 EA 5/8" Diameter x 1" Length, 316 Stainless Steel, Hex Head Bolt	10.82	
<i>For >100 To 250, Deduct</i>	-1.46	
<i>For >250 To 500, Deduct</i>	-1.83	
<i>For >500, Deduct</i>	-2.20	
05 05 23 00-1087 EA 5/8" Diameter x 1-1/2" Length, 316 Stainless Steel, Hex Head Bolt	10.92	
<i>For >100 To 250, Deduct</i>	-1.46	
<i>For >250 To 500, Deduct</i>	-1.83	
<i>For >500, Deduct</i>	-2.20	
05 05 23 00-1088 EA 5/8" Diameter x 2" Length, 316 Stainless Steel, Hex Head Bolt	10.96	
<i>For >100 To 250, Deduct</i>	-1.46	
<i>For >250 To 500, Deduct</i>	-1.83	
<i>For >500, Deduct</i>	-2.20	
05 05 23 00-1089 EA 5/8" Diameter x 2-1/2" Length, 316 Stainless Steel, Hex Head Bolt	11.79	
<i>For >100 To 250, Deduct</i>	-1.50	
<i>For >250 To 500, Deduct</i>	-1.87	
<i>For >500, Deduct</i>	-2.24	
05 05 23 00-1090 EA 5/8" Diameter x 3" Length, 316 Stainless Steel, Hex Head Bolt	12.48	
<i>For >100 To 250, Deduct</i>	-1.50	
<i>For >250 To 500, Deduct</i>	-1.87	
<i>For >500, Deduct</i>	-2.24	
05 05 23 00-1091 EA 5/8" Diameter x 3-1/2" Length, 316 Stainless Steel, Hex Head Bolt	14.66	
<i>For >100 To 250, Deduct</i>	-1.50	
<i>For >250 To 500, Deduct</i>	-1.87	
<i>For >500, Deduct</i>	-2.24	
05 05 23 00-1092 EA 5/8" Diameter x 4" Length, 316 Stainless Steel, Hex Head Bolt	15.29	
<i>For >100 To 250, Deduct</i>	-1.53	
<i>For >250 To 500, Deduct</i>	-1.91	
<i>For >500, Deduct</i>	-2.30	
05 05 23 00-1093 EA 5/8" Diameter x 4-1/2" Length, 316 Stainless Steel, Hex Head Bolt	17.20	
<i>For >100 To 250, Deduct</i>	-1.53	
<i>For >250 To 500, Deduct</i>	-1.91	
<i>For >500, Deduct</i>	-2.30	
05 05 23 00-1094 EA 5/8" Diameter x 5" Length, 316 Stainless Steel, Hex Head Bolt	17.87	
<i>For >100 To 250, Deduct</i>	-1.53	
<i>For >250 To 500, Deduct</i>	-1.91	
<i>For >500, Deduct</i>	-2.30	
05 05 23 00-1095 EA 5/8" Diameter x 5-1/2" Length, 316 Stainless Steel, Hex Head Bolt	19.28	
<i>For >100 To 250, Deduct</i>	-1.56	
<i>For >250 To 500, Deduct</i>	-1.95	
<i>For >500, Deduct</i>	-2.34	
05 05 23 00-1096 EA 5/8" Diameter x 6" Length, 316 Stainless Steel, Hex Head Bolt	19.83	
<i>For >100 To 250, Deduct</i>	-1.56	
<i>For >250 To 500, Deduct</i>	-1.95	
<i>For >500, Deduct</i>	-2.34	
05 05 23 00-1097 EA 5/8" Diameter x 6-1/2" Length, 316 Stainless Steel, Hex Head Bolt	23.18	
<i>For >100 To 250, Deduct</i>	-1.56	
<i>For >250 To 500, Deduct</i>	-1.95	
<i>For >500, Deduct</i>	-2.34	
05 05 23 00-1098 EA 5/8" Diameter x 7" Length, 316 Stainless Steel, Hex Head Bolt	24.54	
<i>For >100 To 250, Deduct</i>	-1.59	
<i>For >250 To 500, Deduct</i>	-1.99	
<i>For >500, Deduct</i>	-2.39	
05 05 23 00-1099 EA 5/8" Diameter x 7-1/2" Length, 316 Stainless Steel, Hex Head Bolt	24.97	
<i>For >100 To 250, Deduct</i>	-1.59	
<i>For >250 To 500, Deduct</i>	-1.99	
<i>For >500, Deduct</i>	-2.39	
05 05 23 00-1100 EA 5/8" Diameter x 8" Length, 316 Stainless Steel, Hex Head Bolt	26.53	
<i>For >100 To 250, Deduct</i>	-1.59	
<i>For >250 To 500, Deduct</i>	-1.99	
<i>For >500, Deduct</i>	-2.39	
05 05 23 00-1101 EA 5/8" Diameter x 8-1/2" Length, 316 Stainless Steel, Hex Head Bolt	28.10	
<i>For >100 To 250, Deduct</i>	-1.63	
<i>For >250 To 500, Deduct</i>	-2.03	
<i>For >500, Deduct</i>	-2.44	
05 05 23 00-1102 EA 5/8" Diameter x 9" Length, 316 Stainless Steel, Hex Head Bolt	29.43	
<i>For >100 To 250, Deduct</i>	-1.63	
<i>For >250 To 500, Deduct</i>	-2.03	
<i>For >500, Deduct</i>	-2.44	
05 05 23 00-1103 EA 5/8" Diameter x 9-1/2" Length, 316 Stainless Steel, Hex Head Bolt	35.75	
<i>For >100 To 250, Deduct</i>	-1.63	
<i>For >250 To 500, Deduct</i>	-2.03	
<i>For >500, Deduct</i>	-2.44	

05 Metals

05 05 Common Work Results For Metals

05 05 23 Metal Fastenings



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-1104	EA		5/8" Diameter x 10" Length, 316 Stainless Steel, Hex Head Bolt.....	42.51	
			<i>For >100 To 250, Deduct</i>	-1.63	
			<i>For >250 To 500, Deduct</i>	-2.03	
			<i>For >500, Deduct</i>	-2.44	
05 05 23 00-1105			3/4" Diameter, 316 Stainless Steel, Hex Head Bolts (05 05 23 00-0989)		
05 05 23 00-1106	EA		3/4" Diameter x 1" Length, 316 Stainless Steel, Hex Head Bolt.....	13.48	
			<i>For >100 To 250, Deduct</i>	-1.46	
			<i>For >250 To 500, Deduct</i>	-1.83	
			<i>For >500, Deduct</i>	-2.20	
05 05 23 00-1107	EA		3/4" Diameter x 1-1/2" Length, 316 Stainless Steel, Hex Head Bolt	13.72	
			<i>For >100 To 250, Deduct</i>	-1.46	
			<i>For >250 To 500, Deduct</i>	-1.83	
			<i>For >500, Deduct</i>	-2.20	
05 05 23 00-1108	EA		3/4" Diameter x 2" Length, 316 Stainless Steel, Hex Head Bolt.....	14.63	
			<i>For >100 To 250, Deduct</i>	-1.46	
			<i>For >250 To 500, Deduct</i>	-1.83	
			<i>For >500, Deduct</i>	-2.20	
05 05 23 00-1109	EA		3/4" Diameter x 2-1/2" Length, 316 Stainless Steel, Hex Head Bolt	15.59	
			<i>For >100 To 250, Deduct</i>	-1.50	
			<i>For >250 To 500, Deduct</i>	-1.87	
			<i>For >500, Deduct</i>	-2.24	
05 05 23 00-1110	EA		3/4" Diameter x 3" Length, 316 Stainless Steel, Hex Head Bolt.....	17.29	
			<i>For >100 To 250, Deduct</i>	-1.50	
			<i>For >250 To 500, Deduct</i>	-1.87	
			<i>For >500, Deduct</i>	-2.24	
05 05 23 00-1111	EA		3/4" Diameter x 3-1/2" Length, 316 Stainless Steel, Hex Head Bolt	18.27	
			<i>For >100 To 250, Deduct</i>	-1.50	
			<i>For >250 To 500, Deduct</i>	-1.87	
			<i>For >500, Deduct</i>	-2.24	
05 05 23 00-1112	EA		3/4" Diameter x 4" Length, 316 Stainless Steel, Hex Head Bolt.....	20.54	
			<i>For >100 To 250, Deduct</i>	-1.53	
			<i>For >250 To 500, Deduct</i>	-1.91	
			<i>For >500, Deduct</i>	-2.30	
05 05 23 00-1113	EA		3/4" Diameter x 4-1/2" Length, 316 Stainless Steel, Hex Head Bolt	21.41	
			<i>For >100 To 250, Deduct</i>	-1.53	
			<i>For >250 To 500, Deduct</i>	-1.91	
			<i>For >500, Deduct</i>	-2.30	
05 05 23 00-1114	EA		3/4" Diameter x 5" Length, 316 Stainless Steel, Hex Head Bolt.....	21.89	
			<i>For >100 To 250, Deduct</i>	-1.53	
			<i>For >250 To 500, Deduct</i>	-1.91	
			<i>For >500, Deduct</i>	-2.30	
05 05 23 00-1115	EA		3/4" Diameter x 5-1/2" Length, 316 Stainless Steel, Hex Head Bolt	22.68	
			<i>For >100 To 250, Deduct</i>	-1.56	
			<i>For >250 To 500, Deduct</i>	-1.95	
			<i>For >500, Deduct</i>	-2.34	
05 05 23 00-1116	EA		3/4" Diameter x 6" Length, 316 Stainless Steel, Hex Head Bolt.....	23.77	
			<i>For >100 To 250, Deduct</i>	-1.56	
			<i>For >250 To 500, Deduct</i>	-1.95	
			<i>For >500, Deduct</i>	-2.34	
05 05 23 00-1117	EA		3/4" Diameter x 6-1/2" Length, 316 Stainless Steel, Hex Head Bolt	27.12	
			<i>For >100 To 250, Deduct</i>	-1.56	
			<i>For >250 To 500, Deduct</i>	-1.95	
			<i>For >500, Deduct</i>	-2.34	
05 05 23 00-1118	EA		3/4" Diameter x 7" Length, 316 Stainless Steel, Hex Head Bolt.....	32.13	
			<i>For >100 To 250, Deduct</i>	-1.59	
			<i>For >250 To 500, Deduct</i>	-1.99	
			<i>For >500, Deduct</i>	-2.39	
05 05 23 00-1119	EA		3/4" Diameter x 7-1/2" Length, 316 Stainless Steel, Hex Head Bolt	35.90	
			<i>For >100 To 250, Deduct</i>	-1.59	
			<i>For >250 To 500, Deduct</i>	-1.99	
			<i>For >500, Deduct</i>	-2.39	
05 05 23 00-1120	EA		3/4" Diameter x 8" Length, 316 Stainless Steel, Hex Head Bolt.....	36.47	
			<i>For >100 To 250, Deduct</i>	-1.59	
			<i>For >250 To 500, Deduct</i>	-1.99	
			<i>For >500, Deduct</i>	-2.39	
05 05 23 00-1121	EA		3/4" Diameter x 8-1/2" Length, 316 Stainless Steel, Hex Head Bolt	38.90	
			<i>For >100 To 250, Deduct</i>	-1.63	
			<i>For >250 To 500, Deduct</i>	-2.03	
			<i>For >500, Deduct</i>	-2.44	
05 05 23 00-1122	EA		3/4" Diameter x 9" Length, 316 Stainless Steel, Hex Head Bolt.....	44.62	
			<i>For >100 To 250, Deduct</i>	-1.63	
			<i>For >250 To 500, Deduct</i>	-2.03	
			<i>For >500, Deduct</i>	-2.44	
05 05 23 00-1123	EA		3/4" Diameter x 9-1/2" Length, 316 Stainless Steel, Hex Head Bolt	45.10	
			<i>For >100 To 250, Deduct</i>	-1.63	
			<i>For >250 To 500, Deduct</i>	-2.03	
			<i>For >500, Deduct</i>	-2.44	
05 05 23 00-1124	EA		3/4" Diameter x 10" Length, 316 Stainless Steel, Hex Head Bolt.....	46.31	
			<i>For >100 To 250, Deduct</i>	-1.63	
			<i>For >250 To 500, Deduct</i>	-2.03	
			<i>For >500, Deduct</i>	-2.44	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-1125 7/8" Diameter, 316 Stainless Steel, Hex Head Bolts <small>(05 05 23 00-0989)</small>		
05 05 23 00-1126 EA 7/8" Diameter x 1-1/2" Length, 316 Stainless Steel, Hex Head Bolt	15.16	
For >100 To 250, Deduct	-1.63	
For >250 To 500, Deduct	-2.03	
For >500, Deduct	-2.44	
05 05 23 00-1127 EA 7/8" Diameter x 2" Length, 316 Stainless Steel, Hex Head Bolt	16.73	
For >100 To 250, Deduct	-1.63	
For >250 To 500, Deduct	-2.03	
For >500, Deduct	-2.44	
05 05 23 00-1128 EA 7/8" Diameter x 2-1/2" Length, 316 Stainless Steel, Hex Head Bolt	17.76	
For >100 To 250, Deduct	-1.66	
For >250 To 500, Deduct	-2.08	
For >500, Deduct	-2.49	
05 05 23 00-1129 EA 7/8" Diameter x 3" Length, 316 Stainless Steel, Hex Head Bolt	19.96	
For >100 To 250, Deduct	-1.66	
For >250 To 500, Deduct	-2.08	
For >500, Deduct	-2.49	
05 05 23 00-1130 EA 7/8" Diameter x 3-1/2" Length, 316 Stainless Steel, Hex Head Bolt	20.95	
For >100 To 250, Deduct	-1.66	
For >250 To 500, Deduct	-2.08	
For >500, Deduct	-2.49	
05 05 23 00-1131 EA 7/8" Diameter x 4" Length, 316 Stainless Steel, Hex Head Bolt	21.97	
For >100 To 250, Deduct	-1.69	
For >250 To 500, Deduct	-2.12	
For >500, Deduct	-2.54	
05 05 23 00-1132 EA 7/8" Diameter x 4-1/2" Length, 316 Stainless Steel, Hex Head Bolt	23.31	
For >100 To 250, Deduct	-1.69	
For >250 To 500, Deduct	-2.12	
For >500, Deduct	-2.54	
05 05 23 00-1133 EA 7/8" Diameter x 5" Length, 316 Stainless Steel, Hex Head Bolt	26.31	
For >100 To 250, Deduct	-1.69	
For >250 To 500, Deduct	-2.12	
For >500, Deduct	-2.54	
05 05 23 00-1134 EA 7/8" Diameter x 5-1/2" Length, 316 Stainless Steel, Hex Head Bolt	26.56	
For >100 To 250, Deduct	-1.73	
For >250 To 500, Deduct	-2.16	
For >500, Deduct	-2.59	
05 05 23 00-1135 EA 7/8" Diameter x 6" Length, 316 Stainless Steel, Hex Head Bolt	27.55	
For >100 To 250, Deduct	-1.73	
For >250 To 500, Deduct	-2.16	
For >500, Deduct	-2.59	
05 05 23 00-1136 EA 7/8" Diameter x 6-1/2" Length, 316 Stainless Steel, Hex Head Bolt	35.95	
For >100 To 250, Deduct	-1.73	
For >250 To 500, Deduct	-2.16	
For >500, Deduct	-2.59	
05 05 23 00-1137 EA 7/8" Diameter x 7" Length, 316 Stainless Steel, Hex Head Bolt	39.81	
For >100 To 250, Deduct	-1.76	
For >250 To 500, Deduct	-2.20	
For >500, Deduct	-2.64	
05 05 23 00-1138 EA 7/8" Diameter x 7-1/2" Length, 316 Stainless Steel, Hex Head Bolt	43.80	
For >100 To 250, Deduct	-1.76	
For >250 To 500, Deduct	-2.20	
For >500, Deduct	-2.64	
05 05 23 00-1139 EA 7/8" Diameter x 8" Length, 316 Stainless Steel, Hex Head Bolt	45.76	
For >100 To 250, Deduct	-1.76	
For >250 To 500, Deduct	-2.20	
For >500, Deduct	-2.64	
05 05 23 00-1140 EA 7/8" Diameter x 8-1/2" Length, 316 Stainless Steel, Hex Head Bolt	48.47	
For >100 To 250, Deduct	-1.79	
For >250 To 500, Deduct	-2.24	
For >500, Deduct	-2.69	
05 05 23 00-1141 EA 7/8" Diameter x 9" Length, 316 Stainless Steel, Hex Head Bolt	50.18	
For >100 To 250, Deduct	-1.79	
For >250 To 500, Deduct	-2.24	
For >500, Deduct	-2.69	
05 05 23 00-1142 EA 7/8" Diameter x 9-1/2" Length, 316 Stainless Steel, Hex Head Bolt	51.87	
For >100 To 250, Deduct	-1.79	
For >250 To 500, Deduct	-2.24	
For >500, Deduct	-2.69	
05 05 23 00-1143 EA 7/8" Diameter x 10" Length, 316 Stainless Steel, Hex Head Bolt	53.78	
For >100 To 250, Deduct	-1.79	
For >250 To 500, Deduct	-2.24	
For >500, Deduct	-2.69	
05 05 23 00-1144 1" Diameter, 316 Stainless Steel, Hex Head Bolts <small>(05 05 23 00-0989)</small>		
05 05 23 00-1145 EA 1" Diameter x 2" Length, 316 Stainless Steel, Hex Head Bolt	18.62	
For >100 To 250, Deduct	-1.63	
For >250 To 500, Deduct	-2.03	
For >500, Deduct	-2.44	
05 05 23 00-1146 EA 1" Diameter x 2-1/2" Length, 316 Stainless Steel, Hex Head Bolt	21.21	
For >100 To 250, Deduct	-1.66	
For >250 To 500, Deduct	-2.08	
For >500, Deduct	-2.49	

05 Metals**05 05 Common Work Results For Metals****05 05 23 Metal Fastenings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-1147	EA		1" Diameter x 3" Length, 316 Stainless Steel, Hex Head Bolt.....	22.83	
			<i>For >100 To 250, Deduct</i>	-1.66	
			<i>For >250 To 500, Deduct</i>	-2.08	
			<i>For >500, Deduct</i>	-2.49	
05 05 23 00-1148	EA		1" Diameter x 3-1/2" Length, 316 Stainless Steel, Hex Head Bolt	25.43	
			<i>For >100 To 250, Deduct</i>	-1.66	
			<i>For >250 To 500, Deduct</i>	-2.08	
			<i>For >500, Deduct</i>	-2.49	
05 05 23 00-1149	EA		1" Diameter x 4" Length, 316 Stainless Steel, Hex Head Bolt.....	26.51	
			<i>For >100 To 250, Deduct</i>	-1.69	
			<i>For >250 To 500, Deduct</i>	-2.12	
			<i>For >500, Deduct</i>	-2.54	
05 05 23 00-1150	EA		1" Diameter x 4-1/2" Length, 316 Stainless Steel, Hex Head Bolt	28.27	
			<i>For >100 To 250, Deduct</i>	-1.69	
			<i>For >250 To 500, Deduct</i>	-2.12	
			<i>For >500, Deduct</i>	-2.54	
05 05 23 00-1151	EA		1" Diameter x 5" Length, 316 Stainless Steel, Hex Head Bolt.....	30.05	
			<i>For >100 To 250, Deduct</i>	-1.69	
			<i>For >250 To 500, Deduct</i>	-2.12	
			<i>For >500, Deduct</i>	-2.54	
05 05 23 00-1152	EA		1" Diameter x 5-1/2" Length, 316 Stainless Steel, Hex Head Bolt	32.00	
			<i>For >100 To 250, Deduct</i>	-1.73	
			<i>For >250 To 500, Deduct</i>	-2.16	
			<i>For >500, Deduct</i>	-2.59	
05 05 23 00-1153	EA		1" Diameter x 6" Length, 316 Stainless Steel, Hex Head Bolt.....	36.59	
			<i>For >100 To 250, Deduct</i>	-1.73	
			<i>For >250 To 500, Deduct</i>	-2.16	
			<i>For >500, Deduct</i>	-2.59	
05 05 23 00-1154	EA		1" Diameter x 6-1/2" Length, 316 Stainless Steel, Hex Head Bolt	41.12	
			<i>For >100 To 250, Deduct</i>	-1.73	
			<i>For >250 To 500, Deduct</i>	-2.16	
			<i>For >500, Deduct</i>	-2.59	
05 05 23 00-1155	EA		1" Diameter x 7" Length, 316 Stainless Steel, Hex Head Bolt.....	47.46	
			<i>For >100 To 250, Deduct</i>	-1.76	
			<i>For >250 To 500, Deduct</i>	-2.20	
			<i>For >500, Deduct</i>	-2.64	
05 05 23 00-1156	EA		1" Diameter x 7-1/2" Length, 316 Stainless Steel, Hex Head Bolt	52.67	
			<i>For >100 To 250, Deduct</i>	-1.76	
			<i>For >250 To 500, Deduct</i>	-2.20	
			<i>For >500, Deduct</i>	-2.64	
05 05 23 00-1157	EA		1" Diameter x 8" Length, 316 Stainless Steel, Hex Head Bolt.....	53.41	
			<i>For >100 To 250, Deduct</i>	-1.76	
			<i>For >250 To 500, Deduct</i>	-2.20	
			<i>For >500, Deduct</i>	-2.64	
05 05 23 00-1158	EA		1" Diameter x 8-1/2" Length, 316 Stainless Steel, Hex Head Bolt	55.27	
			<i>For >100 To 250, Deduct</i>	-1.79	
			<i>For >250 To 500, Deduct</i>	-2.24	
			<i>For >500, Deduct</i>	-2.69	
05 05 23 00-1159	EA		1" Diameter x 9" Length, 316 Stainless Steel, Hex Head Bolt.....	55.99	
			<i>For >100 To 250, Deduct</i>	-1.79	
			<i>For >250 To 500, Deduct</i>	-2.24	
			<i>For >500, Deduct</i>	-2.69	
05 05 23 00-1160	EA		1" Diameter x 9-1/2" Length, 316 Stainless Steel, Hex Head Bolt	64.62	
			<i>For >100 To 250, Deduct</i>	-1.79	
			<i>For >250 To 500, Deduct</i>	-2.24	
			<i>For >500, Deduct</i>	-2.69	
05 05 23 00-1161	EA		1" Diameter x 10" Length, 316 Stainless Steel, Hex Head Bolt.....	72.96	
			<i>For >100 To 250, Deduct</i>	-1.79	
			<i>For >250 To 500, Deduct</i>	-2.24	
			<i>For >500, Deduct</i>	-2.69	
05 05 23 00-1162			Screws <small>(05 05 23)</small>		
05 05 23 00-1163			Teks® 5 Self Drilling Screws <small>(05 05 23 00-1162)</small>		
			Note: Screws include Climaseal® finish, self-drill point and tapping threads.		
05 05 23 00-1164	EA		12-24 x 1-1/4", Hex Washer Head, Teks® 5 Self Drilling Screw	2.98	
			<i>For >10 To 50, Deduct</i>	-0.14	
			<i>For >50 To 100, Deduct</i>	-0.28	
			<i>For >100, Deduct</i>	-0.56	
05 05 23 00-1165	EA		12-24 x 1-1/2", Hex Washer Head, Teks® 5 Self Drilling Screw	3.07	
			<i>For >10 To 50, Deduct</i>	-0.14	
			<i>For >50 To 100, Deduct</i>	-0.28	
			<i>For >100, Deduct</i>	-0.56	
05 05 23 00-1166	EA		12-24 x 2", Hex Washer Head, Teks® 5 Self Drilling Screw	3.39	
			<i>For >10 To 50, Deduct</i>	-0.15	
			<i>For >50 To 100, Deduct</i>	-0.30	
			<i>For >100, Deduct</i>	-0.60	
05 05 23 00-1167	EA		1/4"-28 x 3", Hex Washer Head, Teks® 5 Self Drilling Screw	4.55	
			<i>For >10 To 50, Deduct</i>	-0.18	
			<i>For >50 To 100, Deduct</i>	-0.39	
			<i>For >100, Deduct</i>	-0.77	
05 05 23 00-1168	EA		1/4"-28 x 4", Hex Washer Head, Teks® 5 Self Drilling Screw	4.84	
			<i>For >10 To 50, Deduct</i>	-0.19	
			<i>For >50 To 100, Deduct</i>	-0.41	
			<i>For >100, Deduct</i>	-0.81	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-1169 EA 1/4"-28 x 6", Hex Washer Head, Teks® 5 Self Drilling Screw.....	5.77	
<i>For >10 To 50, Deduct</i>	-0.20	
<i>For >50 To 100, Deduct</i>	-0.44	
<i>For >100, Deduct</i>	-0.89	
05 05 23 00-1170 EA 1/4"-28 x 8", Hex Washer Head, Teks® 5 Self Drilling Screw.....	6.36	
<i>For >10 To 50, Deduct</i>	-0.21	
<i>For >50 To 100, Deduct</i>	-0.47	
<i>For >100, Deduct</i>	-0.94	
05 05 23 00-1171 Security Screws <small>(05 05 23 00-1162)</small>		
05 05 23 00-1172 304/18-8 Stainless Steel, Security Screws <small>(05 05 23 00-1171)</small>		
<small>Note: Includes "security" style drive in machine or sheet metal screw threads.</small>		
05 05 23 00-1173 EA #4 Diameter x 1/2" Length, 304/18-8 Stainless Steel, Security Screws.....	2.37	
<i>For >10 To 50, Deduct</i>	-0.11	
<i>For >50 To 100, Deduct</i>	-0.23	
<i>For >100, Deduct</i>	-0.46	
05 05 23 00-1174 EA #6 Diameter x 1/2" Length, 304/18-8 Stainless Steel, Security Screw.....	2.62	
<i>For >10 To 50, Deduct</i>	-0.11	
<i>For >50 To 100, Deduct</i>	-0.24	
<i>For >100, Deduct</i>	-0.47	
05 05 23 00-1175 EA #6 Diameter x 1" Length, 304/18-8 Stainless Steel, Security Screw.....	2.82	
<i>For >10 To 50, Deduct</i>	-0.11	
<i>For >50 To 100, Deduct</i>	-0.24	
<i>For >100, Deduct</i>	-0.48	
05 05 23 00-1176 EA #6 Diameter x 1-1/2" Length, 304/18-8 Stainless Steel, Security Screw.....	2.90	
<i>For >10 To 50, Deduct</i>	-0.11	
<i>For >50 To 100, Deduct</i>	-0.24	
<i>For >100, Deduct</i>	-0.49	
05 05 23 00-1177 EA #6 Diameter x 2" Length, 304/18-8 Stainless Steel, Security Screw.....	3.03	
<i>For >10 To 50, Deduct</i>	-0.11	
<i>For >50 To 100, Deduct</i>	-0.25	
<i>For >100, Deduct</i>	-0.49	
05 05 23 00-1178 EA #8 Diameter x 1/2" Length, 304/18-8 Stainless Steel, Security Screw.....	2.67	
<i>For >10 To 50, Deduct</i>	-0.11	
<i>For >50 To 100, Deduct</i>	-0.24	
<i>For >100, Deduct</i>	-0.48	
05 05 23 00-1179 EA #8 Diameter x 1" Length, 304/18-8 Stainless Steel, Security Screw.....	2.77	
<i>For >10 To 50, Deduct</i>	-0.11	
<i>For >50 To 100, Deduct</i>	-0.24	
<i>For >100, Deduct</i>	-0.48	
05 05 23 00-1180 EA #8 Diameter x 1-1/2" Length, 304/18-8 Stainless Steel, Security Screw.....	2.98	
<i>For >10 To 50, Deduct</i>	-0.11	
<i>For >50 To 100, Deduct</i>	-0.25	
<i>For >100, Deduct</i>	-0.49	
05 05 23 00-1181 EA #8 Diameter x 2" Length, 304/18-8 Stainless Steel, Security Screw.....	3.04	
<i>For >10 To 50, Deduct</i>	-0.11	
<i>For >50 To 100, Deduct</i>	-0.25	
<i>For >100, Deduct</i>	-0.49	
05 05 23 00-1182 EA #10 Diameter x 1/2" Length, 304/18-8 Stainless Steel, Security Screw.....	2.73	
<i>For >10 To 50, Deduct</i>	-0.11	
<i>For >50 To 100, Deduct</i>	-0.24	
<i>For >100, Deduct</i>	-0.48	
05 05 23 00-1183 EA #10 Diameter x 1" Length, 304/18-8 Stainless Steel, Security Screw.....	2.76	
<i>For >10 To 50, Deduct</i>	-0.11	
<i>For >50 To 100, Deduct</i>	-0.24	
<i>For >100, Deduct</i>	-0.48	
05 05 23 00-1184 EA #10 Diameter x 1-1/2" Length, 304/18-8 Stainless Steel, Security Screw.....	2.85	
<i>For >10 To 50, Deduct</i>	-0.11	
<i>For >50 To 100, Deduct</i>	-0.24	
<i>For >100, Deduct</i>	-0.48	
05 05 23 00-1185 EA #10 Diameter x 2" Length, 304/18-8 Stainless Steel, Security Screw.....	3.13	
<i>For >10 To 50, Deduct</i>	-0.11	
<i>For >50 To 100, Deduct</i>	-0.25	
<i>For >100, Deduct</i>	-0.50	
05 05 23 00-1186 EA 1/4" Diameter x 1/2" Length, 304/18-8 Stainless Steel, Security Screw.....	2.90	
<i>For >10 To 50, Deduct</i>	-0.11	
<i>For >50 To 100, Deduct</i>	-0.24	
<i>For >100, Deduct</i>	-0.49	
05 05 23 00-1187 EA 1/4" Diameter x 1" Length, 304/18-8 Stainless Steel, Security Screw.....	2.96	
<i>For >10 To 50, Deduct</i>	-0.11	
<i>For >50 To 100, Deduct</i>	-0.25	
<i>For >100, Deduct</i>	-0.49	
05 05 23 00-1188 EA 1/4" Diameter x 1-1/2" Length, 304/18-8 Stainless Steel, Security Screw.....	3.23	
<i>For >10 To 50, Deduct</i>	-0.11	
<i>For >50 To 100, Deduct</i>	-0.25	
<i>For >100, Deduct</i>	-0.50	
05 05 23 00-1189 EA 1/4" Diameter x 2" Length, 304/18-8 Stainless Steel, Security Screw.....	3.66	
<i>For >10 To 50, Deduct</i>	-0.11	
<i>For >50 To 100, Deduct</i>	-0.26	
<i>For >100, Deduct</i>	-0.53	

05 05 23 00-1190

Threaded Rod (05 05 23)

Note: Fully threaded. See CSI section 05 05 19 00-0169 for anchoring adhesive, 05 05 23 00-1283 for nuts and

05 Metals**05 05 Common Work Results For Metals****05 05 23 Metal Fastenings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
			washers.		
05 05 23 00-1191			Plain Finish Steel, Low Carbon Threaded Rod <small>(05 05 23 00-1190)</small>		
05 05 23 00-1192	LF		1/4" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	1.62	0.44
			<i>For Left Hand Threaded Rod, Add</i>	0.07	
05 05 23 00-1193	LF		5/16" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	2.08	0.49
			<i>For Left Hand Threaded Rod, Add</i>	0.11	
05 05 23 00-1194	LF		3/8" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	2.41	0.56
			<i>For Left Hand Threaded Rod, Add</i>	0.13	
05 05 23 00-1195	LF		7/16" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	3.16	0.57
			<i>For Left Hand Threaded Rod, Add</i>	0.20	
05 05 23 00-1196	LF		1/2" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	3.23	0.60
			<i>For Left Hand Threaded Rod, Add</i>	0.20	
05 05 23 00-1197	LF		9/16" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	3.94	0.60
			<i>For Left Hand Threaded Rod, Add</i>	0.27	
05 05 23 00-1198	LF		5/8" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	4.41	0.61
			<i>For Left Hand Threaded Rod, Add</i>	0.32	
05 05 23 00-1199	LF		3/4" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	7.03	0.63
			<i>For Left Hand Threaded Rod, Add</i>	0.58	
05 05 23 00-1200	LF		7/8" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	7.65	0.65
			<i>For Left Hand Threaded Rod, Add</i>	0.63	
05 05 23 00-1201	LF		1" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	10.37	0.74
			<i>For Left Hand Threaded Rod, Add</i>	0.89	
05 05 23 00-1202	LF		1-1/8" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	12.86	0.83
			<i>For Left Hand Threaded Rod, Add</i>	1.12	
05 05 23 00-1203	LF		1-1/4" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	16.97	0.90
			<i>For Left Hand Threaded Rod, Add</i>	1.51	
05 05 23 00-1204	LF		1-3/8" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	21.01	0.98
			<i>For Left Hand Threaded Rod, Add</i>	1.91	
05 05 23 00-1205	LF		1-1/2" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	25.06	1.02
			<i>For Left Hand Threaded Rod, Add</i>	2.30	
05 05 23 00-1206	LF		1-3/4" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	30.65	1.07
			<i>For Left Hand Threaded Rod, Add</i>	2.85	
05 05 23 00-1207	LF		2" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	39.02	1.12
			<i>For Left Hand Threaded Rod, Add</i>	3.68	
05 05 23 00-1208			Zinc Plated Steel, Low Carbon Threaded Rod <small>(05 05 23 00-1190)</small>		
05 05 23 00-1209	LF		1/4" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod	1.63	0.44
			<i>For Left Hand Threaded Rod, Add</i>	0.07	
05 05 23 00-1210	LF		5/16" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod	2.32	0.49
			<i>For Left Hand Threaded Rod, Add</i>	0.13	
05 05 23 00-1211	LF		3/8" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod	2.59	0.56
			<i>For Left Hand Threaded Rod, Add</i>	0.15	
05 05 23 00-1212	LF		7/16" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod	3.61	0.57
			<i>For Left Hand Threaded Rod, Add</i>	0.25	
05 05 23 00-1213	LF		1/2" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod	3.87	0.60
			<i>For Left Hand Threaded Rod, Add</i>	0.27	
05 05 23 00-1214	LF		9/16" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod	4.97	0.60
			<i>For Left Hand Threaded Rod, Add</i>	0.38	
05 05 23 00-1215	LF		5/8" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod	5.27	0.61
			<i>For Left Hand Threaded Rod, Add</i>	0.40	
05 05 23 00-1216	LF		3/4" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod	7.77	0.63
			<i>For Left Hand Threaded Rod, Add</i>	0.65	
05 05 23 00-1217	LF		7/8" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod	9.98	0.65
			<i>For Left Hand Threaded Rod, Add</i>	0.87	
05 05 23 00-1218	LF		1" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod	13.32	0.74
			<i>For Left Hand Threaded Rod, Add</i>	1.18	
05 05 23 00-1219	LF		1-1/8" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod	17.12	0.83
			<i>For Left Hand Threaded Rod, Add</i>	1.55	
05 05 23 00-1220	LF		1-1/4" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod	20.39	0.90
			<i>For Left Hand Threaded Rod, Add</i>	1.85	
05 05 23 00-1221	LF		1-3/8" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod	23.14	0.98
			<i>For Left Hand Threaded Rod, Add</i>	2.12	
05 05 23 00-1222	LF		1-1/2" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod	29.03	1.02
			<i>For Left Hand Threaded Rod, Add</i>	2.70	
05 05 23 00-1223	LF		1-3/4" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod	35.88	1.07
			<i>For Left Hand Threaded Rod, Add</i>	3.38	
05 05 23 00-1224	LF		2" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod	52.12	1.12
			<i>For Left Hand Threaded Rod, Add</i>	4.99	
05 05 23 00-1225			Hot Dipped Galvanized Steel, Low Carbon Threaded Rod <small>(05 05 23 00-1190)</small>		
05 05 23 00-1226	LF		3/8" Diameter, Hot Dipped Galvanized Steel, Low Carbon Threaded Rod	4.07	0.56
			<i>For Left Hand Threaded Rod, Add</i>	0.30	
05 05 23 00-1227	LF		1/2" Diameter, Hot Dipped Galvanized Steel, Low Carbon Threaded Rod	5.60	0.60
			<i>For Left Hand Threaded Rod, Add</i>	0.44	
05 05 23 00-1228	LF		5/8" Diameter, Hot Dipped Galvanized Steel, Low Carbon Threaded Rod	7.47	0.61
			<i>For Left Hand Threaded Rod, Add</i>	0.62	
05 05 23 00-1229	LF		3/4" Diameter, Hot Dipped Galvanized Steel, Low Carbon Threaded Rod	10.13	0.63
			<i>For Left Hand Threaded Rod, Add</i>	0.89	
05 05 23 00-1230	LF		7/8" Diameter, Hot Dipped Galvanized Steel, Low Carbon Threaded Rod	13.92	0.65
			<i>For Left Hand Threaded Rod, Add</i>	1.26	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-1231 LF 1" Diameter, Hot Dipped Galvanized Steel, Low Carbon Threaded Rod..... <i>For Left Hand Threaded Rod, Add</i>	17.89 1.64	0.74
05 05 23 00-1232 LF 1-1/8" Diameter, Hot Dipped Galvanized Steel, Low Carbon Threaded Rod..... <i>For Left Hand Threaded Rod, Add</i>	23.46 2.18	0.83
05 05 23 00-1233 LF 1-1/4" Diameter, Hot Dipped Galvanized Steel, Low Carbon Threaded Rod..... <i>For Left Hand Threaded Rod, Add</i>	30.77 2.89	0.90
05 05 23 00-1234 LF 1-3/8" Diameter, Hot Dipped Galvanized Steel, Low Carbon Threaded Rod..... <i>For Left Hand Threaded Rod, Add</i>	34.35 3.24	0.98
05 05 23 00-1235 LF 1-1/2" Diameter, Hot Dipped Galvanized Steel, Low Carbon Threaded Rod..... <i>For Left Hand Threaded Rod, Add</i>	40.82 3.88	1.02
05 05 23 00-1236 LF 1-3/4" Diameter, Hot Dipped Galvanized Steel, Low Carbon Threaded Rod..... <i>For Left Hand Threaded Rod, Add</i>	49.51 4.74	1.07
05 05 23 00-1237 LF 2" Diameter, Hot Dipped Galvanized Steel, Low Carbon Threaded Rod..... <i>For Left Hand Threaded Rod, Add</i>	86.03 8.38	1.12
05 05 23 00-1238 304/18-8 Stainless Steel Threaded Rod <small>(05 05 23 00-1190)</small>		
05 05 23 00-1239 LF 1/4" Diameter, 304/18-8 Stainless Steel Threaded Rod <i>For Left Hand Threaded Rod, Add</i>	2.18 0.13	0.44
05 05 23 00-1240 LF 5/16" Diameter, 304/18-8 Stainless Steel Threaded Rod <i>For Left Hand Threaded Rod, Add</i>	3.18 0.22	0.49
05 05 23 00-1241 LF 3/8" Diameter, 304/18-8 Stainless Steel Threaded Rod <i>For Left Hand Threaded Rod, Add</i>	4.05 0.29	0.56
05 05 23 00-1242 LF 7/16" Diameter, 304/18-8 Stainless Steel Threaded Rod <i>For Left Hand Threaded Rod, Add</i>	5.52 0.44	0.57
05 05 23 00-1243 LF 1/2" Diameter, 304/18-8 Stainless Steel Threaded Rod <i>For Left Hand Threaded Rod, Add</i>	6.56 0.54	0.60
05 05 23 00-1244 LF 9/16" Diameter, 304/18-8 Stainless Steel Threaded Rod <i>For Left Hand Threaded Rod, Add</i>	9.29 0.81	0.60
05 05 23 00-1245 LF 5/8" Diameter, 304/18-8 Stainless Steel Threaded Rod <i>For Left Hand Threaded Rod, Add</i>	9.70 0.85	0.61
05 05 23 00-1246 LF 3/4" Diameter, 304/18-8 Stainless Steel Threaded Rod <i>For Left Hand Threaded Rod, Add</i>	13.44 1.22	0.63
05 05 23 00-1247 LF 7/8" Diameter, 304/18-8 Stainless Steel Threaded Rod <i>For Left Hand Threaded Rod, Add</i>	18.38 1.71	0.65
05 05 23 00-1248 LF 1" Diameter, 304/18-8 Stainless Steel Threaded Rod <i>For Left Hand Threaded Rod, Add</i>	23.51 2.20	0.74
05 05 23 00-1249 LF 1-1/4" Diameter, 304/18-8 Stainless Steel Threaded Rod..... <i>For Left Hand Threaded Rod, Add</i>	49.40 4.75	0.90
05 05 23 00-1250 LF 1-1/2" Diameter, 304/18-8 Stainless Steel Threaded Rod..... <i>For Left Hand Threaded Rod, Add</i>	75.00 7.30	1.02
05 05 23 00-1251 LF 1-3/4" Diameter, 304/18-8 Stainless Steel Threaded Rod..... <i>For Left Hand Threaded Rod, Add</i>	77.16 7.50	1.07
05 05 23 00-1252 LF 2" Diameter, 304/18-8 Stainless Steel Threaded Rod <i>For Left Hand Threaded Rod, Add</i>	106.57 10.43	1.12
05 05 23 00-1253 316 Stainless Steel Threaded Rod <small>(05 05 23 00-1190)</small>		
05 05 23 00-1254 LF 1/4" Diameter, 316 Stainless Steel Threaded Rod <i>For Left Hand Threaded Rod, Add</i>	3.05 0.22	0.44
05 05 23 00-1255 LF 5/16" Diameter, 316 Stainless Steel Threaded Rod <i>For Left Hand Threaded Rod, Add</i>	4.78 0.38	0.49
05 05 23 00-1256 LF 3/8" Diameter, 316 Stainless Steel Threaded Rod <i>For Left Hand Threaded Rod, Add</i>	6.29 0.52	0.56
05 05 23 00-1257 LF 7/16" Diameter, 316 Stainless Steel Threaded Rod <i>For Left Hand Threaded Rod, Add</i>	9.66 0.85	0.57
05 05 23 00-1258 LF 1/2" Diameter, 316 Stainless Steel Threaded Rod <i>For Left Hand Threaded Rod, Add</i>	10.23 0.90	0.60
05 05 23 00-1259 LF 9/16" Diameter, 316 Stainless Steel Threaded Rod <i>For Left Hand Threaded Rod, Add</i>	13.32 1.21	0.60
05 05 23 00-1260 LF 5/8" Diameter, 316 Stainless Steel Threaded Rod <i>For Left Hand Threaded Rod, Add</i>	14.33 1.31	0.61
05 05 23 00-1261 LF 3/4" Diameter, 316 Stainless Steel Threaded Rod <i>For Left Hand Threaded Rod, Add</i>	20.73 1.95	0.63
05 05 23 00-1262 LF 7/8" Diameter, 316 Stainless Steel Threaded Rod <i>For Left Hand Threaded Rod, Add</i>	28.27 2.70	0.65
05 05 23 00-1263 LF 1" Diameter, 316 Stainless Steel Threaded Rod <i>For Left Hand Threaded Rod, Add</i>	35.72 3.42	0.74
05 05 23 00-1264 LF 1-1/4" Diameter, 316 Stainless Steel Threaded Rod <i>For Left Hand Threaded Rod, Add</i>	75.05 7.32	0.90
05 05 23 00-1265 LF 1-1/2" Diameter, 316 Stainless Steel Threaded Rod <i>For Left Hand Threaded Rod, Add</i>	98.26 9.62	1.02
05 05 23 00-1266 Plain Finish Steel, B-7 Alloy Threaded Rod <small>(05 05 23 00-1190)</small>		
05 05 23 00-1267 LF 1/4" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod <i>For Zinc Plating, Add</i>	2.64 0.87	0.44
05 05 23 00-1268 LF 5/16" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod..... <i>For Zinc Plating, Add</i>	3.97 1.49	0.49
05 05 23 00-1269 LF 3/8" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod <i>For Zinc Plating, Add</i>	4.17 1.53	0.56
05 05 23 00-1270 LF 7/16" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod <i>For Zinc Plating, Add</i>	4.55 1.70	0.57

05 Metals**05 05 Common Work Results For Metals****05 05 23 Metal Fastenings**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-1271 LF 1/2" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod <i>For Zinc Plating, Add</i>	4.98 1.90	0.60
05 05 23 00-1272 LF 9/16" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod <i>For Zinc Plating, Add</i>	6.15 2.47	0.60
05 05 23 00-1273 LF 5/8" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod <i>For Zinc Plating, Add</i>	6.36 2.56	0.61
05 05 23 00-1274 LF 3/4" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod <i>For Zinc Plating, Add</i>	8.35 3.54	0.63
05 05 23 00-1275 LF 7/8" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod <i>For Zinc Plating, Add</i>	9.96 4.32	0.65
05 05 23 00-1276 LF 1" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod <i>For Zinc Plating, Add</i>	12.86 5.69	0.74
05 05 23 00-1277 LF 1-1/8" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod <i>For Zinc Plating, Add</i>	16.67 7.51	0.83
05 05 23 00-1278 LF 1-1/4" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod <i>For Zinc Plating, Add</i>	18.55 8.35	0.90
05 05 23 00-1279 LF 1-3/8" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod <i>For Zinc Plating, Add</i>	21.36 9.71	0.98
05 05 23 00-1280 LF 1-1/2" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod <i>For Zinc Plating, Add</i>	25.90 11.94	1.02
05 05 23 00-1281 LF 1-3/4" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod <i>For Zinc Plating, Add</i>	26.78 12.33	1.07
05 05 23 00-1282 LF 2" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod <i>For Zinc Plating, Add</i>	35.80 16.79	1.12

05 05 23 00-1283 Nuts And Washers (05 05 23)**05 05 23 00-1284 Hex Nuts (05 05 23 00-1283)****05 05 23 00-1285 Zinc Plated Steel, Low Carbon/Grade 2 Hex Nuts (05 05 23 00-1284)**

05 05 23 00-1286 EA 1/4" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	0.49	0.22
05 05 23 00-1287 EA 5/16" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	0.54	0.22
05 05 23 00-1288 EA 3/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	0.57	0.22
05 05 23 00-1289 EA 7/16" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	0.66	0.22
05 05 23 00-1290 EA 1/2" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	0.70	0.22
05 05 23 00-1291 EA 9/16" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	0.89	0.22
05 05 23 00-1292 EA 5/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	0.92	0.22
05 05 23 00-1293 EA 3/4" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	1.06	0.45
05 05 23 00-1294 EA 7/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	1.48	0.45
05 05 23 00-1295 EA 1" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	1.87	0.45
05 05 23 00-1296 EA 1-1/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	2.95	0.45
05 05 23 00-1297 EA 1-1/4" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	3.60	0.45
05 05 23 00-1298 EA 1-3/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	5.18	0.45
05 05 23 00-1299 EA 1-1/2" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	5.97	0.67
05 05 23 00-1300 EA 1-3/4" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	8.64	0.67
05 05 23 00-1301 EA 2" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	12.37	0.67

05 05 23 00-1302 Zinc Plated Steel, Grade 5 Hex Nuts (05 05 23 00-1284)

05 05 23 00-1303 EA 1/4" Diameter, Zinc Plated Steel, Grade 5 Hex Nut	0.50	0.22
05 05 23 00-1304 EA 5/16" Diameter, Zinc Plated Steel, Grade 5 Hex Nut	0.55	0.22
05 05 23 00-1305 EA 3/8" Diameter, Zinc Plated Steel, Grade 5 Hex Nut	0.59	0.22
05 05 23 00-1306 EA 7/16" Diameter, Zinc Plated Steel, Grade 5 Hex Nut	0.68	0.22
05 05 23 00-1307 EA 1/2" Diameter, Zinc Plated Steel, Grade 5 Hex Nut	0.77	0.22
05 05 23 00-1308 EA 9/16" Diameter, Zinc Plated Steel, Grade 5 Hex Nut	0.91	0.22
05 05 23 00-1309 EA 5/8" Diameter, Zinc Plated Steel, Grade 5 Hex Nut	0.93	0.22
05 05 23 00-1310 EA 3/4" Diameter, Zinc Plated Steel, Grade 5 Hex Nut	1.18	0.45
05 05 23 00-1311 EA 7/8" Diameter, Zinc Plated Steel, Grade 5 Hex Nut	1.60	0.45
05 05 23 00-1312 EA 1" Diameter, Zinc Plated Steel, Grade 5 Hex Nut	2.22	0.45
05 05 23 00-1313 EA 1-1/8" Diameter, Zinc Plated Steel, Grade 5 Hex Nut	3.30	0.45
05 05 23 00-1314 EA 1-1/4" Diameter, Zinc Plated Steel, Grade 5 Hex Nut	4.62	0.45
05 05 23 00-1315 EA 1-3/8" Diameter, Zinc Plated Steel, Grade 5 Hex Nut	6.67	0.45
05 05 23 00-1316 EA 1-1/2" Diameter, Zinc Plated Steel, Grade 5 Hex Nut	7.35	0.67
05 05 23 00-1317 EA 1-3/4" Diameter, Zinc Plated Steel, Grade 5 Hex Nut	13.04	0.67
05 05 23 00-1318 EA 2" Diameter, Zinc Plated Steel, Grade 5 Hex Nut	18.58	0.67

05 05 23 00-1319 Zinc Plated Steel, Grade 8 Hex Nuts (05 05 23 00-1284)

05 05 23 00-1320 EA 1/4" Diameter, Zinc Plated Steel, Grade 8 Hex Nut	0.51	0.22
05 05 23 00-1321 EA 5/16" Diameter, Zinc Plated Steel, Grade 8 Hex Nut	0.58	0.22
05 05 23 00-1322 EA 3/8" Diameter, Zinc Plated Steel, Grade 8 Hex Nut	0.62	0.22
05 05 23 00-1323 EA 7/16" Diameter, Zinc Plated Steel, Grade 8 Hex Nut	0.75	0.22
05 05 23 00-1324 EA 1/2" Diameter, Zinc Plated Steel, Grade 8 Hex Nut	0.87	0.22
05 05 23 00-1325 EA 9/16" Diameter, Zinc Plated Steel, Grade 8 Hex Nut	1.03	0.22
05 05 23 00-1326 EA 5/8" Diameter, Zinc Plated Steel, Grade 8 Hex Nut	1.15	0.22
05 05 23 00-1327 EA 3/4" Diameter, Zinc Plated Steel, Grade 8 Hex Nut	1.39	0.45
05 05 23 00-1328 EA 7/8" Diameter, Zinc Plated Steel, Grade 8 Hex Nut	2.02	0.45
05 05 23 00-1329 EA 1" Diameter, Zinc Plated Steel, Grade 8 Hex Nut	2.65	0.45
05 05 23 00-1330 EA 1-1/8" Diameter, Zinc Plated Steel, Grade 8 Hex Nut	4.06	0.45
05 05 23 00-1331 EA 1-1/4" Diameter, Zinc Plated Steel, Grade 8 Hex Nut	5.06	0.45
05 05 23 00-1332 EA 1-3/8" Diameter, Zinc Plated Steel, Grade 8 Hex Nut	8.17	0.45



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-1333 EA 1-1/2" Diameter, Zinc Plated Steel, Grade 8 Hex Nut	8.67	0.67
05 05 23 00-1334 EA 1-3/4" Diameter, Zinc Plated Steel, Grade 8 Hex Nut	13.08	0.67
05 05 23 00-1335 EA 2" Diameter, Zinc Plated Steel, Grade 8 Hex Nut	18.38	0.67
05 05 23 00-1336 Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nuts <small>(05 05 23 00-1284)</small>		
05 05 23 00-1337 EA 1/4" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut	0.51	0.22
05 05 23 00-1338 EA 5/16" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut	0.57	0.22
05 05 23 00-1339 EA 3/8" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut	0.61	0.22
05 05 23 00-1340 EA 7/16" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut	0.74	0.22
05 05 23 00-1341 EA 1/2" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut	0.83	0.22
05 05 23 00-1342 EA 9/16" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut	0.92	0.22
05 05 23 00-1343 EA 5/8" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut	1.00	0.22
05 05 23 00-1344 EA 3/4" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut	1.28	0.45
05 05 23 00-1345 EA 7/8" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut	1.80	0.45
05 05 23 00-1346 EA 1" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut	2.45	0.45
05 05 23 00-1347 EA 1-1/8" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut	3.93	0.45
05 05 23 00-1348 EA 1-1/4" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut	5.03	0.45
05 05 23 00-1349 EA 1-3/8" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut	7.35	0.45
05 05 23 00-1350 EA 1-1/2" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut	8.54	0.67
05 05 23 00-1351 EA 1-3/4" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut	14.69	0.67
05 05 23 00-1352 EA 2" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut	25.21	0.67
05 05 23 00-1353 304 Stainless Steel Hex Nuts <small>(05 05 23 00-1284)</small>		
05 05 23 00-1354 EA 1/4" Diameter, 304 Stainless Steel Hex Nut	0.55	0.22
05 05 23 00-1355 EA 5/16" Diameter, 304 Stainless Steel Hex Nut	0.64	0.22
05 05 23 00-1356 EA 3/8" Diameter, 304 Stainless Steel Hex Nut	0.71	0.22
05 05 23 00-1357 EA 7/16" Diameter, 304 Stainless Steel Hex Nut	1.01	0.22
05 05 23 00-1358 EA 1/2" Diameter, 304 Stainless Steel Hex Nut	1.08	0.22
05 05 23 00-1359 EA 9/16" Diameter, 304 Stainless Steel Hex Nut	1.57	0.22
05 05 23 00-1360 EA 5/8" Diameter, 304 Stainless Steel Hex Nut	1.74	0.22
05 05 23 00-1361 EA 3/4" Diameter, 304 Stainless Steel Hex Nut	1.98	0.45
05 05 23 00-1362 EA 7/8" Diameter, 304 Stainless Steel Hex Nut	3.15	0.45
05 05 23 00-1363 EA 1" Diameter, 304 Stainless Steel Hex Nut	4.77	0.45
05 05 23 00-1364 EA 1-1/4" Diameter, 304 Stainless Steel Hex Nut	11.25	0.45
05 05 23 00-1365 EA 1-1/2" Diameter, 304 Stainless Steel Hex Nut	21.40	0.67
05 05 23 00-1366 EA 1-3/4" Diameter, 304 Stainless Steel Hex Nut	37.45	0.67
05 05 23 00-1367 EA 2" Diameter, 304 Stainless Steel Hex Nut	53.27	0.67
05 05 23 00-1368 316 Stainless Steel Hex Nuts <small>(05 05 23 00-1284)</small>		
05 05 23 00-1369 EA 1/4" Diameter, 316 Stainless Steel Hex Nut	0.63	0.22
05 05 23 00-1370 EA 5/16" Diameter, 316 Stainless Steel Hex Nut	0.71	0.22
05 05 23 00-1371 EA 3/8" Diameter, 316 Stainless Steel Hex Nut	0.82	0.22
05 05 23 00-1372 EA 7/16" Diameter, 316 Stainless Steel Hex Nut	1.28	0.22
05 05 23 00-1373 EA 1/2" Diameter, 316 Stainless Steel Hex Nut	1.36	0.22
05 05 23 00-1374 EA 9/16" Diameter, 316 Stainless Steel Hex Nut	1.81	0.22
05 05 23 00-1375 EA 5/8" Diameter, 316 Stainless Steel Hex Nut	2.03	0.22
05 05 23 00-1376 EA 3/4" Diameter, 316 Stainless Steel Hex Nut	2.77	0.45
05 05 23 00-1377 EA 7/8" Diameter, 316 Stainless Steel Hex Nut	3.79	0.45
05 05 23 00-1378 EA 1" Diameter, 316 Stainless Steel Hex Nut	5.80	0.45
05 05 23 00-1379 EA 1-1/4" Diameter, 316 Stainless Steel Hex Nut	17.31	0.45
05 05 23 00-1380 EA 1-1/2" Diameter, 316 Stainless Steel Hex Nut	27.86	0.67
05 05 23 00-1381 EA 1-3/4" Diameter, 316 Stainless Steel Hex Nut	46.86	0.67
05 05 23 00-1382 EA 2" Diameter, 316 Stainless Steel Hex Nut	86.88	0.67
05 05 23 00-1383 Flat Washers <small>(05 05 23 00-1283)</small>		
05 05 23 00-1384 Zinc Plated Steel, Low Carbon Flat Washers <small>(05 05 23 00-1383)</small>		
05 05 23 00-1385 EA 1/4" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	0.03	
05 05 23 00-1386 EA 5/16" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	0.04	
05 05 23 00-1387 EA 3/8" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	0.08	
05 05 23 00-1388 EA 7/16" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	0.12	
05 05 23 00-1389 EA 1/2" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	0.17	
05 05 23 00-1390 EA 9/16" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	0.19	
05 05 23 00-1391 EA 5/8" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	0.33	
05 05 23 00-1392 EA 3/4" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	0.47	
05 05 23 00-1393 EA 7/8" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	0.56	
05 05 23 00-1394 EA 1" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	0.68	
05 05 23 00-1395 EA 1-1/8" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	0.77	
05 05 23 00-1396 EA 1-1/4" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	0.92	
05 05 23 00-1397 EA 1-3/8" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	1.45	
05 05 23 00-1398 EA 1-1/2" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	1.48	
05 05 23 00-1399 EA 1-3/4" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	2.20	
05 05 23 00-1400 EA 2" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	2.73	
05 05 23 00-1401 Zinc Plated Steel, Hardened Flat Washers <small>(05 05 23 00-1383)</small>		

05 Metals**05 05 Common Work Results For Metals****05 05 23 Metal Fastenings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-1402	EA		1/4" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer.....	0.10	
05 05 23 00-1403	EA		5/16" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer.....	0.14	
05 05 23 00-1404	EA		3/8" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer.....	0.16	
05 05 23 00-1405	EA		7/16" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer.....	0.21	
05 05 23 00-1406	EA		1/2" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer.....	0.29	
05 05 23 00-1407	EA		9/16" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer.....	0.47	
05 05 23 00-1408	EA		5/8" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer.....	0.67	
05 05 23 00-1409	EA		3/4" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer.....	0.94	
05 05 23 00-1410	EA		7/8" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer.....	1.58	
05 05 23 00-1411	EA		1" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer.....	1.75	
05 05 23 00-1412	EA		1-1/8" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer.....	2.54	
05 05 23 00-1413	EA		1-1/4" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer.....	2.78	
05 05 23 00-1414	EA		1-3/8" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer.....	3.66	
05 05 23 00-1415	EA		1-1/2" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer.....	4.18	
05 05 23 00-1416	EA		1-3/4" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer.....	5.62	
05 05 23 00-1417	EA		2" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer.....	6.75	
05 05 23 00-1418			Hot Dipped Galvanized Steel Flat Washers (05 05 23 00-1383)		
05 05 23 00-1419	EA		1/4" Inside Diameter, Hot Dipped Galvanized Steel Flat Washer.....	0.07	
05 05 23 00-1420	EA		5/16" Inside Diameter, Hot Dipped Galvanized Steel Flat Washer.....	0.09	
05 05 23 00-1421	EA		3/8" Inside Diameter, Hot Dipped Galvanized Steel Flat Washer.....	0.11	
05 05 23 00-1422	EA		7/16" Inside Diameter, Hot Dipped Galvanized Steel Flat Washer.....	0.20	
05 05 23 00-1423	EA		1/2" Inside Diameter, Hot Dipped Galvanized Steel Flat Washer.....	0.25	
05 05 23 00-1424	EA		9/16" Inside Diameter, Hot Dipped Galvanized Steel Flat Washer.....	0.41	
05 05 23 00-1425	EA		5/8" Inside Diameter, Hot Dipped Galvanized Steel Flat Washer.....	0.46	
05 05 23 00-1426	EA		3/4" Inside Diameter, Hot Dipped Galvanized Steel Flat Washer.....	0.70	
05 05 23 00-1427	EA		7/8" Inside Diameter, Hot Dipped Galvanized Steel Flat Washer.....	0.98	
05 05 23 00-1428	EA		1" Inside Diameter, Hot Dipped Galvanized Steel Flat Washer.....	1.08	
05 05 23 00-1429	EA		1-1/8" Inside Diameter, Hot Dipped Galvanized Steel Flat Washer.....	1.65	
05 05 23 00-1430	EA		1-1/4" Inside Diameter, Hot Dipped Galvanized Steel Flat Washer.....	1.84	
05 05 23 00-1431	EA		1-3/8" Inside Diameter, Hot Dipped Galvanized Steel Flat Washer.....	2.62	
05 05 23 00-1432	EA		1-1/2" Inside Diameter, Hot Dipped Galvanized Steel Flat Washer.....	2.84	
05 05 23 00-1433	EA		1-3/4" Inside Diameter, Hot Dipped Galvanized Steel Flat Washer.....	4.12	
05 05 23 00-1434			304/18-8 Stainless Steel Flat Washers (05 05 23 00-1383)		
05 05 23 00-1435	EA		1/4" Inside Diameter, 304/18-8 Stainless Steel Flat Washer.....	0.08	
05 05 23 00-1436	EA		5/16" Inside Diameter, 304/18-8 Stainless Steel Flat Washer.....	0.11	
05 05 23 00-1437	EA		3/8" Inside Diameter, 304/18-8 Stainless Steel Flat Washer.....	0.15	
05 05 23 00-1438	EA		7/16" Inside Diameter, 304/18-8 Stainless Steel Flat Washer.....	0.28	
05 05 23 00-1439	EA		1/2" Inside Diameter, 304/18-8 Stainless Steel Flat Washer.....	0.51	
05 05 23 00-1440	EA		9/16" Inside Diameter, 304/18-8 Stainless Steel Flat Washer.....	0.64	
05 05 23 00-1441	EA		5/8" Inside Diameter, 304/18-8 Stainless Steel Flat Washer.....	0.94	
05 05 23 00-1442	EA		3/4" Inside Diameter, 304/18-8 Stainless Steel Flat Washer.....	0.95	
05 05 23 00-1443	EA		7/8" Inside Diameter, 304/18-8 Stainless Steel Flat Washer.....	2.01	
05 05 23 00-1444	EA		1" Inside Diameter, 304/18-8 Stainless Steel Flat Washer.....	2.54	
05 05 23 00-1445	EA		1-1/8" Inside Diameter, 304/18-8 Stainless Steel Flat Washer.....	2.96	
05 05 23 00-1446	EA		1-1/4" Inside Diameter, 304/18-8 Stainless Steel Flat Washer.....	3.19	
05 05 23 00-1447	EA		1-3/8" Inside Diameter, 304/18-8 Stainless Steel Flat Washer.....	3.37	
05 05 23 00-1448	EA		1-1/2" Inside Diameter, 304/18-8 Stainless Steel Flat Washer.....	4.11	
05 05 23 00-1449	EA		1-3/4" Inside Diameter, 304/18-8 Stainless Steel Flat Washer.....	5.10	
05 05 23 00-1450	EA		2" Inside Diameter, 304/18-8 Stainless Steel Flat Washer.....	10.02	
05 05 23 00-1451			316 Stainless Steel Flat Washers (05 05 23 00-1383)		
05 05 23 00-1452	EA		1/4" Inside Diameter, 316 Stainless Steel Flat Washer.....	0.16	
05 05 23 00-1453	EA		5/16" Inside Diameter, 316 Stainless Steel Flat Washer.....	0.17	
05 05 23 00-1454	EA		3/8" Inside Diameter, 316 Stainless Steel Flat Washer.....	0.30	
05 05 23 00-1455	EA		7/16" Inside Diameter, 316 Stainless Steel Flat Washer.....	0.36	
05 05 23 00-1456	EA		1/2" Inside Diameter, 316 Stainless Steel Flat Washer.....	0.66	
05 05 23 00-1457	EA		9/16" Inside Diameter, 316 Stainless Steel Flat Washer.....	1.19	
05 05 23 00-1458	EA		5/8" Inside Diameter, 316 Stainless Steel Flat Washer.....	1.40	
05 05 23 00-1459	EA		3/4" Inside Diameter, 316 Stainless Steel Flat Washer.....	1.77	
05 05 23 00-1460	EA		7/8" Inside Diameter, 316 Stainless Steel Flat Washer.....	2.74	
05 05 23 00-1461	EA		1" Inside Diameter, 316 Stainless Steel Flat Washer.....	3.06	
05 05 23 00-1462	EA		1-1/8" Inside Diameter, 316 Stainless Steel Flat Washer.....	3.48	
05 05 23 00-1463	EA		1-1/4" Inside Diameter, 316 Stainless Steel Flat Washer.....	4.29	
05 05 23 00-1464	EA		1-3/8" Inside Diameter, 316 Stainless Steel Flat Washer.....	4.54	
05 05 23 00-1465	EA		1-1/2" Inside Diameter, 316 Stainless Steel Flat Washer.....	4.64	
05 05 23 00-1466	EA		1-3/4" Inside Diameter, 316 Stainless Steel Flat Washer.....	6.80	
05 05 23 00-1467			Lock Washers (05 05 23 00-1283)		
05 05 23 00-1468			Zinc Plated Steel, Low Carbon Lock Washers (05 05 23 00-1467)		
05 05 23 00-1469	EA		1/4" Inside Diameter, Zinc Plated Steel, Low Carbon Lock Washer.....	0.01	
05 05 23 00-1470	EA		5/16" Inside Diameter, Zinc Plated Steel, Low Carbon Lock Washer.....	0.02	
05 05 23 00-1471	EA		3/8" Inside Diameter, Zinc Plated Steel, Low Carbon Lock Washer.....	0.03	
05 05 23 00-1472	EA		7/16" Inside Diameter, Zinc Plated Steel, Low Carbon Lock Washer.....	0.05	
05 05 23 00-1473	EA		1/2" Inside Diameter, Zinc Plated Steel, Low Carbon Lock Washer.....	0.07	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-1474 EA 9/16" Inside Diameter, Zinc Plated Steel, Low Carbon Lock Washer	0.11	
05 05 23 00-1475 EA 5/8" Inside Diameter, Zinc Plated Steel, Low Carbon Lock Washer	0.12	
05 05 23 00-1476 EA 3/4" Inside Diameter, Zinc Plated Steel, Low Carbon Lock Washer	0.19	
05 05 23 00-1477 EA 7/8" Inside Diameter, Zinc Plated Steel, Low Carbon Lock Washer	0.31	
05 05 23 00-1478 EA 1" Inside Diameter, Zinc Plated Steel, Low Carbon Lock Washer	0.56	
05 05 23 00-1479 EA 1-1/8" Inside Diameter, Zinc Plated Steel, Low Carbon Lock Washer	0.82	
05 05 23 00-1480 EA 1-1/4" Inside Diameter, Zinc Plated Steel, Low Carbon Lock Washer	1.25	
05 05 23 00-1481 EA 1-3/8" Inside Diameter, Zinc Plated Steel, Low Carbon Lock Washer	1.98	
05 05 23 00-1482 EA 1-1/2" Inside Diameter, Zinc Plated Steel, Low Carbon Lock Washer	2.33	
05 05 23 00-1483 EA 1-3/4" Inside Diameter, Zinc Plated Steel, Low Carbon Lock Washer	4.16	
05 05 23 00-1484 EA 2" Inside Diameter, Zinc Plated Steel, Low Carbon Lock Washer	4.69	
05 05 23 00-1485 Hot Dipped Galvanized Steel Lock Washers <small>(05 05 23 00-1467)</small>		
05 05 23 00-1486 EA 1/4" Inside Diameter, Hot Dipped Galvanized Steel Lock Washer	0.05	
05 05 23 00-1487 EA 5/16" Inside Diameter, Hot Dipped Galvanized Steel Lock Washer	0.06	
05 05 23 00-1488 EA 3/8" Inside Diameter, Hot Dipped Galvanized Steel Lock Washer	0.08	
05 05 23 00-1489 EA 7/16" Inside Diameter, Hot Dipped Galvanized Steel Lock Washer	0.09	
05 05 23 00-1490 EA 1/2" Inside Diameter, Hot Dipped Galvanized Steel Lock Washer	0.14	
05 05 23 00-1491 EA 9/16" Inside Diameter, Hot Dipped Galvanized Steel Lock Washer	0.18	
05 05 23 00-1492 EA 5/8" Inside Diameter, Hot Dipped Galvanized Steel Lock Washer	0.21	
05 05 23 00-1493 EA 3/4" Inside Diameter, Hot Dipped Galvanized Steel Lock Washer	0.36	
05 05 23 00-1494 EA 7/8" Inside Diameter, Hot Dipped Galvanized Steel Lock Washer	0.52	
05 05 23 00-1495 EA 1" Inside Diameter, Hot Dipped Galvanized Steel Lock Washer	0.82	
05 05 23 00-1496 EA 1-1/8" Inside Diameter, Hot Dipped Galvanized Steel Lock Washer	1.48	
05 05 23 00-1497 EA 1-1/4" Inside Diameter, Hot Dipped Galvanized Steel Lock Washer	1.76	
05 05 23 00-1498 EA 1-3/8" Inside Diameter, Hot Dipped Galvanized Steel Lock Washer	2.54	
05 05 23 00-1499 EA 1-1/2" Inside Diameter, Hot Dipped Galvanized Steel Lock Washer	2.91	
05 05 23 00-1500 EA 1-3/4" Inside Diameter, Hot Dipped Galvanized Steel Lock Washer	3.94	
05 05 23 00-1501 EA 2" Inside Diameter, Hot Dipped Galvanized Steel Lock Washer	5.36	
05 05 23 00-1502 304/18-8 Stainless Steel Lock Washers <small>(05 05 23 00-1467)</small>		
05 05 23 00-1503 EA 1/4" Inside Diameter, 304/18-8 Stainless Steel Lock Washer	0.07	
05 05 23 00-1504 EA 5/16" Inside Diameter, 304/18-8 Stainless Steel Lock Washer	0.09	
05 05 23 00-1505 EA 3/8" Inside Diameter, 304/18-8 Stainless Steel Lock Washer	0.13	
05 05 23 00-1506 EA 7/16" Inside Diameter, 304/18-8 Stainless Steel Lock Washer	0.24	
05 05 23 00-1507 EA 1/2" Inside Diameter, 304/18-8 Stainless Steel Lock Washer	0.27	
05 05 23 00-1508 EA 9/16" Inside Diameter, 304/18-8 Stainless Steel Lock Washer	0.66	
05 05 23 00-1509 EA 5/8" Inside Diameter, 304/18-8 Stainless Steel Lock Washer	0.77	
05 05 23 00-1510 EA 3/4" Inside Diameter, 304/18-8 Stainless Steel Lock Washer	0.90	
05 05 23 00-1511 EA 7/8" Inside Diameter, 304/18-8 Stainless Steel Lock Washer	1.63	
05 05 23 00-1512 EA 1" Inside Diameter, 304/18-8 Stainless Steel Lock Washer	2.30	
05 05 23 00-1513 EA 1-1/8" Inside Diameter, 304/18-8 Stainless Steel Lock Washer	4.02	
05 05 23 00-1514 EA 1-1/4" Inside Diameter, 304/18-8 Stainless Steel Lock Washer	5.35	
05 05 23 00-1515 EA 1-3/8" Inside Diameter, 304/18-8 Stainless Steel Lock Washer	6.80	
05 05 23 00-1516 EA 1-1/2" Inside Diameter, 304/18-8 Stainless Steel Lock Washer	8.16	
05 05 23 00-1517 316 Stainless Steel Lock Washers <small>(05 05 23 00-1467)</small>		
05 05 23 00-1518 EA 1/4" Inside Diameter, 316 Stainless Steel Lock Washer	0.08	
05 05 23 00-1519 EA 5/16" Inside Diameter, 316 Stainless Steel Lock Washer	0.18	
05 05 23 00-1520 EA 3/8" Inside Diameter, 316 Stainless Steel Lock Washer	0.21	
05 05 23 00-1521 EA 7/16" Inside Diameter, 316 Stainless Steel Lock Washer	0.35	
05 05 23 00-1522 EA 1/2" Inside Diameter, 316 Stainless Steel Lock Washer	0.39	
05 05 23 00-1523 EA 9/16" Inside Diameter, 316 Stainless Steel Lock Washer	0.70	
05 05 23 00-1524 EA 5/8" Inside Diameter, 316 Stainless Steel Lock Washer	0.77	
05 05 23 00-1525 EA 3/4" Inside Diameter, 316 Stainless Steel Lock Washer	1.33	
05 05 23 00-1526 EA 7/8" Inside Diameter, 316 Stainless Steel Lock Washer	2.19	
05 05 23 00-1527 EA 1" Inside Diameter, 316 Stainless Steel Lock Washer	2.98	
05 05 23 00-1528 EA 1-1/8" Inside Diameter, 316 Stainless Steel Lock Washer	4.16	
05 05 23 00-1529 EA 1-1/4" Inside Diameter, 316 Stainless Steel Lock Washer	6.41	
05 05 23 00-1530 EA 1-3/8" Inside Diameter, 316 Stainless Steel Lock Washer	11.47	
05 05 23 00-1531 EA 1-1/2" Inside Diameter, 316 Stainless Steel Lock Washer	12.74	
05 05 23 00-1532 Load Indicating Washers <small>(05 05 23 00-1283)</small>		
05 05 23 00-1533 A325, Direct Tension Indicator, Load Indicating Washers (ASTM F959) <small>(05 05 23 00-1532)</small>		
05 05 23 00-1534 Plain Finish, A325, Direct Tension Indicator, Load Indicating Washers (ASTM F959) <small>(05 05 23 00-1533)</small>		
05 05 23 00-1535 EA 1/2", Plain Finish, A325, Direct Tension Indicator, Load Indicating Washer (ASTM F959)	1.36	
05 05 23 00-1536 EA 5/8", Plain Finish, A325, Direct Tension Indicator, Load Indicating Washer (ASTM F959)	1.54	
05 05 23 00-1537 EA 3/4", Plain Finish, A325, Direct Tension Indicator, Load Indicating Washer (ASTM F959)	1.66	
05 05 23 00-1538 EA 7/8", Plain Finish, A325, Direct Tension Indicator, Load Indicating Washer (ASTM F959)	1.88	
05 05 23 00-1539 EA 1", Plain Finish, A325, Direct Tension Indicator, Load Indicating Washer (ASTM F959)	2.27	
05 05 23 00-1540 EA 1-1/8", Plain Finish, A325, Direct Tension Indicator, Load Indicating Washer (ASTM F959)	3.78	
05 05 23 00-1541 EA 1-1/4", Plain Finish, A325, Direct Tension Indicator, Load Indicating Washer (ASTM F959)	4.88	
05 05 23 00-1542 EA 1-3/8", Plain Finish, A325, Direct Tension Indicator, Load Indicating Washer (ASTM F959)	6.23	

05 Metals**05 05 Common Work Results For Metals****05 05 23 Metal Fastenings**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-1543 EA 1-1/2", Plain Finish, A325, Direct Tension Indicator, Load Indicating Washer (ASTM F959).....	6.86	
05 05 23 00-1544 Galvanized, A325, Direct Tension Indicator, Load Indicating Washers (ASTM F959) (05 05 23 00-1533)		
05 05 23 00-1545 EA 1/2", Galvanized, A325, Direct Tension Indicator, Load Indicating Washer (ASTM F959).....	1.72	
05 05 23 00-1546 EA 5/8", Galvanized, A325, Direct Tension Indicator, Load Indicating Washer (ASTM F959).....	1.91	
05 05 23 00-1547 EA 3/4", Galvanized, A325, Direct Tension Indicator, Load Indicating Washer (ASTM F959).....	1.86	
05 05 23 00-1548 EA 7/8", Galvanized, A325, Direct Tension Indicator, Load Indicating Washer (ASTM F959).....	2.27	
05 05 23 00-1549 EA 1", Galvanized, A325, Direct Tension Indicator, Load Indicating Washer (ASTM F959).....	2.69	
05 05 23 00-1550 EA 1-1/8", Galvanized, A325, Direct Tension Indicator, Load Indicating Washer (ASTM F959).....	4.06	
05 05 23 00-1551 EA 1-1/4", Galvanized, A325, Direct Tension Indicator, Load Indicating Washer (ASTM F959).....	5.11	
05 05 23 00-1552 EA 1-3/8", Galvanized, A325, Direct Tension Indicator, Load Indicating Washer (ASTM F959).....	7.27	
05 05 23 00-1553 EA 1-1/2", Galvanized, A325, Direct Tension Indicator, Load Indicating Washer (ASTM F959).....	8.00	
05 05 23 00-1554 Beveled Washers (05 05 23 00-1283)		
05 05 23 00-1555 Plain Finish, Square Beveled Structural Washers (ASTM F436) (05 05 23 00-1554)		
05 05 23 00-1556 EA 1/2", Plain Finish, Square Beveled Structural Washer (ASTM F436).....	2.24	
05 05 23 00-1557 EA 5/8", Plain Finish, Square Beveled Structural Washer (ASTM F436).....	2.29	
05 05 23 00-1558 EA 3/4", Plain Finish, Square Beveled Structural Washer (ASTM F436).....	2.34	
05 05 23 00-1559 EA 7/8", Plain Finish, Square Beveled Structural Washer (ASTM F436).....	2.84	
05 05 23 00-1560 EA 1", Plain Finish, Square Beveled Structural Washer (ASTM F436).....	2.99	
05 05 23 00-1561 Galvanized, Square Beveled Structural Washers (ASTM F436) (05 05 23 00-1554)		
05 05 23 00-1562 EA 1/2", Galvanized, Square Beveled Structural Washer (ASTM F436).....	3.22	
05 05 23 00-1563 EA 5/8", Galvanized, Square Beveled Structural Washer (ASTM F436).....	3.37	
05 05 23 00-1564 EA 3/4", Galvanized, Square Beveled Structural Washer (ASTM F436).....	3.37	
05 05 23 00-1565 EA 7/8", Galvanized, Square Beveled Structural Washer (ASTM F436).....	3.56	
05 05 23 00-1566 EA 1", Galvanized, Square Beveled Structural Washer (ASTM F436).....	3.79	
05 05 23 00-1567 Drilling In Steel Plates (05 05 23)		
05 05 23 00-1568 EA Up To 1/2" Diameter Drill Through Up To 1/4" Steel Plate.....	15.12	
For Aluminum, Deduct	-1.51	
For Stainless Steel, Add	1.89	
05 05 23 00-1569 EA >1/2" To 7/8" Diameter Drill Through Up To 1/4" Steel Plate.....	17.79	
For Aluminum, Deduct	-1.78	
For Stainless Steel, Add	2.22	
05 05 23 00-1570 EA >7/8" To 1-1/2" Diameter Drill Through Up To 1/4" Steel Plate.....	21.36	
For Aluminum, Deduct	-2.14	
For Stainless Steel, Add	2.67	
05 05 23 00-1571 EA >1-1/2" To 4" Diameter Drill Through Up To 1/4" Steel Plate.....	24.91	
For Aluminum, Deduct	-2.49	
For Stainless Steel, Add	3.11	
05 05 23 00-1572 EA >4" To 10" Diameter Drill Through Up To 1/4" Steel Plate.....	33.36	
For Aluminum, Deduct	-3.34	
For Stainless Steel, Add	4.17	
05 05 23 00-1573 EA Up To 1/2" Diameter Drill Through >1/4" To 1/2" Steel Plate.....	17.79	
For Aluminum, Deduct	-1.78	
For Stainless Steel, Add	2.22	
05 05 23 00-1574 EA >1/2" To 7/8" Diameter Drill Through >1/4" To 1/2" Steel Plate.....	22.24	
For Aluminum, Deduct	-2.22	
For Stainless Steel, Add	2.78	
05 05 23 00-1575 EA >7/8" To 1-1/2" Diameter Drill Through >1/4" To 1/2" Steel Plate.....	26.69	
For Aluminum, Deduct	-2.67	
For Stainless Steel, Add	3.34	
05 05 23 00-1576 EA >1-1/2" To 4" Diameter Drill Through >1/4" To 1/2" Steel Plate.....	33.36	
For Aluminum, Deduct	-3.34	
For Stainless Steel, Add	4.17	
05 05 23 00-1577 EA Up To 1/2" Diameter Drill Through >1/2" To 1" Steel Plate.....	22.24	
For Aluminum, Deduct	-2.22	
For Stainless Steel, Add	2.78	
05 05 23 00-1578 EA >1/2" To 7/8" Diameter Drill Through >1/2" To 1" Steel Plate.....	29.36	
For Aluminum, Deduct	-2.94	
For Stainless Steel, Add	3.67	
05 05 23 00-1579 EA >7/8" To 1-1/2" Diameter Drill Through >1/2" To 1" Steel Plate.....	35.59	
05 05 23 00-1580 Welded Stud Anchors (05 05 23)		
05 05 23 00-1581 EA 1/4" Diameter x 1-1/8" Long, Welded Stud Concrete Anchors.....	2.24	
05 05 23 00-1582 EA 1/4" Diameter x 2-1/16" Long, Welded Stud Concrete Anchors.....	2.27	
05 05 23 00-1583 EA 1/4" Diameter x 3-1/8" Long, Welded Stud Concrete Anchors.....	2.28	
05 05 23 00-1584 EA 1/4" Diameter x 4-1/8" Long, Welded Stud Concrete Anchors.....	2.29	
05 05 23 00-1585 EA 3/8" Diameter x 1-3/8" Long, Welded Stud Concrete Anchors.....	2.35	
05 05 23 00-1586 EA 3/8" Diameter x 1-5/8" Long, Welded Stud Concrete Anchors.....	2.42	
05 05 23 00-1587 EA 3/8" Diameter x 2-1/8" Long, Welded Stud Concrete Anchors.....	2.48	
05 05 23 00-1588 EA 3/8" Diameter x 2-5/8" Long, Welded Stud Concrete Anchors.....	2.52	
05 05 23 00-1589 EA 3/8" Diameter x 3-1/8" Long, Welded Stud Concrete Anchors.....	2.55	
05 05 23 00-1590 EA 3/8" Diameter x 4-1/8" Long, Welded Stud Concrete Anchors.....	2.69	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-1591 EA 3/8" Diameter x 5-1/8" Long, Welded Stud Concrete Anchors.....	2.80	
05 05 23 00-1592 EA 3/8" Diameter x 6-1/8" Long, Welded Stud Concrete Anchors.....	2.89	
05 05 23 00-1593 EA 1/2" Diameter x 1-1/2" Long, Welded Stud Concrete Anchors.....	2.74	
05 05 23 00-1594 EA 1/2" Diameter x 1-5/8" Long, Welded Stud Concrete Anchors.....	2.75	
05 05 23 00-1595 EA 1/2" Diameter x 2-1/8" Long, Welded Stud Concrete Anchors.....	2.86	
05 05 23 00-1596 EA 1/2" Diameter x 2-5/8" Long, Welded Stud Concrete Anchors.....	2.95	
05 05 23 00-1597 EA 1/2" Diameter x 3-1/8" Long, Welded Stud Concrete Anchors.....	3.07	
05 05 23 00-1598 EA 1/2" Diameter x 4-1/8" Long, Welded Stud Concrete Anchors.....	3.26	
05 05 23 00-1599 EA 1/2" Diameter x 5-5/16" Long, Welded Stud Concrete Anchors.....	3.38	
05 05 23 00-1600 EA 1/2" Diameter x 6-1/8" Long, Welded Stud Concrete Anchors.....	3.71	
05 05 23 00-1601 EA 1/2" Diameter x 8-1/8" Long, Welded Stud Concrete Anchors.....	4.33	
05 05 23 00-1602 EA 5/8" Diameter x 2-11/16" Long, Welded Stud Concrete Anchors.....	3.57	
05 05 23 00-1603 EA 5/8" Diameter x 3-3/16" Long, Welded Stud Concrete Anchors.....	3.72	
05 05 23 00-1604 EA 5/8" Diameter x 3-11/16" Long, Welded Stud Concrete Anchors.....	3.85	
05 05 23 00-1605 EA 5/8" Diameter x 4-3/16" Long, Welded Stud Concrete Anchors.....	3.98	
05 05 23 00-1606 EA 5/8" Diameter x 4-11/16" Long, Welded Stud Concrete Anchors.....	4.08	
05 05 23 00-1607 EA 5/8" Diameter x 5-3/16" Long, Welded Stud Concrete Anchors.....	4.18	
05 05 23 00-1608 EA 5/8" Diameter x 6-3/16" Long, Welded Stud Concrete Anchors.....	4.31	
05 05 23 00-1609 EA 5/8" Diameter x 6-9/16" Long, Welded Stud Concrete Anchors.....	4.84	
05 05 23 00-1610 EA 5/8" Diameter x 8-3/16" Long, Welded Stud Concrete Anchors.....	5.58	

05 05 23 00-1611 Welded Shear Stud Connector (05 05 23)

05 05 23 00-1612 3/4" Diameter Welded Shear Stud Connector (05 05 23 00-1611)

05 05 23 00-1613 EA 3/4" Diameter x 3-3/16" Long, Welded Shear Stud Connector.....	4.38	
05 05 23 00-1614 EA 3/4" Diameter x 3-3/8" Long, Welded Shear Stud Connector.....	4.49	
05 05 23 00-1615 EA 3/4" Diameter x 3-7/8" Long, Welded Shear Stud Connector.....	4.52	
05 05 23 00-1616 EA 3/4" Diameter x 4-3/16" Long, Welded Shear Stud Connector.....	4.53	
05 05 23 00-1617 EA 3/4" Diameter x 4-3/8" Long, Welded Shear Stud Connector.....	4.66	
05 05 23 00-1618 EA 3/4" Diameter x 4-11/16" Long, Welded Shear Stud Connector.....	4.89	
05 05 23 00-1619 EA 3/4" Diameter x 4-7/8" Long, Welded Shear Stud Connector.....	7.15	
05 05 23 00-1620 EA 3/4" Diameter x 5-3/16" Long, Welded Shear Stud Connector.....	5.17	
05 05 23 00-1621 EA 3/4" Diameter x 5-3/8" Long, Welded Shear Stud Connector.....	5.58	
05 05 23 00-1622 EA 3/4" Diameter x 6-3/16" Long, Welded Shear Stud Connector.....	8.05	
05 05 23 00-1623 EA 3/4" Diameter x 7-3/16" Long, Welded Shear Stud Connector.....	8.18	
05 05 23 00-1624 EA 3/4" Diameter x 8-3/16" Long, Welded Shear Stud Connector.....	8.63	
05 05 23 00-1625 EA 3/4" Diameter x 10-3/16" Long, Welded Shear Stud Connector.....	10.52	

05 05 23 00-1626 7/8" Diameter Welded Shear Stud Connector (05 05 23 00-1611)

05 05 23 00-1627 EA 7/8" Diameter x 3-3/16" Long, Welded Shear Stud Connector.....	4.94	
05 05 23 00-1628 EA 7/8" Diameter x 3-11/16" Long, Welded Shear Stud Connector.....	5.12	
05 05 23 00-1629 EA 7/8" Diameter x 4-3/16" Long, Welded Shear Stud Connector.....	5.30	
05 05 23 00-1630 EA 7/8" Diameter x 5-3/16" Long, Welded Shear Stud Connector.....	5.82	
05 05 23 00-1631 EA 7/8" Diameter x 6-3/16" Long, Welded Shear Stud Connector.....	8.33	
05 05 23 00-1632 EA 7/8" Diameter x 7-3/16" Long, Welded Shear Stud Connector.....	8.87	
05 05 23 00-1633 EA 7/8" Diameter x 8-3/16" Long, Welded Shear Stud Connector.....	9.41	
05 05 23 00-1634 EA 7/8" Diameter x 10-3/16" Long, Welded Shear Stud Connector.....	10.93	

05 05 23 00-1635 1" Diameter Welded Shear Stud Connector (05 05 23 00-1611)

05 05 23 00-1636 EA 1" Diameter x 3-1/4" Long, Welded Shear Stud Connector.....	6.12	
05 05 23 00-1637 EA 1" Diameter x 4-1/4" Long, Welded Shear Stud Connector.....	6.67	
05 05 23 00-1638 EA 1" Diameter x 5-1/4" Long, Welded Shear Stud Connector.....	7.49	
05 05 23 00-1639 EA 1" Diameter x 6-1/4" Long, Welded Shear Stud Connector.....	10.37	
05 05 23 00-1640 EA 1" Diameter x 7-1/4" Long, Welded Shear Stud Connector.....	11.23	
05 05 23 00-1641 EA 1" Diameter x 8-1/4" Long, Welded Shear Stud Connector.....	12.09	

05 10 Structural Metal Framing (05)

05 12 Structural Steel Framing (05 10)

05 12 23 Structural Steel For Buildings (05 12)

Note: Prices are based on ASTM A992/A36 steel with bolted standard beam connections and shop primed with red primer paint. Stock sections only. Includes shop fabrication into sub-assemblies and delivery to site, all connecting bolts, connecting welds, and crane for erection. Excludes moment connection welding. See CSI section 05 12 23 00-0117 for field fabrication of additional structural metal connections, 05 12 23 00-0132 for moment connection welding.

05 12 23 00-0001 Rolled Steel Members (05 12 23)

05 12 23 00-0002 Beams, Girders And Columns (05 12 23 00-0001)

Note: For one and two story I beams and W shapes and HP shapes.

05 12 23 00-0003	TON Up To 30 LB/LF Beams, Girders And Columns.....	6,118.34	986.15
	For ASTM A242 Type 2 High Strength Steel, Add	326.26	
	For Hot Dip Galvanizing, Add	1,141.90	
05 12 23 00-0004	TON >30-65 LB/LF Beams, Girders And Columns.....	4,027.07	637.47
	For ASTM A242 Type 2 High Strength Steel, Add	267.76	
	For Hot Dip Galvanizing, Add	937.17	

05 Metals**05 10 Structural Metal Framing****05 12 Structural Steel Framing**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0005 TON >65-100 LB/LF Beams, Girders And Columns..... <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i>	3,353.96 237.72 832.00	358.61
05 12 23 00-0006 TON >100-300 LB/LF Beams, Girders And Columns..... <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i>	2,235.34 162.51 568.77	190.87
05 12 23 00-0007 Trusses, Built-Up (05 12 23 00-0001)		
05 12 23 00-0008 TON Built-Up Trusses, Rolled Structural Steel Members..... <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i>	4,270.93 284.48 995.66	670.66
05 12 23 00-0009 Shapes (05 12 23 00-0001)		
05 12 23 00-0010 Rolled Shape Steel Angles (05 12 23 00-0009)		
05 12 23 00-0011 TON Up To 10 LB/LF Rolled Shape Steel Angles..... <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i>	8,944.92 471.16 1,649.07	1,833.24
05 12 23 00-0012 TON >10-20 LB/LF Rolled Shape Steel Angles..... <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i>	7,674.06 450.72 1,577.50	1,075.85
05 12 23 00-0013 TON >20-58 LB/LF Rolled Shape Steel Angles..... <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i>	5,636.02 396.49 1,387.71	637.47
05 12 23 00-0014 Rolled C, MC Steel Channels (05 12 23 00-0009)		
05 12 23 00-0015 TON Up To 10 LB/LF Rolled C, MC Steel Channels..... <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i>	10,004.17 464.05 1,624.18	2,510.30
05 12 23 00-0016 TON >10-20 LB/LF Rolled C, MC Steel Channels..... <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i>	7,596.28 444.49 1,555.72	1,912.61
05 12 23 00-0017 TON >20-58 LB/LF Rolled C, MC Steel Channels..... <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i>	5,547.12 389.38 1,362.81	637.47
05 12 23 00-0018 Double L Shape Steel Angles (05 12 23 00-0009)		
05 12 23 00-0019 TON Up To 20 LB/LF Double L Shape Steel Angles..... <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i>	8,213.44 453.38 1,586.84	1,454.54
05 12 23 00-0020 TON >20-50 LB/LF Double L Shape Steel Angles..... <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i>	6,013.84 426.71 1,493.49	637.47
05 12 23 00-0021 TON >50-80 LB/LF Double L Shape Steel Angles..... <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i>	4,494.08 328.92 1,151.24	358.61
05 12 23 00-0022 TON >80-115 LB/LF Double L Shape Steel Angles..... <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i>	2,870.66 213.36 746.75	191.17
05 12 23 00-0023 Structural WT, MT, ST Tee Shapes (05 12 23 00-0001)		
05 12 23 00-0024 TON Up To 30 LB/LF Structural WT, MT, ST Tee Shapes..... <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i>	7,374.03 426.71 1,493.49	1,075.85
05 12 23 00-0025 TON >30-65 LB/LF Structural WT, MT, ST Tee Shapes..... <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i>	4,758.26 326.26 1,141.90	637.47
05 12 23 00-0026 TON >65-100 LB/LF Structural WT, MT, ST Tee Shapes..... <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i>	3,716.21 266.70 933.43	358.61
05 12 23 00-0027 TON >100-365 LB/LF Structural WT, MT, ST Tee Shapes..... <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i>	2,715.39 200.91 703.19	190.87
05 12 23 00-0028 Combination Section Shapes (05 12 23 00-0001)		
05 12 23 00-0029 Combination Section, W Shapes And Angles (05 12 23 00-0028)		
05 12 23 00-0030 TON Up To 30 LB/LF Combination Section - W Shapes And Angles..... <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i>	7,029.55 399.15 1,397.04	1,075.85
05 12 23 00-0031 TON >30-65 LB/LF Combination Section - W Shapes And Angles..... <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i>	4,791.60 328.92 1,151.24	637.47
05 12 23 00-0032 TON >65-100 LB/LF Combination Section - W Shapes And Angles..... <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i>	3,438.40 244.47 855.65	358.61



Metals	05
Structural Metal Framing	05 10
Structural Steel Framing	05 12

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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0033 TON >100-300 LB/LF Combination Section - W Shapes And Angles <i>For ASTM A242 Type 2 High Strength Steel, Add For Hot Dip Galvanizing, Add</i>	2,937.33 218.69 765.42	190.87
05 12 23 00-0034 TON >300-500 LB/LF Combination Section - W Shapes And Angles <i>For ASTM A242 Type 2 High Strength Steel, Add For Hot Dip Galvanizing, Add</i>	2,513.38 192.91 675.19	95.82
05 12 23 00-0035 Combination Section, S Shapes And Angles (05 12 23 00-0028)		
05 12 23 00-0036 TON >30-65 LB/LF Combination Section - S Shapes And Angles <i>For ASTM A242 Type 2 High Strength Steel, Add For Hot Dip Galvanizing, Add</i>	4,613.80 314.70 1,101.45	637.47
05 12 23 00-0037 TON >65-100 LB/LF Combination Section - S Shapes And Angles <i>For ASTM A242 Type 2 High Strength Steel, Add For Hot Dip Galvanizing, Add</i>	3,449.52 245.36 858.76	358.61
05 12 23 00-0038 Combination Section, Channels And Angles (05 12 23 00-0028)		
05 12 23 00-0039 TON Up To 30 LB/LF Combination Section - Channels And Angles <i>For ASTM A242 Type 2 High Strength Steel, Add For Hot Dip Galvanizing, Add</i>	7,374.03 426.71 1,493.49	1,075.85
05 12 23 00-0040 TON >30-65 LB/LF Combination Section - Channels And Angles <i>For ASTM A242 Type 2 High Strength Steel, Add For Hot Dip Galvanizing, Add</i>	5,013.84 346.70 1,213.46	637.47
05 12 23 00-0041 TON >65-100 LB/LF Combination Section - Channels And Angles <i>For ASTM A242 Type 2 High Strength Steel, Add For Hot Dip Galvanizing, Add</i>	3,527.30 251.58 880.54	358.61
05 12 23 00-0042 Standard Weight Pipe (05 12 23 00-0001)		
05 12 23 00-0043 TON 1/2" To 5" Diameter Standard Weight Pipe <i>For ASTM A242 Type 2 High Strength Steel, Add For Hot Dip Galvanizing, Add</i>	4,079.08 277.36 970.77	573.78
05 12 23 00-0044 TON >5" To 12" Diameter Standard Weight Pipe <i>For ASTM A242 Type 2 High Strength Steel, Add For Hot Dip Galvanizing, Add</i>	4,387.66 289.81 1,014.33	717.23
05 12 23 00-0045 Structural Steel Shapes (05 12 23)		
05 12 23 00-0046 Steel Rods (05 12 23 00-0045)		
05 12 23 00-0047 TON 1/2" To 5" Diameter Extra Strong Steel, Solid <i>For ASTM A242 Type 2 High Strength Steel, Add For Hot Dip Galvanizing, Add</i>	4,345.23 309.37 1,082.78	448.32
05 12 23 00-0048 TON >5" To 12" Diameter Extra Strong Steel, Solid <i>For ASTM A242 Type 2 High Strength Steel, Add For Hot Dip Galvanizing, Add</i>	5,013.84 346.70 1,213.46	637.47
05 12 23 00-0049 Column Base Plates (05 12 23 00-0045)		
05 12 23 00-0050 LB Column Base Plates, Up To 150 LB / Each, A36 Miscellaneous Steel Items <i>For ASTM A242 Type 2 High Strength Steel, Add For Hot Dip Galvanizing, Add</i>	2.33 0.13 0.47	0.62
05 12 23 00-0051 LB Column Base Plates, >150 LB / Each, A36 Miscellaneous Steel Items <i>For ASTM A242 Type 2 High Strength Steel, Add For Hot Dip Galvanizing, Add</i>	2.17 0.13 0.44	0.53
05 12 23 00-0052 TON Column Base Plates, Up To 150 LB Each, A36 Miscellaneous Steel Items <i>For ASTM A242 Type 2 High Strength Steel, Add For Hot Dip Galvanizing, Add</i>	4,034.04 275.00 962.49	559.30
05 12 23 00-0053 TON Column Base Plates, >150 LB Each, A36 Miscellaneous Steel Items <i>For ASTM A242 Type 2 High Strength Steel, Add For Hot Dip Galvanizing, Add</i>	2,844.22 198.90 696.16	335.58
05 12 23 00-0054 Double Extra Strong Pipes (05 12 23 00-0045)		
05 12 23 00-0055 TON 2" To 5" Diameter Double Extra Strong Pipe <i>For ASTM A242 Type 2 High Strength Steel, Add For Hot Dip Galvanizing, Add</i>	5,297.04 353.82 1,238.36	819.65
05 12 23 00-0056 TON >5" To 8" Diameter Double Extra Strong Pipe <i>For ASTM A242 Type 2 High Strength Steel, Add For Hot Dip Galvanizing, Add</i>	4,671.25 336.04 1,176.13	441.33
05 12 23 00-0057 Structural Pipes (05 12 23 00-0045)		
05 12 23 00-0058 TON 3" To 5" Outside Diameter Structural Pipe, Extra Heavy A36 Miscellaneous Steel Items <i>For ASTM A242 Type 2 High Strength Steel, Add For Hot Dip Galvanizing, Add</i>	3,694.12 248.92 871.21	378.70
05 12 23 00-0059 TON >5" To 12" Outside Diameter Structural Pipe, Extra Heavy A36 Miscellaneous Steel Items <i>For ASTM A242 Type 2 High Strength Steel, Add For Hot Dip Galvanizing, Add</i>	4,074.99 248.92 871.21	436.74
05 12 23 00-0060 Structural Tubing (05 12 23 00-0045)		

05 Metals**05 10 Structural Metal Framing****05 12 Structural Steel Framing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0061			Rectangle Structural Tubing (05 12 23 00-0060)		
05 12 23 00-0062	TON	3" x 2"	Weight Range 5-7 LB/LF Structural Tubing - Rectangle.....	5,964.18	382.52
			For ASTM A242 Type 2 High Strength Steel, Add	444.49	
			For Hot Dip Galvanizing, Add	1,555.72	
05 12 23 00-0063	TON	4" x 3", 2"	Weight Range 6-13 LB/LF Structural Tubing - Rectangle.....	6,026.96	441.33
			For ASTM A242 Type 2 High Strength Steel, Add	444.49	
			For Hot Dip Galvanizing, Add	1,555.72	
05 12 23 00-0064	TON	5" x 4", 2"	Weight Range 8-20 LB/LF Structural Tubing - Rectangle.....	5,288.31	478.15
			For ASTM A242 Type 2 High Strength Steel, Add	382.26	
			For Hot Dip Galvanizing, Add	1,337.92	
05 12 23 00-0065	TON	6" x 4", 3", 2"	Weight Range 9-29 LB/LF Structural Tubing - Rectangle.....	5,056.97	573.78
			For ASTM A242 Type 2 High Strength Steel, Add	355.59	
			For Hot Dip Galvanizing, Add	1,244.58	
05 12 23 00-0066	TON	7" x 5", 4", 3"	Weight Range 12-35 LB/LF Structural Tubing - Rectangle.....	4,791.60	637.47
			For ASTM A242 Type 2 High Strength Steel, Add	328.92	
			For Hot Dip Galvanizing, Add	1,151.24	
05 12 23 00-0067	TON	8" x 6", 4", 3", 2"	Weight Range 11-42 LB/LF Structural Tubing - Rectangle.....	5,052.57	882.19
			For ASTM A242 Type 2 High Strength Steel, Add	328.92	
			For Hot Dip Galvanizing, Add	1,151.24	
05 12 23 00-0068	TON	10" x 6", 4", 2"	Weight Range 15-50 LB/LF Structural Tubing - Rectangle.....	5,444.42	1,166.22
			For ASTM A242 Type 2 High Strength Steel, Add	336.04	
			For Hot Dip Galvanizing, Add	1,176.13	
05 12 23 00-0069	TON	12" x 6", 4", 2"	Weight Range 17-76 LB/LF Structural Tubing - Rectangle.....	5,603.77	1,273.89
			For ASTM A242 Type 2 High Strength Steel, Add	339.59	
			For Hot Dip Galvanizing, Add	1,188.57	
05 12 23 00-0070	TON	14" x 10", 6", 4"	Weight Range 29-76 LB/LF Structural Tubing - Rectangle.....	5,774.98	1,434.46
			For ASTM A242 Type 2 High Strength Steel, Add	339.59	
			For Hot Dip Galvanizing, Add	1,188.57	
05 12 23 00-0071	TON	16" x 12", 8", 4"	Weight Range 40-90 LB/LF Structural Tubing - Rectangle.....	7,414.92	3,013.61
			For ASTM A242 Type 2 High Strength Steel, Add	336.04	
			For Hot Dip Galvanizing, Add	1,176.13	
05 12 23 00-0072	TON	18" x 6"	Weight Range 48-76 LB/LF Structural Tubing - Rectangle.....	6,129.45	1,912.61
			For ASTM A242 Type 2 High Strength Steel, Add	327.15	
			For Hot Dip Galvanizing, Add	1,145.01	
05 12 23 00-0073	TON	20" x 12", 8", 4"	Weight Range 48-105 LB/LF Structural Tubing - Rectangle.....	9,005.11	4,400.24
			For ASTM A242 Type 2 High Strength Steel, Add	344.93	
			For Hot Dip Galvanizing, Add	1,207.24	
05 12 23 00-0074			Square Structural Tubing (05 12 23 00-0060)		
05 12 23 00-0075	TON	2" x 2"	Weight Range 4-6 LB/LF Structural Tubing - Square.....	5,938.68	358.61
			For ASTM A242 Type 2 High Strength Steel, Add	444.49	
			For Hot Dip Galvanizing, Add	1,555.72	
05 12 23 00-0076	TON	2.5" x 2.5"	Weight Range 5-8 LB/LF Structural Tubing - Square.....	5,964.18	382.52
			For ASTM A242 Type 2 High Strength Steel, Add	444.49	
			For Hot Dip Galvanizing, Add	1,555.72	
05 12 23 00-0077	TON	3" x 3"	Weight Range 6-11 LB/LF Structural Tubing - Square.....	5,399.44	478.15
			For ASTM A242 Type 2 High Strength Steel, Add	391.15	
			For Hot Dip Galvanizing, Add	1,369.04	
05 12 23 00-0078	TON	3.5" x 3.5"	Weight Range 8-13 LB/LF Structural Tubing - Square.....	5,390.33	573.78
			For ASTM A242 Type 2 High Strength Steel, Add	382.26	
			For Hot Dip Galvanizing, Add	1,337.92	
05 12 23 00-0079	TON	4" x 4"	Weight Range 10-22 LB/LF Structural Tubing - Square.....	4,409.89	717.23
			For ASTM A242 Type 2 High Strength Steel, Add	291.59	
			For Hot Dip Galvanizing, Add	1,020.56	
05 12 23 00-0080	TON	5" x 5"	Weight Range 12-30 LB/LF Structural Tubing - Square.....	4,519.18	819.65
			For ASTM A242 Type 2 High Strength Steel, Add	291.59	
			For Hot Dip Galvanizing, Add	1,020.56	
05 12 23 00-0081	TON	6" x 6"	Weight Range 15-35 LB/LF Structural Tubing - Square.....	4,868.91	1,147.57
			For ASTM A242 Type 2 High Strength Steel, Add	291.59	
			For Hot Dip Galvanizing, Add	1,020.56	
05 12 23 00-0082	TON	7" x 7"	Weight Range 17-42 LB/LF Structural Tubing - Square.....	5,241.59	1,434.46
			For ASTM A242 Type 2 High Strength Steel, Add	296.92	
			For Hot Dip Galvanizing, Add	1,039.22	
05 12 23 00-0083	TON	8" x 8"	Weight Range 20-60 LB/LF Structural Tubing - Square.....	6,351.70	1,912.61
			For ASTM A242 Type 2 High Strength Steel, Add	344.93	
			For Hot Dip Galvanizing, Add	1,207.24	
05 12 23 00-0084	TON	10" x 10"	Weight Range 33-77 LB/LF Structural Tubing - Square.....	7,371.76	2,868.91
			For ASTM A242 Type 2 High Strength Steel, Add	344.93	
			For Hot Dip Galvanizing, Add	1,207.24	
05 12 23 00-0085	TON	12" x 12"	Weight Range 40-80 LB/LF Structural Tubing - Square.....	7,303.26	3,367.24
			For ASTM A242 Type 2 High Strength Steel, Add	296.92	
			For Hot Dip Galvanizing, Add	1,039.22	
05 12 23 00-0086	TON	14" x 14"	Weight Range 57-90 LB/LF Structural Tubing - Square.....	8,916.21	4,400.24
			For ASTM A242 Type 2 High Strength Steel, Add	337.81	
			For Hot Dip Galvanizing, Add	1,182.35	
05 12 23 00-0087	TON	16" x 16"	Weight Range 65-105 LB/LF Structural Tubing - Square.....	10,431.93	5,737.83
			For ASTM A242 Type 2 High Strength Steel, Add	344.93	
			For Hot Dip Galvanizing, Add	1,207.24	
05 12 23 00-0088			Structural Shapes (05 12 23 00-0045)		



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Structural Metal Framing	05 10
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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0089 TON Structural Shapes, Steel Angle A36 Structural Steel, Purlins And Girts (Up To 20 LB/LF).....	7,289.33	2,237.17
<i>For ASTM A242 Type 2 High Strength Steel, Add</i>	<i>299.06</i>	
<i>For Hot Dip Galvanizing, Add</i>	<i>1,046.71</i>	
<i>For >20 To 50 LB/LF, Deduct</i>	<i>-906.49</i>	
<i>For >50 To 75 LB/LF, Deduct</i>	<i>-1,448.51</i>	
<i>For >75 To 100 LB/LF, Deduct</i>	<i>-1,990.53</i>	
05 12 23 00-0090 TON Structural Shapes, Steel Plate A36 Structural Steel	4,746.01	894.87
<i>Note: Up to 21.5 LB per SF</i>		
<i>For ASTM A242 Type 2 High Strength Steel, Add</i>	<i>284.48</i>	
<i>For Hot Dip Galvanizing, Add</i>	<i>995.69</i>	
<i>For >21.5 To 50 LB/LF, Deduct</i>	<i>-534.10</i>	
05 12 23 00-0091 LB Structural Shapes, Primed Pipe Supports (Up To 20 LB/LF) .....	.272	0.20
05 12 23 00-0092 LB Structural Shapes, Galvanized Pipe Supports	3.28	0.20
05 12 23 00-0093 Built-Up Trusses (05 12 23 00-0045)		
05 12 23 00-0094 TON Up To 50 LF Span Average Weight 100 LB/LF Trusses, Built-up	4,828.72	286.89
05 12 23 00-0095 TON >50-100 LF Span Average Weight 120 LB/LF Trusses, Built-up	4,737.17	159.32
05 12 23 00-0096 TON >100-200 LF Span Average Weight 150 LB/LF Trusses, Built-up	4,201.57	84.34
05 12 23 00-0097 TON >200 LF Span Average Weight 180 LB/LF Trusses, Built-up	4,085.44	79.75
05 12 23 00-0098 Masonry Plates, Filler Plates, Sole Plates And Anchor Straps (05 12 23 00-0045)		
<i>Note: Includes shop fabrication, welds, drilling and shop primer.</i>		
05 12 23 00-0099 SF 1/4" Masonry Plates, Filler Plates, Sole Plates And Anchor Straps	18.09	6.44
05 12 23 00-0100 SF 3/8" Masonry Plates, Filler Plates, Sole Plates And Anchor Straps	27.14	9.63
05 12 23 00-0101 SF 1/2" Masonry Plates, Filler Plates, Sole Plates And Anchor Straps	36.19	12.85
05 12 23 00-0102 SF 5/8" Masonry Plates, Filler Plates, Sole Plates And Anchor Straps	45.24	16.06
05 12 23 00-0103 SF 3/4" Masonry Plates, Filler Plates, Sole Plates And Anchor Straps	54.29	19.18
05 12 23 00-0104 SF 7/8" Masonry Plates, Filler Plates, Sole Plates And Anchor Straps	63.34	22.48
05 12 23 00-0105 SF 1" Masonry Plates, Filler Plates, Sole Plates And Anchor Straps	72.38	25.69
05 12 23 00-0106 SF 1-1/8" Masonry Plates, Filler Plates, Sole Plates And Anchor Straps	81.43	28.90
05 12 23 00-0107 SF 1-1/4" Masonry Plates, Filler Plates, Sole Plates And Anchor Straps	90.47	32.11
05 12 23 00-0108 SF 1-3/8" Masonry Plates, Filler Plates, Sole Plates And Anchor Straps	99.51	35.33
05 12 23 00-0109 SF 1-1/2" Masonry Plates, Filler Plates, Sole Plates And Anchor Straps	108.56	38.54
05 12 23 00-0110 SF 1-5/8" Masonry Plates, Filler Plates, Sole Plates And Anchor Straps	117.61	41.75
05 12 23 00-0111 SF 1-3/4" Masonry Plates, Filler Plates, Sole Plates And Anchor Straps	126.66	44.96
05 12 23 00-0112 SF 1-7/8" Masonry Plates, Filler Plates, Sole Plates And Anchor Straps	135.71	48.17
05 12 23 00-0113 SF 2" Masonry Plates, Filler Plates, Sole Plates And Anchor Straps	144.76	51.38
05 12 23 00-0114 Accessories For Steel (05 12 23)		
05 12 23 00-0115 Field Painting For Touch-Up Of Shop Prime Coat (05 12 23 00-0114)		
05 12 23 00-0116 SF Touch Up Paint - Type 1 Red Oxide Field Painting Prime Coat .....	.85	
05 12 23 00-0117 Connection And Stiffener Plates (05 12 23 00-0114)		
<i>Note: For field fabrication of additional structural metal connections.</i>		
05 12 23 00-0118 TON 1/8" Plate Weight 6.16 LB/SF Connection And Stiffener Plates	10,265.87	
05 12 23 00-0119 TON 3/16" Plate Weight 8.71 LB/SF Connection And Stiffener Plates	8,758.79	
05 12 23 00-0120 TON 1/4" Plate Weight 11.26 LB/SF Connection And Stiffener Plates	6,773.35	
05 12 23 00-0121 TON 5/16" Plate Weight 13.81 LB/SF Connection And Stiffener Plates	6,773.35	
05 12 23 00-0122 TON 3/8" Plate Weight 16.37 LB/SF Connection And Stiffener Plates	6,773.35	
05 12 23 00-0123 TON 1/2" Plate Weight 21.47 LB/SF Connection And Stiffener Plates	6,773.35	
05 12 23 00-0124 TON 9/16" Plate Weight 24.02 LB/SF Connection And Stiffener Plates	6,773.35	
05 12 23 00-0125 TON 5/8" Plate Weight 26.58 LB/SF Connection And Stiffener Plates	6,773.35	
05 12 23 00-0126 TON 3/4" Plate Weight 31.68 LB/SF Connection And Stiffener Plates	6,350.02	
05 12 23 00-0127 TON 7/8" Plate Weight 36.78 LB/SF Connection And Stiffener Plates	6,350.02	
05 12 23 00-0128 TON 1" Plate Weight 41.89 LB/SF Connection And Stiffener Plates	6,350.02	
05 12 23 00-0129 Spot Welding (05 12 23 00-0114)		
<i>See CSI section 05 12 23 00-0132 for a series of welds.</i>		
05 12 23 00-0130 EA Up To 15 Spot Weldings, Welds Up To 1" Length Each	9.90	
<i>For Aluminum Welding, Add</i>	<i>1.50</i>	
<i>For Stainless Steel Welding, Add</i>	<i>2.50</i>	
05 12 23 00-0131 EA >15 Spot Weldings, Welds Up To 1" Length Each	7.97	
<i>For Aluminum Welding, Add</i>	<i>1.38</i>	
<i>For Stainless Steel Welding, Add</i>	<i>2.22</i>	
05 12 23 00-0132 Field Welding (Seam And Stitch Welding) (05 12 23 00-0114)		
05 12 23 00-0133 Vertical Fillet Welds (05 12 23 00-0132)		
<i>Note: For existing steel and moment connections. Includes tack welds for proper alignment until the final welds are made.</i>		
05 12 23 00-0134 LF 3/16" Vertical Fillet Weld	10.40	
<i>For Aluminum Welding, Add</i>	<i>1.71</i>	
<i>For Stainless Steel Welding, Add</i>	<i>2.79</i>	
<i>For Up To 25, Add</i>	<i>3.58</i>	
<i>For >25 To 50, Add</i>	<i>2.55</i>	

05 Metals**05 10 Structural Metal Framing****05 12 Structural Steel Framing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0135	LF		1/4" Vertical Fillet Weld.....	15.61	
			For Aluminum Welding, Add	2.57	
			For Stainless Steel Welding, Add	4.19	
			For Up To 25, Add	5.37	
			For >25 To 50, Add	3.83	
05 12 23 00-0136	LF		5/16" Vertical Fillet Weld.....	20.80	
			For Aluminum Welding, Add	3.43	
			For Stainless Steel Welding, Add	5.59	
			For Up To 25, Add	7.15	
			For >25 To 50, Add	5.10	
05 12 23 00-0137	LF		3/8" Vertical Fillet Weld.....	26.02	
			For Aluminum Welding, Add	4.29	
			For Stainless Steel Welding, Add	6.99	
			For Up To 25, Add	8.95	
			For >25 To 50, Add	6.38	
05 12 23 00-0138	LF		7/16" Vertical Fillet Weld.....	30.95	
			For Aluminum Welding, Add	4.94	
			For Stainless Steel Welding, Add	8.11	
			For Up To 25, Add	10.71	
			For >25 To 50, Add	7.64	
05 12 23 00-0139	LF		1/2" Vertical Fillet Weld.....	36.03	
			For Aluminum Welding, Add	5.94	
			For Stainless Steel Welding, Add	9.68	
			For Up To 25, Add	12.39	
			For >25 To 50, Add	8.83	
05 12 23 00-0140	LF		9/16" Vertical Fillet Weld.....	42.33	
			For Aluminum Welding, Add	6.83	
			For Stainless Steel Welding, Add	11.18	
			For Up To 25, Add	14.62	
			For >25 To 50, Add	10.42	
05 12 23 00-0141	LF		5/8" Vertical Fillet Weld.....	46.63	
			For Aluminum Welding, Add	7.56	
			For Stainless Steel Welding, Add	12.36	
			For Up To 25, Add	16.09	
			For >25 To 50, Add	11.47	
05 12 23 00-0142	LF		3/4" Vertical Fillet Weld.....	64.02	
			For Aluminum Welding, Add	10.58	
			For Stainless Steel Welding, Add	17.22	
			For Up To 25, Add	22.00	
			For >25 To 50, Add	15.68	
05 12 23 00-0143	LF		7/8" Vertical Fillet Weld.....	84.56	
			For Aluminum Welding, Add	13.76	
			For Stainless Steel Welding, Add	22.49	
			For Up To 25, Add	29.15	
			For >25 To 50, Add	20.78	
05 12 23 00-0144	LF		1" Vertical Fillet Weld.....	117.23	
			For Aluminum Welding, Add	19.40	
			For Stainless Steel Welding, Add	31.58	
			For Up To 25, Add	40.27	
			For >25 To 50, Add	28.70	
05 12 23 00-0145			Horizontal Or Flat Fillet Welds (05 12 23 00-0132)		
			Note: For existing steel and moment connections. Includes tack welds for proper alignment until the final welds are made.		
05 12 23 00-0146	LF		1/8" Horizontal Or Flat Fillet Weld.....	5.91	
			For Aluminum Welding, Add	1.01	
			For Stainless Steel Welding, Add	1.63	
			For Up To 25, Add	2.02	
			For >25 To 50, Add	1.44	
05 12 23 00-0147	LF		3/16" Horizontal Or Flat Fillet Weld.....	7.88	
			For Aluminum Welding, Add	1.34	
			For Stainless Steel Welding, Add	2.17	
			For Up To 25, Add	2.69	
			For >25 To 50, Add	1.92	
05 12 23 00-0148	LF		1/4" Horizontal Or Flat Fillet Weld.....	11.82	
			For Aluminum Welding, Add	2.01	
			For Stainless Steel Welding, Add	3.26	
			For Up To 25, Add	4.04	
			For >25 To 50, Add	2.88	
05 12 23 00-0149	LF		5/16" Horizontal Or Flat Fillet Weld.....	15.77	
			For Aluminum Welding, Add	2.69	
			For Stainless Steel Welding, Add	4.35	
			For Up To 25, Add	5.38	
			For >25 To 50, Add	3.83	
05 12 23 00-0150	LF		3/8" Horizontal Or Flat Fillet Weld.....	19.70	
			For Aluminum Welding, Add	3.35	
			For Stainless Steel Welding, Add	5.42	
			For Up To 25, Add	6.73	
			For >25 To 50, Add	4.79	
05 12 23 00-0151	LF		7/16" Horizontal Or Flat Fillet Weld.....	22.79	
			For Aluminum Welding, Add	3.74	
			For Stainless Steel Welding, Add	6.10	
			For Up To 25, Add	7.84	
			For >25 To 50, Add	5.59	



	Metals	05
	Structural Metal Framing	05 10
	Structural Steel Framing	05 12

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MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0152	LF		1/2" Horizontal Or Flat Fillet Weld.....	27.81	
			<i>For Aluminum Welding, Add</i>	4.73	
			<i>For Stainless Steel Welding, Add</i>	7.65	
			<i>For Up To 25, Add</i>	9.50	
			<i>For >25 To 50, Add</i>	6.77	
05 12 23 00-0153	LF		9/16" Horizontal Or Flat Fillet Weld.....	31.30	
			<i>For Aluminum Welding, Add</i>	5.21	
			<i>For Stainless Steel Welding, Add</i>	8.46	
			<i>For Up To 25, Add</i>	10.74	
			<i>For >25 To 50, Add</i>	7.66	
05 12 23 00-0154	LF		5/8" Horizontal Or Flat Fillet Weld.....	37.59	
			<i>For Aluminum Welding, Add</i>	6.30	
			<i>For Stainless Steel Welding, Add</i>	10.22	
			<i>For Up To 25, Add</i>	12.88	
			<i>For >25 To 50, Add</i>	9.18	
05 12 23 00-0155	LF		3/4" Horizontal Or Flat Fillet Weld.....	47.39	
			<i>For Aluminum Welding, Add</i>	8.13	
			<i>For Stainless Steel Welding, Add</i>	13.12	
			<i>For Up To 25, Add</i>	16.16	
			<i>For >25 To 50, Add</i>	11.51	
05 12 23 00-0156	LF		7/8" Horizontal Or Flat Fillet Weld.....	71.75	
			<i>For Aluminum Welding, Add</i>	11.77	
			<i>For Stainless Steel Welding, Add</i>	19.20	
			<i>For Up To 25, Add</i>	24.69	
			<i>For >25 To 50, Add</i>	17.60	
05 12 23 00-0157	LF		1" Horizontal Or Flat Fillet Weld.....	94.54	
			<i>For Aluminum Welding, Add</i>	16.08	
			<i>For Stainless Steel Welding, Add</i>	26.01	
			<i>For Up To 25, Add</i>	32.30	
			<i>For >25 To 50, Add</i>	23.00	
05 12 23 00-0158			Cold Galvanizing <small>(05 12 23 00-0114)</small>		
05 12 23 00-0159	SF		Brush Applied Cold Galvanizing	1.61	
05 12 23 00-0160			Metal Grinding <small>(05 12 23 00-0114)</small>		
			Note: For use to prepare existing metal for welding by removing of rust or scale and smoothing surface after torch cutting.		
05 12 23 00-0161	SI		Metal Grinding Up To 1/32" Thickness To Be Removed.....	0.96	
			Note: Includes rust or scale removal on metal and smoothing surface.		
05 12 23 00-0162			Structural Steel For Buildings And Structures <small>(05 12 23)</small>		
05 12 23 00-0163			First Tier A992/A36 Structural Steel Columns, W Shapes <small>(05 12 23 00-0162)</small>		
			Note: With base plate. Includes material delivery and erection.		
05 12 23 00-0164	LF		W14 x 730 A992/A36 Structural Column	982.89	62.05
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	88.46	
			<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	196.58	
05 12 23 00-0165	LF		W14 x 665 A992/A36 Structural Column	896.77	57.84
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	80.71	
			<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	179.35	
05 12 23 00-0166	LF		W14 x 605 A992/A36 Structural Column	817.17	53.83
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	73.55	
			<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	163.43	
05 12 23 00-0167	LF		W14 x 550 A992/A36 Structural Column	744.09	50.08
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	66.97	
			<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	148.82	
05 12 23 00-0168	LF		W14 x 500 A992/A36 Structural Column	680.98	49.73
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	61.29	
			<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	136.20	
05 12 23 00-0169	LF		W14 x 426 A992/A36 Structural Column	581.24	43.42
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	52.31	
			<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	116.25	
05 12 23 00-0170	LF		W14 x 342 A992/A36 Structural Column	470.59	37.58
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	42.35	
			<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	94.12	
05 12 23 00-0171	LF		W14 x 311 A992/A36 Structural Column	424.17	35.09
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	38.18	
			<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	84.83	
05 12 23 00-0172	LF		W14 x 283 A992/A36 Structural Column	385.29	33.09
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	34.68	
			<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	77.06	
05 12 23 00-0173	LF		W14 x 257 A992/A36 Structural Column	339.20	31.37
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	30.53	
			<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	67.84	
05 12 23 00-0174	LF		W14 x 233 A992/A36 Structural Column	312.23	29.17
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	28.10	
			<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	62.45	
05 12 23 00-0175	LF		W14 x 211 A992/A36 Structural Column	278.02	27.16
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	25.02	
			<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	55.60	

05 Metals**05 10 Structural Metal Framing****05 12 Structural Steel Framing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0176	LF		W14 x 193 A992/A36 Structural Column <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	251.77 22.66 50.35	25.82
05 12 23 00-0177	LF		W14 x 176 A992/A36 Structural Column <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	227.24 20.45 45.45	24.68
05 12 23 00-0178	LF		W14 x 159 A992/A36 Structural Column <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	205.81 18.52 41.16	23.81
05 12 23 00-0179	LF		W14 x 145 A992/A36 Structural Column <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	198.92 17.90 39.78	23.04
05 12 23 00-0180	LF		W14 x 132 A992/A36 Structural Column <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	170.66 15.36 34.13	21.99
05 12 23 00-0181	LF		W14 x 120 A992/A36 Structural Column <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	160.22 14.42 32.04	21.42
05 12 23 00-0182	LF		W14 x 109 A992/A36 Structural Column <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	143.77 12.94 28.75	20.57
05 12 23 00-0183	LF		W14 x 99 A992/A36 Structural Column <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	131.47 11.83 26.29	19.98
05 12 23 00-0184	LF		W14 x 90 A992/A36 Structural Column <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	122.36 11.01 24.47	19.50
05 12 23 00-0185	LF		W14 x 82 A992/A36 Structural Column <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	112.96 10.17 22.59	18.93
05 12 23 00-0186	LF		W14 x 74 A992/A36 Structural Column <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	102.31 9.21 20.46	18.45
05 12 23 00-0187	LF		W14 x 68 A992/A36 Structural Column <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	95.79 8.62 19.16	18.17
05 12 23 00-0188	LF		W14 x 61 A992/A36 Structural Column <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	87.62 7.89 17.52	17.69
05 12 23 00-0189	LF		W14 x 53 A992/A36 Structural Column <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	80.08 7.21 16.02	17.21
05 12 23 00-0190	LF		W14 x 48 A992/A36 Structural Column <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	75.22 6.77 15.04	16.92
05 12 23 00-0191	LF		W14 x 43 A992/A36 Structural Column <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	68.19 6.14 13.64	16.64
05 12 23 00-0192	LF		W12 x 336 A992/A36 Structural Column <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	448.02 40.32 89.60	27.63
05 12 23 00-0193	LF		W12 x 305 A992/A36 Structural Column <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	408.82 36.79 81.76	27.09
05 12 23 00-0194	LF		W12 x 279 A992/A36 Structural Column <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	376.07 33.85 75.21	26.76
05 12 23 00-0195	LF		W12 x 252 A992/A36 Structural Column <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	341.73 30.76 68.35	26.09
05 12 23 00-0196	LF		W12 x 230 A992/A36 Structural Column <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	313.92 28.25 62.78	25.71
05 12 23 00-0197	LF		W12 x 210 A992/A36 Structural Column <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	288.63 25.98 57.73	25.35
05 12 23 00-0198	LF		W12 x 190 A992/A36 Structural Column <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	264.89 23.84 52.98	26.39
05 12 23 00-0199	LF		W12 x 170 A992/A36 Structural Column <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	239.77 21.58 47.95	25.63
05 12 23 00-0200	LF		W12 x 152 A992/A36 Structural Column <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	216.31 19.47 43.26	23.81
05 12 23 00-0201	LF		W12 x 136 A992/A36 Structural Column <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	205.78 18.52 41.16	23.15
05 12 23 00-0202	LF		W12 x 120 A992/A36 Structural Column <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	156.69 14.10 31.34	21.23
05 12 23 00-0203	LF		W12 x 106 A992/A36 Structural Column <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	144.61 13.01 28.92	20.57



	Metals	05
	Structural Metal Framing	05 10
	Structural Steel Framing	05 12

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MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0204	LF		W12 x 96 A992/A36 Structural Column <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	129.72 11.67 25.94	19.89
05 12 23 00-0205	LF		W12 x 87 A992/A36 Structural Column <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	119.90 10.79 23.98	19.22
05 12 23 00-0206	LF		W12 x 79 A992/A36 Structural Column <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	105.61 9.50 21.12	18.65
05 12 23 00-0207	LF		W12 x 72 A992/A36 Structural Column <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	96.92 8.72 19.38	18.17
05 12 23 00-0208	LF		W12 x 65 A992/A36 Structural Column <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	88.85 8.00 17.77	17.79
05 12 23 00-0209	LF		W12 x 58 A992/A36 Structural Column <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	86.07 7.75 17.21	17.60
05 12 23 00-0210	LF		W12 x 53 A992/A36 Structural Column <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	80.08 7.21 16.02	17.21
05 12 23 00-0211	LF		W12 x 50 A992/A36 Structural Column <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	77.70 6.99 15.54	17.12
05 12 23 00-0212	LF		W12 x 45 A992/A36 Structural Column <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	70.87 6.38 14.17	16.74
05 12 23 00-0213	LF		W12 x 40 A992/A36 Structural Column <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	63.85 5.75 12.77	16.35
05 12 23 00-0214	LF		W10 x 112 A992/A36 Structural Column <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	151.12 13.60 30.22	20.94
05 12 23 00-0215	LF		W10 x 110 A992/A36 Structural Column <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	136.96 12.33 27.39	20.09
05 12 23 00-0216	LF		W10 x 88 A992/A36 Structural Column <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	123.42 11.11 24.68	19.41
05 12 23 00-0217	LF		W10 x 77 A992/A36 Structural Column <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	110.08 9.91 22.02	18.65
05 12 23 00-0218	LF		W10 x 68 A992/A36 Structural Column <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	99.43 8.95 19.89	18.17
05 12 23 00-0219	LF		W10 x 60 A992/A36 Structural Column <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	87.62 7.89 17.52	17.69
05 12 23 00-0220	LF		W10 x 54 A992/A36 Structural Column <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	87.02 7.83 17.40	17.40
05 12 23 00-0221	LF		W10 x 49 A992/A36 Structural Column <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	76.77 6.91 15.35	17.12
05 12 23 00-0222	LF		W10 x 45 A992/A36 Structural Column <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	74.19 6.68 14.84	16.83
05 12 23 00-0223	LF		W10 x 39 A992/A36 Structural Column <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	64.98 5.85 13.00	16.55
05 12 23 00-0224	LF		W10 x 33 A992/A36 Structural Column <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	57.02 5.13 11.40	16.07
05 12 23 00-0225	LF		W8 x 67 A992/A36 Structural Column <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	95.89 8.63 19.18	18.17
05 12 23 00-0226	LF		W8 x 58 A992/A36 Structural Column <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	86.38 7.77 17.28	17.60
05 12 23 00-0227	LF		W8 x 48 A992/A36 Structural Column <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	77.60 6.98 15.52	17.12
05 12 23 00-0228	LF		W8 x 40 A992/A36 Structural Column <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	67.04 6.03 13.41	16.64
05 12 23 00-0229	LF		W8 x 35 A992/A36 Structural Column <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	60.84 5.48 12.17	16.26
05 12 23 00-0230	LF		W8 x 31 A992/A36 Structural Column <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	55.87 5.03 11.17	16.07
05 12 23 00-0231	LF		W8 x 28 A992/A36 Structural Column <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	52.77 4.75 10.55	15.87

05 Metals**05 10 Structural Metal Framing****05 12 Structural Steel Framing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0232	LF		W8 x 24 A992/A36 Structural Column <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	49.05 4.41 9.81	15.68
05 12 23 00-0233	LF		W8 x 21 A992/A36 Structural Column <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	46.58 4.19 9.32	15.59
05 12 23 00-0234	LF		W8 x 18 A992/A36 Structural Column <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	41.91 3.77 8.38	15.30
05 12 23 00-0235	LF		W6 x 25 A992/A36 Structural Column <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	51.34 4.62 10.27	15.68
05 12 23 00-0236	LF		W6 x 20 A992/A36 Structural Column <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	43.87 3.95 8.77	15.39
05 12 23 00-0237	LF		W6 x 15 A992/A36 Structural Column <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	38.01 3.42 7.60	14.91
05 12 23 00-0238	LF		W6 x 12 A992/A36 Structural Column <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	35.82 3.22 7.16	14.91
05 12 23 00-0239	LF		W6 x 9 A992/A36 Structural Column <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	33.01 2.97 6.60	14.82
05 12 23 00-0240	LF		W5 x 19 A992/A36 Structural Column <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	43.25 3.89 8.65	15.39
05 12 23 00-0241	LF		W5 x 16 A992/A36 Structural Column <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	40.05 3.60 8.01	15.30
05 12 23 00-0242	LF		W4 x 13 A992/A36 Structural Column <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	37.68 3.39 7.54	15.11
05 12 23 00-0243			A992/A36 Structural Steel Beams And Girders, W Shapes (05 12 23 00-0162) Note: Includes material delivery and erection.		
05 12 23 00-0244	LF		W36 x 300 A992/A36 Structural Beam Or Girder <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Steel, Add</i> <i>For Each Additional Top Copes >2, Add</i> <i>For Structural Tees, WT, MT Or ST, Deduct</i> <i>For Skewed Or Sloped Connections, Add</i>	339.32 30.54 67.86 2.67 -107.89 40.72	67.95
05 12 23 00-0245	LF		W36 x 280 A992/A36 Structural Beam Or Girder <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Steel, Add</i> <i>For Each Additional Top Copes >2, Add</i> <i>For Structural Tees, WT, MT Or ST, Deduct</i> <i>For Skewed Or Sloped Connections, Add</i>	325.56 29.30 65.11 2.49 -102.47 39.07	71.72
05 12 23 00-0246	LF		W36 x 260 A992/A36 Structural Beam Or Girder <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Steel, Add</i> <i>For Each Additional Top Copes >2, Add</i> <i>For Structural Tees, WT, MT Or ST, Deduct</i> <i>For Skewed Or Sloped Connections, Add</i>	309.12 27.82 61.82 2.34 -96.86 37.09	70.86
05 12 23 00-0247	LF		W36 x 240 A992/A36 Structural Beam Or Girder <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Steel, Add</i> <i>For Each Additional Top Copes >2, Add</i> <i>For Structural Tees, WT, MT Or ST, Deduct</i> <i>For Skewed Or Sloped Connections, Add</i>	291.67 26.25 58.33 2.22 -91.61 35.00	65.50
05 12 23 00-0248	LF		W36 x 230 A992/A36 Structural Beam Or Girder <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Steel, Add</i> <i>For Each Additional Top Copes >2, Add</i> <i>For Structural Tees, WT, MT Or ST, Deduct</i> <i>For Skewed Or Sloped Connections, Add</i>	283.42 25.51 56.68 2.13 -88.57 34.01	66.42
05 12 23 00-0249	LF		W36 x 210 A992/A36 Structural Beam Or Girder <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Steel, Add</i> <i>For Each Additional Top Copes >2, Add</i> <i>For Structural Tees, WT, MT Or ST, Deduct</i> <i>For Skewed Or Sloped Connections, Add</i>	267.24 24.05 53.45 1.94 -82.56 32.07	68.56
05 12 23 00-0250	LF		W36 x 194 A992/A36 Structural Beam Or Girder <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Steel, Add</i> <i>For Each Additional Top Copes >2, Add</i> <i>For Structural Tees, WT, MT Or ST, Deduct</i> <i>For Skewed Or Sloped Connections, Add</i>	255.22 22.97 51.04 1.87 -79.16 30.63	63.53
05 12 23 00-0251	LF		W36 x 182 A992/A36 Structural Beam Or Girder <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Steel, Add</i> <i>For Each Additional Top Copes >2, Add</i> <i>For Structural Tees, WT, MT Or ST, Deduct</i> <i>For Skewed Or Sloped Connections, Add</i>	243.13 21.88 48.63 1.76 -75.01 29.18	63.06



	Metals	05
	Structural Metal Framing	05 10
	Structural Steel Framing	05 12

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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0252 LF W36 x 170 A992/A36 Structural Beam Or Girder	230.76	62.34
For High Strength Low Alloy A572-50 Steel, Add	20.77	
For High Strength Low Alloy A588 Steel, Add	46.15	
For Each Additional Top Copes >2, Add	1.64	
For Structural Tees, WT, MT Or ST, Deduct	-70.79	
For Skewed Or Sloped Connections, Add	27.69	
05 12 23 00-0253 LF W36 x 160 A992/A36 Structural Beam Or Girder	225.36	66.37
For High Strength Low Alloy A572-50 Steel, Add	20.28	
For High Strength Low Alloy A588 Steel, Add	45.07	
For Each Additional Top Copes >2, Add	1.55	
For Structural Tees, WT, MT Or ST, Deduct	-68.26	
For Skewed Or Sloped Connections, Add	27.04	
05 12 23 00-0254 LF W36 x 150 A992/A36 Structural Beam Or Girder	216.79	65.89
For High Strength Low Alloy A572-50 Steel, Add	19.51	
For High Strength Low Alloy A588 Steel, Add	43.36	
For Each Additional Top Copes >2, Add	1.47	
For Structural Tees, WT, MT Or ST, Deduct	-65.33	
For Skewed Or Sloped Connections, Add	26.01	
05 12 23 00-0255 LF W36 x 135 A992/A36 Structural Beam Or Girder	204.79	65.32
For High Strength Low Alloy A572-50 Steel, Add	18.43	
For High Strength Low Alloy A588 Steel, Add	40.96	
For Each Additional Top Copes >2, Add	1.35	
For Structural Tees, WT, MT Or ST, Deduct	-61.23	
For Skewed Or Sloped Connections, Add	24.57	
05 12 23 00-0256 LF W33 x 241 A992/A36 Structural Beam Or Girder	295.80	67.55
For High Strength Low Alloy A572-50 Steel, Add	26.62	
For High Strength Low Alloy A588 Steel, Add	59.16	
For Each Additional Top Copes >2, Add	2.24	
For Structural Tees, WT, MT Or ST, Deduct	-92.72	
For Skewed Or Sloped Connections, Add	35.50	
05 12 23 00-0257 LF W33 x 221 A992/A36 Structural Beam Or Girder	275.46	65.90
For High Strength Low Alloy A572-50 Steel, Add	24.79	
For High Strength Low Alloy A588 Steel, Add	55.09	
For Each Additional Top Copes >2, Add	2.05	
For Structural Tees, WT, MT Or ST, Deduct	-85.87	
For Skewed Or Sloped Connections, Add	33.06	
05 12 23 00-0258 LF W33 x 201 A992/A36 Structural Beam Or Girder	259.29	68.09
For High Strength Low Alloy A572-50 Steel, Add	23.34	
For High Strength Low Alloy A588 Steel, Add	51.86	
For Each Additional Top Copes >2, Add	1.87	
For Structural Tees, WT, MT Or ST, Deduct	-79.85	
For Skewed Or Sloped Connections, Add	31.11	
05 12 23 00-0259 LF W33 x 170 A992/A36 Structural Beam Or Girder	234.58	66.85
For High Strength Low Alloy A572-50 Steel, Add	21.11	
For High Strength Low Alloy A588 Steel, Add	46.92	
For Each Additional Top Copes >2, Add	1.63	
For Structural Tees, WT, MT Or ST, Deduct	-71.42	
For Skewed Or Sloped Connections, Add	28.15	
05 12 23 00-0260 LF W33 x 152 A992/A36 Structural Beam Or Girder	217.26	62.14
For High Strength Low Alloy A572-50 Steel, Add	19.55	
For High Strength Low Alloy A588 Steel, Add	43.45	
For Each Additional Top Copes >2, Add	1.51	
For Structural Tees, WT, MT Or ST, Deduct	-66.10	
For Skewed Or Sloped Connections, Add	26.07	
05 12 23 00-0261 LF W33 x 141 A992/A36 Structural Beam Or Girder	209.97	65.51
For High Strength Low Alloy A572-50 Steel, Add	18.90	
For High Strength Low Alloy A588 Steel, Add	41.99	
For Each Additional Top Copes >2, Add	1.40	
For Structural Tees, WT, MT Or ST, Deduct	-63.00	
For Skewed Or Sloped Connections, Add	25.20	
05 12 23 00-0262 LF W33 x 130 A992/A36 Structural Beam Or Girder	200.25	65.03
For High Strength Low Alloy A572-50 Steel, Add	18.02	
For High Strength Low Alloy A588 Steel, Add	40.05	
For Each Additional Top Copes >2, Add	1.31	
For Structural Tees, WT, MT Or ST, Deduct	-59.69	
For Skewed Or Sloped Connections, Add	24.03	
05 12 23 00-0263 LF W33 x 118 A992/A36 Structural Beam Or Girder	188.96	64.45
For High Strength Low Alloy A572-50 Steel, Add	17.01	
For High Strength Low Alloy A588 Steel, Add	37.79	
For Each Additional Top Copes >2, Add	1.20	
For Structural Tees, WT, MT Or ST, Deduct	-55.82	
For Skewed Or Sloped Connections, Add	22.68	
05 12 23 00-0264 LF W30 x 211 A992/A36 Structural Beam Or Girder	265.06	65.77
For High Strength Low Alloy A572-50 Steel, Add	23.86	
For High Strength Low Alloy A588 Steel, Add	53.01	
For Each Additional Top Copes >2, Add	1.95	
For Structural Tees, WT, MT Or ST, Deduct	-82.25	
For Skewed Or Sloped Connections, Add	31.81	
05 12 23 00-0265 LF W30 x 191 A992/A36 Structural Beam Or Girder	248.62	67.61
For High Strength Low Alloy A572-50 Steel, Add	22.38	
For High Strength Low Alloy A588 Steel, Add	49.72	
For Each Additional Top Copes >2, Add	1.76	
For Structural Tees, WT, MT Or ST, Deduct	-76.19	
For Skewed Or Sloped Connections, Add	29.83	

05 Metals**05 10 Structural Metal Framing****05 12 Structural Steel Framing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0266	LF		W30 x 173 A992/A36 Structural Beam Or Girder.....	231.65	62.77
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	20.85	
			<i>For High Strength Low Alloy A588 Steel, Add</i>	46.33	
			<i>For Each Additional Top Copes >2, Add</i>	1.65	
			<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-71.03	
			<i>For Skewed Or Sloped Connections, Add</i>	27.80	
05 12 23 00-0267	LF		W30 x 154 A992/A36 Structural Beam Or Girder.....	216.99	65.98
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	19.53	
			<i>For High Strength Low Alloy A588 Steel, Add</i>	43.40	
			<i>For Each Additional Top Copes >2, Add</i>	1.47	
			<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-65.39	
			<i>For Skewed Or Sloped Connections, Add</i>	26.04	
05 12 23 00-0268	LF		W30 x 132 A992/A36 Structural Beam Or Girder.....	197.49	60.57
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	17.77	
			<i>For High Strength Low Alloy A588 Steel, Add</i>	39.50	
			<i>For Each Additional Top Copes >2, Add</i>	1.33	
			<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-59.43	
			<i>For Skewed Or Sloped Connections, Add</i>	23.70	
05 12 23 00-0269	LF		W30 x 124 A992/A36 Structural Beam Or Girder.....	189.40	60.53
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	17.05	
			<i>For High Strength Low Alloy A588 Steel, Add</i>	37.88	
			<i>For Each Additional Top Copes >2, Add</i>	1.25	
			<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-56.61	
			<i>For Skewed Or Sloped Connections, Add</i>	22.73	
05 12 23 00-0270	LF		W30 x 116 A992/A36 Structural Beam Or Girder.....	185.44	64.36
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	16.69	
			<i>For High Strength Low Alloy A588 Steel, Add</i>	37.09	
			<i>For Each Additional Top Copes >2, Add</i>	1.17	
			<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-54.61	
			<i>For Skewed Or Sloped Connections, Add</i>	22.25	
05 12 23 00-0271	LF		W30 x 108 A992/A36 Structural Beam Or Girder.....	171.08	57.95
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	15.40	
			<i>For High Strength Low Alloy A588 Steel, Add</i>	34.22	
			<i>For Each Additional Top Copes >2, Add</i>	1.09	
			<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-50.61	
			<i>For Skewed Or Sloped Connections, Add</i>	20.53	
05 12 23 00-0272	LF		W30 x 99 A992/A36 Structural Beam Or Girder	164.15	57.67
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	14.77	
			<i>For High Strength Low Alloy A588 Steel, Add</i>	32.83	
			<i>For Each Additional Top Copes >2, Add</i>	1.03	
			<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-48.24	
			<i>For Skewed Or Sloped Connections, Add</i>	19.70	
05 12 23 00-0273	LF		W27 x 178 A992/A36 Structural Beam Or Girder.....	258.81	73.50
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	23.29	
			<i>For High Strength Low Alloy A588 Steel, Add</i>	51.76	
			<i>For Each Additional Top Copes >2, Add</i>	1.80	
			<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-78.82	
			<i>For Skewed Or Sloped Connections, Add</i>	31.06	
05 12 23 00-0274	LF		W27 x 161 A992/A36 Structural Beam Or Girder.....	238.62	70.72
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	21.48	
			<i>For High Strength Low Alloy A588 Steel, Add</i>	47.72	
			<i>For Each Additional Top Copes >2, Add</i>	1.63	
			<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-72.20	
			<i>For Skewed Or Sloped Connections, Add</i>	28.63	
05 12 23 00-0275	LF		W27 x 146 A992/A36 Structural Beam Or Girder.....	220.75	68.22
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	19.87	
			<i>For High Strength Low Alloy A588 Steel, Add</i>	44.15	
			<i>For Each Additional Top Copes >2, Add</i>	1.48	
			<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-66.35	
			<i>For Skewed Or Sloped Connections, Add</i>	26.49	
05 12 23 00-0276	LF		W27 x 114 A992/A36 Structural Beam Or Girder.....	175.99	56.67
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	15.84	
			<i>For High Strength Low Alloy A588 Steel, Add</i>	35.20	
			<i>For Each Additional Top Copes >2, Add</i>	1.16	
			<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-52.53	
			<i>For Skewed Or Sloped Connections, Add</i>	21.12	
05 12 23 00-0277	LF		W27 x 102 A992/A36 Structural Beam Or Girder.....	164.87	57.67
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	14.84	
			<i>For High Strength Low Alloy A588 Steel, Add</i>	32.97	
			<i>For Each Additional Top Copes >2, Add</i>	1.03	
			<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-48.48	
			<i>For Skewed Or Sloped Connections, Add</i>	19.78	
05 12 23 00-0278	LF		W27 x 94 A992/A36 Structural Beam Or Girder	158.35	57.28
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	14.25	
			<i>For High Strength Low Alloy A588 Steel, Add</i>	31.67	
			<i>For Each Additional Top Copes >2, Add</i>	0.97	
			<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-46.26	
			<i>For Skewed Or Sloped Connections, Add</i>	19.00	
05 12 23 00-0279	LF		W27 x 84 A992/A36 Structural Beam Or Girder	150.40	56.90
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	13.54	
			<i>For High Strength Low Alloy A588 Steel, Add</i>	30.08	
			<i>For Each Additional Top Copes >2, Add</i>	0.90	
			<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-43.55	
			<i>For Skewed Or Sloped Connections, Add</i>	18.05	



	Metals	05
	Structural Metal Framing	05 10
	Structural Steel Framing	05 12

05

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0280	LF		W24 x 162 A992/A36 Structural Beam Or Girder	229.72	67.80
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	20.67	
			<i>For High Strength Low Alloy A588 Steel, Add</i>	45.94	
			<i>For Each Additional Top Copes >2, Add</i>	1.57	
			<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-69.55	
			<i>For Skewed Or Sloped Connections, Add</i>	27.57	
05 12 23 00-0281	LF		W24 x 146 A992/A36 Structural Beam Or Girder	211.19	65.00
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	19.01	
			<i>For High Strength Low Alloy A588 Steel, Add</i>	42.24	
			<i>For Each Additional Top Copes >2, Add</i>	1.42	
			<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-63.52	
			<i>For Skewed Or Sloped Connections, Add</i>	25.34	
05 12 23 00-0282	LF		W24 x 131 A992/A36 Structural Beam Or Girder	193.46	62.05
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	17.41	
			<i>For High Strength Low Alloy A588 Steel, Add</i>	38.69	
			<i>For Each Additional Top Copes >2, Add</i>	1.27	
			<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-57.78	
			<i>For Skewed Or Sloped Connections, Add</i>	23.22	
05 12 23 00-0283	LF		W24 x 117 A992/A36 Structural Beam Or Girder	176.55	58.96
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	15.89	
			<i>For High Strength Low Alloy A588 Steel, Add</i>	35.31	
			<i>For Each Additional Top Copes >2, Add</i>	1.14	
			<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-52.36	
			<i>For Skewed Or Sloped Connections, Add</i>	21.19	
05 12 23 00-0284	LF		W24 x 104 A992/A36 Structural Beam Or Girder	160.50	55.75
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	14.45	
			<i>For High Strength Low Alloy A588 Steel, Add</i>	32.10	
			<i>For Each Additional Top Copes >2, Add</i>	1.01	
			<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-47.26	
			<i>For Skewed Or Sloped Connections, Add</i>	19.26	
05 12 23 00-0285	LF		W24 x 94 A992/A36 Structural Beam Or Girder	152.43	57.28
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	13.72	
			<i>For High Strength Low Alloy A588 Steel, Add</i>	30.49	
			<i>For Each Additional Top Copes >2, Add</i>	0.91	
			<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-44.19	
			<i>For Skewed Or Sloped Connections, Add</i>	18.29	
05 12 23 00-0286	LF		W24 x 84 A992/A36 Structural Beam Or Girder	138.59	50.78
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	12.47	
			<i>For High Strength Low Alloy A588 Steel, Add</i>	27.72	
			<i>For Each Additional Top Copes >2, Add</i>	0.84	
			<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-40.37	
			<i>For Skewed Or Sloped Connections, Add</i>	16.63	
05 12 23 00-0287	LF		W24 x 76 A992/A36 Structural Beam Or Girder	132.49	50.39
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	11.92	
			<i>For High Strength Low Alloy A588 Steel, Add</i>	26.50	
			<i>For Each Additional Top Copes >2, Add</i>	0.79	
			<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-38.30	
			<i>For Skewed Or Sloped Connections, Add</i>	15.90	
05 12 23 00-0288	LF		W24 x 68 A992/A36 Structural Beam Or Girder	124.84	50.11
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	11.24	
			<i>For High Strength Low Alloy A588 Steel, Add</i>	24.97	
			<i>For Each Additional Top Copes >2, Add</i>	0.71	
			<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-35.68	
			<i>For Skewed Or Sloped Connections, Add</i>	14.98	
05 12 23 00-0289	LF		W24 x 62 A992/A36 Structural Beam Or Girder	120.81	49.82
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	10.87	
			<i>For High Strength Low Alloy A588 Steel, Add</i>	24.16	
			<i>For Each Additional Top Copes >2, Add</i>	0.68	
			<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-34.31	
			<i>For Skewed Or Sloped Connections, Add</i>	14.50	
05 12 23 00-0290	LF		W24 x 55 A992/A36 Structural Beam Or Girder	115.32	49.63
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	10.38	
			<i>For High Strength Low Alloy A588 Steel, Add</i>	23.06	
			<i>For Each Additional Top Copes >2, Add</i>	0.62	
			<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-32.43	
			<i>For Skewed Or Sloped Connections, Add</i>	13.84	
05 12 23 00-0291	LF		W21 x 147 A992/A36 Structural Beam Or Girder	199.73	55.76
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	17.98	
			<i>For High Strength Low Alloy A588 Steel, Add</i>	39.95	
			<i>For Each Additional Top Copes >2, Add</i>	1.40	
			<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-60.98	
			<i>For Skewed Or Sloped Connections, Add</i>	23.97	
05 12 23 00-0292	LF		W21 x 132 A992/A36 Structural Beam Or Girder	182.76	53.27
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	16.45	
			<i>For High Strength Low Alloy A588 Steel, Add</i>	36.55	
			<i>For Each Additional Top Copes >2, Add</i>	1.26	
			<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-55.44	
			<i>For Skewed Or Sloped Connections, Add</i>	21.93	
05 12 23 00-0293	LF		W21 x 122 A992/A36 Structural Beam Or Girder	172.27	52.38
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	15.50	
			<i>For High Strength Low Alloy A588 Steel, Add</i>	34.45	
			<i>For Each Additional Top Copes >2, Add</i>	1.16	
			<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-51.91	
			<i>For Skewed Or Sloped Connections, Add</i>	20.67	

05 Metals**05 10 Structural Metal Framing****05 12 Structural Steel Framing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0294	LF		W21 x 111 A992/A36 Structural Beam Or Girder.....	159.98	50.70
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	14.40	
			<i>For High Strength Low Alloy A588 Steel, Add</i>	32.00	
			<i>For Each Additional Top Copes >2, Add</i>	1.06	
			<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-47.88	
			<i>For Skewed Or Sloped Connections, Add</i>	19.20	
05 12 23 00-0295	LF		W21 x 101 A992/A36 Structural Beam Or Girder.....	148.71	49.08
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	13.38	
			<i>For High Strength Low Alloy A588 Steel, Add</i>	29.74	
			<i>For Each Additional Top Copes >2, Add</i>	0.96	
			<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-44.20	
			<i>For Skewed Or Sloped Connections, Add</i>	17.85	
05 12 23 00-0296	LF		W21 x 93 A992/A36 Structural Beam Or Girder	143.53	51.35
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	12.92	
			<i>For High Strength Low Alloy A588 Steel, Add</i>	28.71	
			<i>For Each Additional Top Copes >2, Add</i>	0.89	
			<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-42.02	
			<i>For Skewed Or Sloped Connections, Add</i>	17.22	
05 12 23 00-0297	LF		W21 x 83 A992/A36 Structural Beam Or Girder	136.30	50.78
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	12.27	
			<i>For High Strength Low Alloy A588 Steel, Add</i>	27.26	
			<i>For Each Additional Top Copes >2, Add</i>	0.82	
			<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-39.57	
			<i>For Skewed Or Sloped Connections, Add</i>	16.36	
05 12 23 00-0298	LF		W21 x 73 A992/A36 Structural Beam Or Girder	127.51	50.39
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	11.48	
			<i>For High Strength Low Alloy A588 Steel, Add</i>	25.50	
			<i>For Each Additional Top Copes >2, Add</i>	0.74	
			<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-36.57	
			<i>For Skewed Or Sloped Connections, Add</i>	15.30	
05 12 23 00-0299	LF		W21 x 68 A992/A36 Structural Beam Or Girder	123.07	50.11
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	11.08	
			<i>For High Strength Low Alloy A588 Steel, Add</i>	24.61	
			<i>For Each Additional Top Copes >2, Add</i>	0.70	
			<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-35.06	
			<i>For Skewed Or Sloped Connections, Add</i>	14.77	
05 12 23 00-0300	LF		W21 x 62 A992/A36 Structural Beam Or Girder	119.04	49.82
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	10.71	
			<i>For High Strength Low Alloy A588 Steel, Add</i>	23.81	
			<i>For Each Additional Top Copes >2, Add</i>	0.66	
			<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-33.69	
			<i>For Skewed Or Sloped Connections, Add</i>	14.28	
05 12 23 00-0301	LF		W21 x 57 A992/A36 Structural Beam Or Girder	115.42	49.73
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	10.39	
			<i>For High Strength Low Alloy A588 Steel, Add</i>	23.08	
			<i>For Each Additional Top Copes >2, Add</i>	0.62	
			<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-32.45	
			<i>For Skewed Or Sloped Connections, Add</i>	13.85	
05 12 23 00-0302	LF		W21 x 50 A992/A36 Structural Beam Or Girder	102.09	43.13
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	9.19	
			<i>For High Strength Low Alloy A588 Steel, Add</i>	20.42	
			<i>For Each Additional Top Copes >2, Add</i>	0.56	
			<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-28.82	
			<i>For Skewed Or Sloped Connections, Add</i>	12.25	
05 12 23 00-0303	LF		W21 x 44 A992/A36 Structural Beam Or Girder	97.85	42.94
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	8.81	
			<i>For High Strength Low Alloy A588 Steel, Add</i>	19.57	
			<i>For Each Additional Top Copes >2, Add</i>	0.52	
			<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-27.38	
			<i>For Skewed Or Sloped Connections, Add</i>	11.74	
05 12 23 00-0304	LF		W18 x 119 A992/A36 Structural Beam Or Girder.....	167.98	52.19
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	15.12	
			<i>For High Strength Low Alloy A588 Steel, Add</i>	33.60	
			<i>For Each Additional Top Copes >2, Add</i>	1.12	
			<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-50.44	
			<i>For Skewed Or Sloped Connections, Add</i>	20.16	
05 12 23 00-0305	LF		W18 x 106 A992/A36 Structural Beam Or Girder.....	152.79	49.47
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	13.75	
			<i>For High Strength Low Alloy A588 Steel, Add</i>	30.56	
			<i>For Each Additional Top Copes >2, Add</i>	1.00	
			<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-45.56	
			<i>For Skewed Or Sloped Connections, Add</i>	18.33	
05 12 23 00-0306	LF		W18 x 97 A992/A36 Structural Beam Or Girder	146.43	51.35
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	13.18	
			<i>For High Strength Low Alloy A588 Steel, Add</i>	29.29	
			<i>For Each Additional Top Copes >2, Add</i>	0.92	
			<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-43.02	
			<i>For Skewed Or Sloped Connections, Add</i>	17.57	
05 12 23 00-0307	LF		W18 x 86 A992/A36 Structural Beam Or Girder	138.17	50.87
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	12.44	
			<i>For High Strength Low Alloy A588 Steel, Add</i>	27.63	
			<i>For Each Additional Top Copes >2, Add</i>	0.84	
			<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-40.21	
			<i>For Skewed Or Sloped Connections, Add</i>	16.58	



	Metals	05
	Structural Metal Framing	05 10
	Structural Steel Framing	05 12

05

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0308	LF		W18 x 76 A992/A36 Structural Beam Or Girder	130.73	50.39
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	11.77	
			<i>For High Strength Low Alloy A588 Steel, Add</i>	26.15	
			<i>For Each Additional Top Copes >2, Add</i>	0.77	
			<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-37.68	
			<i>For Skewed Or Sloped Connections, Add</i>	15.69	
05 12 23 00-0309	LF		W18 x 71 A992/A36 Structural Beam Or Girder	125.34	50.30
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	11.28	
			<i>For High Strength Low Alloy A588 Steel, Add</i>	25.07	
			<i>For Each Additional Top Copes >2, Add</i>	0.72	
			<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-35.82	
			<i>For Skewed Or Sloped Connections, Add</i>	15.04	
05 12 23 00-0310	LF		W18 x 65 A992/A36 Structural Beam Or Girder	120.06	50.11
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	10.81	
			<i>For High Strength Low Alloy A588 Steel, Add</i>	24.01	
			<i>For Each Additional Top Copes >2, Add</i>	0.67	
			<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-34.02	
			<i>For Skewed Or Sloped Connections, Add</i>	14.41	
05 12 23 00-0311	LF		W18 x 60 A992/A36 Structural Beam Or Girder	115.31	49.73
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	10.38	
			<i>For High Strength Low Alloy A588 Steel, Add</i>	23.06	
			<i>For Each Additional Top Copes >2, Add</i>	0.62	
			<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-32.40	
			<i>For Skewed Or Sloped Connections, Add</i>	13.84	
05 12 23 00-0312	LF		W18 x 55 A992/A36 Structural Beam Or Girder	110.54	49.63
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	9.95	
			<i>For High Strength Low Alloy A588 Steel, Add</i>	22.11	
			<i>For Each Additional Top Copes >2, Add</i>	0.58	
			<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-30.76	
			<i>For Skewed Or Sloped Connections, Add</i>	13.26	
05 12 23 00-0313	LF		W18 x 50 A992/A36 Structural Beam Or Girder	99.18	43.13
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	8.93	
			<i>For High Strength Low Alloy A588 Steel, Add</i>	19.84	
			<i>For Each Additional Top Copes >2, Add</i>	0.53	
			<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-27.80	
			<i>For Skewed Or Sloped Connections, Add</i>	11.90	
05 12 23 00-0314	LF		W18 x 46 A992/A36 Structural Beam Or Girder	95.46	43.04
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	8.59	
			<i>For High Strength Low Alloy A588 Steel, Add</i>	19.09	
			<i>For Each Additional Top Copes >2, Add</i>	0.50	
			<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-26.53	
			<i>For Skewed Or Sloped Connections, Add</i>	11.46	
05 12 23 00-0315	LF		W18 x 40 A992/A36 Structural Beam Or Girder	83.26	36.72
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	7.49	
			<i>For High Strength Low Alloy A588 Steel, Add</i>	16.65	
			<i>For Each Additional Top Copes >2, Add</i>	0.44	
			<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-23.26	
			<i>For Skewed Or Sloped Connections, Add</i>	9.99	
05 12 23 00-0316	LF		W18 x 35 A992/A36 Structural Beam Or Girder	78.61	36.62
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	7.07	
			<i>For High Strength Low Alloy A588 Steel, Add</i>	15.72	
			<i>For Each Additional Top Copes >2, Add</i>	0.40	
			<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-21.66	
			<i>For Skewed Or Sloped Connections, Add</i>	9.43	
05 12 23 00-0317	LF		W16 x 100 A992/A36 Structural Beam Or Girder	133.96	33.38
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	12.06	
			<i>For High Strength Low Alloy A588 Steel, Add</i>	26.79	
			<i>For Each Additional Top Copes >2, Add</i>	0.98	
			<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-41.55	
			<i>For Skewed Or Sloped Connections, Add</i>	16.08	
05 12 23 00-0318	LF		W16 x 89 A992/A36 Structural Beam Or Girder	123.42	32.80
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	11.11	
			<i>For High Strength Low Alloy A588 Steel, Add</i>	24.68	
			<i>For Each Additional Top Copes >2, Add</i>	0.88	
			<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-37.95	
			<i>For Skewed Or Sloped Connections, Add</i>	14.81	
05 12 23 00-0319	LF		W16 x 77 A992/A36 Structural Beam Or Girder	112.13	32.42
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	10.09	
			<i>For High Strength Low Alloy A588 Steel, Add</i>	22.43	
			<i>For Each Additional Top Copes >2, Add</i>	0.78	
			<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-34.07	
			<i>For Skewed Or Sloped Connections, Add</i>	13.46	
05 12 23 00-0320	LF		W16 x 67 A992/A36 Structural Beam Or Girder	102.51	31.94
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	9.23	
			<i>For High Strength Low Alloy A588 Steel, Add</i>	20.50	
			<i>For Each Additional Top Copes >2, Add</i>	0.68	
			<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-30.77	
			<i>For Skewed Or Sloped Connections, Add</i>	12.30	
05 12 23 00-0321	LF		W16 x 57 A992/A36 Structural Beam Or Girder	92.99	31.46
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	8.37	
			<i>For High Strength Low Alloy A588 Steel, Add</i>	18.60	
			<i>For Each Additional Top Copes >2, Add</i>	0.59	
			<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-27.51	
			<i>For Skewed Or Sloped Connections, Add</i>	11.16	

05 Metals

05 10 Structural Metal Framing

05 12 Structural Steel Framing



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0322	LF		W16 x 50 A992/A36 Structural Beam Or Girder	86.37	31.17
			For High Strength Low Alloy A572-50 Steel, Add	7.77	
			For High Strength Low Alloy A588 Steel, Add	17.27	
			For Each Additional Top Copes >2, Add	0.53	
			For Structural Tees, WT, MT Or ST, Deduct	-25.24	
			For Skewed Or Sloped Connections, Add	10.36	
05 12 23 00-0323	LF		W16 x 45 A992/A36 Structural Beam Or Girder	81.72	30.98
			For High Strength Low Alloy A572-50 Steel, Add	7.35	
			For High Strength Low Alloy A588 Steel, Add	16.34	
			For Each Additional Top Copes >2, Add	0.49	
			For Structural Tees, WT, MT Or ST, Deduct	-23.64	
			For Skewed Or Sloped Connections, Add	9.81	
05 12 23 00-0324	LF		W16 x 40 A992/A36 Structural Beam Or Girder	76.85	30.70
			For High Strength Low Alloy A572-50 Steel, Add	6.92	
			For High Strength Low Alloy A588 Steel, Add	15.37	
			For Each Additional Top Copes >2, Add	0.44	
			For Structural Tees, WT, MT Or ST, Deduct	-21.98	
			For Skewed Or Sloped Connections, Add	9.22	
05 12 23 00-0325	LF		W16 x 36 A992/A36 Structural Beam Or Girder	73.03	30.50
			For High Strength Low Alloy A572-50 Steel, Add	6.57	
			For High Strength Low Alloy A588 Steel, Add	14.61	
			For Each Additional Top Copes >2, Add	0.41	
			For Structural Tees, WT, MT Or ST, Deduct	-20.68	
			For Skewed Or Sloped Connections, Add	8.76	
05 12 23 00-0326	LF		W16 x 31 A992/A36 Structural Beam Or Girder	61.86	24.29
			For High Strength Low Alloy A572-50 Steel, Add	5.57	
			For High Strength Low Alloy A588 Steel, Add	12.37	
			For Each Additional Top Copes >2, Add	0.36	
			For Structural Tees, WT, MT Or ST, Deduct	-17.76	
			For Skewed Or Sloped Connections, Add	7.42	
05 12 23 00-0327	LF		W16 x 26 A992/A36 Structural Beam Or Girder	55.77	24.00
			For High Strength Low Alloy A572-50 Steel, Add	5.02	
			For High Strength Low Alloy A588 Steel, Add	11.15	
			For Each Additional Top Copes >2, Add	0.30	
			For Structural Tees, WT, MT Or ST, Deduct	-15.68	
			For Skewed Or Sloped Connections, Add	6.69	
05 12 23 00-0328	LF		W14 x 99 A992/A36 Structural Beam Or Girder	126.62	27.35
			For High Strength Low Alloy A572-50 Steel, Add	11.40	
			For High Strength Low Alloy A588 Steel, Add	25.32	
			For Each Additional Top Copes >2, Add	0.97	
			For Structural Tees, WT, MT Or ST, Deduct	-39.94	
			For Skewed Or Sloped Connections, Add	15.19	
05 12 23 00-0329	LF		W14 x 90 A992/A36 Structural Beam Or Girder	118.03	26.87
			For High Strength Low Alloy A572-50 Steel, Add	10.62	
			For High Strength Low Alloy A588 Steel, Add	23.61	
			For Each Additional Top Copes >2, Add	0.89	
			For Structural Tees, WT, MT Or ST, Deduct	-37.01	
			For Skewed Or Sloped Connections, Add	14.16	
05 12 23 00-0330	LF		W14 x 82 A992/A36 Structural Beam Or Girder	110.39	26.58
			For High Strength Low Alloy A572-50 Steel, Add	9.94	
			For High Strength Low Alloy A588 Steel, Add	22.08	
			For Each Additional Top Copes >2, Add	0.82	
			For Structural Tees, WT, MT Or ST, Deduct	-34.39	
			For Skewed Or Sloped Connections, Add	13.25	
05 12 23 00-0331	LF		W14 x 74 A992/A36 Structural Beam Or Girder	102.74	26.21
			For High Strength Low Alloy A572-50 Steel, Add	9.25	
			For High Strength Low Alloy A588 Steel, Add	20.55	
			For Each Additional Top Copes >2, Add	0.75	
			For Structural Tees, WT, MT Or ST, Deduct	-31.77	
			For Skewed Or Sloped Connections, Add	12.33	
05 12 23 00-0332	LF		W14 x 68 A992/A36 Structural Beam Or Girder	97.04	25.91
			For High Strength Low Alloy A572-50 Steel, Add	8.73	
			For High Strength Low Alloy A588 Steel, Add	19.41	
			For Each Additional Top Copes >2, Add	0.69	
			For Structural Tees, WT, MT Or ST, Deduct	-29.82	
			For Skewed Or Sloped Connections, Add	11.64	
05 12 23 00-0333	LF		W14 x 61 A992/A36 Structural Beam Or Girder	90.42	25.63
			For High Strength Low Alloy A572-50 Steel, Add	8.14	
			For High Strength Low Alloy A588 Steel, Add	18.08	
			For Each Additional Top Copes >2, Add	0.63	
			For Structural Tees, WT, MT Or ST, Deduct	-27.54	
			For Skewed Or Sloped Connections, Add	10.85	
05 12 23 00-0334	LF		W14 x 53 A992/A36 Structural Beam Or Girder	82.87	25.25
			For High Strength Low Alloy A572-50 Steel, Add	7.46	
			For High Strength Low Alloy A588 Steel, Add	16.57	
			For Each Additional Top Copes >2, Add	0.56	
			For Structural Tees, WT, MT Or ST, Deduct	-24.96	
			For Skewed Or Sloped Connections, Add	9.94	
05 12 23 00-0335	LF		W14 x 48 A992/A36 Structural Beam Or Girder	78.01	24.96
			For High Strength Low Alloy A572-50 Steel, Add	7.02	
			For High Strength Low Alloy A588 Steel, Add	15.60	
			For Each Additional Top Copes >2, Add	0.51	
			For Structural Tees, WT, MT Or ST, Deduct	-23.30	
			For Skewed Or Sloped Connections, Add	9.36	



	Metals	05
	Structural Metal Framing	05 10
	Structural Steel Framing	05 12

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MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0336	LF		W14 x 43 A992/A36 Structural Beam Or Girder	73.24	24.86
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	6.59	
			<i>For High Strength Low Alloy A588 Steel, Add</i>	14.65	
			<i>For Each Additional Top Copes >2, Add</i>	0.47	
			<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-21.66	
			<i>For Skewed Or Sloped Connections, Add</i>	8.79	
05 12 23 00-0337	LF		W14 x 38 A992/A36 Structural Beam Or Girder	68.50	24.68
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	6.17	
			<i>For High Strength Low Alloy A588 Steel, Add</i>	13.70	
			<i>For Each Additional Top Copes >2, Add</i>	0.42	
			<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-20.04	
			<i>For Skewed Or Sloped Connections, Add</i>	8.22	
05 12 23 00-0338	LF		W14 x 34 A992/A36 Structural Beam Or Girder	64.66	24.38
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	5.82	
			<i>For High Strength Low Alloy A588 Steel, Add</i>	12.93	
			<i>For Each Additional Top Copes >2, Add</i>	0.39	
			<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-18.73	
			<i>For Skewed Or Sloped Connections, Add</i>	7.76	
05 12 23 00-0339	LF		W14 x 30 A992/A36 Structural Beam Or Girder	60.83	24.29
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	5.47	
			<i>For High Strength Low Alloy A588 Steel, Add</i>	12.17	
			<i>For Each Additional Top Copes >2, Add</i>	0.35	
			<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-17.42	
			<i>For Skewed Or Sloped Connections, Add</i>	7.30	
05 12 23 00-0340	LF		W14 x 26 A992/A36 Structural Beam Or Girder	57.01	24.00
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	5.13	
			<i>For High Strength Low Alloy A588 Steel, Add</i>	11.40	
			<i>For Each Additional Top Copes >2, Add</i>	0.31	
			<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-16.11	
			<i>For Skewed Or Sloped Connections, Add</i>	6.84	
05 12 23 00-0341	LF		W14 x 22 A992/A36 Structural Beam Or Girder	53.29	23.91
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	4.80	
			<i>For High Strength Low Alloy A588 Steel, Add</i>	10.66	
			<i>For Each Additional Top Copes >2, Add</i>	0.28	
			<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-14.84	
			<i>For Skewed Or Sloped Connections, Add</i>	6.39	
05 12 23 00-0342	LF		W12 x 87 A992/A36 Structural Beam Or Girder	115.24	26.78
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	10.37	
			<i>For High Strength Low Alloy A588 Steel, Add</i>	23.05	
			<i>For Each Additional Top Copes >2, Add</i>	0.87	
			<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-36.05	
			<i>For Skewed Or Sloped Connections, Add</i>	13.83	
05 12 23 00-0343	LF		W12 x 79 A992/A36 Structural Beam Or Girder	107.59	26.39
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	9.68	
			<i>For High Strength Low Alloy A588 Steel, Add</i>	21.52	
			<i>For Each Additional Top Copes >2, Add</i>	0.79	
			<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-33.43	
			<i>For Skewed Or Sloped Connections, Add</i>	12.91	
05 12 23 00-0344	LF		W12 x 72 A992/A36 Structural Beam Or Girder	100.87	26.10
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	9.08	
			<i>For High Strength Low Alloy A588 Steel, Add</i>	20.17	
			<i>For Each Additional Top Copes >2, Add</i>	0.73	
			<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-31.13	
			<i>For Skewed Or Sloped Connections, Add</i>	12.10	
05 12 23 00-0345	LF		W12 x 65 A992/A36 Structural Beam Or Girder	94.24	25.82
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	8.48	
			<i>For High Strength Low Alloy A588 Steel, Add</i>	18.85	
			<i>For Each Additional Top Copes >2, Add</i>	0.67	
			<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-28.85	
			<i>For Skewed Or Sloped Connections, Add</i>	11.31	
05 12 23 00-0346	LF		W12 x 58 A992/A36 Structural Beam Or Girder	87.53	25.44
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	7.88	
			<i>For High Strength Low Alloy A588 Steel, Add</i>	17.51	
			<i>For Each Additional Top Copes >2, Add</i>	0.60	
			<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-26.56	
			<i>For Skewed Or Sloped Connections, Add</i>	10.50	
05 12 23 00-0347	LF		W12 x 53 A992/A36 Structural Beam Or Girder	82.87	25.25
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	7.46	
			<i>For High Strength Low Alloy A588 Steel, Add</i>	16.57	
			<i>For Each Additional Top Copes >2, Add</i>	0.56	
			<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-24.96	
			<i>For Skewed Or Sloped Connections, Add</i>	9.94	
05 12 23 00-0348	LF		W12 x 50 A992/A36 Structural Beam Or Girder	79.87	25.15
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	7.19	
			<i>For High Strength Low Alloy A588 Steel, Add</i>	15.97	
			<i>For Each Additional Top Copes >2, Add</i>	0.53	
			<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-23.94	
			<i>For Skewed Or Sloped Connections, Add</i>	9.58	
05 12 23 00-0349	LF		W12 x 45 A992/A36 Structural Beam Or Girder	75.21	24.96
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	6.77	
			<i>For High Strength Low Alloy A588 Steel, Add</i>	15.04	
			<i>For Each Additional Top Copes >2, Add</i>	0.49	
			<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-22.34	
			<i>For Skewed Or Sloped Connections, Add</i>	9.03	

05 Metals

05 10 Structural Metal Framing

05 12 Structural Steel Framing



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0350	LF		W12 x 40 A992/A36 Structural Beam Or Girder	63.85	18.56
			For High Strength Low Alloy A572-50 Steel, Add	5.75	
			For High Strength Low Alloy A588 Steel, Add	12.77	
			For Each Additional Top Copes >2, Add	0.44	
			For Structural Tees, WT, MT Or ST, Deduct	-19.38	
			For Skewed Or Sloped Connections, Add	7.66	
05 12 23 00-0351	LF		W12 x 35 A992/A36 Structural Beam Or Girder	59.20	18.45
			For High Strength Low Alloy A572-50 Steel, Add	5.33	
			For High Strength Low Alloy A588 Steel, Add	11.84	
			For Each Additional Top Copes >2, Add	0.40	
			For Structural Tees, WT, MT Or ST, Deduct	-17.78	
			For Skewed Or Sloped Connections, Add	7.10	
05 12 23 00-0352	LF		W12 x 30 A992/A36 Structural Beam Or Girder	54.33	18.17
			For High Strength Low Alloy A572-50 Steel, Add	4.89	
			For High Strength Low Alloy A588 Steel, Add	10.87	
			For Each Additional Top Copes >2, Add	0.35	
			For Structural Tees, WT, MT Or ST, Deduct	-16.12	
			For Skewed Or Sloped Connections, Add	6.52	
05 12 23 00-0353	LF		W12 x 26 A992/A36 Structural Beam Or Girder	50.51	17.97
			For High Strength Low Alloy A572-50 Steel, Add	4.55	
			For High Strength Low Alloy A588 Steel, Add	10.10	
			For Each Additional Top Copes >2, Add	0.31	
			For Structural Tees, WT, MT Or ST, Deduct	-14.81	
			For Skewed Or Sloped Connections, Add	6.06	
05 12 23 00-0354	LF		W12 x 22 A992/A36 Structural Beam Or Girder	46.78	17.79
			For High Strength Low Alloy A572-50 Steel, Add	4.21	
			For High Strength Low Alloy A588 Steel, Add	9.36	
			For Each Additional Top Copes >2, Add	0.28	
			For Structural Tees, WT, MT Or ST, Deduct	-13.53	
			For Skewed Or Sloped Connections, Add	5.61	
05 12 23 00-0355	LF		W12 x 19 A992/A36 Structural Beam Or Girder	43.88	17.69
			For High Strength Low Alloy A572-50 Steel, Add	3.95	
			For High Strength Low Alloy A588 Steel, Add	8.78	
			For Each Additional Top Copes >2, Add	0.25	
			For Structural Tees, WT, MT Or ST, Deduct	-12.53	
			For Skewed Or Sloped Connections, Add	5.27	
05 12 23 00-0356	LF		W12 x 16 A992/A36 Structural Beam Or Girder	40.99	17.40
			For High Strength Low Alloy A572-50 Steel, Add	3.69	
			For High Strength Low Alloy A588 Steel, Add	8.20	
			For Each Additional Top Copes >2, Add	0.22	
			For Structural Tees, WT, MT Or ST, Deduct	-11.55	
			For Skewed Or Sloped Connections, Add	4.92	
05 12 23 00-0357	LF		W12 x 14 A992/A36 Structural Beam Or Girder	39.13	17.40
			For High Strength Low Alloy A572-50 Steel, Add	3.52	
			For High Strength Low Alloy A588 Steel, Add	7.83	
			For Each Additional Top Copes >2, Add	0.21	
			For Structural Tees, WT, MT Or ST, Deduct	-10.91	
			For Skewed Or Sloped Connections, Add	4.70	
05 12 23 00-0358	LF		W10 x 68 A992/A36 Structural Beam Or Girder	90.84	19.98
			For High Strength Low Alloy A572-50 Steel, Add	8.18	
			For High Strength Low Alloy A588 Steel, Add	18.17	
			For Each Additional Top Copes >2, Add	0.70	
			For Structural Tees, WT, MT Or ST, Deduct	-28.61	
			For Skewed Or Sloped Connections, Add	10.90	
05 12 23 00-0359	LF		W10 x 60 A992/A36 Structural Beam Or Girder	83.29	19.61
			For High Strength Low Alloy A572-50 Steel, Add	7.50	
			For High Strength Low Alloy A588 Steel, Add	16.66	
			For Each Additional Top Copes >2, Add	0.62	
			For Structural Tees, WT, MT Or ST, Deduct	-26.02	
			For Skewed Or Sloped Connections, Add	9.99	
05 12 23 00-0360	LF		W10 x 54 A992/A36 Structural Beam Or Girder	77.51	19.22
			For High Strength Low Alloy A572-50 Steel, Add	6.98	
			For High Strength Low Alloy A588 Steel, Add	15.50	
			For Each Additional Top Copes >2, Add	0.57	
			For Structural Tees, WT, MT Or ST, Deduct	-24.04	
			For Skewed Or Sloped Connections, Add	9.30	
05 12 23 00-0361	LF		W10 x 49 A992/A36 Structural Beam Or Girder	72.74	19.04
			For High Strength Low Alloy A572-50 Steel, Add	6.55	
			For High Strength Low Alloy A588 Steel, Add	14.55	
			For Each Additional Top Copes >2, Add	0.52	
			For Structural Tees, WT, MT Or ST, Deduct	-22.42	
			For Skewed Or Sloped Connections, Add	8.73	
05 12 23 00-0362	LF		W10 x 45 A992/A36 Structural Beam Or Girder	68.92	18.93
			For High Strength Low Alloy A572-50 Steel, Add	6.20	
			For High Strength Low Alloy A588 Steel, Add	13.78	
			For Each Additional Top Copes >2, Add	0.49	
			For Structural Tees, WT, MT Or ST, Deduct	-21.11	
			For Skewed Or Sloped Connections, Add	8.27	
05 12 23 00-0363	LF		W10 x 39 A992/A36 Structural Beam Or Girder	63.23	18.56
			For High Strength Low Alloy A572-50 Steel, Add	5.69	
			For High Strength Low Alloy A588 Steel, Add	12.65	
			For Each Additional Top Copes >2, Add	0.43	
			For Structural Tees, WT, MT Or ST, Deduct	-19.16	
			For Skewed Or Sloped Connections, Add	7.59	



	Metals	05
	Structural Metal Framing	05 10
	Structural Steel Framing	05 12

05

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0364	LF		W10 x 33 A992/A36 Structural Beam Or Girder <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Steel, Add</i> <i>For Each Additional Top Copes >2, Add</i> <i>For Structural Tees, WT, MT Or ST, Deduct</i> <i>For Skewed Or Sloped Connections, Add</i>	57.53 5.18 11.51 0.38 -17.21 6.90	18.27
05 12 23 00-0365	LF		W10 x 30 A992/A36 Structural Beam Or Girder <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Steel, Add</i> <i>For Each Additional Top Copes >2, Add</i> <i>For Structural Tees, WT, MT Or ST, Deduct</i> <i>For Skewed Or Sloped Connections, Add</i>	54.63 4.92 10.93 0.35 -16.21 6.56	18.17
05 12 23 00-0366	LF		W10 x 26 A992/A36 Structural Beam Or Girder <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Steel, Add</i> <i>For Each Additional Top Copes >2, Add</i> <i>For Structural Tees, WT, MT Or ST, Deduct</i> <i>For Skewed Or Sloped Connections, Add</i>	50.91 4.58 10.18 0.32 -14.94 6.11	18.08
05 12 23 00-0367	LF		W10 x 22 A992/A36 Structural Beam Or Girder <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Steel, Add</i> <i>For Each Additional Top Copes >2, Add</i> <i>For Structural Tees, WT, MT Or ST, Deduct</i> <i>For Skewed Or Sloped Connections, Add</i>	46.98 4.23 9.40 0.28 -13.60 5.64	17.79
05 12 23 00-0368	LF		W10 x 19 A992/A36 Structural Beam Or Girder <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Steel, Add</i> <i>For Each Additional Top Copes >2, Add</i> <i>For Structural Tees, WT, MT Or ST, Deduct</i> <i>For Skewed Or Sloped Connections, Add</i>	44.19 3.98 8.84 0.25 -12.64 5.30	17.69
05 12 23 00-0369	LF		W10 x 17 A992/A36 Structural Beam Or Girder <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Steel, Add</i> <i>For Each Additional Top Copes >2, Add</i> <i>For Structural Tees, WT, MT Or ST, Deduct</i> <i>For Skewed Or Sloped Connections, Add</i>	42.22 3.80 8.44 0.23 -11.97 5.07	17.60
05 12 23 00-0370	LF		W10 x 15 A992/A36 Structural Beam Or Girder <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Steel, Add</i> <i>For Each Additional Top Copes >2, Add</i> <i>For Structural Tees, WT, MT Or ST, Deduct</i> <i>For Skewed Or Sloped Connections, Add</i>	40.37 3.63 8.07 0.22 -11.33 4.84	17.40
05 12 23 00-0371	LF		W10 x 12 A992/A36 Structural Beam Or Girder <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Steel, Add</i> <i>For Each Additional Top Copes >2, Add</i> <i>For Structural Tees, WT, MT Or ST, Deduct</i> <i>For Skewed Or Sloped Connections, Add</i>	37.57 3.38 7.51 0.19 -10.37 4.51	17.40
05 12 23 00-0372	LF		W8 x 35 A992/A36 Structural Beam Or Girder <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Steel, Add</i> <i>For Each Additional Top Copes >2, Add</i> <i>For Structural Tees, WT, MT Or ST, Deduct</i> <i>For Skewed Or Sloped Connections, Add</i>	59.40 5.35 11.88 0.40 -17.85 7.13	18.45
05 12 23 00-0373	LF		W8 x 31 A992/A36 Structural Beam Or Girder <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Steel, Add</i> <i>For Each Additional Top Copes >2, Add</i> <i>For Structural Tees, WT, MT Or ST, Deduct</i> <i>For Skewed Or Sloped Connections, Add</i>	55.57 5.00 11.11 0.36 -16.54 6.67	18.17
05 12 23 00-0374	LF		W8 x 28 A992/A36 Structural Beam Or Girder <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Steel, Add</i> <i>For Each Additional Top Copes >2, Add</i> <i>For Structural Tees, WT, MT Or ST, Deduct</i> <i>For Skewed Or Sloped Connections, Add</i>	51.72 4.65 10.34 0.33 -15.36 6.21	17.12
05 12 23 00-0375	LF		W8 x 24 A992/A36 Structural Beam Or Girder <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Steel, Add</i> <i>For Each Additional Top Copes >2, Add</i> <i>For Structural Tees, WT, MT Or ST, Deduct</i> <i>For Skewed Or Sloped Connections, Add</i>	47.26 4.25 9.45 0.30 -13.97 5.67	16.07
05 12 23 00-0376	LF		W8 x 21 A992/A36 Structural Beam Or Girder <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Steel, Add</i> <i>For Each Additional Top Copes >2, Add</i> <i>For Structural Tees, WT, MT Or ST, Deduct</i> <i>For Skewed Or Sloped Connections, Add</i>	43.99 3.96 8.80 0.28 -13.00 5.28	14.91
05 12 23 00-0377	LF		W8 x 18 A992/A36 Structural Beam Or Girder <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Steel, Add</i> <i>For Each Additional Top Copes >2, Add</i> <i>For Structural Tees, WT, MT Or ST, Deduct</i> <i>For Skewed Or Sloped Connections, Add</i>	38.67 3.48 7.73 0.24 -11.31 4.64	13.86

05 Metals**05 10 Structural Metal Framing****05 12 Structural Steel Framing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0378	LF		W8 x 10 A992/A36 Structural Beam Or Girder	23.26	9.95
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	2.09	
			<i>For High Strength Low Alloy A588 Steel, Add</i>	4.65	
			<i>For Each Additional Top Copes >2, Add</i>	0.13	
			<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-6.56	
			<i>For Skewed Or Sloped Connections, Add</i>	2.79	
05 12 23 00-0379	LF		W6 x 9 A992/A36 Structural Beam Or Girder	21.18	8.13
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	1.91	
			<i>For High Strength Low Alloy A588 Steel, Add</i>	4.24	
			<i>For Each Additional Top Copes >2, Add</i>	0.13	
			<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-6.12	
			<i>For Skewed Or Sloped Connections, Add</i>	2.54	
05 12 23 00-0380			A992/A36 Structural Steel, M Shapes (05 12 23 00-0162)		
			Note: Includes material delivery and erection.		
05 12 23 00-0381	LF		M14 x 18 A992/A36 Structural Steel	43.59	13.76
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	3.92	
			<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	8.72	
05 12 23 00-0382	LF		M12 x 11.8 A992/A36 Structural Steel	31.93	12.17
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	2.87	
			<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	6.39	
05 12 23 00-0383	LF		M10 x 9 A992/A36 Structural Steel	24.86	9.76
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	2.24	
			<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	4.97	
05 12 23 00-0384	LF		M8 x 6.5 A992/A36 Structural Steel	17.97	7.05
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	1.62	
			<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	3.59	
05 12 23 00-0385	LF		M6 x 20 A992/A36 Structural Steel	48.40	15.39
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	4.36	
			<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	9.68	
05 12 23 00-0386	LF		M6 x 4.4 A992/A36 Structural Steel	12.15	4.77
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	1.09	
			<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	2.43	
05 12 23 00-0387	LF		M5 x 18.9 A992/A36 Structural Steel	46.76	15.39
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	4.21	
			<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	9.35	
05 12 23 00-0388	LF		M4 x 13 A992/A36 Structural Steel	38.93	15.11
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	3.50	
			<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	7.79	
05 12 23 00-0389			A992/A36 Structural Steel, S Shapes (05 12 23 00-0162)		
			Note: Includes material delivery and erection.		
05 12 23 00-0390	LF		S24 x 121 A992/A36 Structural Steel	258.45	69.65
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	23.26	
			<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	51.69	
05 12 23 00-0391	LF		S24 x 106 A992/A36 Structural Steel	229.85	64.23
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	20.69	
			<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	45.97	
05 12 23 00-0392	LF		S24 x 100 A992/A36 Structural Steel	220.23	63.79
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	19.82	
			<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	44.05	
05 12 23 00-0393	LF		S24 x 90 A992/A36 Structural Steel	201.43	60.43
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	18.13	
			<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	40.29	
05 12 23 00-0394	LF		S24 x 80 A992/A36 Structural Steel	182.05	56.55
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	16.38	
			<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	36.41	
05 12 23 00-0395	LF		S20 x 96 A992/A36 Structural Steel	211.42	61.24
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	19.03	
			<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	42.28	
05 12 23 00-0396	LF		S20 x 86 A992/A36 Structural Steel	192.47	57.75
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	17.32	
			<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	38.49	
05 12 23 00-0397	LF		S20 x 75 A992/A36 Structural Steel	170.68	53.01
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	15.36	
			<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	34.14	
05 12 23 00-0398	LF		S20 x 66 A992/A36 Structural Steel	152.82	49.11
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	13.75	
			<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	30.56	
05 12 23 00-0399	LF		S18 x 70 A992/A36 Structural Steel	162.09	52.08
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	14.59	
			<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	32.42	
05 12 23 00-0400	LF		S18 x 54.7 A992/A36 Structural Steel	128.94	42.84
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	11.60	
			<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	25.79	
05 12 23 00-0401	LF		S15 x 50 A992/A36 Structural Steel	120.05	41.22
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	10.80	
			<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	24.01	
05 12 23 00-0402	LF		S15 x 42.9 A992/A36 Structural Steel	104.99	37.23
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	9.45	
			<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	21.00	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0403	LF		S12 x 50 A992/A36 Structural Steel <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	117.86 10.61 23.57	39.16
05 12 23 00-0404	LF		S12 x 40.8 A992/A36 Structural Steel <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	97.96 8.82 19.59	33.64
05 12 23 00-0405	LF		S12 x 35 A992/A36 Structural Steel <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	85.66 7.71 17.13	30.37
05 12 23 00-0406	LF		S12 x 31.8 A992/A36 Structural Steel <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	79.38 7.14 15.88	29.05
05 12 23 00-0407	LF		S10 x 35 A992/A36 Structural Steel <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	87.36 7.86 17.47	31.97
05 12 23 00-0408	LF		S10 x 25.4 A992/A36 Structural Steel <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	64.70 5.82 12.94	24.42
05 12 23 00-0409	LF		S8 x 23 A992/A36 Structural Steel <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	58.59 5.27 11.72	22.11
05 12 23 00-0410	LF		S8 x 18.4 A992/A36 Structural Steel <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	47.86 4.31 9.57	18.63
05 12 23 00-0411	LF		S7 x 20 A992/A36 Structural Steel <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	52.02 4.68 10.40	20.25
05 12 23 00-0412	LF		S7 x 15.3 A992/A36 Structural Steel <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	40.67 3.66 8.13	16.30
05 12 23 00-0413	LF		S6 x 17.25 A992/A36 Structural Steel <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	43.49 3.91 8.70	16.15
05 12 23 00-0414	LF		S6 x 12.5 A992/A36 Structural Steel <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	37.52 3.38 7.50	14.91
05 12 23 00-0415	LF		S5 x 14.75 A992/A36 Structural Steel <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	39.77 3.58 7.95	15.21
05 12 23 00-0416	LF		S5 x 10 A992/A36 Structural Steel <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	34.19 3.08 6.84	14.82
05 12 23 00-0417	LF		S4 x 9.5 A992/A36 Structural Steel <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	33.34 3.00 6.67	14.82
05 12 23 00-0418	LF		S4 x 7.7 A992/A36 Structural Steel <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	31.36 2.82 6.27	14.82
05 12 23 00-0419	LF		S3 x 7.5 A992/A36 Structural Steel <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	31.18 2.81 6.24	14.82
05 12 23 00-0420	LF		S3 x 5.7 A992/A36 Structural Steel <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	28.81 2.59 5.76	14.73
05 12 23 00-0421			A992/A36 Structural Steel, HP Shapes <small>(05 12 23 00-0162)</small>		
			Note: Includes material delivery and erection.		
05 12 23 00-0422	LF		HP14 x 117 A992/A36 Structural Steel <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	152.82 13.75 30.56	20.64
05 12 23 00-0423	LF		HP14 x 102 A992/A36 Structural Steel <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	134.05 12.06 26.81	19.20
05 12 23 00-0424	LF		HP14 x 89 A992/A36 Structural Steel <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	119.69 10.77 23.94	18.01
05 12 23 00-0425	LF		HP14 x 73 A992/A36 Structural Steel <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	99.68 8.97 19.94	16.98
05 12 23 00-0426	LF		HP13 x 100 A992/A36 Structural Steel <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	131.42 11.83 26.28	18.83
05 12 23 00-0427	LF		HP13 x 87 A992/A36 Structural Steel <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	117.01 10.53 23.40	17.61
05 12 23 00-0428	LF		HP13 x 73 A992/A36 Structural Steel <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	99.68 8.97 19.94	16.98
05 12 23 00-0429	LF		HP13 x 60 A992/A36 Structural Steel <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	84.99 7.65 17.00	16.27
05 12 23 00-0430	LF		HP12 x 84 A992/A36 Structural Steel <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	110.93 9.98 22.19	18.57

05 Metals

05 10 Structural Metal Framing

05 12 Structural Steel Framing



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0431	LF		HP12 x 74 A992/A36 Structural Steel.....	98.33	17.51
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	8.85	
			<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	19.67	
05 12 23 00-0432	LF		HP12 x 63 A992/A36 Structural Steel.....	84.95	16.11
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	7.65	
			<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	16.99	
05 12 23 00-0433	LF		HP12 x 53 A992/A36 Structural Steel.....	78.04	15.32
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	7.02	
			<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	15.61	
05 12 23 00-0434	LF		HP10 x 57 A992/A36 Structural Steel.....	82.09	15.72
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	7.39	
			<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	16.42	
05 12 23 00-0435	LF		HP10 x 42 A992/A36 Structural Steel.....	68.17	14.73
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	6.14	
			<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	13.63	
05 12 23 00-0436	LF		HP8 x 36 A992/A36 Structural Steel.....	59.58	13.89
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	5.36	
			<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	11.92	
05 12 23 00-0437			Lightweight Framing Steel Shapes (05 12 23)		
05 12 23 00-0438			Angle Iron - L (05 12 23 00-0437)		
05 12 23 00-0439			1/8" Thick (05 12 23 00-0438)		
05 12 23 00-0440	LF		1/2" x 1/2" x 1/8" Angle Iron.....	2.15	1.41
			<i>For >100 To 250, Deduct</i>	-0.14	
			<i>For >250 To 500, Deduct</i>	-0.19	
			<i>For >500 To 1,000, Deduct</i>	-0.30	
			<i>For >1,000, Deduct</i>	-0.40	
			<i>For Galvanized Steel, Add</i>	0.17	
			<i>For 304 Stainless Steel, Add</i>	0.77	
			<i>For High Strength Steel (HSS), Add</i>	0.43	
05 12 23 00-0441	LF		3/4" x 1/2" x 1/8" Angle Iron.....	2.47	1.60
			<i>For >100 To 250, Deduct</i>	-0.16	
			<i>For >250 To 500, Deduct</i>	-0.22	
			<i>For >500 To 1,000, Deduct</i>	-0.34	
			<i>For >1,000, Deduct</i>	-0.45	
			<i>For Galvanized Steel, Add</i>	0.21	
			<i>For 304 Stainless Steel, Add</i>	0.97	
			<i>For High Strength Steel (HSS), Add</i>	0.49	
05 12 23 00-0442	LF		3/4" x 3/4" x 1/8" Angle Iron.....	2.76	1.76
			<i>For >100 To 250, Deduct</i>	-0.18	
			<i>For >250 To 500, Deduct</i>	-0.24	
			<i>For >500 To 1,000, Deduct</i>	-0.37	
			<i>For >1,000, Deduct</i>	-0.50	
			<i>For Galvanized Steel, Add</i>	0.26	
			<i>For 304 Stainless Steel, Add</i>	1.20	
			<i>For High Strength Steel (HSS), Add</i>	0.55	
05 12 23 00-0443	LF		1" x 3/4" x 1/8" Angle Iron.....	3.11	1.96
			<i>For >100 To 250, Deduct</i>	-0.20	
			<i>For >250 To 500, Deduct</i>	-0.27	
			<i>For >500 To 1,000, Deduct</i>	-0.42	
			<i>For >1,000, Deduct</i>	-0.56	
			<i>For Galvanized Steel, Add</i>	0.30	
			<i>For 304 Stainless Steel, Add</i>	1.40	
			<i>For High Strength Steel (HSS), Add</i>	0.62	
05 12 23 00-0444	LF		1" x 1" x 1/8" Angle Iron.....	3.39	2.11
			<i>For >100 To 250, Deduct</i>	-0.21	
			<i>For >250 To 500, Deduct</i>	-0.30	
			<i>For >500 To 1,000, Deduct</i>	-0.45	
			<i>For >1,000, Deduct</i>	-0.61	
			<i>For Galvanized Steel, Add</i>	0.35	
			<i>For 304 Stainless Steel, Add</i>	1.62	
			<i>For High Strength Steel (HSS), Add</i>	0.68	
05 12 23 00-0445	LF		1-1/4" x 1-1/4" x 1/8" Angle Iron.....	4.04	2.49
			<i>For >100 To 250, Deduct</i>	-0.25	
			<i>For >250 To 500, Deduct</i>	-0.35	
			<i>For >500 To 1,000, Deduct</i>	-0.53	
			<i>For >1,000, Deduct</i>	-0.72	
			<i>For Galvanized Steel, Add</i>	0.45	
			<i>For 304 Stainless Steel, Add</i>	2.05	
			<i>For High Strength Steel (HSS), Add</i>	0.81	
05 12 23 00-0446	LF		1-1/2" x 1" x 1/8" Angle Iron.....	4.04	2.49
			<i>For >100 To 250, Deduct</i>	-0.25	
			<i>For >250 To 500, Deduct</i>	-0.35	
			<i>For >500 To 1,000, Deduct</i>	-0.53	
			<i>For >1,000, Deduct</i>	-0.72	
			<i>For Galvanized Steel, Add</i>	0.45	
			<i>For 304 Stainless Steel, Add</i>	2.05	
			<i>For High Strength Steel (HSS), Add</i>	0.81	



	Metals	05
	Structural Metal Framing	05 10
	Structural Steel Framing	05 12

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MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0447	LF		1-1/2" x 1-1/2" x 1/8" Angle Iron.....	4.84	2.98
			<i>For >100 To 250, Deduct</i>	-0.30	
			<i>For >250 To 500, Deduct</i>	-0.42	
			<i>For >500 To 1,000, Deduct</i>	-0.64	
			<i>For >1,000, Deduct</i>	-0.86	
			<i>For Galvanized Steel, Add</i>	0.54	
			<i>For 304 Stainless Steel, Add</i>	2.48	
			<i>For High Strength Steel (HSS), Add</i>	0.97	
05 12 23 00-0448	LF		2" x 2" x 1/8" Angle Iron.....	6.58	4.05
			<i>For >100 To 250, Deduct</i>	-0.41	
			<i>For >250 To 500, Deduct</i>	-0.57	
			<i>For >500 To 1,000, Deduct</i>	-0.87	
			<i>For >1,000, Deduct</i>	-1.17	
			<i>For Galvanized Steel, Add</i>	0.73	
			<i>For 304 Stainless Steel, Add</i>	3.36	
			<i>For High Strength Steel (HSS), Add</i>	1.32	
05 12 23 00-0449			3/16" Thick <small>(05 12 23 00-0438)</small>		
05 12 23 00-0450	LF		1-1/4" x 1-1/4" x 3/16" Angle Iron.....	4.56	2.63
			<i>For >100 To 250, Deduct</i>	-0.26	
			<i>For >250 To 500, Deduct</i>	-0.38	
			<i>For >500 To 1,000, Deduct</i>	-0.58	
			<i>For >1,000, Deduct</i>	-0.78	
			<i>For Galvanized Steel, Add</i>	0.65	
			<i>For 304 Stainless Steel, Add</i>	2.99	
			<i>For High Strength Steel (HSS), Add</i>	0.91	
05 12 23 00-0451	LF		1-1/2" x 1" x 3/16" Angle Iron.....	4.56	2.63
			<i>For >100 To 250, Deduct</i>	-0.26	
			<i>For >250 To 500, Deduct</i>	-0.38	
			<i>For >500 To 1,000, Deduct</i>	-0.58	
			<i>For >1,000, Deduct</i>	-0.78	
			<i>For Galvanized Steel, Add</i>	0.65	
			<i>For 304 Stainless Steel, Add</i>	2.99	
			<i>For High Strength Steel (HSS), Add</i>	0.91	
05 12 23 00-0452	LF		1-1/2" x 1-1/2" x 3/16" Angle Iron.....	5.04	2.82
			<i>For >100 To 250, Deduct</i>	-0.28	
			<i>For >250 To 500, Deduct</i>	-0.41	
			<i>For >500 To 1,000, Deduct</i>	-0.63	
			<i>For >1,000, Deduct</i>	-0.85	
			<i>For Galvanized Steel, Add</i>	0.79	
			<i>For 304 Stainless Steel, Add</i>	3.65	
			<i>For High Strength Steel (HSS), Add</i>	1.01	
05 12 23 00-0453	LF		2" x 2" x 3/16" Angle Iron.....	5.76	3.02
			<i>For >100 To 250, Deduct</i>	-0.30	
			<i>For >250 To 500, Deduct</i>	-0.45	
			<i>For >500 To 1,000, Deduct</i>	-0.69	
			<i>For >1,000, Deduct</i>	-0.93	
			<i>For Galvanized Steel, Add</i>	1.08	
			<i>For 304 Stainless Steel, Add</i>	4.96	
			<i>For High Strength Steel (HSS), Add</i>	1.15	
05 12 23 00-0454	LF		2-1/2" x 2" x 3/16" Angle Iron.....	6.28	3.24
			<i>For >100 To 250, Deduct</i>	-0.32	
			<i>For >250 To 500, Deduct</i>	-0.48	
			<i>For >500 To 1,000, Deduct</i>	-0.75	
			<i>For >1,000, Deduct</i>	-1.01	
			<i>For Galvanized Steel, Add</i>	1.22	
			<i>For 304 Stainless Steel, Add</i>	5.59	
			<i>For High Strength Steel (HSS), Add</i>	1.26	
05 12 23 00-0455	LF		2-1/2" x 2-1/2" x 3/16" Angle Iron.....	6.82	3.47
			<i>For >100 To 250, Deduct</i>	-0.35	
			<i>For >250 To 500, Deduct</i>	-0.52	
			<i>For >500 To 1,000, Deduct</i>	-0.80	
			<i>For >1,000, Deduct</i>	-1.09	
			<i>For Galvanized Steel, Add</i>	1.36	
			<i>For 304 Stainless Steel, Add</i>	6.27	
			<i>For High Strength Steel (HSS), Add</i>	1.36	
05 12 23 00-0456	LF		3" x 2" x 3/16" Angle Iron.....	6.81	3.47
			<i>For >100 To 250, Deduct</i>	-0.35	
			<i>For >250 To 500, Deduct</i>	-0.52	
			<i>For >500 To 1,000, Deduct</i>	-0.80	
			<i>For >1,000, Deduct</i>	-1.09	
			<i>For Galvanized Steel, Add</i>	1.36	
			<i>For 304 Stainless Steel, Add</i>	6.24	
			<i>For High Strength Steel (HSS), Add</i>	1.36	
05 12 23 00-0457	LF		3" x 2-1/2" x 3/16" Angle Iron.....	7.52	3.83
			<i>For >100 To 250, Deduct</i>	-0.38	
			<i>For >250 To 500, Deduct</i>	-0.57	
			<i>For >500 To 1,000, Deduct</i>	-0.89	
			<i>For >1,000, Deduct</i>	-1.20	
			<i>For Galvanized Steel, Add</i>	1.50	
			<i>For 304 Stainless Steel, Add</i>	6.90	
			<i>For High Strength Steel (HSS), Add</i>	1.50	

05 Metals**05 10 Structural Metal Framing****05 12 Structural Steel Framing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0458	LF		3" x 3" x 3/16" Angle Iron	8.23	4.19
			<i>For >100 To 250, Deduct</i>	-0.42	
			<i>For >250 To 500, Deduct</i>	-0.62	
			<i>For >500 To 1,000, Deduct</i>	-0.97	
			<i>For >1,000, Deduct</i>	-1.31	
			<i>For Galvanized Steel, Add</i>	1.64	
			<i>For 304 Stainless Steel, Add</i>	7.55	
			<i>For High Strength Steel (HSS), Add</i>	1.65	
05 12 23 00-0459			1/4" Thick (05 12 23 00-0438)		
05 12 23 00-0460	LF		1-1/2" x 1" x 1/4" Angle Iron	5.06	2.78
			<i>For >100 To 250, Deduct</i>	-0.28	
			<i>For >250 To 500, Deduct</i>	-0.40	
			<i>For >500 To 1,000, Deduct</i>	-0.62	
			<i>For >1,000, Deduct</i>	-0.84	
			<i>For Galvanized Steel, Add</i>	0.84	
			<i>For 304 Stainless Steel, Add</i>	3.85	
			<i>For High Strength Steel (HSS), Add</i>	1.01	
05 12 23 00-0461	LF		1-1/2" x 1-1/2" x 1/4" Angle Iron	5.61	2.98
			<i>For >100 To 250, Deduct</i>	-0.30	
			<i>For >250 To 500, Deduct</i>	-0.44	
			<i>For >500 To 1,000, Deduct</i>	-0.68	
			<i>For >1,000, Deduct</i>	-0.92	
			<i>For Galvanized Steel, Add</i>	1.02	
			<i>For 304 Stainless Steel, Add</i>	4.70	
			<i>For High Strength Steel (HSS), Add</i>	1.12	
05 12 23 00-0462	LF		2" x 2" x 1/4" Angle Iron	6.50	3.17
			<i>For >100 To 250, Deduct</i>	-0.32	
			<i>For >250 To 500, Deduct</i>	-0.48	
			<i>For >500 To 1,000, Deduct</i>	-0.75	
			<i>For >1,000, Deduct</i>	-1.02	
			<i>For Galvanized Steel, Add</i>	1.41	
			<i>For 304 Stainless Steel, Add</i>	6.47	
			<i>For High Strength Steel (HSS), Add</i>	1.30	
05 12 23 00-0463	LF		2-1/2" x 2" x 1/4" Angle Iron	7.27	3.51
			<i>For >100 To 250, Deduct</i>	-0.35	
			<i>For >250 To 500, Deduct</i>	-0.53	
			<i>For >500 To 1,000, Deduct</i>	-0.83	
			<i>For >1,000, Deduct</i>	-1.13	
			<i>For Galvanized Steel, Add</i>	1.60	
			<i>For 304 Stainless Steel, Add</i>	7.35	
			<i>For High Strength Steel (HSS), Add</i>	1.45	
05 12 23 00-0464	LF		2-1/2" x 2-1/2" x 1/4" Angle Iron	8.05	3.85
			<i>For >100 To 250, Deduct</i>	-0.38	
			<i>For >250 To 500, Deduct</i>	-0.59	
			<i>For >500 To 1,000, Deduct</i>	-0.92	
			<i>For >1,000, Deduct</i>	-1.25	
			<i>For Galvanized Steel, Add</i>	1.81	
			<i>For 304 Stainless Steel, Add</i>	8.32	
			<i>For High Strength Steel (HSS), Add</i>	1.61	
05 12 23 00-0465	LF		3" x 2" x 1/4" Angle Iron	8.05	3.85
			<i>For >100 To 250, Deduct</i>	-0.38	
			<i>For >250 To 500, Deduct</i>	-0.59	
			<i>For >500 To 1,000, Deduct</i>	-0.92	
			<i>For >1,000, Deduct</i>	-1.25	
			<i>For Galvanized Steel, Add</i>	1.81	
			<i>For 304 Stainless Steel, Add</i>	8.32	
			<i>For High Strength Steel (HSS), Add</i>	1.61	
05 12 23 00-0466	LF		3" x 2-1/2" x 1/4" Angle Iron	8.91	4.28
			<i>For >100 To 250, Deduct</i>	-0.43	
			<i>For >250 To 500, Deduct</i>	-0.65	
			<i>For >500 To 1,000, Deduct</i>	-1.02	
			<i>For >1,000, Deduct</i>	-1.38	
			<i>For Galvanized Steel, Add</i>	1.99	
			<i>For 304 Stainless Steel, Add</i>	9.15	
			<i>For High Strength Steel (HSS), Add</i>	1.78	
05 12 23 00-0467	LF		3" x 3" x 1/4" Angle Iron	9.76	4.70
			<i>For >100 To 250, Deduct</i>	-0.47	
			<i>For >250 To 500, Deduct</i>	-0.71	
			<i>For >500 To 1,000, Deduct</i>	-1.12	
			<i>For >1,000, Deduct</i>	-1.52	
			<i>For Galvanized Steel, Add</i>	2.16	
			<i>For 304 Stainless Steel, Add</i>	9.95	
			<i>For High Strength Steel (HSS), Add</i>	1.95	
05 12 23 00-0468	LF		3-1/2" x 3" x 1/4" Angle Iron	10.57	5.05
			<i>For >100 To 250, Deduct</i>	-0.50	
			<i>For >250 To 500, Deduct</i>	-0.77	
			<i>For >500 To 1,000, Deduct</i>	-1.20	
			<i>For >1,000, Deduct</i>	-1.63	
			<i>For Galvanized Steel, Add</i>	2.38	
			<i>For 304 Stainless Steel, Add</i>	10.94	
			<i>For High Strength Steel (HSS), Add</i>	2.11	



Metals	05	05
Structural Metal Framing	05 10	
Structural Steel Framing	05 12	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0469	LF		3-1/2" x 3-1/2" x 1/4" Angle Iron.....	11.17	0.52
			<i>For >100 To 250, Deduct</i>	-0.53	
			<i>For >250 To 500, Deduct</i>	-0.81	
			<i>For >500 To 1,000, Deduct</i>	-1.26	
			<i>For >1,000, Deduct</i>	-1.72	
			<i>For Galvanized Steel, Add</i>	2.57	
			<i>For 304 Stainless Steel, Add</i>	11.80	
			<i>For High Strength Steel (HSS), Add</i>	2.23	
05 12 23 00-0470	LF		4" x 3" x 1/4" Angle Iron.....	11.17	5.27
			<i>For >100 To 250, Deduct</i>	-0.53	
			<i>For >250 To 500, Deduct</i>	-0.81	
			<i>For >500 To 1,000, Deduct</i>	-1.26	
			<i>For >1,000, Deduct</i>	-1.72	
			<i>For Galvanized Steel, Add</i>	2.57	
			<i>For 304 Stainless Steel, Add</i>	11.80	
			<i>For High Strength Steel (HSS), Add</i>	2.23	
05 12 23 00-0471	LF		4" x 3-1/2" x 1/4" Angle Iron.....	11.74	5.49
			<i>For >100 To 250, Deduct</i>	-0.55	
			<i>For >250 To 500, Deduct</i>	-0.84	
			<i>For >500 To 1,000, Deduct</i>	-1.32	
			<i>For >1,000, Deduct</i>	-1.80	
			<i>For Galvanized Steel, Add</i>	2.73	
			<i>For 304 Stainless Steel, Add</i>	12.57	
			<i>For High Strength Steel (HSS), Add</i>	2.35	
05 12 23 00-0472	LF		4" x 4" x 1/4" Angle Iron.....	12.35	5.74
			<i>For >100 To 250, Deduct</i>	-0.57	
			<i>For >250 To 500, Deduct</i>	-0.88	
			<i>For >500 To 1,000, Deduct</i>	-1.38	
			<i>For >1,000, Deduct</i>	-1.88	
			<i>For Galvanized Steel, Add</i>	2.92	
			<i>For 304 Stainless Steel, Add</i>	13.42	
			<i>For High Strength Steel (HSS), Add</i>	2.47	
05 12 23 00-0473	LF		5" x 3" x 1/4" Angle Iron.....	12.35	5.74
			<i>For >100 To 250, Deduct</i>	-0.57	
			<i>For >250 To 500, Deduct</i>	-0.88	
			<i>For >500 To 1,000, Deduct</i>	-1.38	
			<i>For >1,000, Deduct</i>	-1.88	
			<i>For Galvanized Steel, Add</i>	2.92	
			<i>For 304 Stainless Steel, Add</i>	13.42	
			<i>For High Strength Steel (HSS), Add</i>	2.47	
05 12 23 00-0474	LF		5" x 3-1/2" x 1/4" Angle Iron.....	13.03	6.04
			<i>For >100 To 250, Deduct</i>	-0.60	
			<i>For >250 To 500, Deduct</i>	-0.93	
			<i>For >500 To 1,000, Deduct</i>	-1.46	
			<i>For >1,000, Deduct</i>	-1.98	
			<i>For Galvanized Steel, Add</i>	3.09	
			<i>For 304 Stainless Steel, Add</i>	14.19	
			<i>For High Strength Steel (HSS), Add</i>	2.61	
05 12 23 00-0475			5/16" Thick <small>(05 12 23 00-0438)</small>		
05 12 23 00-0476	LF		2-1/2" x 2" x 5/16" Angle Iron.....	8.65	4.09
			<i>For >100 To 250, Deduct</i>	-0.41	
			<i>For >250 To 500, Deduct</i>	-0.62	
			<i>For >500 To 1,000, Deduct</i>	-0.98	
			<i>For >1,000, Deduct</i>	-1.33	
			<i>For Galvanized Steel, Add</i>	1.99	
			<i>For 304 Stainless Steel, Add</i>	9.15	
			<i>For High Strength Steel (HSS), Add</i>	1.73	
05 12 23 00-0477	LF		2-1/2" x 2-1/2" x 5/16" Angle Iron.....	9.35	4.33
			<i>For >100 To 250, Deduct</i>	-0.43	
			<i>For >250 To 500, Deduct</i>	-0.67	
			<i>For >500 To 1,000, Deduct</i>	-1.05	
			<i>For >1,000, Deduct</i>	-1.42	
			<i>For Galvanized Steel, Add</i>	2.21	
			<i>For 304 Stainless Steel, Add</i>	10.17	
			<i>For High Strength Steel (HSS), Add</i>	1.87	
05 12 23 00-0478	LF		3" x 2" x 5/16" Angle Iron.....	9.35	4.33
			<i>For >100 To 250, Deduct</i>	-0.43	
			<i>For >250 To 500, Deduct</i>	-0.67	
			<i>For >500 To 1,000, Deduct</i>	-1.05	
			<i>For >1,000, Deduct</i>	-1.42	
			<i>For Galvanized Steel, Add</i>	2.21	
			<i>For 304 Stainless Steel, Add</i>	10.17	
			<i>For High Strength Steel (HSS), Add</i>	1.87	
05 12 23 00-0479	LF		3" x 2-1/2" x 5/16" Angle Iron.....	10.33	4.75
			<i>For >100 To 250, Deduct</i>	-0.47	
			<i>For >250 To 500, Deduct</i>	-0.73	
			<i>For >500 To 1,000, Deduct</i>	-1.15	
			<i>For >1,000, Deduct</i>	-1.57	
			<i>For Galvanized Steel, Add</i>	2.48	
			<i>For 304 Stainless Steel, Add</i>	11.40	
			<i>For High Strength Steel (HSS), Add</i>	2.07	

05 Metals

05 10 Structural Metal Framing

05 12 Structural Steel Framing



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0480	LF		3" x 3" x 5/16" Angle Iron	11.23	5.16
			<i>For >100 To 250, Deduct</i>	-0.52	
			<i>For >250 To 500, Deduct</i>	-0.80	
			<i>For >500 To 1,000, Deduct</i>	-1.25	
			<i>For >1,000, Deduct</i>	-1.70	
			<i>For Galvanized Steel, Add</i>	2.70	
			<i>For 304 Stainless Steel, Add</i>	12.40	
			<i>For High Strength Steel (HSS), Add</i>	2.25	
05 12 23 00-0481	LF		3-1/2" x 3" x 5/16" Angle Iron	11.93	5.42
			<i>For >100 To 250, Deduct</i>	-0.54	
			<i>For >250 To 500, Deduct</i>	-0.84	
			<i>For >500 To 1,000, Deduct</i>	-1.32	
			<i>For >1,000, Deduct</i>	-1.80	
			<i>For Galvanized Steel, Add</i>	2.92	
			<i>For 304 Stainless Steel, Add</i>	13.42	
			<i>For High Strength Steel (HSS), Add</i>	2.39	
05 12 23 00-0482	LF		3-1/2" x 3-1/2" x 5/16" Angle Iron	12.71	5.69
			<i>For >100 To 250, Deduct</i>	-0.57	
			<i>For >250 To 500, Deduct</i>	-0.89	
			<i>For >500 To 1,000, Deduct</i>	-1.39	
			<i>For >1,000, Deduct</i>	-1.90	
			<i>For Galvanized Steel, Add</i>	3.17	
			<i>For 304 Stainless Steel, Add</i>	14.59	
			<i>For High Strength Steel (HSS), Add</i>	2.54	
05 12 23 00-0483	LF		4" x 3" x 5/16" Angle Iron	12.71	5.69
			<i>For >100 To 250, Deduct</i>	-0.57	
			<i>For >250 To 500, Deduct</i>	-0.89	
			<i>For >500 To 1,000, Deduct</i>	-1.39	
			<i>For >1,000, Deduct</i>	-1.90	
			<i>For Galvanized Steel, Add</i>	3.17	
			<i>For 304 Stainless Steel, Add</i>	14.59	
			<i>For High Strength Steel (HSS), Add</i>	2.54	
05 12 23 00-0484	LF		4" x 3-1/2" x 5/16" Angle Iron	13.50	6.02
			<i>For >100 To 250, Deduct</i>	-0.60	
			<i>For >250 To 500, Deduct</i>	-0.94	
			<i>For >500 To 1,000, Deduct</i>	-1.48	
			<i>For >1,000, Deduct</i>	-2.02	
			<i>For Galvanized Steel, Add</i>	3.40	
			<i>For 304 Stainless Steel, Add</i>	15.62	
			<i>For High Strength Steel (HSS), Add</i>	2.70	
05 12 23 00-0485	LF		4" x 4" x 5/16" Angle Iron	14.22	6.28
			<i>For >100 To 250, Deduct</i>	-0.63	
			<i>For >250 To 500, Deduct</i>	-0.98	
			<i>For >500 To 1,000, Deduct</i>	-1.55	
			<i>For >1,000, Deduct</i>	-2.11	
			<i>For Galvanized Steel, Add</i>	3.63	
			<i>For 304 Stainless Steel, Add</i>	16.67	
			<i>For High Strength Steel (HSS), Add</i>	2.84	
05 12 23 00-0486	LF		5" x 3" x 5/16" Angle Iron	14.22	6.28
			<i>For >100 To 250, Deduct</i>	-0.63	
			<i>For >250 To 500, Deduct</i>	-0.98	
			<i>For >500 To 1,000, Deduct</i>	-1.55	
			<i>For >1,000, Deduct</i>	-2.11	
			<i>For Galvanized Steel, Add</i>	3.63	
			<i>For 304 Stainless Steel, Add</i>	16.67	
			<i>For High Strength Steel (HSS), Add</i>	2.84	
05 12 23 00-0487	LF		5" x 3-1/2" x 5/16" Angle Iron	14.91	6.54
			<i>For >100 To 250, Deduct</i>	-0.65	
			<i>For >250 To 500, Deduct</i>	-1.03	
			<i>For >500 To 1,000, Deduct</i>	-1.62	
			<i>For >1,000, Deduct</i>	-2.21	
			<i>For Galvanized Steel, Add</i>	3.84	
			<i>For 304 Stainless Steel, Add</i>	17.64	
			<i>For High Strength Steel (HSS), Add</i>	2.98	
05 12 23 00-0488	LF		5" x 5" x 5/16" Angle Iron	16.45	6.82
			<i>For >100 To 250, Deduct</i>	-0.68	
			<i>For >250 To 500, Deduct</i>	-1.09	
			<i>For >500 To 1,000, Deduct</i>	-1.73	
			<i>For >1,000, Deduct</i>	-2.37	
			<i>For Galvanized Steel, Add</i>	4.56	
			<i>For 304 Stainless Steel, Add</i>	20.95	
			<i>For High Strength Steel (HSS), Add</i>	3.29	
05 12 23 00-0489	LF		6" x 3-1/2" x 5/16" Angle Iron	16.45	7.10
			<i>For >100 To 250, Deduct</i>	-0.71	
			<i>For >250 To 500, Deduct</i>	-1.12	
			<i>For >500 To 1,000, Deduct</i>	-1.77	
			<i>For >1,000, Deduct</i>	-2.42	
			<i>For Galvanized Steel, Add</i>	4.32	
			<i>For 304 Stainless Steel, Add</i>	19.86	
			<i>For High Strength Steel (HSS), Add</i>	3.29	

05 12 23 00-0490 3/8" Thick (05 12 23 00-0438)



Metals	05
Structural Metal Framing	05 10
Structural Steel Framing	05 12

05

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0491	LF		3" x 2" x 3/8" Angle Iron.....	10.24	4.53
			<i>For >100 To 250, Deduct</i>	-0.45	
			<i>For >250 To 500, Deduct</i>	-0.71	
			<i>For >500 To 1,000, Deduct</i>	-1.12	
			<i>For >1,000, Deduct</i>	-1.52	
			<i>For Galvanized Steel, Add</i>	2.60	
			<i>For 304 Stainless Steel, Add</i>	11.97	
			<i>For High Strength Steel (HSS), Add</i>	2.05	
05 12 23 00-0492	LF		3" x 2-1/2" x 3/8" Angle Iron.....	11.25	4.91
			<i>For >100 To 250, Deduct</i>	-0.49	
			<i>For >250 To 500, Deduct</i>	-0.77	
			<i>For >500 To 1,000, Deduct</i>	-1.22	
			<i>For >1,000, Deduct</i>	-1.66	
			<i>For Galvanized Steel, Add</i>	2.92	
			<i>For 304 Stainless Steel, Add</i>	13.42	
			<i>For High Strength Steel (HSS), Add</i>	2.25	
05 12 23 00-0493	LF		3" x 3" x 3/8" Angle Iron.....	12.16	5.28
			<i>For >100 To 250, Deduct</i>	-0.53	
			<i>For >250 To 500, Deduct</i>	-0.83	
			<i>For >500 To 1,000, Deduct</i>	-1.31	
			<i>For >1,000, Deduct</i>	-1.79	
			<i>For Galvanized Steel, Add</i>	3.17	
			<i>For 304 Stainless Steel, Add</i>	14.59	
			<i>For High Strength Steel (HSS), Add</i>	2.43	
05 12 23 00-0494	LF		3-1/2" x 3" x 3/8" Angle Iron.....	12.88	5.43
			<i>For >100 To 250, Deduct</i>	-0.54	
			<i>For >250 To 500, Deduct</i>	-0.87	
			<i>For >500 To 1,000, Deduct</i>	-1.37	
			<i>For >1,000, Deduct</i>	-1.87	
			<i>For Galvanized Steel, Add</i>	3.50	
			<i>For 304 Stainless Steel, Add</i>	16.07	
			<i>For High Strength Steel (HSS), Add</i>	2.58	
05 12 23 00-0495	LF		3-1/2" x 3-1/2" x 3/8" Angle Iron.....	13.69	5.73
			<i>For >100 To 250, Deduct</i>	-0.57	
			<i>For >250 To 500, Deduct</i>	-0.92	
			<i>For >500 To 1,000, Deduct</i>	-1.45	
			<i>For >1,000, Deduct</i>	-1.98	
			<i>For Galvanized Steel, Add</i>	3.75	
			<i>For 304 Stainless Steel, Add</i>	17.24	
			<i>For High Strength Steel (HSS), Add</i>	2.74	
05 12 23 00-0496	LF		4" x 3" x 3/8" Angle Iron.....	13.69	5.73
			<i>For >100 To 250, Deduct</i>	-0.57	
			<i>For >250 To 500, Deduct</i>	-0.92	
			<i>For >500 To 1,000, Deduct</i>	-1.45	
			<i>For >1,000, Deduct</i>	-1.98	
			<i>For Galvanized Steel, Add</i>	3.75	
			<i>For 304 Stainless Steel, Add</i>	17.24	
			<i>For High Strength Steel (HSS), Add</i>	2.74	
05 12 23 00-0497	LF		4" x 3-1/2" x 3/8" Angle Iron.....	14.80	6.24
			<i>For >100 To 250, Deduct</i>	-0.62	
			<i>For >250 To 500, Deduct</i>	-0.99	
			<i>For >500 To 1,000, Deduct</i>	-1.57	
			<i>For >1,000, Deduct</i>	-2.15	
			<i>For Galvanized Steel, Add</i>	4.02	
			<i>For 304 Stainless Steel, Add</i>	18.47	
			<i>For High Strength Steel (HSS), Add</i>	2.96	
05 12 23 00-0498	LF		4" x 4" x 3/8" Angle Iron.....	15.53	6.42
			<i>For >100 To 250, Deduct</i>	-0.64	
			<i>For >250 To 500, Deduct</i>	-1.03	
			<i>For >500 To 1,000, Deduct</i>	-1.63	
			<i>For >1,000, Deduct</i>	-2.23	
			<i>For Galvanized Steel, Add</i>	4.32	
			<i>For 304 Stainless Steel, Add</i>	19.86	
			<i>For High Strength Steel (HSS), Add</i>	3.11	
05 12 23 00-0499	LF		5" x 3" x 3/8" Angle Iron.....	15.88	6.68
			<i>For >100 To 250, Deduct</i>	-0.67	
			<i>For >250 To 500, Deduct</i>	-1.07	
			<i>For >500 To 1,000, Deduct</i>	-1.69	
			<i>For >1,000, Deduct</i>	-2.30	
			<i>For Galvanized Steel, Add</i>	4.32	
			<i>For 304 Stainless Steel, Add</i>	19.86	
			<i>For High Strength Steel (HSS), Add</i>	3.18	
05 12 23 00-0500	LF		5" x 3-1/2" x 3/8" Angle Iron.....	17.00	7.19
			<i>For >100 To 250, Deduct</i>	-0.72	
			<i>For >250 To 500, Deduct</i>	-1.15	
			<i>For >500 To 1,000, Deduct</i>	-1.81	
			<i>For >1,000, Deduct</i>	-2.48	
			<i>For Galvanized Steel, Add</i>	4.59	
			<i>For 304 Stainless Steel, Add</i>	21.09	
			<i>For High Strength Steel (HSS), Add</i>	3.40	

05 Metals**05 10 Structural Metal Framing****05 12 Structural Steel Framing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0501	LF		5" x 5" x 3/8" Angle Iron	19.96	8.38
			For >100 To 250, Deduct	-0.84	
			For >250 To 500, Deduct	-1.34	
			For >500 To 1,000, Deduct	-2.12	
			For >1,000, Deduct	-2.89	
			For Galvanized Steel, Add	5.44	
			For 304 Stainless Steel, Add	25.02	
			For High Strength Steel (HSS), Add	3.99	
05 12 23 00-0502	LF		6" x 3-1/2" x 3/8" Angle Iron	18.72	7.80
			For >100 To 250, Deduct	-0.78	
			For >250 To 500, Deduct	-1.25	
			For >500 To 1,000, Deduct	-1.98	
			For >1,000, Deduct	-2.70	
			For Galvanized Steel, Add	5.16	
			For 304 Stainless Steel, Add	23.74	
			For High Strength Steel (HSS), Add	3.74	
05 12 23 00-0503	LF		6" x 4" x 3/8" Angle Iron	19.96	8.38
			For >100 To 250, Deduct	-0.84	
			For >250 To 500, Deduct	-1.34	
			For >500 To 1,000, Deduct	-2.12	
			For >1,000, Deduct	-2.89	
			For Galvanized Steel, Add	5.44	
			For 304 Stainless Steel, Add	25.02	
			For High Strength Steel (HSS), Add	3.99	
05 12 23 00-0504	LF		6" x 6" x 3/8" Angle Iron	24.04	10.06
			For >100 To 250, Deduct	-1.01	
			For >250 To 500, Deduct	-1.61	
			For >500 To 1,000, Deduct	-2.54	
			For >1,000, Deduct	-3.48	
			For Galvanized Steel, Add	6.59	
			For 304 Stainless Steel, Add	30.30	
			For High Strength Steel (HSS), Add	4.81	
05 12 23 00-0505	LF		7" x 4" x 3/8" Angle Iron	22.01	9.23
			For >100 To 250, Deduct	-0.92	
			For >250 To 500, Deduct	-1.47	
			For >500 To 1,000, Deduct	-2.33	
			For >1,000, Deduct	-3.19	
			For Galvanized Steel, Add	6.01	
			For 304 Stainless Steel, Add	27.65	
			For High Strength Steel (HSS), Add	4.40	
05 12 23 00-0506			1/2" Thick (05 12 23 00-0438)		
05 12 23 00-0507	LF		3" x 3" x 1/2" Angle Iron	13.91	5.40
			For >100 To 250, Deduct	-0.54	
			For >250 To 500, Deduct	-0.89	
			For >500 To 1,000, Deduct	-1.42	
			For >1,000, Deduct	-1.94	
			For Galvanized Steel, Add	4.16	
			For 304 Stainless Steel, Add	19.12	
			For High Strength Steel (HSS), Add	2.78	
05 12 23 00-0508	LF		4" x 3" x 1/2" Angle Iron	16.42	6.38
			For >100 To 250, Deduct	-0.64	
			For >250 To 500, Deduct	-1.05	
			For >500 To 1,000, Deduct	-1.67	
			For >1,000, Deduct	-2.29	
			For Galvanized Steel, Add	4.91	
			For 304 Stainless Steel, Add	22.57	
			For High Strength Steel (HSS), Add	3.28	
05 12 23 00-0509	LF		4" x 3-1/2" x 1/2" Angle Iron	17.61	6.83
			For >100 To 250, Deduct	-0.68	
			For >250 To 500, Deduct	-1.12	
			For >500 To 1,000, Deduct	-1.79	
			For >1,000, Deduct	-2.46	
			For Galvanized Steel, Add	5.26	
			For 304 Stainless Steel, Add	24.20	
			For High Strength Steel (HSS), Add	3.52	
05 12 23 00-0510	LF		4" x 4" x 1/2" Angle Iron	18.93	7.36
			For >100 To 250, Deduct	-0.74	
			For >250 To 500, Deduct	-1.21	
			For >500 To 1,000, Deduct	-1.93	
			For >1,000, Deduct	-2.64	
			For Galvanized Steel, Add	5.66	
			For 304 Stainless Steel, Add	26.02	
			For High Strength Steel (HSS), Add	3.79	
05 12 23 00-0511	LF		5" x 3" x 1/2" Angle Iron	18.93	7.36
			For >100 To 250, Deduct	-0.74	
			For >250 To 500, Deduct	-1.21	
			For >500 To 1,000, Deduct	-1.93	
			For >1,000, Deduct	-2.64	
			For Galvanized Steel, Add	5.66	
			For 304 Stainless Steel, Add	26.02	
			For High Strength Steel (HSS), Add	3.79	



Metals	05	05
Structural Metal Framing	05 10	
Structural Steel Framing	05 12	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0512	LF		5" x 3-1/2" x 1/2" Angle Iron.....	20.11	7.81
			<i>For >100 To 250, Deduct</i>	-0.78	
			<i>For >250 To 500, Deduct</i>	-1.28	
			<i>For >500 To 1,000, Deduct</i>	-2.05	
			<i>For >1,000, Deduct</i>	-2.81	
			<i>For Galvanized Steel, Add</i>	6.01	
			<i>For 304 Stainless Steel, Add</i>	27.65	
			<i>For High Strength Steel (HSS), Add</i>	4.02	
05 12 23 00-0513	LF		5" x 5" x 1/2" Angle Iron.....	23.97	9.31
			<i>For >100 To 250, Deduct</i>	-0.93	
			<i>For >250 To 500, Deduct</i>	-1.53	
			<i>For >500 To 1,000, Deduct</i>	-2.44	
			<i>For >1,000, Deduct</i>	-3.35	
			<i>For Galvanized Steel, Add</i>	7.17	
			<i>For 304 Stainless Steel, Add</i>	32.95	
			<i>For High Strength Steel (HSS), Add</i>	4.79	
05 12 23 00-0514	LF		6" x 4" x 1/2" Angle Iron.....	23.97	9.31
			<i>For >100 To 250, Deduct</i>	-0.93	
			<i>For >250 To 500, Deduct</i>	-1.53	
			<i>For >500 To 1,000, Deduct</i>	-2.44	
			<i>For >1,000, Deduct</i>	-3.35	
			<i>For Galvanized Steel, Add</i>	7.17	
			<i>For 304 Stainless Steel, Add</i>	32.95	
			<i>For High Strength Steel (HSS), Add</i>	4.79	
05 12 23 00-0515	LF		6" x 6" x 1/2" Angle Iron.....	28.99	11.26
			<i>For >100 To 250, Deduct</i>	-1.13	
			<i>For >250 To 500, Deduct</i>	-1.85	
			<i>For >500 To 1,000, Deduct</i>	-2.95	
			<i>For >1,000, Deduct</i>	-4.05	
			<i>For Galvanized Steel, Add</i>	8.67	
			<i>For 304 Stainless Steel, Add</i>	39.84	
			<i>For High Strength Steel (HSS), Add</i>	5.80	
05 12 23 00-0516	LF		7" x 4" x 1/2" Angle Iron.....	26.48	10.28
			<i>For >100 To 250, Deduct</i>	-1.03	
			<i>For >250 To 500, Deduct</i>	-1.69	
			<i>For >500 To 1,000, Deduct</i>	-2.70	
			<i>For >1,000, Deduct</i>	-3.70	
			<i>For Galvanized Steel, Add</i>	7.92	
			<i>For 304 Stainless Steel, Add</i>	36.39	
			<i>For High Strength Steel (HSS), Add</i>	5.30	
05 12 23 00-0517	LF		8" x 4" x 1/2" Angle Iron.....	28.99	11.26
			<i>For >100 To 250, Deduct</i>	-1.13	
			<i>For >250 To 500, Deduct</i>	-1.85	
			<i>For >500 To 1,000, Deduct</i>	-2.95	
			<i>For >1,000, Deduct</i>	-4.05	
			<i>For Galvanized Steel, Add</i>	8.67	
			<i>For 304 Stainless Steel, Add</i>	39.84	
			<i>For High Strength Steel (HSS), Add</i>	5.80	
05 12 23 00-0518	LF		8" x 6" x 1/2" Angle Iron.....	34.03	13.22
			<i>For >100 To 250, Deduct</i>	-1.32	
			<i>For >250 To 500, Deduct</i>	-2.17	
			<i>For >500 To 1,000, Deduct</i>	-3.46	
			<i>For >1,000, Deduct</i>	-4.75	
			<i>For Galvanized Steel, Add</i>	10.17	
			<i>For 304 Stainless Steel, Add</i>	46.77	
			<i>For High Strength Steel (HSS), Add</i>	6.81	
05 12 23 00-0519	LF		8" x 8" x 1/2" Angle Iron.....	39.06	15.16
			<i>For >100 To 250, Deduct</i>	-1.52	
			<i>For >250 To 500, Deduct</i>	-2.49	
			<i>For >500 To 1,000, Deduct</i>	-3.98	
			<i>For >1,000, Deduct</i>	-5.46	
			<i>For Galvanized Steel, Add</i>	11.67	
			<i>For 304 Stainless Steel, Add</i>	53.67	
			<i>For High Strength Steel (HSS), Add</i>	7.81	
05 12 23 00-0520			5/8" Thick <small>(05 12 23 00-0438)</small>		
05 12 23 00-0521	LF		4" x 4" x 5/8" Angle Iron.....	22.44	8.43
			<i>For >100 To 250, Deduct</i>	-0.84	
			<i>For >250 To 500, Deduct</i>	-1.40	
			<i>For >500 To 1,000, Deduct</i>	-2.25	
			<i>For >1,000, Deduct</i>	-3.09	
			<i>For Galvanized Steel, Add</i>	6.94	
			<i>For High Strength Steel (HSS), Add</i>	4.49	
05 12 23 00-0522	LF		5" x 3-1/2" x 5/8" Angle Iron.....	24.01	9.02
			<i>For >100 To 250, Deduct</i>	-0.90	
			<i>For >250 To 500, Deduct</i>	-1.50	
			<i>For >500 To 1,000, Deduct</i>	-2.40	
			<i>For >1,000, Deduct</i>	-3.30	
			<i>For Galvanized Steel, Add</i>	7.43	
			<i>For High Strength Steel (HSS), Add</i>	4.80	

05 Metals

05 10 Structural Metal Framing

05 12 Structural Steel Framing



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0523	LF		5" x 5" x 5/8" Angle Iron	28.59	10.74
			For >100 To 250, Deduct	-1.07	
			For >250 To 500, Deduct	-1.79	
			For >500 To 1,000, Deduct	-2.86	
			For >1,000, Deduct	-3.93	
			For Galvanized Steel, Add	8.85	
			For High Strength Steel (HSS), Add	5.72	
05 12 23 00-0524	LF		6" x 4" x 5/8" Angle Iron	28.59	10.74
			For >100 To 250, Deduct	-1.07	
			For >250 To 500, Deduct	-1.79	
			For >500 To 1,000, Deduct	-2.86	
			For >1,000, Deduct	-3.93	
			For Galvanized Steel, Add	8.85	
			For High Strength Steel (HSS), Add	5.72	
05 12 23 00-0525	LF		6" x 6" x 5/8" Angle Iron	34.60	12.99
			For >100 To 250, Deduct	-1.30	
			For >250 To 500, Deduct	-2.16	
			For >500 To 1,000, Deduct	-3.46	
			For >1,000, Deduct	-4.76	
			For Galvanized Steel, Add	10.71	
			For High Strength Steel (HSS), Add	6.92	
05 12 23 00-0526	LF		7" x 4" x 5/8" Angle Iron	31.59	11.86
			For >100 To 250, Deduct	-1.19	
			For >250 To 500, Deduct	-1.98	
			For >500 To 1,000, Deduct	-3.16	
			For >1,000, Deduct	-4.35	
			For Galvanized Steel, Add	9.78	
			For High Strength Steel (HSS), Add	6.32	
05 12 23 00-0527	LF		8" x 6" x 5/8" Angle Iron	40.74	15.31
			For >100 To 250, Deduct	-1.53	
			For >250 To 500, Deduct	-2.55	
			For >500 To 1,000, Deduct	-4.08	
			For >1,000, Deduct	-5.61	
			For Galvanized Steel, Add	12.60	
			For High Strength Steel (HSS), Add	8.15	
05 12 23 00-0528	LF		8" x 8" x 5/8" Angle Iron	46.74	17.56
			For >100 To 250, Deduct	-1.76	
			For >250 To 500, Deduct	-2.92	
			For >500 To 1,000, Deduct	-4.68	
			For >1,000, Deduct	-6.43	
			For Galvanized Steel, Add	14.46	
			For High Strength Steel (HSS), Add	9.35	
05 12 23 00-0529			3/4" Thick (05 12 23 00-0438)		
05 12 23 00-0530	LF		4" x 4" x 3/4" Angle Iron	25.62	9.32
			For >100 To 250, Deduct	-0.93	
			For >250 To 500, Deduct	-1.57	
			For >500 To 1,000, Deduct	-2.52	
			For >1,000, Deduct	-3.47	
			For Galvanized Steel, Add	8.18	
			For High Strength Steel (HSS), Add	5.12	
05 12 23 00-0531	LF		5" x 3-1/2" x 3/4" Angle Iron	27.41	9.97
			For >100 To 250, Deduct	-1.00	
			For >250 To 500, Deduct	-1.68	
			For >500 To 1,000, Deduct	-2.70	
			For >1,000, Deduct	-3.72	
			For Galvanized Steel, Add	8.75	
			For High Strength Steel (HSS), Add	5.48	
05 12 23 00-0532	LF		5" x 5" x 3/4" Angle Iron	32.68	11.88
			For >100 To 250, Deduct	-1.19	
			For >250 To 500, Deduct	-2.01	
			For >500 To 1,000, Deduct	-3.22	
			For >1,000, Deduct	-4.43	
			For Galvanized Steel, Add	10.44	
			For High Strength Steel (HSS), Add	6.54	
05 12 23 00-0533	LF		6" x 4" x 3/4" Angle Iron	32.68	11.88
			For >100 To 250, Deduct	-1.19	
			For >250 To 500, Deduct	-2.01	
			For >500 To 1,000, Deduct	-3.22	
			For >1,000, Deduct	-4.43	
			For Galvanized Steel, Add	10.44	
			For High Strength Steel (HSS), Add	6.54	
05 12 23 00-0534	LF		6" x 6" x 3/4" Angle Iron	39.74	14.44
			For >100 To 250, Deduct	-1.45	
			For >250 To 500, Deduct	-2.44	
			For >500 To 1,000, Deduct	-3.91	
			For >1,000, Deduct	-5.39	
			For Galvanized Steel, Add	12.69	
			For High Strength Steel (HSS), Add	7.95	
05 12 23 00-0535	LF		7" x 4" x 3/4" Angle Iron	36.27	13.19
			For >100 To 250, Deduct	-1.32	
			For >250 To 500, Deduct	-2.23	
			For >500 To 1,000, Deduct	-3.57	
			For >1,000, Deduct	-4.92	
			For Galvanized Steel, Add	11.59	
			For High Strength Steel (HSS), Add	7.25	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0536 LF 8" x 4" x 3/4" Angle Iron	39.74	14.44
For >100 To 250, Deduct	-1.45	
For >250 To 500, Deduct	-2.44	
For >500 To 1,000, Deduct	-3.91	
For >1,000, Deduct	-5.39	
For Galvanized Steel, Add	12.69	
For High Strength Steel (HSS), Add	7.95	
05 12 23 00-0537 LF 8" x 6" x 3/4" Angle Iron	46.80	17.02
For >100 To 250, Deduct	-1.70	
For >250 To 500, Deduct	-2.87	
For >500 To 1,000, Deduct	-4.61	
For >1,000, Deduct	-6.35	
For Galvanized Steel, Add	14.95	
For High Strength Steel (HSS), Add	9.36	
05 12 23 00-0538 LF 8" x 8" x 3/4" Angle Iron	53.87	19.58
For >100 To 250, Deduct	-1.96	
For >250 To 500, Deduct	-3.31	
For >500 To 1,000, Deduct	-5.30	
For >1,000, Deduct	-7.30	
For Galvanized Steel, Add	17.21	
For High Strength Steel (HSS), Add	10.77	
05 12 23 00-0539 7/8" Thick <small>(05 12 23 00-0438)</small>		
05 12 23 00-0540 LF 5" x 5" x 7/8" Angle Iron	36.44	12.78
For >100 To 250, Deduct	-1.28	
For >250 To 500, Deduct	-2.19	
For >500 To 1,000, Deduct	-3.53	
For >1,000, Deduct	-4.86	
For Galvanized Steel, Add	12.03	
For High Strength Steel (HSS), Add	7.29	
05 12 23 00-0541 LF 6" x 4" x 7/8" Angle Iron	36.44	12.78
For >100 To 250, Deduct	-1.28	
For >250 To 500, Deduct	-2.19	
For >500 To 1,000, Deduct	-3.53	
For >1,000, Deduct	-4.86	
For Galvanized Steel, Add	12.03	
For High Strength Steel (HSS), Add	7.29	
05 12 23 00-0542 LF 6" x 6" x 7/8" Angle Iron	44.36	15.56
For >100 To 250, Deduct	-1.56	
For >250 To 500, Deduct	-2.66	
For >500 To 1,000, Deduct	-4.29	
For >1,000, Deduct	-5.92	
For Galvanized Steel, Add	14.64	
For High Strength Steel (HSS), Add	8.87	
05 12 23 00-0543 LF 8" x 6" x 7/8" Angle Iron	52.39	18.37
For >100 To 250, Deduct	-1.84	
For >250 To 500, Deduct	-3.15	
For >500 To 1,000, Deduct	-5.07	
For >1,000, Deduct	-6.99	
For Galvanized Steel, Add	17.30	
For High Strength Steel (HSS), Add	10.48	
05 12 23 00-0544 LF 8" x 8" x 7/8" Angle Iron	60.29	21.14
For >100 To 250, Deduct	-2.11	
For >250 To 500, Deduct	-3.62	
For >500 To 1,000, Deduct	-5.83	
For >1,000, Deduct	-8.05	
For Galvanized Steel, Add	19.90	
For High Strength Steel (HSS), Add	12.06	
05 12 23 00-0545 Bar Channel <small>(05 12 23 00-0437)</small>		
05 12 23 00-0546 LF 1" x 1/2" x 1/8" Thick Bar Channel	3.60	
For 316 Stainless Steel, Add	2.50	
For Aluminum, Add	0.14	
For Galvanized Steel, Add	0.48	
For 304 Stainless Steel, Add	2.22	
For High Strength Steel (HSS), Add	0.72	
05 12 23 00-0547 LF 1-1/4" x 1/2" x 1/8" Thick Bar Channel	4.00	
For 316 Stainless Steel, Add	2.98	
For Aluminum, Add	0.17	
For Galvanized Steel, Add	0.58	
For 304 Stainless Steel, Add	2.65	
For High Strength Steel (HSS), Add	0.80	
05 12 23 00-0548 LF 1-1/2" x 1/2" x 1/8" Thick Bar Channel	4.35	
For 316 Stainless Steel, Add	3.30	
For Aluminum, Add	0.19	
For Galvanized Steel, Add	0.64	
For 304 Stainless Steel, Add	2.94	
For High Strength Steel (HSS), Add	0.87	
05 12 23 00-0549 LF 1-1/2" x 3/4" x 1/8" Thick Bar Channel	5.04	
For 316 Stainless Steel, Add	3.42	
For Aluminum, Add	0.19	
For Galvanized Steel, Add	0.66	
For 304 Stainless Steel, Add	3.05	
For High Strength Steel (HSS), Add	1.01	

05 Metals**05 10 Structural Metal Framing****05 12 Structural Steel Framing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0550	LF		2" x 1/2" x 1/8" Thick Bar Channel.....	5.28	
			For 316 Stainless Steel, Add	4.19	
			For Aluminum, Add	0.24	
			For Galvanized Steel, Add	0.81	
			For 304 Stainless Steel, Add	3.73	
05 12 23 00-0551	LF		2" x 1" x 1/8" Thick Bar Channel.....	7.15	
			For 316 Stainless Steel, Add	4.70	
			For Aluminum, Add	0.26	
			For Galvanized Steel, Add	0.91	
			For 304 Stainless Steel, Add	4.19	
05 12 23 00-0552			Channels - C (05 12 23 00-0437)		
05 12 23 00-0553	LF		C2 x 1.78 - 2" Wide Channel.....	5.92	3.50
			For >100 To 250, Deduct	-0.35	
			For >250 To 500, Deduct	-0.50	
			For >500 To 1,000, Deduct	-0.76	
			For >1,000, Deduct	-1.03	
			For 316 Stainless Steel, Add	4.00	
			For Aluminum, Add	0.23	
			For Galvanized Steel, Add	0.78	
			For 304 Stainless Steel, Add	3.56	
05 12 23 00-0554	LF		C3 x 4.1 - 3" Wide Channel.....	9.63	5.03
			For >100 To 250, Deduct	-0.50	
			For >250 To 500, Deduct	-0.74	
			For >500 To 1,000, Deduct	-1.15	
			For >1,000, Deduct	-1.56	
			For 316 Stainless Steel, Add	9.34	
			For Aluminum, Add	0.53	
			For Galvanized Steel, Add	1.81	
			For 304 Stainless Steel, Add	8.32	
05 12 23 00-0555	LF		C3 x 5 - 3" Wide Channel.....	11.76	6.14
			For >100 To 250, Deduct	-0.61	
			For >250 To 500, Deduct	-0.91	
			For >500 To 1,000, Deduct	-1.41	
			For >1,000, Deduct	-1.91	
			For 316 Stainless Steel, Add	11.42	
			For Aluminum, Add	0.64	
			For Galvanized Steel, Add	2.21	
			For 304 Stainless Steel, Add	10.17	
05 12 23 00-0556	LF		C3 x 6 - 3" Wide Channel.....	14.10	7.37
			For >100 To 250, Deduct	-0.74	
			For >250 To 500, Deduct	-1.09	
			For >500 To 1,000, Deduct	-1.69	
			For >1,000, Deduct	-2.29	
			For 316 Stainless Steel, Add	13.70	
			For Aluminum, Add	0.77	
			For Galvanized Steel, Add	2.65	
			For 304 Stainless Steel, Add	12.20	
05 12 23 00-0557	LF		C4 x 5.4 - 4" Wide Channel.....	11.90	6.04
			For >100 To 250, Deduct	-0.60	
			For >250 To 500, Deduct	-0.90	
			For >500 To 1,000, Deduct	-1.40	
			For >1,000, Deduct	-1.90	
			For 316 Stainless Steel, Add	12.32	
			For Aluminum, Add	0.69	
			For Galvanized Steel, Add	2.39	
			For 304 Stainless Steel, Add	10.97	
05 12 23 00-0558	LF		C4 x 7.25 - 4" Wide Channel.....	15.98	8.11
			For >100 To 250, Deduct	-0.81	
			For >250 To 500, Deduct	-1.21	
			For >500 To 1,000, Deduct	-1.88	
			For >1,000, Deduct	-2.55	
			For 316 Stainless Steel, Add	16.54	
			For Aluminum, Add	0.93	
			For Galvanized Steel, Add	3.21	
			For 304 Stainless Steel, Add	14.73	
05 12 23 00-0559	LF		C5 x 6.7 - 5" Wide Channel.....	14.18	7.04
			For >100 To 250, Deduct	-0.71	
			For >250 To 500, Deduct	-1.06	
			For >500 To 1,000, Deduct	-1.65	
			For >1,000, Deduct	-2.24	
			For 316 Stainless Steel, Add	15.30	
			For Aluminum, Add	0.86	
			For Galvanized Steel, Add	2.96	
			For 304 Stainless Steel, Add	13.62	
05 12 23 00-0560	LF		C5 x 9 - 5" Wide Channel.....	19.04	9.47
			For >100 To 250, Deduct	-0.95	
			For >250 To 500, Deduct	-1.42	
			For >500 To 1,000, Deduct	-2.21	
			For >1,000, Deduct	-3.01	
			For 316 Stainless Steel, Add	20.54	
			For Aluminum, Add	1.16	
			For Galvanized Steel, Add	3.98	
			For 304 Stainless Steel, Add	18.30	



Metals	05	05
Structural Metal Framing	05 10	
Structural Steel Framing	05 12	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0561	LF		C6 x 8.2 - 6" Wide Channel	17.13	8.45
			For >100 To 250, Deduct	-0.85	
			For >250 To 500, Deduct	-1.27	
			For >500 To 1,000, Deduct	-1.98	
			For >1,000, Deduct	-2.69	
			For 316 Stainless Steel, Add	18.72	
			For Aluminum, Add	1.05	
			For Galvanized Steel, Add	3.63	
			For 304 Stainless Steel, Add	16.67	
05 12 23 00-0562	LF		C6 x 10.5 - 6" Wide Channel	21.92	10.83
			For >100 To 250, Deduct	-1.08	
			For >250 To 500, Deduct	-1.63	
			For >500 To 1,000, Deduct	-2.54	
			For >1,000, Deduct	-3.45	
			For 316 Stainless Steel, Add	23.97	
			For Aluminum, Add	1.35	
			For Galvanized Steel, Add	4.64	
			For 304 Stainless Steel, Add	21.35	
05 12 23 00-0563	LF		C6 x 13 - 6" Wide Channel	27.15	13.40
			For >100 To 250, Deduct	-1.34	
			For >250 To 500, Deduct	-2.02	
			For >500 To 1,000, Deduct	-3.15	
			For >1,000, Deduct	-4.27	
			For 316 Stainless Steel, Add	29.66	
			For Aluminum, Add	1.67	
			For Galvanized Steel, Add	5.75	
			For 304 Stainless Steel, Add	26.42	
05 12 23 00-0564	LF		C7 x 9.8 - 7" Wide Channel	20.41	10.06
			For >100 To 250, Deduct	-1.01	
			For >250 To 500, Deduct	-1.52	
			For >500 To 1,000, Deduct	-2.36	
			For >1,000, Deduct	-3.21	
			For 316 Stainless Steel, Add	22.37	
			For Aluminum, Add	1.26	
			For Galvanized Steel, Add	4.33	
			For 304 Stainless Steel, Add	19.92	
05 12 23 00-0565	LF		C7 x 12.25 - 7" Wide Channel	25.51	12.58
			For >100 To 250, Deduct	-1.26	
			For >250 To 500, Deduct	-1.90	
			For >500 To 1,000, Deduct	-2.95	
			For >1,000, Deduct	-4.01	
			For 316 Stainless Steel, Add	27.97	
			For Aluminum, Add	1.57	
			For Galvanized Steel, Add	5.42	
			For 304 Stainless Steel, Add	24.91	
05 12 23 00-0566	LF		C7 x 14.75 - 7" Wide Channel	30.73	15.15
			For >100 To 250, Deduct	-1.52	
			For >250 To 500, Deduct	-2.28	
			For >500 To 1,000, Deduct	-3.56	
			For >1,000, Deduct	-4.83	
			For 316 Stainless Steel, Add	33.66	
			For Aluminum, Add	1.89	
			For Galvanized Steel, Add	6.52	
			For 304 Stainless Steel, Add	29.98	
05 12 23 00-0567	LF		C8 x 11.5 - 8" Wide Channel	22.97	11.08
			For >100 To 250, Deduct	-1.11	
			For >250 To 500, Deduct	-1.68	
			For >500 To 1,000, Deduct	-2.63	
			For >1,000, Deduct	-3.57	
			For 316 Stainless Steel, Add	26.24	
			For Aluminum, Add	1.48	
			For Galvanized Steel, Add	5.08	
			For 304 Stainless Steel, Add	23.37	
05 12 23 00-0568	LF		C8 x 13.75 - 8" Wide Channel	27.47	13.24
			For >100 To 250, Deduct	-1.32	
			For >250 To 500, Deduct	-2.01	
			For >500 To 1,000, Deduct	-3.14	
			For >1,000, Deduct	-4.27	
			For 316 Stainless Steel, Add	31.39	
			For Aluminum, Add	1.77	
			For Galvanized Steel, Add	6.08	
			For 304 Stainless Steel, Add	27.96	
05 12 23 00-0569	LF		C8 x 18.75 - 8" Wide Channel	37.45	18.06
			For >100 To 250, Deduct	-1.81	
			For >250 To 500, Deduct	-2.74	
			For >500 To 1,000, Deduct	-4.28	
			For >1,000, Deduct	-5.82	
			For 316 Stainless Steel, Add	42.82	
			For Aluminum, Add	2.41	
			For Galvanized Steel, Add	8.30	
			For 304 Stainless Steel, Add	38.13	

05 Metals

05 10 Structural Metal Framing

05 12 Structural Steel Framing



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0570	LF		C9 x 13.4 - 9" Wide Channel.....	26.77	12.90
			<i>For >100 To 250, Deduct</i>	-1.29	
			<i>For >250 To 500, Deduct</i>	-1.96	
			<i>For >500 To 1,000, Deduct</i>	-3.06	
			<i>For >1,000, Deduct</i>	-4.16	
			<i>For 316 Stainless Steel, Add</i>	30.59	
			<i>For Aluminum, Add</i>	1.72	
			<i>For Galvanized Steel, Add</i>	5.93	
			<i>For 304 Stainless Steel, Add</i>	27.25	
05 12 23 00-0571	LF		C9 x 15 - 9" Wide Channel.....	29.96	14.44
			<i>For >100 To 250, Deduct</i>	-1.44	
			<i>For >250 To 500, Deduct</i>	-2.19	
			<i>For >500 To 1,000, Deduct</i>	-3.42	
			<i>For >1,000, Deduct</i>	-4.65	
			<i>For 316 Stainless Steel, Add</i>	34.24	
			<i>For Aluminum, Add</i>	1.93	
			<i>For Galvanized Steel, Add</i>	6.63	
			<i>For 304 Stainless Steel, Add</i>	30.50	
05 12 23 00-0572	LF		C9 x 20 - 9" Wide Channel.....	39.95	19.26
			<i>For >100 To 250, Deduct</i>	-1.93	
			<i>For >250 To 500, Deduct</i>	-2.92	
			<i>For >500 To 1,000, Deduct</i>	-4.57	
			<i>For >1,000, Deduct</i>	-6.21	
			<i>For 316 Stainless Steel, Add</i>	45.66	
			<i>For Aluminum, Add</i>	2.57	
			<i>For Galvanized Steel, Add</i>	8.85	
			<i>For 304 Stainless Steel, Add</i>	40.67	
05 12 23 00-0573	LF		C10 x 15.3 - 10" Wide Channel.....	30.55	14.73
			<i>For >100 To 250, Deduct</i>	-1.47	
			<i>For >250 To 500, Deduct</i>	-2.24	
			<i>For >500 To 1,000, Deduct</i>	-3.49	
			<i>For >1,000, Deduct</i>	-4.75	
			<i>For 316 Stainless Steel, Add</i>	34.91	
			<i>For Aluminum, Add</i>	1.96	
			<i>For Galvanized Steel, Add</i>	6.76	
			<i>For 304 Stainless Steel, Add</i>	31.09	
05 12 23 00-0574	LF		C10 x 20 - 10" Wide Channel.....	39.95	19.26
			<i>For >100 To 250, Deduct</i>	-1.93	
			<i>For >250 To 500, Deduct</i>	-2.92	
			<i>For >500 To 1,000, Deduct</i>	-4.57	
			<i>For >1,000, Deduct</i>	-6.21	
			<i>For 316 Stainless Steel, Add</i>	45.66	
			<i>For Aluminum, Add</i>	2.57	
			<i>For Galvanized Steel, Add</i>	8.85	
			<i>For 304 Stainless Steel, Add</i>	40.67	
05 12 23 00-0575	LF		C10 x 25 - 10" Wide Channel.....	49.93	24.07
			<i>For >100 To 250, Deduct</i>	-2.41	
			<i>For >250 To 500, Deduct</i>	-3.66	
			<i>For >500 To 1,000, Deduct</i>	-5.71	
			<i>For >1,000, Deduct</i>	-7.76	
			<i>For 316 Stainless Steel, Add</i>	57.06	
			<i>For Aluminum, Add</i>	3.21	
			<i>For Galvanized Steel, Add</i>	11.05	
			<i>For 304 Stainless Steel, Add</i>	50.82	
05 12 23 00-0576	LF		C10 x 30 - 10" Wide Channel.....	59.92	28.89
			<i>For >100 To 250, Deduct</i>	-2.89	
			<i>For >250 To 500, Deduct</i>	-4.39	
			<i>For >500 To 1,000, Deduct</i>	-6.85	
			<i>For >1,000, Deduct</i>	-9.31	
			<i>For 316 Stainless Steel, Add</i>	68.48	
			<i>For Aluminum, Add</i>	3.85	
			<i>For Galvanized Steel, Add</i>	13.27	
			<i>For 304 Stainless Steel, Add</i>	60.99	
05 12 23 00-0577	LF		C12 x 20.7 - 12" Wide Channel.....	41.35	19.93
			<i>For >100 To 250, Deduct</i>	-1.99	
			<i>For >250 To 500, Deduct</i>	-3.03	
			<i>For >500 To 1,000, Deduct</i>	-4.73	
			<i>For >1,000, Deduct</i>	-6.42	
			<i>For 316 Stainless Steel, Add</i>	47.26	
			<i>For Aluminum, Add</i>	2.66	
			<i>For Galvanized Steel, Add</i>	9.16	
			<i>For 304 Stainless Steel, Add</i>	42.09	
05 12 23 00-0578	LF		C12 x 25 - 12" Wide Channel.....	49.93	24.07
			<i>For >100 To 250, Deduct</i>	-2.41	
			<i>For >250 To 500, Deduct</i>	-3.66	
			<i>For >500 To 1,000, Deduct</i>	-5.71	
			<i>For >1,000, Deduct</i>	-7.76	
			<i>For 316 Stainless Steel, Add</i>	57.06	
			<i>For Aluminum, Add</i>	3.21	
			<i>For Galvanized Steel, Add</i>	11.05	
			<i>For 304 Stainless Steel, Add</i>	50.82	



Metals	05	05
Structural Metal Framing	05 10	
Structural Steel Framing	05 12	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0579 LF C12 x 30 - 12" Wide Channel	59.92	28.89
For >100 To 250, Deduct	-2.89	
For >250 To 500, Deduct	-4.39	
For >500 To 1,000, Deduct	-6.85	
For >1,000, Deduct	-9.31	
For 316 Stainless Steel, Add	68.48	
For Aluminum, Add	3.85	
For Galvanized Steel, Add	13.27	
For 304 Stainless Steel, Add	60.99	
05 12 23 00-0580 LF C15 x 33.9 - 15" Wide Channel	67.71	32.64
For >100 To 250, Deduct	-3.26	
For >250 To 500, Deduct	-4.96	
For >500 To 1,000, Deduct	-7.74	
For >1,000, Deduct	-10.52	
For 316 Stainless Steel, Add	77.38	
For Aluminum, Add	4.35	
For Galvanized Steel, Add	14.99	
For 304 Stainless Steel, Add	68.91	
05 12 23 00-0581 LF C15 x 40 - 15" Wide Channel	79.89	38.52
For >100 To 250, Deduct	-3.85	
For >250 To 500, Deduct	-5.85	
For >500 To 1,000, Deduct	-9.13	
For >1,000, Deduct	-12.41	
For 316 Stainless Steel, Add	91.30	
For Aluminum, Add	5.14	
For Galvanized Steel, Add	17.69	
For 304 Stainless Steel, Add	81.31	
05 12 23 00-0582 LF C15 x 50 - 15" Wide Channel	99.87	48.14
For >100 To 250, Deduct	-4.82	
For >250 To 500, Deduct	-7.31	
For >500 To 1,000, Deduct	-11.41	
For >1,000, Deduct	-15.52	
For 316 Stainless Steel, Add	114.14	
For Aluminum, Add	6.42	
For Galvanized Steel, Add	22.12	
For 304 Stainless Steel, Add	101.66	
05 12 23 00-0583 Miscellaneous Channels - MC <small>(05 12 23 00-0437)</small>		
05 12 23 00-0584 LF MC6 x 12 - 6" Wide Channel	25.06	12.38
For >100 To 250, Deduct	-1.24	
For >250 To 500, Deduct	-1.86	
For >500 To 1,000, Deduct	-2.90	
For >1,000, Deduct	-3.94	
For 316 Stainless Steel, Add	27.39	
For Aluminum, Add	1.54	
For Galvanized Steel, Add	5.31	
For 304 Stainless Steel, Add	24.40	
05 12 23 00-0585 LF MC6 x 15.1 - 6" Wide Channel	31.53	15.57
For >100 To 250, Deduct	-1.56	
For >250 To 500, Deduct	-2.35	
For >500 To 1,000, Deduct	-3.65	
For >1,000, Deduct	-4.96	
For 316 Stainless Steel, Add	34.46	
For Aluminum, Add	1.94	
For Galvanized Steel, Add	6.68	
For 304 Stainless Steel, Add	30.69	
05 12 23 00-0586 LF MC6 x 15.3 - 6" Wide Channel	31.95	15.78
For >100 To 250, Deduct	-1.58	
For >250 To 500, Deduct	-2.38	
For >500 To 1,000, Deduct	-3.70	
For >1,000, Deduct	-5.03	
For 316 Stainless Steel, Add	34.91	
For Aluminum, Add	1.96	
For Galvanized Steel, Add	6.76	
For 304 Stainless Steel, Add	31.09	
05 12 23 00-0587 LF MC6 x 16.3 - 6" Wide Channel	34.05	16.80
For >100 To 250, Deduct	-1.68	
For >250 To 500, Deduct	-2.53	
For >500 To 1,000, Deduct	-3.94	
For >1,000, Deduct	-5.36	
For 316 Stainless Steel, Add	37.22	
For Aluminum, Add	2.09	
For Galvanized Steel, Add	7.21	
For 304 Stainless Steel, Add	33.15	
05 12 23 00-0588 LF MC6 x 18 - 6" Wide Channel	37.59	18.56
For >100 To 250, Deduct	-1.86	
For >250 To 500, Deduct	-2.80	
For >500 To 1,000, Deduct	-4.35	
For >1,000, Deduct	-5.91	
For 316 Stainless Steel, Add	41.09	
For Aluminum, Add	2.31	
For Galvanized Steel, Add	7.96	
For 304 Stainless Steel, Add	36.59	

05 Metals

05 10 Structural Metal Framing

05 12 Structural Steel Framing



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0589	LF		MC7 x 17.6 - 7" Wide Channel.....	36.66	18.08
			<i>For >100 To 250, Deduct</i>	-1.81	
			<i>For >250 To 500, Deduct</i>	-2.72	
			<i>For >500 To 1,000, Deduct</i>	-4.24	
			<i>For >1,000, Deduct</i>	-5.76	
			<i>For 316 Stainless Steel, Add</i>	40.16	
			<i>For Aluminum, Add</i>	2.26	
			<i>For Galvanized Steel, Add</i>	7.78	
			<i>For 304 Stainless Steel, Add</i>	35.77	
05 12 23 00-0590	LF		MC7 x 19.1 - 7" Wide Channel.....	39.78	19.62
			<i>For >100 To 250, Deduct</i>	-1.96	
			<i>For >250 To 500, Deduct</i>	-2.96	
			<i>For >500 To 1,000, Deduct</i>	-4.61	
			<i>For >1,000, Deduct</i>	-6.25	
			<i>For 316 Stainless Steel, Add</i>	43.58	
			<i>For Aluminum, Add</i>	2.45	
			<i>For Galvanized Steel, Add</i>	8.44	
			<i>For 304 Stainless Steel, Add</i>	38.82	
05 12 23 00-0591	LF		MC7 x 22.7 - 7" Wide Channel.....	47.28	23.32
			<i>For >100 To 250, Deduct</i>	-2.33	
			<i>For >250 To 500, Deduct</i>	-3.51	
			<i>For >500 To 1,000, Deduct</i>	-5.47	
			<i>For >1,000, Deduct</i>	-7.43	
			<i>For 316 Stainless Steel, Add</i>	51.81	
			<i>For Aluminum, Add</i>	2.91	
			<i>For Galvanized Steel, Add</i>	10.04	
			<i>For 304 Stainless Steel, Add</i>	46.14	
05 12 23 00-0592	LF		MC8 x 8.5 - 8" Wide Channel.....	16.98	8.19
			<i>For >100 To 250, Deduct</i>	-0.82	
			<i>For >250 To 500, Deduct</i>	-1.24	
			<i>For >500 To 1,000, Deduct</i>	-1.94	
			<i>For >1,000, Deduct</i>	-2.64	
			<i>For 316 Stainless Steel, Add</i>	19.39	
			<i>For Aluminum, Add</i>	1.09	
			<i>For Galvanized Steel, Add</i>	3.76	
			<i>For 304 Stainless Steel, Add</i>	17.27	
05 12 23 00-0593	LF		MC8 x 18.7 - 8" Wide Channel.....	37.35	18.00
			<i>For >100 To 250, Deduct</i>	-1.80	
			<i>For >250 To 500, Deduct</i>	-2.73	
			<i>For >500 To 1,000, Deduct</i>	-4.27	
			<i>For >1,000, Deduct</i>	-5.80	
			<i>For 316 Stainless Steel, Add</i>	42.69	
			<i>For Aluminum, Add</i>	2.40	
			<i>For Galvanized Steel, Add</i>	8.27	
			<i>For 304 Stainless Steel, Add</i>	38.02	
05 12 23 00-0594	LF		MC8 x 20 - 8" Wide Channel.....	39.95	19.26
			<i>For >100 To 250, Deduct</i>	-1.93	
			<i>For >250 To 500, Deduct</i>	-2.92	
			<i>For >500 To 1,000, Deduct</i>	-4.57	
			<i>For >1,000, Deduct</i>	-6.21	
			<i>For 316 Stainless Steel, Add</i>	45.66	
			<i>For Aluminum, Add</i>	2.57	
			<i>For Galvanized Steel, Add</i>	8.85	
			<i>For 304 Stainless Steel, Add</i>	40.67	
05 12 23 00-0595	LF		MC8 x 21.4 - 8" Wide Channel.....	42.75	20.61
			<i>For >100 To 250, Deduct</i>	-2.06	
			<i>For >250 To 500, Deduct</i>	-3.13	
			<i>For >500 To 1,000, Deduct</i>	-4.89	
			<i>For >1,000, Deduct</i>	-6.64	
			<i>For 316 Stainless Steel, Add</i>	48.86	
			<i>For Aluminum, Add</i>	2.75	
			<i>For Galvanized Steel, Add</i>	9.47	
			<i>For 304 Stainless Steel, Add</i>	43.52	
05 12 23 00-0596	LF		MC8 x 22.8 - 8" Wide Channel.....	45.53	21.96
			<i>For >100 To 250, Deduct</i>	-2.20	
			<i>For >250 To 500, Deduct</i>	-3.33	
			<i>For >500 To 1,000, Deduct</i>	-5.20	
			<i>For >1,000, Deduct</i>	-7.07	
			<i>For 316 Stainless Steel, Add</i>	52.03	
			<i>For Aluminum, Add</i>	2.93	
			<i>For Galvanized Steel, Add</i>	10.08	
			<i>For 304 Stainless Steel, Add</i>	46.34	
05 12 23 00-0597	LF		MC9 x 23.9 - 9" Wide Channel.....	47.73	23.01
			<i>For >100 To 250, Deduct</i>	-2.30	
			<i>For >250 To 500, Deduct</i>	-3.49	
			<i>For >500 To 1,000, Deduct</i>	-5.45	
			<i>For >1,000, Deduct</i>	-7.41	
			<i>For 316 Stainless Steel, Add</i>	54.56	
			<i>For Aluminum, Add</i>	3.07	
			<i>For Galvanized Steel, Add</i>	10.57	
			<i>For 304 Stainless Steel, Add</i>	48.59	



Metals	05	05
Structural Metal Framing	05 10	
Structural Steel Framing	05 12	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0598 LF MC9 x 25.4 - 9" Wide Channel	50.73	24.45
For >100 To 250, Deduct	-2.45	
For >250 To 500, Deduct	-3.71	
For >500 To 1,000, Deduct	-5.80	
For >1,000, Deduct	-7.88	
For 316 Stainless Steel, Add	57.98	
For Aluminum, Add	3.26	
For Galvanized Steel, Add	11.23	
For 304 Stainless Steel, Add	51.64	
05 12 23 00-0599 LF MC10 x 6.5 - 10" Wide Channel.....	12.99	6.26
For >100 To 250, Deduct	-0.63	
For >250 To 500, Deduct	-0.95	
For >500 To 1,000, Deduct	-1.48	
For >1,000, Deduct	-2.02	
For 316 Stainless Steel, Add	14.85	
For Aluminum, Add	0.84	
For Galvanized Steel, Add	2.88	
For 304 Stainless Steel, Add	13.22	
05 12 23 00-0600 LF MC10 x 8.4 - 10" Wide Channel.....	16.78	8.09
For >100 To 250, Deduct	-0.81	
For >250 To 500, Deduct	-1.23	
For >500 To 1,000, Deduct	-1.92	
For >1,000, Deduct	-2.61	
For 316 Stainless Steel, Add	19.17	
For Aluminum, Add	1.08	
For Galvanized Steel, Add	3.71	
For 304 Stainless Steel, Add	17.07	
05 12 23 00-0601 LF MC10 x 21.9 - 10" Wide Channel.....	43.73	21.09
For >100 To 250, Deduct	-2.11	
For >250 To 500, Deduct	-3.20	
For >500 To 1,000, Deduct	-5.00	
For >1,000, Deduct	-6.79	
For 316 Stainless Steel, Add	49.98	
For Aluminum, Add	2.81	
For Galvanized Steel, Add	9.68	
For 304 Stainless Steel, Add	44.52	
05 12 23 00-0602 LF MC10 x 24.9 - 10" Wide Channel.....	49.73	23.98
For >100 To 250, Deduct	-2.40	
For >250 To 500, Deduct	-3.64	
For >500 To 1,000, Deduct	-5.68	
For >1,000, Deduct	-7.73	
For 316 Stainless Steel, Add	56.83	
For Aluminum, Add	3.20	
For Galvanized Steel, Add	11.01	
For 304 Stainless Steel, Add	50.62	
05 12 23 00-0603 LF MC10 x 25.3 - 10" Wide Channel.....	50.53	24.37
For >100 To 250, Deduct	-2.44	
For >250 To 500, Deduct	-3.70	
For >500 To 1,000, Deduct	-5.77	
For >1,000, Deduct	-7.85	
For 316 Stainless Steel, Add	57.76	
For Aluminum, Add	3.25	
For Galvanized Steel, Add	11.19	
For 304 Stainless Steel, Add	51.44	
05 12 23 00-0604 LF MC10 x 28.3 - 10" Wide Channel.....	56.53	27.25
For >100 To 250, Deduct	-2.73	
For >250 To 500, Deduct	-4.14	
For >500 To 1,000, Deduct	-6.46	
For >1,000, Deduct	-8.78	
For 316 Stainless Steel, Add	64.61	
For Aluminum, Add	3.63	
For Galvanized Steel, Add	12.52	
For 304 Stainless Steel, Add	57.54	
05 12 23 00-0605 LF MC10 x 28.5 - 10" Wide Channel.....	56.92	27.45
For >100 To 250, Deduct	-2.74	
For >250 To 500, Deduct	-4.17	
For >500 To 1,000, Deduct	-6.51	
For >1,000, Deduct	-8.84	
For 316 Stainless Steel, Add	65.06	
For Aluminum, Add	3.66	
For Galvanized Steel, Add	12.60	
For 304 Stainless Steel, Add	57.94	
05 12 23 00-0606 LF MC10 x 33.6 - 10" Wide Channel.....	67.11	32.36
For >100 To 250, Deduct	-3.24	
For >250 To 500, Deduct	-4.91	
For >500 To 1,000, Deduct	-7.67	
For >1,000, Deduct	-10.43	
For 316 Stainless Steel, Add	76.70	
For Aluminum, Add	4.31	
For Galvanized Steel, Add	14.86	
For 304 Stainless Steel, Add	68.31	

05 Metals**05 10 Structural Metal Framing****05 12 Structural Steel Framing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0607	LF		MC10 x 41.1 - 10" Wide Channel.....	82.09	39.58
			<i>For >100 To 250, Deduct</i>	-3.96	
			<i>For >250 To 500, Deduct</i>	-6.01	
			<i>For >500 To 1,000, Deduct</i>	-9.38	
			<i>For >1,000, Deduct</i>	-12.75	
			<i>For 316 Stainless Steel, Add</i>	93.82	
			<i>For Aluminum, Add</i>	5.28	
			<i>For Galvanized Steel, Add</i>	18.18	
			<i>For 304 Stainless Steel, Add</i>	83.56	
05 12 23 00-0608	LF		MC12 x 30.9 - 12" Wide Channel.....	61.72	29.75
			<i>For >100 To 250, Deduct</i>	-2.98	
			<i>For >250 To 500, Deduct</i>	-4.52	
			<i>For >500 To 1,000, Deduct</i>	-7.05	
			<i>For >1,000, Deduct</i>	-9.59	
			<i>For 316 Stainless Steel, Add</i>	70.53	
			<i>For Aluminum, Add</i>	3.97	
			<i>For Galvanized Steel, Add</i>	13.66	
			<i>For 304 Stainless Steel, Add</i>	62.81	
05 12 23 00-0609	LF		MC12 x 32.9 - 12" Wide Channel.....	65.71	31.68
			<i>For >100 To 250, Deduct</i>	-3.17	
			<i>For >250 To 500, Deduct</i>	-4.81	
			<i>For >500 To 1,000, Deduct</i>	-7.51	
			<i>For >1,000, Deduct</i>	-10.21	
			<i>For 316 Stainless Steel, Add</i>	75.10	
			<i>For Aluminum, Add</i>	4.22	
			<i>For Galvanized Steel, Add</i>	14.55	
			<i>For 304 Stainless Steel, Add</i>	66.89	
05 12 23 00-0610	LF		MC12 x 35 - 12" Wide Channel.....	69.91	33.70
			<i>For >100 To 250, Deduct</i>	-3.37	
			<i>For >250 To 500, Deduct</i>	-5.12	
			<i>For >500 To 1,000, Deduct</i>	-7.99	
			<i>For >1,000, Deduct</i>	-10.86	
			<i>For 316 Stainless Steel, Add</i>	79.90	
			<i>For Aluminum, Add</i>	4.49	
			<i>For Galvanized Steel, Add</i>	15.48	
			<i>For 304 Stainless Steel, Add</i>	71.16	
05 12 23 00-0611	LF		MC12 x 37 - 12" Wide Channel.....	73.90	35.63
			<i>For >100 To 250, Deduct</i>	-3.56	
			<i>For >250 To 500, Deduct</i>	-5.41	
			<i>For >500 To 1,000, Deduct</i>	-8.45	
			<i>For >1,000, Deduct</i>	-11.48	
			<i>For 316 Stainless Steel, Add</i>	84.45	
			<i>For Aluminum, Add</i>	4.75	
			<i>For Galvanized Steel, Add</i>	16.36	
			<i>For 304 Stainless Steel, Add</i>	75.21	
05 12 23 00-0612	LF		MC12 x 40 - 12" Wide Channel.....	79.89	38.52
			<i>For >100 To 250, Deduct</i>	-3.85	
			<i>For >250 To 500, Deduct</i>	-5.85	
			<i>For >500 To 1,000, Deduct</i>	-9.13	
			<i>For >1,000, Deduct</i>	-12.41	
			<i>For 316 Stainless Steel, Add</i>	91.30	
			<i>For Aluminum, Add</i>	5.14	
			<i>For Galvanized Steel, Add</i>	17.69	
			<i>For 304 Stainless Steel, Add</i>	81.31	
05 12 23 00-0613	LF		MC12 x 45 - 12" Wide Channel.....	89.88	43.34
			<i>For >100 To 250, Deduct</i>	-4.33	
			<i>For >250 To 500, Deduct</i>	-6.58	
			<i>For >500 To 1,000, Deduct</i>	-10.27	
			<i>For >1,000, Deduct</i>	-13.96	
			<i>For 316 Stainless Steel, Add</i>	102.72	
			<i>For Aluminum, Add</i>	5.78	
			<i>For Galvanized Steel, Add</i>	19.90	
			<i>For 304 Stainless Steel, Add</i>	91.49	
05 12 23 00-0614	LF		MC12 x 50 - 12" Wide Channel.....	99.87	48.15
			<i>For >100 To 250, Deduct</i>	-4.82	
			<i>For >250 To 500, Deduct</i>	-7.31	
			<i>For >500 To 1,000, Deduct</i>	-11.41	
			<i>For >1,000, Deduct</i>	-15.52	
			<i>For 316 Stainless Steel, Add</i>	114.14	
			<i>For Aluminum, Add</i>	6.42	
			<i>For Galvanized Steel, Add</i>	22.12	
			<i>For 304 Stainless Steel, Add</i>	101.66	
05 12 23 00-0615	LF		MC13 x 31.8 - 13" Wide Channel.....	63.51	30.62
			<i>For >100 To 250, Deduct</i>	-3.06	
			<i>For >250 To 500, Deduct</i>	-4.65	
			<i>For >500 To 1,000, Deduct</i>	-7.26	
			<i>For >1,000, Deduct</i>	-9.87	
			<i>For 316 Stainless Steel, Add</i>	72.58	
			<i>For Aluminum, Add</i>	4.08	
			<i>For Galvanized Steel, Add</i>	14.06	
			<i>For 304 Stainless Steel, Add</i>	64.64	



Metals	05	05
Structural Metal Framing	05 10	
Structural Steel Framing	05 12	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0616 LF MC13 x 35 - 13" Wide Channel	69.91	33.70
For >100 To 250, Deduct	-3.37	
For >250 To 500, Deduct	-5.12	
For >500 To 1,000, Deduct	-7.99	
For >1,000, Deduct	-10.86	
For 316 Stainless Steel, Add	79.90	
For Aluminum, Add	4.49	
For Galvanized Steel, Add	15.48	
For 304 Stainless Steel, Add	71.16	
05 12 23 00-0617 LF MC13 x 40 - 13" Wide Channel	79.89	38.52
For >100 To 250, Deduct	-3.85	
For >250 To 500, Deduct	-5.85	
For >500 To 1,000, Deduct	-9.13	
For >1,000, Deduct	-12.41	
For 316 Stainless Steel, Add	91.30	
For Aluminum, Add	5.14	
For Galvanized Steel, Add	17.69	
For 304 Stainless Steel, Add	81.31	
05 12 23 00-0618 LF MC13 x 50 - 13" Wide Channel	99.87	48.15
For >100 To 250, Deduct	-4.82	
For >250 To 500, Deduct	-7.31	
For >500 To 1,000, Deduct	-11.41	
For >1,000, Deduct	-15.52	
For 316 Stainless Steel, Add	114.14	
For Aluminum, Add	6.42	
For Galvanized Steel, Add	22.12	
For 304 Stainless Steel, Add	101.66	
05 12 23 00-0619 LF MC18 x 42.7 - 18" Wide Channel.....	85.29	41.12
For >100 To 250, Deduct	-4.11	
For >250 To 500, Deduct	-6.24	
For >500 To 1,000, Deduct	-9.75	
For >1,000, Deduct	-13.25	
For 316 Stainless Steel, Add	97.47	
For Aluminum, Add	5.48	
For Galvanized Steel, Add	18.89	
For 304 Stainless Steel, Add	86.81	
05 12 23 00-0620 LF MC18 x 45.8 - 18" Wide Channel.....	91.48	44.10
For >100 To 250, Deduct	-4.41	
For >250 To 500, Deduct	-6.70	
For >500 To 1,000, Deduct	-10.46	
For >1,000, Deduct	-14.21	
For 316 Stainless Steel, Add	104.54	
For Aluminum, Add	5.88	
For Galvanized Steel, Add	20.26	
For 304 Stainless Steel, Add	93.11	
05 12 23 00-0621 LF MC18 x 51.9 - 18" Wide Channel.....	103.66	49.98
For >100 To 250, Deduct	-5.00	
For >250 To 500, Deduct	-7.59	
For >500 To 1,000, Deduct	-11.85	
For >1,000, Deduct	-16.10	
For 316 Stainless Steel, Add	118.46	
For Aluminum, Add	6.66	
For Galvanized Steel, Add	22.95	
For 304 Stainless Steel, Add	105.51	
05 12 23 00-0622 LF MC18 x 58 - 18" Wide Channel	115.84	55.85
For >100 To 250, Deduct	-5.59	
For >250 To 500, Deduct	-8.48	
For >500 To 1,000, Deduct	-13.24	
For >1,000, Deduct	-18.00	
For 316 Stainless Steel, Add	132.38	
For Aluminum, Add	7.45	
For Galvanized Steel, Add	25.65	
For 304 Stainless Steel, Add	117.90	
05 12 23 00-0623 Structural Bar Tees (05 12 23 00-0437)		
05 12 23 00-0624 LF 3/4" x 3/4" x 1/8" Structural Bar Tee	3.99	2.57
For >100 To 250, Deduct	-0.26	
For >250 To 500, Deduct	-0.36	
For >500 To 1,000, Deduct	-0.54	
For >1,000, Deduct	-0.73	
For 316 Stainless Steel, Add	1.86	
For Aluminum, Add	0.10	
For Galvanized Steel, Add	0.36	
For 304 Stainless Steel, Add	1.65	
05 12 23 00-0625 LF 1" x 1" x 1/8" Structural Bar Tee	4.81	3.02
For >100 To 250, Deduct	-0.30	
For >250 To 500, Deduct	-0.42	
For >500 To 1,000, Deduct	-0.64	
For >1,000, Deduct	-0.86	
For 316 Stainless Steel, Add	2.53	
For Aluminum, Add	0.14	
For Galvanized Steel, Add	0.49	
For 304 Stainless Steel, Add	2.25	

05 Metals**05 10 Structural Metal Framing****05 12 Structural Steel Framing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0626	LF		1-1/2" x 1-1/2" x 1/4" Structural Bar Tee	6.91	3.49
			For >100 To 250, Deduct	-0.35	
			For >250 To 500, Deduct	-0.52	
			For >500 To 1,000, Deduct	-0.81	
			For >1,000, Deduct	-1.10	
			For 316 Stainless Steel, Add	7.23	
			For Aluminum, Add	0.41	
			For Galvanized Steel, Add	1.40	
			For 304 Stainless Steel, Add	6.44	
05 12 23 00-0627	LF		2" x 2" x 1/4" Structural Bar Tee	9.46	4.56
			For >100 To 250, Deduct	-0.46	
			For >250 To 500, Deduct	-0.69	
			For >500 To 1,000, Deduct	-1.08	
			For >1,000, Deduct	-1.47	
			For 316 Stainless Steel, Add	10.78	
			For Aluminum, Add	0.61	
			For Galvanized Steel, Add	2.09	
			For 304 Stainless Steel, Add	9.60	
05 12 23 00-0628	LF		2-1/2" x 2-1/2" x 3/8" Structural Bar Tee	13.39	5.50
			For >100 To 250, Deduct	-0.55	
			For >250 To 500, Deduct	-0.89	
			For >500 To 1,000, Deduct	-1.40	
			For >1,000, Deduct	-1.92	
			For 316 Stainless Steel, Add	19.36	
			For Aluminum, Add	1.09	
			For Galvanized Steel, Add	3.75	
			For 304 Stainless Steel, Add	17.24	
05 12 23 00-0629	LF		3" x 3" x 3/8" Structural Bar Tee	16.66	7.04
			For >100 To 250, Deduct	-0.71	
			For >250 To 500, Deduct	-1.12	
			For >500 To 1,000, Deduct	-1.77	
			For >1,000, Deduct	-2.42	
			For 316 Stainless Steel, Add	23.23	
			For Aluminum, Add	1.31	
			For Galvanized Steel, Add	4.50	
			For 304 Stainless Steel, Add	20.69	
05 12 23 00-0630			Structural Zees <small>(05 12 23 00-0437)</small>		
05 12 23 00-0631	LF		1-1/4" x 1-3/4" x 1-3/4" x 3/16" Structural Zee.....	8.02	3.49
			For >100 To 250, Deduct	-0.35	
			For >250 To 500, Deduct	-0.55	
			For >500 To 1,000, Deduct	-0.87	
			For >1,000, Deduct	-1.18	
			For 316 Stainless Steel, Add	10.78	
			For Aluminum, Add	0.61	
			For Galvanized Steel, Add	2.09	
			For 304 Stainless Steel, Add	9.60	
05 12 23 00-0632	LF		2-11/16" x 3" x 2-11/16" x 1/4" Structural Zee.....	13.61	4.16
			For >100 To 250, Deduct	-0.42	
			For >250 To 500, Deduct	-0.76	
			For >500 To 1,000, Deduct	-1.23	
			For >1,000, Deduct	-1.71	
			For 316 Stainless Steel, Add	25.82	
			For Aluminum, Add	1.45	
			For Galvanized Steel, Add	5.00	
			For 304 Stainless Steel, Add	23.00	
05 12 23 00-0633	LF		3-1/16" x 4" x 3-1/16" x 1/4" Structural Zee.....	16.14	4.70
			For >100 To 250, Deduct	-0.47	
			For >250 To 500, Deduct	-0.87	
			For >500 To 1,000, Deduct	-1.43	
			For >1,000, Deduct	-1.99	
			For 316 Stainless Steel, Add	31.62	
			For Aluminum, Add	1.78	
			For Galvanized Steel, Add	6.13	
			For 304 Stainless Steel, Add	28.16	
05 12 23 00-0634	LF		3-1/4" x 5" x 3-1/4" x 5/16" Structural Zee.....	21.12	5.36
			For >100 To 250, Deduct	-0.54	
			For >250 To 500, Deduct	-1.06	
			For >500 To 1,000, Deduct	-1.77	
			For >1,000, Deduct	-2.48	
			For 316 Stainless Steel, Add	44.70	
			For Aluminum, Add	2.51	
			For Galvanized Steel, Add	8.66	
			For 304 Stainless Steel, Add	39.81	
05 12 23 00-0635	LF		3-1/2" x 6" x 3-1/2" x 3/8" Structural Zee.....	26.70	5.84
			For >100 To 250, Deduct	-0.58	
			For >250 To 500, Deduct	-1.25	
			For >500 To 1,000, Deduct	-2.11	
			For >1,000, Deduct	-2.98	
			For 316 Stainless Steel, Add	60.51	
			For Aluminum, Add	3.40	
			For Galvanized Steel, Add	11.72	
			For 304 Stainless Steel, Add	53.89	



Metals	05	05
Structural Metal Framing	05 10	
Structural Steel Framing	05 12	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0636 Junior I-Beams <small>(05 12 23 00-0437)</small>		
05 12 23 00-0637 LF 3" Junior I-Beam, 2.9 LB/LF.....	11.16	5.03
For >100 To 250, Deduct	-0.50	
For >250 To 500, Deduct	-0.78	
For >500 To 1,000, Deduct	-1.23	
For >1,000, Deduct	-1.68	
For 316 Stainless Steel, Add	14.24	
For Aluminum, Add	0.80	
For Galvanized Steel, Add	2.76	
For 304 Stainless Steel, Add	12.68	
05 12 23 00-0638 LF 4" Junior I-Beam, 3.2 LB/LF.....	12.25	5.50
For >100 To 250, Deduct	-0.55	
For >250 To 500, Deduct	-0.86	
For >500 To 1,000, Deduct	-1.35	
For >1,000, Deduct	-1.84	
For 316 Stainless Steel, Add	15.71	
For Aluminum, Add	0.88	
For Galvanized Steel, Add	3.04	
For 304 Stainless Steel, Add	13.99	
05 12 23 00-0639 LF 5" Junior I-Beam, 3.8 LB/LF.....	13.87	6.04
For >100 To 250, Deduct	-0.60	
For >250 To 500, Deduct	-0.95	
For >500 To 1,000, Deduct	-1.50	
For >1,000, Deduct	-2.05	
For 316 Stainless Steel, Add	18.62	
For Aluminum, Add	1.05	
For Galvanized Steel, Add	3.61	
For 304 Stainless Steel, Add	16.59	
05 12 23 00-0640 LF 6" Junior I-Beam, 4.4 LB/LF.....	15.51	6.58
For >100 To 250, Deduct	-0.66	
For >250 To 500, Deduct	-1.05	
For >500 To 1,000, Deduct	-1.65	
For >1,000, Deduct	-2.26	
For 316 Stainless Steel, Add	21.57	
For Aluminum, Add	1.21	
For Galvanized Steel, Add	4.18	
For 304 Stainless Steel, Add	19.21	
05 12 23 00-0641 LF 7" Junior I-Beam, 5.5 LB/LF.....	17.83	7.04
For >100 To 250, Deduct	-0.71	
For >250 To 500, Deduct	-1.15	
For >500 To 1,000, Deduct	-1.83	
For >1,000, Deduct	-2.51	
For 316 Stainless Steel, Add	26.98	
For Aluminum, Add	1.52	
For Galvanized Steel, Add	5.23	
For 304 Stainless Steel, Add	24.03	
05 12 23 00-0642 LF 8" Junior I-Beam, 6.5 LB/LF.....	19.98	7.52
For >100 To 250, Deduct	-0.75	
For >250 To 500, Deduct	-1.25	
For >500 To 1,000, Deduct	-2.00	
For >1,000, Deduct	-2.75	
For 316 Stainless Steel, Add	31.87	
For Aluminum, Add	1.79	
For Galvanized Steel, Add	6.18	
For 304 Stainless Steel, Add	28.39	
05 12 23 00-0643 LF 10" Junior I-Beam, 9 LB/LF.....	25.25	8.59
For >100 To 250, Deduct	-0.86	
For >250 To 500, Deduct	-1.49	
For >500 To 1,000, Deduct	-2.41	
For >1,000, Deduct	-3.33	
For 316 Stainless Steel, Add	44.16	
For Aluminum, Add	2.48	
For Galvanized Steel, Add	8.56	
For 304 Stainless Steel, Add	39.33	
05 12 23 00-0644 LF 12" Junior I-Beam, 11.8 LB/LF.....	31.69	10.20
For >100 To 250, Deduct	-1.02	
For >250 To 500, Deduct	-1.81	
For >500 To 1,000, Deduct	-2.94	
For >1,000, Deduct	-4.08	
For 316 Stainless Steel, Add	57.89	
For Aluminum, Add	3.26	
For Galvanized Steel, Add	11.22	
For 304 Stainless Steel, Add	51.56	
05 12 23 00-0645 Round Stock <small>(05 12 23 00-0437)</small>		
05 12 23 00-0646 LF 1/4" Carbon Steel Rounds, ASTM A108.....	1.57	
For 316 Stainless Steel, Add	2.14	
For Aluminum, Add	0.12	
For Galvanized Steel, Add	0.42	
For 304 Stainless Steel, Add	1.91	
05 12 23 00-0647 LF 3/8" Carbon Steel Rounds, ASTM A108.....	2.34	
For 316 Stainless Steel, Add	4.22	
For Aluminum, Add	0.24	
For Galvanized Steel, Add	0.82	
For 304 Stainless Steel, Add	3.76	

05 Metals

05 10 Structural Metal Framing

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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0648 LF 1/2" Carbon Steel Rounds, ASTM A108	3.13	
For 316 Stainless Steel, Add	6.43	
For Aluminum, Add	0.36	
For Galvanized Steel, Add	1.25	
For 304 Stainless Steel, Add	5.73	
05 12 23 00-0649 LF 5/8" Carbon Steel Rounds, ASTM A108	4.61	
For 316 Stainless Steel, Add	10.75	
For Aluminum, Add	0.60	
For Galvanized Steel, Add	2.08	
For 304 Stainless Steel, Add	9.58	
05 12 23 00-0650 LF 3/4" Carbon Steel Rounds, ASTM A108	5.48	
For 316 Stainless Steel, Add	12.77	
For Aluminum, Add	0.72	
For Galvanized Steel, Add	2.47	
For 304 Stainless Steel, Add	11.37	
05 12 23 00-0651 LF 7/8" Carbon Steel Rounds, ASTM A108	6.38	
For 316 Stainless Steel, Add	14.91	
For Aluminum, Add	0.84	
For Galvanized Steel, Add	2.89	
For 304 Stainless Steel, Add	13.28	
05 12 23 00-0652 LF 1" Carbon Steel Rounds, ASTM A108	9.13	
For 316 Stainless Steel, Add	22.72	
For Aluminum, Add	1.28	
For Galvanized Steel, Add	4.40	
For 304 Stainless Steel, Add	20.24	
05 12 23 00-0653 LF 1-1/8" Carbon Steel Rounds, ASTM A108	11.12	
For 316 Stainless Steel, Add	27.62	
For Aluminum, Add	1.55	
For Galvanized Steel, Add	5.35	
For 304 Stainless Steel, Add	24.60	
05 12 23 00-0654 LF 1-1/4" Carbon Steel Rounds, ASTM A108	13.35	
For 316 Stainless Steel, Add	32.48	
For Aluminum, Add	1.83	
For Galvanized Steel, Add	6.29	
For 304 Stainless Steel, Add	28.93	
05 12 23 00-0655 LF 1-3/8" Carbon Steel Rounds, ASTM A108	16.12	
For 316 Stainless Steel, Add	39.65	
For Aluminum, Add	2.23	
For Galvanized Steel, Add	7.68	
For 304 Stainless Steel, Add	35.31	
05 12 23 00-0656 LF 1-1/2" Carbon Steel Rounds, ASTM A108	18.07	
For 316 Stainless Steel, Add	43.49	
For Aluminum, Add	2.45	
For Galvanized Steel, Add	8.43	
For 304 Stainless Steel, Add	38.73	
05 12 23 00-0657 LF 1-5/8" Carbon Steel Rounds, ASTM A108	20.99	
For 316 Stainless Steel, Add	49.28	
For Aluminum, Add	2.77	
For Galvanized Steel, Add	9.55	
For 304 Stainless Steel, Add	43.89	
05 12 23 00-0658 LF 1-3/4" Carbon Steel Rounds, ASTM A108	25.38	
For 316 Stainless Steel, Add	57.34	
For Aluminum, Add	3.23	
For Galvanized Steel, Add	11.11	
For 304 Stainless Steel, Add	51.07	
05 12 23 00-0659 LF 1-7/8" Carbon Steel Rounds, ASTM A108	30.83	
For 316 Stainless Steel, Add	67.17	
For Aluminum, Add	3.78	
For Galvanized Steel, Add	13.01	
For 304 Stainless Steel, Add	59.82	
05 12 23 00-0660 LF 2" Carbon Steel Rounds, ASTM A108	35.44	
For 316 Stainless Steel, Add	74.72	
For Aluminum, Add	4.20	
For Galvanized Steel, Add	14.48	
For 304 Stainless Steel, Add	66.55	
05 12 23 00-0661 LF 2-1/8" Carbon Steel Rounds, ASTM A108	41.69	
For 316 Stainless Steel, Add	85.34	
For Aluminum, Add	4.80	
For Galvanized Steel, Add	16.54	
For 304 Stainless Steel, Add	76.01	
05 12 23 00-0662 LF 2-1/4" Carbon Steel Rounds, ASTM A108	47.26	
For 316 Stainless Steel, Add	95.97	
For Aluminum, Add	5.40	
For Galvanized Steel, Add	18.59	
For 304 Stainless Steel, Add	85.47	
05 12 23 00-0663 LF 2-3/8" Carbon Steel Rounds, ASTM A108	54.15	
For 316 Stainless Steel, Add	109.76	
For Aluminum, Add	6.17	
For Galvanized Steel, Add	21.27	
For 304 Stainless Steel, Add	97.76	
05 12 23 00-0664 LF 2-1/2" Carbon Steel Rounds, ASTM A108	60.28	
For 316 Stainless Steel, Add	118.27	
For Aluminum, Add	6.65	
For Galvanized Steel, Add	22.92	
For 304 Stainless Steel, Add	105.34	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0665 LF 2-5/8" Carbon Steel Rounds, ASTM A108.....	72.85	
For 316 Stainless Steel, Add	150.24	
For Aluminum, Add	8.45	
For Galvanized Steel, Add	29.11	
For 304 Stainless Steel, Add	133.81	
05 12 23 00-0666 LF 2-3/4" Carbon Steel Rounds, ASTM A108.....	82.90	
For 316 Stainless Steel, Add	171.33	
For Aluminum, Add	9.64	
For Galvanized Steel, Add	33.19	
For 304 Stainless Steel, Add	152.59	
05 12 23 00-0667 LF 2-7/8 Carbon Steel Rounds, ASTM A108.....	82.49	
For 316 Stainless Steel, Add	190.94	
For Aluminum, Add	10.74	
For Galvanized Steel, Add	37.00	
For 304 Stainless Steel, Add	170.06	
05 12 23 00-0668 LF 3" Carbon Steel Rounds, ASTM A108.....	97.74	
For 316 Stainless Steel, Add	196.67	
For Aluminum, Add	11.06	
For Galvanized Steel, Add	38.11	
For 304 Stainless Steel, Add	175.16	
05 12 23 00-0669 LF 3-1/8" Carbon Steel Rounds, ASTM A108.....	102.55	
For 316 Stainless Steel, Add	201.02	
For Aluminum, Add	11.31	
For Galvanized Steel, Add	38.95	
For 304 Stainless Steel, Add	179.04	
05 12 23 00-0670 LF 3-1/4" Carbon Steel Rounds, ASTM A108.....	108.56	
For 316 Stainless Steel, Add	209.22	
For Aluminum, Add	11.77	
For Galvanized Steel, Add	40.54	
For 304 Stainless Steel, Add	186.33	
05 12 23 00-0671 LF 3-1/2" Carbon Steel Rounds, ASTM A108.....	130.46	
For 316 Stainless Steel, Add	265.47	
For Aluminum, Add	14.93	
For Galvanized Steel, Add	51.44	
For 304 Stainless Steel, Add	236.44	
05 12 23 00-0672 LF 3-5/8" Carbon Steel Rounds, ASTM A108.....	144.62	
For 316 Stainless Steel, Add	296.96	
For Aluminum, Add	16.70	
For Galvanized Steel, Add	57.54	
For 304 Stainless Steel, Add	264.48	
05 12 23 00-0673 LF 3-3/4" Carbon Steel Rounds, ASTM A108.....	155.40	
For 316 Stainless Steel, Add	317.66	
For Aluminum, Add	17.87	
For Galvanized Steel, Add	61.55	
For 304 Stainless Steel, Add	282.92	
05 12 23 00-0674 LF 4" Carbon Steel Rounds, ASTM A108.....	173.48	
For 316 Stainless Steel, Add	361.70	
For Aluminum, Add	20.35	
For Galvanized Steel, Add	70.08	
For 304 Stainless Steel, Add	322.14	
05 12 23 00-0675 Square Stock (05 12 23 00-0437)		
05 12 23 00-0676 LF 3/8" Square Bar Stock.....	1.36	
For 316 Stainless Steel, Add	1.09	
For Aluminum, Add	0.06	
For Galvanized Steel, Add	0.21	
For 304 Stainless Steel, Add	0.97	
05 12 23 00-0677 LF 1/2" Square Bar Stock.....	1.72	
For 316 Stainless Steel, Add	1.92	
For Aluminum, Add	0.11	
For Galvanized Steel, Add	0.37	
For 304 Stainless Steel, Add	1.71	
05 12 23 00-0678 LF 5/8" Square Bar Stock.....	2.19	
For 316 Stainless Steel, Add	3.01	
For Aluminum, Add	0.17	
For Galvanized Steel, Add	0.58	
For 304 Stainless Steel, Add	2.68	
05 12 23 00-0679 LF 3/4" Square Bar Stock.....	2.85	
For 316 Stainless Steel, Add	4.35	
For Aluminum, Add	0.24	
For Galvanized Steel, Add	0.84	
For 304 Stainless Steel, Add	3.88	
05 12 23 00-0680 LF 7/8" Square Bar Stock.....	3.61	
For 316 Stainless Steel, Add	6.05	
For Aluminum, Add	0.34	
For Galvanized Steel, Add	1.17	
For 304 Stainless Steel, Add	5.39	
05 12 23 00-0681 LF 1" Square Bar Stock.....	4.45	
For 316 Stainless Steel, Add	7.74	
For Aluminum, Add	0.44	
For Galvanized Steel, Add	1.50	
For 304 Stainless Steel, Add	6.90	

05 Metals

05 10 Structural Metal Framing

05 12 Structural Steel Framing



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0682	LF		1-1/4" Square Bar Stock	6.98	
			For 316 Stainless Steel, Add	12.10	
			For Aluminum, Add	0.68	
			For Galvanized Steel, Add	2.34	
			For 304 Stainless Steel, Add	10.77	
05 12 23 00-0683	LF		1-1/2" Square Bar Stock	9.92	
			For 316 Stainless Steel, Add	17.41	
			For Aluminum, Add	0.98	
			For Galvanized Steel, Add	3.37	
			For 304 Stainless Steel, Add	15.50	
05 12 23 00-0684	LF		1-3/4" Square Bar Stock	15.03	
			For 316 Stainless Steel, Add	24.22	
			For Aluminum, Add	1.36	
			For Galvanized Steel, Add	4.69	
			For 304 Stainless Steel, Add	21.57	
05 12 23 00-0685	LF		2" Square Bar Stock	22.21	
			For 316 Stainless Steel, Add	30.98	
			For Aluminum, Add	1.74	
			For Galvanized Steel, Add	6.00	
			For 304 Stainless Steel, Add	27.59	
05 12 23 00-0686			Steel Tubing (05 12 23 00-0437)		
			Note: General purpose low-carbon steel.		
05 12 23 00-0687			Square Steel Tubing (05 12 23 00-0686)		
05 12 23 00-0688			0.06" Wall Thickness (05 12 23 00-0687)		
05 12 23 00-0689	LF		1/2" x 1/2" x 0.06" Square Steel Tubing	1.53	0.48
			For >100 To 250, Deduct	-0.05	
			For >250 To 500, Deduct	-0.09	
			For >500 To 1,000, Deduct	-0.14	
			For >1,000, Deduct	-0.19	
			For Galvanized Steel, Add	0.55	
05 12 23 00-0690	LF		3/4" x 3/4" x 0.06" Square Steel Tubing	2.36	0.75
			For >100 To 250, Deduct	-0.08	
			For >250 To 500, Deduct	-0.13	
			For >500 To 1,000, Deduct	-0.22	
			For >1,000, Deduct	-0.30	
			For Galvanized Steel, Add	0.84	
05 12 23 00-0691	LF		1" x 1" x 0.06" Square Steel Tubing	3.19	1.38
			For >100 To 250, Deduct	-0.10	
			For >250 To 500, Deduct	-0.18	
			For >500 To 1,000, Deduct	-0.30	
			For >1,000, Deduct	-0.41	
			For Galvanized Steel, Add	1.12	
05 12 23 00-0692	LF		1-1/4" x 1-1/4" x 0.06" Square Steel Tubing	4.18	1.31
			For >100 To 250, Deduct	-0.13	
			For >250 To 500, Deduct	-0.24	
			For >500 To 1,000, Deduct	-0.38	
			For >1,000, Deduct	-0.53	
			For Galvanized Steel, Add	1.51	
05 12 23 00-0693	LF		1-1/2" x 1-1/2" x 0.06" Square Steel Tubing	4.97	1.58
			For >100 To 250, Deduct	-0.16	
			For >250 To 500, Deduct	-0.28	
			For >500 To 1,000, Deduct	-0.46	
			For >1,000, Deduct	-0.64	
			For Galvanized Steel, Add	1.78	
05 12 23 00-0694			0.083" Wall Thickness (05 12 23 00-0687)		
05 12 23 00-0695	LF		3/4" x 3/4" x 0.083" Square Steel Tubing	2.75	0.89
			For >100 To 250, Deduct	-0.09	
			For >250 To 500, Deduct	-0.16	
			For >500 To 1,000, Deduct	-0.26	
			For >1,000, Deduct	-0.35	
			For Galvanized Steel, Add	0.97	
05 12 23 00-0696	LF		1" x 1" x 0.083" Square Steel Tubing	3.97	1.22
			For >100 To 250, Deduct	-0.12	
			For >250 To 500, Deduct	-0.22	
			For >500 To 1,000, Deduct	-0.36	
			For >1,000, Deduct	-0.50	
			For Galvanized Steel, Add	1.46	
05 12 23 00-0697	LF		1-1/4" x 1-1/4" x 0.083" Square Steel Tubing	4.83	1.55
			For >100 To 250, Deduct	-0.15	
			For >250 To 500, Deduct	-0.28	
			For >500 To 1,000, Deduct	-0.45	
			For >1,000, Deduct	-0.62	
			For Galvanized Steel, Add	1.72	
05 12 23 00-0698	LF		1-1/2" x 1-1/2" x 0.083" Square Steel Tubing	5.86	1.88
			For >100 To 250, Deduct	-0.19	
			For >250 To 500, Deduct	-0.33	
			For >500 To 1,000, Deduct	-0.54	
			For >1,000, Deduct	-0.75	
			For Galvanized Steel, Add	2.08	



Metals	05	05
Structural Metal Framing	05 10	
Structural Steel Framing	05 12	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0699	LF		2" x 2" x 0.083" Square Steel Tubing.....	7.55	2.51
			<i>For >100 To 250, Deduct</i>	-0.25	
			<i>For >250 To 500, Deduct</i>	-0.44	
			<i>For >500 To 1,000, Deduct</i>	-0.71	
			<i>For >1,000, Deduct</i>	-0.98	
			<i>For Galvanized Steel, Add</i>	2.61	
05 12 23 00-0700			0.12" Wall Thickness (05 12 23 00-0687)		
05 12 23 00-0701	LF		1" x 1" x 0.12" Square Steel Tubing.....	4.43	1.45
			<i>For >100 To 250, Deduct</i>	-0.14	
			<i>For >250 To 500, Deduct</i>	-0.26	
			<i>For >500 To 1,000, Deduct</i>	-0.41	
			<i>For >1,000, Deduct</i>	-0.57	
			<i>For Galvanized Steel, Add</i>	1.55	
05 12 23 00-0702	LF		1-1/4" x 1-1/4" x 0.12" Square Steel Tubing	5.71	1.86
			<i>For >100 To 250, Deduct</i>	-0.19	
			<i>For >250 To 500, Deduct</i>	-0.33	
			<i>For >500 To 1,000, Deduct</i>	-0.53	
			<i>For >1,000, Deduct</i>	-0.74	
			<i>For Galvanized Steel, Add</i>	2.00	
05 12 23 00-0703	LF		1-1/2" x 1-1/2" x 0.12" Square Steel Tubing	7.01	2.27
			<i>For >100 To 250, Deduct</i>	-0.23	
			<i>For >250 To 500, Deduct</i>	-0.40	
			<i>For >500 To 1,000, Deduct</i>	-0.65	
			<i>For >1,000, Deduct</i>	-0.90	
			<i>For Galvanized Steel, Add</i>	2.47	
05 12 23 00-0704	LF		2" x 2" x 0.12" Square Steel Tubing.....	9.50	3.09
			<i>For >100 To 250, Deduct</i>	-0.31	
			<i>For >250 To 500, Deduct</i>	-0.55	
			<i>For >500 To 1,000, Deduct</i>	-0.89	
			<i>For >1,000, Deduct</i>	-1.23	
			<i>For Galvanized Steel, Add</i>	3.33	
05 12 23 00-0705			1/8" Wall Thickness (05 12 23 00-0687)		
05 12 23 00-0706	LF		2" x 2" x 1/8" Square Steel Tubing.....	8.76	3.21
			<i>For >100 To 250, Deduct</i>	-0.32	
			<i>For >250 To 500, Deduct</i>	-0.54	
			<i>For >500 To 1,000, Deduct</i>	-0.87	
			<i>For >1,000, Deduct</i>	-1.19	
			<i>For Galvanized Steel, Add</i>	2.77	
05 12 23 00-0707	LF		2-1/2" x 2-1/2" x 1/8" Square Steel Tubing	11.46	4.07
			<i>For >100 To 250, Deduct</i>	-0.41	
			<i>For >250 To 500, Deduct</i>	-0.69	
			<i>For >500 To 1,000, Deduct</i>	-1.12	
			<i>For >1,000, Deduct</i>	-1.54	
			<i>For Galvanized Steel, Add</i>	3.74	
05 12 23 00-0708	LF		3" x 3" x 1/8" Square Steel Tubing.....	13.52	4.92
			<i>For >100 To 250, Deduct</i>	-0.49	
			<i>For >250 To 500, Deduct</i>	-0.83	
			<i>For >500 To 1,000, Deduct</i>	-1.33	
			<i>For >1,000, Deduct</i>	-1.84	
			<i>For Galvanized Steel, Add</i>	4.31	
05 12 23 00-0709	LF		3-1/2" x 3-1/2" x 1/8" Square Steel Tubing	15.70	5.79
			<i>For >100 To 250, Deduct</i>	-0.58	
			<i>For >250 To 500, Deduct</i>	-0.97	
			<i>For >500 To 1,000, Deduct</i>	-1.56	
			<i>For >1,000, Deduct</i>	-2.14	
			<i>For Galvanized Steel, Add</i>	4.95	
05 12 23 00-0710	LF		4" x 4" x 1/8" Square Steel Tubing.....	17.44	6.64
			<i>For >100 To 250, Deduct</i>	-0.66	
			<i>For >250 To 500, Deduct</i>	-1.10	
			<i>For >500 To 1,000, Deduct</i>	-1.76	
			<i>For >1,000, Deduct</i>	-2.42	
			<i>For Galvanized Steel, Add</i>	5.32	
05 12 23 00-0711			3/16" Wall Thickness (05 12 23 00-0687)		
05 12 23 00-0712	LF		2" x 2" x 3/16" Square Steel Tubing.....	9.92	3.62
			<i>For >100 To 250, Deduct</i>	-0.36	
			<i>For >250 To 500, Deduct</i>	-0.61	
			<i>For >500 To 1,000, Deduct</i>	-0.98	
			<i>For >1,000, Deduct</i>	-1.35	
			<i>For Galvanized Steel, Add</i>	3.16	
05 12 23 00-0713	LF		2-1/2" x 2-1/2" x 3/16" Square Steel Tubing	12.84	4.69
			<i>For >100 To 250, Deduct</i>	-0.47	
			<i>For >250 To 500, Deduct</i>	-0.79	
			<i>For >500 To 1,000, Deduct</i>	-1.27	
			<i>For >1,000, Deduct</i>	-1.74	
			<i>For Galvanized Steel, Add</i>	4.09	

05 Metals**05 10 Structural Metal Framing****05 12 Structural Steel Framing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0714	LF		3" x 3" x 3/16" Square Steel Tubing.....	15.79	5.77
			<i>For >100 To 250, Deduct</i>	-0.58	
			<i>For >250 To 500, Deduct</i>	-0.97	
			<i>For >500 To 1,000, Deduct</i>	-1.56	
			<i>For >1,000, Deduct</i>	-2.15	
			<i>For Galvanized Steel, Add</i>	5.02	
05 12 23 00-0715	LF		3-1/2" x 3-1/2" x 3/16" Square Steel Tubing.....	18.73	6.83
			<i>For >100 To 250, Deduct</i>	-0.68	
			<i>For >250 To 500, Deduct</i>	-1.15	
			<i>For >500 To 1,000, Deduct</i>	-1.85	
			<i>For >1,000, Deduct</i>	-2.54	
			<i>For Galvanized Steel, Add</i>	5.96	
05 12 23 00-0716	LF		4" x 4" x 3/16" Square Steel Tubing.....	21.64	7.90
			<i>For >100 To 250, Deduct</i>	-0.79	
			<i>For >250 To 500, Deduct</i>	-1.33	
			<i>For >500 To 1,000, Deduct</i>	-2.14	
			<i>For >1,000, Deduct</i>	-2.94	
			<i>For Galvanized Steel, Add</i>	6.88	
05 12 23 00-0717	LF		4-1/2" x 4-1/2" x 3/16" Square Steel Tubing.....	24.57	8.98
			<i>For >100 To 250, Deduct</i>	-0.90	
			<i>For >250 To 500, Deduct</i>	-1.51	
			<i>For >500 To 1,000, Deduct</i>	-2.42	
			<i>For >1,000, Deduct</i>	-3.34	
			<i>For Galvanized Steel, Add</i>	7.82	
05 12 23 00-0718	LF		5" x 5" x 3/16" Square Steel Tubing.....	27.50	10.04
			<i>For >100 To 250, Deduct</i>	-1.00	
			<i>For >250 To 500, Deduct</i>	-1.69	
			<i>For >500 To 1,000, Deduct</i>	-2.71	
			<i>For >1,000, Deduct</i>	-3.74	
			<i>For Galvanized Steel, Add</i>	8.75	
05 12 23 00-0719	LF		6" x 6" x 3/16" Square Steel Tubing.....	33.38	12.19
			<i>For >100 To 250, Deduct</i>	-1.22	
			<i>For >250 To 500, Deduct</i>	-2.05	
			<i>For >500 To 1,000, Deduct</i>	-3.29	
			<i>For >1,000, Deduct</i>	-4.53	
			<i>For Galvanized Steel, Add</i>	10.62	
05 12 23 00-0720			1/4" Wall Thickness (05 12 23 00-0687)		
05 12 23 00-0721	LF		2" x 2" x 1/4" Square Steel Tubing.....	10.47	3.63
			<i>For >100 To 250, Deduct</i>	-0.36	
			<i>For >250 To 500, Deduct</i>	-0.62	
			<i>For >500 To 1,000, Deduct</i>	-1.01	
			<i>For >1,000, Deduct</i>	-1.39	
			<i>For Galvanized Steel, Add</i>	3.49	
05 12 23 00-0722	LF		2-1/2" x 2-1/2" x 1/4" Square Steel Tubing.....	13.76	4.77
			<i>For >100 To 250, Deduct</i>	-0.48	
			<i>For >250 To 500, Deduct</i>	-0.82	
			<i>For >500 To 1,000, Deduct</i>	-1.32	
			<i>For >1,000, Deduct</i>	-1.83	
			<i>For Galvanized Steel, Add</i>	4.59	
05 12 23 00-0723	LF		3" x 3" x 1/4" Square Steel Tubing.....	17.04	5.92
			<i>For >100 To 250, Deduct</i>	-0.59	
			<i>For >250 To 500, Deduct</i>	-1.02	
			<i>For >500 To 1,000, Deduct</i>	-1.64	
			<i>For >1,000, Deduct</i>	-2.26	
			<i>For Galvanized Steel, Add</i>	5.68	
05 12 23 00-0724	LF		3-1/2" x 3-1/2" x 1/4" Square Steel Tubing.....	20.34	7.05
			<i>For >100 To 250, Deduct</i>	-0.71	
			<i>For >250 To 500, Deduct</i>	-1.21	
			<i>For >500 To 1,000, Deduct</i>	-1.96	
			<i>For >1,000, Deduct</i>	-2.70	
			<i>For Galvanized Steel, Add</i>	6.78	
05 12 23 00-0725	LF		4" x 4" x 1/4" Square Steel Tubing.....	23.63	8.19
			<i>For >100 To 250, Deduct</i>	-0.82	
			<i>For >250 To 500, Deduct</i>	-1.41	
			<i>For >500 To 1,000, Deduct</i>	-2.27	
			<i>For >1,000, Deduct</i>	-3.14	
			<i>For Galvanized Steel, Add</i>	7.87	
05 12 23 00-0726	LF		4-1/2" x 4-1/2" x 1/4" Square Steel Tubing.....	26.92	9.34
			<i>For >100 To 250, Deduct</i>	-0.93	
			<i>For >250 To 500, Deduct</i>	-1.61	
			<i>For >500 To 1,000, Deduct</i>	-2.59	
			<i>For >1,000, Deduct</i>	-3.58	
			<i>For Galvanized Steel, Add</i>	8.97	
05 12 23 00-0727	LF		5" x 5" x 1/4" Square Steel Tubing.....	30.23	10.49
			<i>For >100 To 250, Deduct</i>	-1.05	
			<i>For >250 To 500, Deduct</i>	-1.80	
			<i>For >500 To 1,000, Deduct</i>	-2.91	
			<i>For >1,000, Deduct</i>	-4.01	
			<i>For Galvanized Steel, Add</i>	10.08	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0728	LF		6" x 6" x 1/4" Square Steel Tubing.....	36.81	12.77
			<i>For >100 To 250, Deduct</i>	-1.28	
			<i>For >250 To 500, Deduct</i>	-2.20	
			<i>For >500 To 1,000, Deduct</i>	-3.54	
			<i>For >1,000, Deduct</i>	-4.89	
			<i>For Galvanized Steel, Add</i>	12.27	
05 12 23 00-0729			Rectangular Steel Tubing <small>(05 12 23 00-0686)</small>		
05 12 23 00-0730			3/16" Wall Thickness <small>(05 12 23 00-0729)</small>		
05 12 23 00-0731	LF		3" x 2" x 3/16" Square Steel Tubing.....	12.84	4.69
			<i>For >100 To 250, Deduct</i>	-0.47	
			<i>For >250 To 500, Deduct</i>	-0.79	
			<i>For >500 To 1,000, Deduct</i>	-1.27	
			<i>For >1,000, Deduct</i>	-1.74	
			<i>For Galvanized Steel, Add</i>	4.09	
05 12 23 00-0732	LF		4" x 2" x 3/16" Square Steel Tubing.....	15.79	5.77
			<i>For >100 To 250, Deduct</i>	-0.58	
			<i>For >250 To 500, Deduct</i>	-0.97	
			<i>For >500 To 1,000, Deduct</i>	-1.56	
			<i>For >1,000, Deduct</i>	-2.15	
			<i>For Galvanized Steel, Add</i>	5.02	
05 12 23 00-0733	LF		4" x 3" x 3/16" Square Steel Tubing.....	18.73	6.83
			<i>For >100 To 250, Deduct</i>	-0.68	
			<i>For >250 To 500, Deduct</i>	-1.15	
			<i>For >500 To 1,000, Deduct</i>	-1.85	
			<i>For >1,000, Deduct</i>	-2.54	
			<i>For Galvanized Steel, Add</i>	5.96	
05 12 23 00-0734	LF		5" x 2" x 3/16" Square Steel Tubing.....	18.73	6.83
			<i>For >100 To 250, Deduct</i>	-0.68	
			<i>For >250 To 500, Deduct</i>	-1.15	
			<i>For >500 To 1,000, Deduct</i>	-1.85	
			<i>For >1,000, Deduct</i>	-2.54	
			<i>For Galvanized Steel, Add</i>	5.96	
05 12 23 00-0735	LF		5" x 3" x 3/16" Square Steel Tubing.....	21.64	7.90
			<i>For >100 To 250, Deduct</i>	-0.79	
			<i>For >250 To 500, Deduct</i>	-1.33	
			<i>For >500 To 1,000, Deduct</i>	-2.14	
			<i>For >1,000, Deduct</i>	-2.94	
			<i>For Galvanized Steel, Add</i>	6.88	
05 12 23 00-0736	LF		5" x 4" x 3/16" Square Steel Tubing.....	24.57	8.98
			<i>For >100 To 250, Deduct</i>	-0.90	
			<i>For >250 To 500, Deduct</i>	-1.51	
			<i>For >500 To 1,000, Deduct</i>	-2.42	
			<i>For >1,000, Deduct</i>	-3.34	
			<i>For Galvanized Steel, Add</i>	7.82	
05 12 23 00-0737	LF		6" x 2" x 3/16" Square Steel Tubing.....	21.64	7.90
			<i>For >100 To 250, Deduct</i>	-0.79	
			<i>For >250 To 500, Deduct</i>	-1.33	
			<i>For >500 To 1,000, Deduct</i>	-2.14	
			<i>For >1,000, Deduct</i>	-2.94	
			<i>For Galvanized Steel, Add</i>	6.88	
05 12 23 00-0738	LF		6" x 3" x 3/16" Square Steel Tubing.....	24.57	8.98
			<i>For >100 To 250, Deduct</i>	-0.90	
			<i>For >250 To 500, Deduct</i>	-1.51	
			<i>For >500 To 1,000, Deduct</i>	-2.42	
			<i>For >1,000, Deduct</i>	-3.34	
			<i>For Galvanized Steel, Add</i>	7.82	
05 12 23 00-0739	LF		6" x 4" x 3/16" Square Steel Tubing.....	27.50	10.04
			<i>For >100 To 250, Deduct</i>	-1.00	
			<i>For >250 To 500, Deduct</i>	-1.69	
			<i>For >500 To 1,000, Deduct</i>	-2.71	
			<i>For >1,000, Deduct</i>	-3.74	
			<i>For Galvanized Steel, Add</i>	8.75	
05 12 23 00-0740			1/4" Wall Thickness <small>(05 12 23 00-0729)</small>		
05 12 23 00-0741	LF		3" x 2" x 1/4" Square Steel Tubing.....	13.76	4.77
			<i>For >100 To 250, Deduct</i>	-0.48	
			<i>For >250 To 500, Deduct</i>	-0.82	
			<i>For >500 To 1,000, Deduct</i>	-1.32	
			<i>For >1,000, Deduct</i>	-1.83	
			<i>For Galvanized Steel, Add</i>	4.59	
05 12 23 00-0742	LF		4" x 2" x 1/4" Square Steel Tubing.....	17.04	5.92
			<i>For >100 To 250, Deduct</i>	-0.59	
			<i>For >250 To 500, Deduct</i>	-1.02	
			<i>For >500 To 1,000, Deduct</i>	-1.64	
			<i>For >1,000, Deduct</i>	-2.26	
			<i>For Galvanized Steel, Add</i>	5.68	
05 12 23 00-0743	LF		4" x 3" x 1/4" Square Steel Tubing.....	20.34	7.05
			<i>For >100 To 250, Deduct</i>	-0.71	
			<i>For >250 To 500, Deduct</i>	-1.21	
			<i>For >500 To 1,000, Deduct</i>	-1.96	
			<i>For >1,000, Deduct</i>	-2.70	
			<i>For Galvanized Steel, Add</i>	6.78	

05 Metals**05 10 Structural Metal Framing****05 12 Structural Steel Framing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0744	LF		5" x 2" x 1/4" Square Steel Tubing.....	20.34	7.05
			<i>For >100 To 250, Deduct</i>	-0.71	
			<i>For >250 To 500, Deduct</i>	-1.21	
			<i>For >500 To 1,000, Deduct</i>	-1.96	
			<i>For >1,000, Deduct</i>	-2.70	
			<i>For Galvanized Steel, Add</i>	6.78	
05 12 23 00-0745	LF		5" x 3" x 1/4" Square Steel Tubing.....	23.63	8.19
			<i>For >100 To 250, Deduct</i>	-0.82	
			<i>For >250 To 500, Deduct</i>	-1.41	
			<i>For >500 To 1,000, Deduct</i>	-2.27	
			<i>For >1,000, Deduct</i>	-3.14	
			<i>For Galvanized Steel, Add</i>	7.87	
05 12 23 00-0746	LF		5" x 4" x 1/4" Square Steel Tubing.....	26.92	9.34
			<i>For >100 To 250, Deduct</i>	-0.93	
			<i>For >250 To 500, Deduct</i>	-1.61	
			<i>For >500 To 1,000, Deduct</i>	-2.59	
			<i>For >1,000, Deduct</i>	-3.58	
			<i>For Galvanized Steel, Add</i>	8.97	
05 12 23 00-0747	LF		6" x 2" x 1/4" Square Steel Tubing.....	23.63	8.19
			<i>For >100 To 250, Deduct</i>	-0.82	
			<i>For >250 To 500, Deduct</i>	-1.41	
			<i>For >500 To 1,000, Deduct</i>	-2.27	
			<i>For >1,000, Deduct</i>	-3.14	
			<i>For Galvanized Steel, Add</i>	7.87	
05 12 23 00-0748	LF		6" x 3" x 1/4" Square Steel Tubing.....	26.92	9.34
			<i>For >100 To 250, Deduct</i>	-0.93	
			<i>For >250 To 500, Deduct</i>	-1.61	
			<i>For >500 To 1,000, Deduct</i>	-2.59	
			<i>For >1,000, Deduct</i>	-3.58	
			<i>For Galvanized Steel, Add</i>	8.97	
05 12 23 00-0749	LF		6" x 4" x 1/4" Square Steel Tubing.....	30.23	10.49
			<i>For >100 To 250, Deduct</i>	-1.05	
			<i>For >250 To 500, Deduct</i>	-1.80	
			<i>For >500 To 1,000, Deduct</i>	-2.91	
			<i>For >1,000, Deduct</i>	-4.01	
			<i>For Galvanized Steel, Add</i>	10.08	
05 12 23 00-0750			Round Steel Tubing <small>(05 12 23 00-0686)</small>		
05 12 23 00-0751			0.065" Wall Thickness <small>(05 12 23 00-0750)</small>		
05 12 23 00-0752	LF		1" Diameter x 0.065" Round Steel Tubing	2.74	0.88
			<i>For >100 To 250, Deduct</i>	-0.09	
			<i>For >250 To 500, Deduct</i>	-0.16	
			<i>For >500 To 1,000, Deduct</i>	-0.25	
			<i>For >1,000, Deduct</i>	-0.35	
			<i>For Galvanized Steel, Add</i>	0.98	
05 12 23 00-0753	LF		1-1/4" Diameter x 0.065" Round Steel Tubing	3.48	1.11
			<i>For >100 To 250, Deduct</i>	-0.11	
			<i>For >250 To 500, Deduct</i>	-0.20	
			<i>For >500 To 1,000, Deduct</i>	-0.32	
			<i>For >1,000, Deduct</i>	-0.44	
			<i>For Galvanized Steel, Add</i>	1.25	
05 12 23 00-0754	LF		1-1/2" Diameter x 0.065" Round Steel Tubing	4.21	1.34
			<i>For >100 To 250, Deduct</i>	-0.13	
			<i>For >250 To 500, Deduct</i>	-0.24	
			<i>For >500 To 1,000, Deduct</i>	-0.39	
			<i>For >1,000, Deduct</i>	-0.54	
			<i>For Galvanized Steel, Add</i>	1.51	
05 12 23 00-0755	LF		2" Diameter x 0.065" Round Steel Tubing	5.67	1.80
			<i>For >100 To 250, Deduct</i>	-0.18	
			<i>For >250 To 500, Deduct</i>	-0.32	
			<i>For >500 To 1,000, Deduct</i>	-0.52	
			<i>For >1,000, Deduct</i>	-0.73	
			<i>For Galvanized Steel, Add</i>	2.03	
05 12 23 00-0756	LF		2-1/2" Diameter x 0.065" Round Steel Tubing	7.15	2.26
			<i>For >100 To 250, Deduct</i>	-0.23	
			<i>For >250 To 500, Deduct</i>	-0.41	
			<i>For >500 To 1,000, Deduct</i>	-0.66	
			<i>For >1,000, Deduct</i>	-0.92	
			<i>For Galvanized Steel, Add</i>	2.55	
05 12 23 00-0757	LF		3" Diameter x 0.065" Round Steel Tubing	8.60	2.74
			<i>For >100 To 250, Deduct</i>	-0.27	
			<i>For >250 To 500, Deduct</i>	-0.49	
			<i>For >500 To 1,000, Deduct</i>	-0.79	
			<i>For >1,000, Deduct</i>	-1.10	
			<i>For Galvanized Steel, Add</i>	3.08	
05 12 23 00-0758	LF		3-1/2" Diameter x 0.065" Round Steel Tubing	10.08	3.20
			<i>For >100 To 250, Deduct</i>	-0.32	
			<i>For >250 To 500, Deduct</i>	-0.57	
			<i>For >500 To 1,000, Deduct</i>	-0.93	
			<i>For >1,000, Deduct</i>	-1.29	
			<i>For Galvanized Steel, Add</i>	3.60	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0759 LF 4" Diameter x 0.065" Round Steel Tubing	11.55	3.66
<i>For >100 To 250, Deduct</i>	-0.37	
<i>For >250 To 500, Deduct</i>	-0.66	
<i>For >500 To 1,000, Deduct</i>	-1.07	
<i>For >1,000, Deduct</i>	-1.48	
<i>For Galvanized Steel, Add</i>	4.13	
05 12 23 00-0760 0.083" Wall Thickness <small>(05 12 23 00-0750)</small>		
05 12 23 00-0761 LF 1" Diameter x 0.083" Round Steel Tubing	2.99	0.96
<i>For >100 To 250, Deduct</i>	-0.10	
<i>For >250 To 500, Deduct</i>	-0.17	
<i>For >500 To 1,000, Deduct</i>	-0.28	
<i>For >1,000, Deduct</i>	-0.38	
<i>For Galvanized Steel, Add</i>	1.06	
05 12 23 00-0762 LF 1-1/4" Diameter x 0.083" Round Steel Tubing	3.80	1.22
<i>For >100 To 250, Deduct</i>	-0.12	
<i>For >250 To 500, Deduct</i>	-0.22	
<i>For >500 To 1,000, Deduct</i>	-0.35	
<i>For >1,000, Deduct</i>	-0.49	
<i>For Galvanized Steel, Add</i>	1.35	
05 12 23 00-0763 LF 1-1/2" Diameter x 0.083" Round Steel Tubing	4.60	1.48
<i>For >100 To 250, Deduct</i>	-0.15	
<i>For >250 To 500, Deduct</i>	-0.26	
<i>For >500 To 1,000, Deduct</i>	-0.43	
<i>For >1,000, Deduct</i>	-0.59	
<i>For Galvanized Steel, Add</i>	1.64	
05 12 23 00-0764 LF 2" Diameter x 0.083" Round Steel Tubing	6.24	1.99
<i>For >100 To 250, Deduct</i>	-0.20	
<i>For >250 To 500, Deduct</i>	-0.36	
<i>For >500 To 1,000, Deduct</i>	-0.58	
<i>For >1,000, Deduct</i>	-0.80	
<i>For Galvanized Steel, Add</i>	2.22	
05 12 23 00-0765 LF 2-1/2" Diameter x 0.083" Round Steel Tubing	7.87	2.52
<i>For >100 To 250, Deduct</i>	-0.25	
<i>For >250 To 500, Deduct</i>	-0.45	
<i>For >500 To 1,000, Deduct</i>	-0.73	
<i>For >1,000, Deduct</i>	-1.01	
<i>For Galvanized Steel, Add</i>	2.80	
05 12 23 00-0766 LF 3" Diameter x 0.083" Round Steel Tubing	9.49	3.04
<i>For >100 To 250, Deduct</i>	-0.30	
<i>For >250 To 500, Deduct</i>	-0.54	
<i>For >500 To 1,000, Deduct</i>	-0.88	
<i>For >1,000, Deduct</i>	-1.22	
<i>For Galvanized Steel, Add</i>	3.37	
05 12 23 00-0767 LF 3-1/2" Diameter x 0.083" Round Steel Tubing	11.12	3.56
<i>For >100 To 250, Deduct</i>	-0.36	
<i>For >250 To 500, Deduct</i>	-0.63	
<i>For >500 To 1,000, Deduct</i>	-1.03	
<i>For >1,000, Deduct</i>	-1.43	
<i>For Galvanized Steel, Add</i>	3.96	
05 12 23 00-0768 LF 4" Diameter x 0.083" Round Steel Tubing	12.74	4.08
<i>For >100 To 250, Deduct</i>	-0.41	
<i>For >250 To 500, Deduct</i>	-0.73	
<i>For >500 To 1,000, Deduct</i>	-1.18	
<i>For >1,000, Deduct</i>	-1.63	
<i>For Galvanized Steel, Add</i>	4.53	
05 12 23 00-0769 0.125" Wall Thickness <small>(05 12 23 00-0750)</small>		
05 12 23 00-0770 LF 2" Diameter x 0.125" Round Steel Tubing	6.87	2.52
<i>For >100 To 250, Deduct</i>	-0.25	
<i>For >250 To 500, Deduct</i>	-0.42	
<i>For >500 To 1,000, Deduct</i>	-0.68	
<i>For >1,000, Deduct</i>	-0.94	
<i>For Galvanized Steel, Add</i>	2.18	
05 12 23 00-0771 LF 2-1/2" Diameter x 0.125" Round Steel Tubing	8.71	3.19
<i>For >100 To 250, Deduct</i>	-0.32	
<i>For >250 To 500, Deduct</i>	-0.54	
<i>For >500 To 1,000, Deduct</i>	-0.86	
<i>For >1,000, Deduct</i>	-1.19	
<i>For Galvanized Steel, Add</i>	2.76	
05 12 23 00-0772 LF 3" Diameter x 0.125" Round Steel Tubing	10.53	3.86
<i>For >100 To 250, Deduct</i>	-0.39	
<i>For >250 To 500, Deduct</i>	-0.65	
<i>For >500 To 1,000, Deduct</i>	-1.04	
<i>For >1,000, Deduct</i>	-1.43	
<i>For Galvanized Steel, Add</i>	3.34	
05 12 23 00-0773 LF 3-1/2" Diameter x 0.125" Round Steel Tubing	12.37	4.54
<i>For >100 To 250, Deduct</i>	-0.45	
<i>For >250 To 500, Deduct</i>	-0.76	
<i>For >500 To 1,000, Deduct</i>	-1.22	
<i>For >1,000, Deduct</i>	-1.68	
<i>For Galvanized Steel, Add</i>	3.92	

05 Metals**05 10 Structural Metal Framing****05 12 Structural Steel Framing**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0774 LF 4" Diameter x 0.125" Round Steel Tubing	14.19	5.21
For >100 To 250, Deduct	-0.52	
For >250 To 500, Deduct	-0.88	
For >500 To 1,000, Deduct	-1.40	
For >1,000, Deduct	-1.93	
For Galvanized Steel, Add	4.50	
05 12 23 00-0775 Flat Steel Bar (05 12 23 00-0437)		
05 12 23 00-0776 1/8" Thick (05 12 23 00-0775)		
05 12 23 00-0777 LF 1/8" Thick x 1" Wide Flat Steel Bar	2.27	1.25
For Galvanized Steel, Add	0.24	
05 12 23 00-0778 LF 1/8" Thick x 2" Wide Flat Steel Bar	3.47	1.88
For Galvanized Steel, Add	0.40	
05 12 23 00-0779 LF 1/8" Thick x 4" Wide Flat Steel Bar	5.16	2.65
For Galvanized Steel, Add	0.74	
05 12 23 00-0780 LF 1/8" Thick x 6" Wide Flat Steel Bar	6.99	3.60
For Galvanized Steel, Add	0.99	
05 12 23 00-0781 3/16" Thick (05 12 23 00-0775)		
05 12 23 00-0782 LF 3/16" Thick x 1" Wide Flat Steel Bar	2.93	1.56
For Galvanized Steel, Add	0.37	
05 12 23 00-0783 LF 3/16" Thick x 2" Wide Flat Steel Bar	4.54	2.33
For Galvanized Steel, Add	0.64	
05 12 23 00-0784 LF 3/16" Thick x 4" Wide Flat Steel Bar	5.76	2.69
For Galvanized Steel, Add	1.08	
05 12 23 00-0785 LF 3/16" Thick x 6" Wide Flat Steel Bar	7.99	3.72
For Galvanized Steel, Add	1.49	
05 12 23 00-0786 1/4" Thick (05 12 23 00-0775)		
05 12 23 00-0787 LF 1/4" Thick x 1" Wide Flat Steel Bar	3.06	1.65
For Galvanized Steel, Add	0.37	
05 12 23 00-0788 LF 1/4" Thick x 2" Wide Flat Steel Bar	4.89	2.47
For Galvanized Steel, Add	0.74	
05 12 23 00-0789 LF 1/4" Thick x 4" Wide Flat Steel Bar	6.55	2.82
For Galvanized Steel, Add	1.43	
05 12 23 00-0790 LF 1/4" Thick x 6" Wide Flat Steel Bar	9.55	4.17
For Galvanized Steel, Add	2.03	
05 12 23 00-0791 3/8" Thick (05 12 23 00-0775)		
05 12 23 00-0792 LF 3/8" Thick x 1" Wide Flat Steel Bar	3.72	1.85
For Galvanized Steel, Add	0.58	
05 12 23 00-0793 LF 3/8" Thick x 2" Wide Flat Steel Bar	5.88	2.78
For Galvanized Steel, Add	1.06	
05 12 23 00-0794 LF 3/8" Thick x 4" Wide Flat Steel Bar	8.18	3.17
For Galvanized Steel, Add	2.12	
05 12 23 00-0795 LF 3/8" Thick x 6" Wide Flat Steel Bar	11.86	4.69
For Galvanized Steel, Add	2.98	
05 12 23 00-0796 1/2" Thick (05 12 23 00-0775)		
05 12 23 00-0797 LF 1/2" Thick x 1" Wide Flat Steel Bar	4.25	2.03
For Galvanized Steel, Add	0.74	
05 12 23 00-0798 LF 1/2" Thick x 2" Wide Flat Steel Bar	6.77	3.06
For Galvanized Steel, Add	1.35	
05 12 23 00-0799 LF 1/2" Thick x 4" Wide Flat Steel Bar	8.95	3.48
For Galvanized Steel, Add	2.31	
05 12 23 00-0800 LF 1/2" Thick x 6" Wide Flat Steel Bar	15.17	5.16
For Galvanized Steel, Add	4.60	
05 12 23 00-0801 Flat Steel Plate (05 12 23 00-0437)		
05 12 23 00-0802 SF 1/8" Thick Flat Steel Plate	10.90	5.39
For 316 Stainless Steel, Add	8.96	
For Aluminum, Add	0.50	
For Galvanized Steel, Add	1.74	
For 304 Stainless Steel, Add	7.98	
05 12 23 00-0803 SF 3/16" Thick Flat Steel Plate	11.88	5.58
For 316 Stainless Steel, Add	11.20	
For Aluminum, Add	0.63	
For Galvanized Steel, Add	2.17	
For 304 Stainless Steel, Add	9.98	
05 12 23 00-0804 SF 1/4" Thick Flat Steel Plate	13.86	6.26
For 316 Stainless Steel, Add	14.27	
For Aluminum, Add	0.80	
For Galvanized Steel, Add	2.77	
For 304 Stainless Steel, Add	12.71	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0805	SF			3/8" Thick Flat Steel Plate.....	17.58	7.04
				For 316 Stainless Steel, Add	22.43	
				For Aluminum, Add	1.26	
				For Galvanized Steel, Add	4.35	
				For 304 Stainless Steel, Add	19.98	
05 12 23 00-0806	SF			1/2" Thick Flat Steel Plate.....	20.35	7.74
				For 316 Stainless Steel, Add	27.94	
				For Aluminum, Add	1.57	
				For Galvanized Steel, Add	5.41	
				For 304 Stainless Steel, Add	24.88	
05 12 23 00-0807	SF			3/4" Thick Flat Steel Plate.....	30.90	9.59
				For 316 Stainless Steel, Add	52.38	
				For Aluminum, Add	2.95	
				For Galvanized Steel, Add	10.15	
				For 304 Stainless Steel, Add	46.65	
05 12 23 00-0808	SF			1" Thick Flat Steel Plate.....	40.57	11.98
				For 316 Stainless Steel, Add	71.71	
				For Aluminum, Add	4.03	
				For Galvanized Steel, Add	13.89	
				For 304 Stainless Steel, Add	63.87	

05 13 Structural Stainless-Steel Framing (05 10)

05 13 00 00-0001 Stainless Steel Tube (05 13)						
05 13 00 00-0002	LF			1" x 1" Stainless Steel Tube.....	24.01	
05 13 00 00-0003	LF			1-1/2" x 1-1/2" Stainless Steel Tube.....	31.14	
05 13 00 00-0004	LF			2" x 2" Stainless Steel Tube.....	41.20	

05 14 Structural Aluminum Framing (05 10)

05 14 16 Structural Aluminum Framing (05 14)

05 14 16 00-0001 Rolled Or Plate Shapes (05 14 16)						
Note: 1" through 10" member.						
05 14 16 00-0002	LB			Structural Aluminum, Up To 2,000 LB / Order 1" To 10" Rolled / Plate Structural Members.....	7.75	4.11
05 14 16 00-0003	LB			Structural Aluminum, >2,000 - 9,999 LB / Order 1" To 10" Rolled / Plate Structural Members.....	7.50	2.77

05 14 16 00-0004 Aluminum Extrusions (05 14 16)						
05 14 16 00-0005	LB			Aluminum Extrusions, Stock Shapes 1" To 10" Rolled / Plate Structural Members.....	6.91	2.77
05 14 16 00-0006	LB			Aluminum Extrusions, Custom Shapes 1" To 10" Rolled / Plate Structural Members.....	7.14	2.77

05 14 16 00-0007 Aluminum Tubing (05 14 16)						
05 14 16 00-0008	LB			Aluminum Extrusions, Tubular Shapes 1" To 10" Rolled / Plate Structural Members.....	8.36	3.02
05 14 16 00-0009	LF			1" x 1" Aluminum Tubing, 1/8" Wall Thickness.....	11.06	4.92
05 14 16 00-0010	LF			1-1/4" x 1-1/4" Aluminum Tubing, 1/8" Wall Thickness.....	12.44	5.37
05 14 16 00-0011	LF			1-1/2" x 1-1/2" Aluminum Tubing, 1/8" Wall Thickness.....	14.45	6.27
05 14 16 00-0012	LF			2" x 2" Aluminum Tubing, 1/8" Wall Thickness.....	15.98	6.71
05 14 16 00-0013	LF			4" x 4" Aluminum Tubing, 1/4" Wall Thickness.....	28.81	8.50
05 14 16 00-0014	LF			2" x 5" Aluminum Tubing, 1/4" Wall Thickness.....	24.62	7.61

05 14 16 00-0015 Columns (05 14 16)						
Note: Baked on paint finish, load bearing.						

05 14 16 00-0016 Round Columns (05 14 16 00-0015)						
05 14 16 00-0017	LF			6" Diameter Aluminum Column.....	22.39	5.78
05 14 16 00-0018	LF			8" Diameter Aluminum Column.....	29.74	8.29
05 14 16 00-0019	LF			10" Diameter Aluminum Column.....	35.22	9.33
05 14 16 00-0020	LF			12" Diameter Aluminum Column.....	47.26	9.76
05 14 16 00-0021	LF			15" Diameter Aluminum Column.....	58.82	11.31
05 14 16 00-0022	EA			6" Diameter Aluminum Base And Cap.....	41.67	10.79
05 14 16 00-0023	EA			8" Diameter Aluminum Base And Cap.....	46.78	11.66
05 14 16 00-0024	EA			10" Diameter Aluminum Base And Cap.....	56.74	12.96
05 14 16 00-0025	EA			12" Diameter Aluminum Base And Cap.....	86.89	13.82
05 14 16 00-0026	EA			15" Diameter Aluminum Base And Cap.....	125.17	15.11

05 14 16 00-0027 Octagonal Columns (05 14 16 00-0015)						
05 14 16 00-0028	LF			6" Diameter Aluminum Column.....	23.31	5.78
05 14 16 00-0029	LF			8" Diameter Aluminum Column.....	32.37	8.29
05 14 16 00-0030	LF			10" Diameter Aluminum Column.....	38.53	9.33
05 14 16 00-0031	LF			12" Diameter Aluminum Column.....	52.82	9.76
05 14 16 00-0032	LF			15" Diameter Aluminum Column.....	66.08	11.31
05 14 16 00-0033	EA			6" Diameter Aluminum Base And Cap.....	45.68	10.79
05 14 16 00-0034	EA			8" Diameter Aluminum Base And Cap.....	51.48	11.66
05 14 16 00-0035	EA			10" Diameter Aluminum Base And Cap.....	62.91	12.96
05 14 16 00-0036	EA			12" Diameter Aluminum Base And Cap.....	98.75	13.82
05 14 16 00-0037	EA			15" Diameter Aluminum Base And Cap.....	144.16	15.11

05	05 Metals
	05 10 Structural Metal Framing
	05 14 Structural Aluminum Framing



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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05 14 16 00-0038	Fluted Columns <small>(05 14 16 00-0015)</small>		
05 14 16 00-0039	LF 6" Diameter Aluminum Column	25.08	5.78
05 14 16 00-0040	LF 8" Diameter Aluminum Column	34.73	8.29
05 14 16 00-0041	LF 10" Diameter Aluminum Column	41.52	9.33
05 14 16 00-0042	LF 12" Diameter Aluminum Column	57.83	9.76
05 14 16 00-0043	LF 15" Diameter Aluminum Column	72.61	11.31
05 14 16 00-0044	EA 6" Diameter Aluminum Base And Cap	49.30	10.79
05 14 16 00-0045	EA 8" Diameter Aluminum Base And Cap	55.70	11.66
05 14 16 00-0046	EA 10" Diameter Aluminum Base And Cap	68.46	12.96
05 14 16 00-0047	EA 12" Diameter Aluminum Base And Cap	109.41	13.82
05 14 16 00-0048	EA 15" Diameter Aluminum Base And Cap	161.25	15.11

05 14 16 00-0049	Square Columns <small>(05 14 16 00-0015)</small>		
05 14 16 00-0050	LF 6" Aluminum Column	26.30	5.78
05 14 16 00-0051	LF 8" Aluminum Column	36.34	8.29
05 14 16 00-0052	LF 10" Aluminum Column	43.56	9.33
05 14 16 00-0053	LF 12" Aluminum Column	61.25	9.76
05 14 16 00-0054	LF 15" Aluminum Column	77.08	11.31
05 14 16 00-0055	EA 6" Aluminum Base And Cap	51.77	10.79
05 14 16 00-0056	EA 8" Aluminum Base And Cap	58.59	11.66
05 14 16 00-0057	EA 10" Aluminum Base And Cap	72.26	12.96
05 14 16 00-0058	EA 12" Aluminum Base And Cap	116.71	13.82
05 14 16 00-0059	EA 15" Aluminum Base And Cap	172.94	15.11

05 14 16 00-0060	Ornamental Or Decorative Cap And Bases <small>(05 14 16 00-0015)</small>		
05 14 16 00-0061	EA 8" Corinthian Capital And Base	230.30	12.96
05 14 16 00-0062	EA 10" Corinthian Capital And Base	333.77	15.11
05 14 16 00-0063	EA 12" Corinthian Capital And Base	519.34	17.27
05 14 16 00-0064	EA 8" Scamozzi Capital And Base	122.86	12.96
05 14 16 00-0065	EA 10" Scamozzi Capital And Base	161.69	15.11
05 14 16 00-0066	EA 12" Scamozzi Capital And Base	308.13	17.27

05 15 Wire Rope Assemblies (05 10)

05 15 16 Steel Wire Rope Assemblies (05 15)

Note: IWRC = Independent Wire Rope Center; IPS = Improved Plow Steel; XIP = Extra Improved Plow Steel.

05 15 16 00-0001	6x7 Class Bright, Improved Plow Steel (IPS), Fiber Core <small>(05 15 16)</small>		
05 15 16 00-0002	LF 1/16" Diameter 6x7 Class Bright Wire Rope IPS, Fiber Core	0.32	0.06
	<i>For 7x7 Strand Core, Add</i>	0.01	
	<i>For <100, Add</i>	0.09	
	<i>For >500 To 1,000, Deduct</i>	-0.02	
	<i>For >1,000 To 2,000, Deduct</i>	-0.02	
	<i>For >2,000, Deduct</i>	-0.03	
05 15 16 00-0003	LF 3/32" Diameter 6x7 Class Bright Wire Rope IPS, Fiber Core	0.36	0.07
	<i>For 7x7 Strand Core, Add</i>	0.01	
	<i>For <100, Add</i>	0.10	
	<i>For >500 To 1,000, Deduct</i>	-0.02	
	<i>For >1,000 To 2,000, Deduct</i>	-0.03	
	<i>For >2,000, Deduct</i>	-0.04	
05 15 16 00-0004	LF 1/8" Diameter 6x7 Class Bright Wire Rope IPS, Fiber Core	0.47	0.08
	<i>For 7x7 Strand Core, Add</i>	0.02	
	<i>For <100, Add</i>	0.13	
	<i>For >500 To 1,000, Deduct</i>	-0.02	
	<i>For >1,000 To 2,000, Deduct</i>	-0.04	
	<i>For >2,000, Deduct</i>	-0.05	
05 15 16 00-0005	LF 5/32" Diameter 6x7 Class Bright Wire Rope IPS, Fiber Core	0.51	0.09
	<i>For 7x7 Strand Core, Add</i>	0.02	
	<i>For <100, Add</i>	0.14	
	<i>For >500 To 1,000, Deduct</i>	-0.03	
	<i>For >1,000 To 2,000, Deduct</i>	-0.04	
	<i>For >2,000, Deduct</i>	-0.05	
05 15 16 00-0006	LF 3/16" Diameter 6x7 Class Bright Wire Rope IPS, Fiber Core	0.73	0.09
	<i>For 7x7 Strand Core, Add</i>	0.03	
	<i>For <100, Add</i>	0.21	
	<i>For >500 To 1,000, Deduct</i>	-0.04	
	<i>For >1,000 To 2,000, Deduct</i>	-0.05	
	<i>For >2,000, Deduct</i>	-0.07	
05 15 16 00-0007	LF 1/4" Diameter 6x7 Class Bright Wire Rope IPS, Fiber Core	0.95	0.09
	<i>For 7x7 Strand Core, Add</i>	0.04	
	<i>For <100, Add</i>	0.29	
	<i>For >500 To 1,000, Deduct</i>	-0.05	
	<i>For >1,000 To 2,000, Deduct</i>	-0.07	
	<i>For >2,000, Deduct</i>	-0.10	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 15 16 00-0008	LF		5/16" Diameter 6x7 Class Bright Wire Rope IPS, Fiber Core <i>For 7x7 Strand Core, Add</i> <i>For <100, Add</i> <i>For >500 To 1,000, Deduct</i> <i>For >1,000 To 2,000, Deduct</i> <i>For >2,000, Deduct</i>	1.20 0.05 0.37 -0.06 -0.09 -0.12	0.09
05 15 16 00-0009	LF		3/8" Diameter 6x7 Class Bright Wire Rope IPS, Fiber Core <i>For 7x7 Strand Core, Add</i> <i>For <100, Add</i> <i>For >500 To 1,000, Deduct</i> <i>For >1,000 To 2,000, Deduct</i> <i>For >2,000, Deduct</i>	1.52 0.06 0.46 -0.08 -0.11 -0.15	0.09
05 15 16 00-0010	LF		7/16" Diameter 6x7 Class Bright Wire Rope IPS, Fiber Core <i>For 7x7 Strand Core, Add</i> <i>For <100, Add</i> <i>For >500 To 1,000, Deduct</i> <i>For >1,000 To 2,000, Deduct</i> <i>For >2,000, Deduct</i>	1.89 0.07 0.56 -0.09 -0.14 -0.19	0.18
05 15 16 00-0011	LF		1/2" Diameter 6x7 Class Bright Wire Rope IPS, Fiber Core <i>For 7x7 Strand Core, Add</i> <i>For <100, Add</i> <i>For >500 To 1,000, Deduct</i> <i>For >1,000 To 2,000, Deduct</i> <i>For >2,000, Deduct</i>	2.23 0.08 0.65 -0.11 -0.17 -0.22	0.18
05 15 16 00-0012	LF		9/16" Diameter 6x7 Class Bright Wire Rope IPS, Fiber Core <i>For 7x7 Strand Core, Add</i> <i>For <100, Add</i> <i>For >500 To 1,000, Deduct</i> <i>For >1,000 To 2,000, Deduct</i> <i>For >2,000, Deduct</i>	2.72 0.09 0.78 -0.14 -0.20 -0.27	0.27
05 15 16 00-0013	LF		5/8" Diameter 6x7 Class Bright Wire Rope IPS, Fiber Core <i>For 7x7 Strand Core, Add</i> <i>For <100, Add</i> <i>For >500 To 1,000, Deduct</i> <i>For >1,000 To 2,000, Deduct</i> <i>For >2,000, Deduct</i>	3.13 0.10 0.88 -0.16 -0.23 -0.31	0.36
05 15 16 00-0014	LF		3/4" Diameter 6x7 Class Bright Wire Rope IPS, Fiber Core <i>For 7x7 Strand Core, Add</i> <i>For <100, Add</i> <i>For >500 To 1,000, Deduct</i> <i>For >1,000 To 2,000, Deduct</i> <i>For >2,000, Deduct</i>	4.21 0.14 1.17 -0.21 -0.32 -0.42	0.44
05 15 16 00-0015			8x19 Class Bright, Improved Plow Steel (IPS), Fiber Core <small>(05 15 16)</small>		
05 15 16 00-0016	LF		3/16" Diameter 8x19 Bright Class Wire Rope IPS, Fiber Core <i>For <100, Add</i> <i>For >500 To 1,000, Deduct</i> <i>For >1,000 To 2,000, Deduct</i> <i>For >2,000, Deduct</i>	1.05 0.32 -0.05 -0.08 -0.11	0.09
05 15 16 00-0017	LF		1/4" Diameter 8x19 Bright Class Wire Rope IPS, Fiber Core <i>For <100, Add</i> <i>For >500 To 1,000, Deduct</i> <i>For >1,000 To 2,000, Deduct</i> <i>For >2,000, Deduct</i>	1.56 0.50 -0.08 -0.12 -0.16	0.09
05 15 16 00-0018	LF		5/16" Diameter 8x19 Bright Class Wire Rope IPS, Fiber Core <i>For <100, Add</i> <i>For >500 To 1,000, Deduct</i> <i>For >1,000 To 2,000, Deduct</i> <i>For >2,000, Deduct</i>	1.80 0.58 -0.09 -0.14 -0.18	0.09
05 15 16 00-0019	LF		3/8" Diameter 8x19 Bright Class Wire Rope IPS, Fiber Core <i>For <100, Add</i> <i>For >500 To 1,000, Deduct</i> <i>For >1,000 To 2,000, Deduct</i> <i>For >2,000, Deduct</i>	2.11 0.66 -0.11 -0.16 -0.21	0.09
05 15 16 00-0020	LF		7/16" Diameter 8x19 Bright Class Wire Rope IPS, Fiber Core <i>For <100, Add</i> <i>For >500 To 1,000, Deduct</i> <i>For >1,000 To 2,000, Deduct</i> <i>For >2,000, Deduct</i>	2.51 0.77 -0.13 -0.19 -0.25	0.18
05 15 16 00-0021	LF		1/2" Diameter 8x19 Bright Class Wire Rope IPS, Fiber Core <i>For <100, Add</i> <i>For >500 To 1,000, Deduct</i> <i>For >1,000 To 2,000, Deduct</i> <i>For >2,000, Deduct</i>	2.89 0.87 -0.14 -0.22 -0.29	0.18
05 15 16 00-0022	LF		9/16" Diameter 8x19 Bright Class Wire Rope IPS, Fiber Core <i>For <100, Add</i> <i>For >500 To 1,000, Deduct</i> <i>For >1,000 To 2,000, Deduct</i> <i>For >2,000, Deduct</i>	3.42 1.02 -0.17 -0.26 -0.34	0.27
05 15 16 00-0023	LF		5/8" Diameter 8x19 Bright Class Wire Rope IPS, Fiber Core <i>For <100, Add</i> <i>For >500 To 1,000, Deduct</i> <i>For >1,000 To 2,000, Deduct</i> <i>For >2,000, Deduct</i>	4.12 1.22 -0.21 -0.31 -0.41	0.36

05 Metals**05 10 Structural Metal Framing****05 15 Wire Rope Assemblies**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 15 16 00-0024	LF		3/4" Diameter 8x19 Bright Class Wire Rope IPS, Fiber Core.....	5.77	0.44
			<i>For <100, Add</i>	1.71	
			<i>For >500 To 1,000, Deduct</i>	-0.29	
			<i>For >1,000 To 2,000, Deduct</i>	-0.43	
			<i>For >2,000, Deduct</i>	-0.58	
05 15 16 00-0025	LF		7/8" Diameter 8x19 Bright Class Wire Rope IPS, Fiber Core.....	7.67	0.62
			<i>For <100, Add</i>	2.25	
			<i>For >500 To 1,000, Deduct</i>	-0.38	
			<i>For >1,000 To 2,000, Deduct</i>	-0.58	
			<i>For >2,000, Deduct</i>	-0.77	
05 15 16 00-0026	LF		1" Diameter 8x19 Bright Class Wire Rope IPS, Fiber Core.....	9.65	0.90
			<i>For <100, Add</i>	2.81	
			<i>For >500 To 1,000, Deduct</i>	-0.48	
			<i>For >1,000 To 2,000, Deduct</i>	-0.72	
			<i>For >2,000, Deduct</i>	-0.97	
05 15 16 00-0027	LF		1-1/8" Diameter 8x19 Bright Class Wire Rope IPS, Fiber Core	7.15	1.08
			<i>For <100, Add</i>	1.79	
			<i>For >500 To 1,000, Deduct</i>	-0.36	
			<i>For >1,000 To 2,000, Deduct</i>	-0.54	
			<i>For >2,000, Deduct</i>	-0.72	
05 15 16 00-0028	LF		1-1/4" Diameter 8x19 Bright Class Wire Rope IPS, Fiber Core	14.59	1.34
			<i>For <100, Add</i>	4.21	
			<i>For >500 To 1,000, Deduct</i>	-0.73	
			<i>For >1,000 To 2,000, Deduct</i>	-1.09	
			<i>For >2,000, Deduct</i>	-1.46	
05 15 16 00-0029	LF		1-3/8" Diameter 8x19 Bright Class Wire Rope IPS, Fiber Core	17.53	1.61
			<i>For <100, Add</i>	5.07	
			<i>For >500 To 1,000, Deduct</i>	-0.88	
			<i>For >1,000 To 2,000, Deduct</i>	-1.31	
			<i>For >2,000, Deduct</i>	-1.75	
05 15 16 00-0030	LF		1-1/2" Diameter 8x19 Bright Class Wire Rope IPS, Fiber Core	20.84	1.97
			<i>For <100, Add</i>	6.02	
			<i>For >500 To 1,000, Deduct</i>	-1.04	
			<i>For >1,000 To 2,000, Deduct</i>	-1.56	
			<i>For >2,000, Deduct</i>	-2.08	
05 15 16 00-0031			6x19 Class Bright, Improved Plow Steel (IPS), Independent Wire Rope Core (IWRC) <small>(05 15 16)</small>		
05 15 16 00-0032	LF		1/4" Diameter 6x19 Class Bright Wire Rope IPS, IWRC.....	1.49	0.09
			<i>For <100, Add</i>	0.48	
			<i>For >500 To 1,000, Deduct</i>	-0.07	
			<i>For >1,000 To 2,000, Deduct</i>	-0.11	
			<i>For >2,000, Deduct</i>	-0.15	
			<i>For 7x19 Strand Core, Add</i>	0.26	
			<i>For Heavy Duty IWRC Rating, Add</i>	0.32	
			<i>For 7x19 Galvanized, Add</i>	0.70	
05 15 16 00-0033	LF		5/16" Diameter 6x19 Class Bright Wire Rope IPS, IWRC.....	1.76	0.09
			<i>For <100, Add</i>	0.55	
			<i>For >500 To 1,000, Deduct</i>	-0.09	
			<i>For >1,000 To 2,000, Deduct</i>	-0.13	
			<i>For >2,000, Deduct</i>	-0.18	
			<i>For 7x19 Strand Core, Add</i>	0.29	
			<i>For Heavy Duty IWRC Rating, Add</i>	0.36	
			<i>For 7x19 Galvanized, Add</i>	0.79	
05 15 16 00-0034	LF		3/8" Diameter 6x19 Class Bright Wire Rope IPS, IWRC.....	2.12	0.18
			<i>For <100, Add</i>	0.65	
			<i>For >500 To 1,000, Deduct</i>	-0.11	
			<i>For >1,000 To 2,000, Deduct</i>	-0.16	
			<i>For >2,000, Deduct</i>	-0.21	
			<i>For 7x19 Strand Core, Add</i>	0.33	
			<i>For Heavy Duty IWRC Rating, Add</i>	0.42	
			<i>For 7x19 Galvanized, Add</i>	0.91	
05 15 16 00-0035	LF		7/16" Diameter 6x19 Class Bright Wire Rope IPS, IWRC.....	2.50	0.18
			<i>For <100, Add</i>	0.75	
			<i>For >500 To 1,000, Deduct</i>	-0.13	
			<i>For >1,000 To 2,000, Deduct</i>	-0.19	
			<i>For >2,000, Deduct</i>	-0.25	
			<i>For 7x19 Strand Core, Add</i>	0.38	
			<i>For Heavy Duty IWRC Rating, Add</i>	0.47	
			<i>For 7x19 Galvanized, Add</i>	1.03	
05 15 16 00-0036	LF		1/2" Diameter 6x19 Class Bright Wire Rope IPS, IWRC.....	2.94	0.27
			<i>For <100, Add</i>	0.86	
			<i>For >500 To 1,000, Deduct</i>	-0.15	
			<i>For >1,000 To 2,000, Deduct</i>	-0.22	
			<i>For >2,000, Deduct</i>	-0.29	
			<i>For 7x19 Strand Core, Add</i>	0.42	
			<i>For Heavy Duty IWRC Rating, Add</i>	0.53	
			<i>For 7x19 Galvanized, Add</i>	1.16	



Metals	05	05
Structural Metal Framing	05 10	
Wire Rope Assemblies	05 15	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 15 16 00-0037 LF 9/16" Diameter 6x19 Class Bright Wire Rope IPS, IWRC.....	3.48	0.36
For <100, Add	1.01	
For >500 To 1,000, Deduct	-0.17	
For >1,000 To 2,000, Deduct	-0.26	
For >2,000, Deduct	-0.35	
For 7x19 Strand Core, Add	0.48	
For Heavy Duty IWRC Rating, Add	0.61	
For 7x19 Galvanized, Add	1.33	
05 15 16 00-0038 LF 5/8" Diameter 6x19 Class Bright Wire Rope IPS, IWRC.....	4.01	0.36
For <100, Add	1.14	
For >500 To 1,000, Deduct	-0.20	
For >1,000 To 2,000, Deduct	-0.30	
For >2,000, Deduct	-0.40	
For 7x19 Strand Core, Add	0.54	
For Heavy Duty IWRC Rating, Add	0.68	
For 7x19 Galvanized, Add	1.49	
05 15 16 00-0039 LF 3/4" Diameter 6x19 Class Bright Wire Rope IPS, IWRC.....	5.68	0.62
For <100, Add	1.61	
For >500 To 1,000, Deduct	-0.28	
For >1,000 To 2,000, Deduct	-0.43	
For >2,000, Deduct	-0.57	
For 7x19 Strand Core, Add	0.76	
For Heavy Duty IWRC Rating, Add	0.95	
For 7x19 Galvanized, Add	2.09	
05 15 16 00-0040 LF 7/8" Diameter 6x19 Class Bright Wire Rope IPS, IWRC.....	7.51	0.71
For <100, Add	2.12	
For >500 To 1,000, Deduct	-0.38	
For >1,000 To 2,000, Deduct	-0.56	
For >2,000, Deduct	-0.75	
For 7x19 Strand Core, Add	0.99	
For Heavy Duty IWRC Rating, Add	1.24	
For 7x19 Galvanized, Add	2.72	
05 15 16 00-0041 LF 1" Diameter 6x19 Class Bright Wire Rope IPS, IWRC.....	9.47	0.99
For <100, Add	2.64	
For >500 To 1,000, Deduct	-0.47	
For >1,000 To 2,000, Deduct	-0.71	
For >2,000, Deduct	-0.95	
For 7x19 Strand Core, Add	1.22	
For Heavy Duty IWRC Rating, Add	1.52	
For 7x19 Galvanized, Add	3.35	
05 15 16 00-0042 LF 1-1/8" Diameter 6x19 Class Bright Wire Rope IPS, IWRC.....	11.73	1.25
For <100, Add	3.27	
For >500 To 1,000, Deduct	-0.59	
For >1,000 To 2,000, Deduct	-0.88	
For >2,000, Deduct	-1.17	
For 7x19 Strand Core, Add	1.51	
For Heavy Duty IWRC Rating, Add	1.88	
For 7x19 Galvanized, Add	4.14	
05 15 16 00-0043 LF 1-1/4" Diameter 6x19 Class Bright Wire Rope IPS, IWRC.....	13.98	1.52
For <100, Add	3.87	
For >500 To 1,000, Deduct	-0.70	
For >1,000 To 2,000, Deduct	-1.05	
For >2,000, Deduct	-1.40	
For 7x19 Strand Core, Add	1.77	
For Heavy Duty IWRC Rating, Add	2.22	
For 7x19 Galvanized, Add	4.88	
05 15 16 00-0044 LF 1-3/8" Diameter 6x19 Class Bright Wire Rope IPS, IWRC.....	16.97	1.88
For <100, Add	4.68	
For >500 To 1,000, Deduct	-0.85	
For >1,000 To 2,000, Deduct	-1.27	
For >2,000, Deduct	-1.70	
For 7x19 Strand Core, Add	2.14	
For Heavy Duty IWRC Rating, Add	2.67	
For 7x19 Galvanized, Add	5.88	
05 15 16 00-0045 LF 1-1/2" Diameter 6x19 Class Bright Wire Rope IPS, IWRC.....	20.13	2.23
For <100, Add	5.55	
For >500 To 1,000, Deduct	-1.01	
For >1,000 To 2,000, Deduct	-1.51	
For >2,000, Deduct	-2.01	
For 7x19 Strand Core, Add	2.53	
For Heavy Duty IWRC Rating, Add	3.17	
For 7x19 Galvanized, Add	6.97	
05 15 16 00-0046 LF 1-5/8" Diameter 6x19 Class Bright Wire Rope IPS, IWRC.....	23.95	2.60
For <100, Add	6.64	
For >500 To 1,000, Deduct	-1.20	
For >1,000 To 2,000, Deduct	-1.80	
For >2,000, Deduct	-2.40	
For 7x19 Strand Core, Add	3.04	
For Heavy Duty IWRC Rating, Add	3.81	
For 7x19 Galvanized, Add	8.37	

05 Metals

05 10 Structural Metal Framing

05 15 Wire Rope Assemblies



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 15 16 00-0047 LF 1-3/4" Diameter 6x19 Class Bright Wire Rope IPS, IWRC.....	32.05	4.31
For <100, Add	8.38	
For >500 To 1,000, Deduct	-1.60	
For >1,000 To 2,000, Deduct	-2.40	
For >2,000, Deduct	-3.21	
For 7x19 Strand Core, Add	3.57	
For Heavy Duty IWRC Rating, Add	4.47	
For 7x19 Galvanized, Add	9.83	
05 15 16 00-0048 LF 1-7/8" Diameter 6x19 Class Bright Wire Rope IPS, IWRC.....	36.82	4.87
For <100, Add	9.63	
For >500 To 1,000, Deduct	-1.84	
For >1,000 To 2,000, Deduct	-2.76	
For >2,000, Deduct	-3.68	
For 7x19 Strand Core, Add	4.11	
For Heavy Duty IWRC Rating, Add	5.14	
For 7x19 Galvanized, Add	11.30	
05 15 16 00-0049 LF 2" Diameter 6x19 Class Bright Wire Rope IPS, IWRC.....	42.29	5.62
For <100, Add	11.06	
For >500 To 1,000, Deduct	-2.11	
For >1,000 To 2,000, Deduct	-3.17	
For >2,000, Deduct	-4.23	
For 7x19 Strand Core, Add	4.72	
For Heavy Duty IWRC Rating, Add	5.90	
For 7x19 Galvanized, Add	12.97	
05 15 16 00-0050 LF 2-1/8" Diameter 6x19 Class Bright Wire Rope IPS, IWRC.....	47.62	6.27
For <100, Add	12.51	
For >500 To 1,000, Deduct	-2.38	
For >1,000 To 2,000, Deduct	-3.57	
For >2,000, Deduct	-4.76	
For 7x19 Strand Core, Add	5.37	
For Heavy Duty IWRC Rating, Add	6.71	
For 7x19 Galvanized, Add	14.76	
05 15 16 00-0051 LF 2-1/4" Diameter 6x19 Class Bright Wire Rope IPS, IWRC.....	53.99	7.02
For <100, Add	14.22	
For >500 To 1,000, Deduct	-2.70	
For >1,000 To 2,000, Deduct	-4.05	
For >2,000, Deduct	-5.40	
For 7x19 Strand Core, Add	6.12	
For Heavy Duty IWRC Rating, Add	7.65	
For 7x19 Galvanized, Add	16.83	
05 15 16 00-0052 6x37 Class Bright, Improved Plow Steel (IPS), Independent Wire Rope Core (IWRC) (05 15 16)		
05 15 16 00-0053 LF 1/4" Diameter 6x37 Class Bright Wire Rope IPS, IWRC.....	1.87	0.09
For <100, Add	0.61	
For >500 To 1,000, Deduct	-0.09	
For >1,000 To 2,000, Deduct	-0.14	
For >2,000, Deduct	-0.19	
For Extra Improved Plow Steel (XIPS) Wire, Add	0.05	
05 15 16 00-0054 LF 5/16" Diameter 6x37 Class Bright Wire Rope IPS, IWRC.....	2.23	0.09
For <100, Add	0.72	
For >500 To 1,000, Deduct	-0.11	
For >1,000 To 2,000, Deduct	-0.17	
For >2,000, Deduct	-0.22	
For Extra Improved Plow Steel (XIPS) Wire, Add	0.05	
05 15 16 00-0055 LF 3/8" Diameter 6x37 Class Bright Wire Rope IPS, IWRC.....	2.69	0.18
For <100, Add	0.85	
For >500 To 1,000, Deduct	-0.13	
For >1,000 To 2,000, Deduct	-0.20	
For >2,000, Deduct	-0.27	
For Extra Improved Plow Steel (XIPS) Wire, Add	0.06	
05 15 16 00-0056 LF 7/16" Diameter 6x37 Class Bright Wire Rope IPS, IWRC.....	3.11	0.18
For <100, Add	0.96	
For >500 To 1,000, Deduct	-0.16	
For >1,000 To 2,000, Deduct	-0.23	
For >2,000, Deduct	-0.31	
For Extra Improved Plow Steel (XIPS) Wire, Add	0.07	
05 15 16 00-0057 LF 1/2" Diameter 6x37 Class Bright Wire Rope IPS, IWRC.....	3.64	0.27
For <100, Add	1.11	
For >500 To 1,000, Deduct	-0.18	
For >1,000 To 2,000, Deduct	-0.27	
For >2,000, Deduct	-0.36	
For Extra Improved Plow Steel (XIPS) Wire, Add	0.09	
05 15 16 00-0058 LF 9/16" Diameter 6x37 Class Bright Wire Rope IPS, IWRC.....	4.22	0.36
For <100, Add	1.27	
For >500 To 1,000, Deduct	-0.21	
For >1,000 To 2,000, Deduct	-0.32	
For >2,000, Deduct	-0.42	
For Extra Improved Plow Steel (XIPS) Wire, Add	0.10	
05 15 16 00-0059 LF 5/8" Diameter 6x37 Class Bright Wire Rope IPS, IWRC.....	4.81	0.36
For <100, Add	1.42	
For >500 To 1,000, Deduct	-0.24	
For >1,000 To 2,000, Deduct	-0.36	
For >2,000, Deduct	-0.48	
For Extra Improved Plow Steel (XIPS) Wire, Add	0.11	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 15 16 00-0060	LF		3/4" Diameter 6x37 Class Bright Wire Rope IPS, IWRC.....	6.44	0.62
			For <100, Add	1.88	
			For >500 To 1,000, Deduct	-0.32	
			For >1,000 To 2,000, Deduct	-0.48	
			For >2,000, Deduct	-0.64	
			For Extra Improved Plow Steel (XIPS) Wire, Add	0.15	
05 15 16 00-0061	LF		7/8" Diameter 6x37 Class Bright Wire Rope IPS, IWRC.....	8.33	0.71
			For <100, Add	2.40	
			For >500 To 1,000, Deduct	-0.42	
			For >1,000 To 2,000, Deduct	-0.62	
			For >2,000, Deduct	-0.83	
			For Extra Improved Plow Steel (XIPS) Wire, Add	0.20	
05 15 16 00-0062	LF		1" Diameter 6x37 Class Bright Wire Rope IPS, IWRC.....	10.49	0.99
			For <100, Add	3.01	
			For >500 To 1,000, Deduct	-0.52	
			For >1,000 To 2,000, Deduct	-0.79	
			For >2,000, Deduct	-1.05	
			For Extra Improved Plow Steel (XIPS) Wire, Add	0.25	
05 15 16 00-0063	LF		1-1/8" Diameter 6x37 Class Bright Wire Rope IPS, IWRC.....	13.03	1.25
			For <100, Add	3.71	
			For >500 To 1,000, Deduct	-0.65	
			For >1,000 To 2,000, Deduct	-0.98	
			For >2,000, Deduct	-1.30	
			For Extra Improved Plow Steel (XIPS) Wire, Add	0.30	
05 15 16 00-0064	LF		1-1/4" Diameter 6x37 Class Bright Wire Rope IPS, IWRC.....	15.54	1.52
			For <100, Add	4.42	
			For >500 To 1,000, Deduct	-0.78	
			For >1,000 To 2,000, Deduct	-1.17	
			For >2,000, Deduct	-1.55	
			For Extra Improved Plow Steel (XIPS) Wire, Add	0.36	
05 15 16 00-0065	LF		1-3/8" Diameter 6x37 Class Bright Wire Rope IPS, IWRC.....	18.44	1.88
			For <100, Add	5.20	
			For >500 To 1,000, Deduct	-0.92	
			For >1,000 To 2,000, Deduct	-1.38	
			For >2,000, Deduct	-1.84	
			For Extra Improved Plow Steel (XIPS) Wire, Add	0.43	
05 15 16 00-0066	LF		1-1/2" Diameter 6x37 Class Bright Wire Rope IPS, IWRC.....	21.94	2.23
			For <100, Add	6.19	
			For >500 To 1,000, Deduct	-1.10	
			For >1,000 To 2,000, Deduct	-1.65	
			For >2,000, Deduct	-2.19	
			For Extra Improved Plow Steel (XIPS) Wire, Add	0.51	
05 15 16 00-0067	LF		1-5/8" Diameter 6x37 Class Bright Wire Rope IPS, IWRC.....	26.34	2.69
			For <100, Add	7.43	
			For >500 To 1,000, Deduct	-1.32	
			For >1,000 To 2,000, Deduct	-1.98	
			For >2,000, Deduct	-2.63	
			For Extra Improved Plow Steel (XIPS) Wire, Add	0.61	
05 15 16 00-0068	LF		1-3/4" Diameter 6x37 Class Bright Wire Rope IPS, IWRC.....	35.00	4.31
			For <100, Add	9.37	
			For >500 To 1,000, Deduct	-1.75	
			For >1,000 To 2,000, Deduct	-2.63	
			For >2,000, Deduct	-3.50	
			For Extra Improved Plow Steel (XIPS) Wire, Add	0.80	
05 15 16 00-0069	LF		1-7/8" Diameter 6x37 Class Bright Wire Rope IPS, IWRC.....	40.45	4.87
			For <100, Add	10.90	
			For >500 To 1,000, Deduct	-2.02	
			For >1,000 To 2,000, Deduct	-3.03	
			For >2,000, Deduct	-4.05	
			For Extra Improved Plow Steel (XIPS) Wire, Add	0.93	
05 15 16 00-0070	LF		2" Diameter 6x37 Class Bright Wire Rope IPS, IWRC.....	46.15	5.62
			For <100, Add	12.41	
			For >500 To 1,000, Deduct	-2.31	
			For >1,000 To 2,000, Deduct	-3.46	
			For >2,000, Deduct	-4.62	
			For Extra Improved Plow Steel (XIPS) Wire, Add	1.06	
05 15 16 00-0071	LF		2-1/8" Diameter 6x37 Class Bright Wire Rope IPS, IWRC.....	52.02	6.27
			For <100, Add	14.05	
			For >500 To 1,000, Deduct	-2.60	
			For >1,000 To 2,000, Deduct	-3.90	
			For >2,000, Deduct	-5.20	
			For Extra Improved Plow Steel (XIPS) Wire, Add	1.20	
05 15 16 00-0072	LF		2-1/4" Diameter 6x37 Class Bright Wire Rope IPS, IWRC.....	58.71	7.02
			For <100, Add	15.87	
			For >500 To 1,000, Deduct	-2.94	
			For >1,000 To 2,000, Deduct	-4.40	
			For >2,000, Deduct	-5.87	
			For Extra Improved Plow Steel (XIPS) Wire, Add	1.35	
05 15 16 00-0073			6x19 And 6x37 Swaged Wire Rope (05 15 16)		
05 15 16 00-0074	LF		1/2" Diameter 6x19 And 6x37 Swaged Wire Rope	5.13	0.36
			For <100, Add	1.56	
			For >500 To 1,000, Deduct	-0.26	
			For >1,000 To 2,000, Deduct	-0.38	
			For >2,000, Deduct	-0.51	

05 Metals**05 10 Structural Metal Framing****05 15 Wire Rope Assemblies**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 15 16 00-0075	LF		9/16" Diameter 6x19 And 6x37 Swaged Wire Rope	5.76	0.36
			<i>For <100, Add</i>	1.76	
			<i>For >500 To 1,000, Deduct</i>	-0.29	
			<i>For >1,000 To 2,000, Deduct</i>	-0.43	
			<i>For >2,000, Deduct</i>	-0.58	
05 15 16 00-0076	LF		5/8" Diameter 6x19 And 6x37 Swaged Wire Rope	7.12	0.44
			<i>For <100, Add</i>	2.18	
			<i>For >500 To 1,000, Deduct</i>	-0.36	
			<i>For >1,000 To 2,000, Deduct</i>	-0.53	
			<i>For >2,000, Deduct</i>	-0.71	
05 15 16 00-0077	LF		3/4" Diameter 6x19 And 6x37 Swaged Wire Rope	8.80	0.71
			<i>For <100, Add</i>	2.63	
			<i>For >500 To 1,000, Deduct</i>	-0.44	
			<i>For >1,000 To 2,000, Deduct</i>	-0.66	
			<i>For >2,000, Deduct</i>	-0.88	
05 15 16 00-0078	LF		7/8" Diameter 6x19 And 6x37 Swaged Wire Rope	10.96	0.90
			<i>For <100, Add</i>	3.24	
			<i>For >500 To 1,000, Deduct</i>	-0.55	
			<i>For >1,000 To 2,000, Deduct</i>	-0.82	
			<i>For >2,000, Deduct</i>	-1.10	
05 15 16 00-0079	LF		1" Diameter 6x19 And 6x37 Swaged Wire Rope	13.57	1.17
			<i>For <100, Add</i>	3.96	
			<i>For >500 To 1,000, Deduct</i>	-0.68	
			<i>For >1,000 To 2,000, Deduct</i>	-1.02	
			<i>For >2,000, Deduct</i>	-1.36	
05 15 16 00-0080	LF		1-1/8" Diameter 6x19 And 6x37 Swaged Wire Rope	17.07	1.52
			<i>For <100, Add</i>	4.97	
			<i>For >500 To 1,000, Deduct</i>	-0.85	
			<i>For >1,000 To 2,000, Deduct</i>	-1.28	
			<i>For >2,000, Deduct</i>	-1.71	
05 15 16 00-0081	LF		1-1/4" Diameter 6x19 And 6x37 Swaged Wire Rope	20.42	1.88
			<i>For <100, Add</i>	5.90	
			<i>For >500 To 1,000, Deduct</i>	-1.02	
			<i>For >1,000 To 2,000, Deduct</i>	-1.53	
			<i>For >2,000, Deduct</i>	-2.04	
05 15 16 00-0082	LF		1-3/8" Diameter 6x19 And 6x37 Swaged Wire Rope	23.98	2.23
			<i>For <100, Add</i>	6.89	
			<i>For >500 To 1,000, Deduct</i>	-1.20	
			<i>For >1,000 To 2,000, Deduct</i>	-1.80	
			<i>For >2,000, Deduct</i>	-2.40	
05 15 16 00-0083	LF		1-1/2" Diameter 6x19 And 6x37 Swaged Wire Rope	32.32	3.74
			<i>For <100, Add</i>	8.82	
			<i>For >500 To 1,000, Deduct</i>	-1.62	
			<i>For >1,000 To 2,000, Deduct</i>	-2.42	
			<i>For >2,000, Deduct</i>	-3.23	
05 15 16 00-0084			Flattened Strand Wire Rope, Improved Plow Steel (IPS), Fiber Core <small>(05 15 16)</small>	6.59	0.36
05 15 16 00-0085	LF		5/8" Diameter Flattened Strand Wire Rope IPS, Fiber Core	6.59	0.36
			<i>For <100, Add</i>	2.05	
			<i>For >500 To 1,000, Deduct</i>	-0.33	
			<i>For >1,000 To 2,000, Deduct</i>	-0.49	
			<i>For >2,000, Deduct</i>	-0.66	
05 15 16 00-0086	LF		3/4" Diameter Flattened Strand Wire Rope IPS, Fiber Core	8.92	0.53
			<i>For <100, Add</i>	2.76	
			<i>For >500 To 1,000, Deduct</i>	-0.45	
			<i>For >1,000 To 2,000, Deduct</i>	-0.67	
			<i>For >2,000, Deduct</i>	-0.89	
05 15 16 00-0087	LF		7/8" Diameter Flattened Strand Wire Rope IPS, Fiber Core	11.30	0.71
			<i>For <100, Add</i>	3.46	
			<i>For >500 To 1,000, Deduct</i>	-0.57	
			<i>For >1,000 To 2,000, Deduct</i>	-0.85	
			<i>For >2,000, Deduct</i>	-1.13	
05 15 16 00-0088	LF		1" Diameter Flattened Strand Wire Rope IPS, Fiber Core	13.84	0.99
			<i>For <100, Add</i>	4.20	
			<i>For >500 To 1,000, Deduct</i>	-0.69	
			<i>For >1,000 To 2,000, Deduct</i>	-1.04	
			<i>For >2,000, Deduct</i>	-1.38	
05 15 16 00-0089	LF		1-1/8" Diameter Flattened Strand Wire Rope IPS, Fiber Core	16.79	1.25
			<i>For <100, Add</i>	5.05	
			<i>For >500 To 1,000, Deduct</i>	-0.84	
			<i>For >1,000 To 2,000, Deduct</i>	-1.26	
			<i>For >2,000, Deduct</i>	-1.68	
05 15 16 00-0090	LF		1-1/4" Diameter Flattened Strand Wire Rope IPS, Fiber Core	20.32	1.52
			<i>For <100, Add</i>	6.10	
			<i>For >500 To 1,000, Deduct</i>	-1.02	
			<i>For >1,000 To 2,000, Deduct</i>	-1.52	
			<i>For >2,000, Deduct</i>	-2.03	
05 15 16 00-0091	LF		1-3/8" Diameter Flattened Strand Wire Rope IPS, Fiber Core	24.51	1.79
			<i>For <100, Add</i>	7.36	
			<i>For >500 To 1,000, Deduct</i>	-1.23	
			<i>For >1,000 To 2,000, Deduct</i>	-1.84	
			<i>For >2,000, Deduct</i>	-2.45	



Metals	05	05
Structural Metal Framing	05 10	
Wire Rope Assemblies	05 15	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 15 16 00-0092	LF		1-1/2" Diameter Flattened Strand Wire Rope IPS, Fiber Core.....	30.03	2.23
			<i>For <100, Add</i>	9.05	
			<i>For >500 To 1,000, Deduct</i>	-1.50	
			<i>For >1,000 To 2,000, Deduct</i>	-2.25	
			<i>For >2,000, Deduct</i>	-3.00	
05 15 16 00-0093	LF		1-5/8" Diameter Flattened Strand Wire Rope IPS, Fiber Core.....	35.83	2.60
			<i>For <100, Add</i>	10.84	
			<i>For >500 To 1,000, Deduct</i>	-1.79	
			<i>For >1,000 To 2,000, Deduct</i>	-2.69	
			<i>For >2,000, Deduct</i>	-3.58	
05 15 16 00-0094	LF		1-3/4" Diameter Flattened Strand Wire Rope IPS, Fiber Core.....	45.93	4.12
			<i>For <100, Add</i>	13.35	
			<i>For >500 To 1,000, Deduct</i>	-2.30	
			<i>For >1,000 To 2,000, Deduct</i>	-3.44	
			<i>For >2,000, Deduct</i>	-4.59	
05 15 16 00-0095			Flattened Strand Wire Rope, Extra Improved Plow Steel (XIPS), Independent Wire Rope Core (IWRC) <small>(05 15 16)</small>		
05 15 16 00-0096	LF		5/8" Diameter Flattened Strand Wire Rope XIPS, IWRC.....	6.66	0.36
			<i>For <100, Add</i>	2.07	
			<i>For >500 To 1,000, Deduct</i>	-0.33	
			<i>For >1,000 To 2,000, Deduct</i>	-0.50	
			<i>For >2,000, Deduct</i>	-0.67	
05 15 16 00-0097	LF		3/4" Diameter Flattened Strand Wire Rope XIPS, IWRC.....	9.00	0.62
			<i>For <100, Add</i>	2.77	
			<i>For >500 To 1,000, Deduct</i>	-0.45	
			<i>For >1,000 To 2,000, Deduct</i>	-0.68	
			<i>For >2,000, Deduct</i>	-0.90	
05 15 16 00-0098	LF		7/8" Diameter Flattened Strand Wire Rope XIPS, IWRC.....	11.43	0.80
			<i>For <100, Add</i>	3.48	
			<i>For >500 To 1,000, Deduct</i>	-0.57	
			<i>For >1,000 To 2,000, Deduct</i>	-0.86	
			<i>For >2,000, Deduct</i>	-1.14	
05 15 16 00-0099	LF		1" Diameter Flattened Strand Wire Rope XIPS, IWRC.....	14.00	0.99
			<i>For <100, Add</i>	4.22	
			<i>For >500 To 1,000, Deduct</i>	-0.70	
			<i>For >1,000 To 2,000, Deduct</i>	-1.05	
			<i>For >2,000, Deduct</i>	-1.40	
05 15 16 00-0100	LF		1-1/8" Diameter Flattened Strand Wire Rope XIPS, IWRC.....	16.96	1.25
			<i>For <100, Add</i>	5.08	
			<i>For >500 To 1,000, Deduct</i>	-0.85	
			<i>For >1,000 To 2,000, Deduct</i>	-1.27	
			<i>For >2,000, Deduct</i>	-1.70	
05 15 16 00-0101	LF		1-1/4" Diameter Flattened Strand Wire Rope XIPS, IWRC.....	20.57	1.61
			<i>For <100, Add</i>	6.14	
			<i>For >500 To 1,000, Deduct</i>	-1.03	
			<i>For >1,000 To 2,000, Deduct</i>	-1.54	
			<i>For >2,000, Deduct</i>	-2.06	
05 15 16 00-0102	LF		1-3/8" Diameter Flattened Strand Wire Rope XIPS, IWRC.....	24.83	1.97
			<i>For <100, Add</i>	7.41	
			<i>For >500 To 1,000, Deduct</i>	-1.24	
			<i>For >1,000 To 2,000, Deduct</i>	-1.86	
			<i>For >2,000, Deduct</i>	-2.48	
05 15 16 00-0103	LF		1-1/2" Diameter Flattened Strand Wire Rope XIPS, IWRC.....	30.34	2.32
			<i>For <100, Add</i>	9.10	
			<i>For >500 To 1,000, Deduct</i>	-1.52	
			<i>For >1,000 To 2,000, Deduct</i>	-2.28	
			<i>For >2,000, Deduct</i>	-3.03	
05 15 16 00-0104	LF		1-5/8" Diameter Flattened Strand Wire Rope XIPS, IWRC.....	39.79	3.74
			<i>For <100, Add</i>	11.43	
			<i>For >500 To 1,000, Deduct</i>	-1.99	
			<i>For >1,000 To 2,000, Deduct</i>	-2.98	
			<i>For >2,000, Deduct</i>	-3.98	
05 15 16 00-0105	LF		1-3/4" Diameter Flattened Strand Wire Rope XIPS, IWRC.....	47.29	4.49
			<i>For <100, Add</i>	13.56	
			<i>For >500 To 1,000, Deduct</i>	-2.36	
			<i>For >1,000 To 2,000, Deduct</i>	-3.55	
			<i>For >2,000, Deduct</i>	-4.73	
05 15 16 00-0106			5x19 Coated Wire Rope, Bright, Improved Plow Steel (IPS), Fiber Core <small>(05 15 16)</small>		
05 15 16 00-0107	LF		9/16" Diameter 5x19 Bright, Coated Wire Rope IPS, Fiber Core With 1/4" Wire.....	4.80	0.09
			<i>For <100, Add</i>	1.61	
			<i>For >500 To 1,000, Deduct</i>	-0.24	
			<i>For >1,000 To 2,000, Deduct</i>	-0.36	
			<i>For >2,000, Deduct</i>	-0.48	
05 15 16 00-0108	LF		5/8" Diameter 5x19 Bright, Coated Wire Rope IPS, Fiber Core With 1/4" Wire.....	5.41	0.18
			<i>For <100, Add</i>	1.79	
			<i>For >500 To 1,000, Deduct</i>	-0.27	
			<i>For >1,000 To 2,000, Deduct</i>	-0.41	
			<i>For >2,000, Deduct</i>	-0.54	

05 Metals**05 10 Structural Metal Framing****05 15 Wire Rope Assemblies**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 15 16 00-0109 LF 11/16" Diameter 5x19 Bright, Coated Wire Rope IPS, Fiber Core With 1/4" Wire .....5.88		0.18
For <100, Add	1.93	
For >500 To 1,000, Deduct	-0.29	
For >1,000 To 2,000, Deduct	-0.44	
For >2,000, Deduct	-0.59	
05 15 16 00-0110 LF 3/4" Diameter 5x19 Bright, Coated Wire Rope IPS, Fiber Core With 1/4" Wire .....6.52		0.18
For <100, Add	2.13	
For >500 To 1,000, Deduct	-0.33	
For >1,000 To 2,000, Deduct	-0.49	
For >2,000, Deduct	-0.65	
05 15 16 00-0111 LF 13/16" Diameter 5x19 Bright, Coated Wire Rope IPS, Fiber Core With 1/4" Wire .....7.21		0.27
For <100, Add	2.34	
For >500 To 1,000, Deduct	-0.36	
For >1,000 To 2,000, Deduct	-0.54	
For >2,000, Deduct	-0.72	
05 15 16 00-0112 LF 7/8" Diameter 5x19 Bright, Coated Wire Rope IPS, Fiber Core With 1/4" Wire .....7.85		0.36
For <100, Add	2.52	
For >500 To 1,000, Deduct	-0.39	
For >1,000 To 2,000, Deduct	-0.59	
For >2,000, Deduct	-0.79	
05 15 16 00-0113 LF 1" Diameter 5x19 Bright, Coated Wire Rope IPS, Fiber Core With 1/4" Wire .....9.53		0.44
For <100, Add	3.04	
For >500 To 1,000, Deduct	-0.48	
For >1,000 To 2,000, Deduct	-0.71	
For >2,000, Deduct	-0.95	
05 15 16 00-0114 LF 1-1/8" Diameter 5x19 Bright, Coated Wire Rope IPS, Fiber Core With 1/4" Wire .....11.72		0.62
For <100, Add	3.70	
For >500 To 1,000, Deduct	-0.59	
For >1,000 To 2,000, Deduct	-0.88	
For >2,000, Deduct	-1.17	
05 15 16 00-0115 LF 1-1/4" Diameter 5x19 Bright, Coated Wire Rope IPS, Fiber Core With 1/4" Wire .....13.80		0.71
For <100, Add	4.36	
For >500 To 1,000, Deduct	-0.69	
For >1,000 To 2,000, Deduct	-1.04	
For >2,000, Deduct	-1.38	
05 15 16 00-0116 LF 1-3/8" Diameter 5x19 Bright, Coated Wire Rope IPS, Fiber Core With 1/4" Wire .....16.52		0.90
For <100, Add	5.17	
For >500 To 1,000, Deduct	-0.83	
For >1,000 To 2,000, Deduct	-1.24	
For >2,000, Deduct	-1.65	
05 15 16 00-0117 LF 1-1/2" Diameter 5x19 Bright, Coated Wire Rope IPS, Fiber Core With 1/4" Wire .....19.39		1.17
For <100, Add	6.03	
For >500 To 1,000, Deduct	-0.97	
For >1,000 To 2,000, Deduct	-1.45	
For >2,000, Deduct	-1.94	
05 15 16 00-0118 LF 1-5/8" Diameter 5x19 Bright, Coated Wire Rope IPS, Fiber Core With 1/4" Wire .....22.84		1.43
For <100, Add	7.06	
For >500 To 1,000, Deduct	-1.14	
For >1,000 To 2,000, Deduct	-1.71	
For >2,000, Deduct	-2.28	
05 15 16 00-0119 LF 1-3/4" Diameter 5x19 Bright, Coated Wire Rope IPS, Fiber Core With 1/4" Wire .....27.29		1.70
For <100, Add	8.43	
For >500 To 1,000, Deduct	-1.36	
For >1,000 To 2,000, Deduct	-2.05	
For >2,000, Deduct	-2.73	
05 15 16 00-0120 19x7 Rotation Resistant, Improved Plow Steel (IPS) Wire Rope (05 15 16) .....1.46		0.09
05 15 16 00-0121 LF 3/16" Diameter 19x7 Rotation Resistant, Improved Plow Steel (IPS) Wire Rope .....1.46		0.09
For <100, Add	0.47	
For >500 To 1,000, Deduct	-0.07	
For >1,000 To 2,000, Deduct	-0.11	
For >2,000, Deduct	-0.15	
05 15 16 00-0122 LF 1/4" Diameter 19x7 Rotation Resistant, Improved Plow Steel (IPS) Wire Rope .....1.72		0.09
For <100, Add	0.56	
For >500 To 1,000, Deduct	-0.09	
For >1,000 To 2,000, Deduct	-0.13	
For >2,000, Deduct	-0.17	
05 15 16 00-0123 LF 5/16" Diameter 19x7 Rotation Resistant, Improved Plow Steel (IPS) Wire Rope .....2.16		0.09
For <100, Add	0.69	
For >500 To 1,000, Deduct	-0.11	
For >1,000 To 2,000, Deduct	-0.16	
For >2,000, Deduct	-0.22	
05 15 16 00-0124 LF 3/8" Diameter 19x7 Rotation Resistant, Improved Plow Steel (IPS) Wire Rope .....2.42		0.18
For <100, Add	0.76	
For >500 To 1,000, Deduct	-0.12	
For >1,000 To 2,000, Deduct	-0.18	
For >2,000, Deduct	-0.24	
05 15 16 00-0125 LF 7/16" Diameter 19x7 Rotation Resistant, Improved Plow Steel (IPS) Wire Rope .....2.85		0.18
For <100, Add	0.87	
For >500 To 1,000, Deduct	-0.14	
For >1,000 To 2,000, Deduct	-0.21	
For >2,000, Deduct	-0.29	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 15 16 00-0126	LF		1/2" Diameter 19x7 Rotation Resistant, Improved Plow Steel (IPS) Wire Rope <i>For <100, Add</i> <i>For >500 To 1,000, Deduct</i> <i>For >1,000 To 2,000, Deduct</i> <i>For >2,000, Deduct</i>	3.08 0.95 -0.15 -0.23 -0.31	0.18
05 15 16 00-0127	LF		9/16" Diameter 19x7 Rotation Resistant, Improved Plow Steel (IPS) Wire Rope <i>For <100, Add</i> <i>For >500 To 1,000, Deduct</i> <i>For >1,000 To 2,000, Deduct</i> <i>For >2,000, Deduct</i>	3.78 1.12 -0.19 -0.28 -0.38	0.36
05 15 16 00-0128	LF		5/8" Diameter 19x7 Rotation Resistant, Improved Plow Steel (IPS) Wire Rope <i>For <100, Add</i> <i>For >500 To 1,000, Deduct</i> <i>For >1,000 To 2,000, Deduct</i> <i>For >2,000, Deduct</i>	4.50 1.32 -0.23 -0.34 -0.45	0.36
05 15 16 00-0129	LF		3/4" Diameter 19x7 Rotation Resistant, Improved Plow Steel (IPS) Wire Rope <i>For <100, Add</i> <i>For >500 To 1,000, Deduct</i> <i>For >1,000 To 2,000, Deduct</i> <i>For >2,000, Deduct</i>	6.54 1.93 -0.33 -0.49 -0.65	0.53
05 15 16 00-0130	LF		7/8" Diameter 19x7 Rotation Resistant, Improved Plow Steel (IPS) Wire Rope <i>For <100, Add</i> <i>For >500 To 1,000, Deduct</i> <i>For >1,000 To 2,000, Deduct</i> <i>For >2,000, Deduct</i>	8.52 2.48 -0.43 -0.64 -0.85	0.71
05 15 16 00-0131	LF		1" Diameter 19x7 Rotation Resistant, Improved Plow Steel (IPS) Wire Rope <i>For <100, Add</i> <i>For >500 To 1,000, Deduct</i> <i>For >1,000 To 2,000, Deduct</i> <i>For >2,000, Deduct</i>	10.65 3.08 -0.53 -0.80 -1.07	0.99
05 15 16 00-0132	LF		1-1/8" Diameter 19x7 Rotation Resistant, Improved Plow Steel (IPS) Wire Rope <i>For <100, Add</i> <i>For >500 To 1,000, Deduct</i> <i>For >1,000 To 2,000, Deduct</i> <i>For >2,000, Deduct</i>	13.07 3.74 -0.65 -0.98 -1.31	1.25
05 15 16 00-0133	LF		1-1/4" Diameter 19x7 Rotation Resistant, Improved Plow Steel (IPS) Wire Rope <i>For <100, Add</i> <i>For >500 To 1,000, Deduct</i> <i>For >1,000 To 2,000, Deduct</i> <i>For >2,000, Deduct</i>	15.77 4.50 -0.79 -1.18 -1.58	1.52
05 15 16 00-0134	LF		1-3/8" Diameter 19x7 Rotation Resistant, Improved Plow Steel (IPS) Wire Rope <i>For <100, Add</i> <i>For >500 To 1,000, Deduct</i> <i>For >1,000 To 2,000, Deduct</i> <i>For >2,000, Deduct</i>	18.71 5.31 -0.94 -1.40 -1.87	1.88
05 15 16 00-0135	LF		1-1/2" Diameter 19x7 Rotation Resistant, Improved Plow Steel (IPS) Wire Rope <i>For <100, Add</i> <i>For >500 To 1,000, Deduct</i> <i>For >1,000 To 2,000, Deduct</i> <i>For >2,000, Deduct</i>	21.73 6.14 -1.09 -1.63 -2.17	2.23
05 15 16 00-0136			8x19 Class Bright, Rotation Resistant, Extra Improved Plow Steel (XIPS), Independent Wire Rope Core (IWRC) <small>(05 15 16)</small>		
05 15 16 00-0137	LF		3/8" Diameter 8x19 Rotation Resistant Wire Rope XIPS, IWRC, Class Bright <i>For <100, Add</i> <i>For >500 To 1,000, Deduct</i> <i>For >1,000 To 2,000, Deduct</i> <i>For >2,000, Deduct</i>	2.57 0.81 -0.13 -0.19 -0.26	0.18
05 15 16 00-0138	LF		7/16" Diameter 8x19 Rotation Resistant Wire Rope XIPS, IWRC, Class Bright <i>For <100, Add</i> <i>For >500 To 1,000, Deduct</i> <i>For >1,000 To 2,000, Deduct</i> <i>For >2,000, Deduct</i>	3.03 0.93 -0.15 -0.23 -0.30	0.18
05 15 16 00-0139	LF		1/2" Diameter 8x19 Rotation Resistant Wire Rope XIPS, IWRC, Class Bright <i>For <100, Add</i> <i>For >500 To 1,000, Deduct</i> <i>For >1,000 To 2,000, Deduct</i> <i>For >2,000, Deduct</i>	3.50 1.06 -0.18 -0.26 -0.35	0.27
05 15 16 00-0140	LF		9/16" Diameter 8x19 Rotation Resistant Wire Rope XIPS, IWRC, Class Bright <i>For <100, Add</i> <i>For >500 To 1,000, Deduct</i> <i>For >1,000 To 2,000, Deduct</i> <i>For >2,000, Deduct</i>	4.11 1.22 -0.21 -0.31 -0.41	0.36
05 15 16 00-0141	LF		5/8" Diameter 8x19 Rotation Resistant Wire Rope XIPS, IWRC, Class Bright <i>For <100, Add</i> <i>For >500 To 1,000, Deduct</i> <i>For >1,000 To 2,000, Deduct</i> <i>For >2,000, Deduct</i>	4.79 1.41 -0.24 -0.36 -0.48	0.36
05 15 16 00-0142	LF		3/4" Diameter 8x19 Rotation Resistant Wire Rope XIPS, IWRC, Class Bright <i>For <100, Add</i> <i>For >500 To 1,000, Deduct</i> <i>For >1,000 To 2,000, Deduct</i> <i>For >2,000, Deduct</i>	6.78 1.99 -0.34 -0.51 -0.68	0.62

05 Metals**05 10 Structural Metal Framing****05 15 Wire Rope Assemblies**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 15 16 00-0143	LF		7/8" Diameter 8x19 Rotation Resistant Wire Rope XIPS, IWRC, Class Bright	8.96	0.71
			For <100, Add	2.62	
			For >500 To 1,000, Deduct	-0.45	
			For >1,000 To 2,000, Deduct	-0.67	
			For >2,000, Deduct	-0.90	
05 15 16 00-0144	LF		1" Diameter 8x19 Rotation Resistant Wire Rope XIPS, IWRC, Class Bright	11.26	0.99
			For <100, Add	3.27	
			For >500 To 1,000, Deduct	-0.56	
			For >1,000 To 2,000, Deduct	-0.84	
			For >2,000, Deduct	-1.13	
05 15 16 00-0145	LF		1-1/8" Diameter 8x19 Rotation Resistant Wire Rope XIPS, IWRC, Class Bright	13.74	1.25
			For <100, Add	3.96	
			For >500 To 1,000, Deduct	-0.69	
			For >1,000 To 2,000, Deduct	-1.03	
			For >2,000, Deduct	-1.37	
05 15 16 00-0146	LF		1-1/4" Diameter 8x19 Rotation Resistant Wire Rope XIPS, IWRC, Class Bright	16.43	1.52
			For <100, Add	4.70	
			For >500 To 1,000, Deduct	-0.82	
			For >1,000 To 2,000, Deduct	-1.23	
			For >2,000, Deduct	-1.64	
05 15 16 00-0147	LF		1-3/8" Diameter 8x19 Rotation Resistant Wire Rope XIPS, IWRC, Class Bright	19.85	1.97
			For <100, Add	5.67	
			For >500 To 1,000, Deduct	-0.99	
			For >1,000 To 2,000, Deduct	-1.49	
			For >2,000, Deduct	-1.99	
05 15 16 00-0148	LF		1-1/2" Diameter 8x19 Rotation Resistant Wire Rope XIPS, IWRC, Class Bright	23.73	2.32
			For <100, Add	6.75	
			For >500 To 1,000, Deduct	-1.19	
			For >1,000 To 2,000, Deduct	-1.78	
			For >2,000, Deduct	-2.37	
05 15 16 00-0149			Heavy Duty, Galvanized Steel, Wire Rope Thimbles (05 15 16)		
05 15 16 00-0150	EA		1/4" Diameter, Heavy Duty, Galvanized Steel, Wire Rope Thimble	10.07	2.69
05 15 16 00-0151	EA		5/16" Diameter, Heavy Duty, Galvanized Steel, Wire Rope Thimble	10.77	2.69
05 15 16 00-0152	EA		3/8" Diameter, Heavy Duty, Galvanized Steel, Wire Rope Thimble	11.53	2.69
05 15 16 00-0153	EA		7/16" Diameter, Heavy Duty, Galvanized Steel, Wire Rope Thimble	13.65	2.69
05 15 16 00-0154	EA		1/2" Diameter, Heavy Duty, Galvanized Steel, Wire Rope Thimble	13.66	2.69
05 15 16 00-0155	EA		9/16" Diameter, Heavy Duty, Galvanized Steel, Wire Rope Thimble	13.66	2.69
05 15 16 00-0156	EA		5/8" Diameter, Heavy Duty, Galvanized Steel, Wire Rope Thimble	14.37	2.69
05 15 16 00-0157	EA		3/4" Diameter, Heavy Duty, Galvanized Steel, Wire Rope Thimble	24.85	4.12
05 15 16 00-0158	EA		7/8" Diameter, Heavy Duty, Galvanized Steel, Wire Rope Thimble	29.66	5.01
05 15 16 00-0159	EA		1" Diameter, Heavy Duty, Galvanized Steel, Wire Rope Thimble	51.42	8.23
05 15 16 00-0160	EA		1-1/8" Diameter, Heavy Duty, Galvanized Steel, Wire Rope Thimble	72.59	11.19
05 15 16 00-0161	EA		1-1/4" Diameter, Heavy Duty, Galvanized Steel, Wire Rope Thimble	72.59	11.19
05 15 16 00-0162	EA		1-3/8" Diameter, Heavy Duty, Galvanized Steel, Wire Rope Thimble	145.57	23.36
05 15 16 00-0163	EA		1-1/2" Diameter, Heavy Duty, Galvanized Steel, Wire Rope Thimble	208.55	33.56
05 15 16 00-0164	EA		1-5/8" Diameter, Heavy Duty, Galvanized Steel, Wire Rope Thimble	328.12	37.58
05 15 16 00-0165	EA		1-3/4" Diameter, Heavy Duty, Galvanized Steel, Wire Rope Thimble	388.30	44.75
05 15 16 00-0166	EA		1-7/8" Diameter, Heavy Duty, Galvanized Steel, Wire Rope Thimble	510.82	56.38
05 15 16 00-0167	EA		2" Diameter, Heavy Duty, Galvanized Steel, Wire Rope Thimble	510.82	56.38
05 15 16 00-0168	EA		2-1/4" Diameter, Heavy Duty, Galvanized Steel, Wire Rope Thimble	758.35	89.49
05 15 16 00-0169			Galvanized Steel, Wire Rope Clips (05 15 16)		
05 15 16 00-0170	EA		1/8" Diameter, Galvanized Steel, Wire Rope Clip	11.62	2.69
05 15 16 00-0171	EA		3/16" Diameter, Galvanized Steel, Wire Rope Clip	11.79	2.69
05 15 16 00-0172	EA		1/4" Diameter, Galvanized Steel, Wire Rope Clip	12.92	2.69
05 15 16 00-0173	EA		5/16" Diameter, Galvanized Steel, Wire Rope Clip	13.10	2.69
05 15 16 00-0174	EA		3/8" Diameter, Galvanized Steel, Wire Rope Clip	13.35	2.69
05 15 16 00-0175	EA		7/16" Diameter, Galvanized Steel, Wire Rope Clip	15.78	2.69
05 15 16 00-0176	EA		1/2" Diameter, Galvanized Steel, Wire Rope Clip	15.97	2.69
05 15 16 00-0177	EA		9/16" Diameter, Galvanized Steel, Wire Rope Clip	17.83	2.69
05 15 16 00-0178	EA		5/8" Diameter, Galvanized Steel, Wire Rope Clip	18.08	2.69
05 15 16 00-0179	EA		3/4" Diameter, Galvanized Steel, Wire Rope Clip	25.29	3.58
05 15 16 00-0180	EA		7/8" Diameter, Galvanized Steel, Wire Rope Clip	38.35	5.37
05 15 16 00-0181	EA		1" Diameter, Galvanized Steel, Wire Rope Clip	41.47	5.37
05 15 16 00-0182	EA		1-1/8" Diameter, Galvanized Steel, Wire Rope Clip	49.64	7.15
05 15 16 00-0183	EA		1-1/4" Diameter, Galvanized Steel, Wire Rope Clip	72.26	10.74
05 15 16 00-0184	EA		1-3/8" Diameter, Galvanized Steel, Wire Rope Clip	87.30	11.63
05 15 16 00-0185	EA		1-1/2" Diameter, Galvanized Steel, Wire Rope Clip	95.56	13.42
05 15 16 00-0186	EA		1-5/8" Diameter, Galvanized Steel, Wire Rope Clip	141.55	17.01
05 15 16 00-0187	EA		1-3/4" Diameter, Galvanized Steel, Wire Rope Clip	188.53	22.37
05 15 16 00-0188	EA		2" Diameter, Galvanized Steel, Wire Rope Clip	229.17	29.53
05 15 16 00-0189	EA		2-1/4" Diameter, Galvanized Steel, Wire Rope Clip	310.87	37.58
05 15 16 00-0190	EA		2-1/2" Diameter, Galvanized Steel, Wire Rope Clip	345.36	41.17
05 15 16 00-0191	EA		2-3/4" Diameter, Galvanized Steel, Wire Rope Clip	491.45	50.11
05 15 16 00-0192	EA		3" Diameter, Galvanized Steel, Wire Rope Clip	660.05	74.27
05 15 16 00-0193			Steel, Open Swage Sockets (05 15 16)		
05 15 16 00-0194	EA		1/4" Diameter, Steel, Open Swage Socket	39.51	2.69



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	05 15 16 00-0195	EA		5/16" Diameter, Steel, Open Swage Socket	60.85	2.69
	05 15 16 00-0196	EA		3/8" Diameter, Steel, Open Swage Socket	64.40	3.58
	05 15 16 00-0197	EA		7/16" Diameter, Steel, Open Swage Socket	77.89	4.48
	05 15 16 00-0198	EA		1/2" Diameter, Steel, Open Swage Socket	77.89	4.48
	05 15 16 00-0199	EA		9/16" Diameter, Steel, Open Swage Socket	120.91	9.84
	05 15 16 00-0200	EA		5/8" Diameter, Steel, Open Swage Socket	120.91	9.84
	05 15 16 00-0201	EA		3/4" Diameter, Steel, Open Swage Socket	166.52	18.80
	05 15 16 00-0202	EA		7/8" Diameter, Steel, Open Swage Socket	226.74	26.85
	05 15 16 00-0203	EA		1" Diameter, Steel, Open Swage Socket	326.91	41.17
	05 15 16 00-0204	EA		1-1/8" Diameter, Steel, Open Swage Socket	451.63	64.43
	05 15 16 00-0205	EA		1-1/4" Diameter, Steel, Open Swage Socket	526.15	74.27
	05 15 16 00-0206	EA		1-3/8" Diameter, Steel, Open Swage Socket	706.27	98.43
	05 15 16 00-0207	EA		1-1/2" Diameter, Steel, Open Swage Socket	1,010.53	125.28
	05 15 16 00-0208	EA		1-3/4" Diameter, Steel, Open Swage Socket	1,482.34	152.13
	05 15 16 00-0209	EA		2" Diameter, Steel, Open Swage Socket	2,532.00	295.31
	05 15 16 00-0210			Steel, Closed Swage Sockets (05 15 16)		
	05 15 16 00-0211	EA		1/4" Diameter, Steel, Closed Swage Socket	32.71	2.69
	05 15 16 00-0212	EA		5/16" Diameter, Steel, Closed Swage Socket	42.60	2.69
	05 15 16 00-0213	EA		3/8" Diameter, Steel, Closed Swage Socket	42.60	2.69
	05 15 16 00-0214	EA		7/16" Diameter, Steel, Closed Swage Socket	53.96	3.58
	05 15 16 00-0215	EA		1/2" Diameter, Steel, Closed Swage Socket	54.95	3.58
	05 15 16 00-0216	EA		9/16" Diameter, Steel, Closed Swage Socket	78.94	6.27
	05 15 16 00-0217	EA		5/8" Diameter, Steel, Closed Swage Socket	83.20	7.15
	05 15 16 00-0218	EA		3/4" Diameter, Steel, Closed Swage Socket	107.08	11.63
	05 15 16 00-0219	EA		7/8" Diameter, Steel, Closed Swage Socket	142.88	17.01
	05 15 16 00-0220	EA		1" Diameter, Steel, Closed Swage Socket	204.06	23.26
	05 15 16 00-0221	EA		1-1/8" Diameter, Steel, Closed Swage Socket	258.80	32.22
	05 15 16 00-0222	EA		1-1/4" Diameter, Steel, Closed Swage Socket	364.40	50.11
	05 15 16 00-0223	EA		1-3/8" Diameter, Steel, Closed Swage Socket	476.46	64.43
	05 15 16 00-0224	EA		1-1/2" Diameter, Steel, Closed Swage Socket	657.63	89.49
	05 15 16 00-0225	EA		1-3/4" Diameter, Steel, Closed Swage Socket	888.98	116.33
	05 15 16 00-0226	EA		2" Diameter, Steel, Closed Swage Socket	1,568.85	178.97
	05 15 16 00-0227			Galvanized Steel, Open Spelter Sockets (05 15 16)		
	05 15 16 00-0228	EA		1/4" Galvanized Steel, Open Spelter Socket	62.95	2.69
	05 15 16 00-0229	EA		5/16" Galvanized Steel, Open Spelter Socket	65.95	2.69
	05 15 16 00-0230	EA		3/8" Galvanized Steel, Open Spelter Socket	65.95	2.69
	05 15 16 00-0231	EA		7/16" Galvanized Steel, Open Spelter Socket	77.73	5.37
	05 15 16 00-0232	EA		1/2" Galvanized Steel, Open Spelter Socket	77.73	5.37
	05 15 16 00-0233	EA		9/16" Galvanized Steel, Open Spelter Socket	106.45	8.95
	05 15 16 00-0234	EA		5/8" Galvanized Steel, Open Spelter Socket	106.45	8.95
	05 15 16 00-0235	EA		3/4" Galvanized Steel, Open Spelter Socket	227.75	13.42
	05 15 16 00-0236	EA		7/8" Galvanized Steel, Open Spelter Socket	213.17	22.37
	05 15 16 00-0237	EA		1" Galvanized Steel, Open Spelter Socket	374.41	34.90
	05 15 16 00-0238	EA		1-1/8" Galvanized Steel, Open Spelter Socket	472.87	56.38
	05 15 16 00-0239	EA		1-1/4" Galvanized Steel, Open Spelter Socket	636.99	74.27
	05 15 16 00-0240	EA		1-3/8" Galvanized Steel, Open Spelter Socket	636.99	74.27
	05 15 16 00-0241	EA		1-1/2" Galvanized Steel, Open Spelter Socket	1,114.13	98.43
	05 15 16 00-0242	EA		1-5/8" Galvanized Steel, Open Spelter Socket	1,335.93	125.28
	05 15 16 00-0243	EA		1-3/4" Galvanized Steel, Open Spelter Socket	2,027.44	196.87
	05 15 16 00-0244	EA		1-7/8" Galvanized Steel, Open Spelter Socket	2,027.44	196.87
	05 15 16 00-0245	EA		2" Galvanized Steel, Open Spelter Socket	2,017.74	295.31
	05 15 16 00-0246	EA		2-1/8" Galvanized Steel, Open Spelter Socket	2,017.74	295.31
	05 15 16 00-0247	EA		2-3/8" Galvanized Steel, Open Spelter Socket	3,448.28	375.85
	05 15 16 00-0248	EA		2-1/2" Galvanized Steel, Open Spelter Socket	3,448.28	375.85
	05 15 16 00-0249			Galvanized Steel, Closed Spelter Sockets (05 15 16)		
	05 15 16 00-0250	EA		1/4" Galvanized Steel, Closed Spelter Socket	53.54	2.69
	05 15 16 00-0251	EA		5/16" Galvanized Steel, Closed Spelter Socket	53.86	2.69
	05 15 16 00-0252	EA		3/8" Galvanized Steel, Closed Spelter Socket	53.86	2.69
	05 15 16 00-0253	EA		7/16" Galvanized Steel, Closed Spelter Socket	63.53	4.48
	05 15 16 00-0254	EA		1/2" Galvanized Steel, Closed Spelter Socket	63.53	4.48
	05 15 16 00-0255	EA		9/16" Galvanized Steel, Closed Spelter Socket	93.19	8.05
	05 15 16 00-0256	EA		5/8" Galvanized Steel, Closed Spelter Socket	93.19	8.05
	05 15 16 00-0257	EA		3/4" Galvanized Steel, Closed Spelter Socket	119.18	11.63
	05 15 16 00-0258	EA		7/8" Galvanized Steel, Closed Spelter Socket	175.51	17.90
	05 15 16 00-0259	EA		1" Galvanized Steel, Closed Spelter Socket	267.03	27.74
	05 15 16 00-0260	EA		1-1/8" Galvanized Steel, Closed Spelter Socket	351.00	37.58
	05 15 16 00-0261	EA		1-1/4" Galvanized Steel, Closed Spelter Socket	448.01	50.11
	05 15 16 00-0262	EA		1-3/8" Galvanized Steel, Closed Spelter Socket	448.01	50.11
	05 15 16 00-0263	EA		1-1/2" Galvanized Steel, Closed Spelter Socket	793.88	64.43
	05 15 16 00-0264	EA		1-5/8" Galvanized Steel, Closed Spelter Socket	939.85	81.44
	05 15 16 00-0265	EA		1-3/4" Galvanized Steel, Closed Spelter Socket	1,218.01	125.28
	05 15 16 00-0266	EA		1-7/8" Galvanized Steel, Closed Spelter Socket	1,218.01	125.28
	05 15 16 00-0267	EA		2" Galvanized Steel, Closed Spelter Socket	1,592.79	178.97
	05 15 16 00-0268	EA		2-1/8" Galvanized Steel, Closed Spelter Socket	1,592.79	178.97
	05 15 16 00-0269	EA		2-3/8" Galvanized Steel, Closed Spelter Socket	2,043.60	241.61

05 Metals**05 10 Structural Metal Framing****05 15 Wire Rope Assemblies**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 15 16 00-0270	EA		2-1/2" Galvanized Steel, Closed Spelter Socket.....	2,394.71	241.61
05 15 16 00-0271			Forged Steel, Jaw And Jaw Turnbuckles (05 15 16)		
05 15 16 00-0272	EA		1/4" x 4", Forged Steel, Jaw And Jaw Turnbuckle For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	38.30 -4.40	2.69
05 15 16 00-0273	EA		5/16" x 4-1/2", Forged Steel, Jaw And Jaw Turnbuckle For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	40.74 -4.77	2.69
05 15 16 00-0274	EA		3/8" x 6", Forged Steel, Jaw And Jaw Turnbuckle For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	45.26 -5.45	2.69
05 15 16 00-0275	EA		1/2" x 6", Forged Steel, Jaw And Jaw Turnbuckle For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	52.81 -5.67	3.58
05 15 16 00-0276	EA		1/2" x 9", Forged Steel, Jaw And Jaw Turnbuckle For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	68.92 -7.54	4.48
05 15 16 00-0277	EA		1/2" x 12", Forged Steel, Jaw And Jaw Turnbuckle For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	78.48 -8.54	5.37
05 15 16 00-0278	EA		5/8" x 6", Forged Steel, Jaw And Jaw Turnbuckle For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	82.77 -8.29	7.15
05 15 16 00-0279	EA		5/8" x 9", Forged Steel, Jaw And Jaw Turnbuckle For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	100.23 -10.56	7.15
05 15 16 00-0280	EA		5/8" x 12", Forged Steel, Jaw And Jaw Turnbuckle For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	112.82 -12.13	8.05
05 15 16 00-0281	EA		3/4" x 6", Forged Steel, Jaw And Jaw Turnbuckle For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	112.11 -11.10	9.84
05 15 16 00-0282	EA		3/4" x 9", Forged Steel, Jaw And Jaw Turnbuckle For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	129.56 -12.37	11.63
05 15 16 00-0283	EA		3/4" x 12", Forged Steel, Jaw And Jaw Turnbuckle For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	156.39 -15.79	12.53
05 15 16 00-0284	EA		3/4" x 18", Forged Steel, Jaw And Jaw Turnbuckle For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	188.23 -18.98	15.21
05 15 16 00-0285	EA		7/8" x 12", Forged Steel, Jaw And Jaw Turnbuckle For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	221.95 -20.51	21.47
05 15 16 00-0286	EA		7/8" x 18", Forged Steel, Jaw And Jaw Turnbuckle For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	267.18 -25.16	25.06
05 15 16 00-0287	EA		1" x 6", Forged Steel, Jaw And Jaw Turnbuckle For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	228.87 -21.55	21.47
05 15 16 00-0288	EA		1" x 12", Forged Steel, Jaw And Jaw Turnbuckle For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	269.24 -23.61	27.74
05 15 16 00-0289	EA		1" x 18", Forged Steel, Jaw And Jaw Turnbuckle For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	361.11 -33.51	34.90
05 15 16 00-0290	EA		1" x 24", Forged Steel, Jaw And Jaw Turnbuckle For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	408.30 -36.84	41.17
05 15 16 00-0291	EA		1-1/4" x 12", Forged Steel, Jaw And Jaw Turnbuckle For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	463.97 -39.77	50.11
05 15 16 00-0292	EA		1-1/4" x 18", Forged Steel, Jaw And Jaw Turnbuckle For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	551.78 -49.21	56.38
05 15 16 00-0293	EA		1-1/4" x 24", Forged Steel, Jaw And Jaw Turnbuckle For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	697.23 -66.23	64.43
05 15 16 00-0294	EA		1-1/2" x 12", Forged Steel, Jaw And Jaw Turnbuckle For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	700.93 -63.84	68.91
05 15 16 00-0295	EA		1-1/2" x 18", Forged Steel, Jaw And Jaw Turnbuckle For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	799.50 -66.23	89.49
05 15 16 00-0296	EA		1-1/2" x 24", Forged Steel, Jaw And Jaw Turnbuckle For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	1,338.52 -133.66	116.33
05 15 16 00-0297	EA		2" x 24", Forged Steel, Jaw And Jaw Turnbuckle For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	2,278.04 -207.48	223.72
05 15 16 00-0298			Galvanized Steel, Drop Forged, Shoulder Eye Bolts (05 15 16)		
05 15 16 00-0299	EA		1/4" Diameter Thread, 3/4" Inside Eye Diameter, Galvanized Steel, Drop Forged, Shoulder Eye Bolt.....	9.87	
05 15 16 00-0300	EA		5/16" Diameter Thread, 7/8" Inside Eye Diameter, Galvanized Steel, Drop Forged, Shoulder Eye Bolt.....	9.91	
05 15 16 00-0301	EA		3/8" Diameter Thread, 1" Inside Eye Diameter, Galvanized Steel, Drop Forged, Shoulder Eye Bolt.....	10.82	
05 15 16 00-0302	EA		7/16" Diameter Thread, 1-3/32" Inside Eye Diameter, Galvanized Steel, Drop Forged, Shoulder Eye Bolt.....	12.80	
05 15 16 00-0303	EA		1/2" Diameter Thread, 1-3/16" Inside Eye Diameter, Galvanized Steel, Drop Forged, Shoulder Eye Bolt.....	12.76	
05 15 16 00-0304	EA		5/8" Diameter Thread, 1-3/8" Inside Eye Diameter, Galvanized Steel, Drop Forged, Shoulder Eye Bolt.....	16.70	
05 15 16 00-0305	EA		3/4" Diameter Thread, 1-1/2" Inside Eye Diameter, Galvanized Steel, Drop Forged, Shoulder Eye Bolt.....	19.36	
05 15 16 00-0306	EA		7/8" Diameter Thread, 1-11/16" Inside Eye Diameter, Galvanized Steel, Drop Forged, Shoulder Eye Bolt.....	25.34	
05 15 16 00-0307	EA		1" Diameter Thread, 1-13/16" Inside Eye Diameter, Galvanized Steel, Drop Forged, Shoulder Eye Bolt.....	32.69	
05 15 16 00-0308	EA		1-1/8" Diameter Thread, 2" Inside Eye Diameter, Galvanized Steel, Drop Forged, Shoulder Eye Bolt.....	46.28	
05 15 16 00-0309	EA		1-1/4" Diameter Thread, 2-3/16" Inside Eye Diameter, Galvanized Steel, Drop Forged, Shoulder Eye Bolt.....	54.69	
05 15 16 00-0310	EA		1-1/2" Diameter Thread, 2-1/2" Inside Eye Diameter, Galvanized Steel, Drop Forged, Shoulder Eye Bolt.....	96.01	
05 15 16 00-0311	EA		1-3/4" Diameter Thread, 2-7/8" Inside Eye Diameter, Galvanized Steel, Drop Forged, Shoulder Eye Bolt.....	109.79	
05 15 16 00-0312	EA		2" Diameter Thread, 3-1/4" Inside Eye Diameter, Galvanized Steel, Drop Forged, Shoulder Eye Bolt.....	134.91	
05 15 16 00-0313			Galvanized Steel, Drop Forged, Eye Bolts (05 15 16)		
05 15 16 00-0314	EA		1/4" Diameter Thread, 3" Shank Length, 1/2" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt.....	12.23	
05 15 16 00-0315	EA		1/4" Diameter Thread, 4" Shank Length, 1/2" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt.....	11.38	
05 15 16 00-0316	EA		5/16" Diameter Thread, 2-1/4" Shank Length, 5/8" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt.....	14.35	
05 15 16 00-0317	EA		5/16" Diameter Thread, 4-1/4" Shank Length, 5/8" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt.....	10.61	
05 15 16 00-0318	EA		3/8" Diameter Thread, 2-1/2" Shank Length, 3/4" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt.....	13.26	
05 15 16 00-0319	EA		3/8" Diameter Thread, 3" Shank Length, 3/4" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt.....	18.60	
05 15 16 00-0320	EA		3/8" Diameter Thread, 4" Shank Length, 3/4" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt.....	18.19	



	Metals	05
	Structural Metal Framing	05 10
	Wire Rope Assemblies	05 15

05

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 15 16 00-0321	EA		3/8" Diameter Thread, 4-1/2" Shank Length, 3/4" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt	17.43	
05 15 16 00-0322	EA		3/8" Diameter Thread, 5" Shank Length, 3/4" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt.....	15.91	
05 15 16 00-0323	EA		3/8" Diameter Thread, 6" Shank Length, 3/4" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt.....	16.41	
05 15 16 00-0324	EA		1/2" Diameter Thread, 2" Shank Length, 1" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt.....	15.00	
05 15 16 00-0325	EA		1/2" Diameter Thread, 3" Shank Length, 1" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt.....	12.65	
05 15 16 00-0326	EA		1/2" Diameter Thread, 3-1/4" Shank Length, 1" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt	15.54	
05 15 16 00-0327	EA		1/2" Diameter Thread, 4" Shank Length, 1" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt.....	20.16	
05 15 16 00-0328	EA		1/2" Diameter Thread, 4-1/2" Shank Length, 1" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt	16.08	
05 15 16 00-0329	EA		1/2" Diameter Thread, 6" Shank Length, 1" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt.....	23.99	
05 15 16 00-0330	EA		1/2" Diameter Thread, 8" Shank Length, 1" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt.....	21.58	
05 15 16 00-0331	EA		1/2" Diameter Thread, 10" Shank Length, 1" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt.....	20.06	
05 15 16 00-0332	EA		1/2" Diameter Thread, 12" Shank Length, 1" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt.....	22.99	
05 15 16 00-0333	EA		5/8" Diameter Thread, 4" Shank Length, 1-1/4" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt	23.44	
05 15 16 00-0334	EA		5/8" Diameter Thread, 4-1/2" Shank Length, 1-1/4" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt	21.27	
05 15 16 00-0335	EA		5/8" Diameter Thread, 6" Shank Length, 1-1/4" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt	25.91	
05 15 16 00-0336	EA		5/8" Diameter Thread, 8" Shank Length, 1-1/4" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt	29.24	
05 15 16 00-0337	EA		5/8" Diameter Thread, 10" Shank Length, 1-1/4" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt	33.22	
05 15 16 00-0338	EA		5/8" Diameter Thread, 12" Shank Length, 1-1/4" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt	28.11	
05 15 16 00-0339	EA		3/4" Diameter Thread, 4-1/2" Shank Length, 1-1/2" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt	27.87	
05 15 16 00-0340	EA		3/4" Diameter Thread, 6" Shank Length, 1-1/2" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt	28.43	
05 15 16 00-0341	EA		3/4" Diameter Thread, 8" Shank Length, 1-1/2" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt	31.12	
05 15 16 00-0342	EA		3/4" Diameter Thread, 10" Shank Length, 1-1/2" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt	33.34	
05 15 16 00-0343	EA		3/4" Diameter Thread, 12" Shank Length, 1-1/2" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt	38.32	
05 15 16 00-0344	EA		1" Diameter Thread, 8" Shank Length, 2" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt.....	49.83	

05 15 19 Stainless-Steel Wire Rope Assemblies (05 15)

05 15 19 00-0001 7x7 Class 304 Stainless Steel (05 15 19)

05 15 19 00-0002	LF		3/64" Diameter 7x7 Class 304 Stainless Steel Wire Rope.....	0.34	0.06
			<i>For <100, Add</i>	0.10	
			<i>For >500 To 1,000, Deduct</i>	-0.02	
			<i>For >1,000 To 2,000, Deduct</i>	-0.03	
			<i>For >2,000, Deduct</i>	-0.03	
			<i>For 316 Stainless Steel, Add</i>	0.07	
05 15 19 00-0003	LF		1/16" Diameter 7x7 Class 304 Stainless Steel Wire Rope.....	0.39	0.06
			<i>For <100, Add</i>	0.11	
			<i>For >500 To 1,000, Deduct</i>	-0.02	
			<i>For >1,000 To 2,000, Deduct</i>	-0.03	
			<i>For >2,000, Deduct</i>	-0.04	
			<i>For 316 Stainless Steel, Add</i>	0.09	
05 15 19 00-0004	LF		5/64" Diameter 7x7 Class 304 Stainless Steel Wire Rope.....	0.47	0.07
			<i>For <100, Add</i>	0.14	
			<i>For >500 To 1,000, Deduct</i>	-0.02	
			<i>For >1,000 To 2,000, Deduct</i>	-0.04	
			<i>For >2,000, Deduct</i>	-0.05	
			<i>For 316 Stainless Steel, Add</i>	0.11	
05 15 19 00-0005	LF		3/32" Diameter 7x7 Class 304 Stainless Steel Wire Rope.....	0.56	0.07
			<i>For <100, Add</i>	0.17	
			<i>For >500 To 1,000, Deduct</i>	-0.03	
			<i>For >1,000 To 2,000, Deduct</i>	-0.04	
			<i>For >2,000, Deduct</i>	-0.06	
			<i>For 316 Stainless Steel, Add</i>	0.14	
05 15 19 00-0006	LF		1/8" Diameter 7x7 Class 304 Stainless Steel Wire Rope.....	0.71	0.08
			<i>For <100, Add</i>	0.21	
			<i>For >500 To 1,000, Deduct</i>	-0.04	
			<i>For >1,000 To 2,000, Deduct</i>	-0.05	
			<i>For >2,000, Deduct</i>	-0.07	
			<i>For 316 Stainless Steel, Add</i>	0.18	
05 15 19 00-0007	LF		5/32" Diameter 7x7 Class 304 Stainless Steel Wire Rope.....	1.11	0.09
			<i>For <100, Add</i>	0.35	
			<i>For >500 To 1,000, Deduct</i>	-0.06	
			<i>For >1,000 To 2,000, Deduct</i>	-0.08	
			<i>For >2,000, Deduct</i>	-0.11	
			<i>For 316 Stainless Steel, Add</i>	0.31	
05 15 19 00-0008	LF		3/16" Diameter 7x7 Class 304 Stainless Steel Wire Rope.....	1.26	0.09
			<i>For <100, Add</i>	0.40	
			<i>For >500 To 1,000, Deduct</i>	-0.06	
			<i>For >1,000 To 2,000, Deduct</i>	-0.09	
			<i>For >2,000, Deduct</i>	-0.13	
			<i>For 316 Stainless Steel, Add</i>	0.35	
05 15 19 00-0009	LF		1/4" Diameter 7x7 Class 304 Stainless Steel Wire Rope.....	1.72	0.09
			<i>For <100, Add</i>	0.56	
			<i>For >500 To 1,000, Deduct</i>	-0.09	
			<i>For >1,000 To 2,000, Deduct</i>	-0.13	
			<i>For >2,000, Deduct</i>	-0.17	
			<i>For 316 Stainless Steel, Add</i>	0.51	
05 15 19 00-0010	LF		5/16" Diameter 7x7 Class 304 Stainless Steel Wire Rope.....	2.16	0.09
			<i>For <100, Add</i>	0.70	
			<i>For >500 To 1,000, Deduct</i>	-0.11	
			<i>For >1,000 To 2,000, Deduct</i>	-0.16	
			<i>For >2,000, Deduct</i>	-0.22	
			<i>For 316 Stainless Steel, Add</i>	0.64	

05 Metals**05 10 Structural Metal Framing****05 15 Wire Rope Assemblies**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 15 19 00-0011	LF		3/8" Diameter 7x7 Class 304 Stainless Steel Wire Rope	2.71	0.09
			For <100, Add	0.87	
			For >500 To 1,000, Deduct	-0.14	
			For >1,000 To 2,000, Deduct	-0.20	
			For >2,000, Deduct	-0.27	
			For 316 Stainless Steel, Add	0.80	
05 15 19 00-0012	LF		7/16" Diameter 7x7 Class 304 Stainless Steel Wire Rope	3.32	0.18
			For <100, Add	1.06	
			For >500 To 1,000, Deduct	-0.17	
			For >1,000 To 2,000, Deduct	-0.25	
			For >2,000, Deduct	-0.33	
			For 316 Stainless Steel, Add	0.95	
05 15 19 00-0013	LF		1/2" Diameter 7x7 Class 304 Stainless Steel Wire Rope	3.86	0.18
			For <100, Add	1.22	
			For >500 To 1,000, Deduct	-0.19	
			For >1,000 To 2,000, Deduct	-0.29	
			For >2,000, Deduct	-0.39	
			For 316 Stainless Steel, Add	1.08	
05 15 19 00-0014	LF		9/16" Diameter 7x7 Class 304 Stainless Steel Wire Rope	4.64	0.27
			For <100, Add	1.45	
			For >500 To 1,000, Deduct	-0.23	
			For >1,000 To 2,000, Deduct	-0.35	
			For >2,000, Deduct	-0.46	
			For 316 Stainless Steel, Add	1.28	
05 15 19 00-0015	LF		5/8" Diameter 7x7 Class 304 Stainless Steel Wire Rope	5.29	0.36
			For <100, Add	1.64	
			For >500 To 1,000, Deduct	-0.26	
			For >1,000 To 2,000, Deduct	-0.40	
			For >2,000, Deduct	-0.53	
			For 316 Stainless Steel, Add	1.44	
05 15 19 00-0016	LF		3/4" Diameter 7x7 Class 304 Stainless Steel Wire Rope	7.03	0.44
			For <100, Add	2.16	
			For >500 To 1,000, Deduct	-0.35	
			For >1,000 To 2,000, Deduct	-0.53	
			For >2,000, Deduct	-0.70	
			For 316 Stainless Steel, Add	1.88	
05 15 19 00-0017			7x19 Class 304 Stainless Steel <small>(05 15 19)</small>		
05 15 19 00-0018	LF		1/4" Diameter 7x19 Class 304 Stainless Steel Wire Rope	2.81	0.09
			For <100, Add	0.94	
			For >500 To 1,000, Deduct	-0.14	
			For >1,000 To 2,000, Deduct	-0.21	
			For >2,000, Deduct	-0.28	
			For 316 Stainless Steel, Add	0.88	
05 15 19 00-0019	LF		5/16" Diameter 7x19 Class Stainless Steel Wire Rope	3.25	0.09
			For <100, Add	1.07	
			For >500 To 1,000, Deduct	-0.16	
			For >1,000 To 2,000, Deduct	-0.24	
			For >2,000, Deduct	-0.33	
			For 316 Stainless Steel, Add	1.00	
05 15 19 00-0020	LF		3/8" Diameter 7x19 Class Stainless Steel Wire Rope	3.84	0.18
			For <100, Add	1.25	
			For >500 To 1,000, Deduct	-0.19	
			For >1,000 To 2,000, Deduct	-0.29	
			For >2,000, Deduct	-0.38	
			For 316 Stainless Steel, Add	1.15	
05 15 19 00-0021	LF		7/16" Diameter 7x19 Class Stainless Steel Wire Rope	4.46	0.18
			For <100, Add	1.44	
			For >500 To 1,000, Deduct	-0.22	
			For >1,000 To 2,000, Deduct	-0.33	
			For >2,000, Deduct	-0.45	
			For 316 Stainless Steel, Add	1.31	
05 15 19 00-0022	LF		1/2" Diameter 7x19 Class Stainless Steel Wire Rope	5.12	0.27
			For <100, Add	1.63	
			For >500 To 1,000, Deduct	-0.26	
			For >1,000 To 2,000, Deduct	-0.38	
			For >2,000, Deduct	-0.51	
			For 316 Stainless Steel, Add	1.46	
05 15 19 00-0023	LF		9/16" Diameter 7x19 Class Stainless Steel Wire Rope	6.01	0.36
			For <100, Add	1.89	
			For >500 To 1,000, Deduct	-0.30	
			For >1,000 To 2,000, Deduct	-0.45	
			For >2,000, Deduct	-0.60	
			For 316 Stainless Steel, Add	1.68	
05 15 19 00-0024	LF		5/8" Diameter 7x19 Class Stainless Steel Wire Rope	6.83	0.36
			For <100, Add	2.13	
			For >500 To 1,000, Deduct	-0.34	
			For >1,000 To 2,000, Deduct	-0.51	
			For >2,000, Deduct	-0.68	
			For 316 Stainless Steel, Add	1.88	



Metals	05	05
Structural Metal Framing	05 10	
Wire Rope Assemblies	05 15	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 15 19 00-0025	LF		3/4" Diameter 7x19 Class Stainless Steel Wire Rope.....	9.62	0.62
			<i>For <100, Add</i>	2.99	
			<i>For >500 To 1,000, Deduct</i>	-0.48	
			<i>For >1,000 To 2,000, Deduct</i>	-0.72	
			<i>For >2,000, Deduct</i>	-0.96	
			<i>For 316 Stainless Steel, Add</i>	2.63	
05 15 19 00-0026	LF		7/8" Diameter 7x19 Class Stainless Steel Wire Rope.....	12.65	0.71
			<i>For <100, Add</i>	3.92	
			<i>For >500 To 1,000, Deduct</i>	-0.63	
			<i>For >1,000 To 2,000, Deduct</i>	-0.95	
			<i>For >2,000, Deduct</i>	-1.27	
			<i>For 316 Stainless Steel, Add</i>	3.43	
05 15 19 00-0027	LF		1" Diameter 7x19 Class Stainless Steel Wire Rope.....	15.81	0.99
			<i>For <100, Add</i>	4.86	
			<i>For >500 To 1,000, Deduct</i>	-0.79	
			<i>For >1,000 To 2,000, Deduct</i>	-1.19	
			<i>For >2,000, Deduct</i>	-1.58	
			<i>For 316 Stainless Steel, Add</i>	4.23	
05 15 19 00-0028	LF		1-1/8" Diameter 7x19 Class Stainless Steel Wire Rope.....	19.55	1.25
			<i>For <100, Add</i>	6.00	
			<i>For >500 To 1,000, Deduct</i>	-0.98	
			<i>For >1,000 To 2,000, Deduct</i>	-1.47	
			<i>For >2,000, Deduct</i>	-1.96	
			<i>For 316 Stainless Steel, Add</i>	5.22	
05 15 19 00-0029	LF		1-1/4" Diameter 7x19 Class Stainless Steel Wire Rope.....	23.20	1.52
			<i>For <100, Add</i>	7.10	
			<i>For >500 To 1,000, Deduct</i>	-1.16	
			<i>For >1,000 To 2,000, Deduct</i>	-1.74	
			<i>For >2,000, Deduct</i>	-2.32	
			<i>For 316 Stainless Steel, Add</i>	6.15	
05 15 19 00-0030	LF		1-3/8" Diameter 7x19 Class Stainless Steel Wire Rope.....	28.08	1.88
			<i>For <100, Add</i>	8.57	
			<i>For >500 To 1,000, Deduct</i>	-1.40	
			<i>For >1,000 To 2,000, Deduct</i>	-2.11	
			<i>For >2,000, Deduct</i>	-2.81	
			<i>For 316 Stainless Steel, Add</i>	7.41	
05 15 19 00-0031	LF		1-1/2" Diameter 7x19 Class Stainless Steel Wire Rope.....	33.29	2.23
			<i>For <100, Add</i>	10.16	
			<i>For >500 To 1,000, Deduct</i>	-1.66	
			<i>For >1,000 To 2,000, Deduct</i>	-2.50	
			<i>For >2,000, Deduct</i>	-3.33	
			<i>For 316 Stainless Steel, Add</i>	8.78	
05 15 19 00-0032	LF		1-5/8" Diameter 7x19 Class Stainless Steel Wire Rope.....	39.76	2.60
			<i>For <100, Add</i>	12.17	
			<i>For >500 To 1,000, Deduct</i>	-1.99	
			<i>For >1,000 To 2,000, Deduct</i>	-2.98	
			<i>For >2,000, Deduct</i>	-3.98	
			<i>For 316 Stainless Steel, Add</i>	10.55	
05 15 19 00-0033	LF		1-3/4" Diameter 7x19 Class Stainless Steel Wire Rope.....	50.61	4.31
			<i>For <100, Add</i>	14.88	
			<i>For >500 To 1,000, Deduct</i>	-2.53	
			<i>For >1,000 To 2,000, Deduct</i>	-3.80	
			<i>For >2,000, Deduct</i>	-5.06	
			<i>For 316 Stainless Steel, Add</i>	12.39	
05 15 19 00-0034	LF		1-7/8" Diameter 7x19 Class Stainless Steel Wire Rope.....	58.17	4.87
			<i>For <100, Add</i>	17.11	
			<i>For >500 To 1,000, Deduct</i>	-2.91	
			<i>For >1,000 To 2,000, Deduct</i>	-4.36	
			<i>For >2,000, Deduct</i>	-5.82	
			<i>For 316 Stainless Steel, Add</i>	14.25	
05 15 19 00-0035	LF		2" Diameter 7x19 Class Stainless Steel Wire Rope.....	66.79	5.62
			<i>For <100, Add</i>	19.63	
			<i>For >500 To 1,000, Deduct</i>	-3.34	
			<i>For >1,000 To 2,000, Deduct</i>	-5.01	
			<i>For >2,000, Deduct</i>	-6.68	
			<i>For 316 Stainless Steel, Add</i>	16.35	
05 15 19 00-0036	LF		2-1/8" Diameter 7x19 Class Stainless Steel Wire Rope.....	75.51	6.27
			<i>For <100, Add</i>	22.27	
			<i>For >500 To 1,000, Deduct</i>	-3.78	
			<i>For >1,000 To 2,000, Deduct</i>	-5.66	
			<i>For >2,000, Deduct</i>	-7.55	
			<i>For 316 Stainless Steel, Add</i>	18.60	
05 15 19 00-0037	LF		2-1/4" Diameter 7x19 Class Stainless Steel Wire Rope.....	85.78	7.02
			<i>For <100, Add</i>	25.35	
			<i>For >500 To 1,000, Deduct</i>	-4.29	
			<i>For >1,000 To 2,000, Deduct</i>	-6.43	
			<i>For >2,000, Deduct</i>	-8.58	
			<i>For 316 Stainless Steel, Add</i>	21.21	

05 20 Metal Joists (05)

Note: Includes all connecting bolts and welds.

05 21 Steel Joist Framing (05 20)

05 21 19 Open Web Steel Joist Framing (05 21)

05	Metals
05 20	Metal Joists
05 21	Steel Joist Framing



MINOR	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 21 19 00-0001	TON H, J Or K Open Web Joist, Up To 30' Span, Steel, Horizontal Bridging.....	2,165.38	146.30
	<i>For Welded Cross Bridging, Add</i>	182.88	
	<i>For Shop Prime Paint Other Than Manufacturer's Standard, Add</i>	186.69	
05 21 19 00-0002	TON H, J Or K Open Web Joist, >30' To 50' Span, Steel, Horizontal Bridging.....	1,986.52	137.17
	<i>For Welded Cross Bridging, Add</i>	162.56	
	<i>For Shop Prime Paint Other Than Manufacturer's Standard, Add</i>	173.36	
05 21 19 00-0003	TON LJ Or LH Open Web Joist, Up To 96' Span, Steel, Bolted Cross Bridging.....	2,393.59	137.17
	<i>For Welded Cross Bridging, Add</i>	168.82	
	<i>For Shop Prime Paint Other Than Manufacturer's Standard, Add</i>	219.70	
05 21 19 00-0004	TON DLJ Or DLH Open Web Joist, Up To 144' Span, Steel, Bolted Cross Bridging.....	2,719.08	137.17
	<i>For Welded Cross Bridging, Add</i>	168.82	
	<i>For Shop Prime Paint Other Than Manufacturer's Standard, Add</i>	258.76	
05 21 19 00-0005	TON CS Open Web Joist, Up To 30' Span, Steel, Horizontal Bridging.....	2,399.79	137.17
	<i>For Welded Cross Bridging, Add</i>	182.88	
	<i>For Shop Prime Paint Other Than Manufacturer's Standard, Add</i>	214.82	
05 21 19 00-0006	TON SLH Open Web Joist, Up To 200' Span, Steel, Bolted Cross Bridging.....	3,003.88	137.17
	<i>For Welded Cross Bridging, Add</i>	168.82	
	<i>For Shop Prime Paint Other Than Manufacturer's Standard, Add</i>	292.94	

05 30 Metal Decking ⁽⁰⁵⁾

Note: Includes all connecting bolts and welds.

05 31 Steel Decking ^(05 30)

See CSI section 03 30 00 00-0000 for concrete where required, 07 22 16 00-0001 for roof insulation.

MINOR	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 31 00 00-0001	Open Ribbed Galvanized Steel Form Deck ^(05 31)		
05 31 00 00-0002	SF 9/16" Deep, 28 Gauge Open Ribbed Galvanized Steel Form Deck.....	1.73	
	<i>For Painted, Deduct</i>	-0.05	
	<i>For Perforated Or Slotted, Add</i>	0.05	
	<i>For Up To 100, Add</i>	0.86	
	<i>For >100 To 500, Add</i>	0.40	
	<i>For >500 To 1,500, Add</i>	0.19	
05 31 00 00-0003	SF 9/16" Deep, 26 Gauge Open Ribbed Galvanized Steel Form Deck.....	1.84	
	<i>For Painted, Deduct</i>	-0.05	
	<i>For Perforated Or Slotted, Add</i>	0.05	
	<i>For Up To 100, Add</i>	0.90	
	<i>For >100 To 500, Add</i>	0.42	
	<i>For >500 To 1,500, Add</i>	0.20	
05 31 00 00-0004	SF 9/16" Deep, 24 Gauge Open Ribbed Galvanized Steel Form Deck.....	2.04	
	<i>For Painted, Deduct</i>	-0.06	
	<i>For Perforated Or Slotted, Add</i>	0.06	
	<i>For Up To 100, Add</i>	1.03	
	<i>For >100 To 500, Add</i>	0.48	
	<i>For >500 To 1,500, Add</i>	0.23	
05 31 00 00-0005	SF 9/16" Deep, 22 Gauge Open Ribbed Galvanized Steel Form Deck.....	2.23	
	<i>For Painted, Deduct</i>	-0.06	
	<i>For Perforated Or Slotted, Add</i>	0.06	
	<i>For Up To 100, Add</i>	1.17	
	<i>For >100 To 500, Add</i>	0.54	
	<i>For >500 To 1,500, Add</i>	0.26	
05 31 00 00-0006	SF 15/16" Deep, 26 Gauge Open Ribbed Galvanized Steel Form Deck.....	2.04	
	<i>For Painted, Deduct</i>	-0.06	
	<i>For Perforated Or Slotted, Add</i>	0.06	
	<i>For Up To 100, Add</i>	0.92	
	<i>For >100 To 500, Add</i>	0.44	
	<i>For >500 To 1,500, Add</i>	0.20	
05 31 00 00-0007	SF 15/16" Deep, 25 Gauge Open Ribbed Galvanized Steel Form Deck.....	2.14	
	<i>For Painted, Deduct</i>	-0.07	
	<i>For Perforated Or Slotted, Add</i>	0.07	
	<i>For Up To 100, Add</i>	0.97	
	<i>For >100 To 500, Add</i>	0.47	
	<i>For >500 To 1,500, Add</i>	0.21	
05 31 00 00-0008	SF 15/16" Deep, 24 Gauge Open Ribbed Galvanized Steel Form Deck.....	2.27	
	<i>For Painted, Deduct</i>	-0.07	
	<i>For Perforated Or Slotted, Add</i>	0.07	
	<i>For Up To 100, Add</i>	1.06	
	<i>For >100 To 500, Add</i>	0.50	
	<i>For >500 To 1,500, Add</i>	0.23	
05 31 00 00-0009	SF 15/16" Deep, 22 Gauge Open Ribbed Galvanized Steel Form Deck.....	2.45	
	<i>For Painted, Deduct</i>	-0.07	
	<i>For Perforated Or Slotted, Add</i>	0.07	
	<i>For Up To 100, Add</i>	1.19	
	<i>For >100 To 500, Add</i>	0.56	
	<i>For >500 To 1,500, Add</i>	0.26	
05 31 00 00-0010	SF 1-15/16" Deep, 26 Gauge Open Ribbed Galvanized Steel Form Deck.....	2.57	
	<i>For Painted, Deduct</i>	-0.07	
	<i>For Perforated Or Slotted, Add</i>	0.07	
	<i>For Up To 100, Add</i>	1.24	
	<i>For >100 To 500, Add</i>	0.58	
	<i>For >500 To 1,500, Add</i>	0.27	



	Metals	05
	Metal Decking	05 30
	Steel Decking	05 31

05

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 31 00 00-0011 SF 1-15/16" Deep, 24 Gauge Open Ribbed Galvanized Steel Form Deck.....	2.78	
For Painted, Deduct	-0.08	
For Perforated Or Slotted, Add	0.08	
For Up To 100, Add	1.30	
For >100 To 500, Add	0.62	
For >500 To 1,500, Add	0.28	
05 31 00 00-0012 SF 1-15/16" Deep, 22 Gauge Open Ribbed Galvanized Steel Form Deck.....	3.16	
For Painted, Deduct	-0.10	
For Perforated Or Slotted, Add	0.10	
For Up To 100, Add	1.41	
For >100 To 500, Add	0.68	
For >500 To 1,500, Add	0.30	
05 31 00 00-0013 SF 1-15/16" Deep, 20 Gauge Open Ribbed Galvanized Steel Form Deck.....	3.53	
For Painted, Deduct	-0.11	
For Perforated Or Slotted, Add	0.11	
For Up To 100, Add	1.60	
For >100 To 500, Add	0.77	
For >500 To 1,500, Add	0.35	
05 31 00 00-0014 Open Ribbed Galvanized Steel Deck (05 31)		
05 31 00 00-0015 SF 1" Deep, 22 Gauge Open Ribbed Galvanized Steel Deck.....	2.29	
For Painted, Deduct	-0.06	
For Perforated Or Slotted, Add	0.06	
For Site Installed Insulation Between Ribs, Add	0.65	
For Up To 100, Add	1.14	
For >100 To 500, Add	0.53	
For >500 To 1,500, Add	0.25	
05 31 00 00-0016 SF 1" Deep, 20 Gauge Open Ribbed Galvanized Steel Deck.....	2.63	
For Painted, Deduct	-0.07	
For Perforated Or Slotted, Add	0.07	
For Site Installed Insulation Between Ribs, Add	0.75	
For Up To 100, Add	1.32	
For >100 To 500, Add	0.61	
For >500 To 1,500, Add	0.29	
05 31 00 00-0017 SF 1" Deep, 18 Gauge Open Ribbed Galvanized Steel Deck.....	3.27	
For Painted, Deduct	-0.09	
For Perforated Or Slotted, Add	0.09	
For Site Installed Insulation Between Ribs, Add	0.93	
For Up To 100, Add	1.61	
For >100 To 500, Add	0.76	
For >500 To 1,500, Add	0.36	
05 31 00 00-0018 SF 1-1/2" Deep, 22 Gauge Open Ribbed Galvanized Steel Deck.....	2.53	
For Painted, Deduct	-0.07	
For Perforated Or Slotted, Add	0.07	
For Site Installed Insulation Between Ribs, Add	0.72	
For Up To 100, Add	1.27	
For >100 To 500, Add	0.59	
For >500 To 1,500, Add	0.28	
05 31 00 00-0019 SF 1-1/2" Deep, 20 Gauge Open Ribbed Galvanized Steel Deck.....	2.93	
For Painted, Deduct	-0.08	
For Perforated Or Slotted, Add	0.08	
For Site Installed Insulation Between Ribs, Add	0.83	
For Up To 100, Add	1.47	
For >100 To 500, Add	0.69	
For >500 To 1,500, Add	0.33	
05 31 00 00-0020 SF 1-1/2" Deep, 18 Gauge Open Ribbed Galvanized Steel Deck.....	3.64	
For Painted, Deduct	-0.10	
For Perforated Or Slotted, Add	0.10	
For Site Installed Insulation Between Ribs, Add	1.03	
For Up To 100, Add	1.80	
For >100 To 500, Add	0.84	
For >500 To 1,500, Add	0.40	
05 31 00 00-0021 SF 3" Deep, 22 Gauge Open Ribbed Galvanized Steel Deck.....	3.09	
For Painted, Deduct	-0.09	
For Perforated Or Slotted, Add	0.09	
For Site Installed Insulation Between Ribs, Add	0.87	
For Up To 100, Add	1.44	
For >100 To 500, Add	0.69	
For >500 To 1,500, Add	0.32	
05 31 00 00-0022 SF 3" Deep, 20 Gauge Open Ribbed Galvanized Steel Deck.....	3.58	
For Painted, Deduct	-0.11	
For Perforated Or Slotted, Add	0.11	
For Site Installed Insulation Between Ribs, Add	1.00	
For Up To 100, Add	1.65	
For >100 To 500, Add	0.79	
For >500 To 1,500, Add	0.36	
05 31 00 00-0023 SF 3" Deep, 18 Gauge Open Ribbed Galvanized Steel Deck.....	4.44	
For Painted, Deduct	-0.13	
For Perforated Or Slotted, Add	0.13	
For Site Installed Insulation Between Ribs, Add	1.24	
For Up To 100, Add	2.03	
For >100 To 500, Add	0.97	
For >500 To 1,500, Add	0.44	

05	Metals
05 30	Metal Decking
05 31	Steel Decking



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 31 00 00-0024	SF		3" Deep, 16 Gauge Open Ribbed Galvanized Steel Deck.....	5.55	
			<i>For Painted, Deduct</i>	-0.17	
			<i>For Perforated Or Slotted, Add</i>	0.17	
			<i>For Site Installed Insulation Between Ribs, Add</i>	1.55	
			<i>For Up To 100, Add</i>	2.49	
			<i>For >100 To 500, Add</i>	1.20	
			<i>For >500 To 1,500, Add</i>	0.54	
05 31 00 00-0025	SF		4-1/2" Deep, 18 Gauge Open Ribbed Galvanized Steel Deck.....	7.33	
			<i>For Painted, Deduct</i>	-0.27	
			<i>For Perforated Or Slotted, Add</i>	0.27	
			<i>For Site Installed Insulation Between Ribs, Add</i>	1.98	
			<i>For Up To 100, Add</i>	2.47	
			<i>For >100 To 500, Add</i>	1.31	
			<i>For >500 To 1,500, Add</i>	0.48	
05 31 00 00-0026	SF		4-1/2" Deep, 16 Gauge Open Ribbed Galvanized Steel Deck.....	9.22	
			<i>For Painted, Deduct</i>	-0.34	
			<i>For Perforated Or Slotted, Add</i>	0.34	
			<i>For Site Installed Insulation Between Ribs, Add</i>	2.48	
			<i>For Up To 100, Add</i>	3.04	
			<i>For >100 To 500, Add</i>	1.63	
			<i>For >500 To 1,500, Add</i>	0.59	
05 31 00 00-0027	SF		6" Deep, 20 Gauge Open Ribbed Galvanized Steel Deck.....	8.06	
			<i>For Painted, Deduct</i>	-0.32	
			<i>For Perforated Or Slotted, Add</i>	0.32	
			<i>For Site Installed Insulation Between Ribs, Add</i>	2.15	
			<i>For Up To 100, Add</i>	2.35	
			<i>For >100 To 500, Add</i>	1.32	
			<i>For >500 To 1,500, Add</i>	0.43	
05 31 00 00-0028	SF		6" Deep, 18 Gauge Open Ribbed Galvanized Steel Deck.....	8.70	
			<i>For Painted, Deduct</i>	-0.33	
			<i>For Perforated Or Slotted, Add</i>	0.33	
			<i>For Site Installed Insulation Between Ribs, Add</i>	2.34	
			<i>For Up To 100, Add</i>	2.81	
			<i>For >100 To 500, Add</i>	1.52	
			<i>For >500 To 1,500, Add</i>	0.54	
05 31 00 00-0029	SF		6" Deep, 16 Gauge Open Ribbed Galvanized Steel Deck.....	10.80	
			<i>For Painted, Deduct</i>	-0.41	
			<i>For Perforated Or Slotted, Add</i>	0.41	
			<i>For Site Installed Insulation Between Ribs, Add</i>	2.90	
			<i>For Up To 100, Add</i>	3.42	
			<i>For >100 To 500, Add</i>	1.86	
			<i>For >500 To 1,500, Add</i>	0.65	
05 31 00 00-0030	SF		7-1/2" Deep, 18 Gauge Open Ribbed Galvanized Steel Deck.....	9.60	
			<i>For Painted, Deduct</i>	-0.36	
			<i>For Perforated Or Slotted, Add</i>	0.36	
			<i>For Site Installed Insulation Between Ribs, Add</i>	2.58	
			<i>For Up To 100, Add</i>	3.08	
			<i>For >100 To 500, Add</i>	1.67	
			<i>For >500 To 1,500, Add</i>	0.59	
05 31 00 00-0031	SF		7-1/2" Deep, 16 Gauge Open Ribbed Galvanized Steel Deck.....	11.90	
			<i>For Painted, Deduct</i>	-0.45	
			<i>For Perforated Or Slotted, Add</i>	0.45	
			<i>For Site Installed Insulation Between Ribs, Add</i>	3.19	
			<i>For Up To 100, Add</i>	3.76	
			<i>For >100 To 500, Add</i>	2.05	
			<i>For >500 To 1,500, Add</i>	0.71	
05 31 00 00-0032			Cellular Galvanized Steel Deck <small>(05 31)</small>		
			Note: Cellular decking is made of a top ribbed sheet and a flat bottom sheet welded together to create hollow longitudinal cells within the panels.		
05 31 00 00-0033	SF		1" Deep, 22/18 Gauge Cellular Galvanized Steel Deck.....	6.51	
			<i>For Painted, Deduct</i>	-0.24	
			<i>For Perforated Or Slotted, Add</i>	0.24	
			<i>For Insulated Cells, Add</i>	1.06	
			<i>For Site Installed Insulation Between Ribs, Add</i>	1.76	
			<i>For Up To 100, Add</i>	2.27	
			<i>For >100 To 500, Add</i>	1.19	
			<i>For >500 To 1,500, Add</i>	0.45	
05 31 00 00-0034	SF		1" Deep, 18/18 Gauge Cellular Galvanized Steel Deck.....	7.38	
			<i>For Painted, Deduct</i>	-0.25	
			<i>For Perforated Or Slotted, Add</i>	0.25	
			<i>For Insulated Cells, Add</i>	1.12	
			<i>For Site Installed Insulation Between Ribs, Add</i>	2.03	
			<i>For Up To 100, Add</i>	2.89	
			<i>For >100 To 500, Add</i>	1.46	
			<i>For >500 To 1,500, Add</i>	0.60	
05 31 00 00-0035	SF		1-1/2" Deep, 22/18 Gauge Cellular Galvanized Steel Deck.....	7.77	
			<i>For Painted, Deduct</i>	-0.29	
			<i>For Perforated Or Slotted, Add</i>	0.29	
			<i>For Insulated Cells, Add</i>	1.32	
			<i>For Site Installed Insulation Between Ribs, Add</i>	2.09	
			<i>For Up To 100, Add</i>	2.48	
			<i>For >100 To 500, Add</i>	1.34	
			<i>For >500 To 1,500, Add</i>	0.47	



	Metals	05
	Metal Decking	05 30
	Steel Decking	05 31

05

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 31 00 00-0036 SF 1-1/2" Deep, 18/18 Gauge Cellular Galvanized Steel Deck.....	8.74	
For Painted, Deduct	-0.31	
For Perforated Or Slotted, Add	0.31	
For Insulated Cells, Add	1.40	
For Site Installed Insulation Between Ribs, Add	2.38	
For Up To 100, Add	3.14	
For >100 To 500, Add	1.63	
For >500 To 1,500, Add	0.63	
05 31 00 00-0037 SF 3" Deep, 20/18 Gauge Cellular Galvanized Steel Deck.....	9.02	
For Painted, Deduct	-0.34	
For Perforated Or Slotted, Add	0.34	
For Insulated Cells, Add	1.51	
For Site Installed Insulation Between Ribs, Add	2.43	
For Up To 100, Add	2.98	
For >100 To 500, Add	1.60	
For >500 To 1,500, Add	0.58	
05 31 00 00-0038 SF 3" Deep, 18/18 Gauge Cellular Galvanized Steel Deck.....	10.68	
For Painted, Deduct	-0.40	
For Perforated Or Slotted, Add	0.40	
For Insulated Cells, Add	1.81	
For Site Installed Insulation Between Ribs, Add	2.87	
For Up To 100, Add	3.44	
For >100 To 500, Add	1.86	
For >500 To 1,500, Add	0.66	
05 31 00 00-0039 SF 3" Deep, 18/16 Gauge Cellular Galvanized Steel Deck.....	11.90	
For Painted, Deduct	-0.45	
For Perforated Or Slotted, Add	0.45	
For Insulated Cells, Add	2.04	
For Site Installed Insulation Between Ribs, Add	3.19	
For Up To 100, Add	3.76	
For >100 To 500, Add	2.05	
For >500 To 1,500, Add	0.71	
05 31 00 00-0040 SF 3" Deep, 16/16 Gauge Cellular Galvanized Steel Deck.....	13.02	
For Painted, Deduct	-0.49	
For Perforated Or Slotted, Add	0.49	
For Insulated Cells, Add	2.20	
For Site Installed Insulation Between Ribs, Add	3.50	
For Up To 100, Add	4.21	
For >100 To 500, Add	2.27	
For >500 To 1,500, Add	0.81	
05 31 00 00-0041 SF 4-1/2" Deep, 20/18 Gauge Cellular Galvanized Steel Deck.....	13.05	
For Painted, Deduct	-0.54	
For Perforated Or Slotted, Add	0.54	
For Insulated Cells, Add	2.43	
For Site Installed Insulation Between Ribs, Add	3.43	
For Up To 100, Add	3.35	
For >100 To 500, Add	1.99	
For >500 To 1,500, Add	0.57	
05 31 00 00-0042 SF 4-1/2" Deep, 18/18 Gauge Cellular Galvanized Steel Deck.....	14.07	
For Painted, Deduct	-0.57	
For Perforated Or Slotted, Add	0.57	
For Insulated Cells, Add	2.56	
For Site Installed Insulation Between Ribs, Add	3.72	
For Up To 100, Add	3.82	
For >100 To 500, Add	2.21	
For >500 To 1,500, Add	0.67	
05 31 00 00-0043 SF 4-1/2" Deep, 18/16 Gauge Cellular Galvanized Steel Deck.....	14.92	
For Painted, Deduct	-0.60	
For Perforated Or Slotted, Add	0.60	
For Insulated Cells, Add	2.70	
For Site Installed Insulation Between Ribs, Add	3.95	
For Up To 100, Add	4.10	
For >100 To 500, Add	2.36	
For >500 To 1,500, Add	0.73	
05 31 00 00-0044 SF 4-1/2" Deep, 16/16 Gauge Cellular Galvanized Steel Deck.....	15.93	
For Painted, Deduct	-0.64	
For Perforated Or Slotted, Add	0.64	
For Insulated Cells, Add	2.88	
For Site Installed Insulation Between Ribs, Add	4.22	
For Up To 100, Add	4.39	
For >100 To 500, Add	2.53	
For >500 To 1,500, Add	0.78	

05 36 Composite Metal Decking (05 30)

See CSI section 03 30 00 00-0000 for concrete.

05 36 00 00-0001 Composite Open Ribbed Galvanized Steel Deck (05 36)

Note: Composite decking has rolled-in embossments or ridges designed to interlock with the concrete slab.

05 36 00 00-0002 SF 1-1/2" Deep, 22 Gauge Composite Open Ribbed Galvanized Steel Deck.....	2.59	
For Painted, Deduct	-0.08	
For Perforated Or Slotted, Add	0.08	
For Up To 100, Add	1.24	
For >100 To 500, Add	0.59	
For >500 To 1,500, Add	0.27	

05 Metals**05 30 Metal Decking****05 36 Composite Metal Decking**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 36 00 00-0003	SF	1-1/2"	Deep, 20 Gauge Composite Open Ribbed Galvanized Steel Deck.....	2.79	
			<i>For Painted, Deduct</i>	-0.08	
			<i>For Perforated Or Slotted, Add</i>	0.08	
			<i>For Up To 100, Add</i>	1.37	
			<i>For >100 To 500, Add</i>	0.64	
			<i>For >500 To 1,500, Add</i>	0.30	
05 36 00 00-0004	SF	1-1/2"	Deep, 18 Gauge Composite Open Ribbed Galvanized Steel Deck.....	3.18	
			<i>For Painted, Deduct</i>	-0.08	
			<i>For Perforated Or Slotted, Add</i>	0.08	
			<i>For Up To 100, Add</i>	1.68	
			<i>For >100 To 500, Add</i>	0.77	
			<i>For >500 To 1,500, Add</i>	0.38	
05 36 00 00-0005	SF	1-1/2"	Deep, 16 Gauge Composite Open Ribbed Galvanized Steel Deck.....	3.52	
			<i>For Painted, Deduct</i>	-0.09	
			<i>For Perforated Or Slotted, Add</i>	0.09	
			<i>For Up To 100, Add</i>	1.97	
			<i>For >100 To 500, Add</i>	0.89	
			<i>For >500 To 1,500, Add</i>	0.45	
05 36 00 00-0006	SF	2"	Deep, 22 Gauge Composite Open Ribbed Galvanized Steel Deck.....	2.79	
			<i>For Painted, Deduct</i>	-0.08	
			<i>For Perforated Or Slotted, Add</i>	0.08	
			<i>For Up To 100, Add</i>	1.37	
			<i>For >100 To 500, Add</i>	0.64	
			<i>For >500 To 1,500, Add</i>	0.30	
05 36 00 00-0007	SF	2"	Deep, 20 Gauge Composite Open Ribbed Galvanized Steel Deck.....	3.03	
			<i>For Painted, Deduct</i>	-0.08	
			<i>For Perforated Or Slotted, Add</i>	0.08	
			<i>For Up To 100, Add</i>	1.52	
			<i>For >100 To 500, Add</i>	0.71	
			<i>For >500 To 1,500, Add</i>	0.34	
05 36 00 00-0008	SF	2"	Deep, 18 Gauge Composite Open Ribbed Galvanized Steel Deck.....	3.42	
			<i>For Painted, Deduct</i>	-0.09	
			<i>For Perforated Or Slotted, Add</i>	0.09	
			<i>For Up To 100, Add</i>	1.82	
			<i>For >100 To 500, Add</i>	0.83	
			<i>For >500 To 1,500, Add</i>	0.41	
05 36 00 00-0009	SF	2"	Deep, 16 Gauge Composite Open Ribbed Galvanized Steel Deck.....	3.78	
			<i>For Painted, Deduct</i>	-0.09	
			<i>For Perforated Or Slotted, Add</i>	0.09	
			<i>For Up To 100, Add</i>	2.12	
			<i>For >100 To 500, Add</i>	0.96	
			<i>For >500 To 1,500, Add</i>	0.48	
05 36 00 00-0010	SF	3"	Deep, 22 Gauge Composite Open Ribbed Galvanized Steel Deck.....	2.93	
			<i>For Painted, Deduct</i>	-0.08	
			<i>For Perforated Or Slotted, Add</i>	0.08	
			<i>For Up To 100, Add</i>	1.43	
			<i>For >100 To 500, Add</i>	0.67	
			<i>For >500 To 1,500, Add</i>	0.32	
05 36 00 00-0011	SF	3"	Deep, 20 Gauge Composite Open Ribbed Galvanized Steel Deck.....	3.17	
			<i>For Painted, Deduct</i>	-0.09	
			<i>For Perforated Or Slotted, Add</i>	0.09	
			<i>For Up To 100, Add</i>	1.60	
			<i>For >100 To 500, Add</i>	0.75	
			<i>For >500 To 1,500, Add</i>	0.36	
05 36 00 00-0012	SF	3"	Deep, 18 Gauge Composite Open Ribbed Galvanized Steel Deck.....	3.61	
			<i>For Painted, Deduct</i>	-0.09	
			<i>For Perforated Or Slotted, Add</i>	0.09	
			<i>For Up To 100, Add</i>	1.95	
			<i>For >100 To 500, Add</i>	0.89	
			<i>For >500 To 1,500, Add</i>	0.44	
05 36 00 00-0013	SF	3"	Deep, 16 Gauge Composite Open Ribbed Galvanized Steel Deck.....	4.08	
			<i>For Painted, Deduct</i>	-0.10	
			<i>For Perforated Or Slotted, Add</i>	0.10	
			<i>For Up To 100, Add</i>	2.30	
			<i>For >100 To 500, Add</i>	1.04	
			<i>For >500 To 1,500, Add</i>	0.53	
05 36 00 00-0014			Composite Cellular Galvanized Steel Deck <small>(05 36)</small>		
			Note: Composite decking has rolled-in embossments or ridges designed to interlock with the concrete slab. Cellular decking is made of a top ribbed sheet and a bottom flat sheet welded together to create hollow longitudinal cells within the panels.		
05 36 00 00-0015	SF	1-1/2"	Deep, 20/20 Gauge Composite Cellular Galvanized Steel Deck.....	4.74	
			<i>For Painted, Deduct</i>	-0.14	
			<i>For Perforated Or Slotted, Add</i>	0.14	
			<i>For Insulated Cells, Add</i>	0.62	
			<i>For Up To 100, Add</i>	2.25	
			<i>For >100 To 500, Add</i>	1.07	
			<i>For >500 To 1,500, Add</i>	0.49	
05 36 00 00-0016	SF	1-1/2"	Deep, 20/18 Gauge Composite Cellular Galvanized Steel Deck.....	5.11	
			<i>For Painted, Deduct</i>	-0.15	
			<i>For Perforated Or Slotted, Add</i>	0.15	
			<i>For Insulated Cells, Add</i>	0.66	
			<i>For Up To 100, Add</i>	2.48	
			<i>For >100 To 500, Add</i>	1.17	
			<i>For >500 To 1,500, Add</i>	0.55	



Metals	05
Metal Decking	05 30
Composite Metal Decking	05 36

05

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 36 00 00-0017 SF 1-1/2" Deep, 18/20 Gauge Composite Cellular Galvanized Steel Deck.....	5.19	
For Painted, Deduct	-0.15	
For Perforated Or Slotted, Add	0.15	
For Insulated Cells, Add	0.66	
For Up To 100, Add	2.56	
For >100 To 500, Add	1.20	
For >500 To 1,500, Add	0.57	
05 36 00 00-0018 SF 1-1/2" Deep, 18/18 Gauge Composite Cellular Galvanized Steel Deck.....	5.55	
For Painted, Deduct	-0.15	
For Perforated Or Slotted, Add	0.15	
For Insulated Cells, Add	0.68	
For Up To 100, Add	2.82	
For >100 To 500, Add	1.31	
For >500 To 1,500, Add	0.63	
05 36 00 00-0019 SF 1-1/2" Deep, 18/16 Gauge Composite Cellular Galvanized Steel Deck.....	5.96	
For Painted, Deduct	-0.16	
For Perforated Or Slotted, Add	0.16	
For Insulated Cells, Add	0.73	
For Up To 100, Add	3.05	
For >100 To 500, Add	1.42	
For >500 To 1,500, Add	0.68	
05 36 00 00-0020 SF 1-1/2" Deep, 16/18 Gauge Composite Cellular Galvanized Steel Deck.....	6.04	
For Painted, Deduct	-0.16	
For Perforated Or Slotted, Add	0.16	
For Insulated Cells, Add	0.73	
For Up To 100, Add	3.13	
For >100 To 500, Add	1.45	
For >500 To 1,500, Add	0.70	
05 36 00 00-0021 SF 1-1/2" Deep, 16/16 Gauge Composite Cellular Galvanized Steel Deck.....	6.40	
For Painted, Deduct	-0.17	
For Perforated Or Slotted, Add	0.17	
For Insulated Cells, Add	0.75	
For Up To 100, Add	3.40	
For >100 To 500, Add	1.56	
For >500 To 1,500, Add	0.77	
05 36 00 00-0022 SF 2" Deep, 20/20 Gauge Composite Cellular Galvanized Steel Deck.....	4.93	
For Painted, Deduct	-0.14	
For Perforated Or Slotted, Add	0.14	
For Insulated Cells, Add	0.64	
For Up To 100, Add	2.38	
For >100 To 500, Add	1.12	
For >500 To 1,500, Add	0.53	
05 36 00 00-0023 SF 2" Deep, 20/18 Gauge Composite Cellular Galvanized Steel Deck.....	5.22	
For Painted, Deduct	-0.15	
For Perforated Or Slotted, Add	0.15	
For Insulated Cells, Add	0.66	
For Up To 100, Add	2.57	
For >100 To 500, Add	1.20	
For >500 To 1,500, Add	0.57	
05 36 00 00-0024 SF 2" Deep, 18/20 Gauge Composite Cellular Galvanized Steel Deck.....	5.30	
For Painted, Deduct	-0.15	
For Perforated Or Slotted, Add	0.15	
For Insulated Cells, Add	0.66	
For Up To 100, Add	2.65	
For >100 To 500, Add	1.24	
For >500 To 1,500, Add	0.59	
05 36 00 00-0025 SF 2" Deep, 18/18 Gauge Composite Cellular Galvanized Steel Deck.....	5.72	
For Painted, Deduct	-0.16	
For Perforated Or Slotted, Add	0.16	
For Insulated Cells, Add	0.70	
For Up To 100, Add	2.91	
For >100 To 500, Add	1.35	
For >500 To 1,500, Add	0.65	
05 36 00 00-0026 SF 2" Deep, 18/16 Gauge Composite Cellular Galvanized Steel Deck.....	6.07	
For Painted, Deduct	-0.16	
For Perforated Or Slotted, Add	0.16	
For Insulated Cells, Add	0.73	
For Up To 100, Add	3.14	
For >100 To 500, Add	1.45	
For >500 To 1,500, Add	0.70	
05 36 00 00-0027 SF 2" Deep, 16/18 Gauge Composite Cellular Galvanized Steel Deck.....	6.20	
For Painted, Deduct	-0.16	
For Perforated Or Slotted, Add	0.16	
For Insulated Cells, Add	0.73	
For Up To 100, Add	3.27	
For >100 To 500, Add	1.50	
For >500 To 1,500, Add	0.74	
05 36 00 00-0028 SF 2" Deep, 16/16 Gauge Composite Cellular Galvanized Steel Deck.....	6.56	
For Painted, Deduct	-0.17	
For Perforated Or Slotted, Add	0.17	
For Insulated Cells, Add	0.77	
For Up To 100, Add	3.49	
For >100 To 500, Add	1.60	
For >500 To 1,500, Add	0.79	

05 Metals**05 30 Metal Decking****05 36 Composite Metal Decking**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 36 00 00-0029 SF 3" Deep, 20/20 Gauge Composite Cellular Galvanized Steel Deck.....	4.94	
For Painted, Deduct	-0.14	
For Perforated Or Slotted, Add	0.14	
For Insulated Cells, Add	0.64	
For Up To 100, Add	2.38	
For >100 To 500, Add	1.12	
For >500 To 1,500, Add	0.53	
05 36 00 00-0030 SF 3" Deep, 20/18 Gauge Composite Cellular Galvanized Steel Deck.....	5.26	
For Painted, Deduct	-0.15	
For Perforated Or Slotted, Add	0.15	
For Insulated Cells, Add	0.66	
For Up To 100, Add	2.61	
For >100 To 500, Add	1.22	
For >500 To 1,500, Add	0.58	
05 36 00 00-0031 SF 3" Deep, 18/20 Gauge Composite Cellular Galvanized Steel Deck.....	5.39	
For Painted, Deduct	-0.15	
For Perforated Or Slotted, Add	0.15	
For Insulated Cells, Add	0.66	
For Up To 100, Add	2.74	
For >100 To 500, Add	1.27	
For >500 To 1,500, Add	0.61	
05 36 00 00-0032 SF 3" Deep, 18/18 Gauge Composite Cellular Galvanized Steel Deck.....	5.77	
For Painted, Deduct	-0.16	
For Perforated Or Slotted, Add	0.16	
For Insulated Cells, Add	0.70	
For Up To 100, Add	2.95	
For >100 To 500, Add	1.37	
For >500 To 1,500, Add	0.66	
05 36 00 00-0033 SF 3" Deep, 18/16 Gauge Composite Cellular Galvanized Steel Deck.....	6.17	
For Painted, Deduct	-0.17	
For Perforated Or Slotted, Add	0.17	
For Insulated Cells, Add	0.75	
For Up To 100, Add	3.18	
For >100 To 500, Add	1.47	
For >500 To 1,500, Add	0.71	
05 36 00 00-0034 SF 3" Deep, 16/18 Gauge Composite Cellular Galvanized Steel Deck.....	6.35	
For Painted, Deduct	-0.17	
For Perforated Or Slotted, Add	0.17	
For Insulated Cells, Add	0.75	
For Up To 100, Add	3.36	
For >100 To 500, Add	1.54	
For >500 To 1,500, Add	0.76	
05 36 00 00-0035 SF 3" Deep, 16/16 Gauge Composite Cellular Galvanized Steel Deck.....	6.64	
For Painted, Deduct	-0.17	
For Perforated Or Slotted, Add	0.17	
For Insulated Cells, Add	0.77	
For Up To 100, Add	3.57	
For >100 To 500, Add	1.63	
For >500 To 1,500, Add	0.81	
05 36 00 00-0036 Non-Cellular, Composite Deck, Galvanized (05 36)		
05 36 00 00-0037 SF 1" Deep x 16 Gauge Composite Metal Deck Galvanized, Non Cellular.....	3.39	
05 36 00 00-0038 SF 1" Deep x 18 Gauge Composite Metal Deck Galvanized, Non Cellular.....	2.83	
05 36 00 00-0039 SF 1" Deep x 20 Gauge Composite Metal Deck Galvanized, Non Cellular.....	2.39	
05 36 00 00-0040 SF 1" Deep x 22 Gauge Composite Metal Deck Galvanized, Non Cellular.....	2.09	
05 36 00 00-0041 SF 1-1/2" Deep x 16 Gauge Composite Metal Deck Galvanized, Non Cellular.....	3.71	
05 36 00 00-0042 SF 1-1/2" Deep x 18 Gauge Composite Metal Deck Galvanized, Non Cellular.....	3.07	
05 36 00 00-0043 SF 1-1/2" Deep x 20 Gauge Composite Metal Deck Galvanized, Non Cellular.....	2.59	
05 36 00 00-0044 SF 1-1/2" Deep x 22 Gauge Composite Metal Deck Galvanized, Non Cellular.....	2.27	
05 36 00 00-0045 SF 3" Deep x 16 Gauge Composite Metal Deck Galvanized, Non Cellular.....	4.32	
05 36 00 00-0046 SF 3" Deep x 18 Gauge Composite Metal Deck Galvanized, Non Cellular.....	3.51	
05 36 00 00-0047 SF 3" Deep x 20 Gauge Composite Metal Deck Galvanized, Non Cellular.....	2.99	
05 36 00 00-0048 SF 3" Deep x 22 Gauge Composite Metal Deck Galvanized, Non Cellular.....	2.72	

05 40 Cold-Formed Metal Framing (05)

Note: Includes all connecting bolts and welds.

05 41 Structural Metal Stud Framing (05 40)

Note: Includes all necessary framing studs, bridging, fasteners necessary to attach to floors, walls, ceilings and a metal stiffener at half height. Per SF of wall area measures one side. Do not deduct for openings of less than 25 SF when calculating total wall square footage.

05 41 00 00-0001 18 Gauge, Load Bearing, Structural Metal Stud Framing With Tracks And Runners (05 41)

05 41 00 00-0002 SF 2-1/2" Width, 16" On Center, 18 Gauge, Load Bearing, Structural Metal Stud Framing With Tracks And Runners.....	3.35	0.79
For Walls >10' High, Add	0.67	
For Curved Wall, Add	0.55	
For Up To 200, Add	1.04	
For >200 To 500, Add	0.52	
For 12" On Center, Add	0.58	
For 24" On Center, Deduct	-0.58	



Metals	05	05
Cold-Formed Metal Framing	05 40	
Structural Metal Stud Framing	05 41	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 41 00 00-0003 SF 3-5/8" Width, 16" On Center, 18 Gauge, Load Bearing, Structural Metal Stud Framing With Tracks And Runners	3.70	0.79
For Walls >10' High, Add	0.74	
For Curved Wall, Add	0.58	
For Up To 200, Add	1.13	
For >200 To 500, Add	0.56	
For 12" On Center, Add	0.64	
For 24" On Center, Deduct	-0.64	
05 41 00 00-0004 SF 4" Width, 16" On Center, 18 Gauge, Load Bearing, Structural Metal Stud Framing With Tracks And Runners.....	3.86	0.79
For Walls >10' High, Add	0.77	
For Curved Wall, Add	0.61	
For Up To 200, Add	1.18	
For >200 To 500, Add	0.59	
For 12" On Center, Add	0.67	
For 24" On Center, Deduct	-0.67	
05 41 00 00-0005 SF 6" Width, 16" On Center, 18 Gauge, Load Bearing, Structural Metal Stud Framing With Tracks And Runners.....	4.76	0.87
For Walls >10' High, Add	0.95	
For Curved Wall, Add	0.63	
For Up To 200, Add	1.37	
For >200 To 500, Add	0.69	
For 12" On Center, Add	0.85	
For 24" On Center, Deduct	-0.85	
05 41 00 00-0006 SF 8" Width, 16" On Center, 18 Gauge, Load Bearing, Structural Metal Stud Framing With Tracks And Runners.....	5.27	0.96
For Walls >10' High, Add	1.05	
For Curved Wall, Add	0.66	
For Up To 200, Add	1.49	
For >200 To 500, Add	0.75	
For 12" On Center, Add	0.94	
For 24" On Center, Deduct	-0.94	
05 41 00 00-0007 16 Gauge, Load Bearing, Structural Metal Stud Framing With Tracks And Runners (05 41)		
05 41 00 00-0008 SF 2-1/2" Width, 16" On Center, 16 Gauge, Load Bearing, Structural Metal Stud Framing With Tracks And Runners	3.59	0.79
For Walls >10' High, Add	0.72	
For Curved Wall, Add	0.58	
For Up To 200, Add	1.11	
For >200 To 500, Add	0.55	
For 12" On Center, Add	0.62	
For 24" On Center, Deduct	-0.62	
05 41 00 00-0009 SF 3-5/8" Width, 16" On Center, 16 Gauge, Load Bearing, Structural Metal Stud Framing With Tracks And Runners	4.08	0.79
For Walls >10' High, Add	0.82	
For Curved Wall, Add	0.61	
For Up To 200, Add	1.22	
For >200 To 500, Add	0.61	
For 12" On Center, Add	0.71	
For 24" On Center, Deduct	-0.71	
05 41 00 00-0010 SF 4" Width, 16" On Center, 16 Gauge, Load Bearing, Structural Metal Stud Framing With Tracks And Runners.....	4.29	0.79
For Walls >10' High, Add	0.86	
For Curved Wall, Add	0.63	
For Up To 200, Add	1.28	
For >200 To 500, Add	0.64	
For 12" On Center, Add	0.75	
For 24" On Center, Deduct	-0.75	
05 41 00 00-0011 SF 6" Width, 16" On Center, 16 Gauge, Load Bearing, Structural Metal Stud Framing With Tracks And Runners.....	5.29	0.96
For Walls >10' High, Add	1.06	
For Curved Wall, Add	0.67	
For Up To 200, Add	1.50	
For >200 To 500, Add	0.75	
For 12" On Center, Add	0.95	
For 24" On Center, Deduct	-0.95	
05 41 00 00-0012 SF 8" Width, 16" On Center, 16 Gauge, Load Bearing, Structural Metal Stud Framing With Tracks And Runners.....	5.78	1.05
For Walls >10' High, Add	1.16	
For Curved Wall, Add	0.70	
For Up To 200, Add	1.62	
For >200 To 500, Add	0.81	
For 12" On Center, Add	1.04	
For 24" On Center, Deduct	-1.04	
05 41 00 00-0013 14 Gauge, Load Bearing, Structural Metal Stud Framing With Tracks And Runners (05 41)		
05 41 00 00-0014 SF 3-5/8" Width, 16" On Center, 14 Gauge, Load Bearing, Structural Metal Stud Framing With Tracks And Runners	4.86	1.09
For Walls >10' High, Add	0.97	
For Curved Wall, Add	0.73	
For Up To 200, Add	1.46	
For >200 To 500, Add	0.73	
For 12" On Center, Add	0.85	
For 24" On Center, Deduct	-0.85	
05 41 00 00-0015 SF 4" Width, 16" On Center, 14 Gauge, Load Bearing, Structural Metal Stud Framing With Tracks And Runners.....	4.98	1.12
For Walls >10' High, Add	1.00	
For Curved Wall, Add	0.74	
For Up To 200, Add	1.49	
For >200 To 500, Add	0.75	
For 12" On Center, Add	0.87	
For 24" On Center, Deduct	-0.87	

05 Metals**05 40 Cold-Formed Metal Framing****05 41 Structural Metal Stud Framing**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 41 00 00-0016 SF 6" Width, 16" On Center, 14 Gauge, Load Bearing, Structural Metal Stud Framing With Tracks And Runners.....	6.08	1.18
For Walls >10' High, Add	1.22	
For Curved Wall, Add	0.78	
For Up To 200, Add	1.74	
For >200 To 500, Add	0.87	
For 12" On Center, Add	1.09	
For 24" On Center, Deduct	-1.09	
05 41 00 00-0017 SF 8" Width, 16" On Center, 14 Gauge, Load Bearing, Structural Metal Stud Framing With Tracks And Runners.....	6.64	1.23
For Walls >10' High, Add	1.33	
For Curved Wall, Add	0.82	
For Up To 200, Add	1.87	
For >200 To 500, Add	0.94	
For 12" On Center, Add	1.19	
For 24" On Center, Deduct	-1.19	

05 42 Cold-Formed Metal Joist Framing (05 40)**05 42 33 Cold-Formed Metal Joist Framing (05 42)****05 42 33 00-0001 Steel Joists, 20 Gauge (05 42 33)**

05 42 33 00-0002 LF 5-1/2" - 20 Gauge Steel Joists	6.69	1.89
05 42 33 00-0003 LF 6" - 20 Gauge Steel Joists	7.44	2.37
05 42 33 00-0004 LF 7-1/4" - 20 Gauge Steel Joists	8.05	2.59
05 42 33 00-0005 LF 8" - 20 Gauge Steel Joists	8.97	2.76

05 42 33 00-0006 Steel Joists, 18 Gauge (05 42 33)

05 42 33 00-0007 LF 5-1/2" - 18 Gauge Steel Joists	7.45	2.10
05 42 33 00-0008 LF 6" - 18 Gauge Steel Joists	8.30	2.63
05 42 33 00-0009 LF 7-1/4" - 18 Gauge Steel Joists	9.00	2.88
05 42 33 00-0010 LF 8" - 18 Gauge Steel Joists	9.31	3.06

05 42 33 00-0011 Steel Joists, 16 Gauge (05 42 33)

05 42 33 00-0012 LF 7-1/4" - 16 Gauge Steel Joists	9.65	2.91
05 42 33 00-0013 LF 8" - 16 Gauge Steel Joists	10.18	3.06

05 42 33 00-0014 Steel Joists, 14 Gauge (05 42 33)

05 42 33 00-0015 LF 9-1/4" - 14 Gauge Steel Joists	11.32	3.06
05 42 33 00-0016 LF 11-1/2" - 14 Gauge Steel Joists	12.26	3.23

05 42 33 00-0017 Steel Joists, 12 Gauge (05 42 33)

05 42 33 00-0018 LF 9-1/4" - 12 Gauge Steel Joists	13.36	3.38
05 42 33 00-0019 LF 11-1/2" - 12 Gauge Steel Joists	14.55	3.56

05 42 33 00-0020 Steel Joists, 10 Gauge (05 42 33)

05 42 33 00-0021 LF 9-1/4" - 10 Gauge Steel Joists	15.43	3.72
05 42 33 00-0022 LF 11-1/2" - 10 Gauge Steel Joists	16.90	3.91

05 42 33 00-0023 Steel Joists, 8 Gauge (05 42 33)

05 42 33 00-0024 LF 9-1/4" - 8 Gauge Steel Joists	17.57	4.09
05 42 33 00-0025 LF 11-1/2" - 8 Gauge Steel Joists	19.27	4.31

05 43 Slotted Channel Framing (05 40)**05 43 00 00-0001 Unistrut Channel (05 43)****05 43 00 00-0002 Steel Unistrut Channel (05 43 00 00-0001)**

05 43 00 00-0003 LF 1-5/8" Wide x 1-5/8" High, 12 Gauge, Steel Unistrut Channel	8.54	2.02
For Galvanizing, Add	0.77	
For Powder Coating, Add	0.68	
05 43 00 00-0004 LF 1-5/8" Wide x 1-3/8" High, 12 Gauge, Steel Unistrut Channel	8.76	2.02
For Galvanizing, Add	0.80	
For Powder Coating, Add	0.71	
05 43 00 00-0005 LF 1-5/8" Wide x 13/16" High, 12 Gauge, Steel Unistrut Channel.....	9.10	2.02
For Galvanizing, Add	0.86	
For Powder Coating, Add	0.76	
05 43 00 00-0006 LF 1-5/8" Wide x 1-5/8" High, 14 Gauge, Steel Unistrut Channel	8.11	2.02
For Galvanizing, Add	0.69	
For Powder Coating, Add	0.61	
05 43 00 00-0007 LF 1-5/8" Wide x 13/16" High, 14 Gauge, Steel Unistrut Channel.....	7.15	2.02
For Galvanizing, Add	0.53	
For Powder Coating, Add	0.47	



Metals	05
Cold-Formed Metal Framing	05 40
Slotted Channel Framing	05 43

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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 43 00 00-0008 Stainless Steel Unistrut Channel (05 43 00 00-0001)		
05 43 00 00-0009 304 Stainless Steel Unistrut Channel (05 43 00 00-0008)		
05 43 00 00-0010 LF 1-5/8" Wide x 13/16" High, 14 Gauge, 304 Stainless Steel Unistrut Channel.....	16.63	2.02
05 43 00 00-0011 LF 1-5/8" Wide x 13/16" High, 12 Gauge, 304 Stainless Steel Unistrut Channel.....	19.70	2.02
05 43 00 00-0012 LF 1-5/8" Wide x 1-5/8" High, 14 Gauge, 304 Stainless Steel Unistrut Channel.....	18.94	2.02
05 43 00 00-0013 LF 1-5/8" Wide x 1-5/8" High, 12 Gauge, 304 Stainless Steel Unistrut Channel.....	23.69	2.02
05 43 00 00-0014 316 Stainless Steel Unistrut Channel (05 43 00 00-0008)		
05 43 00 00-0015 LF 1-5/8" Wide x 13/16" High, 14 Gauge, 316 Stainless Steel Unistrut Channel.....	26.61	2.02
05 43 00 00-0016 Unistrut Closure Strips (05 43)		
05 43 00 00-0017 LF Raceway Closure Strip For Unistrut Channel	4.29	0.44
05 43 00 00-0018 Lock Nuts With Spring For Unistrut Channel (05 43)		
Note: Includes hex bolt.		
05 43 00 00-0019 Steel Lock Nuts With Spring For Unistrut Channel (05 43 00 00-0018)		
Note: Includes hex bolt.		
05 43 00 00-0020 EA 1/4-20, Steel Lock Nut With Spring For Unistrut Channel.....	5.79	
05 43 00 00-0021 EA 3/8-16, Steel Lock Nut With Spring For Unistrut Channel.....	6.25	
05 43 00 00-0022 EA 1/2-13, Steel Lock Nut With Spring For Unistrut Channel.....	6.60	
05 43 00 00-0023 EA 5/8-11, Steel Lock Nut With Spring For Unistrut Channel.....	8.48	
05 43 00 00-0024 Stainless Steel Lock Nuts With Spring For Unistrut Channel (05 43 00 00-0018)		
Note: Includes hex bolt.		
05 43 00 00-0025 EA 1/4-20, 316 Stainless Steel Lock Nut With Spring For Unistrut Channel	10.26	
05 43 00 00-0026 EA 3/8-16, 316 Stainless Steel Lock Nut With Spring For Unistrut Channel	10.82	
05 43 00 00-0027 EA 1/2-13, 316 Stainless Steel Lock Nut With Spring For Unistrut Channel	14.69	
05 43 00 00-0028 EA 5/8-11, 316 Stainless Steel Lock Nut With Spring For Unistrut Channel	24.06	
05 43 00 00-0029 Lock Nuts Without Spring For Unistrut Channel (05 43)		
Note: Includes hex bolt.		
05 43 00 00-0030 Steel Lock Nuts Without Spring For Unistrut Channel (05 43 00 00-0029)		
Note: Includes hex bolt.		
05 43 00 00-0031 EA 1/4-20, Steel Lock Nut Without Spring For Unistrut Channel.....	5.80	
05 43 00 00-0032 EA 3/8-16, Steel Lock Nut Without Spring For Unistrut Channel.....	6.32	
05 43 00 00-0033 EA 1/2-13, Steel Lock Nut Without Spring For Unistrut Channel.....	6.63	
05 43 00 00-0034 EA 5/8-11, Steel Lock Nut Without Spring For Unistrut Channel.....	9.03	
05 43 00 00-0035 Stainless Steel Lock Nuts Without Spring For Unistrut Channel (05 43 00 00-0029)		
Note: Includes hex bolt.		
05 43 00 00-0036 EA 1/4-20, 316 Stainless Steel Lock Nut Without Spring For Unistrut Channel	7.78	
05 43 00 00-0037 EA 3/8-16, 316 Stainless Steel Lock Nut Without Spring For Unistrut Channel	9.07	
05 43 00 00-0038 EA 1/2-13, 316 Stainless Steel Lock Nut Without Spring For Unistrut Channel	9.75	
05 43 00 00-0039 EA 5/8-11, 316 Stainless Steel Lock Nut Without Spring For Unistrut Channel	23.48	
05 43 00 00-0040 Beam Clamp For Unistrut Channel (05 43)		
05 43 00 00-0041 EA Unistrut Beam Clamp, 1-5/8" Channel P2675.....	16.93	6.71
05 43 00 00-0042 EA Unistrut Beam Clamp, 1-5/8" Channel P2676.....	20.20	6.71
05 43 00 00-0043 EA Add For Unistrut Swivel Nut, P2676	1.78	
05 43 00 00-0044 Beam Clamp Clevis Hangers (05 43)		
05 43 00 00-0045 EA Up To 3/8" Rod, Beam Clamp Clevis Hanger (Unistrut P2674).....	18.06	6.71
05 43 00 00-0046 EA Up To 1/2" Rod, Beam Clamp Clevis Hanger (Unistrut P2677).....	20.67	6.71
05 43 00 00-0047 EA Add For Unistrut Swivel Nut.....	1.78	
05 43 00 00-0048 EA 6-Hole ElectroGalvanized Steel Shelf Bracket For Unistrut.....	96.84	8.95
05 43 00 00-0049 Pipe And Rigid Conduit Clamps (05 43)		
05 43 00 00-0050 Pipe And Rigid Conduit Clamps (05 43 00 00-0049)		
Note: Includes stainless steel (316) hardware.		
05 43 00 00-0051 PR 1/2" Pipe And Rigid Steel Conduit Clamps With Stainless Steel (316) Hardware.....	6.78	1.97
05 43 00 00-0052 PR 3/4" Pipe And Rigid Steel Conduit Clamps With Stainless Steel (316) Hardware.....	6.96	1.97
05 43 00 00-0053 PR 1" Pipe And Rigid Steel Conduit Clamps With Stainless Steel (316) Hardware.....	7.94	2.38
05 43 00 00-0054 PR 1-1/4" Pipe And Rigid Steel Conduit Clamps With Stainless Steel (316) Hardware	8.38	2.59
05 43 00 00-0055 PR 1-1/2" Pipe And Rigid Steel Conduit Clamps With Stainless Steel (316) Hardware	10.82	2.91
05 43 00 00-0056 PR 2" Pipe And Rigid Steel Conduit Clamps With Stainless Steel (316) Hardware.....	10.82	2.91
05 43 00 00-0057 PR 2-1/2" Pipe And Rigid Steel Conduit Clamps With Stainless Steel (316) Hardware	16.44	4.88
05 43 00 00-0058 PR 3" Pipe And Rigid Steel Conduit Clamps With Stainless Steel (316) Hardware.....	16.79	4.88
05 43 00 00-0059 PR 3-1/2" Pipe And Rigid Steel Conduit Clamps With Stainless Steel (316) Hardware	17.88	5.40

05	05 Metals
	05 40 Cold-Formed Metal Framing
	05 43 Slotted Channel Framing



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 43 00 00-0060 PR 4" Pipe And Rigid Steel Conduit Clamps With Stainless Steel (316) Hardware.....	19.83	5.81
05 43 00 00-0061 Pipe And Rigid Conduit Clamps (05 43 00 00-0049) Note: Includes nylon hardware.		
05 43 00 00-0062 PR 1/2" Pipe And Rigid Steel Conduit Clamps With Nylon Hardware.....	6.94	1.97
05 43 00 00-0063 PR 3/4" Pipe And Rigid Steel Conduit Clamps With Nylon Hardware.....	7.12	1.97
05 43 00 00-0064 PR 1" Pipe And Rigid Steel Conduit Clamps With Nylon Hardware.....	8.10	2.38
05 43 00 00-0065 PR 1-1/4" Pipe And Rigid Steel Conduit Clamps With Nylon Hardware.....	8.56	2.59
05 43 00 00-0066 PR 1-1/2" Pipe And Rigid Steel Conduit Clamps With Nylon Hardware.....	11.09	2.91
05 43 00 00-0067 PR 2" Pipe And Rigid Steel Conduit Clamps With Nylon Hardware.....	11.09	2.91
05 43 00 00-0068 PR 2-1/2" Pipe And Rigid Steel Conduit Clamps With Nylon Hardware.....	16.81	4.88
05 43 00 00-0069 PR 3" Pipe And Rigid Steel Conduit Clamps With Nylon Hardware.....	17.18	4.88
05 43 00 00-0070 PR 3-1/2" Pipe And Rigid Steel Conduit Clamps With Nylon Hardware.....	18.27	5.40
05 43 00 00-0071 PR 4" Pipe And Rigid Steel Conduit Clamps With Nylon Hardware.....	20.28	5.81

05 45 Metal Support Assemblies (05 40)

05 45 13 Mechanical Metal Supports (05 45)

See CSI section 23 05 29 00-0000 for metal supports.

05 45 16 Electrical Metal Supports (05 45)

See CSI section 26 05 29 00-0000 for metal supports.

05 50 Metal Fabrications (05)

05 51 Metal Stairs (05 50)

05 51 13 Metal Pan Stairs (05 51)

Note: Open concrete filled metal pan stair and landing including steel stringer, safety nosing and concrete. Excludes handrail.
See CSI section 05 52 13 00-0000 for handrails.

05 51 13 00-0001 Open Concrete Filled Metal Pan Stair And Landing (05 51 13)

Note: Includes steel stringer, safety nosing and concrete. Excludes handrail.

05 51 13 00-0002 RSR 3'-6" Wide Open Concrete Filled Metal Pan Tread Stair.....	542.68	25.90
For Closed Riser, Add	61.57	
05 51 13 00-0003 RSR 4'-0" Wide Open Concrete Filled Metal Pan Tread Stair.....	617.51	30.23
For Closed Riser, Add	69.95	
05 51 13 00-0004 RSR 5'-0" Wide Open Concrete Filled Metal Pan Tread Stair.....	689.68	35.41
For Closed Riser, Add	77.90	
05 51 13 00-0005 SF Concrete Filled Steel Pan Landing.....	73.24	4.32
Note: Conventional shape.		

05 51 19 Metal Grating Stairs (05 51)

Note: Open steel grating tread metal stair and landing including steel stringers, safety nosing and 2 pipe handrail.

05 51 19 00-0001 Open Steel Grating Tread Metal Stair And Landing (05 51 19)

Note: Includes steel stringers, safety nosing and 2 pipe handrail.

05 51 19 00-0002 RSR 3'-6" Wide Open Steel Grating Tread Metal Stair.....	274.21	34.55
For Closed Riser, Add	31.85	
For Galvanized Steel, Add	51.28	
05 51 19 00-0003 RSR 4'-0" Wide Open Steel Grating Tread Metal Stair.....	294.34	39.73
For Closed Riser, Add	33.89	
For Galvanized Steel, Add	53.72	
05 51 19 00-0004 RSR 5'-0" Wide Open Steel Grating Tread Metal Stair.....	327.70	46.64
For Closed Riser, Add	37.47	
For Galvanized Steel, Add	58.61	
05 51 19 00-0005 SF Steel Grating Landing With Framing And 2 Pipe Handrail.....	52.43	4.32
Note: Conventional shape.		
For Galvanized Steel, Add	8.79	

05 51 33 Metal Ladders (05 51)

Note: Includes factory prime.

05 51 33 13 Vertical Metal Ladders (05 51 33)

05 51 33 13-0001 Vertical Ladders (05 51 33 13)

Note: Climbing rungs are 3/4" corrugated steel round rungs on 12" centers. Stand-off brackets are 7"

05 51 33 13-0002 VLF 20" Wide Vertical Steel Ladder Primed.....	77.48	10.36
For Galvanized Steel, Add	11.24	
For Aluminum, Add	22.48	
05 51 33 13-0003 VLF 24" Wide Vertical Steel Ladder Primed.....	88.87	10.36
For Galvanized Steel, Add	14.09	
For Aluminum, Add	28.18	
05 51 33 13-0004 VLF 20" Wide Vertical Steel Caged Ladder Primed.....	185.65	17.27
For Galvanized Steel, Add	32.65	
For Aluminum, Add	65.30	
05 51 33 13-0005 VLF 24" Wide Vertical Steel Caged Ladder Primed.....	208.44	17.27
For Galvanized Steel, Add	38.35	
For Aluminum, Add	76.70	



Metals	05	05
Metal Fabrications	05 50	
Metal Stairs	05 51	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 51 33 13-0006 Vertical Ladders Options (05 51 33 13)		
05 51 33 13-0007 EA 20" Wide Vertical Steel Ladder Walk-Thru Handrails, Primed Note: Extends 42" above landing surface. Includes mounting bracket. <i>For Galvanized Steel, Add</i> <i>For Aluminum, Add</i>	208.33 35.89 71.78	32.38
05 51 33 13-0008 EA 24" Wide Vertical Steel Ladder Walk-Thru Handrails, Primed Note: Extends 42" above landing surface. Includes mounting bracket. <i>For Galvanized Steel, Add</i> <i>For Aluminum, Add</i>	227.41 39.58 79.16	34.55
05 51 33 13-0009 EA Security Cage Entry Gate With Lockable Hasp	285.47	10.79
05 51 33 13-0010 EA 6' Security Ladder Guard.....	639.35	64.78
05 51 33 13-0011 EA 8' Security Ladder Guard.....	763.32	75.57
05 51 33 13-0012 EA Safety Chain Attachment	114.38	
05 51 33 13-0013 Welded Steel Ladder Cages (05 51 33 13)		
Note: For existing fixed ladders up to 20" wide. Excludes the ladder.		
05 51 33 13-0014 Powder Coated, Welded Steel Ladder Cages (05 51 33 13-0013)		
05 51 33 13-0015 EA 7-1/2' Length, Powder Coated, Welded Steel Ladder Cage	1,187.28	129.54
05 51 33 13-0016 EA 8-1/2' Length, Powder Coated, Welded Steel Ladder Cage	1,285.00	133.86
05 51 33 13-0017 EA 9-1/2' Length, Powder Coated, Welded Steel Ladder Cage	1,363.34	138.18
05 51 33 13-0018 EA 10-1/2' Length, Powder Coated, Welded Steel Ladder Cage	1,446.86	142.50
05 51 33 13-0019 EA 11-1/2' Length, Powder Coated, Welded Steel Ladder Cage	1,496.80	146.81
05 51 33 13-0020 EA 12-1/2' Length, Powder Coated, Welded Steel Ladder Cage	1,576.45	151.13
05 51 33 13-0021 EA 13-1/2' Length, Powder Coated, Welded Steel Ladder Cage	1,647.04	155.45
05 51 33 13-0022 EA 14-1/2' Length, Powder Coated, Welded Steel Ladder Cage	1,738.29	159.77
05 51 33 13-0023 EA 15-1/2' Length, Powder Coated, Welded Steel Ladder Cage	1,826.97	164.09
05 51 33 13-0024 EA 16-1/2' Length, Powder Coated, Welded Steel Ladder Cage	1,900.15	168.40
05 51 33 13-0025 EA 17-1/2' Length, Powder Coated, Welded Steel Ladder Cage	1,988.84	172.72
05 51 33 13-0026 EA 18-1/2' Length, Powder Coated, Welded Steel Ladder Cage	2,074.93	177.04
05 51 33 13-0027 EA 19-1/2' Length, Powder Coated, Welded Steel Ladder Cage	2,159.74	181.36
05 51 33 13-0028 EA 20-1/2' Length, Powder Coated, Welded Steel Ladder Cage	2,311.66	185.67
05 51 33 13-0029 EA 21-1/2' Length, Powder Coated, Welded Steel Ladder Cage	2,359.03	189.99
05 51 33 13-0030 EA 22-1/2' Length, Powder Coated, Welded Steel Ladder Cage	2,438.66	194.32
05 51 33 13-0031 EA 23-1/2' Length, Powder Coated, Welded Steel Ladder Cage	2,511.85	198.63
05 51 33 13-0032 EA 24-1/2' Length, Powder Coated, Welded Steel Ladder Cage	2,579.88	202.95
05 51 33 13-0033 EA 25-1/2' Length, Powder Coated, Welded Steel Ladder Cage	2,727.94	207.26
05 51 33 13-0034 EA 26-1/2' Length, Powder Coated, Welded Steel Ladder Cage	2,808.86	211.59
05 51 33 13-0035 EA 27-1/2' Length, Powder Coated, Welded Steel Ladder Cage	2,884.63	215.90
05 51 33 13-0036 Stainless Steel, Welded Steel Ladder Cages (05 51 33 13-0013)		
05 51 33 13-0037 EA 7-1/2' Length, Stainless Steel, Welded Steel Ladder Cage	2,713.78	129.54
05 51 33 13-0038 EA 8-1/2' Length, Stainless Steel, Welded Steel Ladder Cage	2,896.17	133.86
05 51 33 13-0039 EA 9-1/2' Length, Stainless Steel, Welded Steel Ladder Cage	3,198.09	138.18
05 51 33 13-0040 EA 10-1/2' Length, Stainless Steel, Welded Steel Ladder Cage	3,348.45	142.50
05 51 33 13-0041 EA 11-1/2' Length, Stainless Steel, Welded Steel Ladder Cage	3,475.38	146.81
05 51 33 13-0042 EA 12-1/2' Length, Stainless Steel, Welded Steel Ladder Cage	3,642.98	151.13
05 51 33 13-0043 EA 13-1/2' Length, Stainless Steel, Welded Steel Ladder Cage	3,942.43	155.45
05 51 33 13-0044 EA 14-1/2' Length, Stainless Steel, Welded Steel Ladder Cage	4,095.24	159.77
05 51 33 13-0045 EA 15-1/2' Length, Stainless Steel, Welded Steel Ladder Cage	4,252.98	164.09
05 51 33 13-0046 EA 16-1/2' Length, Stainless Steel, Welded Steel Ladder Cage	4,425.50	168.40
05 51 33 13-0047 EA 17-1/2' Length, Stainless Steel, Welded Steel Ladder Cage	4,731.13	172.72
05 51 33 13-0048 EA 18-1/2' Length, Stainless Steel, Welded Steel Ladder Cage	4,885.17	177.04
05 51 33 13-0049 EA 19-1/2' Length, Stainless Steel, Welded Steel Ladder Cage	5,031.83	181.36
05 51 33 13-0050 EA 20-1/2' Length, Stainless Steel, Welded Steel Ladder Cage	5,273.36	185.67
05 51 33 13-0051 EA 21-1/2' Length, Stainless Steel, Welded Steel Ladder Cage	5,544.48	189.99
05 51 33 13-0052 EA 22-1/2' Length, Stainless Steel, Welded Steel Ladder Cage	5,696.05	194.32
05 51 33 13-0053 EA 23-1/2' Length, Stainless Steel, Welded Steel Ladder Cage	5,851.33	198.63
05 51 33 13-0054 EA 24-1/2' Length, Stainless Steel, Welded Steel Ladder Cage	5,996.75	202.95
05 51 33 13-0055 EA 25-1/2' Length, Stainless Steel, Welded Steel Ladder Cage	6,366.45	207.26
05 51 33 13-0056 EA 26-1/2' Length, Stainless Steel, Welded Steel Ladder Cage	6,511.87	211.59
05 51 33 13-0057 EA 27-1/2' Length, Stainless Steel, Welded Steel Ladder Cage	6,660.99	215.90
05 51 33 16 Inclined Metal Ladders (05 51 33)		
05 51 33 16-0001 Industrial Ship Ladder, Incline Stairs (05 51 33 16)		
Note: Includes factory prime.		
05 51 33 16-0002 RSR 3' Wide Industrial Steel Ship Ladder With 2 Rails Each Side..... <i>For Aluminum, Add</i>	209.13 61.39	43.18
05 51 33 23 Alternating Tread Ladders (05 51 33)		
05 51 33 23-0001 Vertical Ladders With Alternating Tread (05 51 33 23)		
05 51 33 23-0002 EA 4' Vertical Height Aluminum Alternating Tread Ladder	1,347.25	129.54
<i>For Stainless Steel, Add</i>	196.80	
<i>For Primed Steel, Deduct</i>	-191.42	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 51	33 23-0003	EA	5' Vertical Height Aluminum Alternating Tread Ladder	1,531.42	137.32
			<i>For Stainless Steel, Add</i>	240.90	
			<i>For Primed Steel, Deduct</i>	-223.30	
05 51	33 23-0004	EA	6' Vertical Height Aluminum Alternating Tread Ladder	1,682.96	137.32
			<i>For Stainless Steel, Add</i>	288.67	
			<i>For Primed Steel, Deduct</i>	-241.55	
05 51	33 23-0005	EA	7' Vertical Height Aluminum Alternating Tread Ladder	1,938.27	172.55
			<i>For Stainless Steel, Add</i>	347.24	
			<i>For Primed Steel, Deduct</i>	-256.61	
05 51	33 23-0006	EA	8' Vertical Height Aluminum Alternating Tread Ladder	2,116.01	178.66
			<i>For Stainless Steel, Add</i>	388.99	
			<i>For Primed Steel, Deduct</i>	-298.53	
05 51	33 23-0007	EA	9' Vertical Height Aluminum Alternating Tread Ladder	2,249.91	178.66
			<i>For Stainless Steel, Add</i>	453.51	
			<i>For Primed Steel, Deduct</i>	-293.53	
05 51	33 23-0008	EA	10' Vertical Height Aluminum Alternating Tread Ladder.....	2,474.24	199.29
			<i>For Stainless Steel, Add</i>	497.40	
			<i>For Primed Steel, Deduct</i>	-327.55	
05 51	33 23-0009	EA	11' Vertical Height Aluminum Alternating Tread Ladder.....	2,624.26	199.29
			<i>For Stainless Steel, Add</i>	546.61	
			<i>For Primed Steel, Deduct</i>	-347.07	
05 51	33 23-0010	EA	12' Vertical Height Aluminum Alternating Tread Ladder.....	2,740.99	199.29
			<i>For Stainless Steel, Add</i>	623.99	
			<i>For Primed Steel, Deduct</i>	-346.65	

05 52 Metal Railings (05 50)**05 52 13 Pipe And Tube Railings** (05 52)

Note: Includes sleeves, grouting, connection bolts (where necessary) and drilling of bolt (where necessary).

05 52 13 00-0001 **Welded Steel Pipe Railing** (05 52 13)

Note: Includes field welds and touch-up of welds.

05 52 13 00-0002 **One Rail, Up To 42" High, Welded Steel Pipe Railings** (05 52 13 00-0001)

Note: Includes factory primed posts and one rail.

05 52	13 00-0003	LF	1" Diameter, Schedule 40, One Rail, Up To 42" High, Welded Steel Pipe Railing.....	34.94	8.63
			<i>For Schedule 80 Handrail, Add</i>	2.67	
			<i>For 11 Gauge A513 Steel Tubing, Deduct</i>	-3.89	
			<i>For 12 Gauge A513 Steel Tubing, Deduct</i>	-4.42	
			<i>For 14 Gauge A513 Steel Tubing, Deduct</i>	-5.83	
			<i>For 16 Gauge A513 Steel Tubing, Deduct</i>	-6.89	
			<i>For Additional Off Set Handrail, ADA Attachment, Add</i>	11.94	
			<i>For Aluminum, Satin Finish, Add</i>	7.42	
			<i>For Aluminum, Clear Anodized Finish, Add</i>	11.49	
			<i>For Aluminum, Dark Anodized Finish, Add</i>	13.25	
			<i>For Galvanizing, Add</i>	7.07	
			<i>For Wrought Iron, Add</i>	3.49	
			<i>For Solid Steel Rails, Add</i>	6.99	
			<i>For 304 Stainless Steel, Add</i>	56.54	
			<i>For 316 Stainless Steel, Add</i>	63.61	
			<i>For 2" Wheel Guard, Add</i>	1.68	
			<i>For 4" High Kick Plate, Add</i>	2.21	
			<i>For 6" High Kick Plate, Add</i>	3.53	
			<i>For Curved Rail, Add</i>	15.78	
			<i>For Mounting On Stairs, Add</i>	4.36	
			<i>For Mounting On Slopes, Add</i>	1.73	
			<i>For Post Base Flange With Screws, Add Per Post</i>	19.23	
			<i>For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post</i>	29.09	
			<i>For Custom Design Or Shapes (Square Tops, etc), Add</i>	13.15	
			<i>For Nylon Coating, Add</i>	2.65	
05 52	13 00-0004	LF	1-1/4" Diameter, Schedule 40, One Rail, Up To 42" High, Welded Steel Pipe Railing.....	37.99	8.63
			<i>For Schedule 80 Handrail, Add</i>	3.76	
			<i>For 11 Gauge A513 Steel Tubing, Deduct</i>	-4.56	
			<i>For 12 Gauge A513 Steel Tubing, Deduct</i>	-5.18	
			<i>For 14 Gauge A513 Steel Tubing, Deduct</i>	-6.84	
			<i>For 16 Gauge A513 Steel Tubing, Deduct</i>	-8.08	
			<i>For Additional Off Set Handrail, ADA Attachment, Add</i>	11.94	
			<i>For Aluminum, Satin Finish, Add</i>	8.70	
			<i>For Aluminum, Clear Anodized Finish, Add</i>	13.47	
			<i>For Aluminum, Dark Anodized Finish, Add</i>	15.54	
			<i>For Galvanizing, Add</i>	8.29	
			<i>For Wrought Iron, Add</i>	3.80	
			<i>For Solid Steel Rails, Add</i>	7.60	
			<i>For 304 Stainless Steel, Add</i>	66.30	
			<i>For 316 Stainless Steel, Add</i>	74.59	
			<i>For 2" Wheel Guard, Add</i>	1.97	
			<i>For 4" High Kick Plate, Add</i>	2.59	
			<i>For 6" High Kick Plate, Add</i>	4.14	
			<i>For Curved Rail, Add</i>	17.61	
			<i>For Mounting On Stairs, Add</i>	4.66	
			<i>For Mounting On Slopes, Add</i>	1.73	
			<i>For Post Base Flange With Screws, Add Per Post</i>	19.23	
			<i>For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post</i>	29.09	
			<i>For Custom Design Or Shapes (Square Tops, etc), Add</i>	14.68	
			<i>For Nylon Coating, Add</i>	3.11	



Metals	05	05
Metal Fabrications	05 50	
Metal Railings	05 52	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 52 13 00-0005 LF 1-1/2" Diameter, Schedule 40, One Rail, Up To 42" High, Welded Steel Pipe Railing	41.03	8.63
For Schedule 80 Handrail, Add	3.76	
For 11 Gauge A513 Steel Tubing, Deduct	-5.23	
For 12 Gauge A513 Steel Tubing, Deduct	-5.94	
For 14 Gauge A513 Steel Tubing, Deduct	-7.84	
For 16 Gauge A513 Steel Tubing, Deduct	-9.27	
For Additional Off Set Handrail, ADA Attachment, Add	11.94	
For Aluminum, Satin Finish, Add	9.98	
For Aluminum, Clear Anodized Finish, Add	15.44	
For Aluminum, Dark Anodized Finish, Add	17.82	
For Galvanizing, Add	9.50	
For Wrought Iron, Add	4.10	
For Solid Steel Rails, Add	8.21	
For 304 Stainless Steel, Add	76.03	
For 316 Stainless Steel, Add	85.54	
For 2" Wheel Guard, Add	2.26	
For 4" High Kick Plate, Add	2.97	
For 6" High Kick Plate, Add	4.75	
For Curved Rail, Add	19.44	
For Mounting On Stairs, Add	4.97	
For Mounting On Slopes, Add	1.73	
For Post Base Flange With Screws, Add Per Post	19.23	
For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post	29.09	
For Custom Design Or Shapes (Square Tops, etc), Add	16.20	
For Nylon Coating, Add	3.56	
05 52 13 00-0006 LF 2" Diameter, Schedule 40, One Rail, Up To 42" High, Welded Steel Pipe Railing.....	46.31	8.63
For Schedule 80 Handrail, Add	4.21	
For 11 Gauge A513 Steel Tubing, Deduct	-6.39	
For 12 Gauge A513 Steel Tubing, Deduct	-7.26	
For 14 Gauge A513 Steel Tubing, Deduct	-9.58	
For 16 Gauge A513 Steel Tubing, Deduct	-11.33	
For Additional Off Set Handrail, ADA Attachment, Add	11.94	
For Aluminum, Satin Finish, Add	12.20	
For Aluminum, Clear Anodized Finish, Add	18.88	
For Aluminum, Dark Anodized Finish, Add	21.78	
For Galvanizing, Add	11.62	
For Wrought Iron, Add	4.63	
For Solid Steel Rails, Add	9.26	
For 304 Stainless Steel, Add	92.93	
For 316 Stainless Steel, Add	104.54	
For 2" Wheel Guard, Add	2.76	
For 4" High Kick Plate, Add	3.63	
For 6" High Kick Plate, Add	5.81	
For Curved Rail, Add	22.61	
For Mounting On Stairs, Add	5.49	
For Mounting On Slopes, Add	1.73	
For Post Base Flange With Screws, Add Per Post	19.23	
For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post	29.09	
For Custom Design Or Shapes (Square Tops, etc), Add	18.84	
For Nylon Coating, Add	4.36	
05 52 13 00-0007 LF 2-1/2" Diameter, Schedule 40, One Rail, Up To 42" High, Welded Steel Pipe Railing	52.64	8.63
For Schedule 80 Handrail, Add	4.66	
For 11 Gauge A513 Steel Tubing, Deduct	-7.78	
For 12 Gauge A513 Steel Tubing, Deduct	-8.84	
For 14 Gauge A513 Steel Tubing, Deduct	-11.67	
For 16 Gauge A513 Steel Tubing, Deduct	-13.79	
For Additional Off Set Handrail, ADA Attachment, Add	11.94	
For Aluminum, Satin Finish, Add	14.86	
For Aluminum, Clear Anodized Finish, Add	22.99	
For Aluminum, Dark Anodized Finish, Add	26.53	
For Galvanizing, Add	14.15	
For Wrought Iron, Add	5.26	
For Solid Steel Rails, Add	10.53	
For 304 Stainless Steel, Add	113.18	
For 316 Stainless Steel, Add	127.33	
For 2" Wheel Guard, Add	3.36	
For 4" High Kick Plate, Add	4.42	
For 6" High Kick Plate, Add	7.07	
For Curved Rail, Add	26.40	
For Mounting On Stairs, Add	6.13	
For Mounting On Slopes, Add	1.73	
For Post Base Flange With Screws, Add Per Post	19.23	
For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post	29.09	
For Custom Design Or Shapes (Square Tops, etc), Add	22.00	
For Nylon Coating, Add	5.31	

05 52 13 00-0008 Two Rail, Up To 42" High, Welded Steel Pipe Railings (05 52 13 00-0001)
 Note: Includes factory primed posts and two rails.



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 52	13 00-0009	LF	1" Diameter, Schedule 40, Two Rail, Up To 42" High, Welded Steel Pipe Railing.....	39.36	8.63
			<i>For Schedule 80 Handrail, Add</i>	2.67	
			<i>For 11 Gauge A513 Steel Tubing, Deduct</i>	-4.86	
			<i>For 12 Gauge A513 Steel Tubing, Deduct</i>	-5.52	
			<i>For 14 Gauge A513 Steel Tubing, Deduct</i>	-7.29	
			<i>For 16 Gauge A513 Steel Tubing, Deduct</i>	-8.62	
			<i>For Additional Off Set Handrail, ADA Attachment, Add</i>	11.94	
			<i>For Aluminum, Satin Finish, Add</i>	9.28	
			<i>For Aluminum, Clear Anodized Finish, Add</i>	14.36	
			<i>For Aluminum, Dark Anodized Finish, Add</i>	16.57	
			<i>For Galvanizing, Add</i>	8.84	
			<i>For Wrought Iron, Add</i>	3.94	
			<i>For Solid Steel Rails, Add</i>	7.87	
			<i>For 304 Stainless Steel, Add</i>	70.69	
			<i>For 316 Stainless Steel, Add</i>	79.52	
			<i>For 2" Wheel Guard, Add</i>	2.10	
			<i>For 4" High Kick Plate, Add</i>	2.76	
			<i>For 6" High Kick Plate, Add</i>	4.42	
			<i>For Curved Rail, Add</i>	18.44	
			<i>For Mounting On Stairs, Add</i>	4.80	
			<i>For Mounting On Slopes, Add</i>	1.73	
			<i>For Post Base Flange With Screws, Add Per Post</i>	19.23	
			<i>For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post</i>	29.09	
			<i>For Custom Design Or Shapes (Square Tops, etc), Add</i>	15.36	
			<i>For Nylon Coating, Add</i>	3.31	
05 52	13 00-0010	LF	1-1/4" Diameter, Schedule 40, Two Rail, Up To 42" High, Welded Steel Pipe Railing.....	43.16	8.63
			<i>For Schedule 80 Handrail, Add</i>	3.76	
			<i>For 11 Gauge A513 Steel Tubing, Deduct</i>	-5.70	
			<i>For 12 Gauge A513 Steel Tubing, Deduct</i>	-6.47	
			<i>For 14 Gauge A513 Steel Tubing, Deduct</i>	-8.54	
			<i>For 16 Gauge A513 Steel Tubing, Deduct</i>	-10.10	
			<i>For Additional Off Set Handrail, ADA Attachment, Add</i>	11.94	
			<i>For Aluminum, Satin Finish, Add</i>	10.87	
			<i>For Aluminum, Clear Anodized Finish, Add</i>	16.83	
			<i>For Aluminum, Dark Anodized Finish, Add</i>	19.42	
			<i>For Galvanizing, Add</i>	10.36	
			<i>For Wrought Iron, Add</i>	4.32	
			<i>For Solid Steel Rails, Add</i>	8.63	
			<i>For 304 Stainless Steel, Add</i>	82.85	
			<i>For 316 Stainless Steel, Add</i>	93.20	
			<i>For 2" Wheel Guard, Add</i>	2.46	
			<i>For 4" High Kick Plate, Add</i>	3.24	
			<i>For 6" High Kick Plate, Add</i>	5.18	
			<i>For Curved Rail, Add</i>	20.72	
			<i>For Mounting On Stairs, Add</i>	5.18	
			<i>For Mounting On Slopes, Add</i>	1.73	
			<i>For Post Base Flange With Screws, Add Per Post</i>	19.23	
			<i>For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post</i>	29.09	
			<i>For Custom Design Or Shapes (Square Tops, etc), Add</i>	17.26	
			<i>For Nylon Coating, Add</i>	3.88	
05 52	13 00-0011	LF	1-1/2" Diameter, Schedule 40, Two Rail, Up To 42" High, Welded Steel Pipe Railing.....	46.97	8.63
			<i>For Schedule 80 Handrail, Add</i>	3.76	
			<i>For 11 Gauge A513 Steel Tubing, Deduct</i>	-6.53	
			<i>For 12 Gauge A513 Steel Tubing, Deduct</i>	-7.43	
			<i>For 14 Gauge A513 Steel Tubing, Deduct</i>	-9.80	
			<i>For 16 Gauge A513 Steel Tubing, Deduct</i>	-11.58	
			<i>For Additional Off Set Handrail, ADA Attachment, Add</i>	11.94	
			<i>For Aluminum, Satin Finish, Add</i>	12.47	
			<i>For Aluminum, Clear Anodized Finish, Add</i>	19.31	
			<i>For Aluminum, Dark Anodized Finish, Add</i>	22.28	
			<i>For Galvanizing, Add</i>	11.88	
			<i>For Wrought Iron, Add</i>	4.70	
			<i>For Solid Steel Rails, Add</i>	9.39	
			<i>For 304 Stainless Steel, Add</i>	95.04	
			<i>For 316 Stainless Steel, Add</i>	106.92	
			<i>For 2" Wheel Guard, Add</i>	2.82	
			<i>For 4" High Kick Plate, Add</i>	3.71	
			<i>For 6" High Kick Plate, Add</i>	5.94	
			<i>For Curved Rail, Add</i>	23.00	
			<i>For Mounting On Stairs, Add</i>	5.56	
			<i>For Mounting On Slopes, Add</i>	1.73	
			<i>For Post Base Flange With Screws, Add Per Post</i>	19.23	
			<i>For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post</i>	29.09	
			<i>For Custom Design Or Shapes (Square Tops, etc), Add</i>	19.17	
			<i>For Nylon Coating, Add</i>	4.46	



Metals	05	05
Metal Fabrications	05 50	
Metal Railings	05 52	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 52 13 00-0012 LF 2" Diameter, Schedule 40, Two Rail, Up To 42" High, Welded Steel Pipe Railing.....	53.57	8.63
For Schedule 80 Handrail, Add	4.21	
For 11 Gauge A513 Steel Tubing, Deduct	-7.99	
For 12 Gauge A513 Steel Tubing, Deduct	-9.08	
For 14 Gauge A513 Steel Tubing, Deduct	-11.98	
For 16 Gauge A513 Steel Tubing, Deduct	-14.16	
For Additional Off Set Handrail, ADA Attachment, Add	11.94	
For Aluminum, Satin Finish, Add	15.25	
For Aluminum, Clear Anodized Finish, Add	23.60	
For Aluminum, Dark Anodized Finish, Add	27.23	
For Galvanizing, Add	14.52	
For Wrought Iron, Add	5.36	
For Solid Steel Rails, Add	10.71	
For 304 Stainless Steel, Add	116.16	
For 316 Stainless Steel, Add	130.68	
For 2" Wheel Guard, Add	3.45	
For 4" High Kick Plate, Add	4.54	
For 6" High Kick Plate, Add	7.26	
For Curved Rail, Add	26.96	
For Mounting On Stairs, Add	6.22	
For Mounting On Slopes, Add	1.73	
For Post Base Flange With Screws, Add Per Post	19.23	
For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post	29.09	
For Custom Design Or Shapes (Square Tops, etc), Add	22.47	
For Nylon Coating, Add	5.45	
05 52 13 00-0013 LF 2-1/2" Diameter, Schedule 40, Two Rail, Up To 42" High, Welded Steel Pipe Railing	61.48	8.63
For Schedule 80 Handrail, Add	4.66	
For 11 Gauge A513 Steel Tubing, Deduct	-9.73	
For 12 Gauge A513 Steel Tubing, Deduct	-11.05	
For 14 Gauge A513 Steel Tubing, Deduct	-14.59	
For 16 Gauge A513 Steel Tubing, Deduct	-17.24	
For Additional Off Set Handrail, ADA Attachment, Add	11.94	
For Aluminum, Satin Finish, Add	18.57	
For Aluminum, Clear Anodized Finish, Add	28.74	
For Aluminum, Dark Anodized Finish, Add	33.16	
For Galvanizing, Add	17.68	
For Wrought Iron, Add	6.15	
For Solid Steel Rails, Add	12.30	
For 304 Stainless Steel, Add	141.47	
For 316 Stainless Steel, Add	159.16	
For 2" Wheel Guard, Add	4.20	
For 4" High Kick Plate, Add	5.53	
For 6" High Kick Plate, Add	8.84	
For Curved Rail, Add	31.71	
For Mounting On Stairs, Add	7.01	
For Mounting On Slopes, Add	1.73	
For Post Base Flange With Screws, Add Per Post	19.23	
For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post	29.09	
For Custom Design Or Shapes (Square Tops, etc), Add	26.42	
For Nylon Coating, Add	6.63	
05 52 13 00-0014 Three Rail, Up To 42" High, Welded Steel Pipe Railings (05 52 13 00-0001)		
Note: Includes factory primed posts and three rails.		
05 52 13 00-0015 LF 1" Diameter, Schedule 40, Three Rail, Up To 42" High, Welded Steel Pipe Railing.....	52.29	10.36
For Schedule 80 Handrail, Add	4.00	
For 11 Gauge A513 Steel Tubing, Deduct	-6.95	
For 12 Gauge A513 Steel Tubing, Deduct	-7.89	
For 14 Gauge A513 Steel Tubing, Deduct	-10.42	
For 16 Gauge A513 Steel Tubing, Deduct	-12.31	
For Additional Off Set Handrail, ADA Attachment, Add	12.63	
For Aluminum, Satin Finish, Add	13.26	
For Aluminum, Clear Anodized Finish, Add	20.52	
For Aluminum, Dark Anodized Finish, Add	23.68	
For Galvanizing, Add	12.63	
For Wrought Iron, Add	5.23	
For Solid Steel Rails, Add	10.46	
For 304 Stainless Steel, Add	101.02	
For 316 Stainless Steel, Add	113.65	
For 2" Wheel Guard, Add	3.00	
For 4" High Kick Plate, Add	3.95	
For 6" High Kick Plate, Add	6.31	
For Curved Rail, Add	25.16	
For Mounting On Stairs, Add	6.27	
For Mounting On Slopes, Add	2.07	
For Post Base Flange With Screws, Add Per Post	19.57	
For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post	29.61	
For Custom Design Or Shapes (Square Tops, etc), Add	20.97	
For Nylon Coating, Add	4.74	

05	Metals
05 50	Metal Fabrications
05 52	Metal Railings



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 52	13 00-0016	LF	1-1/4" Diameter, Schedule 40, Three Rail, Up To 42" High, Welded Steel Pipe Railing.....	57.73	10.36
			<i>For Schedule 80 Handrail, Add</i>	5.47	
			<i>For 11 Gauge A513 Steel Tubing, Deduct</i>	-8.14	
			<i>For 12 Gauge A513 Steel Tubing, Deduct</i>	-9.25	
			<i>For 14 Gauge A513 Steel Tubing, Deduct</i>	-12.21	
			<i>For 16 Gauge A513 Steel Tubing, Deduct</i>	-14.43	
			<i>For Additional Off Set Handrail, ADA Attachment, Add</i>	12.63	
			<i>For Aluminum, Satin Finish, Add</i>	15.54	
			<i>For Aluminum, Clear Anodized Finish, Add</i>	24.06	
			<i>For Aluminum, Dark Anodized Finish, Add</i>	27.76	
			<i>For Galvanizing, Add</i>	14.80	
			<i>For Wrought Iron, Add</i>	5.77	
			<i>For Solid Steel Rails, Add</i>	11.55	
			<i>For 304 Stainless Steel, Add</i>	118.43	
			<i>For 316 Stainless Steel, Add</i>	133.24	
			<i>For 2" Wheel Guard, Add</i>	3.52	
			<i>For 4" High Kick Plate, Add</i>	4.63	
			<i>For 6" High Kick Plate, Add</i>	7.40	
			<i>For Curved Rail, Add</i>	28.42	
			<i>For Mounting On Stairs, Add</i>	6.81	
			<i>For Mounting On Slopes, Add</i>	2.07	
			<i>For Post Base Flange With Screws, Add Per Post</i>	19.57	
			<i>For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post</i>	29.61	
			<i>For Custom Design Or Shapes (Square Tops, etc), Add</i>	23.69	
			<i>For Nylon Coating, Add</i>	5.55	
05 52	13 00-0017	LF	1-1/2" Diameter, Schedule 40, Three Rail, Up To 42" High, Welded Steel Pipe Railing.....	63.17	10.36
			<i>For Schedule 80 Handrail, Add</i>	5.47	
			<i>For 11 Gauge A513 Steel Tubing, Deduct</i>	-9.34	
			<i>For 12 Gauge A513 Steel Tubing, Deduct</i>	-10.61	
			<i>For 14 Gauge A513 Steel Tubing, Deduct</i>	-14.01	
			<i>For 16 Gauge A513 Steel Tubing, Deduct</i>	-16.56	
			<i>For Additional Off Set Handrail, ADA Attachment, Add</i>	12.63	
			<i>For Aluminum, Satin Finish, Add</i>	17.83	
			<i>For Aluminum, Clear Anodized Finish, Add</i>	27.59	
			<i>For Aluminum, Dark Anodized Finish, Add</i>	31.84	
			<i>For Galvanizing, Add</i>	16.98	
			<i>For Wrought Iron, Add</i>	6.32	
			<i>For Solid Steel Rails, Add</i>	12.63	
			<i>For 304 Stainless Steel, Add</i>	135.84	
			<i>For 316 Stainless Steel, Add</i>	152.82	
			<i>For 2" Wheel Guard, Add</i>	4.03	
			<i>For 4" High Kick Plate, Add</i>	5.31	
			<i>For 6" High Kick Plate, Add</i>	8.49	
			<i>For Curved Rail, Add</i>	31.69	
			<i>For Mounting On Stairs, Add</i>	7.35	
			<i>For Mounting On Slopes, Add</i>	2.07	
			<i>For Post Base Flange With Screws, Add Per Post</i>	19.57	
			<i>For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post</i>	29.61	
			<i>For Custom Design Or Shapes (Square Tops, etc), Add</i>	26.41	
			<i>For Nylon Coating, Add</i>	6.37	
05 52	13 00-0018	LF	2" Diameter, Schedule 40, Three Rail, Up To 42" High, Welded Steel Pipe Railing.....	72.62	10.36
			<i>For Schedule 80 Handrail, Add</i>	6.06	
			<i>For 11 Gauge A513 Steel Tubing, Deduct</i>	-11.42	
			<i>For 12 Gauge A513 Steel Tubing, Deduct</i>	-12.98	
			<i>For 14 Gauge A513 Steel Tubing, Deduct</i>	-17.13	
			<i>For 16 Gauge A513 Steel Tubing, Deduct</i>	-20.24	
			<i>For Additional Off Set Handrail, ADA Attachment, Add</i>	12.63	
			<i>For Aluminum, Satin Finish, Add</i>	21.80	
			<i>For Aluminum, Clear Anodized Finish, Add</i>	33.74	
			<i>For Aluminum, Dark Anodized Finish, Add</i>	38.93	
			<i>For Galvanizing, Add</i>	20.76	
			<i>For Wrought Iron, Add</i>	7.26	
			<i>For Solid Steel Rails, Add</i>	14.52	
			<i>For 304 Stainless Steel, Add</i>	166.08	
			<i>For 316 Stainless Steel, Add</i>	186.84	
			<i>For 2" Wheel Guard, Add</i>	4.93	
			<i>For 4" High Kick Plate, Add</i>	6.49	
			<i>For 6" High Kick Plate, Add</i>	10.38	
			<i>For Curved Rail, Add</i>	37.36	
			<i>For Mounting On Stairs, Add</i>	8.30	
			<i>For Mounting On Slopes, Add</i>	2.07	
			<i>For Post Base Flange With Screws, Add Per Post</i>	19.57	
			<i>For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post</i>	29.61	
			<i>For Custom Design Or Shapes (Square Tops, etc), Add</i>	31.13	
			<i>For Nylon Coating, Add</i>	7.79	



Metals	05	05
Metal Fabrications	05 50	
Metal Railings	05 52	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 52 13 00-0019 LF 2-1/2" Diameter, Schedule 40, Three Rail, Up To 42" High, Welded Steel Pipe Railing.....	83.87	10.36
For Schedule 80 Handrail, Add	6.66	
For 11 Gauge A513 Steel Tubing, Deduct	-13.89	
For 12 Gauge A513 Steel Tubing, Deduct	-15.79	
For 14 Gauge A513 Steel Tubing, Deduct	-20.84	
For 16 Gauge A513 Steel Tubing, Deduct	-24.63	
For Additional Off Set Handrail, ADA Attachment, Add	12.63	
For Aluminum, Satin Finish, Add	26.52	
For Aluminum, Clear Anodized Finish, Add	41.05	
For Aluminum, Dark Anodized Finish, Add	47.36	
For Galvanizing, Add	25.26	
For Wrought Iron, Add	8.39	
For Solid Steel Rails, Add	16.77	
For 304 Stainless Steel, Add	202.08	
For 316 Stainless Steel, Add	227.34	
For 2" Wheel Guard, Add	6.00	
For 4" High Kick Plate, Add	7.89	
For 6" High Kick Plate, Add	12.63	
For Curved Rail, Add	44.11	
For Mounting On Stairs, Add	9.42	
For Mounting On Slopes, Add	2.07	
For Post Base Flange With Screws, Add Per Post	19.57	
For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post	29.61	
For Custom Design Or Shapes (Square Tops, etc), Add	36.76	
For Nylon Coating, Add	9.47	
05 52 13 00-0020 Four Rail, Up To 42" High, Welded Steel Pipe Railings (05 52 13 00-0001)		
Note: Includes factory primed posts and four rails.		
05 52 13 00-0021 LF 1" Diameter, Schedule 40, Four Rail, Up To 42" High, Welded Steel Pipe Railing.....	62.93	12.09
For Schedule 80 Handrail, Add	5.56	
For 11 Gauge A513 Steel Tubing, Deduct	-8.53	
For 12 Gauge A513 Steel Tubing, Deduct	-9.69	
For 14 Gauge A513 Steel Tubing, Deduct	-12.79	
For 16 Gauge A513 Steel Tubing, Deduct	-15.11	
For Additional Off Set Handrail, ADA Attachment, Add	13.33	
For Aluminum, Satin Finish, Add	16.28	
For Aluminum, Clear Anodized Finish, Add	25.19	
For Aluminum, Dark Anodized Finish, Add	29.06	
For Galvanizing, Add	15.50	
For Wrought Iron, Add	6.29	
For Solid Steel Rails, Add	12.59	
For 304 Stainless Steel, Add	124.00	
For 316 Stainless Steel, Add	139.50	
For 2" Wheel Guard, Add	3.68	
For 4" High Kick Plate, Add	4.84	
For 6" High Kick Plate, Add	7.75	
For Curved Rail, Add	30.50	
For Mounting On Stairs, Add	7.50	
For Mounting On Slopes, Add	2.42	
For Post Base Flange With Screws, Add Per Post	19.92	
For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post	30.13	
For Custom Design Or Shapes (Square Tops, etc), Add	25.42	
For Nylon Coating, Add	5.81	
05 52 13 00-0022 LF 1-1/4" Diameter, Schedule 40, Four Rail, Up To 42" High, Welded Steel Pipe Railing.....	61.61	12.09
For Schedule 80 Handrail, Add	7.39	
For 11 Gauge A513 Steel Tubing, Deduct	-8.23	
For 12 Gauge A513 Steel Tubing, Deduct	-9.36	
For 14 Gauge A513 Steel Tubing, Deduct	-12.35	
For 16 Gauge A513 Steel Tubing, Deduct	-14.60	
For Additional Off Set Handrail, ADA Attachment, Add	13.33	
For Aluminum, Satin Finish, Add	15.72	
For Aluminum, Clear Anodized Finish, Add	24.33	
For Aluminum, Dark Anodized Finish, Add	28.07	
For Galvanizing, Add	14.97	
For Wrought Iron, Add	6.16	
For Solid Steel Rails, Add	12.32	
For 304 Stainless Steel, Add	119.78	
For 316 Stainless Steel, Add	134.75	
For 2" Wheel Guard, Add	3.56	
For 4" High Kick Plate, Add	4.68	
For 6" High Kick Plate, Add	7.49	
For Curved Rail, Add	29.71	
For Mounting On Stairs, Add	7.37	
For Mounting On Slopes, Add	2.42	
For Post Base Flange With Screws, Add Per Post	19.92	
For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post	30.13	
For Custom Design Or Shapes (Square Tops, etc), Add	24.76	
For Nylon Coating, Add	5.61	

05	Metals
05 50	Metal Fabrications
05 52	Metal Railings



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 52 13 00-0023	LF	1-1/2"	Diameter, Schedule 40, Four Rail, Up To 42" High, Welded Steel Pipe Railing.....	60.29	12.09
			<i>For Schedule 80 Handrail, Add</i>	7.39	
			<i>For 11 Gauge A513 Steel Tubing, Deduct</i>	-7.94	
			<i>For 12 Gauge A513 Steel Tubing, Deduct</i>	-9.03	
			<i>For 14 Gauge A513 Steel Tubing, Deduct</i>	-11.92	
			<i>For 16 Gauge A513 Steel Tubing, Deduct</i>	-14.08	
			<i>For Additional Off Set Handrail, ADA Attachment, Add</i>	13.33	
			<i>For Aluminum, Satin Finish, Add</i>	15.17	
			<i>For Aluminum, Clear Anodized Finish, Add</i>	23.47	
			<i>For Aluminum, Dark Anodized Finish, Add</i>	27.08	
			<i>For Galvanizing, Add</i>	14.44	
			<i>For Wrought Iron, Add</i>	6.03	
			<i>For Solid Steel Rails, Add</i>	12.06	
			<i>For 304 Stainless Steel, Add</i>	115.55	
			<i>For 316 Stainless Steel, Add</i>	130.00	
			<i>For 2" Wheel Guard, Add</i>	3.43	
			<i>For 4" High Kick Plate, Add</i>	4.51	
			<i>For 6" High Kick Plate, Add</i>	7.22	
			<i>For Curved Rail, Add</i>	28.92	
			<i>For Mounting On Stairs, Add</i>	7.24	
			<i>For Mounting On Slopes, Add</i>	2.42	
			<i>For Post Base Flange With Screws, Add Per Post</i>	19.92	
			<i>For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post</i>	30.13	
			<i>For Custom Design Or Shapes (Square Tops, etc), Add</i>	24.10	
			<i>For Nylon Coating, Add</i>	5.42	
05 52 13 00-0024	LF	2"	Diameter, Schedule 40, Four Rail, Up To 42" High, Welded Steel Pipe Railing	83.34	12.09
			<i>For Schedule 80 Handrail, Add</i>	8.13	
			<i>For 11 Gauge A513 Steel Tubing, Deduct</i>	-13.02	
			<i>For 12 Gauge A513 Steel Tubing, Deduct</i>	-14.79	
			<i>For 14 Gauge A513 Steel Tubing, Deduct</i>	-19.52	
			<i>For 16 Gauge A513 Steel Tubing, Deduct</i>	-23.07	
			<i>For Additional Off Set Handrail, ADA Attachment, Add</i>	13.33	
			<i>For Aluminum, Satin Finish, Add</i>	24.85	
			<i>For Aluminum, Clear Anodized Finish, Add</i>	38.45	
			<i>For Aluminum, Dark Anodized Finish, Add</i>	44.37	
			<i>For Galvanizing, Add</i>	23.66	
			<i>For Wrought Iron, Add</i>	8.33	
			<i>For Solid Steel Rails, Add</i>	16.67	
			<i>For 304 Stainless Steel, Add</i>	189.31	
			<i>For 316 Stainless Steel, Add</i>	212.98	
			<i>For 2" Wheel Guard, Add</i>	5.62	
			<i>For 4" High Kick Plate, Add</i>	7.40	
			<i>For 6" High Kick Plate, Add</i>	11.83	
			<i>For Curved Rail, Add</i>	42.75	
			<i>For Mounting On Stairs, Add</i>	9.54	
			<i>For Mounting On Slopes, Add</i>	2.42	
			<i>For Post Base Flange With Screws, Add Per Post</i>	19.92	
			<i>For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post</i>	30.13	
			<i>For Custom Design Or Shapes (Square Tops, etc), Add</i>	35.63	
			<i>For Nylon Coating, Add</i>	8.87	
05 52 13 00-0025	LF	2-1/2"	Diameter, Schedule 40, Four Rail, Up To 42" High, Welded Steel Pipe Railing	95.94	12.09
			<i>For Schedule 80 Handrail, Add</i>	8.87	
			<i>For 11 Gauge A513 Steel Tubing, Deduct</i>	-15.79	
			<i>For 12 Gauge A513 Steel Tubing, Deduct</i>	-17.94	
			<i>For 14 Gauge A513 Steel Tubing, Deduct</i>	-23.68	
			<i>For 16 Gauge A513 Steel Tubing, Deduct</i>	-27.99	
			<i>For Additional Off Set Handrail, ADA Attachment, Add</i>	13.33	
			<i>For Aluminum, Satin Finish, Add</i>	30.14	
			<i>For Aluminum, Clear Anodized Finish, Add</i>	46.64	
			<i>For Aluminum, Dark Anodized Finish, Add</i>	53.82	
			<i>For Galvanizing, Add</i>	28.70	
			<i>For Wrought Iron, Add</i>	9.59	
			<i>For Solid Steel Rails, Add</i>	19.19	
			<i>For 304 Stainless Steel, Add</i>	229.63	
			<i>For 316 Stainless Steel, Add</i>	258.34	
			<i>For 2" Wheel Guard, Add</i>	6.82	
			<i>For 4" High Kick Plate, Add</i>	8.97	
			<i>For 6" High Kick Plate, Add</i>	14.35	
			<i>For Curved Rail, Add</i>	50.31	
			<i>For Mounting On Stairs, Add</i>	10.80	
			<i>For Mounting On Slopes, Add</i>	2.42	
			<i>For Post Base Flange With Screws, Add Per Post</i>	19.92	
			<i>For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post</i>	30.13	
			<i>For Custom Design Or Shapes (Square Tops, etc), Add</i>	41.93	
			<i>For Nylon Coating, Add</i>	10.76	
05 52 13 00-0026			Railing Infill Panels <small>(05 52 13)</small> Note: Includes field welds and touch-up of welds.		
05 52 13 00-0027			Wire Mesh Or Welded Wire Mesh, Railing Infill Panels <small>(05 52 13 00-0026)</small> Note: Square weave or square welded wire mesh.		
05 52 13 00-0028	SF		Powder Coated Steel, Wire Mesh Or Welded Wire Mesh, Railing Infill Panel	7.48	
05 52 13 00-0029	SF		Galvanized Steel, Wire Mesh Or Welded Wire Mesh, Railing Infill Panel	7.95	
05 52 13 00-0030	SF		Aluminum, Wire Mesh Or Welded Wire Mesh, Railing Infill Panel	8.36	
05 52 13 00-0031	SF		Stainless Steel, Wire Mesh Or Welded Wire Mesh, Railing Infill Panel.....	14.13	



Metals	05	05
Metal Fabrications	05 50	
Metal Railings	05 52	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 52 13 00-0032 Perforated Metal, Railing Infill Panels <small>(05 52 13 00-0026)</small>		
05 52 13 00-0033 SF Powder Coated Steel, Perforated Metal, Railing Infill Panel	7.34	
05 52 13 00-0034 SF Galvanized Steel, Perforated Metal, Railing Infill Panel	7.59	
05 52 13 00-0035 SF Aluminum, Perforated Metal, Railing Infill Panel	8.13	
05 52 13 00-0036 SF Stainless Steel, Perforated Metal, Railing Infill Panel	16.31	
05 52 13 00-0037 Expanded Metal, Railing Infill Panels <small>(05 52 13 00-0026)</small>		
05 52 13 00-0038 SF Powder Coated Steel, Expanded Metal, Railing Infill Panel	3.31	
05 52 13 00-0039 SF Galvanized Steel, Expanded Metal, Railing Infill Panel	6.77	
05 52 13 00-0040 SF Aluminum, Expanded Metal, Railing Infill Panel	8.89	
05 52 13 00-0041 SF Stainless Steel, Expanded Metal, Railing Infill Panel	13.25	
05 52 13 00-0042 Wall Bracket Mounted, Up To 42" High, Welded Steel Pipe Railings <small>(05 52 13)</small>		
Note: Includes factory primed, fasteners and field touch-up of welds.		
05 52 13 00-0043 LF 1" Diameter, Schedule 40, Wall Bracket Mounted, Up To 42" High, Welded Steel Pipe Railing	29.87	5.18
<i>For Schedule 80 Handrail, Add</i>		
<i>For 11 Gauge A513 Steel Tubing, Deduct</i>		
<i>For 12 Gauge A513 Steel Tubing, Deduct</i>		
<i>For 14 Gauge A513 Steel Tubing, Deduct</i>		
<i>For 16 Gauge A513 Steel Tubing, Deduct</i>		
<i>For Stainless Steel, Add</i>		
<i>For Aluminum, Satin Finish, Add</i>		
<i>For Curved Rail, Add</i>		
<i>For Aluminum, Clear Anodized Finish, Add</i>		
<i>For Aluminum, Dark Anodized Finish, Add</i>		
<i>For Galvanized Finish, Add</i>		
05 52 13 00-0044 LF 1-1/4" Diameter, Schedule 40, Wall Bracket Mounted, Up To 42" High, Welded Steel Pipe Railing	30.41	5.18
<i>For Schedule 80 Handrail, Add</i>		
<i>For 11 Gauge A513 Steel Tubing, Deduct</i>		
<i>For 12 Gauge A513 Steel Tubing, Deduct</i>		
<i>For 14 Gauge A513 Steel Tubing, Deduct</i>		
<i>For 16 Gauge A513 Steel Tubing, Deduct</i>		
<i>For Stainless Steel, Add</i>		
<i>For Aluminum, Satin Finish, Add</i>		
<i>For Curved Rail, Add</i>		
<i>For Aluminum, Clear Anodized Finish, Add</i>		
<i>For Aluminum, Dark Anodized Finish, Add</i>		
<i>For Galvanized Finish, Add</i>		
05 52 13 00-0045 LF 1-1/2" Diameter, Schedule 40, Wall Bracket Mounted, Up To 42" High, Welded Steel Pipe Railing	30.96	5.18
<i>For Schedule 80 Handrail, Add</i>		
<i>For 11 Gauge A513 Steel Tubing, Deduct</i>		
<i>For 12 Gauge A513 Steel Tubing, Deduct</i>		
<i>For 14 Gauge A513 Steel Tubing, Deduct</i>		
<i>For 16 Gauge A513 Steel Tubing, Deduct</i>		
<i>For Stainless Steel, Add</i>		
<i>For Aluminum, Satin Finish, Add</i>		
<i>For Curved Rail, Add</i>		
<i>For Aluminum, Clear Anodized Finish, Add</i>		
<i>For Aluminum, Dark Anodized Finish, Add</i>		
<i>For Galvanized Finish, Add</i>		
05 52 13 00-0046 LF 2" Diameter, Schedule 40, Wall Bracket Mounted, Up To 42" High, Welded Steel Pipe Railing	37.23	5.18
<i>For Schedule 80 Handrail, Add</i>		
<i>For 11 Gauge A513 Steel Tubing, Deduct</i>		
<i>For 12 Gauge A513 Steel Tubing, Deduct</i>		
<i>For 14 Gauge A513 Steel Tubing, Deduct</i>		
<i>For 16 Gauge A513 Steel Tubing, Deduct</i>		
<i>For Stainless Steel, Add</i>		
<i>For Aluminum, Satin Finish, Add</i>		
<i>For Curved Rail, Add</i>		
<i>For Aluminum, Clear Anodized Finish, Add</i>		
<i>For Aluminum, Dark Anodized Finish, Add</i>		
<i>For Galvanized Finish, Add</i>		
05 52 13 00-0047 LF 2-1/2" Diameter, Schedule 40, Wall Bracket Mounted, Up To 42" High, Welded Steel Pipe Railing	42.41	5.18
<i>For Schedule 80 Handrail, Add</i>		
<i>For 11 Gauge A513 Steel Tubing, Deduct</i>		
<i>For 12 Gauge A513 Steel Tubing, Deduct</i>		
<i>For 14 Gauge A513 Steel Tubing, Deduct</i>		
<i>For 16 Gauge A513 Steel Tubing, Deduct</i>		
<i>For Stainless Steel, Add</i>		
<i>For Aluminum, Satin Finish, Add</i>		
<i>For Curved Rail, Add</i>		
<i>For Aluminum, Clear Anodized Finish, Add</i>		
<i>For Aluminum, Dark Anodized Finish, Add</i>		
<i>For Galvanized Finish, Add</i>		

05 52 13 00-0048 **Custom Shapes, Wall Bracket Mounted, Up To 42" High, Welded Steel Pipe Railings** (05 52 13)

Note: Includes factory primed, fasteners and field touch-up of welds.



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 52 13 00-0049	LF		1" Diameter, Custom Shapes, Wall Bracket Mounted, Up To 42" High, Welded Steel Pipe Railing.....	36.28	5.44
			<i>For Schedule 80 Handrail, Add</i>	1.69	
			<i>For 11 Gauge A513 Steel Tubing, Deduct</i>	-5.13	
			<i>For 12 Gauge A513 Steel Tubing, Deduct</i>	-5.83	
			<i>For 14 Gauge A513 Steel Tubing, Deduct</i>	-7.70	
			<i>For 16 Gauge A513 Steel Tubing, Deduct</i>	-9.09	
			<i>For Stainless Steel, Add</i>	46.64	
			<i>For Aluminum, Satin Finish, Add</i>	9.79	
			<i>For Curved Rail, Add</i>	10.88	
			<i>For Aluminum, Clear Anodized Finish, Add</i>	15.16	
			<i>For Aluminum, Dark Anodized Finish, Add</i>	17.49	
			<i>For Galvanized Finish, Add</i>	7.00	
05 52 13 00-0050	LF		1-1/4" Diameter, Custom Shapes, Wall Bracket Mounted, Up To 42" High, Welded Steel Pipe Railing.....	37.04	5.44
			<i>For Schedule 80 Handrail, Add</i>	1.87	
			<i>For 11 Gauge A513 Steel Tubing, Deduct</i>	-5.30	
			<i>For 12 Gauge A513 Steel Tubing, Deduct</i>	-6.02	
			<i>For 14 Gauge A513 Steel Tubing, Deduct</i>	-7.95	
			<i>For 16 Gauge A513 Steel Tubing, Deduct</i>	-9.39	
			<i>For Stainless Steel, Add</i>	48.16	
			<i>For Aluminum, Satin Finish, Add</i>	10.11	
			<i>For Curved Rail, Add</i>	11.11	
			<i>For Aluminum, Clear Anodized Finish, Add</i>	15.65	
			<i>For Aluminum, Dark Anodized Finish, Add</i>	18.06	
			<i>For Galvanized Finish, Add</i>	7.22	
05 52 13 00-0051	LF		1-1/2" Diameter, Custom Shapes, Wall Bracket Mounted, Up To 42" High, Welded Steel Pipe Railing.....	37.61	5.44
			<i>For Schedule 80 Handrail, Add</i>	4.31	
			<i>For 11 Gauge A513 Steel Tubing, Deduct</i>	-5.42	
			<i>For 12 Gauge A513 Steel Tubing, Deduct</i>	-6.16	
			<i>For 14 Gauge A513 Steel Tubing, Deduct</i>	-8.13	
			<i>For 16 Gauge A513 Steel Tubing, Deduct</i>	-9.61	
			<i>For Stainless Steel, Add</i>	49.30	
			<i>For Aluminum, Satin Finish, Add</i>	10.35	
			<i>For Curved Rail, Add</i>	11.28	
			<i>For Aluminum, Clear Anodized Finish, Add</i>	16.02	
			<i>For Aluminum, Dark Anodized Finish, Add</i>	18.49	
			<i>For Galvanized Finish, Add</i>	7.40	
05 52 13 00-0052	LF		2" Diameter, Custom Shapes, Wall Bracket Mounted, Up To 42" High, Welded Steel Pipe Railing.....	46.37	5.44
			<i>For Schedule 80 Handrail, Add</i>	2.20	
			<i>For 11 Gauge A513 Steel Tubing, Deduct</i>	-7.35	
			<i>For 12 Gauge A513 Steel Tubing, Deduct</i>	-8.35	
			<i>For 14 Gauge A513 Steel Tubing, Deduct</i>	-11.03	
			<i>For 16 Gauge A513 Steel Tubing, Deduct</i>	-13.03	
			<i>For Stainless Steel, Add</i>	66.82	
			<i>For Aluminum, Satin Finish, Add</i>	14.03	
			<i>For Curved Rail, Add</i>	13.91	
			<i>For Aluminum, Clear Anodized Finish, Add</i>	21.72	
			<i>For Aluminum, Dark Anodized Finish, Add</i>	25.06	
			<i>For Galvanized Finish, Add</i>	10.02	
05 52 13 00-0053	LF		2-1/2" Diameter, Custom Shapes, Wall Bracket Mounted, Up To 42" High, Welded Steel Pipe Railing.....	52.10	5.44
			<i>For Schedule 80 Handrail, Add</i>	2.35	
			<i>For 11 Gauge A513 Steel Tubing, Deduct</i>	-8.61	
			<i>For 12 Gauge A513 Steel Tubing, Deduct</i>	-9.79	
			<i>For 14 Gauge A513 Steel Tubing, Deduct</i>	-12.92	
			<i>For 16 Gauge A513 Steel Tubing, Deduct</i>	-15.26	
			<i>For Stainless Steel, Add</i>	78.28	
			<i>For Aluminum, Satin Finish, Add</i>	16.44	
			<i>For Curved Rail, Add</i>	15.63	
			<i>For Aluminum, Clear Anodized Finish, Add</i>	25.44	
			<i>For Aluminum, Dark Anodized Finish, Add</i>	29.36	
			<i>For Galvanized Finish, Add</i>	11.74	
05 52 13 00-0054			Remove And Reinstall Pipe Railing <small>(05 52 13)</small>		
05 52 13 00-0055	LF		Removal And Reinstallation Of Wall Bracket Mounted Pipe Railing.....	19.44	
05 52 13 00-0056	LF		Removal And Reinstallation Of Floor Mounted Pipe Railing.....	25.29	
05 52 13 00-0057	EA		Install New Galvanized Steel Pipe Railing Bracket.....	42.18	
			<i>For Stainless Steel, Add</i>	32.56	

05 53 Metal Gratings (05 50)

05 53 13 Bar Gratings (05 53)

05 53 13 00-0001 Welded Grating (05 53 13)

Note: Sizes are for height and width of bearing bars. Welded grating is open grid grating which has bearing bars and cross bars locked in place by resistance welding, or conventional hand welding. Resistance welded grating is produced on precise automated production equipment by combining hydraulic pressure with a powerful electric current to fuse - electroforge - the cross bar and bearing bar into a single rigid panel.

05 53 13 00-0002 Steel, Welded Grating (05 53 13 00-0001)

Note: Bearing bars at 1-3/16" O.C., crossbars at 4" O.C., bolted or tack welded, unpainted steel, and in all sizes.



Metals	05	05
Metal Fabrications	05 50	
Metal Gratings	05 53	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 53 13 00-0003 SF 3/4" x 1/8" Steel, Welded Grating 7.62		0.95
For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
For Galvanized Steel, Add	0.97	
For 304 Stainless Steel, Add	18.36	
Note: Bearing bars at 1-3/16" O.C. and crossbars at 4" O.C.		
For Bearing Bars At 15/16" O.C., Add	1.67	
For Crossbars At 2" O.C., Add	0.62	
For Set In Place Without Bolting Or Tack Welding, Deduct	-1.42	
05 53 13 00-0004 SF 3/4" x 3/16" Steel, Welded Grating 9.99		0.95
For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
For Galvanized Steel, Add	1.38	
For 304 Stainless Steel, Add	25.97	
Note: Bearing bars at 1-3/16" O.C. and crossbars at 4" O.C.		
For Bearing Bars At 15/16" O.C., Add	2.36	
For Crossbars At 2" O.C., Add	0.87	
For Set In Place Without Bolting Or Tack Welding, Deduct	-1.48	
05 53 13 00-0005 SF 1" x 1/8" Steel, Welded Grating 9.14		0.95
For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
For Galvanized Steel, Add	1.23	
For 304 Stainless Steel, Add	23.24	
Note: Bearing bars at 1-3/16" O.C. and crossbars at 4" O.C.		
For Bearing Bars At 15/16" O.C., Add	2.11	
For Crossbars At 2" O.C., Add	0.78	
For Serrated Wear Surface, Add	0.16	
For Set In Place Without Bolting Or Tack Welding, Deduct	-1.45	
05 53 13 00-0006 SF 1" x 3/16" Steel, Welded Grating 12.36		0.95
For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
For Galvanized Steel, Add	1.78	
For 304 Stainless Steel, Add	33.58	
Note: Bearing bars at 1-3/16" O.C. and crossbars at 4" O.C.		
For Bearing Bars At 15/16" O.C., Add	3.05	
For Crossbars At 2" O.C., Add	1.13	
For Serrated Wear Surface, Add	0.16	
For Set In Place Without Bolting Or Tack Welding, Deduct	-1.53	
05 53 13 00-0007 SF 1" x 1/4" Steel, Welded Grating 15.58		0.95
For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
For Galvanized Steel, Add	2.33	
For 304 Stainless Steel, Add	43.91	
Note: Bearing bars at 1-3/16" O.C. and crossbars at 4" O.C.		
For Bearing Bars At 15/16" O.C., Add	3.99	
For Crossbars At 2" O.C., Add	1.48	
For Serrated Wear Surface, Add	0.16	
For Set In Place Without Bolting Or Tack Welding, Deduct	-1.62	
05 53 13 00-0008 SF 1-1/4" x 1/8" Steel, Welded Grating 10.68		0.95
For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
For Galvanized Steel, Add	1.49	
For 304 Stainless Steel, Add	28.18	
Note: Bearing bars at 1-3/16" O.C. and crossbars at 4" O.C.		
For Bearing Bars At 15/16" O.C., Add	2.56	
For Crossbars At 2" O.C., Add	0.95	
For Serrated Wear Surface, Add	0.16	
For Set In Place Without Bolting Or Tack Welding, Deduct	-1.49	
05 53 13 00-0009 SF 1-1/4" x 3/16" Steel, Welded Grating 14.59		0.95
For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
For Galvanized Steel, Add	2.16	
For 304 Stainless Steel, Add	40.73	
Note: Bearing bars at 1-3/16" O.C. and crossbars at 4" O.C.		
For Bearing Bars At 15/16" O.C., Add	3.71	
For Crossbars At 2" O.C., Add	1.37	
For Serrated Wear Surface, Add	0.16	
For Set In Place Without Bolting Or Tack Welding, Deduct	-1.59	
05 53 13 00-0010 SF 1-1/2" x 1/8" Steel, Welded Grating 12.22		0.95
For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
For Galvanized Steel, Add	1.75	
For 304 Stainless Steel, Add	33.13	
Note: Bearing bars at 1-3/16" O.C. and crossbars at 4" O.C.		
For Bearing Bars At 15/16" O.C., Add	3.01	
For Crossbars At 2" O.C., Add	1.11	
For Serrated Wear Surface, Add	0.16	
For Set In Place Without Bolting Or Tack Welding, Deduct	-1.53	
05 53 13 00-0011 SF 1-1/2" x 3/16" Steel, Welded Grating 17.38		1.16
For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
For Galvanized Steel, Add	2.56	
For 304 Stainless Steel, Add	48.31	
Note: Bearing bars at 1-3/16" O.C. and crossbars at 4" O.C.		
For Bearing Bars At 15/16" O.C., Add	4.39	
For Crossbars At 2" O.C., Add	1.63	
For Serrated Wear Surface, Add	0.16	
For Set In Place Without Bolting Or Tack Welding, Deduct	-1.94	

05	Metals
05 50	Metal Fabrications
05 53	Metal Gratings



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 53 13 00-0012 SF 1-1/2" x 1/4" Steel, Welded Grating	22.27	1.16
For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
For Galvanized Steel, Add	3.39	
For 304 Stainless Steel, Add	64.01	
Note: Bearing bars at 1-3/16" O.C. and crossbars at 4" O.C.		
For Bearing Bars At 15/16" O.C., Add	5.82	
For Crossbars At 2" O.C., Add	2.15	
For Serrated Wear Surface, Add	0.16	
For Set In Place Without Bolting Or Tack Welding, Deduct	-2.06	
05 53 13 00-0013 SF 1-3/4" x 3/16" Steel, Welded Grating	19.76	1.16
For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
For Galvanized Steel, Add	2.96	
For 304 Stainless Steel, Add	55.95	
Note: Bearing bars at 1-3/16" O.C. and crossbars at 4" O.C.		
For Bearing Bars At 15/16" O.C., Add	5.09	
For Crossbars At 2" O.C., Add	1.88	
For Serrated Wear Surface, Add	0.16	
For Set In Place Without Bolting Or Tack Welding, Deduct	-2.00	
05 53 13 00-0014 SF 2" x 3/16" Steel, Welded Grating.....	22.00	1.16
For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
For Galvanized Steel, Add	3.34	
For 304 Stainless Steel, Add	63.14	
Note: Bearing bars at 1-3/16" O.C. and crossbars at 4" O.C.		
For Bearing Bars At 15/16" O.C., Add	5.74	
For Crossbars At 2" O.C., Add	2.12	
For Serrated Wear Surface, Add	0.16	
For Set In Place Without Bolting Or Tack Welding, Deduct	-2.05	
05 53 13 00-0015 SF 2-1/4" x 3/16" Steel, Welded Grating	24.37	1.16
For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
For Galvanized Steel, Add	3.75	
For 304 Stainless Steel, Add	70.75	
Note: Bearing bars at 1-3/16" O.C. and crossbars at 4" O.C.		
For Bearing Bars At 15/16" O.C., Add	6.44	
For Crossbars At 2" O.C., Add	2.38	
For Serrated Wear Surface, Add	0.16	
For Set In Place Without Bolting Or Tack Welding, Deduct	-2.11	
05 53 13 00-0016 SF 2-1/2" x 3/16" Steel, Welded Grating	26.60	1.16
For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
For Galvanized Steel, Add	4.13	
For 304 Stainless Steel, Add	77.91	
Note: Bearing bars at 1-3/16" O.C. and crossbars at 4" O.C.		
For Bearing Bars At 15/16" O.C., Add	7.09	
For Crossbars At 2" O.C., Add	2.62	
For Serrated Wear Surface, Add	0.16	
For Set In Place Without Bolting Or Tack Welding, Deduct	-2.17	
05 53 13 00-0017 Pressure Locked Grating <small>(05 53 13)</small>		
Note: Sizes are for height and width of bearing bars. Pressure locked grating is an open grid grating which is an assembly of tight-fitting, slotted bearing bars and cross bars, interlocked together. The permanent locking of the bars is accomplished by slotting the bearing bars with a wider 'dovetail' shape at the bottom of the slot. The bearing bar slot is usually 1/2 the depth of the cross bar. The cross bars are slotted to a depth slightly less than half its depth. When the bars are pressed together under hydraulic pressure, the cross bar material is forced into the 'dovetail' shape of the bearing bar notch, forming a strong, rigid unit.		
05 53 13 00-0018 Steel, Pressure Locked Grating <small>(05 53 13 00-0017)</small>		
Note: Bearing bars at 1-3/16" O.C., crossbars at 4" O.C., bolted or tack welded, unpainted steel, and in all sizes.		
05 53 13 00-0019 SF 3/4" x 1/8" Steel, Pressure Locked Grating.....	13.83	0.95
For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
For Galvanized Steel, Add	1.96	
For 304 Stainless Steel, Add	22.32	
Note: Bearing bars at 1-3/16" O.C. and crossbars at 4" O.C.		
For Bearing Bars At 15/16" O.C., Add	3.48	
For Crossbars At 2" O.C., Add	1.29	
For Set In Place Without Bolting Or Tack Welding, Deduct	-1.57	
05 53 13 00-0020 SF 3/4" x 3/16" Steel, Pressure Locked Grating.....	16.88	0.95
For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
For Galvanized Steel, Add	2.46	
For 304 Stainless Steel, Add	28.03	
Note: Bearing bars at 1-3/16" O.C. and crossbars at 4" O.C.		
For Bearing Bars At 15/16" O.C., Add	4.37	
For Crossbars At 2" O.C., Add	1.62	
For Set In Place Without Bolting Or Tack Welding, Deduct	-1.65	
05 53 13 00-0021 SF 1" x 1/8" Steel, Pressure Locked Grating.....	15.14	0.95
For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
For Galvanized Steel, Add	2.17	
For 304 Stainless Steel, Add	24.77	
Note: Bearing bars at 1-3/16" O.C. and crossbars at 4" O.C.		
For Bearing Bars At 15/16" O.C., Add	3.87	
For Crossbars At 2" O.C., Add	1.43	
For Serrated Wear Surface, Add	0.16	
For Set In Place Without Bolting Or Tack Welding, Deduct	-1.60	



Metals	05	05
Metal Fabrications	05 50	
Metal Gratings	05 53	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 53 13 00-0022 SF 1" x 3/16" Steel, Pressure Locked Grating.....	20.37	0.95
For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
For Galvanized Steel, Add	3.03	
For 304 Stainless Steel, Add	34.56	
Note: Bearing bars at 1-3/16" O.C. and crossbars at 4" O.C.		
For Bearing Bars At 7/16" O.C., Add	26.78	
For Bearing Bars At 15/16" O.C., Add	5.39	
For Crossbars At 2" O.C., Add	1.99	
For Serrated Wear Surface, Add	0.16	
For Set In Place Without Bolting Or Tack Welding, Deduct	-1.73	
05 53 13 00-0023 SF 1-1/4" x 1/8" Steel, Pressure Locked Grating.....	16.88	0.95
For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
For Galvanized Steel, Add	2.46	
For 304 Stainless Steel, Add	28.03	
Note: Bearing bars at 1-3/16" O.C. and crossbars at 4" O.C.		
For Bearing Bars At 15/16" O.C., Add	4.37	
For Crossbars At 2" O.C., Add	1.62	
For Serrated Wear Surface, Add	0.16	
For Set In Place Without Bolting Or Tack Welding, Deduct	-1.65	
05 53 13 00-0024 SF 1-1/4" x 3/16" Steel, Pressure Locked Grating.....	22.79	0.95
For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
For Galvanized Steel, Add	3.43	
For 304 Stainless Steel, Add	39.09	
Note: Bearing bars at 1-3/16" O.C. and crossbars at 4" O.C.		
For Bearing Bars At 15/16" O.C., Add	6.10	
For Crossbars At 2" O.C., Add	2.26	
For Serrated Wear Surface, Add	0.16	
For Set In Place Without Bolting Or Tack Welding, Deduct	-1.80	
05 53 13 00-0025 SF 1-1/2" x 1/8" Steel, Pressure Locked Grating.....	18.71	0.95
For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
For Galvanized Steel, Add	2.76	
For 304 Stainless Steel, Add	31.45	
Note: Bearing bars at 1-3/16" O.C. and crossbars at 4" O.C.		
For Bearing Bars At 15/16" O.C., Add	4.91	
For Crossbars At 2" O.C., Add	1.82	
For Serrated Wear Surface, Add	0.16	
For Set In Place Without Bolting Or Tack Welding, Deduct	-1.69	
05 53 13 00-0026 SF 1-1/2" x 3/16" Steel, Pressure Locked Grating.....	25.76	1.16
For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
For Galvanized Steel, Add	3.84	
For 304 Stainless Steel, Add	43.84	
Note: Bearing bars at 1-3/16" O.C. and crossbars at 4" O.C.		
For Bearing Bars At 7/16" O.C., Add	33.97	
For Bearing Bars At 15/16" O.C., Add	6.84	
For Crossbars At 2" O.C., Add	2.53	
For Serrated Wear Surface, Add	0.16	
For Set In Place Without Bolting Or Tack Welding, Deduct	-2.15	
05 53 13 00-0027 SF 1-3/4" x 3/16" Steel, Pressure Locked Grating.....	28.31	1.16
For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
For Galvanized Steel, Add	4.26	
For 304 Stainless Steel, Add	48.61	
Note: Bearing bars at 1-3/16" O.C. and crossbars at 4" O.C.		
For Bearing Bars At 15/16" O.C., Add	7.59	
For Crossbars At 2" O.C., Add	2.81	
For Serrated Wear Surface, Add	0.16	
For Set In Place Without Bolting Or Tack Welding, Deduct	-2.21	
05 53 13 00-0028 SF 2" x 3/16" Steel, Pressure Locked Grating.....	30.39	1.16
For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
For Galvanized Steel, Add	4.60	
For 304 Stainless Steel, Add	52.50	
Note: Bearing bars at 1-3/16" O.C. and crossbars at 4" O.C.		
For Bearing Bars At 15/16" O.C., Add	8.19	
For Crossbars At 2" O.C., Add	3.03	
For Serrated Wear Surface, Add	0.16	
For Set In Place Without Bolting Or Tack Welding, Deduct	-2.26	
05 53 13 00-0029 SF 2-1/4" x 3/16" Steel, Pressure Locked Grating.....	32.39	1.16
For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
For Galvanized Steel, Add	4.93	
For 304 Stainless Steel, Add	56.24	
Note: Bearing bars at 1-3/16" O.C. and crossbars at 4" O.C.		
For Bearing Bars At 15/16" O.C., Add	8.78	
For Crossbars At 2" O.C., Add	3.25	
For Serrated Wear Surface, Add	0.16	
For Set In Place Without Bolting Or Tack Welding, Deduct	-2.31	
05 53 13 00-0030 SF 2-1/2" x 3/16" Steel, Pressure Locked Grating.....	34.12	1.16
For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
For Galvanized Steel, Add	5.21	
For 304 Stainless Steel, Add	59.48	
Note: Bearing bars at 1-3/16" O.C. and crossbars at 4" O.C.		
For Bearing Bars At 15/16" O.C., Add	9.28	
For Crossbars At 2" O.C., Add	3.43	
For Serrated Wear Surface, Add	0.16	
For Set In Place Without Bolting Or Tack Welding, Deduct	-2.36	

05 53 13 00-0031 Aluminum, Type 6063, Pressure Locked Grating (05 53 13 00-0017)
 Note: Bearing bars at 1-3/16" O.C., crossbars at 4" O.C., bolted in place, and in all sizes.



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 53 13 00-0032 SF 3/4" x 1/8" Aluminum, Pressure Locked Grating	10.15	0.95
For Bearing Bars At 15/16" O.C., Add	2.41	
For Crossbars At 2" O.C., Add	0.89	
For Set In Place Without Bolting, Deduct	-1.48	
05 53 13 00-0033 SF 3/4" x 3/16" Aluminum, Pressure Locked Grating	13.53	0.95
For Bearing Bars At 15/16" O.C., Add	3.40	
For Crossbars At 2" O.C., Add	1.26	
For Set In Place Without Bolting, Deduct	-1.56	
05 53 13 00-0034 SF 1" x 1/8" Aluminum, Pressure Locked Grating	12.80	0.95
For Bearing Bars At 15/16" O.C., Add	3.18	
For Crossbars At 2" O.C., Add	1.18	
For Serrated Wear Surface, Add	0.16	
For Set In Place Without Bolting, Deduct	-1.55	
05 53 13 00-0035 SF 1" x 3/16" Aluminum, Pressure Locked Grating	17.18	0.95
For Bearing Bars At 7/16" O.C., Add	22.16	
For Bearing Bars At 15/16" O.C., Add	4.46	
For Crossbars At 2" O.C., Add	1.65	
For Serrated Wear Surface, Add	0.16	
For Set In Place Without Bolting, Deduct	-1.66	
05 53 13 00-0036 SF 1-1/4" x 1/8" Aluminum, Pressure Locked Grating	14.73	0.95
For Bearing Bars At 15/16" O.C., Add	3.75	
For Crossbars At 2" O.C., Add	1.39	
For Serrated Wear Surface, Add	0.16	
For Set In Place Without Bolting, Deduct	-1.59	
05 53 13 00-0037 SF 1-1/4" x 3/16" Aluminum, Pressure Locked Grating	19.50	0.95
For Bearing Bars At 15/16" O.C., Add	5.14	
For Crossbars At 2" O.C., Add	1.90	
For Serrated Wear Surface, Add	0.16	
For Set In Place Without Bolting, Deduct	-1.71	
05 53 13 00-0038 SF 1-1/2" x 1/8" Aluminum, Pressure Locked Grating	16.54	0.95
For Bearing Bars At 15/16" O.C., Add	4.27	
For Crossbars At 2" O.C., Add	1.58	
For Serrated Wear Surface, Add	0.16	
For Set In Place Without Bolting, Deduct	-1.64	
05 53 13 00-0039 SF 1-1/2" x 3/16" Aluminum, Pressure Locked Grating	21.89	0.95
For Bearing Bars At 7/16" O.C., Add	28.99	
For Bearing Bars At 15/16" O.C., Add	5.84	
For Crossbars At 2" O.C., Add	2.16	
For Serrated Wear Surface, Add	0.16	
For Set In Place Without Bolting, Deduct	-1.77	
05 53 13 00-0040 SF 1-3/4" x 3/16" Aluminum, Pressure Locked Grating	24.18	0.95
For Bearing Bars At 15/16" O.C., Add	6.51	
For Crossbars At 2" O.C., Add	2.41	
For Serrated Wear Surface, Add	0.16	
For Set In Place Without Bolting, Deduct	-1.83	
05 53 13 00-0041 SF 2" x 3/16" Aluminum, Pressure Locked Grating	26.89	0.95
For Bearing Bars At 15/16" O.C., Add	7.30	
For Crossbars At 2" O.C., Add	2.70	
For Serrated Wear Surface, Add	0.16	
For Set In Place Without Bolting, Deduct	-1.90	
05 53 13 00-0042 SF 2-1/4" x 3/16" Aluminum, Pressure Locked Grating	29.02	0.95
For Bearing Bars At 15/16" O.C., Add	7.92	
For Crossbars At 2" O.C., Add	2.93	
For Serrated Wear Surface, Add	0.16	
For Set In Place Without Bolting, Deduct	-1.95	
05 53 13 00-0043 SF 2-1/2" x 3/16" Aluminum, Pressure Locked Grating	31.55	0.95
For Bearing Bars At 15/16" O.C., Add	8.66	
For Crossbars At 2" O.C., Add	3.20	
For Serrated Wear Surface, Add	0.16	
For Set In Place Without Bolting, Deduct	-2.01	
05 53 13 00-0044 Swage Locked Grating <small>(05 53 13)</small>		
Note: Sizes are for height and width of bearing bars. Swage locked grating is an open grid grating where bearing bars are pre-punched to receive a cross bar without penetrating or cutting the top surface of the bearing bar. The cross bar is then inserted through the pre-punched hole and deformed by swaging or squeezing under hydraulic pressure to permanently lock the bars in place.		
05 53 13 00-0045 Steel, Swage Locked Grating <small>(05 53 13 00-0044)</small>		
Note: Bearing bars at 1-3/16" O.C., crossbars at 4" O.C., bolted or tack welded, unpainted steel, and in all sizes.		
05 53 13 00-0046 SF 1" x 3/16" Steel, Swaged Grating	22.23	0.95
For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
For Galvanized Steel, Add	1.87	
For 304 Stainless Steel, Add	33.71	
Note: Bearing bars at 1-3/16" O.C. and crossbars at 4" O.C.		
For Bearing Bars At 15/16" O.C., Add	13.01	
For Crossbars At 2" O.C., Add	1.63	
For Serrated Wear Surface, Add	0.16	
For Set In Place Without Bolting Or Tack Welding, Deduct	-1.78	



Metals	05	05
Metal Fabrications	05 50	
Metal Gratings	05 53	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 53 13 00-0047 SF 1-1/4" x 3/16" Steel, Swaged Grating	24.73	0.95
For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
For Galvanized Steel, Add	2.10	
For 304 Stainless Steel, Add	37.85	
Note: Bearing bars at 1-3/16" O.C. and crossbars at 4" O.C.		
For Bearing Bars At 15/16" O.C., Add	14.61	
For Crossbars At 2" O.C., Add	1.83	
For Serrated Wear Surface, Add	0.16	
For Set In Place Without Bolting Or Tack Welding, Deduct	-1.84	
05 53 13 00-0048 SF 1-1/2" x 3/16" Steel, Swaged Grating	27.13	1.16
For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
For Galvanized Steel, Add	2.28	
For 304 Stainless Steel, Add	41.12	
Note: Bearing bars at 1-3/16" O.C. and crossbars at 4" O.C.		
For Bearing Bars At 15/16" O.C., Add	15.87	
For Crossbars At 2" O.C., Add	1.98	
For Serrated Wear Surface, Add	0.16	
For Set In Place Without Bolting Or Tack Welding, Deduct	-2.18	
05 53 13 00-0049 SF 1-3/4" x 3/16" Steel, Swaged Grating	30.97	1.16
For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
For Galvanized Steel, Add	2.63	
For 304 Stainless Steel, Add	47.49	
Note: Bearing bars at 1-3/16" O.C. and crossbars at 4" O.C.		
For Bearing Bars At 15/16" O.C., Add	18.33	
For Crossbars At 2" O.C., Add	2.29	
For Serrated Wear Surface, Add	0.16	
For Set In Place Without Bolting Or Tack Welding, Deduct	-2.28	
05 53 13 00-0050 SF 2" x 3/16" Steel, Swaged Grating.....	34.83	1.16
For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
For Galvanized Steel, Add	2.99	
For 304 Stainless Steel, Add	53.89	
Note: Bearing bars at 1-3/16" O.C. and crossbars at 4" O.C.		
For Bearing Bars At 15/16" O.C., Add	20.80	
For Crossbars At 2" O.C., Add	2.60	
For Serrated Wear Surface, Add	0.16	
For Set In Place Without Bolting Or Tack Welding, Deduct	-2.37	
05 53 13 00-0051 SF 2-1/4" x 3/16" Steel, Swaged Grating	38.67	1.16
For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
For Galvanized Steel, Add	3.34	
For 304 Stainless Steel, Add	60.25	
Note: Bearing bars at 1-3/16" O.C. and crossbars at 4" O.C.		
For Bearing Bars At 15/16" O.C., Add	23.26	
For Crossbars At 2" O.C., Add	2.91	
For Serrated Wear Surface, Add	0.16	
For Set In Place Without Bolting Or Tack Welding, Deduct	-2.47	
05 53 13 00-0052 SF 2-1/2" x 3/16" Steel, Swaged Grating	42.53	1.16
For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
For Galvanized Steel, Add	3.70	
For 304 Stainless Steel, Add	66.65	
Note: Bearing bars at 1-3/16" O.C. and crossbars at 4" O.C.		
For Bearing Bars At 15/16" O.C., Add	25.73	
For Crossbars At 2" O.C., Add	3.22	
For Serrated Wear Surface, Add	0.16	
For Set In Place Without Bolting Or Tack Welding, Deduct	-2.57	
05 53 13 00-0053 Aluminum Grating, Type 6063, Swage Locked <small>(05 53 13 00-0044)</small>		
Note: Bearing bars at 1-3/16" O.C., crossbars at 4" O.C., bolted in place, and in all sizes.		
05 53 13 00-0054 SF 1" x 1/8" Aluminum, Swaged Grating.....	11.87	0.95
For Bearing Bars At 15/16" O.C., Add	6.38	
For Crossbars At 2" O.C., Add	0.80	
For Serrated Wear Surface, Add	0.16	
For Set In Place Without Bolting, Deduct	-1.52	
05 53 13 00-0055 SF 1" x 3/16" Aluminum, Swaged Grating.....	15.21	0.95
For Bearing Bars At 15/16" O.C., Add	8.52	
For Crossbars At 2" O.C., Add	1.06	
For Serrated Wear Surface, Add	0.16	
For Set In Place Without Bolting, Deduct	-1.61	
05 53 13 00-0056 SF 1-1/4" x 1/8" Aluminum, Swaged Grating.....	13.37	0.95
For Bearing Bars At 15/16" O.C., Add	7.34	
For Crossbars At 2" O.C., Add	0.92	
For Serrated Wear Surface, Add	0.16	
For Set In Place Without Bolting, Deduct	-1.56	
05 53 13 00-0057 SF 1-1/4" x 3/16" Aluminum, Swaged Grating.....	17.45	0.95
For Bearing Bars At 15/16" O.C., Add	9.95	
For Crossbars At 2" O.C., Add	1.24	
For Serrated Wear Surface, Add	0.16	
For Set In Place Without Bolting, Deduct	-1.66	
05 53 13 00-0058 SF 1-1/2" x 1/8" Aluminum, Swaged Grating.....	15.15	0.95
For Bearing Bars At 15/16" O.C., Add	8.48	
For Crossbars At 2" O.C., Add	1.06	
For Serrated Wear Surface, Add	0.16	
For Set In Place Without Bolting, Deduct	-1.60	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 53 13 00-0059	SF		1-1/2" x 3/16" Aluminum, Swaged Grating.....	19.86	0.95
			<i>For Bearing Bars At 15/16" O.C., Add</i>	11.49	
			<i>For Crossbars At 2" O.C., Add</i>	1.44	
			<i>For Serrated Wear Surface, Add</i>	0.16	
			<i>For Set In Place Without Bolting, Deduct</i>	-1.72	
05 53 13 00-0060	SF		1-3/4" x 3/16" Aluminum, Swaged Grating.....	22.63	0.95
			<i>For Bearing Bars At 15/16" O.C., Add</i>	13.27	
			<i>For Crossbars At 2" O.C., Add</i>	1.66	
			<i>For Serrated Wear Surface, Add</i>	0.16	
			<i>For Set In Place Without Bolting, Deduct</i>	-1.79	
05 53 13 00-0061	SF		2" x 3/16" Aluminum, Swaged Grating.....	25.39	0.95
			<i>For Bearing Bars At 15/16" O.C., Add</i>	15.03	
			<i>For Crossbars At 2" O.C., Add</i>	1.88	
			<i>For Serrated Wear Surface, Add</i>	0.16	
			<i>For Set In Place Without Bolting, Deduct</i>	-1.86	
05 53 13 00-0062	SF		2-1/4" x 3/16" Aluminum, Swaged Grating.....	28.16	0.95
			<i>For Bearing Bars At 15/16" O.C., Add</i>	16.81	
			<i>For Crossbars At 2" O.C., Add</i>	2.10	
			<i>For Serrated Wear Surface, Add</i>	0.16	
			<i>For Set In Place Without Bolting, Deduct</i>	-1.93	
05 53 13 00-0063	SF		2-1/2" x 3/16" Aluminum, Swaged Grating.....	30.91	0.95
			<i>For Bearing Bars At 15/16" O.C., Add</i>	18.57	
			<i>For Crossbars At 2" O.C., Add</i>	2.32	
			<i>For Serrated Wear Surface, Add</i>	0.16	
			<i>For Set In Place Without Bolting, Deduct</i>	-2.00	
05 53 13 00-0064			Riveted Grating <small>(05 53 13)</small>		
			Note: Riveted grating is an open grid grating where bearing bars are pre-punched to receive a solid round rivet. Crimp/lacing bars are pre-punched as well and then formed into a reticulated shape. Bearing bars and crimp bars are then assembled and clamped in place by rivets which are cold driven under hydraulic pressure to permanently lock the assembly together.		
05 53 13 00-0065			Steel, Riveted Grating <small>(05 53 13 00-0064)</small>		
			Note: 1" clear opening, bolted or tack welded in place, unpainted steel, all sizes.		
05 53 13 00-0066	SF		3/4" x 1/8", 7.0 LB/SF, Steel, Riveted Grating.....	41.66	0.95
			<i>For One Coat Of Shop Applied Paint (Red Or Black), Add</i>	0.22	
			<i>For Galvanized Steel, Add</i>	1.91	
			<i>For 304 Stainless Steel, Add</i>	34.15	
			<i>For 5/8" Clear Opening, Add</i>	13.72	
			<i>For Set In Place Without Bolting Or Tack Welding, Deduct</i>	-2.27	
05 53 13 00-0067	SF		3/4" x 3/16", 8.5 LB/SF, Steel, Riveted Grating.....	48.94	0.95
			<i>For One Coat Of Shop Applied Paint (Red Or Black), Add</i>	0.22	
			<i>For Galvanized Steel, Add</i>	2.26	
			<i>For 304 Stainless Steel, Add</i>	40.41	
			<i>For 5/8" Clear Opening, Add</i>	16.23	
			<i>For Set In Place Without Bolting Or Tack Welding, Deduct</i>	-2.45	
05 53 13 00-0068	SF		1" x 1/8", 8.0 LB/SF, Steel, Riveted Grating.....	45.01	0.95
			<i>For One Coat Of Shop Applied Paint (Red Or Black), Add</i>	0.22	
			<i>For Galvanized Steel, Add</i>	2.07	
			<i>For 304 Stainless Steel, Add</i>	37.03	
			<i>For 5/8" Clear Opening, Add</i>	14.87	
			<i>For Serrated Wear Surface, Add</i>	0.16	
			<i>For Set In Place Without Bolting Or Tack Welding, Deduct</i>	-2.35	
05 53 13 00-0069	SF		1" x 3/16", 9.5 LB/SF, Steel, Riveted Grating.....	51.71	0.95
			<i>For One Coat Of Shop Applied Paint (Red Or Black), Add</i>	0.22	
			<i>For Galvanized Steel, Add</i>	2.39	
			<i>For 304 Stainless Steel, Add</i>	42.79	
			<i>For 5/8" Clear Opening, Add</i>	17.18	
			<i>For Serrated Wear Surface, Add</i>	0.16	
			<i>For Set In Place Without Bolting Or Tack Welding, Deduct</i>	-2.52	
05 53 13 00-0070	SF		1-1/4" x 1/8", 9.0 LB/SF, Steel, Riveted Grating.....	47.79	0.95
			<i>For One Coat Of Shop Applied Paint (Red Or Black), Add</i>	0.22	
			<i>For Galvanized Steel, Add</i>	2.20	
			<i>For 304 Stainless Steel, Add</i>	39.42	
			<i>For 5/8" Clear Opening, Add</i>	15.83	
			<i>For Serrated Wear Surface, Add</i>	0.16	
			<i>For Set In Place Without Bolting Or Tack Welding, Deduct</i>	-2.42	
05 53 13 00-0071	SF		1-1/4" x 3/16", 11.1 LB/SF, Steel, Riveted Grating.....	56.88	0.95
			<i>For One Coat Of Shop Applied Paint (Red Or Black), Add</i>	0.22	
			<i>For Galvanized Steel, Add</i>	2.64	
			<i>For 304 Stainless Steel, Add</i>	47.23	
			<i>For 5/8" Clear Opening, Add</i>	18.97	
			<i>For Serrated Wear Surface, Add</i>	0.16	
			<i>For Set In Place Without Bolting Or Tack Welding, Deduct</i>	-2.65	
05 53 13 00-0072	SF		1-1/2" x 1/8", 10.1 LB/SF, Steel, Riveted Grating.....	50.89	1.16
			<i>For One Coat Of Shop Applied Paint (Red Or Black), Add</i>	0.22	
			<i>For Galvanized Steel, Add</i>	2.33	
			<i>For 304 Stainless Steel, Add</i>	41.71	
			<i>For 5/8" Clear Opening, Add</i>	16.75	
			<i>For Serrated Wear Surface, Add</i>	0.16	
			<i>For Set In Place Without Bolting Or Tack Welding, Deduct</i>	-2.78	



	Metals	05
	Metal Fabrications	05 50
	Metal Gratings	05 53

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MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 53 13 00-0073	SF		1-1/2" x 3/16", 12.5 LB/SF, Steel, Riveted Grating.....	60.61	1.16
			<i>For One Coat Of Shop Applied Paint (Red Or Black), Add</i>	0.22	
			<i>For Galvanized Steel, Add</i>	2.80	
			<i>For 304 Stainless Steel, Add</i>	50.06	
			<i>For 5/8" Clear Opening, Add</i>	20.11	
			<i>For Serrated Wear Surface, Add</i>	0.16	
			<i>For Set In Place Without Bolting Or Tack Welding, Deduct</i>	-3.02	
05 53 13 00-0074	SF		1-3/4" x 3/16", 14.0 LB/SF, Steel, Riveted Grating.....	65.57	1.16
			<i>For One Coat Of Shop Applied Paint (Red Or Black), Add</i>	0.22	
			<i>For Galvanized Steel, Add</i>	3.04	
			<i>For 304 Stainless Steel, Add</i>	54.32	
			<i>For 5/8" Clear Opening, Add</i>	21.82	
			<i>For Serrated Wear Surface, Add</i>	0.16	
			<i>For Set In Place Without Bolting Or Tack Welding, Deduct</i>	-3.14	
05 53 13 00-0075	SF		2" x 3/16", 17.0 LB/SF, Steel, Riveted Grating.....	76.64	1.16
			<i>For One Coat Of Shop Applied Paint (Red Or Black), Add</i>	0.22	
			<i>For Galvanized Steel, Add</i>	3.57	
			<i>For 304 Stainless Steel, Add</i>	63.83	
			<i>For 5/8" Clear Opening, Add</i>	25.64	
			<i>For Serrated Wear Surface, Add</i>	0.16	
			<i>For Set In Place Without Bolting Or Tack Welding, Deduct</i>	-3.42	
05 53 13 00-0076	SF		2-1/4" x 3/16", 18.5 LB/SF, Steel, Riveted Grating.....	80.49	1.16
			<i>For One Coat Of Shop Applied Paint (Red Or Black), Add</i>	0.22	
			<i>For Galvanized Steel, Add</i>	3.75	
			<i>For 304 Stainless Steel, Add</i>	67.14	
			<i>For 5/8" Clear Opening, Add</i>	26.97	
			<i>For Serrated Wear Surface, Add</i>	0.16	
			<i>For Set In Place Without Bolting Or Tack Welding, Deduct</i>	-3.52	
05 53 13 00-0077	SF		2-1/2" x 3/16", 20.0 LB/SF, Steel, Riveted Grating.....	83.93	1.16
			<i>For One Coat Of Shop Applied Paint (Red Or Black), Add</i>	0.22	
			<i>For Galvanized Steel, Add</i>	3.92	
			<i>For 304 Stainless Steel, Add</i>	70.09	
			<i>For 5/8" Clear Opening, Add</i>	28.15	
			<i>For Serrated Wear Surface, Add</i>	0.16	
			<i>For Set In Place Without Bolting Or Tack Welding, Deduct</i>	-3.60	
05 53 13 00-0078			Aluminum, Riveted Grating (05 53 13 00-0064)		
			Note: 1" clear opening, bolted in place and in all sizes.		
05 53 13 00-0079	SF		3/4" x 1/8", 2.4 LB/SF, Aluminum, Riveted Grating.....	24.67	0.95
			<i>For 5/8" Clear Opening, Add</i>	7.86	
			<i>For Set In Place Without Bolting, Deduct</i>	-1.84	
05 53 13 00-0080	SF		3/4" x 3/16", 2.9 LB/SF, Aluminum, Riveted Grating.....	29.18	0.95
			<i>For 5/8" Clear Opening, Add</i>	9.41	
			<i>For Set In Place Without Bolting, Deduct</i>	-1.96	
05 53 13 00-0081	SF		1" x 1/8", 2.7 LB/SF, Aluminum, Riveted Grating.....	27.08	0.95
			<i>For 5/8" Clear Opening, Add</i>	8.69	
			<i>For Serrated Wear Surface, Add</i>	0.16	
			<i>For Set In Place Without Bolting, Deduct</i>	-1.90	
05 53 13 00-0082	SF		1" x 3/16", 3.2 LB/SF, Aluminum, Riveted Grating.....	31.48	0.95
			<i>For 5/8" Clear Opening, Add</i>	10.21	
			<i>For Serrated Wear Surface, Add</i>	0.16	
			<i>For Set In Place Without Bolting, Deduct</i>	-2.01	
05 53 13 00-0083	SF		1-1/4" x 1/8", 3.1 LB/SF, Aluminum, Riveted Grating.....	30.30	0.95
			<i>For 5/8" Clear Opening, Add</i>	9.80	
			<i>For Serrated Wear Surface, Add</i>	0.16	
			<i>For Set In Place Without Bolting, Deduct</i>	-1.98	
05 53 13 00-0084	SF		1-1/4" x 3/16", 3.8 LB/SF, Aluminum, Riveted Grating.....	36.41	0.95
			<i>For 5/8" Clear Opening, Add</i>	11.91	
			<i>For Serrated Wear Surface, Add</i>	0.16	
			<i>For Set In Place Without Bolting, Deduct</i>	-2.14	
05 53 13 00-0085	SF		1-1/2" x 1/8", 3.4 LB/SF, Aluminum, Riveted Grating.....	32.50	0.95
			<i>For 5/8" Clear Opening, Add</i>	10.56	
			<i>For Serrated Wear Surface, Add</i>	0.16	
			<i>For Set In Place Without Bolting, Deduct</i>	-2.04	
05 53 13 00-0086	SF		1-1/2" x 3/16", 4.3 LB/SF, Aluminum, Riveted Grating.....	40.26	0.95
			<i>For 5/8" Clear Opening, Add</i>	13.23	
			<i>For Serrated Wear Surface, Add</i>	0.16	
			<i>For Set In Place Without Bolting, Deduct</i>	-2.23	
05 53 13 00-0087	SF		1-3/4" x 3/16", 4.8 LB/SF, Aluminum, Riveted Grating.....	44.32	0.95
			<i>For 5/8" Clear Opening, Add</i>	14.63	
			<i>For Serrated Wear Surface, Add</i>	0.16	
			<i>For Set In Place Without Bolting, Deduct</i>	-2.33	
05 53 13 00-0088	SF		2" x 3/16", 5.8 LB/SF, Aluminum, Riveted Grating.....	52.68	0.95
			<i>For 5/8" Clear Opening, Add</i>	17.52	
			<i>For Serrated Wear Surface, Add</i>	0.16	
			<i>For Set In Place Without Bolting, Deduct</i>	-2.54	
05 53 13 00-0089	SF		2-1/4" x 3/16", 6.4 LB/SF, Aluminum, Riveted Grating.....	57.41	0.95
			<i>For 5/8" Clear Opening, Add</i>	19.15	
			<i>For Serrated Wear Surface, Add</i>	0.16	
			<i>For Set In Place Without Bolting, Deduct</i>	-2.66	
05 53 13 00-0090	SF		2-1/2" x 3/16", 7.2 LB/SF, Aluminum, Riveted Grating.....	63.77	0.95
			<i>For 5/8" Clear Opening, Add</i>	21.35	
			<i>For Serrated Wear Surface, Add</i>	0.16	
			<i>For Set In Place Without Bolting, Deduct</i>	-2.82	

05	05 Metals
	05 50 Metal Fabrications
	05 54 Metal Floor Plates



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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05 54 Metal Floor Plates (05 50)

05 54 00 00-0001 Steel Floor Plates (05 54)

05 54 00 00-0002	SF	16 Gauge Steel Raised Or Diamond Pattern Floor Plates.....	10.85	1.12
05 54 00 00-0003	SF	14 Gauge Steel Raised Or Diamond Pattern Floor Plates.....	12.31	1.12
05 54 00 00-0004	SF	12 Gauge Steel Raised Or Diamond Pattern Floor Plates.....	15.26	1.12
05 54 00 00-0005	SF	1/8" Steel Raised Or Diamond Pattern Floor Plates.....	20.34	1.21
05 54 00 00-0006	SF	1/4" Steel Raised Or Diamond Pattern Floor Plates.....	25.63	1.30

05 54 00 00-0007 Aluminum Alloy Floor Plates (05 54)

05 54 00 00-0008	SF	0.125" Aluminum Alloy Raised Or Diamond Pattern Floor Plate.....	15.78	0.95
05 54 00 00-0009	SF	0.188" Aluminum Alloy Raised Or Diamond Pattern Floor Plate.....	18.10	1.12
05 54 00 00-0010	SF	0.25" Aluminum Alloy Raised Or Diamond Pattern Floor Plate.....	20.43	1.21

05 54 00 00-0011 Type 304 Stainless Steel Floor Plates (05 54)

05 54 00 00-0012	SF	1/8" Type 304 Stainless Steel Raised Or Diamond Pattern Floor Plate.....	26.51	1.30
		<i>For 316 Stainless Steel, Add</i>	7.38	
05 54 00 00-0013	SF	3/16" Type 304 Stainless Steel Raised Or Diamond Pattern Floor Plate.....	31.68	1.47
		<i>For 316 Stainless Steel, Add</i>	8.86	
05 54 00 00-0014	SF	1/4" Type 304 Stainless Raised Or Diamond Pattern Steel Floor Plate.....	41.00	1.73
		<i>For 316 Stainless Steel, Add</i>	11.57	

05 55 Metal Stair Treads And Nosings (05 50)

05 55 13 Metal Stair Treads (05 55)

05 55 13 00-0001 Abrasive Cast Aluminum Stair Treads (05 55 13)

Note: Includes abrasive diamond pattern surface and anchors. Excludes stringers.

05 55 13 00-0002	LF	8" Depth, 5/16" Thick, 1/4" Lip, Abrasive Cast Aluminum Stair Tread.....	39.43	4.97
		<i>For 3/8" Thick, Add</i>	7.87	
05 55 13 00-0003	LF	9" Depth, 5/16" Thick, 1/4" Lip, Abrasive Cast Aluminum Stair Tread.....	43.12	4.97
		<i>For 3/8" Thick, Add</i>	8.79	
05 55 13 00-0004	LF	10" Depth, 5/16" Thick, 1/4" Lip, Abrasive Cast Aluminum Stair Tread.....	46.80	4.97
		<i>For 3/8" Thick, Add</i>	9.71	
05 55 13 00-0005	LF	11" Depth, 5/16" Thick, 1/4" Lip, Abrasive Cast Aluminum Stair Tread.....	50.51	4.97
		<i>For 3/8" Thick, Add</i>	10.64	
05 55 13 00-0006	LF	12" Depth, 5/16" Thick, 1/4" Lip, Abrasive Cast Aluminum Stair Tread.....	54.17	4.97
		<i>For 3/8" Thick, Add</i>	11.55	

05 55 13 00-0007 Abrasive Cast Iron Stair Treads (05 55 13)

Note: Includes abrasive diamond pattern surface and anchors. Excludes stringers.

05 55 13 00-0008	LF	8" Depth, 3/8" Thick, 1/4" Lip, Abrasive Cast Iron Stair Tread.....	53.74	4.97
05 55 13 00-0009	LF	9" Depth, 3/8" Thick, 1/4" Lip, Abrasive Cast Iron Stair Tread.....	59.21	4.97
05 55 13 00-0010	LF	10" Depth, 3/8" Thick, 1/4" Lip, Abrasive Cast Iron Stair Tread.....	64.69	4.97
05 55 13 00-0011	LF	11" Depth, 3/8" Thick, 1/4" Lip, Abrasive Cast Iron Stair Tread.....	70.16	4.97
05 55 13 00-0012	LF	12" Depth, 3/8" Thick, 1/4" Lip, Abrasive Cast Iron Stair Tread.....	75.64	4.97

05 55 13 00-0013 Aluminum/Ceramic Grit Coating, Extruded Aluminum Safety Stair Treads (05 55 13)

Note: Includes extruded aluminum base with diamond hard aluminum oxide abrasive filler/surface. Includes anchors. Excludes stringers.

05 55 13 00-0014	LF	6-1/2" Depth, 5/32" Thick, 1-1/16" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Safety Stair Tread.....	22.16	4.97
05 55 13 00-0015	LF	9" Depth, 5/32" Thick, 1-1/16" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Safety Stair Tread.....	25.51	4.97
05 55 13 00-0016	LF	11" Depth, 5/32" Thick, 1-1/16" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Safety Stair Tread.....	26.98	4.97

05 55 13 00-0017 Aluminum/Ceramic Grit Coating, Extruded Aluminum Renovation Stair Treads (05 55 13)

Note: Includes extruded aluminum base with diamond hard aluminum oxide abrasive filler/surface. Includes anchors. Excludes stringers.

05 55 13 00-0018	LF	8" Depth, 9/32" Thick, 1-1/8" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Renovation Stair Tread.....	31.39	4.97
		<i>For Epoxy Sealed For Corrosive Environment, Add</i>	2.32	
		<i>For Two Color Tread, Add</i>	1.74	
05 55 13 00-0019	LF	9" Depth, 9/32" Thick, 1-1/8" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Renovation Stair Tread.....	31.67	4.97
		<i>For Epoxy Sealed For Corrosive Environment, Add</i>	2.32	
		<i>For Two Color Tread, Add</i>	1.74	
05 55 13 00-0020	LF	11" Depth, 9/32" Thick, 1-1/8" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Renovation Stair Tread.....	37.69	4.97
		<i>For Epoxy Sealed For Corrosive Environment, Add</i>	2.32	
		<i>For Two Color Tread, Add</i>	1.74	
05 55 13 00-0021	LF	12" Depth, 9/32" Thick, 1-1/8" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Renovation Stair Tread.....	42.96	4.97
		<i>For Epoxy Sealed For Corrosive Environment, Add</i>	2.32	
		<i>For Two Color Tread, Add</i>	1.74	
05 55 13 00-0022	LF	15" Depth, 9/32" Thick, 1-1/8" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Renovation Stair Tread.....	49.83	4.97
		<i>For Epoxy Sealed For Corrosive Environment, Add</i>	2.32	
		<i>For Two Color Tread, Add</i>	1.74	



Metals	05	05
Metal Fabrications	05 50	
Metal Stair Treads And Nosings	05 55	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 55 13 00-0023 Stair Landing Treads (05 55 13)		
05 55 13 00-0024 Abrasive Cast Aluminum Stair Landing Treads (05 55 13 00-0023) Note: Includes abrasive diamond pattern surface and anchors.		
05 55 13 00-0025 SF 5/16" Thick, Abrasive Cast Aluminum Landing Treads..... For 3/8" Thick, Add	54.17 11.55	4.97
05 55 13 00-0026 Abrasive Cast Iron Stair Landing Treads (05 55 13 00-0023) Note: Includes abrasive diamond pattern surface and anchors.		
05 55 13 00-0027 SF 3/8" Thick, Abrasive Cast Iron Landing Treads.....	75.64	4.97
05 55 13 00-0028 Aluminum/Ceramic Grit Coating, Extruded Aluminum Renovation Stair Landing Treads (05 55 13 00-0028) Note: Includes extruded aluminum base with diamond hard aluminum oxide abrasive filler/surface. Includes anchors.		
05 55 13 00-0029 SF 9/32" Thick, Aluminum/Ceramic Grit Coating, Extruded Aluminum Renovation Stair Landing Treads For Epoxy Sealed For Corrosive Environment, Add	50.44 2.32	4.97
05 55 13 00-0030 Open Cast Iron Stair Tread (05 55 13) Note: Includes steel stringers, safety nosing and 2 pipe handrail. Excludes landings.		
05 55 13 00-0031 RSR 3'-6" Wide, Open Cast Iron Stair Tread..... For Closed Riser, Add	374.55 31.85	34.55
05 55 13 00-0032 RSR 4'-0" Wide, Open Cast Iron Stair Tread..... For Closed Riser, Add	423.90 35.93	39.73
05 55 13 00-0033 RSR 5'-0" Wide, Open Cast Iron Stair Tread..... For Closed Riser, Add	469.03 39.69	46.64
05 55 16 Metal Stair Nosings (05 55)		
05 55 16 00-0001 Abrasive Cast Aluminum Nosings (05 55 16) Note: Includes abrasive diamond pattern surface and anchors.		
05 55 16 00-0002 LF 3" Depth, 5/16" Thick, 1/4" Lip, Abrasive Cast Aluminum Nosing..... For 3/8" Thick, Add	17.39 2.99	3.39
05 55 16 00-0003 LF 4" Depth, 5/16" Thick, 1/4" Lip, Abrasive Cast Aluminum Nosing..... For 3/8" Thick, Add	20.96 3.88	3.39
05 55 16 00-0004 LF 6" Depth, 5/16" Thick, 1/4" Lip, Abrasive Cast Aluminum Nosing..... For 3/8" Thick, Add	28.90 5.87	3.39
05 55 16 00-0005 Abrasive Cast Iron Nosings (05 55 16) Note: Includes abrasive diamond pattern surface and anchors.		
05 55 16 00-0006 LF 3" Depth, 5/16" Thick, 1/4" Lip, Abrasive Cast Iron Nosing..... For 3/8" Thick, Add	19.99 3.64	3.39
05 55 16 00-0007 LF 4" Depth, 5/16" Thick, 1/4" Lip, Abrasive Cast Iron Nosing..... For 3/8" Thick, Add	24.38 4.74	3.39
05 55 16 00-0008 LF 6" Depth, 5/16" Thick, 1/4" Lip, Abrasive Cast Iron Nosing..... For 3/8" Thick, Add	33.05 6.91	3.39
05 55 16 00-0009 Aluminum/Ceramic Grit Coating, Extruded Aluminum Nosings (05 55 16) Note: Includes extruded aluminum base with diamond hard aluminum oxide abrasive filler/surface. Includes anchors.		
05 55 16 00-0010 LF 1-7/8" Depth, 1/4" Thick, 1/4" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Nosing	14.98	3.39
05 55 16 00-0011 LF 3" Depth, 1/4" Thick, 1/4" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Nosing.....	16.70	3.39
05 55 16 00-0012 LF 4" Depth, 1/4" Thick, 1/4" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Nosing.....	18.01	3.39
05 55 16 00-0013 LF 6" Depth, 1/4" Thick, 1/4" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Nosing.....	22.08	3.39
05 55 16 00-0014 LF 1-7/8" Depth, 1/4" Thick, 1-1/8" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Nosing	15.44	3.39
05 55 16 00-0015 LF 3" Depth, 1/4" Thick, 1-1/8" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Nosing	16.90	3.39
05 55 16 00-0016 LF 4" Depth, 1/4" Thick, 1-1/8" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Nosing	18.36	3.39
05 55 16 00-0017 LF 3" Depth, 1/4" Thick, 1-3/4" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Nosing	17.47	3.39
05 56 Metal Castings (05 50)		
05 56 00 00-0001 Castings (05 50)		
05 56 00 00-0002 LB Up To 150 LB, Miscellaneous Castings, Light Section	3.09	0.43
05 56 00 00-0003 LB >150 LB, Miscellaneous Castings, Heavy Section.....	4.99	0.35
05 58 Formed Metal Fabrications (05 50)		
05 58 16 Formed Metal Enclosures (05 58)		
05 58 16 00-0001 Drip Pan (05 58 16)		
05 58 16 00-0002 SF Stainless Steel Drip Pan	61.70	5.76
05 58 16 00-0003 SF Galvanized Steel Drip Pan.....	61.01	5.76
05 58 16 00-0004 SF Aluminum Drip Pan.....	43.28	4.60
05 58 16 00-0005 SF Plastic Drip Pan	13.51	4.03

05 Metals**05 50 Metal Fabrications****05 58 Formed Metal Fabrications**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST**05 58 23 Formed Metal Guards (05 58)**

05 58 23 00-0001	EA	Protective Guard Rails (05 58 23) Note: Includes painted finish.		
05 58 23 00-0002	EA	2-Rib, 11 Gauge Steel, Protective Guard Rails (05 58 23 00-0001) Note: Steel King Armor Guard.		
05 58 23 00-0003	EA	Bolt-On, 2-Rib, 11 Gauge Steel, Protective Guard Rails (05 58 23 00-0002) Note: Excludes posts. Includes fasteners.		
05 58 23 00-0004	EA	1' Length, 10-1/2" Height, Bolt-On, 2-Rib, 11 Gauge Steel, Protective Guard Rail	113.17	16.28
05 58 23 00-0005	EA	2' Length, 10-1/2" Height, Bolt-On, 2-Rib, 11 Gauge Steel, Protective Guard Rail	131.62	16.28
05 58 23 00-0006	EA	3' Length, 10-1/2" Height, Bolt-On, 2-Rib, 11 Gauge Steel, Protective Guard Rail	149.03	16.28
05 58 23 00-0007	EA	4' Length, 10-1/2" Height, Bolt-On, 2-Rib, 11 Gauge Steel, Protective Guard Rail	167.49	16.28
05 58 23 00-0008	EA	5' Length, 10-1/2" Height, Bolt-On, 2-Rib, 11 Gauge Steel, Protective Guard Rail	184.99	16.28
05 58 23 00-0009	EA	6' Length, 10-1/2" Height, Bolt-On, 2-Rib, 11 Gauge Steel, Protective Guard Rail	207.69	16.28
05 58 23 00-0010	EA	7' Length, 10-1/2" Height, Bolt-On, 2-Rib, 11 Gauge Steel, Protective Guard Rail	223.15	16.28
05 58 23 00-0011	EA	8' Length, 10-1/2" Height, Bolt-On, 2-Rib, 11 Gauge Steel, Protective Guard Rail	247.09	16.28
05 58 23 00-0012	EA	9' Length, 10-1/2" Height, Bolt-On, 2-Rib, 11 Gauge Steel, Protective Guard Rail	262.80	16.28
05 58 23 00-0013	EA	10' Length, 10-1/2" Height, Bolt-On, 2-Rib, 11 Gauge Steel, Protective Guard Rail	274.03	16.28
05 58 23 00-0014	EA	Posts For 2-Rib Guard Rails (05 58 23 00-0002) Note: Includes drilling, surface mounting plate and anchors.		
05 58 23 00-0015	EA	12" Height, Single Rail Post For 2-Rib Guard Rails	231.42	33.91
05 58 23 00-0016	EA	42" Height, Triple Rail Post For 2-Rib Guard Rails	295.51	33.91
05 58 23 00-0017	EA	3-Rib, 11 Gauge Steel, Protective Guard Rails (05 58 23 00-0001) Note: Steel King Steel Guard.		
05 58 23 00-0018	EA	Bolt-On, 3-Rib, 11 Gauge Steel, Protective Guard Rails (05 58 23 00-0017) Note: Excludes posts. Includes fasteners.		
05 58 23 00-0019	EA	1' Length, 15" Height, Bolt-On, 3-Rib, 11 Gauge Steel, Protective Guard Rail	124.29	16.28
05 58 23 00-0020	EA	2' Length, 15" Height, Bolt-On, 3-Rib, 11 Gauge Steel, Protective Guard Rail	136.56	16.28
05 58 23 00-0021	EA	3' Length, 15" Height, Bolt-On, 3-Rib, 11 Gauge Steel, Protective Guard Rail	151.87	16.28
05 58 23 00-0022	EA	4' Length, 15" Height, Bolt-On, 3-Rib, 11 Gauge Steel, Protective Guard Rail	166.19	16.28
05 58 23 00-0023	EA	5' Length, 15" Height, Bolt-On, 3-Rib, 11 Gauge Steel, Protective Guard Rail	182.75	16.28
05 58 23 00-0024	EA	6' Length, 15" Height, Bolt-On, 3-Rib, 11 Gauge Steel, Protective Guard Rail	190.73	16.28
05 58 23 00-0025	EA	7' Length, 15" Height, Bolt-On, 3-Rib, 11 Gauge Steel, Protective Guard Rail	209.93	16.28
05 58 23 00-0026	EA	8' Length, 15" Height, Bolt-On, 3-Rib, 11 Gauge Steel, Protective Guard Rail	226.14	16.28
05 58 23 00-0027	EA	9' Length, 15" Height, Bolt-On, 3-Rib, 11 Gauge Steel, Protective Guard Rail	243.35	16.28
05 58 23 00-0028	EA	10' Length, 15" Height, Bolt-On, 3-Rib, 11 Gauge Steel, Protective Guard Rail	260.81	16.28
05 58 23 00-0029	EA	Lift-Out, 3-Rib, 11 Gauge Steel, Protective Guard Rails (05 58 23 00-0017) Note: Excludes posts. Includes fasteners and lift-out mounting plate.		
05 58 23 00-0030	EA	1' Length, 15" Height, Lift-Out, 3-Rib, 11 Gauge Steel, Protective Guard Rail	179.51	16.28
05 58 23 00-0031	EA	2' Length, 15" Height, Lift-Out, 3-Rib, 11 Gauge Steel, Protective Guard Rail	192.97	16.28
05 58 23 00-0032	EA	3' Length, 15" Height, Lift-Out, 3-Rib, 11 Gauge Steel, Protective Guard Rail	206.94	16.28
05 58 23 00-0033	EA	4' Length, 15" Height, Lift-Out, 3-Rib, 11 Gauge Steel, Protective Guard Rail	223.15	16.28
05 58 23 00-0034	EA	5' Length, 15" Height, Lift-Out, 3-Rib, 11 Gauge Steel, Protective Guard Rail	239.36	16.28
05 58 23 00-0035	EA	6' Length, 15" Height, Lift-Out, 3-Rib, 11 Gauge Steel, Protective Guard Rail	252.58	16.28
05 58 23 00-0036	EA	7' Length, 15" Height, Lift-Out, 3-Rib, 11 Gauge Steel, Protective Guard Rail	267.79	16.28
05 58 23 00-0037	EA	8' Length, 15" Height, Lift-Out, 3-Rib, 11 Gauge Steel, Protective Guard Rail	285.00	16.28
05 58 23 00-0038	EA	9' Length, 15" Height, Lift-Out, 3-Rib, 11 Gauge Steel, Protective Guard Rail	303.45	16.28
05 58 23 00-0039	EA	10' Length, 15" Height, Lift-Out, 3-Rib, 11 Gauge Steel, Protective Guard Rail	319.66	16.28
05 58 23 00-0040	EA	Posts For 3-Rib Guard Rails (05 58 23 00-0017) Note: Includes drilling, surface mounting plate and anchors.		
05 58 23 00-0041	EA	18" Height, Single Rail Post For 3-Rib Guard Rails	205.88	33.91
05 58 23 00-0042	EA	42" Height, Double Rail Post For 3-Rib Guard Rails	257.86	33.91
05 58 23 00-0043	EA	All-Welded, Protective Guards (05 58 23) Note: Surface mounted inverted-U style protective barriers. Includes painted finish, drilling, surface mounting plate and anchors.		
05 58 23 00-0044	EA	All-Welded, Protective Guards (05 58 23 00-0043)		
05 58 23 00-0045	EA	36" Length, 9" Height, 4-1/2" Diameter Steel Pipe, All-Welded, Protective Guard	269.24	45.22
05 58 23 00-0046	EA	48" Length, 9" Height, 4-1/2" Diameter Steel Pipe, All-Welded, Protective Guard	281.71	45.22
05 58 23 00-0047	EA	36" Length, 16" Height, 4-1/2" Diameter Steel Pipe, All-Welded, Protective Guard	288.94	45.22
05 58 23 00-0048	EA	48" Length, 16" Height, 4-1/2" Diameter Steel Pipe, All-Welded, Protective Guard	299.67	45.22
05 58 23 00-0049	EA	36" Length, 24" Height, 4-1/2" Diameter Steel Pipe, All-Welded, Protective Guard	297.17	45.22
05 58 23 00-0050	EA	48" Length, 24" Height, 4-1/2" Diameter Steel Pipe, All-Welded, Protective Guard	310.39	45.22
05 58 23 00-0051	EA	36" Length, 36" Height, 4-1/2" Diameter Steel Pipe, All-Welded, Protective Guard	314.13	45.22
05 58 23 00-0052	EA	48" Length, 36" Height, 4-1/2" Diameter Steel Pipe, All-Welded, Protective Guard	318.37	45.22
05 58 23 00-0053	EA	48" Length, 42" Height, 4-1/2" Diameter Steel Pipe, All-Welded, Protective Guard	338.57	45.22



Metals	05	05
Metal Fabrications	05 50	
Formed Metal Fabrications	05 58	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 58 23 00-0054 Corner Style, All-Welded, Protective Guards <small>(05 58 23 00-0043)</small>		
05 58 23 00-0055 EA 24" Length, 24" Height, 4-1/2" Diameter Steel Pipe, Corner Style, All-Welded, Protective Guard.....	346.55	45.22
05 58 23 00-0056 EA 30" Length, 24" Height, 4-1/2" Diameter Steel Pipe, Corner Style, All-Welded, Protective Guard.....	361.52	45.22
05 58 23 00-0057 EA 24" Length, 36" Height, 4-1/2" Diameter Steel Pipe, Corner Style, All-Welded, Protective Guard.....	367.75	45.22
05 58 23 00-0058 EA 30" Length, 36" Height, 4-1/2" Diameter Steel Pipe, Corner Style, All-Welded, Protective Guard.....	398.43	45.22
05 58 23 00-0059 Warehouse Safety Bollards <small>(05 58 23)</small>		
Note: Includes painted finish, drilling, surface mounting plate and anchors.		
05 58 23 00-0060 EA 24" Height, 4-1/2" Diameter Steel Pipe, Bolt Down, Warehouse Safety Bollard.....	172.59	33.91
05 58 23 00-0061 EA 36" Height, 4-1/2" Diameter Steel Pipe, Bolt Down, Warehouse Safety Bollard.....	197.23	33.91
05 58 23 00-0062 EA 42" Height, 4-1/2" Diameter Steel Pipe, Bolt Down, Warehouse Safety Bollard.....	223.32	33.91
05 58 23 00-0063 EA 36" Height, 5-1/2" Diameter Steel Pipe, Bolt Down, Warehouse Safety Bollard.....	230.45	33.91
05 58 23 00-0064 EA 42" Height, 5-1/2" Diameter Steel Pipe, Bolt Down, Warehouse Safety Bollard.....	246.91	33.91
05 59 Metal Specialties <small>(05 59)</small>		
05 59 65 Chain <small>(05 59)</small>		
05 59 65 00-0001 Alloy Steel Chain, Self Colored, Cut Length <small>(05 59 65)</small>		
Note: Includes all connecting links, double clevis mid-Links, slip or grab hooks, or shackles as required.		
05 59 65 00-0002 LF 3/16" Diameter Alloy Steel Chain, Cut Length, Self Colored.....	3.85	0.84
For Plastic Dipped, Add	0.33	
05 59 65 00-0003 LF 1/4" Diameter Alloy Steel Chain, Cut Length, Self Colored.....	5.16	1.12
For Plastic Dipped, Add	0.44	
05 59 65 00-0004 LF 3/8" Diameter Alloy Steel Chain, Cut Length, Self Colored.....	8.43	2.23
For Plastic Dipped, Add	0.59	
05 59 65 00-0005 LF 1/2" Diameter Alloy Steel Chain, Cut Length, Self Colored.....	13.62	3.77
For Plastic Dipped, Add	0.91	
05 59 65 00-0006 LF 5/8" Diameter Alloy Steel Chain, Cut Length, Self Colored.....	22.99	6.38
For Plastic Dipped, Add	1.53	
05 59 65 00-0007 LF 3/4" Diameter Alloy Steel Chain, Cut Length, Self Colored.....	32.26	8.95
For Plastic Dipped, Add	2.15	
05 59 65 00-0008 LF 7/8" Diameter Alloy Steel Chain, Cut Length, Self Colored.....	43.43	11.19
For Plastic Dipped, Add	3.16	
05 59 65 00-0009 LF 1" Diameter Alloy Steel Chain, Cut Length, Self Colored.....	62.11	14.91
For Plastic Dipped, Add	4.84	
05 59 65 00-0010 LF 1-1/4" Diameter Alloy Steel Chain, Cut Length, Self Colored.....	100.00	22.37
For Plastic Dipped, Add	8.29	
05 59 69 Metal Panels <small>(05 59)</small>		
05 59 69 00-0001 Woven And Welded Wire Cloth <small>(05 59 69)</small>		
Note: Excludes frame and fastening to frame. See CSI section 05 12 23 00-0129 for spot welding.		
05 59 69 00-0002 Plain Steel Woven And Welded Wire Cloth Panels <small>(05 59 69 00-0001)</small>		
05 59 69 00-0003 2" Square Wire Spacing <small>(05 59 69 00-0002)</small>		
05 59 69 00-0004 SF 0.12" Thick Wire, 2" Spacing, 0.44 LB/SF Woven And Welded Wire Cloth Panels.....	6.82	2.39
For Up To 2, Add	2.00	
For >2 To 6, Add	1.16	
For >15 To 40, Deduct	-0.18	
For >40, Deduct	-0.54	
For Galvanized, Add	1.82	
For Aluminum, Add	2.18	
For 304 Stainless Steel, Add	8.71	
For 316 Stainless Steel, Add	9.98	
05 59 69 00-0005 SF 0.135" Thick Wire, 2" Spacing, 0.55 LB/SF Woven And Welded Wire Cloth Panels.....	7.31	2.49
For Up To 2, Add	2.13	
For >2 To 6, Add	1.23	
For >15 To 40, Deduct	-0.20	
For >40, Deduct	-0.60	
For Galvanized, Add	2.00	
For Aluminum, Add	2.39	
For 304 Stainless Steel, Add	9.58	
For 316 Stainless Steel, Add	10.97	
05 59 69 00-0006 SF 0.148" Thick Wire, 2" Spacing, 0.65 LB/SF Woven And Welded Wire Cloth Panels.....	7.80	2.76
For Up To 2, Add	2.30	
For >2 To 6, Add	1.33	
For >15 To 40, Deduct	-0.21	
For >40, Deduct	-0.62	
For Galvanized, Add	2.06	
For Aluminum, Add	2.47	
For 304 Stainless Steel, Add	9.89	
For 316 Stainless Steel, Add	11.33	

05	Metals
05 50	Metal Fabrications
05 59	Metal Specialties



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 59 69 00-0007	SF		0.162" Thick Wire, 2" Spacing, 0.78 LB/SF Woven And Welded Wire Cloth Panels.....	8.21	2.87
			For Up To 2, Add	2.41	
			For >2 To 6, Add	1.40	
			For >15 To 40, Deduct	-0.22	
			For >40, Deduct	-0.66	
			For Galvanized, Add	2.19	
			For Aluminum, Add	2.63	
			For 304 Stainless Steel, Add	10.51	
			For 316 Stainless Steel, Add	12.05	
05 59 69 00-0008	SF		0.177" Thick Wire, 2" Spacing, 0.92 LB/SF Woven And Welded Wire Cloth Panels.....	9.01	3.22
			For Up To 2, Add	2.66	
			For >2 To 6, Add	1.55	
			For >15 To 40, Deduct	-0.24	
			For >40, Deduct	-0.71	
			For Galvanized, Add	2.36	
			For Aluminum, Add	2.83	
			For 304 Stainless Steel, Add	11.30	
			For 316 Stainless Steel, Add	12.95	
05 59 69 00-0009	SF		0.192" Thick Wire, 2" Spacing, 1.08 LB/SF Woven And Welded Wire Cloth Panels.....	10.32	3.59
			For Up To 2, Add	3.02	
			For >2 To 6, Add	1.75	
			For >15 To 40, Deduct	-0.28	
			For >40, Deduct	-0.83	
			For Galvanized, Add	2.77	
			For Aluminum, Add	3.32	
			For 304 Stainless Steel, Add	13.27	
			For 316 Stainless Steel, Add	15.21	
05 59 69 00-0010	SF		0.207" Thick Wire, 2" Spacing, 1.25 LB/SF Woven And Welded Wire Cloth Panels.....	11.66	3.94
			For Up To 2, Add	3.38	
			For >2 To 6, Add	1.96	
			For >15 To 40, Deduct	-0.32	
			For >40, Deduct	-0.96	
			For Galvanized, Add	3.20	
			For Aluminum, Add	3.84	
			For 304 Stainless Steel, Add	15.36	
			For 316 Stainless Steel, Add	17.60	
05 59 69 00-0011	SF		0.225" Thick Wire, 2" Spacing, 1.46 LB/SF Woven And Welded Wire Cloth Panels.....	13.32	4.39
			For Up To 2, Add	3.83	
			For >2 To 6, Add	2.21	
			For >15 To 40, Deduct	-0.37	
			For >40, Deduct	-1.12	
			For Galvanized, Add	3.74	
			For Aluminum, Add	4.48	
			For 304 Stainless Steel, Add	17.93	
			For 316 Stainless Steel, Add	20.54	
05 59 69 00-0012			1-3/4" Square Wire Spacing (05 59 69 00-0002)		
05 59 69 00-0013	SF		0.12" Thick Wire, 1-3/4" Spacing, 0.49 LB/SF Woven And Welded Wire Cloth Panels	7.15	2.54
			For Up To 2, Add	2.10	
			For >2 To 6, Add	1.22	
			For >15 To 40, Deduct	-0.19	
			For >40, Deduct	-0.57	
			For Galvanized, Add	1.89	
			For Aluminum, Add	2.27	
			For 304 Stainless Steel, Add	9.07	
			For 316 Stainless Steel, Add	10.40	
05 59 69 00-0014	SF		0.135" Thick Wire, 1-3/4" Spacing, 0.62 LB/SF Woven And Welded Wire Cloth Panels	7.84	2.67
			For Up To 2, Add	2.28	
			For >2 To 6, Add	1.32	
			For >15 To 40, Deduct	-0.21	
			For >40, Deduct	-0.64	
			For Galvanized, Add	2.14	
			For Aluminum, Add	2.57	
			For 304 Stainless Steel, Add	10.27	
			For 316 Stainless Steel, Add	11.77	
05 59 69 00-0015	SF		0.148" Thick Wire, 1-3/4" Spacing, 0.74 LB/SF Woven And Welded Wire Cloth Panels	8.47	2.99
			For Up To 2, Add	2.49	
			For >2 To 6, Add	1.45	
			For >15 To 40, Deduct	-0.22	
			For >40, Deduct	-0.67	
			For Galvanized, Add	2.24	
			For Aluminum, Add	2.68	
			For 304 Stainless Steel, Add	10.73	
			For 316 Stainless Steel, Add	12.29	
05 59 69 00-0016	SF		0.162" Thick Wire, 1-3/4" Spacing, 0.88 LB/SF Woven And Welded Wire Cloth Panels	8.83	3.09
			For Up To 2, Add	2.59	
			For >2 To 6, Add	1.50	
			For >15 To 40, Deduct	-0.24	
			For >40, Deduct	-0.71	
			For Galvanized, Add	2.36	
			For Aluminum, Add	2.83	
			For 304 Stainless Steel, Add	11.30	
			For 316 Stainless Steel, Add	12.95	



Metals	05	05
Metal Fabrications	05 50	
Metal Specialties	05 59	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 59 69 00-0017 SF 0.177" Thick Wire, 1-3/4" Spacing, 1.04 LB/SF Woven And Welded Wire Cloth Panels	9.69	3.46
For Up To 2, Add	2.86	
For >2 To 6, Add	1.66	
For >15 To 40, Deduct	-0.25	
For >40, Deduct	-0.76	
For Galvanized, Add	2.54	
For Aluminum, Add	3.04	
For 304 Stainless Steel, Add	12.17	
For 316 Stainless Steel, Add	13.94	
05 59 69 00-0018 SF 0.192" Thick Wire, 1-3/4" Spacing, 1.22 LB/SF Woven And Welded Wire Cloth Panels	11.10	3.86
For Up To 2, Add	3.25	
For >2 To 6, Add	1.88	
For >15 To 40, Deduct	-0.30	
For >40, Deduct	-0.89	
For Galvanized, Add	2.98	
For Aluminum, Add	3.57	
For 304 Stainless Steel, Add	14.28	
For 316 Stainless Steel, Add	16.36	
05 59 69 00-0019 SF 0.207" Thick Wire, 1-3/4" Spacing, 1.41 LB/SF Woven And Welded Wire Cloth Panels	12.53	4.25
For Up To 2, Add	3.64	
For >2 To 6, Add	2.10	
For >15 To 40, Deduct	-0.34	
For >40, Deduct	-1.03	
For Galvanized, Add	3.44	
For Aluminum, Add	4.12	
For 304 Stainless Steel, Add	16.49	
For 316 Stainless Steel, Add	18.89	
05 59 69 00-0020 SF 0.225" Thick Wire, 1-3/4" Spacing, 1.65 LB/SF Woven And Welded Wire Cloth Panels	14.33	4.72
For Up To 2, Add	4.12	
For >2 To 6, Add	2.38	
For >15 To 40, Deduct	-0.40	
For >40, Deduct	-1.21	
For Galvanized, Add	4.02	
For Aluminum, Add	4.82	
For 304 Stainless Steel, Add	19.30	
For 316 Stainless Steel, Add	22.11	
05 59 69 00-0021 1-1/2" Square Wire Spacing <small>(05 59 69 00-0002)</small>		
05 59 69 00-0022 SF 0.12" Thick Wire, 1-1/2" Spacing, 0.57 LB/SF Woven And Welded Wire Cloth Panels	7.93	2.81
For Up To 2, Add	2.33	
For >2 To 6, Add	1.35	
For >15 To 40, Deduct	-0.21	
For >40, Deduct	-0.63	
For Galvanized, Add	2.10	
For Aluminum, Add	2.51	
For 304 Stainless Steel, Add	10.06	
For 316 Stainless Steel, Add	11.52	
05 59 69 00-0023 SF 0.135" Thick Wire, 1-1/2" Spacing, 0.72 LB/SF Woven And Welded Wire Cloth Panels	8.66	2.95
For Up To 2, Add	2.52	
For >2 To 6, Add	1.46	
For >15 To 40, Deduct	-0.24	
For >40, Deduct	-0.71	
For Galvanized, Add	2.37	
For Aluminum, Add	2.84	
For 304 Stainless Steel, Add	11.35	
For 316 Stainless Steel, Add	13.01	
05 59 69 00-0024 SF 0.148" Thick Wire, 1-1/2" Spacing, 0.85 LB/SF Woven And Welded Wire Cloth Panels	9.26	3.27
For Up To 2, Add	2.73	
For >2 To 6, Add	1.58	
For >15 To 40, Deduct	-0.24	
For >40, Deduct	-0.73	
For Galvanized, Add	2.45	
For Aluminum, Add	2.93	
For 304 Stainless Steel, Add	11.74	
For 316 Stainless Steel, Add	13.45	
05 59 69 00-0025 SF 0.162" Thick Wire, 1-1/2" Spacing, 1.02 LB/SF Woven And Welded Wire Cloth Panels	9.75	3.41
For Up To 2, Add	2.86	
For >2 To 6, Add	1.66	
For >15 To 40, Deduct	-0.26	
For >40, Deduct	-0.78	
For Galvanized, Add	2.60	
For Aluminum, Add	3.12	
For 304 Stainless Steel, Add	12.48	
For 316 Stainless Steel, Add	14.30	
05 59 69 00-0026 SF 0.177" Thick Wire, 1-1/2" Spacing, 1.2 LB/SF Woven And Welded Wire Cloth Panels	10.65	3.81
For Up To 2, Add	3.15	
For >2 To 6, Add	1.83	
For >15 To 40, Deduct	-0.28	
For >40, Deduct	-0.84	
For Galvanized, Add	2.79	
For Aluminum, Add	3.34	
For 304 Stainless Steel, Add	13.37	
For 316 Stainless Steel, Add	15.32	

05 Metals**05 50 Metal Fabrications****05 59 Metal Specialties**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 59 69 00-0027	SF		0.192" Thick Wire, 1-1/2" Spacing, 1.4 LB/SF Woven And Welded Wire Cloth Panels	12.13	4.23
			<i>For Up To 2, Add</i>	3.55	
			<i>For >2 To 6, Add</i>	2.06	
			<i>For >15 To 40, Deduct</i>	-0.33	
			<i>For >40, Deduct</i>	-0.98	
			<i>For Galvanized, Add</i>	3.25	
			<i>For Aluminum, Add</i>	3.90	
			<i>For 304 Stainless Steel, Add</i>	15.60	
			<i>For 316 Stainless Steel, Add</i>	17.88	
05 59 69 00-0028	SF		0.207" Thick Wire, 1-1/2" Spacing, 1.62 LB/SF Woven And Welded Wire Cloth Panels	13.71	4.65
			<i>For Up To 2, Add</i>	3.98	
			<i>For >2 To 6, Add</i>	2.30	
			<i>For >15 To 40, Deduct</i>	-0.38	
			<i>For >40, Deduct</i>	-1.13	
			<i>For Galvanized, Add</i>	3.76	
			<i>For Aluminum, Add</i>	4.51	
			<i>For 304 Stainless Steel, Add</i>	18.05	
			<i>For 316 Stainless Steel, Add</i>	20.68	
05 59 69 00-0029	SF		0.225" Thick Wire, 1-1/2" Spacing, 1.89 LB/SF Woven And Welded Wire Cloth Panels	15.62	5.14
			<i>For Up To 2, Add</i>	4.49	
			<i>For >2 To 6, Add</i>	2.59	
			<i>For >15 To 40, Deduct</i>	-0.44	
			<i>For >40, Deduct</i>	-1.32	
			<i>For Galvanized, Add</i>	4.39	
			<i>For Aluminum, Add</i>	5.26	
			<i>For 304 Stainless Steel, Add</i>	21.05	
			<i>For 316 Stainless Steel, Add</i>	24.12	
05 59 69 00-0030			1-1/4" Square Wire Spacing (05 59 69 00-0002)		
05 59 69 00-0031	SF		0.105" Thick Wire, 1-1/4" Spacing, 0.52 LB/SF Woven And Welded Wire Cloth Panels	8.16	3.03
			<i>For Up To 2, Add</i>	2.44	
			<i>For >2 To 6, Add</i>	1.43	
			<i>For >15 To 40, Deduct</i>	-0.21	
			<i>For >40, Deduct</i>	-0.62	
			<i>For Galvanized, Add</i>	2.05	
			<i>For Aluminum, Add</i>	2.46	
			<i>For 304 Stainless Steel, Add</i>	9.84	
			<i>For 316 Stainless Steel, Add</i>	11.28	
05 59 69 00-0032	SF		0.12" Thick Wire, 1-1/4" Spacing, 0.68 LB/SF Woven And Welded Wire Cloth Panels	8.79	3.19
			<i>For Up To 2, Add</i>	2.61	
			<i>For >2 To 6, Add</i>	1.52	
			<i>For >15 To 40, Deduct</i>	-0.23	
			<i>For >40, Deduct</i>	-0.68	
			<i>For Galvanized, Add</i>	2.27	
			<i>For Aluminum, Add</i>	2.72	
			<i>For 304 Stainless Steel, Add</i>	10.90	
			<i>For 316 Stainless Steel, Add</i>	12.49	
05 59 69 00-0033	SF		0.135" Thick Wire, 1-1/4" Spacing, 0.85 LB/SF Woven And Welded Wire Cloth Panels	9.51	3.32
			<i>For Up To 2, Add</i>	2.79	
			<i>For >2 To 6, Add</i>	1.62	
			<i>For >15 To 40, Deduct</i>	-0.25	
			<i>For >40, Deduct</i>	-0.76	
			<i>For Galvanized, Add</i>	2.54	
			<i>For Aluminum, Add</i>	3.05	
			<i>For 304 Stainless Steel, Add</i>	12.19	
			<i>For 316 Stainless Steel, Add</i>	13.97	
05 59 69 00-0034	SF		0.148" Thick Wire, 1-1/4" Spacing, 1.01 LB/SF Woven And Welded Wire Cloth Panels	9.79	3.38
			<i>For Up To 2, Add</i>	2.86	
			<i>For >2 To 6, Add</i>	1.66	
			<i>For >15 To 40, Deduct</i>	-0.26	
			<i>For >40, Deduct</i>	-0.79	
			<i>For Galvanized, Add</i>	2.64	
			<i>For Aluminum, Add</i>	3.17	
			<i>For 304 Stainless Steel, Add</i>	12.67	
			<i>For 316 Stainless Steel, Add</i>	14.52	
05 59 69 00-0035	SF		0.162" Thick Wire, 1-1/4" Spacing, 1.2 LB/SF Woven And Welded Wire Cloth Panels	10.65	3.82
			<i>For Up To 2, Add</i>	3.15	
			<i>For >2 To 6, Add</i>	1.83	
			<i>For >15 To 40, Deduct</i>	-0.28	
			<i>For >40, Deduct</i>	-0.83	
			<i>For Galvanized, Add</i>	2.78	
			<i>For Aluminum, Add</i>	3.34	
			<i>For 304 Stainless Steel, Add</i>	13.34	
			<i>For 316 Stainless Steel, Add</i>	15.29	
05 59 69 00-0036	SF		0.177" Thick Wire, 1-1/4" Spacing, 1.42 LB/SF Woven And Welded Wire Cloth Panels	12.01	4.30
			<i>For Up To 2, Add</i>	3.55	
			<i>For >2 To 6, Add</i>	2.06	
			<i>For >15 To 40, Deduct</i>	-0.31	
			<i>For >40, Deduct</i>	-0.94	
			<i>For Galvanized, Add</i>	3.14	
			<i>For Aluminum, Add</i>	3.77	
			<i>For 304 Stainless Steel, Add</i>	15.07	
			<i>For 316 Stainless Steel, Add</i>	17.27	



Metals	05	05
Metal Fabrications	05 50	
Metal Specialties	05 59	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 59 69 00-0037 SF 0.192" Thick Wire, 1-1/4" Spacing, 1.65 LB/SF Woven And Welded Wire Cloth Panels	13.61	4.74
For Up To 2, Add	3.99	
For >2 To 6, Add	2.31	
For >15 To 40, Deduct	-0.36	
For >40, Deduct	-1.09	
For Galvanized, Add	3.65	
For Aluminum, Add	4.37	
For 304 Stainless Steel, Add	17.50	
For 316 Stainless Steel, Add	20.05	
05 59 69 00-0038 SF 0.207" Thick Wire, 1-1/4" Spacing, 1.9 LB/SF Woven And Welded Wire Cloth Panels	15.31	5.18
For Up To 2, Add	4.44	
For >2 To 6, Add	2.57	
For >15 To 40, Deduct	-0.42	
For >40, Deduct	-1.26	
For Galvanized, Add	4.20	
For Aluminum, Add	5.04	
For 304 Stainless Steel, Add	20.16	
For 316 Stainless Steel, Add	23.10	
05 59 69 00-0039 SF 0.225" Thick Wire, 1-1/4" Spacing, 2.22 LB/SF Woven And Welded Wire Cloth Panels	17.48	5.76
For Up To 2, Add	5.03	
For >2 To 6, Add	2.90	
For >15 To 40, Deduct	-0.49	
For >40, Deduct	-1.47	
For Galvanized, Add	4.91	
For Aluminum, Add	5.89	
For 304 Stainless Steel, Add	23.54	
For 316 Stainless Steel, Add	26.98	
05 59 69 00-0040 1" Square Wire Spacing (05 59 69 00-0002)		
05 59 69 00-0041 SF 0.105" Thick Wire, 1" Spacing, 0.64 LB/SF Woven And Welded Wire Cloth Panels	9.33	3.56
For Up To 2, Add	2.81	
For >2 To 6, Add	1.64	
For >15 To 40, Deduct	-0.23	
For >40, Deduct	-0.69	
For Galvanized, Add	2.30	
For Aluminum, Add	2.75	
For 304 Stainless Steel, Add	11.02	
For 316 Stainless Steel, Add	12.62	
05 59 69 00-0042 SF 0.12" Thick Wire, 1" Spacing, 0.83 LB/SF Woven And Welded Wire Cloth Panels	9.98	3.70
For Up To 2, Add	2.98	
For >2 To 6, Add	1.74	
For >15 To 40, Deduct	-0.25	
For >40, Deduct	-0.76	
For Galvanized, Add	2.52	
For Aluminum, Add	3.02	
For 304 Stainless Steel, Add	12.10	
For 316 Stainless Steel, Add	13.86	
05 59 69 00-0043 SF 0.135" Thick Wire, 1" Spacing, 1.04 LB/SF Woven And Welded Wire Cloth Panels	10.39	3.86
For Up To 2, Add	3.11	
For >2 To 6, Add	1.81	
For >15 To 40, Deduct	-0.26	
For >40, Deduct	-0.78	
For Galvanized, Add	2.62	
For Aluminum, Add	3.14	
For 304 Stainless Steel, Add	12.55	
For 316 Stainless Steel, Add	14.38	
05 59 69 00-0044 SF 0.148" Thick Wire, 1" Spacing, 1.23 LB/SF Woven And Welded Wire Cloth Panels	11.08	3.92
For Up To 2, Add	3.26	
For >2 To 6, Add	1.89	
For >15 To 40, Deduct	-0.29	
For >40, Deduct	-0.88	
For Galvanized, Add	2.93	
For Aluminum, Add	3.51	
For 304 Stainless Steel, Add	14.04	
For 316 Stainless Steel, Add	16.09	
05 59 69 00-0045 SF 0.162" Thick Wire, 1" Spacing, 1.46 LB/SF Woven And Welded Wire Cloth Panels	12.34	4.42
For Up To 2, Add	3.65	
For >2 To 6, Add	2.12	
For >15 To 40, Deduct	-0.32	
For >40, Deduct	-0.97	
For Galvanized, Add	3.22	
For Aluminum, Add	3.86	
For 304 Stainless Steel, Add	15.46	
For 316 Stainless Steel, Add	17.71	
05 59 69 00-0046 SF 0.177" Thick Wire, 1" Spacing, 1.72 LB/SF Woven And Welded Wire Cloth Panels	13.84	4.95
For Up To 2, Add	4.09	
For >2 To 6, Add	2.37	
For >15 To 40, Deduct	-0.36	
For >40, Deduct	-1.09	
For Galvanized, Add	3.62	
For Aluminum, Add	4.34	
For 304 Stainless Steel, Add	17.38	
For 316 Stainless Steel, Add	19.91	

05 Metals**05 50 Metal Fabrications****05 59 Metal Specialties**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 59 69 00-0047	SF		0.192" Thick Wire, 1" Spacing, 2.01 LB/SF Woven And Welded Wire Cloth Panels.....	15.79	5.49
			For Up To 2, Add	4.62	
			For >2 To 6, Add	2.68	
			For >15 To 40, Deduct	-0.42	
			For >40, Deduct	-1.27	
			For Galvanized, Add	4.23	
			For Aluminum, Add	5.08	
			For 304 Stainless Steel, Add	20.30	
			For 316 Stainless Steel, Add	23.27	
05 59 69 00-0048	SF		0.207" Thick Wire, 1" Spacing, 2.31 LB/SF Woven And Welded Wire Cloth Panels.....	17.72	6.01
			For Up To 2, Add	5.14	
			For >2 To 6, Add	2.97	
			For >15 To 40, Deduct	-0.49	
			For >40, Deduct	-1.46	
			For Galvanized, Add	4.86	
			For Aluminum, Add	5.83	
			For 304 Stainless Steel, Add	23.33	
			For 316 Stainless Steel, Add	26.73	
05 59 69 00-0049	SF		0.225" Thick Wire, 1" Spacing, 2.69 LB/SF Woven And Welded Wire Cloth Panels.....	20.18	6.64
			For Up To 2, Add	5.81	
			For >2 To 6, Add	3.35	
			For >15 To 40, Deduct	-0.57	
			For >40, Deduct	-1.70	
			For Galvanized, Add	5.66	
			For Aluminum, Add	6.79	
			For 304 Stainless Steel, Add	27.17	
			For 316 Stainless Steel, Add	31.13	
05 59 69 00-0050			3/4" Square Wire Spacing <small>(05 59 69 00-0002)</small>		
05 59 69 00-0051	SF		0.105" Thick Wire, 3/4" Spacing, 0.83 LB/SF Woven And Welded Wire Cloth Panels.....	9.43	3.55
			For Up To 2, Add	2.83	
			For >2 To 6, Add	1.65	
			For >15 To 40, Deduct	-0.24	
			For >40, Deduct	-0.71	
			For Galvanized, Add	2.35	
			For Aluminum, Add	2.82	
			For 304 Stainless Steel, Add	11.28	
			For 316 Stainless Steel, Add	12.93	
05 59 69 00-0052	SF		0.12" Thick Wire, 3/4" Spacing, 1.07 LB/SF Woven And Welded Wire Cloth Panels.....	10.53	3.99
			For Up To 2, Add	3.17	
			For >2 To 6, Add	1.85	
			For >15 To 40, Deduct	-0.26	
			For >40, Deduct	-0.78	
			For Galvanized, Add	2.62	
			For Aluminum, Add	3.14	
			For 304 Stainless Steel, Add	12.55	
			For 316 Stainless Steel, Add	14.38	
05 59 69 00-0053	SF		0.135" Thick Wire, 3/4" Spacing, 1.33 LB/SF Woven And Welded Wire Cloth Panels.....	11.69	4.50
			For Up To 2, Add	3.54	
			For >2 To 6, Add	2.07	
			For >15 To 40, Deduct	-0.28	
			For >40, Deduct	-0.85	
			For Galvanized, Add	2.85	
			For Aluminum, Add	3.41	
			For 304 Stainless Steel, Add	13.66	
			For 316 Stainless Steel, Add	15.65	
05 59 69 00-0054	SF		0.148" Thick Wire, 3/4" Spacing, 1.58 LB/SF Woven And Welded Wire Cloth Panels.....	12.62	4.80
			For Up To 2, Add	3.80	
			For >2 To 6, Add	2.22	
			For >15 To 40, Deduct	-0.31	
			For >40, Deduct	-0.93	
			For Galvanized, Add	3.11	
			For Aluminum, Add	3.73	
			For 304 Stainless Steel, Add	14.93	
			For 316 Stainless Steel, Add	17.11	
05 59 69 00-0055	SF		0.162" Thick Wire, 3/4" Spacing, 1.87 LB/SF Woven And Welded Wire Cloth Panels.....	14.56	5.39
			For Up To 2, Add	4.35	
			For >2 To 6, Add	2.54	
			For >15 To 40, Deduct	-0.37	
			For >40, Deduct	-1.10	
			For Galvanized, Add	3.68	
			For Aluminum, Add	4.42	
			For 304 Stainless Steel, Add	17.66	
			For 316 Stainless Steel, Add	20.24	
05 59 69 00-0056	SF		0.177" Thick Wire, 3/4" Spacing, 2.2 LB/SF Woven And Welded Wire Cloth Panels.....	16.70	6.03
			For Up To 2, Add	4.95	
			For >2 To 6, Add	2.88	
			For >15 To 40, Deduct	-0.43	
			For >40, Deduct	-1.30	
			For Galvanized, Add	4.33	
			For Aluminum, Add	5.20	
			For 304 Stainless Steel, Add	20.78	
			For 316 Stainless Steel, Add	23.82	



Metals	05	05
Metal Fabrications	05 50	
Metal Specialties	05 59	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 59 69 00-0057 SF 0.192" Thick Wire, 3/4" Spacing, 2.56 LB/SF Woven And Welded Wire Cloth Panels	18.98	6.67
For Up To 2, Add	5.58	
For >2 To 6, Add	3.23	
For >15 To 40, Deduct	-0.50	
For >40, Deduct	-1.51	
For Galvanized, Add	5.04	
For Aluminum, Add	6.05	
For 304 Stainless Steel, Add	24.19	
For 316 Stainless Steel, Add	27.72	
05 59 69 00-0058 SF 0.207" Thick Wire, 3/4" Spacing, 2.93 LB/SF Woven And Welded Wire Cloth Panels	21.20	7.25
For Up To 2, Add	6.17	
For >2 To 6, Add	3.57	
For >15 To 40, Deduct	-0.58	
For >40, Deduct	-1.73	
For Galvanized, Add	5.77	
For Aluminum, Add	6.92	
For 304 Stainless Steel, Add	27.70	
For 316 Stainless Steel, Add	31.74	
05 59 69 00-0059 SF 0.225" Thick Wire, 3/4" Spacing, 3.41 LB/SF Woven And Welded Wire Cloth Panels	24.12	8.02
For Up To 2, Add	6.96	
For >2 To 6, Add	4.02	
For >15 To 40, Deduct	-0.67	
For >40, Deduct	-2.01	
For Galvanized, Add	6.72	
For Aluminum, Add	8.06	
For 304 Stainless Steel, Add	32.23	
For 316 Stainless Steel, Add	36.93	
05 59 69 00-0060 1/2" Square Wire Spacing (05 59 69 00-0002)		
05 59 69 00-0061 SF 0.105" Thick Wire, 1/2" Spacing, 1.18 LB/SF Woven And Welded Wire Cloth Panels	9.87	3.80
For Up To 2, Add	2.99	
For >2 To 6, Add	1.75	
For >15 To 40, Deduct	-0.24	
For >40, Deduct	-0.72	
For Galvanized, Add	2.41	
For Aluminum, Add	2.89	
For 304 Stainless Steel, Add	11.54	
For 316 Stainless Steel, Add	13.23	
05 59 69 00-0062 SF 0.12" Thick Wire, 1/2" Spacing, 1.51 LB/SF Woven And Welded Wire Cloth Panels	11.60	4.62
For Up To 2, Add	3.55	
For >2 To 6, Add	2.09	
For >15 To 40, Deduct	-0.27	
For >40, Deduct	-0.81	
For Galvanized, Add	2.72	
For Aluminum, Add	3.26	
For 304 Stainless Steel, Add	13.03	
For 316 Stainless Steel, Add	14.93	
05 59 69 00-0063 SF 0.135" Thick Wire, 1/2" Spacing, 1.88 LB/SF Woven And Welded Wire Cloth Panels	13.99	5.46
For Up To 2, Add	4.26	
For >2 To 6, Add	2.49	
For >15 To 40, Deduct	-0.34	
For >40, Deduct	-1.01	
For Galvanized, Add	3.35	
For Aluminum, Add	4.02	
For 304 Stainless Steel, Add	16.08	
For 316 Stainless Steel, Add	18.43	
05 59 69 00-0064 SF 0.148" Thick Wire, 1/2" Spacing, 2.22 LB/SF Woven And Welded Wire Cloth Panels	16.09	6.13
For Up To 2, Add	4.85	
For >2 To 6, Add	2.84	
For >15 To 40, Deduct	-0.40	
For >40, Deduct	-1.19	
For Galvanized, Add	3.96	
For Aluminum, Add	4.75	
For 304 Stainless Steel, Add	18.98	
For 316 Stainless Steel, Add	21.75	
05 59 69 00-0065 SF 0.162" Thick Wire, 1/2" Spacing, 2.61 LB/SF Woven And Welded Wire Cloth Panels	18.43	6.84
For Up To 2, Add	5.51	
For >2 To 6, Add	3.21	
For >15 To 40, Deduct	-0.47	
For >40, Deduct	-1.40	
For Galvanized, Add	4.65	
For Aluminum, Add	5.58	
For 304 Stainless Steel, Add	22.32	
For 316 Stainless Steel, Add	25.58	
05 59 69 00-0066 SF 0.177" Thick Wire, 1/2" Spacing, 3.06 LB/SF Woven And Welded Wire Cloth Panels	21.08	7.63
For Up To 2, Add	6.25	
For >2 To 6, Add	3.63	
For >15 To 40, Deduct	-0.55	
For >40, Deduct	-1.64	
For Galvanized, Add	5.46	
For Aluminum, Add	6.55	
For 304 Stainless Steel, Add	26.18	
For 316 Stainless Steel, Add	30.00	

05	Metals
05 50	Metal Fabrications
05 59	Metal Specialties



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 59 69 00-0067	SF		0.192" Thick Wire, 1/2" Spacing, 3.54 LB/SF Woven And Welded Wire Cloth Panels.....	23.80	8.38
			<i>For Up To 2, Add</i>	7.00	
			<i>For >2 To 6, Add</i>	4.06	
			<i>For >15 To 40, Deduct</i>	-0.63	
			<i>For >40, Deduct</i>	-1.89	
			<i>For Galvanized, Add</i>	6.31	
			<i>For Aluminum, Add</i>	7.57	
			<i>For 304 Stainless Steel, Add</i>	30.29	
			<i>For 316 Stainless Steel, Add</i>	34.71	
05 59 69 00-0068	SF		0.207" Thick Wire, 1/2" Spacing, 4.04 LB/SF Woven And Welded Wire Cloth Panels.....	26.52	9.10
			<i>For Up To 2, Add</i>	7.73	
			<i>For >2 To 6, Add</i>	4.47	
			<i>For >15 To 40, Deduct</i>	-0.72	
			<i>For >40, Deduct</i>	-2.16	
			<i>For Galvanized, Add</i>	7.20	
			<i>For Aluminum, Add</i>	8.64	
			<i>For 304 Stainless Steel, Add</i>	34.56	
			<i>For 316 Stainless Steel, Add</i>	39.60	
05 59 69 00-0069	SF		0.225" Thick Wire, 1/2" Spacing, 4.68 LB/SF Woven And Welded Wire Cloth Panels.....	27.73	10.00
			<i>For Up To 2, Add</i>	8.21	
			<i>For >2 To 6, Add</i>	4.77	
			<i>For >15 To 40, Deduct</i>	-0.72	
			<i>For >40, Deduct</i>	-2.16	
			<i>For Galvanized, Add</i>	7.20	
			<i>For Aluminum, Add</i>	8.64	
			<i>For 304 Stainless Steel, Add</i>	34.56	
			<i>For 316 Stainless Steel, Add</i>	39.60	
05 59 69 00-0070			Expanded Metal Panels <small>(05 59 69)</small>		
			Note: Excludes frame and fastening to frame. See CSI section 05 12 23 00-0129 for spot welding.		
05 59 69 00-0071			Plain Flattened Expanded Metal Diamond Shape Panels <small>(05 59 69 00-0070)</small>		
			Note: Excludes frame and fastening to frame. See CSI section 05 12 23 00-0129 for spot welding.		
05 59 69 00-0072	SF		1/4" #20-F Plain Expanded Metal Panel, 0.82 LB/SF	8.52	3.27
			<i>For Galvanized, Add</i>	2.08	
			<i>For Aluminum, Add</i>	2.49	
			<i>For 304 Stainless Steel, Add</i>	9.96	
			<i>For 316 Stainless Steel, Add</i>	11.41	
05 59 69 00-0073	SF		1/4" #18-F Plain Expanded Metal Panel, 1.08 LB/SF	10.65	3.59
			<i>For Galvanized, Add</i>	2.93	
			<i>For Aluminum, Add</i>	3.52	
			<i>For 304 Stainless Steel, Add</i>	14.06	
			<i>For 316 Stainless Steel, Add</i>	16.12	
05 59 69 00-0074	SF		1/2" #20-F Plain Expanded Metal Panel, 0.40 LB/SF	6.15	2.54
			<i>For Galvanized, Add</i>	1.39	
			<i>For Aluminum, Add</i>	1.67	
			<i>For 304 Stainless Steel, Add</i>	6.67	
			<i>For 316 Stainless Steel, Add</i>	7.65	
05 59 69 00-0075	SF		1/2" #18-F Plain Expanded Metal Panel, 0.66 LB/SF	6.73	2.76
			<i>For Galvanized, Add</i>	1.53	
			<i>For Aluminum, Add</i>	1.83	
			<i>For 304 Stainless Steel, Add</i>	7.32	
			<i>For 316 Stainless Steel, Add</i>	8.39	
05 59 69 00-0076	SF		1/2" #16-F Plain Expanded Metal Panel, 0.82 LB/SF	7.63	3.27
			<i>For Galvanized, Add</i>	1.63	
			<i>For Aluminum, Add</i>	1.96	
			<i>For 304 Stainless Steel, Add</i>	7.82	
			<i>For 316 Stainless Steel, Add</i>	8.97	
05 59 69 00-0077	SF		1/2" #13-F Plain Expanded Metal Panel, 1.4 LB/SF	9.77	4.23
			<i>For Galvanized, Add</i>	2.07	
			<i>For Aluminum, Add</i>	2.48	
			<i>For 304 Stainless Steel, Add</i>	9.94	
			<i>For 316 Stainless Steel, Add</i>	11.39	
05 59 69 00-0078	SF		3/4" #16-F Plain Expanded Metal Panel, 0.51 LB/SF	5.40	2.49
			<i>For Galvanized, Add</i>	1.04	
			<i>For Aluminum, Add</i>	1.25	
			<i>For 304 Stainless Steel, Add</i>	4.99	
			<i>For 316 Stainless Steel, Add</i>	5.72	
05 59 69 00-0079	SF		3/4" #14-F Plain Expanded Metal Panel, 0.63 LB/SF	6.04	2.67
			<i>For Galvanized, Add</i>	1.24	
			<i>For Aluminum, Add</i>	1.49	
			<i>For 304 Stainless Steel, Add</i>	5.95	
			<i>For 316 Stainless Steel, Add</i>	6.82	
05 59 69 00-0080	SF		3/4" #13-F Plain Expanded Metal Panel, 0.75 LB/SF	6.89	2.99
			<i>For Galvanized, Add</i>	1.45	
			<i>For Aluminum, Add</i>	1.73	
			<i>For 304 Stainless Steel, Add</i>	6.94	
			<i>For 316 Stainless Steel, Add</i>	7.95	
05 59 69 00-0081	SF		3/4" #9-F Plain Expanded Metal Panel, 1.71 LB/SF	10.88	4.95
			<i>For Galvanized, Add</i>	2.14	
			<i>For Aluminum, Add</i>	2.57	
			<i>For 304 Stainless Steel, Add</i>	10.27	
			<i>For 316 Stainless Steel, Add</i>	11.77	



Metals	05	05
Metal Fabrications	05 50	
Metal Specialties	05 59	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 59 69 00-0082	SF		1" #16-F Plain Expanded Metal Panel, 0.41 LB/SF	6.07	3.03
			<i>For Galvanized, Add</i>	1.01	
			<i>For Aluminum, Add</i>	1.21	
			<i>For 304 Stainless Steel, Add</i>	4.82	
			<i>For 316 Stainless Steel, Add</i>	5.53	
05 59 69 00-0083	SF		1-1/2" #16-F Plain Expanded Metal Panel, 0.38 LB/SF	5.21	2.39
			<i>For Galvanized, Add</i>	1.01	
			<i>For Aluminum, Add</i>	1.21	
			<i>For 304 Stainless Steel, Add</i>	4.85	
			<i>For 316 Stainless Steel, Add</i>	5.56	
05 59 69 00-0084	SF		1-1/2" #13-F Plain Expanded Metal Panel, 0.57 LB/SF	6.02	2.81
			<i>For Galvanized, Add</i>	1.14	
			<i>For Aluminum, Add</i>	1.37	
			<i>For 304 Stainless Steel, Add</i>	5.47	
			<i>For 316 Stainless Steel, Add</i>	6.27	
05 59 69 00-0085	SF		1-1/2" #9-F Plain Expanded Metal Panel, 1.14 LB/SF	9.26	3.80
			<i>For Galvanized, Add</i>	2.10	
			<i>For Aluminum, Add</i>	2.52	
			<i>For 304 Stainless Steel, Add</i>	10.08	
			<i>For 316 Stainless Steel, Add</i>	11.55	

05 70 Decorative Metal ⁽⁰⁵⁾

Note: Includes anchors and related accessories.

05 71 Decorative Metal Stairs ^(05 70)

05 71 13 Fabricated Metal Spiral Stairs ^(05 71)

Note: Includes factory prime.

05 71 13 00-0001 Spiral Stairs, Stock Units ^(05 71 13)

Note: Includes factory prime.

05 71 13 00-0002 Steel Tread ^(05 71 13 00-0001)

05 71 13 00-0003	VLF		3'-6" Diameter, Spiral Steel Stair With Rails	261.31	43.18
			<i>For Galvanized, Add</i>	122.47	
05 71 13 00-0004	VLF		4' Diameter, Spiral Steel Stair With Rails	296.40	47.50
			<i>For Galvanized, Add</i>	140.98	
05 71 13 00-0005	VLF		4'-6" Diameter, Spiral Steel Stair With Rails	327.41	51.82
			<i>For Galvanized, Add</i>	156.64	
05 71 13 00-0006	VLF		5' Diameter, Spiral Steel Stair With Rails	351.30	56.13
			<i>For Galvanized, Add</i>	167.32	

05 73 Decorative Metal Railings ^(05 70)

Note: Factory primed. Includes brackets.

05 73 00 00-0001 Railings; Vertical Square Bars At 6" ^(05 73)

Note: Centers with shaped top rails (round, square, rectangular, diamond, triangular or other shape).

05 73 00 00-0002	LF		Steel Ornamental Handrail Vertical Square Bars At 6", Shaped Top Rail, Up To 42" High	64.54	9.50
			<i>For Rake Or Angle Railings, Add</i>	8.62	
			<i>For Curved Railings, Add</i>	18.08	
			<i>For 4" On Center Standards, Add</i>	1.97	
			<i>For 4-1/2" On Center Standards, Add</i>	1.58	
			<i>For 5" On Center Standards, Add</i>	1.05	
			<i>For 5-1/2" On Center Standards, Add</i>	0.53	
			<i>For Each Field Bending Of Rails, Add</i>	12.07	
			<i>For Galvanized, Add</i>	3.68	
05 73 00 00-0003	LF		Aluminum Ornamental Handrail Vertical Square Bars At 6", Shaped Top Rail, Up To 42" High	81.72	12.96
			<i>For Rake Or Angle Railings, Add</i>	11.39	
			<i>For Curved Railings, Add</i>	21.56	
			<i>For 4" On Center Standards, Add</i>	2.18	
			<i>For 4-1/2" On Center Standards, Add</i>	1.74	
			<i>For 5" On Center Standards, Add</i>	1.16	
			<i>For 5-1/2" On Center Standards, Add</i>	0.58	
			<i>For Each Field Bending Of Rails, Add</i>	15.66	
05 73 00 00-0004	LF		Bronze Ornamental Handrail Vertical Square Bars At 6", Shaped Top Rail, Up To 42" High	193.39	21.59
			<i>For Rake Or Angle Railings, Add</i>	21.43	
			<i>For Curved Railings, Add</i>	66.57	
			<i>For 4" On Center Standards, Add</i>	8.80	
			<i>For 4-1/2" On Center Standards, Add</i>	7.04	
			<i>For 5" On Center Standards, Add</i>	4.70	
			<i>For 5-1/2" On Center Standards, Add</i>	2.35	
			<i>For Each Field Bending Of Rails, Add</i>	21.50	
05 73 00 00-0005	LF		Stainless Steel Ornamental Handrail Vertical Square Bars At 6", Shaped Top Rail, Up To 42" High	207.98	17.27
			<i>For Rake Or Angle Railings, Add</i>	21.72	
			<i>For Curved Railings, Add</i>	75.31	
			<i>For 4" On Center Standards, Add</i>	10.34	
			<i>For 4-1/2" On Center Standards, Add</i>	8.27	
			<i>For 5" On Center Standards, Add</i>	5.51	
			<i>For 5-1/2" On Center Standards, Add</i>	2.76	
			<i>For Each Field Bending Of Rails, Add</i>	20.04	

05 Metals**05 70 Decorative Metal****05 73 Decorative Metal Railings**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 73 00 00-0006 LF Black Wrought Iron Ornamental Handrail Vertical Square Bars At 6", Shaped Top Rail, Up To 42" High	145.03	26.34
For Rake Or Angle Railings, Add	15.58	
For Curved Railings, Add	51.31	
For 4" On Center Standards, Add	6.93	
For 4-1/2" On Center Standards, Add	5.54	
For 5" On Center Standards, Add	3.69	
For 5-1/2" On Center Standards, Add	1.85	
For Each Field Bending Of Rails, Add	15.67	
05 73 00 00-0007 Laminated Metal Or Wood Handrails With Metal Supports (05 73)		
05 73 00 00-0008 LF 2-1/2" Laminated Metal Or Wood Handrail Round/Oval Shape With Metal Supports	92.17	4.32
For Rake Or Angle Railings, Add	7.83	
For Curved Railings, Add	38.41	
For 4" On Center Standards, Add	5.76	
For 4-1/2" On Center Standards, Add	4.61	
For 5" On Center Standards, Add	3.07	
For 5-1/2" On Center Standards, Add	1.54	
For Each Field Bending Of Rails, Add	6.34	
05 73 00 00-0009 Plain Handrails (05 73)		
05 73 00 00-0010 LF 2" Brass Handrail	34.94	9.56
05 73 00 00-0011 EA 90 Degree Angle For 2" Brass Handrail	85.46	34.26
05 73 00 00-0012 EA End Cap For 2" Brass Handrail	40.54	17.18
05 73 00 00-0013 EA Brass Bracket And Joint For 2" Brass Handrail	65.60	34.26
05 73 00 00-0014 LF 2" Stainless Steel Handrail	62.99	17.38
05 73 00 00-0015 Restoration Of Existing Metal Handrail And Railing (05 73)		
Note: Task includes rust removal by grinding, cleaning, surface prep and one coat of protective primer. See CSI section 09 91 13 00-0366 for painting.		
05 73 00 00-0016 LF Refinish Metal Handrail	8.64	
05 73 00 00-0017 LF Refinish Wrought Iron Balustrade	8.60	
05 73 00 00-0018 Remove And Reinstall Ornamental Railing (05 73)		
05 73 00 00-0019 LF Removal And Reinstallation Of Ornamental Handrail And Pickets	79.45	
05 75 Decorative Formed Metal (05 70)		
05 75 00 00-0001 Metal Sheets, Installed On Walls (05 75)		
Note: Includes field fabrication (bending) where noted. See CSI section 05 54 00 00-0000 for metal floor plates.		
05 75 00 00-0002 Copper Sheets, Installed On Walls (05 75 00 00-0001)		
Note: Includes field fabrication.		
05 75 00 00-0003 SF 0.0162" (12 Ounce) Thick Copper Sheet, Installed On Walls	16.29	1.89
For >16 To 200, Deduct	-1.00	
For >200 To 500, Deduct	-2.01	
For >500, Deduct	-2.82	
05 75 00 00-0004 SF 0.0215" (16 Ounce) Thick Copper Sheet, Installed On Walls	19.71	2.11
For >16 To 200, Deduct	-1.20	
For >200 To 500, Deduct	-2.39	
For >500, Deduct	-3.38	
05 75 00 00-0005 SF 0.0242" (18 Ounce) Thick Copper Sheet, Installed On Walls	21.50	2.28
For >16 To 200, Deduct	-1.30	
For >200 To 500, Deduct	-2.61	
For >500, Deduct	-3.68	
05 75 00 00-0006 SF 0.027" (20 Ounce) Thick Copper Sheet, Installed On Walls	23.06	2.39
For >16 To 200, Deduct	-1.39	
For >200 To 500, Deduct	-2.78	
For >500, Deduct	-3.94	
05 75 00 00-0007 SF 0.0323" (24 Ounce) Thick Copper Sheet, Installed On Walls	25.76	2.50
For >16 To 200, Deduct	-1.54	
For >200 To 500, Deduct	-3.08	
For >500, Deduct	-4.37	
05 75 00 00-0008 SF 0.0431" (32 Ounce) Thick Copper Sheet, Installed On Walls	31.31	2.61
For >16 To 200, Deduct	-1.83	
For >200 To 500, Deduct	-3.66	
For >500, Deduct	-5.22	
05 75 00 00-0009 SF 0.052" (40 Ounce) Thick Copper Sheet, Installed On Walls	35.87	2.74
For >16 To 200, Deduct	-2.07	
For >200 To 500, Deduct	-4.13	
For >500, Deduct	-5.93	
05 75 00 00-0010 SF 0.0646" (48 Ounce) Thick Copper Sheet, Installed On Walls	42.61	2.96
For >16 To 200, Deduct	-2.43	
For >200 To 500, Deduct	-4.85	
For >500, Deduct	-6.98	
05 75 00 00-0011 SF 0.08" Thick Copper Sheet, Installed On Walls	51.26	3.19
For >16 To 200, Deduct	-2.88	
For >200 To 500, Deduct	-5.76	
For >500, Deduct	-8.33	



Metals	05	05
Decorative Metal	05 70	
Decorative Formed Metal	05 75	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 75 00 00-0012	SF		0.125" Thick Copper Sheet, Installed On Walls	72.22	3.41
			<i>For >16 To 200, Deduct</i>	-3.95	
			<i>For >200 To 500, Deduct</i>	-7.91	
			<i>For >500, Deduct</i>	-11.52	
05 75 00 00-0013			Stainless Steel Sheets, Installed On Walls <small>(05 75 00 00-0001)</small>		
			Note: Includes field fabrication.		
05 75 00 00-0014	SF		0.026" Thick (24 Gauge) 304 Brushed Stainless Steel Sheet, Installed On Walls	16.39	2.91
			<i>For 316 Stainless Steel, Add</i>	1.43	
			<i>For >16 To 200, Deduct</i>	-1.11	
			<i>For >200 To 500, Deduct</i>	-2.22	
			<i>For >500, Deduct</i>	-3.04	
05 75 00 00-0015	SF		0.0312" Thick (22 Gauge) 304 Brushed Stainless Steel Sheet, Installed On Walls	18.13	3.13
			<i>For 316 Stainless Steel, Add</i>	1.68	
			<i>For >16 To 200, Deduct</i>	-1.22	
			<i>For >200 To 500, Deduct</i>	-2.44	
			<i>For >500, Deduct</i>	-3.35	
05 75 00 00-0016	SF		0.0375" Thick (20 Gauge) 304 Brushed Stainless Steel Sheet, Installed On Walls	19.70	3.35
			<i>For 316 Stainless Steel, Add</i>	1.88	
			<i>For >16 To 200, Deduct</i>	-1.32	
			<i>For >200 To 500, Deduct</i>	-2.64	
			<i>For >500, Deduct</i>	-3.63	
05 75 00 00-0017	SF		0.050" Thick (18 Gauge) 304 Brushed Stainless Steel Sheet, Installed On Walls	23.19	3.80
			<i>For 316 Stainless Steel, Add</i>	2.39	
			<i>For >16 To 200, Deduct</i>	-1.54	
			<i>For >200 To 500, Deduct</i>	-3.08	
			<i>For >500, Deduct</i>	-4.24	
05 75 00 00-0018	SF		0.0625" Thick (16 gauge) 304 Brushed Stainless Steel Sheet, Installed On Walls	26.63	4.25
			<i>For 316 Stainless Steel, Add</i>	2.89	
			<i>For >16 To 200, Deduct</i>	-1.76	
			<i>For >200 To 500, Deduct</i>	-3.51	
			<i>For >500, Deduct</i>	-4.85	
05 75 00 00-0019	SF		0.078" Thick (14 Gauge) 304 Brushed Stainless Steel Sheet, Installed On Walls	31.43	4.92
			<i>For 316 Stainless Steel, Add</i>	3.53	
			<i>For >16 To 200, Deduct</i>	-2.06	
			<i>For >200 To 500, Deduct</i>	-4.13	
			<i>For >500, Deduct</i>	-5.70	
05 75 00 00-0020	SF		0.125" Thick (11 Gauge) 304 Brushed Stainless Steel Sheet, Installed On Walls	39.93	5.37
			<i>For 316 Stainless Steel, Add</i>	5.54	
			<i>For >16 To 200, Deduct</i>	-2.53	
			<i>For >200 To 500, Deduct</i>	-5.07	
			<i>For >500, Deduct</i>	-7.06	
05 75 00 00-0021	SF		3/16" Thick (7 Gauge) 304 Brushed Stainless Steel Sheet, Installed On Walls	50.16	5.82
			<i>For 316 Stainless Steel, Add</i>	8.07	
			<i>For >16 To 200, Deduct</i>	-3.09	
			<i>For >200 To 500, Deduct</i>	-6.18	
			<i>For >500, Deduct</i>	-8.69	
05 75 00 00-0022	SF		1/4" Thick (3 Gauge) 304 Brushed Stainless Steel Sheet, Installed On Walls	63.00	6.27
			<i>For 316 Stainless Steel, Add</i>	11.38	
			<i>For >16 To 200, Deduct</i>	-3.78	
			<i>For >200 To 500, Deduct</i>	-7.55	
			<i>For >500, Deduct</i>	-10.70	
05 75 00 00-0023	SF		3/8" Thick 304 Brushed Stainless Steel Sheet, Installed On Walls	95.41	6.71
			<i>For 316 Stainless Steel, Add</i>	20.57	
			<i>For >16 To 200, Deduct</i>	-5.44	
			<i>For >200 To 500, Deduct</i>	-10.88	
			<i>For >500, Deduct</i>	-15.65	
05 75 00 00-0024	SF		1/2" Thick 304 Brushed Stainless Steel Sheet, Installed On Walls	120.08	7.83
			<i>For 316 Stainless Steel, Add</i>	26.63	
			<i>For >16 To 200, Deduct</i>	-6.79	
			<i>For >200 To 500, Deduct</i>	-13.57	
			<i>For >500, Deduct</i>	-19.58	
05 75 00 00-0025			Aluminum Sheets, Installed On Walls <small>(05 75 00 00-0001)</small>		
			Note: Includes field fabrication.		
05 75 00 00-0026	SF		0.016" Thick (26 Gauge) Aluminum Sheet, Installed On Walls	9.70	1.89
			<i>For >16 To 200, Deduct</i>	-0.67	
			<i>For >200 To 500, Deduct</i>	-1.35	
			<i>For >500, Deduct</i>	-1.83	
05 75 00 00-0027	SF		0.020" Thick (24 Gauge) Aluminum Sheet, Installed On Walls	10.91	2.11
			<i>For >16 To 200, Deduct</i>	-0.76	
			<i>For >200 To 500, Deduct</i>	-1.51	
			<i>For >500, Deduct</i>	-2.06	
05 75 00 00-0028	SF		0.025" Thick (22 Gauge) Aluminum Sheet, Installed On Walls	12.02	2.28
			<i>For >16 To 200, Deduct</i>	-0.83	
			<i>For >200 To 500, Deduct</i>	-1.66	
			<i>For >500, Deduct</i>	-2.26	
05 75 00 00-0029	SF		0.032" Thick (20 Gauge) Aluminum Sheet, Installed On Walls	13.06	2.39
			<i>For >16 To 200, Deduct</i>	-0.89	
			<i>For >200 To 500, Deduct</i>	-1.78	
			<i>For >500, Deduct</i>	-2.44	

05 Metals**05 70 Decorative Metal****05 75 Decorative Formed Metal**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 75 00 00-0030 SF 0.040" Thick (18 Gauge) Aluminum Sheet, Installed On Walls.....	14.08	2.50
For >16 To 200, Deduct	-0.95	
For >200 To 500, Deduct	-1.91	
For >500, Deduct	-2.61	
05 75 00 00-0031 SF 0.050" Thick (16 Gauge) Aluminum Sheet, Installed On Walls.....	15.18	2.61
For >16 To 200, Deduct	-1.02	
For >200 To 500, Deduct	-2.04	
For >500, Deduct	-2.80	
05 75 00 00-0032 SF 0.064" Thick (14 Gauge) Aluminum Sheet, Installed On Walls.....	16.48	2.74
For >16 To 200, Deduct	-1.10	
For >200 To 500, Deduct	-2.19	
For >500, Deduct	-3.02	
05 75 00 00-0033 SF 0.090" Thick (11 Gauge) Aluminum Sheet, Installed On Walls.....	19.48	3.19
For >16 To 200, Deduct	-1.29	
For >200 To 500, Deduct	-2.59	
For >500, Deduct	-3.56	
05 75 00 00-0034 Galvanized Steel Sheets, Installed On Walls (05 75 00 00-0001)		
Note: Includes field fabrication.		
05 75 00 00-0035 SF 0.0217" (26 Gauge) Thick Galvanized Steel Sheet, Installed On Walls.....	10.82	2.17
For >16 To 200, Deduct	-0.76	
For >200 To 500, Deduct	-1.51	
For >500, Deduct	-2.06	
05 75 00 00-0036 SF 0.0276" (24 Gauge) Thick Galvanized Steel Sheet, Installed On Walls.....	11.50	2.28
For >16 To 200, Deduct	-0.80	
For >200 To 500, Deduct	-1.61	
For >500, Deduct	-2.18	
05 75 00 00-0037 SF 0.0336" (22 Gauge) Thick Galvanized Steel Sheet, Installed On Walls.....	12.01	2.39
For >16 To 200, Deduct	-0.84	
For >200 To 500, Deduct	-1.68	
For >500, Deduct	-2.28	
05 75 00 00-0038 SF 0.0396" (20 Gauge) Thick Galvanized Steel Sheet, Installed On Walls.....	12.69	2.50
For >16 To 200, Deduct	-0.89	
For >200 To 500, Deduct	-1.77	
For >500, Deduct	-2.40	
05 75 00 00-0039 SF 0.0516" (18 Gauge) Thick Galvanized Steel Sheet, Installed On Walls.....	13.54	2.61
For >16 To 200, Deduct	-0.94	
For >200 To 500, Deduct	-1.88	
For >500, Deduct	-2.56	
05 75 00 00-0040 SF 0.0635" (16 Gauge) Thick Galvanized Steel Sheet, Installed On Walls.....	14.43	2.74
For >16 To 200, Deduct	-0.99	
For >200 To 500, Deduct	-1.99	
For >500, Deduct	-2.71	
05 75 00 00-0041 SF 0.0785" (14 Gauge) Thick Galvanized Steel Sheet, Installed On Walls.....	16.25	2.96
For >16 To 200, Deduct	-1.11	
For >200 To 500, Deduct	-2.22	
For >500, Deduct	-3.03	
05 75 00 00-0042 SF 0.1084" (12 Gauge) Thick Galvanized Steel Sheet, Installed On Walls.....	18.27	3.19
For >16 To 200, Deduct	-1.23	
For >200 To 500, Deduct	-2.47	
For >500, Deduct	-3.38	
05 75 00 00-0043 SF 0.1382" (10 Gauge) Thick Galvanized Steel Sheet, Installed On Walls.....	20.01	3.41
For >16 To 200, Deduct	-1.34	
For >200 To 500, Deduct	-2.68	
For >500, Deduct	-3.68	
05 75 00 00-0044 Galvanized Zinc-Plated Steel Sheets, Installed On Walls (05 75 00 00-0001)		
Note: Includes field fabrication.		
05 75 00 00-0045 SF 0.013" Thick Galvanized Zinc Plated Steel Sheet, Installed On Walls.....	8.61	1.67
For >16 To 200, Deduct	-0.60	
For >200 To 500, Deduct	-1.20	
For >500, Deduct	-1.63	
05 75 00 00-0046 SF 0.016" Thick Galvanized Zinc Plated Steel Sheet, Installed On Walls.....	9.89	1.89
For >16 To 200, Deduct	-0.68	
For >200 To 500, Deduct	-1.37	
For >500, Deduct	-1.86	
05 75 00 00-0047 SF 0.019" Thick Galvanized Zinc Plated Steel Sheet, Installed On Walls.....	11.14	2.11
For >16 To 200, Deduct	-0.77	
For >200 To 500, Deduct	-1.54	
For >500, Deduct	-2.09	
05 75 00 00-0048 SF 0.024" Thick Galvanized Zinc Plated Steel Sheet, Installed On Walls.....	12.22	2.28
For >16 To 200, Deduct	-0.84	
For >200 To 500, Deduct	-1.68	
For >500, Deduct	-2.29	

END OF SECTION 05



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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06 Wood, Plastics, and Composites

06 01 Maintenance of Wood, Plastics, and Composites ⁽⁰⁶⁾

06 01 20 Maintenance of Finish Carpentry ^(06 01)

06 01 20 91 Finish Carpentry Restoration ^(06 01 20)

06 01 20 91-0001 Wood Trim Repair ^(06 01 20 91)

06 01 20 91-0002 SF Restoration Of Existing Decorative Woodwork.....	6.66	
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Note: Includes stripping to bare wood, filling or patching, stain or paint to match existing.

06 05 Common Work Results For Wood, Plastics, And Composites

06 05 23 Wood, Plastic, And Composite Fastenings ^(06 05)

Note: For additional fasteners above normal conditions, for replacing existing fasteners, for relocating existing materials or fixtures, or for different fasteners required due to load limits on standard fasteners.

06 05 23 00-0001 Threaded Anchor Bolts ^(06 05 23)

Note: Threaded on two ends with two nuts and flat washers.

06 05 23 00-0002 EA 1/2" Diameter x 4" Long, Threaded Anchor Bolt.....	9.77	
<i>For >10 To 50, Deduct</i>	-0.32	
<i>For >50 To 100, Deduct</i>	-0.73	
<i>For >100 To 250, Deduct</i>	-1.46	
<i>For >250 To 500, Deduct</i>	-2.51	
<i>For >500, Deduct</i>	-3.56	
<i>For >10 To 50, Deduct</i>	-0.35	
<i>For >50 To 100, Deduct</i>	-0.84	
<i>For >100 To 250, Deduct</i>	-1.68	
<i>For >250 To 500, Deduct</i>	-2.87	
<i>For >500, Deduct</i>	-4.06	
<i>For >10 To 50, Deduct</i>	-0.35	
<i>For >50 To 100, Deduct</i>	-0.87	
<i>For >100 To 250, Deduct</i>	-1.74	
<i>For >250 To 500, Deduct</i>	-2.95	
<i>For >500, Deduct</i>	-4.17	
<i>For >10 To 50, Deduct</i>	-0.48	
<i>For >50 To 100, Deduct</i>	-1.38	
<i>For >100 To 250, Deduct</i>	-2.76	
<i>For >250 To 500, Deduct</i>	-4.62	
<i>For >500, Deduct</i>	-6.48	

06 05 23 00-0006 Framing Anchors ^(06 05 23)

06 05 23 00-0007 EA 10 Gauge Framing Anchor.....	5.76	2.72
<i>For >10 To 50, Deduct</i>	-0.26	
<i>For >50 To 100, Deduct</i>	-0.53	
<i>For >100 To 250, Deduct</i>	-1.06	
<i>For >250 To 500, Deduct</i>	-1.85	
<i>For >500, Deduct</i>	-2.64	

06 05 23 00-0008 Holddown Anchors ^(06 05 23)

06 05 23 00-0009 EA 8-5/8" High x 2-1/2" Wide x 2-1/4" Deep, 12 Gauge, Hold Downs, (Simpson Strong Tie® HD3B).....	36.73	
<i>For >10 To 50, Deduct</i>	-1.40	
<i>For >50 To 100, Deduct</i>	-3.02	
<i>For >100 To 250, Deduct</i>	-6.04	
<i>For >250 To 500, Deduct</i>	-10.46	
<i>For >500, Deduct</i>	-14.89	
<i>For >10 To 50, Deduct</i>	-1.40	
<i>For >50 To 100, Deduct</i>	-3.34	
<i>For >100 To 250, Deduct</i>	-6.69	
<i>For >250 To 500, Deduct</i>	-11.43	
<i>For >500, Deduct</i>	-16.18	
<i>For >10 To 50, Deduct</i>	-1.54	
<i>For >50 To 100, Deduct</i>	-3.71	
<i>For >100 To 250, Deduct</i>	-7.42	
<i>For >250 To 500, Deduct</i>	-12.66	
<i>For >500, Deduct</i>	-17.91	
<i>For >10 To 50, Deduct</i>	-1.72	
<i>For >50 To 100, Deduct</i>	-4.28	
<i>For >100 To 250, Deduct</i>	-8.56	
<i>For >250 To 500, Deduct</i>	-14.56	
<i>For >500, Deduct</i>	-20.55	

06 Wood, Plastics, and Composites**06 05 Common Work Results For Wood, Plastics, And Composites****06 05 23 Wood, Plastic, And Composite Fastenings**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 05 23 00-0013 EA 20-5/16" High x 3-1/2" Wide x 4-1/2" Deep, 3 Gauge, Hold Downs, (Simpson Strong Tie® HD12).....	131.24	
For >10 To 50, Deduct	-2.17	
For >50 To 100, Deduct	-6.54	
For >100 To 250, Deduct	-13.07	
For >250 To 500, Deduct	-21.78	
For >500, Deduct	-30.48	
06 05 23 00-0014 EA 24-1/2" High x 3-1/2" Wide x 4-1/2" Deep, 3 Gauge, Hold Downs, (Simpson Strong Tie® HD19).....	150.30	
For >10 To 50, Deduct	-2.26	
For >50 To 100, Deduct	-7.15	
For >100 To 250, Deduct	-14.30	
For >250 To 500, Deduct	-23.70	
For >500, Deduct	-33.11	
06 05 23 00-0015 Joist And Beam Hangers <small>(06 05 23)</small>		
06 05 23 00-0016 EA 18 Gauge Joist Hanger, For 2" x 4" Joist, Also Acceptable For Beam Hangers	5.78	2.53
For >10 To 50, Deduct	-0.26	
For >50 To 100, Deduct	-0.53	
For >100 To 250, Deduct	-1.06	
For >250 To 500, Deduct	-1.86	
For >500, Deduct	-2.65	
06 05 23 00-0017 EA 18 Gauge Joist Hanger, For 2" x 6"-2" x 10" Joist, Also Acceptable For Beam Hangers.....	6.60	2.53
For >10 To 50, Deduct	-0.27	
For >50 To 100, Deduct	-0.58	
For >100 To 250, Deduct	-1.15	
For >250 To 500, Deduct	-2.00	
For >500, Deduct	-2.85	
06 05 23 00-0018 EA 16 Gauge Joist Hanger, For 3" x 6"-3" x 9" Joist, Also Acceptable For Beam Hangers.....	8.37	2.53
For >10 To 50, Deduct	-0.28	
For >50 To 100, Deduct	-0.63	
For >100 To 250, Deduct	-1.27	
For >250 To 500, Deduct	-2.18	
For >500, Deduct	-3.10	
06 05 23 00-0019 EA 16 Gauge Joist Hanger, For 3" x 10"-3" x 14" Joist, Also Acceptable For Beam Hangers.....	8.54	2.53
For >10 To 50, Deduct	-0.28	
For >50 To 100, Deduct	-0.64	
For >100 To 250, Deduct	-1.27	
For >250 To 500, Deduct	-2.19	
For >500, Deduct	-3.11	
06 05 23 00-0020 EA 16 Gauge Joist Hanger, For 4" x 6"-4" x 8" Joist, Also Acceptable For Beam Hangers.....	8.61	2.62
For >10 To 50, Deduct	-0.29	
For >50 To 100, Deduct	-0.65	
For >100 To 250, Deduct	-1.31	
For >250 To 500, Deduct	-2.25	
For >500, Deduct	-3.19	
06 05 23 00-0021 EA 16 Gauge Joist Hanger, For 4" x 10"-4" x 14" Joist, Also Acceptable For Beam Hangers.....	9.08	2.62
For >10 To 50, Deduct	-0.29	
For >50 To 100, Deduct	-0.66	
For >100 To 250, Deduct	-1.33	
For >250 To 500, Deduct	-2.28	
For >500, Deduct	-3.24	
06 05 23 00-0022 Post Framing <small>(06 05 23)</small>		
06 05 23 00-0023 EA 16 Gauge Post Framing With 4" x 4" Base	11.39	3.17
For >10 To 50, Deduct	-0.35	
For >50 To 100, Deduct	-0.81	
For >100 To 250, Deduct	-1.61	
For >250 To 500, Deduct	-2.77	
For >500, Deduct	-3.92	
06 05 23 00-0024 EA 16 Gauge Post Framing With 4" x 4" Cap.....	9.64	3.17
For >10 To 50, Deduct	-0.35	
For >50 To 100, Deduct	-0.76	
For >100 To 250, Deduct	-1.53	
For >250 To 500, Deduct	-2.64	
For >500, Deduct	-3.75	
06 05 23 00-0025 Rafter Anchors <small>(06 05 23)</small>		
06 05 23 00-0026 EA 1-1/2" Wide x 5-1/4" Long, 18 Gauge Rafter Anchor	6.55	2.81
For >10 To 50, Deduct	-0.31	
For >50 To 100, Deduct	-0.63	
For >100 To 250, Deduct	-1.26	
For >250 To 500, Deduct	-2.20	
For >500, Deduct	-3.15	
06 05 23 00-0027 EA 1-1/2" Wide x 10-3/4" Long, 18 Gauge Rafter Anchor	6.74	2.81
For >10 To 50, Deduct	-0.31	
For >50 To 100, Deduct	-0.64	
For >100 To 250, Deduct	-1.27	
For >250 To 500, Deduct	-2.22	
For >500, Deduct	-3.17	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 05 23 00-0028 EA Galvanized Rigid Rafter Connector, For 2" x 6".....	7.94	2.81
<i>For >10 To 50, Deduct</i>	-0.31	
<i>For >50 To 100, Deduct</i>	-0.67	
<i>For >100 To 250, Deduct</i>	-1.33	
<i>For >250 To 500, Deduct</i>	-2.31	
<i>For >500, Deduct</i>	-3.29	
06 05 23 00-0029 Bolts And Fasteners <small>(06 05 23)</small>		
06 05 23 00-0030 Carriage Bolts <small>(06 05 23 00-0029)</small>		
Note: Includes drilling of holes in any material. Includes nut and washer.		
06 05 23 00-0031 Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolts <small>(06 05 23 00-0030)</small>		
06 05 23 00-0032 EA 1/4" Diameter x 2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt.....	11.97	
<i>For >10 To 50, Deduct</i>	-0.59	
<i>For >50 To 100, Deduct</i>	-1.18	
<i>For >100 To 250, Deduct</i>	-2.36	
<i>For >250 To 500, Deduct</i>	-4.13	
<i>For >500, Deduct</i>	-5.90	
06 05 23 00-0033 EA 1/4" Diameter x 4" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt.....	12.06	
<i>For >10 To 50, Deduct</i>	-0.59	
<i>For >50 To 100, Deduct</i>	-1.18	
<i>For >100 To 250, Deduct</i>	-2.37	
<i>For >250 To 500, Deduct</i>	-4.14	
<i>For >500, Deduct</i>	-5.91	
06 05 23 00-0034 EA 1/4" Diameter x 6" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt.....	12.12	
<i>For >10 To 50, Deduct</i>	-0.59	
<i>For >50 To 100, Deduct</i>	-1.18	
<i>For >100 To 250, Deduct</i>	-2.37	
<i>For >250 To 500, Deduct</i>	-4.14	
<i>For >500, Deduct</i>	-5.91	
06 05 23 00-0035 EA 1/4" Diameter x 8" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt.....	14.11	
<i>For >10 To 50, Deduct</i>	-0.68	
<i>For >50 To 100, Deduct</i>	-1.37	
<i>For >100 To 250, Deduct</i>	-2.74	
<i>For >250 To 500, Deduct</i>	-4.79	
<i>For >500, Deduct</i>	-6.84	
06 05 23 00-0036 EA 3/8" Diameter x 2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt.....	13.13	
<i>For >10 To 50, Deduct</i>	-0.63	
<i>For >50 To 100, Deduct</i>	-1.28	
<i>For >100 To 250, Deduct</i>	-2.56	
<i>For >250 To 500, Deduct</i>	-4.47	
<i>For >500, Deduct</i>	-6.38	
06 05 23 00-0037 EA 3/8" Diameter x 4" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt.....	14.19	
<i>For >10 To 50, Deduct</i>	-0.68	
<i>For >50 To 100, Deduct</i>	-1.37	
<i>For >100 To 250, Deduct</i>	-2.74	
<i>For >250 To 500, Deduct</i>	-4.79	
<i>For >500, Deduct</i>	-6.84	
06 05 23 00-0038 EA 3/8" Diameter x 6" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt.....	14.34	
<i>For >10 To 50, Deduct</i>	-0.68	
<i>For >50 To 100, Deduct</i>	-1.38	
<i>For >100 To 250, Deduct</i>	-2.75	
<i>For >250 To 500, Deduct</i>	-4.80	
<i>For >500, Deduct</i>	-6.86	
06 05 23 00-0039 EA 3/8" Diameter x 8" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt.....	17.16	
<i>For >10 To 50, Deduct</i>	-0.81	
<i>For >50 To 100, Deduct</i>	-1.65	
<i>For >100 To 250, Deduct</i>	-3.30	
<i>For >250 To 500, Deduct</i>	-5.76	
<i>For >500, Deduct</i>	-8.22	
06 05 23 00-0040 EA 3/8" Diameter x 10" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt.....	18.53	
<i>For >10 To 50, Deduct</i>	-0.86	
<i>For >50 To 100, Deduct</i>	-1.75	
<i>For >100 To 250, Deduct</i>	-3.50	
<i>For >250 To 500, Deduct</i>	-6.11	
<i>For >500, Deduct</i>	-8.73	
06 05 23 00-0041 EA 3/8" Diameter x 12" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt.....	20.79	
<i>For >10 To 50, Deduct</i>	-0.95	
<i>For >50 To 100, Deduct</i>	-1.94	
<i>For >100 To 250, Deduct</i>	-3.89	
<i>For >250 To 500, Deduct</i>	-6.78	
<i>For >500, Deduct</i>	-9.67	
06 05 23 00-0042 EA 1/2" Diameter x 2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt.....	14.52	
<i>For >10 To 50, Deduct</i>	-0.68	
<i>For >50 To 100, Deduct</i>	-1.38	
<i>For >100 To 250, Deduct</i>	-2.76	
<i>For >250 To 500, Deduct</i>	-4.82	
<i>For >500, Deduct</i>	-6.88	
06 05 23 00-0043 EA 1/2" Diameter x 4" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt.....	15.81	
<i>For >10 To 50, Deduct</i>	-0.72	
<i>For >50 To 100, Deduct</i>	-1.48	
<i>For >100 To 250, Deduct</i>	-2.96	
<i>For >250 To 500, Deduct</i>	-5.16	
<i>For >500, Deduct</i>	-7.37	

06 Wood, Plastics, and Composites**06 05 Common Work Results For Wood, Plastics, And Composites****06 05 23 Wood, Plastic, And Composite Fastenings**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 05 23 00-0044 EA 1/2" Diameter x 6" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt	16.84	
For >10 To 50, Deduct	-0.77	
For >50 To 100, Deduct	-1.57	
For >100 To 250, Deduct	-3.15	
For >250 To 500, Deduct	-5.49	
For >500, Deduct	-7.83	
06 05 23 00-0045 EA 1/2" Diameter x 8" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt	18.88	
For >10 To 50, Deduct	-0.86	
For >50 To 100, Deduct	-1.76	
For >100 To 250, Deduct	-3.52	
For >250 To 500, Deduct	-6.14	
For >500, Deduct	-8.76	
06 05 23 00-0046 EA 1/2" Diameter x 10" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt	22.12	
For >10 To 50, Deduct	-0.99	
For >50 To 100, Deduct	-2.04	
For >100 To 250, Deduct	-4.09	
For >250 To 500, Deduct	-7.13	
For >500, Deduct	-10.17	
06 05 23 00-0047 EA 1/2" Diameter x 12" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt	24.65	
For >10 To 50, Deduct	-1.09	
For >50 To 100, Deduct	-2.24	
For >100 To 250, Deduct	-4.49	
For >250 To 500, Deduct	-7.82	
For >500, Deduct	-11.15	
06 05 23 00-0048 EA 3/4" Diameter x 2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt	19.31	
For >10 To 50, Deduct	-0.81	
For >50 To 100, Deduct	-1.70	
For >100 To 250, Deduct	-3.41	
For >250 To 500, Deduct	-5.92	
For >500, Deduct	-8.44	
06 05 23 00-0049 EA 3/4" Diameter x 4" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt	20.84	
For >10 To 50, Deduct	-0.86	
For >50 To 100, Deduct	-1.81	
For >100 To 250, Deduct	-3.62	
For >250 To 500, Deduct	-6.29	
For >500, Deduct	-8.96	
06 05 23 00-0050 EA 3/4" Diameter x 6" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt	24.81	
For >10 To 50, Deduct	-0.99	
For >50 To 100, Deduct	-2.11	
For >100 To 250, Deduct	-4.22	
For >250 To 500, Deduct	-7.33	
For >500, Deduct	-10.44	
06 05 23 00-0051 EA 3/4" Diameter x 8" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt	27.53	
For >10 To 50, Deduct	-1.04	
For >50 To 100, Deduct	-2.25	
For >100 To 250, Deduct	-4.50	
For >250 To 500, Deduct	-7.78	
For >500, Deduct	-11.07	
06 05 23 00-0052 EA 3/4" Diameter x 10" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt	29.88	
For >10 To 50, Deduct	-1.13	
For >50 To 100, Deduct	-2.44	
For >100 To 250, Deduct	-4.88	
For >250 To 500, Deduct	-8.45	
For >500, Deduct	-12.02	
06 05 23 00-0053 EA 3/4" Diameter x 12" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt	30.58	
For >10 To 50, Deduct	-1.18	
For >50 To 100, Deduct	-2.53	
For >100 To 250, Deduct	-5.05	
For >250 To 500, Deduct	-8.76	
For >500, Deduct	-12.46	
06 05 23 00-0054 Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolts (06 05 23 00-0030)		
06 05 23 00-0055 EA 1/4" Diameter x 2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt	12.14	
For >10 To 50, Deduct	-0.59	
For >50 To 100, Deduct	-1.18	
For >100 To 250, Deduct	-2.37	
For >250 To 500, Deduct	-4.14	
For >500, Deduct	-5.91	
06 05 23 00-0056 EA 1/4" Diameter x 4" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt	12.32	
For >10 To 50, Deduct	-0.59	
For >50 To 100, Deduct	-1.19	
For >100 To 250, Deduct	-2.38	
For >250 To 500, Deduct	-4.16	
For >500, Deduct	-5.93	
06 05 23 00-0057 EA 1/4" Diameter x 6" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt	12.52	
For >10 To 50, Deduct	-0.59	
For >50 To 100, Deduct	-1.19	
For >100 To 250, Deduct	-2.39	
For >250 To 500, Deduct	-4.17	
For >500, Deduct	-5.95	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 05 23 00-0058 EA 1/4" Diameter x 8" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt	14.77	
<i>For >10 To 50, Deduct</i>	-0.68	
<i>For >50 To 100, Deduct</i>	-1.39	
<i>For >100 To 250, Deduct</i>	-2.77	
<i>For >250 To 500, Deduct</i>	-4.84	
<i>For >500, Deduct</i>	-6.90	
06 05 23 00-0059 EA 3/8" Diameter x 2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt	13.37	
<i>For >10 To 50, Deduct</i>	-0.63	
<i>For >50 To 100, Deduct</i>	-1.28	
<i>For >100 To 250, Deduct</i>	-2.57	
<i>For >250 To 500, Deduct</i>	-4.48	
<i>For >500, Deduct</i>	-6.40	
06 05 23 00-0060 EA 3/8" Diameter x 4" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt	14.56	
<i>For >10 To 50, Deduct</i>	-0.68	
<i>For >50 To 100, Deduct</i>	-1.38	
<i>For >100 To 250, Deduct</i>	-2.76	
<i>For >250 To 500, Deduct</i>	-4.82	
<i>For >500, Deduct</i>	-6.88	
06 05 23 00-0061 EA 3/8" Diameter x 6" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt	14.78	
<i>For >10 To 50, Deduct</i>	-0.68	
<i>For >50 To 100, Deduct</i>	-1.39	
<i>For >100 To 250, Deduct</i>	-2.77	
<i>For >250 To 500, Deduct</i>	-4.84	
<i>For >500, Deduct</i>	-6.90	
06 05 23 00-0062 EA 3/8" Diameter x 8" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt	17.83	
<i>For >10 To 50, Deduct</i>	-0.81	
<i>For >50 To 100, Deduct</i>	-1.67	
<i>For >100 To 250, Deduct</i>	-3.33	
<i>For >250 To 500, Deduct</i>	-5.81	
<i>For >500, Deduct</i>	-8.29	
06 05 23 00-0063 EA 3/8" Diameter x 10" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt	19.28	
<i>For >10 To 50, Deduct</i>	-0.86	
<i>For >50 To 100, Deduct</i>	-1.77	
<i>For >100 To 250, Deduct</i>	-3.54	
<i>For >250 To 500, Deduct</i>	-6.17	
<i>For >500, Deduct</i>	-8.80	
06 05 23 00-0064 EA 3/8" Diameter x 12" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt	21.49	
<i>For >10 To 50, Deduct</i>	-0.95	
<i>For >50 To 100, Deduct</i>	-1.96	
<i>For >100 To 250, Deduct</i>	-3.92	
<i>For >250 To 500, Deduct</i>	-6.83	
<i>For >500, Deduct</i>	-9.74	
06 05 23 00-0065 EA 1/2" Diameter x 2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt	15.07	
<i>For >10 To 50, Deduct</i>	-0.68	
<i>For >50 To 100, Deduct</i>	-1.39	
<i>For >100 To 250, Deduct</i>	-2.79	
<i>For >250 To 500, Deduct</i>	-4.86	
<i>For >500, Deduct</i>	-6.93	
06 05 23 00-0066 EA 1/2" Diameter x 4" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt	16.25	
<i>For >10 To 50, Deduct</i>	-0.72	
<i>For >50 To 100, Deduct</i>	-1.49	
<i>For >100 To 250, Deduct</i>	-2.98	
<i>For >250 To 500, Deduct</i>	-5.20	
<i>For >500, Deduct</i>	-7.41	
06 05 23 00-0067 EA 1/2" Diameter x 6" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt	17.36	
<i>For >10 To 50, Deduct</i>	-0.77	
<i>For >50 To 100, Deduct</i>	-1.59	
<i>For >100 To 250, Deduct</i>	-3.17	
<i>For >250 To 500, Deduct</i>	-5.53	
<i>For >500, Deduct</i>	-7.88	
06 05 23 00-0068 EA 1/2" Diameter x 8" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt	19.63	
<i>For >10 To 50, Deduct</i>	-0.86	
<i>For >50 To 100, Deduct</i>	-1.78	
<i>For >100 To 250, Deduct</i>	-3.56	
<i>For >250 To 500, Deduct</i>	-6.20	
<i>For >500, Deduct</i>	-8.84	
06 05 23 00-0069 EA 1/2" Diameter x 10" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt	22.86	
<i>For >10 To 50, Deduct</i>	-0.99	
<i>For >50 To 100, Deduct</i>	-2.06	
<i>For >100 To 250, Deduct</i>	-4.13	
<i>For >250 To 500, Deduct</i>	-7.18	
<i>For >500, Deduct</i>	-10.24	
06 05 23 00-0070 EA 1/2" Diameter x 12" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt	25.22	
<i>For >10 To 50, Deduct</i>	-1.09	
<i>For >50 To 100, Deduct</i>	-2.26	
<i>For >100 To 250, Deduct</i>	-4.52	
<i>For >250 To 500, Deduct</i>	-7.86	
<i>For >500, Deduct</i>	-11.20	
06 05 23 00-0071 EA 3/4" Diameter x 2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt	20.99	
<i>For >10 To 50, Deduct</i>	-0.81	
<i>For >50 To 100, Deduct</i>	-1.75	
<i>For >100 To 250, Deduct</i>	-3.49	
<i>For >250 To 500, Deduct</i>	-6.05	
<i>For >500, Deduct</i>	-8.61	

06 Wood, Plastics, and Composites**06 05 Common Work Results For Wood, Plastics, And Composites****06 05 23 Wood, Plastic, And Composite Fastenings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 05 23 00-0072	EA		3/4" Diameter x 4" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt	22.01	
			<i>For >10 To 50, Deduct</i>	-0.86	
			<i>For >50 To 100, Deduct</i>	-1.84	
			<i>For >100 To 250, Deduct</i>	-3.68	
			<i>For >250 To 500, Deduct</i>	-6.38	
			<i>For >500, Deduct</i>	-9.07	
06 05 23 00-0073	EA		3/4" Diameter x 6" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt	25.64	
			<i>For >10 To 50, Deduct</i>	-0.99	
			<i>For >50 To 100, Deduct</i>	-2.13	
			<i>For >100 To 250, Deduct</i>	-4.27	
			<i>For >250 To 500, Deduct</i>	-7.39	
			<i>For >500, Deduct</i>	-10.52	
06 05 23 00-0074	EA		3/4" Diameter x 8" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt	27.47	
			<i>For >10 To 50, Deduct</i>	-1.04	
			<i>For >50 To 100, Deduct</i>	-2.25	
			<i>For >100 To 250, Deduct</i>	-4.49	
			<i>For >250 To 500, Deduct</i>	-7.78	
			<i>For >500, Deduct</i>	-11.07	
06 05 23 00-0075	EA		3/4" Diameter x 10" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt	30.97	
			<i>For >10 To 50, Deduct</i>	-1.13	
			<i>For >50 To 100, Deduct</i>	-2.47	
			<i>For >100 To 250, Deduct</i>	-4.94	
			<i>For >250 To 500, Deduct</i>	-8.54	
			<i>For >500, Deduct</i>	-12.13	
06 05 23 00-0076	EA		3/4" Diameter x 12" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt	32.84	
			<i>For >10 To 50, Deduct</i>	-1.18	
			<i>For >50 To 100, Deduct</i>	-2.58	
			<i>For >100 To 250, Deduct</i>	-5.17	
			<i>For >250 To 500, Deduct</i>	-8.93	
			<i>For >500, Deduct</i>	-12.68	
06 05 23 00-0077			304/18-8 Stainless Steel, Carriage Bolts <small>(06 05 23 00-0030)</small>		
06 05 23 00-0078	EA		1/4" Diameter x 2" Length, 304/18-8 Stainless Steel, Carriage Bolt.....	12.59	
			<i>For >10 To 50, Deduct</i>	-0.59	
			<i>For >50 To 100, Deduct</i>	-1.20	
			<i>For >100 To 250, Deduct</i>	-2.39	
			<i>For >250 To 500, Deduct</i>	-4.18	
			<i>For >500, Deduct</i>	-5.96	
06 05 23 00-0079	EA		1/4" Diameter x 4" Length, 304/18-8 Stainless Steel, Carriage Bolt.....	13.51	
			<i>For >10 To 50, Deduct</i>	-0.59	
			<i>For >50 To 100, Deduct</i>	-1.22	
			<i>For >100 To 250, Deduct</i>	-2.44	
			<i>For >250 To 500, Deduct</i>	-4.24	
			<i>For >500, Deduct</i>	-6.05	
06 05 23 00-0080	EA		1/4" Diameter x 6" Length, 304/18-8 Stainless Steel, Carriage Bolt.....	14.11	
			<i>For >10 To 50, Deduct</i>	-0.59	
			<i>For >50 To 100, Deduct</i>	-1.23	
			<i>For >100 To 250, Deduct</i>	-2.47	
			<i>For >250 To 500, Deduct</i>	-4.29	
			<i>For >500, Deduct</i>	-6.11	
06 05 23 00-0081	EA		1/4" Diameter x 8" Length, 304/18-8 Stainless Steel, Carriage Bolt.....	22.41	
			<i>For >10 To 50, Deduct</i>	-0.68	
			<i>For >50 To 100, Deduct</i>	-1.58	
			<i>For >100 To 250, Deduct</i>	-3.15	
			<i>For >250 To 500, Deduct</i>	-5.41	
			<i>For >500, Deduct</i>	-7.67	
06 05 23 00-0082	EA		3/8" Diameter x 2" Length, 304/18-8 Stainless Steel, Carriage Bolt.....	14.35	
			<i>For >10 To 50, Deduct</i>	-0.63	
			<i>For >50 To 100, Deduct</i>	-1.31	
			<i>For >100 To 250, Deduct</i>	-2.62	
			<i>For >250 To 500, Deduct</i>	-4.56	
			<i>For >500, Deduct</i>	-6.50	
06 05 23 00-0083	EA		3/8" Diameter x 4" Length, 304/18-8 Stainless Steel, Carriage Bolt.....	16.59	
			<i>For >10 To 50, Deduct</i>	-0.68	
			<i>For >50 To 100, Deduct</i>	-1.43	
			<i>For >100 To 250, Deduct</i>	-2.86	
			<i>For >250 To 500, Deduct</i>	-4.97	
			<i>For >500, Deduct</i>	-7.08	
06 05 23 00-0084	EA		3/8" Diameter x 6" Length, 304/18-8 Stainless Steel, Carriage Bolt.....	16.88	
			<i>For >10 To 50, Deduct</i>	-0.68	
			<i>For >50 To 100, Deduct</i>	-1.44	
			<i>For >100 To 250, Deduct</i>	-2.88	
			<i>For >250 To 500, Deduct</i>	-5.00	
			<i>For >500, Deduct</i>	-7.11	
06 05 23 00-0085	EA		3/8" Diameter x 8" Length, 304/18-8 Stainless Steel, Carriage Bolt.....	29.19	
			<i>For >10 To 50, Deduct</i>	-0.81	
			<i>For >50 To 100, Deduct</i>	-1.95	
			<i>For >100 To 250, Deduct</i>	-3.90	
			<i>For >250 To 500, Deduct</i>	-6.66	
			<i>For >500, Deduct</i>	-9.43	



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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 05 23 00-0086 EA 3/8" Diameter x 10" Length, 304/18-8 Stainless Steel, Carriage Bolt	34.90	
<i>For >10 To 50, Deduct</i>	-0.86	
<i>For >50 To 100, Deduct</i>	-2.16	
<i>For >100 To 250, Deduct</i>	-4.32	
<i>For >250 To 500, Deduct</i>	-7.34	
<i>For >500, Deduct</i>	-10.36	
06 05 23 00-0087 EA 3/8" Diameter x 12" Length, 304/18-8 Stainless Steel, Carriage Bolt	39.03	
<i>For >10 To 50, Deduct</i>	-0.95	
<i>For >50 To 100, Deduct</i>	-2.40	
<i>For >100 To 250, Deduct</i>	-4.80	
<i>For >250 To 500, Deduct</i>	-8.15	
<i>For >500, Deduct</i>	-11.50	
06 05 23 00-0088 EA 1/2" Diameter x 2" Length, 304/18-8 Stainless Steel, Carriage Bolt	17.66	
<i>For >10 To 50, Deduct</i>	-0.68	
<i>For >50 To 100, Deduct</i>	-1.46	
<i>For >100 To 250, Deduct</i>	-2.92	
<i>For >250 To 500, Deduct</i>	-5.05	
<i>For >500, Deduct</i>	-7.19	
06 05 23 00-0089 EA 1/2" Diameter x 4" Length, 304/18-8 Stainless Steel, Carriage Bolt	19.85	
<i>For >10 To 50, Deduct</i>	-0.72	
<i>For >50 To 100, Deduct</i>	-1.58	
<i>For >100 To 250, Deduct</i>	-3.16	
<i>For >250 To 500, Deduct</i>	-5.47	
<i>For >500, Deduct</i>	-7.77	
06 05 23 00-0090 EA 1/2" Diameter x 6" Length, 304/18-8 Stainless Steel, Carriage Bolt	23.54	
<i>For >10 To 50, Deduct</i>	-0.77	
<i>For >50 To 100, Deduct</i>	-1.74	
<i>For >100 To 250, Deduct</i>	-3.48	
<i>For >250 To 500, Deduct</i>	-5.99	
<i>For >500, Deduct</i>	-8.50	
06 05 23 00-0091 EA 1/2" Diameter x 8" Length, 304/18-8 Stainless Steel, Carriage Bolt	35.74	
<i>For >10 To 50, Deduct</i>	-0.86	
<i>For >50 To 100, Deduct</i>	-2.18	
<i>For >100 To 250, Deduct</i>	-4.36	
<i>For >250 To 500, Deduct</i>	-7.41	
<i>For >500, Deduct</i>	-10.45	
06 05 23 00-0092 EA 1/2" Diameter x 10" Length, 304/18-8 Stainless Steel, Carriage Bolt	40.48	
<i>For >10 To 50, Deduct</i>	-0.99	
<i>For >50 To 100, Deduct</i>	-2.50	
<i>For >100 To 250, Deduct</i>	-5.01	
<i>For >250 To 500, Deduct</i>	-8.51	
<i>For >500, Deduct</i>	-12.00	
06 05 23 00-0093 EA 1/2" Diameter x 12" Length, 304/18-8 Stainless Steel, Carriage Bolt	61.32	
<i>For >10 To 50, Deduct</i>	-1.09	
<i>For >50 To 100, Deduct</i>	-3.16	
<i>For >100 To 250, Deduct</i>	-6.32	
<i>For >250 To 500, Deduct</i>	-10.57	
<i>For >500, Deduct</i>	-14.81	
06 05 23 00-0094 EA 3/4" Diameter x 4" Length, 304/18-8 Stainless Steel, Carriage Bolt	47.70	
<i>For >10 To 50, Deduct</i>	-0.86	
<i>For >50 To 100, Deduct</i>	-2.48	
<i>For >100 To 250, Deduct</i>	-4.96	
<i>For >250 To 500, Deduct</i>	-8.30	
<i>For >500, Deduct</i>	-11.64	
06 05 23 00-0095 EA 3/4" Diameter x 6" Length, 304/18-8 Stainless Steel, Carriage Bolt	66.50	
<i>For >10 To 50, Deduct</i>	-0.99	
<i>For >50 To 100, Deduct</i>	-3.15	
<i>For >100 To 250, Deduct</i>	-6.31	
<i>For >250 To 500, Deduct</i>	-10.46	
<i>For >500, Deduct</i>	-14.61	
06 05 23 00-0096 EA 3/4" Diameter x 8" Length, 304/18-8 Stainless Steel, Carriage Bolt	73.40	
<i>For >10 To 50, Deduct</i>	-1.04	
<i>For >50 To 100, Deduct</i>	-3.40	
<i>For >100 To 250, Deduct</i>	-6.79	
<i>For >250 To 500, Deduct</i>	-11.23	
<i>For >500, Deduct</i>	-15.66	
06 05 23 00-0097 EA 3/4" Diameter x 10" Length, 304/18-8 Stainless Steel, Carriage Bolt	106.43	
<i>For >10 To 50, Deduct</i>	-1.13	
<i>For >50 To 100, Deduct</i>	-4.36	
<i>For >100 To 250, Deduct</i>	-8.71	
<i>For >250 To 500, Deduct</i>	-14.19	
<i>For >500, Deduct</i>	-19.68	
06 05 23 00-0098 EA 3/4" Diameter x 12" Length, 304/18-8 Stainless Steel, Carriage Bolt	111.90	
<i>For >10 To 50, Deduct</i>	-1.18	
<i>For >50 To 100, Deduct</i>	-4.56	
<i>For >100 To 250, Deduct</i>	-9.12	
<i>For >250 To 500, Deduct</i>	-14.86	
<i>For >500, Deduct</i>	-20.59	

06 05 23 00-0099 316 Stainless Steel, Carriage Bolts (06 05 23 00-0030)

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MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 05 23 00-0100	EA		1/4" Diameter x 2" Length, 316 Stainless Steel, Carriage Bolt.....	16.84	
			<i>For >10 To 50, Deduct</i>	-0.59	
			<i>For >50 To 100, Deduct</i>	-1.30	
			<i>For >100 To 250, Deduct</i>	-2.60	
			<i>For >250 To 500, Deduct</i>	-4.49	
			<i>For >500, Deduct</i>	-6.38	
06 05 23 00-0101	EA		1/4" Diameter x 4" Length, 316 Stainless Steel, Carriage Bolt.....	18.46	
			<i>For >10 To 50, Deduct</i>	-0.59	
			<i>For >50 To 100, Deduct</i>	-1.34	
			<i>For >100 To 250, Deduct</i>	-2.69	
			<i>For >250 To 500, Deduct</i>	-4.62	
			<i>For >500, Deduct</i>	-6.55	
06 05 23 00-0102	EA		3/8" Diameter x 2" Length, 316 Stainless Steel, Carriage Bolt.....	19.92	
			<i>For >10 To 50, Deduct</i>	-0.63	
			<i>For >50 To 100, Deduct</i>	-1.45	
			<i>For >100 To 250, Deduct</i>	-2.90	
			<i>For >250 To 500, Deduct</i>	-4.98	
			<i>For >500, Deduct</i>	-7.06	
06 05 23 00-0103	EA		3/8" Diameter x 4" Length, 316 Stainless Steel, Carriage Bolt.....	23.06	
			<i>For >10 To 50, Deduct</i>	-0.68	
			<i>For >50 To 100, Deduct</i>	-1.59	
			<i>For >100 To 250, Deduct</i>	-3.19	
			<i>For >250 To 500, Deduct</i>	-5.46	
			<i>For >500, Deduct</i>	-7.73	
06 05 23 00-0104	EA		1/2" Diameter x 2" Length, 316 Stainless Steel, Carriage Bolt.....	30.25	
			<i>For >10 To 50, Deduct</i>	-0.68	
			<i>For >50 To 100, Deduct</i>	-1.77	
			<i>For >100 To 250, Deduct</i>	-3.55	
			<i>For >250 To 500, Deduct</i>	-6.00	
			<i>For >500, Deduct</i>	-8.45	
06 05 23 00-0105	EA		1/2" Diameter x 4" Length, 316 Stainless Steel, Carriage Bolt.....	32.90	
			<i>For >10 To 50, Deduct</i>	-0.72	
			<i>For >50 To 100, Deduct</i>	-1.91	
			<i>For >100 To 250, Deduct</i>	-3.81	
			<i>For >250 To 500, Deduct</i>	-6.44	
			<i>For >500, Deduct</i>	-9.07	
06 05 23 00-0106	EA		1/2" Diameter x 6" Length, 316 Stainless Steel, Carriage Bolt.....	35.40	
			<i>For >10 To 50, Deduct</i>	-0.77	
			<i>For >50 To 100, Deduct</i>	-2.04	
			<i>For >100 To 250, Deduct</i>	-4.07	
			<i>For >250 To 500, Deduct</i>	-6.88	
			<i>For >500, Deduct</i>	-9.68	
06 05 23 00-0107			Hex Lag Bolts <small>(06 05 23 00-0029)</small>		
			Note: Includes drilling of holes in any material.		
06 05 23 00-0108			Zinc Plated Steel, Hex Lag Bolts <small>(06 05 23 00-0107)</small>		
06 05 23 00-0109	EA		1/4" Diameter x 2" Length, Zinc Plated Steel, Hex Lag Bolt.....	11.43	
			<i>For >10 To 50, Deduct</i>	-0.57	
			<i>For >50 To 100, Deduct</i>	-1.13	
			<i>For >100 To 250, Deduct</i>	-2.27	
			<i>For >250 To 500, Deduct</i>	-3.96	
			<i>For >500, Deduct</i>	-5.66	
06 05 23 00-0110	EA		1/4" Diameter x 4" Length, Zinc Plated Steel, Hex Lag Bolt.....	11.52	
			<i>For >10 To 50, Deduct</i>	-0.57	
			<i>For >50 To 100, Deduct</i>	-1.14	
			<i>For >100 To 250, Deduct</i>	-2.27	
			<i>For >250 To 500, Deduct</i>	-3.97	
			<i>For >500, Deduct</i>	-5.67	
06 05 23 00-0111	EA		1/4" Diameter x 6" Length, Zinc Plated Steel, Hex Lag Bolt.....	11.68	
			<i>For >10 To 50, Deduct</i>	-0.57	
			<i>For >50 To 100, Deduct</i>	-1.14	
			<i>For >100 To 250, Deduct</i>	-2.28	
			<i>For >250 To 500, Deduct</i>	-3.98	
			<i>For >500, Deduct</i>	-5.69	
06 05 23 00-0112	EA		3/8" Diameter x 2" Length, Zinc Plated Steel, Hex Lag Bolt.....	12.57	
			<i>For >10 To 50, Deduct</i>	-0.62	
			<i>For >50 To 100, Deduct</i>	-1.24	
			<i>For >100 To 250, Deduct</i>	-2.48	
			<i>For >250 To 500, Deduct</i>	-4.33	
			<i>For >500, Deduct</i>	-6.19	
06 05 23 00-0113	EA		3/8" Diameter x 4" Length, Zinc Plated Steel, Hex Lag Bolt.....	13.60	
			<i>For >10 To 50, Deduct</i>	-0.66	
			<i>For >50 To 100, Deduct</i>	-1.33	
			<i>For >100 To 250, Deduct</i>	-2.66	
			<i>For >250 To 500, Deduct</i>	-4.65	
			<i>For >500, Deduct</i>	-6.64	
06 05 23 00-0114	EA		3/8" Diameter x 6" Length, Zinc Plated Steel, Hex Lag Bolt.....	13.79	
			<i>For >10 To 50, Deduct</i>	-0.66	
			<i>For >50 To 100, Deduct</i>	-1.33	
			<i>For >100 To 250, Deduct</i>	-2.67	
			<i>For >250 To 500, Deduct</i>	-4.66	
			<i>For >500, Deduct</i>	-6.66	



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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 05 23 00-0115 EA 3/8" Diameter x 8" Length, Zinc Plated Steel, Hex Lag Bolt.....	16.81	
<i>For >10 To 50, Deduct</i>	-0.79	
<i>For >50 To 100, Deduct</i>	-1.61	
<i>For >100 To 250, Deduct</i>	-3.22	
<i>For >250 To 500, Deduct</i>	-5.61	
<i>For >500, Deduct</i>	-8.01	
06 05 23 00-0116 EA 3/8" Diameter x 10" Length, Zinc Plated Steel, Hex Lag Bolt.....	17.80	
<i>For >10 To 50, Deduct</i>	-0.84	
<i>For >50 To 100, Deduct</i>	-1.70	
<i>For >100 To 250, Deduct</i>	-3.40	
<i>For >250 To 500, Deduct</i>	-5.93	
<i>For >500, Deduct</i>	-8.46	
06 05 23 00-0117 EA 1/2" Diameter x 2" Length, Zinc Plated Steel, Hex Lag Bolt.....	13.82	
<i>For >10 To 50, Deduct</i>	-0.66	
<i>For >50 To 100, Deduct</i>	-1.34	
<i>For >100 To 250, Deduct</i>	-2.68	
<i>For >250 To 500, Deduct</i>	-4.69	
<i>For >500, Deduct</i>	-6.70	
06 05 23 00-0118 EA 1/2" Diameter x 4" Length, Zinc Plated Steel, Hex Lag Bolt.....	14.98	
<i>For >10 To 50, Deduct</i>	-0.71	
<i>For >50 To 100, Deduct</i>	-1.44	
<i>For >100 To 250, Deduct</i>	-2.88	
<i>For >250 To 500, Deduct</i>	-5.02	
<i>For >500, Deduct</i>	-7.17	
06 05 23 00-0119 EA 1/2" Diameter x 6" Length, Zinc Plated Steel, Hex Lag Bolt.....	16.21	
<i>For >10 To 50, Deduct</i>	-0.75	
<i>For >50 To 100, Deduct</i>	-1.53	
<i>For >100 To 250, Deduct</i>	-3.07	
<i>For >250 To 500, Deduct</i>	-5.36	
<i>For >500, Deduct</i>	-7.65	
06 05 23 00-0120 EA 1/2" Diameter x 8" Length, Zinc Plated Steel, Hex Lag Bolt.....	18.37	
<i>For >10 To 50, Deduct</i>	-0.84	
<i>For >50 To 100, Deduct</i>	-1.72	
<i>For >100 To 250, Deduct</i>	-3.44	
<i>For >250 To 500, Deduct</i>	-6.01	
<i>For >500, Deduct</i>	-8.57	
06 05 23 00-0121 EA 1/2" Diameter x 10" Length, Zinc Plated Steel, Hex Lag Bolt.....	21.58	
<i>For >10 To 50, Deduct</i>	-0.98	
<i>For >50 To 100, Deduct</i>	-2.00	
<i>For >100 To 250, Deduct</i>	-4.00	
<i>For >250 To 500, Deduct</i>	-6.98	
<i>For >500, Deduct</i>	-9.96	
06 05 23 00-0122 EA 1/2" Diameter x 12" Length, Zinc Plated Steel, Hex Lag Bolt.....	23.54	
<i>For >10 To 50, Deduct</i>	-1.06	
<i>For >50 To 100, Deduct</i>	-2.18	
<i>For >100 To 250, Deduct</i>	-4.37	
<i>For >250 To 500, Deduct</i>	-7.61	
<i>For >500, Deduct</i>	-10.86	
06 05 23 00-0123 EA 3/4" Diameter x 4" Length, Zinc Plated Steel, Hex Lag Bolt.....	19.50	
<i>For >10 To 50, Deduct</i>	-0.84	
<i>For >50 To 100, Deduct</i>	-1.75	
<i>For >100 To 250, Deduct</i>	-3.50	
<i>For >250 To 500, Deduct</i>	-6.09	
<i>For >500, Deduct</i>	-8.68	
06 05 23 00-0124 EA 3/4" Diameter x 6" Length, Zinc Plated Steel, Hex Lag Bolt.....	23.14	
<i>For >10 To 50, Deduct</i>	-0.98	
<i>For >50 To 100, Deduct</i>	-2.04	
<i>For >100 To 250, Deduct</i>	-4.08	
<i>For >250 To 500, Deduct</i>	-7.10	
<i>For >500, Deduct</i>	-10.11	
06 05 23 00-0125 EA 3/4" Diameter x 8" Length, Zinc Plated Steel, Hex Lag Bolt.....	25.30	
<i>For >10 To 50, Deduct</i>	-1.02	
<i>For >50 To 100, Deduct</i>	-2.16	
<i>For >100 To 250, Deduct</i>	-4.32	
<i>For >250 To 500, Deduct</i>	-7.50	
<i>For >500, Deduct</i>	-10.68	
06 05 23 00-0126 EA 3/4" Diameter x 10" Length, Zinc Plated Steel, Hex Lag Bolt.....	28.24	
<i>For >10 To 50, Deduct</i>	-1.11	
<i>For >50 To 100, Deduct</i>	-2.37	
<i>For >100 To 250, Deduct</i>	-4.73	
<i>For >250 To 500, Deduct</i>	-8.21	
<i>For >500, Deduct</i>	-11.68	
06 05 23 00-0127 EA 3/4" Diameter x 12" Length, Zinc Plated Steel, Hex Lag Bolt.....	31.19	
<i>For >10 To 50, Deduct</i>	-1.15	
<i>For >50 To 100, Deduct</i>	-2.51	
<i>For >100 To 250, Deduct</i>	-5.02	
<i>For >250 To 500, Deduct</i>	-8.68	
<i>For >500, Deduct</i>	-12.34	

06 05 23 00-0128 Hot Dipped Galvanized Steel, Hex Lag Bolts (06 05 23 00-0107)

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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 05 23 00-0129 EA 1/4" Diameter x 2" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt.....	11.47	
For >10 To 50, Deduct	-0.57	
For >50 To 100, Deduct	-1.13	
For >100 To 250, Deduct	-2.27	
For >250 To 500, Deduct	-3.97	
For >500, Deduct	-5.67	
06 05 23 00-0130 EA 1/4" Diameter x 4" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt.....	11.60	
For >10 To 50, Deduct	-0.57	
For >50 To 100, Deduct	-1.14	
For >100 To 250, Deduct	-2.28	
For >250 To 500, Deduct	-3.98	
For >500, Deduct	-5.68	
06 05 23 00-0131 EA 1/4" Diameter x 6" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt.....	11.73	
For >10 To 50, Deduct	-0.57	
For >50 To 100, Deduct	-1.14	
For >100 To 250, Deduct	-2.28	
For >250 To 500, Deduct	-3.99	
For >500, Deduct	-5.69	
06 05 23 00-0132 EA 3/8" Diameter x 2" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt.....	12.64	
For >10 To 50, Deduct	-0.62	
For >50 To 100, Deduct	-1.24	
For >100 To 250, Deduct	-2.48	
For >250 To 500, Deduct	-4.34	
For >500, Deduct	-6.19	
06 05 23 00-0133 EA 3/8" Diameter x 4" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt.....	13.71	
For >10 To 50, Deduct	-0.66	
For >50 To 100, Deduct	-1.33	
For >100 To 250, Deduct	-2.66	
For >250 To 500, Deduct	-4.66	
For >500, Deduct	-6.65	
06 05 23 00-0134 EA 3/8" Diameter x 6" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt.....	13.92	
For >10 To 50, Deduct	-0.66	
For >50 To 100, Deduct	-1.34	
For >100 To 250, Deduct	-2.67	
For >250 To 500, Deduct	-4.67	
For >500, Deduct	-6.67	
06 05 23 00-0135 EA 3/8" Diameter x 8" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt.....	17.06	
For >10 To 50, Deduct	-0.79	
For >50 To 100, Deduct	-1.61	
For >100 To 250, Deduct	-3.23	
For >250 To 500, Deduct	-5.63	
For >500, Deduct	-8.04	
06 05 23 00-0136 EA 3/8" Diameter x 10" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt.....	18.22	
For >10 To 50, Deduct	-0.84	
For >50 To 100, Deduct	-1.71	
For >100 To 250, Deduct	-3.42	
For >250 To 500, Deduct	-5.96	
For >500, Deduct	-8.51	
06 05 23 00-0137 EA 1/2" Diameter x 2" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt.....	14.01	
For >10 To 50, Deduct	-0.66	
For >50 To 100, Deduct	-1.35	
For >100 To 250, Deduct	-2.69	
For >250 To 500, Deduct	-4.71	
For >500, Deduct	-6.72	
06 05 23 00-0138 EA 1/2" Diameter x 4" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt.....	15.09	
For >10 To 50, Deduct	-0.71	
For >50 To 100, Deduct	-1.44	
For >100 To 250, Deduct	-2.88	
For >250 To 500, Deduct	-5.03	
For >500, Deduct	-7.18	
06 05 23 00-0139 EA 1/2" Diameter x 6" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt.....	16.40	
For >10 To 50, Deduct	-0.75	
For >50 To 100, Deduct	-1.54	
For >100 To 250, Deduct	-3.08	
For >250 To 500, Deduct	-5.37	
For >500, Deduct	-7.66	
06 05 23 00-0140 EA 1/2" Diameter x 8" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt.....	18.95	
For >10 To 50, Deduct	-0.84	
For >50 To 100, Deduct	-1.74	
For >100 To 250, Deduct	-3.47	
For >250 To 500, Deduct	-6.05	
For >500, Deduct	-8.63	
06 05 23 00-0141 EA 1/2" Diameter x 10" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt.....	21.86	
For >10 To 50, Deduct	-0.98	
For >50 To 100, Deduct	-2.01	
For >100 To 250, Deduct	-4.02	
For >250 To 500, Deduct	-7.00	
For >500, Deduct	-9.99	
06 05 23 00-0142 EA 1/2" Diameter x 12" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt.....	24.23	
For >10 To 50, Deduct	-1.06	
For >50 To 100, Deduct	-2.20	
For >100 To 250, Deduct	-4.40	
For >250 To 500, Deduct	-7.67	
For >500, Deduct	-10.93	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 05 23 00-0143 EA 3/4" Diameter x 4" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt.....	19.92	
<i>For >10 To 50, Deduct</i>	-0.84	
<i>For >50 To 100, Deduct</i>	-1.76	
<i>For >100 To 250, Deduct</i>	-3.52	
<i>For >250 To 500, Deduct</i>	-6.12	
<i>For >500, Deduct</i>	-8.72	
06 05 23 00-0144 EA 3/4" Diameter x 6" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt.....	23.52	
<i>For >10 To 50, Deduct</i>	-0.98	
<i>For >50 To 100, Deduct</i>	-2.05	
<i>For >100 To 250, Deduct</i>	-4.10	
<i>For >250 To 500, Deduct</i>	-7.13	
<i>For >500, Deduct</i>	-10.15	
06 05 23 00-0145 EA 3/4" Diameter x 8" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt.....	25.94	
<i>For >10 To 50, Deduct</i>	-1.02	
<i>For >50 To 100, Deduct</i>	-2.18	
<i>For >100 To 250, Deduct</i>	-4.35	
<i>For >250 To 500, Deduct</i>	-7.55	
<i>For >500, Deduct</i>	-10.75	
06 05 23 00-0146 EA 3/4" Diameter x 10" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt.....	29.75	
<i>For >10 To 50, Deduct</i>	-1.11	
<i>For >50 To 100, Deduct</i>	-2.41	
<i>For >100 To 250, Deduct</i>	-4.81	
<i>For >250 To 500, Deduct</i>	-8.32	
<i>For >500, Deduct</i>	-11.84	
06 05 23 00-0147 EA 3/4" Diameter x 12" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt.....	32.80	
<i>For >10 To 50, Deduct</i>	-1.15	
<i>For >50 To 100, Deduct</i>	-2.55	
<i>For >100 To 250, Deduct</i>	-5.10	
<i>For >250 To 500, Deduct</i>	-8.80	
<i>For >500, Deduct</i>	-12.50	
06 05 23 00-0148 304/18-8 Stainless Steel, Hex Lag Bolts <small>(06 05 23 00-0107)</small>		
06 05 23 00-0149 EA 1/4" Diameter x 2" Length, 304/18-8 Stainless Steel, Hex Lag Bolt.....	11.88	
<i>For >10 To 50, Deduct</i>	-0.57	
<i>For >50 To 100, Deduct</i>	-1.14	
<i>For >100 To 250, Deduct</i>	-2.29	
<i>For >250 To 500, Deduct</i>	-4.00	
<i>For >500, Deduct</i>	-5.71	
06 05 23 00-0150 EA 1/4" Diameter x 4" Length, 304/18-8 Stainless Steel, Hex Lag Bolt.....	12.31	
<i>For >10 To 50, Deduct</i>	-0.57	
<i>For >50 To 100, Deduct</i>	-1.16	
<i>For >100 To 250, Deduct</i>	-2.31	
<i>For >250 To 500, Deduct</i>	-4.03	
<i>For >500, Deduct</i>	-5.75	
06 05 23 00-0151 EA 1/4" Diameter x 6" Length, 304/18-8 Stainless Steel, Hex Lag Bolt.....	13.48	
<i>For >10 To 50, Deduct</i>	-0.57	
<i>For >50 To 100, Deduct</i>	-1.18	
<i>For >100 To 250, Deduct</i>	-2.37	
<i>For >250 To 500, Deduct</i>	-4.12	
<i>For >500, Deduct</i>	-5.87	
06 05 23 00-0152 EA 3/8" Diameter x 2" Length, 304/18-8 Stainless Steel, Hex Lag Bolt.....	13.80	
<i>For >10 To 50, Deduct</i>	-0.62	
<i>For >50 To 100, Deduct</i>	-1.27	
<i>For >100 To 250, Deduct</i>	-2.54	
<i>For >250 To 500, Deduct</i>	-4.42	
<i>For >500, Deduct</i>	-6.31	
06 05 23 00-0153 EA 3/8" Diameter x 4" Length, 304/18-8 Stainless Steel, Hex Lag Bolt.....	15.32	
<i>For >10 To 50, Deduct</i>	-0.66	
<i>For >50 To 100, Deduct</i>	-1.37	
<i>For >100 To 250, Deduct</i>	-2.74	
<i>For >250 To 500, Deduct</i>	-4.78	
<i>For >500, Deduct</i>	-6.81	
06 05 23 00-0154 EA 3/8" Diameter x 6" Length, 304/18-8 Stainless Steel, Hex Lag Bolt.....	16.07	
<i>For >10 To 50, Deduct</i>	-0.66	
<i>For >50 To 100, Deduct</i>	-1.39	
<i>For >100 To 250, Deduct</i>	-2.78	
<i>For >250 To 500, Deduct</i>	-4.83	
<i>For >500, Deduct</i>	-6.88	
06 05 23 00-0155 EA 3/8" Diameter x 8" Length, 304/18-8 Stainless Steel, Hex Lag Bolt.....	29.15	
<i>For >10 To 50, Deduct</i>	-0.79	
<i>For >50 To 100, Deduct</i>	-1.92	
<i>For >100 To 250, Deduct</i>	-3.83	
<i>For >250 To 500, Deduct</i>	-6.54	
<i>For >500, Deduct</i>	-9.25	
06 05 23 00-0156 EA 3/8" Diameter x 10" Length, 304/18-8 Stainless Steel, Hex Lag Bolt.....	39.17	
<i>For >10 To 50, Deduct</i>	-0.84	
<i>For >50 To 100, Deduct</i>	-2.23	
<i>For >100 To 250, Deduct</i>	-4.47	
<i>For >250 To 500, Deduct</i>	-7.53	
<i>For >500, Deduct</i>	-10.60	

06 Wood, Plastics, and Composites**06 05 Common Work Results For Wood, Plastics, And Composites****06 05 23 Wood, Plastic, And Composite Fastenings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 05 23 00-0157	EA		1/2" Diameter x 2" Length, 304/18-8 Stainless Steel, Hex Lag Bolt.....	16.20	
			<i>For >10 To 50, Deduct</i>	-0.66	
			<i>For >50 To 100, Deduct</i>	-1.40	
			<i>For >100 To 250, Deduct</i>	-2.80	
			<i>For >250 To 500, Deduct</i>	-4.87	
			<i>For >500, Deduct</i>	-6.94	
06 05 23 00-0158	EA		1/2" Diameter x 4" Length, 304/18-8 Stainless Steel, Hex Lag Bolt.....	18.65	
			<i>For >10 To 50, Deduct</i>	-0.71	
			<i>For >50 To 100, Deduct</i>	-1.53	
			<i>For >100 To 250, Deduct</i>	-3.06	
			<i>For >250 To 500, Deduct</i>	-5.30	
			<i>For >500, Deduct</i>	-7.54	
06 05 23 00-0159	EA		1/2" Diameter x 6" Length, 304/18-8 Stainless Steel, Hex Lag Bolt.....	22.23	
			<i>For >10 To 50, Deduct</i>	-0.75	
			<i>For >50 To 100, Deduct</i>	-1.69	
			<i>For >100 To 250, Deduct</i>	-3.37	
			<i>For >250 To 500, Deduct</i>	-5.81	
			<i>For >500, Deduct</i>	-8.25	
06 05 23 00-0160	EA		1/2" Diameter x 8" Length, 304/18-8 Stainless Steel, Hex Lag Bolt.....	41.40	
			<i>For >10 To 50, Deduct</i>	-0.84	
			<i>For >50 To 100, Deduct</i>	-2.30	
			<i>For >100 To 250, Deduct</i>	-4.59	
			<i>For >250 To 500, Deduct</i>	-7.73	
			<i>For >500, Deduct</i>	-10.87	
06 05 23 00-0161	EA		1/2" Diameter x 10" Length, 304/18-8 Stainless Steel, Hex Lag Bolt.....	55.26	
			<i>For >10 To 50, Deduct</i>	-0.98	
			<i>For >50 To 100, Deduct</i>	-2.84	
			<i>For >100 To 250, Deduct</i>	-5.69	
			<i>For >250 To 500, Deduct</i>	-9.51	
			<i>For >500, Deduct</i>	-13.33	
06 05 23 00-0162	EA		1/2" Diameter x 12" Length, 304/18-8 Stainless Steel, Hex Lag Bolt.....	64.06	
			<i>For >10 To 50, Deduct</i>	-1.06	
			<i>For >50 To 100, Deduct</i>	-3.20	
			<i>For >100 To 250, Deduct</i>	-6.39	
			<i>For >250 To 500, Deduct</i>	-10.65	
			<i>For >500, Deduct</i>	-14.91	
06 05 23 00-0163	EA		3/4" Diameter x 4" Length, 304/18-8 Stainless Steel, Hex Lag Bolt.....	58.48	
			<i>For >10 To 50, Deduct</i>	-0.84	
			<i>For >50 To 100, Deduct</i>	-2.72	
			<i>For >100 To 250, Deduct</i>	-5.45	
			<i>For >250 To 500, Deduct</i>	-9.01	
			<i>For >500, Deduct</i>	-12.58	
06 05 23 00-0164	EA		3/4" Diameter x 6" Length, 304/18-8 Stainless Steel, Hex Lag Bolt.....	66.94	
			<i>For >10 To 50, Deduct</i>	-0.98	
			<i>For >50 To 100, Deduct</i>	-3.14	
			<i>For >100 To 250, Deduct</i>	-6.27	
			<i>For >250 To 500, Deduct</i>	-10.38	
			<i>For >500, Deduct</i>	-14.49	
06 05 23 00-0165	EA		3/4" Diameter x 8" Length, 304/18-8 Stainless Steel, Hex Lag Bolt.....	69.68	
			<i>For >10 To 50, Deduct</i>	-1.02	
			<i>For >50 To 100, Deduct</i>	-3.27	
			<i>For >100 To 250, Deduct</i>	-6.54	
			<i>For >250 To 500, Deduct</i>	-10.83	
			<i>For >500, Deduct</i>	-15.12	
06 05 23 00-0166	EA		3/4" Diameter x 10" Length, 304/18-8 Stainless Steel, Hex Lag Bolt.....	94.57	
			<i>For >10 To 50, Deduct</i>	-1.11	
			<i>For >50 To 100, Deduct</i>	-4.03	
			<i>For >100 To 250, Deduct</i>	-8.05	
			<i>For >250 To 500, Deduct</i>	-13.18	
			<i>For >500, Deduct</i>	-18.32	
06 05 23 00-0167	EA		3/4" Diameter x 12" Length, 304/18-8 Stainless Steel, Hex Lag Bolt.....	102.83	
			<i>For >10 To 50, Deduct</i>	-1.15	
			<i>For >50 To 100, Deduct</i>	-4.30	
			<i>For >100 To 250, Deduct</i>	-8.60	
			<i>For >250 To 500, Deduct</i>	-14.05	
			<i>For >500, Deduct</i>	-19.50	
06 05 23 00-0168			Supports <small>(06 05 23)</small>		
06 05 23 00-0169			Shear Plates <small>(06 05 23 00-0168)</small>		
06 05 23 00-0170	EA		2-5/8" Diameter, Shear Plate.....	9.54	3.35
			<i>For >10 To 50, Deduct</i>	-0.38	
			<i>For >50 To 100, Deduct</i>	-0.80	
			<i>For >100 To 250, Deduct</i>	-1.61	
			<i>For >250 To 500, Deduct</i>	-2.79	
			<i>For >500, Deduct</i>	-3.97	
06 05 23 00-0171	EA		4" Diameter, Shear Plate.....	12.51	3.53
			<i>For >10 To 50, Deduct</i>	-0.39	
			<i>For >50 To 100, Deduct</i>	-0.90	
			<i>For >100 To 250, Deduct</i>	-1.80	
			<i>For >250 To 500, Deduct</i>	-3.10	
			<i>For >500, Deduct</i>	-4.40	
06 05 23 00-0172			Sill Anchors <small>(06 05 23 00-0168)</small>		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 05 23 00-0173 EA Sill Anchor Embedded In Concrete.....	8.41	3.53
<i>For >10 To 50, Deduct</i>	-0.39	
<i>For >50 To 100, Deduct</i>	-0.80	
<i>For >100 To 250, Deduct</i>	-1.60	
<i>For >250 To 500, Deduct</i>	-2.79	
<i>For >500, Deduct</i>	-3.99	
06 05 23 00-0174 Spike Grids <small>(06 05 23 00-0168)</small>		
06 05 23 00-0175 EA 4" x 4" Flat Or Curved Spike Grid	8.25	3.35
<i>For >10 To 50, Deduct</i>	-0.38	
<i>For >50 To 100, Deduct</i>	-0.77	
<i>For >100 To 250, Deduct</i>	-1.54	
<i>For >250 To 500, Deduct</i>	-2.69	
<i>For >500, Deduct</i>	-3.84	
06 05 23 00-0176 Split Rings <small>(06 05 23 00-0168)</small>		
06 05 23 00-0177 EA 2-1/2" Diameter Split Ring	8.69	3.35
<i>For >10 To 50, Deduct</i>	-0.38	
<i>For >50 To 100, Deduct</i>	-0.78	
<i>For >100 To 250, Deduct</i>	-1.56	
<i>For >250 To 500, Deduct</i>	-2.72	
<i>For >500, Deduct</i>	-3.88	
06 05 23 00-0178 EA 4" Diameter Split Ring.....	10.16	3.71
<i>For >10 To 50, Deduct</i>	-0.41	
<i>For >50 To 100, Deduct</i>	-0.87	
<i>For >100 To 250, Deduct</i>	-1.74	
<i>For >250 To 500, Deduct</i>	-3.02	
<i>For >500, Deduct</i>	-4.30	
06 05 23 00-0179 Toothed Rings <small>(06 05 23 00-0168)</small>		
06 05 23 00-0180 EA 2-5/8" Or 4" Toothed Ring.....	10.38	3.35
<i>For >10 To 50, Deduct</i>	-0.38	
<i>For >50 To 100, Deduct</i>	-0.82	
<i>For >100 To 250, Deduct</i>	-1.65	
<i>For >250 To 500, Deduct</i>	-2.85	
<i>For >500, Deduct</i>	-4.05	
06 05 23 00-0181 Straps And Shields <small>(06 05 23)</small>		
06 05 23 00-0182 Shield Plate <small>(06 05 23 00-0181)</small>		
06 05 23 00-0183 EA 5" Wide x 8" Long, 16 Gauge, Shield Plate (Simpson Strong Tie® PSPN58Z)	5.36	
<i>For >10 To 50, Deduct</i>	-0.06	
<i>For >50 To 100, Deduct</i>	-0.19	
<i>For >100 To 250, Deduct</i>	-0.38	
<i>For >250 To 500, Deduct</i>	-0.68	
<i>For >500, Deduct</i>	-1.06	
06 05 23 00-0184 EA 5" Wide x 16" Long, 16 Gauge, Shield Plate (Simpson Strong Tie® PSPN516Z)	7.96	
<i>For >10 To 50, Deduct</i>	-0.07	
<i>For >50 To 100, Deduct</i>	-0.27	
<i>For >100 To 250, Deduct</i>	-0.53	
<i>For >250 To 500, Deduct</i>	-0.94	
<i>For >500, Deduct</i>	-1.42	
06 05 23 00-0185 Strap Ties <small>(06 05 23 00-0181)</small>		
06 05 23 00-0186 EA 1-1/4" Wide x 9" Long, 20 Gauge, Strap Tie (Simpson Strong Tie® LSTA9).....	2.33	
<i>For >10 To 50, Deduct</i>	-0.05	
<i>For >50 To 100, Deduct</i>	-0.10	
<i>For >100 To 250, Deduct</i>	-0.21	
<i>For >250 To 500, Deduct</i>	-0.40	
<i>For >500, Deduct</i>	-0.65	
06 05 23 00-0187 EA 1-1/4" Wide x 12" Long, 20 Gauge, Strap Tie (Simpson Strong Tie® LSTA12).....	2.38	
<i>For >10 To 50, Deduct</i>	-0.05	
<i>For >50 To 100, Deduct</i>	-0.10	
<i>For >100 To 250, Deduct</i>	-0.21	
<i>For >250 To 500, Deduct</i>	-0.40	
<i>For >500, Deduct</i>	-0.65	
06 05 23 00-0188 EA 1-1/4" Wide x 15" Long, 20 Gauge, Strap Tie (Simpson Strong Tie® LSTA15).....	3.11	
<i>For >10 To 50, Deduct</i>	-0.06	
<i>For >50 To 100, Deduct</i>	-0.13	
<i>For >100 To 250, Deduct</i>	-0.27	
<i>For >250 To 500, Deduct</i>	-0.52	
<i>For >500, Deduct</i>	-0.83	
06 05 23 00-0189 EA 1-1/4" Wide x 18" Long, 20 Gauge, Strap Tie (Simpson Strong Tie® LSTA18).....	3.26	
<i>For >10 To 50, Deduct</i>	-0.06	
<i>For >50 To 100, Deduct</i>	-0.14	
<i>For >100 To 250, Deduct</i>	-0.28	
<i>For >250 To 500, Deduct</i>	-0.53	
<i>For >500, Deduct</i>	-0.85	

06 Wood, Plastics, and Composites**06 05 Common Work Results For Wood, Plastics, And Composites****06 05 23 Wood, Plastic, And Composite Fastenings**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 05 23 00-0190 EA 1-1/4" Wide x 21" Long, 20 Gauge, Strap Tie (Simpson Strong Tie® LSTA21).....	3.38	
For >10 To 50, Deduct	-0.06	
For >50 To 100, Deduct	-0.14	
For >100 To 250, Deduct	-0.28	
For >250 To 500, Deduct	-0.54	
For >500, Deduct	-0.86	
06 05 23 00-0191 EA 1-1/4" Wide x 24" Long, 20 Gauge, Strap Tie (Simpson Strong Tie® LSTA24).....	3.97	
For >10 To 50, Deduct	-0.07	
For >50 To 100, Deduct	-0.17	
For >100 To 250, Deduct	-0.33	
For >250 To 500, Deduct	-0.64	
For >500, Deduct	-1.02	
06 05 23 00-0192 EA 1-1/4" Wide x 30" Long, 20 Gauge, Strap Tie (Simpson Strong Tie® LSTA30).....	4.32	
For >10 To 50, Deduct	-0.07	
For >50 To 100, Deduct	-0.18	
For >100 To 250, Deduct	-0.35	
For >250 To 500, Deduct	-0.66	
For >500, Deduct	-1.06	
06 05 23 00-0193 EA 1-1/4" Wide x 36" Long, 20 Gauge, Strap Tie (Simpson Strong Tie® LSTA36).....	5.12	
For >10 To 50, Deduct	-0.08	
For >50 To 100, Deduct	-0.21	
For >100 To 250, Deduct	-0.41	
For >250 To 500, Deduct	-0.78	
For >500, Deduct	-1.24	
06 05 23 00-0194 EA 1-1/4" Wide x 9" Long, 18 Gauge, Strap Tie (Simpson Strong Tie® MSTA9).....	2.38	
For >10 To 50, Deduct	-0.05	
For >50 To 100, Deduct	-0.10	
For >100 To 250, Deduct	-0.21	
For >250 To 500, Deduct	-0.40	
For >500, Deduct	-0.65	
06 05 23 00-0195 EA 1-1/4" Wide x 12" Long, 18 Gauge, Strap Tie (Simpson Strong Tie® MSTA12).....	2.54	
For >10 To 50, Deduct	-0.05	
For >50 To 100, Deduct	-0.11	
For >100 To 250, Deduct	-0.22	
For >250 To 500, Deduct	-0.42	
For >500, Deduct	-0.67	
06 05 23 00-0196 EA 1-1/4" Wide x 15" Long, 18 Gauge, Strap Tie (Simpson Strong Tie® MSTA15).....	3.22	
For >10 To 50, Deduct	-0.06	
For >50 To 100, Deduct	-0.14	
For >100 To 250, Deduct	-0.27	
For >250 To 500, Deduct	-0.52	
For >500, Deduct	-0.84	
06 05 23 00-0197 EA 1-1/4" Wide x 18" Long, 18 Gauge, Strap Tie (Simpson Strong Tie® MSTA18).....	3.41	
For >10 To 50, Deduct	-0.06	
For >50 To 100, Deduct	-0.14	
For >100 To 250, Deduct	-0.28	
For >250 To 500, Deduct	-0.54	
For >500, Deduct	-0.86	
06 05 23 00-0198 EA 1-1/4" Wide x 21" Long, 18 Gauge, Strap Tie (Simpson Strong Tie® MSTA21).....	3.59	
For >10 To 50, Deduct	-0.06	
For >50 To 100, Deduct	-0.15	
For >100 To 250, Deduct	-0.29	
For >250 To 500, Deduct	-0.55	
For >500, Deduct	-0.88	
06 05 23 00-0199 EA 1-1/4" Wide x 24" Long, 18 Gauge, Strap Tie (Simpson Strong Tie® MSTA24).....	4.24	
For >10 To 50, Deduct	-0.07	
For >50 To 100, Deduct	-0.17	
For >100 To 250, Deduct	-0.35	
For >250 To 500, Deduct	-0.66	
For >500, Deduct	-1.05	
06 05 23 00-0200 EA 1-1/4" Wide x 30" Long, 18 Gauge, Strap Tie (Simpson Strong Tie® MSTA30).....	4.52	
For >10 To 50, Deduct	-0.07	
For >50 To 100, Deduct	-0.18	
For >100 To 250, Deduct	-0.36	
For >250 To 500, Deduct	-0.68	
For >500, Deduct	-1.08	
06 05 23 00-0201 EA 1-1/4" Wide x 36" Long, 18 Gauge, Strap Tie (Simpson Strong Tie® MSTA36).....	5.45	
For >10 To 50, Deduct	-0.08	
For >50 To 100, Deduct	-0.22	
For >100 To 250, Deduct	-0.43	
For >250 To 500, Deduct	-0.81	
For >500, Deduct	-1.27	
06 05 23 00-0202 EA 1-1/4" Wide x 36" Long, 18 Gauge, Strap Tie (Simpson Strong Tie® MSTA49).....	6.96	
For >10 To 50, Deduct	-0.09	
For >50 To 100, Deduct	-0.26	
For >100 To 250, Deduct	-0.53	
For >250 To 500, Deduct	-0.97	
For >500, Deduct	-1.53	
06 05 23 00-0203 EA 1-1/4" Wide x 9" Long, 16 Gauge, Strap Tie (Simpson Strong Tie® ST9).....	2.60	
For >10 To 50, Deduct	-0.05	
For >50 To 100, Deduct	-0.11	
For >100 To 250, Deduct	-0.22	
For >250 To 500, Deduct	-0.42	
For >500, Deduct	-0.68	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 05 23 00-0204 EA 1-1/4" Wide x 12" Long, 16 Gauge, Strap Tie (Simpson Strong Tie® ST12).....	2.80	
<i>For >10 To 50, Deduct</i>	-0.05	
<i>For >50 To 100, Deduct</i>	-0.12	
<i>For >100 To 250, Deduct</i>	-0.23	
<i>For >250 To 500, Deduct</i>	-0.44	
<i>For >500, Deduct</i>	-0.70	
06 05 23 00-0205 EA 1-1/4" Wide x 18" Long, 16 Gauge, Strap Tie (Simpson Strong Tie® ST18).....	3.74	
<i>For >10 To 50, Deduct</i>	-0.06	
<i>For >50 To 100, Deduct</i>	-0.15	
<i>For >100 To 250, Deduct</i>	-0.30	
<i>For >250 To 500, Deduct</i>	-0.56	
<i>For >500, Deduct</i>	-0.89	
06 05 23 00-0206 EA 1-1/4" Wide x 22" Long, 16 Gauge, Strap Tie® (Simpson Strong Tie ST22).....	4.81	
<i>For >10 To 50, Deduct</i>	-0.07	
<i>For >50 To 100, Deduct</i>	-0.19	
<i>For >100 To 250, Deduct</i>	-0.38	
<i>For >250 To 500, Deduct</i>	-0.70	
<i>For >500, Deduct</i>	-1.11	
06 05 23 00-0207 EA 1-3/8" Wide x 6" Long, 12 Gauge, Strap Tie (Simpson Strong Tie® HRS6).....	3.19	
<i>For >10 To 50, Deduct</i>	-0.05	
<i>For >50 To 100, Deduct</i>	-0.13	
<i>For >100 To 250, Deduct</i>	-0.25	
<i>For >250 To 500, Deduct</i>	-0.47	
<i>For >500, Deduct</i>	-0.74	
06 05 23 00-0208 EA 1-3/8" Wide x 8" Long, 12 Gauge, Strap Tie (Simpson Strong Tie® HRS8).....	3.35	
<i>For >10 To 50, Deduct</i>	-0.05	
<i>For >50 To 100, Deduct</i>	-0.13	
<i>For >100 To 250, Deduct</i>	-0.26	
<i>For >250 To 500, Deduct</i>	-0.48	
<i>For >500, Deduct</i>	-0.75	
06 05 23 00-0209 EA 1-3/8" Wide x 12" Long, 12 Gauge, Strap Tie (Simpson Strong Tie® HRS12).....	4.50	
<i>For >10 To 50, Deduct</i>	-0.06	
<i>For >50 To 100, Deduct</i>	-0.17	
<i>For >100 To 250, Deduct</i>	-0.34	
<i>For >250 To 500, Deduct</i>	-0.62	
<i>For >500, Deduct</i>	-0.97	
06 05 23 00-0210 EA 2-1/16" Wide x 27" Long, 12 Gauge, Medium Strap Tie (Simpson Strong Tie® MST27).....	7.75	
<i>For >10 To 50, Deduct</i>	-0.07	
<i>For >50 To 100, Deduct</i>	-0.26	
<i>For >100 To 250, Deduct</i>	-0.52	
<i>For >250 To 500, Deduct</i>	-0.92	
<i>For >500, Deduct</i>	-1.40	
06 05 23 00-0211 EA 2-1/16" Wide x 37" Long, 12 Gauge, Medium Strap Tie (Simpson Strong Tie® MST37).....	10.35	
<i>For >10 To 50, Deduct</i>	-0.08	
<i>For >50 To 100, Deduct</i>	-0.34	
<i>For >100 To 250, Deduct</i>	-0.68	
<i>For >250 To 500, Deduct</i>	-1.17	
<i>For >500, Deduct</i>	-1.76	
06 05 23 00-0212 EA 2-1/16" Wide x 48" Long, 12 Gauge, Medium Strap Tie (Simpson Strong Tie® MST48).....	13.56	
<i>For >10 To 50, Deduct</i>	-0.09	
<i>For >50 To 100, Deduct</i>	-0.43	
<i>For >100 To 250, Deduct</i>	-0.86	
<i>For >250 To 500, Deduct</i>	-1.47	
<i>For >500, Deduct</i>	-2.19	
06 05 23 00-0213 EA 2-1/16" Wide x 60" Long, 12 Gauge, Medium Strap Tie (Simpson Strong Tie® MST60).....	19.37	
<i>For >10 To 50, Deduct</i>	-0.10	
<i>For >50 To 100, Deduct</i>	-0.59	
<i>For >100 To 250, Deduct</i>	-1.17	
<i>For >250 To 500, Deduct</i>	-1.96	
<i>For >500, Deduct</i>	-2.87	
06 05 23 00-0214 EA 2-1/16" Wide x 72" Long, 12 Gauge, Medium Strap Tie (Simpson Strong Tie® MST72).....	24.79	
<i>For >10 To 50, Deduct</i>	-0.11	
<i>For >50 To 100, Deduct</i>	-0.73	
<i>For >100 To 250, Deduct</i>	-1.47	
<i>For >250 To 500, Deduct</i>	-2.42	
<i>For >500, Deduct</i>	-3.52	
06 05 23 00-0215 EA 3" Wide x 28" Long, 16 Gauge, Strap Ties (Simpson Strong Tie® MSTC28).....	8.26	
<i>For >10 To 50, Deduct</i>	-0.07	
<i>For >50 To 100, Deduct</i>	-0.27	
<i>For >100 To 250, Deduct</i>	-0.55	
<i>For >250 To 500, Deduct</i>	-0.96	
<i>For >500, Deduct</i>	-1.45	
06 05 23 00-0216 EA 3" Wide x 40" Long, 16 Gauge, Strap Ties (Simpson Strong Tie® MSTC40).....	11.10	
<i>For >10 To 50, Deduct</i>	-0.08	
<i>For >50 To 100, Deduct</i>	-0.36	
<i>For >100 To 250, Deduct</i>	-0.71	
<i>For >250 To 500, Deduct</i>	-1.23	
<i>For >500, Deduct</i>	-1.84	
06 05 23 00-0217 EA 3" Wide x 52" Long, 16 Gauge, Strap Ties (Simpson Strong Tie® MSTC52).....	13.77	
<i>For >10 To 50, Deduct</i>	-0.09	
<i>For >50 To 100, Deduct</i>	-0.43	
<i>For >100 To 250, Deduct</i>	-0.87	
<i>For >250 To 500, Deduct</i>	-1.49	
<i>For >500, Deduct</i>	-2.21	

06 Wood, Plastics, and Composites**06 05 Common Work Results For Wood, Plastics, And Composites****06 05 23 Wood, Plastic, And Composite Fastenings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 05 23 00-0218	EA		3" Wide x 66" Long, 16 Gauge, Strap Ties (Simpson Strong Tie® MSTC66).....	19.77	
			<i>For >10 To 50, Deduct</i>	-0.10	
			<i>For >50 To 100, Deduct</i>	-0.60	
			<i>For >100 To 250, Deduct</i>	-1.19	
			<i>For >250 To 500, Deduct</i>	-1.99	
			<i>For >500, Deduct</i>	-2.91	
06 05 23 00-0219			Twist Strap Ties <small>(06 05 23 00-0181)</small>		
06 05 23 00-0220	EA		1-1/4" Wide x 9" Long, 16 Gauge, Twist Strap Tie (Simpson Strong Tie® TS9).....	2.88	
			<i>For >10 To 50, Deduct</i>	-0.05	
			<i>For >50 To 100, Deduct</i>	-0.12	
			<i>For >100 To 250, Deduct</i>	-0.23	
			<i>For >250 To 500, Deduct</i>	-0.44	
			<i>For >500, Deduct</i>	-0.70	
06 05 23 00-0221	EA		1-1/4" Wide x 12" Long, 16 Gauge, Twist Strap Tie (Simpson Strong Tie® TS12).....	3.25	
			<i>For >10 To 50, Deduct</i>	-0.05	
			<i>For >50 To 100, Deduct</i>	-0.13	
			<i>For >100 To 250, Deduct</i>	-0.25	
			<i>For >250 To 500, Deduct</i>	-0.47	
			<i>For >500, Deduct</i>	-0.74	
06 05 23 00-0222	EA		1-1/4" Wide x 18" Long, 16 Gauge, Twist Strap Tie (Simpson Strong Tie® TS18).....	4.35	
			<i>For >10 To 50, Deduct</i>	-0.06	
			<i>For >50 To 100, Deduct</i>	-0.17	
			<i>For >100 To 250, Deduct</i>	-0.33	
			<i>For >250 To 500, Deduct</i>	-0.61	
			<i>For >500, Deduct</i>	-0.95	
06 05 23 00-0223	EA		1-1/4" Wide x 22" Long, 16 Gauge, Twist Strap Tie (Simpson Strong Tie® TS22).....	5.17	
			<i>For >10 To 50, Deduct</i>	-0.07	
			<i>For >50 To 100, Deduct</i>	-0.20	
			<i>For >100 To 250, Deduct</i>	-0.39	
			<i>For >250 To 500, Deduct</i>	-0.73	
			<i>For >500, Deduct</i>	-1.14	
06 05 23 00-0224			Retrofit Plate Strap <small>(06 05 23 00-0181)</small>		
06 05 23 00-0225	EA		1-3/8" Wide x 18" Long, 16 Gauge, Retrofit Plate Strap (Simpson Strong Tie® RPS18).....	3.93	
			<i>For >10 To 50, Deduct</i>	-0.06	
			<i>For >50 To 100, Deduct</i>	-0.15	
			<i>For >100 To 250, Deduct</i>	-0.31	
			<i>For >250 To 500, Deduct</i>	-0.58	
			<i>For >500, Deduct</i>	-0.91	
06 05 23 00-0226	EA		1-3/8" Wide x 22" Long, 16 Gauge, Retrofit Plate Strap (Simpson Strong Tie® RPS22).....	4.28	
			<i>For >10 To 50, Deduct</i>	-0.06	
			<i>For >50 To 100, Deduct</i>	-0.16	
			<i>For >100 To 250, Deduct</i>	-0.33	
			<i>For >250 To 500, Deduct</i>	-0.60	
			<i>For >500, Deduct</i>	-0.95	
06 05 23 00-0227	EA		1-3/8" Wide x 28" Long, 16 Gauge, Retrofit Plate Strap (Simpson Strong Tie® RPS28).....	4.84	
			<i>For >10 To 50, Deduct</i>	-0.06	
			<i>For >50 To 100, Deduct</i>	-0.18	
			<i>For >100 To 250, Deduct</i>	-0.36	
			<i>For >250 To 500, Deduct</i>	-0.65	
			<i>For >500, Deduct</i>	-1.00	
06 05 23 00-0228			Stud Shoe <small>(06 05 23 00-0181)</small>		
06 05 23 00-0229	EA		6" High With 3-1/4" Wide Tabs For 2X Stud, 16 Gauge, Stud Shoe (Simpson Strong Tie® SS1.5).....	6.90	
			<i>For >10 To 50, Deduct</i>	-0.07	
			<i>For >50 To 100, Deduct</i>	-0.24	
			<i>For >100 To 250, Deduct</i>	-0.48	
			<i>For >250 To 500, Deduct</i>	-0.86	
			<i>For >500, Deduct</i>	-1.32	
06 05 23 00-0230	EA		6" High With 3-1/4" Wide Tabs For 3X Stud, 16 Gauge, Stud Shoe (Simpson Strong Tie® SS2.5).....	10.07	
			<i>For >10 To 50, Deduct</i>	-0.07	
			<i>For >50 To 100, Deduct</i>	-0.32	
			<i>For >100 To 250, Deduct</i>	-0.64	
			<i>For >250 To 500, Deduct</i>	-1.10	
			<i>For >500, Deduct</i>	-1.63	
06 05 23 00-0231	EA		6" High With 3-1/4" Wide Tabs For 2-2X Studs, 16 Gauge, Stud Shoe (Simpson Strong Tie® SS3).....	10.69	
			<i>For >10 To 50, Deduct</i>	-0.07	
			<i>For >50 To 100, Deduct</i>	-0.34	
			<i>For >100 To 250, Deduct</i>	-0.67	
			<i>For >250 To 500, Deduct</i>	-1.14	
			<i>For >500, Deduct</i>	-1.69	
06 05 23 00-0232	EA		6" High With 3-1/4" Wide Tabs For 3-2X Studs, 16 Gauge, Stud Shoe (Simpson Strong Tie SS4.5).....	14.01	
			<i>For >10 To 50, Deduct</i>	-0.07	
			<i>For >50 To 100, Deduct</i>	-0.42	
			<i>For >100 To 250, Deduct</i>	-0.84	
			<i>For >250 To 500, Deduct</i>	-1.39	
			<i>For >500, Deduct</i>	-2.03	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 05 23 00-0233 EA 7-1/8" High With 3-1/4" Wide Tabs For 2X Studs, 16 Gauge, Stud Shoe (Simpson Strong Tie HSS2-SDS1.5).....	15.65	
<i>For >10 To 50, Deduct</i>	-0.07	
<i>For >50 To 100, Deduct</i>	-0.46	
<i>For >100 To 250, Deduct</i>	-0.92	
<i>For >250 To 500, Deduct</i>	-1.51	
<i>For >500, Deduct</i>	-2.19	
06 05 23 00-0234 EA 7-1/8" High With 3-1/4" Wide Tabs For 2-2X Studs, 16 Gauge, Stud Shoe (Simpson Strong Tie HSS2-2-SDS3)	19.18	
<i>For >10 To 50, Deduct</i>	-0.07	
<i>For >50 To 100, Deduct</i>	-0.55	
<i>For >100 To 250, Deduct</i>	-1.10	
<i>For >250 To 500, Deduct</i>	-1.78	
<i>For >500, Deduct</i>	-2.54	
06 05 23 00-0235 EA 7-1/8" High With 3-1/4" Wide Tabs For 3-2X Studs, 16 Gauge, Stud Shoe (Simpson Strong Tie HSS2-3-SDS3)	19.18	
<i>For >10 To 50, Deduct</i>	-0.07	
<i>For >50 To 100, Deduct</i>	-0.55	
<i>For >100 To 250, Deduct</i>	-1.10	
<i>For >250 To 500, Deduct</i>	-1.78	
<i>For >500, Deduct</i>	-2.54	
06 05 23 00-0236 EA 7-1/8" High With 3-1/4" Wide Tabs For 4X Studs, 16 Gauge, Stud Shoe (Simpson Strong Tie HSS4-SDS3).....	19.18	
<i>For >10 To 50, Deduct</i>	-0.07	
<i>For >50 To 100, Deduct</i>	-0.55	
<i>For >100 To 250, Deduct</i>	-1.10	
<i>For >250 To 500, Deduct</i>	-1.78	
<i>For >500, Deduct</i>	-2.54	
06 05 23 00-0237 Nail Stops <small>(06 05 23 00-0181)</small>		
06 05 23 00-0238 EA 1-1/2" Wide x 3" Long, 16 Gauge, Nail Stops (Simpson Strong Tie® NS1).....	2.20	
<i>For >10 To 50, Deduct</i>	-0.05	
<i>For >50 To 100, Deduct</i>	-0.10	
<i>For >100 To 250, Deduct</i>	-0.20	
<i>For >250 To 500, Deduct</i>	-0.39	
<i>For >500, Deduct</i>	-0.64	
06 05 23 00-0239 EA 1-1/2" Wide x 6" Long, 16 Gauge, Nail Stops (Simpson Strong Tie® NS2).....	2.48	
<i>For >10 To 50, Deduct</i>	-0.05	
<i>For >50 To 100, Deduct</i>	-0.11	
<i>For >100 To 250, Deduct</i>	-0.21	
<i>For >250 To 500, Deduct</i>	-0.41	
<i>For >500, Deduct</i>	-0.66	
06 05 73 Wood Treatment <small>(06 05)</small>		
06 05 73 13 Fire-Retardant Wood Treatment <small>(06 05 73)</small>		
06 05 73 13-0001 Preservative Treated Lumber <small>(06 05 73 13)</small>		
06 05 73 13-0002 Fire Retardant Treatment (FRT) For Lumber <small>(06 05 73 13-0001)</small>		
06 05 73 13-0003 MBF Fire Retardant Treatment (FRT) For Lumber.....	385.75	
06 05 73 33 Preservative Wood Treatment <small>(06 05 73)</small>		
06 05 73 33-0001 Preservative Treatment For Marine And Fresh Water Uses <small>(06 05 73 33)</small>		
06 05 73 33-0002 MBF Preservative Treatment For Marine And Fresh Water Lumber	118.97	
06 10 Rough Carpentry <small>(06)</small>		
06 11 Wood Framing <small>(06 10)</small>		
<small>Note: All framing lumber is grade #2 or better unless otherwise listed. Dimensions are nominal. See CSI section 06 05 23 00-0000 for anchors and supports.</small>		
06 11 13 Engineered Wood Products <small>(06 11)</small>		
<small>Note: All framing lumber is grade #2 or better unless otherwise listed. Dimensions are nominal.</small>		
06 11 13 00-0001 Built-Up Members <small>(06 11 13)</small>		
<small>Note: A structural framing member made from fastening separate pieces of lumber together.</small>		
06 11 13 00-0002 Built-Up Beams Or Joists <small>(06 11 13 00-0001)</small>		
06 11 13 00-0003 LF Two 2" x 6" Built-up Wood Beam Or Joist.....	3.83	1.55
<i>For Each Additional 2" x_" In The Built Up Member, Add</i>	0.73	
06 11 13 00-0004 LF Two 2" x 8" Built-up Wood Beam Or Joist.....	4.81	1.82
<i>For Each Additional 2" x_" In The Built Up Member, Add</i>	1.04	
06 11 13 00-0005 LF Two 2" x 10" Built-up Wood Beam Or Joist.....	6.16	2.19
<i>For Each Additional 2" x_" In The Built Up Member, Add</i>	1.45	
06 11 13 00-0006 Built-Up Posts <small>(06 11 13 00-0001)</small>		
06 11 13 00-0007 LF Two 2" x 6" Built-up Wood Post.....	3.83	1.55
<i>For Each Additional 2" x_" In The Built Up Member, Add</i>	0.73	
06 11 13 00-0008 LF Two 2" x 8" Built-up Wood Post.....	4.81	1.82
<i>For Each Additional 2" x_" In The Built Up Member, Add</i>	1.04	
06 11 13 00-0009 LF Two 2" x 10" Built-up Wood Post.....	6.16	2.19
<i>For Each Additional 2" x_" In The Built Up Member, Add</i>	1.45	

06 Wood, Plastics, and Composites**06 10 Rough Carpentry****06 11 Wood Framing**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST**06 11 16 Mechanically Graded Lumber (06 11)****06 11 16 00-0001 Rafters And Joists (06 11 16)****06 11 16 00-0002 Rafters (06 11 16 00-0001)**

Note: An inclined roof framing member to which a roof covering is attached.

06 11 16 00-0003	LF	2" x 6" Wood Rafter	2.19	1.10
06 11 16 00-0004	LF	2" x 8" Wood Rafter	2.59	1.19
06 11 16 00-0005	LF	2" x 10" Wood Rafter	3.72	1.73
06 11 16 00-0006	LF	2" x 12" Wood Rafter	4.30	1.92
06 11 16 00-0007	LF	2" x 14" Wood Rafter	4.68	2.10
06 11 16 00-0008	LF	2" x 6" Pressure Treated Wood Rafter.....	2.55	1.10
06 11 16 00-0009	LF	2" x 8" Pressure Treated Wood Rafter.....	3.08	1.19
06 11 16 00-0010	LF	2" x 10" Pressure Treated Wood Rafter.....	4.18	1.73
06 11 16 00-0011	LF	2" x 12" Pressure Treated Wood Rafter.....	5.02	1.92

06 11 16 00-0012 Joists (06 11 16 00-0001)

Note: A series of parallel beams to support floors or ceilings.

06 11 16 00-0013	LF	2" x 6" Wood Floor Joist.....	1.92	0.91
06 11 16 00-0014	LF	2" x 8" Wood Floor Joist.....	2.41	1.00
06 11 16 00-0015	LF	2" x 10" Wood Floor Joist.....	3.08	1.28
06 11 16 00-0016	LF	2" x 12" Wood Floor Joist.....	3.67	1.46
06 11 16 00-0017	LF	2" x 14" Wood Floor Joist.....	4.04	1.55
06 11 16 00-0018	LF	2" x 6" Pressure Treated Wood Floor Joist.....	2.28	0.91
06 11 16 00-0019	LF	2" x 8" Pressure Treated Wood Floor Joist.....	2.90	1.00
06 11 16 00-0020	LF	2" x 10" Pressure Treated Wood Floor Joist.....	3.54	1.28
06 11 16 00-0021	LF	2" x 12" Pressure Treated Wood Floor Joist.....	4.39	1.46

06 11 16 00-0022 Purlins (06 11 16 00-0001)

Note: A horizontal structural member in a roof, supporting the loads from the roof deck or sheathing.

06 11 16 00-0023	LF	2" x 4" Wood Purlin.....	1.54	0.55
06 11 16 00-0024	LF	2" x 6" Wood Purlin.....	1.94	0.60
06 11 16 00-0025	LF	2" x 8" Wood Purlin.....	2.36	0.67
06 11 16 00-0026	LF	2" x 10" Wood Purlin.....	2.90	0.73
06 11 16 00-0027	LF	2" x 4" Pressure Treated Wood Purlin.....	1.75	0.55
06 11 16 00-0028	LF	2" x 6" Pressure Treated Wood Purlin.....	2.30	0.60
06 11 16 00-0029	LF	2" x 8" Pressure Treated Wood Purlin.....	2.85	0.67
06 11 16 00-0030	LF	2" x 10" Pressure Treated Wood Purlin.....	3.36	0.73

06 11 16 00-0031 Exposed Rafters Or Joists (06 11 16 00-0001)**06 11 16 00-0032 Redwood Rafters Or Joists (06 11 16 00-0031)**

06 11 16 00-0033	LF	2" x 6" Redwood Rafter Or Joist	3.00	0.91
06 11 16 00-0034	LF	2" x 8" Redwood Rafter Or Joist	3.66	1.00
06 11 16 00-0035	LF	2" x 10" Redwood Rafter Or Joist	4.56	1.28
06 11 16 00-0036	LF	2" x 12" Redwood Rafter Or Joist	5.54	1.46

06 11 16 00-0037 Cedar Rafters Or Joists (06 11 16 00-0031)

06 11 16 00-0038	LF	2" x 6" Cedar Rafter Or Joist.....	1.93	0.91
06 11 16 00-0039	LF	2" x 8" Cedar Rafter Or Joist.....	2.16	1.00
06 11 16 00-0040	LF	2" x 10" Cedar Rafter Or Joist.....	2.48	1.28
06 11 16 00-0041	LF	2" x 12" Cedar Rafter Or Joist.....	2.80	1.46

06 11 16 00-0042 Oak Rafters Or Joists (06 11 16 00-0031)

06 11 16 00-0043	LF	2" x 6" Oak Rafter Or Joist.....	2.37	0.91
06 11 16 00-0044	LF	2" x 8" Oak Rafter Or Joist.....	3.26	1.00
06 11 16 00-0045	LF	2" x 10" Oak Rafter Or Joist.....	4.25	1.28
06 11 16 00-0046	LF	2" x 12" Oak Rafter Or Joist.....	5.25	1.46

06 11 16 00-0047 Framing (06 11 16)**06 11 16 00-0048 Partition Framing (06 11 16 00-0047)**

06 11 16 00-0049	LF	2" x 4" Wood Stud Framing, For Partition Walls.....	1.48	0.73
06 11 16 00-0050	LF	2" x 6" Wood Stud Framing, For Partition Walls.....	1.83	0.77
06 11 16 00-0051	LF	2" x 8" Wood Stud Framing, For Partition Walls.....	2.18	0.82
06 11 16 00-0052	LF	2" x 4" Pressure Treated Wood Stud Framing, For Partition Walls.....	1.69	0.73
06 11 16 00-0053	LF	2" x 6" Pressure Treated Wood Stud Framing, For Partition Walls.....	2.19	0.77
06 11 16 00-0054	LF	2" x 8" Pressure Treated Wood Stud Framing, For Partition Walls.....	2.67	0.82

06 11 16 00-0055 Wall Framing Assemblies By The SF (06 11 16 00-0047)

Note: Includes single bottom and double top plates, center support bracing, vertical studs and appropriate fastening devices. Excludes blocking for wall mounted fixtures or cabinets. Do not deduct for openings of less than 25 SF when calculating total wall square footage.



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 11 16 00-0056 Wall Framing By The SF, 12" On Center <small>(06 11 16 00-0055)</small>		
06 11 16 00-0057 SF 2" x 4" Wood Wall Framing At 12" On Center.....	1.93	0.88
For Up To 200, Add	0.65	
For >200 To 500, Add	0.32	
06 11 16 00-0058 SF 2" x 6" Wood Wall Framing At 12" On Center.....	2.60	1.13
For Up To 200, Add	0.85	
For >200 To 500, Add	0.43	
06 11 16 00-0059 SF 2" x 8" Wood Wall Framing At 12" On Center.....	3.48	1.51
For Up To 200, Add	1.14	
For >200 To 500, Add	0.57	
06 11 16 00-0060 Wall Framing By The SF, 16" On Center <small>(06 11 16 00-0055)</small>		
06 11 16 00-0061 SF 2" x 4" Wood Wall Framing At 16" On Center.....	1.57	0.71
For Up To 200, Add	0.52	
For >200 To 500, Add	0.26	
06 11 16 00-0062 SF 2" x 6" Wood Wall Framing At 16" On Center.....	2.16	0.94
For Up To 200, Add	0.71	
For >200 To 500, Add	0.35	
06 11 16 00-0063 SF 2" x 8" Wood Wall Framing At 16" On Center.....	2.90	1.26
For Up To 200, Add	0.95	
For >200 To 500, Add	0.48	
06 11 16 00-0064 Wall Framing By The SF, 24" On Center <small>(06 11 16 00-0055)</small>		
06 11 16 00-0065 SF 2" x 4" Wood Wall Framing At 24" On Center.....	1.23	0.56
For Up To 200, Add	0.41	
For >200 To 500, Add	0.21	
06 11 16 00-0066 SF 2" x 6" Wood Wall Framing At 24" On Center.....	1.70	0.73
For Up To 200, Add	0.56	
For >200 To 500, Add	0.28	
06 11 16 00-0067 SF 2" x 8" Wood Wall Framing At 24" On Center.....	2.27	0.97
For Up To 200, Add	0.74	
For >200 To 500, Add	0.37	
06 11 16 00-0068 Sills And Plates <small>(06 11 16)</small>		
06 11 16 00-0069 Sills <small>(06 11 16 00-0068)</small>		
Note: A horizontal member which rests on and is attached to the foundation.		
06 11 16 00-0070 LF 2" x 4" Wood Sill.....	2.49	1.37
06 11 16 00-0071 LF 2" x 6" Wood Sill.....	3.01	1.55
06 11 16 00-0072 LF 2" x 8" Wood Sill.....	3.62	1.73
06 11 16 00-0073 LF 2" x 4" Pressure Treated Wood Sill.....	2.70	1.37
06 11 16 00-0074 LF 2" x 6" Pressure Treated Wood Sill.....	3.37	1.55
06 11 16 00-0075 LF 2" x 8" Pressure Treated Wood Sill.....	4.11	1.73
06 11 16 00-0076 Plates <small>(06 11 16 00-0068)</small>		
Note: A horizontal member connecting and terminating studs, posts, joists, rafters, etc. such as the top and bottom plate on a stud framed partition wall.		
06 11 16 00-0077 LF 2" x 4" Wood Plate.....	2.49	1.37
06 11 16 00-0078 LF 2" x 6" Wood Plate.....	3.01	1.55
06 11 16 00-0079 LF 2" x 8" Wood Plate.....	3.59	1.73
06 11 16 00-0080 LF 2" x 4" Pressure Treated Wood Plate.....	2.70	1.37
06 11 16 00-0081 LF 2" x 6" Pressure Treated Wood Plate.....	3.37	1.55
06 11 16 00-0082 LF 2" x 8" Pressure Treated Wood Plate.....	4.08	1.73
06 11 16 00-0083 Sills And Plates From Redwood <small>(06 11 16 00-0068)</small>		
06 11 16 00-0084 Construction Grade/Rough <small>(06 11 16 00-0083)</small>		
06 11 16 00-0085 LF 2" x 6" Redwood, Construction Grade/Rough.....	3.91	1.55
06 11 16 00-0086 LF 2" x 8" Redwood, Construction Grade/Rough.....	5.05	1.73
06 11 16 00-0087 LF 2" x 10" Redwood, Construction Grade/Rough.....	6.12	1.92
06 11 16 00-0088 LF 2" x 12" Redwood, Construction Grade/Rough.....	7.38	2.10
06 11 16 00-0089 Con Heart/Smooth <small>(06 11 16 00-0083)</small>		
06 11 16 00-0090 LF 2" x 6" Redwood, Con Heart/Smooth.....	4.60	1.55
06 11 16 00-0091 LF 2" x 8" Redwood, Con Heart/Smooth.....	6.09	1.73
06 11 16 00-0092 LF 2" x 10" Redwood, Con Heart/Smooth.....	7.89	1.92
06 11 16 00-0093 LF 2" x 12" Redwood, Con Heart/Smooth.....	9.47	2.10
06 11 16 00-0094 Suspended Ceiling Framing <small>(06 11 16)</small>		
06 11 16 00-0095 LF 1" x 2" Wood Suspended Ceiling Framing.....	2.02	1.19
06 11 16 00-0096 LF 1" x 3" Wood Suspended Ceiling Framing.....	2.22	1.28
06 11 16 00-0097 LF 2" x 2" Wood Suspended Ceiling Framing.....	2.41	1.37
06 11 16 00-0098 LF 2" x 4" Wood Suspended Ceiling Framing.....	2.85	1.55
06 11 16 00-0099 LF 1" x 2" Pressure Treated Wood Suspended Ceiling Framing.....	2.21	1.19

06 Wood, Plastics, and Composites**06 10 Rough Carpentry****06 11 Wood Framing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 11 16 00-0100	LF		1" x 3" Pressure Treated Wood Suspended Ceiling Framing	2.21	1.28
06 11 16 00-0101	LF		2" x 2" Pressure Treated Wood Suspended Ceiling Framing	2.60	1.37
06 11 16 00-0102	LF		2" x 4" Pressure Treated Wood Suspended Ceiling Framing	3.02	1.55
06 11 16 00-0103			Posts And Girts (06 11 16)		
06 11 16 00-0104			Posts (06 11 16 00-0103)		
			Note: A vertical, upright framing member.		
06 11 16 00-0105	LF		4" x 4" Wood Post	3.50	1.73
06 11 16 00-0106	LF		4" x 5" Wood Post	3.99	2.01
06 11 16 00-0107	LF		4" x 6" Wood Post	4.39	2.19
06 11 16 00-0108	LF		6" x 6" Wood Post	4.89	2.37
06 11 16 00-0109	LF		8" x 8" Wood Post	5.38	2.46
06 11 16 00-0110	LF		10" x 10" Wood Post	5.88	2.83
06 11 16 00-0111	LF		4" x 4" Pressure Treated Wood Post	4.30	1.73
06 11 16 00-0112	LF		4" x 6" Pressure Treated Wood Post	5.54	2.19
06 11 16 00-0113	LF		6" x 6" Pressure Treated Wood Post	7.02	2.37
06 11 16 00-0114			Girts (06 11 16 00-0103)		
			Note: A horizontal member at intermediate level between columns, studs, or posts.		
06 11 16 00-0115	LF		2" x 4" Wood Girt	1.75	0.66
06 11 16 00-0116	LF		2" x 6" Wood Girt	2.17	0.72
06 11 16 00-0117	LF		2" x 8" Wood Girt	2.62	0.79
06 11 16 00-0118	LF		2" x 10" Wood Girt	3.19	0.87
06 11 16 00-0119	LF		4" x 4" Wood Girt	3.40	1.31
06 11 16 00-0120	LF		4" x 5" Wood Girt	3.89	1.48
06 11 16 00-0121	LF		4" x 6" Wood Girt	4.37	1.64
06 11 16 00-0122	LF		6" x 6" Wood Girt	4.87	1.80
06 11 16 00-0123	LF		8" x 8" Wood Girt	5.36	1.97
06 11 16 00-0124	LF		10" x 10" Wood Girt	5.86	2.14
06 11 16 00-0125	LF		2" x 4" Pressure Treated Wood Girt	1.96	0.66
06 11 16 00-0126	LF		2" x 6" Pressure Treated Wood Girt	2.53	0.72
06 11 16 00-0127	LF		2" x 8" Pressure Treated Wood Girt	3.11	0.79
06 11 16 00-0128	LF		2" x 10" Pressure Treated Wood Girt	3.65	0.87
06 11 16 00-0129	LF		4" x 4" Pressure Treated Wood Girt	4.30	1.31
06 11 16 00-0130	LF		4" x 6" Pressure Treated Wood Girt	5.54	1.64
06 11 16 00-0131	LF		6" x 6" Pressure Treated Wood Girt	7.02	1.80
06 11 16 00-0132			Construction Grade/Rough Redwood Posts (06 11 16 00-0103)		
06 11 16 00-0133	LF		4" x 4" Redwood, Construction Grade/Rough Post	5.76	1.73
			For Smooth "Clear", Add	0.63	
06 11 16 00-0134	LF		4" x 5" Redwood, Construction Grade/Rough Post	6.87	2.01
			For Smooth "Clear", Add	0.78	
06 11 16 00-0135	LF		4" x 6" Redwood, Construction Grade/Rough Post	7.99	2.19
			For Smooth "Clear", Add	0.94	
06 11 16 00-0136	LF		4" x 8" Redwood, Construction Grade/Rough Post	9.71	2.25
			For Smooth "Clear", Add	1.26	
06 11 16 00-0137	LF		4" x 10" Redwood, Construction Grade/Rough Post	11.49	2.39
			For Smooth "Clear", Add	1.57	
06 11 16 00-0138	LF		6" x 6" Redwood, Construction Grade/Rough Post	10.68	2.37
			For Smooth "Clear", Add	1.41	
06 11 16 00-0139	LF		6" x 8" Redwood, Construction Grade/Rough Post	13.18	2.46
			For Smooth "Clear", Add	1.89	
06 11 16 00-0140	LF		6" x 10" Redwood, Construction Grade/Rough Post	15.63	2.31
			For Smooth "Clear", Add	2.36	
06 11 16 00-0141	LF		8" x 8" Redwood, Construction Grade/Rough Post	16.51	2.46
			For Smooth "Clear", Add	2.51	
06 11 16 00-0142			Stair Stringers (06 11 16)		
			See CSI section 06 43 13 00-0001 for treads and risers.		
06 11 16 00-0143	LF		2" x 10" Wood Stair Stringer	6.87	3.64
06 11 16 00-0144	LF		2" x 12" Wood Stair Stringer	8.15	4.28
06 11 16 00-0145	LF		2" x 10" Pressure Treated Wood Stair Stringer	7.36	3.64
06 11 16 00-0146	LF		2" x 12" Pressure Treated Wood Stair Stringer	8.85	4.28
06 11 16 00-0147			Blocking (06 11 16)		
06 11 16 00-0148			Blocking (06 11 16 00-0147)		
06 11 16 00-0149			Blocking To Wood (06 11 16 00-0148)		
06 11 16 00-0150	LF		2" x 4" Pressure Treated Wood Blocking To Wood	5.32	2.19
06 11 16 00-0151	LF		2" x 6" Pressure Treated Wood Blocking To Wood	6.38	2.40
06 11 16 00-0152	LF		2" x 8" Pressure Treated Wood Blocking To Wood	7.32	2.64
06 11 16 00-0153	LF		4" x 4" Pressure Treated Wood Blocking To Wood	8.55	2.91
06 11 16 00-0154	LF		4" x 6" Pressure Treated Wood Blocking To Wood	9.18	3.20
06 11 16 00-0155	LF		2" x 4" Wood Blocking To Wood	4.82	2.19
06 11 16 00-0156	LF		2" x 6" Wood Blocking To Wood	5.54	2.40



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 11 16 00-0157 LF 2" x 8" Wood Blocking To Wood.....	6.33	2.64
06 11 16 00-0158 LF 4" x 4" Wood Blocking To Wood.....	6.70	2.91
06 11 16 00-0159 LF 4" x 6" Wood Blocking To Wood.....	7.52	3.20
06 11 16 00-0160 Blocking To Steel (06 11 16 00-0148)		
06 11 16 00-0161 LF 2" x 4" Pressure Treated Wood Blocking To Steel.....	6.07	2.51
06 11 16 00-0162 LF 2" x 6" Pressure Treated Wood Blocking To Steel.....	7.26	2.77
06 11 16 00-0163 LF 2" x 8" Pressure Treated Wood Blocking To Steel.....	8.31	3.04
06 11 16 00-0164 LF 2" x 4" Wood Blocking To Steel.....	5.51	2.51
06 11 16 00-0165 LF 2" x 6" Wood Blocking To Steel.....	6.33	2.77
06 11 16 00-0166 LF 2" x 8" Wood Blocking To Steel.....	7.22	3.04
06 11 16 00-0167 Blocking To Concrete (06 11 16 00-0148)		
06 11 16 00-0168 LF 2" x 4" Pressure Treated Wood Blocking To Concrete.....	6.07	2.51
06 11 16 00-0169 LF 2" x 6" Pressure Treated Wood Blocking To Concrete.....	7.26	2.77
06 11 16 00-0170 LF 2" x 8" Pressure Treated Wood Blocking To Concrete.....	8.31	3.04
06 11 16 00-0171 LF 2" x 4" Wood Blocking To Concrete.....	5.51	2.51
06 11 16 00-0172 LF 2" x 6" Wood Blocking To Concrete.....	6.33	2.77
06 11 16 00-0173 LF 2" x 8" Wood Blocking To Concrete.....	7.22	3.04
06 11 16 00-0174 Pressure Treated Lattice (06 11 16 00-0147)		
06 11 16 00-0175 SF 3/4" Thick Pressure Treated Wood Lattice.....	5.78	1.92
06 11 16 00-0176 Roofing Nailers (06 11 16)		
06 11 16 00-0177 LF 2" x 4" Pressure Treated Lumber, For Roofing Nailers.....	2.75	0.73
06 11 16 00-0178 LF 2" x 6" Pressure Treated Lumber, For Roofing Nailers.....	3.28	0.77
06 11 16 00-0179 LF 2" x 8" Pressure Treated Lumber, For Roofing Nailers.....	3.81	0.82
06 11 16 00-0180 Roofing Sleepers (06 11 16)		
06 11 16 00-0181 LF 2" x 4" Pressure Treated Lumber, For Roofing Sleepers.....	1.33	
06 11 16 00-0182 LF 4" x 4" Pressure Treated Lumber, For Roofing Sleepers.....	3.00	
06 11 16 00-0183 LF 4" x 6" Pressure Treated Lumber, For Roofing Sleepers.....	3.91	
06 11 16 00-0184 LF 6" x 6" Pressure Treated Lumber, For Roofing Sleepers.....	5.23	
06 11 16 00-0185 Canopy Framing, Bridging, And Furring (06 11 16)		
06 11 16 00-0186 Wood And Steel Bridging (06 11 16 00-0185)		
06 11 16 00-0187 Wood Bridging (06 11 16 00-0186)		
06 11 16 00-0188 EA 1 Pair Wood Bridging, 1" x 3" Cross Type.....	7.39	3.19
Note: For joists spaced at 16" on center.		
06 11 16 00-0189 EA 1 Pair Wood Bridging, 2" x 3" Cross Type.....	7.63	3.19
Note: For joists spaced at 16" on center.		
06 11 16 00-0190 Steel Bridging (06 11 16 00-0186)		
06 11 16 00-0191 EA 1 Pair Steel Bridging, Wood Joists At 16" On Center.....	8.31	3.19
06 11 16 00-0192 EA 1 Pair Steel Bridging, Wood Joists At 24" On Center.....	8.29	3.19
06 11 16 00-0193 Light Framing, Trim And Furring (06 11 16 00-0185)		
06 11 16 00-0194 Pine/Spruce/Fir Light Framing, Trim And Furring (06 11 16 00-0193)		
06 11 16 00-0195 LF 1" x 1" Pine/Spruce/Fir Light Framing, Trim And Furring.....	1.63	0.75
06 11 16 00-0196 LF 1" x 2" Pine/Spruce/Fir Light Framing, Trim And Furring.....	1.84	0.82
06 11 16 00-0197 LF 1" x 4" Pine/Spruce/Fir Light Framing, Trim And Furring.....	2.12	0.90
06 11 16 00-0198 LF 1" x 6" Pine/Spruce/Fir Light Framing, Trim And Furring.....	2.37	0.99
06 11 16 00-0199 LF 1" x 8" Pine/Spruce/Fir Light Framing, Trim And Furring.....	2.63	1.10
06 11 16 00-0200 LF 1" x 10" Pine/Spruce/Fir Light Framing, Trim And Furring.....	2.91	1.21
06 11 16 00-0201 LF 2" x 2" Pine/Spruce/Fir Light Framing, Trim And Furring.....	2.39	0.99
06 11 16 00-0202 LF 2" x 4" Pine/Spruce/Fir Light Framing, Trim And Furring.....	2.67	1.10
06 11 16 00-0203 LF 2" x 6" Pine/Spruce/Fir Light Framing, Trim And Furring.....	3.13	1.21
06 11 16 00-0204 LF 2" x 8" Pine/Spruce/Fir Light Framing, Trim And Furring.....	3.69	1.32
06 11 16 00-0205 LF 2" x 10" Pine/Spruce/Fir Light Framing, Trim And Furring.....	4.35	1.46
06 11 16 00-0206 Cedar Light Framing, Trim And Furring (06 11 16 00-0193)		
06 11 16 00-0207 LF 1" x 1" Cedar Light Framing, Trim And Furring.....	1.65	0.75
06 11 16 00-0208 LF 1" x 2" Cedar Light Framing, Trim And Furring.....	1.96	0.82
06 11 16 00-0209 LF 1" x 4" Cedar Light Framing, Trim And Furring.....	2.59	0.90
06 11 16 00-0210 LF 1" x 6" Cedar Light Framing, Trim And Furring.....	3.17	0.99
06 11 16 00-0211 LF 1" x 8" Cedar Light Framing, Trim And Furring.....	4.74	1.10
06 11 16 00-0212 LF 1" x 10" Cedar Light Framing, Trim And Furring.....	5.58	1.21
06 11 16 00-0213 LF 2" x 2" Cedar Light Framing, Trim And Furring.....	2.69	0.99

06 Wood, Plastics, and Composites**06 10 Rough Carpentry****06 11 Wood Framing**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 11 16 00-0214 LF 2" x 4" Cedar Light Framing, Trim And Furring	3.12	1.10
06 11 16 00-0215 Oak Light Framing, Trim And Furring (06 11 16 00-0193)		
06 11 16 00-0216 LF 1" x 1" Oak Light Framing, Trim And Furring	1.66	0.75
06 11 16 00-0217 LF 1" x 2" Oak Light Framing, Trim And Furring	1.98	0.82
06 11 16 00-0218 LF 1" x 4" Oak Light Framing, Trim And Furring	2.47	0.90
06 11 16 00-0219 LF 1" x 6" Oak Light Framing, Trim And Furring	3.00	0.99
06 11 16 00-0220 LF 1" x 8" Oak Light Framing, Trim And Furring	3.53	1.10
06 11 16 00-0221 LF 1" x 10" Oak Light Framing, Trim And Furring	4.08	1.21
06 11 16 00-0222 LF 2" x 2" Oak Light Framing, Trim And Furring	2.66	0.99
06 11 16 00-0223 LF 2" x 4" Oak Light Framing, Trim And Furring	3.53	1.10
06 11 16 00-0224 Redwood Light Framing, Trim And Furring (06 11 16 00-0193)		
06 11 16 00-0225 LF 1" x 1" Redwood Light Framing, Trim And Furring	1.61	0.75
06 11 16 00-0226 LF 1" x 2" Redwood Light Framing, Trim And Furring	1.89	0.82
06 11 16 00-0227 LF 1" x 4" Redwood Light Framing, Trim And Furring	2.31	0.90
06 11 16 00-0228 LF 1" x 6" Redwood Light Framing, Trim And Furring	2.80	0.99
06 11 16 00-0229 LF 1" x 8" Redwood Light Framing, Trim And Furring	3.32	1.10
06 11 16 00-0230 LF 1" x 10" Redwood Light Framing, Trim And Furring	3.89	1.21
06 11 16 00-0231 LF 2" x 2" Redwood Light Framing, Trim And Furring	2.81	0.99
06 11 16 00-0232 LF 2" x 4" Redwood Light Framing, Trim And Furring	3.34	1.10
06 11 16 00-0233 Poplar Light Framing, Trim And Furring (06 11 16 00-0193)		
06 11 16 00-0234 LF 1" x 1" Poplar Light Framing, Trim And Furring	1.89	0.75
06 11 16 00-0235 LF 1" x 2" Poplar Light Framing, Trim And Furring	2.33	0.82
06 11 16 00-0236 LF 1" x 4" Poplar Light Framing, Trim And Furring	2.94	0.90
06 11 16 00-0237 LF 1" x 6" Poplar Light Framing, Trim And Furring	3.77	0.99
06 11 16 00-0238 LF 1" x 8" Poplar Light Framing, Trim And Furring	4.38	1.10
06 11 16 00-0239 LF 1" x 10" Poplar Light Framing, Trim And Furring	5.79	1.21
06 11 16 00-0240 LF 1" x 12" Poplar Light Framing, Trim And Furring	6.27	1.21
06 11 16 00-0241 LF 2" x 2" Poplar Light Framing, Trim And Furring	4.97	0.99
06 11 16 00-0242 LF 2" x 4" Poplar Light Framing, Trim And Furring	5.58	1.10
06 11 16 00-0243 LF 2" x 6" Poplar Light Framing, Trim And Furring	7.47	1.21
06 11 16 00-0244 Maple Light Framing, Trim And Furring (06 11 16 00-0193)		
06 11 16 00-0245 LF 1" x 4" Maple Light Framing, Trim And Furring	4.16	0.90
06 11 16 00-0246 LF 1" x 6" Maple Light Framing, Trim And Furring	5.67	0.99
06 11 16 00-0247 LF 1" x 8" Maple Light Framing, Trim And Furring	7.20	1.10
06 11 16 00-0248 Platform Edging (06 11 16)		
Note: Includes bolting to concrete surface.		
06 11 16 00-0249 LF 1" Wood Platform Edging, Including Bolts	16.20	5.94
06 11 16 00-0250 LF 2" Wood Platform Edging, Including Bolts	22.51	6.92
06 13 Heavy Timber Construction (06 10)		
06 13 23 Heavy Timber Framing (06 13)		
06 13 23 00-0001 Heavy Timber Framing (06 13 23)		
Note: Excludes fasteners.		
06 13 23 00-0002 Heavy Timber Beams (06 13 23 00-0001)		
06 13 23 00-0003 Pine, Heavy Timber Beams (06 13 23 00-0002)		
06 13 23 00-0004 LF 4" x 4", Pine, Heavy Timber Beam	4.44	1.61
06 13 23 00-0005 LF 4" x 6", Pine, Heavy Timber Beam	5.19	1.68
06 13 23 00-0006 LF 4" x 8", Pine, Heavy Timber Beam	5.93	1.75
06 13 23 00-0007 LF 4" x 10", Pine, Heavy Timber Beam	7.40	1.87
06 13 23 00-0008 LF 4" x 12", Pine, Heavy Timber Beam	8.63	1.98
06 13 23 00-0009 LF 6" x 6", Pine, Heavy Timber Beam	6.33	1.82
06 13 23 00-0010 LF 6" x 8", Pine, Heavy Timber Beam	7.40	1.92
06 13 23 00-0011 LF 6" x 10", Pine, Heavy Timber Beam	9.61	2.05
06 13 23 00-0012 LF 6" x 12", Pine, Heavy Timber Beam	11.19	2.10
06 13 23 00-0013 LF 8" x 8", Pine, Heavy Timber Beam	8.80	1.98
06 13 23 00-0014 LF 8" x 10", Pine, Heavy Timber Beam	11.45	2.05
06 13 23 00-0015 LF 8" x 12", Pine, Heavy Timber Beam	13.60	2.10
06 13 23 00-0016 LF 10" x 10", Pine, Heavy Timber Beam	13.47	2.10
06 13 23 00-0017 LF 10" x 12", Pine, Heavy Timber Beam	16.23	2.28
06 13 23 00-0018 LF 12" x 12", Pine, Heavy Timber Beam	19.02	2.50
06 13 23 00-0019 Douglas Fir, Heavy Timber Beams (06 13 23 00-0002)		
06 13 23 00-0020 LF 4" x 4", Douglas Fir, Heavy Timber Beam	4.56	1.61
06 13 23 00-0021 LF 4" x 6", Douglas Fir, Heavy Timber Beam	5.37	1.68
06 13 23 00-0022 LF 4" x 8", Douglas Fir, Heavy Timber Beam	6.18	1.75



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 13 23 00-0023	LF		4" x 10", Douglas Fir, Heavy Timber Beam.....	7.77	1.87
06 13 23 00-0024	LF		4" x 12", Douglas Fir, Heavy Timber Beam.....	9.09	1.98
06 13 23 00-0025	LF		6" x 6", Douglas Fir, Heavy Timber Beam.....	6.60	1.82
06 13 23 00-0026	LF		6" x 8", Douglas Fir, Heavy Timber Beam.....	7.76	1.92
06 13 23 00-0027	LF		6" x 10", Douglas Fir, Heavy Timber Beam.....	10.16	2.05
06 13 23 00-0028	LF		6" x 12", Douglas Fir, Heavy Timber Beam.....	11.90	2.10
06 13 23 00-0029	LF		8" x 8", Douglas Fir, Heavy Timber Beam.....	9.28	1.98
06 13 23 00-0030	LF		8" x 10", Douglas Fir, Heavy Timber Beam.....	12.18	2.05
06 13 23 00-0031	LF		8" x 12", Douglas Fir, Heavy Timber Beam.....	14.54	2.10
06 13 23 00-0032	LF		10" x 10", Douglas Fir, Heavy Timber Beam.....	14.38	2.10
06 13 23 00-0033	LF		10" x 12", Douglas Fir, Heavy Timber Beam.....	17.38	2.28
06 13 23 00-0034	LF		12" x 12", Douglas Fir, Heavy Timber Beam.....	20.41	2.50
06 13 23 00-0035			Pressure Treated, Heavy Timber Beams (06 13 23 00-0002)		
06 13 23 00-0036	LF		4" x 4", Pressure Treated, Heavy Timber Beam	4.39	1.61
06 13 23 00-0037	LF		4" x 6", Pressure Treated, Heavy Timber Beam	5.21	1.68
06 13 23 00-0038	LF		4" x 8", Pressure Treated, Heavy Timber Beam	5.93	1.75
06 13 23 00-0039	LF		4" x 10", Pressure Treated, Heavy Timber Beam	7.41	1.87
06 13 23 00-0040	LF		4" x 12", Pressure Treated, Heavy Timber Beam	8.63	1.98
06 13 23 00-0041	LF		6" x 6", Pressure Treated, Heavy Timber Beam	6.33	1.82
06 13 23 00-0042	LF		6" x 8", Pressure Treated, Heavy Timber Beam	6.66	1.92
06 13 23 00-0043	LF		6" x 10", Pressure Treated, Heavy Timber Beam	9.30	2.05
06 13 23 00-0044	LF		6" x 12", Pressure Treated, Heavy Timber Beam	11.01	2.10
06 13 23 00-0045	LF		8" x 8", Pressure Treated, Heavy Timber Beam	11.00	1.98
06 13 23 00-0046	LF		8" x 10", Pressure Treated, Heavy Timber Beam	12.54	2.05
06 13 23 00-0047	LF		8" x 12", Pressure Treated, Heavy Timber Beam	14.51	2.10
06 13 23 00-0048	LF		10" x 10", Pressure Treated, Heavy Timber Beam	14.57	2.10
06 13 23 00-0049	LF		10" x 12", Pressure Treated, Heavy Timber Beam	18.76	2.28
06 13 23 00-0050	LF		12" x 12", Pressure Treated, Heavy Timber Beam	22.06	2.50
06 13 23 00-0051			Heavy Timber Columns (06 13 23 00-0001)		
06 13 23 00-0052			Pine, Heavy Timber Columns (06 13 23 00-0051)		
06 13 23 00-0053	LF		4" x 4", Pine, Heavy Timber Column.....	2.91	0.85
06 13 23 00-0054	LF		4" x 6", Pine, Heavy Timber Column.....	3.61	0.90
06 13 23 00-0055	LF		4" x 8", Pine, Heavy Timber Column.....	4.27	0.92
06 13 23 00-0056	LF		4" x 10", Pine, Heavy Timber Column.....	5.64	0.98
06 13 23 00-0057	LF		4" x 12", Pine, Heavy Timber Column.....	6.76	1.04
06 13 23 00-0058	LF		6" x 6", Pine, Heavy Timber Column.....	4.63	0.95
06 13 23 00-0059	LF		6" x 8", Pine, Heavy Timber Column.....	5.62	0.99
06 13 23 00-0060	LF		6" x 10", Pine, Heavy Timber Column.....	7.67	1.07
06 13 23 00-0061	LF		6" x 12", Pine, Heavy Timber Column.....	9.21	1.11
06 13 23 00-0062	LF		8" x 8", Pine, Heavy Timber Column.....	6.93	1.04
06 13 23 00-0063	LF		8" x 10", Pine, Heavy Timber Column.....	9.51	1.07
06 13 23 00-0064	LF		8" x 12", Pine, Heavy Timber Column.....	11.58	1.13
06 13 23 00-0065	LF		10" x 10", Pine, Heavy Timber Column.....	11.44	1.13
06 13 23 00-0066	LF		10" x 12", Pine, Heavy Timber Column.....	14.07	1.20
06 13 23 00-0067	LF		12" x 12", Pine, Heavy Timber Column.....	16.65	1.32
06 13 23 00-0068			Douglas Fir, Heavy Timber Columns (06 13 23 00-0051)		
06 13 23 00-0069	LF		4" x 4", Douglas Fir, Heavy Timber Column.....	3.03	0.85
06 13 23 00-0070	LF		4" x 6", Douglas Fir, Heavy Timber Column.....	3.79	0.90
06 13 23 00-0071	LF		4" x 8", Douglas Fir, Heavy Timber Column.....	4.52	0.92
06 13 23 00-0072	LF		4" x 10", Douglas Fir, Heavy Timber Column.....	6.01	0.98
06 13 23 00-0073	LF		4" x 12", Douglas Fir, Heavy Timber Column.....	7.22	1.04
06 13 23 00-0074	LF		6" x 6", Douglas Fir, Heavy Timber Column.....	4.90	0.95
06 13 23 00-0075	LF		6" x 8", Douglas Fir, Heavy Timber Column.....	5.98	0.99
06 13 23 00-0076	LF		6" x 10", Douglas Fir, Heavy Timber Column.....	8.22	1.07
06 13 23 00-0077	LF		6" x 12", Douglas Fir, Heavy Timber Column.....	9.92	1.11
06 13 23 00-0078	LF		8" x 8", Douglas Fir, Heavy Timber Column.....	7.41	1.04
06 13 23 00-0079	LF		8" x 10", Douglas Fir, Heavy Timber Column.....	10.24	1.07
06 13 23 00-0080	LF		8" x 12", Douglas Fir, Heavy Timber Column.....	12.52	1.13
06 13 23 00-0081	LF		10" x 10", Douglas Fir, Heavy Timber Column.....	12.35	1.13
06 13 23 00-0082	LF		10" x 12", Douglas Fir, Heavy Timber Column.....	15.22	1.20
06 13 23 00-0083	LF		12" x 12", Douglas Fir, Heavy Timber Column.....	18.04	1.32
06 13 23 00-0084			Pressure Treated, Heavy Timber Columns (06 13 23 00-0051)		
06 13 23 00-0085	LF		4" x 4", Pressure Treated, Heavy Timber Column	2.86	0.85
06 13 23 00-0086	LF		4" x 6", Pressure Treated, Heavy Timber Column	3.63	0.90
06 13 23 00-0087	LF		4" x 8", Pressure Treated, Heavy Timber Column	4.27	0.92
06 13 23 00-0088	LF		4" x 10", Pressure Treated, Heavy Timber Column	5.65	0.98
06 13 23 00-0089	LF		4" x 12", Pressure Treated, Heavy Timber Column	6.76	1.04
06 13 23 00-0090	LF		6" x 6", Pressure Treated, Heavy Timber Column	4.63	0.95
06 13 23 00-0091	LF		6" x 8", Pressure Treated, Heavy Timber Column	4.88	0.99
06 13 23 00-0092	LF		6" x 10", Pressure Treated, Heavy Timber Column	7.36	1.07
06 13 23 00-0093	LF		6" x 12", Pressure Treated, Heavy Timber Column	9.03	1.11
06 13 23 00-0094	LF		8" x 8", Pressure Treated, Heavy Timber Column	9.13	1.04

06 Wood, Plastics, and Composites**06 10 Rough Carpentry****06 13 Heavy Timber Construction**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 13 23 00-0095 LF 8" x 10", Pressure Treated, Heavy Timber Column	10.60	1.07
06 13 23 00-0096 LF 8" x 12", Pressure Treated, Heavy Timber Column	12.49	1.13
06 13 23 00-0097 LF 10" x 10", Pressure Treated, Heavy Timber Column	12.54	1.13
06 13 23 00-0098 LF 10" x 12", Pressure Treated, Heavy Timber Column	16.60	1.20
06 13 23 00-0099 LF 12" x 12", Pressure Treated, Heavy Timber Column	19.69	1.32
06 15 Wood Decking (06 10)		
06 15 13 Wood Floor Decking (06 15)		
06 15 13 00-0001 Wood Deck Systems (06 15 13)		
Note: Includes the deck, joists, girders, posts (8' O.C.), pickets and railing.		
06 15 13 00-0002 Pressure Treated Wood Deck System (06 15 13 00-0001)		
06 15 13 00-0003 2" x 8" Joists At 16" On Center, Pressure Treated Wood Deck System (06 15 13 00-0002)		
06 15 13 00-0004 SF 5/4" x 4" Pressure Treated Decking, 2" x 8" Pressure Treated Joists 16" On Center, Wood Deck System	32.75	5.98
06 15 13 00-0005 SF 5/4" x 6" Pressure Treated Decking, 2" x 8" Pressure Treated Joists 16" On Center, Wood Deck System	31.92	5.69
06 15 13 00-0006 SF 2" x 4" Pressure Treated Decking, 2" x 8" Pressure Treated Joists 16" On Center, Wood Deck System	34.13	6.13
06 15 13 00-0007 SF 2" x 6" Pressure Treated Decking, 2" x 8" Pressure Treated Joists 16" On Center, Wood Deck System	33.33	5.83
06 15 13 00-0008 2" x 10" Joists At 16" On Center, Pressure Treated Wood Deck System (06 15 13 00-0002)		
06 15 13 00-0009 SF 5/4" x 4" Pressure Treated Decking, 2" x 10" Pressure Treated Joists 16" On Center, Wood Deck System	33.97	6.13
06 15 13 00-0010 SF 5/4" x 6" Pressure Treated Decking, 2" x 10" Pressure Treated Joists 16" On Center, Wood Deck System	33.11	5.82
06 15 13 00-0011 SF 2" x 4" Pressure Treated Decking, 2" x 10" Pressure Treated Joists 16" On Center, Wood Deck System	35.36	6.29
06 15 13 00-0012 SF 2" x 6" Pressure Treated Decking, 2" x 10" Pressure Treated Joists 16" On Center	34.54	5.97
06 15 13 00-0013 2" x 10" Joists At 24" On Center, Pressure Treated Wood Deck System (06 15 13 00-0002)		
06 15 13 00-0014 SF 5/4" x 4" Pressure Treated Decking, 2" x 10" Pressure Treated Joists 24" On Center, Wood Deck System	32.75	5.98
06 15 13 00-0015 SF 5/4" x 6" Pressure Treated Decking, 2" x 10" Pressure Treated Joists 24" On Center, Wood Deck System	31.92	5.69
06 15 13 00-0016 SF 2" x 4" Pressure Treated Decking, 2" x 10" Pressure Treated Joists 24" On Center, Wood Deck System	34.13	6.13
06 15 13 00-0017 SF 2" x 6" Pressure Treated Decking, 2" x 10" Pressure Treated Joists 24" On Center, Wood Deck System	33.33	5.83
06 15 13 00-0018 Redwood With Pressure Treated Joists, Wood Deck System (06 15 13 00-0001)		
06 15 13 00-0019 2" x 8" Joists At 16" On Center, Redwood With Pressure Treated Joists, Wood Deck System (06 15 13 00-0018)		
06 15 13 00-0020 SF 5/4" x 4" Redwood Decking, 2" x 8" Pressure Treated Joists 16" On Center, Wood Deck System	35.80	5.98
06 15 13 00-0021 SF 5/4" x 6" Redwood Decking, 2" x 8" Pressure Treated Joists 16" On Center, Wood Deck System	35.11	5.69
06 15 13 00-0022 SF 2" x 4" Redwood Decking, 2" x 8" Pressure Treated Joists 16" On Center, Wood Deck System	37.95	6.13
06 15 13 00-0023 SF 2" x 6" Redwood Decking, 2" x 8" Pressure Treated Joists 16" On Center, Wood Deck System	36.93	5.83
06 15 13 00-0024 2" x 10" Joists At 16" On Center, Redwood With Pressure Treated Joists, Wood Deck System (06 15 13 00-0018)		
06 15 13 00-0025 SF 5/4" x 4" Redwood Decking, 2" x 10" Pressure Treated Joists 16" On Center, Wood Deck System	38.75	6.13
06 15 13 00-0026 SF 5/4" x 6" Redwood Decking, 2" x 10" Pressure Treated Joists 16" On Center, Wood Deck System	38.03	5.82
06 15 13 00-0027 SF 2" x 4" Redwood Decking, 2" x 10" Pressure Treated Joists 16" On Center, Wood Deck System	41.08	6.29
06 15 13 00-0028 SF 2" x 6" Redwood Decking, 2" x 10" Pressure Treated Joists 16" On Center, Wood Deck System	40.07	5.97
06 15 13 00-0029 2" x 10" Joists At 24" On Center, Redwood With Pressure Treated Joists, Wood Deck System (06 15 13 00-0018)		
06 15 13 00-0030 SF 5/4" x 4" Redwood Decking, 2" x 10" Pressure Treated Joists 24" On Center, Wood Deck System	37.03	5.98
06 15 13 00-0031 SF 5/4" x 6" Redwood Decking, 2" x 10" Pressure Treated Joists 24" On Center, Wood Deck System	36.34	5.69
06 15 13 00-0032 SF 2" x 4" Redwood Decking, 2" x 10" Pressure Treated Joists 24" On Center, Wood Deck System	39.25	6.13
06 15 13 00-0033 SF 2" x 6" Redwood Decking, 2" x 10" Pressure Treated Joists 24" On Center, Wood Deck System	39.21	5.83
06 15 13 00-0034 Wood Ramp Systems (06 15 13)		
Note: Includes the decking, joists, girders, posts at corners and along ramp, pickets and railing.		
06 15 13 00-0035 Pressure Treated Wood Ramp System (06 15 13 00-0034)		
06 15 13 00-0036 2" x 6" Joists, Pressure Treated Wood Ramp System (06 15 13 00-0035)		
06 15 13 00-0037 SF 5/4" x 4" Pressure Treated Decking, 2" x 6" Pressure Treated Joists, Wood Ramp System	37.47	5.83
06 15 13 00-0038 SF 5/4" x 6" Pressure Treated Decking, 2" x 6" Pressure Treated Joists, Wood Ramp System	36.35	5.54
06 15 13 00-0039 SF 2" x 4" Pressure Treated Decking, 2" x 6" Pressure Treated Joists, Wood Ramp System	38.92	5.98
06 15 13 00-0040 SF 2" x 6" Pressure Treated Decking, 2" x 6" Pressure Treated Joists, Wood Ramp System	37.83	5.69
06 15 13 00-0041 2" x 8" Joists, Pressure Treated Wood Ramp System (06 15 13 00-0035)		
06 15 13 00-0042 SF 5/4" x 4" Pressure Treated Decking, 2" x 8" Pressure Treated Joists, Wood Ramp System	38.73	5.98
06 15 13 00-0043 SF 5/4" x 6" Pressure Treated Decking, 2" x 8" Pressure Treated Joists, Wood Ramp System	37.61	5.69
06 15 13 00-0044 SF 2" x 4" Pressure Treated Decking, 2" x 8" Pressure Treated Joists, Wood Ramp System	40.26	6.13
06 15 13 00-0045 SF 2" x 6" Pressure Treated Decking, 2" x 8" Pressure Treated Joists, Wood Ramp System	39.16	5.83



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 15 13 00-0046				2" x 10" Joists, Pressure Treated Wood Ramp System <small>(06 15 13 00-0035)</small>		
06 15 13 00-0047	SF			5/4" x 4" Pressure Treated Decking, 2" x 10" Pressure Treated Joists, Wood Ramp System	40.08	6.12
06 15 13 00-0048	SF			5/4" x 6" Pressure Treated Decking, 2" x 10" Pressure Treated Joists, Wood Ramp System	38.95	5.82
06 15 13 00-0049	SF			2" x 4" Pressure Treated Decking, 2" x 10" Pressure Treated Joists, Wood Ramp System	41.65	6.29
06 15 13 00-0050	SF			2" x 6" Pressure Treated Decking, 2" x 10" Pressure Treated Joists, Wood Ramp System	40.52	5.97
06 15 13 00-0051				Redwood With Pressure Treated Joists, Wood Ramp System <small>(06 15 13 00-0034)</small>		
06 15 13 00-0052				2" x 6" Joists, Redwood With Pressure Treated Joists, Wood Ramp System <small>(06 15 13 00-0051)</small>		
06 15 13 00-0053	SF			5/4" x 4" Redwood Decking, 2" x 6" Pressure Treated Joists, Wood Ramp System.....	40.33	5.83
06 15 13 00-0054	SF			5/4" x 6" Redwood Decking, 2" x 6" Pressure Treated Joists, Wood Ramp System.....	39.35	5.54
06 15 13 00-0055	SF			2" x 4" Redwood Decking, 2" x 6" Pressure Treated Joists, Wood Ramp System.....	42.51	5.98
06 15 13 00-0056	SF			2" x 6" Redwood Decking, 2" x 6" Pressure Treated Joists, Wood Ramp System.....	41.21	5.69
06 15 13 00-0057				2" x 8" Joists, Redwood With Pressure Treated Joists, Wood Ramp System <small>(06 15 13 00-0051)</small>		
06 15 13 00-0058	SF			5/4" x 4" Redwood Decking, 2" x 8" Pressure Treated Joists, Wood Ramp System.....	41.78	5.98
06 15 13 00-0059	SF			5/4" x 6" Redwood Decking, 2" x 8" Pressure Treated Joists, Wood Ramp System.....	40.80	5.69
06 15 13 00-0060	SF			2" x 4" Redwood Decking, 2" x 8" Pressure Treated Joists, Wood Ramp System.....	44.08	6.13
06 15 13 00-0061	SF			2" x 6" Redwood Decking, 2" x 8" Pressure Treated Joists, Wood Ramp System.....	42.76	5.83
06 15 13 00-0062				2" x 10" Joists, Redwood With Pressure Treated Joists, Wood Ramp System <small>(06 15 13 00-0051)</small>		
06 15 13 00-0063	SF			5/4" x 4" Redwood Decking, 2" x 10" Pressure Treated Joists, Wood Ramp System.....	44.88	6.12
06 15 13 00-0064	SF			5/4" x 6" Redwood Decking, 2" x 10" Pressure Treated Joists, Wood Ramp System.....	43.87	5.82
06 15 13 00-0065	SF			2" x 4" Redwood Decking, 2" x 10" Pressure Treated Joists, Wood Ramp System.....	47.38	6.29
06 15 13 00-0066	SF			2" x 6" Redwood Decking, 2" x 10" Pressure Treated Joists, Wood Ramp System.....	46.68	5.97
06 15 13 00-0067				Cedar With Pressure Treated Joists, Wood Ramp System <small>(06 15 13 00-0034)</small>		
06 15 13 00-0068				2" x 6" Joists, Cedar With Pressure Treated Joists, Wood Ramp System <small>(06 15 13 00-0067)</small>		
06 15 13 00-0069	SF			5/4" x 4" Cedar Decking, 2" x 6" Pressure Treated Joists, Wood Ramp System	38.48	5.83
06 15 13 00-0070	SF			5/4" x 6" Cedar Decking, 2" x 6" Pressure Treated Joists, Wood Ramp System	37.41	5.54
06 15 13 00-0071	SF			2" x 4" Cedar Decking, 2" x 6" Pressure Treated Joists, Wood Ramp System	40.02	5.98
06 15 13 00-0072	SF			2" x 6" Cedar Decking, 2" x 6" Pressure Treated Joists, Wood Ramp System	38.98	5.69
06 15 13 00-0073				2" x 8" Joists, Cedar With Pressure Treated Joists, Wood Ramp System <small>(06 15 13 00-0067)</small>		
06 15 13 00-0074	SF			5/4" x 4" Cedar Decking, 2" x 8" Pressure Treated Joists, Wood Ramp System	39.81	5.98
06 15 13 00-0075	SF			5/4" x 6" Cedar Decking, 2" x 8" Pressure Treated Joists, Wood Ramp System	38.74	5.69
06 15 13 00-0076	SF			2" x 4" Cedar Decking, 2" x 8" Pressure Treated Joists, Wood Ramp System	41.43	6.13
06 15 13 00-0077	SF			2" x 6" Cedar Decking, 2" x 8" Pressure Treated Joists, Wood Ramp System	40.39	5.83
06 15 13 00-0078				2" x 10" Joists, Cedar With Pressure Treated Joists, Wood Ramp System <small>(06 15 13 00-0067)</small>		
06 15 13 00-0079	SF			5/4" x 4" Cedar Decking, 2" x 10" Pressure Treated Joists, Wood Ramp System	41.25	6.12
06 15 13 00-0080	SF			5/4" x 6" Cedar Decking, 2" x 10" Pressure Treated Joists, Wood Ramp System	40.15	5.82
06 15 13 00-0081	SF			2" x 4" Cedar Decking, 2" x 10" Pressure Treated Joists, Wood Ramp System	42.89	6.29
06 15 13 00-0082	SF			2" x 6" Cedar Decking, 2" x 10" Pressure Treated Joists, Wood Ramp System	41.83	5.97
06 15 13 00-0083				Wood Stair Systems <small>(06 15 13)</small>		
				Note: Includes the decking, joists, girders, posts at corners and along stairs, pickets and railing.		
06 15 13 00-0084				Pressure Treated Wood Stair System <small>(06 15 13 00-0083)</small>		
06 15 13 00-0085				2" x 10" Joists, Pressure Treated Wood Stair System <small>(06 15 13 00-0084)</small>		
06 15 13 00-0086	RSR			3' Wide, 5/4" x 4" Pressure Treated Decking With 2" x 10" Pressure Treated Joists, Wood Stair System	105.67	14.36
06 15 13 00-0087	RSR			3' Wide, 5/4" x 6" Pressure Treated Decking With 2" x 10" Pressure Treated Joists, Wood Stair System	104.04	13.63
06 15 13 00-0088	RSR			3' Wide, 2" x 4" Pressure Treated Decking With 2" x 10" Pressure Treated Joists, Wood Stair System	109.13	14.73
06 15 13 00-0089	RSR			3' Wide, 2" x 6" Pressure Treated Decking With 2" x 10" Pressure Treated Joists, Wood Stair System	106.83	13.99
06 15 13 00-0090	RSR			3'-6" Wide, 5/4" x 4" Pressure Treated Decking With 2" x 10" Pressure Treated Joists, Wood Stair System	110.95	15.08
06 15 13 00-0091	RSR			3'-6" Wide, 5/4" x 6" Pressure Treated Decking With 2" x 10" Pressure Treated Joists, Wood Stair System	109.25	14.32
06 15 13 00-0092	RSR			3'-6" Wide, 2" x 4" Pressure Treated Decking With 2" x 10" Pressure Treated Joists, Wood Stair System	114.59	15.47
06 15 13 00-0093	RSR			3'-6" Wide, 2" x 6" Pressure Treated Decking With 2" x 10" Pressure Treated Joists, Wood Stair System	112.18	14.69
06 15 13 00-0094	RSR			4' Wide, 5/4" x 4" Pressure Treated Decking With 2" x 10" Pressure Treated Joists, Wood Stair System	116.32	15.83
06 15 13 00-0095	RSR			4' Wide, 5/4" x 6" Pressure Treated Decking With 2" x 10" Pressure Treated Joists, Wood Stair System	114.52	15.04
06 15 13 00-0096	RSR			4' Wide, 2" x 4" Pressure Treated Decking With 2" x 10" Pressure Treated Joists, Wood Stair System	120.13	16.24
06 15 13 00-0097	RSR			4' Wide, 2" x 6" Pressure Treated Decking With 2" x 10" Pressure Treated Joists, Wood Stair System	117.59	15.42
06 15 13 00-0098	RSR			5' Wide, 5/4" x 4" Pressure Treated Decking With 2" x 10" Pressure Treated Joists, Wood Stair System	124.00	16.62
06 15 13 00-0099	RSR			5' Wide, 5/4" x 6" Pressure Treated Decking With 2" x 10" Pressure Treated Joists, Wood Stair System	122.21	15.79
06 15 13 00-0100	RSR			5' Wide, 2" x 4" Pressure Treated Decking With 2" x 10" Pressure Treated Joists, Wood Stair System	128.08	17.05
06 15 13 00-0101	RSR			5' Wide, 2" x 6" Pressure Treated Decking With 2" x 10" Pressure Treated Joists, Wood Stair System	125.50	16.19

06 Wood, Plastics, and Composites**06 10 Rough Carpentry****06 15 Wood Decking**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 15 13 00-0102			2" x 12" Joists, Pressure Treated Wood Stair System (06 15 13 00-0084)		
06 15 13 00-0103	RSR	3'	Wide, 5/4" x 4" Pressure Treated Decking With 2" x 12" Pressure Treated Joists, Wood Stair System.....	107.79	14.72
06 15 13 00-0104	RSR	3'	Wide, 5/4" x 6" Pressure Treated Decking With 2" x 12" Pressure Treated Joists, Wood Stair System.....	105.54	13.98
06 15 13 00-0105	RSR	3'	Wide, 2" x 4" Pressure Treated Decking With 2" x 12" Pressure Treated Joists, Wood Stair System.....	111.49	15.09
06 15 13 00-0106	RSR	3'	Wide, 2" x 6" Pressure Treated Decking With 2" x 12" Pressure Treated Joists, Wood Stair System.....	109.20	14.34
06 15 13 00-0107	RSR	3'-6"	Wide, 5/4" x 4" Pressure Treated Decking With 2" x 12" Pressure Treated Joists, Wood Stair System.....	113.18	15.45
06 15 13 00-0108	RSR	3'-6"	Wide, 5/4" x 6" Pressure Treated Decking With 2" x 12" Pressure Treated Joists, Wood Stair System.....	110.83	14.68
06 15 13 00-0109	RSR	3'-6"	Wide, 2" x 4" Pressure Treated Decking With 2" x 12" Pressure Treated Joists, Wood Stair System.....	117.05	15.85
06 15 13 00-0110	RSR	3'-6"	Wide, 2" x 6" Pressure Treated Decking With 2" x 12" Pressure Treated Joists, Wood Stair System.....	114.67	15.05
06 15 13 00-0111	RSR	4'	Wide, 5/4" x 4" Pressure Treated Decking With 2" x 12" Pressure Treated Joists, Wood Stair System.....	118.68	16.23
06 15 13 00-0112	RSR	4'	Wide, 5/4" x 6" Pressure Treated Decking With 2" x 12" Pressure Treated Joists, Wood Stair System.....	116.19	15.41
06 15 13 00-0113	RSR	4'	Wide, 2" x 4" Pressure Treated Decking With 2" x 12" Pressure Treated Joists, Wood Stair System.....	122.73	16.64
06 15 13 00-0114	RSR	4'	Wide, 2" x 6" Pressure Treated Decking With 2" x 12" Pressure Treated Joists, Wood Stair System.....	120.21	15.81
06 15 13 00-0115	RSR	5'	Wide, 5/4" x 4" Pressure Treated Decking With 2" x 12" Pressure Treated Joists, Wood Stair System.....	126.48	17.04
06 15 13 00-0116	RSR	5'	Wide, 5/4" x 6" Pressure Treated Decking With 2" x 12" Pressure Treated Joists, Wood Stair System.....	123.95	16.19
06 15 13 00-0117	RSR	5'	Wide, 2" x 4" Pressure Treated Decking With 2" x 12" Pressure Treated Joists, Wood Stair System.....	130.83	17.48
06 15 13 00-0118	RSR	5'	Wide, 2" x 6" Pressure Treated Decking With 2" x 12" Pressure Treated Joists, Wood Stair System.....	128.27	16.60
06 15 13 00-0119			Redwood With Pressure Treated Joists, Wood Stair System (06 15 13 00-0083)		
06 15 13 00-0120			2" x 10" Joists, Redwood With Pressure Treated Joists, Wood Stair System (06 15 13 00-0119)		
06 15 13 00-0121	RSR	3'	Wide, 5/4" x 4" Redwood Decking With 2" x 10" Pressure Treated Joists, Wood Stair System.....	122.61	14.36
06 15 13 00-0122	RSR	3'	Wide, 5/4" x 6" Redwood Decking With 2" x 10" Pressure Treated Joists, Wood Stair System.....	120.83	13.63
06 15 13 00-0123	RSR	3'	Wide, 2" x 4" Redwood Decking With 2" x 10" Pressure Treated Joists, Wood Stair System.....	127.13	14.73
06 15 13 00-0124	RSR	3'	Wide, 2" x 6" Redwood Decking With 2" x 10" Pressure Treated Joists, Wood Stair System.....	125.36	13.99
06 15 13 00-0125	RSR	3'-6"	Wide, 5/4" x 4" Redwood Decking With 2" x 10" Pressure Treated Joists, Wood Stair System.....	128.74	15.08
06 15 13 00-0126	RSR	3'-6"	Wide, 5/4" x 6" Redwood Decking With 2" x 10" Pressure Treated Joists, Wood Stair System.....	126.88	14.32
06 15 13 00-0127	RSR	3'-6"	Wide, 2" x 4" Redwood Decking With 2" x 10" Pressure Treated Joists, Wood Stair System.....	133.50	15.47
06 15 13 00-0128	RSR	3'-6"	Wide, 2" x 6" Redwood Decking With 2" x 10" Pressure Treated Joists, Wood Stair System.....	131.64	14.69
06 15 13 00-0129	RSR	4'	Wide, 5/4" x 4" Redwood Decking With 2" x 10" Pressure Treated Joists, Wood Stair System.....	134.91	15.83
06 15 13 00-0130	RSR	4'	Wide, 5/4" x 6" Redwood Decking With 2" x 10" Pressure Treated Joists, Wood Stair System.....	132.95	15.04
06 15 13 00-0131	RSR	4'	Wide, 2" x 4" Redwood Decking With 2" x 10" Pressure Treated Joists, Wood Stair System.....	139.88	16.24
06 15 13 00-0132	RSR	4'	Wide, 2" x 6" Redwood Decking With 2" x 10" Pressure Treated Joists, Wood Stair System.....	137.93	15.42
06 15 13 00-0133	RSR	5'	Wide, 5/4" x 4" Redwood Decking With 2" x 10" Pressure Treated Joists, Wood Stair System.....	144.45	16.62
06 15 13 00-0134	RSR	5'	Wide, 5/4" x 6" Redwood Decking With 2" x 10" Pressure Treated Joists, Wood Stair System.....	142.48	15.79
06 15 13 00-0135	RSR	5'	Wide, 2" x 4" Redwood Decking With 2" x 10" Pressure Treated Joists, Wood Stair System.....	149.81	17.05
06 15 13 00-0136	RSR	5'	Wide, 2" x 6" Redwood Decking With 2" x 10" Pressure Treated Joists, Wood Stair System.....	147.87	16.19
06 15 13 00-0137			2" x 12" Joists, Redwood With Pressure Treated Joists, Wood Stair System (06 15 13 00-0119)		
06 15 13 00-0138	RSR	3'	Wide, 5/4" x 4" Redwood Decking With 2" x 12" Pressure Treated Joists, Wood Stair System.....	119.74	14.72
06 15 13 00-0139	RSR	3'	Wide, 5/4" x 6" Redwood Decking With 2" x 12" Pressure Treated Joists, Wood Stair System.....	117.91	13.98
06 15 13 00-0140	RSR	3'	Wide, 2" x 4" Redwood Decking With 2" x 12" Pressure Treated Joists, Wood Stair System.....	123.92	15.09
06 15 13 00-0141	RSR	3'	Wide, 2" x 6" Redwood Decking With 2" x 12" Pressure Treated Joists, Wood Stair System.....	122.23	14.34
06 15 13 00-0142	RSR	3'-6"	Wide, 5/4" x 4" Redwood Decking With 2" x 12" Pressure Treated Joists, Wood Stair System.....	125.73	15.45
06 15 13 00-0143	RSR	3'-6"	Wide, 5/4" x 6" Redwood Decking With 2" x 12" Pressure Treated Joists, Wood Stair System.....	123.82	14.68
06 15 13 00-0144	RSR	3'-6"	Wide, 2" x 4" Redwood Decking With 2" x 12" Pressure Treated Joists, Wood Stair System.....	130.12	15.85
06 15 13 00-0145	RSR	3'-6"	Wide, 2" x 6" Redwood Decking With 2" x 12" Pressure Treated Joists, Wood Stair System.....	128.34	15.05
06 15 13 00-0146	RSR	4'	Wide, 5/4" x 4" Redwood Decking With 2" x 12" Pressure Treated Joists, Wood Stair System.....	131.79	16.23
06 15 13 00-0147	RSR	4'	Wide, 5/4" x 6" Redwood Decking With 2" x 12" Pressure Treated Joists, Wood Stair System.....	129.77	15.41
06 15 13 00-0148	RSR	4'	Wide, 2" x 4" Redwood Decking With 2" x 12" Pressure Treated Joists, Wood Stair System.....	136.37	16.64
06 15 13 00-0149	RSR	4'	Wide, 2" x 6" Redwood Decking With 2" x 12" Pressure Treated Joists, Wood Stair System.....	134.50	15.81
06 15 13 00-0150	RSR	5'	Wide, 5/4" x 4" Redwood Decking With 2" x 12" Pressure Treated Joists, Wood Stair System.....	140.90	17.04
06 15 13 00-0151	RSR	5'	Wide, 5/4" x 6" Redwood Decking With 2" x 12" Pressure Treated Joists, Wood Stair System.....	138.89	16.19
06 15 13 00-0152	RSR	5'	Wide, 2" x 4" Redwood Decking With 2" x 12" Pressure Treated Joists, Wood Stair System.....	145.85	17.48
06 15 13 00-0153	RSR	5'	Wide, 2" x 6" Redwood Decking With 2" x 12" Pressure Treated Joists, Wood Stair System.....	143.99	16.60
06 15 13 00-0154			Wood Deck And Ramp Systems Repairs (06 15 13) Note: Includes removal of material and screws. Excludes anchors and bolts.		
06 15 13 00-0155			Deck Joist Or Girt (06 15 13 00-0154) See CSI section 06 11 16 00-0012 for treated wood joist replacement, 06 51 13 00-0012 for plastic/composite lumber joist replacement.		
06 15 13 00-0156			Deck Boards (06 15 13 00-0154) See CSI section 06 51 13 00-0035 for plastic/composite lumber decking replacement.		
06 15 13 00-0157	LF	5/4" x 4"	Round Edge Pressure Treated Deck Boards.....	1.77	0.70
06 15 13 00-0158	LF	5/4" x 6"	Round Edge Pressure Treated Deck Boards.....	1.96	0.83
06 15 13 00-0159	LF	2" x 4"	Round Edge Pressure Treated Deck Boards.....	1.92	0.83
06 15 13 00-0160	LF	2" x 6"	Round Edge Pressure Treated Deck Boards.....	2.54	0.95
06 15 13 00-0161	LF	2" x 8"	Round Edge Pressure Treated Deck Boards.....	3.25	1.15
06 15 13 00-0162	LF	2" x 10"	Round Edge Pressure Treated Deck Boards.....	3.98	1.40
06 15 13 00-0163	LF	2" x 12"	Round Edge Pressure Treated Deck Boards.....	4.92	1.66
06 15 13 00-0164	LF	2" x 4"	Round Edge Cedar Deck Boards.....	2.20	0.83
06 15 13 00-0165	LF	2" x 6"	Round Edge Cedar Deck Boards.....	2.84	0.95
06 15 13 00-0166	LF	2" x 4"	Round Edge Redwood Deck Boards.....	2.42	0.83
06 15 13 00-0167	LF	2" x 6"	Round Edge Redwood Deck Boards.....	3.17	0.95



Wood, Plastics, and Composites			06
Rough Carpentry			06 10
Wood Decking			06 15

06

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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06 15 13 00-0168	Deck Posts <small>(06 15 13 00-0154)</small> See CSI section 06 11 16 00-0103 for treated wood post replacement, 06 51 13 00-0024 for plastic/composite lumber column replacement.		
06 15 13 00-0169	Deck Railing And Pickets <small>(06 15 13 00-0154)</small> See CSI section 06 51 13 00-0035 for plastic/composite lumber railing replacement.		
06 15 13 00-0170	LF 2" x 4" Pressure Treated Deck Railing.....	1.92	0.83
06 15 13 00-0171	LF 2" x 2" Pressure Treated Deck Railing Picket.....	1.35	0.64
06 15 13 00-0172	LF 2" x 4" Cedar Deck Railing.....	2.20	0.83
06 15 13 00-0173	LF 2" x 2" Cedar Deck Railing Picket.....	1.65	0.64
06 15 13 00-0174	LF 2" x 4" Redwood Deck Railing.....	2.42	0.83
06 15 13 00-0175	LF 2" x 2" Redwood Deck Railing Picket.....	1.81	0.64

06 16 Sheathing (06 10)

06 16 23 Subflooring (06 16)

06 16 23 00-0001	Board Type Subflooring <small>(06 16 23)</small>		
06 16 23 00-0002	SF 1" x 8" Regular Surface Board Type Subfloor..... Note: 4 Sides Laid In A Regular Pattern. <i>For Water Resistant Coating Or Treatment, Add</i> <i>For Foil Backing, Add</i> <i>For Tongue And Groove, Add</i>	2.33 0.04 0.07 0.05	0.73
06 16 23 00-0003	SF 1" x 8" Diagonal Surface Board Type Subfloor..... Note: 4 Sides Laid In A Diagonal Pattern. <i>For Water Resistant Coating Or Treatment, Add</i> <i>For Foil Backing, Add</i> <i>For Tongue And Groove, Add</i>	2.63 0.04 0.07 0.05	0.91
06 16 23 00-0004	SF 1" x 10" Regular Surface Board Type Subfloor..... Note: 4 sides laid in a regular pattern. <i>For Water Resistant Coating Or Treatment, Add</i> <i>For Foil Backing, Add</i> <i>For Tongue And Groove, Add</i>	2.21 0.04 0.07 0.05	0.64
06 16 23 00-0005	SF 1" x 10" Diagonal Surface Board Type Subfloor..... Note: 4 sides laid in a diagonal pattern. <i>For Water Resistant Coating Or Treatment, Add</i> <i>For Foil Backing, Add</i> <i>For Tongue And Groove, Add</i>	2.42 0.04 0.07 0.05	0.73

06 16 33 Wood Board Sheathing (06 16)

06 16 33 00-0001	Plywood <small>(06 16 33)</small>		
06 16 33 00-0002	Roof Decking <small>(06 16 33 00-0001)</small>		
06 16 33 00-0003	SF 3/8" Thick CDX Plywood Roof Decking..... Note: Applied to wood rafters. <i>For Shear Wall Construction, Add</i> <i>For Exterior CC Grade Plywood, Add</i> <i>For Application To Metal Studs, Joists, Or Rafters, Add</i> <i>For ACQ Preservative Treatment, Add</i> <i>For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add</i> <i>For Fire Retardant Treatment, Add</i> <i>For >3,200 To 6,400, Deduct</i> <i>For >6,400 To 12,800, Deduct</i> <i>For >12,800, Deduct</i>	1.59 0.21 0.08 0.21 0.25 1.61 0.41 -0.01 -0.02 -0.03	0.46
06 16 33 00-0004	SF 1/2" Thick CDX Plywood Roof Decking..... Note: Applied to wood rafters. <i>For Shear Wall Construction, Add</i> <i>For Exterior CC Grade Plywood, Add</i> <i>For Application To Metal Studs, Joists, Or Rafters, Add</i> <i>For ACQ Preservative Treatment, Add</i> <i>For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add</i> <i>For Fire Retardant Treatment, Add</i> <i>For >3,200 To 6,400, Deduct</i> <i>For >6,400 To 12,800, Deduct</i> <i>For >12,800, Deduct</i>	1.81 0.24 0.09 0.24 0.30 1.77 0.50 -0.01 -0.03 -0.04	0.55
06 16 33 00-0005	SF 5/8" Thick CDX Plywood Roof Decking..... Note: Applied to wood rafters. <i>For Shear Wall Construction, Add</i> <i>For Exterior CC Grade Plywood, Add</i> <i>For Application To Metal Studs, Joists, Or Rafters, Add</i> <i>For ACQ Preservative Treatment, Add</i> <i>For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add</i> <i>For Fire Retardant Treatment, Add</i> <i>For >3,200 To 6,400, Deduct</i> <i>For >6,400 To 12,800, Deduct</i> <i>For >12,800, Deduct</i> <i>For Tongue And Groove, Add</i>	2.05 0.25 0.12 0.25 0.38 1.89 0.62 -0.02 -0.03 -0.05 0.06	0.55

06 Wood, Plastics, and Composites**06 10 Rough Carpentry****06 16 Sheathing**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
06 16 33 00-0006	SF 3/4" Thick CDX Plywood Roof Decking.....	2.27	0.64
	Note: Applied to wood rafters.		
	For Shear Wall Construction, Add	0.27	
	For Exterior CC Grade Plywood, Add	0.14	
	For Application To Metal Studs, Joists, Or Rafters, Add	0.27	
	For ACQ Preservative Treatment, Add	0.44	
	For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add	2.04	
	For Fire Retardant Treatment, Add	0.72	
	For >3,200 To 6,400, Deduct	-0.02	
	For >6,400 To 12,800, Deduct	-0.04	
	For >12,800, Deduct	-0.05	
	For Tongue And Groove, Add	0.06	
06 16 33 00-0007	SF 1" Thick CDX Plywood Roof Decking.....	2.71	0.73
	Note: Applied to wood rafters.		
	For Shear Wall Construction, Add	0.30	
	For Exterior CC Grade Plywood, Add	0.18	
	For Application To Metal Studs, Joists, Or Rafters, Add	0.30	
	For ACQ Preservative Treatment, Add	0.59	
	For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add	2.22	
	For Fire Retardant Treatment, Add	0.97	
	For >3,200 To 6,400, Deduct	-0.02	
	For >6,400 To 12,800, Deduct	-0.05	
	For >12,800, Deduct	-0.07	
	For Tongue And Groove, Add	0.09	
06 16 33 00-0008	Wall Sheathing <small>(06 16 33 00-0001)</small>		
06 16 33 00-0009	SF 1/4" Interior BC Plywood Wall Sheathing.....	1.87	0.64
	Note: Applied to wall studs.		
	For Shear Wall Construction, Add	0.27	
	For Exterior CC Grade Plywood, Add	0.08	
	For Application To Metal Studs, Joists, Or Rafters, Add	0.27	
	For Ceiling Installation, Add	0.14	
	For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add	2.04	
	For Fire Retardant Treatment, Add	0.40	
	For >3,200 To 6,400, Deduct	-0.01	
	For >6,400 To 12,800, Deduct	-0.02	
	For >12,800, Deduct	-0.03	
06 16 33 00-0010	SF 5/16" Interior BC Plywood Wall Sheathing.....	1.90	0.64
	Note: Applied to wall studs.		
	For Shear Wall Construction, Add	0.27	
	For Exterior CC Grade Plywood, Add	0.08	
	For Application To Metal Studs, Joists, Or Rafters, Add	0.27	
	For Ceiling Installation, Add	0.14	
	For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add	2.04	
	For Fire Retardant Treatment, Add	0.43	
	For >3,200 To 6,400, Deduct	-0.01	
	For >6,400 To 12,800, Deduct	-0.02	
	For >12,800, Deduct	-0.03	
06 16 33 00-0011	SF 3/8" Interior BC Plywood Wall Sheathing.....	1.95	0.73
	Note: Applied to wall studs.		
	For Shear Wall Construction, Add	0.27	
	For Exterior CC Grade Plywood, Add	0.09	
	For Application To Metal Studs, Joists, Or Rafters, Add	0.27	
	For Ceiling Installation, Add	0.14	
	For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add	2.04	
	For Fire Retardant Treatment, Add	0.47	
	For >3,200 To 6,400, Deduct	-0.01	
	For >6,400 To 12,800, Deduct	-0.02	
	For >12,800, Deduct	-0.04	
06 16 33 00-0012	SF 1/2" Interior BC Plywood Wall Sheathing.....	2.19	0.73
	Note: Applied to wall studs.		
	For Shear Wall Construction, Add	0.29	
	For Exterior CC Grade Plywood, Add	0.11	
	For Application To Metal Studs, Joists, Or Rafters, Add	0.29	
	For Ceiling Installation, Add	0.15	
	For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add	2.18	
	For Fire Retardant Treatment, Add	0.58	
	For >3,200 To 6,400, Deduct	-0.01	
	For >6,400 To 12,800, Deduct	-0.03	
	For >12,800, Deduct	-0.04	
06 16 33 00-0013	SF 5/8" Interior BC Plywood Wall Sheathing.....	2.46	0.82
	Note: Applied to wall studs.		
	For Shear Wall Construction, Add	0.31	
	For Exterior CC Grade Plywood, Add	0.14	
	For Application To Metal Studs, Joists, Or Rafters, Add	0.31	
	For Ceiling Installation, Add	0.16	
	For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add	2.34	
	For Fire Retardant Treatment, Add	0.71	
	For >3,200 To 6,400, Deduct	-0.02	
	For >6,400 To 12,800, Deduct	-0.04	
	For >12,800, Deduct	-0.05	



Wood, Plastics, and Composites	06	06
Rough Carpentry	06 10	
Sheathing	06 16	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 16 33 00-0014 SF 3/4" Interior BC Plywood Wall Sheathing.....	2.71	0.91
Note: Applied to wall studs.		
<i>For Shear Wall Construction, Add</i>	0.34	
<i>For Exterior CC Grade Plywood, Add</i>	0.15	
<i>For Application To Metal Studs, Joists, Or Rafters, Add</i>	0.34	
<i>For Ceiling Installation, Add</i>	0.17	
<i>For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add</i>	2.52	
<i>For Fire Retardant Treatment, Add</i>	0.81	
<i>For >3,200 To 6,400, Deduct</i>	-0.02	
<i>For >6,400 To 12,800, Deduct</i>	-0.04	
<i>For >12,800, Deduct</i>	-0.06	
06 16 33 00-0015 Floor Decking <small>(06 16 33 00-0001)</small>		
Note: Includes patching of seams and all fastener holes where necessary.		
06 16 33 00-0016 SF 5/16" CD Grade Plywood Floor Decking.....	1.41	0.55
Note: Applied to floor or joists.		
<i>For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add</i>	1.53	
<i>For Fire Retardant Treatment, Add</i>	0.31	
<i>For >3,200 To 6,400, Deduct</i>	-0.01	
<i>For >6,400 To 12,800, Deduct</i>	-0.02	
<i>For >12,800, Deduct</i>	-0.02	
<i>For ACQ Preservative Treatment, Add</i>	0.19	
<i>For Fir Plywood, Add</i>	0.07	
<i>For BC Grade Plywood, Add</i>	0.06	
<i>For Exterior Glue, Add</i>	0.04	
<i>For Marine Grade, Add</i>	0.31	
06 16 33 00-0017 SF 3/8" CD Grade Plywood Floor Decking.....	1.50	0.55
Note: Applied to floor or joists.		
<i>For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add</i>	1.61	
<i>For Fire Retardant Treatment, Add</i>	0.34	
<i>For >3,200 To 6,400, Deduct</i>	-0.01	
<i>For >6,400 To 12,800, Deduct</i>	-0.02	
<i>For >12,800, Deduct</i>	-0.03	
<i>For ACQ Preservative Treatment, Add</i>	0.21	
<i>For Fir Plywood, Add</i>	0.08	
<i>For BC Grade Plywood, Add</i>	0.06	
<i>For Exterior Glue, Add</i>	0.04	
<i>For Marine Grade, Add</i>	0.34	
06 16 33 00-0018 SF 1/2" CD Grade Plywood Floor Decking.....	1.71	0.55
Note: Applied to floor or joists.		
<i>For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add</i>	1.71	
<i>For Fire Retardant Treatment, Add</i>	0.45	
<i>For >3,200 To 6,400, Deduct</i>	-0.01	
<i>For >6,400 To 12,800, Deduct</i>	-0.02	
<i>For >12,800, Deduct</i>	-0.03	
<i>For ACQ Preservative Treatment, Add</i>	0.27	
<i>For Fir Plywood, Add</i>	0.11	
<i>For BC Grade Plywood, Add</i>	0.08	
<i>For Exterior Glue, Add</i>	0.05	
<i>For Marine Grade, Add</i>	0.45	
06 16 33 00-0019 SF 5/8" CD Grade Plywood Floor Decking.....	1.93	0.55
Note: Applied to floor or joists.		
<i>For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add</i>	1.88	
<i>For Fire Retardant Treatment, Add</i>	0.54	
<i>For >3,200 To 6,400, Deduct</i>	-0.01	
<i>For >6,400 To 12,800, Deduct</i>	-0.03	
<i>For >12,800, Deduct</i>	-0.04	
<i>For ACQ Preservative Treatment, Add</i>	0.33	
<i>For Fir Plywood, Add</i>	0.13	
<i>For BC Grade Plywood, Add</i>	0.10	
<i>For Exterior Glue, Add</i>	0.06	
<i>For Marine Grade, Add</i>	0.53	
06 16 33 00-0020 SF 3/4" CD Grade Plywood Floor Decking.....	2.19	0.55
Note: Applied to floor or joists.		
<i>For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add</i>	1.97	
<i>For Fire Retardant Treatment, Add</i>	0.70	
<i>For >3,200 To 6,400, Deduct</i>	-0.02	
<i>For >6,400 To 12,800, Deduct</i>	-0.04	
<i>For >12,800, Deduct</i>	-0.05	
<i>For ACQ Preservative Treatment, Add</i>	0.42	
<i>For Fir Plywood, Add</i>	0.16	
<i>For BC Grade Plywood, Add</i>	0.13	
<i>For Exterior Glue, Add</i>	0.08	
<i>For Marine Grade, Add</i>	0.69	
06 16 33 00-0021 SF 1-1/8" CD Grade Plywood Floor Decking.....	3.23	0.82
Note: Applied to floor or joists.		
<i>For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add</i>	2.36	
<i>For Fire Retardant Treatment, Add</i>	1.31	
<i>For >3,200 To 6,400, Deduct</i>	-0.03	
<i>For >6,400 To 12,800, Deduct</i>	-0.07	
<i>For >12,800, Deduct</i>	-0.10	
<i>For ACQ Preservative Treatment, Add</i>	0.80	
<i>For Fir Plywood, Add</i>	0.31	
<i>For BC Grade Plywood, Add</i>	0.25	
<i>For Exterior Glue, Add</i>	0.15	
<i>For Marine Grade, Add</i>	1.30	

06 Wood, Plastics, and Composites**06 10 Rough Carpentry****06 16 Sheathing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 16 33 00-0022	SF		1/2" AC Fir Plywood Floor Decking.....	2.05	0.55
			Note: Applied to floor or joists.		
			For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add	1.71	
			For Fire Retardant Treatment, Add	0.72	
			For >3,200 To 6,400, Deduct	-0.02	
			For >6,400 To 12,800, Deduct	-0.04	
			For >12,800, Deduct	-0.05	
			For ACQ Preservative Treatment, Add	0.44	
			For Exterior Glue, Add	0.08	
			For Marine Grade, Add	0.71	
			For Tongue And Groove, Add	0.06	
06 16 33 00-0023	SF		5/8" AC Fir Plywood Floor Decking.....	2.31	0.55
			Note: Applied to floor or joists.		
			For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add	1.88	
			For Fire Retardant Treatment, Add	0.84	
			For >3,200 To 6,400, Deduct	-0.02	
			For >6,400 To 12,800, Deduct	-0.04	
			For >12,800, Deduct	-0.06	
			For ACQ Preservative Treatment, Add	0.51	
			For Exterior Glue, Add	0.10	
			For Marine Grade, Add	0.83	
			For Tongue And Groove, Add	0.07	
06 16 33 00-0024	SF		3/4" AC Fir Plywood Floor Decking.....	2.47	0.55
			Note: Applied to floor or joists.		
			For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add	1.98	
			For Fire Retardant Treatment, Add	0.91	
			For >3,200 To 6,400, Deduct	-0.02	
			For >6,400 To 12,800, Deduct	-0.05	
			For >12,800, Deduct	-0.07	
			For ACQ Preservative Treatment, Add	0.55	
			For Exterior Glue, Add	0.11	
			For Marine Grade, Add	0.90	
			For Tongue And Groove, Add	0.08	
06 16 33 00-0025			Underlayment Grade Subfloor <small>(06 16 33 00-0001)</small>		
			Note: Includes patching of seams and all fastener holes where necessary.		
06 16 33 00-0026	SF		1/4" Thick Plywood Underlayment BC Grade Subfloor.....	1.51	0.55
			For Fire Retardant Treatment, Add	0.36	
			For >3,200 To 6,400, Deduct	-0.01	
			For >6,400 To 12,800, Deduct	-0.02	
			For >12,800, Deduct	-0.03	
06 16 33 00-0027	SF		3/8" Thick Plywood Underlayment BC Grade Subfloor.....	1.62	0.55
			For Fire Retardant Treatment, Add	0.40	
			For >3,200 To 6,400, Deduct	-0.01	
			For >6,400 To 12,800, Deduct	-0.02	
			For >12,800, Deduct	-0.03	
06 16 33 00-0028	SF		1/2" Thick Plywood Underlayment BC Grade Subfloor.....	1.68	0.64
			For Fire Retardant Treatment, Add	0.43	
			For >3,200 To 6,400, Deduct	-0.01	
			For >6,400 To 12,800, Deduct	-0.02	
			For >12,800, Deduct	-0.03	
06 16 33 00-0029	SF		5/8" Thick Plywood Underlayment BC Grade Subfloor.....	1.91	0.64
			For Fire Retardant Treatment, Add	0.51	
			For >3,200 To 6,400, Deduct	-0.01	
			For >6,400 To 12,800, Deduct	-0.03	
			For >12,800, Deduct	-0.04	
			For Tongue And Groove, Add	0.05	
06 16 33 00-0030	SF		3/4" Thick Plywood Underlayment BC Grade Subfloor.....	2.05	0.64
			For Fire Retardant Treatment, Add	0.62	
			For >3,200 To 6,400, Deduct	-0.02	
			For >6,400 To 12,800, Deduct	-0.03	
			For >12,800, Deduct	-0.05	
			For Tongue And Groove, Add	0.06	
06 16 33 00-0031	SF		1-1/8" Thick Plywood Underlayment BC Grade Subfloor.....	2.61	0.73
			For Fire Retardant Treatment, Add	0.95	
			For >3,200 To 6,400, Deduct	-0.02	
			For >6,400 To 12,800, Deduct	-0.05	
			For >12,800, Deduct	-0.07	
			For Tongue And Groove, Add	0.08	
06 16 33 00-0032	SF		3/8" Thick Plywood CDX Grade Subfloor.....	1.73	0.55
			For Fire Retardant Treatment, Add	0.49	
			For >3,200 To 6,400, Deduct	-0.01	
			For >6,400 To 12,800, Deduct	-0.02	
			For >12,800, Deduct	-0.04	
06 16 33 00-0033	SF		5/8" Thick Plywood CDX Grade Subfloor.....	2.19	0.64
			For Fire Retardant Treatment, Add	0.74	
			For >3,200 To 6,400, Deduct	-0.02	
			For >6,400 To 12,800, Deduct	-0.04	
			For >12,800, Deduct	-0.06	
06 16 33 00-0034			Oriented Strand Board <small>(06 16 33)</small>		
06 16 33 00-0035			On Roof <small>(06 16 33 00-0034)</small>		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 16 33 00-0036 SF 3/8" Thick Structural Oriented Strand Board On Roof.....	1.35	0.55
For >3,200 To 6,400, Deduct	-0.01	
For >6,400 To 12,800, Deduct	-0.01	
For >12,800, Deduct	-0.02	
For Fire Retardant Treatment, Add	0.22	
For Selective Replacement <400 (Includes Removal Of Damaged OSB And Fitting New OSB To Size), Add	1.61	
06 16 33 00-0037 SF 1/2" Thick Structural Oriented Strand Board On Roof.....	1.51	0.55
For >3,200 To 6,400, Deduct	-0.01	
For >6,400 To 12,800, Deduct	-0.01	
For >12,800, Deduct	-0.02	
For Fire Retardant Treatment, Add	0.26	
For Selective Replacement <400 (Includes Removal Of Damaged OSB And Fitting New OSB To Size), Add	1.77	
06 16 33 00-0038 SF 5/8" Thick Structural Oriented Strand Board On Roof.....	1.74	0.64
For >3,200 To 6,400, Deduct	-0.01	
For >6,400 To 12,800, Deduct	-0.02	
For >12,800, Deduct	-0.03	
For Fire Retardant Treatment, Add	0.38	
For Selective Replacement <400 (Includes Removal Of Damaged OSB And Fitting New OSB To Size), Add	1.89	
06 16 33 00-0039 SF 3/4" Thick Structural Oriented Strand Board On Roof.....	2.00	0.64
For >3,200 To 6,400, Deduct	-0.01	
For >6,400 To 12,800, Deduct	-0.03	
For >12,800, Deduct	-0.04	
For Fire Retardant Treatment, Add	0.51	
For Selective Replacement <400 (Includes Removal Of Damaged OSB And Fitting New OSB To Size), Add	2.04	
06 16 33 00-0040 On Walls <small>(06 16 33 00-0034)</small>		
06 16 33 00-0041 SF 3/8" Thick Structural Oriented Strand Board On Walls	1.64	0.64
For >3,200 To 6,400, Deduct	-0.01	
For >6,400 To 12,800, Deduct	-0.01	
For >12,800, Deduct	-0.02	
For Fire Retardant Treatment, Add	0.22	
For Selective Replacement <400 (Includes Removal Of Damaged OSB And Fitting New OSB To Size), Add	2.04	
06 16 33 00-0042 SF 1/2" Thick Structural Oriented Strand Board On Walls	1.78	0.73
For >3,200 To 6,400, Deduct	-0.01	
For >6,400 To 12,800, Deduct	-0.01	
For >12,800, Deduct	-0.02	
For Fire Retardant Treatment, Add	0.26	
For Selective Replacement <400 (Includes Removal Of Damaged OSB And Fitting New OSB To Size), Add	2.18	
06 16 33 00-0043 SF 5/8" Thick Structural Oriented Strand Board On Walls	2.04	0.82
For >3,200 To 6,400, Deduct	-0.01	
For >6,400 To 12,800, Deduct	-0.02	
For >12,800, Deduct	-0.03	
For Fire Retardant Treatment, Add	0.38	
For Selective Replacement <400 (Includes Removal Of Damaged OSB And Fitting New OSB To Size), Add	2.34	
06 16 33 00-0044 SF 3/4" Thick Structural Oriented Strand Board On Walls	2.32	0.82
For >3,200 To 6,400, Deduct	-0.01	
For >6,400 To 12,800, Deduct	-0.03	
For >12,800, Deduct	-0.04	
For Fire Retardant Treatment, Add	0.51	
For Selective Replacement <400 (Includes Removal Of Damaged OSB And Fitting New OSB To Size), Add	2.52	
06 16 33 00-0045 On Floors <small>(06 16 33 00-0034)</small>		
Note: Includes patching of seams and all fastener holes where necessary.		
06 16 33 00-0046 SF 3/8" Thick Structural Oriented Strand Board On Floors	1.38	0.55
For >3,200 To 6,400, Deduct	-0.01	
For >6,400 To 12,800, Deduct	-0.01	
For >12,800, Deduct	-0.02	
For Fire Retardant Treatment, Add	0.22	
For Selective Replacement <400 (Includes Removal Of Damaged OSB And Fitting New OSB To Size), Add	1.65	
06 16 33 00-0047 SF 1/2" Thick Structural Oriented Strand Board On Floors	1.64	0.64
For >3,200 To 6,400, Deduct	-0.01	
For >6,400 To 12,800, Deduct	-0.01	
For >12,800, Deduct	-0.02	
For Fire Retardant Treatment, Add	0.26	
For Selective Replacement <400 (Includes Removal Of Damaged OSB And Fitting New OSB To Size), Add	1.97	
06 16 33 00-0048 SF 5/8" Thick Structural Oriented Strand Board On Floors	1.91	0.73
For >3,200 To 6,400, Deduct	-0.01	
For >6,400 To 12,800, Deduct	-0.02	
For >12,800, Deduct	-0.03	
For Fire Retardant Treatment, Add	0.38	
For Selective Replacement <400 (Includes Removal Of Damaged OSB And Fitting New OSB To Size), Add	2.15	
06 16 33 00-0049 SF 3/4" Thick Structural Oriented Strand Board On Floors	2.20	0.82
For >3,200 To 6,400, Deduct	-0.01	
For >6,400 To 12,800, Deduct	-0.03	
For >12,800, Deduct	-0.04	
For Fire Retardant Treatment, Add	0.51	
For Selective Replacement <400 (Includes Removal Of Damaged OSB And Fitting New OSB To Size), Add	2.34	
06 16 33 00-0050 Particle Board <small>(06 16 33)</small>		
06 16 33 00-0051 Particle Board Floor Decking <small>(06 16 33 00-0050)</small>		
Note: Includes patching of seams and all fastener holes where necessary.		

06 Wood, Plastics, and Composites**06 10 Rough Carpentry****06 16 Sheathing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 16 33 00-0052	SF		3/8" Particle Board Floor Decking.....	1.41	0.46
			Note: Applied to plywood subfloor.		
			For Fire Retardant Treatment Add	0.27	
			For >3,200 To 6,400, Deduct	-0.01	
			For >6,400 To 12,800, Deduct	-0.02	
			For >12,800, Deduct	-0.03	
			For Tongue And Groove, Add	0.02	
06 16 33 00-0053	SF		1/2" Particle Board Floor Decking.....	1.60	0.46
			Note: Applied to plywood subfloor.		
			For Fire Retardant Treatment Add	0.36	
			For >3,200 To 6,400, Deduct	-0.01	
			For >6,400 To 12,800, Deduct	-0.02	
			For >12,800, Deduct	-0.04	
			For Tongue And Groove, Add	0.03	
06 16 33 00-0054	SF		5/8" Particle Board Floor Decking.....	1.77	0.55
			Note: Applied to plywood subfloor.		
			For Fire Retardant Treatment Add	0.45	
			For >3,200 To 6,400, Deduct	-0.02	
			For >6,400 To 12,800, Deduct	-0.03	
			For >12,800, Deduct	-0.05	
			For Tongue And Groove, Add	0.04	
06 16 33 00-0055	SF		3/4" Particle Board Floor Decking.....	1.94	0.55
			Note: Applied to plywood subfloor.		
			For Fire Retardant Treatment Add	0.53	
			For >3,200 To 6,400, Deduct	-0.02	
			For >6,400 To 12,800, Deduct	-0.03	
			For >12,800, Deduct	-0.05	
			For Tongue And Groove, Add	0.05	

06 16 43 Gypsum Sheathing (06 16)**06 16 43 00-0001 Exterior Gypsum Sheathing** (06 16 43)

Note: Includes moisture resistant core and fiberglass mats on both sides and long edges.

06 16 43 00-0002	SF		1/2" Exterior Gypsum Sheathing (GP Dens-Glass Gold).....	2.41	0.73
			For Application To Metal Studs, Joists, Or Rafters, Add	0.29	
			For Ceiling Installation, Add	0.15	
			For >3,200 To 6,400, Deduct	-0.02	
			For >6,400 To 12,800, Deduct	-0.04	
			For >12,800, Deduct	-0.06	
			For Selective Replacement <400 (Includes Removal Of Damaged Gypsum And Fitting New Gypsum To Size), Add	2.18	
06 16 43 00-0003	SF		5/8" Exterior Gypsum Sheathing (GP Dens-Glass Gold).....	2.61	0.91
			For Application To Metal Studs, Joists, Or Rafters, Add	0.31	
			For Ceiling Installation, Add	0.16	
			For >3,200 To 6,400, Deduct	-0.02	
			For >6,400 To 12,800, Deduct	-0.04	
			For >12,800, Deduct	-0.06	
			For Selective Replacement <400 (Includes Removal Of Damaged Gypsum And Fitting New Gypsum To Size), Add	2.34	

06 17 Shop-Fabricated Structural Wood (06 10)**06 17 13 Laminated Veneer Lumber** (06 17)**06 17 13 00-0001 Laminated Veneer Lumber (LVL)** (06 17 13)

06 17 13 00-0002	LF		1-3/4" Wide x 5-1/2" Deep Laminated Veneer Lumber (LVL).....	6.33	1.58
06 17 13 00-0003	LF		1-3/4" Wide x 7-1/4" Deep Laminated Veneer Lumber (LVL).....	6.95	1.60
06 17 13 00-0004	LF		1-3/4" Wide x 9-1/2" Deep Laminated Veneer Lumber (LVL).....	7.66	1.62
06 17 13 00-0005	LF		1-3/4" Wide x 11-7/8" Deep Laminated Veneer Lumber (LVL).....	8.57	1.65
06 17 13 00-0006	LF		1-3/4" Wide x 14" Deep Laminated Veneer Lumber (LVL).....	9.24	1.68
06 17 13 00-0007	LF		1-3/4" Wide x 16" Deep Laminated Veneer Lumber (LVL).....	10.20	1.73
06 17 13 00-0008	LF		1-3/4" Wide x 18" Deep Laminated Veneer Lumber (LVL).....	11.56	1.76
06 17 13 00-0009	LF		1-3/4" Wide x 24" Deep Laminated Veneer Lumber (LVL).....	15.82	2.01

06 17 23 Parallel Strand Lumber (06 17)**06 17 23 00-0001 Laminated Strand Lumber (LSL)** (06 17 23)

06 17 23 00-0002	LF		2" x 4" Laminated Strand Lumber (LSL).....	2.18	0.73
06 17 23 00-0003	LF		2" x 6" Laminated Strand Lumber (LSL).....	2.97	0.77

06 17 33 Wood I-Joists (06 17)**06 17 33 00-0001 Prefabricated Wood I-Joists** (06 17 33)

06 17 33 00-0002	LF		9-1/2" Deep, 3/8" Web With 1-1/2" x 1-3/4" Flanges Prefabricated Wood I-Joist, Up To 30' Length.....	3.78	0.96
			For I-Joists 30' To 40' In Length, Add	0.42	
			For I-Joists >40' In Length, Add	1.03	
06 17 33 00-0003	LF		11-7/8" Deep, 3/8" Web With 1-1/2" x 1-3/4" Flanges Prefabricated Wood I-Joist, Up To 30' Length.....	4.06	1.06
			For I-Joists 30' To 40' In Length, Add	0.47	
			For I-Joists >40' In Length, Add	1.14	
06 17 33 00-0004	LF		14" Deep, 3/8" Web With 1-1/2" x 1-3/4" Flanges Prefabricated Wood I-Joist, Up To 30' Length.....	4.77	1.19
			For I-Joists 30' To 40' In Length, Add	0.53	
			For I-Joists >40' In Length, Add	1.29	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 17 33 00-0005 LF 16" Deep, 3/8" Web With 1-1/2" x 1-3/4" Flanges Prefabricated Wood I-Joist, Up To 30' Length <i>For I-Joists 30' To 40' In Length, Add</i> <i>For I-Joists >40' In Length, Add</i>	5.37 0.58 1.43	1.32
06 17 43 Rim Boards <small>(06 17)</small>		
06 17 43 00-0001 Oriented Strand Board (OSB) Rim Board <small>(06 17 43)</small>		
06 17 43 00-0002 LF 1-1/8" Wide x 9-1/2" Deep, Oriented Strand Board (OSB) Rim Board.....	5.13	1.62
06 17 43 00-0003 LF 1-1/8" Wide x 11-7/8" Deep, Oriented Strand Board (OSB) Rim Board.....	5.62	1.65
06 17 43 00-0004 LF 1-1/8" Wide x 14" Deep, Oriented Strand Board (OSB) Rim Board.....	6.19	1.68
06 17 53 Shop-Fabricated Wood Trusses <small>(06 17)</small>		
06 17 53 00-0001 Pre-Assembled Wood Roof Trusses <small>(06 17 53)</small>		
Note: For King Post, Queen Post, Fink or Howe types. Includes 2" x 4" top and bottom chords up to 42' and with 2" x 6" top and bottom chords >42'.		
06 17 53 00-0002 EA 10' Pre-Assembled Wood Roof Truss, 4 In 12 Slope..... <i>For Up To 15, Add</i> <i>For >35, Deduct</i> <i>For 3 In 12 Slope, Add</i> <i>For 5 In 12 Slope, Add</i> <i>For 6 In 12 Slope, Add</i> <i>For 7 In 12 Slope, Add</i> <i>For 8 In 12 Slope, Add</i>	145.85 2.59 -1.73 1.04 2.76 5.18 6.91 8.29	55.65
06 17 53 00-0003 EA 12' Pre-Assembled Wood Roof Truss, 4 In 12 Slope..... <i>For Up To 15, Add</i> <i>For >35, Deduct</i> <i>For 3 In 12 Slope, Add</i> <i>For 5 In 12 Slope, Add</i> <i>For 6 In 12 Slope, Add</i> <i>For 7 In 12 Slope, Add</i> <i>For 8 In 12 Slope, Add</i>	162.24 3.03 -2.02 1.21 3.23 6.05 8.07 9.68	60.95
06 17 53 00-0004 EA 14' Pre-Assembled Wood Roof Truss, 4 In 12 Slope..... <i>For Up To 15, Add</i> <i>For >35, Deduct</i> <i>For 3 In 12 Slope, Add</i> <i>For 5 In 12 Slope, Add</i> <i>For 6 In 12 Slope, Add</i> <i>For 7 In 12 Slope, Add</i> <i>For 8 In 12 Slope, Add</i>	181.06 3.64 -2.43 1.46 3.88 7.28 9.71 11.65	66.24
06 17 53 00-0005 EA 16' Pre-Assembled Wood Roof Truss, 4 In 12 Slope..... <i>For Up To 15, Add</i> <i>For >35, Deduct</i> <i>For 3 In 12 Slope, Add</i> <i>For 5 In 12 Slope, Add</i> <i>For 6 In 12 Slope, Add</i> <i>For 7 In 12 Slope, Add</i> <i>For 8 In 12 Slope, Add</i>	206.19 4.73 -3.16 1.89 5.05 9.47 12.62 15.14	71.54
06 17 53 00-0006 EA 18' Pre-Assembled Wood Roof Truss, 4 In 12 Slope..... <i>For Up To 15, Add</i> <i>For >35, Deduct</i> <i>For 3 In 12 Slope, Add</i> <i>For 5 In 12 Slope, Add</i> <i>For 6 In 12 Slope, Add</i> <i>For 7 In 12 Slope, Add</i> <i>For 8 In 12 Slope, Add</i>	227.69 5.55 -3.70 2.22 5.92 11.10 14.80 17.76	76.85
06 17 53 00-0007 EA 20' Pre-Assembled Wood Roof Truss, 4 In 12 Slope..... <i>For Up To 15, Add</i> <i>For >35, Deduct</i> <i>For 3 In 12 Slope, Add</i> <i>For 5 In 12 Slope, Add</i> <i>For 6 In 12 Slope, Add</i> <i>For 7 In 12 Slope, Add</i> <i>For 8 In 12 Slope, Add</i>	238.69 5.18 -3.46 2.07 5.53 10.37 13.82 16.58	84.80
06 17 53 00-0008 EA 22' Pre-Assembled Wood Roof Truss, 4 In 12 Slope..... <i>For Up To 15, Add</i> <i>For >35, Deduct</i> <i>For 3 In 12 Slope, Add</i> <i>For 5 In 12 Slope, Add</i> <i>For 6 In 12 Slope, Add</i> <i>For 7 In 12 Slope, Add</i> <i>For 8 In 12 Slope, Add</i>	251.31 5.33 -3.56 2.13 5.69 10.67 14.22 17.07	135.14
06 17 53 00-0009 EA 24' Pre-Assembled Wood Roof Truss, 4 In 12 Slope..... <i>For Up To 15, Add</i> <i>For >35, Deduct</i> <i>For 3 In 12 Slope, Add</i> <i>For 5 In 12 Slope, Add</i> <i>For 6 In 12 Slope, Add</i> <i>For 7 In 12 Slope, Add</i> <i>For 8 In 12 Slope, Add</i>	267.93 5.79 -3.86 2.31 6.17 11.57 15.43 18.51	95.39

06 Wood, Plastics, and Composites**06 10 Rough Carpentry****06 17 Shop-Fabricated Structural Wood**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 17 53 00-0010	EA	26'	Pre-Assembled Wood Roof Truss, 4 In 12 Slope.....	285.21	151.04
			<i>For Up To 15, Add</i>	6.29	
			<i>For >35, Deduct</i>	-4.19	
			<i>For 3 In 12 Slope, Add</i>	2.51	
			<i>For 5 In 12 Slope, Add</i>	6.71	
			<i>For 6 In 12 Slope, Add</i>	12.57	
			<i>For 7 In 12 Slope, Add</i>	16.77	
			<i>For 8 In 12 Slope, Add</i>	20.12	
06 17 53 00-0011	EA	28'	Pre-Assembled Wood Roof Truss, 4 In 12 Slope.....	303.37	105.99
			<i>For Up To 15, Add</i>	6.85	
			<i>For >35, Deduct</i>	-4.57	
			<i>For 3 In 12 Slope, Add</i>	2.74	
			<i>For 5 In 12 Slope, Add</i>	7.31	
			<i>For 6 In 12 Slope, Add</i>	13.71	
			<i>For 7 In 12 Slope, Add</i>	18.28	
			<i>For 8 In 12 Slope, Add</i>	21.93	
06 17 53 00-0012	EA	30'	Pre-Assembled Wood Roof Truss, 4 In 12 Slope.....	316.86	166.94
			<i>For Up To 15, Add</i>	7.07	
			<i>For >35, Deduct</i>	-4.71	
			<i>For 3 In 12 Slope, Add</i>	2.83	
			<i>For 5 In 12 Slope, Add</i>	7.54	
			<i>For 6 In 12 Slope, Add</i>	14.14	
			<i>For 7 In 12 Slope, Add</i>	18.86	
			<i>For 8 In 12 Slope, Add</i>	22.63	
06 17 53 00-0013	EA	32'	Pre-Assembled Wood Roof Truss, 4 In 12 Slope.....	331.59	113.94
			<i>For Up To 15, Add</i>	7.78	
			<i>For >35, Deduct</i>	-5.19	
			<i>For 3 In 12 Slope, Add</i>	3.11	
			<i>For 5 In 12 Slope, Add</i>	8.30	
			<i>For 6 In 12 Slope, Add</i>	15.56	
			<i>For 7 In 12 Slope, Add</i>	20.74	
			<i>For 8 In 12 Slope, Add</i>	24.89	
06 17 53 00-0014	EA	34'	Pre-Assembled Wood Roof Truss, 4 In 12 Slope.....	362.82	178.91
			<i>For Up To 15, Add</i>	9.33	
			<i>For >35, Deduct</i>	-6.22	
			<i>For 3 In 12 Slope, Add</i>	3.73	
			<i>For 5 In 12 Slope, Add</i>	9.95	
			<i>For 6 In 12 Slope, Add</i>	18.65	
			<i>For 7 In 12 Slope, Add</i>	24.87	
			<i>For 8 In 12 Slope, Add</i>	29.84	
06 17 53 00-0015	EA	36'	Pre-Assembled Wood Roof Truss, 4 In 12 Slope.....	377.91	121.89
			<i>For Up To 15, Add</i>	10.06	
			<i>For >35, Deduct</i>	-6.71	
			<i>For 3 In 12 Slope, Add</i>	4.02	
			<i>For 5 In 12 Slope, Add</i>	10.73	
			<i>For 6 In 12 Slope, Add</i>	20.12	
			<i>For 7 In 12 Slope, Add</i>	26.83	
			<i>For 8 In 12 Slope, Add</i>	32.19	
06 17 53 00-0016	EA	38'	Pre-Assembled Wood Roof Truss, 4 In 12 Slope.....	397.68	190.79
			<i>For Up To 15, Add</i>	10.75	
			<i>For >35, Deduct</i>	-7.16	
			<i>For 3 In 12 Slope, Add</i>	4.30	
			<i>For 5 In 12 Slope, Add</i>	11.46	
			<i>For 6 In 12 Slope, Add</i>	21.49	
			<i>For 7 In 12 Slope, Add</i>	28.66	
			<i>For 8 In 12 Slope, Add</i>	34.39	
06 17 53 00-0017	EA	40'	Pre-Assembled Wood Roof Truss, 4 In 12 Slope.....	411.34	132.50
			<i>For Up To 15, Add</i>	10.98	
			<i>For >35, Deduct</i>	-7.32	
			<i>For 3 In 12 Slope, Add</i>	4.39	
			<i>For 5 In 12 Slope, Add</i>	11.71	
			<i>For 6 In 12 Slope, Add</i>	21.95	
			<i>For 7 In 12 Slope, Add</i>	29.27	
			<i>For 8 In 12 Slope, Add</i>	35.13	
06 17 53 00-0018	EA	42'	Pre-Assembled Wood Roof Truss, 4 In 12 Slope.....	452.89	206.69
			<i>For Up To 15, Add</i>	13.30	
			<i>For >35, Deduct</i>	-8.87	
			<i>For 3 In 12 Slope, Add</i>	5.32	
			<i>For 5 In 12 Slope, Add</i>	14.18	
			<i>For 6 In 12 Slope, Add</i>	26.60	
			<i>For 7 In 12 Slope, Add</i>	35.46	
			<i>For 8 In 12 Slope, Add</i>	42.55	
06 17 53 00-0019	EA	44'	Pre-Assembled Wood Roof Truss, 4 In 12 Slope.....	493.59	143.09
			<i>For Up To 15, Add</i>	15.56	
			<i>For >35, Deduct</i>	-10.37	
			<i>For 3 In 12 Slope, Add</i>	6.22	
			<i>For 5 In 12 Slope, Add</i>	16.59	
			<i>For 6 In 12 Slope, Add</i>	31.11	
			<i>For 7 In 12 Slope, Add</i>	41.48	
			<i>For 8 In 12 Slope, Add</i>	49.78	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 17 53 00-0020 EA 46' Pre-Assembled Wood Roof Truss, 4 In 12 Slope.....	510.87	148.39
<i>For Up To 15, Add</i>	16.06	
<i>For >35, Deduct</i>	-10.70	
<i>For 3 In 12 Slope, Add</i>	6.42	
<i>For 5 In 12 Slope, Add</i>	17.13	
<i>For 6 In 12 Slope, Add</i>	32.11	
<i>For 7 In 12 Slope, Add</i>	42.82	
<i>For 8 In 12 Slope, Add</i>	51.38	
06 17 53 00-0021 EA 48' Pre-Assembled Wood Roof Truss, 4 In 12 Slope.....	536.23	153.69
<i>For Up To 15, Add</i>	17.16	
<i>For >35, Deduct</i>	-11.44	
<i>For 3 In 12 Slope, Add</i>	6.87	
<i>For 5 In 12 Slope, Add</i>	18.31	
<i>For 6 In 12 Slope, Add</i>	34.33	
<i>For 7 In 12 Slope, Add</i>	45.77	
<i>For 8 In 12 Slope, Add</i>	54.92	
06 17 53 00-0022 EA 50' Pre-Assembled Wood Roof Truss, 4 In 12 Slope.....	610.92	158.99
<i>For Up To 15, Add</i>	21.97	
<i>For >35, Deduct</i>	-14.65	
<i>For 3 In 12 Slope, Add</i>	8.79	
<i>For 5 In 12 Slope, Add</i>	23.44	
<i>For 6 In 12 Slope, Add</i>	43.94	
<i>For 7 In 12 Slope, Add</i>	58.59	
<i>For 8 In 12 Slope, Add</i>	70.31	
06 17 53 00-0023 EA 52' Pre-Assembled Wood Roof Truss, 4 In 12 Slope.....	579.99	142.98
<i>For Up To 15, Add</i>	19.65	
<i>For >35, Deduct</i>	-13.10	
<i>For 3 In 12 Slope, Add</i>	7.86	
<i>For 5 In 12 Slope, Add</i>	20.96	
<i>For 6 In 12 Slope, Add</i>	39.30	
<i>For 7 In 12 Slope, Add</i>	52.40	
<i>For 8 In 12 Slope, Add</i>	62.88	
06 17 53 00-0024 EA 54' Pre-Assembled Wood Roof Truss, 4 In 12 Slope.....	608.54	166.94
<i>For Up To 15, Add</i>	20.60	
<i>For >35, Deduct</i>	-13.73	
<i>For 3 In 12 Slope, Add</i>	8.24	
<i>For 5 In 12 Slope, Add</i>	21.97	
<i>For 6 In 12 Slope, Add</i>	41.20	
<i>For 7 In 12 Slope, Add</i>	54.93	
<i>For 8 In 12 Slope, Add</i>	65.92	
06 17 53 00-0025 EA 56' Pre-Assembled Wood Roof Truss, 4 In 12 Slope.....	632.63	154.75
<i>For Up To 15, Add</i>	21.61	
<i>For >35, Deduct</i>	-14.41	
<i>For 3 In 12 Slope, Add</i>	8.64	
<i>For 5 In 12 Slope, Add</i>	23.05	
<i>For 6 In 12 Slope, Add</i>	43.22	
<i>For 7 In 12 Slope, Add</i>	57.63	
<i>For 8 In 12 Slope, Add</i>	69.16	
06 17 53 00-0026 EA 58' Pre-Assembled Wood Roof Truss, 4 In 12 Slope.....	653.94	174.89
<i>For Up To 15, Add</i>	22.81	
<i>For >35, Deduct</i>	-15.21	
<i>For 3 In 12 Slope, Add</i>	9.12	
<i>For 5 In 12 Slope, Add</i>	24.33	
<i>For 6 In 12 Slope, Add</i>	45.62	
<i>For 7 In 12 Slope, Add</i>	60.83	
<i>For 8 In 12 Slope, Add</i>	73.00	
06 17 53 00-0027 EA 60' Pre-Assembled Wood Roof Truss, 4 In 12 Slope.....	667.48	177.54
<i>For Up To 15, Add</i>	23.43	
<i>For >35, Deduct</i>	-15.62	
<i>For 3 In 12 Slope, Add</i>	9.37	
<i>For 5 In 12 Slope, Add</i>	24.99	
<i>For 6 In 12 Slope, Add</i>	46.86	
<i>For 7 In 12 Slope, Add</i>	62.48	
<i>For 8 In 12 Slope, Add</i>	74.98	
06 17 53 00-0028 Pre-Assembled Wood Gable End Roof Trusses <small>(06 17 53)</small>		
<small>Note: 24" on center gable studs. Includes 2" x 4" top and bottom chords up to 42' and with 2" x 6" top and bottom chords >42'.</small>		
06 17 53 00-0029 EA 10' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope.....	150.24	55.65
<i>For 3 In 12 Slope, Add</i>	1.17	
<i>For 5 In 12 Slope, Add</i>	3.12	
<i>For 6 In 12 Slope, Add</i>	5.84	
<i>For 7 In 12 Slope, Add</i>	7.79	
<i>For 8 In 12 Slope, Add</i>	9.35	
<i>For 16" On Center Gable Studs, Add</i>	7.79	
06 17 53 00-0030 EA 12' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope.....	167.38	60.95
<i>For 3 In 12 Slope, Add</i>	1.36	
<i>For 5 In 12 Slope, Add</i>	3.64	
<i>For 6 In 12 Slope, Add</i>	6.82	
<i>For 7 In 12 Slope, Add</i>	9.10	
<i>For 8 In 12 Slope, Add</i>	10.92	
<i>For 16" On Center Gable Studs, Add</i>	9.10	

06 Wood, Plastics, and Composites**06 10 Rough Carpentry****06 17 Shop-Fabricated Structural Wood**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 17 53 00-0031 EA 14' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope.....	187.24	66.24
For 3 In 12 Slope, Add	1.64	
For 5 In 12 Slope, Add	4.38	
For 6 In 12 Slope, Add	8.21	
For 7 In 12 Slope, Add	10.95	
For 8 In 12 Slope, Add	13.14	
For 16" On Center Gable Studs, Add	10.95	
06 17 53 00-0032 EA 16' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope.....	214.22	71.54
For 3 In 12 Slope, Add	2.13	
For 5 In 12 Slope, Add	5.69	
For 6 In 12 Slope, Add	10.67	
For 7 In 12 Slope, Add	14.23	
For 8 In 12 Slope, Add	17.07	
For 16" On Center Gable Studs, Add	14.23	
06 17 53 00-0033 EA 18' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope.....	237.10	76.85
For 3 In 12 Slope, Add	2.50	
For 5 In 12 Slope, Add	6.67	
For 6 In 12 Slope, Add	12.51	
For 7 In 12 Slope, Add	16.68	
For 8 In 12 Slope, Add	20.02	
For 16" On Center Gable Studs, Add	16.68	
06 17 53 00-0034 EA 20' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope.....	257.36	84.80
For 3 In 12 Slope, Add	2.63	
For 5 In 12 Slope, Add	7.02	
For 6 In 12 Slope, Add	13.17	
For 7 In 12 Slope, Add	17.55	
For 8 In 12 Slope, Add	21.06	
For 16" On Center Gable Studs, Add	17.55	
06 17 53 00-0035 EA 22' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope.....	270.51	90.10
For 3 In 12 Slope, Add	2.71	
For 5 In 12 Slope, Add	7.23	
For 6 In 12 Slope, Add	13.55	
For 7 In 12 Slope, Add	18.06	
For 8 In 12 Slope, Add	21.68	
For 16" On Center Gable Studs, Add	18.06	
06 17 53 00-0036 EA 24' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope.....	288.77	95.39
For 3 In 12 Slope, Add	2.94	
For 5 In 12 Slope, Add	7.84	
For 6 In 12 Slope, Add	14.70	
For 7 In 12 Slope, Add	19.60	
For 8 In 12 Slope, Add	23.52	
For 16" On Center Gable Studs, Add	19.60	
06 17 53 00-0037 EA 26' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope.....	307.84	100.69
For 3 In 12 Slope, Add	3.19	
For 5 In 12 Slope, Add	8.52	
For 6 In 12 Slope, Add	15.97	
For 7 In 12 Slope, Add	21.29	
For 8 In 12 Slope, Add	25.55	
For 16" On Center Gable Studs, Add	21.29	
06 17 53 00-0038 EA 28' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope.....	328.06	105.99
For 3 In 12 Slope, Add	3.48	
For 5 In 12 Slope, Add	9.29	
For 6 In 12 Slope, Add	17.41	
For 7 In 12 Slope, Add	23.21	
For 8 In 12 Slope, Add	27.86	
For 16" On Center Gable Studs, Add	23.21	
06 17 53 00-0039 EA 30' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope.....	343.34	111.30
For 3 In 12 Slope, Add	3.62	
For 5 In 12 Slope, Add	9.66	
For 6 In 12 Slope, Add	18.11	
For 7 In 12 Slope, Add	24.15	
For 8 In 12 Slope, Add	28.98	
For 16" On Center Gable Studs, Add	24.15	
06 17 53 00-0040 EA 32' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope.....	360.73	113.94
For 3 In 12 Slope, Add	3.99	
For 5 In 12 Slope, Add	10.63	
For 6 In 12 Slope, Add	19.93	
For 7 In 12 Slope, Add	26.57	
For 8 In 12 Slope, Add	31.88	
For 16" On Center Gable Studs, Add	26.57	
06 17 53 00-0041 EA 34' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope.....	397.75	119.25
For 3 In 12 Slope, Add	4.78	
For 5 In 12 Slope, Add	12.74	
For 6 In 12 Slope, Add	23.89	
For 7 In 12 Slope, Add	31.85	
For 8 In 12 Slope, Add	38.22	
For 16" On Center Gable Studs, Add	31.85	
06 17 53 00-0042 EA 36' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope.....	415.60	121.89
For 3 In 12 Slope, Add	5.15	
For 5 In 12 Slope, Add	13.75	
For 6 In 12 Slope, Add	25.77	
For 7 In 12 Slope, Add	34.36	
For 8 In 12 Slope, Add	41.24	
For 16" On Center Gable Studs, Add	34.36	



Wood, Plastics, and Composites	06	06
Rough Carpentry	06 10	
Shop-Fabricated Structural Wood	06 17	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 17 53 00-0043 EA 38' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope	437.94	127.19
For 3 In 12 Slope, Add	5.51	
For 5 In 12 Slope, Add	14.68	
For 6 In 12 Slope, Add	27.53	
For 7 In 12 Slope, Add	36.71	
For 8 In 12 Slope, Add	44.05	
For 16" On Center Gable Studs, Add	36.71	
06 17 53 00-0044 EA 40' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope	464.28	132.50
For 3 In 12 Slope, Add	5.98	
For 5 In 12 Slope, Add	15.94	
For 6 In 12 Slope, Add	29.90	
For 7 In 12 Slope, Add	39.86	
For 8 In 12 Slope, Add	47.83	
For 16" On Center Gable Studs, Add	39.86	
06 17 53 00-0045 EA 42' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope	517.03	137.79
For 3 In 12 Slope, Add	7.24	
For 5 In 12 Slope, Add	19.32	
For 6 In 12 Slope, Add	36.22	
For 7 In 12 Slope, Add	48.29	
For 8 In 12 Slope, Add	57.95	
For 16" On Center Gable Studs, Add	48.29	
06 17 53 00-0046 EA 44' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope	568.61	143.09
For 3 In 12 Slope, Add	8.47	
For 5 In 12 Slope, Add	22.59	
For 6 In 12 Slope, Add	42.36	
For 7 In 12 Slope, Add	56.49	
For 8 In 12 Slope, Add	67.78	
For 16" On Center Gable Studs, Add	56.49	
06 17 53 00-0047 EA 46' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope	588.31	148.39
For 3 In 12 Slope, Add	8.75	
For 5 In 12 Slope, Add	23.32	
For 6 In 12 Slope, Add	43.73	
For 7 In 12 Slope, Add	58.31	
For 8 In 12 Slope, Add	69.97	
For 16" On Center Gable Studs, Add	58.31	
06 17 53 00-0048 EA 48' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope	619.00	153.69
For 3 In 12 Slope, Add	9.35	
For 5 In 12 Slope, Add	24.93	
For 6 In 12 Slope, Add	46.74	
For 7 In 12 Slope, Add	62.32	
For 8 In 12 Slope, Add	74.79	
For 16" On Center Gable Studs, Add	62.32	
06 17 53 00-0049 EA 50' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope	675.56	158.99
For 3 In 12 Slope, Add	10.73	
For 5 In 12 Slope, Add	28.61	
For 6 In 12 Slope, Add	53.64	
For 7 In 12 Slope, Add	71.52	
For 8 In 12 Slope, Add	85.82	
For 16" On Center Gable Studs, Add	71.52	
06 17 53 00-0050 EA 52' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope	690.93	164.29
For 3 In 12 Slope, Add	10.87	
For 5 In 12 Slope, Add	28.99	
For 6 In 12 Slope, Add	54.35	
For 7 In 12 Slope, Add	72.47	
For 8 In 12 Slope, Add	86.96	
For 16" On Center Gable Studs, Add	72.47	
06 17 53 00-0051 EA 54' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope	713.74	166.94
For 3 In 12 Slope, Add	11.40	
For 5 In 12 Slope, Add	30.39	
For 6 In 12 Slope, Add	56.98	
For 7 In 12 Slope, Add	75.97	
For 8 In 12 Slope, Add	91.17	
For 16" On Center Gable Studs, Add	75.97	
06 17 53 00-0052 EA 56' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope	742.99	172.24
For 3 In 12 Slope, Add	11.96	
For 5 In 12 Slope, Add	31.88	
For 6 In 12 Slope, Add	59.78	
For 7 In 12 Slope, Add	79.70	
For 8 In 12 Slope, Add	95.64	
For 16" On Center Gable Studs, Add	79.70	
06 17 53 00-0053 EA 58' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope	770.42	174.89
For 3 In 12 Slope, Add	12.62	
For 5 In 12 Slope, Add	33.65	
For 6 In 12 Slope, Add	63.10	
For 7 In 12 Slope, Add	84.13	
For 8 In 12 Slope, Add	100.95	
For 16" On Center Gable Studs, Add	84.13	
06 17 53 00-0054 EA 60' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope	787.13	177.54
For 3 In 12 Slope, Add	12.96	
For 5 In 12 Slope, Add	34.56	
For 6 In 12 Slope, Add	64.81	
For 7 In 12 Slope, Add	86.41	
For 8 In 12 Slope, Add	103.69	
For 16" On Center Gable Studs, Add	86.41	

06 Wood, Plastics, and Composites**06 10 Rough Carpentry****06 18 Glued-Laminated Construction**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST**06 18 Glued-Laminated Construction** (06 10)**06 18 13 Glued-Laminated Beams** (06 18)**06 18 13 00-0001 Glue Laminated Straight Beams** (06 18 13)

Note: Based on southern yellow pine or hemlock lumber with waterproof glue and factor applied sealer.

06 18 13 00-0002	LF	3-1/2" x 6" Glue Laminated Straight Beam	7.94	2.35
06 18 13 00-0003	LF	3-1/2" x 7-1/2" Glue Laminated Straight Beam	9.92	2.93
06 18 13 00-0004	LF	3-1/2" x 9" Glue Laminated Straight Beam	11.90	3.53
06 18 13 00-0005	LF	3-1/2" x 9-1/2" Glue Laminated Straight Beam	12.56	3.73
06 18 13 00-0006	LF	3-1/2" x 10-1/2" Glue Laminated Straight Beam	13.87	4.11
06 18 13 00-0007	LF	3-1/2" x 12" Glue Laminated Straight Beam	15.86	4.70
06 18 13 00-0008	LF	3-1/2" x 13-1/2" Glue Laminated Straight Beam	17.86	5.29
06 18 13 00-0009	LF	3-1/2" x 14" Glue Laminated Straight Beam	18.52	5.48
06 18 13 00-0010	LF	3-1/2" x 15" Glue Laminated Straight Beam	19.85	5.87
06 18 13 00-0011	LF	3-1/2" x 16" Glue Laminated Straight Beam	21.16	6.27
06 18 13 00-0012	LF	3-1/2" x 16-1/2" Glue Laminated Straight Beam	21.82	6.47
06 18 13 00-0013	LF	3-1/2" x 18" Glue Laminated Straight Beam	23.80	7.05
06 18 13 00-0014	LF	3-1/2" x 19-1/2" Glue Laminated Straight Beam	25.79	7.65
06 18 13 00-0015	LF	3-1/2" x 21" Glue Laminated Straight Beam	27.77	8.23
06 18 13 00-0016	LF	3-1/2" x 22.5" Glue Laminated Straight Beam	29.76	8.82
06 18 13 00-0017	LF	5-1/2" x 6" Glue Laminated Straight Beam	12.46	3.69
06 18 13 00-0018	LF	5-1/2" x 7-1/2" Glue Laminated Straight Beam	15.59	4.63
06 18 13 00-0019	LF	5-1/2" x 9" Glue Laminated Straight Beam	18.70	5.54
06 18 13 00-0020	LF	5-1/2" x 9-1/2" Glue Laminated Straight Beam	19.74	5.85
06 18 13 00-0021	LF	5-1/2" x 10-1/2" Glue Laminated Straight Beam	21.82	6.47
06 18 13 00-0022	LF	5-1/2" x 12" Glue Laminated Straight Beam	24.94	7.39
06 18 13 00-0023	LF	5-1/2" x 13-1/2" Glue Laminated Straight Beam	28.06	8.32
06 18 13 00-0024	LF	5-1/2" x 14" Glue Laminated Straight Beam	29.09	8.62
06 18 13 00-0025	LF	5-1/2" x 15" Glue Laminated Straight Beam	31.17	9.23
06 18 13 00-0026	LF	5-1/2" x 16" Glue Laminated Straight Beam	33.25	9.85
06 18 13 00-0027	LF	5-1/2" x 16-1/2" Glue Laminated Straight Beam	34.29	10.16
06 18 13 00-0028	LF	5-1/2" x 18" Glue Laminated Straight Beam	37.40	11.08
06 18 13 00-0029	LF	5-1/2" x 19-1/2" Glue Laminated Straight Beam	40.52	12.02
06 18 13 00-0030	LF	5-1/2" x 21" Glue Laminated Straight Beam	43.64	12.93
06 18 13 00-0031	LF	5-1/2" x 22.5" Glue Laminated Straight Beam	46.76	13.86
06 18 13 00-0032	LF	5-1/2" x 24" Glue Laminated Straight Beam	49.87	14.78
06 18 13 00-0033	LF	6-3/4" x 9" Glue Laminated Straight Beam	22.96	6.81
06 18 13 00-0034	LF	6-3/4" x 9-1/2" Glue Laminated Straight Beam	24.23	7.18
06 18 13 00-0035	LF	6-3/4" x 10-1/2" Glue Laminated Straight Beam	26.78	7.94
06 18 13 00-0036	LF	6-3/4" x 12" Glue Laminated Straight Beam	30.61	9.06
06 18 13 00-0037	LF	6-3/4" x 13-1/2" Glue Laminated Straight Beam	34.44	10.20
06 18 13 00-0038	LF	6-3/4" x 14" Glue Laminated Straight Beam	35.70	10.58
06 18 13 00-0039	LF	6-3/4" x 15" Glue Laminated Straight Beam	38.25	11.34
06 18 13 00-0040	LF	6-3/4" x 16" Glue Laminated Straight Beam	40.81	12.08
06 18 13 00-0041	LF	6-3/4" x 16-1/2" Glue Laminated Straight Beam	42.08	12.47
06 18 13 00-0042	LF	6-3/4" x 18" Glue Laminated Straight Beam	45.89	13.60
06 18 13 00-0043	LF	6-3/4" x 19-1/2" Glue Laminated Straight Beam	49.73	14.75
06 18 13 00-0044	LF	6-3/4" x 21" Glue Laminated Straight Beam	53.57	15.87
06 18 13 00-0045	LF	6-3/4" x 22.5" Glue Laminated Straight Beam	57.38	17.00
06 18 13 00-0046	LF	6-3/4" x 24" Glue Laminated Straight Beam	61.21	18.14
06 18 13 00-0047	LF	8-3/4" x 9" Glue Laminated Straight Beam	29.76	8.82
06 18 13 00-0048	LF	8-3/4" x 9-1/2" Glue Laminated Straight Beam	31.41	9.30
06 18 13 00-0049	LF	8-3/4" x 10-1/2" Glue Laminated Straight Beam	34.71	10.29
06 18 13 00-0050	LF	8-3/4" x 12" Glue Laminated Straight Beam	39.66	11.76
06 18 13 00-0051	LF	8-3/4" x 13-1/2" Glue Laminated Straight Beam	44.64	13.23
06 18 13 00-0052	LF	8-3/4" x 14" Glue Laminated Straight Beam	46.28	13.71
06 18 13 00-0053	LF	8-3/4" x 15" Glue Laminated Straight Beam	49.59	14.69
06 18 13 00-0054	LF	8-3/4" x 16" Glue Laminated Straight Beam	52.89	15.68
06 18 13 00-0055	LF	8-3/4" x 16-1/2" Glue Laminated Straight Beam	54.55	16.16
06 18 13 00-0056	LF	8-3/4" x 18" Glue Laminated Straight Beam	59.51	17.63
06 18 13 00-0057	LF	8-3/4" x 19-1/2" Glue Laminated Straight Beam	64.47	19.10
06 18 13 00-0058	LF	8-3/4" x 21" Glue Laminated Straight Beam	69.43	20.58
06 18 13 00-0059	LF	8-3/4" x 22.5" Glue Laminated Straight Beam	74.39	22.05
06 18 13 00-0060	LF	8-3/4" x 24" Glue Laminated Straight Beam	79.34	23.52

06 18 13 00-0061 Glue Laminated Decking (06 18 13)

06 18 13 00-0062	LF	2" - 4" Thick x 4" Wide Glue Laminated Decking	4.14	1.56
06 18 13 00-0063	LF	2" - 4" Thick x 6" Wide Glue Laminated Decking	4.25	1.56
06 18 13 00-0064	LF	2" - 4" Thick x 8" Wide Glue Laminated Decking	4.36	1.47

06 18 16 Glued-Laminated Columns (06 18)**06 18 16 00-0001 Glue Laminated Structural Units** (06 18 16)

Note: Based on southern yellow pine or hemlock lumber in 2" laminations with waterproof glue and factor applied sealer.

06 18 16 00-0002	LF	3-1/4" x 7-1/2" Glue Laminated Purlin Or Column	12.25	3.18
06 18 16 00-0003	LF	3-1/4" x 9-1/4" Glue Laminated Purlin Or Column	13.81	3.54
06 18 16 00-0004	LF	5-1/4" x 9-1/4" Glue Laminated Purlin Or Column	25.89	7.56



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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06 18 16 00-0005 LF 5-1/4" x 13" Glue Laminated Purlin Or Column.....	28.47	7.93
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06 20 Finish Carpentry ⁽⁰⁶⁾

06 22 Millwork ^(06 20)

06 22 13 Standard Pattern Wood Trim ^(06 22)

06 22 13 00-0001 Pine Moldings (All Dimensions Are Nominal) ^(06 22 13)

06 22 13 00-0002 LF 1/4" x 1-1/4" Wood Lattice Strip	2.12	0.90
<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.34	
06 22 13 00-0003 LF 1/4" x 1-5/8" Wood Lattice Strip	2.19	0.72
<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.34	
06 22 13 00-0004 LF 1/4" x 2-1/2" Wood Lattice Strip	2.61	0.72
<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.34	
06 22 13 00-0005 LF 1/4" x 3-1/2" Wood Lattice Strip	2.86	0.72
<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.34	

06 22 13 00-0006 Ceilings (All Dimensions Are Nominal) ^(06 22 13)

06 22 13 00-0007 White Pine ^(06 22 13 00-0006)

06 22 13 00-0008 LF 9/16" x 3-5/8" White Pine Crown Or Bed Molding.....	8.94	3.17
<i>For Birch, Add</i>	1.59	
<i>For Mahogany, Oak, Maple Or Walnut, Add</i>	2.44	
<i>For Poplar, Add</i>	0.89	
<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.04	
<i>For Stain Grade Material (No Finger Joints), Add</i>	0.58	
06 22 13 00-0009 LF 11/16" x 4-5/8" White Pine Crown Or Bed Molding.....	11.74	3.80
<i>For Birch, Add</i>	2.28	
<i>For Mahogany, Oak, Maple Or Walnut, Add</i>	3.39	
<i>For Poplar, Add</i>	1.26	
<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.25	
<i>For Stain Grade Material (No Finger Joints), Add</i>	0.82	
06 22 13 00-0010 LF 3/4" x 3/4" White Pine Crown Or Bed Molding.....	4.94	2.17
<i>For Birch, Add</i>	0.48	
<i>For Mahogany, Oak, Maple Or Walnut, Add</i>	0.96	
<i>For Poplar, Add</i>	0.26	
<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.83	
<i>For Stain Grade Material (No Finger Joints), Add</i>	0.17	
06 22 13 00-0011 LF 9/16" x 1-5/8" White Pine Crown Or Bed Molding.....	5.42	2.17
<i>For Birch, Add</i>	0.65	
<i>For Mahogany, Oak, Maple Or Walnut, Add</i>	1.17	
<i>For Poplar, Add</i>	0.36	
<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.83	
<i>For Stain Grade Material (No Finger Joints), Add</i>	0.23	
06 22 13 00-0012 LF 9/16" x 2-1/4" White Pine Crown Or Bed Molding.....	7.00	2.72
<i>For Birch, Add</i>	0.90	
<i>For Mahogany, Oak, Maple Or Walnut, Add</i>	1.57	
<i>For Poplar, Add</i>	0.50	
<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.04	
<i>For Stain Grade Material (No Finger Joints), Add</i>	0.32	
06 22 13 00-0013 LF 3/4" x 3-1/2" White Pine Crown Or Bed Molding.....	7.79	2.72
<i>For Birch, Add</i>	1.18	
<i>For Mahogany, Oak, Maple Or Walnut, Add</i>	1.93	
<i>For Poplar, Add</i>	0.66	
<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.04	
<i>For Stain Grade Material (No Finger Joints), Add</i>	0.43	
06 22 13 00-0014 LF 5/8" x 4-1/4" White Pine Crown Or Bed Molding.....	9.61	3.26
<i>For Birch, Add</i>	1.51	
<i>For Mahogany, Oak, Maple Or Walnut, Add</i>	2.43	
<i>For Poplar, Add</i>	0.84	
<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.25	
<i>For Stain Grade Material (No Finger Joints), Add</i>	0.54	
06 22 13 00-0015 LF 1" x 2" White Pine Dentil Molding	5.06	2.53
<i>For Birch, Add</i>	0.52	
<i>For Mahogany, Oak, Maple Or Walnut, Add</i>	1.01	
<i>For Poplar, Add</i>	0.29	
<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.83	
<i>For Stain Grade Material (No Finger Joints), Add</i>	0.19	
06 22 13 00-0016 LF 9/16" x 1-3/4" White Pine Cove Molding.....	4.14	1.90
<i>For Birch, Add</i>	0.51	
<i>For Mahogany, Oak, Maple Or Walnut, Add</i>	0.91	
<i>For Poplar, Add</i>	0.28	
<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.63	
<i>For Stain Grade Material (No Finger Joints), Add</i>	0.18	
06 22 13 00-0017 LF 11/16" x 2-3/4" White Pine Cove Molding.....	5.65	1.90
<i>For Birch, Add</i>	1.05	
<i>For Mahogany, Oak, Maple Or Walnut, Add</i>	1.59	
<i>For Poplar, Add</i>	0.59	
<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.63	
<i>For Stain Grade Material (No Finger Joints), Add</i>	0.38	

06 Wood, Plastics, and Composites**06 20 Finish Carpentry****06 22 Millwork**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 22 13 00-0018	LF		3/8" x 3/8" White Pine Cove Molding	2.55	1.09
			For Birch, Add	0.24	
			For Mahogany, Oak, Maple Or Walnut, Add	0.49	
			For Poplar, Add	0.13	
			For Curved Surfaces With A 2'-0" Maximum Radius, Add	0.43	
			For Stain Grade Material (No Finger Joints), Add	0.09	
06 22 13 00-0019	LF		1/2" x 1/2" White Pine Cove Molding	2.72	1.09
			For Birch, Add	0.30	
			For Mahogany, Oak, Maple Or Walnut, Add	0.57	
			For Poplar, Add	0.17	
			For Curved Surfaces With A 2'-0" Maximum Radius, Add	0.43	
			For Stain Grade Material (No Finger Joints), Add	0.11	
06 22 13 00-0020	LF		5/8" x 5/8" White Pine Cove Molding	3.53	1.36
			For Birch, Add	0.46	
			For Mahogany, Oak, Maple Or Walnut, Add	0.80	
			For Poplar, Add	0.25	
			For Curved Surfaces With A 2'-0" Maximum Radius, Add	0.52	
			For Stain Grade Material (No Finger Joints), Add	0.17	
06 22 13 00-0021	LF		3/4" x 3/4" White Pine Cove Molding	3.53	1.36
			For Birch, Add	0.46	
			For Mahogany, Oak, Maple Or Walnut, Add	0.80	
			For Poplar, Add	0.25	
			For Curved Surfaces With A 2'-0" Maximum Radius, Add	0.52	
			For Stain Grade Material (No Finger Joints), Add	0.17	
06 22 13 00-0022	LF		15/16" x 15/16" White Pine Cove Molding	4.30	1.36
			For Birch, Add	0.73	
			For Mahogany, Oak, Maple Or Walnut, Add	1.14	
			For Poplar, Add	0.41	
			For Curved Surfaces With A 2'-0" Maximum Radius, Add	0.52	
			For Stain Grade Material (No Finger Joints), Add	0.27	
06 22 13 00-0023	LF		7-1/2" Wide Mullion Covers.....	23.22	1.63
			For Curved Surfaces With A 2'-0" Maximum Radius, Add	0.74	
06 22 13 00-0024	LF		Three Piece Mullion Trim, 2 Cove Moldings	29.04	1.63
			For Curved Surfaces With A 2'-0" Maximum Radius, Add	0.74	
06 22 13 00-0025			Cedar Trim (06 22 13 00-0006)		
06 22 13 00-0026	LF		2" x 4" Cedar Ceiling Trim.....	8.72	4.55
			For Curved Surfaces With A 2'-0" Maximum Radius, Add	1.51	
06 22 13 00-0027			Oak Trim (06 22 13 00-0006)		
06 22 13 00-0028	LF		1" x 8" Clear Oak Ceiling Trim	8.76	4.20
			For Curved Surfaces With A 2'-0" Maximum Radius, Add	1.40	
06 22 13 00-0029			Closet Poles (06 22 13)		
06 22 13 00-0030	LF		1-1/8" Diameter Pine Closet Poles.....	6.46	2.35
06 22 13 00-0031	LF		1-5/8" Diameter Pine Closet Poles.....	8.53	2.35
06 22 13 00-0032	LF		2" Diameter Pine Closet Poles.....	10.86	2.62
06 25			Prefinished Paneling (06 20)		
06 25 16			Prefinished Plywood Paneling (06 25)		
06 25 16 00-0001			Hardboard Panels (06 25 16) Note: Excludes furring and trim.		
06 25 16 00-0002			Tempered Hardboard Panels (06 25 16 00-0001)		
06 25 16 00-0003	SF		1/4" Tempered Hardboard Panels	4.50	1.64
			For Waterproof Glue, Add	0.05	
			For Ceiling Installation, Add	1.12	
			For Glue Laminated Installation, Add	0.23	
			For 1/8" Thick Paneling, Deduct	-0.39	
			For 1/2" Thick Paneling, Add	0.86	
			For 5/8" Thick Paneling, Add	1.03	
			For 3/4" Thick Paneling, Add	1.23	
			For Fire Retardant Treatment (Class I), Add	0.61	
06 25 16 00-0004	SF		1/4" Plastic Faced Tempered Hardboard Panels	5.07	2.01
			For Waterproof Glue, Add	0.05	
			For Ceiling Installation, Add	1.31	
			For Glue Laminated Installation, Add	0.25	
			For 1/8" Thick Paneling, Deduct	-0.42	
			For 1/2" Thick Paneling, Add	0.90	
			For 5/8" Thick Paneling, Add	1.05	
			For 3/4" Thick Paneling, Add	1.24	
			For Fire Retardant Treatment (Class I), Add	0.55	



Wood, Plastics, and Composites	06	06
Finish Carpentry	06 20	
Prefinished Paneling	06 25	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 25 16 00-0005 SF 1/4" Pegboard Tempered Hardboard Panels.....	5.03	1.64
For Waterproof Glue, Add	0.09	
For Ceiling Installation, Add	1.12	
For Glue Laminated Installation, Add	0.25	
For 1/8" Thick Paneling, Deduct	-0.48	
For 1/2" Thick Paneling, Add	1.15	
For 5/8" Thick Paneling, Add	1.42	
For 3/4" Thick Paneling, Add	1.77	
For Fire Retardant Treatment (Class I), Add	1.03	
06 25 16 00-0006 SF 1/4" Plastic Faced Pegboard Tempered Hardboard	5.23	2.01
For Waterproof Glue, Add	0.06	
For Ceiling Installation, Add	1.31	
For Glue Laminated Installation, Add	0.26	
For 1/8" Thick Paneling, Deduct	-0.45	
For 1/2" Thick Paneling, Add	0.99	
For 5/8" Thick Paneling, Add	1.17	
For 3/4" Thick Paneling, Add	1.40	
For Fire Retardant Treatment (Class I), Add	0.68	
06 25 16 00-0007 Untempered Hardboard Panels (06 25 16 00-0001)		
06 25 16 00-0008 SF 1/4" Untempered Hardboard Panels.....	4.33	1.64
For Waterproof Glue, Add	0.04	
For Glue Laminated Installation, Add	0.22	
For Lumber Core, Add	0.07	
For Fire Retardant Treatment (Class I), Add	0.47	

06 40 Architectural Woodwork (06)

06 41 Architectural Wood Casework (06 40)

06 41 13 Wood-Veneer-Faced Architectural Cabinets (06 41)

06 41 13 00-0001 Wood-Veneer Faced Cabinets (06 41 13)

Note: AWI Custom Grade, good quality mill-made modular units, prefinished with solid hardwood face frames, hardwood door frames and drawer fronts, hardwood veneer on raised door panels (front and back), glued mortise, dowel, and dado joint construction, full backs (1/8" vinyl laminated plywood), vinyl laminated cabinet interiors, vinyl laminated composition drawer bodies with nylon and metal guides. Includes self-closing hinges, door and drawer pulls, mounting hardware and adjustable shelves. Use appropriate modifiers for the following grades: Economy Grade - Cabinets with melamine laminated to particleboard, in textured colors or wood grain print finish; Premium Grade - Cabinets with solid hardwood fronts and frames, mitered corners and solid wood drawer bodies with steel guides and ball bearings; Laboratory Grade - Cabinets with chemical resistant finish on premium grade.

06 41 13 00-0002 Base Cabinets (06 41 13 00-0001)

Note: Excludes tops or finish.

06 41 13 00-0003 Base Cabinets, Single Drawer And Single Door (06 41 13 00-0002)

06 41 13 00-0004 Base Cabinets 34-1/2" High x 24" Deep (06 41 13 00-0003)

06 41 13 00-0005 EA Up To 15" Width, 34-1/2" High x 24" Deep Base Cabinet.....	290.58	51.54
Note: Prefinished with solid hardwood face frames, hardwood door frames and drawer fronts. Hardwood veneer on raised door panels. Excludes top.		
For ADA Cabinet Units (Includes All ADA Hardware), Add	43.42	
For 3 Drawer Unit, Add	86.84	
For 4 Drawer Unit, Add	108.55	
For Plastic Laminate On Particle Board, Deduct	-43.42	
Note: (Plastic Laminate On Hardwood For Doors)		
For Premium Grade Plywood With Plastic Laminate, Deduct	-21.71	
For Economy Grade, Deduct	-86.84	
For Premium Grade, Add	108.55	
For Laboratory Grade, Add	141.11	
For Unfinished (Natural, Wood), Deduct	-32.56	
06 41 13 00-0006 EA >15" To 18" Width, 34-1/2" High x 24" Deep Base Cabinet.....	322.21	63.30
Note: Prefinished with solid hardwood face frames, hardwood door frames and drawer fronts. Hardwood veneer on raised door panels. Excludes top.		
For ADA Cabinet Units (Includes All ADA Hardware), Add	46.41	
For 3 Drawer Unit, Add	92.83	
For 4 Drawer Unit, Add	116.04	
For Plastic Laminate On Particle Board, Deduct	-46.41	
Note: (Plastic Laminate On Hardwood For Doors)		
For Premium Grade Plywood With Plastic Laminate, Deduct	-23.21	
For Economy Grade, Deduct	-92.83	
For Premium Grade, Add	116.04	
For Laboratory Grade, Add	150.85	
For Unfinished (Natural, Wood), Deduct	-34.81	

06 Wood, Plastics, and Composites**06 40 Architectural Woodwork****06 41 Architectural Wood Casework**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 41 13 00-0007	EA		>18" To 21" Width, 34-1/2" High x 24" Deep Base Cabinet..... Note: Prefinished with solid hardwood face frames, hardwood door frames and drawer fronts. Hardwood veneer on raised door panels. Excludes top. <i>For ADA Cabinet Units (Includes All ADA Hardware), Add</i> <i>For 3 Drawer Unit, Add</i> <i>For 4 Drawer Unit, Add</i> <i>For Plastic Laminate On Particle Board, Deduct</i> Note: (Plastic Laminate On Hardwood For Doors) <i>For Premium Grade Plywood With Plastic Laminate, Deduct</i> <i>For Economy Grade, Deduct</i> <i>For Premium Grade, Add</i> <i>For Laboratory Grade, Add</i> <i>For Unfinished (Natural, Wood), Deduct</i>	346.39 48.66 97.32 121.65 -48.66 -24.33 -97.32 121.65 158.15 -36.50	72.35
06 41 13 00-0008	EA		>21" To 24" Width, 34-1/2" High x 24" Deep Base Cabinet..... Note: Prefinished with solid hardwood face frames, hardwood door frames and drawer fronts. Hardwood veneer on raised door panels. Excludes top. <i>For ADA Cabinet Units (Includes All ADA Hardware), Add</i> <i>For 3 Drawer Unit, Add</i> <i>For 4 Drawer Unit, Add</i> <i>For Plastic Laminate On Particle Board, Deduct</i> Note: (Plastic Laminate On Hardwood For Doors) <i>For Premium Grade Plywood With Plastic Laminate, Deduct</i> <i>For Economy Grade, Deduct</i> <i>For Premium Grade, Add</i> <i>For Laboratory Grade, Add</i> <i>For Unfinished (Natural, Wood), Deduct</i>	397.07 55.45 110.90 138.63 -55.45 -27.73 -110.90 138.63 180.22 -41.59	84.10
06 41 13 00-0009			Base Cabinets 30" High x 24" Deep (06 41 13 00-0003)		
06 41 13 00-0010	EA		Up To 15" Width, 30" High x 24" Deep Base Cabinet..... Note: Prefinished with solid hardwood face frames, hardwood door frames and drawer fronts. Hardwood veneer on raised door panels. Excludes top. <i>For ADA Cabinet Units (Includes All ADA Hardware), Add</i> <i>For 3 Drawer Unit, Add</i> <i>For 4 Drawer Unit, Add</i> <i>For Plastic Laminate On Particle Board, Deduct</i> Note: (Plastic Laminate On Hardwood For Doors) <i>For Premium Grade Plywood With Plastic Laminate, Deduct</i> <i>For Economy Grade, Deduct</i> <i>For Premium Grade, Add</i> <i>For Laboratory Grade, Add</i> <i>For Unfinished (Natural, Wood), Deduct</i>	258.02 36.91 73.81 92.27 -36.91 -18.45 -73.81 92.27 119.94 -27.68	51.54
06 41 13 00-0011	EA		>15" To 18" Width, 30" High x 24" Deep Base Cabinet..... Note: Prefinished with solid hardwood face frames, hardwood door frames and drawer fronts. Hardwood veneer on raised door panels. Excludes top. <i>For ADA Cabinet Units (Includes All ADA Hardware), Add</i> <i>For 3 Drawer Unit, Add</i> <i>For 4 Drawer Unit, Add</i> <i>For Plastic Laminate On Particle Board, Deduct</i> Note: (Plastic Laminate On Hardwood For Doors) <i>For Premium Grade Plywood With Plastic Laminate, Deduct</i> <i>For Economy Grade, Deduct</i> <i>For Premium Grade, Add</i> <i>For Laboratory Grade, Add</i> <i>For Unfinished (Natural, Wood), Deduct</i>	287.40 39.45 78.90 98.63 -39.45 -19.73 -78.90 98.63 128.22 -29.59	63.30
06 41 13 00-0012	EA		>18" To 21" Width, 30" High x 24" Deep Base Cabinet..... Note: Prefinished with solid hardwood face frames, hardwood door frames and drawer fronts. Hardwood veneer on raised door panels. Excludes top. <i>For ADA Cabinet Units (Includes All ADA Hardware), Add</i> <i>For 3 Drawer Unit, Add</i> <i>For 4 Drawer Unit, Add</i> <i>For Plastic Laminate On Particle Board, Deduct</i> Note: (Plastic Laminate On Hardwood For Doors) <i>For Premium Grade Plywood With Plastic Laminate, Deduct</i> <i>For Economy Grade, Deduct</i> <i>For Premium Grade, Add</i> <i>For Laboratory Grade, Add</i> <i>For Unfinished (Natural, Wood), Deduct</i>	309.89 41.36 82.72 103.40 -41.36 -20.68 -82.72 103.40 134.42 -31.02	72.35
06 41 13 00-0013	EA		>21" To 24" Width, 30" High x 24" Deep Base Cabinet..... Note: Prefinished with solid hardwood face frames, hardwood door frames and drawer fronts. Hardwood veneer on raised door panels. Excludes top. <i>For ADA Cabinet Units (Includes All ADA Hardware), Add</i> <i>For 3 Drawer Unit, Add</i> <i>For 4 Drawer Unit, Add</i> <i>For Plastic Laminate On Particle Board, Deduct</i> Note: (Plastic Laminate On Hardwood For Doors) <i>For Premium Grade Plywood With Plastic Laminate, Deduct</i> <i>For Economy Grade, Deduct</i> <i>For Premium Grade, Add</i> <i>For Laboratory Grade, Add</i> <i>For Unfinished (Natural, Wood), Deduct</i>	355.48 47.13 94.27 117.84 -47.13 -23.57 -94.27 117.84 153.19 -35.35	83.19
06 41 13 00-0014			Base Cabinets 34-1/2" High x 24" Deep, Custom Built In Place (06 41 13 00-0003)		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 41 13 00-0015 LF Up To 15" Width, 34-1/2" High x 24" Deep Built In Place Base Cabinet.....	265.91	64.21
Note: Prefinished with solid hardwood face frames, hardwood door frames and drawer fronts. Hardwood veneer on raised door panels. Excludes top.		
For ADA Cabinet Units (Includes All ADA Hardware), Add	34.74	
For 3 Drawer Unit, Add	69.47	
For 4 Drawer Unit, Add	86.84	
For Plastic Laminate On Particle Board, Deduct	-34.74	
Note: (Plastic Laminate On Hardwood For Doors)		
For Premium Grade Plywood With Plastic Laminate, Deduct	-17.37	
For Economy Grade, Deduct	-69.47	
For Premium Grade, Add	86.84	
For Laboratory Grade, Add	112.89	
For Unfinished (Natural, Wood), Deduct	-26.05	
06 41 13 00-0016 LF >15" To 18" Width, 34-1/2" High x 24" Deep Built In Place Base Cabinet	244.24	62.40
Note: Prefinished with solid hardwood face frames, hardwood door frames and drawer fronts. Hardwood veneer on raised door panels. Excludes top.		
For ADA Cabinet Units (Includes All ADA Hardware), Add	30.94	
For 3 Drawer Unit, Add	61.88	
For 4 Drawer Unit, Add	77.36	
For Plastic Laminate On Particle Board, Deduct	-30.94	
Note: (Plastic Laminate On Hardwood For Doors)		
For Premium Grade Plywood With Plastic Laminate, Deduct	-15.47	
For Economy Grade, Deduct	-61.88	
For Premium Grade, Add	77.36	
For Laboratory Grade, Add	100.56	
For Unfinished (Natural, Wood), Deduct	-23.21	
06 41 13 00-0017 LF >18" To 24" Width, 34-1/2" High x 24" Deep Built In Place Base Cabinet	225.84	60.59
Note: Prefinished with solid hardwood face frames, hardwood door frames and drawer fronts. Hardwood veneer on raised door panels. Excludes top.		
For ADA Cabinet Units (Includes All ADA Hardware), Add	27.81	
For 3 Drawer Unit, Add	55.61	
For 4 Drawer Unit, Add	69.52	
For Plastic Laminate On Particle Board, Deduct	-27.81	
Note: (Plastic Laminate On Hardwood For Doors)		
For Premium Grade Plywood With Plastic Laminate, Deduct	-13.90	
For Economy Grade, Deduct	-55.61	
For Premium Grade, Add	69.52	
For Laboratory Grade, Add	90.37	
For Unfinished (Natural, Wood), Deduct	-20.85	
06 41 13 00-0018 LF >24" To 30" Width, 34-1/2" High x 24" Deep Built In Place Base Cabinet	208.44	57.87
Note: Prefinished with solid hardwood face frames, hardwood door frames and drawer fronts. Hardwood veneer on raised door panels. Excludes top.		
For ADA Cabinet Units (Includes All ADA Hardware), Add	25.05	
For 3 Drawer Unit, Add	50.10	
For 4 Drawer Unit, Add	62.63	
For Plastic Laminate On Particle Board, Deduct	-25.05	
Note: (Plastic Laminate On Hardwood For Doors)		
For Premium Grade Plywood With Plastic Laminate, Deduct	-12.53	
For Economy Grade, Deduct	-50.10	
For Premium Grade, Add	62.63	
For Laboratory Grade, Add	81.41	
For Unfinished (Natural, Wood), Deduct	-18.79	
06 41 13 00-0019 Base Cabinets, Double Drawer And Double Door (06 41 13 00-0002)		
06 41 13 00-0020 34-1/2" High x 24" Deep (06 41 13 00-0019)		
06 41 13 00-0021 EA 24" To 27" Wide, 34-1/2" High x 24" Deep 2-Drawer/2-Door Cabinet.....	465.24	69.18
Note: Prefinished with solid hardwood face frames, hardwood door frames and drawer fronts. Hardwood veneer on raised door panels. Excludes top.		
For ADA Cabinet Units (Includes All ADA Hardware), Add	65.38	
For Plastic Laminate On Particle Board, Deduct	-65.38	
Note: (Plastic Laminate On Hardwood For Doors)		
For Premium Grade Plywood With Plastic Laminate, Deduct	-32.69	
For Economy Grade, Deduct	-130.76	
For Premium Grade, Add	163.45	
For Laboratory Grade, Add	212.48	
For Unfinished (Natural, Wood), Deduct	-49.03	
For 3 Drawer Unit, Add	32.69	
For Sink Base With Sink Front (No Drawer), Deduct	-49.03	
06 41 13 00-0022 EA >27"-30" Wide, 34-1/2" High x 24" Deep 2-Drawer/2-Door Cabinet.....	496.26	74.15
Note: Prefinished with solid hardwood face frames, hardwood door frames and drawer fronts. Hardwood veneer on raised door panels. Excludes top.		
For ADA Cabinet Units (Includes All ADA Hardware), Add	69.59	
For Plastic Laminate On Particle Board, Deduct	-69.59	
Note: (Plastic Laminate On Hardwood For Doors)		
For Premium Grade Plywood With Plastic Laminate, Deduct	-34.80	
For Economy Grade, Deduct	-139.18	
For Premium Grade, Add	173.98	
For Laboratory Grade, Add	226.17	
For Unfinished (Natural, Wood), Deduct	-52.19	
For 3 Drawer Unit, Add	34.80	
For Sink Base With Sink Front (No Drawer), Deduct	-52.19	

06 Wood, Plastics, and Composites**06 40 Architectural Woodwork****06 41 Architectural Wood Casework**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 41 13 00-0023	EA		>30"-33" Wide, 34-1/2" High x 24" Deep 2-Drawer/2-Door Cabinet.....	516.23	75.96
			Note: Prefinished with solid hardwood face frames, hardwood door frames and drawer fronts. Hardwood veneer on raised door panels. Excludes top.		
			For ADA Cabinet Units (Includes All ADA Hardware), Add	72.86	
			For Plastic Laminate On Particle Board, Deduct	-72.86	
			Note: (Plastic Laminate On Hardwood For Doors)		
			For Premium Grade Plywood With Plastic Laminate, Deduct	-36.43	
			For Economy Grade, Deduct	-145.73	
			For Premium Grade, Add	182.16	
			For Laboratory Grade, Add	236.81	
			For Unfinished (Natural, Wood), Deduct	-54.65	
			For 3 Drawer Unit, Add	36.43	
			For Sink Base With Sink Front (No Drawer), Deduct	-54.65	
06 41 13 00-0024	EA		>33"-36" Wide, 34-1/2" High x 24" Deep 2-Drawer/2-Door Cabinet.....	529.84	77.77
			Note: Prefinished with solid hardwood face frames, hardwood door frames and drawer fronts. Hardwood veneer on raised door panels. Excludes top.		
			For ADA Cabinet Units (Includes All ADA Hardware), Add	74.86	
			For Plastic Laminate On Particle Board, Deduct	-74.86	
			Note: (Plastic Laminate On Hardwood For Doors)		
			For Premium Grade Plywood With Plastic Laminate, Deduct	-37.43	
			For Economy Grade, Deduct	-149.72	
			For Premium Grade, Add	187.15	
			For Laboratory Grade, Add	243.30	
			For Unfinished (Natural, Wood), Deduct	-56.15	
			For 3 Drawer Unit, Add	37.43	
			For Sink Base With Sink Front (No Drawer), Deduct	-56.15	
06 41 13 00-0025	EA		>36"-42" Wide, 34-1/2" High x 24" Deep 2-Drawer/2-Door Cabinet.....	567.44	84.10
			Note: Prefinished with solid hardwood face frames, hardwood door frames and drawer fronts. Hardwood veneer on raised door panels. Excludes top.		
			For ADA Cabinet Units (Includes All ADA Hardware), Add	79.85	
			For Plastic Laminate On Particle Board, Deduct	-79.85	
			Note: (Plastic Laminate On Hardwood For Doors)		
			For Premium Grade Plywood With Plastic Laminate, Deduct	-39.93	
			For Economy Grade, Deduct	-159.70	
			For Premium Grade, Add	199.63	
			For Laboratory Grade, Add	259.51	
			For Unfinished (Natural, Wood), Deduct	-59.89	
			For 3 Drawer Unit, Add	39.93	
			For Sink Base With Sink Front (No Drawer), Deduct	-59.89	
06 41 13 00-0026	EA		>42"-48" Wide, 34-1/2" High x 24" Deep 2-Drawer/2-Door Cabinet.....	607.88	94.95
			Note: Prefinished with solid hardwood face frames, hardwood door frames and drawer fronts. Hardwood veneer on raised door panels. Excludes top.		
			For ADA Cabinet Units (Includes All ADA Hardware), Add	83.59	
			For Plastic Laminate On Particle Board, Deduct	-83.59	
			Note: (Plastic Laminate On Hardwood For Doors)		
			For Premium Grade Plywood With Plastic Laminate, Deduct	-41.80	
			For Economy Grade, Deduct	-167.19	
			For Premium Grade, Add	208.99	
			For Laboratory Grade, Add	271.68	
			For Unfinished (Natural, Wood), Deduct	-62.70	
			For 3 Drawer Unit, Add	41.80	
			For Sink Base With Sink Front (No Drawer), Deduct	-62.70	
06 41 13 00-0027			30" High x 24" Deep (06 41 13 00-0019)		
06 41 13 00-0028	EA		24" Wide, 30" High x 24" Deep 2-Drawer/2-Door Cabinet.....	327.16	93.68
			Note: Prefinished with solid hardwood face frames, hardwood door frames and drawer fronts. Hardwood veneer on raised door panels. Excludes top.		
			For ADA Cabinet Units (Includes All ADA Hardware), Add	38.54	
			For Plastic Laminate On Particle Board, Deduct	-38.54	
			Note: (Plastic Laminate On Hardwood For Doors)		
			For Premium Grade Plywood With Plastic Laminate, Deduct	-19.27	
			For Economy Grade, Deduct	-77.07	
			For Premium Grade, Add	96.34	
			For Laboratory Grade, Add	125.24	
			For Unfinished (Natural, Wood), Deduct	-28.90	
			For 3 Drawer Unit, Add	19.27	
			For Sink Base With Sink Front (No Drawer), Deduct	-28.90	
06 41 13 00-0029	EA		30" Wide, 30" High x 24" Deep 2-Drawer/2-Door Cabinet.....	458.01	104.44
			Note: Prefinished with solid hardwood face frames, hardwood door frames and drawer fronts. Hardwood veneer on raised door panels. Excludes top.		
			For ADA Cabinet Units (Includes All ADA Hardware), Add	61.95	
			For Plastic Laminate On Particle Board, Deduct	-61.95	
			Note: (Plastic Laminate On Hardwood For Doors)		
			For Premium Grade Plywood With Plastic Laminate, Deduct	-30.98	
			For Economy Grade, Deduct	-123.91	
			For Premium Grade, Add	154.89	
			For Laboratory Grade, Add	201.35	
			For Unfinished (Natural, Wood), Deduct	-46.47	
			For 3 Drawer Unit, Add	30.98	
			For Sink Base With Sink Front (No Drawer), Deduct	-46.47	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 41 13 00-0030 EA 36" Wide, 30" High x 24" Deep 2-Drawer/2-Door Cabinet Note: Prefinished with solid hardwood face frames, hardwood door frames and drawer fronts. Hardwood veneer on raised door panels. Excludes top. <i>For ADA Cabinet Units (Includes All ADA Hardware), Add</i> <i>For Plastic Laminate On Particle Board, Deduct</i> Note: (Plastic Laminate On Hardwood For Doors) <i>For Premium Grade Plywood With Plastic Laminate, Deduct</i> <i>For Economy Grade, Deduct</i> <i>For Premium Grade, Add</i> <i>For Laboratory Grade, Add</i> <i>For Unfinished (Natural, Wood), Deduct</i> <i>For 3 Drawer Unit, Add</i> <i>For Sink Base With Sink Front (No Drawer), Deduct</i>	527.19 74.26 -74.26 -37.13 -148.51 185.64 241.33 -55.69 37.13 -55.69	108.24
06 41 13 00-0031 EA 42" Wide, 30" High x 24" Deep 2-Drawer/2-Door Cabinet Note: Prefinished with solid hardwood face frames, hardwood door frames and drawer fronts. Hardwood veneer on raised door panels. Excludes top. <i>For ADA Cabinet Units (Includes All ADA Hardware), Add</i> <i>For Plastic Laminate On Particle Board, Deduct</i> Note: (Plastic Laminate On Hardwood For Doors) <i>For Premium Grade Plywood With Plastic Laminate, Deduct</i> <i>For Economy Grade, Deduct</i> <i>For Premium Grade, Add</i> <i>For Laboratory Grade, Add</i> <i>For Unfinished (Natural, Wood), Deduct</i> <i>For 3 Drawer Unit, Add</i> <i>For Sink Base With Sink Front (No Drawer), Deduct</i>	627.15 91.79 -91.79 -45.89 -183.58 229.47 298.31 -68.84 45.89 -68.84	117.73
06 41 13 00-0032 EA 48" Wide, 30" High x 24" Deep 2-Drawer/2-Door Cabinet Note: Prefinished with solid hardwood face frames, hardwood door frames and drawer fronts. Hardwood veneer on raised door panels. Excludes top. <i>For ADA Cabinet Units (Includes All ADA Hardware), Add</i> <i>For Plastic Laminate On Particle Board, Deduct</i> Note: (Plastic Laminate On Hardwood For Doors) <i>For Premium Grade Plywood With Plastic Laminate, Deduct</i> <i>For Economy Grade, Deduct</i> <i>For Premium Grade, Add</i> <i>For Laboratory Grade, Add</i> <i>For Unfinished (Natural, Wood), Deduct</i> <i>For 3 Drawer Unit, Add</i> <i>For Sink Base With Sink Front (No Drawer), Deduct</i>	711.47 104.31 -104.31 -52.16 -208.63 260.79 339.02 -78.24 52.16 -78.24	132.93
06 41 13 00-0033 34-1/2" High x 24" Deep, Custom Built In Place <small>(06 41 13 00-0019)</small>		
06 41 13 00-0034 LF 24" To 30" Wide, 34-1/2" High x 24" Deep Built In Place 2-Drawer/2-Door Cabinet Note: Prefinished with solid hardwood face frames, hardwood door frames and drawer fronts. Hardwood veneer on raised door panels. Excludes top. <i>For ADA Cabinet Units (Includes All ADA Hardware), Add</i> <i>For Plastic Laminate On Particle Board, Deduct</i> Note: (Plastic Laminate On Hardwood For Doors) <i>For Premium Grade Plywood With Plastic Laminate, Deduct</i> <i>For Economy Grade, Deduct</i> <i>For Premium Grade, Add</i> <i>For Laboratory Grade, Add</i> <i>For Unfinished (Natural, Wood), Deduct</i> <i>For 3 Drawer Unit, Add</i> <i>For Sink Base With Sink Front (No Drawer), Deduct</i>	227.80 27.84 -27.84 -13.92 -55.67 69.59 90.47 -20.88 13.92 -20.88	62.40
06 41 13 00-0035 LF >30" To 36" Wide, 34-1/2" High x 24" Deep Built In Place 2-Drawer/2-Door Cabinet Note: Prefinished with solid hardwood face frames, hardwood door frames and drawer fronts. Hardwood veneer on raised door panels. Excludes top. <i>For ADA Cabinet Units (Includes All ADA Hardware), Add</i> <i>For Plastic Laminate On Particle Board, Deduct</i> Note: (Plastic Laminate On Hardwood For Doors) <i>For Premium Grade Plywood With Plastic Laminate, Deduct</i> <i>For Economy Grade, Deduct</i> <i>For Premium Grade, Add</i> <i>For Laboratory Grade, Add</i> <i>For Unfinished (Natural, Wood), Deduct</i> <i>For 3 Drawer Unit, Add</i> <i>For Sink Base With Sink Front (No Drawer), Deduct</i>	206.30 24.98 -24.98 -12.49 -49.96 62.46 81.19 -18.74 12.49 -18.74	56.97
06 41 13 00-0036 LF >36" To 42" Wide, 34-1/2" High x 24" Deep Built In Place 2-Drawer/2-Door Cabinet Note: Prefinished with solid hardwood face frames, hardwood door frames and drawer fronts. Hardwood veneer on raised door panels. Excludes top. <i>For ADA Cabinet Units (Includes All ADA Hardware), Add</i> <i>For Plastic Laminate On Particle Board, Deduct</i> Note: (Plastic Laminate On Hardwood For Doors) <i>For Premium Grade Plywood With Plastic Laminate, Deduct</i> <i>For Economy Grade, Deduct</i> <i>For Premium Grade, Add</i> <i>For Laboratory Grade, Add</i> <i>For Unfinished (Natural, Wood), Deduct</i> <i>For 3 Drawer Unit, Add</i> <i>For Sink Base With Sink Front (No Drawer), Deduct</i>	190.05 22.82 -22.82 -11.41 -45.64 57.05 74.16 -17.11 11.41 -17.11	53.35

06 Wood, Plastics, and Composites**06 40 Architectural Woodwork****06 41 Architectural Wood Casework**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 41 13 00-0037	LF		>42" To 48" Wide, 34-1/2" High x 24" Deep Built In Place 2-Drawer/2-Door Cabinet..... Note: Prefinished with solid hardwood face frames, hardwood door frames and drawer fronts. Hardwood veneer on raised door panels. Excludes top. <i>For ADA Cabinet Units (Includes All ADA Hardware), Add</i> <i>For Plastic Laminate On Particle Board, Deduct</i> Note: (Plastic Laminate On Hardwood For Doors) <i>For Premium Grade Plywood With Plastic Laminate, Deduct</i> <i>For Economy Grade, Deduct</i> <i>For Premium Grade, Add</i> <i>For Laboratory Grade, Add</i> <i>For Unfinished (Natural, Wood), Deduct</i> <i>For 3 Drawer Unit, Add</i> <i>For Sink Base With Sink Front (No Drawer), Deduct</i>	176.88 20.91 -20.91 -10.45 -41.81 52.27 67.94 -15.68 10.45 -15.68	50.64
06 41 13 00-0038			Vanity Bases (06 41 13 00-0002)		
06 41 13 00-0039	EA		30" High x 21" Deep x 24" Wide Vanity Bases, 2 Door..... Note: Prefinished with solid hardwood face frames, hardwood door frames and drawer fronts. Hardwood veneer on raised door panels. Excludes top. <i>For ADA Cabinet Units (Includes All ADA Hardware), Add</i> <i>For Plastic Laminate On Particle Board, Deduct</i> Note: (Plastic Laminate On Hardwood For Doors) <i>For Premium Grade Plywood With Plastic Laminate, Deduct</i> <i>For Economy Grade, Deduct</i> <i>For Premium Grade, Add</i> <i>For Laboratory Grade, Add</i> <i>For Unfinished (Natural, Wood), Deduct</i>	365.99 46.30 -46.30 -23.15 -92.60 115.76 150.48 -34.73	67.28
06 41 13 00-0040	EA		30" High x 21" Deep x 30" Wide Vanity Bases, 2 Door..... Note: Prefinished with solid hardwood face frames, hardwood door frames and drawer fronts. Hardwood veneer on raised door panels. Excludes top. <i>For ADA Cabinet Units (Includes All ADA Hardware), Add</i> <i>For Plastic Laminate On Particle Board, Deduct</i> Note: (Plastic Laminate On Hardwood For Doors) <i>For Premium Grade Plywood With Plastic Laminate, Deduct</i> <i>For Economy Grade, Deduct</i> <i>For Premium Grade, Add</i> <i>For Laboratory Grade, Add</i> <i>For Unfinished (Natural, Wood), Deduct</i>	414.41 53.23 -53.23 -26.62 -106.47 133.09 173.01 -39.93	74.87
06 41 13 00-0041	EA		30" High x 21" Deep x 36" Wide Vanity Bases, 2 Door..... Note: Prefinished with solid hardwood face frames, hardwood door frames and drawer fronts. Hardwood veneer on raised door panels. Excludes top. <i>For ADA Cabinet Units (Includes All ADA Hardware), Add</i> <i>For Plastic Laminate On Particle Board, Deduct</i> Note: (Plastic Laminate On Hardwood For Doors) <i>For Premium Grade Plywood With Plastic Laminate, Deduct</i> <i>For Economy Grade, Deduct</i> <i>For Premium Grade, Add</i> <i>For Laboratory Grade, Add</i> <i>For Unfinished (Natural, Wood), Deduct</i>	512.19 71.26 -71.26 -35.63 -142.51 178.14 231.58 -53.44	77.95
06 41 13 00-0042	EA		30" High x 21" Deep x 48" Wide Vanity Bases, 2 Door..... Note: Prefinished with solid hardwood face frames, hardwood door frames and drawer fronts. Hardwood veneer on raised door panels. Excludes top. <i>For ADA Cabinet Units (Includes All ADA Hardware), Add</i> <i>For Plastic Laminate On Particle Board, Deduct</i> Note: (Plastic Laminate On Hardwood For Doors) <i>For Premium Grade Plywood With Plastic Laminate, Deduct</i> <i>For Economy Grade, Deduct</i> <i>For Premium Grade, Add</i> <i>For Laboratory Grade, Add</i> <i>For Unfinished (Natural, Wood), Deduct</i>	612.64 84.56 -84.56 -42.28 -169.13 211.41 274.83 -63.42	94.95
06 41 13 00-0043			Wall Cabinets (06 41 13 00-0001)		
06 41 13 00-0044			Wall Cabinets 36" High x 13" Deep (06 41 13 00-0043)		
06 41 13 00-0045			Single Door Type Units (06 41 13 00-0044)		
06 41 13 00-0046	EA		Up To 15" Wide, 36" High x 13" Deep Single Door Wall Cabinet..... Note: Prefinished with solid hardwood face frames, hardwood door frames. Hardwood veneer on raised door panels. <i>For Plastic Laminate On Particle Board, Deduct</i> Note: (Plastic Laminate On Hardwood For Doors) <i>For Premium Grade Plywood With Plastic Laminate, Deduct</i> <i>For Economy Grade, Deduct</i> <i>For Premium Grade, Add</i> <i>For Laboratory Grade, Add</i> <i>For Unfinished (Natural, Wood), Deduct</i>	250.00 -33.73 -16.86 -67.45 84.32 109.61 -25.29	65.10
06 41 13 00-0047	EA		>15" To 18" Wide, 36" High x 13" Deep Single Door Wall Cabinet..... Note: Prefinished with solid hardwood face frames, hardwood door frames. Hardwood veneer on raised door panels. <i>For Plastic Laminate On Particle Board, Deduct</i> Note: (Plastic Laminate On Hardwood For Doors) <i>For Premium Grade Plywood With Plastic Laminate, Deduct</i> <i>For Economy Grade, Deduct</i> <i>For Premium Grade, Add</i> <i>For Laboratory Grade, Add</i> <i>For Unfinished (Natural, Wood), Deduct</i>	279.70 -39.32 -19.66 -78.63 98.29 127.78 -29.49	66.46



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 41 13 00-0048 EA >18" To 24" Wide, 36" High x 13" Deep Single Door Wall Cabinet.....	310.65	68.72
Note: Prefinished with solid hardwood face frames, hardwood door frames. Hardwood veneer on raised door panels.		
For Plastic Laminate On Particle Board, Deduct	-44.92	
Note: (Plastic Laminate On Hardwood For Doors)		
For Premium Grade Plywood With Plastic Laminate, Deduct	-22.46	
For Economy Grade, Deduct	-89.83	
For Premium Grade, Add	112.29	
For Laboratory Grade, Add	145.98	
For Unfinished (Natural, Wood), Deduct	-33.69	
06 41 13 00-0049 EA >24" To 30" Wide, 36" High x 13" Deep Single Door Wall Cabinet.....	362.86	74.15
Note: Prefinished with solid hardwood face frames, hardwood door frames. Hardwood veneer on raised door panels.		
For Plastic Laminate On Particle Board, Deduct	-53.90	
Note: (Plastic Laminate On Hardwood For Doors)		
For Premium Grade Plywood With Plastic Laminate, Deduct	-26.95	
For Economy Grade, Deduct	-107.80	
For Premium Grade, Add	134.75	
For Laboratory Grade, Add	175.18	
For Unfinished (Natural, Wood), Deduct	-40.43	
06 41 13 00-0050 Double Door Type Units (06 41 13 00-0044)		
06 41 13 00-0051 EA Up To 24" Wide, 36" High x 13" Deep Double Door Wall Cabinet.....	320.92	75.96
Note: Prefinished with solid hardwood face frames, hardwood door frames. Hardwood veneer on raised door panels.		
For Plastic Laminate On Particle Board, Deduct	-44.98	
Note: (Plastic Laminate On Hardwood For Doors)		
For Premium Grade Plywood With Plastic Laminate, Deduct	-22.49	
For Economy Grade, Deduct	-89.96	
For Premium Grade, Add	112.46	
For Laboratory Grade, Add	146.19	
For Unfinished (Natural, Wood), Deduct	-33.74	
06 41 13 00-0052 EA >24" To 30" Wide, 36" High x 13" Deep Double Door Wall Cabinet.....	376.01	83.19
Note: Prefinished with solid hardwood face frames, hardwood door frames. Hardwood veneer on raised door panels.		
For Plastic Laminate On Particle Board, Deduct	-54.50	
Note: (Plastic Laminate On Hardwood For Doors)		
For Premium Grade Plywood With Plastic Laminate, Deduct	-27.25	
For Economy Grade, Deduct	-109.00	
For Premium Grade, Add	136.25	
For Laboratory Grade, Add	177.12	
For Unfinished (Natural, Wood), Deduct	-40.87	
06 41 13 00-0053 EA >30" To 36" Wide, 36" High x 13" Deep Double Door Wall Cabinet.....	417.54	85.00
Note: Prefinished with solid hardwood face frames, hardwood door frames. Hardwood veneer on raised door panels.		
For Plastic Laminate On Particle Board, Deduct	-62.28	
Note: (Plastic Laminate On Hardwood For Doors)		
For Premium Grade Plywood With Plastic Laminate, Deduct	-31.14	
For Economy Grade, Deduct	-124.57	
For Premium Grade, Add	155.71	
For Laboratory Grade, Add	202.42	
For Unfinished (Natural, Wood), Deduct	-46.71	
06 41 13 00-0054 EA >36" To 42" Wide, 36" High x 13" Deep Double Door Wall Cabinet.....	451.78	88.17
Note: Prefinished with solid hardwood face frames, hardwood door frames. Hardwood veneer on raised door panels.		
For Plastic Laminate On Particle Board, Deduct	-68.27	
Note: (Plastic Laminate On Hardwood For Doors)		
For Premium Grade Plywood With Plastic Laminate, Deduct	-34.14	
For Economy Grade, Deduct	-136.54	
For Premium Grade, Add	170.68	
For Laboratory Grade, Add	221.88	
For Unfinished (Natural, Wood), Deduct	-51.20	
06 41 13 00-0055 EA >42" To 48" Wide, 36" High x 13" Deep Double Door Wall Cabinet.....	500.72	92.23
Note: Prefinished with solid hardwood face frames, hardwood door frames. Hardwood veneer on raised door panels.		
For Plastic Laminate On Particle Board, Deduct	-76.96	
Note: (Plastic Laminate On Hardwood For Doors)		
For Premium Grade Plywood With Plastic Laminate, Deduct	-38.48	
For Economy Grade, Deduct	-153.91	
For Premium Grade, Add	192.39	
For Laboratory Grade, Add	250.11	
For Unfinished (Natural, Wood), Deduct	-57.72	
06 41 13 00-0056 Wall Cabinets 30" High x 13" Deep (06 41 13 00-0043)		
06 41 13 00-0057 Single Door Type Units (06 41 13 00-0056)		

06 Wood, Plastics, and Composites**06 40 Architectural Woodwork****06 41 Architectural Wood Casework**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 41 13 00-0058	EA		Up To 12" Wide, 30" High x 13" Deep Single Door Wall Cabinet.....	197.30	51.42
			Note: Prefinished with solid hardwood face frames, hardwood door frames. Hardwood veneer on raised door panels.		
			For Plastic Laminate On Particle Board, Deduct	-26.45	
			Note: (Plastic Laminate On Hardwood For Doors)		
			For Premium Grade Plywood With Plastic Laminate, Deduct	-13.23	
			For Economy Grade, Deduct	-52.90	
			For Premium Grade, Add	66.13	
			For Laboratory Grade, Add	85.96	
			For Unfinished (Natural, Wood), Deduct	-19.84	
06 41 13 00-0059	EA		>12" To 15" Wide, 30" High x 13" Deep Single Door Wall Cabinet.....	222.52	53.65
			Note: Prefinished with solid hardwood face frames, hardwood door frames. Hardwood veneer on raised door panels.		
			For Plastic Laminate On Particle Board, Deduct	-30.94	
			Note: (Plastic Laminate On Hardwood For Doors)		
			For Premium Grade Plywood With Plastic Laminate, Deduct	-15.47	
			For Economy Grade, Deduct	-61.88	
			For Premium Grade, Add	77.36	
			For Laboratory Grade, Add	100.56	
			For Unfinished (Natural, Wood), Deduct	-23.21	
06 41 13 00-0060	EA		>15" To 18" Wide, 30" High x 13" Deep Single Door Wall Cabinet.....	240.22	54.78
			Note: Prefinished with solid hardwood face frames, hardwood door frames. Hardwood veneer on raised door panels.		
			For Plastic Laminate On Particle Board, Deduct	-34.19	
			Note: (Plastic Laminate On Hardwood For Doors)		
			For Premium Grade Plywood With Plastic Laminate, Deduct	-17.09	
			For Economy Grade, Deduct	-68.37	
			For Premium Grade, Add	85.47	
			For Laboratory Grade, Add	111.10	
			For Unfinished (Natural, Wood), Deduct	-25.64	
06 41 13 00-0061	EA		>18" To 24" Wide, 30" High x 13" Deep Single Door Wall Cabinet.....	258.87	56.72
			Note: Prefinished with solid hardwood face frames, hardwood door frames. Hardwood veneer on raised door panels.		
			For Plastic Laminate On Particle Board, Deduct	-37.43	
			Note: (Plastic Laminate On Hardwood For Doors)		
			For Premium Grade Plywood With Plastic Laminate, Deduct	-18.72	
			For Economy Grade, Deduct	-74.86	
			For Premium Grade, Add	93.58	
			For Laboratory Grade, Add	121.65	
			For Unfinished (Natural, Wood), Deduct	-28.07	
06 41 13 00-0062			Double Door Type Units <small>(06 41 13 00-0056)</small>		
06 41 13 00-0063	EA		Up To 27" Wide, 30" High x 13" Deep Double Door Wall Cabinet	284.10	57.93
			Note: Prefinished with solid hardwood face frames, hardwood door frames. Hardwood veneer on raised door panels.		
			For Plastic Laminate On Particle Board, Deduct	-42.17	
			Note: (Plastic Laminate On Hardwood For Doors)		
			For Premium Grade Plywood With Plastic Laminate, Deduct	-21.09	
			For Economy Grade, Deduct	-84.34	
			For Premium Grade, Add	105.43	
			For Laboratory Grade, Add	137.06	
			For Unfinished (Natural, Wood), Deduct	-31.63	
06 41 13 00-0064	EA		>27" To 30" Wide, 30" High x 13" Deep Double Door Wall Cabinet.....	302.14	59.37
			Note: Prefinished with solid hardwood face frames, hardwood door frames. Hardwood veneer on raised door panels.		
			For Plastic Laminate On Particle Board, Deduct	-45.42	
			Note: (Plastic Laminate On Hardwood For Doors)		
			For Premium Grade Plywood With Plastic Laminate, Deduct	-22.71	
			For Economy Grade, Deduct	-90.83	
			For Premium Grade, Add	113.54	
			For Laboratory Grade, Add	147.60	
			For Unfinished (Natural, Wood), Deduct	-34.06	
06 41 13 00-0065	EA		>30" To 36" Wide, 30" High x 13" Deep Double Door Wall Cabinet.....	336.38	60.80
			Note: Prefinished with solid hardwood face frames, hardwood door frames. Hardwood veneer on raised door panels.		
			For Plastic Laminate On Particle Board, Deduct	-51.90	
			Note: (Plastic Laminate On Hardwood For Doors)		
			For Premium Grade Plywood With Plastic Laminate, Deduct	-25.95	
			For Economy Grade, Deduct	-103.81	
			For Premium Grade, Add	129.76	
			For Laboratory Grade, Add	168.69	
			For Unfinished (Natural, Wood), Deduct	-38.93	
06 41 13 00-0066	EA		>36" To 42" Wide, 30" High x 13" Deep Double Door Wall Cabinet.....	363.14	62.22
			Note: Prefinished with solid hardwood face frames, hardwood door frames. Hardwood veneer on raised door panels.		
			For Plastic Laminate On Particle Board, Deduct	-56.89	
			Note: (Plastic Laminate On Hardwood For Doors)		
			For Premium Grade Plywood With Plastic Laminate, Deduct	-28.45	
			For Economy Grade, Deduct	-113.79	
			For Premium Grade, Add	142.24	
			For Laboratory Grade, Add	184.91	
			For Unfinished (Natural, Wood), Deduct	-42.67	



Wood, Plastics, and Composites	06
Architectural Woodwork	06 40
Architectural Wood Casework	06 41

06

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 41 13 00-0067 EA >42" To 48" Wide, 30" High x 13" Deep Double Door Wall Cabinet Note: Prefinished with solid hardwood face frames, hardwood door frames. Hardwood veneer on raised door panels. <i>For Plastic Laminate On Particle Board, Deduct</i> <i>Note: (Plastic Laminate On Hardwood For Doors)</i> <i>For Premium Grade Plywood With Plastic Laminate, Deduct</i> <i>For Economy Grade, Deduct</i> <i>For Premium Grade, Add</i> <i>For Laboratory Grade, Add</i> <i>For Unfinished (Natural, Wood), Deduct</i>	400.23 -64.13 -32.07 -128.26 160.33 208.42 -48.10	62.94
06 41 13 00-0068 Wall Cabinets 24" High x 13" Deep (06 41 13 00-0043)		
06 41 13 00-0069 Double Door Type Units (06 41 13 00-0068)		
06 41 13 00-0070 EA Up To 24" Wide, 24" High x 13" Deep Double Door Wall Cabinet Note: Prefinished with solid hardwood face frames, hardwood door frames. Hardwood veneer on raised door panels. <i>For Plastic Laminate On Particle Board, Deduct</i> <i>Note: (Plastic Laminate On Hardwood For Doors)</i> <i>For Premium Grade Plywood With Plastic Laminate, Deduct</i> <i>For Economy Grade, Deduct</i> <i>For Premium Grade, Add</i> <i>For Laboratory Grade, Add</i> <i>For Unfinished (Natural, Wood), Deduct</i>	249.10 -37.93 -18.97 -75.86 94.83 123.27 -28.45	47.03
06 41 13 00-0071 EA >24" To 30" Wide, 24" High x 13" Deep Double Door Wall Cabinet Note: Prefinished with solid hardwood face frames, hardwood door frames. Hardwood veneer on raised door panels. <i>For Plastic Laminate On Particle Board, Deduct</i> <i>Note: (Plastic Laminate On Hardwood For Doors)</i> <i>For Premium Grade Plywood With Plastic Laminate, Deduct</i> <i>For Economy Grade, Deduct</i> <i>For Premium Grade, Add</i> <i>For Laboratory Grade, Add</i> <i>For Unfinished (Natural, Wood), Deduct</i>	265.77 -40.67 -20.34 -81.35 101.69 132.19 -30.51	49.28
06 41 13 00-0072 EA >30" To 36" Wide, 24" High x 13" Deep Double Door Wall Cabinet Note: Prefinished with solid hardwood face frames, hardwood door frames. Hardwood veneer on raised door panels. <i>For Plastic Laminate On Particle Board, Deduct</i> <i>Note: (Plastic Laminate On Hardwood For Doors)</i> <i>For Premium Grade Plywood With Plastic Laminate, Deduct</i> <i>For Economy Grade, Deduct</i> <i>For Premium Grade, Add</i> <i>For Laboratory Grade, Add</i> <i>For Unfinished (Natural, Wood), Deduct</i>	288.72 -44.92 -22.46 -89.83 112.29 145.98 -33.69	50.73
06 41 13 00-0073 EA >36" To 42" Wide, 24" High x 13" Deep Double Door Wall Cabinet Note: Prefinished with solid hardwood face frames, hardwood door frames. Hardwood veneer on raised door panels. <i>For Plastic Laminate On Particle Board, Deduct</i> <i>Note: (Plastic Laminate On Hardwood For Doors)</i> <i>For Premium Grade Plywood With Plastic Laminate, Deduct</i> <i>For Economy Grade, Deduct</i> <i>For Premium Grade, Add</i> <i>For Laboratory Grade, Add</i> <i>For Unfinished (Natural, Wood), Deduct</i>	313.39 -49.66 -24.83 -99.32 124.15 161.39 -37.24	51.54
06 41 13 00-0074 Wall Cabinets 15" High x 13" Deep (06 41 13 00-0043)		
06 41 13 00-0075 Double Door Type Units (06 41 13 00-0074)		
06 41 13 00-0076 EA Up To 24" Wide, 15" High x 13" Deep Double Door Wall Cabinet Note: Prefinished with solid hardwood face frames, hardwood door frames. Hardwood veneer on raised door panels. <i>For Plastic Laminate On Particle Board, Deduct</i> <i>Note: (Plastic Laminate On Hardwood For Doors)</i> <i>For Premium Grade Plywood With Plastic Laminate, Deduct</i> <i>For Economy Grade, Deduct</i> <i>For Premium Grade, Add</i> <i>For Laboratory Grade, Add</i> <i>For Unfinished (Natural, Wood), Deduct</i>	220.69 -33.69 -16.84 -67.38 84.22 109.49 -25.27	41.32
06 41 13 00-0077 EA >24" To 30" Wide, 15" High x 13" Deep Double Door Wall Cabinet Note: Prefinished with solid hardwood face frames, hardwood door frames. Hardwood veneer on raised door panels. <i>For Plastic Laminate On Particle Board, Deduct</i> <i>Note: (Plastic Laminate On Hardwood For Doors)</i> <i>For Premium Grade Plywood With Plastic Laminate, Deduct</i> <i>For Economy Grade, Deduct</i> <i>For Premium Grade, Add</i> <i>For Laboratory Grade, Add</i> <i>For Unfinished (Natural, Wood), Deduct</i>	233.24 -35.43 -17.72 -70.87 88.59 115.16 -26.58	44.31

06 Wood, Plastics, and Composites**06 40 Architectural Woodwork****06 41 Architectural Wood Casework**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 41 13 00-0078	EA		>30" To 36" Wide, 15" High x 13" Deep Double Door Wall Cabinet.....257.53 Note: Prefinished with solid hardwood face frames, hardwood door frames. Hardwood veneer on raised door panels. <i>For Plastic Laminate On Particle Board, Deduct</i> -38.68 <i>Note: (Plastic Laminate On Hardwood For Doors)</i> <i>For Premium Grade Plywood With Plastic Laminate, Deduct</i> -19.34 <i>For Economy Grade, Deduct</i> -77.36 <i>For Premium Grade, Add</i> 96.70 <i>For Laboratory Grade, Add</i> 125.70 <i>For Unfinished (Natural, Wood), Deduct</i> -29.01		50.73
06 41 13 00-0079	EA		>36" To 42" Wide, 15" High x 13" Deep Double Door Wall Cabinet.....277.54 Note: Prefinished with solid hardwood face frames, hardwood door frames. Hardwood veneer on raised door panels. <i>For Plastic Laminate On Particle Board, Deduct</i> -42.67 <i>Note: (Plastic Laminate On Hardwood For Doors)</i> <i>For Premium Grade Plywood With Plastic Laminate, Deduct</i> -21.34 <i>For Economy Grade, Deduct</i> -85.34 <i>For Premium Grade, Add</i> 106.68 <i>For Laboratory Grade, Add</i> 138.68 <i>For Unfinished (Natural, Wood), Deduct</i> -32.00		50.73
06 41 13 00-0080			Wall Cabinets 12" High x 13" Deep (06 41 13 00-0043)		
06 41 13 00-0081	EA		18" to 30" Wide, 12" High x 13" Deep Double Door Wall Cabinet.....207.44 Note: Prefinished with solid hardwood face frames, hardwood door frames. Hardwood veneer on raised door panels. <i>For Plastic Laminate On Particle Board, Deduct</i> -30.19 <i>Note: (Plastic Laminate On Hardwood For Doors)</i> <i>For Premium Grade Plywood With Plastic Laminate, Deduct</i> -15.10 <i>For Economy Grade, Deduct</i> -60.39 <i>For Premium Grade, Add</i> 75.49 <i>For Laboratory Grade, Add</i> 98.13 <i>For Unfinished (Natural, Wood), Deduct</i> -22.65		27.85
06 41 13 00-0082	EA		>30" Wide, 12" High x 13" Deep Double Door Wall Cabinet .....241.72 Note: Prefinished with solid hardwood face frames, hardwood door frames. Hardwood veneer on raised door panels. <i>For Plastic Laminate On Particle Board, Deduct</i> -35.43 <i>Note: (Plastic Laminate On Hardwood For Doors)</i> <i>For Premium Grade Plywood With Plastic Laminate, Deduct</i> -17.72 <i>For Economy Grade, Deduct</i> -70.87 <i>For Premium Grade, Add</i> 88.59 <i>For Laboratory Grade, Add</i> 115.16 <i>For Unfinished (Natural, Wood), Deduct</i> -26.58		20.89
06 41 13 00-0083			Wall Cabinets 36" High x 13" Deep, Custom Built In Place (06 41 13 00-0043)		
06 41 13 00-0084			Single Door Type Units (06 41 13 00-0083)		
06 41 13 00-0085	LF		Up To 15" Wide, 36" High x 13" Deep Built In Place Single Door Wall Cabinet.....232.55 Note: Prefinished with solid hardwood face frames, hardwood door frames. Hardwood veneer on raised door panels. <i>For Plastic Laminate On Particle Board, Deduct</i> -26.98 <i>Note: (Plastic Laminate On Hardwood For Doors)</i> <i>For Premium Grade Plywood With Plastic Laminate, Deduct</i> -13.49 <i>For Economy Grade, Deduct</i> -53.96 <i>For Premium Grade, Add</i> 67.45 <i>For Laboratory Grade, Add</i> 87.68 <i>For Unfinished (Natural, Wood), Deduct</i> -20.23		68.72
06 41 13 00-0086	LF		>15 To 18" Wide, 36" High x 13" Deep Built In Place Single Door Wall Cabinet .....214.24 Note: Prefinished with solid hardwood face frames, hardwood door frames. Hardwood veneer on raised door panels. <i>For Plastic Laminate On Particle Board, Deduct</i> -26.21 <i>Note: (Plastic Laminate On Hardwood For Doors)</i> <i>For Premium Grade Plywood With Plastic Laminate, Deduct</i> -13.11 <i>For Economy Grade, Deduct</i> -52.42 <i>For Premium Grade, Add</i> 65.53 <i>For Laboratory Grade, Add</i> 85.18 <i>For Unfinished (Natural, Wood), Deduct</i> -19.66		57.87
06 41 13 00-0087	LF		>18 To 24" Wide, 36" High x 13" Deep Built In Place Single Door Wall Cabinet .....176.50 Note: Prefinished with solid hardwood face frames, hardwood door frames. Hardwood veneer on raised door panels. <i>For Plastic Laminate On Particle Board, Deduct</i> -22.46 <i>Note: (Plastic Laminate On Hardwood For Doors)</i> <i>For Premium Grade Plywood With Plastic Laminate, Deduct</i> -11.23 <i>For Economy Grade, Deduct</i> -44.92 <i>For Premium Grade, Add</i> 56.15 <i>For Laboratory Grade, Add</i> 72.99 <i>For Unfinished (Natural, Wood), Deduct</i> -16.84		45.22



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 41 13 00-0088 LF >24 To 30" Wide, 36" High x 13" Deep Built In Place Single Door Wall Cabinet Note: Prefinished with solid hardwood face frames, hardwood door frames. Hardwood veneer on raised door panels. <i>For Plastic Laminate On Particle Board, Deduct</i> <i>Note: (Plastic Laminate On Hardwood For Doors)</i> <i>For Premium Grade Plywood With Plastic Laminate, Deduct</i> <i>For Economy Grade, Deduct</i> <i>For Premium Grade, Add</i> <i>For Laboratory Grade, Add</i> <i>For Unfinished (Natural, Wood), Deduct</i>	163.92 -21.57 -10.79 -43.14 53.93 70.10 -16.18	38.88
06 41 13 00-0089 Double Door Type Units (06 41 13 00-0083)		
06 41 13 00-0090 LF Up To 24" Wide, 36" High x 13" Deep Built In Place Double Door Wall Cabinet Note: Prefinished with solid hardwood face frames, hardwood door frames. Hardwood veneer on raised door panels. <i>For Plastic Laminate On Particle Board, Deduct</i> <i>Note: (Plastic Laminate On Hardwood For Doors)</i> <i>For Premium Grade Plywood With Plastic Laminate, Deduct</i> <i>For Economy Grade, Deduct</i> <i>For Premium Grade, Add</i> <i>For Laboratory Grade, Add</i> <i>For Unfinished (Natural, Wood), Deduct</i>	184.78 -22.49 -11.24 -44.97 56.22 73.08 -16.86	50.64
06 41 13 00-0091 LF >24" To 30" Wide, 36" High x 13" Deep Built In Place Double Door Wall Cabinet..... Note: Prefinished with solid hardwood face frames, hardwood door frames. Hardwood veneer on raised door panels. <i>For Plastic Laminate On Particle Board, Deduct</i> <i>Note: (Plastic Laminate On Hardwood For Doors)</i> <i>For Premium Grade Plywood With Plastic Laminate, Deduct</i> <i>For Economy Grade, Deduct</i> <i>For Premium Grade, Add</i> <i>For Laboratory Grade, Add</i> <i>For Unfinished (Natural, Wood), Deduct</i>	170.45 -21.79 -10.90 -43.58 54.48 70.82 -16.34	43.41
06 41 13 00-0092 LF >30" To 36" Wide, 36" High x 13" Deep Built In Place Double Door Wall Cabinet..... Note: Prefinished with solid hardwood face frames, hardwood door frames. Hardwood veneer on raised door panels. <i>For Plastic Laminate On Particle Board, Deduct</i> <i>Note: (Plastic Laminate On Hardwood For Doors)</i> <i>For Premium Grade Plywood With Plastic Laminate, Deduct</i> <i>For Economy Grade, Deduct</i> <i>For Premium Grade, Add</i> <i>For Laboratory Grade, Add</i> <i>For Unfinished (Natural, Wood), Deduct</i>	157.16 -20.76 -10.38 -41.52 51.91 67.48 -15.57	37.08
06 41 13 00-0093 LF >36" To 42" Wide, 36" High x 13" Deep Built In Place Double Door Wall Cabinet..... Note: Prefinished with solid hardwood face frames, hardwood door frames. Hardwood veneer on raised door panels. <i>For Plastic Laminate On Particle Board, Deduct</i> <i>Note: (Plastic Laminate On Hardwood For Doors)</i> <i>For Premium Grade Plywood With Plastic Laminate, Deduct</i> <i>For Economy Grade, Deduct</i> <i>For Premium Grade, Add</i> <i>For Laboratory Grade, Add</i> <i>For Unfinished (Natural, Wood), Deduct</i>	144.56 -19.51 -9.75 -39.01 48.77 63.39 -14.63	32.55
06 41 13 00-0094 LF >42" To 48" Wide, 36" High x 13" Deep Built In Place Double Door Wall Cabinet..... Note: Prefinished with solid hardwood face frames, hardwood door frames. Hardwood veneer on raised door panels. <i>For Plastic Laminate On Particle Board, Deduct</i> <i>Note: (Plastic Laminate On Hardwood For Doors)</i> <i>For Premium Grade Plywood With Plastic Laminate, Deduct</i> <i>For Economy Grade, Deduct</i> <i>For Premium Grade, Add</i> <i>For Laboratory Grade, Add</i> <i>For Unfinished (Natural, Wood), Deduct</i>	139.62 -19.24 -9.62 -38.48 48.11 62.54 -14.43	30.74
06 41 13 00-0095 Accessories (06 41 13 00-0001) See CSI section 06 41 93 00-0001 for cabinet hardware, 08 71 00 00-0000 for cabinet hardware.		
06 41 13 00-0096 EA Wall Corner Cabinet With Shelving..... Note: Prefinished with solid hardwood face frames, hardwood door frames. Hardwood veneer on raised door panels. <i>For Plastic Laminate On Particle Board, Deduct</i> <i>Note: (Plastic Laminate On Hardwood For Doors)</i> <i>For Premium Grade Plywood With Plastic Laminate, Deduct</i> <i>For Economy Grade, Deduct</i> <i>For Premium Grade, Add</i> <i>For Laboratory Grade, Add</i> <i>For Unfinished (Natural, Wood), Deduct</i>	337.95 -22.39 -11.20 -44.78 55.98 72.77 -16.79	101.69
06 41 13 00-0097 EA Wall Lazy Susan With Cabinet Enclosure..... Note: Prefinished with solid hardwood face frames, hardwood door frames. Hardwood veneer on raised door panels. <i>For Plastic Laminate On Particle Board, Deduct</i> <i>Note: (Plastic Laminate On Hardwood For Doors)</i> <i>For Premium Grade Plywood With Plastic Laminate, Deduct</i> <i>For Economy Grade, Deduct</i> <i>For Premium Grade, Add</i> <i>For Laboratory Grade, Add</i> <i>For Unfinished (Natural, Wood), Deduct</i>	463.43 -56.53 -28.26 -113.06 141.32 183.72 -42.40	81.36

06 Wood, Plastics, and Composites**06 40 Architectural Woodwork****06 41 Architectural Wood Casework**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 41 13 00-0098	EA		Base Lazy Susan With Cabinet Enclosure.....544.30		67.80
			Note: Prefinished with solid hardwood face frames, hardwood door frames. Hardwood veneer on raised door panels.		
			For Plastic Laminate On Particle Board, Deduct	-78.73	
			Note: (Plastic Laminate On Hardwood For Doors)		
			For Premium Grade Plywood With Plastic Laminate, Deduct	-39.36	
			For Economy Grade, Deduct	-157.46	
			For Premium Grade, Add	196.82	
			For Laboratory Grade, Add	255.87	
			For Unfinished (Natural, Wood), Deduct	-59.05	
06 41 13 00-0099	EA		Broom Cabinet.....578.15		58.12
			Note: Prefinished with solid hardwood face frames, hardwood door frames. Hardwood veneer on raised door panels.		
			For Plastic Laminate On Particle Board, Deduct	-89.80	
			Note: (Plastic Laminate On Hardwood For Doors)		
			For Premium Grade Plywood With Plastic Laminate, Deduct	-44.90	
			For Economy Grade, Deduct	-179.61	
			For Premium Grade, Add	224.51	
			For Laboratory Grade, Add	291.86	
			For Unfinished (Natural, Wood), Deduct	-67.35	
06 41 13 00-0100	EA		Base Corner Cabinet .....250.66		40.67
			Note: Prefinished with solid hardwood face frames, hardwood door frames. Hardwood veneer on raised door panels.		
			For Plastic Laminate On Particle Board, Deduct	-33.86	
			Note: (Plastic Laminate On Hardwood For Doors)		
			For Premium Grade Plywood With Plastic Laminate, Deduct	-16.93	
			For Economy Grade, Deduct	-67.72	
			For Premium Grade, Add	84.66	
			For Laboratory Grade, Add	110.05	
			For Unfinished (Natural, Wood), Deduct	-25.40	
06 41 13 00-0101	EA		Base Range Cabinet.....235.79		33.90
			Note: Prefinished with solid hardwood face frames, hardwood door frames. Hardwood veneer on raised door panels.		
			For Plastic Laminate On Particle Board, Deduct	-33.60	
			Note: (Plastic Laminate On Hardwood For Doors)		
			For Premium Grade Plywood With Plastic Laminate, Deduct	-16.80	
			For Economy Grade, Deduct	-67.20	
			For Premium Grade, Add	84.00	
			For Laboratory Grade, Add	109.19	
			For Unfinished (Natural, Wood), Deduct	-25.20	
06 41 13 00-0102	EA		Double Oven Cabinet.....309.34		40.67
			Note: Prefinished with solid hardwood face frames, hardwood door frames.		
			For Plastic Laminate On Particle Board, Deduct	-45.60	
			Note: (Plastic Laminate On Hardwood For Doors)		
			For Premium Grade Plywood With Plastic Laminate, Deduct	-22.80	
			For Economy Grade, Deduct	-91.20	
			For Premium Grade, Add	114.00	
			For Laboratory Grade, Add	148.19	
			For Unfinished (Natural, Wood), Deduct	-34.20	
06 41 13 00-0103	EA		Microwave Cabinet .....210.24		27.12
			Note: Prefinished with solid hardwood face frames, hardwood door frames.		
			For Plastic Laminate On Particle Board, Deduct	-31.20	
			Note: (Plastic Laminate On Hardwood For Doors)		
			For Premium Grade Plywood With Plastic Laminate, Deduct	-15.60	
			For Economy Grade, Deduct	-62.40	
			For Premium Grade, Add	78.00	
			For Laboratory Grade, Add	101.40	
			For Unfinished (Natural, Wood), Deduct	-23.40	
06 41 13 00-0104	EA		30" Flipper Door And Cabinet .....273.69		51.98
			Note: Prefinished with solid hardwood face frames, hardwood door frames. Hardwood veneer on raised door panels.		
			For Plastic Laminate On Particle Board, Deduct	-33.95	
			Note: (Plastic Laminate On Hardwood For Doors)		
			For Premium Grade Plywood With Plastic Laminate, Deduct	-16.97	
			For Economy Grade, Deduct	-67.89	
			For Premium Grade, Add	84.87	
			For Laboratory Grade, Add	110.32	
			For Unfinished (Natural, Wood), Deduct	-25.46	
06 41 13 00-0105	EA		36" Flipper Door And Cabinet .....290.79		51.98
			Note: Prefinished with solid hardwood face frames, hardwood door frames. Hardwood veneer on raised door panels.		
			For Plastic Laminate On Particle Board, Deduct	-37.37	
			Note: (Plastic Laminate On Hardwood For Doors)		
			For Premium Grade Plywood With Plastic Laminate, Deduct	-18.68	
			For Economy Grade, Deduct	-74.73	
			For Premium Grade, Add	93.42	
			For Laboratory Grade, Add	121.44	
			For Unfinished (Natural, Wood), Deduct	-28.02	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 41 13 00-0106 EA 48" Flipper Door And Cabinet..... Note: Prefinished with solid hardwood face frames, hardwood door frames. Hardwood veneer on raised door panels. <i>For Plastic Laminate On Particle Board, Deduct</i> <i>Note: (Plastic Laminate On Hardwood For Doors)</i> <i>For Premium Grade Plywood With Plastic Laminate, Deduct</i> <i>For Economy Grade, Deduct</i> <i>For Premium Grade, Add</i> <i>For Laboratory Grade, Add</i> <i>For Unfinished (Natural, Wood), Deduct</i>	319.15 -43.04 -21.52 -86.08 107.60 139.87 -32.28	51.98
06 41 13 00-0107 EA For Keyed Lock In Door Or Drawer	41.80	
06 41 13 00-0108 SET Tamper-Proof Screw Sets Per Panel.....	9.09	
06 41 13 00-0109 Removal And Reinstallation Of Cabinet Or Counters <small>(06 41 13)</small> Note: Includes storage, cleaning and supply materials. Any height or width.		
06 41 13 00-0110 LF Removal And Reinstallation Of Wood Base Cabinets	69.19	
06 41 13 00-0111 LF Removal And Reinstallation Of Wall Cabinets	60.16	
06 41 13 00-0112 LF Removal And Reinstallation Of Plastic Laminated Countertops	14.00	
06 41 93 Cabinet And Drawer Hardware <small>(06 41)</small>		
06 41 93 00-0001 Cabinet Hardware <small>(06 41 93)</small> Note: Includes all mounting screws.		
06 41 93 00-0002 EA Hinges, Concealed, Steel, Full Or Half Overlay, Self Closing.....	21.68	9.04
06 41 93 00-0003 EA Hinges, Semi Concealed, Brass	25.19	9.04
06 41 93 00-0004 EA Pull Handles, Solid Brass.....	18.20	7.69
06 41 93 00-0005 EA Pull Knobs, Solid Brass	17.04	5.87
06 41 93 00-0006 EA Cabinet Ball And Catch.....	29.43	9.04
06 41 93 00-0007 EA Cabinet Drawer Lock Square Style, Surface Mount.....	63.56	9.04
06 41 93 00-0008 EA Cabinet Drawer Lock Square Style, Mortise Mount	119.07	13.56
06 41 93 00-0009 EA Cabinet Drawer Lock For Hollow Metal Drawers	36.74	7.69
06 41 93 00-0010 EA Door Catch.....	26.25	7.69
06 41 93 00-0011 EA Surface Bolt, Solid Brass	35.99	7.69
06 42 Wood Paneling <small>(06 42)</small> Note: Includes glue for installation.		
06 42 13 Wood Board Paneling <small>(06 42)</small>		
06 42 13 00-0001 Solid Wood Paneling <small>(06 42 13)</small>		
06 42 13 00-0002 7/16" Solid Wood Paneling, Tongue And Groove, 3" To 5" Wide <small>(06 42 13 00-0001)</small>		
06 42 13 00-0003 SF Homestead Cedar Paneling Tongue And Groove, 7/16"	6.99	1.90
06 42 13 00-0004 SF Homestead Juniper Paneling Tongue And Groove, 7/16"	7.30	1.90
06 42 13 00-0005 7/16" Solid Wood Paneling, Tongue And Groove, 6" To 10" Wide <small>(06 42 13 00-0001)</small>		
06 42 13 00-0006 SF 8" Random Plank Tongue And Groove, 7/16".....	9.37	1.81
06 42 13 00-0007 SF 8" Solid Plank Tongue And Groove, 7/16"	8.73	1.81
06 42 13 00-0008 1/2" Solid Wood Paneling, Tongue And Groove, 4" To 6" Wide <small>(06 42 13 00-0001)</small>		
06 42 13 00-0009 SF Alder Wood Tongue And Groove Paneling, 1/2".....	7.92	1.90
06 42 13 00-0010 1" Solid Wood Paneling, Shiplap, 6" To 8" Wide <small>(06 42 13 00-0001)</small>		
06 42 13 00-0011 SF 1" Tereido (Driftwood) Wood Shiplap	5.33	1.63
06 42 16 Flush Wood Paneling <small>(06 42)</small>		
06 42 16 00-0001 Veneer Hardboard Panels <small>(06 42 16)</small>		
06 42 16 00-0002 SF 1/4" Veneer Paneling (Mapes).....	4.94	1.64
<i>For Waterproof Glue, Add</i>	0.08	
<i>For Ceiling Installation, Add</i>	1.12	
06 42 16 00-0003 Plywood Unfinished With Trim 1/4" Thick <small>(06 42 16)</small>		
06 42 16 00-0004 Birch <small>(06 42 16 00-0003)</small>		

06 Wood, Plastics, and Composites**06 40 Architectural Woodwork****06 42 Wood Paneling**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 42 16 00-0005	SF		1/4" Unfinished Birch Plywood, Natural Faced With Trim	4.37	1.46
			<i>For Waterproof Glue, Add</i>	0.08	
			<i>For Ceiling Installation, Add</i>	0.98	
			<i>For Installation On Metal Studs Or Furring, Add</i>	0.36	
			<i>For Glue Laminated Installation, Add</i>	0.22	
			<i>For Lumber Core, Add</i>	0.12	
			<i>For 1/8" Thick Paneling, Deduct</i>	-0.41	
			<i>For 1/2" Thick Paneling, Add</i>	0.99	
			<i>For 5/8" Thick Paneling, Add</i>	1.22	
			<i>For 3/4" Thick Paneling, Add</i>	1.51	
			<i>For Fire Retardant Treatment (Class I), Add</i>	0.87	
06 42 16 00-0006	SF		1/4" Unfinished Birch Plywood, Select With Trim	4.45	1.46
			<i>For Waterproof Glue, Add</i>	0.08	
			<i>For Ceiling Installation, Add</i>	0.98	
			<i>For Installation On Metal Studs Or Furring, Add</i>	0.36	
			<i>For Glue Laminated Installation, Add</i>	0.22	
			<i>For Lumber Core, Add</i>	0.13	
			<i>For 1/8" Thick Paneling, Deduct</i>	-0.43	
			<i>For 1/2" Thick Paneling, Add</i>	1.03	
			<i>For 5/8" Thick Paneling, Add</i>	1.28	
			<i>For 3/4" Thick Paneling, Add</i>	1.60	
			<i>For Fire Retardant Treatment (Class I), Add</i>	0.93	
06 42 16 00-0007			Knotty Pine <small>(06 42 16 00-0003)</small>		
06 42 16 00-0008	SF		1/4" Knotty Pine Plywood, Grade AA Unfinished With Trim	5.10	1.64
			<i>For Waterproof Glue, Add</i>	0.10	
			<i>For Ceiling Installation, Add</i>	1.09	
			<i>For Installation On Metal Studs Or Furring, Add</i>	0.40	
			<i>For Glue Laminated Installation, Add</i>	0.26	
			<i>For Lumber Core, Add</i>	0.16	
			<i>For 1/8" Thick Paneling, Deduct</i>	-0.50	
			<i>For 1/2" Thick Paneling, Add</i>	1.23	
			<i>For 5/8" Thick Paneling, Add</i>	1.53	
			<i>For 3/4" Thick Paneling, Add</i>	1.93	
			<i>For Fire Retardant Treatment (Class I), Add</i>	1.15	
06 42 16 00-0009	SF		1/4" Knotty Pine Plywood, Grade AD Unfinished With Trim	5.03	1.64
			<i>For Waterproof Glue, Add</i>	0.10	
			<i>For Ceiling Installation, Add</i>	1.09	
			<i>For Installation On Metal Studs Or Furring, Add</i>	0.40	
			<i>For Glue Laminated Installation, Add</i>	0.25	
			<i>For Lumber Core, Add</i>	0.15	
			<i>For 1/8" Thick Paneling, Deduct</i>	-0.49	
			<i>For 1/2" Thick Paneling, Add</i>	1.19	
			<i>For 5/8" Thick Paneling, Add</i>	1.48	
			<i>For 3/4" Thick Paneling, Add</i>	1.85	
			<i>For Fire Retardant Treatment (Class I), Add</i>	1.10	
06 42 16 00-0010			Cedar (Aromatic - Closet Lining) <small>(06 42 16 00-0003)</small>		
06 42 16 00-0011	SF		1/4" Cedar Plywood, Standard Grade Unfinished With Trim, Closet Lining	5.03	1.82
			<i>For Waterproof Glue, Add</i>	0.07	
			<i>For Ceiling Installation, Add</i>	1.23	
			<i>For Installation On Metal Studs Or Furring, Add</i>	0.45	
			<i>For Glue Laminated Installation, Add</i>	0.25	
			<i>For Lumber Core, Add</i>	0.10	
			<i>For 1/8" Thick Paneling, Deduct</i>	-0.44	
			<i>For 1/2" Thick Paneling, Add</i>	0.99	
			<i>For 5/8" Thick Paneling, Add</i>	1.19	
			<i>For 3/4" Thick Paneling, Add</i>	1.44	
			<i>For Fire Retardant Treatment (Class I), Add</i>	0.73	
06 42 16 00-0012	SF		1/4" Cedar Plywood, Particle Board Unfinished With Trim, Closet Lining	4.70	1.82
			<i>For Waterproof Glue, Add</i>	0.04	
			<i>For Ceiling Installation, Add</i>	1.23	
			<i>For Installation On Metal Studs Or Furring, Add</i>	0.45	
			<i>For Glue Laminated Installation, Add</i>	0.24	
			<i>For Lumber Core, Add</i>	0.07	
			<i>For 1/8" Thick Paneling, Deduct</i>	-0.39	
			<i>For 1/2" Thick Paneling, Add</i>	0.82	
			<i>For 5/8" Thick Paneling, Add</i>	0.94	
			<i>For 3/4" Thick Paneling, Add</i>	1.10	
			<i>For Fire Retardant Treatment (Class I), Add</i>	0.47	
06 42 16 00-0013			Top Grade Plywood Prefinished With Trim 1/4" Thick <small>(06 42 16)</small>		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 42 16 00-0014 SF 1/4" Top Grade Plywood, Birch Veneer Prefinished With Trim.....	4.87	1.64
<i>For Flitch Matched Veneer, Add</i>	0.62	
<i>For Second Grade Veneer, Deduct</i>	-0.12	
<i>For Third Grade Veneer, Deduct</i>	-0.18	
<i>For Waterproof Glue, Add</i>	0.09	
<i>For Ceiling Installation, Add</i>	1.09	
<i>For Installation On Metal Studs Or Furring, Add</i>	0.40	
<i>For Glue Laminated Installation, Add</i>	0.24	
<i>For Lumber Core, Add</i>	0.14	
<i>For 1/8" Thick Paneling, Deduct</i>	-0.46	
<i>For 1/2" Thick Paneling, Add</i>	1.10	
<i>For 5/8" Thick Paneling, Add</i>	1.36	
<i>For 3/4" Thick Paneling, Add</i>	1.69	
<i>For Fire Retardant Treatment (Class I), Add</i>	0.97	
06 42 16 00-0015 SF 1/4" Top Grade Plywood, Cherry Veneer Prefinished With Trim	5.42	1.64
<i>For Flitch Matched Veneer, Add</i>	0.89	
<i>For Second Grade Veneer, Deduct</i>	-0.18	
<i>For Third Grade Veneer, Deduct</i>	-0.27	
<i>For Waterproof Glue, Add</i>	0.12	
<i>For Ceiling Installation, Add</i>	1.09	
<i>For Installation On Metal Studs Or Furring, Add</i>	0.40	
<i>For Glue Laminated Installation, Add</i>	0.27	
<i>For Lumber Core, Add</i>	0.20	
<i>For 1/8" Thick Paneling, Deduct</i>	-0.55	
<i>For 1/2" Thick Paneling, Add</i>	1.40	
<i>For 5/8" Thick Paneling, Add</i>	1.77	
<i>For 3/4" Thick Paneling, Add</i>	2.25	
<i>For Fire Retardant Treatment (Class I), Add</i>	1.41	
06 42 16 00-0016 SF 1/4" Top Grade Plywood, Chestnut Veneer Prefinished With Trim.....	8.19	1.64
<i>For Flitch Matched Veneer, Add</i>	1.92	
<i>For Second Grade Veneer, Deduct</i>	-0.38	
<i>For Third Grade Veneer, Deduct</i>	-0.57	
<i>For Waterproof Glue, Add</i>	0.27	
<i>For Ceiling Installation, Add</i>	1.31	
<i>For Installation On Metal Studs Or Furring, Add</i>	0.48	
<i>For Glue Laminated Installation, Add</i>	0.41	
<i>For Lumber Core, Add</i>	0.42	
<i>For 1/8" Thick Paneling, Deduct</i>	-0.94	
<i>For 1/2" Thick Paneling, Add</i>	2.59	
<i>For 5/8" Thick Paneling, Add</i>	3.40	
<i>For 3/4" Thick Paneling, Add</i>	4.43	
<i>For Fire Retardant Treatment (Class I), Add</i>	3.03	
06 42 16 00-0017 SF 1/4" Top Grade Plywood, Lauan Veneer Prefinished With Trim	4.09	1.64
<i>For Flitch Matched Veneer, Add</i>	0.41	
<i>For Second Grade Veneer, Deduct</i>	-0.08	
<i>For Third Grade Veneer, Deduct</i>	-0.12	
<i>For Waterproof Glue, Add</i>	0.06	
<i>For Ceiling Installation, Add</i>	0.98	
<i>For Installation On Metal Studs Or Furring, Add</i>	0.36	
<i>For Glue Laminated Installation, Add</i>	0.20	
<i>For Lumber Core, Add</i>	0.09	
<i>For 1/8" Thick Paneling, Deduct</i>	-0.37	
<i>For 1/2" Thick Paneling, Add</i>	0.84	
<i>For 5/8" Thick Paneling, Add</i>	1.01	
<i>For 3/4" Thick Paneling, Add</i>	1.23	
<i>For Fire Retardant Treatment (Class I), Add</i>	0.65	
06 42 16 00-0018 SF 1/4" Top Grade Plywood, Mahogany Veneer Prefinished With Trim.....	7.18	1.64
<i>For Flitch Matched Veneer, Add</i>	1.54	
<i>For Second Grade Veneer, Deduct</i>	-0.31	
<i>For Third Grade Veneer, Deduct</i>	-0.46	
<i>For Waterproof Glue, Add</i>	0.22	
<i>For Ceiling Installation, Add</i>	1.23	
<i>For Installation On Metal Studs Or Furring, Add</i>	0.45	
<i>For Glue Laminated Installation, Add</i>	0.36	
<i>For Lumber Core, Add</i>	0.34	
<i>For 1/8" Thick Paneling, Deduct</i>	-0.80	
<i>For 1/2" Thick Paneling, Add</i>	2.16	
<i>For 5/8" Thick Paneling, Add</i>	2.80	
<i>For 3/4" Thick Paneling, Add</i>	3.63	
<i>For Fire Retardant Treatment (Class I), Add</i>	2.43	
06 42 16 00-0019 SF 1/4" Top Grade Plywood, Red Oak Veneer Prefinished With Trim	5.01	1.64
<i>For Flitch Matched Veneer, Add</i>	0.69	
<i>For Second Grade Veneer, Deduct</i>	-0.14	
<i>For Third Grade Veneer, Deduct</i>	-0.21	
<i>For Waterproof Glue, Add</i>	0.10	
<i>For Ceiling Installation, Add</i>	1.09	
<i>For Installation On Metal Studs Or Furring, Add</i>	0.40	
<i>For Glue Laminated Installation, Add</i>	0.25	
<i>For Lumber Core, Add</i>	0.15	
<i>For 1/8" Thick Paneling, Deduct</i>	-0.48	
<i>For 1/2" Thick Paneling, Add</i>	1.18	
<i>For 5/8" Thick Paneling, Add</i>	1.46	
<i>For 3/4" Thick Paneling, Add</i>	1.83	
<i>For Fire Retardant Treatment (Class I), Add</i>	1.08	

06 Wood, Plastics, and Composites**06 40 Architectural Woodwork****06 42 Wood Paneling**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 42 16 00-0020	SF		1/4" Top Grade Plywood, Pecan Veneer Prefinished With Trim	5.91	1.64
			For Flitch Matched Veneer, Add	0.91	
			For Second Grade Veneer, Deduct	-0.18	
			For Third Grade Veneer, Deduct	-0.27	
			For Waterproof Glue, Add	0.13	
			For Ceiling Installation, Add	1.23	
			For Installation On Metal Studs Or Furring, Add	0.45	
			For Glue Laminated Installation, Add	0.30	
			For Lumber Core, Add	0.20	
			For 1/8" Thick Paneling, Deduct	-0.59	
			For 1/2" Thick Paneling, Add	1.47	
			For 5/8" Thick Paneling, Add	1.85	
			For 3/4" Thick Paneling, Add	2.34	
			For Fire Retardant Treatment (Class I), Add	1.43	
06 42 16 00-0021	SF		1/4" Top Grade Plywood, Rosewood Veneer Prefinished With Trim	9.49	1.64
			For Flitch Matched Veneer, Add	2.19	
			For Second Grade Veneer, Deduct	-0.44	
			For Third Grade Veneer, Deduct	-0.66	
			For Waterproof Glue, Add	0.31	
			For Ceiling Installation, Add	1.54	
			For Installation On Metal Studs Or Furring, Add	0.56	
			For Glue Laminated Installation, Add	0.47	
			For Lumber Core, Add	0.48	
			For 1/8" Thick Paneling, Deduct	-1.09	
			For 1/2" Thick Paneling, Add	2.97	
			For 5/8" Thick Paneling, Add	3.89	
			For 3/4" Thick Paneling, Add	5.07	
			For Fire Retardant Treatment (Class I), Add	3.45	
06 42 16 00-0022	SF		1/4" Top Grade Plywood, Teak Veneer Prefinished With Trim	7.18	1.64
			For Flitch Matched Veneer, Add	1.54	
			For Second Grade Veneer, Deduct	-0.31	
			For Third Grade Veneer, Deduct	-0.46	
			For Waterproof Glue, Add	0.22	
			For Ceiling Installation, Add	1.23	
			For Installation On Metal Studs Or Furring, Add	0.45	
			For Glue Laminated Installation, Add	0.36	
			For Lumber Core, Add	0.34	
			For 1/8" Thick Paneling, Deduct	-0.80	
			For 1/2" Thick Paneling, Add	2.16	
			For 5/8" Thick Paneling, Add	2.80	
			For 3/4" Thick Paneling, Add	3.63	
			For Fire Retardant Treatment (Class I), Add	2.43	
06 42 16 00-0023	SF		1/4" Top Grade Plywood, Walnut Veneer Prefinished With Trim	6.26	1.64
			For Flitch Matched Veneer, Add	1.31	
			For Second Grade Veneer, Deduct	-0.26	
			For Third Grade Veneer, Deduct	-0.39	
			For Waterproof Glue, Add	0.18	
			For Ceiling Installation, Add	1.09	
			For Installation On Metal Studs Or Furring, Add	0.40	
			For Glue Laminated Installation, Add	0.31	
			For Lumber Core, Add	0.29	
			For 1/8" Thick Paneling, Deduct	-0.69	
			For 1/2" Thick Paneling, Add	1.85	
			For 5/8" Thick Paneling, Add	2.40	
			For 3/4" Thick Paneling, Add	3.11	
			For Fire Retardant Treatment (Class I), Add	2.07	
06 42 16 00-0024	SF		1/4" Top Grade Plywood, Maple Veneer Prefinished With Trim	5.03	1.64
			For Flitch Matched Veneer, Add	0.70	
			For Second Grade Veneer, Deduct	-0.14	
			For Third Grade Veneer, Deduct	-0.21	
			For Waterproof Glue, Add	0.10	
			For Ceiling Installation, Add	1.09	
			For Installation On Metal Studs Or Furring, Add	0.40	
			For Glue Laminated Installation, Add	0.25	
			For Lumber Core, Add	0.15	
			For 1/8" Thick Paneling, Deduct	-0.49	
			For 1/2" Thick Paneling, Add	1.19	
			For 5/8" Thick Paneling, Add	1.48	
			For 3/4" Thick Paneling, Add	1.85	
			For Fire Retardant Treatment (Class I), Add	1.10	

06 42 16 00-0025 Accessories (06 42 16)

06 42 16 00-0026 EA Aluminum Panel Retainer "J" With Bolt..... 16.62

06 42 19 Plastic-Laminate-Faced Wood Paneling (06 42)**06 42 19 00-0001 Plastic Laminate (06 42 19)**

Note: Standard colors and patterns.

06 42 19 00-0002 SF 1/16" Plastic Laminate Faced Panel 7.08 3.17

Note: Includes cutting to fit.

06 43 Wood Stairs And Railings (06 40)



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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06 43 13 Wood Stairs (06 43)

06 43 13 00-0001 Stair Parts (06 43 13)

06 43 13 00-0002 EA 30" Baluster, Pine	37.61	18.35
06 43 13 00-0003 EA 30" Baluster, Birch	42.50	18.35
06 43 13 00-0004 EA 42" Baluster, Pine	41.45	18.98
06 43 13 00-0005 EA 42" Baluster, Birch	46.67	18.98
06 43 13 00-0006 EA 3-1/4" Wide Newels, Starting	200.79	72.14
06 43 13 00-0007 EA 3-1/4" Wide Newels, Landing.....	291.23	101.24
06 43 13 00-0008 LF Oak Gooseneck, 1 Riser.....	132.52	63.28
For Curved Surfaces With A 2'-0" Maximum Radius, Add	20.77	
06 43 13 00-0009 LF Oak Gooseneck, 2 Riser.....	152.49	69.51
For Curved Surfaces With A 2'-0" Maximum Radius, Add	22.84	
06 43 13 00-0010 LF Oak Handrail, 2-1/2" x 3" With Quarter Turn.....	24.91	9.49
For Curved Surfaces With A 2'-0" Maximum Radius, Add	3.11	
06 43 13 00-0011 LF 1-1/16" x 9-1/2" Oak Stair Tread.....	29.51	5.33
For Beech, Add	5.67	
For Curved Surfaces With A 2'-0" Maximum Radius, Add	2.44	
06 43 13 00-0012 LF 1-1/16" x 11-1/2" Oak Stair Tread.....	34.88	5.33
For Beech, Add	7.28	
For Curved Surfaces With A 2'-0" Maximum Radius, Add	2.44	
06 43 13 00-0013 LF 1-1/16" x 11-1/2" Pine Stair Tread	18.23	5.33
For Curved Surfaces With A 2'-0" Maximum Radius, Add	2.44	
06 43 13 00-0014 LF 3/4" x 7-1/2" High Beech Riser	23.44	5.51
For Curved Surfaces With A 2'-0" Maximum Radius, Add	2.54	
06 43 13 00-0015 LF 3/4" x 7-1/2" High Oak Riser	22.30	5.51
For Curved Surfaces With A 2'-0" Maximum Radius, Add	2.54	
06 43 13 00-0016 LF 3/4" x 7-1/2" High Fir Riser	14.97	5.51
For Curved Surfaces With A 2'-0" Maximum Radius, Add	2.54	
06 43 13 00-0017 LF 3/4" x 7-1/2" High Pine Riser	14.61	5.51
For Curved Surfaces With A 2'-0" Maximum Radius, Add	2.54	
06 43 13 00-0018 SF Framed Stair Landings, 3/4" Plywood Surface, Per SF Of Landing.....	31.60	

06 43 13 00-0019 Interior Box Stairs (06 43 13)

Note: Factory cut and assembled straight closed box stairs, unfinished.

06 43 13 00-0020 EA 30" Wide Pine Box Stair, Per Riser	171.19	55.05
For Curved Surfaces With A 2'-0" Maximum Radius, Add	18.09	
For Prefinished Stair Rail With Balusters And Newel, Add	67.59	
For Each LF Of Prefinished Handrail, Brackets And Baluster, Add	21.83	
For Oak Or Maple Treads, Add	41.65	
06 43 13 00-0021 EA 32" Wide Pine Box Stair, Per Riser	180.26	56.31
For Curved Surfaces With A 2'-0" Maximum Radius, Add	18.50	
For Prefinished Stair Rail With Balusters And Newel, Add	68.13	
For Each LF Of Prefinished Handrail, Brackets And Baluster, Add	22.05	
For Oak Or Maple Treads, Add	44.93	
06 43 13 00-0022 EA 34" Wide Pine Box Stair, Per Riser	188.48	56.95
For Curved Surfaces With A 2'-0" Maximum Radius, Add	18.71	
For Prefinished Stair Rail With Balusters And Newel, Add	68.41	
For Each LF Of Prefinished Handrail, Brackets And Baluster, Add	22.17	
For Oak Or Maple Treads, Add	48.21	
06 43 13 00-0023 EA 36" Wide Pine Box Stair, Per Riser	197.90	57.58
For Curved Surfaces With A 2'-0" Maximum Radius, Add	18.91	
For Prefinished Stair Rail With Balusters And Newel, Add	68.67	
For Each LF Of Prefinished Handrail, Brackets And Baluster, Add	22.28	
For Oak Or Maple Treads, Add	52.05	
06 43 13 00-0024 EA 38" Wide Pine Box Stair, Per Riser	203.66	58.21
For Curved Surfaces With A 2'-0" Maximum Radius, Add	19.12	
For Prefinished Stair Rail With Balusters And Newel, Add	68.95	
For Each LF Of Prefinished Handrail, Brackets And Baluster, Add	22.39	
For Oak Or Maple Treads, Add	54.23	
06 43 13 00-0025 EA 40" Wide Pine Box Stair, Per Riser	210.30	59.48
For Curved Surfaces With A 2'-0" Maximum Radius, Add	19.54	
For Prefinished Stair Rail With Balusters And Newel, Add	69.49	
For Each LF Of Prefinished Handrail, Brackets And Baluster, Add	22.62	
For Oak Or Maple Treads, Add	56.40	
06 43 13 00-0026 EA 42" Wide Pine Box Stair, Per Riser	216.04	60.11
For Curved Surfaces With A 2'-0" Maximum Radius, Add	19.75	
For Prefinished Stair Rail With Balusters And Newel, Add	69.76	
For Each LF Of Prefinished Handrail, Brackets And Baluster, Add	22.73	
For Oak Or Maple Treads, Add	58.58	
06 43 13 00-0027 EA 44" Wide Pine Box Stair, Per Riser	221.78	60.75
For Curved Surfaces With A 2'-0" Maximum Radius, Add	19.96	
For Prefinished Stair Rail With Balusters And Newel, Add	70.03	
For Each LF Of Prefinished Handrail, Brackets And Baluster, Add	22.85	
For Oak Or Maple Treads, Add	60.75	
06 43 13 00-0028 EA 46" Wide Pine Box Stair, Per Riser	227.49	61.38
For Curved Surfaces With A 2'-0" Maximum Radius, Add	20.16	
For Prefinished Stair Rail With Balusters And Newel, Add	70.30	
For Each LF Of Prefinished Handrail, Brackets And Baluster, Add	22.96	
For Oak Or Maple Treads, Add	62.92	

06 Wood, Plastics, and Composites**06 40 Architectural Woodwork****06 43 Wood Stairs And Railings**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 43 13 00-0029 EA 48" Wide Pine Box Stair, Per Riser..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i> <i>For Prefinished Stair Rail With Balusters And Newel, Add</i> <i>For Each LF Of Prefinished Handrail, Brackets And Baluster, Add</i> <i>For Oak Or Maple Treads, Add</i>	235.01 20.79 71.12 23.30 65.07	63.28
06 43 16 Wood Railings (06 43)		
06 43 16 00-0001 Handrails (06 43 16)		
06 43 16 00-0002 Wood Handrail With Brackets (06 43 16 00-0001) Note: Includes pine, fir or red oak interior grade or pressure treated exterior grade handrail with brackets.		
06 43 16 00-0003 LF 1-1/2" x 1-11/16", Wood Handrail With Brackets..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	12.80 2.08	4.51
06 43 16 00-0004 LF 1-7/8" x 2-5/8", Wood Handrail With Brackets..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	13.55 2.08	4.51
06 43 16 00-0005 LF 1-1/2" Diameter, Wood Handrail With Brackets	16.08	4.51
06 43 16 00-0006 LF 1-3/4" Diameter, Wood Handrail With Brackets	16.71	4.51
06 43 16 00-0007 LF 2" Diameter, Wood Handrail With Brackets	18.98	4.51
06 43 16 00-0008 LF 2-1/2" Diameter, Wood Handrail With Brackets	25.99	4.51
06 44 Ornamental Woodwork (06 40)		
06 44 39 Wood Posts And Columns (06 44)		
06 44 39 00-0001 Columns (06 44 39)		
06 44 39 00-0002 Pine Colonial Columns, Round Tapered With Cap And Base (06 44 39 00-0001) Note: Paint grade/finger jointed pine.		
06 44 39 00-0003 LF 6" Diameter Plain Column, Pine Colonial Columns, Round Tapered With Cap And Base.....	39.41	5.61
06 44 39 00-0004 LF 8" Diameter Plain Column, Pine Colonial Columns, Round Tapered With Cap And Base.....	50.22	8.21
06 44 39 00-0005 LF 10" Diameter Plain Column, Pine Colonial Columns, Round Tapered With Cap And Base.....	60.90	9.50
06 44 39 00-0006 LF 12" Diameter Plain Column, Pine Colonial Columns, Round Tapered With Cap And Base.....	71.75	9.93
06 44 39 00-0007 LF 14" Diameter Plain Column, Pine Colonial Columns, Round Tapered With Cap And Base.....	151.92	11.23
06 44 39 00-0008 LF 16" Diameter Plain Column, Pine Colonial Columns, Round Tapered With Cap And Base.....	175.69	12.09
06 44 39 00-0009 LF 18" Diameter Plain Column, Pine Colonial Columns, Round Tapered With Cap And Base.....	210.21	12.96
06 44 39 00-0010 LF 20" Diameter Plain Column, Pine Colonial Columns, Round Tapered With Cap And Base.....	249.67	13.82
06 44 39 00-0011 LF 6" Diameter Fluted Column, Pine Colonial Columns, Round Tapered With Cap And Base.....	44.68	5.61
06 44 39 00-0012 LF 8" Diameter Fluted Column, Pine Colonial Columns, Round Tapered With Cap And Base.....	54.45	8.21
06 44 39 00-0013 LF 10" Diameter Fluted Column, Pine Colonial Columns, Round Tapered With Cap And Base.....	66.74	9.50
06 44 39 00-0014 LF 12" Diameter Fluted Column, Pine Colonial Columns, Round Tapered With Cap And Base.....	77.99	9.93
06 44 39 00-0015 LF 14" Diameter Fluted Column, Pine Colonial Columns, Round Tapered With Cap And Base.....	164.59	11.23
06 44 39 00-0016 LF 16" Diameter Fluted Column, Pine Colonial Columns, Round Tapered With Cap And Base.....	221.16	12.09
06 44 39 00-0017 LF 18" Diameter Fluted Column, Pine Colonial Columns, Round Tapered With Cap And Base.....	238.38	12.96
06 44 39 00-0018 LF 20" Diameter Fluted Column, Pine Colonial Columns, Round Tapered With Cap And Base.....	267.77	13.82
06 44 39 00-0019 Pine Colonial Columns, Round Non Tapered With Cap And Base (06 44 39 00-0001) Note: Paint grade/finger jointed pine.		
06 44 39 00-0020 LF 6" Diameter Plain Column, Pine Colonial Columns, Round Tapered With Cap And Base.....	46.49	5.61
06 44 39 00-0021 LF 8" Diameter Plain Column, Pine Colonial Columns, Round Non Tapered With Cap And Base.....	58.27	8.21
06 44 39 00-0022 LF 10" Diameter Plain Column, Pine Colonial Columns, Round Non Tapered With Cap And Base.....	71.37	9.50
06 44 39 00-0023 LF 12" Diameter Plain Column, Pine Colonial Columns, Round Non Tapered With Cap And Base.....	84.83	9.93
06 44 39 00-0024 LF 14" Diameter Plain Column, Pine Colonial Columns, Round Non Tapered With Cap And Base.....	184.74	11.23
06 44 39 00-0025 LF 16" Diameter Plain Column, Pine Colonial Columns, Round Non Tapered With Cap And Base.....	214.12	12.09
06 44 39 00-0026 LF 18" Diameter Plain Column, Pine Colonial Columns, Round Non Tapered With Cap And Base.....	256.95	12.96
06 44 39 00-0027 LF 20" Diameter Plain Column, Pine Colonial Columns, Round Non Tapered With Cap And Base.....	305.96	13.82
06 44 39 00-0028 LF 6" Diameter Fluted Column, Pine Colonial Columns, Round Non Tapered With Cap And Base.....	53.09	5.61
06 44 39 00-0029 LF 8" Diameter Fluted Column, Pine Colonial Columns, Round Non Tapered With Cap And Base.....	64.05	8.21
06 44 39 00-0030 LF 10" Diameter Fluted Column, Pine Colonial Columns, Round Non Tapered With Cap And Base.....	78.93	9.50
06 44 39 00-0031 LF 12" Diameter Fluted Column, Pine Colonial Columns, Round Non Tapered With Cap And Base.....	92.84	9.93
06 44 39 00-0032 LF 14" Diameter Fluted Column, Pine Colonial Columns, Round Non Tapered With Cap And Base.....	200.61	11.23
06 44 39 00-0033 LF 16" Diameter Fluted Column, Pine Colonial Columns, Round Non Tapered With Cap And Base.....	271.13	12.09
06 44 39 00-0034 LF 18" Diameter Fluted Column, Pine Colonial Columns, Round Non Tapered With Cap And Base.....	292.26	12.96
06 44 39 00-0035 LF 20" Diameter Fluted Column, Pine Colonial Columns, Round Non Tapered With Cap And Base.....	328.68	13.82
06 44 39 00-0036 Pine Classical Columns, Round Tapered With Cap And Base (06 44 39 00-0001) Note: Paint grade/finger jointed pine.		
06 44 39 00-0037 LF 6" Diameter Plain Column, Pine Classical Columns, Round Tapered With Cap And Base.....	41.91	5.61
06 44 39 00-0038 LF 8" Diameter Plain Column, Pine Classical Columns, Round Tapered With Cap And Base.....	53.24	8.21
06 44 39 00-0039 LF 10" Diameter Plain Column, Pine Classical Columns, Round Tapered With Cap And Base.....	64.69	9.50
06 44 39 00-0040 LF 12" Diameter Plain Column, Pine Classical Columns, Round Tapered With Cap And Base.....	76.45	9.93
06 44 39 00-0041 LF 6" Diameter Fluted Column, Pine Classical Columns, Round Tapered With Cap And Base.....	47.66	5.61
06 44 39 00-0042 LF 8" Diameter Fluted Column, Pine Classical Columns, Round Tapered With Cap And Base.....	57.84	8.21
06 44 39 00-0043 LF 10" Diameter Fluted Column, Pine Classical Columns, Round Tapered With Cap And Base.....	71.05	9.50
06 44 39 00-0044 LF 12" Diameter Fluted Column, Pine Classical Columns, Round Tapered With Cap And Base.....	83.24	9.93
06 44 39 00-0045 Redwood Colonial Columns, Round Tapered With Cap And Base (06 44 39 00-0001) Note: Paint grade/finger jointed redwood.		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 44 39 00-0046 LF 6" Diameter Plain Column, Redwood Colonial Columns, Round Tapered With Cap And Base.....	62.99	5.61
06 44 39 00-0047 LF 8" Diameter Plain Column, Redwood Colonial Columns, Round Tapered With Cap And Base.....	76.78	8.21
06 44 39 00-0048 LF 10" Diameter Plain Column, Redwood Colonial Columns, Round Tapered With Cap And Base.....	94.91	9.50
06 44 39 00-0049 LF 12" Diameter Plain Column, Redwood Colonial Columns, Round Tapered With Cap And Base.....	114.81	9.93
06 44 39 00-0050 LF 6" Diameter Fluted Column, Redwood Colonial Columns, Round Tapered With Cap And Base.....	71.84	5.61
06 44 39 00-0051 LF 8" Diameter Fluted Column, Redwood Colonial Columns, Round Tapered With Cap And Base.....	86.24	8.21
06 44 39 00-0052 LF 10" Diameter Fluted Column, Redwood Colonial Columns, Round Tapered With Cap And Base.....	105.98	9.50
06 44 39 00-0053 LF 12" Diameter Fluted Column, Redwood Colonial Columns, Round Tapered With Cap And Base.....	129.30	9.93
06 44 39 00-0054 Ornamental Or Decorative Cap And Bases, Resin (06 44 39 00-0001)		
Note: For tapered wood columns.		
06 44 39 00-0055 EA 6" Resin Corinthian Capital And Base	192.34	11.66
06 44 39 00-0056 EA 8" Resin Corinthian Capital And Base	287.47	12.96
06 44 39 00-0057 EA 10" Resin Corinthian Capital And Base	398.44	15.11
06 44 39 00-0058 EA 12" Resin Corinthian Capital And Base	507.39	17.27
06 44 39 00-0059 EA 6" Resin Greek Erectheum Cap And Base	172.22	11.66
06 44 39 00-0060 EA 8" Resin Greek Erectheum Cap And Base	237.17	12.96
06 44 39 00-0061 EA 10" Resin Greek Erectheum Cap And Base	293.82	15.11
06 44 39 00-0062 EA 12" Resin Greek Erectheum Cap And Base	382.64	17.27
06 44 39 00-0063 EA 6" Resin Roman Ionic Capital And Base.....	181.12	12.09
06 44 39 00-0064 EA 8" Resin Roman Ionic Capital And Base.....	237.17	12.96
06 44 39 00-0065 EA 10" Resin Roman Ionic Capital And Base.....	293.82	15.11
06 44 39 00-0066 EA 12" Resin Roman Ionic Capital And Base.....	372.58	17.27
06 44 39 00-0067 EA 6" Resin Scamozzi Capital And Base	183.14	12.09
06 44 39 00-0068 EA 8" Resin Scamozzi Capital And Base	257.29	12.96
06 44 39 00-0069 EA 10" Resin Scamozzi Capital And Base	303.88	15.11
06 44 39 00-0070 EA 12" Resin Scamozzi Capital And Base	414.84	17.27
06 44 39 00-0071 EA 6" Resin Temple Of Winds Cap And Base.....	183.14	12.09
06 44 39 00-0072 EA 8" Resin Temple Of Winds Cap And Base.....	279.42	12.96
06 44 39 00-0073 EA 10" Resin Temple Of Winds Cap And Base.....	368.26	15.11
06 44 39 00-0074 EA 12" Resin Temple Of Winds Cap And Base.....	455.08	17.27
06 44 39 00-0075 Ornamental Or Decorative Cap And Bases, Plaster (06 44 39 00-0001)		
Note: For tapered wood columns.		
06 44 39 00-0076 EA 6" Plaster Corinthian Capital And Base	379.46	11.66
06 44 39 00-0077 EA 8" Plaster Corinthian Capital And Base	426.31	12.96
06 44 39 00-0078 EA 10" Plaster Corinthian Capital And Base	541.30	15.11
06 44 39 00-0079 EA 12" Plaster Corinthian Capital And Base	595.93	17.27
06 44 39 00-0080 EA 6" Plaster Greek Erectheum Cap And Base	254.71	11.66
06 44 39 00-0081 EA 8" Plaster Greek Erectheum Cap And Base	295.52	12.96
06 44 39 00-0082 EA 10" Plaster Greek Erectheum Cap And Base	364.24	15.11
06 44 39 00-0083 EA 12" Plaster Greek Erectheum Cap And Base	457.09	17.27
06 44 39 00-0084 EA 6" Plaster Roman Ionic Capital And Base.....	245.51	12.09
06 44 39 00-0085 EA 8" Plaster Roman Ionic Capital And Base.....	319.67	12.96
06 44 39 00-0086 EA 10" Plaster Roman Ionic Capital And Base.....	386.37	15.11
06 44 39 00-0087 EA 12" Plaster Roman Ionic Capital And Base.....	457.09	17.27
06 44 39 00-0088 EA 6" Plaster Scamozzi Capital And Base.....	289.78	12.09
06 44 39 00-0089 EA 8" Plaster Scamozzi Capital And Base	382.04	12.96
06 44 39 00-0090 EA 10" Plaster Scamozzi Capital And Base	430.64	15.11
06 44 39 00-0091 EA 12" Plaster Scamozzi Capital And Base	545.62	17.27
06 44 39 00-0092 EA 6" Plaster Temple Of Winds Cap And Base.....	245.51	12.09
06 44 39 00-0093 EA 8" Plaster Temple Of Winds Cap And Base.....	315.64	12.96
06 44 39 00-0094 EA 10" Plaster Temple Of Winds Cap And Base.....	410.52	15.11
06 44 39 00-0095 EA 12" Plaster Temple Of Winds Cap And Base.....	523.49	17.27
06 44 39 00-0096 EA 6" Plaster Empire Capital And Base	275.69	12.09
06 44 39 00-0097 EA 8" Plaster Empire Capital And Base	335.77	12.96
06 44 39 00-0098 EA 10" Plaster Empire Capital And Base	408.51	15.11
06 44 39 00-0099 EA 12" Plaster Empire Capital And Base	457.09	17.27
06 46 Wood Trim (06 40)		
06 46 13 Wood Door and Window Casings (06 46)		
06 46 13 00-0001 Door and Window Casings (06 46 13)		
06 46 13 00-0002 LF 1-1/8" Wide Plain Pine Door And Window Molding.....	3.84	1.45
<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	<i>0.74</i>	
06 46 13 00-0003 LF 1-1/8" Wide Detailed Pine Door And Window Molding.....	3.86	1.45
<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	<i>0.74</i>	
06 46 13 00-0004 LF 2-1/2" Wide Pine Complete Door And Window Trim.....	4.52	1.45
<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	<i>0.74</i>	
06 46 19 Wood Base And Shoe Moldings (06 46)		
06 46 19 00-0001 Base And Shoe Molding (06 46 19)		
06 46 19 00-0002 LF 1/2" x 1/2" Pine Quarter Round Trim	4.14	1.72
<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	<i>0.87</i>	
06 46 19 00-0003 LF 3/4" x 3/4" Pine Quarter Round Trim	4.33	1.72
<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	<i>0.87</i>	

06 Wood, Plastics, and Composites**06 40 Architectural Woodwork****06 46 Wood Trim**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 46 19 00-0004	LF		3-1/2" High White Pine Base Molding, All Dimensions Are Nominal.....	4.82	1.09
			<i>For Clear Birch, Add</i>	0.38	
			<i>For Clear Mahogany, Oak, Maple Or Walnut, Add</i>	0.90	
			<i>For Stain Grade Material (No Finger Joints), Add</i>	0.22	
			<i>For Clear Poplar, Add</i>	0.24	
06 46 19 00-0005	LF		4-1/2" High White Pine Base Molding, All Dimensions Are Nominal.....	5.89	1.36
			<i>For Clear Birch, Add</i>	0.44	
			<i>For Clear Mahogany, Oak, Maple Or Walnut, Add</i>	1.07	
			<i>For Stain Grade Material (No Finger Joints), Add</i>	0.25	
			<i>For Clear Poplar, Add</i>	0.28	
06 46 19 00-0006	LF		5-1/2" High White Pine Base Molding, All Dimensions Are Nominal.....	7.10	1.54
			<i>For Clear Birch, Add</i>	0.68	
			<i>For Clear Mahogany, Oak, Maple Or Walnut, Add</i>	1.46	
			<i>For Stain Grade Material (No Finger Joints), Add</i>	0.38	
			<i>For Clear Poplar, Add</i>	0.43	
06 46 19 00-0007	LF		3/4" x 1" Oak Base Shoe	4.82	1.72
06 46 19 00-0008	LF		3/4" x 1" White Pine Base Shoe, Stain Grade.....	4.71	1.72
06 46 19 00-0009	LF		3/4" x 1" White Pine Base Shoe, Paint Grade.....	4.47	1.72
06 46 23 Wood Chair Rails (06 46)					
06 46 23 00-0001 Chair Rails (06 46 23)					
06 46 23 00-0002	LF		5/8" x 2-1/2" White Pine Shaped Chair Rail.....	5.58	1.63
			<i>For Birch, Add</i>	0.63	
			<i>For Mahogany, Oak, Maple Or Walnut, Add</i>	1.24	
			<i>For Poplar, Add</i>	0.39	
06 46 23 00-0003	LF		5/8" x 3-1/2" White Pine Shaped Chair Rail.....	6.58	1.63
			<i>For Birch, Add</i>	0.95	
			<i>For Mahogany, Oak, Maple Or Walnut, Add</i>	1.69	
			<i>For Poplar, Add</i>	0.59	
06 46 23 00-0004	LF		1/2" x 1-5/8" White Pine Shaped Chair Rail.....	4.16	1.63
			<i>For Birch, Add</i>	0.46	
			<i>For Mahogany, Oak, Maple Or Walnut, Add</i>	0.92	
			<i>For Poplar, Add</i>	0.29	
06 46 26 Wood Cornices (06 46)					
06 46 26 00-0001 Wood Cornices (06 46 26)					
06 46 26 00-0002	LF		1" x 2" White Pine Cornices, All Dimensions Are Nominal.....	4.52	1.63
			<i>For Birch, Add</i>	0.32	
			<i>For Mahogany, Oak, Maple, Or Walnut, Add</i>	0.77	
			<i>For Poplar, Add</i>	0.41	
06 46 26 00-0003	LF		1" x 4" White Pine Cornices, All Dimensions Are Nominal.....	5.39	1.72
			<i>For Birch, Add</i>	0.58	
			<i>For Mahogany, Oak, Maple, Or Walnut, Add</i>	1.11	
			<i>For Poplar, Add</i>	0.73	
06 46 26 00-0004	LF		1" x 6" White Pine Cornices, All Dimensions Are Nominal.....	7.01	1.81
			<i>For Birch, Add</i>	1.11	
			<i>For Mahogany, Oak, Maple, Or Walnut, Add</i>	1.78	
			<i>For Poplar, Add</i>	1.39	
06 46 26 00-0005	LF		1" x 8" White Pine Cornices, All Dimensions Are Nominal.....	7.94	1.81
			<i>For Birch, Add</i>	1.38	
			<i>For Mahogany, Oak, Maple, Or Walnut, Add</i>	2.13	
			<i>For Poplar, Add</i>	1.72	
06 46 26 00-0006	LF		1" x 10" White Pine Cornices, All Dimensions Are Nominal.....	9.00	1.90
			<i>For Birch, Add</i>	1.69	
			<i>For Mahogany, Oak, Maple, Or Walnut, Add</i>	2.55	
			<i>For Poplar, Add</i>	2.12	
06 46 26 00-0007	LF		1" x 12" White Pine Cornices, All Dimensions Are Nominal.....	11.20	2.08
			<i>For Birch, Add</i>	2.41	
			<i>For Mahogany, Oak, Maple, Or Walnut, Add</i>	3.46	
			<i>For Poplar, Add</i>	3.01	
06 46 29 Wood Fasciae And Soffits (06 46)					
06 46 29 00-0001 Fascia Board (06 46 29)					
06 46 29 00-0002 Pine Fascia Board (06 46 29 00-0001)					
06 46 29 00-0003	LF		1" x 6" Pine Fascia Board	4.30	1.81
06 46 29 00-0004	LF		1" x 8" Pine Fascia Board	4.92	2.01
06 46 29 00-0005	LF		1" x 10" Pine Fascia Board	5.34	2.10
06 46 29 00-0006	LF		1" x 12" Pine Fascia Board	6.30	2.36
06 46 29 00-0007	LF		2" x 6" Pine Fascia Board	4.25	1.81
06 46 29 00-0008	LF		2" x 8" Pine Fascia Board	4.85	2.01
06 46 29 00-0009	LF		2" x 10" Pine Fascia Board	5.44	2.10
06 46 29 00-0010	LF		2" x 12" Pine Fascia Board	6.61	2.36
06 46 29 00-0011	LF		2" x 6" Trim, Exterior, Pine, Resawn Fascia.....	4.90	1.81
06 46 29 00-0012	LF		2" x 8" Trim, Exterior, Pine, Resawn Fascia.....	5.70	2.01
06 46 29 00-0013	LF		2" x 10" Trim, Exterior, Pine, Resawn Fascia.....	6.35	2.10
06 46 29 00-0014	LF		2" x 12" Trim, Exterior, Pine, Resawn Fascia.....	7.96	2.36



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
				06 46 29 00-0015 Cedar Fascia Board <small>(06 46 29 00-0001)</small>		
			LF	1" x 6" Cedar Fascia Board.....	4.63	1.81
			LF	1" x 8" Cedar Fascia Board.....	5.43	2.01
			LF	1" x 10" Cedar Fascia Board.....	6.31	2.10
			LF	1" x 12" Cedar Fascia Board.....	7.67	2.36
				06 46 29 00-0020 Engineered Wood Fascia Board <small>(06 46 29 00-0001)</small>		
			LF	1" x 6" Engineered Wood Fascia Board.....	4.11	1.81
			LF	1" x 8" Engineered Wood Fascia Board.....	4.67	2.01
			LF	1" x 12" Engineered Wood Fascia Board.....	5.71	2.36
				06 46 29 00-0024 Soffit <small>(06 46 29)</small>		
				06 46 29 00-0025 Sanded Plywood Soffit <small>(06 46 29 00-0024)</small>		
			SF	3/8" Thick, Sanded Plywood Soffit.....	3.64	1.37
			SF	1/2" Thick, Sanded Plywood Soffit.....	3.97	1.44
			SF	5/8" Thick, Sanded Plywood Soffit.....	4.17	1.50
			SF	3/4" Thick, Sanded Plywood Soffit.....	4.61	1.58
				06 46 29 00-0030 MDO Plywood Soffit <small>(06 46 29 00-0024)</small>		
			SF	3/8" Thick, MDO Plywood Soffit.....	4.05	1.37
			SF	1/2" Thick, MDO Plywood Soffit.....	4.50	1.44
			SF	3/4" Thick, MDO Plywood Soffit.....	5.63	1.58
				06 46 29 00-0034 Exterior Ceiling Gypsum Board Soffit <small>(06 46 29 00-0024)</small>		
			SF	1/2" Thick, Exterior Ceiling Gypsum Board Soffit.....	2.87	1.20
			SF	5/8" Thick, Fire Rated, Exterior Ceiling Gypsum Board Soffit.....	3.10	1.26
				06 46 36 Custom Wood Molding <small>(06 46)</small>		
				<small>Note: Includes set-up, knife charge, gluing (Where necessary for widths over 7-1/2"). All dimensions are nominal.</small>		
				06 46 36 00-0001 Ash <small>(06 46 36)</small>		
			LF	3/4" x 1-1/2" Custom Shaped Ash.....	5.19	1.00
				<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.73	
			LF	3/4" x 2-1/2" Custom Shaped Ash.....	6.30	1.00
				<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.75	
			LF	3/4" x 3-1/2" Custom Shaped Ash.....	7.41	1.00
				<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.78	
			LF	3/4" x 4-1/2" Custom Shaped Ash.....	8.52	1.09
				<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.80	
			LF	3/4" x 5-1/2" Custom Shaped Ash.....	9.73	1.09
				<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.85	
			LF	3/4" x 6-1/2" Custom Shaped Ash.....	10.93	1.18
				<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.89	
			LF	3/4" x 7-1/2" Custom Shaped Ash.....	12.03	1.18
				<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.92	
			LF	3/4" x 8-1/2" Custom Shaped Ash.....	13.15	1.18
				<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.94	
			LF	3/4" x 9-1/2" Custom Shaped Ash.....	14.22	1.27
				<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.96	
			LF	3/4" x 10-1/2" Custom Shaped Ash.....	15.45	1.27
				<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.01	
			LF	3/4" x 11-1/2" Custom Shaped Ash.....	16.59	1.36
				<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.04	
			LF	1" x 1-1/2" Custom Shaped Ash.....	5.98	1.00
				<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.75	
			LF	1" x 2-1/2" Custom Shaped Ash.....	7.42	1.00
				<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.78	
			LF	1" x 3-1/2" Custom Shaped Ash.....	8.87	1.09
				<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.80	
			LF	1" x 4-1/2" Custom Shaped Ash.....	10.31	1.09
				<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.82	
			LF	1" x 5-1/2" Custom Shaped Ash.....	11.88	1.18
				<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.87	
			LF	1" x 6-1/2" Custom Shaped Ash.....	13.42	1.18
				<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.92	
			LF	1" x 7-1/2" Custom Shaped Ash.....	14.85	1.18
				<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.94	
			LF	1" x 8-1/2" Custom Shaped Ash.....	16.32	1.27
				<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.97	
			LF	1" x 9-1/2" Custom Shaped Ash.....	17.74	1.27
				<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.98	
			LF	1" x 10-1/2" Custom Shaped Ash.....	19.30	1.36
				<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.03	
			LF	1" x 11-1/2" Custom Shaped Ash.....	20.79	1.36
				<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.06	

06 Wood, Plastics, and Composites**06 40 Architectural Woodwork****06 46 Wood Trim**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 46 36 00-0024	LF		1-1/4" x 1-1/2" Custom Shaped Ash <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	6.95 0.77	1.00
06 46 36 00-0025	LF		1-1/4" x 2-1/2" Custom Shaped Ash <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	8.86 0.80	1.00
06 46 36 00-0026	LF		1-1/4" x 3-1/2" Custom Shaped Ash <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	10.76 0.82	1.09
06 46 36 00-0027	LF		1-1/4" x 4-1/2" Custom Shaped Ash <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	12.65 0.84	1.09
06 46 36 00-0028	LF		1-1/4" x 5-1/2" Custom Shaped Ash <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	14.65 0.89	1.18
06 46 36 00-0029	LF		1-1/4" x 6-1/2" Custom Shaped Ash <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	16.65 0.94	1.18
06 46 36 00-0030	LF		1-1/4" x 7-1/2" Custom Shaped Ash <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	18.53 0.96	1.27
06 46 36 00-0031	LF		1-1/4" x 8-1/2" Custom Shaped Ash <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	20.46 0.99	1.27
06 46 36 00-0032	LF		1-1/4" x 9-1/2" Custom Shaped Ash <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	22.31 1.00	1.27
06 46 36 00-0033	LF		1-1/4" x 10-1/2" Custom Shaped Ash <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	24.33 1.05	1.36
06 46 36 00-0034	LF		1-1/4" x 11-1/2" Custom Shaped Ash <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	26.27 1.08	1.45
06 46 36 00-0035	LF		1-1/2" x 1-1/2" Custom Shaped Ash <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	8.34 0.79	1.00
06 46 36 00-0036	LF		1-1/2" x 2-1/2" Custom Shaped Ash <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	10.89 0.82	1.09
06 46 36 00-0037	LF		1-1/2" x 3-1/2" Custom Shaped Ash <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	13.43 0.84	1.09
06 46 36 00-0038	LF		1-1/2" x 4-1/2" Custom Shaped Ash <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	15.98 0.86	1.18
06 46 36 00-0039	LF		1-1/2" x 5-1/2" Custom Shaped Ash <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	18.53 0.89	1.18
06 46 36 00-0040	LF		1-1/2" x 6-1/2" Custom Shaped Ash <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	21.26 0.96	1.27
06 46 36 00-0041	LF		1-1/2" x 7-1/2" Custom Shaped Ash <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	23.84 0.98	1.27
06 46 36 00-0042	LF		1-1/2" x 8-1/2" Custom Shaped Ash <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	26.37 1.01	1.27
06 46 36 00-0043	LF		1-1/2" x 9-1/2" Custom Shaped Ash <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	28.86 1.02	1.36
06 46 36 00-0044	LF		1-1/2" x 10-1/2" Custom Shaped Ash <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	31.78 1.07	1.36
06 46 36 00-0045	LF		1-1/2" x 11-1/2" Custom Shaped Ash <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	34.12 1.10	1.45
06 46 36 00-0046			Basswood <small>(06 46 36)</small>		
06 46 36 00-0047	LF		3/4" x 1-1/2" Custom Shaped Basswood <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	4.52 0.73	1.00
06 46 36 00-0048	LF		3/4" x 2-1/2" Custom Shaped Basswood <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	5.29 0.75	1.00
06 46 36 00-0049	LF		3/4" x 3-1/2" Custom Shaped Basswood <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	6.07 0.78	1.00
06 46 36 00-0050	LF		3/4" x 4-1/2" Custom Shaped Basswood <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	6.84 0.80	1.09
06 46 36 00-0051	LF		3/4" x 5-1/2" Custom Shaped Basswood <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	7.71 0.85	1.09
06 46 36 00-0052	LF		3/4" x 6-1/2" Custom Shaped Basswood <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	8.58 0.89	1.18
06 46 36 00-0053	LF		3/4" x 7-1/2" Custom Shaped Basswood <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	9.35 0.92	1.18
06 46 36 00-0054	LF		3/4" x 8-1/2" Custom Shaped Basswood <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	10.14 0.94	1.27
06 46 36 00-0055	LF		3/4" x 9-1/2" Custom Shaped Basswood <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	10.87 0.96	1.27
06 46 36 00-0056	LF		3/4" x 10-1/2" Custom Shaped Basswood <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	11.76 1.01	1.36
06 46 36 00-0057	LF		3/4" x 11-1/2" Custom Shaped Basswood <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	12.57 1.04	1.36
06 46 36 00-0058	LF		1" x 1-1/2" Custom Shaped Basswood <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	5.02 0.75	1.00
06 46 36 00-0059	LF		1" x 2-1/2" Custom Shaped Basswood <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	5.98 0.78	1.00
06 46 36 00-0060	LF		1" x 3-1/2" Custom Shaped Basswood <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	6.95 0.80	1.09
06 46 36 00-0061	LF		1" x 4-1/2" Custom Shaped Basswood <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	7.92 0.82	1.09
06 46 36 00-0062	LF		1" x 5-1/2" Custom Shaped Basswood <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	9.00 0.87	1.18
06 46 36 00-0063	LF		1" x 6-1/2" Custom Shaped Basswood <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	10.06 0.92	1.18
06 46 36 00-0064	LF		1" x 7-1/2" Custom Shaped Basswood <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	11.02 0.94	1.27



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 46 36 00-0065 LF 1" x 8-1/2" Custom Shaped Basswood <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	12.01 0.97	1.27
06 46 36 00-0066 LF 1" x 9-1/2" Custom Shaped Basswood <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	12.95 0.98	1.27
06 46 36 00-0067 LF 1" x 10-1/2" Custom Shaped Basswood <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	14.03 1.03	1.36
06 46 36 00-0068 LF 1" x 11-1/2" Custom Shaped Basswood <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	15.04 1.06	1.36
06 46 36 00-0069 LF 1-1/2" x 1-1/2" Custom Shaped Basswood <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	6.43 0.77	1.00
06 46 36 00-0070 LF 1-1/2" x 2-1/2" Custom Shaped Basswood <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	8.07 0.80	1.00
06 46 36 00-0071 LF 1-1/2" x 3-1/2" Custom Shaped Basswood <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	9.70 0.82	1.09
06 46 36 00-0072 LF 1-1/2" x 4-1/2" Custom Shaped Basswood <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	11.34 0.84	1.09
06 46 36 00-0073 LF 1-1/2" x 5-1/2" Custom Shaped Basswood <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	13.07 0.89	1.18
06 46 36 00-0074 LF 1-1/2" x 6-1/2" Custom Shaped Basswood <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	14.80 0.94	1.27
06 46 36 00-0075 LF 1-1/2" x 7-1/2" Custom Shaped Basswood <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	16.42 0.96	1.27
06 46 36 00-0076 LF 1-1/2" x 8-1/2" Custom Shaped Basswood <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	18.09 0.99	1.27
06 46 36 00-0077 LF 1-1/2" x 9-1/2" Custom Shaped Basswood <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	19.67 1.00	1.27
06 46 36 00-0078 LF 1-1/2" x 10-1/2" Custom Shaped Basswood <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	21.43 1.05	1.36
06 46 36 00-0079 LF 1-1/2" x 11-1/2" Custom Shaped Basswood <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	23.11 1.08	1.45
06 46 36 00-0080 LF 3-1/2" x 3-1/2" Custom Shaped Basswood <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	21.52 0.89	1.18
06 46 36 00-0081 LF 3-1/2" x 4-1/2" Custom Shaped Basswood <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	26.10 0.93	1.18
06 46 36 00-0082 LF 3-1/2" x 5-1/2" Custom Shaped Basswood <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	30.60 0.96	1.27
06 46 36 00-0083 LF 3-1/2" x 6-1/2" Custom Shaped Basswood <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	35.27 1.02	1.36
06 46 36 00-0084 LF 3-1/2" x 7-1/2" Custom Shaped Basswood <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	39.77 1.04	1.36
06 46 36 00-0085 LF 3-1/2" x 8-1/2" Custom Shaped Basswood <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	44.42 1.08	1.45
06 46 36 00-0086 LF 3-1/2" x 9-1/2" Custom Shaped Basswood <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	48.86 1.10	1.45
06 46 36 00-0087 LF 3-1/2" x 10-1/2" Custom Shaped Basswood <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	53.36 1.12	1.45
06 46 36 00-0088 LF 3-1/2" x 11-1/2" Custom Shaped Basswood <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	58.05 1.19	1.54
06 46 36 00-0089 Birch <small>(06 46 36)</small>		
06 46 36 00-0090 LF 3/4" x 1-1/2" Custom Shaped Birch <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	4.76 0.73	1.00
06 46 36 00-0091 LF 3/4" x 2-1/2" Custom Shaped Birch <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	5.65 0.75	1.00
06 46 36 00-0092 LF 3/4" x 3-1/2" Custom Shaped Birch <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	6.55 0.78	1.00
06 46 36 00-0093 LF 3/4" x 4-1/2" Custom Shaped Birch <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	7.44 0.80	1.09
06 46 36 00-0094 LF 3/4" x 5-1/2" Custom Shaped Birch <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	8.43 0.85	1.09
06 46 36 00-0095 LF 3/4" x 6-1/2" Custom Shaped Birch <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	9.42 0.89	1.18
06 46 36 00-0096 LF 3/4" x 7-1/2" Custom Shaped Birch <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	10.30 0.92	1.18
06 46 36 00-0097 LF 3/4" x 8-1/2" Custom Shaped Birch <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	11.21 0.94	1.18
06 46 36 00-0098 LF 3/4" x 9-1/2" Custom Shaped Birch <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	12.06 0.96	1.27
06 46 36 00-0099 LF 3/4" x 10-1/2" Custom Shaped Birch <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	13.08 1.01	1.27
06 46 36 00-0100 LF 3/4" x 11-1/2" Custom Shaped Birch <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	14.01 1.04	1.36
06 46 36 00-0101 LF 1" x 1-1/2" Custom Shaped Birch <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	5.38 0.75	1.00
06 46 36 00-0102 LF 1" x 2-1/2" Custom Shaped Birch <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	6.51 0.78	1.00
06 46 36 00-0103 LF 1" x 3-1/2" Custom Shaped Birch <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	7.67 0.80	1.09
06 46 36 00-0104 LF 1" x 4-1/2" Custom Shaped Birch <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	8.83 0.82	1.09
06 46 36 00-0105 LF 1" x 5-1/2" Custom Shaped Birch <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	10.08 0.87	1.18

06 Wood, Plastics, and Composites**06 40 Architectural Woodwork****06 46 Wood Trim**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 46 36 00-0106	LF		1" x 6-1/2" Custom Shaped Birch..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	11.31 0.92	1.18
06 46 36 00-0107	LF		1" x 7-1/2" Custom Shaped Birch..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	12.45 0.94	1.18
06 46 36 00-0108	LF		1" x 8-1/2" Custom Shaped Birch..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	13.64 0.97	1.27
06 46 36 00-0109	LF		1" x 9-1/2" Custom Shaped Birch..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	14.74 0.98	1.27
06 46 36 00-0110	LF		1" x 10-1/2" Custom Shaped Birch..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	15.99 1.03	1.36
06 46 36 00-0111	LF		1" x 11-1/2" Custom Shaped Birch..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	17.20 1.06	1.36
06 46 36 00-0112	LF		1-1/4" x 1-1/2" Custom Shaped Birch..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	6.09 0.77	1.00
06 46 36 00-0113	LF		1-1/4" x 2-1/2" Custom Shaped Birch..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	7.57 0.80	1.00
06 46 36 00-0114	LF		1-1/4" x 3-1/2" Custom Shaped Birch..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	9.03 0.82	1.09
06 46 36 00-0115	LF		1-1/4" x 4-1/2" Custom Shaped Birch..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	10.50 0.84	1.09
06 46 36 00-0116	LF		1-1/4" x 5-1/2" Custom Shaped Birch..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	12.06 0.89	1.18
06 46 36 00-0117	LF		1-1/4" x 6-1/2" Custom Shaped Birch..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	13.63 0.94	1.18
06 46 36 00-0118	LF		1-1/4" x 7-1/2" Custom Shaped Birch..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	15.08 0.96	1.27
06 46 36 00-0119	LF		1-1/4" x 8-1/2" Custom Shaped Birch..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	16.58 0.99	1.27
06 46 36 00-0120	LF		1-1/4" x 9-1/2" Custom Shaped Birch..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	17.99 1.00	1.27
06 46 36 00-0121	LF		1-1/4" x 10-1/2" Custom Shaped Birch..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	19.59 1.05	1.36
06 46 36 00-0122	LF		1-1/4" x 11-1/2" Custom Shaped Birch..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	21.09 1.08	1.45
06 46 36 00-0123	LF		1-1/2" x 1-1/2" Custom Shaped Birch..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	7.19 0.79	1.00
06 46 36 00-0124	LF		1-1/2" x 2-1/2" Custom Shaped Birch..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	9.17 0.82	1.09
06 46 36 00-0125	LF		1-1/2" x 3-1/2" Custom Shaped Birch..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	11.13 0.84	1.09
06 46 36 00-0126	LF		1-1/2" x 4-1/2" Custom Shaped Birch..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	13.10 0.86	1.18
06 46 36 00-0127	LF		1-1/2" x 5-1/2" Custom Shaped Birch..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	15.08 0.89	1.18
06 46 36 00-0128	LF		1-1/2" x 6-1/2" Custom Shaped Birch..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	17.24 0.96	1.27
06 46 36 00-0129	LF		1-1/2" x 7-1/2" Custom Shaped Birch..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	19.20 0.98	1.27
06 46 36 00-0130	LF		1-1/2" x 8-1/2" Custom Shaped Birch..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	21.20 1.01	1.27
06 46 36 00-0131	LF		1-1/2" x 9-1/2" Custom Shaped Birch..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	23.11 1.02	1.36
06 46 36 00-0132	LF		1-1/2" x 10-1/2" Custom Shaped Birch..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	25.45 1.07	1.36
06 46 36 00-0133	LF		1-1/2" x 11-1/2" Custom Shaped Birch..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	27.22 1.10	1.45

06 46 36 00-0134 Clear Western Cedar (06 46 36)

06 46 36 00-0135	LF		3/4" x 1-1/2" Custom Shaped Clear West Cedar..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	4.76 0.73	1.00
06 46 36 00-0136	LF		3/4" x 2-1/2" Custom Shaped Clear West Cedar..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	5.65 0.75	1.00
06 46 36 00-0137	LF		3/4" x 3-1/2" Custom Shaped Clear West Cedar..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	6.55 0.78	1.00
06 46 36 00-0138	LF		3/4" x 4-1/2" Custom Shaped Clear West Cedar..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	7.44 0.80	1.09
06 46 36 00-0139	LF		3/4" x 5-1/2" Custom Shaped Clear West Cedar..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	8.43 0.85	1.09
06 46 36 00-0140	LF		3/4" x 6-1/2" Custom Shaped Clear West Cedar..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	9.42 0.89	1.18
06 46 36 00-0141	LF		1" x 1-1/2" Custom Shaped Clear West Cedar..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	5.43 0.75	1.00
06 46 36 00-0142	LF		1" x 2-1/2" Custom Shaped Clear West Cedar..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	6.60 0.78	1.00
06 46 36 00-0143	LF		1" x 3-1/2" Custom Shaped Clear West Cedar..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	7.79 0.80	1.09
06 46 36 00-0144	LF		1" x 4-1/2" Custom Shaped Clear West Cedar..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	8.97 0.82	1.09
06 46 36 00-0145	LF		1" x 5-1/2" Custom Shaped Clear West Cedar..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	10.25 0.87	1.18
06 46 36 00-0146	LF		1" x 6-1/2" Custom Shaped Clear West Cedar..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	11.53 0.92	1.18



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 46 36 00-0147	LF		1-1/4" x 1-1/2" Custom Shaped Clear West Cedar..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	6.71 0.77	1.00
06 46 36 00-0148	LF		1-1/4" x 2-1/2" Custom Shaped Clear West Cedar..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	8.50 0.80	1.00
06 46 36 00-0149	LF		1-1/4" x 3-1/2" Custom Shaped Clear West Cedar..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	10.28 0.82	1.09
06 46 36 00-0150	LF		1-1/4" x 4-1/2" Custom Shaped Clear West Cedar..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	12.05 0.84	1.09
06 46 36 00-0151	LF		1-1/4" x 5-1/2" Custom Shaped Clear West Cedar..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	13.93 0.89	1.18
06 46 36 00-0152	LF		1-1/4" x 6-1/2" Custom Shaped Clear West Cedar..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	15.81 0.94	1.18
06 46 36 00-0153	LF		1-1/2" x 1-1/2" Custom Shaped Clear West Cedar..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	6.90 0.79	1.00
06 46 36 00-0154	LF		1-1/2" x 2-1/2" Custom Shaped Clear West Cedar..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	8.73 0.82	1.09
06 46 36 00-0155	LF		1-1/2" x 3-1/2" Custom Shaped Clear West Cedar..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	10.56 0.84	1.09
06 46 36 00-0156	LF		1-1/2" x 4-1/2" Custom Shaped Clear West Cedar..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	12.38 0.86	1.18
06 46 36 00-0157	LF		1-1/2" x 5-1/2" Custom Shaped Clear West Cedar..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	14.22 0.89	1.18
06 46 36 00-0158	LF		1-1/2" x 6-1/2" Custom Shaped Clear West Cedar..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	16.23 0.96	1.27
06 46 36 00-0159	LF		3-1/2" x 3-1/2" Custom Shaped Clear West Cedar..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	19.22 0.89	1.18
06 46 36 00-0160	LF		3-1/2" x 4-1/2" Custom Shaped Clear West Cedar..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	23.22 0.93	1.18
06 46 36 00-0161	LF		3-1/2" x 5-1/2" Custom Shaped Clear West Cedar..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	27.16 0.96	1.27
06 46 36 00-0162	LF		3-1/2" x 6-1/2" Custom Shaped Clear West Cedar..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	31.25 1.02	1.36
06 46 36 00-0163	LF		3-1/2" x 7-1/2" Custom Shaped Clear West Cedar..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	35.17 1.04	1.36
06 46 36 00-0164	LF		3-1/2" x 8-1/2" Custom Shaped Clear West Cedar..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	39.19 1.08	1.45
06 46 36 00-0165	LF		3-1/2" x 9-1/2" Custom Shaped Clear West Cedar..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	43.12 1.10	1.45
06 46 36 00-0166	LF		3-1/2" x 10-1/2" Custom Shaped Clear West Cedar..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	47.04 1.12	1.45
06 46 36 00-0167	LF		3-1/2" x 11-1/2" Custom Shaped Clear West Cedar..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	51.15 1.19	1.54
06 46 36 00-0168			Cherry <small>(06 46 36)</small>		
06 46 36 00-0169	LF		3/4" x 1-1/2" Custom Shaped Cherry..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	5.53 0.73	1.00
06 46 36 00-0170	LF		3/4" x 2-1/2" Custom Shaped Cherry..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	6.80 0.75	1.00
06 46 36 00-0171	LF		3/4" x 3-1/2" Custom Shaped Cherry..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	8.08 0.78	1.00
06 46 36 00-0172	LF		3/4" x 4-1/2" Custom Shaped Cherry..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	9.36 0.80	1.09
06 46 36 00-0173	LF		3/4" x 5-1/2" Custom Shaped Cherry..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	10.73 0.85	1.09
06 46 36 00-0174	LF		3/4" x 6-1/2" Custom Shaped Cherry..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	12.11 0.89	1.18
06 46 36 00-0175	LF		3/4" x 7-1/2" Custom Shaped Cherry..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	13.37 0.92	1.18
06 46 36 00-0176	LF		3/4" x 8-1/2" Custom Shaped Cherry..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	14.66 0.94	1.18
06 46 36 00-0177	LF		3/4" x 9-1/2" Custom Shaped Cherry..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	15.90 0.96	1.27
06 46 36 00-0178	LF		3/4" x 10-1/2" Custom Shaped Cherry..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	17.29 1.01	1.27
06 46 36 00-0179	LF		3/4" x 11-1/2" Custom Shaped Cherry..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	18.60 1.04	1.36
06 46 36 00-0180	LF		1" x 1-1/2" Custom Shaped Cherry..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	6.38 0.75	1.00
06 46 36 00-0181	LF		1" x 2-1/2" Custom Shaped Cherry..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	8.04 0.78	1.00
06 46 36 00-0182	LF		1" x 3-1/2" Custom Shaped Cherry..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	9.71 0.80	1.09
06 46 36 00-0183	LF		1" x 4-1/2" Custom Shaped Cherry..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	11.36 0.82	1.09
06 46 36 00-0184	LF		1" x 5-1/2" Custom Shaped Cherry..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	13.12 0.87	1.18
06 46 36 00-0185	LF		1" x 6-1/2" Custom Shaped Cherry..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	14.88 0.92	1.18
06 46 36 00-0186	LF		1" x 7-1/2" Custom Shaped Cherry..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	16.53 0.94	1.18
06 46 36 00-0187	LF		1" x 8-1/2" Custom Shaped Cherry..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	18.24 0.97	1.27

06 Wood, Plastics, and Composites**06 40 Architectural Woodwork****06 46 Wood Trim**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 46 36 00-0188	LF		1" x 9-1/2" Custom Shaped Cherry <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	19.82 0.98	1.27
06 46 36 00-0189	LF		1" x 10-1/2" Custom Shaped Cherry <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	21.60 1.03	1.36
06 46 36 00-0190	LF		1" x 11-1/2" Custom Shaped Cherry <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	23.30 1.06	1.36
06 46 36 00-0191	LF		1-1/4" x 1-1/2" Custom Shaped Cherry <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	7.31 0.77	1.00
06 46 36 00-0192	LF		1-1/4" x 2-1/2" Custom Shaped Cherry <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	9.41 0.80	1.00
06 46 36 00-0193	LF		1-1/4" x 3-1/2" Custom Shaped Cherry <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	11.47 0.82	1.09
06 46 36 00-0194	LF		1-1/4" x 4-1/2" Custom Shaped Cherry <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	13.56 0.84	1.09
06 46 36 00-0195	LF		1-1/4" x 5-1/2" Custom Shaped Cherry <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	15.73 0.89	1.18
06 46 36 00-0196	LF		1-1/4" x 6-1/2" Custom Shaped Cherry <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	17.92 0.94	1.18
06 46 36 00-0197	LF		1-1/4" x 7-1/2" Custom Shaped Cherry <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	19.97 0.96	1.27
06 46 36 00-0198	LF		1-1/4" x 8-1/2" Custom Shaped Cherry <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	22.09 0.99	1.27
06 46 36 00-0199	LF		1-1/4" x 9-1/2" Custom Shaped Cherry <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	24.10 1.00	1.27
06 46 36 00-0200	LF		1-1/4" x 10-1/2" Custom Shaped Cherry <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	26.32 1.05	1.36
06 46 36 00-0201	LF		1-1/4" x 11-1/2" Custom Shaped Cherry <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	28.42 1.08	1.45
06 46 36 00-0202	LF		1-1/2" x 1-1/2" Custom Shaped Cherry <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	9.01 0.79	1.00
06 46 36 00-0203	LF		1-1/2" x 2-1/2" Custom Shaped Cherry <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	11.90 0.82	1.09
06 46 36 00-0204	LF		1-1/2" x 3-1/2" Custom Shaped Cherry <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	14.77 0.84	1.09
06 46 36 00-0205	LF		1-1/2" x 4-1/2" Custom Shaped Cherry <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	17.65 0.86	1.18
06 46 36 00-0206	LF		1-1/2" x 5-1/2" Custom Shaped Cherry <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	20.54 0.89	1.18
06 46 36 00-0207	LF		1-1/2" x 6-1/2" Custom Shaped Cherry <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	23.61 0.96	1.27
06 46 36 00-0208	LF		1-1/2" x 7-1/2" Custom Shaped Cherry <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	26.48 0.98	1.27
06 46 36 00-0209	LF		1-1/2" x 8-1/2" Custom Shaped Cherry <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	29.39 1.01	1.27
06 46 36 00-0210	LF		1-1/2" x 9-1/2" Custom Shaped Cherry <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	32.22 1.02	1.36
06 46 36 00-0211	LF		1-1/2" x 10-1/2" Custom Shaped Cherry <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	35.27 1.07	1.36
06 46 36 00-0212	LF		1-1/2" x 11-1/2" Custom Shaped Cherry <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	38.14 1.10	1.45
06 46 36 00-0213			Cypress <small>(06 46 36)</small>		
06 46 36 00-0214	LF		3/4" x 1-1/2" Custom Shaped Cypress <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	4.52 0.73	1.00
06 46 36 00-0215	LF		3/4" x 2-1/2" Custom Shaped Cypress <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	5.29 0.75	1.00
06 46 36 00-0216	LF		3/4" x 3-1/2" Custom Shaped Cypress <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	6.07 0.78	1.00
06 46 36 00-0217	LF		3/4" x 4-1/2" Custom Shaped Cypress <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	6.84 0.80	1.09
06 46 36 00-0218	LF		3/4" x 5-1/2" Custom Shaped Cypress <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	7.71 0.85	1.09
06 46 36 00-0219	LF		3/4" x 6-1/2" Custom Shaped Cypress <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	8.58 0.89	1.18
06 46 36 00-0220	LF		3/4" x 7-1/2" Custom Shaped Cypress <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	9.54 0.92	1.18
06 46 36 00-0221	LF		3/4" x 8-1/2" Custom Shaped Cypress <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	10.35 0.94	1.18
06 46 36 00-0222	LF		3/4" x 9-1/2" Custom Shaped Cypress <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	11.83 0.96	1.27
06 46 36 00-0223	LF		3/4" x 10-1/2" Custom Shaped Cypress <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	12.81 1.01	1.27
06 46 36 00-0224	LF		1" x 1-1/2" Custom Shaped Cypress <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	5.62 0.75	1.00
06 46 36 00-0225	LF		1" x 2-1/2" Custom Shaped Cypress <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	6.87 0.78	1.00
06 46 36 00-0226	LF		1" x 3-1/2" Custom Shaped Cypress <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	8.15 0.80	1.09
06 46 36 00-0227	LF		1" x 4-1/2" Custom Shaped Cypress <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	9.42 0.82	1.09
06 46 36 00-0228	LF		1" x 5-1/2" Custom Shaped Cypress <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	10.80 0.87	1.18



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 46 36 00-0229 LF 1" x 6-1/2" Custom Shaped Cypress <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	12.15 0.92	1.18
06 46 36 00-0230 LF 1" x 7-1/2" Custom Shaped Cypress <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	13.41 0.94	1.18
06 46 36 00-0231 LF 1" x 8-1/2" Custom Shaped Cypress <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	14.72 0.97	1.27
06 46 36 00-0232 LF 1" x 9-1/2" Custom Shaped Cypress <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	15.94 0.98	1.27
06 46 36 00-0233 LF 1" x 10-1/2" Custom Shaped Cypress <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	17.36 1.03	1.36
06 46 36 00-0234 LF 1" x 11-1/2" Custom Shaped Cypress <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	18.63 1.06	1.36
06 46 36 00-0235 LF 1-1/2" x 1-1/2" Custom Shaped Cypress <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	6.42 0.79	1.00
06 46 36 00-0236 LF 1-1/2" x 2-1/2" Custom Shaped Cypress <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	8.02 0.82	1.09
06 46 36 00-0237 LF 1-1/2" x 3-1/2" Custom Shaped Cypress <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	9.60 0.84	1.09
06 46 36 00-0238 LF 1-1/2" x 4-1/2" Custom Shaped Cypress <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	11.19 0.86	1.18
06 46 36 00-0239 LF 1-1/2" x 5-1/2" Custom Shaped Cypress <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	12.78 0.89	1.18
06 46 36 00-0240 LF 1-1/2" x 6-1/2" Custom Shaped Cypress <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	14.56 0.96	1.27
06 46 36 00-0241 LF 1-1/2" x 7-1/2" Custom Shaped Cypress <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	16.13 0.98	1.27
06 46 36 00-0242 LF 1-1/2" x 8-1/2" Custom Shaped Cypress <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	17.75 1.01	1.27
06 46 36 00-0243 LF 1-1/2" x 9-1/2" Custom Shaped Cypress <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	20.72 1.02	1.36
06 46 36 00-0244 LF 1-1/2" x 10-1/2" Custom Shaped Cypress <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	22.53 1.07	1.36
06 46 36 00-0245 Fir (06 46 36)		
06 46 36 00-0246 LF 3/4" x 1-1/2" Custom Shaped Fir <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	4.90 0.73	1.00
06 46 36 00-0247 LF 3/4" x 2-1/2" Custom Shaped Fir <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	5.87 0.75	1.00
06 46 36 00-0248 LF 3/4" x 3-1/2" Custom Shaped Fir <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	6.84 0.78	1.00
06 46 36 00-0249 LF 3/4" x 4-1/2" Custom Shaped Fir <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	7.80 0.80	1.09
06 46 36 00-0250 LF 3/4" x 5-1/2" Custom Shaped Fir <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	8.86 0.85	1.09
06 46 36 00-0251 LF 3/4" x 6-1/2" Custom Shaped Fir <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	9.93 0.89	1.18
06 46 36 00-0252 LF 3/4" x 7-1/2" Custom Shaped Fir <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	10.88 0.92	1.18
06 46 36 00-0253 LF 3/4" x 8-1/2" Custom Shaped Fir <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	11.86 0.94	1.18
06 46 36 00-0254 LF 3/4" x 9-1/2" Custom Shaped Fir <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	12.78 0.96	1.27
06 46 36 00-0255 LF 3/4" x 10-1/2" Custom Shaped Fir <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	13.87 1.01	1.36
06 46 36 00-0256 LF 1" x 1-1/2" Custom Shaped Fir <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	5.62 0.75	1.00
06 46 36 00-0257 LF 1" x 2-1/2" Custom Shaped Fir <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	6.87 0.78	1.00
06 46 36 00-0258 LF 1" x 3-1/2" Custom Shaped Fir <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	8.15 0.80	1.09
06 46 36 00-0259 LF 1" x 4-1/2" Custom Shaped Fir <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	9.42 0.82	1.09
06 46 36 00-0260 LF 1" x 5-1/2" Custom Shaped Fir <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	10.80 0.87	1.18
06 46 36 00-0261 LF 1" x 6-1/2" Custom Shaped Fir <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	12.15 0.92	1.18
06 46 36 00-0262 LF 1" x 7-1/2" Custom Shaped Fir <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	13.41 0.94	1.18
06 46 36 00-0263 LF 1" x 8-1/2" Custom Shaped Fir <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	14.72 0.97	1.27
06 46 36 00-0264 LF 1" x 9-1/2" Custom Shaped Fir <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	15.94 0.98	1.27
06 46 36 00-0265 LF 1" x 10-1/2" Custom Shaped Fir <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	17.36 1.03	1.36
06 46 36 00-0266 LF 1" x 11-1/2" Custom Shaped Fir <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	18.63 1.06	1.36
06 46 36 00-0267 LF 1-1/4" x 1-1/2" Custom Shaped Fir <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	6.16 0.77	1.00
06 46 36 00-0268 LF 1-1/4" x 2-1/2" Custom Shaped Fir <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	7.69 0.80	1.00
06 46 36 00-0269 LF 1-1/4" x 3-1/2" Custom Shaped Fir <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	9.18 0.82	1.09

06 Wood, Plastics, and Composites**06 40 Architectural Woodwork****06 46 Wood Trim**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 46 36 00-0270	LF	1-1/4" x 4-1/2" Custom Shaped Fir	.....	10.69	1.09
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>		0.84	
06 46 36 00-0271	LF	1-1/4" x 5-1/2" Custom Shaped Fir	.....	12.28	1.18
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>		0.89	
06 46 36 00-0272	LF	1-1/4" x 6-1/2" Custom Shaped Fir	.....	13.89	1.18
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>		0.94	
06 46 36 00-0273	LF	1-1/4" x 7-1/2" Custom Shaped Fir	.....	15.37	1.27
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>		0.96	
06 46 36 00-0274	LF	1-1/4" x 8-1/2" Custom Shaped Fir	.....	16.91	1.27
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>		0.99	
06 46 36 00-0275	LF	1-1/4" x 9-1/2" Custom Shaped Fir	.....	18.35	1.27
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>		1.00	
06 46 36 00-0276	LF	1-1/4" x 10-1/2" Custom Shaped Fir	.....	20.00	1.36
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>		1.05	
06 46 36 00-0277	LF	1-1/4" x 11-1/2" Custom Shaped Fir	.....	21.53	1.45
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>		1.08	
06 46 36 00-0278	LF	1-1/2" x 1-1/2" Custom Shaped Fir	.....	6.90	1.00
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>		0.79	
06 46 36 00-0279	LF	1-1/2" x 2-1/2" Custom Shaped Fir	.....	8.73	1.09
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>		0.82	
06 46 36 00-0280	LF	1-1/2" x 3-1/2" Custom Shaped Fir	.....	10.56	1.09
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>		0.84	
06 46 36 00-0281	LF	1-1/2" x 4-1/2" Custom Shaped Fir	.....	12.38	1.18
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>		0.86	
06 46 36 00-0282	LF	1-1/2" x 5-1/2" Custom Shaped Fir	.....	14.22	1.18
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>		0.89	
06 46 36 00-0283	LF	1-1/2" x 6-1/2" Custom Shaped Fir	.....	16.23	1.27
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>		0.96	
06 46 36 00-0284	LF	1-1/2" x 7-1/2" Custom Shaped Fir	.....	18.05	1.27
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>		0.98	
06 46 36 00-0285	LF	1-1/2" x 8-1/2" Custom Shaped Fir	.....	19.90	1.36
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>		1.01	
06 46 36 00-0286	LF	1-1/2" x 9-1/2" Custom Shaped Fir	.....	21.68	1.36
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>		1.02	
06 46 36 00-0287	LF	1-1/2" x 10-1/2" Custom Shaped Fir	.....	23.63	1.45
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>		1.07	
06 46 36 00-0288	LF	1-1/2" x 11-1/2" Custom Shaped Fir	.....	25.50	1.45
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>		1.10	
06 46 36 00-0289	LF	2-1/2" x 1-1/2" Custom Shaped Fir	.....	10.52	1.09
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>		0.83	
06 46 36 00-0290	LF	2-1/2" x 2-1/2" Custom Shaped Fir	.....	14.06	1.09
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>		0.85	
06 46 36 00-0291	LF	2-1/2" x 3-1/2" Custom Shaped Fir	.....	17.60	1.18
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>		0.87	
06 46 36 00-0292	LF	2-1/2" x 4-1/2" Custom Shaped Fir	.....	21.22	1.18
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>		0.91	
06 46 36 00-0293	LF	2-1/2" x 5-1/2" Custom Shaped Fir	.....	24.77	1.18
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>		0.94	
06 46 36 00-0294	LF	2-1/2" x 6-1/2" Custom Shaped Fir	.....	28.48	1.27
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>		1.00	
06 46 36 00-0295	LF	2-1/2" x 7-1/2" Custom Shaped Fir	.....	32.01	1.36
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>		1.02	
06 46 36 00-0296	LF	2-1/2" x 8-1/2" Custom Shaped Fir	.....	35.70	1.36
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>		1.06	
06 46 36 00-0297	LF	2-1/2" x 9-1/2" Custom Shaped Fir	.....	39.19	1.45
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>		1.08	
06 46 36 00-0298	LF	2-1/2" x 10-1/2" Custom Shaped Fir	.....	42.73	1.45
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>		1.10	
06 46 36 00-0299	LF	3-1/2" x 3-1/2" Custom Shaped Fir	.....	21.57	1.18
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>		0.89	
06 46 36 00-0300	LF	3-1/2" x 4-1/2" Custom Shaped Fir	.....	26.10	1.18
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>		0.93	
06 46 36 00-0301	LF	3-1/2" x 5-1/2" Custom Shaped Fir	.....	30.60	1.27
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>		0.96	
06 46 36 00-0302	LF	3-1/2" x 6-1/2" Custom Shaped Fir	.....	35.27	1.36
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>		1.02	
06 46 36 00-0303	LF	3-1/2" x 7-1/2" Custom Shaped Fir	.....	39.77	1.36
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>		1.04	
06 46 36 00-0304	LF	3-1/2" x 8-1/2" Custom Shaped Fir	.....	44.37	1.45
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>		1.08	
06 46 36 00-0305	LF	3-1/2" x 9-1/2" Custom Shaped Fir	.....	48.86	1.45
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>		1.10	
06 46 36 00-0306	LF	3-1/2" x 10-1/2" Custom Shaped Fir	.....	53.36	1.45
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>		1.12	
06 46 36 00-0307		Honduran Mahogany <small>(06 46 36)</small>			
06 46 36 00-0308	LF	3/4" x 1-1/2" Custom Shaped Honduras Mahogany	.....	5.81	1.00
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>		0.73	
06 46 36 00-0309	LF	3/4" x 2-1/2" Custom Shaped Honduras Mahogany	.....	7.23	1.00
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>		0.75	
06 46 36 00-0310	LF	3/4" x 3-1/2" Custom Shaped Honduras Mahogany	.....	8.66	1.00
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>		0.78	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 46 36 00-0311	LF	3/4"	3/4" x 4-1/2" Custom Shaped Honduras Mahogany <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	10.08 0.80	1.09
06 46 36 00-0312	LF	3/4"	3/4" x 5-1/2" Custom Shaped Honduras Mahogany <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	11.59 0.85	1.09
06 46 36 00-0313	LF	3/4"	3/4" x 6-1/2" Custom Shaped Honduras Mahogany <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	13.11 0.89	1.18
06 46 36 00-0314	LF	3/4"	3/4" x 7-1/2" Custom Shaped Honduras Mahogany <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	14.52 0.92	1.18
06 46 36 00-0315	LF	3/4"	3/4" x 8-1/2" Custom Shaped Honduras Mahogany <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	15.96 0.94	1.27
06 46 36 00-0316	LF	3/4"	3/4" x 9-1/2" Custom Shaped Honduras Mahogany <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	17.33 0.96	1.27
06 46 36 00-0317	LF	3/4"	3/4" x 10-1/2" Custom Shaped Honduras Mahogany <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	18.87 1.01	1.36
06 46 36 00-0318	LF	3/4"	3/4" x 11-1/2" Custom Shaped Honduras Mahogany <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	20.33 1.04	1.36
06 46 36 00-0319	LF	1"	1" x 1-1/2" Custom Shaped Honduras Mahogany <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	6.82 0.75	1.00
06 46 36 00-0320	LF	1"	1" x 2-1/2" Custom Shaped Honduras Mahogany <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	8.66 0.78	1.00
06 46 36 00-0321	LF	1"	1" x 3-1/2" Custom Shaped Honduras Mahogany <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	10.55 0.80	1.09
06 46 36 00-0322	LF	1"	1" x 4-1/2" Custom Shaped Honduras Mahogany <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	12.42 0.82	1.09
06 46 36 00-0323	LF	1"	1" x 5-1/2" Custom Shaped Honduras Mahogany <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	14.39 0.87	1.18
06 46 36 00-0324	LF	1"	1" x 6-1/2" Custom Shaped Honduras Mahogany <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	16.34 0.92	1.18
06 46 36 00-0325	LF	1"	1" x 7-1/2" Custom Shaped Honduras Mahogany <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	18.20 0.94	1.27
06 46 36 00-0326	LF	1"	1" x 8-1/2" Custom Shaped Honduras Mahogany <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	20.11 0.97	1.27
06 46 36 00-0327	LF	1"	1" x 9-1/2" Custom Shaped Honduras Mahogany <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	21.93 0.98	1.27
06 46 36 00-0328	LF	1"	1" x 10-1/2" Custom Shaped Honduras Mahogany <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	23.90 1.03	1.36
06 46 36 00-0329	LF	1"	1" x 11-1/2" Custom Shaped Honduras Mahogany <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	26.06 1.06	1.36
06 46 36 00-0330	LF	1-1/4"	1-1/4" x 1-1/2" Custom Shaped Honduras Mahogany <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	7.60 0.77	1.00
06 46 36 00-0331	LF	1-1/4"	1-1/4" x 2-1/2" Custom Shaped Honduras Mahogany <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	9.84 0.80	1.00
06 46 36 00-0332	LF	1-1/4"	1-1/4" x 3-1/2" Custom Shaped Honduras Mahogany <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	12.05 0.82	1.09
06 46 36 00-0333	LF	1-1/4"	1-1/4" x 4-1/2" Custom Shaped Honduras Mahogany <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	14.28 0.84	1.09
06 46 36 00-0334	LF	1-1/4"	1-1/4" x 5-1/2" Custom Shaped Honduras Mahogany <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	16.59 0.89	1.18
06 46 36 00-0335	LF	1-1/4"	1-1/4" x 6-1/2" Custom Shaped Honduras Mahogany <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	18.92 0.94	1.27
06 46 36 00-0336	LF	1-1/4"	1-1/4" x 7-1/2" Custom Shaped Honduras Mahogany <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	21.12 0.96	1.27
06 46 36 00-0337	LF	1-1/4"	1-1/4" x 8-1/2" Custom Shaped Honduras Mahogany <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	23.38 0.99	1.27
06 46 36 00-0338	LF	1-1/4"	1-1/4" x 9-1/2" Custom Shaped Honduras Mahogany <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	25.06 1.00	1.27
06 46 36 00-0339	LF	1-1/4"	1-1/4" x 10-1/2" Custom Shaped Honduras Mahogany <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	27.90 1.05	1.36
06 46 36 00-0340	LF	1-1/4"	1-1/4" x 11-1/2" Custom Shaped Honduras Mahogany <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	30.15 1.08	1.45
06 46 36 00-0341	LF	1-1/2"	1-1/2" x 1-1/2" Custom Shaped Honduras Mahogany <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	9.10 0.79	1.00
06 46 36 00-0342	LF	1-1/2"	1-1/2" x 2-1/2" Custom Shaped Honduras Mahogany <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	12.04 0.82	1.09
06 46 36 00-0343	LF	1-1/2"	1-1/2" x 3-1/2" Custom Shaped Honduras Mahogany <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	14.97 0.84	1.09
06 46 36 00-0344	LF	1-1/2"	1-1/2" x 4-1/2" Custom Shaped Honduras Mahogany <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	17.89 0.86	1.09
06 46 36 00-0345	LF	1-1/2"	1-1/2" x 5-1/2" Custom Shaped Honduras Mahogany <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	20.83 0.89	1.18
06 46 36 00-0346	LF	1-1/2"	1-1/2" x 6-1/2" Custom Shaped Honduras Mahogany <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	23.95 0.96	1.27
06 46 36 00-0347	LF	1-1/2"	1-1/2" x 7-1/2" Custom Shaped Honduras Mahogany <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	26.86 0.98	1.27
06 46 36 00-0348	LF	1-1/2"	1-1/2" x 8-1/2" Custom Shaped Honduras Mahogany <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	29.82 1.01	1.36
06 46 36 00-0349	LF	1-1/2"	1-1/2" x 9-1/2" Custom Shaped Honduras Mahogany <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	32.70 1.02	1.36
06 46 36 00-0350	LF	1-1/2"	1-1/2" x 10-1/2" Custom Shaped Honduras Mahogany <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	35.75 1.07	1.36
06 46 36 00-0351	LF	1-1/2"	1-1/2" x 11-1/2" Custom Shaped Honduras Mahogany <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	38.77 1.10	1.45
06 46 36 00-0352	LF	2"	2" x 1-1/2" Custom Shaped Honduras Mahogany <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	10.60 0.81	1.09

06 Wood, Plastics, and Composites**06 40 Architectural Woodwork****06 46 Wood Trim**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 46 36 00-0353 LF 2" x 2-1/2" Custom Shaped Honduras Mahogany..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	14.23 0.83	1.09
06 46 36 00-0354 LF 2" x 3-1/2" Custom Shaped Honduras Mahogany..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	17.84 0.85	1.09
06 46 36 00-0355 LF 2" x 4-1/2" Custom Shaped Honduras Mahogany..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	21.56 0.89	1.18
06 46 36 00-0356 LF 2" x 5-1/2" Custom Shaped Honduras Mahogany..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	25.18 0.92	1.18
06 46 36 00-0357 LF 2" x 6-1/2" Custom Shaped Honduras Mahogany..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	28.98 0.98	1.27
06 46 36 00-0358 LF 2" x 7-1/2" Custom Shaped Honduras Mahogany..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	32.60 1.00	1.27
06 46 36 00-0359 LF 2" x 8-1/2" Custom Shaped Honduras Mahogany..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	36.32 1.04	1.36
06 46 36 00-0360 LF 2" x 9-1/2" Custom Shaped Honduras Mahogany..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	39.94 1.06	1.36
06 46 36 00-0361 LF 2" x 10-1/2" Custom Shaped Honduras Mahogany..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	43.58 1.08	1.45
06 46 36 00-0362 LF 2" x 11-1/2" Custom Shaped Honduras Mahogany..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	47.38 1.15	1.54
06 46 36 00-0363 LF 2-1/2" x 1-1/2" Custom Shaped Honduras Mahogany..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	12.72 0.83	1.09
06 46 36 00-0364 LF 2-1/2" x 2-1/2" Custom Shaped Honduras Mahogany..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	16.64 0.85	1.09
06 46 36 00-0365 LF 2-1/2" x 3-1/2" Custom Shaped Honduras Mahogany..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	21.05 0.87	1.18
06 46 36 00-0366 LF 2-1/2" x 4-1/2" Custom Shaped Honduras Mahogany..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	25.53 0.91	1.18
06 46 36 00-0367 LF 2-1/2" x 5-1/2" Custom Shaped Honduras Mahogany..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	29.94 0.94	1.18
06 46 36 00-0368 LF 2-1/2" x 6-1/2" Custom Shaped Honduras Mahogany..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	34.51 1.00	1.27
06 46 36 00-0369 LF 2-1/2" x 7-1/2" Custom Shaped Honduras Mahogany..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	38.91 1.02	1.36
06 46 36 00-0370 LF 2-1/2" x 8-1/2" Custom Shaped Honduras Mahogany..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	43.41 1.06	1.36
06 46 36 00-0371 LF 2-1/2" x 9-1/2" Custom Shaped Honduras Mahogany..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	47.82 1.08	1.45
06 46 36 00-0372 LF 2-1/2" x 10-1/2" Custom Shaped Honduras Mahogany..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	52.22 1.10	1.45
06 46 36 00-0373 LF 2-1/2" x 11-1/2" Custom Shaped Honduras Mahogany..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	56.81 1.17	1.54
06 46 36 00-0374 LF 3-1/2" x 3-1/2" Custom Shaped Honduras Mahogany..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	28.04 0.89	1.18
06 46 36 00-0375 LF 3-1/2" x 4-1/2" Custom Shaped Honduras Mahogany..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	34.24 0.93	1.18
06 46 36 00-0376 LF 3-1/2" x 5-1/2" Custom Shaped Honduras Mahogany..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	40.38 0.96	1.27
06 46 36 00-0377 LF 3-1/2" x 6-1/2" Custom Shaped Honduras Mahogany..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	46.67 1.02	1.36
06 46 36 00-0378 LF 3-1/2" x 7-1/2" Custom Shaped Honduras Mahogany..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	52.80 1.04	1.36
06 46 36 00-0379 LF 3-1/2" x 8-1/2" Custom Shaped Honduras Mahogany..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	59.03 1.08	1.45
06 46 36 00-0380 LF 3-1/2" x 9-1/2" Custom Shaped Honduras Mahogany..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	65.15 1.10	1.45
06 46 36 00-0381 LF 3-1/2" x 10-1/2" Custom Shaped Honduras Mahogany..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	71.28 1.12	1.45
06 46 36 00-0382 LF 3-1/2" x 11-1/2" Custom Shaped Honduras Mahogany..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	77.60 1.19	1.54
06 46 36 00-0383 Maple <small>(06 46 36)</small>		
06 46 36 00-0384 LF 3/4" x 1-1/2" Custom Shaped Maple.....	4.71	1.00
06 46 36 00-0385 LF 3/4" x 2-1/2" Custom Shaped Maple.....	5.58	1.00
06 46 36 00-0386 LF 3/4" x 3-1/2" Custom Shaped Maple.....	6.46	1.00
06 46 36 00-0387 LF 3/4" x 4-1/2" Custom Shaped Maple.....	7.32	1.09
06 46 36 00-0388 LF 3/4" x 5-1/2" Custom Shaped Maple.....	8.29	1.09
06 46 36 00-0389 LF 3/4" x 6-1/2" Custom Shaped Maple.....	9.26	1.18
06 46 36 00-0390 LF 3/4" x 7-1/2" Custom Shaped Maple.....	10.11	1.18
06 46 36 00-0391 LF 3/4" x 8-1/2" Custom Shaped Maple.....	11.00	1.18
06 46 36 00-0392 LF 3/4" x 9-1/2" Custom Shaped Maple.....	11.83	1.27
06 46 36 00-0393 LF 3/4" x 10-1/2" Custom Shaped Maple.....	12.81	1.36
06 46 36 00-0394 LF 3/4" x 11-1/2" Custom Shaped Maple.....	13.72	1.36
06 46 36 00-0395 LF 1" x 1-1/2" Custom Shaped Maple.....	5.38	1.00
06 46 36 00-0396 LF 1" x 2-1/2" Custom Shaped Maple.....	6.51	1.00
06 46 36 00-0397 LF 1" x 3-1/2" Custom Shaped Maple.....	7.67	1.09
06 46 36 00-0398 LF 1" x 4-1/2" Custom Shaped Maple.....	8.83	1.09
06 46 36 00-0399 LF 1" x 5-1/2" Custom Shaped Maple.....	10.08	1.18
06 46 36 00-0400 LF 1" x 6-1/2" Custom Shaped Maple.....	11.31	1.18
06 46 36 00-0401 LF 1" x 7-1/2" Custom Shaped Maple.....	12.45	1.18
06 46 36 00-0402 LF 1" x 8-1/2" Custom Shaped Maple.....	13.64	1.27
06 46 36 00-0403 LF 1" x 9-1/2" Custom Shaped Maple.....	14.74	1.27



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 46 36 00-0404	LF		1" x 10-1/2" Custom Shaped Maple.....	15.51	1.36
06 46 36 00-0405	LF		1" x 11-1/2" Custom Shaped Maple.....	17.20	1.36
06 46 36 00-0406	LF		1-1/4" x 1-1/2" Custom Shaped Maple.....	5.95	1.00
06 46 36 00-0407	LF		1-1/4" x 2-1/2" Custom Shaped Maple.....	7.35	1.00
06 46 36 00-0408	LF		1-1/4" x 3-1/2" Custom Shaped Maple.....	8.74	1.09
06 46 36 00-0409	LF		1-1/4" x 4-1/2" Custom Shaped Maple.....	10.14	1.09
06 46 36 00-0410	LF		1-1/4" x 5-1/2" Custom Shaped Maple.....	11.63	1.18
06 46 36 00-0411	LF		1-1/4" x 6-1/2" Custom Shaped Maple.....	13.12	1.18
06 46 36 00-0412	LF		1-1/4" x 7-1/2" Custom Shaped Maple.....	14.51	1.27
06 46 36 00-0413	LF		1-1/4" x 8-1/2" Custom Shaped Maple.....	15.93	1.27
06 46 36 00-0414	LF		1-1/4" x 9-1/2" Custom Shaped Maple.....	17.27	1.27
06 46 36 00-0415	LF		1-1/4" x 10-1/2" Custom Shaped Maple.....	18.80	1.36
06 46 36 00-0416	LF		1-1/4" x 11-1/2" Custom Shaped Maple.....	20.23	1.45
06 46 36 00-0417	LF		1-1/2" x 1-1/2" Custom Shaped Maple.....	7.09	1.00
06 46 36 00-0418	LF		1-1/2" x 2-1/2" Custom Shaped Maple.....	9.02	1.09
06 46 36 00-0419	LF		1-1/2" x 3-1/2" Custom Shaped Maple.....	10.94	1.09
06 46 36 00-0420	LF		1-1/2" x 4-1/2" Custom Shaped Maple.....	12.86	1.18
06 46 36 00-0421	LF		1-1/2" x 5-1/2" Custom Shaped Maple.....	14.79	1.18
06 46 36 00-0422	LF		1-1/2" x 6-1/2" Custom Shaped Maple.....	16.90	1.27
06 46 36 00-0423	LF		1-1/2" x 7-1/2" Custom Shaped Maple.....	18.81	1.27
06 46 36 00-0424	LF		1-1/2" x 8-1/2" Custom Shaped Maple.....	21.00	1.36
06 46 36 00-0425	LF		1-1/2" x 9-1/2" Custom Shaped Maple.....	22.63	1.36
06 46 36 00-0426	LF		1-1/2" x 10-1/2" Custom Shaped Maple.....	24.73	1.45
06 46 36 00-0427	LF		1-1/2" x 11-1/2" Custom Shaped Maple.....	26.65	1.45
06 46 36 00-0428	LF		2" x 1-1/2" Custom Shaped Maple.....	8.92	1.09
06 46 36 00-0429	LF		2" x 2-1/2" Custom Shaped Maple.....	11.72	1.09
06 46 36 00-0430	LF		2" x 3-1/2" Custom Shaped Maple.....	14.49	1.09
06 46 36 00-0431	LF		2" x 4-1/2" Custom Shaped Maple.....	17.37	1.18
06 46 36 00-0432	LF		2" x 5-1/2" Custom Shaped Maple.....	20.15	1.18
06 46 36 00-0433	LF		2" x 6-1/2" Custom Shaped Maple.....	23.12	1.27
06 46 36 00-0434	LF		2" x 7-1/2" Custom Shaped Maple.....	25.89	1.27
06 46 36 00-0435	LF		2" x 8-1/2" Custom Shaped Maple.....	28.77	1.36
06 46 36 00-0436	LF		2" x 9-1/2" Custom Shaped Maple.....	31.56	1.36
06 46 36 00-0437	LF		2" x 10-1/2" Custom Shaped Maple.....	34.35	1.45
06 46 36 00-0438	LF		2" x 11-1/2" Custom Shaped Maple.....	37.56	1.54
06 46 36 00-0439	LF		3-1/2" x 3-1/2" Custom Shaped Maple.....	29.95	1.18
06 46 36 00-0440	LF		3-1/2" x 4-1/2" Custom Shaped Maple.....	36.64	1.18
06 46 36 00-0441	LF		3-1/2" x 5-1/2" Custom Shaped Maple.....	43.25	1.27
06 46 36 00-0442	LF		3-1/2" x 6-1/2" Custom Shaped Maple.....	50.03	1.36
06 46 36 00-0443	LF		3-1/2" x 7-1/2" Custom Shaped Maple.....	56.63	1.36
06 46 36 00-0444	LF		3-1/2" x 8-1/2" Custom Shaped Maple.....	63.34	1.45
06 46 36 00-0445	LF		3-1/2" x 9-1/2" Custom Shaped Maple.....	69.94	1.45
06 46 36 00-0446	LF		3-1/2" x 10-1/2" Custom Shaped Maple.....	76.55	1.45
06 46 36 00-0447	LF		3-1/2" x 11-1/2" Custom Shaped Maple.....	83.34	1.54
06 46 36 00-0448 Appl Soft Maple (06 46 36)					
06 46 36 00-0449	LF		3/4" x 1-1/2" Custom Shaped Appl Soft Maple.....	4.76	1.00
06 46 36 00-0450	LF		3/4" x 2-1/2" Custom Shaped Appl Soft Maple.....	5.65	1.00
06 46 36 00-0451	LF		3/4" x 3-1/2" Custom Shaped Appl Soft Maple.....	6.55	1.00
06 46 36 00-0452	LF		3/4" x 4-1/2" Custom Shaped Appl Soft Maple.....	7.44	1.09
06 46 36 00-0453	LF		3/4" x 5-1/2" Custom Shaped Appl Soft Maple.....	8.43	1.09
06 46 36 00-0454	LF		3/4" x 6-1/2" Custom Shaped Appl Soft Maple.....	9.42	1.18
06 46 36 00-0455	LF		3/4" x 7-1/2" Custom Shaped Appl Soft Maple.....	10.30	1.18
06 46 36 00-0456	LF		3/4" x 8-1/2" Custom Shaped Appl Soft Maple.....	11.21	1.18
06 46 36 00-0457	LF		3/4" x 9-1/2" Custom Shaped Appl Soft Maple.....	12.06	1.27
06 46 36 00-0458	LF		3/4" x 10-1/2" Custom Shaped Appl Soft Maple.....	13.08	1.36
06 46 36 00-0459	LF		3/4" x 11-1/2" Custom Shaped Appl Soft Maple.....	14.01	1.36
06 46 36 00-0460	LF		1" x 1-1/2" Custom Shaped Appl Soft Maple.....	5.26	1.00
06 46 36 00-0461	LF		1" x 2-1/2" Custom Shaped Appl Soft Maple.....	6.34	1.00
06 46 36 00-0462	LF		1" x 3-1/2" Custom Shaped Appl Soft Maple.....	7.43	1.09
06 46 36 00-0463	LF		1" x 4-1/2" Custom Shaped Appl Soft Maple.....	8.49	1.09
06 46 36 00-0464	LF		1" x 5-1/2" Custom Shaped Appl Soft Maple.....	9.72	1.18
06 46 36 00-0465	LF		1" x 6-1/2" Custom Shaped Appl Soft Maple.....	10.90	1.18
06 46 36 00-0466	LF		1" x 7-1/2" Custom Shaped Appl Soft Maple.....	11.97	1.18
06 46 36 00-0467	LF		1" x 8-1/2" Custom Shaped Appl Soft Maple.....	13.09	1.27
06 46 36 00-0468	LF		1" x 9-1/2" Custom Shaped Appl Soft Maple.....	14.14	1.27
06 46 36 00-0469	LF		1" x 10-1/2" Custom Shaped Appl Soft Maple.....	15.34	1.36
06 46 36 00-0470	LF		1" x 11-1/2" Custom Shaped Appl Soft Maple.....	16.48	1.36
06 46 36 00-0471	LF		1-1/4" x 1-1/2" Custom Shaped Appl Soft Maple.....	5.73	1.00
06 46 36 00-0472	LF		1-1/4" x 2-1/2" Custom Shaped Appl Soft Maple.....	7.04	1.00
06 46 36 00-0473	LF		1-1/4" x 3-1/2" Custom Shaped Appl Soft Maple.....	8.31	1.09
06 46 36 00-0474	LF		1-1/4" x 4-1/2" Custom Shaped Appl Soft Maple.....	9.61	1.09
06 46 36 00-0475	LF		1-1/4" x 5-1/2" Custom Shaped Appl Soft Maple.....	10.98	1.18
06 46 36 00-0476	LF		1-1/4" x 6-1/2" Custom Shaped Appl Soft Maple.....	12.38	1.18
06 46 36 00-0477	LF		1-1/4" x 7-1/2" Custom Shaped Appl Soft Maple.....	13.65	1.27
06 46 36 00-0478	LF		1-1/4" x 8-1/2" Custom Shaped Appl Soft Maple.....	14.97	1.27
06 46 36 00-0479	LF		1-1/4" x 9-1/2" Custom Shaped Appl Soft Maple.....	16.20	1.27
06 46 36 00-0480	LF		1-1/4" x 10-1/2" Custom Shaped Appl Soft Maple.....	17.62	1.36
06 46 36 00-0481	LF		1-1/4" x 11-1/2" Custom Shaped Appl Soft Maple.....	18.94	1.45
06 46 36 00-0482	LF		1-1/2" x 1-1/2" Custom Shaped Appl Soft Maple.....	6.61	1.00

06 Wood, Plastics, and Composites**06 40 Architectural Woodwork****06 46 Wood Trim**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 46 36 00-0483 LF 1-1/2" x 2-1/2" Custom Shaped Appl Soft Maple	8.30	1.09
06 46 36 00-0484 LF 1-1/2" x 3-1/2" Custom Shaped Appl Soft Maple	9.98	1.09
06 46 36 00-0485 LF 1-1/2" x 4-1/2" Custom Shaped Appl Soft Maple	11.66	1.18
06 46 36 00-0486 LF 1-1/2" x 5-1/2" Custom Shaped Appl Soft Maple	13.36	1.18
06 46 36 00-0487 LF 1-1/2" x 6-1/2" Custom Shaped Appl Soft Maple	15.23	1.27
06 46 36 00-0488 LF 1-1/2" x 7-1/2" Custom Shaped Appl Soft Maple	16.90	1.27
06 46 36 00-0489 LF 1-1/2" x 8-1/2" Custom Shaped Appl Soft Maple	18.61	1.36
06 46 36 00-0490 LF 1-1/2" x 9-1/2" Custom Shaped Appl Soft Maple	20.24	1.36
06 46 36 00-0491 LF 1-1/2" x 10-1/2" Custom Shaped Appl Soft Maple	22.05	1.45
06 46 36 00-0492 LF 1-1/2" x 11-1/2" Custom Shaped Appl Soft Maple	23.77	1.45
06 46 36 00-0493 Red Oak <small>(06 46 36)</small>		
06 46 36 00-0494 LF 3/4" x 1-1/2" Custom Shaped Red Oak	5.00	1.00
06 46 36 00-0495 LF 3/4" x 2-1/2" Custom Shaped Red Oak	6.01	1.00
06 46 36 00-0496 LF 3/4" x 3-1/2" Custom Shaped Red Oak	7.03	1.00
06 46 36 00-0497 LF 3/4" x 4-1/2" Custom Shaped Red Oak	8.04	1.09
06 46 36 00-0498 LF 3/4" x 5-1/2" Custom Shaped Red Oak	9.15	1.09
06 46 36 00-0499 LF 3/4" x 6-1/2" Custom Shaped Red Oak	10.26	1.18
06 46 36 00-0500 LF 3/4" x 7-1/2" Custom Shaped Red Oak	11.26	1.18
06 46 36 00-0501 LF 3/4" x 8-1/2" Custom Shaped Red Oak	12.29	1.18
06 46 36 00-0502 LF 3/4" x 9-1/2" Custom Shaped Red Oak	13.26	1.27
06 46 36 00-0503 LF 3/4" x 10-1/2" Custom Shaped Red Oak	14.39	1.36
06 46 36 00-0504 LF 3/4" x 11-1/2" Custom Shaped Red Oak	15.44	1.36
06 46 36 00-0505 LF 1" x 1-1/2" Custom Shaped Red Oak	5.79	1.00
06 46 36 00-0506 LF 1" x 2-1/2" Custom Shaped Red Oak	7.15	1.00
06 46 36 00-0507 LF 1" x 3-1/2" Custom Shaped Red Oak	8.51	1.09
06 46 36 00-0508 LF 1" x 4-1/2" Custom Shaped Red Oak	10.36	1.09
06 46 36 00-0509 LF 1" x 5-1/2" Custom Shaped Red Oak	11.33	1.18
06 46 36 00-0510 LF 1" x 6-1/2" Custom Shaped Red Oak	12.79	1.18
06 46 36 00-0511 LF 1" x 7-1/2" Custom Shaped Red Oak	14.13	1.18
06 46 36 00-0512 LF 1" x 8-1/2" Custom Shaped Red Oak	15.51	1.27
06 46 36 00-0513 LF 1" x 9-1/2" Custom Shaped Red Oak	16.83	1.27
06 46 36 00-0514 LF 1" x 10-1/2" Custom Shaped Red Oak	18.32	1.36
06 46 36 00-0515 LF 1" x 11-1/2" Custom Shaped Red Oak	19.71	1.36
06 46 36 00-0516 LF 1-1/4" x 1-1/2" Custom Shaped Red Oak	6.88	1.00
06 46 36 00-0517 LF 1-1/4" x 2-1/2" Custom Shaped Red Oak	8.76	1.00
06 46 36 00-0518 LF 1-1/4" x 3-1/2" Custom Shaped Red Oak	10.61	1.09
06 46 36 00-0519 LF 1-1/4" x 4-1/2" Custom Shaped Red Oak	12.48	1.09
06 46 36 00-0520 LF 1-1/4" x 5-1/2" Custom Shaped Red Oak	14.43	1.18
06 46 36 00-0521 LF 1-1/4" x 6-1/2" Custom Shaped Red Oak	16.41	1.18
06 46 36 00-0522 LF 1-1/4" x 7-1/2" Custom Shaped Red Oak	18.24	1.27
06 46 36 00-0523 LF 1-1/4" x 8-1/2" Custom Shaped Red Oak	20.15	1.27
06 46 36 00-0524 LF 1-1/4" x 9-1/2" Custom Shaped Red Oak	21.95	1.27
06 46 36 00-0525 LF 1-1/4" x 10-1/2" Custom Shaped Red Oak	23.95	1.36
06 46 36 00-0526 LF 1-1/4" x 11-1/2" Custom Shaped Red Oak	25.84	1.45
06 46 36 00-0527 LF 1-1/2" x 1-1/2" Custom Shaped Red Oak	9.10	1.00
06 46 36 00-0528 LF 1-1/2" x 2-1/2" Custom Shaped Red Oak	12.04	1.09
06 46 36 00-0529 LF 1-1/2" x 3-1/2" Custom Shaped Red Oak	14.97	1.09
06 46 36 00-0530 LF 1-1/2" x 4-1/2" Custom Shaped Red Oak	17.89	1.09
06 46 36 00-0531 LF 1-1/2" x 5-1/2" Custom Shaped Red Oak	20.83	1.18
06 46 36 00-0532 LF 1-1/2" x 6-1/2" Custom Shaped Red Oak	23.99	1.27
06 46 36 00-0533 LF 1-1/2" x 7-1/2" Custom Shaped Red Oak	26.86	1.27
06 46 36 00-0534 LF 1-1/2" x 8-1/2" Custom Shaped Red Oak	30.30	1.36
06 46 36 00-0535 LF 1-1/2" x 9-1/2" Custom Shaped Red Oak	32.70	1.36
06 46 36 00-0536 LF 1-1/2" x 10-1/2" Custom Shaped Red Oak	35.75	1.36
06 46 36 00-0537 LF 1-1/2" x 11-1/2" Custom Shaped Red Oak	38.72	1.45
06 46 36 00-0538 LF 2" x 1-1/2" Custom Shaped Red Oak	13.23	1.09
06 46 36 00-0539 LF 2" x 2-1/2" Custom Shaped Red Oak	18.18	1.09
06 46 36 00-0540 LF 2" x 3-1/2" Custom Shaped Red Oak	23.11	1.09
06 46 36 00-0541 LF 2" x 4-1/2" Custom Shaped Red Oak	28.14	1.18
06 46 36 00-0542 LF 2" x 5-1/2" Custom Shaped Red Oak	33.08	1.18
06 46 36 00-0543 LF 2" x 6-1/2" Custom Shaped Red Oak	38.21	1.27
06 46 36 00-0544 LF 2" x 7-1/2" Custom Shaped Red Oak	43.13	1.27
06 46 36 00-0545 LF 2" x 8-1/2" Custom Shaped Red Oak	48.18	1.36
06 46 36 00-0546 LF 2" x 9-1/2" Custom Shaped Red Oak	53.12	1.36
06 46 36 00-0547 LF 2" x 10-1/2" Custom Shaped Red Oak	58.07	1.45
06 46 36 00-0548 LF 2" x 11-1/2" Custom Shaped Red Oak	63.19	1.54
06 46 36 00-0549 White Oak <small>(06 46 36)</small>		
06 46 36 00-0550 LF 3/4" x 1-1/2" Custom Shaped White Oak	5.05	1.00
06 46 36 00-0551 LF 3/4" x 2-1/2" Custom Shaped White Oak	6.08	1.00
06 46 36 00-0552 LF 3/4" x 3-1/2" Custom Shaped White Oak	7.13	1.00
06 46 36 00-0553 LF 3/4" x 4-1/2" Custom Shaped White Oak	8.16	1.09
06 46 36 00-0554 LF 3/4" x 5-1/2" Custom Shaped White Oak	9.30	1.09
06 46 36 00-0555 LF 3/4" x 6-1/2" Custom Shaped White Oak	10.43	1.18
06 46 36 00-0556 LF 3/4" x 7-1/2" Custom Shaped White Oak	11.45	1.18
06 46 36 00-0557 LF 3/4" x 8-1/2" Custom Shaped White Oak	12.51	1.18
06 46 36 00-0558 LF 3/4" x 9-1/2" Custom Shaped White Oak	13.50	1.27
06 46 36 00-0559 LF 3/4" x 10-1/2" Custom Shaped White Oak	14.66	1.36



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 46 36 00-0560	LF			3/4" x 11-1/2" Custom Shaped White Oak.....	15.73	1.36
06 46 36 00-0561	LF			1" x 1-1/2" Custom Shaped White Oak.....	5.79	1.00
06 46 36 00-0562	LF			1" x 2-1/2" Custom Shaped White Oak.....	7.15	1.00
06 46 36 00-0563	LF			1" x 3-1/2" Custom Shaped White Oak.....	8.51	1.09
06 46 36 00-0564	LF			1" x 4-1/2" Custom Shaped White Oak.....	10.36	1.09
06 46 36 00-0565	LF			1" x 5-1/2" Custom Shaped White Oak.....	11.33	1.18
06 46 36 00-0566	LF			1" x 6-1/2" Custom Shaped White Oak.....	12.79	1.18
06 46 36 00-0567	LF			1" x 7-1/2" Custom Shaped White Oak.....	14.13	1.18
06 46 36 00-0568	LF			1" x 8-1/2" Custom Shaped White Oak.....	15.51	1.27
06 46 36 00-0569	LF			1" x 9-1/2" Custom Shaped White Oak.....	16.83	1.27
06 46 36 00-0570	LF			1" x 10-1/2" Custom Shaped White Oak.....	18.32	1.36
06 46 36 00-0571	LF			1" x 11-1/2" Custom Shaped White Oak.....	19.71	1.36
06 46 36 00-0572	LF			1-1/4" x 1-1/2" Custom Shaped White Oak.....	6.95	1.00
06 46 36 00-0573	LF			1-1/4" x 2-1/2" Custom Shaped White Oak.....	8.86	1.00
06 46 36 00-0574	LF			1-1/4" x 3-1/2" Custom Shaped White Oak.....	10.76	1.09
06 46 36 00-0575	LF			1-1/4" x 4-1/2" Custom Shaped White Oak.....	12.65	1.09
06 46 36 00-0576	LF			1-1/4" x 5-1/2" Custom Shaped White Oak.....	14.65	1.18
06 46 36 00-0577	LF			1-1/4" x 6-1/2" Custom Shaped White Oak.....	16.65	1.18
06 46 36 00-0578	LF			1-1/4" x 7-1/2" Custom Shaped White Oak.....	18.53	1.27
06 46 36 00-0579	LF			1-1/4" x 8-1/2" Custom Shaped White Oak.....	20.46	1.27
06 46 36 00-0580	LF			1-1/4" x 9-1/2" Custom Shaped White Oak.....	22.31	1.27
06 46 36 00-0581	LF			1-1/4" x 10-1/2" Custom Shaped White Oak.....	24.33	1.36
06 46 36 00-0582	LF			1-1/4" x 11-1/2" Custom Shaped White Oak.....	26.27	1.45
06 46 36 00-0583	LF			1-1/2" x 1-1/2" Custom Shaped White Oak.....	10.54	1.00
06 46 36 00-0584	LF			1-1/2" x 2-1/2" Custom Shaped White Oak.....	14.20	1.09
06 46 36 00-0585	LF			1-1/2" x 3-1/2" Custom Shaped White Oak.....	17.84	1.09
06 46 36 00-0586	LF			1-1/2" x 4-1/2" Custom Shaped White Oak.....	21.49	1.18
06 46 36 00-0587	LF			1-1/2" x 5-1/2" Custom Shaped White Oak.....	25.14	1.18
06 46 36 00-0588	LF			1-1/2" x 6-1/2" Custom Shaped White Oak.....	28.98	1.27
06 46 36 00-0589	LF			1-1/2" x 7-1/2" Custom Shaped White Oak.....	32.61	1.27
06 46 36 00-0590	LF			1-1/2" x 8-1/2" Custom Shaped White Oak.....	36.29	1.36
06 46 36 00-0591	LF			1-1/2" x 9-1/2" Custom Shaped White Oak.....	39.40	1.36
06 46 36 00-0592	LF			1-1/2" x 10-1/2" Custom Shaped White Oak.....	43.66	1.45
06 46 36 00-0593	LF			1-1/2" x 11-1/2" Custom Shaped White Oak.....	47.34	1.45
06 46 36 00-0594				White Pine <small>(06 46 36)</small>		
06 46 36 00-0595	LF			3/4" x 1-1/2" Custom Shaped White Pine.....	5.48	1.00
06 46 36 00-0596	LF			3/4" x 2-1/2" Custom Shaped White Pine.....	6.73	1.00
06 46 36 00-0597	LF			3/4" x 3-1/2" Custom Shaped White Pine.....	7.99	1.00
06 46 36 00-0598	LF			3/4" x 4-1/2" Custom Shaped White Pine.....	9.24	1.09
06 46 36 00-0599	LF			3/4" x 5-1/2" Custom Shaped White Pine.....	10.59	1.09
06 46 36 00-0600	LF			3/4" x 6-1/2" Custom Shaped White Pine.....	11.94	1.18
06 46 36 00-0601	LF			3/4" x 7-1/2" Custom Shaped White Pine.....	13.18	1.18
06 46 36 00-0602	LF			3/4" x 8-1/2" Custom Shaped White Pine.....	14.45	1.18
06 46 36 00-0603	LF			3/4" x 9-1/2" Custom Shaped White Pine.....	16.38	1.27
06 46 36 00-0604	LF			3/4" x 10-1/2" Custom Shaped White Pine.....	17.82	1.36
06 46 36 00-0605	LF			1" x 1-1/2" Custom Shaped White Pine.....	6.02	1.00
06 46 36 00-0606	LF			1" x 2-1/2" Custom Shaped White Pine.....	7.51	1.00
06 46 36 00-0607	LF			1" x 3-1/2" Custom Shaped White Pine.....	8.99	1.09
06 46 36 00-0608	LF			1" x 4-1/2" Custom Shaped White Pine.....	10.48	1.09
06 46 36 00-0609	LF			1" x 5-1/2" Custom Shaped White Pine.....	12.04	1.18
06 46 36 00-0610	LF			1" x 6-1/2" Custom Shaped White Pine.....	13.63	1.18
06 46 36 00-0611	LF			1" x 7-1/2" Custom Shaped White Pine.....	15.09	1.18
06 46 36 00-0612	LF			1" x 8-1/2" Custom Shaped White Pine.....	16.61	1.27
06 46 36 00-0613	LF			1" x 9-1/2" Custom Shaped White Pine.....	18.02	1.27
06 46 36 00-0614	LF			1" x 10-1/2" Custom Shaped White Pine.....	19.63	1.36
06 46 36 00-0615	LF			1" x 11-1/2" Custom Shaped White Pine.....	21.15	1.36
06 46 36 00-0616	LF			1-1/4" x 1-1/2" Custom Shaped White Pine.....	6.67	1.00
06 46 36 00-0617	LF			1-1/4" x 2-1/2" Custom Shaped White Pine.....	8.43	1.00
06 46 36 00-0618	LF			1-1/4" x 3-1/2" Custom Shaped White Pine.....	10.23	1.09
06 46 36 00-0619	LF			1-1/4" x 4-1/2" Custom Shaped White Pine.....	11.93	1.09
06 46 36 00-0620	LF			1-1/4" x 5-1/2" Custom Shaped White Pine.....	13.79	1.18
06 46 36 00-0621	LF			1-1/4" x 6-1/2" Custom Shaped White Pine.....	15.64	1.18
06 46 36 00-0622	LF			1-1/4" x 7-1/2" Custom Shaped White Pine.....	17.38	1.27
06 46 36 00-0623	LF			1-1/4" x 8-1/2" Custom Shaped White Pine.....	19.17	1.27
06 46 36 00-0624	LF			1-1/4" x 9-1/2" Custom Shaped White Pine.....	20.87	1.27
06 46 36 00-0625	LF			1-1/4" x 10-1/2" Custom Shaped White Pine.....	22.75	1.36
06 46 36 00-0626	LF			1-1/4" x 11-1/2" Custom Shaped White Pine.....	24.54	1.45
06 46 36 00-0627	LF			1-1/2" x 1-1/2" Custom Shaped White Pine.....	8.05	1.00
06 46 36 00-0628	LF			1-1/2" x 2-1/2" Custom Shaped White Pine.....	10.46	1.09
06 46 36 00-0629	LF			1-1/2" x 3-1/2" Custom Shaped White Pine.....	12.86	1.09
06 46 36 00-0630	LF			1-1/2" x 4-1/2" Custom Shaped White Pine.....	15.26	1.18
06 46 36 00-0631	LF			1-1/2" x 5-1/2" Custom Shaped White Pine.....	17.67	1.18
06 46 36 00-0632	LF			1-1/2" x 6-1/2" Custom Shaped White Pine.....	20.26	1.27
06 46 36 00-0633	LF			1-1/2" x 7-1/2" Custom Shaped White Pine.....	22.65	1.27
06 46 36 00-0634	LF			1-1/2" x 8-1/2" Custom Shaped White Pine.....	25.08	1.36
06 46 36 00-0635	LF			1-1/2" x 9-1/2" Custom Shaped White Pine.....	27.90	1.36
06 46 36 00-0636	LF			1-1/2" x 10-1/2" Custom Shaped White Pine.....	29.96	1.45
06 46 36 00-0637	LF			1-1/2" x 11-1/2" Custom Shaped White Pine.....	32.39	1.45
06 46 36 00-0638	LF			2" x 1-1/2" Custom Shaped White Pine.....	11.67	1.09

06 Wood, Plastics, and Composites**06 40 Architectural Woodwork****06 46 Wood Trim**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

06 46 36 00-0639	LF	2" x 2-1/2" Custom Shaped White Pine	15.84	1.09
06 46 36 00-0640	LF	2" x 3-1/2" Custom Shaped White Pine	20.00	1.09
06 46 36 00-0641	LF	2" x 4-1/2" Custom Shaped White Pine	24.24	1.18
06 46 36 00-0642	LF	2" x 5-1/2" Custom Shaped White Pine	28.41	1.18
06 46 36 00-0643	LF	2" x 6-1/2" Custom Shaped White Pine	32.74	1.27
06 46 36 00-0644	LF	2" x 7-1/2" Custom Shaped White Pine	36.91	1.27
06 46 36 00-0645	LF	2" x 8-1/2" Custom Shaped White Pine	41.16	1.36
06 46 36 00-0646	LF	2" x 9-1/2" Custom Shaped White Pine	45.33	1.36
06 46 36 00-0647	LF	2" x 10-1/2" Custom Shaped White Pine	49.49	1.45
06 46 36 00-0648	LF	2" x 11-1/2" Custom Shaped White Pine	53.85	1.54
06 46 36 00-0649	LF	2-1/2" x 1-1/2" Custom Shaped White Pine	13.68	1.09
06 46 36 00-0650	LF	2-1/2" x 2-1/2" Custom Shaped White Pine	18.80	1.09
06 46 36 00-0651	LF	2-1/2" x 3-1/2" Custom Shaped White Pine	23.92	1.18
06 46 36 00-0652	LF	2-1/2" x 4-1/2" Custom Shaped White Pine	29.12	1.18
06 46 36 00-0653	LF	2-1/2" x 5-1/2" Custom Shaped White Pine	34.25	1.18
06 46 36 00-0654	LF	2-1/2" x 6-1/2" Custom Shaped White Pine	39.54	1.27
06 46 36 00-0655	LF	2-1/2" x 7-1/2" Custom Shaped White Pine	44.66	1.36
06 46 36 00-0656	LF	2-1/2" x 8-1/2" Custom Shaped White Pine	49.88	1.36
06 46 36 00-0657	LF	2-1/2" x 9-1/2" Custom Shaped White Pine	55.00	1.45
06 46 36 00-0658	LF	2-1/2" x 10-1/2" Custom Shaped White Pine	60.12	1.45
06 46 36 00-0659	LF	2-1/2" x 11-1/2" Custom Shaped White Pine	65.43	1.54
06 46 36 00-0660	LF	3-1/2" x 3-1/2" Custom Shaped White Pine	32.63	1.18
06 46 36 00-0661	LF	3-1/2" x 4-1/2" Custom Shaped White Pine	39.99	1.18
06 46 36 00-0662	LF	3-1/2" x 5-1/2" Custom Shaped White Pine	47.28	1.27
06 46 36 00-0663	LF	3-1/2" x 6-1/2" Custom Shaped White Pine	54.72	1.36
06 46 36 00-0664	LF	3-1/2" x 7-1/2" Custom Shaped White Pine	62.00	1.36
06 46 36 00-0665	LF	3-1/2" x 8-1/2" Custom Shaped White Pine	69.37	1.45
06 46 36 00-0666	LF	3-1/2" x 9-1/2" Custom Shaped White Pine	76.65	1.45
06 46 36 00-0667	LF	3-1/2" x 10-1/2" Custom Shaped White Pine	83.93	1.45
06 46 36 00-0668	LF	3-1/2" x 11-1/2" Custom Shaped White Pine	91.39	1.54

06 46 36 00-0669 Clear Yellow Pine (06 46 36)

06 46 36 00-0670	LF	3/4" x 1-1/2" Custom Shaped "C" Y Pine	4.14	1.00
06 46 36 00-0671	LF	3/4" x 2-1/2" Custom Shaped "C" Y Pine	4.72	1.00
06 46 36 00-0672	LF	3/4" x 3-1/2" Custom Shaped "C" Y Pine	5.31	1.00
06 46 36 00-0673	LF	3/4" x 4-1/2" Custom Shaped "C" Y Pine	5.89	1.09
06 46 36 00-0674	LF	3/4" x 5-1/2" Custom Shaped "C" Y Pine	6.56	1.09
06 46 36 00-0675	LF	3/4" x 6-1/2" Custom Shaped "C" Y Pine	7.24	1.18
06 46 36 00-0676	LF	3/4" x 7-1/2" Custom Shaped "C" Y Pine	7.81	1.18
06 46 36 00-0677	LF	3/4" x 8-1/2" Custom Shaped "C" Y Pine	8.41	1.18
06 46 36 00-0678	LF	1" x 1-1/2" Custom Shaped "C" Y Pine	4.59	1.00
06 46 36 00-0679	LF	1" x 2-1/2" Custom Shaped "C" Y Pine	5.36	1.00
06 46 36 00-0680	LF	1" x 3-1/2" Custom Shaped "C" Y Pine	6.11	1.09
06 46 36 00-0681	LF	1" x 4-1/2" Custom Shaped "C" Y Pine	6.89	1.09
06 46 36 00-0682	LF	1" x 5-1/2" Custom Shaped "C" Y Pine	7.73	1.18
06 46 36 00-0683	LF	1" x 6-1/2" Custom Shaped "C" Y Pine	8.60	1.18
06 46 36 00-0684	LF	1" x 7-1/2" Custom Shaped "C" Y Pine	9.58	1.18
06 46 36 00-0685	LF	1" x 8-1/2" Custom Shaped "C" Y Pine	10.40	1.27
06 46 36 00-0686	LF	1-1/2" x 1-1/2" Custom Shaped "C" Y Pine	5.17	1.00
06 46 36 00-0687	LF	1-1/2" x 2-1/2" Custom Shaped "C" Y Pine	6.15	1.09
06 46 36 00-0688	LF	1-1/2" x 3-1/2" Custom Shaped "C" Y Pine	7.11	1.09
06 46 36 00-0689	LF	1-1/2" x 4-1/2" Custom Shaped "C" Y Pine	8.07	1.18
06 46 36 00-0690	LF	1-1/2" x 5-1/2" Custom Shaped "C" Y Pine	9.04	1.18
06 46 36 00-0691	LF	1-1/2" x 6-1/2" Custom Shaped "C" Y Pine	10.20	1.27
06 46 36 00-0692	LF	1-1/2" x 7-1/2" Custom Shaped "C" Y Pine	11.15	1.27
06 46 36 00-0693	LF	1-1/2" x 8-1/2" Custom Shaped "C" Y Pine	12.14	1.36
06 46 36 00-0694	LF	1-1/2" x 9-1/2" Custom Shaped "C" Y Pine	13.77	1.36
06 46 36 00-0695	LF	1-1/2" x 10-1/2" Custom Shaped "C" Y Pine	14.24	1.45

06 46 36 00-0696 Poplar (06 46 36)

06 46 36 00-0697	LF	3/4" x 1-1/2" Custom Shaped Poplar	4.28	1.00
06 46 36 00-0698	LF	3/4" x 2-1/2" Custom Shaped Poplar	4.93	1.00
06 46 36 00-0699	LF	3/4" x 3-1/2" Custom Shaped Poplar	5.59	1.00
06 46 36 00-0700	LF	3/4" x 4-1/2" Custom Shaped Poplar	6.24	1.09
06 46 36 00-0701	LF	3/4" x 5-1/2" Custom Shaped Poplar	7.00	1.09
06 46 36 00-0702	LF	3/4" x 6-1/2" Custom Shaped Poplar	7.75	1.18
06 46 36 00-0703	LF	3/4" x 7-1/2" Custom Shaped Poplar	8.39	1.18
06 46 36 00-0704	LF	3/4" x 8-1/2" Custom Shaped Poplar	9.06	1.18
06 46 36 00-0705	LF	3/4" x 9-1/2" Custom Shaped Poplar	9.67	1.27
06 46 36 00-0706	LF	3/4" x 10-1/2" Custom Shaped Poplar	10.44	1.36
06 46 36 00-0707	LF	3/4" x 11-1/2" Custom Shaped Poplar	11.18	1.36
06 46 36 00-0708	LF	1" x 1-1/2" Custom Shaped Poplar	4.78	1.00
06 46 36 00-0709	LF	1" x 2-1/2" Custom Shaped Poplar	5.62	1.00
06 46 36 00-0710	LF	1" x 3-1/2" Custom Shaped Poplar	6.47	1.09
06 46 36 00-0711	LF	1" x 4-1/2" Custom Shaped Poplar	7.32	1.09
06 46 36 00-0712	LF	1" x 5-1/2" Custom Shaped Poplar	8.28	1.18
06 46 36 00-0713	LF	1" x 6-1/2" Custom Shaped Poplar	9.23	1.18
06 46 36 00-0714	LF	1" x 7-1/2" Custom Shaped Poplar	10.06	1.18
06 46 36 00-0715	LF	1" x 8-1/2" Custom Shaped Poplar	10.93	1.27



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 46 36 00-0716	LF			1" x 9-1/2" Custom Shaped Poplar	11.75	1.27
06 46 36 00-0717	LF			1" x 10-1/2" Custom Shaped Poplar	12.71	1.36
06 46 36 00-0718	LF			1" x 11-1/2" Custom Shaped Poplar	13.60	1.36
06 46 36 00-0719	LF			1-1/4" x 1-1/2" Custom Shaped Poplar	5.23	1.00
06 46 36 00-0720	LF			1-1/4" x 2-1/2" Custom Shaped Poplar	6.27	1.00
06 46 36 00-0721	LF			1-1/4" x 3-1/2" Custom Shaped Poplar	7.31	1.09
06 46 36 00-0722	LF			1-1/4" x 4-1/2" Custom Shaped Poplar	8.34	1.09
06 46 36 00-0723	LF			1-1/4" x 5-1/2" Custom Shaped Poplar	9.48	1.18
06 46 36 00-0724	LF			1-1/4" x 6-1/2" Custom Shaped Poplar	10.61	1.18
06 46 36 00-0725	LF			1-1/4" x 7-1/2" Custom Shaped Poplar	11.63	1.27
06 46 36 00-0726	LF			1-1/4" x 8-1/2" Custom Shaped Poplar	12.70	1.27
06 46 36 00-0727	LF			1-1/4" x 9-1/2" Custom Shaped Poplar	13.68	1.27
06 46 36 00-0728	LF			1-1/4" x 10-1/2" Custom Shaped Poplar	14.85	1.36
06 46 36 00-0729	LF			1-1/4" x 11-1/2" Custom Shaped Poplar	15.92	1.45
06 46 36 00-0730	LF			1-1/2" x 1-1/2" Custom Shaped Poplar	6.23	1.00
06 46 36 00-0731	LF			1-1/2" x 2-1/2" Custom Shaped Poplar	7.73	1.09
06 46 36 00-0732	LF			1-1/2" x 3-1/2" Custom Shaped Poplar	9.22	1.09
06 46 36 00-0733	LF			1-1/2" x 4-1/2" Custom Shaped Poplar	10.71	1.18
06 46 36 00-0734	LF			1-1/2" x 5-1/2" Custom Shaped Poplar	12.21	1.18
06 46 36 00-0735	LF			1-1/2" x 6-1/2" Custom Shaped Poplar	13.89	1.27
06 46 36 00-0736	LF			1-1/2" x 7-1/2" Custom Shaped Poplar	15.36	1.27
06 46 36 00-0737	LF			1-1/2" x 8-1/2" Custom Shaped Poplar	16.88	1.36
06 46 36 00-0738	LF			1-1/2" x 9-1/2" Custom Shaped Poplar	18.32	1.36
06 46 36 00-0739	LF			1-1/2" x 10-1/2" Custom Shaped Poplar	19.94	1.45
06 46 36 00-0740	LF			1-1/2" x 11-1/2" Custom Shaped Poplar	21.47	1.45
06 46 36 00-0741	LF			2" x 1-1/2" Custom Shaped Poplar	7.72	1.09
06 46 36 00-0742	LF			2" x 2-1/2" Custom Shaped Poplar	9.92	1.09
06 46 36 00-0743	LF			2" x 3-1/2" Custom Shaped Poplar	12.09	1.09
06 46 36 00-0744	LF			2" x 4-1/2" Custom Shaped Poplar	14.37	1.18
06 46 36 00-0745	LF			2" x 5-1/2" Custom Shaped Poplar	16.56	1.18
06 46 36 00-0746	LF			2" x 6-1/2" Custom Shaped Poplar	18.92	1.27
06 46 36 00-0747	LF			2" x 7-1/2" Custom Shaped Poplar	21.10	1.27
06 46 36 00-0748	LF			2" x 8-1/2" Custom Shaped Poplar	23.39	1.36
06 46 36 00-0749	LF			2" x 9-1/2" Custom Shaped Poplar	25.57	1.36
06 46 36 00-0750	LF			2" x 10-1/2" Custom Shaped Poplar	27.77	1.45
06 46 36 00-0751	LF			2" x 11-1/2" Custom Shaped Poplar	30.13	1.54
06 46 36 00-0752	LF			2-1/2" x 1-1/2" Custom Shaped Poplar	9.23	1.09
06 46 36 00-0753	LF			2-1/2" x 2-1/2" Custom Shaped Poplar	12.12	1.09
06 46 36 00-0754	LF			2-1/2" x 3-1/2" Custom Shaped Poplar	15.01	1.18
06 46 36 00-0755	LF			2-1/2" x 4-1/2" Custom Shaped Poplar	17.98	1.18
06 46 36 00-0756	LF			2-1/2" x 5-1/2" Custom Shaped Poplar	20.89	1.18
06 46 36 00-0757	LF			2-1/2" x 6-1/2" Custom Shaped Poplar	23.95	1.27
06 46 36 00-0758	LF			2-1/2" x 7-1/2" Custom Shaped Poplar	26.84	1.36
06 46 36 00-0759	LF			2-1/2" x 8-1/2" Custom Shaped Poplar	29.83	1.36
06 46 36 00-0760	LF			2-1/2" x 9-1/2" Custom Shaped Poplar	32.73	1.45
06 46 36 00-0761	LF			2-1/2" x 10-1/2" Custom Shaped Poplar	35.62	1.45
06 46 36 00-0762	LF			2-1/2" x 11-1/2" Custom Shaped Poplar	38.70	1.54
06 46 36 00-0763	LF			3-1/2" x 3-1/2" Custom Shaped Poplar	19.99	1.18
06 46 36 00-0764	LF			3-1/2" x 4-1/2" Custom Shaped Poplar	24.18	1.18
06 46 36 00-0765	LF			3-1/2" x 5-1/2" Custom Shaped Poplar	28.31	1.27
06 46 36 00-0766	LF			3-1/2" x 6-1/2" Custom Shaped Poplar	32.64	1.36
06 46 36 00-0767	LF			3-1/2" x 7-1/2" Custom Shaped Poplar	36.70	1.36
06 46 36 00-0768	LF			3-1/2" x 8-1/2" Custom Shaped Poplar	40.92	1.45
06 46 36 00-0769	LF			3-1/2" x 9-1/2" Custom Shaped Poplar	45.03	1.45
06 46 36 00-0770	LF			3-1/2" x 10-1/2" Custom Shaped Poplar	49.15	1.45
06 46 36 00-0771	LF			3-1/2" x 11-1/2" Custom Shaped Poplar	53.45	1.54
06 46 36 00-0772 Clear Heart Redwood <small>(06 46 36)</small>						
06 46 36 00-0773	LF			3/4" x 1-1/2" Custom Shaped Clear Heart Redwood	4.95	1.00
06 46 36 00-0774	LF			3/4" x 2-1/2" Custom Shaped Clear Heart Redwood	5.94	1.00
06 46 36 00-0775	LF			3/4" x 3-1/2" Custom Shaped Clear Heart Redwood	6.94	1.00
06 46 36 00-0776	LF			3/4" x 4-1/2" Custom Shaped Clear Heart Redwood	7.92	1.09
06 46 36 00-0777	LF			3/4" x 5-1/2" Custom Shaped Clear Heart Redwood	9.01	1.09
06 46 36 00-0778	LF			3/4" x 6-1/2" Custom Shaped Clear Heart Redwood	10.09	1.18
06 46 36 00-0779	LF			3/4" x 7-1/2" Custom Shaped Clear Heart Redwood	12.03	1.18
06 46 36 00-0780	LF			3/4" x 8-1/2" Custom Shaped Clear Heart Redwood	13.15	1.18
06 46 36 00-0781	LF			3/4" x 9-1/2" Custom Shaped Clear Heart Redwood	13.24	1.27
06 46 36 00-0782	LF			3/4" x 10-1/2" Custom Shaped Clear Heart Redwood	14.13	1.36
06 46 36 00-0783	LF			1" x 1-1/2" Custom Shaped Clear Heart Redwood	5.74	1.00
06 46 36 00-0784	LF			1" x 2-1/2" Custom Shaped Clear Heart Redwood	7.06	1.00
06 46 36 00-0785	LF			1" x 3-1/2" Custom Shaped Clear Heart Redwood	8.39	1.09
06 46 36 00-0786	LF			1" x 4-1/2" Custom Shaped Clear Heart Redwood	9.71	1.09
06 46 36 00-0787	LF			1" x 5-1/2" Custom Shaped Clear Heart Redwood	11.16	1.18
06 46 36 00-0788	LF			1" x 6-1/2" Custom Shaped Clear Heart Redwood	12.58	1.18
06 46 36 00-0789	LF			1" x 7-1/2" Custom Shaped Clear Heart Redwood	15.57	1.18
06 46 36 00-0790	LF			1" x 8-1/2" Custom Shaped Clear Heart Redwood	17.13	1.27
06 46 36 00-0791	LF			1" x 9-1/2" Custom Shaped Clear Heart Redwood	18.62	1.27
06 46 36 00-0792	LF			1" x 10-1/2" Custom Shaped Clear Heart Redwood	20.28	1.36
06 46 36 00-0793	LF			1-1/2" x 1-1/2" Custom Shaped Clear Heart Redwood	7.19	1.00
06 46 36 00-0794	LF			1-1/2" x 2-1/2" Custom Shaped Clear Heart Redwood	9.17	1.09

06 Wood, Plastics, and Composites**06 40 Architectural Woodwork****06 46 Wood Trim**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 46 36 00-0795 LF 1-1/2" x 3-1/2" Custom Shaped Clear Heart Redwood	11.13	1.09
06 46 36 00-0796 LF 1-1/2" x 4-1/2" Custom Shaped Clear Heart Redwood	13.10	1.18
06 46 36 00-0797 LF 1-1/2" x 5-1/2" Custom Shaped Clear Heart Redwood	15.08	1.18
06 46 36 00-0798 LF 1-1/2" x 6-1/2" Custom Shaped Clear Heart Redwood	17.29	1.27
06 46 36 00-0799 LF 1-1/2" x 7-1/2" Custom Shaped Clear Heart Redwood	22.65	1.27
06 46 36 00-0800 LF 1-1/2" x 8-1/2" Custom Shaped Clear Heart Redwood	25.08	1.36
06 46 36 00-0801 LF 1-1/2" x 9-1/2" Custom Shaped Clear Heart Redwood	29.34	1.36
06 46 36 00-0802 LF 1-1/2" x 10-1/2" Custom Shaped Clear Heart Redwood	32.06	1.45
06 46 36 00-0803 LF 3-1/2" x 3-1/2" Custom Shaped Clear Heart Redwood	30.72	1.18
06 46 36 00-0804 LF 3-1/2" x 4-1/2" Custom Shaped Clear Heart Redwood	37.60	1.18
06 46 36 00-0805 LF 3-1/2" x 5-1/2" Custom Shaped Clear Heart Redwood	44.40	1.27
06 46 36 00-0806 LF 3-1/2" x 6-1/2" Custom Shaped Clear Heart Redwood	51.37	1.36
06 46 36 00-0807 LF 3-1/2" x 7-1/2" Custom Shaped Clear Heart Redwood	58.17	1.36
06 46 36 00-0808 LF 3-1/2" x 8-1/2" Custom Shaped Clear Heart Redwood	65.06	1.45
06 46 36 00-0809 LF 3-1/2" x 9-1/2" Custom Shaped Clear Heart Redwood	71.86	1.45
06 46 36 00-0810 LF 3-1/2" x 10-1/2" Custom Shaped Clear Heart Redwood	78.66	1.45
06 46 36 00-0811 LF 3-1/2" x 11-1/2" Custom Shaped Clear Heart Redwood	85.64	1.54
06 46 36 00-0812 Teak^(06 46 36)		
06 46 36 00-0813 LF 3/4" x 1-1/2" Custom Shaped Teak	11.37	1.00
06 46 36 00-0814 LF 3/4" x 2-1/2" Custom Shaped Teak	15.57	1.00
06 46 36 00-0815 LF 3/4" x 3-1/2" Custom Shaped Teak	19.77	1.00
06 46 36 00-0816 LF 3/4" x 4-1/2" Custom Shaped Teak	23.97	1.09
06 46 36 00-0817 LF 3/4" x 5-1/2" Custom Shaped Teak	28.27	1.09
06 46 36 00-0818 LF 3/4" x 6-1/2" Custom Shaped Teak	32.56	1.18
06 46 36 00-0819 LF 3/4" x 7-1/2" Custom Shaped Teak	36.75	1.18
06 46 36 00-0820 LF 3/4" x 8-1/2" Custom Shaped Teak	40.96	1.18
06 46 36 00-0821 LF 3/4" x 9-1/2" Custom Shaped Teak	45.12	1.27
06 46 36 00-0822 LF 3/4" x 10-1/2" Custom Shaped Teak	49.44	1.36
06 46 36 00-0823 LF 3/4" x 11-1/2" Custom Shaped Teak	53.67	1.36
06 46 36 00-0824 LF 1-1/2" x 1-1/2" Custom Shaped Teak	24.63	1.00
06 46 36 00-0825 LF 1-1/2" x 2-1/2" Custom Shaped Teak	28.14	1.09
06 46 36 00-0826 LF 1-1/2" x 3-1/2" Custom Shaped Teak	36.43	1.09
06 46 36 00-0827 LF 1-1/2" x 4-1/2" Custom Shaped Teak	44.72	1.18
06 46 36 00-0828 LF 1-1/2" x 5-1/2" Custom Shaped Teak	53.02	1.18
06 46 36 00-0829 LF 1-1/2" x 6-1/2" Custom Shaped Teak	61.27	1.27
06 46 36 00-0830 LF 1-1/2" x 7-1/2" Custom Shaped Teak	69.79	1.27
06 46 36 00-0831 LF 1-1/2" x 8-1/2" Custom Shaped Teak	78.11	1.36
06 46 36 00-0832 LF 1-1/2" x 9-1/2" Custom Shaped Teak	86.35	1.36
06 46 36 00-0833 LF 1-1/2" x 10-1/2" Custom Shaped Teak	94.77	1.45
06 46 36 00-0834 LF 1-1/2" x 11-1/2" Custom Shaped Teak	103.11	1.45
06 46 36 00-0835 Walnut^(06 46 36)		
06 46 36 00-0836 LF 3/4" x 1-1/2" Custom Shaped Walnut	6.82	1.00
06 46 36 00-0837 LF 3/4" x 2-1/2" Custom Shaped Walnut	8.74	1.00
06 46 36 00-0838 LF 3/4" x 3-1/2" Custom Shaped Walnut	10.67	1.00
06 46 36 00-0839 LF 3/4" x 4-1/2" Custom Shaped Walnut	12.59	1.09
06 46 36 00-0840 LF 3/4" x 5-1/2" Custom Shaped Walnut	14.61	1.09
06 46 36 00-0841 LF 3/4" x 6-1/2" Custom Shaped Walnut	16.63	1.18
06 46 36 00-0842 LF 3/4" x 7-1/2" Custom Shaped Walnut	18.54	1.18
06 46 36 00-0843 LF 3/4" x 8-1/2" Custom Shaped Walnut	20.48	1.18
06 46 36 00-0844 LF 3/4" x 9-1/2" Custom Shaped Walnut	22.36	1.27
06 46 36 00-0845 LF 3/4" x 10-1/2" Custom Shaped Walnut	24.41	1.36
06 46 36 00-0846 LF 3/4" x 11-1/2" Custom Shaped Walnut	26.37	1.36
06 46 36 00-0847 LF 1" x 1-1/2" Custom Shaped Walnut	7.94	1.00
06 46 36 00-0848 LF 1" x 2-1/2" Custom Shaped Walnut	10.39	1.00
06 46 36 00-0849 LF 1" x 3-1/2" Custom Shaped Walnut	12.82	1.09
06 46 36 00-0850 LF 1" x 4-1/2" Custom Shaped Walnut	15.27	1.09
06 46 36 00-0851 LF 1" x 5-1/2" Custom Shaped Walnut	17.79	1.18
06 46 36 00-0852 LF 1" x 6-1/2" Custom Shaped Walnut	20.34	1.18
06 46 36 00-0853 LF 1" x 7-1/2" Custom Shaped Walnut	22.75	1.18
06 46 36 00-0854 LF 1" x 8-1/2" Custom Shaped Walnut	25.23	1.27
06 46 36 00-0855 LF 1" x 9-1/2" Custom Shaped Walnut	27.60	1.27
06 46 36 00-0856 LF 1" x 10-1/2" Custom Shaped Walnut	30.17	1.36
06 46 36 00-0857 LF 1" x 11-1/2" Custom Shaped Walnut	32.65	1.36
06 46 36 00-0858 LF 1-1/4" x 1-1/2" Custom Shaped Walnut	9.47	1.00
06 46 36 00-0859 LF 1-1/4" x 2-1/2" Custom Shaped Walnut	12.64	1.00
06 46 36 00-0860 LF 1-1/4" x 3-1/2" Custom Shaped Walnut	15.79	1.09
06 46 36 00-0861 LF 1-1/4" x 4-1/2" Custom Shaped Walnut	18.95	1.09
06 46 36 00-0862 LF 1-1/4" x 5-1/2" Custom Shaped Walnut	22.19	1.18
06 46 36 00-0863 LF 1-1/4" x 6-1/2" Custom Shaped Walnut	25.46	1.18
06 46 36 00-0864 LF 1-1/4" x 7-1/2" Custom Shaped Walnut	28.59	1.27
06 46 36 00-0865 LF 1-1/4" x 8-1/2" Custom Shaped Walnut	31.79	1.27
06 46 36 00-0866 LF 1-1/4" x 9-1/2" Custom Shaped Walnut	34.88	1.27
06 46 36 00-0867 LF 1-1/4" x 10-1/2" Custom Shaped Walnut	38.18	1.36
06 46 36 00-0868 LF 1-1/4" x 11-1/2" Custom Shaped Walnut	41.36	1.45
06 46 36 00-0869 LF 1-1/2" x 1-1/2" Custom Shaped Walnut	12.36	1.00
06 46 36 00-0870 LF 1-1/2" x 2-1/2" Custom Shaped Walnut	16.93	1.09
06 46 36 00-0871 LF 1-1/2" x 3-1/2" Custom Shaped Walnut	21.48	1.09



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 46 36 00-0872 LF 1-1/2" x 4-1/2" Custom Shaped Walnut	26.04	1.18
06 46 36 00-0873 LF 1-1/2" x 5-1/2" Custom Shaped Walnut	30.60	1.18
06 46 36 00-0874 LF 1-1/2" x 6-1/2" Custom Shaped Walnut	35.35	1.27
06 46 36 00-0875 LF 1-1/2" x 7-1/2" Custom Shaped Walnut	39.89	1.27
06 46 36 00-0876 LF 1-1/2" x 8-1/2" Custom Shaped Walnut	44.48	1.36
06 46 36 00-0877 LF 1-1/2" x 9-1/2" Custom Shaped Walnut	49.46	1.36
06 46 36 00-0878 LF 1-1/2" x 10-1/2" Custom Shaped Walnut	53.67	1.45
06 46 36 00-0879 LF 1-1/2" x 11-1/2" Custom Shaped Walnut	58.26	1.45
06 46 36 00-0880 LF 2" x 1-1/2" Custom Shaped Walnut	19.82	1.09
06 46 36 00-0881 LF 2" x 2-1/2" Custom Shaped Walnut	28.05	1.09
06 46 36 00-0882 LF 2" x 3-1/2" Custom Shaped Walnut	36.29	1.09
06 46 36 00-0883 LF 2" x 4-1/2" Custom Shaped Walnut	44.60	1.18
06 46 36 00-0884 LF 2" x 5-1/2" Custom Shaped Walnut	52.85	1.18
06 46 36 00-0885 LF 2" x 6-1/2" Custom Shaped Walnut	61.25	1.27
06 46 36 00-0886 LF 2" x 7-1/2" Custom Shaped Walnut	69.48	1.27
06 46 36 00-0887 LF 2" x 8-1/2" Custom Shaped Walnut	77.81	1.36
06 46 36 00-0888 LF 2" x 9-1/2" Custom Shaped Walnut	86.05	1.36
06 46 36 00-0889 LF 2" x 10-1/2" Custom Shaped Walnut	94.29	1.45
06 46 36 00-0890 LF 2" x 11-1/2" Custom Shaped Walnut	102.71	1.54
06 46 36 00-0891 LF 2-1/2" x 1-1/2" Custom Shaped Walnut	24.46	1.09
06 46 36 00-0892 LF 2-1/2" x 2-1/2" Custom Shaped Walnut	34.97	1.09
06 46 36 00-0893 LF 2-1/2" x 3-1/2" Custom Shaped Walnut	45.48	1.18
06 46 36 00-0894 LF 2-1/2" x 4-1/2" Custom Shaped Walnut	56.07	1.18
06 46 36 00-0895 LF 2-1/2" x 5-1/2" Custom Shaped Walnut	66.59	1.18
06 46 36 00-0896 LF 2-1/2" x 6-1/2" Custom Shaped Walnut	77.27	1.27
06 46 36 00-0897 LF 2-1/2" x 7-1/2" Custom Shaped Walnut	87.78	1.36
06 46 36 00-0898 LF 2-1/2" x 8-1/2" Custom Shaped Walnut	98.39	1.36
06 46 36 00-0899 LF 2-1/2" x 9-1/2" Custom Shaped Walnut	108.90	1.45
06 46 36 00-0900 LF 2-1/2" x 10-1/2" Custom Shaped Walnut	119.41	1.45
06 46 36 00-0901 LF 2-1/2" x 11-1/2" Custom Shaped Walnut	130.11	1.54

06 48 Wood Frames (06 40)

Note: All door frames include perimeter caulk, sealant (as required), anchors and silencers.

06 48 13 Exterior Wood Door Frames (06 48)

06 48 13 00-0001 Exterior Door Frames (06 48 13)

Note: 6'-8" and 7'-2" frames are the same price as 7' frames. Custom made with threshold, includes all trim molding, up to 8" depth.

06 48 13 00-0002 EA 3' x 7' Pine Exterior Door Frame Custom Made With Threshold And Trim	264.38	51.29
<i>For Birch, Add</i>	56.67	
<i>For Mahogany, Add</i>	137.62	
06 48 13 00-0003 EA 3'-6" x 7' Pine Exterior Door Frame Custom Made With Threshold And Trim	278.09	53.75
<i>For Birch, Add</i>	59.87	
<i>For Mahogany, Add</i>	145.41	
06 48 13 00-0004 EA 4' x 7' Pine Exterior Door Frame Custom Made With Threshold And Trim	291.79	55.84
<i>For Birch, Add</i>	63.07	
<i>For Mahogany, Add</i>	153.18	
06 48 13 00-0005 EA 5' x 7' Pine Exterior Door Frame Custom Made With Threshold And Trim	318.09	59.76
<i>For Birch, Add</i>	69.48	
<i>For Mahogany, Add</i>	168.73	
06 48 13 00-0006 EA 6' x 7' Pine Exterior Door Frame Custom Made With Threshold And Trim	344.91	64.05
<i>For Birch, Add</i>	75.88	
<i>For Mahogany, Add</i>	184.29	
06 48 13 00-0007 EA 3' x 7' Walnut Exterior Door Frame Custom Made With Threshold And Trim	400.33	51.47
06 48 13 00-0008 EA 3'-6" x 7' Walnut Exterior Door Frame Custom Made With Threshold And Trim	407.33	53.75
06 48 13 00-0009 EA 4' x 7' Walnut Exterior Door Frame Custom Made With Threshold And Trim	414.32	56.03
06 48 13 00-0010 EA 5' x 7' Walnut Exterior Door Frame Custom Made With Threshold And Trim	426.55	59.67
06 48 13 00-0011 EA 6' x 7' Walnut Exterior Door Frame Custom Made With Threshold And Trim	440.68	64.22
06 48 13 00-0012 EA 3' x 7' Oak Exterior Door Frame Custom Made With Threshold And Trim	311.26	51.47
06 48 13 00-0013 EA 3'-6" x 7' Oak Exterior Door Frame Custom Made With Threshold And Trim	326.30	53.75
06 48 13 00-0014 EA 4' x 7' Oak Exterior Door Frame Custom Made With Threshold And Trim	341.44	56.03
06 48 13 00-0015 EA 5' x 7' Oak Exterior Door Frame Custom Made With Threshold And Trim	369.73	59.67
06 48 13 00-0016 EA 6' x 7' Oak Exterior Door Frame Custom Made With Threshold And Trim	399.85	64.22

06 48 16 Interior Wood Door Frames (06 48)

06 48 16 00-0001 Interior Door Frames (06 48 16)

Note: 6'-8" and 7'-2" frames are the same price as 7' frames. Custom made, includes all trim molding.

06 48 16 00-0002 EA 2'-0" Or 2'-4" x 7' Pine Interior Door Frame Custom Made With Threshold And Trim	132.60	24.41
<i>For Oak Or Maple, Add</i>	25.98	
<i>For Birch, Add</i>	29.33	
<i>For Mahogany, Add</i>	71.23	
<i>For Walnut Frame, Add</i>	37.71	
06 48 16 00-0003 EA 2'-6" x 7' Pine Interior Door Frame Custom Made With Threshold And Trim	133.53	24.51
<i>For Oak Or Maple, Add</i>	26.20	
<i>For Birch, Add</i>	29.58	
<i>For Mahogany, Add</i>	71.83	
<i>For Walnut Frame, Add</i>	38.03	

06 Wood, Plastics, and Composites**06 40 Architectural Woodwork****06 48 Wood Frames**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 48 16 00-0004	EA		2'-8" x 7' Pine Interior Door Frame Custom Made With Threshold And Trim	135.13	24.96
			<i>For Oak Or Maple, Add</i>	26.39	
			<i>For Birch, Add</i>	29.80	
			<i>For Mahogany, Add</i>	72.37	
			<i>For Walnut Frame, Add</i>	38.31	
06 48 16 00-0005	EA		3' x 7' Pine Interior Door Frame Custom Made With Threshold And Trim.....	137.22	25.60
			<i>For Oak Or Maple, Add</i>	26.65	
			<i>For Birch, Add</i>	30.09	
			<i>For Mahogany, Add</i>	73.08	
			<i>For Walnut Frame, Add</i>	38.69	
06 48 16 00-0006	EA		3'-4" x 7' Pine Interior Door Frame Custom Made With Threshold And Trim.....	140.36	26.24
			<i>For Oak Or Maple, Add</i>	27.22	
			<i>For Birch, Add</i>	30.73	
			<i>For Mahogany, Add</i>	74.63	
			<i>For Walnut Frame, Add</i>	39.51	
06 48 16 00-0007	EA		4' x 7' Pine Interior Door Frame Custom Made With Threshold And Trim.....	148.23	27.87
			<i>For Oak Or Maple, Add</i>	28.66	
			<i>For Birch, Add</i>	32.35	
			<i>For Mahogany, Add</i>	78.57	
			<i>For Walnut Frame, Add</i>	41.60	
06 48 16 00-0008	EA		5' x 7' Pine Interior Door Frame Custom Made With Threshold And Trim.....	157.46	30.15
			<i>For Oak Or Maple, Add</i>	30.10	
			<i>For Birch, Add</i>	33.99	
			<i>For Mahogany, Add</i>	82.54	
			<i>For Walnut Frame, Add</i>	43.70	
06 48 16 00-0009	EA		6' x 7' Pine Interior Door Frame Custom Made With Threshold And Trim.....	165.80	32.07
			<i>For Oak Or Maple, Add</i>	31.54	
			<i>For Birch, Add</i>	35.61	
			<i>For Mahogany, Add</i>	86.48	
			<i>For Walnut Frame, Add</i>	45.78	
06 48 16 00-0010	LF		4-9/16", Pine Interior Door Frame	5.91	2.19
			<i>For Oak Or Maple, Add</i>	0.48	
			<i>For Birch, Add</i>	0.54	
			<i>For Mahogany, Add</i>	1.31	
			<i>For Walnut Frame, Add</i>	0.69	

06 49 Wood Screens and Exterior Wood Shutters (06 40)**06 49 19 Exterior Wood Shutters** (06 49)

See CSI section 10 71 13 13-0000 for exterior shutters.

06 50 Structural Plastics (06)**06 51 Structural Plastic Shapes And Plates** (06 50)**06 51 13 Plastic Lumber** (06 51)

Note: Available in gray, redwood, black. Plastic lumber can be cut with saw for desired length or shape, drilled, screwed, nailed or stapled.

06 51 13 00-0001 Beams And Girders, Recycled Plastic Lumber (06 51 13)

06 51 13 00-0002	LF		2" x 6", Beam Or Girder, Recycled Plastic Lumber	7.27	1.47
			<i>For Reinforced Structural Plastic Lumber, Add</i>	1.91	
			<i>Note: High density polyethylene combined with fiberglass.</i>		
			<i>For Brown Color, Add</i>	0.47	
			<i>For White Color, Add</i>	2.20	
			<i>For All Other Colors (Except Black, Brown Or White), Add</i>	1.86	
06 51 13 00-0003	LF		2" x 8", Beam Or Girder, Recycled Plastic Lumber	9.16	1.59
			<i>For Reinforced Structural Plastic Lumber, Add</i>	2.55	
			<i>Note: High density polyethylene combined with fiberglass.</i>		
			<i>For Brown Color, Add</i>	0.62	
			<i>For White Color, Add</i>	2.92	
			<i>For All Other Colors (Except Black, Brown Or White), Add</i>	2.48	
06 51 13 00-0004	LF		2" x 10", Beam Or Girder, Recycled Plastic Lumber	10.87	1.72
			<i>For Reinforced Structural Plastic Lumber, Add</i>	3.12	
			<i>Note: High density polyethylene combined with fiberglass.</i>		
			<i>For Brown Color, Add</i>	0.76	
			<i>For White Color, Add</i>	3.58	
			<i>For All Other Colors (Except Black, Brown Or White), Add</i>	3.03	
06 51 13 00-0005	LF		3" x 10", Beam Or Girder, Recycled Plastic Lumber	15.67	2.04
			<i>For Reinforced Structural Plastic Lumber, Add</i>	4.72	
			<i>Note: High density polyethylene combined with fiberglass.</i>		
			<i>For Brown Color, Add</i>	1.15	
			<i>For White Color, Add</i>	5.42	
			<i>For All Other Colors (Except Black, Brown Or White), Add</i>	4.59	
06 51 13 00-0006	LF		3" x 12", Beam Or Girder, Recycled Plastic Lumber	18.70	2.29
			<i>For Reinforced Structural Plastic Lumber, Add</i>	5.71	
			<i>Note: High density polyethylene combined with fiberglass.</i>		
			<i>For Brown Color, Add</i>	1.39	
			<i>For White Color, Add</i>	6.55	
			<i>For All Other Colors (Except Black, Brown Or White), Add</i>	5.55	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 51 13 00-0007 LF 4" x 4", Beam Or Girder, Recycled Plastic Lumber	10.42	1.98
For Reinforced Structural Plastic Lumber, Add	2.81	
Note: High density polyethylene combined with fiberglass.		
For Brown Color, Add	0.68	
For White Color, Add	3.23	
For All Other Colors (Except Black, Brown Or White), Add	2.73	
06 51 13 00-0008 LF 4" x 6", Beam Or Girder, Recycled Plastic Lumber	13.79	2.11
For Reinforced Structural Plastic Lumber, Add	3.99	
Note: High density polyethylene combined with fiberglass.		
For Brown Color, Add	0.97	
For White Color, Add	4.58	
For All Other Colors (Except Black, Brown Or White), Add	3.88	
06 51 13 00-0009 LF 5" x 5", Beam Or Girder, Recycled Plastic Lumber	14.34	2.17
For Reinforced Structural Plastic Lumber, Add	4.16	
Note: High density polyethylene combined with fiberglass.		
For Brown Color, Add	1.01	
For White Color, Add	4.78	
For All Other Colors (Except Black, Brown Or White), Add	4.05	
06 51 13 00-0010 LF 6" x 6", Beam Or Girder, Recycled Plastic Lumber	19.52	2.36
For Reinforced Structural Plastic Lumber, Add	5.97	
Note: High density polyethylene combined with fiberglass.		
For Brown Color, Add	1.45	
For White Color, Add	6.86	
For All Other Colors (Except Black, Brown Or White), Add	5.81	
06 51 13 00-0011 LF 6" x 8", Beam Or Girder, Recycled Plastic Lumber	26.30	2.48
For Reinforced Structural Plastic Lumber, Add	8.41	
Note: High density polyethylene combined with fiberglass.		
For Brown Color, Add	2.05	
For White Color, Add	9.66	
For All Other Colors (Except Black, Brown Or White), Add	8.19	
06 51 13 00-0012 Joists, Recycled Plastic Lumber (06 51 13)		
06 51 13 00-0013 LF 2" x 4", Joist, Recycled Plastic Lumber	4.68	0.82
For Reinforced Structural Plastic Lumber, Add	1.29	
Note: High density polyethylene combined with fiberglass.		
For Brown Color, Add	0.31	
For White Color, Add	1.48	
For All Other Colors (Except Black, Brown Or White), Add	1.26	
06 51 13 00-0014 LF 2" x 6", Joist, Recycled Plastic Lumber	6.36	0.86
For Reinforced Structural Plastic Lumber, Add	1.91	
Note: High density polyethylene combined with fiberglass.		
For Brown Color, Add	0.47	
For White Color, Add	2.20	
For All Other Colors (Except Black, Brown Or White), Add	1.86	
06 51 13 00-0015 LF 2" x 8", Joist, Recycled Plastic Lumber	8.24	0.95
For Reinforced Structural Plastic Lumber, Add	2.55	
Note: High density polyethylene combined with fiberglass.		
For Brown Color, Add	0.62	
For White Color, Add	2.92	
For All Other Colors (Except Black, Brown Or White), Add	2.48	
06 51 13 00-0016 LF 2" x 10", Joist, Recycled Plastic Lumber	10.06	1.15
For Reinforced Structural Plastic Lumber, Add	3.12	
Note: High density polyethylene combined with fiberglass.		
For Brown Color, Add	0.76	
For White Color, Add	3.58	
For All Other Colors (Except Black, Brown Or White), Add	3.03	
06 51 13 00-0017 LF 3" x 10", Joist, Recycled Plastic Lumber	14.68	1.34
For Reinforced Structural Plastic Lumber, Add	4.72	
Note: High density polyethylene combined with fiberglass.		
For Brown Color, Add	1.15	
For White Color, Add	5.42	
For All Other Colors (Except Black, Brown Or White), Add	4.59	
06 51 13 00-0018 LF 3" x 12", Joist, Recycled Plastic Lumber	17.88	1.72
For Reinforced Structural Plastic Lumber, Add	5.71	
Note: High density polyethylene combined with fiberglass.		
For Brown Color, Add	1.39	
For White Color, Add	6.55	
For All Other Colors (Except Black, Brown Or White), Add	5.55	
06 51 13 00-0019 LF 4" x 4", Joist, Recycled Plastic Lumber	9.32	1.22
For Reinforced Structural Plastic Lumber, Add	2.81	
Note: High density polyethylene combined with fiberglass.		
For Brown Color, Add	0.68	
For White Color, Add	3.23	
For All Other Colors (Except Black, Brown Or White), Add	2.73	
06 51 13 00-0020 LF 4" x 6", Joist, Recycled Plastic Lumber	12.60	1.28
For Reinforced Structural Plastic Lumber, Add	3.99	
Note: High density polyethylene combined with fiberglass.		
For Brown Color, Add	0.97	
For White Color, Add	4.58	
For All Other Colors (Except Black, Brown Or White), Add	3.88	

06 Wood, Plastics, and Composites**06 50 Structural Plastics****06 51 Structural Plastic Shapes And Plates**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 51 13 00-0021	LF		5" x 5", Joist, Recycled Plastic Lumber.....	13.25	1.40
			<i>For Reinforced Structural Plastic Lumber, Add</i>	4.16	
			<i>Note: High density polyethylene combined with fiberglass.</i>		
			<i>For Brown Color, Add</i>	1.01	
			<i>For White Color, Add</i>	4.78	
			<i>For All Other Colors (Except Black, Brown Or White), Add</i>	4.05	
06 51 13 00-0022	LF		6" x 6", Joist, Recycled Plastic Lumber.....	18.41	1.59
			<i>For Reinforced Structural Plastic Lumber, Add</i>	5.97	
			<i>Note: High density polyethylene combined with fiberglass.</i>		
			<i>For Brown Color, Add</i>	1.45	
			<i>For White Color, Add</i>	6.86	
			<i>For All Other Colors (Except Black, Brown Or White), Add</i>	5.81	
06 51 13 00-0023	LF		6" x 8", Joist, Recycled Plastic Lumber.....	25.20	1.72
			<i>For Reinforced Structural Plastic Lumber, Add</i>	8.41	
			<i>Note: High density polyethylene combined with fiberglass.</i>		
			<i>For Brown Color, Add</i>	2.05	
			<i>For White Color, Add</i>	9.66	
			<i>For All Other Colors (Except Black, Brown Or White), Add</i>	8.19	
06 51 13 00-0024			Columns, Recycled Plastic Lumber (06 51 13)		
06 51 13 00-0025	LF		4" x 4", Column, Recycled Plastic Lumber.....	11.33	2.62
			<i>For Reinforced Structural Plastic Lumber, Add</i>	2.81	
			<i>Note: High density polyethylene combined with fiberglass.</i>		
			<i>For Brown Color, Add</i>	0.68	
			<i>For White Color, Add</i>	3.23	
			<i>For All Other Colors (Except Black, Brown Or White), Add</i>	2.73	
06 51 13 00-0026	LF		4" x 6", Column, Recycled Plastic Lumber.....	16.06	3.70
			<i>For Reinforced Structural Plastic Lumber, Add</i>	3.99	
			<i>Note: High density polyethylene combined with fiberglass.</i>		
			<i>For Brown Color, Add</i>	0.97	
			<i>For White Color, Add</i>	4.58	
			<i>For All Other Colors (Except Black, Brown Or White), Add</i>	3.88	
06 51 13 00-0027	LF		5" x 5", Column, Recycled Plastic Lumber.....	17.16	4.15
			<i>For Reinforced Structural Plastic Lumber, Add</i>	4.16	
			<i>Note: High density polyethylene combined with fiberglass.</i>		
			<i>For Brown Color, Add</i>	1.01	
			<i>For White Color, Add</i>	4.78	
			<i>For All Other Colors (Except Black, Brown Or White), Add</i>	4.05	
06 51 13 00-0028	LF		6" x 6", Column, Recycled Plastic Lumber.....	22.88	4.71
			<i>For Reinforced Structural Plastic Lumber, Add</i>	5.97	
			<i>Note: High density polyethylene combined with fiberglass.</i>		
			<i>For Brown Color, Add</i>	1.45	
			<i>For White Color, Add</i>	6.86	
			<i>For All Other Colors (Except Black, Brown Or White), Add</i>	5.81	
06 51 13 00-0029	LF		6" x 8", Column, Recycled Plastic Lumber.....	31.03	5.80
			<i>For Reinforced Structural Plastic Lumber, Add</i>	8.41	
			<i>Note: High density polyethylene combined with fiberglass.</i>		
			<i>For Brown Color, Add</i>	2.05	
			<i>For White Color, Add</i>	9.66	
			<i>For All Other Colors (Except Black, Brown Or White), Add</i>	8.19	
06 51 13 00-0030			Walls, Recycled Plastic Lumber (06 51 13)		
06 51 13 00-0031	LF		2" x 3", Walls, Recycled Plastic Lumber.....	4.24	0.82
			<i>For Reinforced Structural Plastic Lumber, Add</i>	1.13	
			<i>Note: High density polyethylene combined with fiberglass.</i>		
			<i>For Brown Color, Add</i>	0.27	
			<i>For White Color, Add</i>	1.30	
			<i>For All Other Colors (Except Black, Brown Or White), Add</i>	1.10	
06 51 13 00-0032	LF		2" x 4", Walls, Recycled Plastic Lumber.....	4.86	0.95
			<i>For Reinforced Structural Plastic Lumber, Add</i>	1.29	
			<i>Note: High density polyethylene combined with fiberglass.</i>		
			<i>For Brown Color, Add</i>	0.31	
			<i>For White Color, Add</i>	1.48	
			<i>For All Other Colors (Except Black, Brown Or White), Add</i>	1.26	
06 51 13 00-0033	LF		2" x 6", Walls, Recycled Plastic Lumber.....	6.63	1.02
			<i>For Reinforced Structural Plastic Lumber, Add</i>	1.91	
			<i>Note: High density polyethylene combined with fiberglass.</i>		
			<i>For Brown Color, Add</i>	0.47	
			<i>For White Color, Add</i>	2.20	
			<i>For All Other Colors (Except Black, Brown Or White), Add</i>	1.86	
06 51 13 00-0034	LF		2" x 8", Walls, Recycled Plastic Lumber.....	8.42	1.08
			<i>For Reinforced Structural Plastic Lumber, Add</i>	2.55	
			<i>Note: High density polyethylene combined with fiberglass.</i>		
			<i>For Brown Color, Add</i>	0.62	
			<i>For White Color, Add</i>	2.92	
			<i>For All Other Colors (Except Black, Brown Or White), Add</i>	2.48	
06 51 13 00-0035			Other Shapes, Recycled Plastic Lumber (06 51 13)		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 51 13 00-0036 LF 5/4" x 4", Other Shapes, Recycled Plastic Lumber	4.12	0.73
For Reinforced Structural Plastic Lumber, Add	1.11	
Note: High density polyethylene combined with fiberglass.		
For Brown Color, Add	0.27	
For White Color, Add	1.28	
For All Other Colors (Except Black, Brown Or White), Add	1.08	
06 51 13 00-0037 LF 5/4" x 6", Other Shapes, Recycled Plastic Lumber	5.17	0.82
For Reinforced Structural Plastic Lumber, Add	1.47	
Note: High density polyethylene combined with fiberglass.		
For Brown Color, Add	0.36	
For White Color, Add	1.69	
For All Other Colors (Except Black, Brown Or White), Add	1.43	
06 51 13 00-0038 LF 5/4" x 8", Other Shapes, Recycled Plastic Lumber	6.66	0.82
For Reinforced Structural Plastic Lumber, Add	2.02	
Note: High density polyethylene combined with fiberglass.		
For Brown Color, Add	0.49	
For White Color, Add	2.32	
For All Other Colors (Except Black, Brown Or White), Add	1.97	
06 51 13 00-0039 LF 1" x 4", Other Shapes, Recycled Plastic Lumber	4.14	0.73
For Reinforced Structural Plastic Lumber, Add	1.12	
Note: High density polyethylene combined with fiberglass.		
For Brown Color, Add	0.27	
For White Color, Add	1.28	
For All Other Colors (Except Black, Brown Or White), Add	1.09	
06 51 13 00-0040 LF 1" x 6", Other Shapes, Recycled Plastic Lumber	4.57	0.82
For Reinforced Structural Plastic Lumber, Add	1.25	
Note: High density polyethylene combined with fiberglass.		
For Brown Color, Add	0.30	
For White Color, Add	1.44	
For All Other Colors (Except Black, Brown Or White), Add	1.22	
06 51 13 00-0041 LF 1" x 6", Tongue And Grooved, Other Shapes, Recycled Plastic Lumber	4.64	0.82
For Reinforced Structural Plastic Lumber, Add	1.28	
Note: High density polyethylene combined with fiberglass.		
For Brown Color, Add	0.31	
For White Color, Add	1.47	
For All Other Colors (Except Black, Brown Or White), Add	1.24	
06 51 13 00-0042 LF 2" x 2", Other Shapes, Recycled Plastic Lumber	2.92	0.70
For Reinforced Structural Plastic Lumber, Add	0.71	
Note: High density polyethylene combined with fiberglass.		
For Brown Color, Add	0.17	
For White Color, Add	0.82	
For All Other Colors (Except Black, Brown Or White), Add	0.69	
06 51 13 00-0043 LF 2" x 3", Other Shapes, Recycled Plastic Lumber	4.24	0.82
For Reinforced Structural Plastic Lumber, Add	1.13	
Note: High density polyethylene combined with fiberglass.		
For Brown Color, Add	0.27	
For White Color, Add	1.30	
For All Other Colors (Except Black, Brown Or White), Add	1.10	
06 51 13 00-0044 LF 2" x 4", Other Shapes, Recycled Plastic Lumber	4.86	0.95
For Reinforced Structural Plastic Lumber, Add	1.29	
Note: High density polyethylene combined with fiberglass.		
For Brown Color, Add	0.31	
For White Color, Add	1.48	
For All Other Colors (Except Black, Brown Or White), Add	1.26	
06 51 13 00-0045 LF 2" x 6", Other Shapes, Recycled Plastic Lumber	6.63	1.02
For Reinforced Structural Plastic Lumber, Add	1.91	
Note: High density polyethylene combined with fiberglass.		
For Brown Color, Add	0.47	
For White Color, Add	2.20	
For All Other Colors (Except Black, Brown Or White), Add	1.86	
06 51 13 00-0046 LF 2" x 8", Other Shapes, Recycled Plastic Lumber	8.42	1.08
For Reinforced Structural Plastic Lumber, Add	2.55	
Note: High density polyethylene combined with fiberglass.		
For Brown Color, Add	0.62	
For White Color, Add	2.92	
For All Other Colors (Except Black, Brown Or White), Add	2.48	
06 51 13 00-0047 LF 2" x 10", Other Shapes, Recycled Plastic Lumber	10.06	1.15
For Reinforced Structural Plastic Lumber, Add	3.12	
Note: High density polyethylene combined with fiberglass.		
For Brown Color, Add	0.76	
For White Color, Add	3.58	
For All Other Colors (Except Black, Brown Or White), Add	3.03	
06 51 13 00-0048 LF 2" x 12", Other Shapes, Recycled Plastic Lumber	12.07	1.22
For Reinforced Structural Plastic Lumber, Add	3.83	
Note: High density polyethylene combined with fiberglass.		
For Brown Color, Add	0.93	
For White Color, Add	4.40	
For All Other Colors (Except Black, Brown Or White), Add	3.73	
06 51 13 00-0049 LF 3" x 4", Other Shapes, Recycled Plastic Lumber	6.85	1.12
For Reinforced Structural Plastic Lumber, Add	1.94	
Note: High density polyethylene combined with fiberglass.		
For Brown Color, Add	0.47	
For White Color, Add	2.23	
For All Other Colors (Except Black, Brown Or White), Add	1.89	

06 Wood, Plastics, and Composites**06 50 Structural Plastics****06 51 Structural Plastic Shapes And Plates**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 51 13 00-0050 LF 3" x 6", Other Shapes, Recycled Plastic Lumber	9.84	1.20
For Reinforced Structural Plastic Lumber, Add	3.01	
Note: High density polyethylene combined with fiberglass.		
For Brown Color, Add	0.73	
For White Color, Add	3.46	
For All Other Colors (Except Black, Brown Or White), Add	2.93	
06 51 13 00-0051 LF 3" x 8", Other Shapes, Recycled Plastic Lumber	12.69	1.28
For Reinforced Structural Plastic Lumber, Add	4.03	
Note: High density polyethylene combined with fiberglass.		
For Brown Color, Add	0.98	
For White Color, Add	4.63	
For All Other Colors (Except Black, Brown Or White), Add	3.92	
06 51 13 00-0052 LF 3" x 10", Other Shapes, Recycled Plastic Lumber	14.68	1.34
For Reinforced Structural Plastic Lumber, Add	4.72	
Note: High density polyethylene combined with fiberglass.		
For Brown Color, Add	1.15	
For White Color, Add	5.42	
For All Other Colors (Except Black, Brown Or White), Add	4.59	
06 51 13 00-0053 LF 3" x 12", Other Shapes, Recycled Plastic Lumber	17.88	1.72
For Reinforced Structural Plastic Lumber, Add	5.71	
Note: High density polyethylene combined with fiberglass.		
For Brown Color, Add	1.39	
For White Color, Add	6.55	
For All Other Colors (Except Black, Brown Or White), Add	5.55	
06 51 13 00-0054 LF 4" x 4", Other Shapes, Recycled Plastic Lumber	9.32	1.22
For Reinforced Structural Plastic Lumber, Add	2.81	
Note: High density polyethylene combined with fiberglass.		
For Brown Color, Add	0.68	
For White Color, Add	3.23	
For All Other Colors (Except Black, Brown Or White), Add	2.73	
06 51 13 00-0055 LF 4" x 6", Other Shapes, Recycled Plastic Lumber	12.60	1.28
For Reinforced Structural Plastic Lumber, Add	3.99	
Note: High density polyethylene combined with fiberglass.		
For Brown Color, Add	0.97	
For White Color, Add	4.58	
For All Other Colors (Except Black, Brown Or White), Add	3.88	
06 51 13 00-0056 LF 4" x 8", Other Shapes, Recycled Plastic Lumber	16.81	1.39
For Reinforced Structural Plastic Lumber, Add	5.49	
Note: High density polyethylene combined with fiberglass.		
For Brown Color, Add	1.33	
For White Color, Add	6.30	
For All Other Colors (Except Black, Brown Or White), Add	5.34	
06 51 13 00-0057 LF 5" x 5", Other Shapes, Recycled Plastic Lumber	13.25	1.40
For Reinforced Structural Plastic Lumber, Add	4.16	
Note: High density polyethylene combined with fiberglass.		
For Brown Color, Add	1.01	
For White Color, Add	4.78	
For All Other Colors (Except Black, Brown Or White), Add	4.05	
06 51 13 00-0058 LF 6" x 6", Other Shapes, Recycled Plastic Lumber	18.41	1.59
For Reinforced Structural Plastic Lumber, Add	5.97	
Note: High density polyethylene combined with fiberglass.		
For Brown Color, Add	1.45	
For White Color, Add	6.86	
For All Other Colors (Except Black, Brown Or White), Add	5.81	
06 51 13 00-0059 LF 6" x 8", Other Shapes, Recycled Plastic Lumber	25.20	1.72
For Reinforced Structural Plastic Lumber, Add	8.41	
Note: High density polyethylene combined with fiberglass.		
For Brown Color, Add	2.05	
For White Color, Add	9.66	
For All Other Colors (Except Black, Brown Or White), Add	8.19	
06 51 13 00-0060 LF 6" x 12", Other Shapes, Recycled Plastic Lumber	35.37	1.92
For Reinforced Structural Plastic Lumber, Add	12.07	
Note: High density polyethylene combined with fiberglass.		
For Brown Color, Add	2.94	
For White Color, Add	13.87	
For All Other Colors (Except Black, Brown Or White), Add	11.75	
06 51 13 00-0061 LF 8" x 8", Other Shapes, Recycled Plastic Lumber	31.51	1.85
For Reinforced Structural Plastic Lumber, Add	10.69	
Note: High density polyethylene combined with fiberglass.		
For Brown Color, Add	2.60	
For White Color, Add	12.27	
For All Other Colors (Except Black, Brown Or White), Add	10.40	
06 51 13 00-0062 LF 8" x 10", Other Shapes, Recycled Plastic Lumber	53.30	1.92
For Reinforced Structural Plastic Lumber, Add	18.71	
Note: High density polyethylene combined with fiberglass.		
For Brown Color, Add	4.55	
For White Color, Add	21.49	
For All Other Colors (Except Black, Brown Or White), Add	18.20	
06 51 13 00-0063 LF 10" x 10", Other Shapes, Recycled Plastic Lumber	73.65	2.01
For Reinforced Structural Plastic Lumber, Add	26.20	
Note: High density polyethylene combined with fiberglass.		
For Brown Color, Add	6.37	
For White Color, Add	30.09	
For All Other Colors (Except Black, Brown Or White), Add	25.49	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 51 13 00-0064 LF 2" Diameter, Other Shapes, Recycled Plastic Lumber.....	3.09	0.64
For Reinforced Structural Plastic Lumber, Add	0.81	
Note: High density polyethylene combined with fiberglass.		
For Brown Color, Add	0.20	
For White Color, Add	0.93	
For All Other Colors (Except Black, Brown Or White), Add	0.78	
06 51 13 00-0065 LF 3-1/2" Diameter, Other Shapes, Recycled Plastic Lumber.....	8.45	0.82
For Reinforced Structural Plastic Lumber, Add	2.69	
Note: High density polyethylene combined with fiberglass.		
For Brown Color, Add	0.65	
For White Color, Add	3.09	
For All Other Colors (Except Black, Brown Or White), Add	2.61	
06 51 13 00-0066 LF 4" Diameter, Other Shapes, Recycled Plastic Lumber.....	9.32	0.95
For Reinforced Structural Plastic Lumber, Add	2.95	
Note: High density polyethylene combined with fiberglass.		
For Brown Color, Add	0.72	
For White Color, Add	3.38	
For All Other Colors (Except Black, Brown Or White), Add	2.87	
06 51 13 00-0067 LF 5" Diameter, Other Shapes, Recycled Plastic Lumber.....	11.53	1.15
For Reinforced Structural Plastic Lumber, Add	3.66	
Note: High density polyethylene combined with fiberglass.		
For Brown Color, Add	0.89	
For White Color, Add	4.21	
For All Other Colors (Except Black, Brown Or White), Add	3.56	
06 51 13 00-0068 LF 6" Diameter, Other Shapes, Recycled Plastic Lumber.....	25.02	1.34
For Reinforced Structural Plastic Lumber, Add	8.55	
Note: High density polyethylene combined with fiberglass.		
For Brown Color, Add	2.08	
For White Color, Add	9.82	
For All Other Colors (Except Black, Brown Or White), Add	8.32	
06 51 13 00-0069 SF 1/8" Thick, Other Shapes, Recycled Plastic Sheeting.....	2.58	0.70
06 51 13 00-0070 SF 1/4" Thick, Other Shapes, Recycled Plastic Sheeting.....	3.65	0.73
06 51 13 00-0071 SF 3/8" Thick, Other Shapes, Recycled Plastic Sheeting.....	5.15	0.77
06 51 13 00-0072 SF 1/2" Thick, Other Shapes, Recycled Plastic Sheeting.....	6.48	0.80

06 52 Plastic Structural Assemblies (06 50)

06 52 13 Plastic Columns (06 52)

06 52 13 00-0001 Round Fiberglass Columns (06 52 13)

06 52 13 00-0002 LF 6" Diameter, Round Fiberglass Column.....	18.21	5.70
06 52 13 00-0003 LF 8" Diameter, Round Fiberglass Column.....	25.58	8.29
06 52 13 00-0004 LF 10" Diameter, Round Fiberglass Column.....	29.96	9.33
06 52 13 00-0005 LF 12" Diameter, Round Fiberglass Column.....	38.43	9.76
06 52 13 00-0006 LF 15" Diameter, Round Fiberglass Column.....	47.31	11.27
06 52 13 00-0007 EA 6" Diameter, Base And Cap For Round Fiberglass Columns.....	35.30	10.79
06 52 13 00-0008 EA 8" Diameter, Base And Cap For Round Fiberglass Columns.....	39.34	11.66
06 52 13 00-0009 EA 10" Diameter, Base And Cap For Round Fiberglass Columns.....	46.95	12.96
06 52 13 00-0010 EA 12" Diameter, Base And Cap For Round Fiberglass Columns.....	68.09	13.82
06 52 13 00-0011 EA 15" Diameter, Base And Cap For Round Fiberglass Columns.....	95.04	15.11

06 52 13 00-0012 Fluted Fiberglass Columns (06 52 13)

06 52 13 00-0013 LF 6" Diameter, Fluted Fiberglass Column.....	19.55	5.70
06 52 13 00-0014 LF 8" Diameter, Fluted Fiberglass Column.....	27.37	8.29
06 52 13 00-0015 LF 10" Diameter, Fluted Fiberglass Column.....	32.22	9.33
06 52 13 00-0016 LF 12" Diameter, Fluted Fiberglass Column.....	42.23	9.76
06 52 13 00-0017 LF 15" Diameter, Fluted Fiberglass Column.....	52.26	11.31
06 52 13 00-0018 EA 6" Diameter, Base And Cap For Fluted Fiberglass Columns.....	38.04	10.79
06 52 13 00-0019 EA 8" Diameter, Base And Cap For Fluted Fiberglass Columns.....	42.54	11.66
06 52 13 00-0020 EA 10" Diameter, Base And Cap For Fluted Fiberglass Columns.....	51.16	12.96
06 52 13 00-0021 EA 12" Diameter, Base And Cap For Fluted Fiberglass Columns.....	76.18	13.82
06 52 13 00-0022 EA 15" Diameter, Base And Cap For Fluted Fiberglass Columns.....	108.00	15.11

06 52 13 00-0023 Ornamental Or Decorative Cap And Base For Fiberglass Columns (06 52 13)

06 52 13 00-0024 EA 8" Roman Ionic Cap And Base For Fiberglass Columns.....	170.84	12.96
06 52 13 00-0025 EA 10" Roman Ionic Cap And Base For Fiberglass Columns.....	229.29	15.11
06 52 13 00-0026 EA 12" Roman Ionic Cap And Base For Fiberglass Columns.....	295.08	17.27
06 52 13 00-0027 EA 8" Scamozzi Cap And Base For Fiberglass Columns.....	204.78	12.96
06 52 13 00-0028 EA 10" Scamozzi Cap And Base For Fiberglass Columns.....	246.72	15.11
06 52 13 00-0029 EA 12" Scamozzi Cap And Base For Fiberglass Columns.....	362.96	17.27
06 52 13 00-0030 EA 8" Corinthian Cap And Base For Fiberglass Columns.....	259.82	12.96
06 52 13 00-0031 EA 10" Corinthian Cap And Base For Fiberglass Columns.....	315.53	15.11
06 52 13 00-0032 EA 12" Corinthian Cap And Base For Fiberglass Columns.....	419.84	17.27
06 52 13 00-0033 EA 8" Temple Of Winds Cap And Base For Fiberglass Columns.....	173.59	12.96
06 52 13 00-0034 EA 10" Temple Of Winds Cap And Base For Fiberglass Columns.....	234.80	15.11
06 52 13 00-0035 EA 12" Temple Of Winds Cap And Base For Fiberglass Columns.....	300.58	17.27
06 52 13 00-0036 EA 8" Greek Erectheum Cap And Base For Fiberglass Columns.....	173.59	12.96
06 52 13 00-0037 EA 10" Greek Erectheum Cap And Base For Fiberglass Columns.....	209.11	15.11
06 52 13 00-0038 EA 12" Greek Erectheum Cap And Base For Fiberglass Columns.....	277.65	17.27

06 Wood, Plastics, and Composites**06 50 Structural Plastics****06 52 Plastic Structural Assemblies**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST**06 53 Plastic Decking** (06 50)**06 53 16 Plastic Stair Treads** (06 53)**06 53 16 00-0001 Fiberglass Reinforced Plastic Stair Treads** (06 53 16)

Note: Includes standard colors and anchors. Excludes stringers.

06 53 16 00-0002 SF 12" Depth, 1/2" Thick, 1-1/2" Lip, Fiberglass Reinforced Plastic Stair Tread46.85 4.97

06 60 Plastic Fabrications (06)**06 65 Plastic Trim** (06 60)**06 65 00 00-0001 Plastic Moldings** (06 65)

Note: All dimensions are nominal.

06 65 00 00-0002 Base, Plastic Moldings (06 65 00 00-0001)

06 65 00 00-0003 LF 3-1/2" High, Base, Plastic Molding4.69 1.81
 06 65 00 00-0004 LF 4-1/2" High, Base, Plastic Molding5.74 2.26
 06 65 00 00-0005 LF 3/4" x 1", Base Shoe, Plastic Molding4.50 1.90

06 65 00 00-0006 Cornice, Plastic Moldings (06 65 00 00-0001)

06 65 00 00-0007 LF 1" x 2" Cornice, Plastic Molding4.42 1.81
 06 65 00 00-0008 LF 1" x 4" Cornice, Plastic Molding5.21 1.90
 06 65 00 00-0009 LF 1" x 6" Cornice, Plastic Molding6.67 1.99
 06 65 00 00-0010 LF 1" x 8" Cornice, Plastic Molding7.51 2.08
 06 65 00 00-0011 LF 1" x 10" Cornice, Plastic Molding8.48 2.17
 06 65 00 00-0012 LF 1" x 12" Cornice, Plastic Molding10.46 2.26

06 65 00 00-0013 Crown Or Bed, Plastic Moldings (06 65 00 00-0001)

06 65 00 00-0014 LF 9/16" x 1-5/8" Crown Or Bed, Plastic Molding6.81 1.81
 06 65 00 00-0015 LF 9/16" x 2-1/4" Crown Or Bed, Plastic Molding8.98 2.26
 06 65 00 00-0016 LF 9/16" x 3-1/2" Crown Or Bed, Plastic Molding9.29 2.26
 06 65 00 00-0017 LF 9/16" x 3-5/8" Crown Or Bed, Plastic Molding9.60 2.26
 06 65 00 00-0018 LF 5/8" x 4-1/4" Crown Or Bed, Plastic Molding12.35 2.72
 06 65 00 00-0019 LF 11/16" x 4-5/8" Crown Or Bed, Plastic Molding14.25 2.72

06 65 00 00-0020 Dentil, Plastic Moldings (06 65 00 00-0001)

06 65 00 00-0021 LF 11/16" x 1-3/8" Dentil, Plastic Molding6.00 1.81
 06 65 00 00-0022 LF 5/8" x 2-1/2" Dentil, Plastic Molding6.58 1.81
 06 65 00 00-0023 LF 1-3/8" x 3-3/8" Dentil, Plastic Molding7.89 1.81
 06 65 00 00-0024 LF 1-1/2" x 4-1/2" Dentil, Plastic Molding10.16 1.81

06 65 00 00-0025 Cove, Plastic Moldings (06 65 00 00-0001)

06 65 00 00-0026 LF 3/8" x 3/8" Cove, Plastic Molding2.48 1.00
 06 65 00 00-0027 LF 1/2" x 1/2" Cove, Plastic Molding2.63 1.00
 06 65 00 00-0028 LF 5/8" x 5/8" Cove, Plastic Molding3.39 1.18
 06 65 00 00-0029 LF 3/4" x 3/4" Cove, Plastic Molding3.39 1.18
 06 65 00 00-0030 LF 15/16" x 15/16" Cove, Plastic Molding4.07 1.18
 06 65 00 00-0031 LF 9/16" x 1-3/4" Cove, Plastic Molding5.24 1.36
 06 65 00 00-0032 LF 11/16" x 2-3/4" Cove, Plastic Molding6.68 1.36

06 65 00 00-0033 Chair Rail, Plastic Moldings (06 65 00 00-0001)

06 65 00 00-0034 LF 1/2" x 1-5/8" Chair Rail, Plastic Molding4.00 1.36
 06 65 00 00-0035 LF 5/8" x 2-1/2" Chair Rail, Plastic Molding5.37 1.81
 06 65 00 00-0036 LF 5/8" x 3-1/2" Chair Rail, Plastic Molding6.25 1.81

06 65 00 00-0037 Door, Plastic Moldings (06 65 00 00-0001)

06 65 00 00-0038 LF 1-1/8" Wide, Door, Plastic Molding3.77 1.63
 06 65 00 00-0039 LF 1-1/8" Wide, Detailed Door, Plastic Molding3.79 1.63

06 65 00 00-0040 Trim, Plastic Moldings (06 65 00 00-0001)

06 65 00 00-0041 LF 1/2" x 1/2" Quarter Round Trim, Plastic Molding4.10 1.90
 06 65 00 00-0042 LF 3/4" x 3/4" Quarter Round Trim, Plastic Molding4.43 1.90
 06 65 00 00-0043 LF 1-1/4" x 2" Brick Mould, Plastic Molding4.86 1.81
 06 65 00 00-0044 LF 1-17/32" x 1-1/2" x 1-3/8" Sill Nose, Plastic Molding5.44 1.81
 06 65 00 00-0045 LF 11/16" x 1-5/8" Drip Cap, Plastic Molding4.30 1.81
 06 65 00 00-0046 LF 2-3/4" x 2" Water Table, Plastic Molding5.86 1.81
 06 65 00 00-0047 LF 3/8" x 2" Garage Door Stop, Plastic Molding4.62 1.81



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 65 00 00-0048			Extruded Polyvinyl Chloride (PVC) Trimboard <small>(06 65)</small>		
<small>Note: As manufactured by Azek or Kleer. All dimensions are nominal.</small>					
06 65 00 00-0049	LF		1" x 4" Extruded Polyvinyl Chloride (PVC) Trimboard.....	2.64	0.72
06 65 00 00-0050	LF		1" x 6" Extruded Polyvinyl Chloride (PVC) Trimboard.....	3.66	0.81
06 65 00 00-0051	LF		1" x 8" Extruded Polyvinyl Chloride (PVC) Trimboard.....	4.73	0.90
06 65 00 00-0052	LF		1" x 10" Extruded Polyvinyl Chloride (PVC) Trimboard.....	5.63	0.93
06 65 00 00-0053	LF		1" x 12" Extruded Polyvinyl Chloride (PVC) Trimboard.....	6.62	0.95
06 65 00 00-0054	LF		5/4" x 4" Extruded Polyvinyl Chloride (PVC) Trimboard.....	3.16	0.72
06 65 00 00-0055	LF		5/4" x 6" Extruded Polyvinyl Chloride (PVC) Trimboard.....	4.46	0.81
06 65 00 00-0056	LF		5/4" x 8" Extruded Polyvinyl Chloride (PVC) Trimboard.....	5.62	0.90
06 65 00 00-0057	LF		5/4" x 10" Extruded Polyvinyl Chloride (PVC) Trimboard.....	6.85	0.93
06 65 00 00-0058	LF		5/4" x 12" Extruded Polyvinyl Chloride (PVC) Trimboard.....	7.98	0.95
06 65 00 00-0059	LF		3-1/2" x 3-1/2" Extruded Polyvinyl Chloride (PVC) Corner Board.....	6.57	0.93
06 65 00 00-0060	LF		5-1/2" x 5-1/2" Extruded Polyvinyl Chloride (PVC) Corner Board.....	8.59	0.95
06 65 00 00-0061	SF		1/2" Smooth/Wood Grain Reversible Extruded Polyvinyl Chloride (PVC) Sheets.....	4.66	0.81
06 65 00 00-0062	SF		3/4" Smooth/Wood Grain Reversible Extruded Polyvinyl Chloride (PVC) Sheets.....	6.60	0.90

06 70 Structural Composites (06)

06 74 Composite Gratings (06 70)

06 74 13 Fiberglass Reinforced Gratings (06 74)

06 74 13 00-0001 Molded Fiberglass Gratings And Coverings (06 74 13)

06 74 13 00-0002 Vi-Corr Resin System (06 74 13 00-0001)

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<small>Note: Orange or dark gray.</small>					
06 74 13 00-0003	SF		1" Molded Fiberglass Grate, 1" x 4" Mesh, Vi-Corr Resin, Meniscus Top.....	30.05	1.61
06 74 13 00-0004	SF		1" Molded Fiberglass Grate, 1-1/2" Square Mesh, Vi-Corr Resin, Meniscus Top.....	29.21	1.61
06 74 13 00-0005	SF		1-1/2" Molded Fiberglass Grate, 1-1/2" Square Mesh, Vi-Corr Resin, Meniscus Top.....	37.94	1.61
06 74 13 00-0006	SF		2" Molded Fiberglass Grate, 2" x 2" Mesh, Vi-Corr Resin, Meniscus Top.....	41.19	2.06
06 74 13 00-0007	SF		1" Molded Fiberglass Grating, 1" x 4" Mesh, Vi-Corr Resin, Applied Grit Top.....	31.51	1.61
06 74 13 00-0008	SF		1" Molded Fiberglass Grate, 1-1/2" Square Mesh, Vi-Corr Resin, Applied Grit Top.....	30.64	1.61
06 74 13 00-0009	SF		1-1/2" Molded Fiberglass Grate, 1-1/2" Square Mesh, Vi-Corr Resin, Applied Grit Top.....	40.05	1.61
06 74 13 00-0010	SF		2" Molded Fiberglass Grating, 2" x 2" Mesh, Vi-Corr Resin, Applied Grit Top.....	43.17	2.06
06 74 13 00-0011	SF		1/4" Vi-Corr Resin Polyester Resin, Fiberplate Covering.....	28.39	1.29
06 74 13 00-0012	SF		1/2" Vi-Corr Resin Polyester Resin, Fiberplate Covering.....	45.75	1.42
06 74 13 00-0013	SF		3/4" Vi-Corr Resin Polyester Resin, Fiberplate Covering.....	62.56	1.56

06 74 13 00-0014 IFR Fire Retardant Isophthalic Resin (06 74 13 00-0001)

06 74 13 00-0015	SF		1" Molded Fiberglass Grate, 1" x 4" Mesh, IFR Fire Retardant Isophthalic Resin, Meniscus Top.....	27.69	1.61
06 74 13 00-0016	SF		1" Molded Fiberglass Grate, 1-1/2" Square Mesh, IFR Fire Retardant Isophthalic Resin, Meniscus Top.....	25.97	1.61
06 74 13 00-0017	SF		1-1/2" Molded Fiberglass Grate, 1-1/2" Square Mesh, IFR Fire Retardant Isophthalic Resin, Meniscus Top.....	33.25	1.61
06 74 13 00-0018	SF		2" Molded Fiberglass Grating, 2" x 2" Mesh, IFR Fire Retardant Isophthalic Resin, Meniscus Top.....	35.98	2.06
06 74 13 00-0019	SF		1" Molded Fiberglass Grating, 1" x 4" Mesh, IFR Fire Retardant Isophthalic Resin, Applied Grit Top.....	28.88	1.61
06 74 13 00-0020	SF		1" Molded Fiberglass Grate, 1-1/2" Square Mesh, IFR Fire Retardant Isophthalic Resin, Applied Grit Top.....	26.65	1.61
06 74 13 00-0021	SF		1-1/2" Molded Fiberglass Grate, 1-1/2" Square Mesh, IFR Fire Retardant Isophthalic Resin, Applied Grit Top.....	36.24	2.06
06 74 13 00-0022	SF		2" Molded Fiberglass Grating, 2" x 2" Mesh, IFR Fire Retardant Isophthalic Resin, Applied Grit Top.....	37.95	2.06
06 74 13 00-0023	SF		1/4" IFR Fire Retardant Isophthalic Resin Polyester Resin, Fiberplate Covering.....	25.08	1.29
06 74 13 00-0024	SF		1/2" IFR Fire Retardant Isophthalic Resin Polyester Resin, Fiberplate Covering.....	35.36	1.42
06 74 13 00-0025	SF		3/4" IFR Fire Retardant Isophthalic Resin Polyester Resin, Fiberplate Covering.....	48.43	1.56

06 74 13 00-0026 Corvex Polyester Resin (06 74 13 00-0001)

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<small>Note: Dark gray.</small>					
06 74 13 00-0027	SF		1" Molded Fiberglass Grate, 1" x 4" Mesh, Corvex Polyester Resin, Meniscus Top.....	23.58	1.61
06 74 13 00-0028	SF		1" Molded Fiberglass Grate, 1-1/2" Square Mesh, Corvex Polyester Resin, Meniscus Top.....	22.67	1.61
06 74 13 00-0029	SF		1-1/2" Molded Fiberglass Grate, 1-1/2" Square Mesh, Corvex Polyester Resin, Meniscus Top.....	27.36	1.61
06 74 13 00-0030	SF		2" Molded Fiberglass Grating, 2" x 2" Mesh, Corvex Polyester Resin, Meniscus Top.....	31.51	2.06
06 74 13 00-0031	SF		1" Molded Fiberglass Grating, 1" x 4" Mesh, Corvex Polyester Resin, Applied Grit Top.....	25.09	1.61
06 74 13 00-0032	SF		1" Molded Fiberglass Grate, 1-1/2" Square Mesh, Corvex Polyester Resin, Applied Grit Top.....	24.17	1.61
06 74 13 00-0033	SF		1-1/2" Molded Fiberglass Grate, 1-1/2" Square Mesh, Corvex Polyester Resin, Applied Grit Top.....	29.11	1.61
06 74 13 00-0034	SF		2" Molded Fiberglass Grating, 2" x 2" Mesh, Corvex Polyester Resin, Applied Grit Top.....	33.01	2.06
06 74 13 00-0035	SF		1/4" Corvex Polyester Resin, Fiberplate Covering.....	22.20	1.29
06 74 13 00-0036	SF		1/2" Corvex Polyester Resin, Fiberplate Covering.....	35.20	1.42
06 74 13 00-0037	SF		3/4" Corvex Polyester Resin, Fiberplate Covering.....	48.69	1.56

06 74 13 00-0038 XFR Extra Fire Retardant (06 74 13 00-0001)

06 74 13 00-0039	SF		1" Molded Fiberglass Grate, 1" x 4" Mesh, XFR Extra Fire Retardant, Meniscus Top.....	34.43	1.61
06 74 13 00-0040	SF		1" Molded Fiberglass Grate, 1-1/2" Square Mesh, XFR Extra Fire Retardant, Meniscus Top.....	33.44	1.61
06 74 13 00-0041	SF		1-1/2" Molded Fiberglass Grate, 1-1/2" Square Mesh, XFR Extra Fire Retardant, Meniscus Top.....	45.57	1.61
06 74 13 00-0042	SF		2" Molded Fiberglass Grating, 2" x 2" Mesh, XFR Extra Fire Retardant, Meniscus Top.....	48.79	2.06
06 74 13 00-0043	SF		1" Molded Fiberglass Grating, 1" x 4" Mesh XFR Extra Fire Retardant, Applied Grit Top.....	35.91	1.61
06 74 13 00-0044	SF		1" Molded Fiberglass Grate, 1-1/2" Square Mesh, XFR Extra Fire Retardant, Applied Grit Top.....	34.94	1.61
06 74 13 00-0045	SF		1-1/2" Molded Fiberglass Grate, 1-1/2" Square Mesh, XFR Extra Fire Retardant, Applied Grit Top.....	47.32	1.61
06 74 13 00-0046	SF		2" Molded Fiberglass Grating, 2" x 2" Mesh, XFR Extra Fire Retardant, Applied Grit Top.....	50.92	2.06
06 74 13 00-0047	SF		1/4" XFR Extra Fire Retardant Resin, Fiberplate Covering.....	32.46	1.29
06 74 13 00-0048	SF		1/2" XFR Extra Fire Retardant Resin, Fiberplate Covering.....	52.25	1.42

06 Wood, Plastics, and Composites**06 70 Structural Composites****06 74 Composite Gratings**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

06 74 13 00-0049	ELS Extremely Low Smoke Resin (06 74 13 00-0001)		
06 74 13 00-0050	SF 1" Molded Fiberglass Grate, 1" x 4" Mesh, ELS Extremely Low Smoke Resin, Meniscus Top.....	35.29	1.61
06 74 13 00-0051	SF 1" Molded Fiberglass Grate, 1-1/2" Square Mesh, ELS Extremely Low Smoke Resin, Meniscus Top	34.24	1.61
06 74 13 00-0052	SF 1-1/2" Molded Fiberglass Grate, 1-1/2" Square Mesh, ELS Extremely Low Smoke Resin, Meniscus Top	44.37	1.61
06 74 13 00-0053	SF 2" Molded Fiberglass Grating, 2" x 2" Mesh, ELS Extremely Low Smoke Resin, Meniscus Top	47.65	2.06
06 74 13 00-0054	SF 1" Molded Fiberglass Grating, 1" x 4" Mesh, ELS Extremely Low Smoke Resin, Applied Grit Top	36.66	1.61
06 74 13 00-0055	SF 1" Molded Fiberglass Grate, 1-1/2" Square Mesh, ELS Extremely Low Smoke Resin, Applied Grit Top.....	35.80	1.61
06 74 13 00-0056	SF 1-1/2" Molded Fiberglass Grate, 1-1/2" Square Mesh, ELS Extremely Low Smoke Resin, Applied Grit Top	46.05	1.61
06 74 13 00-0057	SF 2" Molded Fiberglass Grating, 2" x 2" Mesh, ELS Extremely Low Smoke Resin, Applied Grit Top	49.36	2.06
06 74 13 00-0058	SF 1/4" ELS Extremely Low Smoke Resin, Fiberplate Covering.....	36.23	1.29
06 74 13 00-0059	SF 1/2 ELS Extremely Low Smoke Resin, Fiberplate Covering.....	65.00	1.42
06 74 13 00-0060	Pultruded Fiberglass Grating (06 74 13)		
06 74 13 00-0061	ISOFR Isophthalic Polyester Resin System (06 74 13 00-0060) Note: For moderately corrosive environments, green.		
06 74 13 00-0062	1" ISOFR Isophthalic Polyester Resin System (06 74 13 00-0061)		
06 74 13 00-0063	SF 1" Pultruded Fiberglass Grate, 6" Bar Space, 50% Open, ISOFR Isophthalic Polyester Resin.....	25.25	2.06
06 74 13 00-0064	SF 1" Pultruded Fiberglass Grate, 12" Bar Space, 50% Open, ISOFR Isophthalic Polyester Resin	22.47	1.61
06 74 13 00-0065	SF 1" Pultruded Fiberglass Grate, 6" Bar Space, 40% Open, ISOFR Isophthalic Polyester Resin.....	28.49	2.06
06 74 13 00-0066	SF 1" Pultruded Fiberglass Grate, 12" Bar Space, 40% Open, ISOFR Isophthalic Polyester Resin	26.38	1.61
06 74 13 00-0067	SF 1" Pultruded Fiberglass Grate, 6" Bar Space, 38% Open, ISOFR Isophthalic Polyester Resin.....	19.82	2.06
06 74 13 00-0068	SF 1" Pultruded Fiberglass Grate, 12" Bar Space, 38% Open, ISOFR Isophthalic Polyester Resin	17.62	1.61
06 74 13 00-0069	SF 1" Pultruded Fiberglass Grate, 6" Bar Space, 25% Open, ISOFR Isophthalic Polyester Resin.....	22.62	2.06
06 74 13 00-0070	SF 1" Pultruded Fiberglass Grate, 12" Bar Space, 25% Open, ISOFR Isophthalic Polyester Resin	20.48	1.61
06 74 13 00-0071	1-1/2" ISOFR Isophthalic Polyester Resin System (06 74 13 00-0061)		
06 74 13 00-0072	SF 1-1/2" Pultruded Fiberglass Grate, 6" Bar Space, 50% Open, ISOFR Isophthalic Polyester Resin.....	28.45	2.06
06 74 13 00-0073	SF 1-1/2" Pultruded Fiberglass Grate, 12" Bar Space, 50% Open, ISOFR Isophthalic Polyester Resin.....	25.75	1.61
06 74 13 00-0074	SF 1-1/2" Pultruded Fiberglass Grate, 6" Bar Space, 40% Open, ISOFR Isophthalic Polyester Resin.....	31.92	2.06
06 74 13 00-0075	SF 1-1/2" Pultruded Fiberglass Grate, 12" Bar Space, 40% Open, ISOFR Isophthalic Polyester Resin.....	29.98	1.61
06 74 13 00-0076	SF 1-1/2" Pultruded Fiberglass Grate, 6" Bar Space, 25% Open, ISOFR Isophthalic Polyester Resin.....	25.08	2.06
06 74 13 00-0077	SF 1-1/2" Pultruded Fiberglass Grate, 12" Bar Space, 25% Open, ISOFR Isophthalic Polyester Resin.....	22.93	1.61
06 74 13 00-0078	2" ISOFR Isophthalic Polyester Resin System (06 74 13 00-0061)		
06 74 13 00-0079	SF 2" Pultruded Fiberglass Grate, 6" Bar Space, 50% Open, ISOFR Isophthalic Polyester Resin.....	24.91	2.06
06 74 13 00-0080	SF 2" Pultruded Fiberglass Grate, 12" Bar Space, 50% Open, ISOFR Isophthalic Polyester Resin	27.49	2.06
06 74 13 00-0081	SF 2" Pultruded Fiberglass Grate, 6" Bar Space, 33% Open, ISOFR Isophthalic Polyester Resin.....	33.09	2.06
06 74 13 00-0082	SF 2" Pultruded Fiberglass Grate, 12" Bar Space, 33% Open, ISOFR Isophthalic Polyester Resin	31.26	2.06
06 74 13 00-0083	VERF Vinyl Ester Resin System (06 74 13 00-0083)		
06 74 13 00-0084	1" VERF Vinyl Ester Resin System (06 74 13 00-0083)		
06 74 13 00-0085	SF 1" Pultruded Fiberglass Grate, 6" Bar Space, 50% Open, VERF Vinyl Ester Resin	26.71	1.61
06 74 13 00-0086	SF 1" Pultruded Fiberglass Grate, 12" Bar Space, 50% Open, VERF Vinyl Ester Resin	23.94	1.61
06 74 13 00-0087	SF 1" Pultruded Fiberglass Grate, 6" Bar Space, 40% Open, VERF Vinyl Ester Resin	29.98	1.61
06 74 13 00-0088	SF 1" Pultruded Fiberglass Grate, 12" Bar Space, 40% Open, VERF Vinyl Ester Resin	34.34	1.61
06 74 13 00-0089	SF 1" Pultruded Fiberglass Grate, 6" Bar Space, 38% Open, VERF Vinyl Ester Resin	20.62	1.61
06 74 13 00-0090	SF 1" Pultruded Fiberglass Grate, 12" Bar Space, 38% Open, VERF Vinyl Ester Resin	18.48	1.61
06 74 13 00-0091	SF 1" Pultruded Fiberglass Grate, 6" Bar Space, 25% Open, VERF Vinyl Ester Resin	23.60	1.61
06 74 13 00-0092	SF 1" Pultruded Fiberglass Grate, 12" Bar Space, 25% Open, VERF Vinyl Ester Resin	21.69	1.61
06 74 13 00-0093	1-1/2" VERF Vinyl Ester Resin System (06 74 13 00-0083)		
06 74 13 00-0094	SF 1-1/2" Pultruded Fiberglass Grate, 6" Bar Space, 50% Open, VERF Vinyl Ester Resin	29.28	1.61
06 74 13 00-0095	SF 1-1/2" Pultruded Fiberglass Grate, 12" Bar Space, 50% Open, VERF Vinyl Ester Resin	26.54	1.61
06 74 13 00-0096	SF 1-1/2" Pultruded Fiberglass Grate, 6" Bar Space, 40% Open, VERF Vinyl Ester Resin	33.40	1.61
06 74 13 00-0097	SF 1-1/2" Pultruded Fiberglass Grate, 12" Bar Space, 40% Open, VERF Vinyl Ester Resin	31.22	1.61
06 74 13 00-0098	SF 1-1/2" Pultruded Fiberglass Grate, 6" Bar Space, 25% Open, VERF Vinyl Ester Resin	26.36	1.61
06 74 13 00-0099	SF 1-1/2" Pultruded Fiberglass Grate, 12" Bar Space, 25% Open, VERF Vinyl Ester Resin	24.32	1.61
06 74 13 00-0100	2" VERF Vinyl Ester Resin System (06 74 13 00-0083)		
06 74 13 00-0101	SF 2" Pultruded Fiberglass Grate, 6" Bar Space, 50% Open, VERF Vinyl Ester Resin	26.13	2.06
06 74 13 00-0102	SF 2" Pultruded Fiberglass Grate, 12" Bar Space, 50% Open, VERF Vinyl Ester Resin	24.15	2.06
06 74 13 00-0103	SF 2" Pultruded Fiberglass Grate, 6" Bar Space, 33% Open, VERF Vinyl Ester Resin	34.81	2.06
06 74 13 00-0104	SF 2" Pultruded Fiberglass Grate, 12" Bar Space, 33% Open, VERF Vinyl Ester Resin	33.83	2.06

06 80 Composite Fabrications (06)**06 82 Composite Trim (06 80)**



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 82 00 00-0001			Fiberglass Castings (06 82)		
06 82 00 00-0002			Fiberglass Angle, Equal Legs (06 82 00 00-0001)		
06 82 00 00-0003	LF		1" x 1" x 1/8" Thick Fiberglass Angle, ISOFR Isophthalic Polyester Resin	7.38	2.69
06 82 00 00-0004	LF		1" x 1" x 1/8" Thick Fiberglass Angle, VERF Vinyl Ester Resin	7.69	2.69
06 82 00 00-0005	LF		3" x 3" x 1/4" Thick Fiberglass Angle, ISOFR Isophthalic Polyester Resin	13.10	3.22
06 82 00 00-0006	LF		3" x 3" x 1/4" Thick Fiberglass Angle, VERF Vinyl Ester Resin	14.34	3.22
06 82 00 00-0007	LF		4" x 4" x 1/4" Thick Fiberglass Angle, ISOFR Isophthalic Polyester Resin	14.42	3.22
06 82 00 00-0008	LF		4" x 4" x 1/4" Thick Fiberglass Angle, VERF Vinyl Ester Resin	15.31	3.22
06 82 00 00-0009	LF		4" x 4" x 3/8" Thick Fiberglass Angle, ISOFR Isophthalic Polyester Resin	16.52	3.22
06 82 00 00-0010	LF		4" x 4" x 3/8" Thick Fiberglass Angle, VERF Vinyl Ester Resin	18.44	3.22
06 82 00 00-0011	LF		6" x 6" x 1/2" Thick Fiberglass Angle, ISOFR Isophthalic Polyester Resin	42.76	4.02
06 82 00 00-0012	LF		6" x 6" x 1/2" Thick Fiberglass Angle, VERF Vinyl Ester Resin	48.95	4.02
06 82 00 00-0013			Fiberglass Channels (06 82 00 00-0001)		
06 82 00 00-0014	LF		3" x 1" x 1/4" Fiberglass Channel, ISOFR Isophthalic Polyester Resin	8.56	4.02
06 82 00 00-0015	LF		3" x 1" x 1/4" Fiberglass Channel, VERF Vinyl Ester Resin	8.87	4.02
06 82 00 00-0016	LF		4" x 1 1/8" x 1/4" Fiberglass Channel, ISOFR Isophthalic Polyester Resin	16.71	4.57
06 82 00 00-0017	LF		4" x 1 1/8" x 1/4" Fiberglass Channel, VERF Vinyl Ester Resin	16.71	4.57
06 82 00 00-0018	LF		6" x 1 11/16" x 3/8" Fiberglass Channel, ISOFR Isophthalic Polyester Resin	25.40	4.57
06 82 00 00-0019	LF		6" x 1 11/16" x 3/8" Fiberglass Channel, VERF Vinyl Ester Resin	29.31	4.57
06 82 00 00-0020	LF		8" x 2 3/16" x 3/8" Fiberglass Channel, ISOFR Isophthalic Polyester Resin	23.94	4.57
06 82 00 00-0021	LF		8" x 2 3/16" x 3/8" Fiberglass Channel, VERF Vinyl Ester Resin	29.06	4.57
06 82 00 00-0022	LF		10" x 2-3/4" x 1/2" Fiberglass Channel, ISOFR Isophthalic Polyester Resin	36.53	6.27
06 82 00 00-0023	LF		10" x 2-3/4" x 1/2" Fiberglass Channel, VERF Vinyl Ester Resin	41.57	6.27
06 82 00 00-0024			Fiberglass Wide Flange Beams (06 82 00 00-0001)		
06 82 00 00-0025	LF		4" x 4" x 1/4" Fiberglass Wide Flange Beam, ISOFR Isophthalic Polyester Resin	23.01	5.37
06 82 00 00-0026	LF		4" x 4" x 1/4" Fiberglass Wide Flange Beam, VERF Vinyl Ester Resin	24.96	5.37
06 82 00 00-0027	LF		6" x 6" x 1/4" Fiberglass Wide Flange Beam, ISOFR Isophthalic Polyester Resin	29.28	6.44
06 82 00 00-0028	LF		6" x 6" x 1/4" Fiberglass Wide Flange Beam, VERF Vinyl Ester Resin	30.21	6.44
06 82 00 00-0029	LF		8" x 8" x 3/8" Fiberglass Wide Flange Beam, ISOFR Isophthalic Polyester Resin	46.31	8.05
06 82 00 00-0030	LF		8" x 8" x 3/8" Fiberglass Wide Flange Beam, VERF Vinyl Ester Resin	57.32	8.05
06 82 00 00-0031	LF		10" x 10" x 1/2" Fiberglass Wide Flange Beam, ISOFR Isophthalic Polyester Resin	99.66	9.84
06 82 00 00-0032	LF		10" x 10" x 1/2" Fiberglass Wide Flange Beam, VERF Vinyl Ester Resin	111.69	9.84
06 82 00 00-0033			Fiberglass Flat Sheet (06 82 00 00-0001)		
			Note: Not to be used for bathroom board.		
06 82 00 00-0034	SF		1/8" Thick Fiberglass Flat Sheet, ISOFR Isophthalic Polyester Resin	19.07	4.57
06 82 00 00-0035	SF		1/8" Thick Fiberglass Flat Sheet, VERF Vinyl Ester Resin	19.84	4.57
06 82 00 00-0036	SF		1/4" Thick Fiberglass Flat Sheet, ISOFR Isophthalic Polyester Resin	29.25	5.37
06 82 00 00-0037	SF		1/4" Thick Fiberglass Flat Sheet, VERF Vinyl Ester Resin	33.34	5.37
06 82 00 00-0038	SF		3/8" Thick Fiberglass Flat Sheet, ISOFR Isophthalic Polyester Resin	39.37	6.44
06 82 00 00-0039	SF		3/8" Thick Fiberglass Flat Sheet, VERF Vinyl Ester Resin	45.51	6.44
06 82 00 00-0040	SF		1/2" Thick Fiberglass Flat Sheet, ISOFR Isophthalic Polyester Resin	52.85	8.05
06 82 00 00-0041	SF		1/2" Thick Fiberglass Flat Sheet, VERF Vinyl Ester Resin	62.24	8.05
06 82 00 00-0042			Fiberglass Bars (06 82 00 00-0001)		
06 82 00 00-0043			Square Bars (06 82 00 00-0042)		
06 82 00 00-0044	LF		1" Square Fiberglass Solid Square Bar, ISO Isophthalic Polyester Resin	11.53	3.22
06 82 00 00-0045	LF		1-1/4" Square Fiberglass Solid Square Bar, ISO Isophthalic Polyester Resin	16.16	4.74
06 82 00 00-0046	LF		1-1/2" Square Fiberglass Solid Square Bar, ISOFR Isophthalic Polyester Resin	18.87	6.27
06 82 00 00-0047			Round Bars (06 82 00 00-0042)		
06 82 00 00-0048	LF		1/4" Diameter Fiberglass Solid Round Bar, ISOFR Isophthalic Polyester Resin	7.66	2.69
06 82 00 00-0049	LF		1" Diameter Fiberglass Solid Round Bar, ISOFR Isophthalic Polyester Resin	15.74	4.02
06 82 00 00-0050	LF		1" Diameter Fiberglass Solid Round Bar, VERF Vinyl Ester Resin	17.61	4.02
06 82 00 00-0051	LF		1-1/4" Diameter Fiberglass Solid Round Bar, ISOFR Isophthalic Polyester Resin	22.82	4.02
06 82 00 00-0052	LF		1-1/2" Diameter Fiberglass Solid Round Bar, ISOFR Isophthalic Polyester Resin	27.18	4.57
06 82 00 00-0053			Fiberglass Tubes (06 82 00 00-0001)		
06 82 00 00-0054			Square Tube (06 82 00 00-0053)		
06 82 00 00-0055	LF		1" x 1" x 1/8" Thick Fiberglass Square Tube, ISOFR Isophthalic Polyester Resin	8.50	2.69
06 82 00 00-0056	LF		1" x 1" x 1/8" Thick Fiberglass Square Tube, VERF Vinyl Ester Resin	9.10	2.69
06 82 00 00-0057	LF		2" x 2" x 1/8" Thick Fiberglass Square Tube, ISOFR Isophthalic Polyester Resin	12.27	3.22
06 82 00 00-0058	LF		2" x 2" x 1/8" Thick Fiberglass Square Tube, VERF Vinyl Ester Resin	13.33	3.22
06 82 00 00-0059	LF		3" x 3" x 1/4" Thick Fiberglass Square Tube, ISOFR Isophthalic Polyester Resin	22.59	4.02
06 82 00 00-0060	LF		3" x 3" x 1/4" Thick Fiberglass Square Tube, VERF Vinyl Ester Resin	25.05	4.02
06 82 00 00-0061	LF		4" x 4" x 1/4" Thick Fiberglass Square Tube, ISOFR Isophthalic Polyester Resin	26.62	4.83
06 82 00 00-0062	LF		4" x 4" x 1/4" Thick Fiberglass Square Tube, VERF Vinyl Ester Resin	33.46	4.83

06 Wood, Plastics, and Composites**06 80 Composite Fabrications****06 82 Composite Trim**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 82 00 00-0063			Round Tube (06 82 00 00-0053)		
06 82 00 00-0064	LF		1" Diameter x 1/8" Thick Fiberglass Round Tube, ISOFR Isophthalic Polyester Resin	8.18	2.69
06 82 00 00-0065	LF		1" Diameter x 1/8" Thick Fiberglass Round Tube, VERF Vinyl Ester Resin.....	8.46	2.69
06 82 00 00-0066	LF		2" Diameter x 1/4" Thick Fiberglass Round Tube, ISOFR Isophthalic Polyester Resin	14.63	3.22
06 82 00 00-0067	LF		2" Diameter x 1/4" Thick Fiberglass Round Tube, VERF Vinyl Ester Resin.....	15.53	3.22
06 82 00 00-0068			Fiberglass Threaded Rods (06 82 00 00-0001)		
06 82 00 00-0069	LF		3/8" Diameter Fiberglass Threaded Rod, VERF Vinyl Ester Resin	10.43	2.06
06 82 00 00-0070	LF		1/2" Diameter Fiberglass Threaded Rod, VERF Vinyl Ester Resin	11.05	2.06
06 82 00 00-0071	LF		5/8" Diameter Fiberglass Threaded Rod, VERF Vinyl Ester Resin	12.67	2.32
06 82 00 00-0072	LF		3/4" Diameter Fiberglass Threaded Rod, VERF Vinyl Ester Resin.....	13.88	2.32
06 82 00 00-0073	LF		1" Diameter Fiberglass Threaded Rod, VERF Vinyl Ester Resin.....	15.25	2.32
06 82 00 00-0074			Grating Support Legs, VEFR Resin (06 82 00 00-0001)		
06 82 00 00-0075	EA		Grating Support Legs, Fixed Height With Base Miscellaneous Fiberglass Castings	20.50	
06 82 00 00-0076	EA		Grate Support Legs Fixed Height Without Base Miscellaneous Fiberglass Castings	8.79	
06 82 00 00-0077	EA		Grating Support Legs, Adjustable To 60" Miscellaneous Fiberglass Castings.....	33.04	
06 82 00 00-0078			Fiberglass Netting (06 82 00 00-0001)		
06 82 00 00-0079	SF		1/2" x 1/2" Mesh, Clear Flexible Fiberglass Netting	0.62	0.29
06 82 00 00-0080	SF		1/2" x 2" Mesh, Clear Flexible Fiberglass Netting	0.62	0.29
06 82 00 00-0081	SF		3/4" x 5/8" Mesh, Clear Flexible Fiberglass Netting	0.62	0.29
06 82 00 00-0082	SF		7/8" x 7/8" Mesh, Clear Flexible Fiberglass Netting	0.62	0.29
06 82 00 00-0083	SF		1" x 1" Mesh, Clear Flexible Fiberglass Netting	0.62	0.29
06 82 00 00-0084	SF		1/2" x 1/2" Mesh, Green Flexible Fiberglass Netting.....	0.61	0.29
06 82 00 00-0085	SF		1/2" x 2" Mesh, Green Flexible Fiberglass Netting.....	0.61	0.29
06 82 00 00-0086	SF		3/4" x 5/8" Mesh, Green Flexible Fiberglass Netting.....	0.61	0.29
06 82 00 00-0087	SF		7/8" x 7/8" Mesh, Green Flexible Fiberglass Netting.....	0.61	0.29
06 82 00 00-0088	SF		1" x 1" Mesh, Green Flexible Fiberglass Netting.....	0.61	0.29
06 82 00 00-0089			Fiberglass Stair Treads (06 82)		
06 82 00 00-0090			Fiberglass Stair Treads (06 82 00 00-0089)		
06 82 00 00-0091			10-1/2" Deep Isophthalic Resin System (06 82 00 00-0090)		
06 82 00 00-0092	EA		1" Fiberglass Stair Tread, 10-1/2" Deep x 24" Wide Isophthalic Resin System	74.82	14.05
06 82 00 00-0093	EA		1" Fiberglass Stair Tread, 10-1/2" Deep x 30" Wide Isophthalic Resin System	86.53	14.05
06 82 00 00-0094	EA		1" Fiberglass Stair Tread, 10-1/2" Deep x 36" Wide Isophthalic Resin System	98.25	14.05
06 82 00 00-0095	EA		1" Fiberglass Stair Tread, 10-1/2" Deep x 42" Wide Isophthalic Resin System	109.96	14.05
06 82 00 00-0096	EA		1-1/2" Fiberglass Stair Tread, 10-1/2" Deep x 24" Wide Isophthalic Resin System	81.85	14.05
06 82 00 00-0097	EA		1-1/2" Fiberglass Stair Tread, 10-1/2" Deep x 30" Wide Isophthalic Resin System	95.32	14.05
06 82 00 00-0098	EA		1-1/2" Fiberglass Stair Tread, 10-1/2" Deep x 36" Wide Isophthalic Resin System	108.79	14.05
06 82 00 00-0099	EA		1-1/2" Fiberglass Stair Tread, 10-1/2" Deep x 42" Wide Isophthalic Resin System	122.26	14.05
06 82 00 00-0100	EA		2" Fiberglass Stair Tread, 10-1/2" Deep x 24" Wide Isophthalic Resin System	92.63	14.05
06 82 00 00-0101	EA		2" Fiberglass Stair Tread, 10-1/2" Deep x 30" Wide Isophthalic Resin System	108.79	14.05
06 82 00 00-0102	EA		2" Fiberglass Stair Tread, 10-1/2" Deep x 36" Wide Isophthalic Resin System	124.96	14.05
06 82 00 00-0103	EA		2" Fiberglass Stair Tread, 10-1/2" Deep x 42" Wide Isophthalic Resin System	141.13	14.05
06 82 00 00-0104			12" Deep Isophthalic Resin System (06 82 00 00-0090)		
06 82 00 00-0105	EA		1" Fiberglass Stair Tread, 12" Deep x 24" Wide Isophthalic Resin System	81.52	14.05
06 82 00 00-0106	EA		1" Fiberglass Stair Tread, 12" Deep x 30" Wide Isophthalic Resin System	94.90	14.05
06 82 00 00-0107	EA		1" Fiberglass Stair Tread, 12" Deep x 36" Wide Isophthalic Resin System	108.30	14.05
06 82 00 00-0108	EA		1" Fiberglass Stair Tread, 12" Deep x 42" Wide Isophthalic Resin System	121.68	14.05
06 82 00 00-0109	EA		1-1/2" Fiberglass Stair Tread, 12" Deep x 24" Wide Isophthalic Resin System	89.55	14.05
06 82 00 00-0110	EA		1-1/2" Fiberglass Stair Tread, 12" Deep x 30" Wide Isophthalic Resin System	104.95	14.05
06 82 00 00-0111	EA		1-1/2" Fiberglass Stair Tread, 12" Deep x 36" Wide Isophthalic Resin System	120.34	14.05
06 82 00 00-0112	EA		1-1/2" Fiberglass Stair Tread, 12" Deep x 42" Wide Isophthalic Resin System	135.74	14.05
06 82 00 00-0113	EA		2" Fiberglass Stair Tread, 12" Deep x 24" Wide Isophthalic Resin System	101.87	14.05
06 82 00 00-0114	EA		2" Fiberglass Stair Tread, 12" Deep x 30" Wide Isophthalic Resin System	120.34	14.05
06 82 00 00-0115	EA		2" Fiberglass Stair Tread, 12" Deep x 36" Wide Isophthalic Resin System	138.82	14.05
06 82 00 00-0116	EA		2" Fiberglass Stair Tread, 12" Deep x 42" Wide Isophthalic Resin System	157.30	14.05
06 82 00 00-0117			Other Fiberglass (06 82)		
06 82 00 00-0118			Fiberglass Splash Blocks (06 82 00 00-0117)		
06 82 00 00-0119	EA		Standard Size Fiberglass Splash Block	11.45	2.89
06 83			Composite Paneling (06 80)		
06 83 00 00-0001			Fiberglass Reinforced Polyester (FRP) Panels (06 83)		
			Note: Includes adhesive and trim.		
06 83 00 00-0002	SF		Fiberglass Reinforced Polyester (FRP) Paneling Including Adhesive And Trim	4.01	1.45



Wood, Plastics, and Composites	06	06
Composite Fabrications	06 80	
Composite Paneling	06 83	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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END OF SECTION 06

06

06 Wood, Plastics, and Composites

06 80 Composite Fabrications

06 83 Composite Paneling



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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07 Thermal And Moisture Protection

07 01 Operation And Maintenance Of Thermal And Moisture Protection⁽⁰⁷⁾

07 01 50 Maintenance Of Membrane Roofing^(07 01)

07 01 50 19 Preparation For Re-Roofing^(07 01 50)

07 01 50 19-0001 Preparation For Re-Roofing^(07 01 50 19)

07 01 50 19-0002	SQ	Remove Pea Gravel Ballast From Roof, Vacuum And Disposal.....	19.34
07 01 50 19-0003	SQ	Remove Gravel Ballast From Roof, Vacuum And Disposal	32.23

07 01 50 91 Roofing Restoration^(07 01 50)

07 01 50 91-0001 Pressure Wash Membrane Roofing^(07 01 50 91)

07 01 50 91-0002	SF	Up To 2,500 PSI, Pressure Wash Membrane Roofing	0.13
		<i>For Up To 100, Add</i>	<i>0.10</i>
		<i>For >100 To 250, Add</i>	<i>0.05</i>
		<i>For >250 To 500, Add</i>	<i>0.02</i>
		<i>For >5,000 To 10,000, Deduct</i>	<i>-0.01</i>
		<i>For >10,000 To 15,000, Deduct</i>	<i>-0.01</i>
		<i>For >15,000 To 30,000, Deduct</i>	<i>-0.02</i>
		<i>For >30,000, Deduct</i>	<i>-0.03</i>

07 05 Common Work Results For Thermal And Moisture Protection⁽⁰⁷⁾

07 05 13 Small Quantities And Repairs For Roofing^(07 05)

07 05 13 00-0001 Small Quantity Labor Set-Up Charge^(07 05 13)

Note: For use with all roofing tasks where the total roof quantity is 4 squares or less. This adjustment is to allow for minimum charge for labor. Excludes material cost or labor to install material.

07 05 13 00-0002	EA	Labor Crew Up-Charge For 1 SQ Or Less.....	917.93
07 05 13 00-0003	EA	Labor Crew Up-Charge For >1 To 2 SQ	686.79
07 05 13 00-0004	EA	Labor Crew Up-Charge For >2 To 3 SQ	458.96
07 05 13 00-0005	EA	Labor Crew Up-Charge For >3 To 4 SQ	228.93

07 05 13 00-0006 Roof Repair^(07 05 13)

Note: Less than 100 SF areas.

07 05 13 00-0007	SF	Roof Repair, Built-Up Roofing, Up To 10 SF	18.51
07 05 13 00-0008	SF	Roof Repair, Built-Up Roofing, >10 To 25 SF	16.68
07 05 13 00-0009	SF	Roof Repair, Built-Up Roofing, >25 To 50 SF	15.22
07 05 13 00-0010	SF	Roof Repair, Built-Up Roofing, >50 To 100 SF	14.15
07 05 13 00-0011	SF	Roof Repair, Membrane Roofing, Up To 10 SF	21.17
07 05 13 00-0012	SF	Roof Repair, Membrane Roofing, >10 To 25 SF	19.34
07 05 13 00-0013	SF	Roof Repair, Membrane Roofing, >25 To 50 SF	17.88
07 05 13 00-0014	SF	Roof Repair, Membrane Roofing, >50 To 100 SF	16.82
07 05 13 00-0015	SF	Roof Repair, Shingle Roofing, Up To 10 SF	15.86
07 05 13 00-0016	SF	Roof Repair, Shingle Roofing, >10 To 25 SF	14.29
07 05 13 00-0017	SF	Roof Repair, Shingle Roofing, >25 To 50 SF	13.10
07 05 13 00-0018	SF	Roof Repair, Shingle Roofing, >50 To 100 SF	12.30
07 05 13 00-0019	LF	Heat Weld Roofing Seams For Repair	5.14

07 05 13 00-0020 Emergency Roof Patch^(07 05 13)

Note: 4 Hour response time.

07 05 13 00-0021	EA	Granule Emergency Roof Patch Cover 16 SF	76.14
07 05 13 00-0022	EA	Mobilize For Emergency Roof Patching.....	305.00

07 05 13 00-0023 Adhesives^(07 05 13)

Note: For repair of seams.

07 05 13 00-0024 Mastic Sealer^(07 05 13 00-0023)

07 05 13 00-0025 Applied At Joints Only^(07 05 13 00-0024)

07 05 13 00-0026	LF	Mastic Sealer, 1/4" Bead At Joint.....	3.05	1.30
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07 10 Dampproofing And Waterproofing⁽⁰⁷⁾

Note: The following tasks are for application to vertical (walls and foundations) surfaces. For horizontal (flat) surfaces apply the appropriate modifier to reduce the labor cost. Waterproofing is the treatment of a surface or structure to PREVENT the passage of water under hydrostatic pressure. Dampproofing is the treatment of a surface or structure to RESIST the passage of water in the absence of hydrostatic pressure.

07 Thermal And Moisture Protection**07 10 Dampproofing And Waterproofing****07 11 Dampproofing**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 11 Dampproofing ^(07 10)		
07 11 13 Bituminous Dampproofing ^(07 11)		
07 11 13 00-0001 Fibrous Asphalt Dampproofing, Brush, Roller Or Spray ^(07 11 13)		
07 11 13 00-0002 CSF 1 Coat, Fibrous Asphalt Dampproofing, Brush, Roller Or Spray	108.08	
07 11 13 00-0003 CSF 2 Coats, Fibrous Asphalt Dampproofing, Brush, Roller Or Spray	169.18	
07 11 13 00-0004 Fibrous Asphalt Dampproofing, Troweled On ^(07 11 13)		
07 11 13 00-0005 CSF Primer And 1 Coat, Fibrous Asphalt Dampproofing, Troweled On.....	183.47	
07 11 13 00-0006 CSF Primer And 2 Coats, Fibrous Asphalt Dampproofing, Troweled On.....	280.98	
07 11 13 00-0007 Asphaltic Paint Dampproofing ^(07 11 13)		
07 11 13 00-0008 CSF 1 Coat, Asphaltic Paint Dampproofing, Brushed On	87.90	
07 11 13 00-0009 CSF 2 Coats, Asphaltic Paint Dampproofing, Brushed On	162.06	
07 11 19 Sheet Dampproofing ^(07 11)		
07 11 19 00-0001 Neoprene ^(07 11 19)		
07 11 19 00-0002 SF 1/16" Patch Neoprene Roof (5-20 SF)	25.27	
07 13 Sheet Waterproofing ^(07 10)		
07 13 13 Bituminous Sheet Waterproofing ^(07 13)		
07 13 13 00-0001 15 LB Asphalt Saturated Organic Felt Sheet Waterproofing, Hot-Mopped ^(07 13 13)		
07 13 13 00-0002 CSF 1 Ply, 15 LB Asphalt Saturated Organic Felt Sheet Waterproofing, Hot-Mopped	200.17	79.69
For 30 LB Felt, Add	30.59	
For Application To Horizontal Surfaces, Deduct	-23.91	
07 13 13 00-0003 CSF 2 Ply, 15 LB Asphalt Saturated Organic Felt Sheet Waterproofing, Hot-Mopped	243.48	89.65
For 30 LB Felt, Add	48.14	
For Application To Horizontal Surfaces, Deduct	-26.90	
07 13 13 00-0004 CSF 3 Ply, 15 LB Asphalt Saturated Organic Felt Sheet Waterproofing, Hot-Mopped	286.79	99.61
For 30 LB Felt, Add	65.68	
For Application To Horizontal Surfaces, Deduct	-29.88	
07 13 13 00-0005 CSF 4 Ply, 15 LB Asphalt Saturated Organic Felt Sheet Waterproofing, Hot-Mopped	330.10	109.57
For 30 LB Felt, Add	83.22	
For Application To Horizontal Surfaces, Deduct	-32.87	
07 13 13 00-0006 CSF 5 Ply, 15 LB Asphalt Saturated Organic Felt Sheet Waterproofing, Hot-Mopped	373.42	119.54
For 30 LB Felt, Add	100.77	
For Application To Horizontal Surfaces, Deduct	-35.86	
07 13 13 00-0007 Asphalt Coated Protective Board ^(07 13 13)		
07 13 13 00-0008 CSF 1/8" Asphalt Coated Protective Board.....	188.26	73.55
For Application To Horizontal Surfaces, Deduct	-24.53	
07 13 13 00-0009 CSF 1/4" Asphalt Coated Protective Board.....	263.28	76.37
For Application To Horizontal Surfaces, Deduct	-25.46	
07 13 13 00-0010 CSF 3/8" Asphalt Coated Protective Board.....	353.79	79.58
For Application To Horizontal Surfaces, Deduct	-26.52	
07 13 13 00-0011 CSF 1/2" Asphalt Coated Protective Board.....	398.93	82.79
For Application To Horizontal Surfaces, Deduct	-27.60	
07 13 53 Elastomeric Sheet Waterproofing ^(07 13)		
07 13 53 00-0001 Rubberized Membrane Sheet ^(07 13 53)		
07 13 53 00-0002 SF 215 Mil Rubberized Asphalt Membrane Sheet, Vertical Surface	5.54	0.76
For Floor Surfaces, Deduct	-0.77	
07 13 53 00-0003 Ethylene Propylene Diene Monomer (EPDM) ^(07 13 53)		
07 13 53 00-0004 CSF 45 Mil Ethylene Propylene Diene Monomer (EPDM) Membrane	385.68	106.92
For Application To Horizontal Surfaces, Deduct	-32.07	
07 13 53 00-0005 CSF 60 Mil Ethylene Propylene Diene Monomer (EPDM) Membrane	465.01	106.92
For Application To Horizontal Surfaces, Deduct	-32.07	
07 13 53 00-0006 Butyl Sheet Waterproofing ^(07 13 53)		
07 13 53 00-0007 CSF 1/32" Butyl Sheet Waterproofing.....	72.88	26.73
For Joint Taping, Add	9.80	
For Each Additional Ply, Add	53.69	
For Application To Horizontal Surfaces, Deduct	-4.02	
07 13 53 00-0008 CSF 1/16" Butyl Sheet Waterproofing.....	87.55	26.73
For Joint Taping, Add	10.54	
For Each Additional Ply, Add	63.96	
For Application To Horizontal Surfaces, Deduct	-4.02	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 13 53 00-0009 Butyl With Nylon (07 13 53)		
07 13 53 00-0010 CSF 1/32" Butyl Elastomeric Waterproofing With Nylon	81.26	26.73
<i>For Joint Taping, Add</i>	10.22	
<i>For Each Additional Ply, Add</i>	59.56	
<i>For Application To Horizontal Surfaces, Deduct</i>	-4.02	
07 13 53 00-0011 CSF 1/16" Butyl Elastomeric Waterproofing With Nylon	90.69	26.73
<i>For Joint Taping, Add</i>	10.69	
<i>For Each Additional Ply, Add</i>	66.16	
<i>For Application To Horizontal Surfaces, Deduct</i>	-4.02	
07 13 53 00-0012 Neoprene Sheet Waterproofing (07 13 53)		
07 13 53 00-0013 CSF 1/32" Neoprene Sheet Waterproofing	129.51	26.73
<i>For Joint Taping, Add</i>	12.63	
<i>For Each Additional Ply, Add</i>	93.34	
<i>For Application To Horizontal Surfaces, Deduct</i>	-4.02	
07 13 53 00-0014 CSF 1/16" Neoprene Sheet Waterproofing	191.94	26.73
<i>For Joint Taping, Add</i>	15.76	
<i>For Each Additional Ply, Add</i>	137.04	
<i>For Application To Horizontal Surfaces, Deduct</i>	-4.02	
07 13 53 00-0015 Neoprene With Nylon (07 13 53)		
07 13 53 00-0016 CSF 1/32" Neoprene Elastomeric Waterproofing With Nylon	136.02	26.73
<i>For Joint Taping, Add</i>	12.96	
<i>For Each Additional Ply, Add</i>	97.89	
<i>For Application To Horizontal Surfaces, Deduct</i>	-4.02	
07 13 53 00-0017 CSF 1/16" Neoprene Elastomeric Waterproofing With Nylon	202.35	26.73
<i>For Joint Taping, Add</i>	16.28	
<i>For Each Additional Ply, Add</i>	144.32	
<i>For Application To Horizontal Surfaces, Deduct</i>	-4.02	
07 13 53 00-0018 Plastic Vapor Barrier (Polyethylene) (07 13 53)		
07 13 53 00-0019 CSF 4 Mil Polyethylene Vapor Barrier	28.02	11.03
<i>For Joint Taping, Add</i>	7.02	
<i>For Each Additional Ply, Add</i>	22.06	
<i>For Application To Horizontal Surfaces, Deduct</i>	-3.66	
07 13 53 00-0020 CSF 6 Mil Polyethylene Vapor Barrier	29.68	11.03
<i>For Joint Taping, Add</i>	7.10	
<i>For Each Additional Ply, Add</i>	23.22	
<i>For Application To Horizontal Surfaces, Deduct</i>	-3.66	
07 13 53 00-0021 CSF 10 Mil Polyethylene Vapor Barrier	41.79	11.03
<i>For Joint Taping, Add</i>	7.70	
<i>For Each Additional Ply, Add</i>	31.69	
<i>For Application To Horizontal Surfaces, Deduct</i>	-3.66	
07 13 53 00-0022 CSF 60 Mil Polyethylene Vapor Barrier With Bentonite	99.57	11.03
Note: Includes seam tape, liquid mastic, anchors and termination bar.		
<i>For Each Additional Ply, Add</i>	72.41	
<i>For Application To Horizontal Surfaces, Deduct</i>	-4.07	
07 13 53 00-0023 Plastic Vapor Barrier (PVC) (07 13 53)		
07 13 53 00-0024 CSF 10 Mil Polyvinyl Chloride (PVC) Vapor Barrier	39.73	12.21
<i>For Joint Taping, Add</i>	7.60	
<i>For Each Additional Ply, Add</i>	30.25	
<i>For Application To Horizontal Surfaces, Deduct</i>	-3.66	
07 13 53 00-0025 CSF 20 Mil Polyvinyl Chloride (PVC) Vapor Barrier	51.79	12.66
<i>For Joint Taping, Add</i>	8.42	
<i>For Each Additional Ply, Add</i>	38.79	
<i>For Application To Horizontal Surfaces, Deduct</i>	-3.80	
07 13 53 00-0026 CSF 30 Mil Polyvinyl Chloride (PVC) Vapor Barrier	67.99	13.10
<i>For Joint Taping, Add</i>	9.43	
<i>For Each Additional Ply, Add</i>	50.21	
<i>For Application To Horizontal Surfaces, Deduct</i>	-3.93	
07 13 53 00-0027 Vinyl Plastic Vapor Barrier (07 13 53)		
07 13 53 00-0028 CSF Tu-Tuf 4, 4 Mil Vinyl Plastic Vapor Barrier With Fiberglass Insulation At Joints	33.41	11.30
07 14 Fluid-Applied Waterproofing (07 10)		
07 14 13 Hot Fluid-Applied Rubberized Asphalt Waterproofing (07 14)		
07 14 13 00-0001 Hot Applied Rubberized Asphalt Waterproofing Coating (07 14 13)		
07 14 13 00-0002 SF 90 Mil Hot Applied Rubberized Asphalt Waterproofing Coating, Vertical Surface	1.53	
Note: Includes primer.		
<i>For Application To Horizontal Surfaces, Deduct</i>	-0.15	
<i>For Reinforcing Fabric, Add</i>	0.32	

07 Thermal And Moisture Protection**07 10 Dampproofing And Waterproofing****07 14 Fluid-Applied Waterproofing**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 14 13 00-0003 SF 125 Mil Hot Applied Rubberized Asphalt Waterproofing Coating, Vertical Surface.....	1.75	
Note: Includes primer.		
For Application To Horizontal Surfaces, Deduct	-0.16	
For Reinforcing Fabric, Add	0.32	
07 14 16 Cold Fluid-Applied Waterproofing (07 14)		
07 14 16 00-0001 Fluid Applied Rubber Based Polyurethane (07 14 16)		
07 14 16 00-0002 SF 60 Mil Thick, Fluid Applied, Rubber Base, Polyurethane Applied In 2 Coats.....	2.91	
For Application To Horizontal Surfaces, Deduct	-0.32	
07 14 16 00-0003 SF 90 Mil Thick, Fluid Applied, Rubber Base, Polyurethane Applied In 2 Coats.....	3.39	
For Application To Horizontal Surfaces, Deduct	-0.34	
07 14 16 00-0004 SF 120 Mil Thick, Fluid Applied, Rubber Base, Polyurethane Applied In 2 Coats.....	3.91	
For Application To Horizontal Surfaces, Deduct	-0.36	
07 14 16 00-0005 One Part Solution Of Chlorosulfonated Polyethylene Polymer (07 14 16)		
07 14 16 00-0006 SF Chlorosulfonated Polyethylene Polymer 1 Part Solution, 15 Mil, Finish Coat.....	1.85	
07 14 16 00-0007 Copolymer Compound (07 14 16)		
07 14 16 00-0008 SF Fluid Elastomeric Copolymer Compound For Slabs 32 Mil.....	2.93	
07 14 16 00-0009 Fluid Applied Neoprene (07 14 16)		
07 14 16 00-0010 CSF Fluid Neoprene, 1/8" Fiberglass Reinforced.....	354.96	
For Application To Horizontal Surfaces, Deduct	-38.95	
07 14 16 00-0011 CSF Fluid Neoprene, 50 Mil, 4 Coats.....	753.58	
For Application To Horizontal Surfaces, Deduct	-76.41	
07 14 16 00-0012 CSF Fluid Neoprene, 90 Mil, 4 Coats.....	1,252.09	
For Application To Horizontal Surfaces, Deduct	-114.56	
07 16 Cementitious And Reactive Waterproofing (07 10)		
07 16 13 Polymer Modified Cement Waterproofing (07 16)		
07 16 13 00-0001 SF Polymer Modified Cementitious Waterproofing Assembly, 2 Coats.....	3.52	
Note: As manufactured by Thoro Consumer Products. Includes Thoroseal, Acryl 60, acrylic waterproof coating and white pigmented acrylic copolymer primer.		
07 16 16 Crystalline Waterproofing (07 16)		
07 16 16 00-0001 SF Crystalline Cementitious Waterproofing, 2 Coats (Xypex Concentrate).....	4.07	
07 16 19 Metal Oxide Waterproofing (07 16)		
07 16 19 00-0001 Metallic Oxide Waterproofing (07 16 19)		
Note: Includes one broom applied bond coat and three brush applied waterproof coats. Excludes concrete repairs to subbase and final protective concrete surface coat. See CSI section 03 54 16 00-0001 for self leveling underlayment for concrete floors, 09 24 33 00-0001 for cement parging.		
07 16 19 00-0002 CSF Catalyzed Metallic Waterproofing Treatment, Metal Oxide Waterproofing (Euclid Iron Waterpeller).....	351.05	
For Application To Horizontal Surfaces, Deduct	-46.39	
07 17 Bentonite Waterproofing (07 10)		
07 17 13 Bentonite Panel Waterproofing (07 17)		
07 17 13 00-0001 CSF 3/16" Bentonite Waterproofing Panels.....	341.13	87.75
For Application To Horizontal Surfaces, Deduct	-26.33	
07 17 13 00-0002 CSF 1/4" Bentonite Waterproofing Panels.....	305.70	92.71
For Application To Horizontal Surfaces, Deduct	-28.50	
07 17 13 00-0003 CSF 5/8" Bentonite Waterproofing Panels.....	435.16	96.69
For Application To Horizontal Surfaces, Deduct	-29.00	
07 17 13 00-0004 CSF 3/8" Granular Bentonite, Troweled.....	350.01	80.42
For Application To Horizontal Surfaces, Deduct	-24.12	
07 19 Water Repellents (07 10)		
07 19 13 Acrylic Sealer (07 19)		
Note: Per coat.		
07 19 13 00-0001 SF Acrylic Sealer, Spray On Concrete.....	1.65	
07 19 13 00-0002 SF Acrylic Sealer, Spray On Concrete Block/Brick.....	1.97	
07 19 13 00-0003 SF Acrylic Sealer, Spray On Stone.....	2.16	
07 19 16 Silane Water Repellents (07 19)		
07 19 16 00-0001 Silane Concrete Sealer (07 19 16)		
07 19 16 00-0002 SF Spray On Concrete, Water Based, Silane Penetrating Water Repellent Sealer (Specchem SpecSilane 40 WB).....	0.40	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 19 16 00-0003 SF Spray On Concrete Block/Brick, Water Based, Silane Penetrating Water Repellent Sealer (Specchem SpecSilane 40 WB)	0.60	
07 19 16 00-0004 Silane/Siloxane Concrete Sealer (07 19 16)		
07 19 16 00-0005 SF Spray On Concrete, Solvent Based, Silane/Siloxane Concrete Penetrating Water Repellent Sealer (Anti-Hydro Aridox 40)	0.71	
Note: 40% silane, alcohol based.		
07 19 16 00-0006 SF Spray On Concrete Block/Brick, Solvent Based, Silane/Siloxane Penetrating Water Repellent Sealer (Anti-Hydro Aridox 40)	1.04	
Note: 40% silane, alcohol based.		
07 19 16 00-0007 SF Spray On Concrete, Water-Based, Silane/Siloxane Penetrating Water Repellent Sealer (Prosoco Saltguard WB)	0.30	
Note: 200 SF/GAL		
07 19 16 00-0008 SF Spray On Concrete Block/Masonry, Water-Based, Silane/Siloxane Penetrating Water Repellent Sealer (Prosoco Saltguard WB)	0.44	

07 20 Thermal Protection (07)

07 21 Thermal Insulation (07 20)

07 21 13 Board Insulation (07 21)

Note: Types are stock sizes, mastic applied. See CSI section 07 22 16 00-0001 for rigid insulation for roofs.

07 21 13 13 Foam Board Insulation (07 21 13)

07 21 13 13-0001 Foam Glass (Cellular Glass), Foam Board Insulation (07 21 13 13)

07 21 13 13-0002 SF 1" Thick, R3.44, Foam Glass (Cellular Glass), Foam Board Insulation	2.37	0.31
<i>For Horizontal Surface Application, Deduct</i>		
<i>For Vapor Barrier, Integral With Insulation, Add</i>		
<i>For Mechanically Fastened To Wood Or Steel, Deduct</i>		
<i>For Mechanically Fastened To Concrete, Add</i>		
<i>For Mechanically Fastened To Gypsum, Add</i>		
07 21 13 13-0003 SF 1-1/2" Thick, R5.16, Foam Glass (Cellular Glass), Foam Board Insulation	3.26	0.31
<i>For Horizontal Surface Application, Deduct</i>		
<i>For Vapor Barrier, Integral With Insulation, Add</i>		
<i>For Mechanically Fastened To Wood Or Steel, Deduct</i>		
<i>For Mechanically Fastened To Concrete, Add</i>		
<i>For Mechanically Fastened To Gypsum, Add</i>		
07 21 13 13-0004 SF 2" Thick, R6.88, Foam Glass (Cellular Glass), Foam Board Insulation	3.87	0.32
<i>For Horizontal Surface Application, Deduct</i>		
<i>For Vapor Barrier, Integral With Insulation, Add</i>		
<i>For Mechanically Fastened To Wood Or Steel, Deduct</i>		
<i>For Mechanically Fastened To Concrete, Add</i>		
<i>For Mechanically Fastened To Gypsum, Add</i>		
07 21 13 13-0005 SF 2-3/4" Thick, R8.17, Foam Glass (Cellular Glass), Foam Board Insulation	5.07	0.33
<i>For Horizontal Surface Application, Deduct</i>		
<i>For Vapor Barrier, Integral With Insulation, Add</i>		
<i>For Mechanically Fastened To Wood Or Steel, Deduct</i>		
<i>For Mechanically Fastened To Concrete, Add</i>		
<i>For Mechanically Fastened To Gypsum, Add</i>		

07 21 13 13-0006 Expanded Polystyrene, Foam Board Insulation (07 21 13 13)

07 21 13 13-0007 SF 3/8" Thick, R1.44, Molded Expanded Polystyrene, Foam Board Insulation (MEPS)	1.09	0.31
<i>For Horizontal Surface Application, Deduct</i>		
<i>For Vapor Barrier, Integral With Insulation, Add</i>		
<i>For Mechanically Fastened To Wood Or Steel, Deduct</i>		
<i>For Mechanically Fastened To Concrete, Add</i>		
<i>For Mechanically Fastened To Gypsum, Add</i>		
07 21 13 13-0008 SF 1/2" Thick, R1.93, Molded Expanded Polystyrene, Foam Board Insulation (MEPS)	1.14	0.31
<i>For Horizontal Surface Application, Deduct</i>		
<i>For Vapor Barrier, Integral With Insulation, Add</i>		
<i>For Mechanically Fastened To Wood Or Steel, Deduct</i>		
<i>For Mechanically Fastened To Concrete, Add</i>		
<i>For Mechanically Fastened To Gypsum, Add</i>		
07 21 13 13-0009 SF 3/4" Thick, R2.89, Molded Expanded Polystyrene, Foam Board Insulation (MEPS)	1.29	0.31
<i>For Horizontal Surface Application, Deduct</i>		
<i>For Vapor Barrier, Integral With Insulation, Add</i>		
<i>For Mechanically Fastened To Wood Or Steel, Deduct</i>		
<i>For Mechanically Fastened To Concrete, Add</i>		
<i>For Mechanically Fastened To Gypsum, Add</i>		
07 21 13 13-0010 SF 1" Thick, R3.85, Molded Expanded Polystyrene, Foam Board Insulation (MEPS)	1.44	0.31
<i>For Horizontal Surface Application, Deduct</i>		
<i>For Vapor Barrier, Integral With Insulation, Add</i>		
<i>For Mechanically Fastened To Wood Or Steel, Deduct</i>		
<i>For Mechanically Fastened To Concrete, Add</i>		
<i>For Mechanically Fastened To Gypsum, Add</i>		
07 21 13 13-0011 SF 2" Thick, R7.70, Molded Expanded Polystyrene, Foam Board Insulation (MEPS)	2.03	0.32
<i>For Horizontal Surface Application, Deduct</i>		
<i>For Vapor Barrier, Integral With Insulation, Add</i>		
<i>For Mechanically Fastened To Wood Or Steel, Deduct</i>		
<i>For Mechanically Fastened To Concrete, Add</i>		
<i>For Mechanically Fastened To Gypsum, Add</i>		

07 Thermal And Moisture Protection**07 20 Thermal Protection****07 21 Thermal Insulation**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 21 13 13-0012	SF		3" Thick, R11.55, Molded Expanded Polystyrene, Foam Board Insulation (MEPS).....	2.61	0.33
			<i>For Horizontal Surface Application, Deduct</i>	-0.05	
			<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
			<i>For Mechanically Fastened To Wood Or Steel, Deduct</i>	-0.05	
			<i>For Mechanically Fastened To Concrete, Add</i>	0.13	
			<i>For Mechanically Fastened To Gypsum, Add</i>	0.29	
07 21 13 13-0013	SF		4" Thick, R15.40, Molded Expanded Polystyrene, Foam Board Insulation (MEPS).....	3.20	0.33
			<i>For Horizontal Surface Application, Deduct</i>	-0.06	
			<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
			<i>For Mechanically Fastened To Wood Or Steel, Add</i>	0.01	
			<i>For Mechanically Fastened To Concrete, Add</i>	0.19	
			<i>For Mechanically Fastened To Gypsum, Add</i>	0.33	
07 21 13 13-0014	SF		5" Thick, R19.25, Molded Expanded Polystyrene, Foam Board Insulation (MEPS).....	3.79	0.34
			<i>For Horizontal Surface Application, Deduct</i>	-0.06	
			<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
			<i>For Mechanically Fastened To Wood Or Steel, Add</i>	0.07	
			<i>For Mechanically Fastened To Concrete, Add</i>	0.26	
			<i>For Mechanically Fastened To Gypsum, Add</i>	0.39	
07 21 13 13-0015	SF		6" Thick, R23.1, Molded Expanded Polystyrene, Foam Board Insulation (MEPS).....	4.37	0.35
			<i>For Horizontal Surface Application, Deduct</i>	-0.06	
			<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
			<i>For Mechanically Fastened To Wood Or Steel, Add</i>	0.28	
			<i>For Mechanically Fastened To Concrete, Add</i>	0.47	
			<i>For Mechanically Fastened To Gypsum, Add</i>	0.47	
07 21 13 13-0016			Extruded Polystyrene, Foam Board Insulation (07 21 13 13)		
			Note: 15 PSI compressive strength.		
07 21 13 13-0017	SF		3/8" Thick, R1.9, Extruded Polystyrene, Foam Board Insulation.....	1.22	0.31
			<i>For Horizontal Surface Application, Deduct</i>	-0.05	
			<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
			<i>For Mechanically Fastened To Wood Or Steel, Deduct</i>	-0.14	
			<i>For Mechanically Fastened To Concrete, Add</i>	0.06	
			<i>For Mechanically Fastened To Gypsum, Add</i>	0.21	
			<i>For 25 PSI Compressive Strength, Add</i>	0.11	
			<i>For 40 PSI Compressive Strength, Add</i>	0.27	
			<i>For 60 PSI Compressive Strength, Add</i>	0.44	
			<i>For 115 PSI Compressive Strength, Add</i>	1.88	
07 21 13 13-0018	SF		1/2" Thick, R2.5, Extruded Polystyrene, Foam Board Insulation.....	1.41	0.31
			<i>For Horizontal Surface Application, Deduct</i>	-0.05	
			<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
			<i>For Mechanically Fastened To Wood Or Steel, Deduct</i>	-0.14	
			<i>For Mechanically Fastened To Concrete, Add</i>	0.06	
			<i>For Mechanically Fastened To Gypsum, Add</i>	0.21	
			<i>For 25 PSI Compressive Strength, Add</i>	0.14	
			<i>For 40 PSI Compressive Strength, Add</i>	0.34	
			<i>For 60 PSI Compressive Strength, Add</i>	0.55	
			<i>For 115 PSI Compressive Strength, Add</i>	2.36	
07 21 13 13-0019	SF		3/4" Thick, R3.7, Extruded Polystyrene, Foam Board Insulation.....	1.56	0.31
			<i>For Horizontal Surface Application, Deduct</i>	-0.05	
			<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
			<i>For Mechanically Fastened To Wood Or Steel, Deduct</i>	-0.14	
			<i>For Mechanically Fastened To Concrete, Add</i>	0.06	
			<i>For Mechanically Fastened To Gypsum, Add</i>	0.21	
			<i>For 25 PSI Compressive Strength, Add</i>	0.17	
			<i>For 40 PSI Compressive Strength, Add</i>	0.40	
			<i>For 60 PSI Compressive Strength, Add</i>	0.63	
			<i>For 115 PSI Compressive Strength, Add</i>	2.75	
07 21 13 13-0020	SF		1" Thick, R5.0, Extruded Polystyrene, Foam Board Insulation.....	1.65	0.31
			<i>For Horizontal Surface Application, Deduct</i>	-0.05	
			<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
			<i>For Mechanically Fastened To Wood Or Steel, Deduct</i>	-0.14	
			<i>For Mechanically Fastened To Concrete, Add</i>	0.06	
			<i>For Mechanically Fastened To Gypsum, Add</i>	0.21	
			<i>For 25 PSI Compressive Strength, Add</i>	0.18	
			<i>For 40 PSI Compressive Strength, Add</i>	0.43	
			<i>For 60 PSI Compressive Strength, Add</i>	0.68	
			<i>For 115 PSI Compressive Strength, Add</i>	2.96	
07 21 13 13-0021	SF		2" Thick, R10.0, Extruded Polystyrene, Foam Board Insulation.....	2.44	0.32
			<i>For Horizontal Surface Application, Deduct</i>	-0.05	
			<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
			<i>For Mechanically Fastened To Wood Or Steel, Deduct</i>	-0.09	
			<i>For Mechanically Fastened To Concrete, Add</i>	0.08	
			<i>For Mechanically Fastened To Gypsum, Add</i>	0.22	
			<i>For 25 PSI Compressive Strength, Add</i>	0.31	
			<i>For 40 PSI Compressive Strength, Add</i>	0.73	
			<i>For 60 PSI Compressive Strength, Add</i>	1.13	
			<i>For 115 PSI Compressive Strength, Add</i>	4.96	



Thermal And Moisture Protection		07
Thermal Protection		07 20
Thermal Insulation		07 21

07

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 21 13 13-0022 SF 3" Thick, R15.0, Extruded Polystyrene, Foam Board Insulation	3.24	0.33
<i>For Horizontal Surface Application, Deduct</i>	-0.05	
<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
<i>For Mechanically Fastened To Wood Or Steel, Deduct</i>	-0.05	
<i>For Mechanically Fastened To Concrete, Add</i>	0.13	
<i>For Mechanically Fastened To Gypsum, Add</i>	0.29	
<i>For 25 PSI Compressive Strength, Add</i>	0.43	
<i>For 40 PSI Compressive Strength, Add</i>	1.03	
<i>For 60 PSI Compressive Strength, Add</i>	1.59	
<i>For 115 PSI Compressive Strength, Add</i>	6.99	
07 21 13 13-0023 SF 4" Thick, R20.0, Extruded Polystyrene, Foam Board Insulation	3.65	0.33
<i>For Horizontal Surface Application, Deduct</i>	-0.06	
<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
<i>For Mechanically Fastened To Wood Or Steel, Add</i>	0.01	
<i>For Mechanically Fastened To Concrete, Add</i>	0.19	
<i>For Mechanically Fastened To Gypsum, Add</i>	0.33	
<i>For 25 PSI Compressive Strength, Add</i>	0.49	
<i>For 40 PSI Compressive Strength, Add</i>	1.17	
<i>For 60 PSI Compressive Strength, Add</i>	1.82	
<i>For 115 PSI Compressive Strength, Add</i>	8.00	
07 21 13 16 Fibrous Board Insulation (07 21 13)		
07 21 13 16-0001 Wood Fiber (Cellulosic-Fiber), Fibrous Board Insulation (07 21 13 16)		
07 21 13 16-0002 SF 1" Thick, R2.6, Wood Fiber (Cellulosic-Fiber), Fibrous Board Insulation	1.59	0.39
<i>For Horizontal Surface Application, Deduct</i>	-0.07	
<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
<i>For Factory Painted On One Surface Add</i>	0.17	
<i>For Mechanically Fastened To Wood Or Steel, Deduct</i>	-0.14	
<i>For Mechanically Fastened To Concrete, Add</i>	0.10	
<i>For Mechanically Fastened To Gypsum, Add</i>	0.25	
07 21 13 16-0003 SF 2" Thick, R5.2, Wood Fiber (Cellulosic-Fiber), Fibrous Board Insulation	2.30	0.47
<i>For Horizontal Surface Application, Deduct</i>	-0.08	
<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
<i>For Factory Painted On One Surface Add</i>	0.17	
<i>For Mechanically Fastened To Wood Or Steel, Deduct</i>	-0.09	
<i>For Mechanically Fastened To Concrete, Add</i>	0.17	
<i>For Mechanically Fastened To Gypsum, Add</i>	0.31	
07 21 13 16-0004 SF 3" Thick, R7.8, Wood Fiber (Cellulosic-Fiber), Fibrous Board Insulation	3.02	0.54
<i>For Horizontal Surface Application, Deduct</i>	-0.09	
<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
<i>For Factory Painted On One Surface Add</i>	0.17	
<i>For Mechanically Fastened To Wood Or Steel, Deduct</i>	-0.05	
<i>For Mechanically Fastened To Concrete, Add</i>	0.25	
<i>For Mechanically Fastened To Gypsum, Add</i>	0.41	
07 21 13 16-0005 Fiberglass, Fibrous Board Insulation (07 21 13 16)		
07 21 13 16-0006 SF 1" Thick, R4.2, Fiberglass, Fibrous Board Insulation	2.71	0.31
<i>For Horizontal Surface Application, Deduct</i>	-0.05	
<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
<i>For Factory Painted On One Surface Add</i>	0.17	
<i>For Mechanically Fastened To Wood Or Steel, Deduct</i>	-0.14	
<i>For Mechanically Fastened To Concrete, Add</i>	0.06	
<i>For Mechanically Fastened To Gypsum, Add</i>	0.21	
07 21 13 16-0007 SF 1-1/2" Thick, R6.0, Fiberglass, Fibrous Board Insulation	3.01	0.31
<i>For Horizontal Surface Application, Deduct</i>	-0.05	
<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
<i>For Factory Painted On One Surface Add</i>	0.17	
<i>For Mechanically Fastened To Wood Or Steel, Deduct</i>	-0.09	
<i>For Mechanically Fastened To Concrete, Add</i>	0.08	
<i>For Mechanically Fastened To Gypsum, Add</i>	0.21	
07 21 13 16-0008 SF 2" Thick, R8.0, Fiberglass, Fibrous Board Insulation	3.69	0.32
<i>For Horizontal Surface Application, Deduct</i>	-0.05	
<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
<i>For Factory Painted On One Surface Add</i>	0.17	
<i>For Mechanically Fastened To Wood Or Steel, Deduct</i>	-0.09	
<i>For Mechanically Fastened To Concrete, Add</i>	0.08	
<i>For Mechanically Fastened To Gypsum, Add</i>	0.22	
07 21 13 16-0009 SF 2-1/2" Thick, R10.0, Fiberglass, Fibrous Board Insulation	4.24	0.32
<i>For Horizontal Surface Application, Deduct</i>	-0.05	
<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
<i>For Factory Painted On One Surface Add</i>	0.17	
<i>For Mechanically Fastened To Wood Or Steel, Deduct</i>	-0.05	
<i>For Mechanically Fastened To Concrete, Add</i>	0.12	
<i>For Mechanically Fastened To Gypsum, Add</i>	0.25	
07 21 13 16-0010 SF 3" Thick, R12.4, Fiberglass, Fibrous Board Insulation	4.34	0.33
<i>For Horizontal Surface Application, Deduct</i>	-0.05	
<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
<i>For Factory Painted On One Surface Add</i>	0.17	
<i>For Mechanically Fastened To Wood Or Steel, Deduct</i>	-0.05	
<i>For Mechanically Fastened To Concrete, Add</i>	0.13	
<i>For Mechanically Fastened To Gypsum, Add</i>	0.29	

07 Thermal And Moisture Protection**07 20 Thermal Protection****07 21 Thermal Insulation**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST**07 21 13 19 Mineral Board Insulation** (07 21 13)**07 21 13 19-0001 High-Density Fiberboard, Mineral Board Insulation** (07 21 13 19)

07 21 13 19-0002	SF 1/2" Thick, R1.3, High-Density Fiberboard, Mineral Board Insulation	1.22	0.35
	<i>For Horizontal Surface Application, Deduct</i>	-0.06	
	<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
	<i>For Factory Painted On One Surface Add</i>	0.17	
	<i>For Mechanically Fastened To Wood Or Steel, Deduct</i>	-0.14	
	<i>For Mechanically Fastened To Concrete, Add</i>	0.08	
	<i>For Mechanically Fastened To Gypsum, Add</i>	0.23	
07 21 13 19-0003	SF 25/32" Thick, R1.9, High-Density Fiberboard, Mineral Board Insulation	1.43	0.37
	<i>For Horizontal Surface Application, Deduct</i>	-0.06	
	<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
	<i>For Factory Painted On One Surface Add</i>	0.17	
	<i>For Mechanically Fastened To Wood Or Steel, Deduct</i>	-0.14	
	<i>For Mechanically Fastened To Concrete, Add</i>	0.09	
	<i>For Mechanically Fastened To Gypsum, Add</i>	0.24	
07 21 13 19-0004	SF 1" Thick, R2.5, High-Density Fiberboard, Mineral Board Insulation	1.66	0.39
	<i>For Horizontal Surface Application, Deduct</i>	-0.07	
	<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
	<i>For Factory Painted On One Surface Add</i>	0.17	
	<i>For Mechanically Fastened To Wood Or Steel, Deduct</i>	-0.14	
	<i>For Mechanically Fastened To Concrete, Add</i>	0.10	
	<i>For Mechanically Fastened To Gypsum, Add</i>	0.25	
07 21 13 19-0005	SF 1-1/2" Thick, R3.8, High-Density Fiberboard, Mineral Board Insulation	2.05	0.43
	<i>For Horizontal Surface Application, Deduct</i>	-0.07	
	<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
	<i>For Factory Painted On One Surface Add</i>	0.17	
	<i>For Mechanically Fastened To Wood Or Steel, Deduct</i>	-0.09	
	<i>For Mechanically Fastened To Concrete, Add</i>	0.14	
	<i>For Mechanically Fastened To Gypsum, Add</i>	0.27	
07 21 13 19-0006	SF 2" Thick, R5.0, High-Density Fiberboard, Mineral Board Insulation	2.44	0.47
	<i>For Horizontal Surface Application, Deduct</i>	-0.08	
	<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
	<i>For Factory Painted On One Surface Add</i>	0.17	
	<i>For Mechanically Fastened To Wood Or Steel, Deduct</i>	-0.09	
	<i>For Mechanically Fastened To Concrete, Add</i>	0.17	
	<i>For Mechanically Fastened To Gypsum, Add</i>	0.31	
07 21 13 19-0007	SF 3" Thick, R7.5, High-Density Fiberboard, Mineral Board Insulation	1.26	0.54
	<i>For Horizontal Surface Application, Deduct</i>	-0.09	
	<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
	<i>For Factory Painted On One Surface Add</i>	0.17	
	<i>For Mechanically Fastened To Wood Or Steel, Deduct</i>	-0.05	
	<i>For Mechanically Fastened To Concrete, Add</i>	0.25	
	<i>For Mechanically Fastened To Gypsum, Add</i>	0.41	

07 21 16 Blanket Insulation (07 21)

Note: All insulation rolls or batts applied to wood or steel studs or between rafters or between metal building "skin" and framing.

07 21 16 00-0001 Fiberglass Flexible Insulation (07 21 16)

Note: Rolls or batts.

07 21 16 00-0002 Kraft Faced, Fiberglass Flexible Insulation (07 21 16 00-0001)

07 21 16 00-0003	SF 3-1/2" Thick, Kraft Faced, R-11 Fiberglass Flexible Insulation.....	1.26	0.43
	<i>For >1,600, Deduct</i>	-0.11	
07 21 16 00-0004	SF 3-1/2" Thick, Kraft Faced, R-13 Fiberglass Flexible Insulation.....	1.34	0.43
	<i>For >1,600, Deduct</i>	-0.12	
07 21 16 00-0005	SF 3-1/2" Thick, Kraft Faced, R-15 Fiberglass Flexible Insulation.....	1.37	0.43
	<i>For >1,600, Deduct</i>	-0.12	
07 21 16 00-0006	SF 5-1/2" Thick, Kraft Faced, R-21 Fiberglass Flexible Insulation.....	1.74	0.43
	<i>For >1,600, Deduct</i>	-0.18	
07 21 16 00-0007	SF 6-1/4" Thick, Kraft Faced, R-19 Fiberglass Flexible Insulation.....	1.47	0.43
	<i>For >1,600, Deduct</i>	-0.14	
07 21 16 00-0008	SF 9-1/2" Thick, Kraft Faced, R-30 Fiberglass Flexible Insulation.....	2.27	0.54
	<i>For >1,600, Deduct</i>	-0.22	
07 21 16 00-0009	SF 12" Thick, Kraft Faced, R-38 Fiberglass Flexible Insulation.....	2.39	0.54
	<i>For >1,600, Deduct</i>	-0.24	

07 21 16 00-0010 Unfaced, Fiberglass Flexible Insulation (07 21 16 00-0001)

07 21 16 00-0011	SF 3-1/2" Thick, Unfaced, R-11 Fiberglass Flexible Insulation.....	1.20	0.43
	<i>For >1,600, Deduct</i>	-0.10	
07 21 16 00-0012	SF 3-1/2" Thick, Unfaced, R-13 Fiberglass Flexible Insulation.....	1.30	0.43
	<i>For >1,600, Deduct</i>	-0.11	
07 21 16 00-0013	SF 3-1/2" Thick, Unfaced, R-15 Fiberglass Flexible Insulation.....	1.66	0.43
	<i>For >1,600, Deduct</i>	-0.17	
07 21 16 00-0014	SF 5-1/2" Thick, Unfaced, R-21 Fiberglass Flexible Insulation.....	1.68	0.43
	<i>For >1,600, Deduct</i>	-0.17	
07 21 16 00-0015	SF 6-1/4" Thick, Unfaced, R-19 Fiberglass Flexible Insulation.....	1.43	0.43
	<i>For >1,600, Deduct</i>	-0.13	
07 21 16 00-0016	SF 9-1/2" Thick, Unfaced, R-30 Fiberglass Flexible Insulation.....	2.15	0.54
	<i>For >1,600, Deduct</i>	-0.20	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 21 16 00-0017 SF 12" Thick, Unfaced, R-38 Fiberglass Flexible Insulation..... <i>For >1,600, Deduct</i>	2.32 -0.23	0.54
07 21 16 00-0018 Foil Faced, Fiberglass Flexible Insulation (07 21 16 00-0001)		
07 21 16 00-0019 SF 3-1/2" Thick, Foil Faced, R-11 Fiberglass Flexible Insulation <i>For >1,600, Deduct</i>	1.41 -0.13	0.43
07 21 16 00-0020 SF 3-1/2" Thick, Foil Faced, R-13 Fiberglass Flexible Insulation <i>For >1,600, Deduct</i>	1.55 -0.15	0.43
07 21 16 00-0021 SF 6-1/4" Thick, Foil Faced, R-19 Fiberglass Flexible Insulation <i>For >1,600, Deduct</i>	1.66 -0.17	0.43
07 21 16 00-0022 SF 10-1/4" Thick, Foil Faced, R-38 Fiberglass Flexible Insulation <i>For >1,600, Deduct</i>	2.49 -0.25	0.54
07 21 16 00-0023 SF 12" Thick, Foil Faced, R-38 Fiberglass Flexible Insulation <i>For >1,600, Deduct</i>	2.66 -0.28	0.54
07 21 16 00-0024 Poly-Encapsulated, Fiberglass Flexible Insulation (07 21 16 00-0001)		
07 21 16 00-0025 SF 3-1/2" Thick, Poly-Encapsulated, R-11 Fiberglass Flexible Insulation <i>For >1,600, Deduct</i>	1.29 -0.11	0.43
07 21 16 00-0026 SF 3-1/2" Thick, Poly-Encapsulated, R-13 Fiberglass Flexible Insulation <i>For >1,600, Deduct</i>	1.37 -0.12	0.43
07 21 16 00-0027 SF 5-1/2" Thick, Poly-Encapsulated, R-21 Fiberglass Flexible Insulation <i>For >1,600, Deduct</i>	1.79 -0.18	0.43
07 21 16 00-0028 SF 6-1/2" Thick, Poly-Encapsulated, R-19 Fiberglass Flexible Insulation <i>For >1,600, Deduct</i>	1.48 -0.14	0.43
07 21 16 00-0029 SF 8-1/4" Thick, Poly-Encapsulated, R-25 Fiberglass Flexible Insulation <i>For >1,600, Deduct</i>	2.27 -0.22	0.54
07 21 16 00-0030 SF 10-1/4" Thick, Poly-Encapsulated, R-30 Fiberglass Flexible Insulation <i>For >1,600, Deduct</i>	2.32 -0.23	0.54
07 21 16 00-0031 Mineral Wool Flexible Insulation (07 21 16)		
07 21 16 00-0032 Kraft Faced, Mineral Wool Flexible Insulation (07 21 16 00-0031)		
07 21 16 00-0033 SF 3-1/2" Kraft Faced, R-11 Mineral Wool Flexible Insulation..... <i>For >1,600, Deduct</i>	1.38 -0.12	0.43
07 21 16 00-0034 SF 6-1/4" Kraft Faced, R-19 Mineral Wool Flexible Insulation..... <i>For >1,600, Deduct</i>	1.78 -0.18	0.43
07 21 16 00-0035 SF 9-1/2" Kraft Faced, R-30 Mineral Wool Flexible Insulation..... <i>For >1,600, Deduct</i>	2.76 -0.31	0.43
07 21 16 00-0036 SF 12" Kraft Faced, R-38 Mineral Wool Flexible Insulation..... <i>For >1,600, Deduct</i>	3.11 -0.36	0.43
07 21 16 00-0037 Unfaced, Mineral Wool Flexible Insulation (07 21 16 00-0031)		
07 21 16 00-0038 SF 3-1/2" Unfaced, R-11 Mineral Wool Flexible Insulation..... <i>For >1,600, Deduct</i>	1.30 -0.11	0.43
07 21 16 00-0039 SF 6-1/4" Unfaced, R-19 Mineral Wool Flexible Insulation..... <i>For >1,600, Deduct</i>	1.65 -0.16	0.43
07 21 16 00-0040 SF 9-1/2" Unfaced, R-30 Mineral Wool Flexible Insulation <i>For >1,600, Deduct</i>	2.51 -0.27	0.43
07 21 16 00-0041 SF 12" Unfaced, R-38 Mineral Wool Flexible Insulation <i>For >1,600, Deduct</i>	2.81 -0.31	0.43
07 21 16 00-0042 Natural Cotton Insulation (07 21 16)		
07 21 16 00-0043 UltraTouch Natural Cotton Insulation (07 21 16 00-0042)		
Note: 85% recycled denim cotton.		
07 21 16 00-0044 SF 3-1/2", R-13 UltraTouch Natural Cotton Insulation..... <i>For >1,600, Deduct</i>	1.82 -0.19	0.43
07 21 16 00-0045 SF 5-1/2", R-19 UltraTouch Natural Cotton Insulation..... <i>For >1,600, Deduct</i>	2.05 -0.22	0.43
07 21 16 00-0046 SF 5-1/2", R-21 UltraTouch Natural Cotton Insulation..... <i>For >1,600, Deduct</i>	2.26 -0.25	0.43
07 21 16 00-0047 SF 8", R-30 UltraTouch Natural Cotton Insulation..... <i>For >1,600, Deduct</i>	3.04 -0.35	0.43
07 21 19 Foamed-In-Place Insulation (07 21)		
07 21 19 00-0001 Polyurethane Foam Insulation, Sprayed On (07 21 19)		
07 21 19 00-0002 SF 1" Thick, R3.8, 0.5 PCF, Open Cell, Spray Polyurethane Foam Insulation.....	0.98	
07 21 19 00-0003 SF 2" Thick, R7.6, 0.5 PCF, Open Cell, Spray Polyurethane Foam Insulation.....	1.63	
07 21 19 00-0004 SF 3" Thick, R11.4, 0.5 PCF, Open Cell, Spray Polyurethane Foam Insulation.....	2.28	
07 21 19 00-0005 SF 4" Thick, R15.2, 0.5 PCF, Open Cell, Spray Polyurethane Foam Insulation.....	2.93	
07 21 19 00-0006 SF 5" Thick, R19.0, 0.5 PCF, Open Cell, Spray Polyurethane Foam Insulation.....	3.58	
07 21 19 00-0007 SF 6" Thick, R22.8, 0.5 PCF, Open Cell, Spray Polyurethane Foam Insulation.....	4.22	
07 21 19 00-0008 SF 1" Thick, R6.5, 2.0 PCF, Closed Cell, Spray Polyurethane Foam Insulation.....	1.89	
07 21 19 00-0009 SF 2" Thick, R13.0, 2.0 PCF, Closed Cell, Spray Polyurethane Foam Insulation.....	2.93	
07 21 19 00-0010 SF 3" Thick, R19.5, 2.0 PCF, Closed Cell, Spray Polyurethane Foam Insulation.....	3.97	
07 21 19 00-0011 SF 4" Thick, R26.0, 2.0 PCF, Closed Cell, Spray Polyurethane Foam Insulation.....	5.01	

07 Thermal And Moisture Protection**07 20 Thermal Protection****07 21 Thermal Insulation**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 21 19 00-0012 SF 5" Thick, R32.5, 2.0 PCF, Closed Cell, Spray Polyurethane Foam Insulation	6.05	
07 21 19 00-0013 SF 6" Thick, R39.0, 2.0 PCF, Closed Cell, Spray Polyurethane Foam Insulation	7.10	
07 21 23 Loose-Fill Insulation (07 21)		
07 21 23 00-0001 Poured Type, Loose Fill Insulation (07 21 23)		
07 21 23 00-0002 CF R-3.5/Inch, Poured Type, Fiberglass Loose Fill Insulation.....	6.21	2.50
07 21 23 00-0003 CF R-3.7/Inch, Poured Type, Cellulose Loose Fill Insulation.....	6.57	2.50
07 21 23 00-0004 Concrete Block Wall Cavity Insulation (07 21 23)		
07 21 23 00-0005 CF R-2.7, Vermiculite Or Perlite, Concrete Block Wall Cavity Insulation.....	8.17	2.50
07 21 23 00-0006 CF R-4, Polystyrene Foam, Concrete Block Wall Cavity Insulation.....	8.10	2.50
07 21 26 Blown Insulation (07 21)		
07 21 26 00-0001 Fiberglass Blown-In Insulation (07 21 26)		
07 21 26 00-0002 Attic, Fiberglass Blown-In Insulation (07 21 26 00-0001)		
07 21 26 00-0003 SF 3-3/4" Thick, R-13 Attic, Fiberglass Blown In Insulation.....	1.30	1.04
07 21 26 00-0004 SF 6-1/4" Thick, R-19 Attic, Fiberglass Blown In Insulation.....	1.64	1.25
07 21 26 00-0005 SF 7-1/4" Thick, R-22 Attic, Fiberglass Blown In Insulation.....	1.80	1.35
07 21 26 00-0006 SF 10-1/4" Thick, R-30 Attic, Fiberglass Blown In Insulation.....	2.07	1.45
07 21 26 00-0007 SF 12-3/4" Thick, R-38 Attic, Fiberglass Blown In Insulation.....	2.36	1.56
07 21 26 00-0008 SF 13-1/2" Thick, R-40 Attic, Fiberglass Blown In Insulation.....	2.56	1.67
07 21 26 00-0009 SF 14-3/4" Thick, R-44 Attic, Fiberglass Blown In Insulation.....	2.61	1.67
07 21 26 00-0010 SF 16-1/2" Thick, R-49 Attic, Fiberglass Blown In Insulation.....	2.72	1.67
07 21 26 00-0011 SF 19" Thick, R-56 Attic, Fiberglass Blown In Insulation.....	2.97	1.67
07 21 26 00-0012 SF 21" Thick, R-60 Attic, Fiberglass Blown In Insulation.....	2.98	1.67
07 21 26 00-0013 New Wall, Fiberglass Blown-In Insulation (07 21 26 00-0001)		
07 21 26 00-0014 SF 3-1/2" Thick, R-15 New Wall, Fiberglass Blown In Insulation.....	1.75	1.04
07 21 26 00-0015 SF 5-1/2" Thick, R-23 New Wall, Fiberglass Blown In Insulation.....	2.31	1.25
07 21 26 00-0016 SF 7-1/4" Thick, R-31 New Wall, Fiberglass Blown In Insulation.....	2.72	1.35
07 21 26 00-0017 SF 9-1/4" Thick, R-39 New Wall, Fiberglass Blown In Insulation.....	3.20	1.45
07 21 26 00-0018 Existing Wall, Fiberglass Blown-In Insulation (07 21 26 00-0001)		
Note: Includes drilling. Excludes patching.		
07 21 26 00-0019 SF 3-1/2" Thick, R-15 Existing Wall, Fiberglass Blown In Insulation	1.67	1.04
07 21 26 00-0020 SF 5-1/2" Thick, R-23 Existing Wall, Fiberglass Blown In Insulation	2.23	1.25
07 21 26 00-0021 SF 7-1/4" Thick, R-31 Existing Wall, Fiberglass Blown In Insulation	2.64	1.35
07 21 26 00-0022 SF 9-1/4" Thick, R-39 Existing Wall, Fiberglass Blown In Insulation	3.12	1.45
07 21 26 00-0023 Cellulose Blown-In Insulation (07 21 26)		
07 21 26 00-0024 Attic, Cellulose Blown-In Insulation (07 21 26 00-0023)		
07 21 26 00-0025 SF 3-3/4" Thick, R-13 Attic, Cellulose Blown In Insulation.....	1.32	1.04
07 21 26 00-0026 SF 5-1/2" Thick, R-19 Attic, Cellulose Blown In Insulation.....	1.57	1.15
07 21 26 00-0027 SF 6-1/4" Thick, R-22 Attic, Cellulose Blown In Insulation.....	1.75	1.25
07 21 26 00-0028 SF 7-3/4" Thick, R-28 Attic, Cellulose Blown In Insulation.....	2.02	1.35
07 21 26 00-0029 SF 8-1/2" Thick, R-30 Attic, Cellulose Blown In Insulation.....	2.06	1.35
07 21 26 00-0030 SF 10-1/2" Thick, R-38 Attic, Cellulose Blown In Insulation.....	2.37	1.45
07 21 26 00-0031 SF 11" Thick, R-40 Attic, Cellulose Blown In Insulation.....	2.43	1.45
07 21 26 00-0032 SF 13-3/4" Thick, R-50 Attic, Cellulose Blown In Insulation.....	2.82	1.56
07 21 26 00-0033 SF 16-1/2" Thick, R-60 Attic, Cellulose Blown In Insulation.....	3.20	1.67
07 21 26 00-0034 New Wall, Cellulose Blown-In Insulation (07 21 26 00-0023)		
07 21 26 00-0035 SF 3-1/2" Thick, R-13 New Wall, Cellulose Blown In Insulation	1.71	1.04
07 21 26 00-0036 SF 5-1/2" Thick, R-20 New Wall, Cellulose Blown In Insulation	2.26	1.25
07 21 26 00-0037 SF 7-1/4" Thick, R-27 New Wall, Cellulose Blown In Insulation	2.64	1.35
07 21 26 00-0038 SF 9-1/4" Thick, R-34 New Wall, Cellulose Blown In Insulation	3.10	1.45
07 21 26 00-0039 Existing Wall, Cellulose Blown-In Insulation (07 21 26 00-0023)		
Note: Includes drilling. Excludes patching.		
07 21 26 00-0040 SF 3-1/2" Thick, R-13 Existing Wall, Cellulose Blown In Insulation	1.63	1.04
07 21 26 00-0041 SF 5-1/2" Thick, R-20 Existing Wall, Cellulose Blown In Insulation	2.18	1.25
07 21 26 00-0042 SF 7-1/4" Thick, R-27 Existing Wall, Cellulose Blown In Insulation	2.56	1.35
07 21 26 00-0043 SF 9-1/4" Thick, R-34 Existing Wall, Cellulose Blown In Insulation	3.02	1.45
07 21 29 Sprayed Insulation (07 21)		
07 21 29 00-0001 Fiber Sprayed On Insulation (07 21 29)		
07 21 29 00-0002 SF 1" Spray, R2.7 Perlite Insulation	1.88	0.55



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 21 29 00-0003 SF 1" Spray, R3.7 Fibrous/Cementitious Insulation	1.39	0.55
07 21 29 00-0004 Cellulose Sprayed On Insulation (07 21 29)		
07 21 29 00-0005 SF 1" Thick - Cellulose Spray-on Insulation	2.67	0.55
07 21 53 Reflective Insulation (07 21)		
07 21 53 00-0001 Reflective Barrier Insulation (Foil - Single Bubble - Foil) (07 21 53)		
07 21 53 00-0002 SF 3/16" Nominal Thickness, Reflective Barrier Insulation, With Single Bubble Air Space	0.84	
07 22 Roof And Deck Insulation (07 20)		
07 22 16 Roof Board Insulation (07 22)		
Note: Use these items for specified related installations with systems per CSI section 07 50 00. Items are for single layer of panels attached per FM I-90 requirements. Types are stock sizes set in cold applied adhesive. Apply modifiers for specified alternate attachment.		
07 22 16 00-0001 Rigid Board Roofing Insulation (07 22 16)		
07 22 16 00-0002 High-Density Fiberboard, Roof Board Insulation (07 22 16 00-0001)		
07 22 16 00-0003 SF 1/2" Thick, R1.3, High-Density Fiberboard, Roof Board Insulation	1.46	
<i>For Hot-Mopped, Deduct</i>	-0.15	
<i>For Mechanically Fastened To Wood Or Steel, Deduct</i>	-0.14	
<i>For Mechanically Fastened To Concrete, Add</i>	0.16	
<i>For Mechanically Fastened To Gypsum, Add</i>	0.31	
07 22 16 00-0004 SF 25/32" Thick, R1.9, High-Density Fiberboard, Roof Board Insulation	1.69	
<i>For Hot-Mopped, Deduct</i>	-0.14	
<i>For Mechanically Fastened To Wood Or Steel, Deduct</i>	-0.14	
<i>For Mechanically Fastened To Concrete, Add</i>	0.18	
<i>For Mechanically Fastened To Gypsum, Add</i>	0.33	
07 22 16 00-0005 SF 1" Thick, R2.5, High-Density Fiberboard, Roof Board Insulation	1.92	
<i>For Hot-Mopped, Deduct</i>	-0.14	
<i>For Mechanically Fastened To Wood Or Steel, Deduct</i>	-0.14	
<i>For Mechanically Fastened To Concrete, Add</i>	0.19	
<i>For Mechanically Fastened To Gypsum, Add</i>	0.34	
07 22 16 00-0006 SF 1-1/2" Thick, R3.8, High-Density Fiberboard, Roof Board Insulation	2.34	
<i>For Hot-Mopped, Deduct</i>	-0.13	
<i>For Mechanically Fastened To Wood Or Steel, Deduct</i>	-0.09	
<i>For Mechanically Fastened To Concrete, Add</i>	0.24	
<i>For Mechanically Fastened To Gypsum, Add</i>	0.37	
07 22 16 00-0007 SF 2" Thick, R5, High-Density Fiberboard, Roof Board Insulation	2.76	
<i>For Hot-Mopped, Deduct</i>	-0.12	
<i>For Mechanically Fastened To Wood Or Steel, Deduct</i>	-0.09	
<i>For Mechanically Fastened To Concrete, Add</i>	0.27	
<i>For Mechanically Fastened To Gypsum, Add</i>	0.41	
07 22 16 00-0008 Wood Fiber (Cellulosic-Fiber), Roof Board Insulation (07 22 16 00-0001)		
07 22 16 00-0009 SF 1/2" Thick, R1.3, Wood Fiber (Cellulosic-Fiber), Roof Board Insulation.....	1.56	
<i>For Hot-Mopped, Deduct</i>	-0.14	
<i>For Mechanically Fastened To Wood Or Steel, Deduct</i>	-0.14	
<i>For Mechanically Fastened To Concrete, Add</i>	0.19	
<i>For Mechanically Fastened To Gypsum, Add</i>	0.34	
07 22 16 00-0010 SF 1" Thick, R2.6, Wood Fiber (Cellulosic-Fiber), Roof Board Insulation.....	1.85	
<i>For Hot-Mopped, Deduct</i>	-0.14	
<i>For Mechanically Fastened To Wood Or Steel, Deduct</i>	-0.14	
<i>For Mechanically Fastened To Concrete, Add</i>	0.19	
<i>For Mechanically Fastened To Gypsum, Add</i>	0.34	
07 22 16 00-0011 Perlite, Roof Board Insulation (07 22 16 00-0001)		
07 22 16 00-0012 SF 1/2" Thick, R1.32, Perlite, Roof Board Insulation.....	1.41	
<i>For Hot-Mopped, Deduct</i>	-0.16	
<i>For Mechanically Fastened To Wood Or Steel, Deduct</i>	-0.14	
<i>For Mechanically Fastened To Concrete, Add</i>	0.13	
<i>For Mechanically Fastened To Gypsum, Add</i>	0.28	
07 22 16 00-0013 SF 3/4" Thick, R2.08, Perlite, Roof Board Insulation.....	1.55	
<i>For Hot-Mopped, Deduct</i>	-0.16	
<i>For Mechanically Fastened To Wood Or Steel, Deduct</i>	-0.14	
<i>For Mechanically Fastened To Concrete, Add</i>	0.13	
<i>For Mechanically Fastened To Gypsum, Add</i>	0.28	
07 22 16 00-0014 SF 1" Thick, R2.78, Perlite, Roof Board Insulation.....	1.70	
<i>For Hot-Mopped, Deduct</i>	-0.16	
<i>For Mechanically Fastened To Wood Or Steel, Deduct</i>	-0.14	
<i>For Mechanically Fastened To Concrete, Add</i>	0.13	
<i>For Mechanically Fastened To Gypsum, Add</i>	0.28	
07 22 16 00-0015 SF 1-1/2" Thick, R4.17, Perlite, Roof Board Insulation.....	2.10	
<i>For Hot-Mopped, Deduct</i>	-0.16	
<i>For Mechanically Fastened To Wood Or Steel, Deduct</i>	-0.09	
<i>For Mechanically Fastened To Concrete, Add</i>	0.15	
<i>For Mechanically Fastened To Gypsum, Add</i>	0.28	

07 Thermal And Moisture Protection**07 20 Thermal Protection****07 22 Roof And Deck Insulation**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 22 16 00-0016	SF		2" Thick, R5.56, Perlite, Roof Board Insulation	2.35	
			<i>For Hot-Mopped, Deduct</i>	-0.16	
			<i>For Mechanically Fastened To Wood Or Steel, Deduct</i>	-0.09	
			<i>For Mechanically Fastened To Concrete, Add</i>	0.16	
			<i>For Mechanically Fastened To Gypsum, Add</i>	0.30	
07 22 16 00-0017			Basalt Mineral Wool, Roof Board Insulation (07 22 16 00-0001)		
07 22 16 00-0018	SF		1" Thick, R3.5, Basalt Mineral Wool, Roof Board Insulation	1.92	
			<i>For Hot-Mopped, Deduct</i>	-0.16	
			<i>For Mechanically Fastened To Wood Or Steel, Deduct</i>	-0.14	
			<i>For Mechanically Fastened To Concrete, Add</i>	0.13	
			<i>For Mechanically Fastened To Gypsum, Add</i>	0.28	
07 22 16 00-0019	SF		2" Thick, R7.4, Basalt Mineral Wool, Roof Board Insulation	2.55	
			<i>For Hot-Mopped, Deduct</i>	-0.16	
			<i>For Mechanically Fastened To Wood Or Steel, Deduct</i>	-0.09	
			<i>For Mechanically Fastened To Concrete, Add</i>	0.16	
			<i>For Mechanically Fastened To Gypsum, Add</i>	0.30	
07 22 16 00-0020	SF		3" Thick, R11.1, Basalt Mineral Wool, Roof Board Insulation	3.29	
			<i>For Hot-Mopped, Deduct</i>	-0.15	
			<i>For Mechanically Fastened To Wood Or Steel, Deduct</i>	-0.05	
			<i>For Mechanically Fastened To Concrete, Add</i>	0.20	
			<i>For Mechanically Fastened To Gypsum, Add</i>	0.36	
07 22 16 00-0021			Foam Glass (Cellular Glass), Roof Board Insulation (07 22 16 00-0001)		
07 22 16 00-0022	SF		1-1/2" Thick, R5.16, Foam Glass (Cellular Glass), Roof Board Insulation	3.48	
			<i>For Hot-Mopped, Deduct</i>	-0.16	
			<i>For Mechanically Fastened To Wood Or Steel, Deduct</i>	-0.09	
			<i>For Mechanically Fastened To Concrete, Add</i>	0.15	
			<i>For Mechanically Fastened To Gypsum, Add</i>	0.28	
07 22 16 00-0023	SF		2" Thick, R6.88, Foam Glass (Cellular Glass), Roof Board Insulation	4.09	
			<i>For Hot-Mopped, Deduct</i>	-0.16	
			<i>For Mechanically Fastened To Wood Or Steel, Deduct</i>	-0.09	
			<i>For Mechanically Fastened To Concrete, Add</i>	0.16	
			<i>For Mechanically Fastened To Gypsum, Add</i>	0.30	
07 22 16 00-0024	SF		2-3/4" Thick, R8.17, Foam Glass (Cellular Glass), Roof Board Insulation	5.30	
			<i>For Hot-Mopped, Deduct</i>	-0.15	
			<i>For Mechanically Fastened To Wood Or Steel, Deduct</i>	-0.05	
			<i>For Mechanically Fastened To Concrete, Add</i>	0.20	
			<i>For Mechanically Fastened To Gypsum, Add</i>	0.36	
07 22 16 00-0025	SF		3-1/2" Thick, R12.04, Foam Glass (Cellular Glass), Roof Board Insulation	6.51	
			<i>For Hot-Mopped, Deduct</i>	-0.15	
			<i>For Mechanically Fastened To Wood Or Steel, Deduct</i>	0.01	
			<i>For Mechanically Fastened To Concrete, Add</i>	0.26	
			<i>For Mechanically Fastened To Gypsum, Add</i>	0.37	
07 22 16 00-0026			Molded Expanded Polystyrene, Roof Board Insulation (07 22 16 00-0001)		
07 22 16 00-0027	SF		3/8" Thick, R1.44, Molded Expanded Polystyrene, Roof Board Insulation (MEPS)	1.43	
			<i>For Loose-Laid, Deduct</i>	-0.76	
			<i>For Hot-Mopped, Deduct</i>	-0.15	
			<i>For Mechanically Fastened To Wood Or Steel, Deduct</i>	-0.14	
			<i>For Mechanically Fastened To Concrete, Add</i>	0.17	
			<i>For Mechanically Fastened To Gypsum, Add</i>	0.32	
07 22 16 00-0028	SF		1/2" Thick, R1.93, Molded Expanded Polystyrene, Roof Board Insulation (MEPS)	1.48	
			<i>For Loose-Laid, Deduct</i>	-0.76	
			<i>For Hot-Mopped, Deduct</i>	-0.15	
			<i>For Mechanically Fastened To Wood Or Steel, Deduct</i>	-0.14	
			<i>For Mechanically Fastened To Concrete, Add</i>	0.17	
			<i>For Mechanically Fastened To Gypsum, Add</i>	0.32	
07 22 16 00-0029	SF		3/4" Thick, R2.89, Molded Expanded Polystyrene, Roof Board Insulation (MEPS)	1.64	
			<i>For Loose-Laid, Deduct</i>	-0.76	
			<i>For Hot-Mopped, Deduct</i>	-0.14	
			<i>For Mechanically Fastened To Wood Or Steel, Deduct</i>	-0.14	
			<i>For Mechanically Fastened To Concrete, Add</i>	0.17	
			<i>For Mechanically Fastened To Gypsum, Add</i>	0.32	
07 22 16 00-0030	SF		1" Thick, R3.85, Molded Expanded Polystyrene, Roof Board Insulation (MEPS)	1.78	
			<i>For Loose-Laid, Deduct</i>	-0.76	
			<i>For Hot-Mopped, Deduct</i>	-0.14	
			<i>For Mechanically Fastened To Wood Or Steel, Deduct</i>	-0.14	
			<i>For Mechanically Fastened To Concrete, Add</i>	0.17	
			<i>For Mechanically Fastened To Gypsum, Add</i>	0.32	
07 22 16 00-0031	SF		2" Thick, R7.70, Molded Expanded Polystyrene, Roof Board Insulation (MEPS)	2.38	
			<i>For Loose-Laid, Deduct</i>	-0.77	
			<i>For Hot-Mopped, Deduct</i>	-0.14	
			<i>For Mechanically Fastened To Wood Or Steel, Deduct</i>	-0.09	
			<i>For Mechanically Fastened To Concrete, Add</i>	0.20	
			<i>For Mechanically Fastened To Gypsum, Add</i>	0.34	
07 22 16 00-0032	SF		3" Thick, R11.55, Molded Expanded Polystyrene, Roof Board Insulation (MEPS)	2.98	
			<i>For Loose-Laid, Deduct</i>	-0.79	
			<i>For Hot-Mopped, Deduct</i>	-0.14	
			<i>For Mechanically Fastened To Wood Or Steel, Deduct</i>	-0.05	
			<i>For Mechanically Fastened To Concrete, Add</i>	0.25	
			<i>For Mechanically Fastened To Gypsum, Add</i>	0.41	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 22 16 00-0033 SF 4" Thick, R15.40, Molded Expanded Polystyrene, Roof Board Insulation (MEPS)	3.58	
<i>For Loose-Laid, Deduct</i>	-0.80	
<i>For Hot-Mopped, Deduct</i>	-0.14	
<i>For Mechanically Fastened To Wood Or Steel, Deduct</i>	0.01	
<i>For Mechanically Fastened To Concrete, Add</i>	0.32	
<i>For Mechanically Fastened To Gypsum, Add</i>	0.46	
07 22 16 00-0034 SF 5" Thick, R19.25, Molded Expanded Polystyrene, Roof Board Insulation (MEPS)	4.18	
<i>For Loose-Laid, Deduct</i>	-0.81	
<i>For Hot-Mopped, Deduct</i>	-0.13	
<i>For Mechanically Fastened To Wood Or Steel, Add</i>	0.07	
<i>For Mechanically Fastened To Concrete, Add</i>	0.39	
<i>For Mechanically Fastened To Gypsum, Add</i>	0.52	
07 22 16 00-0035 SF 6" Thick, R23.1, Molded Expanded Polystyrene, Roof Board Insulation (MEPS)	4.77	
<i>For Loose-Laid, Deduct</i>	-0.82	
<i>For Hot-Mopped, Deduct</i>	-0.13	
<i>For Mechanically Fastened To Wood Or Steel, Add</i>	0.28	
<i>For Mechanically Fastened To Concrete, Add</i>	0.60	
<i>For Mechanically Fastened To Gypsum, Add</i>	0.60	
07 22 16 00-0036 Extruded Polystyrene, Roof Board Insulation (07 22 16 00-0001)		
Note: 15 PSI compressive strength.		
07 22 16 00-0037 SF 3/4" Thick, R3.7, Extruded Polystyrene, Roof Board Insulation	1.78	
<i>For Loose-Laid, Deduct</i>	-0.70	
<i>For Hot-Mopped, Deduct</i>	-0.16	
<i>For Mechanically Fastened To Wood Or Steel, Deduct</i>	-0.14	
<i>For Mechanically Fastened To Concrete, Add</i>	0.13	
<i>For Mechanically Fastened To Gypsum, Add</i>	0.28	
<i>For 25 PSI Compressive Strength, Add</i>	0.17	
<i>For 40 PSI Compressive Strength, Add</i>	0.40	
<i>For 60 PSI Compressive Strength, Add</i>	0.65	
<i>For 115 PSI Compressive Strength, Add</i>	2.77	
07 22 16 00-0038 SF 1" Thick, R5.0, Extruded Polystyrene, Roof Board Insulation	1.86	
<i>For Loose-Laid, Deduct</i>	-0.70	
<i>For Hot-Mopped, Deduct</i>	-0.16	
<i>For Mechanically Fastened To Wood Or Steel, Deduct</i>	-0.14	
<i>For Mechanically Fastened To Concrete, Add</i>	0.13	
<i>For Mechanically Fastened To Gypsum, Add</i>	0.28	
<i>For 25 PSI Compressive Strength, Add</i>	0.18	
<i>For 40 PSI Compressive Strength, Add</i>	0.43	
<i>For 60 PSI Compressive Strength, Add</i>	0.69	
<i>For 115 PSI Compressive Strength, Add</i>	2.98	
07 22 16 00-0039 SF 1-1/2" Thick, R7.5, Extruded Polystyrene, Roof Board Insulation	2.25	
<i>For Loose-Laid, Deduct</i>	-0.70	
<i>For Hot-Mopped, Deduct</i>	-0.16	
<i>For Mechanically Fastened To Wood Or Steel, Deduct</i>	-0.09	
<i>For Mechanically Fastened To Concrete, Add</i>	0.15	
<i>For Mechanically Fastened To Gypsum, Add</i>	0.28	
<i>For 25 PSI Compressive Strength, Add</i>	0.24	
<i>For 40 PSI Compressive Strength, Add</i>	0.58	
<i>For 60 PSI Compressive Strength, Add</i>	0.92	
<i>For 100 PSI Compressive Strength, Add</i>	1.18	
<i>For 115 PSI Compressive Strength, Add</i>	3.98	
07 22 16 00-0040 SF 2" Thick, R10.0, Extruded Polystyrene, Roof Board Insulation	2.66	
<i>For Loose-Laid, Deduct</i>	-0.71	
<i>For Hot-Mopped, Deduct</i>	-0.16	
<i>For Mechanically Fastened To Wood Or Steel, Deduct</i>	-0.09	
<i>For Mechanically Fastened To Concrete, Add</i>	0.16	
<i>For Mechanically Fastened To Gypsum, Add</i>	0.30	
<i>For 25 PSI Compressive Strength, Add</i>	0.31	
<i>For 40 PSI Compressive Strength, Add</i>	0.73	
<i>For 60 PSI Compressive Strength, Add</i>	1.15	
<i>For 115 PSI Compressive Strength, Add</i>	4.98	
07 22 16 00-0041 SF 2-1/2" Thick, R12.5, Extruded Polystyrene, Roof Board Insulation	3.06	
<i>For Loose-Laid, Deduct</i>	-0.71	
<i>For Hot-Mopped, Deduct</i>	-0.16	
<i>For Mechanically Fastened To Wood Or Steel, Deduct</i>	-0.05	
<i>For Mechanically Fastened To Concrete, Add</i>	0.20	
<i>For Mechanically Fastened To Gypsum, Add</i>	0.33	
<i>For 25 PSI Compressive Strength, Add</i>	0.37	
<i>For 40 PSI Compressive Strength, Add</i>	0.88	
<i>For 60 PSI Compressive Strength, Add</i>	1.38	
<i>For 100 PSI Compressive Strength, Add</i>	1.77	
<i>For 115 PSI Compressive Strength, Add</i>	6.01	
07 22 16 00-0042 SF 3" Thick, R15.0, Extruded Polystyrene, Roof Board Insulation	3.47	
<i>For Loose-Laid, Deduct</i>	-0.72	
<i>For Hot-Mopped, Deduct</i>	-0.15	
<i>For Mechanically Fastened To Wood Or Steel, Deduct</i>	-0.05	
<i>For Mechanically Fastened To Concrete, Add</i>	0.20	
<i>For Mechanically Fastened To Gypsum, Add</i>	0.36	
<i>For 25 PSI Compressive Strength, Add</i>	0.43	
<i>For 40 PSI Compressive Strength, Add</i>	1.03	
<i>For 60 PSI Compressive Strength, Add</i>	1.60	
<i>For 115 PSI Compressive Strength, Add</i>	7.02	

07 Thermal And Moisture Protection**07 20 Thermal Protection****07 22 Roof And Deck Insulation**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 22 16 00-0043	SF		4" Thick, R20.0, Extruded Polystyrene, Roof Board Insulation	3.87	
			<i>For Loose-Laid, Deduct</i>	-0.72	
			<i>For Hot-Mopped, Deduct</i>	-0.15	
			<i>For Mechanically Fastened To Wood Or Steel, Deduct</i>	0.01	
			<i>For Mechanically Fastened To Concrete, Add</i>	0.27	
			<i>For Mechanically Fastened To Gypsum, Add</i>	0.41	
			<i>For 25 PSI Compressive Strength, Add</i>	0.49	
			<i>For 40 PSI Compressive Strength, Add</i>	1.17	
			<i>For 60 PSI Compressive Strength, Add</i>	1.83	
			<i>For 115 PSI Compressive Strength, Add</i>	8.02	
07 22 16 00-0044			Polysocyanurate Board Roofing Insulation (07 22 16 00-0001)		
07 22 16 00-0045	SF		3/4" Thick, R4.3, Polysocyanurate, Roof Board Insulation	1.61	
			<i>For Loose-Laid, Deduct</i>	-0.70	
			<i>For Hot-Mopped, Deduct</i>	-0.16	
			<i>For Mechanically Fastened To Wood Or Steel, Deduct</i>	-0.14	
			<i>For Mechanically Fastened To Concrete, Add</i>	0.13	
			<i>For Mechanically Fastened To Gypsum, Add</i>	0.28	
			<i>For Foil Facer, Add</i>	0.36	
			<i>For 25 PSI Compressive Strength, Add</i>	0.09	
07 22 16 00-0046	SF		1" Thick, R5.7, Polysocyanurate, Roof Board Insulation	1.66	
			<i>For Loose-Laid, Deduct</i>	-0.70	
			<i>For Hot-Mopped, Deduct</i>	-0.16	
			<i>For Mechanically Fastened To Wood Or Steel, Deduct</i>	-0.14	
			<i>For Mechanically Fastened To Concrete, Add</i>	0.13	
			<i>For Mechanically Fastened To Gypsum, Add</i>	0.28	
			<i>For Foil Facer, Add</i>	0.36	
			<i>For 25 PSI Compressive Strength, Add</i>	0.09	
07 22 16 00-0047	SF		1-1/2" Thick, R8.6, Polysocyanurate, Roof Board Insulation	1.75	
			<i>For Loose-Laid, Deduct</i>	-0.70	
			<i>For Hot-Mopped, Deduct</i>	-0.16	
			<i>For Mechanically Fastened To Wood Or Steel, Deduct</i>	-0.09	
			<i>For Mechanically Fastened To Concrete, Add</i>	0.15	
			<i>For Mechanically Fastened To Gypsum, Add</i>	0.28	
			<i>For Foil Facer, Add</i>	0.36	
			<i>For 25 PSI Compressive Strength, Add</i>	0.10	
07 22 16 00-0048	SF		2" Thick, R11.4, Polysocyanurate, Roof Board Insulation	1.99	
			<i>For Loose-Laid, Deduct</i>	-0.71	
			<i>For Hot-Mopped, Deduct</i>	-0.16	
			<i>For Mechanically Fastened To Wood Or Steel, Deduct</i>	-0.09	
			<i>For Mechanically Fastened To Concrete, Add</i>	0.16	
			<i>For Mechanically Fastened To Gypsum, Add</i>	0.30	
			<i>For Foil Facer, Add</i>	0.36	
			<i>For 25 PSI Compressive Strength, Add</i>	0.12	
07 22 16 00-0049	SF		2-1/2" Thick, R14.4, Polysocyanurate, Roof Board Insulation	2.22	
			<i>For Loose-Laid, Deduct</i>	-0.71	
			<i>For Hot-Mopped, Deduct</i>	-0.15	
			<i>For Mechanically Fastened To Wood Or Steel, Deduct</i>	-0.05	
			<i>For Mechanically Fastened To Concrete, Add</i>	0.20	
			<i>For Mechanically Fastened To Gypsum, Add</i>	0.33	
			<i>For Foil Facer, Add</i>	0.36	
			<i>For 25 PSI Compressive Strength, Add</i>	0.15	
07 22 16 00-0050	SF		3" Thick, R17.4, Polysocyanurate, Roof Board Insulation	2.45	
			<i>For Loose-Laid, Deduct</i>	-0.72	
			<i>For Hot-Mopped, Deduct</i>	-0.15	
			<i>For Mechanically Fastened To Wood Or Steel, Deduct</i>	-0.05	
			<i>For Mechanically Fastened To Concrete, Add</i>	0.20	
			<i>For Mechanically Fastened To Gypsum, Add</i>	0.36	
			<i>For Foil Facer, Add</i>	0.36	
			<i>For 25 PSI Compressive Strength, Add</i>	0.17	
07 22 16 00-0051	SF		3-1/2" Thick, R20.5, Polysocyanurate, Roof Board Insulation	2.70	
			<i>For Loose-Laid, Deduct</i>	-0.72	
			<i>For Hot-Mopped, Deduct</i>	-0.15	
			<i>For Mechanically Fastened To Wood Or Steel, Deduct</i>	0.01	
			<i>For Mechanically Fastened To Concrete, Add</i>	0.27	
			<i>For Mechanically Fastened To Gypsum, Add</i>	0.38	
			<i>For Foil Facer, Add</i>	0.36	
			<i>For 25 PSI Compressive Strength, Add</i>	0.19	
07 22 16 00-0052	SF		4" Thick, R23.6, Polysocyanurate, Roof Board Insulation	2.91	
			<i>For Loose-Laid, Deduct</i>	-0.72	
			<i>For Hot-Mopped, Deduct</i>	-0.15	
			<i>For Mechanically Fastened To Wood Or Steel, Deduct</i>	0.01	
			<i>For Mechanically Fastened To Concrete, Add</i>	0.27	
			<i>For Mechanically Fastened To Gypsum, Add</i>	0.41	
			<i>For Foil Facer, Add</i>	0.36	
			<i>For 25 PSI Compressive Strength, Add</i>	0.21	
07 22 16 00-0053			High-Density Polyisocyanurate Cover Board And Roofing Insulation (07 22 16 00-0001)		
07 22 16 00-0054	SF		1/2" Thick, R2.5, High-Density Polyisocyanurate Cover Board And Roofing Insulation	1.82	
			<i>For Mechanically Fastened To Wood Or Steel, Deduct</i>	-0.14	
			<i>For Mechanically Fastened To Concrete, Add</i>	0.16	
			<i>For Mechanically Fastened To Gypsum, Add</i>	0.31	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 22 16 00-0055			Gypsum-Fiber, Roof Board Insulation (USG Securock) (07 22 16 00-0001)		
07 22 16 00-0056	SF		1/4" Thick, R0.2, Gypsum-Fiber, Roof Board Insulation (USG Securock Gypsum)	1.73	
			<i>For Hot-Mopped, Deduct</i>	-0.15	
			<i>For Mechanically Fastened To Wood Or Steel, Deduct</i>	-0.14	
			<i>For Mechanically Fastened To Concrete, Add</i>	0.16	
			<i>For Mechanically Fastened To Gypsum, Add</i>	0.31	
07 22 16 00-0057	SF		3/8" Thick, R0.3, Gypsum-Fiber, Roof Board Insulation (USG Securock Gypsum)	1.82	
			<i>For Hot-Mopped, Deduct</i>	-0.15	
			<i>For Mechanically Fastened To Wood Or Steel, Deduct</i>	-0.14	
			<i>For Mechanically Fastened To Concrete, Add</i>	0.16	
			<i>For Mechanically Fastened To Gypsum, Add</i>	0.31	
07 22 16 00-0058	SF		1/2" Thick, R0.5, Gypsum-Fiber, Roof Board Insulation (USG Securock Gypsum)	1.89	
			<i>For Hot-Mopped, Deduct</i>	-0.15	
			<i>For Mechanically Fastened To Wood Or Steel, Deduct</i>	-0.14	
			<i>For Mechanically Fastened To Concrete, Add</i>	0.16	
			<i>For Mechanically Fastened To Gypsum, Add</i>	0.31	
07 22 16 00-0059	SF		5/8" Thick, R0.6, Gypsum-Fiber, Roof Board Insulation (USG Securock Gypsum)	1.92	
			<i>For Hot-Mopped, Deduct</i>	-0.15	
			<i>For Mechanically Fastened To Wood Or Steel, Deduct</i>	-0.14	
			<i>For Mechanically Fastened To Concrete, Add</i>	0.16	
			<i>For Mechanically Fastened To Gypsum, Add</i>	0.31	
07 22 16 00-0060			Glass-Mat, Roof Board Insulation (USG Securock) (07 22 16 00-0001)		
07 22 16 00-0061	SF		1/4" Thick, R0.36, Glass-Mat, Roof Board Insulation (USG Securock Glass-Mat)	1.70	
			<i>For Hot-Mopped, Deduct</i>	-0.15	
			<i>For Mechanically Fastened To Wood Or Steel, Deduct</i>	-0.14	
			<i>For Mechanically Fastened To Concrete, Add</i>	0.16	
			<i>For Mechanically Fastened To Gypsum, Add</i>	0.31	
07 22 16 00-0062	SF		1/2" Thick, R0.53, Glass-Mat, Roof Board Insulation (USG Securock Glass-Mat)	1.84	
			<i>For Hot-Mopped, Deduct</i>	-0.15	
			<i>For Mechanically Fastened To Wood Or Steel, Deduct</i>	-0.14	
			<i>For Mechanically Fastened To Concrete, Add</i>	0.16	
			<i>For Mechanically Fastened To Gypsum, Add</i>	0.31	
07 22 16 00-0063	SF		5/8" Thick, R0.54, Glass-Mat, Roof Board Insulation (USG Securock Glass-Mat)	1.87	
			<i>For Hot-Mopped, Deduct</i>	-0.15	
			<i>For Mechanically Fastened To Wood Or Steel, Deduct</i>	-0.14	
			<i>For Mechanically Fastened To Concrete, Add</i>	0.16	
			<i>For Mechanically Fastened To Gypsum, Add</i>	0.31	
07 22 16 00-0064			Polyisocyanurate And Oriented Strand Board, Nailbase Roof Board Insulation (07 22 16 00-0001)		
			Note: Includes a polyisocyanurate foam core bonded to a 7/16" oriented strand board (OSB) facer.		
07 22 16 00-0065	SF		1.5" Thick, R6.2, Polyisocyanurate And Oriented Strand Board, Nailbase Roof Board Insulation.....	2.87	
			<i>For Mechanically Fastened To Wood Or Steel, Deduct</i>	-0.09	
			<i>For Mechanically Fastened To Concrete, Add</i>	0.27	
			<i>For Mechanically Fastened To Gypsum, Add</i>	0.41	
07 22 16 00-0066	SF		2" Thick, R9.1, Polyisocyanurate And Oriented Strand Board, Nailbase Roof Board Insulation.....	3.01	
			<i>For Mechanically Fastened To Wood Or Steel, Deduct</i>	-0.09	
			<i>For Mechanically Fastened To Concrete, Add</i>	0.27	
			<i>For Mechanically Fastened To Gypsum, Add</i>	0.41	
07 22 16 00-0067	SF		2.5" Thick, R12.0, Polyisocyanurate And Oriented Strand Board, Nailbase Roof Board Insulation.....	3.19	
			<i>For Mechanically Fastened To Wood Or Steel, Deduct</i>	-0.05	
			<i>For Mechanically Fastened To Concrete, Add</i>	0.32	
			<i>For Mechanically Fastened To Gypsum, Add</i>	0.45	
07 22 16 00-0068	SF		3" Thick, R15.0, Polyisocyanurate And Oriented Strand Board, Nailbase Roof Board Insulation.....	3.30	
			<i>For Mechanically Fastened To Wood Or Steel, Deduct</i>	-0.05	
			<i>For Mechanically Fastened To Concrete, Add</i>	0.32	
			<i>For Mechanically Fastened To Gypsum, Add</i>	0.48	
07 22 16 00-0069	SF		3.5" Thick, R18.0, Polyisocyanurate And Oriented Strand Board, Nailbase Roof Board Insulation.....	3.57	
			<i>For Mechanically Fastened To Wood Or Steel, Deduct</i>	0.01	
			<i>For Mechanically Fastened To Concrete, Add</i>	0.39	
			<i>For Mechanically Fastened To Gypsum, Add</i>	0.50	
07 22 16 00-0070	SF		4" Thick, R21.1, Polyisocyanurate And Oriented Strand Board, Nailbase Roof Board Insulation.....	3.68	
			<i>For Mechanically Fastened To Wood Or Steel, Deduct</i>	0.01	
			<i>For Mechanically Fastened To Concrete, Add</i>	0.39	
			<i>For Mechanically Fastened To Gypsum, Add</i>	0.53	
07 22 16 00-0071	SF		4.5" Thick, R24.2, Polyisocyanurate And Oriented Strand Board, Nailbase Roof Board Insulation.....	3.89	
			<i>For Mechanically Fastened To Wood Or Steel, Add</i>	0.07	
			<i>For Mechanically Fastened To Concrete, Add</i>	0.48	
			<i>For Mechanically Fastened To Gypsum, Add</i>	0.61	
07 22 16 00-0072			Polyisocyanurate And Oriented Strand Board With Air Vent Spacer Strips, Nailbase Roof Board Insulation (07 22 16 00-0001)		
			Note: Includes a polyisocyanurate foam core bonded to a 7/16" oriented strand board (OSB) facer.		
07 22 16 00-0073	SF		2.5" Thick, R5.7, Polyisocyanurate And Oriented Strand Board With Air Vent Spacer Strips, Nailbase Roof Board Insulation	2.89	
			<i>For Mechanically Fastened To Wood Or Steel, Deduct</i>	-0.05	
			<i>For Mechanically Fastened To Concrete, Add</i>	0.31	
			<i>For Mechanically Fastened To Gypsum, Add</i>	0.44	

07 Thermal And Moisture Protection**07 20 Thermal Protection****07 22 Roof And Deck Insulation**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 22 16 00-0074	SF		3" Thick, R8.6, Polyisocyanurate And Oriented Strand Board With Air Vent Spacer Strips, Nailbase Roof Board Insulation.....	3.14	
			<i>For Mechanically Fastened To Wood Or Steel, Deduct</i>	-0.05	
			<i>For Mechanically Fastened To Concrete, Add</i>	0.31	
			<i>For Mechanically Fastened To Gypsum, Add</i>	0.47	
07 22 16 00-0075	SF		3.5" Thick, R11.4, Polyisocyanurate And Oriented Strand Board With Air Vent Spacer Strips, Nailbase Roof Board Insulation.....	3.41	
			<i>For Mechanically Fastened To Wood Or Steel, Deduct</i>	0.01	
			<i>For Mechanically Fastened To Concrete, Add</i>	0.38	
			<i>For Mechanically Fastened To Gypsum, Add</i>	0.49	
07 22 16 00-0076	SF		4" Thick, R14.4, Polyisocyanurate And Oriented Strand Board With Air Vent Spacer Strips, Nailbase Roof Board Insulation.....	3.60	
			<i>For Mechanically Fastened To Wood Or Steel, Deduct</i>	0.01	
			<i>For Mechanically Fastened To Concrete, Add</i>	0.38	
			<i>For Mechanically Fastened To Gypsum, Add</i>	0.52	
07 22 16 00-0077	SF		4.5" Thick, R17.4, Polyisocyanurate And Oriented Strand Board With Air Vent Spacer Strips, Nailbase Roof Board Insulation.....	3.84	
			<i>For Mechanically Fastened To Wood Or Steel, Add</i>	0.07	
			<i>For Mechanically Fastened To Concrete, Add</i>	0.45	
			<i>For Mechanically Fastened To Gypsum, Add</i>	0.58	
07 22 16 00-0078	SF		5" Thick, R20.5, Polyisocyanurate And Oriented Strand Board With Air Vent Spacer Strips, Nailbase Roof Board Insulation.....	4.09	
			<i>For Mechanically Fastened To Wood Or Steel, Add</i>	0.07	
			<i>For Mechanically Fastened To Concrete, Add</i>	0.45	
			<i>For Mechanically Fastened To Gypsum, Add</i>	0.58	
07 22 16 00-0079	SF		5.5" Thick, R23.6, Polyisocyanurate And Oriented Strand Board With Air Vent Spacer Strips, Nailbase Roof Board Insulation.....	4.57	
			<i>For Mechanically Fastened To Wood Or Steel, Add</i>	0.28	
			<i>For Mechanically Fastened To Concrete, Add</i>	0.69	
			<i>For Mechanically Fastened To Gypsum, Add</i>	0.69	
07 22 16 00-0080			Rigid Board Tapered Roofing Insulation <small>(07 22 16)</small> Note: Includes tapered board and filler board required to maintain slope starting at 1/2" minimum thickness. Excludes base layer of board, if required. Average thickness and average R-value of tapered system excludes thickness and R-value of base layer insulation and/or coverboard.		
07 22 16 00-0081			Tapered Polyisocyanurate Board <small>(07 22 16 00-0080)</small> Note: Includes polyurethane adhesive.		
07 22 16 00-0082			1/8" Slope, Tapered Polyisocyanurate Board <small>(07 22 16 00-0081)</small>		
07 22 16 00-0083	SF		2.25" Average Thickness (12.8 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board.....	2.89	
			<i>For 25 PSI Compressive Strength, Add</i>	0.17	
			<i>For Hot-Mopped, Deduct</i>	-0.11	
			<i>For Mechanically Fastened To Wood Or Steel, Deduct</i>	-0.05	
			<i>For Mechanically Fastened To Concrete, Add</i>	0.25	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	0.67	
07 22 16 00-0084	SF		2.75" Average Thickness (15.7 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board.....	4.13	
			<i>For 25 PSI Compressive Strength, Add</i>	0.20	
			<i>For Hot-Mopped, Deduct</i>	-0.23	
			<i>For Mechanically Fastened To Wood Or Steel, Deduct</i>	-0.05	
			<i>For Mechanically Fastened To Concrete, Add</i>	0.48	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.14	
07 22 16 00-0085	SF		3.25" Average Thickness (18.5 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board.....	4.43	
			<i>For 25 PSI Compressive Strength, Add</i>	0.23	
			<i>For Hot-Mopped, Deduct</i>	-0.23	
			<i>For Mechanically Fastened To Wood Or Steel, Deduct</i>	-0.05	
			<i>For Mechanically Fastened To Concrete, Add</i>	0.48	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.17	
07 22 16 00-0086	SF		3.75" Average Thickness (21.4 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board.....	4.74	
			<i>For 25 PSI Compressive Strength, Add</i>	0.26	
			<i>For Hot-Mopped, Deduct</i>	-0.23	
			<i>For Mechanically Fastened To Wood Or Steel, Add</i>	0.01	
			<i>For Mechanically Fastened To Concrete, Add</i>	0.54	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.18	
07 22 16 00-0087	SF		4.25" Average Thickness (24.2 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board.....	5.04	
			<i>For 25 PSI Compressive Strength, Add</i>	0.29	
			<i>For Hot-Mopped, Deduct</i>	-0.23	
			<i>For Mechanically Fastened To Wood Or Steel, Add</i>	0.01	
			<i>For Mechanically Fastened To Concrete, Add</i>	0.54	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.21	
07 22 16 00-0088	SF		4.75" Average Thickness (27.1 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board.....	6.29	
			<i>For 25 PSI Compressive Strength, Add</i>	0.32	
			<i>For Hot-Mopped, Deduct</i>	-0.34	
			<i>For Mechanically Fastened To Wood Or Steel, Add</i>	0.07	
			<i>For Mechanically Fastened To Concrete, Add</i>	0.84	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.73	
07 22 16 00-0089	SF		5.25" Average Thickness (30.0 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board.....	6.60	
			<i>For 25 PSI Compressive Strength, Add</i>	0.35	
			<i>For Hot-Mopped, Deduct</i>	-0.34	
			<i>For Mechanically Fastened To Wood Or Steel, Add</i>	0.07	
			<i>For Mechanically Fastened To Concrete, Add</i>	0.84	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.73	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 22 16 00-0090 SF 5.75" Average Thickness (32.8 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board	6.90	
<i>For 25 PSI Compressive Strength, Add</i>	0.38	
<i>For Hot-Mopped, Deduct</i>	-0.34	
<i>For Mechanically Fastened To Wood Or Steel, Add</i>	0.28	
<i>For Mechanically Fastened To Concrete, Add</i>	1.05	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.81	
07 22 16 00-0091 SF 6.25" Average Thickness (35.6 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board	7.20	
<i>For 25 PSI Compressive Strength, Add</i>	0.41	
<i>For Hot-Mopped, Deduct</i>	-0.34	
<i>For Mechanically Fastened To Wood Or Steel, Add</i>	0.28	
<i>For Mechanically Fastened To Concrete, Add</i>	1.05	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.81	
07 22 16 00-0092 SF 6.75" Average Thickness (38.5 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board	8.44	
<i>For 25 PSI Compressive Strength, Add</i>	0.44	
<i>For Hot-Mopped, Deduct</i>	-0.46	
<i>For Mechanically Fastened To Wood Or Steel, Add</i>	0.34	
<i>For Mechanically Fastened To Concrete, Add</i>	1.34	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	2.44	
07 22 16 00-0093 1/4" Slope, Tapered Polyisocyanurate Board <small>(07 22 16 00-0081)</small>		
07 22 16 00-0094 SF 2" Average Thickness (11.4 Average R-Value), 1/4" Slope, Tapered Polyisocyanurate Board	2.74	
<i>For 25 PSI Compressive Strength, Add</i>	0.16	
<i>For Hot-Mopped, Deduct</i>	-0.11	
<i>For Mechanically Fastened To Wood Or Steel, Deduct</i>	-0.05	
<i>For Mechanically Fastened To Concrete, Add</i>	0.25	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	0.67	
07 22 16 00-0095 SF 3" Average Thickness (17.1 Average R-Value), 1/4" Slope, Tapered Polyisocyanurate Board	4.28	
<i>For 25 PSI Compressive Strength, Add</i>	0.22	
<i>For Hot-Mopped, Deduct</i>	-0.23	
<i>For Mechanically Fastened To Wood Or Steel, Deduct</i>	-0.05	
<i>For Mechanically Fastened To Concrete, Add</i>	0.48	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.14	
07 22 16 00-0096 SF 4" Average Thickness (22.8 Average R-Value), 1/4" Slope, Tapered Polyisocyanurate Board	4.89	
<i>For 25 PSI Compressive Strength, Add</i>	0.28	
<i>For Hot-Mopped, Deduct</i>	-0.23	
<i>For Mechanically Fastened To Wood Or Steel, Add</i>	0.01	
<i>For Mechanically Fastened To Concrete, Add</i>	0.54	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.18	
07 22 16 00-0097 SF 5" Average Thickness (28.5 Average R-Value), 1/4" Slope, Tapered Polyisocyanurate Board	6.44	
<i>For 25 PSI Compressive Strength, Add</i>	0.34	
<i>For Hot-Mopped, Deduct</i>	-0.34	
<i>For Mechanically Fastened To Wood Or Steel, Add</i>	0.07	
<i>For Mechanically Fastened To Concrete, Add</i>	0.84	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.73	
07 22 16 00-0098 SF 6" Average Thickness (34.2 Average R-Value), 1/4" Slope, Tapered Polyisocyanurate Board	7.05	
<i>For 25 PSI Compressive Strength, Add</i>	0.40	
<i>For Hot-Mopped, Deduct</i>	-0.34	
<i>For Mechanically Fastened To Wood Or Steel, Add</i>	0.28	
<i>For Mechanically Fastened To Concrete, Add</i>	1.05	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.81	
07 22 16 00-0099 SF 7" Average Thickness (39.9 Average R-Value), 1/4" Slope, Tapered Polyisocyanurate Board	8.60	
<i>For 25 PSI Compressive Strength, Add</i>	0.46	
<i>For Hot-Mopped, Deduct</i>	-0.46	
<i>For Mechanically Fastened To Wood Or Steel, Add</i>	0.34	
<i>For Mechanically Fastened To Concrete, Add</i>	1.34	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	2.44	
07 22 16 00-0100 1/2" Slope, Tapered Polyisocyanurate Board <small>(07 22 16 00-0081)</small>		
07 22 16 00-0101 SF 3.5" Average Thickness (20.0 Average R-Value), 1/2" Slope, Tapered Polyisocyanurate Board	4.59	
<i>For 25 PSI Compressive Strength, Add</i>	0.25	
<i>For Hot-Mopped, Deduct</i>	-0.23	
<i>For Mechanically Fastened To Wood Or Steel, Deduct</i>	-0.05	
<i>For Mechanically Fastened To Concrete, Add</i>	0.48	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.17	
07 22 16 00-0102 SF 5.5" Average Thickness (31.4 Average R-Value), 1/2" Slope, Tapered Polyisocyanurate Board	6.75	
<i>For 25 PSI Compressive Strength, Add</i>	0.37	
<i>For Hot-Mopped, Deduct</i>	-0.34	
<i>For Mechanically Fastened To Wood Or Steel, Add</i>	0.07	
<i>For Mechanically Fastened To Concrete, Add</i>	0.84	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.73	
07 22 16 00-0103 SF 7.5" Average Thickness (42.8 Average R-Value), 1/2" Slope, Tapered Polyisocyanurate Board	8.90	
<i>For 25 PSI Compressive Strength, Add</i>	0.49	
<i>For Hot-Mopped, Deduct</i>	-0.46	
<i>For Mechanically Fastened To Wood Or Steel, Add</i>	0.34	
<i>For Mechanically Fastened To Concrete, Add</i>	1.34	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	2.44	
07 22 16 00-0104 SF 9.5" Average Thickness (54.2 Average R-Value), 1/2" Slope, Tapered Polyisocyanurate Board	11.06	
<i>For 25 PSI Compressive Strength, Add</i>	0.61	
<i>For Hot-Mopped, Deduct</i>	-0.58	
<i>For Mechanically Fastened To Wood Or Steel, Add</i>	0.67	
<i>For Mechanically Fastened To Concrete, Add</i>	1.91	

07 Thermal And Moisture Protection**07 20 Thermal Protection****07 22 Roof And Deck Insulation**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 22 16 00-0105 Tapered Expanded Polystyrene Board (EPS) (07 22 16 00-0080) Note: Includes polyurethane adhesive.		
07 22 16 00-0106 1/8" Slope, Tapered Expanded Polystyrene Board (EPS) (07 22 16 00-0105)		
07 22 16 00-0107 SF 2.25" Average Thickness (10.13 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS)	2.55	
For Mechanically Fastened To Wood Or Steel, Deduct	-0.05	
For Mechanically Fastened To Concrete, Add	0.25	
For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	0.67	
07 22 16 00-0108 SF 2.75" Average Thickness (12.38 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS)	3.80	
For Mechanically Fastened To Wood Or Steel, Deduct	-0.05	
For Mechanically Fastened To Concrete, Add	0.48	
For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	1.14	
07 22 16 00-0109 SF 3.25" Average Thickness (14.63 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS)	4.02	
For Mechanically Fastened To Wood Or Steel, Deduct	-0.05	
For Mechanically Fastened To Concrete, Add	0.48	
For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	1.17	
07 22 16 00-0110 SF 3.75" Average Thickness (16.88 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS)	4.25	
For Mechanically Fastened To Wood Or Steel, Add	0.01	
For Mechanically Fastened To Concrete, Add	0.54	
For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	1.18	
07 22 16 00-0111 SF 4.25" Average Thickness (19.13 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS)	4.48	
For Mechanically Fastened To Wood Or Steel, Add	0.01	
For Mechanically Fastened To Concrete, Add	0.54	
For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	1.21	
07 22 16 00-0112 SF 4.75" Average Thickness (21.38 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS)	5.73	
For Mechanically Fastened To Wood Or Steel, Add	0.07	
For Mechanically Fastened To Concrete, Add	0.84	
For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	1.73	
07 22 16 00-0113 SF 5.25" Average Thickness (23.63 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS)	5.96	
For Mechanically Fastened To Wood Or Steel, Add	0.07	
For Mechanically Fastened To Concrete, Add	0.84	
For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	1.73	
07 22 16 00-0114 SF 5.75" Average Thickness (25.88 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS)	6.19	
For Mechanically Fastened To Wood Or Steel, Add	0.28	
For Mechanically Fastened To Concrete, Add	1.05	
For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	1.81	
07 22 16 00-0115 SF 6.25" Average Thickness (28.13 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS)	6.41	
For Mechanically Fastened To Wood Or Steel, Add	0.28	
For Mechanically Fastened To Concrete, Add	1.05	
For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	1.81	
07 22 16 00-0116 SF 6.75" Average Thickness (30.38 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS)	7.66	
For Mechanically Fastened To Wood Or Steel, Add	0.34	
For Mechanically Fastened To Concrete, Add	1.34	
For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	2.44	
07 22 16 00-0117 1/4" Slope, Tapered Expanded Polystyrene Board (EPS) (07 22 16 00-0105)		
07 22 16 00-0118 SF 2" Average Thickness (9 Average R-Value), 1/4" Slope, Tapered Expanded Polystyrene Board (EPS)	2.43	
For Mechanically Fastened To Wood Or Steel, Deduct	-0.05	
For Mechanically Fastened To Concrete, Add	0.25	
For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	0.67	
07 22 16 00-0119 SF 3" Average Thickness (13.5 Average R-Value), 1/4" Slope, Tapered Expanded Polystyrene Board (EPS)	3.91	
For Mechanically Fastened To Wood Or Steel, Deduct	-0.05	
For Mechanically Fastened To Concrete, Add	0.48	
For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	1.14	
07 22 16 00-0120 SF 4" Average Thickness (18 Average R-Value), 1/4" Slope, Tapered Expanded Polystyrene Board (EPS)	4.36	
For Mechanically Fastened To Wood Or Steel, Add	0.01	
For Mechanically Fastened To Concrete, Add	0.54	
For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	1.18	
07 22 16 00-0121 SF 5" Average Thickness (22.5 Average R-Value), 1/4" Slope, Tapered Expanded Polystyrene Board (EPS)	5.85	
For Mechanically Fastened To Wood Or Steel, Add	0.07	
For Mechanically Fastened To Concrete, Add	0.84	
For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	1.73	
07 22 16 00-0122 SF 6" Average Thickness (27 Average R-Value), 1/4" Slope, Tapered Expanded Polystyrene Board (EPS)	6.30	
For Mechanically Fastened To Wood Or Steel, Add	0.28	
For Mechanically Fastened To Concrete, Add	1.05	
For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	1.81	
07 22 16 00-0123 SF 7" Average Thickness (31.5 Average R-Value), 1/4" Slope, Tapered Expanded Polystyrene Board (EPS)	7.78	
For Mechanically Fastened To Wood Or Steel, Add	0.34	
For Mechanically Fastened To Concrete, Add	1.34	
For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	2.44	
07 22 16 00-0124 1/2" Slope, Tapered Expanded Polystyrene Board (EPS) (07 22 16 00-0105)		
07 22 16 00-0125 SF 3.5" Average Thickness (15.75 Average R-Value), 1/2" Slope, Tapered Expanded Polystyrene Board (EPS)	4.14	
For Mechanically Fastened To Wood Or Steel, Deduct	-0.05	
For Mechanically Fastened To Concrete, Add	0.48	
For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	1.17	
07 22 16 00-0126 SF 5.5" Average Thickness (24.75 Average R-Value), 1/2" Slope, Tapered Expanded Polystyrene Board (EPS)	6.07	
For Mechanically Fastened To Wood Or Steel, Add	0.07	
For Mechanically Fastened To Concrete, Add	0.84	
For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	1.73	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 22 16 00-0127 SF 7.5" Average Thickness (33.75 Average R-Value), 1/2" Slope, Tapered Expanded Polystyrene Board (EPS)	8.00	
<i>For Mechanically Fastened To Wood Or Steel, Add</i>	0.34	
<i>For Mechanically Fastened To Concrete, Add</i>	1.34	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	2.44	
07 22 16 00-0128 SF 9.5" Average Thickness (42.75 Average R-Value), 1/2" Slope, Tapered Expanded Polystyrene Board (EPS)	10.17	
<i>For Mechanically Fastened To Wood Or Steel, Add</i>	0.67	
<i>For Mechanically Fastened To Concrete, Add</i>	1.91	
07 22 16 00-0129 Tapered Extruded Polystyrene Board (XEPS) <small>(07 22 16 00-0080)</small>		
Note: Includes polyurethane adhesive.		
07 22 16 00-0130 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS) <small>(07 22 16 00-0129)</small>		
07 22 16 00-0131 SF 2.25" Average Thickness (12.38 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS)	2.82	
<i>For Mechanically Fastened To Wood Or Steel, Deduct</i>	-0.05	
<i>For Mechanically Fastened To Concrete, Add</i>	0.25	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	0.67	
07 22 16 00-0132 SF 2.75" Average Thickness (15.125 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS)	4.06	
<i>For Mechanically Fastened To Wood Or Steel, Deduct</i>	-0.05	
<i>For Mechanically Fastened To Concrete, Add</i>	0.48	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.14	
07 22 16 00-0133 SF 3.25" Average Thickness (17.88 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS)	4.35	
<i>For Mechanically Fastened To Wood Or Steel, Deduct</i>	-0.05	
<i>For Mechanically Fastened To Concrete, Add</i>	0.48	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.17	
07 22 16 00-0134 SF 3.75" Average Thickness (20.63 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS)	4.64	
<i>For Mechanically Fastened To Wood Or Steel, Add</i>	0.01	
<i>For Mechanically Fastened To Concrete, Add</i>	0.54	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.18	
07 22 16 00-0135 SF 4.25" Average Thickness (23.38 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS)	4.93	
<i>For Mechanically Fastened To Wood Or Steel, Add</i>	0.01	
<i>For Mechanically Fastened To Concrete, Add</i>	0.54	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.21	
07 22 16 00-0136 SF 4.75" Average Thickness (26.13 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS)	6.18	
<i>For Mechanically Fastened To Wood Or Steel, Add</i>	0.07	
<i>For Mechanically Fastened To Concrete, Add</i>	0.84	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.73	
07 22 16 00-0137 SF 5.25" Average Thickness (28.88 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS)	6.47	
<i>For Mechanically Fastened To Wood Or Steel, Add</i>	0.07	
<i>For Mechanically Fastened To Concrete, Add</i>	0.84	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.73	
07 22 16 00-0138 SF 5.75" Average Thickness (31.63 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS)	6.76	
<i>For Mechanically Fastened To Wood Or Steel, Add</i>	0.28	
<i>For Mechanically Fastened To Concrete, Add</i>	1.05	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.81	
07 22 16 00-0139 SF 6.25" Average Thickness (34.38 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS)	7.04	
<i>For Mechanically Fastened To Wood Or Steel, Add</i>	0.28	
<i>For Mechanically Fastened To Concrete, Add</i>	1.05	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.81	
07 22 16 00-0140 SF 6.75" Average Thickness (37.13 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS)	8.29	
<i>For Mechanically Fastened To Wood Or Steel, Add</i>	0.34	
<i>For Mechanically Fastened To Concrete, Add</i>	1.34	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	2.44	
07 22 16 00-0141 1/4" Slope, Tapered Extruded Polystyrene Board (XEPS) <small>(07 22 16 00-0129)</small>		
07 22 16 00-0142 SF 2" Average Thickness (11 Average R-Value), 1/4" Slope, Tapered Extruded Polystyrene Board (XEPS)	2.68	
<i>For Mechanically Fastened To Wood Or Steel, Deduct</i>	-0.05	
<i>For Mechanically Fastened To Concrete, Add</i>	0.25	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	0.67	
07 22 16 00-0143 SF 3" Average Thickness (16.5 Average R-Value), 1/4" Slope, Tapered Extruded Polystyrene Board (XEPS)	4.21	
<i>For Mechanically Fastened To Wood Or Steel, Deduct</i>	-0.05	
<i>For Mechanically Fastened To Concrete, Add</i>	0.48	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.14	
07 22 16 00-0144 SF 4" Average Thickness (22 Average R-Value), 1/4" Slope, Tapered Extruded Polystyrene Board (XEPS)	4.78	
<i>For Mechanically Fastened To Wood Or Steel, Add</i>	0.01	
<i>For Mechanically Fastened To Concrete, Add</i>	0.54	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.18	
07 22 16 00-0145 SF 5" Average Thickness (27.5 Average R-Value), 1/4" Slope, Tapered Extruded Polystyrene Board (XEPS)	6.32	
<i>For Mechanically Fastened To Wood Or Steel, Add</i>	0.07	
<i>For Mechanically Fastened To Concrete, Add</i>	0.84	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.73	
07 22 16 00-0146 SF 6" Average Thickness (33 Average R-Value), 1/4" Slope, Tapered Extruded Polystyrene Board (XEPS)	6.90	
<i>For Mechanically Fastened To Wood Or Steel, Add</i>	0.28	
<i>For Mechanically Fastened To Concrete, Add</i>	1.05	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.81	
07 22 16 00-0147 SF 7" Average Thickness (38.5 Average R-Value), 1/4" Slope, Tapered Extruded Polystyrene Board (XEPS)	8.43	
<i>For Mechanically Fastened To Wood Or Steel, Add</i>	0.34	
<i>For Mechanically Fastened To Concrete, Add</i>	1.34	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	2.44	
07 22 16 00-0148 1/2" Slope, Tapered Extruded Polystyrene Board (XEPS) <small>(07 22 16 00-0129)</small>		

07 Thermal And Moisture Protection**07 20 Thermal Protection****07 22 Roof And Deck Insulation**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 22 16 00-0149 SF 3.5" Average Thickness (19.25 Average R-Value), 1/2" Slope, Tapered Extruded Polystyrene Board (XEPS).....	4.50	
For Mechanically Fastened To Wood Or Steel, Deduct	-0.05	
For Mechanically Fastened To Concrete, Add	0.48	
For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	1.17	
07 22 16 00-0150 SF 5.5" Average Thickness (30.25 Average R-Value), 1/2" Slope, Tapered Extruded Polystyrene Board (XEPS).....	6.61	
For Mechanically Fastened To Wood Or Steel, Add	0.07	
For Mechanically Fastened To Concrete, Add	0.84	
For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	1.73	
07 22 16 00-0151 SF 7.5" Average Thickness (41.25 Average R-Value), 1/2" Slope, Tapered Extruded Polystyrene Board (XEPS).....	8.72	
For Mechanically Fastened To Wood Or Steel, Add	0.34	
For Mechanically Fastened To Concrete, Add	1.34	
For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	2.44	
07 22 16 00-0152 SF 9.5" Average Thickness (52.25 Average R-Value), 1/2" Slope, Tapered Extruded Polystyrene Board (XEPS).....	10.84	
For Mechanically Fastened To Wood Or Steel, Add	0.67	
For Mechanically Fastened To Concrete, Add	1.91	
07 22 16 00-0153 Tapered Perlite Board (07 22 16 00-0080)		
Note: Includes polyurethane adhesive.		
07 22 16 00-0154 1/8" Slope, Tapered Perlite Board (07 22 16 00-0153)		
07 22 16 00-0155 SF 2.25" Average Thickness (6.26 Average R-Value), 1/8" Slope, Tapered Perlite Board	3.76	
For Hot-Mopped, Deduct	-0.11	
For Mechanically Fastened To Wood Or Steel, Deduct	-0.05	
For Mechanically Fastened To Concrete, Add	0.25	
For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	0.67	
07 22 16 00-0156 SF 2.75" Average Thickness (7.65 Average R-Value), 1/8" Slope, Tapered Perlite Board	4.81	
For Hot-Mopped, Deduct	-0.23	
For Mechanically Fastened To Wood Or Steel, Deduct	-0.05	
For Mechanically Fastened To Concrete, Add	0.48	
For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	1.14	
07 22 16 00-0157 SF 3.25" Average Thickness (9.04 Average R-Value), 1/8" Slope, Tapered Perlite Board	5.32	
For Hot-Mopped, Deduct	-0.23	
For Mechanically Fastened To Wood Or Steel, Deduct	-0.05	
For Mechanically Fastened To Concrete, Add	0.48	
For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	1.17	
07 22 16 00-0158 SF 3.75" Average Thickness (10.43 Average R-Value), 1/8" Slope, Tapered Perlite Board	5.76	
For Hot-Mopped, Deduct	-0.23	
For Mechanically Fastened To Wood Or Steel, Add	0.01	
For Mechanically Fastened To Concrete, Add	0.54	
For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	1.18	
07 22 16 00-0159 SF 4.25" Average Thickness (11.82 Average R-Value), 1/8" Slope, Tapered Perlite Board	6.27	
For Hot-Mopped, Deduct	-0.23	
For Mechanically Fastened To Wood Or Steel, Add	0.01	
For Mechanically Fastened To Concrete, Add	0.54	
For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	1.21	
07 22 16 00-0160 SF 4.75" Average Thickness (13.21 Average R-Value), 1/8" Slope, Tapered Perlite Board	7.33	
For Hot-Mopped, Deduct	-0.34	
For Mechanically Fastened To Wood Or Steel, Add	0.07	
For Mechanically Fastened To Concrete, Add	0.84	
For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	1.73	
07 22 16 00-0161 SF 5.25" Average Thickness (14.60 Average R-Value), 1/8" Slope, Tapered Perlite Board	7.84	
For Hot-Mopped, Deduct	-0.34	
For Mechanically Fastened To Wood Or Steel, Add	0.07	
For Mechanically Fastened To Concrete, Add	0.84	
For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	1.73	
07 22 16 00-0162 SF 5.75" Average Thickness (15.99 Average R-Value), 1/8" Slope, Tapered Perlite Board	8.28	
For Hot-Mopped, Deduct	-0.34	
For Mechanically Fastened To Wood Or Steel, Add	0.28	
For Mechanically Fastened To Concrete, Add	1.05	
For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	1.81	
07 22 16 00-0163 SF 6.25" Average Thickness (17.38 Average R-Value), 1/8" Slope, Tapered Perlite Board	8.79	
For Hot-Mopped, Deduct	-0.34	
For Mechanically Fastened To Wood Or Steel, Add	0.28	
For Mechanically Fastened To Concrete, Add	1.05	
For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	1.81	
07 22 16 00-0164 SF 6.75" Average Thickness (18.77 Average R-Value), 1/8" Slope, Tapered Perlite Board	9.84	
For Hot-Mopped, Deduct	-0.46	
For Mechanically Fastened To Wood Or Steel, Add	0.34	
For Mechanically Fastened To Concrete, Add	1.34	
For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	2.44	
07 22 16 00-0165 1/4" Slope, Tapered Perlite Board (07 22 16 00-0153)		
07 22 16 00-0166 SF 2" Average Thickness (5.56 Average R-Value), 1/4" Slope, Tapered Perlite Board	3.50	
For Hot-Mopped, Deduct	-0.11	
For Mechanically Fastened To Wood Or Steel, Deduct	-0.05	
For Mechanically Fastened To Concrete, Add	0.25	
For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	0.67	
07 22 16 00-0167 SF 3" Average Thickness (8.34 Average R-Value), 1/4" Slope, Tapered Perlite Board	5.07	
For Hot-Mopped, Deduct	-0.23	
For Mechanically Fastened To Wood Or Steel, Deduct	-0.05	
For Mechanically Fastened To Concrete, Add	0.48	
For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	1.14	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 22 16 00-0168 SF 4" Average Thickness (11.12 Average R-Value), 1/4" Slope, Tapered Perlite Board	6.02	
<i>For Hot-Mopped, Deduct</i>	-0.23	
<i>For Mechanically Fastened To Wood Or Steel, Add</i>	0.01	
<i>For Mechanically Fastened To Concrete, Add</i>	0.54	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.18	
07 22 16 00-0169 SF 5" Average Thickness (13.9 Average R-Value), 1/4" Slope, Tapered Perlite Board	7.58	
<i>For Hot-Mopped, Deduct</i>	-0.34	
<i>For Mechanically Fastened To Wood Or Steel, Add</i>	0.07	
<i>For Mechanically Fastened To Concrete, Add</i>	0.84	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.73	
07 22 16 00-0170 SF 6" Average Thickness (16.68 Average R-Value), 1/4" Slope, Tapered Perlite Board	8.53	
<i>For Hot-Mopped, Deduct</i>	-0.34	
<i>For Mechanically Fastened To Wood Or Steel, Add</i>	0.28	
<i>For Mechanically Fastened To Concrete, Add</i>	1.05	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.81	
07 22 16 00-0171 SF 7" Average Thickness (19.46 Average R-Value), 1/4" Slope, Tapered Perlite Board	10.10	
<i>For Hot-Mopped, Deduct</i>	-0.46	
<i>For Mechanically Fastened To Wood Or Steel, Add</i>	0.34	
<i>For Mechanically Fastened To Concrete, Add</i>	1.34	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	2.44	
07 22 16 00-0172 1/2" Slope, Tapered Perlite Board <small>(07 22 16 00-0153)</small>		
07 22 16 00-0173 SF 3.5" Average Thickness (9.73 Average R-Value), 1/2" Slope, Tapered Perlite Board	5.58	
<i>For Hot-Mopped, Deduct</i>	-0.23	
<i>For Mechanically Fastened To Wood Or Steel, Deduct</i>	-0.05	
<i>For Mechanically Fastened To Concrete, Add</i>	0.48	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.17	
07 22 16 00-0174 SF 5.5" Average Thickness (15.29 Average R-Value), 1/2" Slope, Tapered Perlite Board	8.10	
<i>For Hot-Mopped, Deduct</i>	-0.34	
<i>For Mechanically Fastened To Wood Or Steel, Add</i>	0.07	
<i>For Mechanically Fastened To Concrete, Add</i>	0.84	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.73	
07 22 16 00-0175 SF 7.5" Average Thickness (20.85 Average R-Value), 1/2" Slope, Tapered Perlite Board	10.61	
<i>For Hot-Mopped, Deduct</i>	-0.46	
<i>For Mechanically Fastened To Wood Or Steel, Add</i>	0.34	
<i>For Mechanically Fastened To Concrete, Add</i>	1.34	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	2.44	
07 22 16 00-0176 SF 9.5" Average Thickness (26.41 Average R-Value), 1/2" Slope, Tapered Perlite Board	13.13	
<i>For Hot-Mopped, Deduct</i>	-0.58	
<i>For Mechanically Fastened To Wood Or Steel, Add</i>	0.67	
<i>For Mechanically Fastened To Concrete, Add</i>	1.91	
07 22 16 00-0177 Demolish Rigid Board Roofing Insulation <small>(07 22 16)</small>		
<small>Note: Includes removing any combination of roofing insulation systems and/or recovery board. Includes removal of any basic roof accessories and any sheet metals; except special existing conditions (mechanical equipment piping, electrical, ducts, etc.).</small>		
07 22 16 00-0178 SF Demolish Up To 1/2" Average Thickness, Rigid Board Roofing Insulation	0.44	
07 22 16 00-0179 SF Demolish >1/2" To 1" Average Thickness, Rigid Board Roofing Insulation	0.45	
07 22 16 00-0180 SF Demolish >1" To 2" Average Thickness, Rigid Board Roofing Insulation	0.46	
07 22 16 00-0181 SF Demolish >2" To 3" Average Thickness, Rigid Board Roofing Insulation	0.47	
07 22 16 00-0182 SF Demolish >3" To 4" Average Thickness, Rigid Board Roofing Insulation	0.48	
07 22 16 00-0183 SF Demolish >4" To 5" Average Thickness, Rigid Board Roofing Insulation	0.49	
07 22 16 00-0184 SF Demolish >5" To 6" Average Thickness, Rigid Board Roofing Insulation	0.50	
07 22 16 00-0185 SF Demolish >6" To 7" Average Thickness, Rigid Board Roofing Insulation	0.52	
07 22 16 00-0186 SF Demolish >7" To 8" Average Thickness, Rigid Board Roofing Insulation	0.53	
07 22 16 00-0187 SF Demolish >8" To 9" Average Thickness, Rigid Board Roofing Insulation	0.54	
07 22 16 00-0188 SF Demolish >9" To 10" Average Thickness, Rigid Board Roofing Insulation	0.55	
07 22 16 00-0189 SF Demolish >10" To 11" Average Thickness, Rigid Board Roofing Insulation	0.57	
07 22 16 00-0190 SF Demolish >11" To 12" Average Thickness, Rigid Board Roofing Insulation	0.58	
07 24 Exterior Insulation And Finish Systems <small>(07 20)</small>		
07 24 13 Polymer-Based Exterior Insulation And Finish System <small>(07 24)</small>		
07 24 13 00-0001 Exterior Insulation Finishing System (EIFS) <small>(07 24 13)</small>		
07 24 13 00-0002 Insulation For Exterior Insulation Finishing Systems (EIFS) <small>(07 24 13 00-0001)</small>		
07 24 13 00-0003 SF 1" Thick, R3.85, Molded Expanded Polystyrene, Foam Board Insulation For Exterior Insulation Finishing Systems (EIFS), Adhesive Applied	2.56	
<i>For Up To 100, Add</i>	0.65	
<i>For >100 To 500, Add</i>	0.33	
<i>For >5,000, Deduct</i>	-0.13	
<i>For Adhesive And Mechanically Fastened To Wood Or Steel, Add</i>	0.43	
<i>For Adhesive And Mechanically Fastened To Concrete Or Masonry, Add</i>	0.75	
07 24 13 00-0004 SF 1-1/2" Thick, R5.78, Molded Expanded Polystyrene, Foam Board Insulation For Exterior Insulation Finishing Systems (EIFS), Adhesive Applied	2.85	
<i>For Up To 100, Add</i>	0.65	
<i>For >100 To 500, Add</i>	0.33	
<i>For >5,000, Deduct</i>	-0.13	
<i>For Adhesive And Mechanically Fastened To Wood Or Steel, Add</i>	0.45	
<i>For Adhesive And Mechanically Fastened To Concrete Or Masonry, Add</i>	0.76	

07 Thermal And Moisture Protection**07 20 Thermal Protection****07 24 Exterior Insulation And Finish Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 24 13 00-0005	SF		2" Thick, R7.70, Molded Expanded Polystyrene, Foam Board Insulation For Exterior Insulation Finishing Systems (EIFS), Adhesive Applied.....	3.14	
			<i>For Up To 100, Add</i>	0.65	
			<i>For >100 To 500, Add</i>	0.33	
			<i>For >5,000, Deduct</i>	-0.13	
			<i>For Adhesive And Mechanically Fastened To Wood Or Steel, Add</i>	0.50	
			<i>For Adhesive And Mechanically Fastened To Concrete Or Masonry, Add</i>	0.83	
07 24 13 00-0006	SF		2-1/2" Thick, R9.63, Molded Expanded Polystyrene, Foam Board Insulation For Exterior Insulation Finishing Systems (EIFS), Adhesive Applied.....	3.42	
			<i>For Up To 100, Add</i>	0.65	
			<i>For >100 To 500, Add</i>	0.33	
			<i>For >5,000, Deduct</i>	-0.13	
			<i>For Adhesive And Mechanically Fastened To Wood Or Steel, Add</i>	0.55	
			<i>For Adhesive And Mechanically Fastened To Concrete Or Masonry, Add</i>	0.87	
07 24 13 00-0007	SF		3" Thick, R11.55, Molded Expanded Polystyrene, Foam Board Insulation For Exterior Insulation Finishing Systems (EIFS), Adhesive Applied.....	3.71	
			<i>For Up To 100, Add</i>	0.65	
			<i>For >100 To 500, Add</i>	0.33	
			<i>For >5,000, Deduct</i>	-0.13	
			<i>For Adhesive And Mechanically Fastened To Wood Or Steel, Add</i>	0.55	
			<i>For Adhesive And Mechanically Fastened To Concrete Or Masonry, Add</i>	0.87	
07 24 13 00-0008	SF		4" Thick, R15.40, Molded Expanded Polystyrene, Foam Board Insulation For Exterior Insulation Finishing Systems (EIFS), Adhesive Applied.....	4.28	
			<i>For Up To 100, Add</i>	0.65	
			<i>For >100 To 500, Add</i>	0.33	
			<i>For >5,000, Deduct</i>	-0.13	
			<i>For Adhesive And Mechanically Fastened To Wood Or Steel, Add</i>	0.62	
			<i>For Adhesive And Mechanically Fastened To Concrete Or Masonry, Add</i>	0.94	
07 24 13 00-0009			Fiberglass Reinforcing Mesh For Exterior Insulation Finishing Systems (EIFS) <small>(07 24 13 00-0001)</small>		
			Note: Includes applying a layer of base coat to the insulation board and fully embedding the reinforcing fabric in the wet base coat.		
07 24 13 00-0010	SF		4.3 OZ, Fiberglass Reinforcing Mesh For Exterior Insulation Finishing Systems (EIFS) (Dryvit S-Mesh), Embedded In A Layer Of Base Coat.....	3.62	
			<i>For Up To 100, Add</i>	1.31	
			<i>For >100 To 500, Add</i>	0.65	
			<i>For >5,000, Deduct</i>	-0.26	
07 24 13 00-0011	SF		6.0 OZ, Fiberglass Reinforcing Mesh For Exterior Insulation Finishing Systems (EIFS) (Dryvit SP-Mesh), Embedded In A Layer Of Base Coat.....	3.91	
			<i>For Up To 100, Add</i>	1.31	
			<i>For >100 To 500, Add</i>	0.65	
			<i>For >5,000, Deduct</i>	-0.26	
07 24 13 00-0012	SF		15.0 OZ, Fiberglass Reinforcing Mesh For Exterior Insulation Finishing Systems (EIFS) (Dryvit Panzer® 15), Embedded In A Layer Of Base Coat.....	4.71	
			<i>For Up To 100, Add</i>	1.31	
			<i>For >100 To 500, Add</i>	0.65	
			<i>For >5,000, Deduct</i>	-0.26	
07 24 13 00-0013	SF		20.0 OZ, Fiberglass Reinforcing Mesh For Exterior Insulation Finishing Systems (EIFS) (Dryvit Panzer® 20), Embedded In A Layer Of Base Coat.....	4.95	
			<i>For Up To 100, Add</i>	1.31	
			<i>For >100 To 500, Add</i>	0.65	
			<i>For >5,000, Deduct</i>	-0.26	
07 24 13 00-0014			Base Coats For Exterior Insulation Finishing Systems (EIFS) <small>(07 24 13 00-0001)</small>		
07 24 13 00-0015	SF		Polymer-Based, Fiber-Reinforced Base Coat For Exterior Insulation Finishing Systems (EIFS) (Dryvit Genesis® DM).....	1.77	
			<i>For Up To 100, Add</i>	0.65	
			<i>For >100 To 500, Add</i>	0.33	
			<i>For >5,000, Deduct</i>	-0.13	
07 24 13 00-0016	SF		Acrylic-Modified, Fiber-Reinforced Base Coat For Exterior Insulation Finishing Systems (EIFS) (Dryvit Genesis®).....	1.99	
			<i>For Up To 100, Add</i>	0.65	
			<i>For >100 To 500, Add</i>	0.33	
			<i>For >5,000, Deduct</i>	-0.13	
07 24 13 00-0017	SF		Water Resistant, Acrylic Co-Polymer Base Coat For Exterior Insulation Finishing Systems (EIFS) (Dryvit Dryflex®).....	3.18	
			<i>For Up To 100, Add</i>	0.65	
			<i>For >100 To 500, Add</i>	0.33	
			<i>For >5,000, Deduct</i>	-0.13	
07 24 13 00-0018	SF		Hydrostatic Water Resistant, Acrylic Co-Polymer Base Coat For Exterior Insulation Finishing Systems (EIFS) (Dryvit Dryflex®).....	4.12	
			<i>For Up To 100, Add</i>	0.65	
			<i>For >100 To 500, Add</i>	0.33	
			<i>For >5,000, Deduct</i>	-0.13	
07 24 13 00-0019			Finish Coats For Exterior Insulation Finishing Systems (EIFS) <small>(07 24 13 00-0001)</small>		
			Note: Includes all standard manufacturers' colors.		
07 24 13 00-0020	SF		100% Acrylic-Based Aggregate Fine Finish Coat For Exterior Insulation Finishing Systems (EIFS) (Dryvit DPR Finish).....	3.14	
			<i>For Up To 100, Add</i>	1.31	
			<i>For >100 To 500, Add</i>	0.65	
			<i>For >5,000, Deduct</i>	-0.26	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 24 13 00-0021 SF 100% Acrylic-Based Aggregate Textured Finish Coat For Exterior Insulation Finishing Systems (EIFS) (Dryvit DPR Finish).....	3.19	
<i>For Up To 100, Add</i>	1.31	
<i>For >100 To 500, Add</i>	0.65	
<i>For >5,000, Deduct</i>	-0.26	
07 24 13 00-0022 SF Lightweight Elastic, 100% Acrylic-Based Aggregate Fine Finish Coat For Exterior Insulation Finishing Systems (EIFS) (Dryvit E™ Finish).....	3.53	
<i>For Up To 100, Add</i>	1.31	
<i>For >100 To 500, Add</i>	0.65	
<i>For >5,000, Deduct</i>	-0.26	
07 24 13 00-0023 SF Lightweight Elastic, 100% Acrylic-Based Aggregate Textured Finish Coat For Exterior Insulation Finishing Systems (EIFS) (Dryvit E™ Finish).....	3.84	
<i>For Up To 100, Add</i>	1.31	
<i>For >100 To 500, Add</i>	0.65	
<i>For >5,000, Deduct</i>	-0.26	
07 24 13 00-0024 SF Mildew Resistant, 100% Acrylic-Based Aggregate Fine Finish Coat For Exterior Insulation Finishing Systems (EIFS) (Dryvit PMR™ Finish).....	3.54	
<i>For Up To 100, Add</i>	1.31	
<i>For >100 To 500, Add</i>	0.65	
<i>For >5,000, Deduct</i>	-0.26	
07 24 13 00-0025 SF Mildew Resistant, 100% Acrylic-Based Aggregate Textured Finish Coat For Exterior Insulation Finishing Systems (EIFS) (Dryvit PMR™ Finish).....	3.84	
<i>For Up To 100, Add</i>	1.31	
<i>For >100 To 500, Add</i>	0.65	
<i>For >5,000, Deduct</i>	-0.26	
07 24 13 00-0026 SF Flexible Elastomeric, 100% Acrylic-Based Smooth Finish Coat For Exterior Insulation Finishing Systems (EIFS) (Dryvit Weatherlastic® Smooth).....	3.24	
<i>For Up To 100, Add</i>	1.31	
<i>For >100 To 500, Add</i>	0.65	
<i>For >5,000, Deduct</i>	-0.26	
07 24 13 00-0027 SF Flexible Elastomeric, 100% Acrylic-Based Textured Finish Coat For Exterior Insulation Finishing Systems (EIFS) (Dryvit Weatherlastic®).....	3.56	
<i>For Up To 100, Add</i>	1.31	
<i>For >100 To 500, Add</i>	0.65	
<i>For >5,000, Deduct</i>	-0.26	
07 24 13 00-0028 SF 100% Acrylic-Based Finish With Multi-Colored Quartz Aggregates, Finish Coat For Exterior Insulation Finishing Systems (EIFS) (Dryvit Ameristone™).....	6.31	
<i>For Up To 100, Add</i>	1.31	
<i>For >100 To 500, Add</i>	0.65	
<i>For >5,000, Deduct</i>	-0.26	
07 24 13 00-0029 Primer And Sealers For Exterior Insulation Finishing Systems (EIFS) (07 24 13 00-0001)		
07 24 13 00-0030 SF 100% Acrylic-Based Primer/Adhesion Promoter For Exterior Insulation Finishing Systems (EIFS) (Dryvit Prymit®).....	0.92	
<i>For Up To 100, Add</i>	0.37	
<i>For >100 To 500, Add</i>	0.18	
<i>For >5,000, Deduct</i>	-0.07	
07 24 13 00-0031 SF 100% Acrylic Emulsion Primer/Sealer For Exterior Insulation Finishing Systems (EIFS) (Dryvit SealClear™).....	0.94	
<i>For Up To 100, Add</i>	0.37	
<i>For >100 To 500, Add</i>	0.18	
<i>For >5,000, Deduct</i>	-0.07	
07 24 13 00-0032 Air/Water/Vapor Barriers For Exterior Insulation Finishing Systems (EIFS) (07 24 13 00-0001)		
07 24 13 00-0033 SF Smooth, High Performance, Polymer-Based, Non-Cementitious Water-Resistive Membrane And Air Barrier For Exterior Insulation Finishing Systems (EIFS) (Dryvit Backstop® NT™), Per Coat.....	1.18	
<i>For Up To 100, Add</i>	0.37	
<i>For >100 To 500, Add</i>	0.18	
<i>For >5,000, Deduct</i>	-0.07	
07 24 13 00-0034 SF Texture, High Performance, Polymer-Based, Non-Cementitious Water-Resistive Membrane And Air Barrier For Exterior Insulation Finishing Systems (EIFS) (Dryvit Backstop® NT™), Per Coat.....	1.41	
<i>For Up To 100, Add</i>	0.37	
<i>For >100 To 500, Add</i>	0.18	
<i>For >5,000, Deduct</i>	-0.07	
07 24 13 00-0035 Drainage Accessories For Exterior Insulation Finishing Systems (EIFS) (07 24 13 00-0001)		
07 24 13 00-0036 SF 1/8" Thick, Flexible Polyamide Drainage Mat For Exterior Insulation Finishing Systems (EIFS) (Dryvit Drainage Mat).....	1.71	
<i>For Up To 100, Add</i>	0.41	
<i>For >100 To 500, Add</i>	0.20	
<i>For >5,000, Deduct</i>	-0.08	
07 24 13 00-0037 Starter Tracks For Exterior Insulation Finishing Systems (EIFS) (07 24 13 00-0001)		
07 24 13 00-0038 LF 1" Width, PVC Perforated "J" Channel Drainage Track (Dryvit Starter Trac STWP).....	2.37	
07 24 13 00-0039 LF 1-1/2" Width, PVC Perforated "J" Channel Drainage Track (Dryvit Starter Trac STWP).....	2.54	
07 24 13 00-0040 LF 2" Width, PVC Perforated "J" Channel Drainage Track (Dryvit Starter Trac STWP).....	2.73	
07 24 13 00-0041 LF 3" Width, PVC Perforated "J" Channel Drainage Track (Dryvit Starter Trac STWP).....	3.14	
07 24 13 00-0042 LF 1" Width, PVC Perforated "J" Channel Drainage Track With Drip Edge (Dryvit Starter Trac STDE).....	2.54	
07 24 13 00-0043 LF 1-1/2" Width, PVC Perforated "J" Channel Drainage Track With Drip Edge (Dryvit Starter Trac STDE).....	2.73	
07 24 13 00-0044 LF 2" Width, PVC Perforated "J" Channel Drainage Track With Drip Edge (Dryvit Starter Trac STDE).....	2.92	
07 24 13 00-0045 LF 3" Width, PVC Perforated "J" Channel Drainage Track With Drip Edge (Dryvit Starter Trac STDE).....	3.37	

07 Thermal And Moisture Protection**07 20 Thermal Protection****07 24 Exterior Insulation And Finish Systems**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

07 24 13 00-0046	Demolish Exterior Insulation Finishing Systems (EIFS) <small>(07 24 13 00-0001)</small>		
07 24 13 00-0047	SF Demolish Exterior Insulation Finishing Systems (EIFS).....	2.45	
	Note: Includes demolition of all finish coats, base coats, reinforcing layers and insulation layers down to the substrate. Excludes demolition of sheathing.		
	For Up To 100, Add	1.23	
	For >100 To 500, Add	0.61	
	For >5,000, Deduct	-0.25	

07 25 Weather Barriers (07)**07 26 Vapor Retarders** (07 25)**07 26 13 Above-Grade Vapor Retarders** (07 26)

07 26 13 00-0001	CSF Two Layer Kraft Paper Laminated With Asphalt, Grade "B" Building Paper (Aquabar B).....	22.34	
07 26 13 00-0002	CSF Asphalt Saturated Kraft Building Paper, Grade D, "Jumbo Tex".....	21.21	
07 26 13 00-0003	CSF 60 Minute Asphalt Saturated Kraft Building Paper, Grade D, "Super Jumbo Tex 60 Minute".....	24.84	
07 26 13 00-0004	CSF Two Ply 60 Minute Asphalt Saturated Kraft Building Paper, Grade D, "Two Ply Super Jumbo Tex 60 Minute".....	30.16	
07 26 13 00-0005	CSF Regular Weight Red Rosin Sized Sheathing.....	31.12	
07 26 13 00-0006	CLF 6" Wide Two Layer Kraft Paper Laminated With Asphalt, Building Flashing Paper (Bond Beam Paper).....	68.30	
07 26 13 00-0007	CLF 4" Wide Self Adhering Butyl Sealing Tape.....	95.01	
07 26 13 00-0008	CLF 6" Wide Self Adhesive Butyl Sealing Tape.....	131.98	
07 26 13 00-0009	CLF 9" Wide Self Adhesive Butyl Sealing Tape.....	177.00	
07 26 13 00-0010	CSF Building Wrap (Tyvek).....	58.46	

07 27 Air Barriers (07 25)**07 27 23 Board Product Air Barriers** (07 27)**07 27 23 00-0001 Barriers For Plenums** (07 27 23)

07 27 23 00-0002	SF 0.5" Thick Leaded Vinyl Acoustic Plenum Barrier 0.48 LB/SF.....	8.80	2.72
	For Up To 50, Add	3.45	
	For >50 To 200, Add	1.94	
	For >200 To 500, Add	0.71	
	For >2,500, Deduct	-0.44	
07 27 23 00-0003	SF 0.625" Thick Leaded Vinyl Acoustic Plenum Barrier 0.87 LB/SF.....	9.53	2.72
	For Up To 50, Add	3.76	
	For >50 To 200, Add	2.12	
	For >200 To 500, Add	0.77	
	For >2,500, Deduct	-0.48	
07 27 23 00-0004	SF Aluminum Foil Fiberglass Reinforced Plenum Bar Parallel With Joists 1" Thick.....	3.84	1.81
	For Up To 50, Add	1.89	
	For >50 To 200, Add	1.04	
	For >200 To 500, Add	0.36	
	For >2,500, Deduct	-0.19	
07 27 23 00-0005	SF Aluminum Foil Fiberglass Reinforced Plenum Bar Perpendicular With Joists 1" Thick.....	6.99	2.72
	For Up To 50, Add	3.38	
	For >50 To 200, Add	1.87	
	For >200 To 500, Add	0.64	
	For >2,500, Deduct	-0.35	
07 27 23 00-0006	SF Aluminum Mesh Barrier For Plenum Kraft Paper Backed.....	4.83	1.81
	For Up To 50, Add	2.04	
	For >50 To 200, Add	1.14	
	For >200 To 500, Add	0.41	
	For >2,500, Deduct	-0.24	
07 27 23 00-0007	SF 1/64" Thick Sheet Lead Barrier For Plenum 1 LB/SF.....	6.47	1.81
	For Up To 50, Add	2.18	
	For >50 To 200, Add	1.25	
	For >200 To 500, Add	0.47	
	For >2,500, Deduct	-0.32	

07 30 Steep Slope Roofing (07)

Note: Includes starter strips and manufacturer's product specific warranties.

07 31 Shingles And Shakes (07 30)**07 31 13 Asphalt Shingles** (07 31)**07 31 13 00-0001 Three Tab Fiberglass Reinforced, Asphalt Composition Shingle** (07 31 13)

Note: Excludes underlayment, drip edges, and ridge vent/shingles.

07 31 13 00-0002	SQ 200 LB/SQ, 5" Exposure, Three Tab Fiberglass Reinforced, Asphalt Composition Shingle (CertainTeed CT 20).....	215.99	143.78
	For >50 To 75, Deduct	-3.41	
	For >75 To 100, Deduct	-9.24	
	For >100 To 200, Deduct	-15.91	
	For >200, Deduct	-25.01	
	For Steep Roof, Over 7 To 12, Add	41.84	



Thermal And Moisture Protection 07

Steep Slope Roofing 07 30

Shingles And Shakes 07 31

07

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 31 13 00-0003	SQ	220 LB/SQ, 5" Exposure, Three Tab Fiberglass Reinforced, Asphalt Composition Shingle (CertainTeed XT 25)	.....	226.51	150.99
		<i>For >50 To 75, Deduct</i>		-3.57	
		<i>For >75 To 100, Deduct</i>		-9.68	
		<i>For >100 To 200, Deduct</i>		-16.68	
		<i>For >200, Deduct</i>		-26.22	
		<i>For Steep Roof, Over 7 To 12, Add</i>		43.93	
07 31 13 00-0004	SQ	230 LB/SQ, 5" Exposure, Three Tab Fiberglass Reinforced, Asphalt Composition Shingle (CertainTeed XT 30)	.....	261.75	158.53
		<i>For >50 To 75, Deduct</i>		-4.70	
		<i>For >75 To 100, Deduct</i>		-11.83	
		<i>For >100 To 200, Deduct</i>		-20.14	
		<i>For >200, Deduct</i>		-30.88	
		<i>For Steep Roof, Over 7 To 12, Add</i>		46.13	
07 31 13 00-0005		Architectural Fiberglass Reinforced, Asphalt Composition Shingle <small>(07 31 13)</small>			
		Note: Excludes underlayment, drip edges, and ridge vent/shingles.			
07 31 13 00-0006	SQ	245 LB/SQ, 5" Exposure, Two Layer Laminated Fiberglass Reinforced, Asphalt Composition Shingle (CertainTeed Landmark)	.....	269.48	183.55
		<i>For >50 To 75, Deduct</i>		-4.11	
		<i>For >75 To 100, Deduct</i>		-11.36	
		<i>For >100 To 200, Deduct</i>		-19.63	
		<i>For >200, Deduct</i>		-31.05	
		<i>For Steep Roof, Over 7 To 12, Add</i>		53.39	
07 31 13 00-0007	SQ	240 LB/SQ, 8" Exposure, Four Tab Fiberglass Reinforced, Asphalt Composition Shingle (CertainTeed Highland Slate)	.....	284.79	174.76
		<i>For >50 To 75, Deduct</i>		-5.04	
		<i>For >75 To 100, Deduct</i>		-12.78	
		<i>For >100 To 200, Deduct</i>		-21.79	
		<i>For >200, Deduct</i>		-33.51	
		<i>For Steep Roof, Over 7 To 12, Add</i>		50.85	
07 31 13 00-0008	SQ	265 LB/SQ, 5" Exposure, Two Layer Laminated Fiberglass Reinforced, Asphalt Composition Shingle (CertainTeed Landmark Plus)	.....	308.60	192.73
		<i>For >50 To 75, Deduct</i>		-5.33	
		<i>For >75 To 100, Deduct</i>		-13.72	
		<i>For >100 To 200, Deduct</i>		-23.43	
		<i>For >200, Deduct</i>		-36.19	
		<i>For Steep Roof, Over 7 To 12, Add</i>		56.08	
07 31 13 00-0009	SQ	235 LB/SQ, 8" Exposure, Four Tab Fiberglass Reinforced, Asphalt Composition Shingle (CertainTeed Hatteras)	.....	297.53	166.45
		<i>For >50 To 75, Deduct</i>		-5.85	
		<i>For >75 To 100, Deduct</i>		-14.02	
		<i>For >100 To 200, Deduct</i>		-23.65	
		<i>For >200, Deduct</i>		-35.60	
		<i>For Steep Roof, Over 7 To 12, Add</i>		48.42	
07 31 13 00-0010	SQ	300 LB/SQ, 5" Exposure, Two Layer Laminated Fiberglass Reinforced, Asphalt Composition Shingle (CertainTeed Landmark Premium)	.....	334.63	202.37
		<i>For >50 To 75, Deduct</i>		-6.03	
		<i>For >75 To 100, Deduct</i>		-15.15	
		<i>For >100 To 200, Deduct</i>		-25.77	
		<i>For >200, Deduct</i>		-39.49	
		<i>For Steep Roof, Over 7 To 12, Add</i>		58.86	
07 31 13 00-0011	SQ	300 LB/SQ, 5" Exposure, Random Laminated Tabs, One Piece, Fiberglass Reinforced, Asphalt Composition Shingle (CertainTeed Independence)	.....	356.72	202.37
		<i>For >50 To 75, Deduct</i>		-6.91	
		<i>For >75 To 100, Deduct</i>		-16.69	
		<i>For >100 To 200, Deduct</i>		-28.20	
		<i>For >200, Deduct</i>		-42.58	
		<i>For Steep Roof, Over 7 To 12, Add</i>		58.86	
07 31 13 00-0012	SQ	355 LB/SQ, 4" Exposure, Sculpted Edge, Two Layer Laminated Fiberglass Reinforced, Asphalt Composition Shingle (CertainTeed Presidential Shake)	.....	389.61	223.08
		<i>For >50 To 75, Deduct</i>		-7.47	
		<i>For >75 To 100, Deduct</i>		-18.14	
		<i>For >100 To 200, Deduct</i>		-30.69	
		<i>For >200, Deduct</i>		-46.43	
		<i>For Steep Roof, Over 7 To 12, Add</i>		64.91	
07 31 13 00-0013	SQ	340 LB/SQ, 5" Exposure, Three Layer Laminated Fiberglass Reinforced, Asphalt Composition Shingle (CertainTeed Landmark TL)	.....	386.18	212.50
		<i>For >50 To 75, Deduct</i>		-7.72	
		<i>For >75 To 100, Deduct</i>		-18.34	
		<i>For >100 To 200, Deduct</i>		-30.89	
		<i>For >200, Deduct</i>		-46.34	
		<i>For Steep Roof, Over 7 To 12, Add</i>		61.80	
07 31 13 00-0014	SQ	300 LB/SQ, 5" Exposure, Reflective Two Layer Laminated Fiberglass Reinforced, Asphalt Composition Shingle (CertainTeed Landmark Solaris)	.....	383.88	202.37
		<i>For >50 To 75, Deduct</i>		-8.00	
		<i>For >75 To 100, Deduct</i>		-18.59	
		<i>For >100 To 200, Deduct</i>		-31.19	
		<i>For >200, Deduct</i>		-46.39	
		<i>For Steep Roof, Over 7 To 12, Add</i>		58.86	
07 31 13 00-0015	SQ	355 LB/SQ, 8" Exposure, Two Full Size Layers, Four Tab Fiberglass Reinforced, Asphalt Composition Shingle (CertainTeed Centennial Slate)	.....	449.07	223.08
		<i>For >50 To 75, Deduct</i>		-9.85	
		<i>For >75 To 100, Deduct</i>		-22.31	
		<i>For >100 To 200, Deduct</i>		-37.23	
		<i>For >200, Deduct</i>		-54.76	
		<i>For Steep Roof, Over 7 To 12, Add</i>		64.91	

07 Thermal And Moisture Protection**07 30 Steep Slope Roofing****07 31 Shingles And Shakes**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 31 13 00-0016	SQ		355 LB/SQ, 8" Exposure, Scalloped Cut, Two Full Size Layers, Four Tab Fiberglass Reinforced, Asphalt Composition Shingle (CertainTeed Carriage House).....	464.55	223.08
			<i>For >50 To 75, Deduct</i>	-10.47	
			<i>For >75 To 100, Deduct</i>	-23.39	
			<i>For >100 To 200, Deduct</i>	-38.93	
			<i>For >200, Deduct</i>	-56.92	
			<i>For Steep Roof, Over 7 To 12, Add</i>	64.91	
07 31 13 00-0017	SQ		480 LB/SQ, 4" Exposure, Sculpted Edge, Three Layer Laminated Fiberglass Reinforced, Asphalt Composition Shingle (CertainTeed Presidential Shake TL).....	516.06	245.99
			<i>For >50 To 75, Deduct</i>	-11.70	
			<i>For >75 To 100, Deduct</i>	-26.06	
			<i>For >100 To 200, Deduct</i>	-43.35	
			<i>For >200, Deduct</i>	-63.30	
			<i>For Steep Roof, Over 7 To 12, Add</i>	71.56	
07 31 13 00-0018	SQ		425 LB/SQ, 8" Exposure, Random Laminated Tabs, Two Full Size Layers, Four Tab Fiberglass Reinforced, Asphalt Composition Shingle (CertainTeed GrandManor).....	508.07	234.22
			<i>For >50 To 75, Deduct</i>	-11.80	
			<i>For >75 To 100, Deduct</i>	-25.98	
			<i>For >100 To 200, Deduct</i>	-43.11	
			<i>For >200, Deduct</i>	-62.61	
			<i>For Steep Roof, Over 7 To 12, Add</i>	68.15	
07 31 13 00-0019			Accessories (07 31 13)		
07 31 13 00-0020	LF		Hip And Ridge Roll Vent Note: Excludes shingles.	5.00	0.87
07 31 13 00-0021	LF		Three Tab Hip And Ridge Shingles.....	3.04	2.15
07 31 13 00-0022	LF		Architectural Hip And Ridge Shingles.....	3.66	2.38
07 31 13 00-0023	SQ		Demolish Additional Layers Of Shingles.....	78.44	
07 31 16			Metal Shingles (07 31)		
07 31 16 00-0001			Aluminum Shingles (07 31 16)		
07 31 16 00-0002	SQ		Aluminum Shingles, Mill Finish, 0.020" Thick..... <i>For Colors, Anodized Finish, Add</i> <i>For Bonderized Finish, Add</i> <i>For 1" Factory Applied Polystyrene, Add</i>	455.47 30.00 47.00 37.00	127.31
07 31 16 00-0003	SQ		Aluminum Shingles, Mill Finish, 0.030" Thick..... <i>For Colors, Anodized Finish, Add</i> <i>For Bonderized Finish, Add</i> <i>For 1" Factory Applied Polystyrene, Add</i>	601.42 30.00 47.00 37.00	139.15
07 31 16 00-0004	LF		Aluminum Shingles, Ridge Cap, 0.020" Thick.....	8.04	1.84
07 31 16 00-0005	LF		Aluminum Shingles, Ridge Cap, 0.030" Thick.....	8.36	1.84
07 31 16 00-0006	LF		Aluminum Shingles, Valley Section For Above, 0.020" Thick.....	5.59	1.84
07 31 16 00-0007	LF		Aluminum Shingles, Valley Section For Above, 0.030" Thick.....	6.24	1.84
07 31 16 00-0008			Galvanized Steel Shingles (07 31 16)		
07 31 16 00-0009	SQ		24 Gauge Steel Shingles, Galvanized <i>For Factory Applied 1" Polystyrene Insulation, Add</i> <i>For >50 To 75, Deduct</i> <i>For >75 To 100, Deduct</i> <i>For >100 To 200, Deduct</i> <i>For >200, Deduct</i> <i>For Steep Roof, Over 7 To 12, Add</i>	346.96 24.75 -4.77 -14.04 -24.50 -33.77 72.90	113.88
07 31 16 00-0010	SQ		26 Gauge Steel Shingles, Galvanized <i>For Factory Applied 1" Polystyrene Insulation, Add</i> <i>For >50 To 75, Deduct</i> <i>For >75 To 100, Deduct</i> <i>For >100 To 200, Deduct</i> <i>For >200, Deduct</i> <i>For Steep Roof, Over 7 To 12, Add</i>	335.20 24.75 -4.37 -13.30 -23.32 -32.25 72.28	112.98
07 31 16 00-0011	SQ		24 Gauge Steel Shingles, Galvanized And Bonderized..... <i>For Factory Applied 1" Polystyrene Insulation, Add</i> <i>For >50 To 75, Deduct</i> <i>For >75 To 100, Deduct</i> <i>For >100 To 200, Deduct</i> <i>For >200, Deduct</i> <i>For Steep Roof, Over 7 To 12, Add</i>	518.73 24.75 -11.71 -26.15 -43.51 -57.94 72.28	112.98
07 31 16 00-0012	SQ		26 Gauge Steel Shingles, Galvanized And Bonderized..... <i>For Factory Applied 1" Polystyrene Insulation, Add</i> <i>For >50 To 75, Deduct</i> <i>For >75 To 100, Deduct</i> <i>For >100 To 200, Deduct</i> <i>For >200, Deduct</i> <i>For Steep Roof, Over 7 To 12, Add</i>	482.62 24.75 -10.27 -23.62 -39.54 -52.89 72.28	112.98
07 31 16 00-0013	LF		Ridge Or Valley..... <i>For Factory Applied 1" Polystyrene Insulation, Add</i> <i>For >50 To 75, Deduct</i> <i>For >75 To 100, Deduct</i> <i>For >100 To 200, Deduct</i> <i>For >200, Deduct</i> <i>For Steep Roof, Over 7 To 12, Add</i>	5.48 24.75 -0.10 -0.25 -0.42 -0.57 0.95	1.52



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 31 19 Mineral-Fiber Cement Shingles (07 31)						
07 31 19 00-0001 Mineral Fiber Shingles (07 31 19)						
	07 31 19 00-0002	SQ		Mineral Fiber Strip Shingles, 14" X 30", 325 LB/SQ <i>For Steep Roof, Over 7 To 12, Add</i>	499.48 48.88	76.37
	07 31 19 00-0003	SQ		Mineral Fiber, Shakes, 9.35" x 16", 500 LB/SQ <i>For Steep Roof, Over 7 To 12, Add</i>	719.87 88.96	139.00
	07 31 19 00-0004	SQ		Mineral Fiber, Hexagonal Shape, 16" X 16", per SQ <i>For Steep Roof, Over 7 To 12, Add</i>	502.24 65.24	101.96
	07 31 19 00-0005	SQ		Mineral Fiber, Square, 16" X 16", per SQ <i>For Steep Roof, Over 7 To 12, Add</i>	469.98 65.24	101.96
	07 31 19 00-0006	CLF		Mineral Fiber, Strip Shingles, Starters, 8" x 30", 255 LB Per 100 LF	374.83	101.96
	07 31 19 00-0007	CLF		Mineral Fiber, Hip And Ridge Shingles, 4-3/4" x 14", 380 LB Per 100 LF	1,223.79	305.49
	07 31 19 00-0008	CLF		Mineral Fiber, Hip And Ridge Shingles, 5-3/8" X 14", per 100 LF	1,280.23	305.49
07 31 26 Slate Shingles (07 31)						
Note: Includes 30 LB felt and fasteners.						
07 31 26 00-0001 Shingles Including 30 LB Felt And Nails (07 31 26)						
	07 31 26 00-0002	SQ		Slate Shingles, Buckingham, Virginia Black, 3/16" Thick..... <i>For >50 To 75, Deduct</i> <i>For >75 To 100, Deduct</i> <i>For >100 To 200, Deduct</i> <i>For >200, Deduct</i> <i>For Graduated Shapes, Add</i> <i>For Steep Roof, Over 7 To 12, Add</i>	1,056.17 -24.98 -54.51 -90.28 -119.81 93.68 138.13	194.27
	07 31 26 00-0003	SQ		Slate Shingles, Buckingham, Virginia Black, 1/4" Thick..... <i>For >50 To 75, Deduct</i> <i>For >75 To 100, Deduct</i> <i>For >100 To 200, Deduct</i> <i>For >200, Deduct</i> <i>For Graduated Shapes, Add</i> <i>For Steep Roof, Over 7 To 12, Add</i>	1,231.17 -31.98 -66.76 -109.53 -144.31 119.93 138.13	194.27
	07 31 26 00-0004	SQ		Slate Shingles, Penn Black Bangor <i>For >50 To 75, Deduct</i> <i>For >75 To 100, Deduct</i> <i>For >100 To 200, Deduct</i> <i>For >200, Deduct</i> <i>For Graduated Shapes, Add</i> <i>For Steep Roof, Over 7 To 12, Add</i>	1,178.67 -29.88 -63.08 -103.75 -136.96 112.05 138.13	194.27
	07 31 26 00-0005	SQ		Slate Shingles, Vermont, Unfading Colors, Green..... <i>For >50 To 75, Deduct</i> <i>For >75 To 100, Deduct</i> <i>For >100 To 200, Deduct</i> <i>For >200, Deduct</i> <i>For Graduated Shapes, Add</i> <i>For Steep Roof, Over 7 To 12, Add</i>	1,196.17 -30.58 -64.31 -105.68 -139.41 114.68 138.13	194.27
	07 31 26 00-0006	SQ		Slate Shingles, Vermont, Unfading Colors, Semi-Weathered, Green/Gray..... <i>For >50 To 75, Deduct</i> <i>For >75 To 100, Deduct</i> <i>For >100 To 200, Deduct</i> <i>For >200, Deduct</i> <i>For Graduated Shapes, Add</i> <i>For Steep Roof, Over 7 To 12, Add</i>	1,266.17 -33.38 -69.21 -113.38 -149.21 125.18 138.13	194.27
	07 31 26 00-0007	SQ		Slate Shingles, Vermont, Unfading Color, Purple..... <i>For >50 To 75, Deduct</i> <i>For >75 To 100, Deduct</i> <i>For >100 To 200, Deduct</i> <i>For >200, Deduct</i> <i>For Graduated Shapes, Add</i> <i>For Steep Roof, Over 7 To 12, Add</i>	1,178.67 -29.88 -63.08 -103.75 -136.96 112.05 138.13	194.27
	07 31 26 00-0008	SQ		Slate Shingles, Vermont, Unfading Color, Black Or Gray..... <i>For >50 To 75, Deduct</i> <i>For >75 To 100, Deduct</i> <i>For >100 To 200, Deduct</i> <i>For >200, Deduct</i> <i>For Graduated Shapes, Add</i> <i>For Steep Roof, Over 7 To 12, Add</i>	1,126.17 -27.78 -59.41 -97.98 -129.61 104.18 138.13	194.27
	07 31 26 00-0009	SQ		Slate Shingles, Vermont, Unfading Color, Red..... <i>For >50 To 75, Deduct</i> <i>For >75 To 100, Deduct</i> <i>For >100 To 200, Deduct</i> <i>For >200, Deduct</i> <i>For Graduated Shapes, Add</i> <i>For Steep Roof, Over 7 To 12, Add</i>	2,219.67 -71.52 -135.95 -218.26 -282.70 268.20 138.13	194.27
	07 31 26 00-0010	SQ		Slate Shingles, Vermont, Unfading Color, Variegated Purple..... <i>For >50 To 75, Deduct</i> <i>For >75 To 100, Deduct</i> <i>For >100 To 200, Deduct</i> <i>For >200, Deduct</i> <i>For Graduated Shapes, Add</i> <i>For Steep Roof, Over 7 To 12, Add</i>	1,178.67 -29.88 -63.08 -103.75 -136.96 112.05 138.13	194.27

07 Thermal And Moisture Protection**07 30 Steep Slope Roofing****07 31 Shingles And Shakes**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST**07 31 29 Wood Shingles And Shakes (07 31)****07 31 29 13 Wood Shingles (07 31 29)****07 31 29 13-0001 #1 Grade, Red Cedar Shingles (07 31 29 13)****07 31 29 13-0002 #1 Grade, Red Cedar Shingles Installed On Roofs (07 31 29 13-0001)**

07 31 29 13-0003	SQ 3-3/4" Exposure, 16" Shingle, #1 Grade, Red Cedar Shingles Installed On Roof.....	601.33	180.79
	<i>For Steep Roof, Over 7 To 12, Add</i>	115.71	
	<i>For CCA Treated, Add</i>	35.96	
07 31 29 13-0004	SQ 5" Exposure, 16" Shingle, #1 Grade, Red Cedar Shingles Installed On Roof.....	439.01	135.59
	<i>For Steep Roof, Over 7 To 12, Add</i>	86.78	
	<i>For CCA Treated, Add</i>	25.17	
07 31 29 13-0005	SQ 4-1/2" Exposure, 18" Shingle, #1 Grade, Red Cedar Shingles Installed On Roof.....	529.10	153.67
	<i>For Steep Roof, Over 7 To 12, Add</i>	98.35	
	<i>For CCA Treated, Add</i>	33.26	
07 31 29 13-0006	SQ 5-1/2" Exposure, 18" Shingle, #1 Grade, Red Cedar Shingles Installed On Roof.....	433.84	126.55
	<i>For Steep Roof, Over 7 To 12, Add</i>	81.00	
	<i>For CCA Treated, Add</i>	27.11	
07 31 29 13-0007	SQ 5-3/4" Exposure, 24" Shingle, #1 Grade, Red Cedar Shingles Installed On Roof.....	541.65	119.77
	<i>For Steep Roof, Over 7 To 12, Add</i>	76.66	
	<i>For CCA Treated, Add</i>	45.32	
07 31 29 13-0008	SQ 7-1/2" Exposure, 24" Shingle, #1 Grade, Red Cedar Shingles Installed On Roof.....	425.44	101.69
	<i>For Steep Roof, Over 7 To 12, Add</i>	65.08	
	<i>For CCA Treated, Add</i>	33.31	

07 31 29 13-0009 #1 Grade, Red Cedar Shingles Installed On Walls (07 31 29 13-0001)

07 31 29 13-0010	SQ 7" Exposure, 16" Shingle, #1 Grade, Red Cedar Shingles Installed On Wall	445.29	162.71
	<i>For CCA Treated, Add</i>	17.98	
07 31 29 13-0011	SQ 8" Exposure, 18" Shingle, #1 Grade, Red Cedar Shingles Installed On Wall	431.98	153.67
	<i>For CCA Treated, Add</i>	18.70	
07 31 29 13-0012	SQ 10-1/2" Exposure, 24" Shingle, #1 Grade, Red Cedar Shingles Installed On Wall	425.27	133.34
	<i>For CCA Treated, Add</i>	23.79	

07 31 29 13-0013 #2 Grade, Red Cedar Shingles (07 31 29 13)**07 31 29 13-0014 #2 Grade, Red Cedar Shingles Installed On Roofs (07 31 29 13-0013)**

07 31 29 13-0015	SQ 3-1/2" Exposure, 16" Shingle, #2 Grade, Red Cedar Shingles Installed On Roof.....	573.30	189.83
	<i>For Steep Roof, Over 7 To 12, Add</i>	121.49	
	<i>For CCA Treated, Add</i>	29.05	
07 31 29 13-0016	SQ 4" Exposure, 16" Shingle, #2 Grade, Red Cedar Shingles Installed On Roof.....	512.94	171.75
	<i>For Steep Roof, Over 7 To 12, Add</i>	109.92	
	<i>For CCA Treated, Add</i>	25.42	
07 31 29 13-0017	SQ 4" Exposure, 18" Shingle, #2 Grade, Red Cedar Shingles Installed On Roof.....	539.37	171.75
	<i>For Steep Roof, Over 7 To 12, Add</i>	109.92	
	<i>For CCA Treated, Add</i>	29.38	
07 31 29 13-0018	SQ 4-1/2" Exposure, 18" Shingle, #2 Grade, Red Cedar Shingles Installed On Roof.....	481.58	153.67
	<i>For Steep Roof, Over 7 To 12, Add</i>	98.35	
	<i>For CCA Treated, Add</i>	26.14	
07 31 29 13-0019	SQ 5-3/4" Exposure, 24" Shingle, #2 Grade, Red Cedar Shingles Installed On Roof.....	450.32	119.77
	<i>For Steep Roof, Over 7 To 12, Add</i>	76.66	
	<i>For CCA Treated, Add</i>	31.62	
07 31 29 13-0020	SQ 6-1/2" Exposure, 24" Shingle, #2 Grade, Red Cedar Shingles Installed On Roof.....	372.08	103.96
	<i>For Steep Roof, Over 7 To 12, Add</i>	66.53	
	<i>For CCA Treated, Add</i>	24.63	

07 31 29 13-0021 #2 Grade, Red Cedar Shingles Installed On Walls (07 31 29 13-0013)

07 31 29 13-0022	SQ 6" Exposure, 16" Shingle, #2 Grade, Red Cedar Shingles Installed On Wall	440.32	171.75
	<i>For CCA Treated, Add</i>	14.52	
07 31 29 13-0023	SQ 7" Exposure, 18" Shingle, #2 Grade, Red Cedar Shingles Installed On Wall	423.35	162.71
	<i>For CCA Treated, Add</i>	14.69	
07 31 29 13-0024	SQ 9" Exposure, 24" Shingle, #2 Grade, Red Cedar Shingles Installed On Wall	399.91	144.63
	<i>For CCA Treated, Add</i>	16.60	

07 31 29 16 Wood Shakes (07 31 29)**07 31 29 16-0001 #1 Grade, Red Cedar Shakes (07 31 29 16)****07 31 29 16-0002 #1 Grade, Red Cedar Shakes Installed On Roofs (07 31 29 16-0001)**

07 31 29 16-0003	SQ 8-1/2" Exposure, 1/2" Thick, 18" Shake, #1 Grade, Red Cedar Shakes Installed On Roof.....	448.71	146.89
	<i>For Steep Roof, Over 7 To 12, Add</i>	94.01	
	<i>For CCA Treated, Add</i>	23.24	
07 31 29 16-0004	SQ 8-1/2" Exposure, 3/4" Thick, 18" Shake, #1 Grade, Red Cedar Shakes Installed On Roof.....	500.34	146.89
	<i>For Steep Roof, Over 7 To 12, Add</i>	94.01	
	<i>For CCA Treated, Add</i>	30.98	
07 31 29 16-0005	SQ 10" Exposure, 1/2" Thick, 24" Shake, #1 Grade, Red Cedar Shakes Installed On Roof.....	452.56	119.77
	<i>For Steep Roof, Over 7 To 12, Add</i>	76.66	
	<i>For CCA Treated, Add</i>	31.95	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 31 29 16-0006 SQ 10" Exposure, 3/4" Thick, 24" Shake, #1 Grade, Red Cedar Shakes Installed On Roof..... <i>For Steep Roof, Over 7 To 12, Add</i> <i>For CCA Treated, Add</i>	474.50 76.66 35.24	119.77
07 31 29 16-0007 #1 Grade, Red Cedar Shakes Installed On Walls <small>(07 31 29 16-0001)</small>		
07 31 29 16-0008 SQ 8-1/2" Exposure, 1/2" Thick, 18" Shake, #1 Grade, Red Cedar Shakes Installed On Wall <i>For CCA Treated, Add</i>	471.30 23.24	158.20
07 31 29 16-0009 SQ 8-1/2" Exposure, 3/4" Thick, 18" Shake, #1 Grade, Red Cedar Shakes Installed On Wall <i>For CCA Treated, Add</i>	522.93 30.98	158.20
07 31 29 16-0010 SQ 10" Exposure, 1/2" Thick, 24" Shake, #1 Grade, Red Cedar Shakes Installed On Wall <i>For CCA Treated, Add</i>	484.20 31.95	135.59
07 31 29 16-0011 SQ 10" Exposure, 3/4" Thick, 24" Shake, #1 Grade, Red Cedar Shakes Installed On Wall <i>For CCA Treated, Add</i>	506.14 35.24	135.59
07 31 29 19 Wood Shingles And Shakes Cap <small>(07 31 29)</small>		
07 31 29 19-0001 Wood Hip And Ridge Cap For Wood Shingles Or Shakes <small>(07 31 29 19)</small>		
07 31 29 19-0002 LF Red Cedar Hip Or Ridge Cap For Wood Shingles Or Shakes..... <i>For Steep Roof, Over 7 To 12, Add</i> <i>For CCA Treated Ridge, Add</i>	6.83 0.88 0.61	1.18
07 31 33 Composite Rubber Shingles <small>(07 31)</small>		
07 31 33 00-0001 SQ Class C Rectangular Edges Polymeric Rubber Slate Shingles, 7.0" Exposure Note: Gray or black. <i>For Purple Or Green Color, Add</i> <i>For Brown Or Red Color, Add</i> <i>For Steep Roof, Over 7 To 12, Add</i> <i>For >50 To 75, Deduct</i> <i>For >75 To 100, Deduct</i> <i>For >100 To 200, Deduct</i> <i>For >200, Deduct</i> <i>For 6.5" Exposure, Add</i> <i>For 6.0" Exposure, Add</i>	764.27 67.69 173.46 109.18 -10.58 -29.68 -48.79 -76.43 52.97 105.93	170.61
07 31 33 00-0002 SQ Class A Rectangular Edges Polymeric Rubber Slate Shingles, 7.0" Exposure Note: Fire resistant. Gray or black. <i>For Purple, Green, Brown Or Red, Add</i> <i>For Steep Roof, Over 7 To 12, Add</i> <i>For >50 To 75, Deduct</i> <i>For >75 To 100, Deduct</i> <i>For >100 To 200, Deduct</i> <i>For >200, Deduct</i> <i>For 6.5" Exposure, Add</i> <i>For 6.0" Exposure, Add</i>	1,046.32 105.77 109.18 -17.63 -43.79 -69.94 -104.63 73.11 146.22	170.61
07 31 33 00-0003 SQ Class C Shaped Polymeric Rubber Slate Shingle, 7.0" Exposure Note: Beaver tail, chisel point or beveled edges. Gray or black. <i>For Purple, Green, Brown Or Red, Add</i> <i>For Steep Roof, Over 7 To 12, Add</i> <i>For >50 To 75, Deduct</i> <i>For >75 To 100, Deduct</i> <i>For >100 To 200, Deduct</i> <i>For >200, Deduct</i> <i>For 6.5" Exposure, Add</i> <i>For 6.0" Exposure, Add</i>	880.41 194.12 109.18 -13.48 -35.49 -57.50 -88.04 61.26 122.52	170.61
07 31 33 00-0004 SQ Class A Shaped Polymeric Rubber Slate Shingle, 7.0" Exposure Note: Fire resistant. Beaver tail, chisel point or beveled edges. Gray or black. <i>For Purple, Green, Brown Or Red, Add</i> <i>For Steep Roof, Over 7 To 12, Add</i> <i>For >50 To 75, Deduct</i> <i>For >75 To 100, Deduct</i> <i>For >100 To 200, Deduct</i> <i>For >200, Deduct</i> <i>For 6.5" Exposure, Add</i> <i>For 6.0" Exposure, Add</i>	1,104.39 83.95 109.18 -19.08 -46.69 -74.30 -110.44 77.26 154.52	170.61
07 31 33 00-0005 LF Hip Or Ridge Polymeric Rubber Slate Shingle..... Note: Beveled or pointed edges, gray or black.	11.11	1.14
07 32 Roof Tiles <small>(07 30)</small>		
07 32 13 Clay Roof Tiles <small>(07 32)</small>		
Note: 8-1/4" x 11" exposure. Includes mortar, fasteners, felt underlayment and 90# cap sheet.		
07 32 13 00-0001 Clay Roofing Tile 8-1/4" x 11" Exposure <small>(07 32 13)</small>		
Note: Includes mortar, fasteners, felt underlayment and 90# cap sheet.		
07 32 13 00-0002 SQ Lanai Or Classic Tile, 158 Piece Per SQ <i>For >25 To 50, Deduct</i> <i>For >50 To 75, Deduct</i> <i>For >75 To 100, Deduct</i> <i>For >100 To 200, Deduct</i> <i>For >200, Deduct</i> <i>For 20 Year Warranty, Add</i>	935.32 -34.01 -65.89 -92.11 -112.66 -127.54 39.68	184.24

07 Thermal And Moisture Protection**07 30 Steep Slope Roofing****07 32 Roof Tiles**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 32 13 00-0003 SQ Americana (Most Colors) Tile Roofing, 158 Piece Per SQ.....	1,120.25	184.24
For >25 To 50, Deduct	-45.10	
For >50 To 75, Deduct	-84.39	
For >75 To 100, Deduct	-116.15	
For >100 To 200, Deduct	-140.40	
For >200, Deduct	-157.13	
For 20 Year Warranty, Add	52.62	
07 32 13 00-0004 SQ Americana (Green, Gray Or Brown) Tile, 158 Piece Per SQ.....	1,120.25	184.24
For >25 To 50, Deduct	-45.10	
For >50 To 75, Deduct	-84.39	
For >75 To 100, Deduct	-116.15	
For >100 To 200, Deduct	-140.40	
For >200, Deduct	-157.13	
For 20 Year Warranty, Add	52.62	
07 32 13 00-0005 SQ Americana (Blue) Tile, 158 Piece Per SQ.....	1,277.16	184.24
For >25 To 50, Deduct	-54.52	
For >50 To 75, Deduct	-100.08	
For >75 To 100, Deduct	-136.55	
For >100 To 200, Deduct	-163.94	
For >200, Deduct	-182.23	
For 20 Year Warranty, Add	63.60	
07 32 13 00-0006 SQ French Tile Roofing, Red, 133 Piece Per SQ.....	1,116.74	225.26
For >25 To 50, Deduct	-39.97	
For >50 To 75, Deduct	-77.89	
For >75 To 100, Deduct	-109.14	
For >100 To 200, Deduct	-133.72	
For >200, Deduct	-151.65	
For 20 Year Warranty, Add	46.64	
07 32 13 00-0007 SQ French Tile Roofing, Blue Or Green, 133 Piece Per SQ.....	1,392.77	225.26
For >25 To 50, Deduct	-56.54	
For >50 To 75, Deduct	-105.49	
For >75 To 100, Deduct	-145.02	
For >100 To 200, Deduct	-175.13	
For >200, Deduct	-195.81	
For 20 Year Warranty, Add	65.96	
07 32 13 00-0008 SQ Norman Tile Roofing, 317 Piece Per SQ.....	1,779.63	303.89
For >25 To 50, Deduct	-70.32	
For >50 To 75, Deduct	-132.39	
For >75 To 100, Deduct	-182.74	
For >100 To 200, Deduct	-221.37	
For >200, Deduct	-248.28	
For 20 Year Warranty, Add	82.04	
07 32 13 00-0009 SQ Williamsburg Tile Roofing, Aged Cedar, 158 Piece Per SQ.....	978.63	225.26
For >25 To 50, Deduct	-31.69	
For >50 To 75, Deduct	-64.07	
For >75 To 100, Deduct	-91.18	
For >100 To 200, Deduct	-113.01	
For >200, Deduct	-129.55	
For 20 Year Warranty, Add	36.97	
07 32 13 00-0010 SQ Williamsburg Tile Roofing, Gray Or Green, 158 Piece Per SQ.....	1,202.24	225.26
For >25 To 50, Deduct	-45.10	
For >50 To 75, Deduct	-86.44	
For >75 To 100, Deduct	-120.25	
For >100 To 200, Deduct	-146.55	
For >200, Deduct	-165.33	
For 20 Year Warranty, Add	52.62	
07 32 13 00-0011 SQ Spanish Tile Roofing, Red, 171 Piece Per SQ.....	836.91	168.66
For >25 To 50, Deduct	-29.97	
For >50 To 75, Deduct	-58.39	
For >75 To 100, Deduct	-81.81	
For >100 To 200, Deduct	-100.23	
For >200, Deduct	-113.66	
For 20 Year Warranty, Add	34.97	
07 32 13 00-0012 SQ Spanish Tile Roofing, Blend, 171 Piece Per SQ.....	1,077.88	168.66
For >25 To 50, Deduct	-44.43	
For >50 To 75, Deduct	-82.49	
For >75 To 100, Deduct	-113.14	
For >100 To 200, Deduct	-136.38	
For >200, Deduct	-152.22	
For 20 Year Warranty, Add	51.84	
07 32 13 00-0013 SQ Spanish Tile Roofing, Glazed White, 171 Piece Per SQ.....	1,285.23	168.66
For >25 To 50, Deduct	-56.87	
For >50 To 75, Deduct	-103.22	
For >75 To 100, Deduct	-140.09	
For >100 To 200, Deduct	-167.48	
For >200, Deduct	-185.40	
For 20 Year Warranty, Add	66.35	
07 32 13 00-0014 SQ Two Piece Mission Tile Roofing, 192 Piece Per SQ.....	1,560.70	264.39
For >25 To 50, Deduct	-61.92	
For >50 To 75, Deduct	-116.41	
For >75 To 100, Deduct	-160.59	
For >100 To 200, Deduct	-194.45	
For >200, Deduct	-217.99	
For 20 Year Warranty, Add	72.24	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 32 13 00-0015	SQ		One Piece Mission Tile Roofing, 75 Piece Per SQ	694.34	184.24
			<i>For >25 To 50, Deduct</i>	-19.55	
			<i>For >50 To 75, Deduct</i>	-41.80	
			<i>For >75 To 100, Deduct</i>	-60.78	
			<i>For >100 To 200, Deduct</i>	-76.51	
			<i>For >200, Deduct</i>	-88.98	
			<i>For 20 Year Warranty, Add</i>	22.81	
07 32 13 00-0016	SQ		One Piece Mission Tile Roofing, 134 Piece Per SQ	930.25	264.39
			<i>For >25 To 50, Deduct</i>	-24.09	
			<i>For >50 To 75, Deduct</i>	-53.37	
			<i>For >75 To 100, Deduct</i>	-78.63	
			<i>For >100 To 200, Deduct</i>	-99.88	
			<i>For >200, Deduct</i>	-117.11	
			<i>For 20 Year Warranty, Add</i>	28.10	
07 32 16 Concrete Roof Tiles (07 32)					
07 32 16 00-0001 Corrugated Tiles And Shakes Nailed To Wood (07 32 16)					
Note: Includes 30 lb felt underlayment.					
07 32 16 00-0002	SQ		13" x 16-1/2" Concrete Roof Tile, 90/SQ, 950 LB/SQ, Earthtone Colors, Corrugated	792.71	279.28
			<i>For >50 To 75, Deduct</i>	-9.36	
			<i>For >75 To 100, Deduct</i>	-30.35	
			<i>For >100 To 200, Deduct</i>	-53.68	
			<i>For >200, Deduct</i>	-74.67	
			<i>For Steep Roof, Over 7 To 12, Add</i>	178.76	
07 32 16 00-0003	SQ		13" x 16-1/2" Concrete Roof Tile, 90/SQ, 950 LB/SQ, Custom Blues, Corrugated	1,039.45	279.28
			<i>For >50 To 75, Deduct</i>	-19.23	
			<i>For >75 To 100, Deduct</i>	-47.62	
			<i>For >100 To 200, Deduct</i>	-80.82	
			<i>For >200, Deduct</i>	-109.21	
			<i>For Steep Roof, Over 7 To 12, Add</i>	178.76	
07 32 16 00-0004	SQ		13" x 16-1/2" Concrete Roof Tile, 90/SQ, 950 LB/SQ, Custom Greens Corrugated	842.05	279.28
			<i>For >50 To 75, Deduct</i>	-11.34	
			<i>For >75 To 100, Deduct</i>	-33.81	
			<i>For >100 To 200, Deduct</i>	-59.11	
			<i>For >200, Deduct</i>	-81.58	
			<i>For Steep Roof, Over 7 To 12, Add</i>	178.76	
07 32 16 00-0005	SQ		13" x 16-1/2" Concrete Roof Tile, 90/SQ, 950 LB/SQ, Colors, Shakes	795.59	249.88
			<i>For >50 To 75, Deduct</i>	-11.83	
			<i>For >75 To 100, Deduct</i>	-33.20	
			<i>For >100 To 200, Deduct</i>	-57.53	
			<i>For >200, Deduct</i>	-78.89	
			<i>For Steep Roof, Over 7 To 12, Add</i>	159.95	
07 32 16 00-0006 Accessories (07 32 16)					
07 32 16 00-0007	EA		Ridge And Hip, 10" X 16-1/2", 8 LB Each For Concrete Tile Roof	4.17	
07 32 16 00-0008	EA		Rake, 6-1/2" X 16-3/4", 9 LB Each For Concrete Tile Roof	2.74	
07 32 16 00-0009	EA		Mansard Hip, 10" X 16-1/2", 9.2 LB Each For Concrete Tile Roof	4.14	
07 32 16 00-0010	EA		Hip Starter, 10" X 16-1/2", 10.5 LB Each For Concrete Tile Roof	4.74	
07 32 16 00-0011	EA		3 Or 4 Way Apex, 10" Each Side, 11.5 LB Each For Concrete Tile Roof	4.94	
07 34 Roofing Underlayment (07 30)					
07 34 00 00-0001 Mechanically Fastened, Roofing Underlayment (07 34)					
Note: Standard slope.					
07 34 00 00-0002	SQ		15 LB, Asphalt Saturated Organic Felt Roofing Underlayment, Mechanically Fastened	19.93	5.50
			<i>For Steep Roof, Over 7 To 12, Add</i>	3.52	
			<i>For >50 To 75, Deduct</i>	-0.36	
			<i>For >75 To 100, Deduct</i>	-0.90	
			<i>For >100 To 200, Deduct</i>	-1.53	
			<i>For >200, Deduct</i>	-2.35	
07 34 00 00-0003	SQ		30 LB, Asphalt Saturated Organic Felt Roofing Underlayment, Mechanically Fastened	30.05	7.56
			<i>For Steep Roof, Over 7 To 12, Add</i>	4.84	
			<i>For >50 To 75, Deduct</i>	-0.60	
			<i>For >75 To 100, Deduct</i>	-1.42	
			<i>For >100 To 200, Deduct</i>	-2.40	
			<i>For >200, Deduct</i>	-3.60	
07 34 00 00-0004	SQ		30 LB, Asphalt Saturated Organic Felt Shake Underlayment, Mechanically Fastened	32.86	7.56
			<i>For Steep Roof, Over 7 To 12, Add</i>	4.84	
			<i>For >50 To 75, Deduct</i>	-0.71	
			<i>For >75 To 100, Deduct</i>	-1.62	
			<i>For >100 To 200, Deduct</i>	-2.71	
			<i>For >200, Deduct</i>	-4.00	
07 34 00 00-0005	SQ		Fire Rated, Polypropylene Roofing Underlayment, Mechanically Fastened (Rex™ Synfelt)	38.85	11.46
			<i>For Steep Roof, Over 7 To 12, Add</i>	7.33	
			<i>For >50 To 75, Deduct</i>	-0.64	
			<i>For >75 To 100, Deduct</i>	-1.69	
			<i>For >100 To 200, Deduct</i>	-2.90	
			<i>For >200, Deduct</i>	-4.52	

07 Thermal And Moisture Protection**07 30 Steep Slope Roofing****07 34 Roofing Underlayment**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 34 00 00-0006	SQ		17 Mil, Fire Rated, High Temperature, Coated Woven Synthetic Roofing Underlayment, Mechanically Fastened (TITANIUM™ UDL 25).....	42.18	11.46
			<i>For Steep Roof, Over 7 To 12, Add</i>	7.33	
			<i>For >50 To 75, Deduct</i>	-0.77	
			<i>For >75 To 100, Deduct</i>	-1.92	
			<i>For >100 To 200, Deduct</i>	-3.27	
			<i>For >200, Deduct</i>	-4.99	
07 34 00 00-0007	SQ		25 Mil, Fire Rated, High Temperature, Coated Woven Synthetic Roofing Underlayment, Mechanically Fastened (TITANIUM™ UDL 30).....	47.67	11.46
			<i>For Steep Roof, Over 7 To 12, Add</i>	7.33	
			<i>For >50 To 75, Deduct</i>	-0.99	
			<i>For >75 To 100, Deduct</i>	-2.31	
			<i>For >100 To 200, Deduct</i>	-3.87	
			<i>For >200, Deduct</i>	-5.76	
07 34 00 00-0008	SQ		30 Mil, Fire Rated, High Temperature, Coated Woven Synthetic Roofing Underlayment, Mechanically Fastened (TITANIUM™ UDL 50).....	44.93	11.46
			<i>For Steep Roof, Over 7 To 12, Add</i>	7.33	
			<i>For >50 To 75, Deduct</i>	-0.88	
			<i>For >75 To 100, Deduct</i>	-2.11	
			<i>For >100 To 200, Deduct</i>	-3.57	
			<i>For >200, Deduct</i>	-5.37	
07 34 00 00-0009			Self-Adhering, Roofing Underlayment (07 34) Note: Standard slope.		
07 34 00 00-0010	SQ		48 Mil, Fire Rated, Polymeric Asphalt Surfaced, Fiberglass Mat Reinforced, SBS Modified Roofing Underlayment, Self-Adhering (Owens Corning® WeatherLock® Mat)	73.32	13.90
			<i>For Steep Roof, Over 7 To 12, Add</i>	8.89	
			<i>For >50 To 75, Deduct</i>	-1.82	
			<i>For >75 To 100, Deduct</i>	-3.88	
			<i>For >100 To 200, Deduct</i>	-6.40	
			<i>For >200, Deduct</i>	-9.15	
07 34 00 00-0011	SQ		60 Mil, Fire Rated, Granule Surfaced, Rubberized Asphalt Adhesive, Roofing Underlayment, Self-Adhering (Grace Basik®).....	105.13	13.90
			<i>For Steep Roof, Over 7 To 12, Add</i>	8.89	
			<i>For >50 To 75, Deduct</i>	-3.09	
			<i>For >75 To 100, Deduct</i>	-6.11	
			<i>For >100 To 200, Deduct</i>	-9.90	
			<i>For >200, Deduct</i>	-13.61	
07 34 00 00-0012	SQ		53 Mil, Fire Rated, Granule Surfaced, Fiberglass Mat Reinforced, SBS Modified Roofing Underlayment, Self-Adhering (Owens Corning® WeatherLock® G)	77.25	13.90
			<i>For Steep Roof, Over 7 To 12, Add</i>	8.89	
			<i>For >50 To 75, Deduct</i>	-1.98	
			<i>For >75 To 100, Deduct</i>	-4.16	
			<i>For >100 To 200, Deduct</i>	-6.83	
			<i>For >200, Deduct</i>	-9.70	
07 34 00 00-0013	SQ		65 Mil, Fire Rated, Polyester Non Woven Fabric Surfaced, Fiberglass Mat Reinforced, SBS Modified Roofing Underlayment, Self Adhering (Owens Corning® WeatherLock® Specialty Tile And Metal)	73.32	13.90
			<i>For Steep Roof, Over 7 To 12, Add</i>	8.89	
			<i>For >50 To 75, Deduct</i>	-1.82	
			<i>For >75 To 100, Deduct</i>	-3.88	
			<i>For >100 To 200, Deduct</i>	-6.40	
			<i>For >200, Deduct</i>	-9.15	
07 34 00 00-0014	SQ		45 Mil, Fire Rated, High Temperature, Synthetic Polymer Surfaced, Modified Rubberized Asphalt, Roofing Underlayment, Self-Adhering (TITANIUM™ PSU-30)	100.54	13.90
			<i>For Steep Roof, Over 7 To 12, Add</i>	8.89	
			<i>For >50 To 75, Deduct</i>	-2.91	
			<i>For >75 To 100, Deduct</i>	-5.79	
			<i>For >100 To 200, Deduct</i>	-9.39	
			<i>For >200, Deduct</i>	-12.96	
07 34 00 00-0015	SQ		25 Mil, Fire Rated, Embossed Surface, Rubberized Asphalt Adhesive, High Density Cross Laminated Polyethylene Reinforcement, Roofing Underlayment, Self-Adhering (Grace Select).....	86.17	13.90
			<i>For Steep Roof, Over 7 To 12, Add</i>	8.89	
			<i>For >50 To 75, Deduct</i>	-2.34	
			<i>For >75 To 100, Deduct</i>	-4.78	
			<i>For >100 To 200, Deduct</i>	-7.81	
			<i>For >200, Deduct</i>	-10.95	
07 34 00 00-0016	SQ		40 Mil, Fire Rated, Embossed Surface, Rubberized Asphalt Adhesive, High Density Cross Laminated Polyethylene Reinforcement, Roofing Underlayment, Self-Adhering (Grace Ice And Water Shield®)	123.20	13.90
			<i>For Steep Roof, Over 7 To 12, Add</i>	8.89	
			<i>For >50 To 75, Deduct</i>	-3.82	
			<i>For >75 To 100, Deduct</i>	-7.37	
			<i>For >100 To 200, Deduct</i>	-11.89	
			<i>For >200, Deduct</i>	-16.14	
07 34 00 00-0017	SQ		40 Mil, Fire Rated, High Temperature, Embossed Surface, Rubberized Asphalt Adhesive, High Density Cross Laminated Polyethylene Reinforcement, Roofing Underlayment, Self-Adhering (Grace Ice And Water Shield® HT).....	139.42	13.90
			<i>For Steep Roof, Over 7 To 12, Add</i>	8.89	
			<i>For >50 To 75, Deduct</i>	-4.47	
			<i>For >75 To 100, Deduct</i>	-8.51	
			<i>For >100 To 200, Deduct</i>	-13.67	
			<i>For >200, Deduct</i>	-18.41	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 34 00 00-0018 SQ 30 Mil, Fire Rated, High Temperature, Fire Rated, Embossed Surface, Butyl Rubber Based Adhesive, High Density Cross Laminated Polyethylene Reinforcement, Roofing Underlayment, Self-Adhering (Grace Ultra).....	200.29	13.90
<i>For Steep Roof, Over 7 To 12, Add</i>	8.89	
<i>For >50 To 75, Deduct</i>	-6.90	
<i>For >75 To 100, Deduct</i>	-12.77	
<i>For >100 To 200, Deduct</i>	-20.37	
<i>For >200, Deduct</i>	-26.93	

07 40 Roofing And Siding Panels (07)

Note: Includes placement of materials on roof up to 2-1/2 stories. All new roof installations include flood testing.

07 41 Roof Panels (07 40)

Note: Includes standard fasteners, grommets, cleats for installation.

07 41 13 Metal Roof Panels (07 41)

07 41 13 00-0001 Exposed Fastener Metal Roofing (07 41 13)

Note: Includes 15 year warranty and all warranties are no dollar limit to include material and labor.

07 41 13 00-0002 Galvanized Exposed Fastener Metal Roofing (07 41 13 00-0001)

07 41 13 00-0003 Galvanized Steel Exposed Fastener Metal Roof Panels (07 41 13 00-0002)

07 41 13 00-0004 SF 18 Gauge Galvanized Exposed Fastener Metal Roof Panels.....	6.89	0.89
<i>For Fluoropolymer (Kynar) Coating, Add</i>	0.64	
<i>For Steep Roof, Over 7 To 12, Add</i>	1.27	
07 41 13 00-0005 SF 20 Gauge Galvanized Exposed Fastener Metal Roof Panels.....	6.37	0.89
<i>For Fluoropolymer (Kynar) Coating, Add</i>	0.64	
<i>For Steep Roof, Over 7 To 12, Add</i>	1.27	
07 41 13 00-0006 SF 22 Gauge Galvanized Exposed Fastener Metal Roof Panels.....	6.01	0.89
<i>For Fluoropolymer (Kynar) Coating, Add</i>	0.64	
<i>For Steep Roof, Over 7 To 12, Add</i>	1.27	
07 41 13 00-0007 SF 24 Gauge Galvanized Exposed Fastener Metal Roof Panels.....	5.65	0.89
<i>For Fluoropolymer (Kynar) Coating, Add</i>	0.64	
<i>For Steep Roof, Over 7 To 12, Add</i>	1.27	
07 41 13 00-0008 SF 26 Gauge Galvanized Exposed Fastener Metal Roof Panels.....	5.36	0.89
<i>For Fluoropolymer (Kynar) Coating, Add</i>	0.64	
<i>For Steep Roof, Over 7 To 12, Add</i>	1.27	
07 41 13 00-0009 SF 29 Gauge Galvanized Exposed Fastener Metal Roof Panels.....	5.10	0.89
<i>For Fluoropolymer (Kynar) Coating, Add</i>	0.64	
<i>For Steep Roof, Over 7 To 12, Add</i>	1.27	
07 41 13 00-0010 SF 30 Gauge Galvanized Exposed Fastener Metal Roof Panels.....	5.00	0.89
<i>For Fluoropolymer (Kynar) Coating, Add</i>	0.64	
<i>For Steep Roof, Over 7 To 12, Add</i>	1.27	

07 41 13 00-0011 Galvanized Exposed Fastener Metal Roof Accessories (07 41 13 00-0002)

See CSI section 07 41 13 00-0038 for accessories.

07 41 13 00-0012 LF Ridge Flashing For Galvanized Steel Exposed Fastener Roofing.....	33.52	3.96
<i>For Steep Roof, Over 7 To 12, Add</i>	5.03	
<i>For Fluoropolymer (Kynar) Coating, Add</i>	1.78	
07 41 13 00-0013 LF Eave Flashing For Galvanized Steel Exposed Fastener Roofing.....	26.28	3.96
<i>For Steep Roof, Over 7 To 12, Add</i>	5.03	
<i>For Fluoropolymer (Kynar) Coating, Add</i>	1.06	
07 41 13 00-0014 LF Valley Flashing For Galvanized Steel Exposed Fastener Roofing.....	40.50	3.96
<i>For Steep Roof, Over 7 To 12, Add</i>	5.03	
<i>For Fluoropolymer (Kynar) Coating, Add</i>	2.48	
07 41 13 00-0015 LF Hip Flashing For Galvanized Steel Exposed Fastener Roofing.....	34.15	3.96
<i>For Steep Roof, Over 7 To 12, Add</i>	5.03	
<i>For Fluoropolymer (Kynar) Coating, Add</i>	1.84	

07 41 13 00-0016 Aluminum Exposed Fastener Metal Roofing (07 41 13 00-0001)

07 41 13 00-0017 Aluminum Exposed Fastener Metal Roof Panels (07 41 13 00-0016)

07 41 13 00-0018 SF 0.0155" Aluminum Exposed Fastener Metal Roof Panels.....	4.85	0.89
<i>For Fluoropolymer (Kynar) Coating, Add</i>	0.64	
<i>For Steep Roof, Over 7 To 12, Add</i>	1.27	
07 41 13 00-0019 SF 0.018" Aluminum Exposed Fastener Metal Roof Panels.....	4.99	0.89
<i>For Fluoropolymer (Kynar) Coating, Add</i>	0.64	
<i>For Steep Roof, Over 7 To 12, Add</i>	1.27	
07 41 13 00-0020 SF 0.024" Aluminum Exposed Fastener Metal Roof Panels.....	5.34	0.89
<i>For Fluoropolymer (Kynar) Coating, Add</i>	0.64	
<i>For Steep Roof, Over 7 To 12, Add</i>	1.27	
07 41 13 00-0021 SF 0.032" Aluminum Exposed Fastener Metal Roof Panels.....	5.80	0.89
<i>For Fluoropolymer (Kynar) Coating, Add</i>	0.64	
<i>For Steep Roof, Over 7 To 12, Add</i>	1.27	
07 41 13 00-0022 SF 0.040" Aluminum Exposed Fastener Metal Roof Panels.....	6.26	0.89
<i>For Fluoropolymer (Kynar) Coating, Add</i>	0.64	
<i>For Steep Roof, Over 7 To 12, Add</i>	1.27	
07 41 13 00-0023 SF 0.050" Aluminum Exposed Fastener Metal Roof Panels.....	6.83	0.89
<i>For Fluoropolymer (Kynar) Coating, Add</i>	0.64	
<i>For Steep Roof, Over 7 To 12, Add</i>	1.27	

07 Thermal And Moisture Protection**07 40 Roofing And Siding Panels****07 41 Roof Panels**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 41 13 00-0024			Aluminum Exposed Fastener Metal Roof Accessories (07 41 13 00-0016)		
07 41 13 00-0025	LF		Ridge Flashing For Aluminum Exposed Fastener Metal Roofing.....	31.96	3.96
			<i>For Steep Roof, Over 7 To 12, Add</i>	3.16	
			<i>For Fluoropolymer (Kynar) Coating, Add</i>	2.21	
07 41 13 00-0026	LF		Eave Flashing For Aluminum Exposed Fastener Metal Roofing.....	22.91	3.96
			<i>For Steep Roof, Over 7 To 12, Add</i>	3.16	
			<i>For Fluoropolymer (Kynar) Coating, Add</i>	1.30	
07 41 13 00-0027	LF		Valley Flashing For Aluminum Exposed Fastener Metal Roofing.....	40.69	3.96
			<i>For Steep Roof, Over 7 To 12, Add</i>	3.16	
			<i>For Fluoropolymer (Kynar) Coating, Add</i>	3.08	
07 41 13 00-0028	LF		Hip Flashing For Aluminum Exposed Fastener Metal Roofing.....	32.76	3.96
			<i>For Steep Roof, Over 7 To 12, Add</i>	3.16	
			<i>For Fluoropolymer (Kynar) Coating, Add</i>	2.29	
07 41 13 00-0029			Standing Seam Roofs (07 41 13) Note: Includes all profiles of vertical leg and batten style standing seam roofing. Includes all clips, neoprene closures, metal closures, battens, tape sealer, tube sealant, fasteners, vent material, panel starters and cleats. Based on Garland R-Mer Clad or R-Mer Seam architectural roofing, R-Mer Loc architectural/structural roofing, and R-Mer Span structural roofing. Architectural roofing requires a solid substrate and underlayment, requires a minimum 3:12 pitch, and includes a 20 year no dollar limit warranty. Architectural/structural roofing does not require a solid substrate or underlayment, requires a minimum 3:12 pitch, and includes a 25 year no dollar limit warranty. Structural roofing does not require a solid substrate or underlayment, requires a minimum 1/4" per foot slope, and includes a 25 year no dollar limit warranty.		
07 41 13 00-0030			Galvanized Steel Standing Seam Concealed Fastener Roofing (07 41 13 00-0029) Note: All steel is galvanized G90 rated or galvalume. Factory paint finish is Kynar 500, Hylar 5000 or equal PVCF finish.		
07 41 13 00-0031			Galvanized Steel Standing Seam Concealed Fastener Roofing (07 41 13 00-0030)		
07 41 13 00-0032	SF		Architectural 24 Gauge Galvanized Steel Standing Seam Concealed Fastener Roofing.....	13.36	2.09
			<i>For Steep Roof, Over 6 To 12, Add</i>	1.58	
			<i>For Panels <16" Wide, Add</i>	1.64	
			<i>For 140 MPH Wind Load, Add</i>	0.69	
			<i>For Up To 1,500, Add</i>	3.34	
			<i>For >1,500 To 5,000, Add</i>	2.00	
			<i>For >5,000 To 10,000, Add</i>	0.33	
07 41 13 00-0033	SF		Architectural 22 Gauge Galvanized Steel Standing Seam Concealed Fastener Roofing.....	14.12	2.09
			<i>For Steep Roof, Over 6 To 12, Add</i>	1.58	
			<i>For Panels <16" Wide, Add</i>	1.68	
			<i>For 140 MPH Wind Load, Add</i>	0.70	
			<i>For Up To 1,500, Add</i>	3.53	
			<i>For >1,500 To 5,000, Add</i>	2.12	
			<i>For >5,000 To 10,000, Add</i>	0.35	
07 41 13 00-0034	SF		Architectural/Structural 24 Gauge Galvanized Steel Standing Seam Concealed Fastener Roofing.....	12.68	2.09
			<i>For Steep Roof, Over 6 To 12, Add</i>	1.58	
			<i>For Panels <16" Wide, Add</i>	1.61	
			<i>For 140 MPH Wind Load, Add</i>	0.67	
			<i>For Up To 1,500, Add</i>	3.17	
			<i>For >1,500 To 5,000, Add</i>	1.90	
			<i>For >5,000 To 10,000, Add</i>	0.32	
07 41 13 00-0035	SF		Architectural/Structural 22 Gauge Galvanized Steel Standing Seam Concealed Fastener Roofing.....	12.95	2.09
			<i>For Steep Roof, Over 6 To 12, Add</i>	1.58	
			<i>For Panels <16" Wide, Add</i>	1.62	
			<i>For 140 MPH Wind Load, Add</i>	0.68	
			<i>For Up To 1,500, Add</i>	3.24	
			<i>For >1,500 To 5,000, Add</i>	1.94	
			<i>For >5,000 To 10,000, Add</i>	0.32	
07 41 13 00-0036	SF		Structural 24 Gauge Galvanized Steel Standing Seam Concealed Fastener Roofing.....	13.25	2.09
			<i>For Steep Roof, Over 6 To 12, Add</i>	1.58	
			<i>For Panels <16" Wide, Add</i>	1.63	
			<i>For 140 MPH Wind Load, Add</i>	0.69	
			<i>For Up To 1,500, Add</i>	3.31	
			<i>For >1,500 To 5,000, Add</i>	1.99	
			<i>For >5,000 To 10,000, Add</i>	0.33	
07 41 13 00-0037	SF		Structural 22 Gauge Galvanized Steel Standing Seam Concealed Fastener Roofing.....	14.36	2.09
			<i>For Steep Roof, Over 6 To 12, Add</i>	1.58	
			<i>For Panels <16" Wide, Add</i>	1.69	
			<i>For 140 MPH Wind Load, Add</i>	0.71	
			<i>For Up To 1,500, Add</i>	3.59	
			<i>For >1,500 To 5,000, Add</i>	2.15	
			<i>For >5,000 To 10,000, Add</i>	0.36	
07 41 13 00-0038			Accessories For Galvanized Steel Standing Seam Roofing (07 41 13 00-0030)		
07 41 13 00-0039	LF		Ridge Flashing For Galvanized Steel Standing Seam Concealed Fastener Roofing.....	35.30	6.29
			<i>For Steep Roof, Over 6 To 12, Add</i>	4.72	
			<i>For 140 MPH Wind Load, Add</i>	1.96	
07 41 13 00-0040	LF		Eave Flashing For Galvanized Steel Standing Seam Concealed Fastener Roofing.....	27.33	6.29
			<i>For Steep Roof, Over 6 To 12, Add</i>	4.72	
			<i>For 140 MPH Wind Load, Add</i>	1.81	
07 41 13 00-0041	LF		Valley Flashing For Galvanized Steel Standing Seam Concealed Fastener Roofing.....	42.98	6.29
			<i>For Steep Roof, Over 6 To 12, Add</i>	4.72	
			<i>For 140 MPH Wind Load, Add</i>	2.12	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 41 13 00-0042 LF Hip Flashing For Galvanized Steel Standing Seam Concealed Fastener Roofing..... <i>For Steep Roof, Over 6 To 12, Add</i> <i>For 140 MPH Wind Load, Add</i>	35.99 4.72 1.98	6.29
07 41 13 00-0043 Aluminum Standing Seam Concealed Fastener Roofing (07 41 13 00-0029) Note: Factory paint finish is Kynar 500, Hylar 5000 or equal PVCF finish.		
07 41 13 00-0044 Aluminum Standing Seam Concealed Fastener Roofing (07 41 13 00-0043)		
07 41 13 00-0045 SF Architectural 0.032" Aluminum Standing Seam Concealed Fastener Roofing..... <i>For Steep Roof, Over 6 To 12, Add</i> <i>For Panels <16" Wide, Add</i> <i>For 140 MPH Wind Load, Add</i> <i>For Up To 1,500, Add</i> <i>For >1,500 To 5,000, Add</i> <i>For >5,000 To 10,000, Add</i>	13.89 1.58 1.67 0.70 3.47 2.08 0.35	2.09
07 41 13 00-0046 SF Architectural 0.040" Aluminum Standing Seam Concealed Fastener Roofing..... <i>For Steep Roof, Over 6 To 12, Add</i> <i>For Panels <16" Wide, Add</i> <i>For 140 MPH Wind Load, Add</i> <i>For Up To 1,500, Add</i> <i>For >1,500 To 5,000, Add</i> <i>For >5,000 To 10,000, Add</i>	14.54 1.58 1.70 0.71 3.64 2.18 0.36	2.09
07 41 13 00-0047 SF Architectural/Structural Or Structural 0.032" Aluminum Standing Seam Concealed Fastener Roofing <i>For Steep Roof, Over 6 To 12, Add</i> <i>For Panels <16" Wide, Add</i> <i>For 140 MPH Wind Load, Add</i> <i>For Up To 1,500, Add</i> <i>For >1,500 To 5,000, Add</i> <i>For >5,000 To 10,000, Add</i>	13.52 1.58 1.65 0.69 3.38 2.03 0.34	2.09
07 41 13 00-0048 SF Architectural/Structural Or Structural 0.040" Aluminum Standing Seam Concealed Fastener Roofing <i>For Steep Roof, Over 6 To 12, Add</i> <i>For Panels <16" Wide, Add</i> <i>For 140 MPH Wind Load, Add</i> <i>For Up To 1,500, Add</i> <i>For >1,500 To 5,000, Add</i> <i>For >5,000 To 10,000, Add</i>	14.72 1.58 1.71 0.71 3.68 2.21 0.37	2.09
07 41 13 00-0049 Accessories For Aluminum Standing Seam Roofing (07 41 13 00-0043)		
07 41 13 00-0050 LF Ridge Flashing For Aluminum Standing Seam Concealed Fastener Roofing..... <i>For Steep Roof, Over 6 To 12, Add</i> <i>For 140 MPH Wind Load, Add</i>	40.01 4.72 2.06	6.29
07 41 13 00-0051 LF Eave Flashing For Aluminum Standing Seam Concealed Fastener Roofing..... <i>For Steep Roof, Over 6 To 12, Add</i> <i>For 140 MPH Wind Load, Add</i>	30.05 4.72 1.86	6.29
07 41 13 00-0052 LF Valley Flashing For Aluminum Standing Seam Concealed Fastener Roofing <i>For Steep Roof, Over 6 To 12, Add</i> <i>For 140 MPH Wind Load, Add</i>	49.61 4.72 2.25	6.29
07 41 13 00-0053 LF Hip Flashing For Aluminum Standing Seam Concealed Fastener Roofing..... <i>For Steep Roof, Over 6 To 12, Add</i> <i>For 140 MPH Wind Load, Add</i>	40.89 4.72 2.08	6.29
07 41 13 00-0054 Copper Standing Seam Concealed Fastener Roofing (07 41 13 00-0029)		
07 41 13 00-0055 Copper Standing Seam Concealed Fastener Roofing (07 41 13 00-0054)		
07 41 13 00-0056 SF Architectural 16 Ounce Copper Standing Seam Concealed Fastener Roofing..... <i>For Steep Roof, Over 6 To 12, Add</i> <i>For Panels <16" Wide, Add</i> <i>For 140 MPH Wind Load, Add</i> <i>For Up To 1,500, Add</i> <i>For >1,500 To 5,000, Add</i> <i>For >5,000 To 10,000, Add</i>	34.29 2.36 3.17 1.31 8.57 5.14 0.86	3.14
07 41 13 00-0057 SF Architectural 20 Ounce Copper Standing Seam Concealed Fastener Roofing..... <i>For Steep Roof, Over 6 To 12, Add</i> <i>For Panels <16" Wide, Add</i> <i>For 140 MPH Wind Load, Add</i> <i>For Up To 1,500, Add</i> <i>For >1,500 To 5,000, Add</i> <i>For >5,000 To 10,000, Add</i>	40.89 2.36 3.50 1.45 10.22 6.13 1.02	3.14
07 41 13 00-0058 Accessories For Copper Standing Seam Concealed Fastener Roofing (07 41 13 00-0054)		
07 41 13 00-0059 LF Ridge Flashing For Copper Standing Seam Concealed Fastener Roofing..... <i>For Steep Roof, Over 6 To 12, Add</i> <i>For 140 MPH Wind Load, Add</i>	101.41 4.72 3.29	6.29
07 41 13 00-0060 LF Eave Flashing For Copper Standing Seam Concealed Fastener Roofing..... <i>For Steep Roof, Over 6 To 12, Add</i> <i>For 140 MPH Wind Load, Add</i>	59.92 4.72 2.46	6.29
07 41 13 00-0061 LF Valley Flashing For Copper Standing Seam Concealed Fastener Roofing <i>For Steep Roof, Over 6 To 12, Add</i> <i>For 140 MPH Wind Load, Add</i>	140.65 4.72 4.07	6.29

07 Thermal And Moisture Protection**07 40 Roofing And Siding Panels****07 41 Roof Panels**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 41 13 00-0062	LF		Hip Flashing For Copper Standing Seam Concealed Fastener Roofing..... <i>For Steep Roof, Over 6 To 12, Add</i> <i>For 140 MPH Wind Load, Add</i>	104.51 4.72 3.35	6.29
07 41 13 00-0063			Stainless Steel Standing Seam Concealed Fastener Roofing (07 41 13 00-0029)		
07 41 13 00-0064			Stainless Steel Standing Seam Concealed Fastener Roofing (07 41 13 00-0063)		
07 41 13 00-0065	SF		Architectural 24 Gauge T304 Stainless Steel Standing Seam Concealed Fastener Roofing..... <i>For Steep Roof, Over 6 To 12, Add</i> <i>For Panels <16" Wide, Add</i> <i>For 140 MPH Wind Load, Add</i> <i>For Up To 1,500, Add</i> <i>For >1,500 To 5,000, Add</i> <i>For >5,000 To 10,000, Add</i>	26.51 2.36 2.78 1.16 6.63 3.98 0.66	3.14
07 41 13 00-0066	SF		Architectural 22 Gauge T304 Stainless Steel Standing Seam Concealed Fastener Roofing..... <i>For Steep Roof, Over 6 To 12, Add</i> <i>For Panels <16" Wide, Add</i> <i>For 140 MPH Wind Load, Add</i> <i>For Up To 1,500, Add</i> <i>For >1,500 To 5,000, Add</i> <i>For >5,000 To 10,000, Add</i>	30.47 2.36 2.98 1.24 7.62 4.57 0.76	3.14
07 41 13 00-0067	SF		Architectural 24 Gauge T316 Stainless Steel Standing Seam Concealed Fastener Roofing..... <i>For Steep Roof, Over 6 To 12, Add</i> <i>For Panels <16" Wide, Add</i> <i>For 140 MPH Wind Load, Add</i> <i>For Up To 1,500, Add</i> <i>For >1,500 To 5,000, Add</i> <i>For >5,000 To 10,000, Add</i>	35.18 2.36 3.21 1.33 8.80 5.28 0.88	3.14
07 41 13 00-0068	SF		Architectural 22 Gauge T316 Stainless Steel Standing Seam Concealed Fastener Roofing..... <i>For Steep Roof, Over 6 To 12, Add</i> <i>For Panels <16" Wide, Add</i> <i>For 140 MPH Wind Load, Add</i> <i>For Up To 1,500, Add</i> <i>For >1,500 To 5,000, Add</i> <i>For >5,000 To 10,000, Add</i>	41.21 2.36 3.51 1.45 10.30 6.18 1.03	3.14
07 41 13 00-0069			Accessories For Stainless Steel Standing Seam Concealed Fastener Roofing (07 41 13 00-0063)		
07 41 13 00-0070	LF		Ridge Flashing For Stainless Steel Standing Seam Concealed Fastener Roofing <i>For Steep Roof, Over 6 To 12, Add</i> <i>For 140 MPH Wind Load, Add</i>	90.53 5.31 3.23	6.29
07 41 13 00-0071	LF		Eave Flashing For Stainless Steel Standing Seam Concealed Fastener Roofing <i>For Steep Roof, Over 6 To 12, Add</i> <i>For 140 MPH Wind Load, Add</i>	55.26 5.31 2.52	6.29
07 41 13 00-0072	LF		Valley Flashing For Stainless Steel Standing Seam Concealed Fastener Roofing..... <i>For Steep Roof, Over 6 To 12, Add</i> <i>For 140 MPH Wind Load, Add</i>	123.88 5.31 3.89	6.29
07 41 13 00-0073	LF		Hip Flashing For Stainless Steel Standing Seam Concealed Fastener Roofing..... <i>For Steep Roof, Over 6 To 12, Add</i> <i>For 140 MPH Wind Load, Add</i>	93.17 5.31 3.28	6.29
07 41 13 00-0074			Metal Roof Surfacing (07 41 13)		
07 41 13 00-0075	SF		Acrylic, Metal Roof Primer, One Coat <i>For Steep Roof, Over 7 To 12, Add</i>	0.30 0.05	
07 41 13 00-0076	SF		Acrylic Elastomeric, Surface Or Base Coating For Metal Roofing, One Coat Note: 55% solids by volume. <i>For Steep Roof, Over 7 To 12, Add</i>	0.42 0.05	
07 41 33			Plastic Roof Panels (07 41)		
07 41 33 00-0001			Polyvinyl Chloride (PVC) Roofing Panels (07 41 33)		
07 41 33 00-0002			Polyvinyl Chloride (PVC) Roofing Panels (07 41 33 00-0001)		
07 41 33 00-0003	SF		Solid Polyvinyl Chloride (PVC) Roofing Panels, 8" Wide	4.00	1.53
07 41 33 00-0004	SF		Solid Polyvinyl Chloride (PVC) Roofing Panels, 10" Wide	3.77	1.38
07 41 33 00-0005	SF		Solid Polyvinyl Chloride (PVC) Roofing Panels, Double 8" Wide.....	4.10	1.53
07 41 33 00-0006	SF		Solid Polyvinyl Chloride (PVC) Roofing Panels, Double 10" Wide.....	3.85	1.38
07 41 33 00-0007			Polyvinyl Chloride (PVC) Roofing Accessories (07 41 33 00-0001)		
07 41 33 00-0008	LF		1" "J" Channel, Starter Strip Trim.....	2.56	1.14
07 41 33 00-0009	LF		3-1/2" "J" Channel, Starter Strip Trim.....	3.35	1.14
07 41 33 00-0010	LF		Outside Corner Post, 7/8" Pocket.....	3.58	1.14
07 41 33 00-0011	LF		Inside Corner Post, 7/8" Pocket.....	2.97	1.14
07 41 33 00-0012			Fiberglass Roofing Panel (07 41 33)		
07 41 33 00-0013			Corrugated Panels (07 41 33 00-0012)		
07 41 33 00-0014	SF		8 Ounce Corrugated Fiberglass Panel.....	4.71	1.23



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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07 41	33 00-0015	SF	12 Ounce Corrugated Fiberglass Panel.....	5.44	1.23
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07 42 Wall Panels (07 40)

07 42 13 Metal Wall Panels (07 42)

07 42 13 19 Insulated Metal Wall Panels (07 42 13)

07 42 13 19-0001 Insulated Panels For Sash/Window Replacement (07 42 13 19)

Note: Porcelain or polymer finish on aluminum panel with polystyrene core.

07 42 13 19-0002	SF	1"	Insulated Panel For Sash Or Window Replacement.....	15.29	3.62
				<i>For Non-Insulated Panels, Deduct</i>	-2.00
07 42 13 19-0003	SF	1-1/4"	Insulated Panel For Sash Or Window Replacement	16.62	4.07
				<i>For Non-Insulated Panels, Deduct</i>	-2.14
07 42 13 19-0004	SF	1-3/4"	Insulated Panel For Sash Or Window Replacement	17.79	4.51
				<i>For Non-Insulated Panels, Deduct</i>	-2.28
07 42 13 19-0005	SF	2-1/4"	Insulated Panel For Sash Or Window Replacement	19.06	4.70
				<i>For Non-Insulated Panels, Deduct</i>	-2.41
07 42 13 19-0006	SF	3-1/4"	Insulated Panel For Sash Or Window Replacement	21.49	5.15
				<i>For Non-Insulated Panels, Deduct</i>	-2.80
07 42 13 19-0007	SF	4-1/4"	Insulated Panel For Sash Or Window Replacement	24.76	5.69
				<i>For Non-Insulated Panels, Deduct</i>	-3.37

07 42 13 23 Metal Composite Material Wall Panels (07 42 13)

07 42 13 23-0001 24 Gauge, Galvanized Steel Insulated Tongue And Groove Metal Siding Panels (07 42 13 23)

Note: G-90 galvanized steel, 24 gauge exterior face and 24 gauge interior liner. Galvalume AZ-55 coating designation with texture. Non-CFC polyurethane foam core. Standard color on exterior and interior panels. CF Mesa Profile wall panels as manufactured by Metl-Span Corporation.

07 42 13 23-0002	SF	2"	Polyurethane Foam, 24 Gauge (Each Side), Galvanized Steel Insulated Tongue And Groove Metal Siding Panels	14.83	2.28
				<i>For AZ-50 Aluminum-Zinc Coated Exterior, Add</i>	0.24
				<i>For Premium Exterior Colors, Add</i>	0.12
07 42 13 23-0003	SF	2-1/2"	Polyurethane Foam, 24 Gauge (Each Side), Galvanized Steel Insulated Tongue And Groove Metal Siding Panels	16.81	2.57
				<i>For AZ-50 Aluminum-Zinc Coated Exterior, Add</i>	0.24
				<i>For Premium Exterior Colors, Add</i>	0.12
07 42 13 23-0004	SF	3"	Polyurethane Foam, 24 Gauge (Each Side), Galvanized Steel Insulated Tongue And Groove Metal Siding Panels	18.52	2.92
				<i>For AZ-50 Aluminum-Zinc Coated Exterior, Add</i>	0.24
				<i>For Premium Exterior Colors, Add</i>	0.12
07 42 13 23-0005	SF	4"	Polyurethane Foam, 24 Gauge (Each Side), Galvanized Steel Insulated Tongue And Groove Metal Siding Panels	20.98	3.86
				<i>For AZ-50 Aluminum-Zinc Coated Exterior, Add</i>	0.24
				<i>For Premium Exterior Colors, Add</i>	0.12

07 42 63 Fabricated Wall Panel Assemblies (07 42)

07 42 63 00-0001 Insulated Freezer And Chiller Panels (07 42 63)

Note: Excludes suspension system for ceiling support.

07 42 63 00-0002 Polyurethane Sandwich Panel (07 42 63 00-0001)

Note: With 22 gauge galvanized sheet metal face excludes painting.

07 42 63 00-0003	SF	2"	22 Gauge Freezer Panel Sheet Metal Both Faces	14.59	1.74
07 42 63 00-0004	SF	3"	22 Gauge Freezer Panel Sheet Metal Both Faces	15.39	1.74
07 42 63 00-0005	SF	4"	22 Gauge Freezer Panel Sheet Metal Both Faces	18.14	1.74
07 42 63 00-0006	SF	5"	22 Gauge Freezer Panel Sheet Metal Both Faces	19.57	1.85
07 42 63 00-0007	SF	6"	22 Gauge Freezer Panel Sheet Metal Both Faces	20.76	1.85
07 42 63 00-0008	SF	2"	22 Gauge Freezer Panel Sheet Metal One Face (Liner)	13.04	1.44
07 42 63 00-0009	SF	3"	22 Gauge Freezer Panel Sheet Metal One Face (Liner)	14.10	1.44
07 42 63 00-0010	SF	4"	22 Gauge Freezer Panel Sheet Metal One Face (Liner)	16.84	1.54
07 42 63 00-0011	SF	5"	22 Gauge Freezer Panel Sheet Metal One Face (Liner)	16.37	1.54
07 42 63 00-0012	SF	6"	22 Gauge Freezer Panel Sheet Metal One Face (Liner)	19.12	1.54

07 42 63 00-0013 Polyurethane Sandwich Panel (07 42 63 00-0001)

Note: With .040 aluminum baked enamel finish.

07 42 63 00-0014	SF	2"	Freezer Panel 0.040" Aluminum Finish Both Faces	10.33	1.74
07 42 63 00-0015	SF	3"	Freezer Panel 0.040" Aluminum Finish Both Faces	10.95	1.74
07 42 63 00-0016	SF	4"	Freezer Panel 0.040" Aluminum Finish Both Faces	12.61	1.74
07 42 63 00-0017	SF	5"	Freezer Panel 0.040" Aluminum Finish Both Faces	13.65	1.85
07 42 63 00-0018	SF	6"	Freezer Panel 0.040" Aluminum Finish Both Faces	14.40	1.85
07 42 63 00-0019	SF	2"	Freezer Panel 0.040" Aluminum Finish One Face (Liner Panel)	9.21	1.44
07 42 63 00-0020	SF	3"	Freezer Panel 0.040" Aluminum Finish One Face (Liner Panel)	9.84	1.44
07 42 63 00-0021	SF	4"	Freezer Panel 0.040" Aluminum Finish One Face (Liner Panel)	10.53	1.54
07 42 63 00-0022	SF	5"	Freezer Panel 0.040" Aluminum Finish One Face (Liner Panel)	12.17	1.54
07 42 63 00-0023	SF	6"	Freezer Panel 0.040" Aluminum Finish One Face (Liner Panel)	13.20	1.54

07 46 Siding (07 40)

07 Thermal And Moisture Protection**07 40 Roofing And Siding Panels****07 46 Siding**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST**07 46 16 Aluminum Siding** (07 46)

Note: Includes all necessary furring strips, trim for corners, windows and doors.

07 46 16 00-0001 Aluminum Coil Stock Cladding (07 46 16)

Note: Per SF of board, includes overlappage.

07 46 16 00-0002	SF	Aluminum Cladding, 0.016" Thick.....	8.78	3.57
07 46 16 00-0003	SF	Aluminum Cladding, 0.019" Thick.....	8.82	3.57
07 46 16 00-0004	SF	Aluminum Cladding, 0.024" Thick.....	8.89	3.57

07 46 16 00-0005 Aluminum Siding Panels For Structural Steel Framing (07 46 16)

Note: Includes fasteners.

07 46 16 00-0006 Corrugated (07 46 16 00-0005)

07 46 16 00-0007	SF	0.019" Corrugated Aluminum Siding Panel, Mill Finish, Including Fasteners.....	4.81	1.97
07 46 16 00-0008	SF	0.021" Corrugated Aluminum Siding Panel, Mill Finish, Including Fasteners.....	4.93	1.97
07 46 16 00-0009	SF	0.024" Corrugated Aluminum Siding Panel, Mill Finish, Including Fasteners.....	5.21	1.97
07 46 16 00-0010	SF	0.032" Corrugated Aluminum Siding Panel, Mill Finish, Including Fasteners.....	5.69	1.97
07 46 16 00-0011	SF	0.019" Corrugated Aluminum Siding Panel, Painted Finish, Including Fasteners.....	5.04	1.97
07 46 16 00-0012	SF	0.021" Corrugated Aluminum Siding Panel, Painted Finish, Including Fasteners.....	5.15	1.97
07 46 16 00-0013	SF	0.024" Corrugated Aluminum Siding Panel, Painted Finish, Including Fasteners.....	5.47	1.97
07 46 16 00-0014	SF	0.032" Corrugated Aluminum Siding Panel, Painted Finish, Including Fasteners.....	6.10	1.97

07 46 16 00-0015 V- Beam (07 46 16 00-0005)

07 46 16 00-0016	SF	0.032" Aluminum V-Beam Siding Panel, Mill Finish, Including Fasteners.....	5.71	1.97
07 46 16 00-0017	SF	0.040" Aluminum V-Beam Siding Panel, Mill Finish, Including Fasteners.....	5.96	1.97
07 46 16 00-0018	SF	0.050" Aluminum V-Beam Siding Panel, Mill Finish, Including Fasteners.....	6.28	1.97
07 46 16 00-0019	SF	0.032" Aluminum V-Beam Siding Panel, Painted Finish, Including Fasteners.....	6.07	1.97
07 46 16 00-0020	SF	0.040" Aluminum V-Beam Siding Panel, Painted Finish, Including Fasteners.....	6.50	1.97
07 46 16 00-0021	SF	0.050" Aluminum V-Beam Siding Panel, Painted Finish, Including Fasteners.....	7.50	1.97

07 46 16 00-0022 Rib (07 46 16 00-0005)

07 46 16 00-0023	SF	0.032" Aluminum Siding Panel With 4" Rib, Mill Finish, Including Fasteners.....	6.03	1.97
07 46 16 00-0024	SF	0.040" Aluminum Siding Panel With 4" Rib, Mill Finish, Including Fasteners.....	6.28	1.97
07 46 16 00-0025	SF	0.050" Aluminum Siding Panel With 4" Rib, Mill Finish, Including Fasteners.....	6.61	1.97
07 46 16 00-0026	SF	0.032" Aluminum Siding Panel With 4" Rib, Painted Finish, Including Fasteners.....	6.26	1.97
07 46 16 00-0027	SF	0.040" Aluminum Siding Panel With 4" Rib, Painted Finish, Including Fasteners.....	6.67	1.97
07 46 16 00-0028	SF	0.050" Aluminum Siding Panel With 4" Rib, Painted Finish, Including Fasteners.....	6.92	1.97

07 46 16 00-0029 Aluminum Soffit And Fascia (07 46 16)

Note: Excludes J-channel.

07 46 16 00-0030	LF	6" Overhang, 0.019" Thick, Solid Or Vented Aluminum Soffit.....	3.30	1.27
		<i>For 0.015" Thick, Deduct</i>	-0.04	
07 46 16 00-0031	LF	10" Overhang, 0.019" Thick, Solid Or Vented Aluminum Soffit.....	3.93	1.33
		<i>For 0.015" Thick, Deduct</i>	-0.09	
07 46 16 00-0032	LF	1" Overhang, 0.019" Thick, Solid Or Vented Aluminum Soffit.....	4.25	1.37
		<i>For 0.015" Thick, Deduct</i>	-0.11	
07 46 16 00-0033	LF	1'-6" Overhang, 0.019" Thick, Solid Or Vented Aluminum Soffit.....	5.14	1.44
		<i>For 0.015" Thick, Deduct</i>	-0.15	
07 46 16 00-0034	LF	2" Overhang, 0.019" Thick, Solid Or Vented Aluminum Soffit.....	6.18	1.57
		<i>For 0.015" Thick, Deduct</i>	-0.22	
07 46 16 00-0035	LF	3" Overhang, 0.019" Thick, Solid Or Vented Aluminum Soffit.....	8.00	1.74
		<i>For 0.015" Thick, Deduct</i>	-0.33	
07 46 16 00-0036	LF	4" Overhang, 0.019" Thick, Solid Or Vented Aluminum Soffit.....	9.85	1.92
		<i>For 0.015" Thick, Deduct</i>	-0.44	
07 46 16 00-0037	LF	5" Overhang, 0.019" Thick, Solid Or Vented Aluminum Soffit.....	11.75	2.11
		<i>For 0.015" Thick, Deduct</i>	-0.55	
07 46 16 00-0038	LF	4" Exposure, 0.024" Thick, Aluminum Fascia.....	3.70	1.24
07 46 16 00-0039	LF	6" Exposure, 0.024" Thick, Aluminum Fascia.....	4.01	1.27
07 46 16 00-0040	LF	8" Exposure, 0.024" Thick, Aluminum Fascia.....	4.59	1.30
07 46 16 00-0041	LF	10" Exposure, 0.024" Thick, Aluminum Fascia.....	5.21	1.33

07 46 16 00-0042 Aluminum Siding Accessories (07 46 16)

07 46 16 00-0043	LF	3/8" Pocket, Aluminum J-Channel.....	2.63	1.19
07 46 16 00-0044	LF	1/2" Pocket, Aluminum J-Channel.....	2.63	1.19
07 46 16 00-0045	LF	3/4" Pocket, Aluminum J-Channel.....	2.97	1.19
07 46 16 00-0046	LF	3/8" Pocket, Aluminum F-Channel.....	2.68	1.19
07 46 16 00-0047	LF	1/2" Pocket, Aluminum F-Channel.....	2.68	1.19

07 46 19 Steel Siding (07 46)

Note: Includes fasteners, all necessary furring strips, trim for corners, windows and doors.

07 46 19 00-0001 Steel Siding Panels For Structural Steel Framing (07 46 19)

Note: Included fasteners.

07 46 19 00-0002 Corrugated, Painted (07 46 19 00-0001)

Note: Factory applied.



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 46 19 00-0003 SF 20 Gauge Corrugated Steel Siding Panel, Including Fasteners And Painted <i>For Galvanized Instead Of Painted Steel, Add</i>	7.76 0.95	1.97
07 46 19 00-0004 SF 22 Gauge Corrugated Steel Siding Panel, Including Fasteners And Painted <i>For Galvanized Instead Of Painted Steel, Add</i>	7.25 0.82	1.97
07 46 19 00-0005 SF 24 Gauge Corrugated Steel Siding Panel, Including Fasteners And Painted <i>For Galvanized Instead Of Painted Steel, Add</i>	7.12 0.79	1.97
07 46 19 00-0006 SF 26 Gauge Corrugated Steel Siding Panel, Including Fasteners And Painted <i>For Galvanized Instead Of Painted Steel, Add</i>	5.63 0.42	1.97
07 46 19 00-0007 SF 28 Gauge Corrugated Steel Siding Panel, Including Fasteners And Painted <i>For Galvanized Instead Of Painted Steel, Add</i>	5.52 0.39	1.97
07 46 19 00-0008 SF 30 Gauge Corrugated Steel Siding Panel, Including Fasteners And Painted <i>For Galvanized Instead Of Painted Steel, Add</i>	5.45 0.37	1.97
07 46 19 00-0009 Box Rib, Painted (07 46 19 00-0001) Note: Factory applied.		
07 46 19 00-0010 SF 20 Gauge Box Rib Steel Siding Panel, Painted With Fasteners <i>For Galvanized Instead Of Painted Steel, Add</i>	7.38 0.86	1.97
07 46 19 00-0011 SF 22 Gauge Box Rib Steel Siding Panel, Painted With Fasteners <i>For Galvanized Instead Of Painted Steel, Add</i>	7.15 0.80	1.97
07 46 19 00-0012 SF 24 Gauge Box Rib Steel Siding Panel, Painted With Fasteners <i>For Galvanized Instead Of Painted Steel, Add</i>	7.00 0.76	1.97
07 46 19 00-0013 SF 26 Gauge Box Rib Steel Siding Panel, Painted With Fasteners <i>For Galvanized Instead Of Painted Steel, Add</i>	6.74 0.70	1.97
07 46 19 00-0014 SF 28 Gauge Box Rib Steel Siding Panel, Painted With Fasteners <i>For Galvanized Instead Of Painted Steel, Add</i>	6.20 0.56	1.97
07 46 19 00-0015 Steel Siding For Wood Frame (07 46 19) Note: Horizontal clapboard, double 5" profiler, 1/2" deep butt, wood grain pattern. Includes fasteners, trim and all accessories.		
07 46 19 00-0016 SF Horizontal Clapboard	6.72	0.99
07 46 23 Wood Siding (07 46) Note: Includes all necessary furring strips, trim for corners, windows and doors.		
07 46 23 00-0001 Wood Lap Siding (07 46 23)		
07 46 23 00-0002 LF 8" Wide Rough Sawn Cedar Lap Siding	3.07	1.26
07 46 23 00-0003 LF 10" Wide Rough Sawn Cedar Lap Siding	3.36	1.35
07 46 23 00-0004 LF 12" Wide Rough Sawn Cedar Lap Siding	3.66	1.44
07 46 23 00-0005 LF 6" To 8" Wide Southern Yellow Pine Lap Siding, D Grade	3.23	1.26
07 46 23 00-0006 LF 6" To 8" Wide Spruce Lap Siding, #2 Or Better	3.50	1.26
07 46 23 00-0007 LF 6" To 8" Wide Western Red Cedar, B Grade Lap Siding	4.08	1.26
07 46 23 00-0008 LF 6" To 8" Wide Western Red Cedar, A Grade Lap Siding	4.31	1.26
07 46 23 00-0009 LF 6" To 8" Wide Clear Heart Redwood Lap Siding	3.99	1.26
07 46 23 00-0010 LF 1" x 8" Cedar Round Or Flat Front Siding, Log Cabin	3.46	1.35
07 46 23 00-0011 LF 1" x 8" Cedar Beveled Siding, Channel, Rustic	3.46	1.35
07 46 23 00-0012 Tongue And Groove Siding (07 46 23)		
07 46 23 00-0013 SF 1" x 6" Tongue And Groove Southern Yellow Pine Siding	3.05	1.26
07 46 23 00-0014 SF 1" x 8" Tongue And Groove Southern Yellow Pine Siding	3.29	1.26
07 46 23 00-0015 SF 1" x 6" 105 Southern Yellow Pine Siding	3.11	1.26
07 46 23 00-0016 SF 1" x 8" 105 Southern Yellow Pine Siding	3.79	1.26
07 46 29 Plywood Siding (07 46) Note: Includes all necessary furring strips, trim for corners, windows and doors.		
07 46 29 00-0001 T-111 Siding (07 46 29)		
07 46 29 00-0002 SF 5/8" T-111 Fir, Fine Grade Siding, Paint Ready Applied To Blackboard / Stud <i>For Pressure Treated, Add</i>	2.30 0.18	0.64
07 46 29 00-0003 SF 5/8" T-111 Cedar, Fine Grade Siding, Paint Ready Applied To Blackboard / Stud <i>For Pressure Treated, Add</i>	2.27 0.18	0.64
07 46 33 Plastic Siding (07 46) Note: Includes all necessary furring strips, trim for corners, windows and doors.		
07 46 33 00-0001 Vinyl Siding (07 46 33) Note: Includes standard manufacturer's colors.		
07 46 33 00-0002 Vinyl Siding Panels (07 46 33 00-0001) Note: Excludes J-channels, starter strips and trim.		
07 46 33 00-0003 Horizontal Vinyl Siding Panels (07 46 33 00-0002) Note: Includes single, double or triple profiles. Includes traditional clapboard or dutch lap styles.		
07 46 33 00-0004 SF 7" Exposure, 0.044" Thick, Horizontal Vinyl Siding Panel	3.85	1.55
<i>For 0.040" Thick, Deduct</i>	-0.11	
<i>For 0.042" Thick, Deduct</i>	0.08	
<i>For 0.046" Thick, Add</i>	0.33	
<i>For Manufacturer's Custom Colors, Add</i>	0.04	

07 Thermal And Moisture Protection**07 40 Roofing And Siding Panels****07 46 Siding**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 46 33 00-0005	SF		8" Exposure, 0.044" Thick, Horizontal Vinyl Siding Panel.....	3.68	1.46
			<i>For 0.040" Thick, Deduct</i>	-0.11	
			<i>For 0.042" Thick, Deduct</i>	0.08	
			<i>For 0.046" Thick, Add</i>	0.33	
			<i>For Manufacturer's Custom Colors, Add</i>	0.04	
07 46 33 00-0006	SF		9" Exposure, 0.044" Thick, Horizontal Vinyl Siding Panel.....	3.54	1.39
			<i>For 0.040" Thick, Deduct</i>	-0.11	
			<i>For 0.042" Thick, Deduct</i>	0.08	
			<i>For 0.046" Thick, Add</i>	0.33	
			<i>For Manufacturer's Custom Colors, Add</i>	0.04	
07 46 33 00-0007	SF		10" Exposure, 0.044" Thick, Horizontal Vinyl Siding Panel.....	3.41	1.32
			<i>For 0.040" Thick, Deduct</i>	-0.11	
			<i>For 0.042" Thick, Deduct</i>	0.08	
			<i>For 0.046" Thick, Add</i>	0.33	
			<i>For Manufacturer's Custom Colors, Add</i>	0.04	
07 46 33 00-0008	SF		12" Exposure, 0.044" Thick, Horizontal Vinyl Siding Panel.....	3.22	1.23
			<i>For 0.040" Thick, Deduct</i>	-0.11	
			<i>For 0.042" Thick, Deduct</i>	0.08	
			<i>For 0.046" Thick, Add</i>	0.33	
			<i>For Manufacturer's Custom Colors, Add</i>	0.04	
07 46 33 00-0009			Vertical Vinyl Siding Panels (07 46 33 00-0002)		
07 46 33 00-0010	SF		7" Exposure, 0.048" Thick, Board And Batten, Vinyl Siding Panel.....	4.44	1.55
			<i>For Manufacturer's Custom Colors, Add</i>	0.07	
07 46 33 00-0011			Vinyl Siding Accessories (07 46 33 00-0001)		
07 46 33 00-0012	LF		3/4" Pocket, Outside Corner Post For Vinyl Siding.....	3.87	1.19
			<i>For Manufacturer's Custom Colors, Add</i>	0.08	
07 46 33 00-0013	LF		1-1/8" Pocket, Outside Corner Post For Vinyl Siding.....	6.46	1.19
			<i>For Manufacturer's Custom Colors, Add</i>	0.20	
07 46 33 00-0014	LF		3/4" Pocket, Inside Corner Post For Vinyl Siding.....	3.42	1.19
			<i>For Manufacturer's Custom Colors, Add</i>	0.05	
07 46 33 00-0015	LF		1-1/8" Pocket, Inside Corner Post For Vinyl Siding.....	3.91	1.19
			<i>For Manufacturer's Custom Colors, Add</i>	0.08	
07 46 33 00-0016	LF		3/8" Pocket, J-Channel For Vinyl Siding.....	2.61	1.19
			<i>For Manufacturer's Custom Colors, Add</i>	0.02	
07 46 33 00-0017	LF		1/2" Pocket, J-Channel For Vinyl Siding.....	2.57	1.19
			<i>For Manufacturer's Custom Colors, Add</i>	0.02	
07 46 33 00-0018	LF		5/8" Pocket, J-Channel For Vinyl Siding.....	2.58	1.19
			<i>For Manufacturer's Custom Colors, Add</i>	0.02	
07 46 33 00-0019	LF		3/4" Pocket, J-Channel For Vinyl Siding.....	2.61	1.19
			<i>For Manufacturer's Custom Colors, Add</i>	0.02	
07 46 33 00-0020	LF		1" Pocket, J-Channel For Vinyl Siding.....	2.83	1.19
			<i>For Manufacturer's Custom Colors, Add</i>	0.02	
07 46 33 00-0021	LF		1-1/4" Pocket, J-Channel For Vinyl Siding.....	2.85	1.19
			<i>For Manufacturer's Custom Colors, Add</i>	0.02	
07 46 33 00-0022	LF		2-1/2" Pocket, J-Channel For Vinyl Siding.....	4.58	1.19
			<i>For Manufacturer's Custom Colors, Add</i>	0.08	
07 46 33 00-0023	LF		1/2" Pocket, F-Channel For Vinyl Siding.....	2.24	1.19
			<i>For Manufacturer's Custom Colors, Add</i>	0.02	
07 46 33 00-0024	LF		3/4" Pocket, 3-3/4" Lineals For Vinyl Siding.....	5.11	1.64
			<i>For Manufacturer's Custom Colors, Add</i>	0.09	
07 46 33 00-0025	LF		3/4" Pocket, 5" Lineals For Vinyl Siding.....	5.18	1.64
			<i>For Manufacturer's Custom Colors, Add</i>	0.10	
07 46 33 00-0026	LF		1-1/8" Pocket, 3-1/2" Lineals For Vinyl Siding.....	5.11	1.64
			<i>For Manufacturer's Custom Colors, Add</i>	0.09	
07 46 33 00-0027	LF		3/8" Pocket, 1-7/8" H-Mold For Vinyl Siding.....	4.01	1.19
			<i>For Manufacturer's Custom Colors, Add</i>	0.08	
07 46 33 00-0028	LF		Vinyl Starter Strip For Vinyl Siding.....	3.64	1.19
			<i>For Manufacturer's Custom Colors, Add</i>	0.06	
07 46 33 00-0029	LF		Undersill Trim For Vinyl Siding.....	2.80	1.19
			<i>For Manufacturer's Custom Colors, Add</i>	0.02	
07 46 33 00-0030			Vinyl Soffit And Fascia (07 46 33 00-0001)		
			Note: Excludes J-channel.		
07 46 33 00-0031	LF		6" Overhang, 0.044" Thick, Solid Or Vented Vinyl Soffit.....	3.05	1.27
			<i>For 0.038" Thick, Deduct</i>	-0.10	
			<i>For 0.040" Thick, Deduct</i>	-0.06	
			<i>For 0.046" Thick, Add</i>	0.11	
			<i>For Manufacturer's Custom Colors, Add</i>	0.03	
07 46 33 00-0032	LF		10" Overhang, 0.044" Thick, Solid Or Vented Vinyl Soffit.....	3.51	1.33
			<i>For 0.038" Thick, Deduct</i>	-0.18	
			<i>For 0.040" Thick, Deduct</i>	-0.11	
			<i>For 0.046" Thick, Add</i>	0.19	
			<i>For Manufacturer's Custom Colors, Add</i>	0.04	
07 46 33 00-0033	LF		1' Overhang, 0.044" Thick, Solid Or Vented Vinyl Soffit.....	3.75	1.37
			<i>For 0.038" Thick, Deduct</i>	-0.23	
			<i>For 0.040" Thick, Deduct</i>	-0.15	
			<i>For 0.046" Thick, Add</i>	0.22	
			<i>For Manufacturer's Custom Colors, Add</i>	0.05	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 46 33 00-0034 LF 1'-6" Overhang, 0.044" Thick, Solid Or Vented Vinyl Soffit.....	4.39	1.44
<i>For 0.038" Thick, Deduct</i>	-0.35	
<i>For 0.040" Thick, Deduct</i>	-0.23	
<i>For 0.046" Thick, Add</i>	0.34	
<i>For Manufacturer's Custom Colors, Add</i>	0.08	
07 46 33 00-0035 LF 2' Overhang, 0.044" Thick, Solid Or Vented Vinyl Soffit	5.19	1.57
<i>For 0.038" Thick, Deduct</i>	-0.45	
<i>For 0.040" Thick, Deduct</i>	-0.29	
<i>For 0.046" Thick, Add</i>	0.45	
<i>For Manufacturer's Custom Colors, Add</i>	0.10	
07 46 33 00-0036 LF 3' Overhang, 0.044" Thick, Solid Or Vented Vinyl Soffit	6.51	1.74
<i>For 0.038" Thick, Deduct</i>	-0.70	
<i>For 0.040" Thick, Deduct</i>	-0.46	
<i>For 0.046" Thick, Add</i>	0.67	
<i>For Manufacturer's Custom Colors, Add</i>	0.15	
07 46 33 00-0037 LF 4' Overhang, 0.044" Thick, Solid Or Vented Vinyl Soffit	7.86	1.92
<i>For 0.038" Thick, Deduct</i>	-0.92	
<i>For 0.040" Thick, Deduct</i>	-0.60	
<i>For 0.046" Thick, Add</i>	0.89	
<i>For Manufacturer's Custom Colors, Add</i>	0.20	
07 46 33 00-0038 LF 5' Overhang, 0.044" Thick, Solid Or Vented Vinyl Soffit	9.27	2.11
<i>For 0.038" Thick, Deduct</i>	-1.17	
<i>For 0.040" Thick, Deduct</i>	-0.77	
<i>For 0.046" Thick, Add</i>	1.12	
<i>For Manufacturer's Custom Colors, Add</i>	0.25	
07 46 33 00-0039 LF 4" Exposure, Vinyl Fascia.....	3.18	1.24
<i>For Manufacturer's Custom Colors, Add</i>	0.04	
07 46 33 00-0040 LF 6" Exposure, Vinyl Fascia.....	3.46	1.27
<i>For Manufacturer's Custom Colors, Add</i>	0.05	
07 46 33 00-0041 LF 8" Exposure, Vinyl Fascia.....	3.62	1.30
<i>For Manufacturer's Custom Colors, Add</i>	0.05	
07 46 33 00-0042 LF 10" Exposure, Vinyl Fascia.....	3.83	1.33
<i>For Manufacturer's Custom Colors, Add</i>	0.06	
07 46 33 00-0043 Fiberglass Siding <small>(07 46 33)</small>		
07 46 33 00-0044 Corrugated Panels <small>(07 46 33 00-0043)</small>		
07 46 33 00-0045 SF 6 Ounce Corrugated Fiberglass Panels.....	5.22	1.82
07 46 33 00-0046 SF 8 Ounce Corrugated Fiberglass Panels.....	5.53	1.64
07 46 33 00-0047 SF 12 Ounce Corrugated Fiberglass Panels.....	6.08	1.64
07 46 33 00-0048 Flat Panels <small>(07 46 33 00-0043)</small>		
07 46 33 00-0049 SF 6 Ounce Flat Fiberglass Panels.....	5.02	1.64
07 46 33 00-0050 SF 8 Ounce Flat Fiberglass Panels.....	5.53	1.64
07 46 46 Fiber-Cement Siding <small>(07 46)</small>		
Note: Smooth or patterns. Includes sealer and primer.		
07 46 46 00-0001 5/16" Thick, Fiber Cement Lap Siding <small>(07 46 46)</small>		
07 46 46 00-0002 SF 5-1/4" Board with 4" Exposure, 5/16" Thick, Fiber Cement Lap Siding.....	5.13	1.92
07 46 46 00-0003 SF 6-1/4" Board with 5" Exposure, 5/16" Thick, Fiber Cement Lap Siding.....	4.88	1.82
07 46 46 00-0004 SF 7-1/4" Board with 6" Exposure, 5/16" Thick, Fiber Cement Lap Siding.....	4.77	1.77
07 46 46 00-0005 SF 8-1/4" Board with 7" Exposure, 5/16" Thick, Fiber Cement Lap Siding.....	4.66	1.73
07 46 46 00-0006 SF 9-1/2" Board with 8" Exposure, 5/16" Thick, Fiber Cement Lap Siding.....	4.44	1.64
07 46 46 00-0007 SF 12" Board with 10-3/4" Exposure, 5/16" Thick, Fiber Cement Lap Siding.....	4.23	1.55
07 46 46 00-0008 LF Starter Strip, Fiber Cement Lap Siding.....	1.12	0.46
07 46 46 00-0009 Fiber Cement Shingle Siding <small>(07 46 46)</small>		
07 46 46 00-0010 SF Fiber Cement Shingle Siding	7.36	1.68
07 46 46 00-0011 Fiber Cement Vertical Panel Siding <small>(07 46 46)</small>		
07 46 46 00-0012 SF Fiber Cement Vertical Panel Siding.....	3.76	1.37
07 46 46 00-0013 Fiber Cement Trim Boards <small>(07 46 46)</small>		
07 46 46 00-0014 7/16" Thick, Fiber Cement Trim Boards <small>(07 46 46 00-0013)</small>		
07 46 46 00-0015 LF 4" Wide, 7/16" Thick, Fiber Cement Trim Board	2.45	0.91
07 46 46 00-0016 LF 6" Wide, 7/16" Thick, Fiber Cement Trim Board	3.07	1.00
07 46 46 00-0017 LF 8" Wide, 7/16" Thick, Fiber Cement Trim Board	3.64	1.10
07 46 46 00-0018 LF 12" Wide, 7/16" Thick, Fiber Cement Trim Board	4.72	1.28
07 46 46 00-0019 3/4" Thick Fiber Cement Trim Boards <small>(07 46 46 00-0013)</small>		
07 46 46 00-0020 LF 4" Wide, 3/4" Thick, Fiber Cement Trim Board	2.56	0.91
07 46 46 00-0021 LF 6" Wide, 3/4" Thick, Fiber Cement Trim Board	3.23	1.00
07 46 46 00-0022 LF 8" Wide, 3/4" Thick, Fiber Cement Trim Board	3.91	1.10
07 46 46 00-0023 LF 12" Wide, 3/4" Thick, Fiber Cement Trim Board	4.14	1.28

07 Thermal And Moisture Protection**07 40 Roofing And Siding Panels****07 46 Siding**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
07 46 46 00-0024		1" Thick Fiber Cement Trim Boards (07 46 46 00-0013)			
07 46 46 00-0025	LF	4" Wide, 1" Thick, Fiber Cement Trim Board	2.69		0.91
07 46 46 00-0026	LF	6" Wide, 1" Thick, Fiber Cement Trim Board	3.46		1.00
07 46 46 00-0027	LF	8" Wide, 1" Thick, Fiber Cement Trim Board	4.25		1.10
07 46 46 00-0028	LF	12" Wide, 1" Thick, Fiber Cement Trim Board	5.59		1.28
07 46 46 00-0029		Fiber Cement Fascia Board (07 46 46)			
07 46 46 00-0030	LF	5/4" x 3-1/2" Fiber Cement Fascia Board.....	4.88		1.81
07 46 46 00-0031	LF	5/4" x 5-1/2" Fiber Cement Fascia Board.....	6.01		2.01
07 46 46 00-0032	LF	5/4" x 7-1/4" Fiber Cement Fascia Board.....	6.64		2.01
07 46 46 00-0033	LF	5/4" x 11-1/4" Fiber Cement Fascia Board.....	8.73		2.36
07 46 46 00-0034		Fiber Cement Soffit Boards (07 46 46)			
07 46 46 00-0035	SF	1/4" Thick, Non Vented Fiber Cement Soffit	4.62		1.30
07 46 46 00-0036	SF	1/4" Thick, Vented Fiber Cement Soffit.....	4.88		1.30
07 46 63		Fabricated Panel Assemblies With Siding (07 46)			
07 46 63 00-0001		Metal Liner Panels (07 46 63)			
07 46 63 00-0002		Galvanized Metal Liner Panels (07 46 63 00-0001)			
07 46 63 00-0003	SF	24 Gauge, 1-3/8" Thick Galvanized Metal Liner Panel.....	6.97		1.73
07 46 63 00-0004	SF	22 Gauge, 1-3/8" Thick Galvanized Metal Liner Panel.....	7.50		1.73
07 46 63 00-0005	SF	20 Gauge, 1-3/8" Thick Galvanized Metal Liner Panel.....	8.45		1.73
07 46 63 00-0006	SF	18 Gauge, 1-3/8" Thick Galvanized Metal Liner Panel.....	8.54		1.73
07 50		Membrane Roofing (07)			
Note: Includes placement of materials on roof up to 2-1/2 stories. See CSI section 07 22 16 00-0000 for insulation, 07 60 00 00-0000 for additional flashing, sheet metal and trim, 07 70 00 00-0000 for additional roof accessories.					
07 51		Built-Up Bituminous Roofing (07 50)			
07 51 13		Built-Up Asphalt Roofing (07 51)			
07 51 13 00-0001		Built-Up Asphalt Roofing Components (07 51 13)			
07 51 13 00-0002		Built-Up Asphalt Membrane Roofing (07 51 13 00-0001)			
Note: Includes all standard manufacturers' colors including white for granule and smooth surfaced cap sheets and flashing. See CSI section 07 51 13 00-0066 for built-up roofing demolition.					
07 51 13 00-0003		Cold Adhesive Applied, Built-Up Asphalt Membrane Roofing (07 51 13 00-0002)			
Note: Includes applying cold adhesive and embedding the membrane.					
07 51 13 00-0004		Cold Adhesive Applied, Built-Up Asphalt Roofing Base, Ply And Cap Sheets (07 51 13 00-0003)			
07 51 13 00-0005	SQ	Type IV, Asphalt Coated Fiberglass Ply Sheet, Cold Adhesive Applied	57.46		
		For Up To 10, Add	10.66		
		For >10 To 25, Add	8.06		
07 51 13 00-0006	SQ	Asphalt Coated Polyester And Fiberglass Scrim, Base Or Ply Sheet, Cold Adhesive Applied	139.07		
		For Up To 10, Add	14.74		
		For >10 To 25, Add	12.14		
07 51 13 00-0007		Cold Adhesive Applied, Built-Up Asphalt Roofing Flashing (07 51 13 00-0003)			
07 51 13 00-0008	SF	Asphalt Coated Polyester And Fiberglass Scrim, Flashing, Cold Adhesive Applied	3.73		
07 51 13 00-0009		Hot-Mopped, Built-Up Asphalt Membrane Roofing (07 51 13 00-0002)			
Note: Includes mopping hot asphalt and embedding the membrane.					
07 51 13 00-0010		Hot-Mopped, Built-Up Asphalt Roofing Base, Ply And Cap Sheets (07 51 13 00-0009)			
07 51 13 00-0011	SQ	Type IV, Asphalt Coated Fiberglass Ply Sheet, Hot-Mopped.....	45.44		
		For Up To 10, Add	10.06		
		For >10 To 25, Add	7.46		
07 51 13 00-0012	SQ	Type VI, Asphalt Coated Fiberglass Ply Sheet, Hot-Mopped.....	47.77		
		For Up To 10, Add	10.17		
		For >10 To 25, Add	7.58		
07 51 13 00-0013	SQ	Fine Mineral Surfaced, Asphalt Coated Fiberglass Base Sheet, Hot-Mopped.....	50.42		
		For Up To 10, Add	10.31		
		For >10 To 25, Add	7.71		
07 51 13 00-0014	SQ	Asphalt Coated Fiberglass Venting Base Sheet, Hot-Mopped.....	79.74		
		For Up To 10, Add	11.77		
		For >10 To 25, Add	9.18		
07 51 13 00-0015	SQ	Asphalt Coated Polyester And Fiberglass Scrim, Base Or Ply Sheet, Hot-Mopped	127.06		
		For Up To 10, Add	14.14		
		For >10 To 25, Add	11.54		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 51 13 00-0016 SQ Granule Surfaced, Asphalt Coated Fiberglass Cap Sheet, Hot-Mopped <i>For Up To 10, Add</i> <i>For >10 To 25, Add</i>	100.16 13.53 10.69	
07 51 13 00-0017 Hot-Mopped, Built-Up Asphalt Roofing Flashing (07 51 13 00-0009)		
07 51 13 00-0018 SF Asphalt Coated Polyester And Fiberglass Scrim, Flashing, Hot-Mopped	2.64	
07 51 13 00-0019 Mechanically Fastened, Built-Up Asphalt Membrane Roofing (07 51 13 00-0002) Note: Includes fasteners.		
07 51 13 00-0020 Mechanically Fastened, Built-Up Asphalt Roofing Base, Ply And Cap Sheets (07 51 13 00-0019)		
07 51 13 00-0021 SQ Type VI, Asphalt Coated Fiberglass Ply Sheet, Mechanically Fastened..... <i>For Up To 10, Add</i> <i>For >10 To 25, Add</i>	41.41 5.96 4.66	
07 51 13 00-0022 SQ Asphalt Coated Fiberglass Venting Base Sheet, Mechanically Fastened..... <i>For Up To 10, Add</i> <i>For >10 To 25, Add</i>	73.38 7.56 6.26	
07 51 13 00-0023 SQ Asphalt Coated Polyester And Fiberglass Scrim, Base Or Ply Sheet, Mechanically Fastened <i>For Up To 10, Add</i> <i>For >10 To 25, Add</i>	120.70 9.92 8.63	
07 51 13 00-0024 Mechanically Fastened, Built-Up Asphalt Roofing Flashing (07 51 13 00-0019)		
07 51 13 00-0025 SF Asphalt Coated Polyester And Fiberglass Scrim, Flashing, Mechanically Fastened	3.03	
07 51 13 00-0026 Asphalt Saturated Organic Felt (07 51 13 00-0001)		
07 51 13 00-0027 Cold Adhesive Applied, Asphalt Saturated Organic Felt (07 51 13 00-0026) Note: Includes applying cold adhesive and embedding the felt.		
07 51 13 00-0028 SQ 15 LB, Asphalt Saturated Organic Base Or Ply Sheet, Cold Adhesive Applied <i>For Up To 10, Add</i> <i>For >10 To 25, Add</i>	56.01 10.59 7.99	
07 51 13 00-0029 SQ 30 LB, Asphalt Saturated Organic Base Or Ply Sheet, Cold Adhesive Applied <i>For Up To 10, Add</i> <i>For >10 To 25, Add</i>	62.01 10.89 8.29	
07 51 13 00-0030 Hot-Mopped, Asphalt Saturated Organic Felt (07 51 13 00-0026) Note: Includes mopping hot asphalt and embedding the felt.		
07 51 13 00-0031 SQ 15 LB, Asphalt Saturated Organic Base Or Ply Sheet, Hot-Mopped <i>For Up To 10, Add</i> <i>For >10 To 25, Add</i>	43.99 9.98 7.39	
07 51 13 00-0032 SQ 30 LB, Asphalt Saturated Organic Base Or Ply Sheet, Hot-Mopped <i>For Up To 10, Add</i> <i>For >10 To 25, Add</i>	49.99 10.28 7.69	
07 51 13 00-0033 Mechanically Fastened, Asphalt Saturated Organic Felt (07 51 13 00-0026) Note: Includes fasteners.		
07 51 13 00-0034 SQ 15 LB, Asphalt Saturated Organic Base Or Ply Sheet, Mechanically Fastened <i>For Up To 10, Add</i> <i>For >10 To 25, Add</i>	21.99 4.99 3.69	
07 51 13 00-0035 SQ 30 LB, Asphalt Saturated Organic Base Or Ply Sheet, Mechanically Fastened <i>For Up To 10, Add</i> <i>For >10 To 25, Add</i>	27.99 5.29 3.99	
07 51 13 00-0036 Surfacing (07 51 13 00-0001)		
07 51 13 00-0037 SQ 400 LB/SQ Gravel Roofing Ballast, Set In Hot Asphalt Flood Coat <i>For Up To 10, Add</i> <i>For >10 To 25, Add</i>	101.63 24.54 18.06	
07 51 13 00-0038 SQ 400 LB/SQ Gravel Roofing Ballast, Set In Cold Adhesive Flood Coat..... <i>For Up To 10, Add</i> <i>For >10 To 25, Add</i>	136.94 26.31 19.82	
07 51 13 00-0039 CY Gravel Roofing Ballast, Spread To Desired Thickness Note: Excludes hot asphalt or cold adhesive.	115.83	
07 51 13 00-0040 SQ Protective Polypropylene Fabric Mat, Loose Laid..... Note: Installed as a separator mat (under membrane), a crushed stone mat (above membrane) or as a stone separator mat in ballasted systems. <i>For Up To 10, Add</i> <i>For >10 To 25, Add</i>	28.90 4.01 3.16	
07 51 13 00-0041 SQ Clay-Stabilized, Water-Based Asphalt Emulsion With Reinforcing Fibers, Weather-Proofing Surface Coating, Price Per Coat Note: Protective coating for use over built-up, SBS and APP modified bitumen, metal, concrete and wood roofs. <i>For Up To 10, Add</i> <i>For >10 To 25, Add</i>	59.11 7.63 6.07	
07 51 13 00-0042 SQ Fibrated Aluminum, Asphalt-Based, Reflective Weather-Proofing Surface Coating, Price Per Coat..... Note: Protective and reflective coating for use over built-up, SBS and APP modified bitumen and metal roofs. <i>For Up To 10, Add</i> <i>For >10 To 25, Add</i>	53.27 7.33 5.78	

07 Thermal And Moisture Protection**07 50 Membrane Roofing****07 51 Built-Up Bituminous Roofing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 51 13 00-0043	SQ		Aluminum Flakes And Reinforcing Fibers Suspended In Emulsified Asphalt, Reflective Surface Coating, Price Per Coat.....	69.21	
			Note: Reflective coating for use over smooth-surfaced built-up roofs.		
			For Up To 10, Add	8.13	
			For >10 To 25, Add	6.57	
07 51 13 00-0044	SQ		100% Acrylic Elastomeric, Reflective Surface Coating, Price Per Coat.....	69.73	
			Note: Reflective coating for use over built-up, SBS and APP modified bitumen roofs. For use on smooth or granule surfaced roofing systems.		
			For Up To 10, Add	8.16	
			For >10 To 25, Add	6.60	
			For Installation Over Granule Surfaced Asphalt Roof Systems, Add	19.40	
07 51 13 00-0045	SQ		100% Acrylic Elastomeric, Bleed Blocking Base Coating, Price Per Coat.....	71.87	
			Note: Bleed blocking coating for use over built-up, SBS and APP modified bitumen roofs. For use on smooth or granule surfaced roofing systems.		
			For Up To 10, Add	8.26	
			For >10 To 25, Add	6.71	
			For Installation Over Granule Surfaced Asphalt Roof Systems, Add	20.11	
07 51 13 00-0046	SF		Ceramic Coated Roofing Granules, Hand Broadcast.....	1.38	
			Note: For application over liquid flashing/membranes, asphalt bleed-out areas, modified or BUR membrane repairs, etc.		
07 51 13 00-0047	SF		Energy Star, Ceramic Coated Roofing Granules, Hand Broadcast.....	2.74	
			Note: For application over liquid flashing/membranes, asphalt bleed-out areas, modified or BUR membrane repairs, etc.		
07 51 13 00-0048			Walkway Pads (07 51 13 00-0001)		
			Note: Set in hot asphalt or cold adhesive.		
07 51 13 00-0049	LF		5/16" Thick, 32" Wide, Skid Resistant, SBS Modified Bitumen Walkway Pad.....	14.29	
07 51 13 00-0050	LF		1/2" Thick, 32" Wide, Skid Resistant, SBS Modified Bitumen Walkway Pad.....	16.80	
07 51 13 00-0051			Cant And Tapered Edge Strips (07 51 13 00-0001)		
07 51 13 00-0052	LF		2" x 2" Perlite Cant Strip.....	2.70	
07 51 13 00-0053	LF		3" x 3" Perlite Cant Strip.....	2.76	
07 51 13 00-0054	LF		4" x 4" Perlite Cant Strip.....	3.03	
07 51 13 00-0055	LF		3" x 3" Pressure Treated Wood Cant Strip, Cut Diagonally.....	2.92	
07 51 13 00-0056	LF		4" x 4" Pressure Treated Wood Cant Strip, Cut Diagonally.....	3.03	
07 51 13 00-0057	LF		1/2" x 6" Perlite Tapered Edge Strip.....	3.03	
07 51 13 00-0058	LF		1/2" x 12" Perlite Tapered Edge Strip.....	3.34	
07 51 13 00-0059	LF		1" x 12" Perlite Tapered Edge Strip.....	3.43	
07 51 13 00-0060	LF		1" x 24" Perlite Tapered Edge Strip.....	3.76	
07 51 13 00-0061	LF		1-1/2" x 12" Perlite Tapered Edge Strip.....	3.73	
07 51 13 00-0062	LF		1-1/2" x 18" Perlite Tapered Edge Strip.....	4.32	
07 51 13 00-0063	LF		1-1/2" x 24" Perlite Tapered Edge Strip.....	4.75	
07 51 13 00-0064			Asphalt Primer (07 51 13 00-0001)		
07 51 13 00-0065	SQ		Asphalt Primer For Roofing Systems.....	23.45	
			Note: Foundation coating for hot-mopped and cold applied asphalt coatings, roof cements, and asphalt based roof adhesives. For use on weathered roofing, asphalt, concrete, gypsum, masonry, block, brick and metal surfaces.		
07 51 13 00-0066			Demolish Built-Up Roofing (07 51 13 00-0001)		
			Note: For removing any asphalt, coal tar or modified bitumen roofing system, including surfacing material down to the insulation or recovery board. Includes removal of any basic roof accessories and any sheet metals; except special existing conditions (mechanical equipment piping, electrical, ducts, etc.). See CSI section 01 74 19 00-0000 for chutes, dumpsters and hauling.		
07 51 13 00-0067	SQ		Demolish Gravel/Slag Surfaced, Built Up Roofing System.....	274.54	
			For Up To 10, Add	68.12	
			For >10 To 25, Add	40.87	
07 51 13 00-0068	SQ		Demolish Cap Sheet Surfaced, Built Up Roofing System.....	211.79	
			Note: Includes protective surfacing.		
			For Up To 10, Add	52.55	
			For >10 To 25, Add	31.53	
07 51 13 00-0069			Roofing System Warranty (07 51 13 00-0001)		
			Note: The warranty tasks below are only to be used in conjunction with the built-up bituminous and modified bituminous membrane roofing sections. The appropriate task is to be applied to the completed roofing membrane systems, not individual components. All warranties are no dollar limit to include material, equipment and labor.		
07 51 13 00-0070	EA		Up To 70 SQ, 10 Year, Built-Up Bituminous Or Modified Bituminous Membrane, Roofing System Warranty.....	350.00	
07 51 13 00-0071	SQ		>70 SQ, 10 Year, Built-Up Bituminous Or Modified Bituminous Membrane, Roofing System Warranty.....	5.00	
07 51 13 00-0072	EA		Up To 50 SQ, 15 Year, Built-Up Bituminous Or Modified Bituminous Membrane, Roofing System Warranty.....	400.00	
07 51 13 00-0073	SQ		>50 SQ, 15 Year, Built-Up Bituminous Or Modified Bituminous Membrane, Roofing System Warranty.....	8.00	
07 51 13 00-0074	EA		Up To 50 SQ, 20 Year, Built-Up Bituminous Or Modified Bituminous Membrane, Roofing System Warranty.....	550.00	
07 51 13 00-0075	SQ		>50 SQ, 20 Year, Built-Up Bituminous Or Modified Bituminous Membrane, Roofing System Warranty.....	11.00	
07 51 13 00-0076			Built-Up Roofing Components (Tremco) (07 51 13)		
			Note: All tasks presented as a single layer. Adhesives are priced separately.		
07 51 13 00-0077			Cold Applied BUR Base Plies And Ply Sheets (07 51 13 00-0076)		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 51 13 00-0078 SQ BURmastic Composite Ply, Cold Applied BUR Component.....	78.94	
Note: Asphalt coated polyester/glass/polyester trilaminate reinforced ply sheet. Type II. 55 mils. Also used as a hot or cold applied base sheet.		
07 51 13 00-0079 SQ BURmastic Premium Composite Ply, Cold Applied BUR Component.....	95.47	
Note: Asphalt coated polyester/glass/polyester trilaminate reinforced high strength ply sheet. Type II. 57 mil. Also used as a hot or cold applied base sheet.		
07 51 13 00-0080 SQ BURmastic Supreme Composite Ply, Cold Applied BUR Component.....	105.57	
Note: Asphalt coated polyester/glass/polyester trilaminate reinforced high strength ply sheet. Type II. 51 mil. Also used as a hot or cold applied base sheet.		
07 51 13 00-0081 SQ 28 LB BURmastic Glass Ply, Cold Applied BUR Component.....	24.43	
Note: Asphalt coated fiberglass base or ply sheet. Type II.		
07 51 13 00-0082 SQ 33 LB BURmastic Glass Ply, Cold Applied BUR Component.....	35.00	
Note: Asphalt coated fiberglass base or ply sheet. Type II.		
07 51 13 00-0083 SQ POWERply Modified HE Base Sheet, Hot Or Cold Applied BUR Component.....	142.38	
Note: Smooth surfaced, high elongation polyester reinforced modified bitumen base sheet. Type I, Grade S. 94 mil.		
07 51 13 00-0084 SQ POWERply Modified Heavy Duty Base Sheet, Hot Applied BUR Component.....	131.78	
Note: A smooth surfaced, non woven fiberglass/scrium fiberglass bilaminate reinforced modified bitumen membrane. 120 mil.		
07 51 13 00-0085	Hot Or Cold Applied Modified Bitumen Cap Membrane (07 51 13 00-0076)	
07 51 13 00-0086 SQ POWERply Standard Smooth Cap Membrane, Hot Or Cold Applied BUR Component.....	82.28	
Note: Fiberglass reinforced modified bitumen membrane. Type I, Grade S. 80 mils. Also used as a hot or cold applied ply.		
07 51 13 00-0087 SQ POWERply Premium Smooth Cap Membrane, Hot Or Cold Applied BUR Component.....	214.21	
Note: Polyester/glass bilaminate reinforced modified bitumen membrane. Type III, Grade S. 90 mils. Also used as a hot or cold applied ply.		
07 51 13 00-0088 SQ POWERply Supreme Smooth Cap Membrane, Hot Or Cold Applied BUR Component.....	352.85	
Note: Polyester/glass bilaminate reinforced modified bitumen membrane. Type III, Grade S. 98 mils. Also used as a hot or cold applied ply.		
07 51 13 00-0089 SQ POWERply Standard Cap Membrane, Hot Or Cold Applied BUR Component.....	96.65	
Note: Granule surface, fiberglass reinforced modified bitumen cap sheet membrane. 120 mils. Black or white surface.		
07 51 13 00-0090 SQ POWERply Standard FR Cap Membrane, Hot Or Cold Applied BUR Component.....	146.61	
Note: Fire rated, granule surfaced, fiberglass reinforced modified bitumen membrane. Type I, Grade G. 120 mils.		
07 51 13 00-0091 SQ POWERply Premium FR Cap Membrane, Hot Or Cold Applied BUR Component.....	351.01	
Note: Fire rated, granule surfaced, polyester/glass bilaminate reinforced modified bitumen membrane. Type III, Grade S. 160 mils. Black or white surface.		
07 51 13 00-0092 SQ POWERply Standard FR GT24W Cap Membrane, Hot Or Cold Applied BUR Component.....	256.69	
Note: Highly reflective, fire rated, granule surfaced, fiberglass reinforced modified bitumen membrane meeting California's Title 24 requirements. Type I, Grade G. 120 mils.		
07 51 13 00-0093 SQ POWERply HE FR Cap Sheet, Hot Applied BUR Component.....	251.97	
Note: High elongation, fire rated, granule surfaced, polyester reinforced modified bitumen membrane. 160 mils.		
07 51 13 00-0094	Self Adhesive Base Plies And Ply Sheets (07 51 13 00-0076)	
07 51 13 00-0095 SQ POWERply SA Base Sheet, Self Adhesive Roofing.....	146.69	
Note: A self adhesive, fiberglass reinforced SBS modified bitumen base sheet/underlayment. Type 1, Grade S. 80 mils.		
07 51 13 00-0096 SQ POWERply SA FR Membrane, Self Adhesive Roofing.....	292.79	
Note: A fire rated, granule surfaced, polyester reinforced, self adhesive SBS modified bitumen membrane. Type I, Grade G. 130 mils.		
07 51 13 00-0097	Flashings (07 51 13 00-0076)	
07 51 13 00-0098 LF 11-1/2" Hypalon Elastomeric Flashing.....	9.91	
Note: 45 mils.		
07 51 13 00-0099 LF 19" Hypalon Elastomeric Flashing.....	16.23	
Note: 45 mils.		
07 51 13 00-0100 LF 25" Hypalon Elastomeric Flashing.....	21.56	
Note: 45 mils.		
07 51 13 00-0101 LF 38" Hypalon Elastomeric Flashing.....	31.51	
Note: 45 mils.		
07 51 13 00-0102 LF 60-1/2" Hypalon Elastomeric Flashing.....	52.08	
Note: 45 mils.		
07 51 13 00-0103 LF 12" TRA Elastomeric Flashing Membrane.....	8.04	
Note: Polyester reinforced flashing membrane. 45 mils.		
07 51 13 00-0104 LF 18" TRA Elastomeric Flashing Membrane.....	13.23	
Note: Polyester reinforced flashing membrane. 45 mils.		
07 51 13 00-0105 LF 24" TRA Elastomeric Flashing Membrane.....	17.63	
Note: Polyester reinforced flashing membrane. 45 mils.		
07 51 13 00-0106 LF 36" TRA Elastomeric Flashing Membrane.....	25.65	
Note: Polyester reinforced flashing membrane. 45 mils.		
07 51 13 00-0107 LF 60" TRA Elastomeric Flashing Membrane.....	43.26	
Note: Polyester reinforced flashing membrane. 45 mils.		
07 51 13 00-0108 LF 4" BURmesh Fabric.....	2.54	
Note: Glass membrane for reinforcement or repair of roof membranes and flashings.		
07 51 13 00-0109 LF 6" BURmesh Fabric.....	2.63	
Note: Glass membrane for reinforcement or repair of roof membranes and flashings.		
07 51 13 00-0110 LF 12" BURmesh Fabric.....	3.66	
Note: Glass membrane for reinforcement or repair of roof membranes and flashings.		
07 51 13 00-0111 LF 36" BURmesh Fabric.....	9.42	
Note: Glass membrane for reinforcement or repair of roof membranes and flashings.		

07 Thermal And Moisture Protection**07 50 Membrane Roofing****07 51 Built-Up Bituminous Roofing**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

07 51 13 00-0112	Cold Applied Adhesives (07 51 13 00-0076)		
07 51 13 00-0113	SQ BURmastic Inter-Ply Cold Applied Adhesive.....	94.52	
07 51 13 00-0114	SQ BURmastic Flood Coat Cold Applied Adhesive	155.44	
07 51 13 00-0115	SQ BURmastic SF Inter-Ply Cold Applied Adhesive	119.30	
07 51 13 00-0116	SQ BURmastic LV Inter-Ply Cold Applied Adhesive	94.52	
07 51 13 00-0117	SQ POWERply Standard Inter-Ply Cold Applied Adhesive.....	49.88	
07 51 13 00-0118	SQ POWERply Standard Flood Coat Cold Applied Adhesive.....	108.18	
07 51 13 00-0119	SQ POWERply White On White Cold Applied Adhesive.....	106.83	
07 51 13 00-0120	SQ Rock-It Cold Applied Adhesive For Gravel Applications	287.48	
07 51 13 00-0121	SQ FAS-n-FREE Cold Applied Adhesive (Beads 12" OC).....	158.30	
	Note: For insulation only.		
07 51 13 00-0122	SQ ECOlastic Cold Applied Adhesive.....	180.57	
07 51 13 00-0123	Hot Applied Adhesives (07 51 13 00-0076)		
07 51 13 00-0124	SQ Premium III Asphalt Inter-Ply Hot Applied Adhesive	36.97	
07 51 13 00-0125	SQ Premium III Asphalt Flood Coat Hot Applied Adhesive	65.46	
07 51 13 00-0126	Flashings Adhesives (07 51 13 00-0076)		
07 51 13 00-0127	LF Sheeting Bond Flashing Adhesive	13.17	
	Note: Used to attach Hypalon sheeting to asphalt or coal-tar roofing membranes.		
07 51 13 00-0128	LF Polyroof SF Flashing Mastic	16.71	
	Note: A solvent free, one part elastomeric roof mastic. Used to seal edges or as a repair mastic for split or cracked seals.		
07 51 13 00-0129	LF ELS Flashing Mastic.....	11.04	
	Note: Used for repairing flashings and asphalt built-up roof defects.		
07 51 13 00-0130	LF TremSEAL D General Purpose Sealant.....	4.29	
07 51 13 00-0131	LF TremSEAL HP High Performance Sealant	4.38	
07 51 13 00-0132	LF TremSEAL S Silicone Sealant	4.30	
07 51 13 00-0133	Surfacing (07 51 13 00-0076)		
07 51 13 00-0134	SQ TremLastic SP Non Fibered Elastomeric Emulsion Cold Applied Coating.....	138.93	
07 51 13 00-0135	SQ ICE Coating, Water Based, Heavy Bodied Elastomeric Roof Coating	312.64	
07 51 13 00-0136	SQ Polar Coat.....	83.59	
07 51 13 00-0137	SQ Alumanation 301, Asphalt Based, Fibrated Aluminum Roof Coating	101.10	
07 51 13 00-0138	SQ Wall-Tite, Elastomeric Coating For Exterior Above-Grade Walls	285.34	
07 51 13 00-0139	SQ Solarguard Hy-Build, Elastomeric Coating For Exterior Above-Grade Walls	134.34	
07 51 13 00-0140	SQ 100% Stitchbonded, Polyester Fabric (Tremco PERMAFAB).....	36.51	
07 51 13 00-0141	Walkway Protection Pads (07 51 13 00-0076)		
07 51 13 00-0142	LF 36" Wide, Fiberglass Reinforced Asphaltic Walkway Protection Pad (Tremco Trem-Tred®)	19.80	
07 51 13 00-0143	Primer (07 51 13 00-0076)		
07 51 13 00-0144	SQ TREMprime WB Primer	24.19	
	Note: Water based polymer modified asphalt primer.		
07 51 13 00-0145	SQ Solarguard Masonry Primer, Acrylic Latex Primer For Wall Tite F Coating.....	47.47	
07 51 13 00-0146	Liquid Applied Roofing (07 51 13 00-0076)		
07 51 13 00-0147	SQ Trem-LAR LRM H Waterproofing (Horizontal)	238.21	
	Note: One part liquid applied elastomeric roofing membrane. 60 mils.		
07 51 13 00-0148	SQ Trem-LAR LRM V Waterproofing (Vertical).....	243.71	
	Note: One part liquid applied elastomeric roofing membrane. 60 mils.		
07 51 13 00-0149	SQ AlphaGuard BIO Base Coat, High Performance, Two-Part, Polyurethane Roof Coating For Smooth BUR/MB, Concrete Or Single Ply Surfaces.....	302.79	
	Note: Two part liquid applied polyurethane roof coating. 48 mils.		
07 51 13 00-0150	SQ AlphaGuard BIO Base Coat, High Performance, Two-Part, Polyurethane Roof Coating For Granule MB Surfaces	391.14	
	Note: Two part liquid applied polyurethane roof coating. 64 mils.		
07 51 13 00-0151	SQ AlphaGuard BIO Top Coat, High Performance, Two-Part, Polyurethane Roof Coating.....	227.50	
	Note: Two part liquid applied polyurethane roof coating. 32 mils.		
07 51 13 00-0152	SQ AlphaGuard Glass Mat.....	34.04	
	Note: Reinforcement mat for AlphaGuard systems.		
07 51 13 00-0153	SQ AlphaGuard C-Prime Primer	49.80	
	Note: 100% solids epoxy primer for concrete surfaces.		
07 51 13 00-0154	SQ AlphaGuard M-Prime Primer.....	52.88	
	Note: Water based primer for metal and plastic surfaces.		
07 51 13 00-0155	SQ Geogard Primer	36.85	
	Note: Reactivation primer for cured AlphaGuard MT roof systems and coatings.		
07 51 13 00-0156	SQ AlphaGuard Primer WB	33.34	
	Note: Water based polymer modified primer which conditions a variety of roofing substrates prior to the application of AlphaGuard systems.		
07 51 13 00-0157	Atactic-Polypropylene (APP) Products (07 51 13 00-0076)		
07 51 13 00-0158	SQ POWERply APP Base Sheet.....	123.30	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 51 13 00-0159 SQ POWERply APP FR.....	231.66	
07 51 13 00-0160 SQ POWERply APP Smooth.....	185.71	
07 51 13 00-0161 Tri-Polymer Alloy (TPA) White Membrane (07 51 13 00-0076)		
07 51 13 00-0162 SQ 45 Mil Tri-Polymer Alloy (TPA) White Membrane	329.96	
07 51 13 00-0163 SQ 60 Mil Tri-Polymer Alloy (TPA) White Membrane	445.27	
07 51 13 00-0164 SQ 80 Mil Tri-Polymer Alloy (TPA) White Membrane	502.62	
07 51 13 00-0165 Tri-Polymer Alloy (TPA) Polyester Fleece Backed White Membrane (07 51 13 00-0076)		
07 51 13 00-0166 SQ 45 Mil Tri-Polymer Alloy (TPA) Polyester Fleece Backed White Membrane	375.51	
07 51 13 00-0167 SQ 60 Mil Tri-Polymer Alloy (TPA) Polyester Fleece Backed White Membrane	456.12	
07 51 13 00-0168 SQ 80 Mil Tri-Polymer Alloy (TPA) Polyester Fleece Backed White Membrane	553.86	
07 51 13 00-0169 Tri-Polymer Alloy (TPA) Membrane Accessories (07 51 13 00-0076)		
07 51 13 00-0170 EA >1" To 4" Pipe Diameter, Prefabricated Tri-Polymer Alloy (TPA) Pipe Cone/Boot (Tremco)	68.02	
07 51 13 00-0171 EA >4" To 8" Pipe Diameter, Prefabricated Tri-Polymer Alloy (TPA) Pipe Cone/Boot (Tremco)	77.19	
07 51 13 00-0172 LF 36" Wide, Thermoplastic Tri-Polymer Alloy (TPA) Walkway Protection Pad (Tremco)	12.78	
07 51 13 00-0173 SQ Factory Coated Steel Fasteners And Steel Or Plastic Membrane Plates (Tremco)	43.13	
07 51 13 00-0174 Thermoplastic Polyolefin (TPO) Polyester White Membrane (07 51 13 00-0076)		
07 51 13 00-0175 SQ 45 Mil Thermoplastic Polyolefin (TPO) Polyester White Membrane	184.32	
07 51 13 00-0176 SQ 60 Mil Thermoplastic Polyolefin (TPO) Polyester White Membrane	184.88	
07 51 13 00-0177 SQ 80 Mil Thermoplastic Polyolefin (TPO) Polyester White Membrane	320.63	
07 51 13 00-0178 Thermoplastic Polyolefin (TPO) Polyester Fleece Backed White Membrane (07 51 13 00-0076)		
07 51 13 00-0179 SQ 45 Mil Thermoplastic Polyolefin (TPO) Polyester Fleece Backed White Membrane.....	210.15	
07 51 13 00-0180 SQ 60 Mil Thermoplastic Polyolefin (TPO) Polyester Fleece Backed White Membrane.....	233.64	
07 51 13 00-0181 SQ 80 Mil Thermoplastic Polyolefin (TPO) Polyester Fleece Backed White Membrane.....	332.96	
07 51 13 00-0182 Tremply HP 4510 CSPE White Membrane (07 51 13 00-0076)		
07 51 13 00-0183 SQ 45 Mil Tremply HP 4510 CSPE White Membrane	537.17	
07 51 13 00-0184 Single Ply Adhesives (07 51 13 00-0076)		
07 51 13 00-0185 SQ Low VOC, TPA Bonding Adhesive (Tremco)	91.69	
07 51 13 00-0186 SQ Water Based, TPA Bonding Adhesive (Tremco).....	102.76	
07 51 13 00-0187 SQ Water Based, Fleece Backed Single Ply Bonding Adhesive (Tremco)	90.09	
07 51 13 00-0188 SQ Low VOC, TPO Bonding Adhesive (Tremco).....	62.18	
07 51 13 00-0189 Warranty (07 51 13 00-0076)		
07 51 13 00-0190 EA Up To 10,000 SF 15 Year Roofing System Warranty	1,500.00	
07 51 13 00-0191 SF >10,000 SF 15 Year Roofing System Warranty	0.15	
07 51 13 00-0192 EA Up To 10,000 SF 20 Year Roofing System Warranty	2,000.00	
07 51 13 00-0193 SF >10,000 SF 20 Year Roofing System Warranty	0.20	
07 51 13 00-0194 Built-Up Roofing Components (Garland) (07 51 13)		
Note: All tasks presented as a single layer. Adhesives are priced separately.		
07 51 13 00-0195 Modified Cap Membranes (07 51 13 00-0194)		
07 51 13 00-0196 Modified Cap Membranes, Hot/Cold Applied (07 51 13 00-0195)		
Note: As manufactured by Garland. Pricing represents single ply per square. Includes 30 year leak-free warranty.		
07 51 13 00-0197 SQ Stressply® FR Mineral Dual Fiberglass Reinforced SBS-Modified Fiberglass Reinforced Membrane, Minimum 145 Mil	316.89	
07 51 13 00-0198 SQ Stressply® Plus Poly/Fiberglass Reinforced, Smooth SBS-Modified Membrane With Recycled Rubber, 105 Mil	223.22	
07 51 13 00-0199 SQ Stressply® Plus FR Mineral Poly/Fiberglass Reinforced SBS-Modified Fiberglass Reinforced Membrane With Recycled Rubber, Minimum 155 Mil	275.55	
07 51 13 00-0200 SQ Stressply® E Eco-Responsible, Smooth SBS/SIS Membrane With High Recycled Content And Renewable Materials.....	286.22	
07 51 13 00-0201 SQ Stressply® E FR Mineral Eco-Responsible, SBS/SIS Membrane With High Recycled Content And Renewable Materials, Minimum 160 Mil	404.89	
07 51 13 00-0202 SQ Stressply® EUV SPF Fiberglass Reinforced, Minimum Poly/Fiberglass Reinforced White T-24 SBS/SIS-Modified Membrane With Recycled Rubber, 160 Mil	446.22	
07 51 13 00-0203 SQ Versiply® 80 Dual Fiberglass Reinforced SBS-Modified Membrane, 80 Mil	185.50	
Note: Low strength cap sheet for hot or cold modified systems used with gravel.		
07 51 13 00-0204 SQ Versiply® Mineral Dual Fiberglass Reinforced SBS-Modified Membrane, Minimum 145 Mil.....	235.55	
07 51 13 00-0205 SQ BiFlex® Cap Fiberglass Reinforced, Mineral Surfaced SBS Modified Membrane, 140 Mil	182.22	
07 51 13 00-0206 Modified Cap Membranes, Self-Adhering (07 51 13 00-0195)		
Note: As manufactured by Garland. Pricing represents single ply per square. Includes 25 year leak-free warranty.		

07 Thermal And Moisture Protection**07 50 Membrane Roofing****07 51 Built-Up Bituminous Roofing**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 51 13 00-0207 SQ Stressply® SA FR Mineral SBS-Modified Self-Adhering Fiberglass Reinforced Membrane, Minimum 140 Mil.....	281.22	
Note: Self adhering system. One HPR SA FR base with one ply Stress Ply SA FR cap sheet.		
07 51 13 00-0208 Modified Cap Membranes, Torch-Applied <small>(07 51 13 00-0195)</small>		
Note: As manufactured by Garland. Pricing represents single ply per square. Includes 30 year leak-free warranty.		
07 51 13 00-0209 SQ Stressply® IV Dual Fiberglass Reinforced, Smooth SBS-Modified Membrane, Torch Applied, 180 Mil	346.22	
Note: Smooth surfaced SBS torch modified top ply of torch system with gravel.		
07 51 13 00-0210 SQ Stressply® IV Mineral Dual Fiberglass Reinforced SBS-Modified Membrane, Torch Applied, Minimum 195 Mil	375.55	
07 51 13 00-0211 SQ Stressply® IV UV Mineral Fiberglass Reinforced, Starburst Surface SBS-Modified Membrane, Torch Applied, Title 24 Compliant, 195 Mil	396.89	
07 51 13 00-0212 Modified Cap Membranes, Coal Tar Pitch Systems <small>(07 51 13 00-0195)</small>		
Note: As manufactured by Garland. Pricing represents single ply per square. Includes 30 year leak-free warranty.		
07 51 13 00-0213 SQ Millennium® Poly/Fiberglass Reinforced, Smooth SBS-Modified Coal Tar Membrane, Minimum 120 Mil	316.36	
07 51 13 00-0214 SQ Millennium® FR Mineral Poly/Fiberglass Reinforced SBS-Modified Coal Tar Fiberglass Reinforced Membrane, Minimum 160 Mil.....	502.22	
07 51 13 00-0215 SQ Millennium® Mineral Poly/Fiberglass Reinforced SBS-Modified Coal Tar Membrane, Minimum 160 Mil	410.22	
07 51 13 00-0216 Base Plys <small>(07 51 13 00-0194)</small>		
Note: Used with modified cap membranes, underlayment for metal systems, and reinforcement for restoration systems.		
07 51 13 00-0217 SQ Flexbase® 120 Fiberglass Reinforced SBS-Modified Base Sheet Used As Base Ply With Biflex Cap, 120 Mil	302.22	
07 51 13 00-0218 SQ Flexbase® 80 Fiberglass Reinforced SBS-Modified Base Sheet Used As Base Ply With Biflex Cap, 80 Mil	179.22	
07 51 13 00-0219 SQ HPR® Aqua Shield Styrene-Butadiene Rubber (SBR)-Modified Fiberglass Reinforced Self-Adhering Underlayment For Ice And Water Protection, 60 Mil.....	113.00	
07 51 13 00-0220 SQ HPR® Glasbase Heavy Duty Double Coated ASTM D 4601, Type II Fiberglass, Type II, 55 Mil	42.17	
Note: Glasbase used in cold system, nailed to deck, or inner ply 2 plies with cap.		
07 51 13 00-0221 SQ HPR® Glasfelt Asphalt Saturated Fiberglass Felt, ASTM D 2178 Type IV, 20 Mil	28.70	
Note: Inner ply felts for hot applied built up and modified BUR systems.		
07 51 13 00-0222 SQ HPR® Premium Glasbase High Strength, Double Coated Premium Base Sheet, Far Exceeds ASTM D 4601 Type II, 55 Mil	63.50	
07 51 13 00-0223 SQ HPR® Premium Glasfelt Premium Asphalt Saturated Fiberglass Felt, ASTM D 2178 Type VI, 25 Mil.....	37.50	
07 51 13 00-0224 SQ HPR® Tribase Premium Poly/Fiberglass Reinforced SBS-Modified Base Sheet, 60 Mil.....	109.36	
Note: Inner plies for cold applied modified, SBS modified, or 2 plies under cap sheet.		
07 51 13 00-0225 SQ Millennium® Base Poly/Fiberglass Reinforced Coal Tar Base Sheet For Cold Millennium Systems, 80 Mil	181.03	
07 51 13 00-0226 SQ HPR® SA FR Base Sheet SBS Modified Self-Adhering Underlayment Used In SP SA Fiberglass Reinforced Systems, Minimum 80 Mil.....	158.22	
Note: Self adhering base ply for self adhering 2 ply system.		
07 51 13 00-0227 SQ HPR® Torch Base Sheet Fiberglass Reinforced SBS-Modified Base Sheet Used As Base Ply For Torch Applied Membranes, 110 Mil	213.22	
Note: Torch base sheet used as base ply for torch applied system.		
07 51 13 00-0228 SQ StressBase® 120 Fiberglass Reinforced SBS-Modified Underlayment Used With VersiPly And StressPly Cap Sheets, 120 Mil.....	158.50	
07 51 13 00-0229 SQ StressBase® 80 Fiberglass Reinforced, Smooth SBS-Modified Underlayment Used With VersiPly And StressPly Cap Sheets, 80 Mil	132.17	
07 51 13 00-0230 LF Garmesh® 6" SBS Coated Woven Fiberglass Reinforcing Fabric.....	3.50	
07 51 13 00-0231 SQ Grip Polyester® Firm Polyester Reinforcement Used For Cold Application Over Smooth BUR Or Modified Roof Systems.....	35.60	
07 51 13 00-0232 SQ Grip Polyester® Soft Polyester Reinforcement Used For Cold Applications Over Metal, Modified, Or Single Ply Roof Systems	33.20	
07 51 13 00-0233 LF Grip Polyester® Soft 12" Polyester Reinforcement Used For Cold Applications Over Metal, Modified, Or Single Ply Roof Systems	4.52	
07 51 13 00-0234 LF Grip Polyester® Soft 4" Polyester Reinforcement Used For Cold Applications Over Metal, Modified, Or Single Ply Roof Systems	3.37	
07 51 13 00-0235 LF Grip Polyester® Soft 6" Polyester Reinforcement Used For Cold Applications Over Metal, Modified, Or Single Ply Roof Systems	3.44	
07 51 13 00-0236 SQ 4873 HPR® Polyscrim Plus Polyester Reinforcement For Hot Bitumen Applications.....	70.20	
07 51 13 00-0237 Coatings And Mastics For Roof Installation, Restoration And Repairs <small>(07 51 13 00-0194)</small>		
07 51 13 00-0238 SQ Water Based Roof Primer, GarlaPrime VOC Primer (1 GAL/SQ)	30.42	
07 51 13 00-0239 SQ All-Knight™ Primer Bleed Blocker For Asphalt And Coal Tar Roofs Used With White-Knight, Garla-Brite And Pyramic Roof Systems (0.5 GAL/SQ).....	42.02	
07 51 13 00-0240 SQ Black-Knight® Primer (0.5 GAL/SQ).....	21.62	
07 51 13 00-0241 SQ Black-Knight® Cold, Cold Process Polymer Modified Coal Tar, Interply (1.5-2.0 GAL/SQ)	75.82	
07 51 13 00-0242 SQ Black-Knight® Cold, Cold Process Polymer Modified Coal Tar, Flood Coat (4-5 GAL/SQ)	181.30	
07 51 13 00-0243 SQ Black-Knight® Cold, Cold Process Polymer Modified Coal Tar, Restoration (6-8 GAL/SQ)	289.13	
07 51 13 00-0244 SQ Black-Knight® LV Hot Applied Polymer Modified Lower Viscosity Coal Tar Adhesive, Interply (30 LB/SQ).....	96.16	
07 51 13 00-0245 SQ Black-Knight® LV Hot Applied Polymer Modified Lower Viscosity Coal Tar Adhesive, Flood Coat (70 LB/SQ)	210.73	
07 51 13 00-0246 SQ Energizer® K Plus FR Cold Applied SBS Modified Asphalt Coating With Kevlar® For Smooth And Mineral Restoration, One Coat (3 GAL/SQ)	87.50	
07 51 13 00-0247 SQ Energizer® K Plus FR Cold Applied SBS Modified Asphalt Coating With Kevlar® For Smooth And Mineral Restoration, Restoration (6 GAL/SQ)	167.14	
07 51 13 00-0248 SQ Energizer® LO Low Odor Cold Applied Polyurethane Modified Asphalt Liquid Membrane For Smooth And Mineral Restoration, One Coat (3 GAL/SQ)	207.46	
07 51 13 00-0249 SQ Energizer® LO Low Odor Cold Applied Polyurethane Modified Asphalt Liquid Membrane For Smooth And Mineral Restoration, Restoration (6 GAL/SQ)	407.15	
07 51 13 00-0250 SQ Garlastic® KM Plus Premium Hot Applied, SEBS Modified Adhesive/Waterproof, Interply (25 LB/SQ).....	77.72	
07 51 13 00-0251 SQ Garlastic® KM Plus Premium Hot Applied, SEBS Modified Adhesive/Waterproof, Flood Coat (60 LB/SQ)	171.73	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 51 13 00-0252 SQ Green-Lock® Flashing Adhesive 100% Solids Polyether, Zero VOC, Flashing Adhesive To Be Used With SBS Sheets Only (2-3 GAL/SQ)	234.15	
07 51 13 00-0253 SQ Green-Lock® Membrane Adhesive 100% Solids Polyether, Zero VOC, Membrane Adhesive To Be Used With SBS Sheets Only (2.0-2.5 GAL/SQ)	166.30	
07 51 13 00-0254 SQ HPR® All-Temp Asphalt Hot Applied, High Softening Point, High Penetration Mopping Asphalt, Interply (25 LB/SQ).....	45.55	
07 51 13 00-0255 SQ HPR® All-Temp Asphalt Hot Applied, High Softening Point, High Penetration Mopping Asphalt, Flood Coat (60 LB/SQ).....	94.53	
07 51 13 00-0256 SQ Insul-Lock® E HR Bio-Based High Rise Urethane Insulation Adhesive For New Construction Or Gravel (150 SF/Cartridge).....	79.26	
07 51 13 00-0257 SQ Insul-Lock® HR High Rise Urethane Insulation Adhesive For New Construction Or Gravel Recovers (150 SF/Cartridge).....	78.90	
07 51 13 00-0258 SQ Insul-Lock® HR Universal Primer All-Purpose Water Based Primer Designed For Use With The Insul-Lock Products (150-200 SF/GAL)	34.48	
Note: Adheres all insulation layers for cold systems.		
07 51 13 00-0259 SQ Pyramic® White, Water-Based Acrylic, Low VOC, Reflective Roof Coating, Energy Star, Top Coat Required (1-1.5 GAL/SQ).....	60.18	
07 51 13 00-0260 SQ Pyramic® Base Coat, Water-Based, Acrylic, Low VOC, Base Coating For A Pyramic System, Top Coat Required (1-1.5 GAL/SQ).....	59.62	
07 51 13 00-0261 LF Silver-Flash® Aluminized Asphalt Fibered Trowel Grade Mastic Used With GarMesh (1 GAL/7 LF).....	11.72	
07 51 13 00-0262 SQ Solex® White, Kynar Acrylic Topcoat Roof Coating Used With Pyramic Base Coat (0.5 GAL/SQ).....	111.62	
07 51 13 00-0263 SQ Tuff-Flash™ Multi-Purpose Asphaltic Polyurethane Liquid Flashing Membrane Used With Reinforcing Fabric (2-2.5 GAL/SQ).....	209.24	
07 51 13 00-0264 SQ Weatherscreen™ Rubberized, Fiber-Reinforced Fire-Rated Restoration For Modified And Gravel, Flood Coat (4-5 GAL/SQ).....	111.53	
07 51 13 00-0265 SQ Weatherscreen™ Rubberized, Fiber-Reinforced Fire-Rated Restoration For Modified And Gravel, Restoration (6-8 GAL/SQ).....	153.94	
07 51 13 00-0266 SQ Weatherking® Cold Applied Rubber Modified Asphalt Interply Adhesive For Slopes Up To 3:12, Interply (2.5 GAL/SQ).....	68.30	
07 51 13 00-0267 SQ Weatherking® Flashing Adhesive Brush Grade, Cold Applied Asphalt Adhesive For Flashings In A Weatherking System (2-3 GAL/SQ).....	200.84	
07 51 13 00-0268 SQ Weatherking® Plus WC Cold Applied Rubber Modified, VOC Compliant Asphalt Interply Adhesive For Slopes Up To 2:12, Interply (2.5 GAL/SQ).....	67.80	
Note: Inner ply and flood coat SEBS modified adhesive for all cold systems with gravel.		

07 52 Modified Bituminous Membrane Roofing (07 50)

07 52 13 Atactic-Polypropylene Modified Bituminous Membrane Roofing (07 52)

Note: Includes all standard manufacturers' colors including white for granule and smooth surfaced cap sheets and flashing. See CSI section 07 51 13 00-0001 for additional components such as concrete primers, cant strips, surfacing, walkway boards, demolition and warranties.

07 52 13 11 Cold Adhesive Applied Atactic-Polypropylene-Modified Bituminous Membrane Roofing (07 52 13)

07 52 13 11-0001 Cold Adhesive Applied Atactic-Polypropylene-Modified Bituminous Membrane Roofing (07 52 13 11)

Note: Includes fiberglass and/or polyester reinforcement. Includes applying cold adhesive and embedding the membrane. Includes heat welding side and end laps when required.

07 52 13 11-0002 Cold Adhesive Applied, Atactic-Polypropylene (APP) Modified Bitumen Roofing Base, Ply And Cap Sheets (07 52 13 11-0001)

07 52 13 11-0003 SQ 80 Mil, Atactic-Polypropylene (APP) Modified Bitumen Base Sheet, Cold Adhesive Applied	96.58	
For Up To 10, Add	12.61	
For >10 To 25, Add	10.02	
07 52 13 11-0004 SQ 90 Mil, Atactic-Polypropylene (APP) Modified Bitumen Base Or Ply Sheet, Cold Adhesive Applied	115.22	
For Up To 10, Add	13.55	
For >10 To 25, Add	10.95	
07 52 13 11-0005 SQ 160 Mil, Atactic-Polypropylene (APP) Modified Bitumen Ply Sheet, Cold Adhesive Applied	187.18	
For Up To 10, Add	17.14	
For >10 To 25, Add	14.55	
07 52 13 11-0006 SQ 160 Mil, Smooth Surfaced, Atactic-Polypropylene (APP) Modified Bitumen Cap Sheet, Cold Adhesive Applied	189.66	
For Up To 10, Add	18.01	
For >10 To 25, Add	15.17	
07 52 13 11-0007 SQ 160 Mil, Granule Surfaced, Atactic-Polypropylene (APP) Modified Bitumen Cap Sheet, Cold Adhesive Applied	130.20	
For Up To 10, Add	15.04	
For >10 To 25, Add	12.19	
For Factory Applied White Reflective Surfacing, Add	52.56	
07 52 13 11-0008 SQ 160 Mil, Fire Rated, Granule Surfaced, Atactic-Polypropylene (APP) Modified Bitumen Cap Sheet, Cold Adhesive Applied	149.05	
For Up To 10, Add	15.98	
For >10 To 25, Add	13.14	
For Factory Applied White Reflective Surfacing, Add	52.56	
07 52 13 11-0009 SQ 180 Mil, Fire Rated, Granule Surfaced, Atactic-Polypropylene (APP) Modified Bitumen Cap Sheet, Cold Adhesive Applied	200.40	
For Up To 10, Add	18.55	
For >10 To 25, Add	15.70	
For Factory Applied White Reflective Surfacing, Add	52.56	

07 52 13 11-0010 Cold Adhesive Applied, Atactic-Polypropylene (APP) Modified Bitumen Roofing Flashing (07 52 13 11-0001)

07 52 13 11-0011 SF 160 Mil, Smooth Surfaced, Atactic-Polypropylene (APP) Modified Bitumen Flashing, Cold Adhesive Applied	4.21	
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07 Thermal And Moisture Protection**07 50 Membrane Roofing****07 52 Modified Bituminous Membrane Roofing**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

07 52 13 11-0012 SF 180 Mil, Fire Rated, Granule Surfaced, Atactic-Polypropylene (APP) Modified Bitumen Flashing, Cold Adhesive Applied.....4.32
For Factory Applied White Reflective Surfacing, Add 0.53

07 52 13 13 Torch-Applied Atactic-Polypropylene-Modified Bituminous Membrane Roofing (07 52 13)

07 52 13 13-0001 Torch-Applied Atactic-Polypropylene-Modified Bituminous Membrane Roofing (07 52 13 13)
Note: Includes fiberglass and/or polyester reinforcement. Includes adhering the membrane with a torch.

07 52 13 13-0002 Torch-Applied, APP Modified Bitumen Roofing Base, Ply And Cap Sheets (07 52 13 13-0001)

07 52 13 13-0003 SQ 80 Mil, APP Modified Bitumen Base Sheet, Torch-Applied.....66.18
For Up To 10, Add 9.15
For >10 To 25, Add 7.20

07 52 13 13-0004 SQ 90 Mil, APP Modified Bitumen Base Or Ply Sheet, Torch-Applied.....84.82
For Up To 10, Add 10.08
For >10 To 25, Add 8.13

07 52 13 13-0005 SQ 150 Mil, APP Modified Bitumen Ply Sheet, Torch-Applied.....93.57
For Up To 10, Add 10.52
For >10 To 25, Add 8.57

07 52 13 13-0006 SQ 160 Mil, APP Modified Bitumen Ply Sheet, Torch-Applied.....98.34
For Up To 10, Add 10.76
For >10 To 25, Add 8.81

07 52 13 13-0007 SQ 180 Mil, APP Modified Bitumen Ply Sheet, Torch-Applied.....137.05
For Up To 10, Add 12.69
For >10 To 25, Add 10.74

07 52 13 13-0008 SQ 150 Mil, Smooth Surfaced, APP Modified Bitumen Cap Sheet, Torch-Applied.....94.75
For Up To 10, Add 10.93
For >10 To 25, Add 8.86

07 52 13 13-0009 SQ 160 Mil, Smooth Surfaced, APP Modified Bitumen Cap Sheet, Torch-Applied.....100.71
For Up To 10, Add 11.22
For >10 To 25, Add 9.16

07 52 13 13-0010 SQ 180 Mil, Smooth Surfaced, APP Modified Bitumen Cap Sheet, Torch-Applied.....138.23
For Up To 10, Add 13.10
For >10 To 25, Add 11.04

07 52 13 13-0011 SQ 160 Mil, Granule Surfaced, APP Modified Bitumen Cap Sheet, Torch-Applied.....98.50
For Up To 10, Add 11.11
For >10 To 25, Add 9.05
For Factory Applied White Reflective Surfacing, Add 52.56

07 52 13 13-0012 SQ 170 Mil, Granule Surfaced, APP Modified Bitumen Cap Sheet, Torch-Applied.....104.29
For Up To 10, Add 11.40
For >10 To 25, Add 9.34
For Factory Applied White Reflective Surfacing, Add 52.56

07 52 13 13-0013 SQ 160 Mil, Fire Rated, Granule Surfaced, APP Modified Bitumen Cap Sheet, Torch-Applied.....118.48
For Up To 10, Add 12.11
For >10 To 25, Add 10.05
For Factory Applied White Reflective Surfacing, Add 52.56

07 52 13 13-0014 SQ 170 Mil, Fire Rated, Granule Surfaced, APP Modified Bitumen Cap Sheet, Torch-Applied.....120.21
For Up To 10, Add 12.20
For >10 To 25, Add 10.14
For Factory Applied White Reflective Surfacing, Add 52.56

07 52 13 13-0015 SQ 180 Mil, Fire Rated, Granule Surfaced, APP Modified Bitumen Cap Sheet, Torch-Applied.....168.70
For Up To 10, Add 14.62
For >10 To 25, Add 12.56
For Factory Applied White Reflective Surfacing, Add 52.56

07 52 13 13-0016 Torch-Applied, APP Modified Bitumen Roofing Flashing (07 52 13 13-0001)

07 52 13 13-0017 SF 150 Mil, Smooth Surfaced, APP Modified Bitumen Flashing, Torch-Applied.....1.92

07 52 13 13-0018 SF 160 Mil, Smooth Surfaced, APP Modified Bitumen Flashing, Torch-Applied.....1.98

07 52 13 13-0019 SF 180 Mil, Smooth Surfaced, APP Modified Bitumen Flashing, Torch-Applied.....2.35

07 52 13 13-0020 SF 170 Mil, Granule Surfaced, APP Modified Bitumen Flashing, Torch-Applied.....2.02
For Factory Applied White Reflective Surfacing, Add 0.53

07 52 13 13-0021 SF 170 Mil, Fire Rated, Granule Surfaced, APP Modified Bitumen Flashing, Torch-Applied.....2.17
For Factory Applied White Reflective Surfacing, Add 0.53

07 52 13 13-0022 SF 180 Mil, Fire Rated, Granule Surfaced, APP Modified Bitumen Flashing, Torch-Applied.....2.66
For Factory Applied White Reflective Surfacing, Add 0.53

07 52 13 14 Mechanically Fastened Atactic-Polypropylene-Modified Bituminous Membrane Roofing (07 52 13)

07 52 13 14-0001 Mechanically Fastened Atactic-Polypropylene-Modified Bituminous Membrane Roofing (07 52 13 14)
Note: Includes fiberglass and/or polyester reinforcement. Includes fasteners.

07 52 13 14-0002 Mechanically Fastened, APP Modified Bitumen Roofing Base And Ply Sheets (07 52 13 14-0001)

07 52 13 14-0003 SQ 90 Mil, APP Modified Bitumen Base Or Ply Sheet, Mechanically Fastened.....96.84
For Up To 10, Add 8.73
For >10 To 25, Add 7.43



Thermal And Moisture Protection	07
Membrane Roofing	07 50
Modified Bituminous Membrane Roofing	07 52

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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07 52 16 Styrene-Butadiene-Styrene Modified Bituminous Membrane Roofing (07 52)

Note: Includes all standard manufacturers' colors including white for granule and smooth surfaced cap sheets and flashing. See CSI section 07 51 13 00-0001 for additional components such as concrete primers, cant strips, surfacing, walkway boards, demolition and warranties.

07 52 16 11 Cold Adhesive Applied Styrene-Butadiene-Styrene Modified Bituminous Membrane Roofing (07 52 16)

07 52 16 11-0001 Cold Adhesive Applied Styrene-Butadiene-Styrene Modified Bituminous Membrane Roofing (07 52 16 11)

Note: Includes fiberglass and/or polyester reinforcement. Includes applying cold adhesive and embedding the membrane. Includes heat welding side and end laps when required.

07 52 16 11-0002 Cold Adhesive Applied, SBS Modified Bitumen Roofing Base, Ply And Cap Sheets (07 52 16 11-0001)

07 52 16 11-0003	SQ 50 Mil, SBS Modified Bitumen Base Sheet, Cold Adhesive Applied.....	78.34
	<i>For Up To 10, Add</i>	11.70
	<i>For >10 To 25, Add</i>	9.11
07 52 16 11-0004	SQ 80 Mil, SBS Modified Bitumen Base Sheet, Cold Adhesive Applied.....	99.03
	<i>For Up To 10, Add</i>	12.74
	<i>For >10 To 25, Add</i>	10.14
07 52 16 11-0005	SQ 90 Mil, SBS Modified Bitumen Base Sheet, Cold Adhesive Applied.....	101.70
	<i>For Up To 10, Add</i>	12.87
	<i>For >10 To 25, Add</i>	10.28
07 52 16 11-0006	SQ 120 Mil, SBS Modified Bitumen Base Or Ply Sheet, Cold Adhesive Applied.....	134.70
	<i>For Up To 10, Add</i>	14.52
	<i>For >10 To 25, Add</i>	11.93
07 52 16 11-0007	SQ 125 Mil, SBS Modified Bitumen Ply Sheet, Cold Adhesive Applied.....	168.10
	<i>For Up To 10, Add</i>	16.19
	<i>For >10 To 25, Add</i>	13.60
07 52 16 11-0008	SQ 140 Mil, Smooth Surfaced, SBS Modified Bitumen Cap Sheet, Cold Adhesive Applied.....	142.89
	<i>For Up To 10, Add</i>	15.67
	<i>For >10 To 25, Add</i>	12.83
07 52 16 11-0009	SQ 150 Mil, Smooth Surfaced, SBS Modified Bitumen Cap Sheet, Cold Adhesive Applied.....	146.48
	<i>For Up To 10, Add</i>	15.85
	<i>For >10 To 25, Add</i>	13.01
07 52 16 11-0010	SQ 125 Mil, Granule Surfaced, SBS Modified Bitumen Cap Sheet, Cold Adhesive Applied.....	129.66
	<i>For Up To 10, Add</i>	15.01
	<i>For >10 To 25, Add</i>	12.17
	<i>For Factory Applied White Reflective Surfacing, Add</i>	52.56
07 52 16 11-0011	SQ 140 Mil, Granule Surfaced, SBS Modified Bitumen Cap Sheet, Cold Adhesive Applied.....	131.21
	<i>For Up To 10, Add</i>	15.09
	<i>For >10 To 25, Add</i>	12.24
	<i>For Factory Applied White Reflective Surfacing, Add</i>	52.56
07 52 16 11-0012	SQ 150 Mil, Granule Surfaced, SBS Modified Bitumen Cap Sheet, Cold Adhesive Applied.....	145.53
	<i>For Up To 10, Add</i>	15.80
	<i>For >10 To 25, Add</i>	12.96
	<i>For Factory Applied White Reflective Surfacing, Add</i>	52.56
07 52 16 11-0013	SQ 160 Mil, Granule Surfaced, SBS Modified Bitumen Cap Sheet, Cold Adhesive Applied.....	147.91
	<i>For Up To 10, Add</i>	15.92
	<i>For >10 To 25, Add</i>	13.08
	<i>For Factory Applied White Reflective Surfacing, Add</i>	52.56
07 52 16 11-0014	SQ 170 Mil, Granule Surfaced, SBS Modified Bitumen Cap Sheet, Cold Adhesive Applied.....	168.79
	<i>For Up To 10, Add</i>	16.97
	<i>For >10 To 25, Add</i>	14.12
	<i>For Factory Applied White Reflective Surfacing, Add</i>	52.56
07 52 16 11-0015	SQ 180 Mil, Granule Surfaced, SBS Modified Bitumen Cap Sheet, Cold Adhesive Applied.....	206.82
	<i>For Up To 10, Add</i>	18.87
	<i>For >10 To 25, Add</i>	16.03
	<i>For Factory Applied White Reflective Surfacing, Add</i>	52.56
07 52 16 11-0016	SQ 125 Mil, Fire Rated, Granule Surfaced, SBS Modified Bitumen Cap Sheet, Cold Adhesive Applied.....	132.25
	<i>For Up To 10, Add</i>	15.14
	<i>For >10 To 25, Add</i>	12.30
	<i>For Factory Applied White Reflective Surfacing, Add</i>	52.56
07 52 16 11-0017	SQ 140 Mil, Fire Rated, Granule Surfaced, SBS Modified Bitumen Cap Sheet, Cold Adhesive Applied.....	135.99
	<i>For Up To 10, Add</i>	15.33
	<i>For >10 To 25, Add</i>	12.48
	<i>For Factory Applied White Reflective Surfacing, Add</i>	52.56
07 52 16 11-0018	SQ 150 Mil, Fire Rated, Granule Surfaced, SBS Modified Bitumen Cap Sheet, Cold Adhesive Applied.....	156.26
	<i>For Up To 10, Add</i>	16.34
	<i>For >10 To 25, Add</i>	13.50
	<i>For Factory Applied White Reflective Surfacing, Add</i>	52.56
07 52 16 11-0019	SQ 160 Mil, Fire Rated, Granule Surfaced, SBS Modified Bitumen Cap Sheet, Cold Adhesive Applied.....	156.74
	<i>For Up To 10, Add</i>	16.36
	<i>For >10 To 25, Add</i>	13.52
	<i>For Factory Applied White Reflective Surfacing, Add</i>	52.56
07 52 16 11-0020	SQ 170 Mil, Fire Rated, Granule Surfaced, SBS Modified Bitumen Cap Sheet, Cold Adhesive Applied.....	165.81
	<i>For Up To 10, Add</i>	16.82
	<i>For >10 To 25, Add</i>	13.97
	<i>For Factory Applied White Reflective Surfacing, Add</i>	52.56

07 52 16 11-0021 Cold Adhesive Applied, SBS Modified Bitumen Roofing Flashing (07 52 16 11-0001)

07 Thermal And Moisture Protection**07 50 Membrane Roofing****07 52 Modified Bituminous Membrane Roofing**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

07 52 16 11-0022	SF	150 Mil, Smooth Surfaced, SBS Modified Bitumen Flashing, Cold Adhesive Applied.....	3.78	
07 52 16 11-0023	SF	125 Mil, Granule Surfaced, SBS Modified Bitumen Flashing, Cold Adhesive Applied.....	3.61	
		<i>For Factory Applied White Reflective Surfacing, Add</i>	0.53	
07 52 16 11-0024	SF	140 Mil, Granule Surfaced, SBS Modified Bitumen Flashing, Cold Adhesive Applied.....	3.63	
		<i>For Factory Applied White Reflective Surfacing, Add</i>	0.53	
07 52 16 11-0025	SF	160 Mil, Granule Surfaced, SBS Modified Bitumen Flashing, Cold Adhesive Applied.....	3.80	
		<i>For Factory Applied White Reflective Surfacing, Add</i>	0.53	
07 52 16 11-0026	SF	170 Mil, Granule Surfaced, SBS Modified Bitumen Flashing, Cold Adhesive Applied.....	4.00	
		<i>For Factory Applied White Reflective Surfacing, Add</i>	0.53	
07 52 16 11-0027	SF	180 Mil, Granule Surfaced, SBS Modified Bitumen Flashing, Cold Adhesive Applied.....	4.38	
		<i>For Factory Applied White Reflective Surfacing, Add</i>	0.53	
07 52 16 11-0028	SF	125 Mil, Fire Rated, Granule Surfaced, SBS Modified Bitumen Flashing, Cold Adhesive Applied.....	3.64	
		<i>For Factory Applied White Reflective Surfacing, Add</i>	0.53	
07 52 16 11-0029	SF	140 Mil, Fire Rated, Granule Surfaced, SBS Modified Bitumen Flashing, Cold Adhesive Applied.....	3.68	
		<i>For Factory Applied White Reflective Surfacing, Add</i>	0.53	
07 52 16 11-0030	SF	160 Mil, Fire Rated, Granule Surfaced, SBS Modified Bitumen Flashing, Cold Adhesive Applied.....	3.88	
		<i>For Factory Applied White Reflective Surfacing, Add</i>	0.53	
07 52 16 11-0031	SF	170 Mil, Fire Rated, Granule Surfaced, SBS Modified Bitumen Flashing, Cold Adhesive Applied.....	3.97	
		<i>For Factory Applied White Reflective Surfacing, Add</i>	0.53	
07 52 16 11-0032	SF	145 Mil, Aluminum Foil Surfaced, SBS Modified Bitumen Flashing, Cold Adhesive Applied.....	4.72	
07 52 16 11-0033	SF	160 Mil, Copper Foil Surfaced, SBS Modified Bitumen Flashing, Cold Adhesive Applied.....	7.40	

07 52 16 12 Hot-Mopped Styrene-Butadiene-Styrene Modified Bituminous Membrane Roofing (07 52 16)**07 52 16 12-0001 Hot-Mopped Styrene-Butadiene-Styrene Modified Bituminous Membrane Roofing** (07 52 16 12)

Note: Includes fiberglass and/or polyester reinforcement. Includes mopping hot asphalt and embedding the membrane.

07 52 16 12-0002 Hot-Mopped, SBS Modified Bitumen Roofing Base, Ply And Cap Sheets (07 52 16 12-0001)

07 52 16 12-0003	SQ	50 Mil, SBS Modified Bitumen Base Sheet, Hot-Mopped.....	66.32	
		<i>For Up To 10, Add</i>	11.10	
		<i>For >10 To 25, Add</i>	8.51	
07 52 16 12-0004	SQ	80 Mil, SBS Modified Bitumen Base Sheet, Hot-Mopped.....	87.01	
		<i>For Up To 10, Add</i>	12.14	
		<i>For >10 To 25, Add</i>	9.54	
07 52 16 12-0005	SQ	90 Mil, SBS Modified Bitumen Base Sheet, Hot-Mopped.....	89.68	
		<i>For Up To 10, Add</i>	12.27	
		<i>For >10 To 25, Add</i>	9.67	
07 52 16 12-0006	SQ	120 Mil, SBS Modified Bitumen Base Or Ply Sheet, Hot-Mopped.....	122.68	
		<i>For Up To 10, Add</i>	13.92	
		<i>For >10 To 25, Add</i>	11.32	
07 52 16 12-0007	SQ	125 Mil, SBS Modified Bitumen Ply Sheet, Hot-Mopped.....	156.08	
		<i>For Up To 10, Add</i>	15.59	
		<i>For >10 To 25, Add</i>	12.99	
07 52 16 12-0008	SQ	140 Mil, Smooth Surfaced, SBS Modified Bitumen Cap Sheet, Hot-Mopped.....	130.92	
		<i>For Up To 10, Add</i>	15.07	
		<i>For >10 To 25, Add</i>	12.23	
07 52 16 12-0009	SQ	150 Mil, Smooth Surfaced, SBS Modified Bitumen Cap Sheet, Hot-Mopped.....	134.52	
		<i>For Up To 10, Add</i>	15.25	
		<i>For >10 To 25, Add</i>	12.41	
07 52 16 12-0010	SQ	125 Mil, Granule Surfaced, SBS Modified Bitumen Cap Sheet, Hot-Mopped.....	117.70	
		<i>For Up To 10, Add</i>	14.41	
		<i>For >10 To 25, Add</i>	11.57	
		<i>For Factory Applied White Reflective Surfacing, Add</i>	52.56	
07 52 16 12-0011	SQ	140 Mil, Granule Surfaced, SBS Modified Bitumen Cap Sheet, Hot-Mopped.....	119.25	
		<i>For Up To 10, Add</i>	14.49	
		<i>For >10 To 25, Add</i>	11.65	
		<i>For Factory Applied White Reflective Surfacing, Add</i>	52.56	
07 52 16 12-0012	SQ	150 Mil, Granule Surfaced, SBS Modified Bitumen Cap Sheet, Hot-Mopped.....	133.56	
		<i>For Up To 10, Add</i>	15.20	
		<i>For >10 To 25, Add</i>	12.36	
		<i>For Factory Applied White Reflective Surfacing, Add</i>	52.56	
07 52 16 12-0013	SQ	160 Mil, Granule Surfaced, SBS Modified Bitumen Cap Sheet, Hot-Mopped.....	135.95	
		<i>For Up To 10, Add</i>	15.32	
		<i>For >10 To 25, Add</i>	12.48	
		<i>For Factory Applied White Reflective Surfacing, Add</i>	52.56	
07 52 16 12-0014	SQ	170 Mil, Granule Surfaced, SBS Modified Bitumen Cap Sheet, Hot-Mopped.....	156.82	
		<i>For Up To 10, Add</i>	16.37	
		<i>For >10 To 25, Add</i>	13.53	
		<i>For Factory Applied White Reflective Surfacing, Add</i>	52.56	
07 52 16 12-0015	SQ	180 Mil, Granule Surfaced, SBS Modified Bitumen Cap Sheet, Hot-Mopped.....	194.85	
		<i>For Up To 10, Add</i>	18.27	
		<i>For >10 To 25, Add</i>	15.43	
		<i>For Factory Applied White Reflective Surfacing, Add</i>	52.56	
07 52 16 12-0016	SQ	125 Mil, Fire Rated, Granule Surfaced, SBS Modified Bitumen Cap Sheet, Hot-Mopped.....	120.28	
		<i>For Up To 10, Add</i>	14.54	
		<i>For >10 To 25, Add</i>	11.70	
		<i>For Factory Applied White Reflective Surfacing, Add</i>	52.56	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 52 16 12-0017 SQ 140 Mil, Fire Rated, Granule Surfaced, SBS Modified Bitumen Cap Sheet, Hot-Mopped	124.02	
<i>For Up To 10, Add</i>	14.73	
<i>For >10 To 25, Add</i>	11.89	
<i>For Factory Applied White Reflective Surfacing, Add</i>	52.56	
07 52 16 12-0018 SQ 150 Mil, Fire Rated, Granule Surfaced, SBS Modified Bitumen Cap Sheet, Hot-Mopped	144.30	
<i>For Up To 10, Add</i>	15.74	
<i>For >10 To 25, Add</i>	12.90	
<i>For Factory Applied White Reflective Surfacing, Add</i>	52.56	
07 52 16 12-0019 SQ 160 Mil, Fire Rated, Granule Surfaced, SBS Modified Bitumen Cap Sheet, Hot-Mopped	144.77	
<i>For Up To 10, Add</i>	15.76	
<i>For >10 To 25, Add</i>	12.92	
<i>For Factory Applied White Reflective Surfacing, Add</i>	52.56	
07 52 16 12-0020 SQ 170 Mil, Fire Rated, Granule Surfaced, SBS Modified Bitumen Cap Sheet, Hot-Mopped	153.84	
<i>For Up To 10, Add</i>	16.22	
<i>For >10 To 25, Add</i>	13.38	
<i>For Factory Applied White Reflective Surfacing, Add</i>	52.56	
07 52 16 12-0021 Hot-Mopped, SBS Modified Bitumen Roofing Flashing <small>(07 52 16 12-0001)</small>		
07 52 16 12-0022 SF 150 Mil, Smooth Surfaced, SBS Modified Bitumen Flashing, Hot-Mopped.....	2.69	
07 52 16 12-0023 SF 125 Mil, Granule Surfaced, SBS Modified Bitumen Flashing, Hot-Mopped	2.52	
<i>For Factory Applied White Reflective Surfacing, Add</i>	0.53	
07 52 16 12-0024 SF 140 Mil, Granule Surfaced, SBS Modified Bitumen Flashing, Hot-Mopped	2.54	
<i>For Factory Applied White Reflective Surfacing, Add</i>	0.53	
07 52 16 12-0025 SF 150 Mil, Granule Surfaced, SBS Modified Bitumen Flashing, Hot-Mopped	2.68	
<i>For Factory Applied White Reflective Surfacing, Add</i>	0.53	
07 52 16 12-0026 SF 160 Mil, Granule Surfaced, SBS Modified Bitumen Flashing, Hot-Mopped	2.70	
<i>For Factory Applied White Reflective Surfacing, Add</i>	0.53	
07 52 16 12-0027 SF 170 Mil, Granule Surfaced, SBS Modified Bitumen Flashing, Hot-Mopped	2.91	
<i>For Factory Applied White Reflective Surfacing, Add</i>	0.53	
07 52 16 12-0028 SF 180 Mil, Granule Surfaced, SBS Modified Bitumen Flashing, Hot-Mopped	3.29	
<i>For Factory Applied White Reflective Surfacing, Add</i>	0.53	
07 52 16 12-0029 SF 125 Mil, Fire Rated, Granule Surfaced, SBS Modified Bitumen Flashing, Hot-Mopped.....	2.55	
<i>For Factory Applied White Reflective Surfacing, Add</i>	0.53	
07 52 16 12-0030 SF 140 Mil, Fire Rated, Granule Surfaced, SBS Modified Bitumen Flashing, Hot-Mopped.....	2.58	
<i>For Factory Applied White Reflective Surfacing, Add</i>	0.53	
07 52 16 12-0031 SF 160 Mil, Fire Rated, Granule Surfaced, SBS Modified Bitumen Flashing, Hot-Mopped.....	2.75	
<i>For Factory Applied White Reflective Surfacing, Add</i>	0.53	
07 52 16 12-0032 SF 170 Mil, Fire Rated, Granule Surfaced, SBS Modified Bitumen Flashing, Hot-Mopped.....	2.88	
<i>For Factory Applied White Reflective Surfacing, Add</i>	0.53	
07 52 16 12-0033 SF 145 Mil, Aluminum Foil Surfaced, SBS Modified Bitumen Flashing, Hot-Mopped	3.62	
07 52 16 12-0034 SF 160 Mil, Copper Foil Surfaced, SBS Modified Bitumen Flashing, Hot-Mopped.....	6.31	
07 52 16 13 Torch-Applied Styrene-Butadiene-Styrene Modified Bituminous Membrane Roofing <small>(07 52 16)</small>		
07 52 16 13-0001 Torch-Applied Styrene-Butadiene-Styrene Modified Bituminous Membrane Roofing <small>(07 52 16 13)</small>		
<small>Note: Includes fiberglass and/or polyester reinforcement. Includes adhering the membrane with a torch.</small>		
07 52 16 13-0002 Torch-Applied, SBS Modified Bitumen Roofing Base, Ply And Cap Sheets <small>(07 52 16 13-0001)</small>		
07 52 16 13-0003 SQ 120 Mil, SBS Modified Bitumen Base Or Ply Sheet, Torch-Applied.....	110.27	
<i>For Up To 10, Add</i>	11.35	
<i>For >10 To 25, Add</i>	9.41	
07 52 16 13-0004 SQ 150 Mil, Granule Surfaced, SBS Modified Bitumen Cap Sheet, Torch-Applied	99.88	
<i>For Up To 10, Add</i>	11.18	
<i>For >10 To 25, Add</i>	9.12	
<i>For Factory Applied White Reflective Surfacing, Add</i>	52.56	
07 52 16 13-0005 SQ 160 Mil, Granule Surfaced, SBS Modified Bitumen Cap Sheet, Torch-Applied	113.47	
<i>For Up To 10, Add</i>	11.86	
<i>For >10 To 25, Add</i>	9.80	
<i>For Factory Applied White Reflective Surfacing, Add</i>	52.56	
07 52 16 13-0006 SQ 180 Mil, Granule Surfaced, SBS Modified Bitumen Cap Sheet, Torch-Applied	175.12	
<i>For Up To 10, Add</i>	14.95	
<i>For >10 To 25, Add</i>	12.88	
<i>For Factory Applied White Reflective Surfacing, Add</i>	52.56	
07 52 16 13-0007 SQ 150 Mil, Fire Rated, Granule Surfaced, SBS Modified Bitumen Cap Sheet, Torch-Applied.....	103.76	
<i>For Up To 10, Add</i>	11.38	
<i>For >10 To 25, Add</i>	9.31	
<i>For Factory Applied White Reflective Surfacing, Add</i>	52.56	
07 52 16 13-0008 SQ 160 Mil, Fire Rated, Granule Surfaced, SBS Modified Bitumen Cap Sheet, Torch-Applied.....	119.80	
<i>For Up To 10, Add</i>	12.18	
<i>For >10 To 25, Add</i>	10.12	
<i>For Factory Applied White Reflective Surfacing, Add</i>	52.56	
07 52 16 13-0009 SQ 165 Mil, Fire Rated, Granule Surfaced, SBS Modified Bitumen Cap Sheet, Torch-Applied.....	124.90	
<i>For Up To 10, Add</i>	12.43	
<i>For >10 To 25, Add</i>	10.37	
<i>For Factory Applied White Reflective Surfacing, Add</i>	52.56	
07 52 16 13-0010 SQ 180 Mil, Fire Rated, Granule Surfaced, SBS Modified Bitumen Cap Sheet, Torch-Applied.....	162.32	
<i>For Up To 10, Add</i>	14.31	
<i>For >10 To 25, Add</i>	12.24	
<i>For Factory Applied White Reflective Surfacing, Add</i>	52.56	

07 Thermal And Moisture Protection**07 50 Membrane Roofing****07 52 Modified Bituminous Membrane Roofing**
 MINOR
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 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

07 52 16 13-0011	Torch-Applied, SBS Modified Bitumen Roofing Flashing (07 52 16 13-0001)		
07 52 16 13-0012	SF 150 Mil, Smooth Surfaced, SBS Modified Bitumen Flashing, Torch-Applied	2.12	
07 52 16 13-0013	SF 150 Mil, Granule Surfaced, SBS Modified Bitumen Flashing, Torch-Applied	2.11	
	<i>For Factory Applied White Reflective Surfacing, Add</i>	0.53	
07 52 16 13-0014	SF 180 Mil, Granule Surfaced, SBS Modified Bitumen Flashing, Torch-Applied	2.72	
	<i>For Factory Applied White Reflective Surfacing, Add</i>	0.53	
07 52 16 13-0015	SF 160 Mil, Fire Rated, Granule Surfaced, SBS Modified Bitumen Flashing, Torch-Applied	2.18	
	<i>For Factory Applied White Reflective Surfacing, Add</i>	0.53	
07 52 16 13-0016	SF 165 Mil, Fire Rated, Granule Surfaced, SBS Modified Bitumen Flashing, Torch-Applied	2.22	
	<i>For Factory Applied White Reflective Surfacing, Add</i>	0.53	
07 52 16 13-0017	SF 180 Mil, Fire Rated, Granule Surfaced, SBS Modified Bitumen Flashing, Torch-Applied	2.60	
	<i>For Factory Applied White Reflective Surfacing, Add</i>	0.53	
07 52 16 13-0018	SF 150 Mil, Aluminum Foil Surfaced, SBS Modified Bitumen Flashing, Torch-Applied	2.68	
07 52 16 13-0019	SF 160 Mil, Copper Foil Surfaced, SBS Modified Bitumen Flashing, Torch-Applied	5.74	

07 52 16 14 Mechanically Fastened Styrene-Butadiene-Styrene Modified Bituminous Membrane Roofing (07 52 16)

07 52 16 14-0001	Mechanically Fastened Styrene-Butadiene-Styrene Modified Bituminous Membrane Roofing (07 52 16 14)		
	Note: Includes fiberglass and/or polyester reinforcement. Includes fasteners.		
07 52 16 14-0002	Mechanically Fastened, SBS Modified Bitumen Roofing Base And Ply Sheets (07 52 16 14-0001)		
07 52 16 14-0003	SQ 35 Mil, SBS Modified Bitumen Ply Sheet, Mechanically Fastened	76.28	
	<i>For Up To 10, Add</i>	7.70	
	<i>For >10 To 25, Add</i>	6.41	
07 52 16 14-0004	SQ 50 Mil, SBS Modified Bitumen Base Sheet, Mechanically Fastened	59.96	
	<i>For Up To 10, Add</i>	6.89	
	<i>For >10 To 25, Add</i>	5.59	
07 52 16 14-0005	SQ 80 Mil, SBS Modified Bitumen Base Sheet, Mechanically Fastened	76.03	
	<i>For Up To 10, Add</i>	7.69	
	<i>For >10 To 25, Add</i>	6.39	
07 52 16 14-0006	SQ 90 Mil, SBS Modified Bitumen Base Sheet, Mechanically Fastened	93.78	
	<i>For Up To 10, Add</i>	8.58	
	<i>For >10 To 25, Add</i>	7.28	
07 52 16 14-0007	SQ 120 Mil, SBS Modified Bitumen Base Or Ply Sheet, Mechanically Fastened	116.32	
	<i>For Up To 10, Add</i>	9.70	
	<i>For >10 To 25, Add</i>	8.41	

07 52 16 14-0008	Mechanically Fastened, SBS Modified Bitumen Roofing Flashing (07 52 16 14-0001)		
07 52 16 14-0009	SF 150 Mil, Smooth Surfaced, SBS Modified Bitumen Flashing, Mechanically Fastened	1.73	
07 52 16 14-0010	SF 160 Mil, Granule Surfaced, SBS Modified Bitumen Flashing, Mechanically Fastened	1.76	

07 52 16 15 Self-Adhering Styrene-Butadiene-Styrene Modified Bituminous Membrane Roofing (07 52 16)

07 52 16 15-0001	Self-Adhering Styrene-Butadiene-Styrene Modified Bituminous Membrane Roofing (07 52 16 15)		
	Note: Includes fiberglass and/or polyester reinforcement. Includes removing the release film(s) from the membrane and applying the membrane.		
07 52 16 15-0002	Self-Adhering, SBS Modified Bitumen Roofing Base, Ply And Cap Sheets (07 52 16 15-0001)		
07 52 16 15-0003	SQ 60 Mil, SBS Modified Bitumen Base Sheet, Self-Adhering	63.36	
	<i>For Up To 10, Add</i>	7.84	
	<i>For >10 To 25, Add</i>	6.28	
07 52 16 15-0004	SQ 70 Mil, SBS Modified Bitumen Base Sheet, Self-Adhering	66.74	
	<i>For Up To 10, Add</i>	8.01	
	<i>For >10 To 25, Add</i>	6.45	
07 52 16 15-0005	SQ 120 Mil, SBS Modified Bitumen Base Sheet, Self-Adhering	108.58	
	<i>For Up To 10, Add</i>	10.45	
	<i>For >10 To 25, Add</i>	8.78	
07 52 16 15-0006	SQ 150 Mil, Granule Surfaced, SBS Modified Bitumen Cap Sheet, Self-Adhering	128.40	
	<i>For Up To 10, Add</i>	11.44	
	<i>For >10 To 25, Add</i>	9.77	
	<i>For Factory Applied White Reflective Surfacing, Add</i>	52.56	
07 52 16 15-0007	SQ 160 Mil, Granule Surfaced, SBS Modified Bitumen Cap Sheet, Self-Adhering	186.85	
	<i>For Up To 10, Add</i>	14.36	
	<i>For >10 To 25, Add</i>	12.69	
	<i>For Factory Applied White Reflective Surfacing, Add</i>	52.56	
07 52 16 15-0008	Self-Adhering, SBS Modified Bitumen Roofing Flashing (07 52 16 15-0001)		
07 52 16 15-0009	SF 70 Mil, SBS Modified Bitumen Flashing, Self-Adhering	2.10	
07 52 16 15-0010	SF 150 Mil, Granule Surfaced, SBS Modified Bitumen Flashing, Self-Adhering	2.30	
	<i>For Factory Applied White Reflective Surfacing, Add</i>	0.53	



Thermal And Moisture Protection		07
Membrane Roofing		07 50
Modified Bituminous Membrane Roofing		07 52

07

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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07 52 16 15-0011 SF 160 Mil, Granule Surfaced, SBS Modified Bitumen Flashing, Self-Adhering <i>For Factory Applied White Reflective Surfacing, Add</i>	2.88 0.53	
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07 53 Elastomeric Membrane Roofing (07 50)

Note: Includes 10 year warranty. All warranties are no dollar limit to include material, equipment and labor. Excludes concrete primer, insulation, slip sheets, wood nailers, cant strips, coping removal and reinstallation, gravel stop, walkway pads and drainage devices. See CSI section 07 26 13 00-0000 for wood deck building paper.

07 53 16 Chlorosulfonate-Polyethylene Roofing (07 53)

07 53 16 00-0001 Chlorosulfonated Polyethylene-Hypalon (CSPE) Roofing Membranes (07 53 16)

Note: Includes hot air welding or adhesive bonding of seams.

07 53 16 00-0002 SQ 45 Mil, Single Ply CSPE Roofing Membrane, Fully Adhered	278.02	62.75
<i>Note: Includes adhesive.</i>		
<i>For Up To 10, Add</i>		
	51.27	
<i>For >10 To 25, Add</i>		
	38.81	
<i>For 15 Year Warranty, Add</i>		
	3.00	
07 53 16 00-0003 SQ 45 Mil, Single Ply CSPE Roofing Membrane, Ballasted	189.75	31.38
<i>Note: Includes ballast.</i>		
<i>For Up To 10, Add</i>		
	28.17	
<i>For >10 To 25, Add</i>		
	21.94	
<i>For 15 Year Warranty, Add</i>		
	3.00	
07 53 16 00-0004 SQ 45 Mil, Single Ply CSPE Roofing Membrane, Mechanically Fastened	213.23	47.06
<i>Note: Includes fasteners.</i>		
<i>For Up To 10, Add</i>		
	38.69	
<i>For >10 To 25, Add</i>		
	29.35	
<i>For 15 Year Warranty, Add</i>		
	3.00	

07 53 23 Ethylene-Propylene-Diene-Monomer Roofing (07 53)

07 53 23 00-0001 Ethylene Propylene Diene Monomer (EPDM) Roofing Membranes (07 53 23)

Note: Includes splicing of seams using adhesive or seam tape. Black ethylene propylene diene monomer (EPDM).

07 53 23 00-0002 SQ 45 Mil, Single Ply Ethylene Propylene Diene Monomer (EPDM) Roofing Membrane, Ballasted	148.06	31.38
<i>Note: Includes ballast.</i>		
<i>For Up To 10, Add</i>		
	26.09	
<i>For >10 To 25, Add</i>		
	19.86	
<i>For 15 Year Warranty, Add</i>		
	3.00	
<i>For Low Slope Fire Rated, Add</i>		
	4.22	
<i>For Reinforced Ethylene Propylene Diene Monomer (EPDM), Add</i>		
	11.36	
07 53 23 00-0003 SQ 60 Mil, Single Ply Ethylene Propylene Diene Monomer (EPDM) Roofing Membrane, Ballasted	165.42	33.34
<i>Note: Includes ballast.</i>		
<i>For Up To 10, Add</i>		
	28.12	
<i>For >10 To 25, Add</i>		
	21.51	
<i>For 15 Year Warranty, Add</i>		
	3.00	
<i>For 20 Year Warranty, Add</i>		
	6.00	
<i>For 25 Year Warranty, Add</i>		
	8.00	
<i>For Low Slope Fire Rated, Add</i>		
	4.22	
<i>For Reinforced Ethylene Propylene Diene Monomer (EPDM), Add</i>		
	11.36	
07 53 23 00-0004 SQ 90 Mil, Single Ply Ethylene Propylene Diene Monomer (EPDM) Roofing Membrane, Ballasted	239.15	35.29
<i>Note: Includes ballast.</i>		
<i>For Up To 10, Add</i>		
	32.98	
<i>For >10 To 25, Add</i>		
	25.97	
<i>For 15 Year Warranty, Add</i>		
	3.00	
<i>For 20 Year Warranty, Add</i>		
	6.00	
<i>For 25 Year Warranty, Add</i>		
	8.00	
<i>For Low Slope Fire Rated, Add</i>		
	4.22	
07 53 23 00-0005 SQ 45 Mil, Single Ply Ethylene Propylene Diene Monomer (EPDM) Roofing Membrane, Partially Adhered (40%)	181.45	47.06
<i>Note: Includes adhesive and fasteners.</i>		
<i>For Up To 10, Add</i>		
	37.10	
<i>For >10 To 25, Add</i>		
	27.76	
<i>For 15 Year Warranty, Add</i>		
	3.00	
<i>For Low Slope Fire Rated, Add</i>		
	4.22	
<i>For Low VOC Adhesive, Add</i>		
	18.93	
<i>For Reinforced Ethylene Propylene Diene Monomer (EPDM), Add</i>		
	11.36	
<i>For White Ethylene Propylene Diene Monomer (EPDM) Or Factory Applied White Coating, Add</i>		
	40.30	
<i>For Integral Polyester Fleece-Backing, Add</i>		
	58.95	
07 53 23 00-0006 SQ 60 Mil, Single Ply Ethylene Propylene Diene Monomer (EPDM) Roofing Membrane, Partially Adhered (40%)	198.81	49.03
<i>Note: Includes adhesive and fasteners.</i>		
<i>For Up To 10, Add</i>		
	39.13	
<i>For >10 To 25, Add</i>		
	29.40	
<i>For 15 Year Warranty, Add</i>		
	3.00	
<i>For 20 Year Warranty, Add</i>		
	6.00	
<i>For 25 Year Warranty, Add</i>		
	8.00	
<i>For Low Slope Fire Rated, Add</i>		
	4.22	
<i>For Low VOC Adhesive, Add</i>		
	18.93	
<i>For Reinforced Ethylene Propylene Diene Monomer (EPDM), Add</i>		
	11.36	
<i>For White Ethylene Propylene Diene Monomer (EPDM) Or Factory Applied White Coating, Add</i>		
	40.30	
<i>For Integral Polyester Fleece-Backing, Add</i>		
	65.15	

07 Thermal And Moisture Protection**07 50 Membrane Roofing****07 53 Elastomeric Membrane Roofing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 53 23 00-0007	SQ		90 Mil, Single Ply Ethylene Propylene Diene Monomer (EPDM) Roofing Membrane, Partially Adhered (40%)	272.54	50.98
			Note: Includes adhesive and fasteners.		
			For Up To 10, Add	43.99	
			For >10 To 25, Add	33.87	
			For 15 Year Warranty, Add	3.00	
			For 20 Year Warranty, Add	6.00	
			For 25 Year Warranty, Add	8.00	
			For Low Slope Fire Rated, Add	4.22	
			For Low VOC Adhesive, Add	18.93	
			For White Ethylene Propylene Diene Monomer (EPDM) Or Factory Applied White Coating, Add	40.30	
			For Integral Polyester Fleece-Backing, Add	71.90	
07 53 23 00-0008	SQ		45 Mil, Single Ply Ethylene Propylene Diene Monomer (EPDM) Roofing Membrane, Fully Adhered.....	240.04	62.75
			Note: Includes adhesive and fasteners.		
			For Up To 10, Add	49.37	
			For >10 To 25, Add	36.91	
			For 15 Year Warranty, Add	3.00	
			For Low Slope Fire Rated, Add	4.22	
			For Reinforced Ethylene Propylene Diene Monomer (EPDM), Add	11.36	
			For Low VOC Adhesive, Add	47.33	
			For White Ethylene Propylene Diene Monomer (EPDM) Or Factory Applied White Coating, Add	40.30	
			For Integral Polyester Fleece-Backing, Add	58.95	
07 53 23 00-0009	SQ		60 Mil, Single Ply Ethylene Propylene Diene Monomer (EPDM) Roofing Membrane, Fully Adhered.....	257.39	64.72
			Note: Includes adhesive and fasteners.		
			For Up To 10, Add	51.40	
			For >10 To 25, Add	38.56	
			For 15 Year Warranty, Add	3.00	
			For 20 Year Warranty, Add	6.00	
			For 25 Year Warranty, Add	8.00	
			For Low Slope Fire Rated, Add	4.22	
			For Reinforced Ethylene Propylene Diene Monomer (EPDM), Add	11.36	
			For Low VOC Adhesive, Add	47.33	
			For White Ethylene Propylene Diene Monomer (EPDM) Or Factory Applied White Coating, Add	40.30	
			For Integral Polyester Fleece-Backing, Add	65.15	
07 53 23 00-0010	SQ		90 Mil, Single Ply Ethylene Propylene Diene Monomer (EPDM) Roofing Membrane, Fully Adhered.....	331.12	66.67
			Note: Includes adhesive and fasteners.		
			For Up To 10, Add	56.26	
			For >10 To 25, Add	43.03	
			For 15 Year Warranty, Add	3.00	
			For 20 Year Warranty, Add	6.00	
			For 25 Year Warranty, Add	8.00	
			For Low Slope Fire Rated, Add	4.22	
			For Low VOC Adhesive, Add	47.33	
			For White Ethylene Propylene Diene Monomer (EPDM) Or Factory Applied White Coating, Add	40.30	
			For Integral Polyester Fleece-Backing, Add	71.90	
07 53 23 00-0011	SQ		45 Mil, Single Ply Ethylene Propylene Diene Monomer (EPDM) Roofing Membrane, Mechanically Fastened	171.43	47.06
			Note: Includes fasteners.		
			For Up To 10, Add	36.60	
			For >10 To 25, Add	27.26	
			For 15 Year Warranty, Add	3.00	
			For Low Slope Fire Rated, Add	4.22	
			For Reinforced Ethylene Propylene Diene Monomer (EPDM), Add	11.36	
			For White Ethylene Propylene Diene Monomer (EPDM) Or Factory Applied White Coating, Add	40.30	
07 53 23 00-0012	SQ		60 Mil, Single Ply Ethylene Propylene Diene Monomer (EPDM) Roofing Membrane, Mechanically Fastened	188.79	49.03
			Note: Includes fasteners.		
			For Up To 10, Add	38.63	
			For >10 To 25, Add	28.90	
			For 15 Year Warranty, Add	3.00	
			For 20 Year Warranty, Add	6.00	
			For 25 Year Warranty, Add	8.00	
			For Low Slope Fire Rated, Add	4.22	
			For Reinforced Ethylene Propylene Diene Monomer (EPDM), Add	11.36	
			For White Ethylene Propylene Diene Monomer (EPDM) Or Factory Applied White Coating, Add	40.30	
07 53 23 00-0013	SQ		90 Mil, Single Ply Ethylene Propylene Diene Monomer (EPDM) Roofing Membrane, Mechanically Fastened	262.52	50.98
			Note: Includes fasteners.		
			For Up To 10, Add	43.49	
			For >10 To 25, Add	33.37	
			For 15 Year Warranty, Add	3.00	
			For 20 Year Warranty, Add	6.00	
			For 25 Year Warranty, Add	8.00	
			For Low Slope Fire Rated, Add	4.22	
			For White Ethylene Propylene Diene Monomer (EPDM) Or Factory Applied White Coating, Add	40.30	
07 53 23 00-0014			Ethylene Propylene Diene Monomer (EPDM) Roofing Membrane Accessories <small>(07 53 23)</small>		
07 53 23 00-0015	SQ		Acrylic, Ethylene Propylene Diene Monomer (EPDM) Roofing Primer, Price Per Coat	40.40	
			For Up To 10, Add	6.69	
			For >10 To 25, Add	5.13	
07 53 23 00-0016	SQ		Acrylic Elastomeric, Surface Or Base Coating For Ethylene Propylene Diene Monomer (EPDM) Roofing, Price Per Coat	41.63	
			Note: 55% solids by volume.		
			For Up To 10, Add	6.75	
			For >10 To 25, Add	5.20	
07 53 23 00-0017	EA		Up To 4" Pipe Diameter, Prefabricated Ethylene Propylene Diene Monomer (EPDM) Pipe Cone/Boot.....	26.90	7.46
			Note: Includes attaching the boot to the membrane, caulking around the pipe and installing a draw band.		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 53 23 00-0018 EA >4" To 8" Pipe Diameter, Prefabricated Ethylene Propylene Diene Monomer (EPDM) Pipe Cone/Boot.....	36.65	7.46
Note: Includes attaching the boot to the membrane, caulking around the pipe and installing a draw band.		
07 53 23 00-0019 EA >8" To 13" Pipe Diameter, Prefabricated Ethylene Propylene Diene Monomer (EPDM) Pipe Cone/Boot.....	64.79	7.46
Note: Includes attaching the boot to the membrane, caulking around the pipe and installing a draw band.		
07 53 23 00-0020 EA 6" Diameter, Prefabricated Ethylene Propylene Diene Monomer (EPDM) Penetration Pocket	84.96	8.23
Note: Includes attaching the pocket to the membrane, sealing around the penetration and filling the pocket with pourable sealer.		
07 53 23 00-0021 LF 30" Wide, Ethylene Propylene Diene Monomer (EPDM) Walkway Protection Pad	20.22	4.55
Note: Includes factory installed peel and stick adhesive tape.		
07 53 23 00-0022 SF Ethylene Propylene Diene Monomer (EPDM) Membrane Base Flashing.....	4.00	1.18
07 53 23 00-0023 SF Ethylene Propylene Diene Monomer (EPDM) Membrane Curb Flashing	5.16	1.76

07 53 29 Polyisobutylene Roofing (07 53)

07 53 29 00-0001 Polyisobutylene (PIB) Roofing Membranes (07 53 29)

Note: Includes integral polyester fleece-backing. Includes splicing of seams using adhesive or seam tape.

07 53 29 00-0002 SQ 100 Mil, Single Ply PIB Roofing Membrane, Ballasted	281.03	35.29
Note: Includes ballast.		
For Up To 10, Add	35.07	
For >10 To 25, Add	28.07	
For 15 Year Warranty, Add	3.00	
For 20 Year Warranty, Add	6.00	
For 25 Year Warranty, Add	8.00	
07 53 29 00-0003 SQ 100 Mil, Single Ply PIB Roofing Membrane, Partially Adhered (40%)	320.53	50.98
Note: Includes adhesive.		
For Up To 10, Add	46.39	
For >10 To 25, Add	36.27	
For 15 Year Warranty, Add	3.00	
For 20 Year Warranty, Add	6.00	
For 25 Year Warranty, Add	8.00	
07 53 29 00-0004 SQ 100 Mil, Single Ply PIB Roofing Membrane, Fully Adhered	388.30	66.67
Note: Includes adhesive.		
For Up To 10, Add	59.12	
For >10 To 25, Add	45.89	
For 15 Year Warranty, Add	3.00	
For 20 Year Warranty, Add	6.00	
For 25 Year Warranty, Add	8.00	

07 54 Thermoplastic Membrane Roofing (07 50)

Note: Includes 10 year warranty. All warranties are no dollar limit to include material, equipment and labor. Excludes concrete primer, insulation, slip sheets, wood nailers, cant strips, coping removal and reinstallation, gravel stop, walkway pads and drainage devices. See CSI section 07 26 13 00-0000 for wood deck building paper.

07 54 19 Polyvinyl-Chloride Roofing (07 54)

07 54 19 00-0001 Reinforced Polyvinyl Chloride (RPVC) Roofing Membranes (07 54 19)

Note: Includes polyester fabric reinforcement and hot air welding of seams. RPVC membranes meet or exceed all of the requirements of ASTM D4434 Type III.

07 54 19 00-0002 SQ 48 Mil, Single Ply Reinforced Polyvinyl Chloride (RPVC) Roofing Membrane, Ballasted	182.22	31.38
Note: Includes ballast.		
For Up To 10, Add	27.80	
For >10 To 25, Add	21.57	
For 15 Year Warranty, Add	3.00	
For Colors, Add	26.00	
For Integral Polyester Fleece-Backing, Add	40.70	
07 54 19 00-0003 SQ 60 Mil, Single Ply Reinforced Polyvinyl Chloride (RPVC) Roofing Membrane, Ballasted	207.42	33.34
Note: Includes ballast.		
For Up To 10, Add	30.22	
For >10 To 25, Add	23.61	
For 15 Year Warranty, Add	3.00	
For 20 Year Warranty, Add	6.00	
For 25 Year Warranty, Add	8.00	
For Colors, Add	26.00	
For Integral Polyester Fleece-Backing, Add	40.70	
07 54 19 00-0004 SQ 72 Mil, Single Ply Reinforced Polyvinyl Chloride (RPVC) Roofing Membrane, Ballasted	236.59	34.32
Note: Includes ballast.		
For Up To 10, Add	32.27	
For >10 To 25, Add	25.45	
For 15 Year Warranty, Add	3.00	
For 20 Year Warranty, Add	6.00	
For 25 Year Warranty, Add	8.00	
For Colors, Add	26.00	
For Integral Polyester Fleece-Backing, Add	40.70	
07 54 19 00-0005 SQ 80 Mil, Single Ply Reinforced Polyvinyl Chloride (RPVC) Roofing Membrane, Ballasted	250.37	35.29
Note: Includes ballast.		
For Up To 10, Add	33.54	
For >10 To 25, Add	26.53	
For 15 Year Warranty, Add	3.00	
For 20 Year Warranty, Add	6.00	
For 25 Year Warranty, Add	8.00	
For Colors, Add	26.00	
For Integral Polyester Fleece-Backing, Add	40.70	

07 Thermal And Moisture Protection**07 50 Membrane Roofing****07 54 Thermoplastic Membrane Roofing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 54 19 00-0006	SQ		48 Mil, Single Ply Reinforced Polyvinyl Chloride (RPVC) Roofing Membrane, Fully Adhered.....	257.01	62.75
			Note: Includes adhesive.		
			For Up To 10, Add	50.22	
			For >10 To 25, Add	37.76	
			For 15 Year Warranty, Add	3.00	
			For Colors, Add	26.00	
			For Low VOC Adhesive, Add	33.61	
			For Integral Polyester Fleece-Backing, Add	40.70	
07 54 19 00-0007	SQ		60 Mil, Single Ply Reinforced Polyvinyl Chloride (RPVC) Roofing Membrane, Fully Adhered.....	282.22	64.72
			Note: Includes adhesive.		
			For Up To 10, Add	52.65	
			For >10 To 25, Add	39.80	
			For 15 Year Warranty, Add	3.00	
			For 20 Year Warranty, Add	6.00	
			For 25 Year Warranty, Add	8.00	
			For Colors, Add	26.00	
			For Low VOC Adhesive, Add	33.61	
			For Integral Polyester Fleece-Backing, Add	40.70	
07 54 19 00-0008	SQ		72 Mil, Single Ply Reinforced Polyvinyl Chloride (RPVC) Roofing Membrane, Fully Adhered.....	311.38	65.69
			Note: Includes adhesive.		
			For Up To 10, Add	54.69	
			For >10 To 25, Add	41.65	
			For 15 Year Warranty, Add	3.00	
			For 20 Year Warranty, Add	6.00	
			For 25 Year Warranty, Add	8.00	
			For Colors, Add	26.00	
			For Low VOC Adhesive, Add	33.61	
			For Integral Polyester Fleece-Backing, Add	40.70	
07 54 19 00-0009	SQ		80 Mil, Single Ply Reinforced Polyvinyl Chloride (RPVC) Roofing Membrane, Fully Adhered.....	325.17	66.67
			Note: Includes adhesive.		
			For Up To 10, Add	55.96	
			For >10 To 25, Add	42.73	
			For 15 Year Warranty, Add	3.00	
			For 20 Year Warranty, Add	6.00	
			For 25 Year Warranty, Add	8.00	
			For Colors, Add	26.00	
			For Low VOC Adhesive, Add	33.61	
			For Integral Polyester Fleece-Backing, Add	40.70	
07 54 19 00-0010	SQ		48 Mil, Single Ply Reinforced Polyvinyl Chloride (RPVC) Roofing Membrane, Mechanically Fastened.....	201.58	47.06
			Note: Includes fasteners.		
			For Up To 10, Add	38.11	
			For >10 To 25, Add	28.76	
			For 15 Year Warranty, Add	3.00	
			For Colors, Add	26.00	
			For Integral Polyester Fleece-Backing, Add	40.70	
07 54 19 00-0011	SQ		60 Mil, Single Ply Reinforced Polyvinyl Chloride (RPVC) Roofing Membrane, Mechanically Fastened.....	226.79	49.03
			Note: Includes fasteners.		
			For Up To 10, Add	40.53	
			For >10 To 25, Add	30.80	
			For 15 Year Warranty, Add	3.00	
			For 20 Year Warranty, Add	6.00	
			For 25 Year Warranty, Add	8.00	
			For Colors, Add	26.00	
			For Integral Polyester Fleece-Backing, Add	40.70	
07 54 19 00-0012	SQ		72 Mil, Single Ply Reinforced Polyvinyl Chloride (RPVC) Roofing Membrane, Mechanically Fastened.....	255.95	50.01
			Note: Includes fasteners.		
			For Up To 10, Add	42.58	
			For >10 To 25, Add	32.65	
			For 15 Year Warranty, Add	3.00	
			For 20 Year Warranty, Add	6.00	
			For 25 Year Warranty, Add	8.00	
			For Colors, Add	26.00	
			For Integral Polyester Fleece-Backing, Add	40.70	
07 54 19 00-0013	SQ		80 Mil, Single Ply Reinforced Polyvinyl Chloride (RPVC) Roofing Membrane, Mechanically Fastened.....	269.74	50.98
			Note: Includes fasteners.		
			For Up To 10, Add	43.85	
			For >10 To 25, Add	33.73	
			For 15 Year Warranty, Add	3.00	
			For 20 Year Warranty, Add	6.00	
			For 25 Year Warranty, Add	8.00	
			For Colors, Add	26.00	
			For Integral Polyester Fleece-Backing, Add	40.70	
07 54 19 00-0014			Reinforced Polyvinyl Chloride (RPVC) Roofing Membrane Accessories (07 54 19)		
07 54 19 00-0015	SQ		Acrylic, Polyvinyl Chloride (PVC) Roofing Cleaner/Primer, Price Per Coat.....	40.40	
			For Up To 10, Add	6.69	
			For >10 To 25, Add	5.13	
07 54 19 00-0016	SQ		Acrylic Elastomeric, Surface Or Base Coating For Polyvinyl Chloride (PVC) Roofing, Price Per Coat.....	41.63	
			Note: 55% solids by volume.		
			For Up To 10, Add	6.75	
			For >10 To 25, Add	5.20	
07 54 19 00-0017	EA		Up To 3" Pipe Diameter, Prefabricated Polyvinyl Chloride (PVC) Pipe Cone/Boot.....	41.29	6.67
			Note: Includes attaching the boot to the membrane, caulking around the pipe and installing a draw band.		
07 54 19 00-0018	EA		>3" To 7" Pipe Diameter, Prefabricated Polyvinyl Chloride (PVC) Pipe Cone/Boot.....	56.87	7.46
			Note: Includes attaching the boot to the membrane, caulking around the pipe and installing a draw band.		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 54 19 00-0019 EA >7" To 12" Pipe Diameter, Prefabricated Polyvinyl Chloride (PVC) Pipe Cone/Boot.....	71.99	8.23
Note: Includes attaching the boot to the membrane, caulking around the pipe and installing a draw band.		
07 54 19 00-0020 EA 6" Diameter, Prefabricated Polyvinyl Chloride (PVC) Penetration Pocket	90.30	8.23
Note: Includes attaching the pocket to the membrane, sealing around the penetration and filling the pocket with pourable sealer.		
07 54 19 00-0021 LF 36" Wide, Polyvinyl Chloride (PVC) Walkway Protection Pad	17.70	4.55
07 54 19 00-0022 SF Polyvinyl Chloride (PVC) Membrane Base Flashing.....	4.64	1.18
07 54 19 00-0023 SF Polyvinyl Chloride (PVC) Membrane Curb Flashing	5.80	1.76
07 54 19 00-0024 SF Polyvinyl Chloride (PVC) Clad Edge Metal Or Base Flashing.....	6.05	1.18
Note: 20 Mil polyvinyl chloride (PVC) membrane laminated to 24 gauge galvanized steel.		
07 54 23 Thermoplastic-Polyolefin Roofing (07 54)		
07 54 23 00-0001 Thermoplastic Polyolefin (TPO) Roofing Membranes (07 54 23)		
Note: Includes polyester fabric reinforcement and hot air welding of seams.		
07 54 23 00-0002 SQ 45 Mil, Single Ply TPO Roofing Membrane, Fully Adhered	232.80	62.75
Note: Includes adhesive.		
For Up To 10, Add		49.01
For >10 To 25, Add		36.55
For 15 Year Warranty, Add		3.00
For Low VOC Adhesive, Add		47.33
For Integral Polyester Fleece-Backing, Add		33.25
07 54 23 00-0003 SQ 60 Mil, Single Ply TPO Roofing Membrane, Fully Adhered	247.32	64.72
Note: Includes adhesive.		
For Up To 10, Add		50.90
For >10 To 25, Add		38.06
For 15 Year Warranty, Add		3.00
For 20 Year Warranty, Add		6.00
For 25 Year Warranty, Add		8.00
For Low VOC Adhesive, Add		47.33
For Integral Polyester Fleece-Backing, Add		33.25
07 54 23 00-0004 SQ 80 Mil, Single Ply TPO Roofing Membrane, Fully Adhered	305.69	66.67
Note: Includes adhesive.		
For Up To 10, Add		54.99
For >10 To 25, Add		41.75
For 15 Year Warranty, Add		3.00
For 20 Year Warranty, Add		6.00
For 25 Year Warranty, Add		8.00
For Low VOC Adhesive, Add		47.33
For Integral Polyester Fleece-Backing, Add		33.25
07 54 23 00-0005 SQ 45 Mil, Single Ply TPO Roofing Membrane, Mechanically Fastened	160.20	47.06
Note: Includes fasteners.		
For Up To 10, Add		36.04
For >10 To 25, Add		26.69
For 15 Year Warranty, Add		3.00
For Integral Polyester Fleece-Backing, Add		33.25
07 54 23 00-0006 SQ 60 Mil, Single Ply TPO Roofing Membrane, Mechanically Fastened	174.71	49.03
Note: Includes fasteners.		
For Up To 10, Add		37.93
For >10 To 25, Add		28.20
For 15 Year Warranty, Add		3.00
For 20 Year Warranty, Add		6.00
For 25 Year Warranty, Add		8.00
For Integral Polyester Fleece-Backing, Add		33.25
07 54 23 00-0007 SQ 80 Mil, Single Ply TPO Roofing Membrane, Mechanically Fastened	233.08	50.98
Note: Includes fasteners.		
For Up To 10, Add		42.02
For >10 To 25, Add		31.90
For 15 Year Warranty, Add		3.00
For 20 Year Warranty, Add		6.00
For 25 Year Warranty, Add		8.00
For Integral Polyester Fleece-Backing, Add		33.25
07 54 23 00-0008 Thermoplastic Polyolefin (TPO) Roofing Membrane Accessories (07 54 23)		
07 54 23 00-0009 SQ Acrylic, TPO Roofing Primer, Price Per Coat.....	47.19	
For Up To 10, Add		7.03
For >10 To 25, Add		5.47
07 54 23 00-0010 SQ Acrylic Elastomeric, Surface Or Base Coating For TPO Roofing, Price Per Coat.....	41.63	
Note: 55% solids by volume.		
For Up To 10, Add		6.75
For >10 To 25, Add		5.20
For Tan Or Gray Color, Add		1.30
07 54 23 00-0011 EA Up To 3" Pipe Diameter, Prefabricated TPO Pipe Cone/Boot	36.10	6.67
Note: Includes attaching the boot to the membrane, caulking around the pipe and installing a draw band.		
07 54 23 00-0012 EA >3" To 8" Pipe Diameter, Prefabricated TPO Pipe Cone/Boot.....	39.12	7.46
Note: Includes attaching the boot to the membrane, caulking around the pipe and installing a draw band.		
07 54 23 00-0013 EA 6" Diameter, Prefabricated TPO Penetration Pocket.....	68.69	8.23
Note: Includes attaching the pocket to the membrane, sealing around the penetration and filling the pocket with pourable sealer.		
07 54 23 00-0014 LF 30" Wide, TPO Walkway Protection Pad	17.51	4.55
07 54 23 00-0015 SF TPO Membrane Base Flashing.....	4.81	1.18
07 54 23 00-0016 SF TPO Curb Flashing	4.57	1.18
For Tan Or Gray Color, Add		0.05

07 Thermal And Moisture Protection**07 50 Membrane Roofing****07 54 Thermoplastic Membrane Roofing**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 54 23 00-0017 SF TPO Clad Edge Metal Or Base Flashing .....6.77 Note: 20 Mil TPO membrane laminated to 24 gauge galvanized steel.	6.77	1.18
07 56 Fluid-Applied Roofing (07 50)		
07 56 00 00-0001 Neoprene Hypalon Liquid Roofing, 5 Coats (07 56)		
07 56 00 00-0002 SQ 60 Mil 5 Coat Spray-on Neoprene Hypalon Liquid Roofing.....807.47 For Each Additional Coat, Add 121.12	807.47	102.21
07 56 00 00-0003 Vinyl Spray Liquid Roofing (07 56)		
07 56 00 00-0004 SQ 2 Mil Vinyl Liquid Roofing.....737.68	737.68	107.71
07 56 00 00-0005 SQ 4 Mil Vinyl Liquid Roofing.....825.27	825.27	120.29
07 56 00 00-0006 Silicone Elastomeric Liquid Roofing (07 56)		
07 56 00 00-0007 SQ 65% Solids, Silicone Elastomeric Spray-on Roofing, 3 Coats, 16 Mil Per Coat .....247.18	247.18	61.72
07 56 00 00-0008 SQ 65% Solids, Silicone Elastomeric Rolled-on Roofing, 3 Coats, 16 Mil Per Coat .....307.00	307.00	61.72
07 56 00 00-0009 SQ 65% Solids, Silicone Elastomeric Brushed-on Roofing, 3 Coats, 16 Mil Per Coat .....351.98	351.98	61.72
07 56 00 00-0010 Rubberized Acrylic Roof Coating, Sprayed On (07 56)		
Note: As manufactured by Tru-Co, Inc.		
07 56 00 00-0011 Rubberized Acrylic Roof Coating, Sprayed On Assemblies (07 56 00 00-0010)		
07 56 00 00-0012 SQ Elastomeric Installation Over Urethane Foam .....567.75	567.75	
07 56 00 00-0013 SQ Elastomeric Installation Over Decks .....582.98	582.98	
07 56 00 00-0014 SQ Elastomeric Installation Over Exterior, Waterproofing.....237.80	237.80	
07 56 00 00-0015 SQ Installation Over Existing Tar (Asphalt) And Gravel Roof .....735.95	735.95	
07 56 00 00-0016 SQ Installation Over New Construction, Waterproofing .....417.97	417.97	
07 56 00 00-0017 SQ Installation Over Mobile Home .....274.60	274.60	
07 56 00 00-0018 SQ Installation Over Corrugated Metal Roofs .....323.38	323.38	
07 56 00 00-0019 SQ Installation Over Granulate Mineral Surface, BUR Cap Sheet (Semi-Smooth) Surface.....616.53	616.53	
07 56 00 00-0020 SQ 4" Acrylic Gel With Fabric (Apply At Edges).....2.16	2.16	
07 56 00 00-0021 SQ 6" Acrylic Gel With Fabric (Apply At Edges).....3.03	3.03	
07 56 00 00-0022 Polyurethane Roof Coating, Sprayed On Assemblies (07 56)		
Note: Includes powerwash, primer, base coat, polyester reinforcement, top coat and finish coat.		
07 56 00 00-0023 SF Up To 50 SF White (High-Albedo) Polyurethane Coating.....9.20	9.20	
07 56 00 00-0024 SF >50 To 100 SF White (High-Albedo) Polyurethane Coating.....8.89	8.89	
07 56 00 00-0025 SF >100 To 500 SF White (High-Albedo) Polyurethane Coating.....8.58	8.58	
07 56 00 00-0026 SEA >500 To 1,000 SF White (High-Albedo) Polyurethane Coating.....8.19	8.19	
07 56 00 00-0027 Elastomeric Asphalt/Urethane Liquid Roofing Membrane (07 56)		
07 56 00 00-0028 SQ 90 Mil, Elastomeric Asphalt/Urethane Liquid Roofing Membrane .....785.96 Note: Includes applying a 30 mil base coat, rolling in a stichbonded polyester reinforcing scrim and applying a 60 mil second coat.	785.96	61.72
07 56 00 00-0029 Urethane Liquid Roofing Membrane (07 56)		
Note: Garland White Knight Energy Star single component urethane restoration system. 10 year warranty. Used for restoration of membrane, built up, metal and modified roofing systems.		
07 56 00 00-0030 SQ Ulti-Mat™ 38" Non-Woven Fiberglass Reinforcing Membrane For White-Knight Systems.....43.68	43.68	
07 56 00 00-0031 LF Ulti-Mat™ 6" Non-Woven Fiberglass Reinforcing Membrane For White-Knight Systems.....3.44	3.44	
07 56 00 00-0032 SQ White-Knight® Premium Multi-Purpose Urethane Restoration Reflective Coating For Metal, Membrane, BUR, Single-Ply (2 GAL/SQ).....202.50	202.50	
07 56 00 00-0033 SQ White-Knight® Metal Primer One Component Metal Primer For Placement Under The White-Knight System (0.25 GAL/SQ).....43.80	43.80	
07 56 00 00-0034 SQ White-Knight® Plus High Strength, Multi-Purpose Urethane Restoration Coating For Metal, Membrane, BUR, Single-Ply (2 GAL/SQ).....239.70	239.70	
07 56 00 00-0035 SQ White-Knight® Plus Base Coat High Strength, Multi-Purpose Urethane Restoration Coating For Metal, Membrane, BUR, Single-Ply (0.5 GAL/SQ).....67.22	67.22	
07 56 00 00-0036 SQ White-Knight® WC Multi-Purpose, VOC Compliant, Urethane Restoration Coating For Metal, Membrane, BUR, Single-Ply (2 GAL/SQ).....252.50	252.50	
07 56 00 00-0037 SQ White-Star Premium, White Polyurea Restoration Adhesive For Mineral And Smooth Modified And BUR (2 GAL/SQ).....245.30	245.30	
07 57 Coated Foamed Roofing (07 50)		
07 57 13 Sprayed Polyurethane Foam Roofing (07 57)		
Note: Includes power washing. Excludes ballast removal and priming metal surfaces. Excludes walkways.		
07 57 13 00-0001 Sprayed Polyurethane Foam Roofing Systems (07 57 13)		
07 57 13 00-0002 Sprayed Polyurethane Foam Roofing Systems With Acrylic Elastomeric Coating (07 57 13 00-0001)		



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 57 13 00-0003				Sprayed Polyurethane Foam Roofing System With 28 Mil Acrylic Elastomeric Coating <small>(07 57 13 00-0002)</small> Note: Includes UL 790 fire rated 2.8 LB density polyurethane foam roofing system with acrylic elastomeric coating. Includes 5 year warranty.		
07 57 13 00-0004	SQ			1" Thick, R6.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 28 Mil Acrylic Elastomeric Coating	241.20	35.64
07 57 13 00-0005	SQ			2" Thick, R13.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 28 Mil Acrylic Elastomeric Coating	338.11	40.73
07 57 13 00-0006	SQ			3" Thick, R19.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 28 Mil Acrylic Elastomeric Coating	444.69	45.82
07 57 13 00-0007	SQ			4" Thick, R26.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 28 Mil Acrylic Elastomeric Coating	531.94	50.92
07 57 13 00-0008	SQ			5" Thick, R32.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 28 Mil Acrylic Elastomeric Coating	628.85	56.01
07 57 13 00-0009	SQ			6" Thick, R39.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 28 Mil Acrylic Elastomeric Coating	725.76	61.10
07 57 13 00-0010				Sprayed Polyurethane Foam Roofing System With 32 Mil Acrylic Elastomeric Coating <small>(07 57 13 00-0002)</small> Note: Includes UL 790 fire rated 2.8 LB density polyurethane foam roofing system with acrylic elastomeric coating. Includes 10 year warranty.		
07 57 13 00-0011	SQ			1" Thick, R6.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 32 Mil Acrylic Elastomeric Coating	248.71	35.64
07 57 13 00-0012	SQ			2" Thick, R13.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 32 Mil Acrylic Elastomeric Coating	345.63	40.73
07 57 13 00-0013	SQ			3" Thick, R19.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 32 Mil Acrylic Elastomeric Coating	442.54	45.82
07 57 13 00-0014	SQ			4" Thick, R26.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 32 Mil Acrylic Elastomeric Coating	539.46	50.92
07 57 13 00-0015	SQ			5" Thick, R32.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 32 Mil Acrylic Elastomeric Coating	636.37	56.01
07 57 13 00-0016	SQ			6" Thick, R39.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 32 Mil Acrylic Elastomeric Coating	733.28	61.10
07 57 13 00-0017				Sprayed Polyurethane Foam Roofing System With 40 Mil Acrylic Elastomeric Coating <small>(07 57 13 00-0002)</small> Note: Includes UL 790 fire rated 2.8 LB density polyurethane foam roofing system with acrylic elastomeric coating. Includes 15 year warranty.		
07 57 13 00-0018	SQ			1" Thick, R6.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 40 Mil Acrylic Elastomeric Coating	266.98	35.64
07 57 13 00-0019	SQ			2" Thick, R13.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 40 Mil Acrylic Elastomeric Coating	360.67	40.73
07 57 13 00-0020	SQ			3" Thick, R19.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 40 Mil Acrylic Elastomeric Coating	457.58	45.82
07 57 13 00-0021	SQ			4" Thick, R26.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 40 Mil Acrylic Elastomeric Coating	594.68	50.92
07 57 13 00-0022	SQ			5" Thick, R32.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 40 Mil Acrylic Elastomeric Coating	699.75	56.01
07 57 13 00-0023	SQ			6" Thick, R39.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 40 Mil Acrylic Elastomeric Coating	804.82	61.10
07 57 13 00-0024				Sprayed Polyurethane Foam Roofing Systems With Silicone Elastomeric Coating <small>(07 57 13 00-0001)</small>		
07 57 13 00-0025				Sprayed Polyurethane Foam Roofing System With 20 Mil Silicone Elastomeric Coating <small>(07 57 13 00-0024)</small> Note: Includes UL 790 fire rated 2.8 LB density polyurethane foam roofing system with 65% solids silicone elastomeric coating. Includes 5 year warranty.		
07 57 13 00-0026	SQ			1" Thick, R6.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 20 Mil Silicone Elastomeric Coating	272.35	35.64
07 57 13 00-0027	SQ			2" Thick, R13.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 20 Mil Silicone Elastomeric Coating	377.43	40.73
07 57 13 00-0028	SQ			3" Thick, R19.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 20 Mil Silicone Elastomeric Coating	482.50	45.82
07 57 13 00-0029	SQ			4" Thick, R26.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 20 Mil Silicone Elastomeric Coating	587.59	50.92
07 57 13 00-0030	SQ			5" Thick, R32.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 20 Mil Silicone Elastomeric Coating	692.66	56.01
07 57 13 00-0031	SQ			6" Thick, R39.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 20 Mil Silicone Elastomeric Coating	797.73	61.10
07 57 13 00-0032				Sprayed Polyurethane Foam Roofing System With 22 Mil Silicone Elastomeric Coating <small>(07 57 13 00-0024)</small> Note: Includes UL 790 fire rated 2.8 LB density polyurethane foam roofing system with 65% solids silicone elastomeric coating. Includes 10 year warranty.		
07 57 13 00-0033	SQ			1" Thick, R6.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 22 Mil Silicone Elastomeric Coating	282.98	35.64

07 Thermal And Moisture Protection**07 50 Membrane Roofing****07 57 Coated Foamed Roofing**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 57 13 00-0034 SQ 2" Thick, R13.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 22 Mil Silicone Elastomeric Coating.....	388.06	40.73
07 57 13 00-0035 SQ 3" Thick, R19.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 22 Mil Silicone Elastomeric Coating.....	493.14	45.82
07 57 13 00-0036 SQ 4" Thick, R26.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 22 Mil Silicone Elastomeric Coating.....	598.22	50.92
07 57 13 00-0037 SQ 5" Thick, R32.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 22 Mil Silicone Elastomeric Coating.....	703.29	56.01
07 57 13 00-0038 SQ 6" Thick, R39.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 22 Mil Silicone Elastomeric Coating.....	808.37	61.10
07 57 13 00-0039 Sprayed Polyurethane Foam Roofing System With 25 Mil Silicone Elastomeric Coating (07 57 13 00-0024) Note: Includes UL 790 fire rated 2.8 LB density polyurethane foam roofing system with 65% solids silicone elastomeric coating. Includes 15 year warranty.		
07 57 13 00-0040 SQ 1" Thick, R6.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 25 Mil Silicone Elastomeric Coating.....	291.25	35.64
07 57 13 00-0041 SQ 2" Thick, R13.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 25 Mil Silicone Elastomeric Coating.....	396.34	40.73
07 57 13 00-0042 SQ 3" Thick, R19.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 25 Mil Silicone Elastomeric Coating.....	501.41	45.82
07 57 13 00-0043 SQ 4" Thick, R26.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 25 Mil Silicone Elastomeric Coating.....	606.49	50.92
07 57 13 00-0044 SQ 5" Thick, R32.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 25 Mil Silicone Elastomeric Coating.....	711.57	56.01
07 57 13 00-0045 SQ 6" Thick, R39.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 25 Mil Silicone Elastomeric Coating.....	816.64	61.10
07 58 Roll Roofing (07 50)		
07 58 00 00-0001 Prepared Roll Roofing (07 58) Note: Fastened with roofing nails and roofing cement. Includes fasteners and adhesive. Excludes warranty. See CSI section 07 51 13 00-0033 for underlayment.		
07 58 00 00-0002 SQ Granule Surfaced, 90 LB, Asphalt Saturated Organic Felt Roll Roofing.....	121.45	22.91
07 59 Membrane Roofing Accessories (07 50)		
07 59 00 00-0001 Membrane Roofing Accessories (07 59)		
07 59 00 00-0002 LF Roofing Membrane Termination Bar..... Note: Includes fasteners and caulking.	3.13	1.10
07 60 Flashing And Sheet Metal (07) Note: Includes placement of materials on roof up to 2-1/2 stories.		
07 62 Sheet Metal Flashing And Trim (07 60)		
07 62 00 00-0001 Lead Flashing And Trim (07 62)		
07 62 00 00-0002 SF 2.5 LB/SF Sheet Lead Flashing.....	18.85	5.18
07 62 00 00-0003 SF 4 LB/SF Sheet Lead Flashing.....	23.66	5.18
07 62 00 00-0004 Copper Flashing And Trim (07 62)		
07 62 00 00-0005 Copper Flashing And Trim (07 62 00 00-0004)		
07 62 00 00-0006 SF 16 Ounce, 0.021" Thick, Copper Flashing And Trim..... For >500 To 2,000, Deduct -2.54 For >2,000, Deduct -2.93 For Copper Valley For Steep Slope Roofing, Add 2.00 For Wrap Around Window Panning, Add 10.01	17.97	5.06
07 62 00 00-0007 SF 20 Ounce, 0.027" Thick, Copper Flashing And Trim..... For >500 To 2,000, Deduct -2.63 For >2,000, Deduct -3.04 For Copper Valley For Steep Slope Roofing, Add 2.09 For Wrap Around Window Panning, Add 10.47	18.63	5.18
07 62 00 00-0008 SF 24 Ounce, 0.032" Thick, Copper Flashing And Trim..... For >500 To 2,000, Deduct -2.92 For >2,000, Deduct -3.41 For Copper Valley For Steep Slope Roofing, Add 2.19 For Wrap Around Window Panning, Add 10.96	20.75	5.53
07 62 00 00-0009 SF 32 Ounce, 0.043" Thick, Copper Flashing And Trim..... For >500 To 2,000, Deduct -3.42 For >2,000, Deduct -4.08 For Copper Valley For Steep Slope Roofing, Add 2.30 For Wrap Around Window Panning, Add 11.51	24.56	5.76
07 62 00 00-0010 Stainless Steel Flashing And Trim (07 62)		
07 62 00 00-0011 Stainless Steel Flashing And Trim (07 62 00 00-0010)		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 62 00 00-0012 SF 32 Gauge, 0.010" Thick, Stainless Steel Flashing And Trim..... <i>For Wrap Around Window Panning, Add</i> <i>For Mechanically Keyed Flashing, Add</i>	9.57 7.10 0.99	2.76
07 62 00 00-0013 SF 28 Gauge, 0.015" Thick, Stainless Steel Flashing And Trim..... <i>For Wrap Around Window Panning, Add</i> <i>For Mechanically Keyed Flashing, Add</i>	10.80 7.10 1.48	3.23
07 62 00 00-0014 SF 26 Gauge, 0.018" Thick, Stainless Steel Flashing And Trim..... <i>For Wrap Around Window Panning, Add</i> <i>For Mechanically Keyed Flashing, Add</i>	12.20 7.58 1.85	3.80
07 62 00 00-0015 SF 24 Gauge, 0.025" Thick, Stainless Steel Flashing And Trim..... <i>For Wrap Around Window Panning, Add</i> <i>For Mechanically Keyed Flashing, Add</i>	14.16 8.00 2.46	4.03
07 62 00 00-0016 Stainless Steel Drip Edge <small>(07 62 00 00-0010)</small> Note: Girth (stretch-out) equals the total (flattened) width of the drip edge.		
07 62 00 00-0017 26 Gauge, Stainless Steel Drip Edge <small>(07 62 00 00-0016)</small>		
07 62 00 00-0018 LF Up To 5" Girth, 26 Gauge, Stainless Steel Drip Edge.....	4.45	0.76
07 62 00 00-0019 LF >5" To 7" Girth, 26 Gauge, Stainless Steel Drip Edge.....	5.42	0.76
07 62 00 00-0020 LF >7" To 9" Girth, 26 Gauge, Stainless Steel Drip Edge.....	6.15	0.76
07 62 00 00-0021 LF >9" To 12" Girth, 26 Gauge, Stainless Steel Drip Edge.....	7.36	0.76
07 62 00 00-0022 LF >12" To 15" Girth, 26 Gauge, Stainless Steel Drip Edge.....	9.31	0.76
07 62 00 00-0023 24 Gauge, Stainless Steel Drip Edge <small>(07 62 00 00-0016)</small>		
07 62 00 00-0024 LF Up To 5" Girth, 24 Gauge, Stainless Steel Drip Edge.....	5.36	0.76
07 62 00 00-0025 LF >5" To 7" Girth, 24 Gauge, Stainless Steel Drip Edge.....	6.64	0.76
07 62 00 00-0026 LF >7" To 9" Girth, 24 Gauge, Stainless Steel Drip Edge.....	7.61	0.76
07 62 00 00-0027 LF >9" To 12" Girth, 24 Gauge, Stainless Steel Drip Edge.....	9.20	0.76
07 62 00 00-0028 LF >12" To 15" Girth, 24 Gauge, Stainless Steel Drip Edge.....	11.75	0.76
07 62 00 00-0029 22 Gauge, Stainless Steel Drip Edge <small>(07 62 00 00-0016)</small>		
07 62 00 00-0030 LF Up To 5" Girth, 22 Gauge, Stainless Steel Drip Edge.....	6.44	0.76
07 62 00 00-0031 LF >5" To 7" Girth, 22 Gauge, Stainless Steel Drip Edge.....	8.08	0.76
07 62 00 00-0032 LF >7" To 9" Girth, 22 Gauge, Stainless Steel Drip Edge.....	9.31	0.76
07 62 00 00-0033 LF >9" To 12" Girth, 22 Gauge, Stainless Steel Drip Edge.....	11.36	0.76
07 62 00 00-0034 LF >12" To 15" Girth, 22 Gauge, Stainless Steel Drip Edge.....	14.63	0.76
07 62 00 00-0035 Aluminum Flashing And Trim <small>(07 62)</small>		
07 62 00 00-0036 Aluminum Flashing And Trim <small>(07 62 00 00-0035)</small>		
07 62 00 00-0037 SF 0.013" Thick, Mill Finish, Aluminum Flashing And Trim..... <i>For Baked Aluminum Colors, Add</i> <i>For Wrap Around Window Panning, Add</i>	10.05 0.21 7.94	3.57
07 62 00 00-0038 SF 0.016" Thick, Mill Finish, Aluminum Flashing And Trim..... <i>For Baked Aluminum Colors, Add</i> <i>For Wrap Around Window Panning, Add</i>	10.51 0.26 7.94	3.57
07 62 00 00-0039 SF 0.019" Thick, Mill Finish, Aluminum Flashing And Trim..... <i>For Baked Aluminum Colors, Add</i> <i>For Wrap Around Window Panning, Add</i>	10.87 0.29 7.94	3.57
07 62 00 00-0040 SF 0.024" Thick, Mill Finish, Aluminum Flashing And Trim..... <i>For Baked Aluminum Colors, Add</i> <i>For Wrap Around Window Panning, Add</i>	11.40 0.35 7.94	3.57
07 62 00 00-0041 SF 0.032" Thick, Mill Finish, Aluminum Flashing And Trim..... <i>For Baked Aluminum Colors, Add</i> <i>For Wrap Around Window Panning, Add</i>	12.14 0.42 7.94	3.57
07 62 00 00-0042 SF 0.040" Thick, Mill Finish, Aluminum Flashing And Trim..... <i>For Baked Aluminum Colors, Add</i> <i>For Wrap Around Window Panning, Add</i>	12.59 0.47 7.94	3.57
07 62 00 00-0043 SF 0.050" Thick, Mill Finish, Aluminum Flashing And Trim..... <i>For Baked Aluminum Colors, Add</i> <i>For Wrap Around Window Panning, Add</i>	12.96 0.50 7.94	3.57
07 62 00 00-0044 Aluminum Drip Edge <small>(07 62 00 00-0035)</small> Note: Girth (stretch-out) equals the total (flattened) width of the drip edge.		
07 62 00 00-0045 KYNAR 500® Finish, Aluminum Drip Edge <small>(07 62 00 00-0044)</small>		
07 62 00 00-0046 0.016" Thick, KYNAR 500® Finish, Aluminum Drip Edge <small>(07 62 00 00-0045)</small>		
07 62 00 00-0047 LF Up To 5" Girth, 0.016" Thick, KYNAR 500® Finish, Aluminum Drip Edge.....	3.27	0.76
07 62 00 00-0048 LF >5" To 7" Girth, 0.016" Thick, KYNAR 500® Finish, Aluminum Drip Edge.....	3.90	0.76
07 62 00 00-0049 LF >7" To 9" Girth, 0.016" Thick, KYNAR 500® Finish, Aluminum Drip Edge.....	4.27	0.76
07 62 00 00-0050 LF >9" To 12" Girth, 0.016" Thick, KYNAR 500® Finish, Aluminum Drip Edge.....	5.01	0.76
07 62 00 00-0051 LF >12" To 15" Girth, 0.016" Thick, KYNAR 500® Finish, Aluminum Drip Edge.....	6.33	0.76
07 62 00 00-0052 0.019" Thick, KYNAR 500® Finish, Aluminum Drip Edge <small>(07 62 00 00-0045)</small>		
07 62 00 00-0053 LF Up To 5" Girth, 0.019" Thick, KYNAR 500® Finish, Aluminum Drip Edge.....	3.48	0.76
07 62 00 00-0054 LF >5" To 7" Girth, 0.019" Thick, KYNAR 500® Finish, Aluminum Drip Edge.....	4.13	0.76

07 Thermal And Moisture Protection**07 60 Flashing And Sheet Metal****07 62 Sheet Metal Flashing And Trim**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 62 00 00-0055	LF		>7" To 9" Girth, 0.019" Thick, KYNAR 500® Finish, Aluminum Drip Edge	4.62	0.76
07 62 00 00-0056	LF		>9" To 12" Girth, 0.019" Thick, KYNAR 500® Finish, Aluminum Drip Edge	5.43	0.76
07 62 00 00-0057	LF		>12" To 15" Girth, 0.019" Thick, KYNAR 500® Finish, Aluminum Drip Edge	6.73	0.76
07 62 00 00-0058			0.025" Thick, KYNAR 500® Finish, Aluminum Drip Edge (07 62 00 00-0045)		
07 62 00 00-0059	LF		Up To 5" Girth, 0.025" Thick, KYNAR 500® Finish, Aluminum Drip Edge	3.69	0.76
07 62 00 00-0060	LF		>5" To 7" Girth, 0.025" Thick, KYNAR 500® Finish, Aluminum Drip Edge	4.41	0.76
07 62 00 00-0061	LF		>7" To 9" Girth, 0.025" Thick, KYNAR 500® Finish, Aluminum Drip Edge	4.95	0.76
07 62 00 00-0062	LF		>9" To 12" Girth, 0.025" Thick, KYNAR 500® Finish, Aluminum Drip Edge	5.85	0.76
07 62 00 00-0063	LF		>12" To 15" Girth, 0.025" Thick, KYNAR 500® Finish, Aluminum Drip Edge	7.28	0.76
07 62 00 00-0064			0.032" Thick, KYNAR 500® Finish, Aluminum Drip Edge (07 62 00 00-0045)		
07 62 00 00-0065	LF		Up To 5" Girth, 0.032" Thick, KYNAR 500® Finish, Aluminum Drip Edge	4.11	0.76
07 62 00 00-0066	LF		>5" To 7" Girth, 0.032" Thick, KYNAR 500® Finish, Aluminum Drip Edge	4.96	0.76
07 62 00 00-0067	LF		>7" To 9" Girth, 0.032" Thick, KYNAR 500® Finish, Aluminum Drip Edge	5.61	0.76
07 62 00 00-0068	LF		>9" To 12" Girth, 0.032" Thick, KYNAR 500® Finish, Aluminum Drip Edge	6.68	0.76
07 62 00 00-0069	LF		>12" To 15" Girth, 0.032" Thick, KYNAR 500® Finish, Aluminum Drip Edge	8.40	0.76
07 62 00 00-0070			0.040" Thick, KYNAR 500® Finish, Aluminum Drip Edge (07 62 00 00-0045)		
07 62 00 00-0071	LF		Up To 5" Girth, 0.040" Thick, KYNAR 500® Finish, Aluminum Drip Edge	4.24	0.76
07 62 00 00-0072	LF		>5" To 7" Girth, 0.040" Thick, KYNAR 500® Finish, Aluminum Drip Edge	5.17	0.76
07 62 00 00-0073	LF		>7" To 9" Girth, 0.040" Thick, KYNAR 500® Finish, Aluminum Drip Edge	5.83	0.76
07 62 00 00-0074	LF		>9" To 12" Girth, 0.040" Thick, KYNAR 500® Finish, Aluminum Drip Edge	6.96	0.76
07 62 00 00-0075	LF		>12" To 15" Girth, 0.040" Thick, KYNAR 500® Finish, Aluminum Drip Edge	8.77	0.76
07 62 00 00-0076			0.050" Thick, KYNAR 500® Finish, Aluminum Drip Edge (07 62 00 00-0045)		
07 62 00 00-0077	LF		Up To 5" Girth, 0.050" Thick, KYNAR 500® Finish, Aluminum Drip Edge	4.73	0.76
07 62 00 00-0078	LF		>5" To 7" Girth, 0.050" Thick, KYNAR 500® Finish, Aluminum Drip Edge	5.80	0.76
07 62 00 00-0079	LF		>7" To 9" Girth, 0.050" Thick, KYNAR 500® Finish, Aluminum Drip Edge	6.60	0.76
07 62 00 00-0080	LF		>9" To 12" Girth, 0.050" Thick, KYNAR 500® Finish, Aluminum Drip Edge	7.93	0.76
07 62 00 00-0081	LF		>12" To 15" Girth, 0.050" Thick, KYNAR 500® Finish, Aluminum Drip Edge	10.07	0.76
07 62 00 00-0082			0.063" Thick, KYNAR 500® Finish, Aluminum Drip Edge (07 62 00 00-0045)		
07 62 00 00-0083	LF		Up To 5" Girth, 0.063" Thick, KYNAR 500® Finish, Aluminum Drip Edge	5.43	0.76
07 62 00 00-0084	LF		>5" To 7" Girth, 0.063" Thick, KYNAR 500® Finish, Aluminum Drip Edge	6.73	0.76
07 62 00 00-0085	LF		>7" To 9" Girth, 0.063" Thick, KYNAR 500® Finish, Aluminum Drip Edge	7.70	0.76
07 62 00 00-0086	LF		>9" To 12" Girth, 0.063" Thick, KYNAR 500® Finish, Aluminum Drip Edge	9.33	0.76
07 62 00 00-0087	LF		>12" To 15" Girth, 0.063" Thick, KYNAR 500® Finish, Aluminum Drip Edge	11.92	0.76
07 62 00 00-0088			0.080" Thick, KYNAR 500® Finish, Aluminum Drip Edge (07 62 00 00-0045)		
07 62 00 00-0089	LF		Up To 5" Girth, 0.080" Thick, KYNAR 500® Finish, Aluminum Drip Edge	6.26	0.76
07 62 00 00-0090	LF		>5" To 7" Girth, 0.080" Thick, KYNAR 500® Finish, Aluminum Drip Edge	7.84	0.76
07 62 00 00-0091	LF		>7" To 9" Girth, 0.080" Thick, KYNAR 500® Finish, Aluminum Drip Edge	9.02	0.76
07 62 00 00-0092	LF		>9" To 12" Girth, 0.080" Thick, KYNAR 500® Finish, Aluminum Drip Edge	11.00	0.76
07 62 00 00-0093	LF		>12" To 15" Girth, 0.080" Thick, KYNAR 500® Finish, Aluminum Drip Edge	14.15	0.76
07 62 00 00-0094			Mill Finish, Aluminum Drip Edge (07 62 00 00-0044)		
07 62 00 00-0095			0.016" Thick, Mill Finish, Aluminum Drip Edge (07 62 00 00-0094)		
07 62 00 00-0096	LF		Up To 5" Girth, 0.016" Thick, Mill Finish, Aluminum Drip Edge	2.73	0.76
07 62 00 00-0097	LF		>5" To 7" Girth, 0.016" Thick, Mill Finish, Aluminum Drip Edge	3.16	0.76
07 62 00 00-0098	LF		>7" To 9" Girth, 0.016" Thick, Mill Finish, Aluminum Drip Edge	3.42	0.76
07 62 00 00-0099	LF		>9" To 12" Girth, 0.016" Thick, Mill Finish, Aluminum Drip Edge	3.93	0.76
07 62 00 00-0100	LF		>12" To 15" Girth, 0.016" Thick, Mill Finish, Aluminum Drip Edge	4.84	0.76
07 62 00 00-0101			0.019" Thick, Mill Finish, Aluminum Drip Edge (07 62 00 00-0094)		
07 62 00 00-0102	LF		Up To 5" Girth, 0.019" Thick, Mill Finish, Aluminum Drip Edge	2.87	0.76
07 62 00 00-0103	LF		>5" To 7" Girth, 0.019" Thick, Mill Finish, Aluminum Drip Edge	3.32	0.76
07 62 00 00-0104	LF		>7" To 9" Girth, 0.019" Thick, Mill Finish, Aluminum Drip Edge	3.66	0.76
07 62 00 00-0105	LF		>9" To 12" Girth, 0.019" Thick, Mill Finish, Aluminum Drip Edge	4.22	0.76
07 62 00 00-0106	LF		>12" To 15" Girth, 0.019" Thick, Mill Finish, Aluminum Drip Edge	5.11	0.76
07 62 00 00-0107			0.025" Thick, Mill Finish, Aluminum Drip Edge (07 62 00 00-0094)		
07 62 00 00-0108	LF		Up To 5" Girth, 0.025" Thick, Mill Finish, Aluminum Drip Edge	3.02	0.76
07 62 00 00-0109	LF		>5" To 7" Girth, 0.025" Thick, Mill Finish, Aluminum Drip Edge	3.51	0.76
07 62 00 00-0110	LF		>7" To 9" Girth, 0.025" Thick, Mill Finish, Aluminum Drip Edge	3.89	0.76
07 62 00 00-0111	LF		>9" To 12" Girth, 0.025" Thick, Mill Finish, Aluminum Drip Edge	4.51	0.76
07 62 00 00-0112	LF		>12" To 15" Girth, 0.025" Thick, Mill Finish, Aluminum Drip Edge	5.50	0.76



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 62 00 00-0113				0.032" Thick, Mill Finish, Aluminum Drip Edge (07 62 00 00-0094)		
			LF	Up To 5" Girth, 0.032" Thick, Mill Finish, Aluminum Drip Edge.....	3.31	0.76
			LF	>5" To 7" Girth, 0.032" Thick, Mill Finish, Aluminum Drip Edge.....	3.90	0.76
			LF	>7" To 9" Girth, 0.032" Thick, Mill Finish, Aluminum Drip Edge.....	4.35	0.76
			LF	>9" To 12" Girth, 0.032" Thick, Mill Finish, Aluminum Drip Edge.....	5.08	0.76
			LF	>12" To 15" Girth, 0.032" Thick, Mill Finish, Aluminum Drip Edge.....	6.27	0.76
07 62 00 00-0119				0.040" Thick, Mill Finish, Aluminum Drip Edge (07 62 00 00-0094)		
			LF	Up To 5" Girth, 0.040" Thick, Mill Finish, Aluminum Drip Edge.....	3.40	0.76
			LF	>5" To 7" Girth, 0.040" Thick, Mill Finish, Aluminum Drip Edge.....	4.04	0.76
			LF	>7" To 9" Girth, 0.040" Thick, Mill Finish, Aluminum Drip Edge.....	4.50	0.76
			LF	>9" To 12" Girth, 0.040" Thick, Mill Finish, Aluminum Drip Edge.....	5.27	0.76
			LF	>12" To 15" Girth, 0.040" Thick, Mill Finish, Aluminum Drip Edge.....	6.52	0.76
07 62 00 00-0125				0.050" Thick, Mill Finish, Aluminum Drip Edge (07 62 00 00-0094)		
			LF	Up To 5" Girth, 0.050" Thick, Mill Finish, Aluminum Drip Edge.....	3.74	0.76
			LF	>5" To 7" Girth, 0.050" Thick, Mill Finish, Aluminum Drip Edge.....	4.47	0.76
			LF	>7" To 9" Girth, 0.050" Thick, Mill Finish, Aluminum Drip Edge.....	5.03	0.76
			LF	>9" To 12" Girth, 0.050" Thick, Mill Finish, Aluminum Drip Edge.....	5.95	0.76
			LF	>12" To 15" Girth, 0.050" Thick, Mill Finish, Aluminum Drip Edge.....	7.42	0.76
07 62 00 00-0131				0.063" Thick, Mill Finish, Aluminum Drip Edge (07 62 00 00-0094)		
			LF	Up To 5" Girth, 0.063" Thick, Mill Finish, Aluminum Drip Edge.....	4.22	0.76
			LF	>5" To 7" Girth, 0.063" Thick, Mill Finish, Aluminum Drip Edge.....	5.11	0.76
			LF	>7" To 9" Girth, 0.063" Thick, Mill Finish, Aluminum Drip Edge.....	5.79	0.76
			LF	>9" To 12" Girth, 0.063" Thick, Mill Finish, Aluminum Drip Edge.....	6.91	0.76
			LF	>12" To 15" Girth, 0.063" Thick, Mill Finish, Aluminum Drip Edge.....	8.70	0.76
07 62 00 00-0137				0.080" Thick, Mill Finish, Aluminum Drip Edge (07 62 00 00-0094)		
			LF	Up To 5" Girth, 0.080" Thick, Mill Finish, Aluminum Drip Edge.....	4.79	0.76
			LF	>5" To 7" Girth, 0.080" Thick, Mill Finish, Aluminum Drip Edge.....	5.88	0.76
			LF	>7" To 9" Girth, 0.080" Thick, Mill Finish, Aluminum Drip Edge.....	6.70	0.76
			LF	>9" To 12" Girth, 0.080" Thick, Mill Finish, Aluminum Drip Edge.....	8.06	0.76
			LF	>12" To 15" Girth, 0.080" Thick, Mill Finish, Aluminum Drip Edge.....	10.23	0.76
07 62 00 00-0143				Clear Anodized Finish, Aluminum Drip Edge (07 62 00 00-0044)		
07 62 00 00-0144				0.016" Thick, Clear Anodized Finish, Aluminum Drip Edge (07 62 00 00-0143)		
			LF	Up To 5" Girth, 0.016" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	3.37	0.76
			LF	>5" To 7" Girth, 0.016" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	4.04	0.76
			LF	>7" To 9" Girth, 0.016" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	4.43	0.76
			LF	>9" To 12" Girth, 0.016" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	5.22	0.76
			LF	>12" To 15" Girth, 0.016" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	6.62	0.76
07 62 00 00-0150				0.019" Thick, Clear Anodized Finish, Aluminum Drip Edge (07 62 00 00-0143)		
			LF	Up To 5" Girth, 0.019" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	3.60	0.76
			LF	>5" To 7" Girth, 0.019" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	4.28	0.76
			LF	>7" To 9" Girth, 0.019" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	4.80	0.76
			LF	>9" To 12" Girth, 0.019" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	5.66	0.76
			LF	>12" To 15" Girth, 0.019" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	7.04	0.76
07 62 00 00-0156				0.025" Thick, Clear Anodized Finish, Aluminum Drip Edge (07 62 00 00-0143)		
			LF	Up To 5" Girth, 0.025" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	3.82	0.76
			LF	>5" To 7" Girth, 0.025" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	4.58	0.76
			LF	>7" To 9" Girth, 0.025" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	5.16	0.76
			LF	>9" To 12" Girth, 0.025" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	6.10	0.76
			LF	>12" To 15" Girth, 0.025" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	7.63	0.76
07 62 00 00-0162				0.032" Thick, Clear Anodized Finish, Aluminum Drip Edge (07 62 00 00-0143)		
			LF	Up To 5" Girth, 0.032" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	4.26	0.76
			LF	>5" To 7" Girth, 0.032" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	5.17	0.76
			LF	>7" To 9" Girth, 0.032" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	5.86	0.76
			LF	>9" To 12" Girth, 0.032" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	6.99	0.76
			LF	>12" To 15" Girth, 0.032" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	8.81	0.76
07 62 00 00-0168				0.040" Thick, Clear Anodized Finish, Aluminum Drip Edge (07 62 00 00-0143)		
			LF	Up To 5" Girth, 0.040" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	4.41	0.76
			LF	>5" To 7" Girth, 0.040" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	5.39	0.76
			LF	>7" To 9" Girth, 0.040" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	6.09	0.76
			LF	>9" To 12" Girth, 0.040" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	7.28	0.76

07 Thermal And Moisture Protection**07 60 Flashing And Sheet Metal****07 62 Sheet Metal Flashing And Trim**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 62 00 00-0173 LF >12" To 15" Girth, 0.040" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	9.20	0.76
07 62 00 00-0174 0.050" Thick, Clear Anodized Finish, Aluminum Drip Edge (07 62 00 00-0143)		
07 62 00 00-0175 LF Up To 5" Girth, 0.050" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	4.92	0.76
07 62 00 00-0176 LF >5" To 7" Girth, 0.050" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	6.05	0.76
07 62 00 00-0177 LF >7" To 9" Girth, 0.050" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	6.90	0.76
07 62 00 00-0178 LF >9" To 12" Girth, 0.050" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	8.32	0.76
07 62 00 00-0179 LF >12" To 15" Girth, 0.050" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	10.58	0.76
07 62 00 00-0180 0.063" Thick, Clear Anodized Finish, Aluminum Drip Edge (07 62 00 00-0143)		
07 62 00 00-0181 LF Up To 5" Girth, 0.063" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	5.66	0.76
07 62 00 00-0182 LF >5" To 7" Girth, 0.063" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	7.04	0.76
07 62 00 00-0183 LF >7" To 9" Girth, 0.063" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	8.07	0.76
07 62 00 00-0184 LF >9" To 12" Girth, 0.063" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	9.79	0.76
07 62 00 00-0185 LF >12" To 15" Girth, 0.063" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	12.55	0.76
07 62 00 00-0186 0.080" Thick, Clear Anodized Finish, Aluminum Drip Edge (07 62 00 00-0143)		
07 62 00 00-0187 LF Up To 5" Girth, 0.080" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	6.55	0.76
07 62 00 00-0188 LF >5" To 7" Girth, 0.080" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	8.22	0.76
07 62 00 00-0189 LF >7" To 9" Girth, 0.080" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	9.47	0.76
07 62 00 00-0190 LF >9" To 12" Girth, 0.080" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	11.56	0.76
07 62 00 00-0191 LF >12" To 15" Girth, 0.080" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	14.91	0.76
07 62 00 00-0192 Steel Flashing And Trim (07 62)		
07 62 00 00-0193 Galvanized Steel Flashing And Trim (07 62 00 00-0192)		
07 62 00 00-0194 SF 26 Gauge, Galvanized Steel Flashing.....	11.89	3.69
For Wrap Around Window Panning, Add	8.00	
07 62 00 00-0195 SF 24 Gauge, Galvanized Steel Flashing.....	12.20	3.69
For Wrap Around Window Panning, Add	8.00	
07 62 00 00-0196 Galvanized Steel Drip Edge (07 62 00 00-0192)		
Note: Girth (stretch-out) equals the total (flattened) width of the drip edge.		
07 62 00 00-0197 Galvanized Steel Drip Edge (07 62 00 00-0196)		
07 62 00 00-0198 26 Gauge, Galvanized Steel Drip Edge (07 62 00 00-0197)		
07 62 00 00-0199 LF Up To 5" Girth, 26 Gauge, Galvanized Steel Drip Edge.....	3.08	0.76
07 62 00 00-0200 LF >5" To 7" Girth, 26 Gauge, Galvanized Steel Drip Edge.....	3.61	0.76
07 62 00 00-0201 LF >7" To 9" Girth, 26 Gauge, Galvanized Steel Drip Edge.....	3.99	0.76
07 62 00 00-0202 LF >9" To 12" Girth, 26 Gauge, Galvanized Steel Drip Edge.....	4.63	0.76
07 62 00 00-0203 LF >12" To 15" Girth, 26 Gauge, Galvanized Steel Drip Edge.....	5.66	0.76
07 62 00 00-0204 24 Gauge, Galvanized Steel Drip Edge (07 62 00 00-0197)		
07 62 00 00-0205 LF Up To 5" Girth, 24 Gauge, Galvanized Steel Drip Edge.....	3.31	0.76
07 62 00 00-0206 LF >5" To 7" Girth, 24 Gauge, Galvanized Steel Drip Edge.....	3.92	0.76
07 62 00 00-0207 LF >7" To 9" Girth, 24 Gauge, Galvanized Steel Drip Edge.....	4.36	0.76
07 62 00 00-0208 LF >9" To 12" Girth, 24 Gauge, Galvanized Steel Drip Edge.....	5.10	0.76
07 62 00 00-0209 LF >12" To 15" Girth, 24 Gauge, Galvanized Steel Drip Edge.....	6.28	0.76
07 62 00 00-0210 KYNAR 500® Finish, Galvanized Steel Drip Edge (07 62 00 00-0196)		
07 62 00 00-0211 26 Gauge, KYNAR 500® Finish, Galvanized Steel Drip Edge (07 62 00 00-0210)		
07 62 00 00-0212 LF Up To 5" Girth, 26 Gauge, KYNAR 500® Finish, Galvanized Steel Drip Edge.....	3.78	0.76
07 62 00 00-0213 LF >5" To 7" Girth, 26 Gauge, KYNAR 500® Finish, Galvanized Steel Drip Edge.....	4.55	0.76
07 62 00 00-0214 LF >7" To 9" Girth, 26 Gauge, KYNAR 500® Finish, Galvanized Steel Drip Edge.....	5.09	0.76
07 62 00 00-0215 LF >9" To 12" Girth, 26 Gauge, KYNAR 500® Finish, Galvanized Steel Drip Edge.....	6.03	0.76
07 62 00 00-0216 LF >12" To 15" Girth, 26 Gauge, KYNAR 500® Finish, Galvanized Steel Drip Edge.....	7.52	0.76
07 62 00 00-0217 24 Gauge, KYNAR 500® Finish, Galvanized Steel Drip Edge (07 62 00 00-0210)		
07 62 00 00-0218 LF Up To 5" Girth, 24 Gauge, KYNAR 500® Finish, Galvanized Steel Drip Edge.....	4.12	0.76
07 62 00 00-0219 LF >5" To 7" Girth, 24 Gauge, KYNAR 500® Finish, Galvanized Steel Drip Edge.....	5.00	0.76
07 62 00 00-0220 LF >7" To 9" Girth, 24 Gauge, KYNAR 500® Finish, Galvanized Steel Drip Edge.....	5.63	0.76
07 62 00 00-0221 LF >9" To 12" Girth, 24 Gauge, KYNAR 500® Finish, Galvanized Steel Drip Edge.....	6.70	0.76
07 62 00 00-0222 LF >12" To 15" Girth, 24 Gauge, KYNAR 500® Finish, Galvanized Steel Drip Edge.....	8.42	0.76
07 63 Sheet Metal Roofing Specialties (07 60)		
07 63 00 00-0001 Pitch Pockets (07 63)		
Note: Cut into deck, filled with non-shrink grout, includes blocking.		
07 63 00 00-0002 24 Gauge Galvanized Sheet Metal, Non-Shrink Grout Filled Pitch Pockets (07 63 00 00-0001)		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 63 00 00-0003 EA 4" x 4" 24 Gauge Galvanized Sheet Metal, Non-Shrink Grout Filled Pitch Pocket.....	55.93	
<i>For Pourable Sealer Filled, Add</i>	22.39	
<i>For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add</i>	11.20	
07 63 00 00-0004 EA 6" x 6" 24 Gauge Galvanized Sheet Metal, Non-Shrink Grout Filled Pitch Pocket.....	62.14	
<i>For Pourable Sealer Filled, Add</i>	50.39	
<i>For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add</i>	25.21	
07 63 00 00-0005 EA 8" x 8" 24 Gauge Galvanized Sheet Metal, Non-Shrink Grout Filled Pitch Pocket.....	70.29	
<i>For Pourable Sealer Filled, Add</i>	89.57	
<i>For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add</i>	44.69	
07 63 00 00-0006 EA 8" x 10" 24 Gauge Galvanized Sheet Metal, Non-Shrink Grout Filled Pitch Pocket.....	75.78	
<i>For Pourable Sealer Filled, Add</i>	111.96	
<i>For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add</i>	56.03	
07 63 00 00-0007 EA 8" x 12" 24 Gauge Galvanized Sheet Metal, Non-Shrink Grout Filled Pitch Pocket.....	80.37	
<i>For Pourable Sealer Filled, Add</i>	134.35	
<i>For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add</i>	67.18	
07 63 00 00-0008 SF 24 Gauge Galvanized Sheet Metal, Non-Shrink Grout Filled Pitch Pocket.....	87.59	
<i>For Pourable Sealer Filled, Add</i>	201.53	
<i>For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add</i>	100.54	
07 63 00 00-0009 16 Ounce Copper Sheet Metal, Non-Shrink Grout Filled Pitch Pockets (07 63 00 00-0001)		
07 63 00 00-0010 EA 4" x 4" 16 Ounce Copper Sheet Metal, Non-Shrink Grout Filled Pitch Pocket.....	77.34	
<i>For Pourable Sealer Filled, Add</i>	22.39	
<i>For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add</i>	11.20	
07 63 00 00-0011 EA 6" x 6" 16 Ounce Copper Sheet Metal, Non-Shrink Grout Filled Pitch Pocket.....	87.38	
<i>For Pourable Sealer Filled, Add</i>	50.39	
<i>For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add</i>	25.21	
07 63 00 00-0012 EA 8" x 8" 16 Ounce Copper Sheet Metal, Non-Shrink Grout Filled Pitch Pocket.....	99.90	
<i>For Pourable Sealer Filled, Add</i>	89.57	
<i>For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add</i>	44.69	
07 63 00 00-0013 EA 8" x 10" 16 Ounce Copper Sheet Metal, Non-Shrink Grout Filled Pitch Pocket.....	108.79	
<i>For Pourable Sealer Filled, Add</i>	111.96	
<i>For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add</i>	56.03	
07 63 00 00-0014 EA 8" x 12" 16 Ounce Copper Sheet Metal, Non-Shrink Grout Filled Pitch Pocket.....	114.26	
<i>For Pourable Sealer Filled, Add</i>	134.35	
<i>For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add</i>	67.18	
07 63 00 00-0015 SF 16 Ounce Copper Sheet Metal, Non-Shrink Grout Filled Pitch Pocket.....	123.50	
<i>For Pourable Sealer Filled, Add</i>	201.53	
<i>For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add</i>	100.54	
07 63 00 00-0016 24 Gauge Stainless Steel Sheet Metal, Non-Shrink Grout Filled Pitch Pockets (07 63 00 00-0001)		
07 63 00 00-0017 EA 4" x 4" 24 Gauge Stainless Steel Sheet Metal, Non-Shrink Grout Filled Pitch Pocket.....	67.34	
<i>For Pourable Sealer Filled, Add</i>	22.39	
<i>For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add</i>	11.20	
07 63 00 00-0018 EA 6" x 6" 24 Gauge Stainless Steel Sheet Metal, Non-Shrink Grout Filled Pitch Pocket.....	75.00	
<i>For Pourable Sealer Filled, Add</i>	50.39	
<i>For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add</i>	25.21	
07 63 00 00-0019 EA 8" x 8" 24 Gauge Stainless Steel Sheet Metal, Non-Shrink Grout Filled Pitch Pocket.....	81.90	
<i>For Pourable Sealer Filled, Add</i>	89.57	
<i>For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add</i>	44.69	
07 63 00 00-0020 EA 8" x 10" 24 Gauge Stainless Steel Sheet Metal, Non-Shrink Grout Filled Pitch Pocket.....	87.16	
<i>For Pourable Sealer Filled, Add</i>	111.96	
<i>For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add</i>	56.03	
07 63 00 00-0021 EA 8" x 12" 24 Gauge Stainless Steel Sheet Metal, Non-Shrink Grout Filled Pitch Pocket.....	91.45	
<i>For Pourable Sealer Filled, Add</i>	134.35	
<i>For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add</i>	67.18	
07 63 00 00-0022 SF 24 Gauge Stainless Steel Sheet Metal, Non-Shrink Grout Filled Pitch Pocket.....	97.93	
<i>For Pourable Sealer Filled, Add</i>	201.53	
<i>For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add</i>	100.54	
07 63 00 00-0023 Clean, Repair And Refill Existing Pitch Pockets With Non-Shrink Grout (07 63 00 00-0001)		
Note: Includes removing existing filler and refilling with non-shrink grout.		
07 63 00 00-0024 EA Clean, Repair And Refill Existing 4" x 4" Pitch Pocket With Non-Shrink Grout.....	46.87	
<i>For Pourable Sealer Filled, Add</i>	22.39	
<i>For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add</i>	11.20	
07 63 00 00-0025 EA Clean, Repair And Refill Existing 6" x 6" Pitch Pocket With Non-Shrink Grout.....	49.71	
<i>For Pourable Sealer Filled, Add</i>	50.39	
<i>For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add</i>	25.21	
07 63 00 00-0026 EA Clean, Repair And Refill Existing 8" x 8" Pitch Pocket With Non-Shrink Grout.....	53.09	
<i>For Pourable Sealer Filled, Add</i>	89.57	
<i>For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add</i>	44.69	
07 63 00 00-0027 EA Clean, Repair And Refill Existing 8" x 10" Pitch Pocket With Non-Shrink Grout.....	55.67	
<i>For Pourable Sealer Filled, Add</i>	111.96	
<i>For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add</i>	56.03	
07 63 00 00-0028 EA Clean, Repair And Refill Existing 8" x 12" Pitch Pocket With Non-Shrink Grout.....	58.25	
<i>For Pourable Sealer Filled, Add</i>	134.35	
<i>For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add</i>	67.18	
07 63 00 00-0029 SF Clean, Repair And Refill Existing Pitch Pocket With Non-Shrink Grout.....	62.94	
<i>For Pourable Sealer Filled, Add</i>	201.53	
<i>For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add</i>	100.54	

07 Thermal And Moisture Protection**07 60 Flashing And Sheet Metal****07 63 Sheet Metal Roofing Specialties**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
07 63 00 00-0030		Lead Pipe Flashing For Roofs <small>(07 63)</small>			
		Note: Includes 6" skirt base.			
07 63 00 00-0031	EA	1-1/4" ID x 12" Riser Pipe, 4 LB Lead Pipe Flashing For Roofs, Fits 3/4" Pipe.....	85.73		29.30
07 63 00 00-0032	EA	1-1/2" ID x 12" Riser Pipe, 4 LB Lead Pipe Flashing For Roofs, Fits 1" Pipe.....	85.73		29.30
07 63 00 00-0033	EA	2-3/4" ID x 12" Riser Pipe, 4 LB Lead Pipe Flashing For Roofs, Fits 2" Pipe.....	100.92		29.30
07 63 00 00-0034	EA	3-3/4" ID x 12" Riser Pipe, 4 LB Lead Pipe Flashing For Roofs, Fits 3" Pipe.....	109.60		29.30
07 63 00 00-0035	EA	4-1/4" ID x 12" Riser Pipe, 4 LB Lead Pipe Flashing For Roofs, Fits 3-1/2" Pipe.....	113.95		29.30
07 63 00 00-0036	EA	4-3/4" ID x 12" Riser Pipe, 4 LB Lead Pipe Flashing For Roofs, Fits 4" Pipe.....	116.12		29.30
07 63 00 00-0037	EA	6-7/8" ID x 12" Riser Pipe, 4 LB Lead Pipe Flashing For Roofs, Fits 6" Pipe.....	137.82		29.30
07 63 00 00-0038	EA	8-7/8" ID x 12" Riser Pipe, 4 LB Lead Pipe Flashing For Roofs, Fits 8" Pipe.....	147.59		29.30
07 63 00 00-0039		Galvanized Metal Flashing With Neoprene Collar, Shingle Roofing <small>(07 63)</small>			
07 63 00 00-0040	EA	2" Vent Through Roof, Galvanized Metal Flashing With Neoprene Collar, Shingle Roofing.....	64.58		18.94
07 63 00 00-0041	EA	3" Vent Through Roof, Galvanized Metal Flashing With Neoprene Collar, Shingle Roofing.....	65.11		18.94
07 63 00 00-0042	EA	4" Vent Through Roof, Galvanized Metal Flashing With Neoprene Collar, Shingle Roofing.....	66.98		18.94
07 63 00 00-0043	EA	6" Vent Through Roof, Galvanized Metal Flashing With Neoprene Collar, Shingle Roofing.....	76.35		18.94
07 65		Flexible Flashing <small>(07 60)</small>			
07 65 16		Modified Bituminous Sheet Flashing <small>(07 65)</small>			
07 65 16 00-0001		Liquid Flashing System For Modified And BUR Systems <small>(07 65 16)</small>			
		See CSI section 07 51 13 00-0036 for ceramic coated roofing granules.			
07 65 16 00-0002	SF	60 Mil, Urethane Elastomer Liquid Applied Flashing.....	7.08		1.57
		Note: Includes applying a 30 mil base coat, rolling in a stichbonded polyester reinforcing scrim and applying a 30 mil second coat.			
07 65 19		Plastic Sheet Flashing <small>(07 65)</small>			
07 65 19 00-0001		Plastic Flashing And Trim <small>(07 65 19)</small>			
07 65 19 00-0002		Neoprene Flashing <small>(07 65 19 00-0001)</small>			
07 65 19 00-0003		60 Mil Neoprene Flashing <small>(07 65 19 00-0002)</small>			
07 65 19 00-0004	LF	6" Wide Strip, 60 Mil, Neoprene Flashing.....	6.04		2.06
07 65 19 00-0005	LF	12" Wide Strip, 60 Mil, Neoprene Flashing.....	7.74		2.22
07 65 19 00-0006	LF	18" Wide Strip, 60 Mil, Neoprene Flashing.....	9.67		2.44
07 65 19 00-0007	LF	24" Wide Strip, 60 Mil, Neoprene Flashing.....	11.74		2.75
07 65 33		Plastic Flashing <small>(07 65)</small>			
07 65 33 00-0001		Neoprene Roof Boot <small>(07 65 33)</small>			
07 65 33 00-0002	EA	Neoprene Roof Boot For 2" Diameter Pipe.....	25.99		6.34
07 65 33 00-0003	EA	Neoprene Roof Boot For 3" Diameter Pipe.....	30.20		7.10
07 65 33 00-0004	EA	Neoprene Roof Boot For 4" Diameter Pipe.....	33.27		7.63
07 70		Roof And Wall Specialties And Accessories <small>(07)</small>			
		Note: Includes placement of materials on roof up to 2-1/2 stories.			
07 71		Roof Specialties <small>(07 70)</small>			
07 71 13		Manufactured Copings <small>(07 71)</small>			
07 71 13 00-0001		Galvanized Steel Copings <small>(07 71 13)</small>			
07 71 13 00-0002		KYNAR 500® Finish, Galvanized Steel Coping System With Galvanized Steel Cleats <small>(07 71 13 00-0001)</small>			
		Note: Stretch-out width = face height + wall thickness + back leg. Coping system includes matching joint splice plate, galvanized steel cleats and stainless steel fasteners.			
07 71 13 00-0003	LF	10" To 14" Wide (Stretch-out), 24 Gauge, KYNAR 500® Finish, Galvanized Steel Coping System With Galvanized Steel Cleats.....	17.85		1.65
07 71 13 00-0004	LF	>14" To 16" Wide (Stretch-out), 24 Gauge, KYNAR 500® Finish, Galvanized Steel Coping System With Galvanized Steel Cleats.....	18.85		1.79
07 71 13 00-0005	LF	>16" To 22" Wide (Stretch-out), 24 Gauge, KYNAR 500® Finish, Galvanized Steel Coping System With Galvanized Steel Cleats.....	21.42		1.88
07 71 13 00-0006	LF	>22" To 30" Wide (Stretch-out), 24 Gauge, KYNAR 500® Finish, Galvanized Steel Coping System With Galvanized Steel Cleats.....	24.82		2.06
07 71 13 00-0007	LF	>30" To 42" Wide (Stretch-out), 24 Gauge, KYNAR 500® Finish, Galvanized Steel Coping System With Galvanized Steel Cleats.....	29.85		2.15
07 71 13 00-0008		Aluminum Copings <small>(07 71 13)</small>			
07 71 13 00-0009		Mill Finish, Aluminum Coping System With Galvanized Steel Cleats <small>(07 71 13 00-0008)</small>			
		Note: Stretch-out width = face height + wall thickness + back leg. Coping system includes matching joint splice plate, galvanized steel cleats and stainless steel fasteners.			



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 13 00-0010 0.040" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats <i>(07 71 13 00-0009)</i>		
07 71 13 00-0011 LF 10" To 14" Wide (Stretch-out), 0.040" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats	14.32	1.65
07 71 13 00-0012 LF >14" To 16" Wide (Stretch-out), 0.040" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats	15.30	1.79
07 71 13 00-0013 LF >16" To 22" Wide (Stretch-out), 0.040" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats	17.74	1.88
07 71 13 00-0014 LF >22" To 30" Wide (Stretch-out), 0.040" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats	21.10	2.06
07 71 13 00-0015 LF >30" To 42" Wide (Stretch-out), 0.040" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats	26.03	2.15
07 71 13 00-0016 0.050" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats <i>(07 71 13 00-0009)</i>		
07 71 13 00-0017 LF 10" To 14" Wide (Stretch-out), 0.050" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats	15.48	1.65
07 71 13 00-0018 LF >14" To 16" Wide (Stretch-out), 0.050" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats	16.54	1.79
07 71 13 00-0019 LF >16" To 22" Wide (Stretch-out), 0.050" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats	19.20	1.88
07 71 13 00-0020 LF >22" To 30" Wide (Stretch-out), 0.050" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats	22.86	2.06
07 71 13 00-0021 LF >30" To 42" Wide (Stretch-out), 0.050" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats	28.27	2.15
07 71 13 00-0022 0.063" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats <i>(07 71 13 00-0009)</i>		
07 71 13 00-0023 LF 10" To 14" Wide (Stretch-out), 0.063" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats	16.43	1.65
07 71 13 00-0024 LF >14" To 16" Wide (Stretch-out), 0.063" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats	17.64	1.79
07 71 13 00-0025 LF >16" To 22" Wide (Stretch-out), 0.063" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats	21.02	1.88
07 71 13 00-0026 LF >22" To 30" Wide (Stretch-out), 0.063" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats	26.12	2.06
07 71 13 00-0027 LF >30" To 42" Wide (Stretch-out), 0.063" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats	33.54	2.15
07 71 13 00-0028 KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats <i>(07 71 13 00-0008)</i>		
Note: Stretch-out width = face height + wall thickness + back leg. Coping system includes matching joint splice plate, galvanized steel cleats and stainless steel fasteners.		
07 71 13 00-0029 0.040" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats <i>(07 71 13 00-0028)</i>		
07 71 13 00-0030 LF 10" To 14" Wide (Stretch-out), 0.040" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats	19.53	1.65
07 71 13 00-0031 LF >14" To 16" Wide (Stretch-out), 0.040" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats	20.85	1.79
07 71 13 00-0032 LF >16" To 22" Wide (Stretch-out), 0.040" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats	24.32	1.88
07 71 13 00-0033 LF >22" To 30" Wide (Stretch-out), 0.040" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats	29.04	2.06
07 71 13 00-0034 LF >30" To 42" Wide (Stretch-out), 0.040" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats	36.13	2.15
07 71 13 00-0035 0.050" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats <i>(07 71 13 00-0028)</i>		
07 71 13 00-0036 LF 10" To 14" Wide (Stretch-out), 0.050" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats	21.21	1.65
07 71 13 00-0037 LF >14" To 16" Wide (Stretch-out), 0.050" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats	22.64	1.79
07 71 13 00-0038 LF >16" To 22" Wide (Stretch-out), 0.050" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats	26.44	1.88
07 71 13 00-0039 LF >22" To 30" Wide (Stretch-out), 0.050" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats	31.61	2.06
07 71 13 00-0040 LF >30" To 42" Wide (Stretch-out), 0.050" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats	39.38	2.15
07 71 13 00-0041 0.063" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats <i>(07 71 13 00-0028)</i>		
07 71 13 00-0042 LF 10" To 14" Wide (Stretch-out), 0.063" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats	22.59	1.65
07 71 13 00-0043 LF >14" To 16" Wide (Stretch-out), 0.063" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats	24.23	1.79
07 71 13 00-0044 LF >16" To 22" Wide (Stretch-out), 0.063" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats	29.07	1.88
07 71 13 00-0045 LF >22" To 30" Wide (Stretch-out), 0.063" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats	36.33	2.06
07 71 13 00-0046 LF >30" To 42" Wide (Stretch-out), 0.063" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats	47.02	2.15
07 71 13 00-0047 Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats <i>(07 71 13 00-0008)</i>		
Note: Stretch-out width = face height + wall thickness + back leg. Coping system includes matching joint splice plate, galvanized steel cleats and stainless steel fasteners.		

07	Thermal And Moisture Protection
07 70	Roof And Wall Specialties And Accessories
07 71	Roof Specialties



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 13 00-0048			0.040" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats (07 71 13 00-0047)		
07 71 13 00-0049	LF		10" To 14" Wide (Stretch-out), 0.040" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats.....	20.54	1.65
07 71 13 00-0050	LF		>14" To 16" Wide (Stretch-out), 0.040" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats.....	21.92	1.79
07 71 13 00-0051	LF		>16" To 22" Wide (Stretch-out), 0.040" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats.....	25.59	1.88
07 71 13 00-0052	LF		>22" To 30" Wide (Stretch-out), 0.040" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats.....	30.58	2.06
07 71 13 00-0053	LF		>30" To 42" Wide (Stretch-out), 0.040" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats.....	38.08	2.15
07 71 13 00-0054			0.050" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats (07 71 13 00-0047)		
07 71 13 00-0055	LF		10" To 14" Wide (Stretch-out), 0.050" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats.....	22.32	1.65
07 71 13 00-0056	LF		>14" To 16" Wide (Stretch-out), 0.050" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats.....	23.82	1.79
07 71 13 00-0057	LF		>16" To 22" Wide (Stretch-out), 0.050" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats.....	27.84	1.88
07 71 13 00-0058	LF		>22" To 30" Wide (Stretch-out), 0.050" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats.....	33.30	2.06
07 71 13 00-0059	LF		>30" To 42" Wide (Stretch-out), 0.050" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats.....	41.53	2.15
07 71 13 00-0060			0.063" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats (07 71 13 00-0047)		
07 71 13 00-0061	LF		10" To 14" Wide (Stretch-out), 0.063" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats.....	23.78	1.65
07 71 13 00-0062	LF		>14" To 16" Wide (Stretch-out), 0.063" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats.....	25.51	1.79
07 71 13 00-0063	LF		>16" To 22" Wide (Stretch-out), 0.063" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats.....	30.63	1.88
07 71 13 00-0064	LF		>22" To 30" Wide (Stretch-out), 0.063" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats.....	38.30	2.06
07 71 13 00-0065	LF		>30" To 42" Wide (Stretch-out), 0.063" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats.....	49.63	2.15
07 71 13 00-0066			Remove And Reinstall Metal Coping (07 71 13)		
07 71 13 00-0067	LF		Removal And Reinstallation Of Metal Coping.....	8.00	
07 71 19			Manufactured Gravel Stops And Fasciae (07 71)		
07 71 19 00-0001			Gravel Stop (07 71 19)		
07 71 19 00-0002			Aluminum Gravel Stop (07 71 19 00-0001)		
07 71 19 00-0003			Aluminum Gravel Stop (07 71 19 00-0002)		
07 71 19 00-0004			KYNAR 500® Finish, Aluminum Gravel Stop (07 71 19 00-0003)		
07 71 19 00-0005			0.032" Thick, KYNAR 500® Finish, Aluminum Gravel Stop (07 71 19 00-0004)		
07 71 19 00-0006	LF		4" To 6" Face Height, 0.032" Thick, KYNAR 500® Finish, Aluminum Gravel Stop.....	10.59	1.38
07 71 19 00-0007	LF		>6" To 10" Face Height, 0.032" Thick, KYNAR 500® Finish, Aluminum Gravel Stop.....	10.74	1.42
07 71 19 00-0008	LF		>10" To 18" Face Height, 0.032" Thick, KYNAR 500® Finish, Aluminum Gravel Stop.....	10.94	1.47
07 71 19 00-0009			0.040" Thick, KYNAR 500® Finish, Aluminum Gravel Stop (07 71 19 00-0004)		
07 71 19 00-0010	LF		4" To 6" Face Height, 0.040" Thick, KYNAR 500® Finish, Aluminum Gravel Stop.....	11.17	1.38
07 71 19 00-0011	LF		>6" To 10" Face Height, 0.040" Thick, KYNAR 500® Finish, Aluminum Gravel Stop.....	11.34	1.42
07 71 19 00-0012	LF		>10" To 18" Face Height, 0.040" Thick, KYNAR 500® Finish, Aluminum Gravel Stop.....	11.57	1.47
07 71 19 00-0013			0.050" Thick, KYNAR 500® Finish, Aluminum Gravel Stop (07 71 19 00-0004)		
07 71 19 00-0014	LF		4" To 6" Face Height, 0.050" Thick, KYNAR 500® Finish, Aluminum Gravel Stop.....	11.92	1.38
07 71 19 00-0015	LF		>6" To 10" Face Height, 0.050" Thick, KYNAR 500® Finish, Aluminum Gravel Stop.....	12.06	1.42
07 71 19 00-0016	LF		>10" To 18" Face Height, 0.050" Thick, KYNAR 500® Finish, Aluminum Gravel Stop.....	12.37	1.47
07 71 19 00-0017			0.063" Thick, KYNAR 500® Finish, Aluminum Gravel Stop (07 71 19 00-0004)		
07 71 19 00-0018	LF		4" To 6" Face Height, 0.063" Thick, KYNAR 500® Finish, Aluminum Gravel Stop.....	12.43	1.38
07 71 19 00-0019	LF		>6" To 10" Face Height, 0.063" Thick, KYNAR 500® Finish, Aluminum Gravel Stop.....	12.59	1.42
07 71 19 00-0020	LF		>10" To 18" Face Height, 0.063" Thick, KYNAR 500® Finish, Aluminum Gravel Stop.....	12.93	1.47
07 71 19 00-0021			Mill Finish, Aluminum Gravel Stop (07 71 19 00-0003)		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 19 00-0022 0.032" Thick, Mill Finish, Aluminum Gravel Stop <small>(07 71 19 00-0021)</small>		
07 71 19 00-0023 LF 4" To 6" Face Height, 0.032" Thick, Mill Finish, Aluminum Gravel Stop	7.39	1.38
07 71 19 00-0024 LF >6" To 10" Face Height, 0.032" Thick, Mill Finish, Aluminum Gravel Stop	7.70	1.42
07 71 19 00-0025 LF >10" To 18" Face Height, 0.032" Thick, Mill Finish, Aluminum Gravel Stop	8.05	1.47
07 71 19 00-0026 0.040" Thick, Mill Finish, Aluminum Gravel Stop <small>(07 71 19 00-0021)</small>		
07 71 19 00-0027 LF 4" To 6" Face Height, 0.040" Thick, Mill Finish, Aluminum Gravel Stop	8.78	1.38
07 71 19 00-0028 LF >6" To 10" Face Height, 0.040" Thick, Mill Finish, Aluminum Gravel Stop	8.12	1.42
07 71 19 00-0029 LF >10" To 18" Face Height, 0.040" Thick, Mill Finish, Aluminum Gravel Stop	8.37	1.47
07 71 19 00-0030 0.050" Thick, Mill Finish, Aluminum Gravel Stop <small>(07 71 19 00-0021)</small>		
07 71 19 00-0031 LF 4" To 6" Face Height, 0.050" Thick, Mill Finish, Aluminum Gravel Stop	8.35	1.38
07 71 19 00-0032 LF >6" To 10" Face Height, 0.050" Thick, Mill Finish, Aluminum Gravel Stop	8.60	1.42
07 71 19 00-0033 LF >10" To 18" Face Height, 0.050" Thick, Mill Finish, Aluminum Gravel Stop	8.89	1.47
07 71 19 00-0034 0.063" Thick, Mill Finish, Aluminum Gravel Stop <small>(07 71 19 00-0021)</small>		
07 71 19 00-0035 LF 4" To 6" Face Height, 0.063" Thick, Mill Finish, Aluminum Gravel Stop	8.87	1.38
07 71 19 00-0036 LF >6" To 10" Face Height, 0.063" Thick, Mill Finish, Aluminum Gravel Stop	9.08	1.42
07 71 19 00-0037 LF >10" To 18" Face Height, 0.063" Thick, Mill Finish, Aluminum Gravel Stop	9.28	1.47
07 71 19 00-0038 Clear Anodized Finish, Aluminum Gravel Stop <small>(07 71 19 00-0003)</small>		
07 71 19 00-0039 0.032" Thick, Clear Anodized Finish, Aluminum Gravel Stop <small>(07 71 19 00-0038)</small>		
07 71 19 00-0040 LF 4" To 6" Face Height, 0.032" Thick, Clear Anodized Finish, Aluminum Gravel Stop	12.36	1.38
07 71 19 00-0041 LF >6" To 10" Face Height, 0.032" Thick, Clear Anodized Finish, Aluminum Gravel Stop	12.59	1.42
07 71 19 00-0042 LF >10" To 18" Face Height, 0.032" Thick, Clear Anodized Finish, Aluminum Gravel Stop	12.81	1.47
07 71 19 00-0043 0.040" Thick, Clear Anodized Finish, Aluminum Gravel Stop <small>(07 71 19 00-0038)</small>		
07 71 19 00-0044 LF 4" To 6" Face Height, 0.040" Thick, Clear Anodized Finish, Aluminum Gravel Stop	13.06	1.38
07 71 19 00-0045 LF >6" To 10" Face Height, 0.040" Thick, Clear Anodized Finish, Aluminum Gravel Stop	13.32	1.42
07 71 19 00-0046 LF >10" To 18" Face Height, 0.040" Thick, Clear Anodized Finish, Aluminum Gravel Stop	13.57	1.47
07 71 19 00-0047 0.050" Thick, Clear Anodized Finish, Aluminum Gravel Stop <small>(07 71 19 00-0038)</small>		
07 71 19 00-0048 LF 4" To 6" Face Height, 0.050" Thick, Clear Anodized Finish, Aluminum Gravel Stop	13.96	1.38
07 71 19 00-0049 LF >6" To 10" Face Height, 0.050" Thick, Clear Anodized Finish, Aluminum Gravel Stop	14.18	1.42
07 71 19 00-0050 LF >10" To 18" Face Height, 0.050" Thick, Clear Anodized Finish, Aluminum Gravel Stop	14.37	1.47
07 71 19 00-0051 0.063" Thick, Clear Anodized Finish, Aluminum Gravel Stop <small>(07 71 19 00-0038)</small>		
07 71 19 00-0052 LF 4" To 6" Face Height, 0.063" Thick, Clear Anodized Finish, Aluminum Gravel Stop	14.57	1.38
07 71 19 00-0053 LF >6" To 10" Face Height, 0.063" Thick, Clear Anodized Finish, Aluminum Gravel Stop	14.82	1.42
07 71 19 00-0054 LF >10" To 18" Face Height, 0.063" Thick, Clear Anodized Finish, Aluminum Gravel Stop	15.03	1.47
07 71 19 00-0055 Aluminum Gravel Stop System With Continuous Cleat <small>(07 71 19 00-0002)</small>		
<small>Note: Includes matching joint splice plate, galvanized steel cleats and stainless steel fasteners.</small>		
07 71 19 00-0056 KYNAR 500® Finish, Aluminum Gravel Stop System With Continuous Cleat <small>(07 71 19 00-0055)</small>		
07 71 19 00-0057 0.032" Thick, KYNAR 500® Finish, Aluminum Gravel Stop System With Continuous Cleat <small>(07 71 19 00-0056)</small>		
07 71 19 00-0058 LF 4" To 6" Face Height, 0.032" Thick, KYNAR 500® Finish, Aluminum Gravel Stop System With Continuous Cleat	13.46	2.29
07 71 19 00-0059 LF >6" To 10" Face Height, 0.032" Thick, KYNAR 500® Finish, Aluminum Gravel Stop System With Continuous Cleat	14.00	2.37
07 71 19 00-0060 LF >10" To 18" Face Height, 0.032" Thick, KYNAR 500® Finish, Aluminum Gravel Stop System With Continuous Cleat	14.66	2.44
07 71 19 00-0061 0.040" Thick, KYNAR 500® Finish, Aluminum Gravel Stop System With Continuous Cleat <small>(07 71 19 00-0056)</small>		
07 71 19 00-0062 LF 4" To 6" Face Height, 0.040" Thick, KYNAR 500® Finish, Aluminum Gravel Stop System With Continuous Cleat	14.04	2.29
07 71 19 00-0063 LF >6" To 10" Face Height, 0.040" Thick, KYNAR 500® Finish, Aluminum Gravel Stop System With Continuous Cleat	14.60	2.37
07 71 19 00-0064 LF >10" To 18" Face Height, 0.040" Thick, KYNAR 500® Finish, Aluminum Gravel Stop System With Continuous Cleat	15.29	2.44
07 71 19 00-0065 0.050" Thick, KYNAR 500® Finish, Aluminum Gravel Stop System With Continuous Cleat <small>(07 71 19 00-0056)</small>		
07 71 19 00-0066 LF 4" To 6" Face Height, 0.050" Thick, KYNAR 500® Finish, Aluminum Gravel Stop System With Continuous Cleat	14.79	2.29
07 71 19 00-0067 LF >6" To 10" Face Height, 0.050" Thick, KYNAR 500® Finish, Aluminum Gravel Stop System With Continuous Cleat	15.32	2.37

07	Thermal And Moisture Protection
07 70	Roof And Wall Specialties And Accessories
07 71	Roof Specialties



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 19 00-0068 LF >10" To 18" Face Height, 0.050" Thick, KYNAR 500® Finish, Aluminum Gravel Stop System With Continuous Cleat.....	16.09	2.44
07 71 19 00-0069 0.063" Thick, KYNAR 500® Finish, Aluminum Gravel Stop System With Continuous Cleat (07 71 19 00-0056)		
07 71 19 00-0070 LF 4" To 6" Face Height, 0.063" Thick, KYNAR 500® Finish, Aluminum Gravel Stop System With Continuous Cleat.....	15.30	2.29
07 71 19 00-0071 LF >6" To 10" Face Height, 0.063" Thick, KYNAR 500® Finish, Aluminum Gravel Stop System With Continuous Cleat.....	15.85	2.37
07 71 19 00-0072 LF >10" To 18" Face Height, 0.063" Thick, KYNAR 500® Finish, Aluminum Gravel Stop System With Continuous Cleat.....	16.65	2.44
07 71 19 00-0073 Mill Finish, Aluminum Gravel Stop System With Continuous Cleat (07 71 19 00-0055)		
07 71 19 00-0074 0.032" Thick, Mill Finish, Aluminum Gravel Stop System With Continuous Cleat (07 71 19 00-0073)		
07 71 19 00-0075 LF 4" To 6" Face Height, 0.032" Thick, Mill Finish, Aluminum Gravel Stop System With Continuous Cleat.....	10.70	2.29
07 71 19 00-0076 LF >6" To 10" Face Height, 0.032" Thick, Mill Finish, Aluminum Gravel Stop System With Continuous Cleat.....	11.13	2.37
07 71 19 00-0077 LF >10" To 18" Face Height, 0.032" Thick, Mill Finish, Aluminum Gravel Stop System With Continuous Cleat.....	11.65	2.44
07 71 19 00-0078 0.040" Thick, Mill Finish, Aluminum Gravel Stop System With Continuous Cleat (07 71 19 00-0073)		
07 71 19 00-0079 LF 4" To 6" Face Height, 0.040" Thick, Mill Finish, Aluminum Gravel Stop System With Continuous Cleat.....	11.10	2.29
07 71 19 00-0080 LF >6" To 10" Face Height, 0.040" Thick, Mill Finish, Aluminum Gravel Stop System With Continuous Cleat.....	11.54	2.37
07 71 19 00-0081 LF >10" To 18" Face Height, 0.040" Thick, Mill Finish, Aluminum Gravel Stop System With Continuous Cleat.....	12.09	2.44
07 71 19 00-0082 0.050" Thick, Mill Finish, Aluminum Gravel Stop System With Continuous Cleat (07 71 19 00-0073)		
07 71 19 00-0083 LF 4" To 6" Face Height, 0.050" Thick, Mill Finish, Aluminum Gravel Stop System With Continuous Cleat.....	11.62	2.29
07 71 19 00-0084 LF >6" To 10" Face Height, 0.050" Thick, Mill Finish, Aluminum Gravel Stop System With Continuous Cleat.....	12.04	2.37
07 71 19 00-0085 LF >10" To 18" Face Height, 0.050" Thick, Mill Finish, Aluminum Gravel Stop System With Continuous Cleat.....	12.61	2.44
07 71 19 00-0086 0.063" Thick, Mill Finish, Aluminum Gravel Stop System With Continuous Cleat (07 71 19 00-0073)		
07 71 19 00-0087 LF 4" To 6" Face Height, 0.063" Thick, Mill Finish, Aluminum Gravel Stop System With Continuous Cleat.....	11.97	2.29
07 71 19 00-0088 LF >6" To 10" Face Height, 0.063" Thick, Mill Finish, Aluminum Gravel Stop System With Continuous Cleat.....	12.40	2.37
07 71 19 00-0089 LF >10" To 18" Face Height, 0.063" Thick, Mill Finish, Aluminum Gravel Stop System With Continuous Cleat.....	13.00	2.44
07 71 19 00-0090 Clear Anodized Finish, Aluminum Gravel Stop System With Continuous Cleat (07 71 19 00-0055)		
07 71 19 00-0091 0.032" Thick, Clear Anodized Finish, Aluminum Gravel Stop System With Continuous Cleat (07 71 19 00-0090)		
07 71 19 00-0092 LF 4" To 6" Face Height, 0.032" Thick, Clear Anodized Finish, Aluminum Gravel Stop System With Continuous Cleat.....	15.23	2.29
07 71 19 00-0093 LF >6" To 10" Face Height, 0.032" Thick, Clear Anodized Finish, Aluminum Gravel Stop System With Continuous Cleat.....	15.85	2.37
07 71 19 00-0094 LF >10" To 18" Face Height, 0.032" Thick, Clear Anodized Finish, Aluminum Gravel Stop System With Continuous Cleat.....	16.53	2.44
07 71 19 00-0095 0.040" Thick, Clear Anodized Finish, Aluminum Gravel Stop System With Continuous Cleat (07 71 19 00-0090)		
07 71 19 00-0096 LF 4" To 6" Face Height, 0.040" Thick, Clear Anodized Finish, Aluminum Gravel Stop System With Continuous Cleat.....	15.93	2.29
07 71 19 00-0097 LF >6" To 10" Face Height, 0.040" Thick, Clear Anodized Finish, Aluminum Gravel Stop System With Continuous Cleat.....	16.58	2.37
07 71 19 00-0098 LF >10" To 18" Face Height, 0.040" Thick, Clear Anodized Finish, Aluminum Gravel Stop System With Continuous Cleat.....	17.29	2.44
07 71 19 00-0099 0.050" Thick, Clear Anodized Finish, Aluminum Gravel Stop System With Continuous Cleat (07 71 19 00-0090)		
07 71 19 00-0100 LF 4" To 6" Face Height, 0.050" Thick, Clear Anodized Finish, Aluminum Gravel Stop System With Continuous Cleat.....	16.83	2.29
07 71 19 00-0101 LF >6" To 10" Face Height, 0.050" Thick, Clear Anodized Finish, Aluminum Gravel Stop System With Continuous Cleat.....	17.44	2.37
07 71 19 00-0102 LF >10" To 18" Face Height, 0.050" Thick, Clear Anodized Finish, Aluminum Gravel Stop System With Continuous Cleat.....	18.09	2.44
07 71 19 00-0103 0.063" Thick, Clear Anodized Finish, Aluminum Gravel Stop System With Continuous Cleat (07 71 19 00-0090)		
07 71 19 00-0104 LF 4" To 6" Face Height, 0.063" Thick, Clear Anodized Finish, Aluminum Gravel Stop System With Continuous Cleat.....	17.44	2.29
07 71 19 00-0105 LF >6" To 10" Face Height, 0.063" Thick, Clear Anodized Finish, Aluminum Gravel Stop System With Continuous Cleat.....	18.08	2.37



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 19 00-0106 LF >10" To 18" Face Height, 0.063" Thick, Clear Anodized Finish, Aluminum Gravel Stop System With Continuous Cleat.....	18.75	2.44
07 71 19 00-0107 Stainless Steel Gravel Stop (07 71 19 00-0001)		
07 71 19 00-0108 Stainless Steel Gravel Stop (07 71 19 00-0107)		
07 71 19 00-0109 26 Gauge, Stainless Steel Gravel Stop (07 71 19 00-0108)		
07 71 19 00-0110 LF 4" To 6" Face Height, 26 Gauge, Stainless Steel Gravel Stop.....	8.71	1.38
07 71 19 00-0111 LF >6" To 10" Face Height, 26 Gauge, Stainless Steel Gravel Stop	10.81	1.42
07 71 19 00-0112 LF >10" To 18" Face Height, 26 Gauge, Stainless Steel Gravel Stop	15.21	1.47
07 71 19 00-0113 24 Gauge, Stainless Steel Gravel Stop (07 71 19 00-0108)		
07 71 19 00-0114 LF 4" To 6" Face Height, 24 Gauge, Stainless Steel Gravel Stop.....	10.44	1.38
07 71 19 00-0115 LF >6" To 10" Face Height, 24 Gauge, Stainless Steel Gravel Stop	13.12	1.42
07 71 19 00-0116 LF >10" To 18" Face Height, 24 Gauge, Stainless Steel Gravel Stop	18.66	1.47
07 71 19 00-0117 22 Gauge, Stainless Steel Gravel Stop (07 71 19 00-0108)		
07 71 19 00-0118 LF 4" To 6" Face Height, 22 Gauge, Stainless Steel Gravel Stop.....	12.27	1.38
07 71 19 00-0119 LF >6" To 10" Face Height, 22 Gauge, Stainless Steel Gravel Stop	15.57	1.42
07 71 19 00-0120 LF >10" To 18" Face Height, 22 Gauge, Stainless Steel Gravel Stop	22.33	1.47
07 71 19 00-0121 Stainless Steel Gravel Stop System With Continuous Cleat (07 71 19 00-0107)		
Note: Includes matching joint splice plate, galvanized steel cleats and stainless steel fasteners.		
07 71 19 00-0122 26 Gauge, Stainless Steel Gravel Stop System With Continuous Cleat (07 71 19 00-0121)		
07 71 19 00-0123 LF 4" To 6" Face Height, 26 Gauge, Stainless Steel Gravel Stop System With Continuous Cleat	11.71	2.29
07 71 19 00-0124 LF >6" To 10" Face Height, 26 Gauge, Stainless Steel Gravel Stop System With Continuous Cleat	14.24	2.37
07 71 19 00-0125 LF >10" To 18" Face Height, 26 Gauge, Stainless Steel Gravel Stop System With Continuous Cleat.....	19.15	2.44
07 71 19 00-0126 24 Gauge, Stainless Steel Gravel Stop System With Continuous Cleat (07 71 19 00-0121)		
07 71 19 00-0127 LF 4" To 6" Face Height, 24 Gauge, Stainless Steel Gravel Stop System With Continuous Cleat	13.44	2.29
07 71 19 00-0128 LF >6" To 10" Face Height, 24 Gauge, Stainless Steel Gravel Stop System With Continuous Cleat	16.55	2.37
07 71 19 00-0129 LF >10" To 18" Face Height, 24 Gauge, Stainless Steel Gravel Stop System With Continuous Cleat.....	22.60	2.44
07 71 19 00-0130 22 Gauge, Stainless Steel Gravel Stop System With Continuous Cleat (07 71 19 00-0121)		
07 71 19 00-0131 LF 4" To 6" Face Height, 22 Gauge, Stainless Steel Gravel Stop System With Continuous Cleat	15.27	2.29
07 71 19 00-0132 LF >6" To 10" Face Height, 22 Gauge, Stainless Steel Gravel Stop System With Continuous Cleat.....	19.00	2.37
07 71 19 00-0133 LF >10" To 18" Face Height, 22 Gauge, Stainless Steel Gravel Stop System With Continuous Cleat.....	26.27	2.44
07 71 19 00-0134 Galvanized Steel Gravel Stop (07 71 19 00-0001)		
07 71 19 00-0135 Galvanized Steel Gravel Stop (07 71 19 00-0134)		
07 71 19 00-0136 KYNAR 500® Finish, Galvanized Steel Gravel Stop (07 71 19 00-0135)		
07 71 19 00-0137 24 Gauge, KYNAR 500® Finish, Galvanized Steel Gravel Stop (07 71 19 00-0136)		
07 71 19 00-0138 LF 4" To 6" Face Height, 24 Gauge, KYNAR 500® Finish, Galvanized Steel Gravel Stop.....	9.61	1.38
07 71 19 00-0139 LF >6" To 10" Face Height, 24 Gauge, KYNAR 500® Finish, Galvanized Steel Gravel Stop.....	9.74	1.42
07 71 19 00-0140 LF >10" To 18" Face Height, 24 Gauge, KYNAR 500® Finish, Galvanized Steel Gravel Stop.....	9.97	1.47
07 71 19 00-0141 Galvanized Steel Gravel Stop System With Continuous Cleat (07 71 19 00-0134)		
Note: Includes matching joint splice plate, galvanized steel cleats and stainless steel fasteners.		
07 71 19 00-0142 KYNAR 500® Finish, Galvanized Steel Gravel Stop System With Continuous Cleat (07 71 19 00-0141)		
07 71 19 00-0143 24 Gauge, KYNAR 500® Finish, Galvanized Steel Gravel Stop System With Continuous Cleat (07 71 19 00-0142)		
07 71 19 00-0144 LF 4" To 6" Face Height, 24 Gauge, KYNAR 500® Finish, Galvanized Steel Gravel Stop System With Continuous Cleat.....	12.48	2.29
07 71 19 00-0145 LF >6" To 10" Face Height, 24 Gauge, KYNAR 500® Finish, Galvanized Steel Gravel Stop System With Continuous Cleat.....	13.00	2.37
07 71 19 00-0146 LF >10" To 18" Face Height, 24 Gauge, KYNAR 500® Finish, Galvanized Steel Gravel Stop System With Continuous Cleat.....	13.69	2.44
07 71 19 00-0147 Copper Gravel Stop (07 71 19 00-0001)		
07 71 19 00-0148 Copper Gravel Stop (07 71 19 00-0147)		
07 71 19 00-0149 20 Ounce, Copper Gravel Stop (07 71 19 00-0148)		
07 71 19 00-0150 LF 4" To 6" Face Height, 20 Ounce, Copper Gravel Stop.....	36.90	1.38

07	07 Thermal And Moisture Protection
07 70	Roof And Wall Specialties And Accessories
07 71	Roof Specialties



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 19 00-0151 LF >6" To 10" Face Height, 20 Ounce, Copper Gravel Stop.....	41.81	1.42
07 71 19 00-0152 LF >10" To 18" Face Height, 20 Ounce, Copper Gravel Stop.....	48.04	1.47
07 71 19 00-0153 16 Ounce, Copper Gravel Stop (07 71 19 00-0148)		
07 71 19 00-0154 LF 4" To 6" Face Height, 16 Ounce, Copper Gravel Stop.....	45.00	1.38
07 71 19 00-0155 LF >6" To 10" Face Height, 16 Ounce, Copper Gravel Stop.....	51.71	1.42
07 71 19 00-0156 LF >10" To 18" Face Height, 16 Ounce, Copper Gravel Stop.....	58.84	1.47
07 71 19 00-0157 Copper Gravel Stop System With Continuous Cleat (07 71 19 00-0147) Note: Includes matching joint splice plate, galvanized steel cleats and stainless steel fasteners.		
07 71 19 00-0158 20 Ounce, Copper Gravel Stop System With Continuous Cleat (07 71 19 00-0157)		
07 71 19 00-0159 LF 4" To 6" Face Height, 20 Ounce, Copper Gravel Stop System With Continuous Cleat	39.90	2.29
07 71 19 00-0160 LF >6" To 10" Face Height, 20 Ounce, Copper Gravel Stop System With Continuous Cleat	45.24	2.37
07 71 19 00-0161 LF >10" To 18" Face Height, 20 Ounce, Copper Gravel Stop System With Continuous Cleat	51.98	2.44
07 71 19 00-0162 16 Ounce, Copper Gravel Stop System With Continuous Cleat (07 71 19 00-0157)		
07 71 19 00-0163 LF 4" To 6" Face Height, 16 Ounce, Copper Gravel Stop System With Continuous Cleat	48.00	2.29
07 71 19 00-0164 LF >6" To 10" Face Height, 16 Ounce, Copper Gravel Stop System With Continuous Cleat	55.14	2.37
07 71 19 00-0165 LF >10" To 18" Face Height, 16 Ounce, Copper Gravel Stop System With Continuous Cleat	62.78	2.44
07 71 19 00-0166 Fascia (07 71 19)		
07 71 19 00-0167 Snap-On Cover Fascia (07 71 19 00-0166) Note: Includes matching joint splice plate, galvanized steel cleats and stainless steel fasteners.		
07 71 19 00-0168 Galvanized Steel Snap-On Cover Fascia (07 71 19 00-0167)		
07 71 19 00-0169 KYNAR 500® Finish, Galvanized Steel Snap-On Cover Fascia (07 71 19 00-0168)		
07 71 19 00-0170 24 Gauge, KYNAR 500® Finish, Galvanized Steel Snap-On Cover Fascia (07 71 19 00-0169)		
07 71 19 00-0171 LF 3" To 5" Face Height, 24 Gauge, KYNAR 500® Finish, Galvanized Steel Snap-On Cover Fascia System With Continuous Cleat.....	12.50	1.91
07 71 19 00-0172 LF >5" To 7" Face Height, 24 Gauge, KYNAR 500® Finish, Galvanized Steel Snap-On Cover Fascia System With Continuous Cleat.....	13.84	1.99
07 71 19 00-0173 LF >7" To 9" Face Height, 24 Gauge, KYNAR 500® Finish, Galvanized Steel Snap-On Cover Fascia System With Continuous Cleat.....	14.75	2.06
07 71 19 00-0174 Accessories For KYNAR 500® Finish, Galvanized Steel Snap-On Cover Fascia Systems (07 71 19 00-0169)		
07 71 19 00-0175 Fascia Sumps For KYNAR 500® Finish, Galvanized Steel Snap-On Cover Fascia Systems (07 71 19 00-0174)		
07 71 19 00-0176 EA Fascia Sump For 3" To 5" Face Height, KYNAR 500® Finish, Galvanized Steel Snap-On Cover Fascia Systems	73.14	2.67
07 71 19 00-0177 EA Fascia Sump For >5" To 7" Face Height, KYNAR 500® Finish, Galvanized Steel Snap-On Cover Fascia Systems	77.88	2.67
07 71 19 00-0178 EA Fascia Sump For >7" To 9" Face Height, KYNAR 500® Finish, Galvanized Steel Snap-On Cover Fascia Systems	80.86	2.67
07 71 19 00-0179 Fascia Spillout Scuppers For KYNAR 500® Finish, Galvanized Steel Snap-On Cover Fascia Systems (07 71 19 00-0174)		
07 71 19 00-0180 EA Fascia Spillout Scupper For 3" To 5" Face Height, KYNAR 500® Finish, Galvanized Steel Snap-On Cover Fascia Systems.....	60.22	2.67
07 71 19 00-0181 EA Fascia Spillout Scupper For >5" To 7" Face Height, KYNAR 500® Finish, Galvanized Steel Snap-On Cover Fascia Systems	62.62	2.67
07 71 19 00-0182 EA Fascia Spillout Scupper For >7" To 9" Face Height, KYNAR 500® Finish, Galvanized Steel Snap-On Cover Fascia Systems	64.07	2.67
07 71 19 00-0183 Aluminum Snap-On Cover Fascia (07 71 19 00-0167)		
07 71 19 00-0184 KYNAR 500® Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat (07 71 19 00-0183)		
07 71 19 00-0185 0.040" Thick, KYNAR 500® Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat (07 71 19 00-0184)		
07 71 19 00-0186 LF 3" To 5" Face Height, 0.040" Thick, KYNAR 500® Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat.....	13.46	1.91
07 71 19 00-0187 LF >5" To 7" Face Height, 0.040" Thick, KYNAR 500® Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat.....	15.13	1.99
07 71 19 00-0188 LF >7" To 9" Face Height, 0.040" Thick, KYNAR 500® Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat.....	16.04	2.06
07 71 19 00-0189 0.050" Thick, KYNAR 500® Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat (07 71 19 00-0184)		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 19 00-0190 LF 3" To 5" Face Height, 0.050" Thick, KYNAR 500® Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat.....	14.09	1.91
07 71 19 00-0191 LF >5" To 7" Face Height, 0.050" Thick, KYNAR 500® Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat.....	15.94	1.99
07 71 19 00-0192 LF >7" To 9" Face Height, 0.050" Thick, KYNAR 500® Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat.....	16.95	2.06
07 71 19 00-0193 Accessories For KYNAR 500® Finish, Aluminum Snap-On Cover Fascia Systems (07 71 19 00-0184)		
07 71 19 00-0194 Fascia Sumps For KYNAR 500® Finish, Aluminum Snap-On Cover Fascia Systems (07 71 19 00-0193)		
07 71 19 00-0195 EA Fascia Sump For 3" To 5" Face Height, KYNAR 500® Finish, Aluminum Snap-On Cover Fascia Systems	82.05	2.67
07 71 19 00-0196 EA Fascia Sump For >5" To 7" Face Height, KYNAR 500® Finish, Aluminum Snap-On Cover Fascia Systems	88.86	2.67
07 71 19 00-0197 EA Fascia Sump For >7" To 9" Face Height, KYNAR 500® Finish, Aluminum Snap-On Cover Fascia Systems	91.84	2.67
07 71 19 00-0198 Fascia Spillout Scuppers For KYNAR 500® Finish, Aluminum Snap-On Cover Fascia Systems (07 71 19 00-0193)		
07 71 19 00-0199 EA Fascia Spillout Scupper For 3" To 5" Face Height, KYNAR 500® Finish, Aluminum Snap-On Cover Fascia Systems.....	65.25	2.67
07 71 19 00-0200 EA Fascia Spillout Scupper For >5" To 7" Face Height, KYNAR 500® Finish, Aluminum Snap-On Cover Fascia Systems.....	68.65	2.67
07 71 19 00-0201 EA Fascia Spillout Scupper For >7" To 9" Face Height, KYNAR 500® Finish, Aluminum Snap-On Cover Fascia Systems.....	70.13	2.67
07 71 19 00-0202 Clear Anodized Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat (07 71 19 00-0183)		
07 71 19 00-0203 0.040" Thick, Clear Anodized Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat (07 71 19 00-0202)		
07 71 19 00-0204 LF 3" To 5" Face Height, 0.040" Thick, Clear Anodized Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat.....	15.39	1.91
07 71 19 00-0205 LF >5" To 7" Face Height, 0.040" Thick, Clear Anodized Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat.....	17.36	1.99
07 71 19 00-0206 LF >7" To 9" Face Height, 0.040" Thick, Clear Anodized Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat.....	18.42	2.06
07 71 19 00-0207 0.050" Thick, Clear Anodized Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat (07 71 19 00-0202)		
07 71 19 00-0208 LF 3" To 5" Face Height, 0.050" Thick, Clear Anodized Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat.....	16.14	1.91
07 71 19 00-0209 LF >5" To 7" Face Height, 0.050" Thick, Clear Anodized Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat.....	18.33	1.99
07 71 19 00-0210 LF >7" To 9" Face Height, 0.050" Thick, Clear Anodized Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat.....	19.51	2.06
07 71 19 00-0211 Accessories For Clear Anodized Finish, Aluminum Snap-On Cover Fascia Systems (07 71 19 00-0202)		
07 71 19 00-0212 Fascia Sumps For Clear Anodized Finish, Aluminum Snap-On Cover Fascia Systems (07 71 19 00-0211)		
07 71 19 00-0213 EA Fascia Sump For 3" To 5" Face Height, Clear Anodized Finish, Aluminum Snap-On Cover Fascia Systems.....	101.22	2.67
07 71 19 00-0214 EA Fascia Sump For >5" To 7" Face Height, Clear Anodized Finish, Aluminum Snap-On Cover Fascia Systems.....	109.74	2.67
07 71 19 00-0215 EA Fascia Sump For >7" To 9" Face Height, Clear Anodized Finish, Aluminum Snap-On Cover Fascia Systems.....	113.46	2.67
07 71 19 00-0216 Fascia Spillout Scuppers For Clear Anodized Finish, Aluminum Snap-On Cover Fascia Systems (07 71 19 00-0211)		
07 71 19 00-0217 EA Fascia Spillout Scupper For 3" To 5" Face Height, Clear Anodized Finish, Aluminum Snap-On Cover Fascia Systems.....	80.23	2.67
07 71 19 00-0218 EA Fascia Spillout Scupper For >5" To 7" Face Height, Clear Anodized Finish, Aluminum Snap-On Cover Fascia Systems.....	84.47	2.67
07 71 19 00-0219 EA Fascia Spillout Scupper For >7" To 9" Face Height, Clear Anodized Finish, Aluminum Snap-On Cover Fascia Systems.....	86.33	2.67
07 71 23 Manufactured Gutters And Downspouts (07 71)		
Note: Includes all necessary support straps.		
07 71 23 00-0001 Aluminum Gutters And Downspouts (07 71 23)		
07 71 23 00-0002 Aluminum Gutters (07 71 23 00-0001)		
Note: Includes drop outlets, hangers and fasteners. Excludes end caps, miters and downspouts.		
07 71 23 00-0003 K-Style Aluminum Gutters (07 71 23 00-0002)		

07	Thermal And Moisture Protection
07 70	Roof And Wall Specialties And Accessories
07 71	Roof Specialties



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 23 00-0004	LF	5"	0.027" Thick, K-Style Aluminum Gutter <i>For Kynar 500® Finish, Add</i>	6.48 0.76	2.87
07 71 23 00-0005	LF	6"	0.027" Thick, K-Style Aluminum Gutter <i>For Kynar 500® Finish, Add</i>	6.95 0.97	2.87
07 71 23 00-0006	LF	5"	0.032" Thick, K-Style Aluminum Gutter <i>For Kynar 500® Finish, Add</i>	6.73 0.87	2.87
07 71 23 00-0007	LF	6"	0.032" Thick, K-Style Aluminum Gutter <i>For Kynar 500® Finish, Add</i>	7.26 1.11	2.87
07 71 23 00-0008	LF	7"	0.032" Thick, K-Style Aluminum Gutter <i>For Kynar 500® Finish, Add</i>	12.75 3.58	2.87
07 71 23 00-0009	LF	8"	0.032" Thick, K-Style Aluminum Gutter <i>For Kynar 500® Finish, Add</i>	13.49 3.91	2.87
07 71 23 00-0010	LF	8"	0.040" Thick, K-Style Aluminum Gutter <i>For Kynar 500® Finish, Add</i>	15.16 4.66	2.87
07 71 23 00-0011			Half Round Aluminum Gutters (07 71 23 00-0002)		
07 71 23 00-0012	LF	5"	0.027" Thick, Half Round Aluminum Gutter <i>For Kynar 500® Finish, Add</i>	11.34 2.94	2.87
07 71 23 00-0013	LF	6"	0.032" Thick, Half Round Aluminum Gutter <i>For Kynar 500® Finish, Add</i>	13.32 3.83	2.87
07 71 23 00-0014			Box Style Aluminum Gutters (07 71 23 00-0002)		
07 71 23 00-0015	LF	6"	0.027" Thick, Box Style Aluminum Gutter <i>For Kynar 500® Finish, Add</i>	10.87 2.73	2.87
07 71 23 00-0016	LF	6"	0.032" Thick, Box Style Aluminum Gutter <i>For Kynar 500® Finish, Add</i>	10.90 2.75	2.87
07 71 23 00-0017	LF	7"	0.032" Thick, Box Style Aluminum Gutter <i>For Kynar 500® Finish, Add</i>	12.40 3.42	2.87
07 71 23 00-0018	LF	8"	0.032" Thick, Box Style Aluminum Gutter <i>For Kynar 500® Finish, Add</i>	13.75 4.03	2.87
07 71 23 00-0019			Aluminum Gutter End Caps (07 71 23 00-0001)		
07 71 23 00-0020			K-Style, Aluminum Gutter End Caps (07 71 23 00-0019)		
07 71 23 00-0021	EA	5"	K-Style Aluminum Gutter End Cap <i>For Kynar 500® Finish, Add</i>	2.89 0.27	
07 71 23 00-0022	EA	6"	K-Style Aluminum Gutter End Cap <i>For Kynar 500® Finish, Add</i>	3.36 0.48	
07 71 23 00-0023	EA	7"	K-Style Aluminum Gutter End Cap <i>For Kynar 500® Finish, Add</i>	6.25 1.78	
07 71 23 00-0024	EA	8"	K-Style Aluminum Gutter End Cap <i>For Kynar 500® Finish, Add</i>	7.14 2.18	
07 71 23 00-0025			Half Round, Aluminum Gutter End Caps (07 71 23 00-0019)		
07 71 23 00-0026	EA	5"	Half Round Aluminum Gutter End Cap <i>For Kynar 500® Finish, Add</i>	4.10 0.81	
07 71 23 00-0027	EA	6"	Half Round Aluminum Gutter End Cap <i>For Kynar 500® Finish, Add</i>	5.86 1.60	
07 71 23 00-0028			Box Style, Aluminum Gutter End Caps (07 71 23 00-0019)		
07 71 23 00-0029	EA	6"	Box Style Aluminum Gutter End Cap <i>For Kynar 500® Finish, Add</i>	6.74 2.00	
07 71 23 00-0030	EA	7"	Box Style Aluminum Gutter End Cap <i>For Kynar 500® Finish, Add</i>	7.25 2.23	
07 71 23 00-0031	EA	8"	Box Style Aluminum Gutter End Cap <i>For Kynar 500® Finish, Add</i>	8.35 2.72	
07 71 23 00-0032			Aluminum Gutter Miters (07 71 23 00-0001) Note: Inside or outside miters.		
07 71 23 00-0033			K-Style, Aluminum Gutter Miters (07 71 23 00-0032)		
07 71 23 00-0034	EA	5"	K-Style Aluminum Gutter Miter <i>For Kynar 500® Finish, Add</i>	8.66 2.08	
07 71 23 00-0035	EA	6"	K-Style Aluminum Gutter Miter <i>For Kynar 500® Finish, Add</i>	12.04 3.60	
07 71 23 00-0036	EA	7"	K-Style Aluminum Gutter Miter <i>For Kynar 500® Finish, Add</i>	42.57 17.34	
07 71 23 00-0037	EA	8"	K-Style Aluminum Gutter Miter <i>For Kynar 500® Finish, Add</i>	46.00 18.89	
07 71 23 00-0038			Half Round, Aluminum Gutter Miters (07 71 23 00-0032)		
07 71 23 00-0039	EA	5"	Half Round Aluminum Gutter Miter <i>For Kynar 500® Finish, Add</i>	17.15 5.90	
07 71 23 00-0040	EA	6"	Half Round Aluminum Gutter Miter <i>For Kynar 500® Finish, Add</i>	28.19 10.87	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 23 00-0041 Box Style, Aluminum Gutter Miters (07 71 23 00-0032)		
07 71 23 00-0042 EA 6", Box Style Aluminum Gutter Miter.....	34.24	
For Kynar 500® Finish, Add	13.59	
07 71 23 00-0043 EA 7", Box Style Aluminum Gutter Miter.....	52.21	
For Kynar 500® Finish, Add	21.68	
07 71 23 00-0044 EA 8", Box Style Aluminum Gutter Miter.....	56.49	
For Kynar 500® Finish, Add	23.61	
07 71 23 00-0045 Aluminum Gutter Wire Strainers (07 71 23 00-0001)		
07 71 23 00-0046 EA 3" Diameter, Round Aluminum Wire Strainer.....	10.63	2.87
For Kynar 500® Finish, Add	2.08	
07 71 23 00-0047 EA 4" Diameter, Round Aluminum Wire Strainer.....	14.54	2.87
For Kynar 500® Finish, Add	3.84	
07 71 23 00-0048 Aluminum Downspouts (07 71 23 00-0001)		
Note: Includes elbows, hangers and fasteners.		
07 71 23 00-0049 Round Aluminum Downspouts (07 71 23 00-0048)		
07 71 23 00-0050 LF 3" Diameter, Round Aluminum Downspout.....	5.30	2.76
For Kynar 500® Finish, Add	1.04	
07 71 23 00-0051 LF 4" Diameter, Round Aluminum Downspout.....	5.84	2.76
For Kynar 500® Finish, Add	1.28	
07 71 23 00-0052 Rectangular Aluminum Downspouts (07 71 23 00-0048)		
07 71 23 00-0053 LF 2" x 3", Rectangular Aluminum Downspout	4.17	2.76
For Kynar 500® Finish, Add	0.53	
07 71 23 00-0054 LF 3" x 4", Rectangular Aluminum Downspout	4.86	2.76
For Kynar 500® Finish, Add	0.84	
07 71 23 00-0055 LF 4" x 5", Rectangular Aluminum Downspout	7.76	2.76
For Kynar 500® Finish, Add	2.15	
07 71 23 00-0056 Aluminum Devices (07 71 23 00-0001)		
07 71 23 00-0057 EA Thru-Wall Aluminum Scupper Outlet	101.94	17.18
For Kynar 500® Finish, Add	20.10	
07 71 23 00-0058 EA Aluminum Leader/Conductor Head.....	138.58	19.09
For Kynar 500® Finish, Add	45.18	
07 71 23 00-0059 Copper Gutters And Downspouts (07 71 23)		
07 71 23 00-0060 Copper Gutters (07 71 23 00-0059)		
Note: Includes drop outlets, hangers and fasteners. Excludes end caps, miters and downspouts.		
07 71 23 00-0061 K-Style Copper Gutters (07 71 23 00-0060)		
07 71 23 00-0062 LF 4", 16 Ounce, K-Style Copper Gutter.....	13.93	2.87
07 71 23 00-0063 LF 5", 16 Ounce, K-Style Copper Gutter.....	19.63	2.87
07 71 23 00-0064 LF 6", 16 Ounce, K-Style Copper Gutter.....	23.28	2.87
07 71 23 00-0065 LF 5", 20 Ounce, K-Style Copper Gutter.....	24.96	2.87
07 71 23 00-0066 LF 6", 20 Ounce, K-Style Copper Gutter.....	30.82	2.87
07 71 23 00-0067 LF 7", 20 Ounce, K-Style Copper Gutter.....	35.58	2.87
07 71 23 00-0068 LF 8", 20 Ounce, K-Style Copper Gutter.....	39.09	2.87
07 71 23 00-0069 Half Round Copper Gutters (07 71 23 00-0060)		
07 71 23 00-0070 LF 5", 16 Ounce, Half Round Copper Gutter	16.85	2.87
07 71 23 00-0071 LF 6", 16 Ounce, Half Round Copper Gutter	21.20	2.87
07 71 23 00-0072 LF 7", 16 Ounce, Half Round Copper Gutter	35.69	2.87
07 71 23 00-0073 LF 5", 20 Ounce, Half Round Copper Gutter	19.76	2.87
07 71 23 00-0074 LF 6", 20 Ounce, Half Round Copper Gutter	24.30	2.87
07 71 23 00-0075 LF 7", 20 Ounce, Half Round Copper Gutter	37.57	2.87
07 71 23 00-0076 LF 8", 20 Ounce, Half Round Copper Gutter	42.24	2.87
07 71 23 00-0077 Copper Gutter End Caps (07 71 23 00-0059)		
07 71 23 00-0078 K-Style, Copper Gutter End Caps (07 71 23 00-0077)		
07 71 23 00-0079 EA 4", K-Style Copper Gutter End Cap	5.45	
07 71 23 00-0080 EA 5", K-Style Copper Gutter End Cap	5.79	
07 71 23 00-0081 EA 6", K-Style Copper Gutter End Cap	6.14	
07 71 23 00-0082 EA 7", K-Style Copper Gutter End Cap	15.45	
07 71 23 00-0083 EA 8", K-Style Copper Gutter End Cap	18.72	
07 71 23 00-0084 Half Round, Copper Gutter End Caps (07 71 23 00-0077)		
07 71 23 00-0085 EA 4", Half Round Copper Gutter End Cap	6.48	
07 71 23 00-0086 EA 5", Half Round Copper Gutter End Cap	7.22	

07	Thermal And Moisture Protection
07 70	Roof And Wall Specialties And Accessories
07 71	Roof Specialties



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 23 00-0087	EA		6", Half Round Copper Gutter End Cap	10.62	
07 71 23 00-0088	EA		7", Half Round Copper Gutter End Cap	30.91	
07 71 23 00-0089	EA		8", Half Round Copper Gutter End Cap	36.41	
07 71 23 00-0090			Copper Gutter Miters (07 71 23 00-0059) Note: Inside or outside miters.		
07 71 23 00-0091			K-Style, Copper Gutter Miters (07 71 23 00-0090)		
07 71 23 00-0092	EA		4", K-Style Copper Gutter Miter	27.36	
07 71 23 00-0093	EA		5", K-Style Copper Gutter Miter	30.94	
07 71 23 00-0094	EA		6", K-Style Copper Gutter Miter	46.08	
07 71 23 00-0095	EA		7", K-Style Copper Gutter Miter	66.87	
07 71 23 00-0096	EA		8", K-Style Copper Gutter Miter	78.81	
07 71 23 00-0097			Half Round, Copper Gutter Miters (07 71 23 00-0090)		
07 71 23 00-0098	EA		4", Half Round Copper Gutter Miter	45.14	
07 71 23 00-0099	EA		5", Half Round Copper Gutter Miter	40.80	
07 71 23 00-0100	EA		6", Half Round Copper Gutter Miter	60.33	
07 71 23 00-0101	EA		7", Half Round Copper Gutter Miter	72.40	
07 71 23 00-0102	EA		8", Half Round Copper Gutter Miter	85.97	
07 71 23 00-0103			Copper Gutter Wire Strainers (07 71 23 00-0059)		
07 71 23 00-0104	EA		2" Diameter, Round Copper Wire Strainer	13.01	2.87
07 71 23 00-0105	EA		3" Diameter, Round Copper Wire Strainer	15.32	2.87
07 71 23 00-0106	EA		4" Diameter, Round Copper Wire Strainer	22.84	2.87
07 71 23 00-0107	EA		5" Diameter, Round Copper Wire Strainer	29.39	2.87
07 71 23 00-0108	EA		6" Diameter, Round Copper Wire Strainer	34.87	2.87
07 71 23 00-0109			Copper Downspouts (07 71 23 00-0059) Note: Includes elbows, hangers and fasteners.		
07 71 23 00-0110			Round Copper Downspouts (07 71 23 00-0109)		
07 71 23 00-0111	LF		2" Diameter, 16 Ounce, Round Copper Downspout	21.02	2.76
07 71 23 00-0112	LF		3" Diameter, 16 Ounce, Round Copper Downspout	14.87	2.76
07 71 23 00-0113	LF		4" Diameter, 16 Ounce, Round Copper Downspout	18.54	2.76
07 71 23 00-0114	LF		5" Diameter, 16 Ounce, Round Copper Downspout	29.19	2.76
07 71 23 00-0115	LF		6" Diameter, 16 Ounce, Round Copper Downspout	37.32	2.76
07 71 23 00-0116	LF		3" Diameter, 20 Ounce, Round Copper Downspout	19.85	2.76
07 71 23 00-0117	LF		4" Diameter, 20 Ounce, Round Copper Downspout	25.53	2.76
07 71 23 00-0118	LF		5" Diameter, 20 Ounce, Round Copper Downspout	38.42	2.76
07 71 23 00-0119			Square Copper Downspouts (07 71 23 00-0109)		
07 71 23 00-0120	LF		3" Diameter, 16 Ounce, Square Copper Downspout	10.52	2.76
07 71 23 00-0121	LF		4" Diameter, 16 Ounce, Square Copper Downspout	12.97	2.76
07 71 23 00-0122	LF		5" Diameter, 16 Ounce, Square Copper Downspout	18.24	2.76
07 71 23 00-0123	LF		3" Diameter, 20 Ounce, Square Copper Downspout	12.03	2.76
07 71 23 00-0124	LF		4" Diameter, 20 Ounce, Square Copper Downspout	15.08	2.76
07 71 23 00-0125	LF		5" Diameter, 20 Ounce, Square Copper Downspout	21.34	2.76
07 71 23 00-0126			Rectangular Copper Downspouts (07 71 23 00-0109)		
07 71 23 00-0127	LF		2" x 3", 16 Ounce, Rectangular Copper Downspout	15.24	2.76
07 71 23 00-0128	LF		3" x 4", 16 Ounce, Rectangular Copper Downspout	19.08	2.76
07 71 23 00-0129	LF		4" x 5", 16 Ounce, Rectangular Copper Downspout	26.83	2.76
07 71 23 00-0130	LF		2" x 3", 20 Ounce, Rectangular Copper Downspout	17.63	2.76
07 71 23 00-0131	LF		3" x 4", 20 Ounce, Rectangular Copper Downspout	22.39	2.76
07 71 23 00-0132	LF		4" x 5", 20 Ounce, Rectangular Copper Downspout	31.82	2.76
07 71 23 00-0133			Copper Devices And Accessories (07 71 23 00-0059)		
07 71 23 00-0134	EA		Thru-Wall Copper Scupper Outlet.....	159.89	17.18
07 71 23 00-0135	EA		Copper Leader/Conductor Head.....	233.53	19.09
07 71 23 00-0136	EA		Copper Eave Box.....	114.33	17.27
07 71 23 00-0137			Galvanized Steel Gutters And Downspouts (07 71 23)		
07 71 23 00-0138			Galvanized Steel Gutters (07 71 23 00-0137) Note: Includes drop outlets, hangers and fasteners. Excludes end caps, miters and downspouts.		
07 71 23 00-0139			K-Style Galvanized Steel Gutters (07 71 23 00-0138)		
07 71 23 00-0140	LF		5", 26 Gauge, K-Style Galvanized Steel Gutter	7.50	2.87
			For Kynar 500® Finish, Add	1.22	
07 71 23 00-0141	LF		6", 26 Gauge, K-Style Galvanized Steel Gutter	8.32	2.87
			For Kynar 500® Finish, Add	1.58	
07 71 23 00-0142	LF		7", 26 Gauge, K-Style Galvanized Steel Gutter	15.63	2.87
			For Kynar 500® Finish, Add	4.87	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 23 00-0143 LF 8", 24 Gauge, K-Style Galvanized Steel Gutter <i>For Kynar 500® Finish, Add</i>	16.04 5.06	2.87
07 71 23 00-0144 Half Round Galvanized Steel Gutters (07 71 23 00-0138)		
07 71 23 00-0145 LF 5", 26 Gauge, Half Round Galvanized Steel Gutter <i>For Kynar 500® Finish, Add</i>	10.28 2.47	2.87
07 71 23 00-0146 LF 6", 26 Gauge, Half Round Galvanized Steel Gutter <i>For Kynar 500® Finish, Add</i>	12.42 3.43	2.87
07 71 23 00-0147 LF 7", 26 Gauge, Half Round Galvanized Steel Gutter <i>For Kynar 500® Finish, Add</i>	29.08 10.93	2.87
07 71 23 00-0148 LF 8", 26 Gauge, Half Round Galvanized Steel Gutter <i>For Kynar 500® Finish, Add</i>	30.58 11.60	2.87
07 71 23 00-0149 Box Style Galvanized Steel Gutters (07 71 23 00-0138)		
07 71 23 00-0150 LF 5", 24 Gauge, Box Style Galvanized Steel Gutter <i>For Kynar 500® Finish, Add</i> <i>For 22 Gauge, Add</i>	11.53 3.03 1.01	2.87
07 71 23 00-0151 LF 6", 24 Gauge, Box Style Galvanized Steel Gutter <i>For Kynar 500® Finish, Add</i> <i>For 22 Gauge, Add</i>	13.03 3.70 1.23	2.87
07 71 23 00-0152 LF 7", 24 Gauge, Box Style Galvanized Steel Gutter <i>For Kynar 500® Finish, Add</i> <i>For 22 Gauge, Add</i>	16.70 5.36 1.79	2.87
07 71 23 00-0153 LF 8", 24 Gauge, Box Style Galvanized Steel Gutter <i>For Kynar 500® Finish, Add</i> <i>For 22 Gauge, Add</i>	17.72 5.81 1.94	2.87
07 71 23 00-0154 Galvanized Steel Gutter End Caps (07 71 23 00-0137)		
07 71 23 00-0155 K-Style, Galvanized Steel Gutter End Caps (07 71 23 00-0154)		
07 71 23 00-0156 EA 5", K-Style Galvanized Steel Gutter End Cap <i>For Kynar 500® Finish, Add</i>	3.91 0.72	
07 71 23 00-0157 EA 6", K-Style Galvanized Steel Gutter End Cap <i>For Kynar 500® Finish, Add</i>	4.34 0.92	
07 71 23 00-0158 EA 7", K-Style Galvanized Steel Gutter End Cap <i>For Kynar 500® Finish, Add</i>	8.11 2.61	
07 71 23 00-0159 EA 8", K-Style Galvanized Steel Gutter End Cap <i>For Kynar 500® Finish, Add</i>	11.27 4.04	
07 71 23 00-0160 Half Round, Galvanized Steel Gutter End Caps (07 71 23 00-0154)		
07 71 23 00-0161 EA 5", Half Round Galvanized Steel Gutter End Cap <i>For Kynar 500® Finish, Add</i>	4.72 1.09	
07 71 23 00-0162 EA 6", Half Round Galvanized Steel Gutter End Cap <i>For Kynar 500® Finish, Add</i>	5.26 1.33	
07 71 23 00-0163 EA 7", Half Round Galvanized Steel Gutter End Cap <i>For Kynar 500® Finish, Add</i>	8.84 2.94	
07 71 23 00-0164 EA 8", Half Round Galvanized Steel Gutter End Cap <i>For Kynar 500® Finish, Add</i>	11.55 4.16	
07 71 23 00-0165 Box Style, Galvanized Steel Gutter End Caps (07 71 23 00-0154)		
07 71 23 00-0166 EA 5", Box Style Galvanized Steel Gutter End Cap <i>For Kynar 500® Finish, Add</i>	7.57 2.37	
07 71 23 00-0167 EA 6", Box Style Galvanized Steel Gutter End Cap <i>For Kynar 500® Finish, Add</i>	8.89 2.97	
07 71 23 00-0168 EA 7", Box Style Galvanized Steel Gutter End Cap <i>For Kynar 500® Finish, Add</i>	9.82 3.38	
07 71 23 00-0169 EA 8", Box Style Galvanized Steel Gutter End Cap <i>For Kynar 500® Finish, Add</i>	12.78 4.72	
07 71 23 00-0170 Galvanized Steel Gutter Miters (07 71 23 00-0137)		
Note: Inside or outside miters.		
07 71 23 00-0171 K-Style, Galvanized Steel Gutter Miters (07 71 23 00-0170)		
07 71 23 00-0172 EA 5", K-Style Galvanized Steel Gutter Miter <i>For Kynar 500® Finish, Add</i>	14.98 4.93	
07 71 23 00-0173 EA 6", K-Style Galvanized Steel Gutter Miter <i>For Kynar 500® Finish, Add</i>	24.98 9.43	
07 71 23 00-0174 EA 7", K-Style Galvanized Steel Gutter Miter <i>For Kynar 500® Finish, Add</i>	40.88 16.58	
07 71 23 00-0175 EA 8", K-Style Galvanized Steel Gutter Miter <i>For Kynar 500® Finish, Add</i>	45.81 18.80	
07 71 23 00-0176 Half Round, Galvanized Steel Gutter Miters (07 71 23 00-0170)		
07 71 23 00-0177 EA 5", Half Round Galvanized Steel Gutter Miter <i>For Kynar 500® Finish, Add</i>	21.17 7.71	

07	Thermal And Moisture Protection
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MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 23 00-0178	EA		6", Half Round Galvanized Steel Gutter Miter..... <i>For Kynar 500® Finish, Add</i>	23.61 8.81	
07 71 23 00-0179	EA		7", Half Round Galvanized Steel Gutter Miter..... <i>For Kynar 500® Finish, Add</i>	70.62 29.97	
07 71 23 00-0180	EA		8", Half Round Galvanized Steel Gutter Miter..... <i>For Kynar 500® Finish, Add</i>	74.32 31.63	
07 71 23 00-0181			Box Style, Galvanized Steel Gutter Miters (07 71 23 00-0170)		
07 71 23 00-0182	EA		5", Box Style Galvanized Steel Gutter Miter..... <i>For Kynar 500® Finish, Add</i>	19.93 7.16	
07 71 23 00-0183	EA		6", Box Style Galvanized Steel Gutter Miter..... <i>For Kynar 500® Finish, Add</i>	33.17 13.11	
07 71 23 00-0184	EA		7", Box Style Galvanized Steel Gutter Miter..... <i>For Kynar 500® Finish, Add</i>	43.34 17.69	
07 71 23 00-0185	EA		8", Box Style Galvanized Steel Gutter Miter..... <i>For Kynar 500® Finish, Add</i>	45.81 18.80	
07 71 23 00-0186			Galvanized Steel Gutter Wire Strainers (07 71 23 00-0137)		
07 71 23 00-0187	EA		3" Diameter, Round Galvanized Steel Wire Strainer..... <i>For Kynar 500® Finish, Add</i>	9.69 1.66	2.87
07 71 23 00-0188	EA		4" Diameter, Round Galvanized Steel Wire Strainer..... <i>For Kynar 500® Finish, Add</i>	12.83 3.07	2.87
07 71 23 00-0189			Galvanized Steel Downspouts (07 71 23 00-0137) Note: Includes elbows, hangers and fasteners.		
07 71 23 00-0190			Round Galvanized Steel Downspouts (07 71 23 00-0189)		
07 71 23 00-0191	LF		3" Diameter, 26 Gauge, Round Galvanized Steel Downspout..... <i>For Kynar 500® Finish, Add</i>	4.96 0.89	2.76
07 71 23 00-0192	LF		4" Diameter, 26 Gauge, Round Galvanized Steel Downspout..... <i>For Kynar 500® Finish, Add</i>	5.80 1.26	2.76
07 71 23 00-0193	LF		5" Diameter, 26 Gauge, Round Galvanized Steel Downspout..... <i>For Kynar 500® Finish, Add</i>	7.36 1.97	2.76
07 71 23 00-0194	LF		6" Diameter, 26 Gauge, Round Galvanized Steel Downspout..... <i>For Kynar 500® Finish, Add</i>	14.56 5.21	2.76
07 71 23 00-0195			Square Galvanized Steel Downspouts (07 71 23 00-0189)		
07 71 23 00-0196	LF		4" x 4", 26 Gauge, Square Galvanized Steel Downspout <i>For Kynar 500® Finish, Add</i>	5.43 1.10	2.76
07 71 23 00-0197	LF		5" x 5", 26 Gauge, Square Galvanized Steel Downspout <i>For Kynar 500® Finish, Add</i>	6.54 1.60	2.76
07 71 23 00-0198			Rectangular Galvanized Steel Downspouts (07 71 23 00-0189)		
07 71 23 00-0199	LF		2" x 3", 26 Gauge, Rectangular Galvanized Steel Downspout..... <i>For Kynar 500® Finish, Add</i>	5.02 0.91	2.76
07 71 23 00-0200	LF		3" x 4", 26 Gauge, Rectangular Galvanized Steel Downspout..... <i>For Kynar 500® Finish, Add</i>	6.00 1.35	2.76
07 71 23 00-0201	LF		4" x 5", 26 Gauge, Rectangular Galvanized Steel Downspout..... <i>For Kynar 500® Finish, Add</i>	9.86 3.09	2.76
07 71 23 00-0202			Galvanized Steel Devices (07 71 23 00-0137)		
07 71 23 00-0203	EA		Galvanized Steel Leader/Conductor Head..... <i>For Kynar 500® Finish, Add</i>	163.98 56.61	19.09
07 71 23 00-0204	EA		Thru-Wall Galvanized Steel Scupper Outlet <i>For Kynar 500® Finish, Add</i>	103.97 21.01	17.18
07 71 23 00-0205			Stainless Steel Gutters And Downspouts (07 71 23) Note: AISI type 304 stainless steel.		
07 71 23 00-0206			Stainless Steel Gutters (07 71 23 00-0205) Note: Includes drop outlets, hangers and fasteners. Excludes end caps, miters and downspouts.		
07 71 23 00-0207			K-Style Stainless Steel Gutters (07 71 23 00-0206)		
07 71 23 00-0208	LF		5", 0.018" Thick, K-Style Stainless Steel Gutter.....	16.89	2.87
07 71 23 00-0209	LF		6", 0.018" Thick, K-Style Stainless Steel Gutter.....	19.91	2.87
07 71 23 00-0210			Half Round Stainless Steel Gutters (07 71 23 00-0206)		
07 71 23 00-0211	LF		5", 0.018" Thick, Half Round Stainless Steel Gutter	23.10	2.87
07 71 23 00-0212	LF		6", 0.018" Thick, Half Round Stainless Steel Gutter	27.64	2.87
07 71 23 00-0213			Stainless Steel Gutter End Caps (07 71 23 00-0205)		
07 71 23 00-0214			K-Style, Stainless Steel Gutter End Caps (07 71 23 00-0213)		
07 71 23 00-0215	EA		5", K-Style Stainless Steel Gutter End Cap.....	6.08	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 23 00-0216 EA 6", K-Style Stainless Steel Gutter End Cap	6.84	
07 71 23 00-0217 Half Round, Stainless Steel Gutter End Caps (07 71 23 00-0213)		
07 71 23 00-0218 EA 5", Half Round Stainless Steel Gutter End Cap	7.03	
07 71 23 00-0219 EA 6", Half Round Stainless Steel Gutter End Cap	7.97	
07 71 23 00-0220 Stainless Steel Gutter Miters (07 71 23 00-0205) Note: Inside or outside box miters.		
07 71 23 00-0221 K-Style, Stainless Steel Gutter Miters (07 71 23 00-0220)		
07 71 23 00-0222 EA 5", K-Style Stainless Steel Gutter Miter	23.56	
07 71 23 00-0223 EA 6", K-Style Stainless Steel Gutter Miter	38.69	
07 71 23 00-0224 Half Round, Stainless Steel Gutter Miters (07 71 23 00-0220)		
07 71 23 00-0225 EA 5", Half Round Stainless Steel Gutter Miter	61.37	
07 71 23 00-0226 EA 6", Half Round Stainless Steel Gutter Miter	75.21	
07 71 23 00-0227 Stainless Steel Gutter Wire Strainers (07 71 23 00-0205)		
07 71 23 00-0228 EA 3" Diameter, Round Stainless Steel Wire Strainer	25.85	2.87
07 71 23 00-0229 EA 4" Diameter, Round Stainless Steel Wire Strainer	26.39	2.87
07 71 23 00-0230 Stainless Steel Downspouts (07 71 23 00-0205) Note: Includes elbows, hangers and fasteners.		
07 71 23 00-0231 Round Stainless Steel Downspouts (07 71 23 00-0230)		
07 71 23 00-0232 LF 3" Diameter, 0.018" Thick, Round Stainless Steel Downspout	15.98	2.76
07 71 23 00-0233 LF 4" Diameter, 0.018" Thick, Round Stainless Steel Downspout	27.78	2.76
07 71 23 00-0234 LF 5" Diameter, 0.018" Thick, Round Stainless Steel Downspout	42.22	2.76
07 71 23 00-0235 Rectangular Stainless Steel Downspouts (07 71 23 00-0230)		
07 71 23 00-0236 LF 2" x 3", 0.018" Thick, Rectangular Stainless Steel Downspout	11.02	2.76
07 71 23 00-0237 LF 3" x 4", 0.018" Thick, Rectangular Stainless Steel Downspout	14.28	2.76
07 71 23 00-0238 LF 4" x 5", 0.018" Thick, Rectangular Stainless Steel Downspout	33.47	2.76
07 71 23 00-0239 Stainless Steel Devices (07 71 23 00-0205)		
07 71 23 00-0240 EA Thru-Wall Stainless Steel Scupper Outlet	206.77	25.90
07 71 23 00-0241 EA Stainless Steel Leader/Conductor Head	233.68	25.90
07 71 23 00-0242 Vinyl Gutters And Downspouts (07 71 23)		
07 71 23 00-0243 Vinyl Gutters (07 71 23 00-0242) Note: Includes drop outlets, hangers and fasteners. Excludes end caps, miters and downspouts.		
07 71 23 00-0244 K-Style Vinyl Gutters (07 71 23 00-0243)		
07 71 23 00-0245 LF 4", K-Style Vinyl Gutter	8.13	2.87
07 71 23 00-0246 LF 5", K-Style Vinyl Gutter	9.85	2.87
07 71 23 00-0247 Half Round Vinyl Gutters (07 71 23 00-0243)		
07 71 23 00-0248 LF 4", Half Round Vinyl Gutter	8.33	2.87
07 71 23 00-0249 LF 5", Half Round Vinyl Gutter	8.64	2.87
07 71 23 00-0250 Vinyl Gutter End Caps (07 71 23 00-0242)		
07 71 23 00-0251 K-Style, Vinyl Gutter End Caps (07 71 23 00-0250)		
07 71 23 00-0252 EA 4", K-Style Vinyl Gutter End Cap	4.72	
07 71 23 00-0253 EA 5", K-Style Vinyl Gutter End Cap	6.14	
07 71 23 00-0254 Half Round, Vinyl Gutter End Caps (07 71 23 00-0250)		
07 71 23 00-0255 EA 4", Half Round Vinyl Gutter End Cap	5.24	
07 71 23 00-0256 EA 5", Half Round Vinyl Gutter End Cap	5.01	
07 71 23 00-0257 Vinyl Gutter Miters (07 71 23 00-0242) Note: Inside or outside miters.		
07 71 23 00-0258 K-Style, Vinyl Gutter Miters (07 71 23 00-0257)		
07 71 23 00-0259 EA 4", K-Style Vinyl Gutter Miter	10.98	
07 71 23 00-0260 EA 5", K-Style Vinyl Gutter Miter	15.58	

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MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 23 00-0261			Half Round, Vinyl Gutter Miters (07 71 23 00-0257)		
07 71 23 00-0262	EA		4", Half Round Vinyl Gutter Miter	10.98	
07 71 23 00-0263	EA		5", Half Round Vinyl Gutter Miter	11.77	
07 71 23 00-0264			Vinyl Downspouts (07 71 23 00-0242) Note: Includes elbows, hangers and fasteners.		
07 71 23 00-0265			Round Vinyl Downspouts (07 71 23 00-0264)		
07 71 23 00-0266	LF		2-1/2" Diameter, Round Vinyl Downspout.....	5.27	2.76
07 71 23 00-0267	LF		3" Diameter, Round Vinyl Downspout.....	5.43	2.76
07 71 23 00-0268			Square Vinyl Downspouts (07 71 23 00-0264)		
07 71 23 00-0269	LF		2-1/2", Square Vinyl Downspout	5.20	2.76
07 71 23 00-0270			Rectangular Vinyl Downspouts (07 71 23 00-0264)		
07 71 23 00-0271	LF		2" x 3", Rectangular Vinyl Downspout.....	6.27	2.76
07 71 23 00-0272			Gutter And Downspout Boots (07 71 23)		
07 71 23 00-0273			Cast Iron Roof Drainage Downspout Boots (07 71 23 00-0272)		
07 71 23 00-0274	EA		2" x 3" x 18" Long, Cast Iron Roof Drainage Downspout Boot.....	171.03	4.14
07 71 23 00-0275	EA		3" x 4" x 18" Long, Cast Iron Roof Drainage Downspout Boot.....	222.42	4.14
07 71 23 00-0276	EA		4" x 5" x 24" Long, Cast Iron Roof Drainage Downspout Boot.....	265.14	4.14
07 71 23 00-0277			Cast Iron Roof Drainage Downspout Boots With Cleanouts (07 71 23 00-0272)		
07 71 23 00-0278	EA		3" x 4" x 18" Long, Cast Iron Roof Drainage Downspout Boot With Cleanout	291.06	4.14
07 71 23 00-0279	EA		4" x 5" x 24" Long, Cast Iron Roof Drainage Downspout Boot With Cleanout	355.20	4.14
07 71 23 00-0280	EA		5" x 7" x 30" Long, Cast Iron Roof Drainage Downspout Boot With Cleanout	643.18	4.14
07 71 23 00-0281			Wall Mounted Downspout Covers With Hinged Perforated Cover (07 71 23)		
07 71 23 00-0282	EA		3" Pipe Size, Type 304 Stainless Steel Downspout Cover With Hinged Perforated Cover (JR Smith 1775-03).....	602.87	27.70
			For Polished Brass Finish (-PB), Add	54.75	
			For Chrome Plated Finish (-CP), Add	82.12	
			For Vandal Proof (-U), Add	27.37	
07 71 23 00-0283	EA		4" Pipe Size, Type 304 Stainless Steel Downspout Cover With Hinged Perforated Cover (JR Smith 1775-04).....	621.34	36.92
			For Polished Brass Finish (-PB), Add	54.75	
			For Chrome Plated Finish (-CP), Add	82.12	
			For Vandal Proof (-U), Add	27.37	
07 71 23 00-0284	EA		6" Pipe Size, Type 304 Stainless Steel Downspout Cover With Hinged Perforated Cover (JR Smith 1775-06).....	671.28	46.52
			For Polished Brass Finish (-PB), Add	57.82	
			For Chrome Plated Finish (-CP), Add	86.73	
			For Vandal Proof (-U), Add	28.91	
07 71 23 00-0285	EA		8" Pipe Size, Type 304 Stainless Steel Downspout Cover With Hinged Perforated Cover (JR Smith 1775-08).....	723.54	58.73
			For Polished Brass Finish (-PB), Add	60.61	
			For Chrome Plated Finish (-CP), Add	90.91	
			For Vandal Proof (-U), Add	30.30	
07 71 23 00-0286	EA		10" Pipe Size, Type 304 Stainless Steel Downspout Cover With Hinged Perforated Cover (JR Smith 1775-10).....	786.04	72.37
			For Polished Brass Finish (-PB), Add	64.13	
			For Chrome Plated Finish (-CP), Add	96.20	
			For Vandal Proof (-U), Add	32.07	
07 71 23 00-0287	EA		12" Pipe Size, Type 304 Stainless Steel Downspout Cover With Hinged Perforated Cover (JR Smith 1775-12).....	882.32	101.03
			For Polished Brass Finish (-PB), Add	68.03	
			For Chrome Plated Finish (-CP), Add	102.04	
			For Vandal Proof (-U), Add	34.01	
07 71 23 00-0288	EA		15" Pipe Size, Type 304 Stainless Steel Downspout Cover With Hinged Perforated Cover (JR Smith 1775-15).....	999.69	140.50
			For Polished Brass Finish (-PB), Add	71.87	
			For Chrome Plated Finish (-CP), Add	107.80	
			For Vandal Proof (-U), Add	35.93	
07 71 23 00-0289			Wall Mounted Downspout Nozzle (07 71 23)		
07 71 23 00-0290	EA		3" Pipe Size, Rough Bronze Finish Downspout Nozzle (JR Smith 1770-03)	173.57	27.70
			For Nickel Bronze Finish (-NB), Add	82.73	
			For Polished Bronze Finish (-PB), Add	65.00	
			For Chrome Plated Finish (-CP), Add	105.19	
07 71 23 00-0291	EA		4" Pipe Size, Rough Bronze Finish Downspout Nozzle (JR Smith 1770-04)	192.04	36.92
			For Nickel Bronze Finish (-NB), Add	82.73	
			For Polished Bronze Finish (-PB), Add	65.00	
			For Chrome Plated Finish (-CP), Add	105.19	
07 71 23 00-0292	EA		6" Pipe Size, Rough Bronze Finish Downspout Nozzle (JR Smith 1770-06)	373.42	46.52
			For Nickel Bronze Finish (-NB), Add	84.11	
			For Polished Bronze Finish (-PB), Add	47.66	
			For Chrome Plated Finish (-CP), Add	123.36	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 23 00-0293 EA 8" Pipe Size, Rough Bronze Finish Downspout Nozzle (JR Smith 1770-08)	543.07	58.73
For Nickel Bronze Finish (-NB), Add	72.35	
For Polished Bronze Finish (-PB), Add	55.33	
For Chrome Plated Finish (-CP), Add	123.42	
07 71 23 00-0294 EA 10" Pipe Size, Rough Bronze Finish Downspout Nozzle (JR Smith 1770-10)	697.26	72.37
For Nickel Bronze Finish (-NB), Add	93.93	
For Polished Bronze Finish (-PB), Add	71.83	
For Chrome Plated Finish (-CP), Add	160.23	
07 71 23 00-0295 EA 12" Pipe Size, Rough Bronze Finish Downspout Nozzle (JR Smith 1770-12)	897.16	101.03
For Nickel Bronze Finish (-NB), Add	118.17	
For Polished Bronze Finish (-PB), Add	90.36	
For Chrome Plated Finish (-CP), Add	201.58	
07 71 23 00-0296 Leaf Guards And Cleaning (07 71 23)		
07 71 23 00-0297 LF Aluminum Mesh Gutter Leaf Guard	1.98	0.72
07 71 23 00-0298 LF Vinyl Mesh Gutter Leaf Guard	2.04	0.72
07 71 23 00-0299 LF 6" Wide Stainless Steel Gutter Leaf Guard, 1/4" x 1/4" x 0.08" Wire	11.52	0.90
07 71 23 00-0300 LF 9" Wide Stainless Steel Gutter Leaf Guard, 1/4" x 1/4" x 0.08" Wire	16.38	0.90
07 71 23 00-0301 LF 6" Wide Stainless Steel Gutter Leaf Guard, 3/8" x 3/8" Mesh	8.77	0.90
07 71 23 00-0302 LF 9" Wide Stainless Steel Gutter Leaf Guard, 3/8" x 3/8" Mesh	13.43	0.90
07 71 23 00-0303 EA Cleanout Roof Drain	109.54	
Note: Includes removing dome and flushing.		
07 71 23 00-0304 LF Clean Gutters And Downspouts.....	1.41	
07 71 26 Reglets (07 71)		
07 71 26 00-0001 Counter Flashing With Reglet (07 71 26)		
Note: Includes reglet cut.		
07 71 26 00-0002 Galvanized Steel Counter Flashing With Reglet (07 71 26 00-0001)		
07 71 26 00-0003 Galvanized Steel Counter Flashing With Reglet (07 71 26 00-0002)		
07 71 26 00-0004 LF 28 Gauge, Up To 12" Wide, Galvanized Steel Counter Flashing With Reglet	9.45	3.39
07 71 26 00-0005 LF 26 Gauge, Up To 12" Wide, Galvanized Steel Counter Flashing With Reglet	9.52	3.39
07 71 26 00-0006 LF 24 Gauge, Up To 12" Wide, Galvanized Steel Counter Flashing With Reglet	9.65	3.39
07 71 26 00-0007 LF 22 Gauge, Up To 12" Wide, Galvanized Steel Counter Flashing With Reglet	10.13	3.39
07 71 26 00-0008 LF 20 Gauge, Up To 12" Wide, Galvanized Steel Counter Flashing With Reglet	10.40	3.39
07 71 26 00-0009 LF 18 Gauge, Up To 12" Wide, Galvanized Steel Counter Flashing With Reglet	10.71	3.39
07 71 26 00-0010 KYNAR 500® Finish, Galvanized Steel Counter Flashing With Reglet (07 71 26 00-0002)		
07 71 26 00-0011 LF 28 Gauge, Up To 12" Wide, KYNAR 500® Finish, Galvanized Steel Counter Flashing With Reglet.....	10.64	3.39
07 71 26 00-0012 LF 26 Gauge, Up To 12" Wide, KYNAR 500® Finish, Galvanized Steel Counter Flashing With Reglet	10.74	3.39
07 71 26 00-0013 LF 24 Gauge, Up To 12" Wide, KYNAR 500® Finish, Galvanized Steel Counter Flashing With Reglet.....	10.93	3.39
07 71 26 00-0014 LF 22 Gauge, Up To 12" Wide, KYNAR 500® Finish, Galvanized Steel Counter Flashing With Reglet.....	11.62	3.39
07 71 26 00-0015 LF 20 Gauge, Up To 12" Wide, KYNAR 500® Finish, Galvanized Steel Counter Flashing With Reglet	12.02	3.39
07 71 26 00-0016 LF 18 Gauge, Up To 12" Wide, KYNAR 500® Finish, Galvanized Steel Counter Flashing With Reglet.....	12.48	3.39
07 71 26 00-0017 Aluminum Counter Flashing With Reglet (07 71 26 00-0001)		
07 71 26 00-0018 KYNAR 500® Finish, Aluminum Counter Flashing With Reglet (07 71 26 00-0017)		
07 71 26 00-0019 LF 0.019" Thick, Up To 12" Wide, KYNAR 500® Finish, Aluminum Counter Flashing With Reglet.....	10.37	3.39
07 71 26 00-0020 LF 0.025" Thick, Up To 12" Wide, KYNAR 500® Finish, Aluminum Counter Flashing With Reglet	10.93	3.39
07 71 26 00-0021 LF 0.032" Thick, Up To 12" Wide, KYNAR 500® Finish, Aluminum Counter Flashing With Reglet	11.50	3.39
07 71 26 00-0022 LF 0.040" Thick, Up To 12" Wide, KYNAR 500® Finish, Aluminum Counter Flashing With Reglet.....	11.91	3.39
07 71 26 00-0023 LF 0.050" Thick, Up To 12" Wide, KYNAR 500® Finish, Aluminum Counter Flashing With Reglet	12.81	3.39
07 71 26 00-0024 LF 0.063" Thick, Up To 12" Wide, KYNAR 500® Finish, Aluminum Counter Flashing With Reglet.....	14.13	3.39
07 71 26 00-0025 Mill Finish, Aluminum Counter Flashing With Reglet (07 71 26 00-0017)		
07 71 26 00-0026 LF 0.019" Thick, Up To 12" Wide, Mill Finish, Aluminum Counter Flashing With Reglet	9.08	3.39
07 71 26 00-0027 LF 0.025" Thick, Up To 12" Wide, Mill Finish, Aluminum Counter Flashing With Reglet	9.44	3.39
07 71 26 00-0028 LF 0.032" Thick, Up To 12" Wide, Mill Finish, Aluminum Counter Flashing With Reglet	9.80	3.39
07 71 26 00-0029 LF 0.040" Thick, Up To 12" Wide, Mill Finish, Aluminum Counter Flashing With Reglet	10.06	3.39
07 71 26 00-0030 LF 0.050" Thick, Up To 12" Wide, Mill Finish, Aluminum Counter Flashing With Reglet	10.64	3.39
07 71 26 00-0031 LF 0.063" Thick, Up To 12" Wide, Mill Finish, Aluminum Counter Flashing With Reglet	11.48	3.39
07 71 26 00-0032 Clear Anodized Finish, Aluminum Counter Flashing With Reglet (07 71 26 00-0017)		
07 71 26 00-0033 LF 0.019" Thick, Up To 12" Wide, Clear Anodized Finish, Aluminum Counter Flashing With Reglet	10.11	3.39
07 71 26 00-0034 LF 0.025" Thick, Up To 12" Wide, Clear Anodized Finish, Aluminum Counter Flashing With Reglet	10.63	3.39
07 71 26 00-0035 LF 0.032" Thick, Up To 12" Wide, Clear Anodized Finish, Aluminum Counter Flashing With Reglet	11.15	3.39
07 71 26 00-0036 LF 0.040" Thick, Up To 12" Wide, Clear Anodized Finish, Aluminum Counter Flashing With Reglet	11.53	3.39
07 71 26 00-0037 LF 0.050" Thick, Up To 12" Wide, Clear Anodized Finish, Aluminum Counter Flashing With Reglet	12.37	3.39
07 71 26 00-0038 LF 0.063" Thick, Up To 12" Wide, Clear Anodized Finish, Aluminum Counter Flashing With Reglet	13.59	3.39
07 71 26 00-0039 Stainless Steel Counter Flashing With Reglet (07 71 26 00-0001)		

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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 26 00-0040 Stainless Steel Counter Flashing With Reglet <small>(07 71 26 00-0039)</small>		
07 71 26 00-0041 LF 24 Gauge, Up To 12" Wide, Stainless Steel Counter Flashing With Reglet.....	13.32	3.39
07 71 26 00-0042 LF 20 Gauge, Up To 12" Wide, Stainless Steel Counter Flashing With Reglet.....	14.48	3.39
07 71 26 00-0043 Copper Counter Flashing With Reglet <small>(07 71 26 00-0001)</small>		
07 71 26 00-0044 Copper Counter Flashing With Reglet <small>(07 71 26 00-0043)</small>		
07 71 26 00-0045 LF 16 Ounce, Up To 12" Wide, Copper Counter Flashing With Reglet.....	23.96	3.39
07 72 Roof Accessories <small>(07 70)</small>		
07 72 13 Manufactured Curbs <small>(07 72)</small>		
07 72 13 00-0001 Insulated Galvanized Steel, Prefabricated Roof Curbs <small>(07 72 13)</small>		
07 72 13 00-0002 Insulated Galvanized Steel, Prefabricated Roof Curbs <small>(07 72 13 00-0001)</small>		
Note: Includes pressure treated wood nailer, 1-1/2" rigid foam insulation, mill finish galvanized steel exterior wall construction, painted galvanized steel interior wall construction, installation clips and 3/16" wire mesh, 6" x 6" grids, safety security guard with installation clips.		
07 72 13 00-0003 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curbs <small>(07 72 13 00-0002)</small>		
07 72 13 00-0004 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curbs <small>(07 72 13 00-0003)</small>		
07 72 13 00-0005 EA 26" x 26" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	302.55	80.78
<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>		
<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>		
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>		
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>		
<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>		
07 72 13 00-0006 EA 26" x 38" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	308.55	80.78
<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>		
<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>		
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>		
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>		
<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>		
07 72 13 00-0007 EA 26" x 50" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	331.75	90.87
<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>		
<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>		
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>		
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>		
<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>		
07 72 13 00-0008 EA 26" x 74" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	354.75	90.87
<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>		
<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>		
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>		
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>		
<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>		
07 72 13 00-0009 EA 26" x 98" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	371.75	90.87
<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>		
<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>		
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>		
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>		
<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>		
07 72 13 00-0010 EA 26" x 122" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	459.94	100.97
<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>		
<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>		
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>		
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>		
<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>		
07 72 13 00-0011 EA 38" x 38" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	310.55	80.78
<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>		
<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>		
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>		
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>		
<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>		
07 72 13 00-0012 EA 38" x 50" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	332.75	90.87
<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>		
<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>		
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>		
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>		
<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>		
07 72 13 00-0013 EA 38" x 62" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	345.75	90.87
<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>		
<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>		
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>		
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>		
<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>		
07 72 13 00-0014 EA 38" x 74" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	350.75	90.87
<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>		
<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>		
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>		
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>		
<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 13 00-0015 EA 38" x 98" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	443.94	100.97
<i>For Sloped Roofs Up To 1 In 12 To 3 In 12 Pitch, Add</i>	34.30	
<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	78.69	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	12.00	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	65.00	
<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	85.00	
07 72 13 00-0016 EA 38" x 122" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	485.14	111.07
<i>For Sloped Roofs Up To 1 In 12 To 3 In 12 Pitch, Add</i>	37.41	
<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	85.92	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	14.70	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	75.70	
<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	99.70	
07 72 13 00-0017 EA 50" x 50" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	378.75	90.87
<i>For Sloped Roofs Up To 1 In 12 To 3 In 12 Pitch, Add</i>	28.79	
<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	66.66	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	8.10	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	52.10	
<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	63.10	
07 72 13 00-0018 EA 50" x 62" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	411.94	100.97
<i>For Sloped Roofs Up To 1 In 12 To 3 In 12 Pitch, Add</i>	31.10	
<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	72.29	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	9.75	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	50.75	
<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	70.75	
07 72 13 00-0019 EA 50" x 74" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	422.94	100.97
<i>For Sloped Roofs Up To 1 In 12 To 3 In 12 Pitch, Add</i>	32.20	
<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	74.49	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	11.55	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	46.55	
<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	80.55	
07 72 13 00-0020 EA 50" x 86" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	464.14	111.07
<i>For Sloped Roofs Up To 1 In 12 To 3 In 12 Pitch, Add</i>	35.31	
<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	81.72	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	13.50	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	58.50	
<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	90.50	
07 72 13 00-0021 EA 51" x 99" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	496.34	121.17
<i>For Sloped Roofs Up To 1 In 12 To 3 In 12 Pitch, Add</i>	37.52	
<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	87.15	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	15.45	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	71.45	
<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	96.45	
07 72 13 00-0022 EA 51" x 122" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	536.52	131.27
<i>For Sloped Roofs Up To 1 In 12 To 3 In 12 Pitch, Add</i>	40.53	
<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	94.18	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	18.60	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	81.60	
<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	115.60	
07 72 13 00-0023 EA 62" x 62" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	422.94	100.97
<i>For Sloped Roofs Up To 1 In 12 To 3 In 12 Pitch, Add</i>	32.20	
<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	74.49	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	12.30	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	45.30	
<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	83.30	
07 72 13 00-0024 EA 62-3/8" x 74-3/8" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	453.14	111.07
<i>For Sloped Roofs Up To 1 In 12 To 3 In 12 Pitch, Add</i>	34.21	
<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	79.52	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	14.10	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	63.10	
<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	94.10	
07 72 13 00-0025 EA 62" x 86" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	495.34	121.17
<i>For Sloped Roofs Up To 1 In 12 To 3 In 12 Pitch, Add</i>	37.42	
<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	86.95	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	18.30	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	67.30	
<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	96.30	
07 72 13 00-0026 EA 62" x 98" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	505.34	121.17
<i>For Sloped Roofs Up To 1 In 12 To 3 In 12 Pitch, Add</i>	38.42	
<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	88.95	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	18.30	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	67.30	
<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	117.30	
07 72 13 00-0027 EA 62" x 122" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	547.52	131.27
<i>For Sloped Roofs Up To 1 In 12 To 3 In 12 Pitch, Add</i>	41.63	
<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	96.38	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	23.10	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	73.10	
<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	137.10	

07 72 13 00-0028 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof
Curbs (07 72 13 00-0003)

07	Thermal And Moisture Protection
07 70	Roof And Wall Specialties And Accessories
07 72	Roof Accessories



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 13 00-0029 EA 26" x 26" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb .....315.55 <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> 23.48 <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> 55.03 <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> 3.30 <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> 24.30 <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i> 35.30		80.78
07 72 13 00-0030 EA 26" x 38" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb .....318.55 <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> 23.78 <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> 55.63 <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> 4.05 <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> 32.05 <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i> 42.05		80.78
07 72 13 00-0031 EA 26" x 50" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb .....341.75 <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> 25.09 <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> 59.26 <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> 4.95 <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> 39.95 <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i> 46.95		90.87
07 72 13 00-0032 EA 26" x 74" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb .....367.75 <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> 27.69 <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> 64.46 <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> 6.60 <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> 51.60 <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i> 58.60		90.87
07 72 13 00-0033 EA 26" x 98" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb .....386.75 <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> 29.59 <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> 68.26 <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> 9.15 <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> 58.15 <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i> 64.15		90.87
07 72 13 00-0034 EA 26" x 122" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb .....471.94 <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> 37.10 <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> 84.29 <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> 10.95 <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> 55.95 <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i> 74.95		100.97
07 72 13 00-0035 EA 38" x 38" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb .....319.55 <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> 23.88 <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> 55.83 <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> 5.25 <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> 45.25 <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i> 63.25		80.78
07 72 13 00-0036 EA 38" x 50" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb .....359.75 <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> 26.89 <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> 62.86 <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> 6.30 <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> 48.30 <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i> 65.30		90.87
07 72 13 00-0037 EA 38" x 62" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb .....379.75 <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> 28.89 <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> 66.86 <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> 7.80 <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> 51.80 <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i> 65.80		90.87
07 72 13 00-0038 EA 38" x 74" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb .....402.75 <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> 31.19 <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> 71.46 <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> 9.30 <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> 57.30 <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i> 70.30		90.87
07 72 13 00-0039 EA 38" x 98" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb .....459.94 <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> 35.90 <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> 81.89 <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> 12.00 <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> 65.00 <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i> 85.00		100.97
07 72 13 00-0040 EA 38" x 122" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb .....505.14 <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> 39.41 <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> 89.92 <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> 14.70 <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> 75.70 <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i> 99.70		111.07
07 72 13 00-0041 EA 50" x 50" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb .....390.75 <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> 29.99 <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> 69.06 <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> 8.10 <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> 52.10 <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i> 63.10		90.87
07 72 13 00-0042 EA 50" x 62" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb .....421.94 <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> 32.10 <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> 74.29 <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> 9.75 <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> 50.75 <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i> 70.75		100.97



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 13 00-0043 EA 50" x 74" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	437.94	100.97
For Sloped Roofs Up To 1 In 12 To 3 In 12 Pitch, Add	33.70	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	77.49	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	11.55	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	46.55	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	80.55	
07 72 13 00-0044 EA 50" x 86" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	480.14	111.07
For Sloped Roofs Up To 1 In 12 Pitch, Add	36.91	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	84.92	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	13.50	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	58.50	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	90.50	
07 72 13 00-0045 EA 51" x 99" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	515.34	121.17
For Sloped Roofs Up To 1 In 12 Pitch, Add	39.42	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	90.95	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	15.45	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	71.45	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	96.45	
07 72 13 00-0046 EA 51" x 122" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	558.52	131.27
For Sloped Roofs Up To 1 In 12 Pitch, Add	42.73	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	98.58	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	18.60	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	81.60	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	115.60	
07 72 13 00-0047 EA 62" x 62" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	437.94	100.97
For Sloped Roofs Up To 1 In 12 Pitch, Add	33.70	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	77.49	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	12.30	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	45.30	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	83.30	
07 72 13 00-0048 EA 62-3/8" x 74-3/8" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	469.14	111.07
For Sloped Roofs Up To 1 In 12 Pitch, Add	35.81	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	82.72	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	14.10	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	63.10	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	94.10	
07 72 13 00-0049 EA 62" x 86" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	512.34	121.17
For Sloped Roofs Up To 1 In 12 Pitch, Add	39.12	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	90.35	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	18.30	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	67.30	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	96.30	
07 72 13 00-0050 EA 62" x 98" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	525.34	121.17
For Sloped Roofs Up To 1 In 12 Pitch, Add	40.42	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	92.95	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	18.30	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	67.30	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	117.30	
07 72 13 00-0051 EA 62" x 122" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	569.52	131.27
For Sloped Roofs Up To 1 In 12 Pitch, Add	43.83	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	100.78	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	23.10	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	73.10	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	137.10	
07 72 13 00-0052 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curbs <small>(07 72 13 00-0003)</small>		
07 72 13 00-0053 EA 26" x 26" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	322.55	80.78
For Sloped Roofs Up To 1 In 12 Pitch, Add	24.18	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	56.43	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	3.30	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	24.30	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	35.30	
07 72 13 00-0054 EA 26" x 38" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	325.55	80.78
For Sloped Roofs Up To 1 In 12 Pitch, Add	24.48	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	57.03	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	4.05	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	32.05	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	42.05	
07 72 13 00-0055 EA 26" x 50" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	346.75	90.87
For Sloped Roofs Up To 1 In 12 Pitch, Add	25.59	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	60.26	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	4.95	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	39.95	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	46.95	
07 72 13 00-0056 EA 26" x 74" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	375.75	90.87
For Sloped Roofs Up To 1 In 12 Pitch, Add	28.49	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	66.06	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	6.60	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	51.60	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	58.60	

07 Thermal And Moisture Protection
07 70 Roof And Wall Specialties And Accessories
07 72 Roof Accessories



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 13 00-0057	EA		26" x 98" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	397.75 30.69 70.46 9.15 58.15 64.15	90.87
07 72 13 00-0058	EA		26" x 122" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb..... <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	485.94 38.50 87.09 10.95 55.95 74.95	100.97
07 72 13 00-0059	EA		38" x 38" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	325.55 24.48 57.03 5.25 45.25 63.25	80.78
07 72 13 00-0060	EA		38" x 50" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	346.75 25.59 60.26 6.30 48.30 65.30	90.87
07 72 13 00-0061	EA		38" x 62" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	397.75 30.69 70.46 7.80 51.80 65.80	90.87
07 72 13 00-0062	EA		38" x 74" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	421.75 33.09 75.26 9.30 57.30 70.30	90.87
07 72 13 00-0063	EA		38" x 98" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	471.94 37.10 84.29 12.00 65.00 85.00	100.97
07 72 13 00-0064	EA		38" x 122" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb..... <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	518.14 40.71 92.52 14.70 75.70 99.70	111.07
07 72 13 00-0065	EA		50" x 50" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	398.75 30.79 70.66 8.10 52.10 63.10	90.87
07 72 13 00-0066	EA		50" x 62" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	432.94 33.20 76.49 9.75 50.75 70.75	100.97
07 72 13 00-0067	EA		50" x 74" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	447.94 34.70 79.49 11.55 46.55 80.55	100.97
07 72 13 00-0068	EA		50" x 86" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	492.14 38.11 87.32 13.50 58.50 90.50	111.07
07 72 13 00-0069	EA		51" x 99" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	527.34 40.62 93.35 15.45 71.45 96.45	121.17
07 72 13 00-0070	EA		51" x 122" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb..... <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	572.52 44.13 101.38 18.60 81.60 115.60	131.27



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 13 00-0071 EA 62" x 62" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	447.94	100.97
<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	34.70	
<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	79.49	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	12.30	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	45.30	
<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	83.30	
07 72 13 00-0072 EA 62-3/8" x 74-3/8" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	480.14	111.07
<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	36.91	
<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	84.92	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	14.10	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	63.10	
<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	94.10	
07 72 13 00-0073 EA 62" x 86" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	525.34	121.17
<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	40.42	
<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	92.95	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	18.30	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	67.30	
<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	96.30	
07 72 13 00-0074 EA 62" x 98" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	538.34	121.17
<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	41.72	
<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	95.55	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	18.30	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	67.30	
<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	117.30	
07 72 13 00-0075 EA 62" x 122" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	584.52	131.27
<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	45.33	
<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	103.78	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	23.10	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	73.10	
<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	137.10	
07 72 13 00-0076 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curbs (07 72 13 00-0002)		
07 72 13 00-0077 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curbs (07 72 13 00-0076)		
07 72 13 00-0078 EA 26" x 26" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	291.55	80.78
<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	21.08	
<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	50.23	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	3.30	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	24.30	
<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	35.30	
07 72 13 00-0079 EA 26" x 38" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	304.55	80.78
<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	22.38	
<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	52.83	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	4.05	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	32.05	
<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	42.05	
07 72 13 00-0080 EA 26" x 50" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	349.75	90.87
<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	25.89	
<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	60.86	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	4.95	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	39.95	
<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	46.95	
07 72 13 00-0081 EA 26" x 74" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	379.75	90.87
<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	28.89	
<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	66.86	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	6.60	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	51.60	
<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	58.60	
07 72 13 00-0082 EA 26" x 98" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	401.75	90.87
<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	31.09	
<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	71.26	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	9.15	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	58.15	
<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	64.15	
07 72 13 00-0083 EA 26" x 122" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	501.94	100.97
<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	40.10	
<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	90.29	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	10.95	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	55.95	
<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	74.95	
07 72 13 00-0084 EA 38" x 38" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	328.55	80.78
<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	24.78	
<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	57.63	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	5.25	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	45.25	
<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	63.25	
07 72 13 00-0085 EA 38" x 50" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	357.75	90.87
<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	26.69	
<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	62.46	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	6.30	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	48.30	
<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	65.30	

07	Thermal And Moisture Protection
07 70	Roof And Wall Specialties And Accessories
07 72	Roof Accessories



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 13 00-0086 EA 38" x 62" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	367.75	90.87
For Sloped Roofs Up To 1 In 12 Pitch, Add	27.69	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	64.46	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	7.80	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	51.80	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	65.80	
07 72 13 00-0087 EA 38" x 74" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	376.75	90.87
For Sloped Roofs Up To 1 In 12 Pitch, Add	28.59	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	66.26	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	9.30	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	57.30	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	70.30	
07 72 13 00-0088 EA 38" x 98" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	477.94	100.97
For Sloped Roofs Up To 1 In 12 Pitch, Add	37.70	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	85.49	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	12.00	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	65.00	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	85.00	
07 72 13 00-0089 EA 38" x 122" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	525.14	111.07
For Sloped Roofs Up To 1 In 12 Pitch, Add	41.41	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	93.92	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	14.70	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	75.70	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	99.70	
07 72 13 00-0090 EA 50" x 50" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	402.75	90.87
For Sloped Roofs Up To 1 In 12 Pitch, Add	31.19	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	71.46	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	8.10	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	52.10	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	63.10	
07 72 13 00-0091 EA 50" x 62" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	436.94	100.97
For Sloped Roofs Up To 1 In 12 Pitch, Add	33.60	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	77.29	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	9.75	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	50.75	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	70.75	
07 72 13 00-0092 EA 50" x 74" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	452.94	100.97
For Sloped Roofs Up To 1 In 12 Pitch, Add	35.20	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	80.49	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	11.55	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	46.55	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	80.55	
07 72 13 00-0093 EA 50" x 86" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	498.14	111.07
For Sloped Roofs Up To 1 In 12 Pitch, Add	38.71	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	88.52	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	13.50	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	58.50	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	90.50	
07 72 13 00-0094 EA 51" x 99" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	533.34	121.17
For Sloped Roofs Up To 1 In 12 Pitch, Add	41.22	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	94.55	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	15.45	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	71.45	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	96.45	
07 72 13 00-0095 EA 51" x 122" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	579.52	131.27
For Sloped Roofs Up To 1 In 12 Pitch, Add	44.83	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	102.78	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	18.60	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	81.60	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	115.60	
07 72 13 00-0096 EA 62" x 62" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	452.94	100.97
For Sloped Roofs Up To 1 In 12 Pitch, Add	35.20	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	80.49	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	12.30	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	45.30	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	83.30	
07 72 13 00-0097 EA 62-3/8" x 74-3/8" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	485.14	111.07
For Sloped Roofs Up To 1 In 12 Pitch, Add	37.41	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	85.92	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	14.10	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	63.10	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	94.10	
07 72 13 00-0098 EA 62" x 86" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	531.34	121.17
For Sloped Roofs Up To 1 In 12 Pitch, Add	41.02	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	94.15	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	18.30	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	67.30	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	96.30	
07 72 13 00-0099 EA 62" x 98" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	545.34	121.17
For Sloped Roofs Up To 1 In 12 Pitch, Add	42.42	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	96.95	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	18.30	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	67.30	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	117.30	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 13 00-0100	EA			62" x 122" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	592.52	131.27
				<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	46.13	
				<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	105.38	
				<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	23.10	
				<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	73.10	
				<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	137.10	
07 72 13 00-0101				12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curbs <small>(07 72 13 00-0076)</small>		
07 72 13 00-0102	EA			26" x 26" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	300.55	80.78
				<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	21.98	
				<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	52.03	
				<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	3.30	
				<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	24.30	
				<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	35.30	
07 72 13 00-0103	EA			26" x 38" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	315.55	80.78
				<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	23.48	
				<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	55.03	
				<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	4.05	
				<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	32.05	
				<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	42.05	
07 72 13 00-0104	EA			26" x 50" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	364.75	90.87
				<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	27.39	
				<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	63.86	
				<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	4.95	
				<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	39.95	
				<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	46.95	
07 72 13 00-0105	EA			26" x 74" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	397.75	90.87
				<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	30.69	
				<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	70.46	
				<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	6.60	
				<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	51.60	
				<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	58.60	
07 72 13 00-0106	EA			26" x 98" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	424.75	90.87
				<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	33.39	
				<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	75.86	
				<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	9.15	
				<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	58.15	
				<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	64.15	
07 72 13 00-0107	EA			26" x 122" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	505.94	100.97
				<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	40.50	
				<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	91.09	
				<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	10.95	
				<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	55.95	
				<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	74.95	
07 72 13 00-0108	EA			38" x 38" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	341.55	80.78
				<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	26.08	
				<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	60.23	
				<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	5.25	
				<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	45.25	
				<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	63.25	
07 72 13 00-0109	EA			38" x 50" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	373.75	90.87
				<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	28.29	
				<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	65.66	
				<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	6.30	
				<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	48.30	
				<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	65.30	
07 72 13 00-0110	EA			38" x 62" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	386.75	90.87
				<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	29.59	
				<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	68.26	
				<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	7.80	
				<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	51.80	
				<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	65.80	
07 72 13 00-0111	EA			38" x 74" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	398.75	90.87
				<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	30.79	
				<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	70.66	
				<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	9.30	
				<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	57.30	
				<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	70.30	
07 72 13 00-0112	EA			38" x 98" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	501.94	100.97
				<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	40.10	
				<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	90.29	
				<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	12.00	
				<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	65.00	
				<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	85.00	
07 72 13 00-0113	EA			38" x 122" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	554.14	111.07
				<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	44.31	
				<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	99.72	
				<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	14.70	
				<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	75.70	
				<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	99.70	

07	Thermal And Moisture Protection
07 70	Roof And Wall Specialties And Accessories
07 72	Roof Accessories



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 13 00-0114 EA 50" x 50" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	420.75	90.87
<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	32.99	
<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	75.06	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	8.10	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	52.10	
<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	63.10	
07 72 13 00-0115 EA 50" x 62" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	456.94	100.97
<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	35.60	
<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	81.29	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	9.75	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	50.75	
<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	70.75	
07 72 13 00-0116 EA 50" x 74" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	475.94	100.97
<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	37.50	
<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	85.09	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	11.55	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	46.55	
<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	80.55	
07 72 13 00-0117 EA 50" x 86" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	522.14	111.07
<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	41.11	
<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	93.32	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	13.50	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	58.50	
<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	90.50	
07 72 13 00-0118 EA 51" x 99" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	561.34	121.17
<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	44.02	
<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	100.15	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	15.45	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	71.45	
<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	96.45	
07 72 13 00-0119 EA 51" x 122" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	611.52	131.27
<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	48.03	
<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	109.18	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	18.60	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	81.60	
<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	115.60	
07 72 13 00-0120 EA 62" x 62" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	475.94	100.97
<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	37.50	
<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	85.09	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	12.30	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	45.30	
<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	83.30	
07 72 13 00-0121 EA 62-3/8" x 74-3/8" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	511.14	111.07
<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	40.01	
<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	91.12	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	14.10	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	63.10	
<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	94.10	
07 72 13 00-0122 EA 62" x 86" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	559.34	121.17
<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	43.82	
<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	99.75	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	18.30	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	67.30	
<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	96.30	
07 72 13 00-0123 EA 62" x 98" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	574.34	121.17
<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	45.32	
<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	102.75	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	18.30	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	67.30	
<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	117.30	
07 72 13 00-0124 EA 62" x 122" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	626.52	131.27
<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	49.53	
<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	112.18	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	23.10	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	73.10	
<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	137.10	
07 72 13 00-0125 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curbs <small>(07 72 13 00-0076)</small>		
07 72 13 00-0126 EA 26" x 26" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	307.55	80.78
<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	22.68	
<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	53.43	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	3.30	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	24.30	
<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	35.30	
07 72 13 00-0127 EA 26" x 38" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	323.55	80.78
<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	24.28	
<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	56.63	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	4.05	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	32.05	
<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	42.05	



Thermal And Moisture Protection	07
Roof And Wall Specialties And Accessories	07 70
Roof Accessories	07 72

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 13 00-0128 EA 26" x 50" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	373.75	90.87
For Sloped Roofs Up To 1 In 12 To 3 In 12 Pitch, Add	28.29	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	65.66	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	4.95	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	39.95	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	46.95	
07 72 13 00-0129 EA 26" x 74" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	409.75	90.87
For Sloped Roofs Up To 1 In 12 To 3 In 12 Pitch, Add	31.89	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	72.86	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	6.60	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	51.60	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	58.60	
07 72 13 00-0130 EA 26" x 98" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	439.75	90.87
For Sloped Roofs Up To 1 In 12 To 3 In 12 Pitch, Add	34.89	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	78.86	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	9.15	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	58.15	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	64.15	
07 72 13 00-0131 EA 26" x 122" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	537.94	100.97
For Sloped Roofs Up To 1 In 12 To 3 In 12 Pitch, Add	43.70	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	97.49	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	10.95	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	55.95	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	74.95	
07 72 13 00-0132 EA 38" x 38" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	351.55	80.78
For Sloped Roofs Up To 1 In 12 To 3 In 12 Pitch, Add	27.08	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	62.23	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	5.25	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	45.25	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	63.25	
07 72 13 00-0133 EA 38" x 50" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	390.75	90.87
For Sloped Roofs Up To 1 In 12 To 3 In 12 Pitch, Add	29.99	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	69.06	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	6.30	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	48.30	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	65.30	
07 72 13 00-0134 EA 38" x 62" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	408.75	90.87
For Sloped Roofs Up To 1 In 12 To 3 In 12 Pitch, Add	31.79	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	72.66	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	7.80	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	51.80	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	65.80	
07 72 13 00-0135 EA 38" x 74" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	412.75	90.87
For Sloped Roofs Up To 1 In 12 To 3 In 12 Pitch, Add	32.19	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	73.46	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	9.30	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	57.30	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	70.30	
07 72 13 00-0136 EA 38" x 98" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	519.94	100.97
For Sloped Roofs Up To 1 In 12 To 3 In 12 Pitch, Add	41.90	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	93.89	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	12.00	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	65.00	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	85.00	
07 72 13 00-0137 EA 38" x 122" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	574.14	111.07
For Sloped Roofs Up To 1 In 12 To 3 In 12 Pitch, Add	46.31	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	103.72	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	14.70	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	75.70	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	99.70	
07 72 13 00-0138 EA 50" x 50" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	432.75	90.87
For Sloped Roofs Up To 1 In 12 To 3 In 12 Pitch, Add	34.19	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	77.46	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	8.10	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	52.10	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	63.10	
07 72 13 00-0139 EA 50" x 62" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	469.94	100.97
For Sloped Roofs Up To 1 In 12 To 3 In 12 Pitch, Add	36.90	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	83.89	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	9.75	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	50.75	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	70.75	
07 72 13 00-0140 EA 50" x 74" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	490.94	100.97
For Sloped Roofs Up To 1 In 12 To 3 In 12 Pitch, Add	39.00	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	88.09	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	11.55	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	46.55	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	80.55	
07 72 13 00-0141 EA 50" x 86" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	540.14	111.07
For Sloped Roofs Up To 1 In 12 To 3 In 12 Pitch, Add	42.91	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	96.92	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	13.50	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	58.50	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	90.50	

07	Thermal And Moisture Protection
07 70	Roof And Wall Specialties And Accessories
07 72	Roof Accessories



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 13 00-0142 EA 51" x 99" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	579.34	121.17
For Sloped Roofs Up To 1 In 12 Pitch, Add	45.82	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	103.75	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	15.45	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	71.45	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	96.45	
07 72 13 00-0143 EA 51" x 122" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	633.52	131.27
For Sloped Roofs Up To 1 In 12 Pitch, Add	50.23	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	113.58	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	18.60	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	81.60	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	115.60	
07 72 13 00-0144 EA 62" x 62" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	490.94	100.97
For Sloped Roofs Up To 1 In 12 Pitch, Add	39.00	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	88.09	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	12.30	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	45.30	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	83.30	
07 72 13 00-0145 EA 62-3/8" x 74-3/8" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	529.14	111.07
For Sloped Roofs Up To 1 In 12 Pitch, Add	41.81	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	94.72	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	14.10	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	63.10	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	94.10	
07 72 13 00-0146 EA 62" x 86" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	576.34	121.17
For Sloped Roofs Up To 1 In 12 Pitch, Add	45.52	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	103.15	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	18.30	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	67.30	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	96.30	
07 72 13 00-0147 EA 62" x 98" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	594.34	121.17
For Sloped Roofs Up To 1 In 12 Pitch, Add	47.32	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	106.75	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	18.30	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	67.30	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	117.30	
07 72 13 00-0148 EA 62" x 122" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	648.52	131.27
For Sloped Roofs Up To 1 In 12 Pitch, Add	51.73	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	116.58	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	23.10	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	73.10	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	137.10	
07 72 13 00-0149 Insulated Galvanized Steel, Adjustable Width Prefabricated Roof Curbs ^(07 72 13 00-0001)		
Note: Includes 1" rigid foam insulation, mill finish galvanized steel exterior wall construction, painted galvanized steel interior wall construction and installation clips.		
07 72 13 00-0150 6" Height, 18 Gauge, Insulated Galvanized Steel, Adjustable Width Prefabricated Roof Curbs ^(07 72 13 00-0149)		
07 72 13 00-0151 EA 14-1/2" To 23" Square Outside Dimensions, 6" Height, 18 Gauge, Insulated Galvanized Steel, Adjustable Width Prefabricated Roof Curb.....	349.19	80.78
For Sloped Roofs Up To 1 In 12 Pitch, Add	26.84	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	61.76	
07 72 13 00-0152 EA 23-1/2" To 32" Square Outside Dimensions, 6" Height, 18 Gauge, Insulated Galvanized Steel, Adjustable Width Prefabricated Roof Curb.....	432.49	80.78
For Sloped Roofs Up To 1 In 12 Pitch, Add	35.17	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	78.42	
07 72 13 00-0153 EA 32-1/2" To 41" Square Outside Dimensions, 6" Height, 18 Gauge, Insulated Galvanized Steel, Adjustable Width Prefabricated Roof Curb.....	499.01	90.87
For Sloped Roofs Up To 1 In 12 Pitch, Add	40.81	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	90.71	
07 72 13 00-0154 EA 41" To 49-1/2" Square Outside Dimensions, 6" Height, 18 Gauge, Insulated Galvanized Steel, Adjustable Width Prefabricated Roof Curb.....	565.53	90.87
For Sloped Roofs Up To 1 In 12 Pitch, Add	47.47	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	104.02	
07 72 13 00-0155 EA 50" To 58-1/2" Square Outside Dimensions, 6" Height, 18 Gauge, Insulated Galvanized Steel, Adjustable Width Prefabricated Roof Curb.....	624.39	100.97
For Sloped Roofs Up To 1 In 12 Pitch, Add	52.34	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	114.78	
07 72 13 00-0156 12" Height, 18 Gauge, Insulated Galvanized Steel, Adjustable Width Prefabricated Roof Curbs ^(07 72 13 00-0149)		
07 72 13 00-0157 EA 14-1/2" To 23" Square Outside Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Adjustable Width Prefabricated Roof Curb.....	471.16	80.78
For Sloped Roofs Up To 1 In 12 Pitch, Add	39.04	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	86.15	
07 72 13 00-0158 EA 23-1/2" To 32" Square Outside Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Adjustable Width Prefabricated Roof Curb.....	584.21	80.78
For Sloped Roofs Up To 1 In 12 Pitch, Add	50.34	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	108.76	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 13 00-0159 EA 32-1/2" To 41" Square Outside Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Adjustable Width Prefabricated Roof Curb.....	607.60	90.87
<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	51.67	
<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	112.43	
07 72 13 00-0160 EA 41" To 49-1/2" Square Outside Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Adjustable Width Prefabricated Roof Curb.....	650.10	90.87
<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	55.92	
<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	120.93	
07 72 13 00-0161 EA 50" To 58-1/2" Square Outside Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Adjustable Width Prefabricated Roof Curb.....	729.79	100.97
<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	62.88	
<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	135.86	
07 72 13 00-0162 EA 64" To 72-1/2" Square Outside Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Adjustable Width Prefabricated Roof Curb.....	913.62	111.07
<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	80.26	
<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	171.62	
07 72 13 00-0163 18" To 24" Height, 16 Gauge, Ventilated Galvanized Steel, Adjustable Width Prefabricated Roof Curbs <small>(07 72 13 00-0149)</small>		
07 72 13 00-0164 EA 17-1/2" To 22" Square Outside Dimensions, 24" Height, 16 Gauge, Ventilated Galvanized Steel, Adjustable Width Prefabricated Roof Curb.....	671.55	80.78
<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	59.08	
<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	126.23	
07 72 13 00-0165 EA 24" To 29" Square Outside Dimensions, 24" Height, 16 Gauge, Ventilated Galvanized Steel, Adjustable Width Prefabricated Roof Curb.....	787.15	80.78
<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	70.64	
<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	149.35	
07 72 13 00-0166 EA 31" To 46" Square Outside Dimensions, 18" Height, 16 Gauge, Insulated Galvanized Steel, Adjustable Width Prefabricated Roof Curb.....	944.63	90.87
<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	85.38	
<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	179.84	
07 72 13 00-0167 Wood, Prefabricated Roof Curbs <small>(07 72 13)</small>		
Note: Includes Douglas fir construction, galvanized steel corner straps and installation clips. Includes 3/16" wire mesh, 6" x 6" grids, safety security guard with installation clips.		
07 72 13 00-0168 Wood Framed, Prefabricated Roof Curbs <small>(07 72 13 00-0167)</small>		
07 72 13 00-0169 2 x 6 Wood Framed, Prefabricated Roof Curbs <small>(07 72 13 00-0168)</small>		
07 72 13 00-0170 EA 26" x 26" Outside Frame Dimensions, 2 x 6 Wood Framed, Prefabricated Roof Curb.....	242.55	80.78
<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	16.18	
<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	40.43	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	3.30	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	24.30	
<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	35.30	
07 72 13 00-0171 EA 26" x 50" Outside Frame Dimensions, 2 x 6 Wood Framed, Prefabricated Roof Curb.....	268.75	90.87
<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	17.79	
<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	44.66	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	4.95	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	39.95	
<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	46.95	
07 72 13 00-0172 EA 26" x 98" Outside Frame Dimensions, 2 x 6 Wood Framed, Prefabricated Roof Curb.....	294.75	90.87
<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	20.39	
<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	49.86	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	9.15	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	58.15	
<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	64.15	
07 72 13 00-0173 EA 38" x 62" Outside Frame Dimensions, 2 x 6 Wood Framed, Prefabricated Roof Curb.....	291.75	90.87
<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	20.09	
<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	49.26	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	7.80	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	51.80	
<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	65.80	
07 72 13 00-0174 EA 38" x 74" Outside Frame Dimensions, 2 x 6 Wood Framed, Prefabricated Roof Curb.....	298.75	90.87
<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	20.79	
<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	50.66	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	9.30	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	57.30	
<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	70.30	
07 72 13 00-0175 EA 38" x 98" Outside Frame Dimensions, 2 x 6 Wood Framed, Prefabricated Roof Curb.....	335.94	100.97
<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	23.50	
<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	57.09	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	12.00	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	65.00	
<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	85.00	
07 72 13 00-0176 EA 50" x 50" Outside Frame Dimensions, 2 x 6 Wood Framed, Prefabricated Roof Curb.....	296.75	90.87
<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	20.59	
<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	50.26	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	8.10	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	52.10	
<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	63.10	

07	Thermal And Moisture Protection
07 70	Roof And Wall Specialties And Accessories
07 72	Roof Accessories



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 13 00-0177	EA		50" x 74" Outside Frame Dimensions, 2 x 6 Wood Framed, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	344.94 24.40 58.89 11.55 46.55 80.55	100.97
07 72 13 00-0178	EA		51" x 99" Outside Frame Dimensions, 2 x 6 Wood Framed, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	385.34 26.42 64.95 15.45 71.45 96.45	121.17
07 72 13 00-0179	EA		62" x 62" Outside Frame Dimensions, 2 x 6 Wood Framed, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	326.94 22.60 55.29 12.30 45.30 83.30	100.97
07 72 13 00-0180	EA		62-3/8" x 74-3/8" Outside Frame Dimensions, 2 x 6 Wood Framed, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	359.14 24.81 60.72 14.10 63.10 94.10	111.07
07 72 13 00-0181	EA		62" x 98" Outside Frame Dimensions, 2 x 6 Wood Framed, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	405.34 28.42 68.95 18.30 67.30 117.30	121.17
07 72 13 00-0182			2 x 8 Wood Framed, Prefabricated Roof Curbs (07 72 13 00-0168)		
07 72 13 00-0183	EA		26" x 26" Outside Frame Dimensions, 2 x 8 Wood Framed, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	248.55 16.78 41.63 3.30 24.30 35.30	80.78
07 72 13 00-0184	EA		26" x 50" Outside Frame Dimensions, 2 x 8 Wood Framed, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	275.75 18.49 46.06 4.95 39.95 46.95	90.87
07 72 13 00-0185	EA		26" x 98" Outside Frame Dimensions, 2 x 8 Wood Framed, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	313.75 22.29 53.66 9.15 58.15 64.15	90.87
07 72 13 00-0186	EA		38" x 62" Outside Frame Dimensions, 2 x 8 Wood Framed, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	303.75 21.29 51.66 7.80 51.80 65.80	90.87
07 72 13 00-0187	EA		38" x 74" Outside Frame Dimensions, 2 x 8 Wood Framed, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	313.75 22.29 53.66 9.30 57.30 70.30	90.87
07 72 13 00-0188	EA		38" x 98" Outside Frame Dimensions, 2 x 8 Wood Framed, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	350.94 25.00 60.09 12.00 65.00 85.00	100.97
07 72 13 00-0189	EA		50" x 50" Outside Frame Dimensions, 2 x 8 Wood Framed, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	307.75 21.69 52.46 8.10 52.10 63.10	90.87
07 72 13 00-0190	EA		50" x 74" Outside Frame Dimensions, 2 x 8 Wood Framed, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	358.94 25.80 61.69 11.55 46.55 80.55	100.97



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 13 00-0191 EA 51" x 99" Outside Frame Dimensions, 2 x 8 Wood Framed, Prefabricated Roof Curb	399.34	121.17
<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	27.82	
<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	67.75	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	15.45	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	71.45	
<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	96.45	
07 72 13 00-0192 EA 62" x 62" Outside Frame Dimensions, 2 x 8 Wood Framed, Prefabricated Roof Curb	337.94	100.97
<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	23.70	
<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	57.49	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	12.30	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	45.30	
<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	83.30	
07 72 13 00-0193 EA 62-3/8" x 74-3/8" Outside Frame Dimensions, 2 x 8 Wood Framed, Prefabricated Roof Curb	372.14	111.07
<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	26.11	
<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	63.32	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	14.10	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	63.10	
<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	94.10	
07 72 13 00-0194 EA 62" x 98" Outside Frame Dimensions, 2 x 8 Wood Framed, Prefabricated Roof Curb	419.34	121.17
<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	29.82	
<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	71.75	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	18.30	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	67.30	
<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	117.30	
07 72 13 00-0195 2 x 10 Wood Framed, Prefabricated Roof Curbs <small>(07 72 13 00-0168)</small>		
07 72 13 00-0196 EA 26" x 26" Outside Frame Dimensions, 2 x 10 Wood Framed, Prefabricated Roof Curb	252.55	80.78
<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	17.18	
<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	42.43	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	3.30	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	24.30	
<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	35.30	
07 72 13 00-0197 EA 26" x 50" Outside Frame Dimensions, 2 x 10 Wood Framed, Prefabricated Roof Curb	282.75	90.87
<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	19.19	
<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	47.46	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	4.95	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	39.95	
<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	46.95	
07 72 13 00-0198 EA 26" x 98" Outside Frame Dimensions, 2 x 10 Wood Framed, Prefabricated Roof Curb	315.75	90.87
<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	22.49	
<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	54.06	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	9.15	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	58.15	
<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	64.15	
07 72 13 00-0199 EA 38" x 62" Outside Frame Dimensions, 2 x 10 Wood Framed, Prefabricated Roof Curb	310.75	90.87
<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	21.99	
<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	53.06	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	7.80	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	51.80	
<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	65.80	
07 72 13 00-0200 EA 38" x 74" Outside Frame Dimensions, 2 x 10 Wood Framed, Prefabricated Roof Curb	322.75	90.87
<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	23.19	
<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	55.46	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	9.30	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	57.30	
<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	70.30	
07 72 13 00-0201 EA 38" x 98" Outside Frame Dimensions, 2 x 10 Wood Framed, Prefabricated Roof Curb	360.94	100.97
<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	26.00	
<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	62.09	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	12.00	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	65.00	
<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	85.00	
07 72 13 00-0202 EA 50" x 50" Outside Frame Dimensions, 2 x 10 Wood Framed, Prefabricated Roof Curb	314.75	90.87
<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	22.39	
<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	53.86	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	8.10	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	52.10	
<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	63.10	
07 72 13 00-0203 EA 50" x 74" Outside Frame Dimensions, 2 x 10 Wood Framed, Prefabricated Roof Curb	367.94	100.97
<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	26.70	
<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	63.49	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	11.55	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	46.55	
<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	80.55	
07 72 13 00-0204 EA 51" x 99" Outside Frame Dimensions, 2 x 10 Wood Framed, Prefabricated Roof Curb	408.34	121.17
<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	28.72	
<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	69.55	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	15.45	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	71.45	
<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	96.45	

07	Thermal And Moisture Protection
07 70	Roof And Wall Specialties And Accessories
07 72	Roof Accessories



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 13 00-0205	EA	62" x 62"	Outside Frame Dimensions, 2 x 10 Wood Framed, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	344.94 24.40 58.89 12.30 45.30 83.30	100.97
07 72 13 00-0206	EA	62-3/8" x 74-3/8"	Outside Frame Dimensions, 2 x 10 Wood Framed, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	380.14 26.91 64.92 14.10 63.10 94.10	111.07
07 72 13 00-0207	EA	62" x 98"	Outside Frame Dimensions, 2 x 10 Wood Framed, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	429.34 30.82 73.75 18.30 67.30 117.30	121.17
07 72 13 00-0208			2 x 12 Wood Framed, Prefabricated Roof Curbs (07 72 13 00-0168)		
07 72 13 00-0209	EA	26" x 26"	Outside Frame Dimensions, 2 x 12 Wood Framed, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	257.55 17.68 43.43 3.30 24.30 35.30	80.78
07 72 13 00-0210	EA	26" x 50"	Outside Frame Dimensions, 2 x 12 Wood Framed, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	286.75 19.59 48.26 4.95 39.95 46.95	90.87
07 72 13 00-0211	EA	26" x 98"	Outside Frame Dimensions, 2 x 12 Wood Framed, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	324.75 23.39 55.86 9.15 58.15 64.15	90.87
07 72 13 00-0212	EA	38" x 74"	Outside Frame Dimensions, 2 x 12 Wood Framed, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	332.75 24.19 57.46 9.30 57.30 70.30	90.87
07 72 13 00-0213	EA	38" x 98"	Outside Frame Dimensions, 2 x 12 Wood Framed, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	371.94 27.10 64.29 12.00 65.00 85.00	100.97
07 72 13 00-0214	EA	50" x 50"	Outside Frame Dimensions, 2 x 12 Wood Framed, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	323.75 23.29 55.66 8.10 52.10 63.10	90.87
07 72 13 00-0215	EA	50" x 74"	Outside Frame Dimensions, 2 x 12 Wood Framed, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	377.94 27.70 65.49 11.55 46.55 80.55	100.97
07 72 13 00-0216	EA	51" x 99"	Outside Frame Dimensions, 2 x 12 Wood Framed, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	420.34 29.92 71.95 15.45 71.45 96.45	121.17
07 72 13 00-0217	EA	62-3/8" x 74-3/8"	Outside Frame Dimensions, 2 x 12 Wood Framed, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	388.14 27.71 66.52 14.10 63.10 94.10	111.07
07 72 13 00-0218			Wood Framed With Liner, Prefabricated Roof Curbs (07 72 13 00-0167)		
07 72 13 00-0219			2 x 6 Wood Framed With Liner, Prefabricated Roof Curbs (07 72 13 00-0218)		
07 72 13 00-0220	EA	26" x 26"	Outside Frame Dimensions, 2 x 6 Wood Framed With Liner, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	250.55 16.98 42.03 3.30 24.30 35.30	80.78



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 13 00-0221 EA 26" x 50" Outside Frame Dimensions, 2 x 6 Wood Framed With Liner, Prefabricated Roof Curb 275.75		90.87
<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	18.49	
<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	46.06	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	4.95	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	39.95	
<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	46.95	
07 72 13 00-0222 EA 26" x 98" Outside Frame Dimensions, 2 x 6 Wood Framed With Liner, Prefabricated Roof Curb 307.75		90.87
<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	21.69	
<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	52.46	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	9.15	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	58.15	
<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	64.15	
07 72 13 00-0223 EA 38" x 62" Outside Frame Dimensions, 2 x 6 Wood Framed With Liner, Prefabricated Roof Curb 300.75		90.87
<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	20.99	
<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	51.06	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	7.80	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	51.80	
<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	65.80	
07 72 13 00-0224 EA 38" x 74" Outside Frame Dimensions, 2 x 6 Wood Framed With Liner, Prefabricated Roof Curb 309.75		90.87
<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	21.89	
<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	52.86	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	9.30	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	57.30	
<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	70.30	
07 72 13 00-0225 EA 38" x 98" Outside Frame Dimensions, 2 x 6 Wood Framed With Liner, Prefabricated Roof Curb 347.94		100.97
<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	24.70	
<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	59.49	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	12.00	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	65.00	
<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	85.00	
07 72 13 00-0226 EA 50" x 50" Outside Frame Dimensions, 2 x 6 Wood Framed With Liner, Prefabricated Roof Curb 305.75		90.87
<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	21.49	
<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	52.06	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	8.10	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	52.10	
<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	63.10	
07 72 13 00-0227 EA 50" x 74" Outside Frame Dimensions, 2 x 6 Wood Framed With Liner, Prefabricated Roof Curb 355.94		100.97
<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	25.50	
<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	61.09	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	11.55	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	46.55	
<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	80.55	
07 72 13 00-0228 EA 51" x 99" Outside Frame Dimensions, 2 x 6 Wood Framed With Liner, Prefabricated Roof Curb 396.34		121.17
<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	27.52	
<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	67.15	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	15.45	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	71.45	
<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	96.45	
07 72 13 00-0229 EA 62" x 62" Outside Frame Dimensions, 2 x 6 Wood Framed With Liner, Prefabricated Roof Curb 338.94		100.97
<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	23.80	
<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	57.69	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	12.30	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	45.30	
<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	83.30	
07 72 13 00-0230 EA 62-3/8" x 74-3/8" Outside Frame Dimensions, 2 x 6 Wood Framed With Liner, Prefabricated Roof Curb 370.14		111.07
<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	25.91	
<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	62.92	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	14.10	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	63.10	
<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	94.10	
07 72 13 00-0231 EA 62" x 98" Outside Frame Dimensions, 2 x 6 Wood Framed With Liner, Prefabricated Roof Curb 419.34		121.17
<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	29.82	
<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	71.75	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	18.30	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	67.30	
<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	117.30	
07 72 13 00-0232 2 x 8 Wood Framed With Liner, Prefabricated Roof Curbs (07 72 13 00-0218)		
07 72 13 00-0233 EA 26" x 26" Outside Frame Dimensions, 2 x 8 Wood Framed With Liner, Prefabricated Roof Curb 257.55		80.78
<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	17.68	
<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	43.43	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	3.30	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	24.30	
<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	35.30	
07 72 13 00-0234 EA 26" x 50" Outside Frame Dimensions, 2 x 8 Wood Framed With Liner, Prefabricated Roof Curb 283.75		90.87
<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	19.29	
<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	47.66	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	4.95	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	39.95	
<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	46.95	

07	Thermal And Moisture Protection
07 70	Roof And Wall Specialties And Accessories
07 72	Roof Accessories



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 13 00-0235 EA 26" x 98" Outside Frame Dimensions, 2 x 8 Wood Framed With Liner, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	319.75 22.89 54.86 9.15 58.15 64.15	90.87
07 72 13 00-0236 EA 38" x 62" Outside Frame Dimensions, 2 x 8 Wood Framed With Liner, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	312.75 22.19 53.46 7.80 51.80 65.80	90.87
07 72 13 00-0237 EA 38" x 74" Outside Frame Dimensions, 2 x 8 Wood Framed With Liner, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	325.75 23.49 56.06 9.30 57.30 70.30	90.87
07 72 13 00-0238 EA 38" x 98" Outside Frame Dimensions, 2 x 8 Wood Framed With Liner, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	365.94 26.50 63.09 12.00 65.00 85.00	100.97
07 72 13 00-0239 EA 50" x 50" Outside Frame Dimensions, 2 x 8 Wood Framed With Liner, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	319.75 22.89 54.86 8.10 52.10 63.10	90.87
07 72 13 00-0240 EA 50" x 74" Outside Frame Dimensions, 2 x 8 Wood Framed With Liner, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	372.94 27.20 64.49 11.55 46.55 80.55	100.97
07 72 13 00-0241 EA 51" x 99" Outside Frame Dimensions, 2 x 8 Wood Framed With Liner, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	415.34 29.42 70.95 15.45 71.45 96.45	121.17
07 72 13 00-0242 EA 62" x 62" Outside Frame Dimensions, 2 x 8 Wood Framed With Liner, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	351.94 25.10 60.29 12.30 45.30 83.30	100.97
07 72 13 00-0243 EA 62-3/8" x 74-3/8" Outside Frame Dimensions, 2 x 8 Wood Framed With Liner, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	385.14 27.41 65.92 14.10 63.10 94.10	111.07
07 72 13 00-0244 EA 62" x 98" Outside Frame Dimensions, 2 x 8 Wood Framed With Liner, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	436.34 31.52 75.15 18.30 67.30 117.30	121.17
07 72 13 00-0245 2 x 10 Wood Framed With Liner, Prefabricated Roof Curbs <small>(07 72 13 00-0218)</small>		
07 72 13 00-0246 EA 26" x 26" Outside Frame Dimensions, 2 x 10 Wood Framed With Liner, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	263.55 18.28 44.63 3.30 24.30 35.30	80.78
07 72 13 00-0247 EA 26" x 50" Outside Frame Dimensions, 2 x 10 Wood Framed With Liner, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	291.75 20.09 49.26 4.95 39.95 46.95	90.87
07 72 13 00-0248 EA 26" x 98" Outside Frame Dimensions, 2 x 10 Wood Framed With Liner, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	331.75 24.09 57.26 9.15 58.15 64.15	90.87



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 13 00-0249 EA 38" x 62" Outside Frame Dimensions, 2 x 10 Wood Framed With Liner, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	321.75 23.09 55.26 7.80 51.80 65.80	90.87
07 72 13 00-0250 EA 38" x 74" Outside Frame Dimensions, 2 x 10 Wood Framed With Liner, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	337.75 24.69 58.46 9.30 57.30 70.30	90.87
07 72 13 00-0251 EA 38" x 98" Outside Frame Dimensions, 2 x 10 Wood Framed With Liner, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	378.94 27.80 65.69 12.00 65.00 85.00	100.97
07 72 13 00-0252 EA 50" x 50" Outside Frame Dimensions, 2 x 10 Wood Framed With Liner, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	328.75 23.79 56.66 8.10 52.10 63.10	90.87
07 72 13 00-0253 EA 50" x 74" Outside Frame Dimensions, 2 x 10 Wood Framed With Liner, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	383.94 28.30 66.69 11.55 46.55 80.55	100.97
07 72 13 00-0254 EA 51" x 99" Outside Frame Dimensions, 2 x 10 Wood Framed With Liner, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	427.34 30.62 73.35 15.45 71.45 96.45	121.17
07 72 13 00-0255 EA 62" x 62" Outside Frame Dimensions, 2 x 10 Wood Framed With Liner, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	361.94 26.10 62.29 12.30 45.30 83.30	100.97
07 72 13 00-0256 EA 62-3/8" x 74-3/8" Outside Frame Dimensions, 2 x 10 Wood Framed With Liner, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	396.14 28.51 68.12 14.10 63.10 94.10	111.07
07 72 13 00-0257 EA 62" x 98" Outside Frame Dimensions, 2 x 10 Wood Framed With Liner, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	449.34 32.82 77.75 18.30 67.30 117.30	121.17
07 72 13 00-0258 2 x 12 Wood Framed With Liner, Prefabricated Roof Curbs <small>(07 72 13 00-0218)</small>		
07 72 13 00-0259 EA 26" x 26" Outside Frame Dimensions, 2 x 12 Wood Framed With Liner, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	275.55 19.48 47.03 3.30 24.30 35.30	80.78
07 72 13 00-0260 EA 26" x 50" Outside Frame Dimensions, 2 x 12 Wood Framed With Liner, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	297.75 20.69 50.46 4.95 39.95 46.95	90.87
07 72 13 00-0261 EA 26" x 98" Outside Frame Dimensions, 2 x 12 Wood Framed With Liner, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	340.75 24.99 59.06 9.15 58.15 64.15	90.87
07 72 13 00-0262 EA 38" x 74" Outside Frame Dimensions, 2 x 12 Wood Framed With Liner, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	347.75 25.69 60.46 9.30 57.30 70.30	90.87

07	Thermal And Moisture Protection
07 70	Roof And Wall Specialties And Accessories
07 72	Roof Accessories



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 13 00-0263	EA		38" x 98" Outside Frame Dimensions, 2 x 12 Wood Framed With Liner, Prefabricated Roof Curb	416.94	100.97
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	31.60	
			<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	73.29	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	12.00	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	65.00	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	85.00	
07 72 13 00-0264	EA		50" x 50" Outside Frame Dimensions, 2 x 12 Wood Framed With Liner, Prefabricated Roof Curb	357.75	90.87
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	26.69	
			<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	62.46	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	8.10	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	52.10	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	63.10	
07 72 13 00-0265	EA		50" x 74" Outside Frame Dimensions, 2 x 12 Wood Framed With Liner, Prefabricated Roof Curb	418.94	100.97
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	31.80	
			<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	73.69	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	11.55	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	46.55	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	80.55	
07 72 13 00-0266	EA		51" x 99" Outside Frame Dimensions, 2 x 12 Wood Framed With Liner, Prefabricated Roof Curb	467.34	121.17
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	34.62	
			<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	81.35	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	15.45	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	71.45	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	96.45	
07 72 13 00-0267	EA		62-3/8" x 74-3/8" Outside Frame Dimensions, 2 x 12 Wood Framed With Liner, Prefabricated Roof Curb	433.14	111.07
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	32.21	
			<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	75.52	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	14.10	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	63.10	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	94.10	

07 72 23 Relief Vents (07 72)**07 72 23 00-0001 Wind Driven Turbine Ventilators (07 72 23)**

Note: Excludes curb or flange base.

07 72 23 00-0002 Galvanized Steel, Wind Driven Turbine Ventilators (07 72 23 00-0001)

07 72 23 00-0003	EA		6" Neck Diameter, 26 Gauge, Galvanized Steel, Outside Braced, Wind Driven Turbine Ventilator	103.78	32.23
			<i>For Curb Or Flange Base, Add</i>	131.29	
07 72 23 00-0004	EA		9" Neck Diameter, 26 Gauge, Galvanized Steel, Outside Braced, Wind Driven Turbine Ventilator	122.89	35.69
			<i>For Curb Or Flange Base, Add</i>	145.34	
07 72 23 00-0005	EA		12" Neck Diameter, 26 Gauge, Galvanized Steel, Outside Braced, Wind Driven Turbine Ventilator	135.69	42.59
			<i>For Curb Or Flange Base, Add</i>	165.77	
07 72 23 00-0006	EA		15" Neck Diameter, 26 Gauge, Galvanized Steel, Outside Braced, Wind Driven Turbine Ventilator	235.62	47.20
			<i>For Curb Or Flange Base, Add</i>	238.03	
07 72 23 00-0007	EA		18" Neck Diameter, 26 Gauge, Galvanized Steel, Outside Braced, Wind Driven Turbine Ventilator	316.02	52.95
			<i>For Curb Or Flange Base, Add</i>	260.00	
07 72 23 00-0008	EA		21" Neck Diameter, 26 Gauge, Galvanized Steel, Outside Braced, Wind Driven Turbine Ventilator	376.46	57.56
			<i>For Curb Or Flange Base, Add</i>	281.55	
07 72 23 00-0009	EA		24" Neck Diameter, 26 Gauge, Galvanized Steel, Outside Braced, Wind Driven Turbine Ventilator	474.92	64.46
			<i>For Curb Or Flange Base, Add</i>	337.65	
07 72 23 00-0010	EA		36" Neck Diameter, 26 Gauge, Galvanized Steel, Outside Braced, Wind Driven Turbine Ventilator	770.56	86.33
			<i>For Curb Or Flange Base, Add</i>	528.89	

07 72 23 00-0011 Mill Finish Aluminum, Wind Driven Turbine Ventilators (07 72 23 00-0001)

07 72 23 00-0012	EA		6" Neck Diameter, 0.025", Mill Finish Aluminum, Outside Braced, Wind Driven Turbine Ventilator	108.29	32.23
			<i>For Curb Or Flange Base, Add</i>	141.26	
07 72 23 00-0013	EA		9" Neck Diameter, 0.025", Mill Finish Aluminum, Outside Braced, Wind Driven Turbine Ventilator	132.70	35.69
			<i>For Curb Or Flange Base, Add</i>	156.37	
07 72 23 00-0014	EA		12" Neck Diameter, 0.025", Mill Finish Aluminum, Outside Braced, Wind Driven Turbine Ventilator	150.32	42.59
			<i>For Curb Or Flange Base, Add</i>	177.01	
07 72 23 00-0015	EA		15" Neck Diameter, 0.025", Mill Finish Aluminum, Outside Braced, Wind Driven Turbine Ventilator	250.14	47.20
			<i>For Curb Or Flange Base, Add</i>	273.75	
07 72 23 00-0016	EA		18" Neck Diameter, 0.025", Mill Finish Aluminum, Outside Braced, Wind Driven Turbine Ventilator	318.00	52.95
			<i>For Curb Or Flange Base, Add</i>	295.12	
07 72 23 00-0017	EA		21" Neck Diameter, 0.025", Mill Finish Aluminum, Outside Braced, Wind Driven Turbine Ventilator	396.36	57.56
			<i>For Curb Or Flange Base, Add</i>	329.61	
07 72 23 00-0018	EA		24" Neck Diameter, 0.025", Mill Finish Aluminum, Outside Braced, Wind Driven Turbine Ventilator	527.71	64.46
			<i>For Curb Or Flange Base, Add</i>	393.12	
07 72 23 00-0019	EA		36" Neck Diameter, 0.025", Mill Finish Aluminum, Outside Braced, Wind Driven Turbine Ventilator	780.28	86.33
			<i>For Curb Or Flange Base, Add</i>	579.54	

07 72 23 00-0020 Stationary Siphon Ventilators (07 72 23)

Note: Excludes curb or flange base.

07 72 23 00-0021 Galvanized Steel, Stationary Siphon Ventilators (07 72 23 00-0020)

07 72 23 00-0022	EA		6" Neck Diameter, 26 Gauge, Galvanized Steel, Stationary Siphon Ventilator	91.11	32.23
			<i>For Curb Or Flange Base, Add</i>	131.29	
07 72 23 00-0023	EA		9" Neck Diameter, 26 Gauge, Galvanized Steel, Stationary Siphon Ventilator	115.64	35.69
			<i>For Curb Or Flange Base, Add</i>	145.34	
07 72 23 00-0024	EA		12" Neck Diameter, 26 Gauge, Galvanized Steel, Stationary Siphon Ventilator	129.75	42.59
			<i>For Curb Or Flange Base, Add</i>	165.77	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 23 00-0025 EA 15" Neck Diameter, 26 Gauge, Galvanized Steel, Stationary Siphon Ventilator..... <i>For Curb Or Flange Base, Add</i>	203.09 238.03	47.20
07 72 23 00-0026 EA 18" Neck Diameter, 26 Gauge, Galvanized Steel, Stationary Siphon Ventilator..... <i>For Curb Or Flange Base, Add</i>	233.70 260.00	52.95
07 72 23 00-0027 EA 21" Neck Diameter, 26 Gauge, Galvanized Steel, Stationary Siphon Ventilator..... <i>For Curb Or Flange Base, Add</i>	318.28 281.55	57.56
07 72 23 00-0028 EA 24" Neck Diameter, 26 Gauge, Galvanized Steel, Stationary Siphon Ventilator..... <i>For Curb Or Flange Base, Add</i>	407.50 337.65	64.46
07 72 23 00-0029 EA 36" Neck Diameter, 26 Gauge, Galvanized Steel, Stationary Siphon Ventilator..... <i>For Curb Or Flange Base, Add</i>	585.59 528.89	86.33
07 72 23 00-0030 Mill Finish Aluminum, Stationary Siphon Ventilators (07 72 23 00-0020)		
07 72 23 00-0031 EA 6" Neck Diameter, 0.025", Mill Finish Aluminum, Stationary Siphon Ventilator..... <i>For Curb Or Flange Base, Add</i>	104.84 141.26	32.23
07 72 23 00-0032 EA 9" Neck Diameter, 0.025", Mill Finish Aluminum, Stationary Siphon Ventilator..... <i>For Curb Or Flange Base, Add</i>	134.76 156.37	35.69
07 72 23 00-0033 EA 12" Neck Diameter, 0.025", Mill Finish Aluminum, Stationary Siphon Ventilator..... <i>For Curb Or Flange Base, Add</i>	152.06 177.01	42.59
07 72 23 00-0034 EA 15" Neck Diameter, 0.025", Mill Finish Aluminum, Stationary Siphon Ventilator..... <i>For Curb Or Flange Base, Add</i>	233.87 273.75	47.20
07 72 23 00-0035 EA 18" Neck Diameter, 0.025", Mill Finish Aluminum, Stationary Siphon Ventilator..... <i>For Curb Or Flange Base, Add</i>	290.34 295.12	52.95
07 72 23 00-0036 EA 21" Neck Diameter, 0.025", Mill Finish Aluminum, Stationary Siphon Ventilator..... <i>For Curb Or Flange Base, Add</i>	351.41 329.61	57.56
07 72 23 00-0037 EA 24" Neck Diameter, 0.025", Mill Finish Aluminum, Stationary Siphon Ventilator..... <i>For Curb Or Flange Base, Add</i>	493.15 393.12	64.46
07 72 23 00-0038 EA 36" Neck Diameter, 0.025", Mill Finish Aluminum, Stationary Siphon Ventilator..... <i>For Curb Or Flange Base, Add</i>	736.11 579.54	86.33
07 72 23 00-0039 Spun Aluminum, Stationary Mushroom Gravity Ventilators (07 72 23)		
Note: Includes flange base and bird screen. Excludes curb.		
07 72 23 00-0040 EA 8" Orifice Diameter, Spun Aluminum, Stationary Mushroom Gravity Ventilator..... <i>For Backdraft Damper, Add</i> <i>For Curb Base, Add</i>	228.37 93.87 164.12	51.80
07 72 23 00-0041 EA 10" Orifice Diameter, Spun Aluminum, Stationary Mushroom Gravity Ventilator..... <i>For Backdraft Damper, Add</i> <i>For Curb Base, Add</i>	275.31 102.71 179.82	57.56
07 72 23 00-0042 EA 12" Orifice Diameter, Spun Aluminum, Stationary Mushroom Gravity Ventilator..... <i>For Backdraft Damper, Add</i> <i>For Curb Base, Add</i>	315.14 140.26 226.17	69.06
07 72 23 00-0043 EA 16" Orifice Diameter, Spun Aluminum, Stationary Mushroom Gravity Ventilator..... <i>For Backdraft Damper, Add</i> <i>For Curb Base, Add</i>	376.58 160.14 260.16	75.98
07 72 23 00-0044 EA 24" Orifice Diameter, Spun Aluminum, Stationary Mushroom Gravity Ventilator..... <i>For Backdraft Damper, Add</i> <i>For Curb Base, Add</i>	909.49 201.00 344.22	103.60
07 72 23 00-0045 EA 30" Orifice Diameter, Spun Aluminum, Stationary Mushroom Gravity Ventilator..... <i>For Backdraft Damper, Add</i> <i>For Curb Base, Add</i>	1,104.39 237.44 409.54	119.72
07 72 23 00-0046 EA 36" Orifice Diameter, Spun Aluminum, Stationary Mushroom Gravity Ventilator..... <i>For Backdraft Damper, Add</i> <i>For Curb Base, Add</i>	1,481.75 237.44 432.45	138.14
07 72 23 00-0047 EA 42" Orifice Diameter, Spun Aluminum, Stationary Mushroom Gravity Ventilator..... <i>For Backdraft Damper, Add</i> <i>For Curb Base, Add</i>	2,041.74 248.49 451.18	149.65
07 72 23 00-0048 EA 48" Orifice Diameter, Spun Aluminum, Stationary Mushroom Gravity Ventilator..... <i>For Backdraft Damper, Add</i> <i>For Curb Base, Add</i>	2,887.77 276.10 504.15	161.15
07 72 23 00-0049 Galvanized Steel, Stationary Gooseneck Ventilators (07 72 23)		
Note: Includes flange base and bird screen. Excludes curb.		
07 72 23 00-0050 EA 8" x 8", 26 Gauge, Galvanized Steel, Stationary Gooseneck Ventilator.....	356.07	57.56
07 72 23 00-0051 EA 12" x 12", 26 Gauge, Galvanized Steel, Stationary Gooseneck Ventilator.....	427.13	75.98
07 72 23 00-0052 EA 16" x 16", 26 Gauge, Galvanized Steel, Stationary Gooseneck Ventilator.....	608.52	103.60
07 72 23 00-0053 EA 24" x 24", 26 Gauge, Galvanized Steel, Stationary Gooseneck Ventilator.....	898.48	119.72
07 72 26 Ridge Vents (07 72)		
07 72 26 00-0001 Aluminum Ridge Vents (07 72 26)		
07 72 26 00-0002 LF Aluminum Ridge Vent Strips.....	9.34	3.34
07 72 26 00-0003 EA Aluminum Ridge Univent Connectors.....	48.12	20.72
07 72 26 00-0004 EA Aluminum Ridge Univent End Cap.....	46.97	20.72
07 72 26 00-0005 Galvanized Ridge Vents (07 72 26)		
07 72 26 00-0006 LF Galvanized Sheet Metal Ridge Vent Strips.....	10.80	3.57
07 72 29 Rafter Vent (07 72)		

07	Thermal And Moisture Protection
07 70	Roof And Wall Specialties And Accessories
07 72	Roof Accessories



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

07 72 29 00-0001	Rafter Vent (07 72 29)		
	Note: Built-in baffle is designed to help keep air flowing freely from soffits to ridge vents.		
07 72 29 00-0002	EA 22" x 4' Rafter Vent.....	8.00	
07 72 29 00-0003	EA 14" x 4' Rafter Vent.....	7.46	
07 72 33	Roof Hatches (07 72)		
	Note: Includes curb with integral insulation, lockable hatch and gaskets.		
07 72 33 00-0001	Galvanized Steel Cover And Curb (07 72 33)		
07 72 33 00-0002	EA 2'-6" x 3'-0" Galvanized Steel Roof Hatch (Bilco S-20).....	940.72	142.39
07 72 33 00-0003	EA 2'-6" x 4'-6" Galvanized Steel Roof Hatch (Bilco NB-20).....	1,347.79	158.22
07 72 33 00-0004	EA 2'-6" x 8'-0" Galvanized Steel Roof Hatch (Bilco L-20).....	2,339.00	215.77
07 72 33 00-0005	EA 3'-0" x 3'-0" Galvanized Steel Roof Hatch (Bilco E-20).....	1,322.55	158.22
07 72 33 00-0006	EA 4'-0" x 4'-0" Galvanized Steel Roof Hatch.....	1,490.57	175.82
07 72 33 00-0007	EA 3'-0" x 8'-0" Galvanized Steel Roof Hatch.....	2,415.50	239.80
07 72 33 00-0008	Aluminum Cover And Curb (07 72 33)		
07 72 33 00-0009	EA 2'-6" x 3'-0" Aluminum Roof Hatch (Bilco S-50).....	1,056.01	142.39
07 72 33 00-0010	EA 2'-6" x 4'-6" Aluminum Roof Hatch (Bilco NB-50).....	1,365.32	158.22
07 72 33 00-0011	EA 2'-6" x 8'-0" Aluminum Roof Hatch (Bilco L-50).....	2,462.26	215.77
07 72 33 00-0012	EA 3'-0" x 3'-0" Aluminum Roof Hatch (Bilco E-50).....	1,333.70	158.22
07 72 33 00-0013	EA 4'-0" x 4'-0" Aluminum Roof Hatch (Bilco F-50).....	2,350.75	175.82
07 72 33 00-0014	EA 3'-0" x 8'-0" Aluminum Roof Hatch.....	2,593.49	239.80
07 72 33 00-0015	EA 3'-0" x 2'-6" Aluminum Roof Scuttle With Skylight (Bilco GS-50).....	1,489.55	158.22
07 72 33 00-0016	Steel, Plain, Primed (07 72 33)		
07 72 33 00-0017	EA 2'-6" x 3'-0" Plain Steel Roof Hatch Primed (Bilco S-20).....	905.85	142.39
07 72 33 00-0018	EA 2'-6" x 4'-6" Plain Steel Roof Hatch Primed (Bilco NB-20).....	1,202.97	158.22
07 72 33 00-0019	EA 2'-6" x 8'-0" Plain Steel Roof Hatch Primed (Bilco L-20).....	1,647.35	215.77
07 72 33 00-0020	EA 3'-0" x 3'-0" Plain Steel Roof Hatch Primed (Bilco E-20).....	1,116.67	158.22
07 72 33 00-0021	EA 4'-0" x 4'-0" Plain Steel Roof Hatch Primed.....	1,357.75	175.82
07 72 33 00-0022	EA 3'-0" x 8'-0" Plain Steel Roof Hatch Primed.....	1,844.36	239.80
07 72 33 00-0023	Stainless Steel (07 72 33)		
07 72 33 00-0024	EA 2'-6" x 3'-0" Stainless Steel Roof Hatch (Bilco S-90).....	2,301.93	142.39
07 72 33 00-0025	EA 2'-6" x 4'-6" Stainless Steel Roof Hatch (Bilco NB-90).....	4,374.66	158.22
07 72 33 00-0026	EA 2'-6" x 8'-0" Stainless Steel Roof Hatch (Bilco L-90).....	6,572.62	215.77
07 72 33 00-0027	EA 3'-0" x 3'-0" Stainless Steel Roof Hatch (Bilco E-90).....	3,516.16	158.22
07 72 33 00-0028	EA 4'-0" x 4'-0" Stainless Steel Roof Hatch.....	7,392.14	175.82
07 72 33 00-0029	EA 3'-0" x 8'-0" Stainless Steel Roof Hatch.....	8,289.58	239.80
07 72 33 00-0030	Remove And Reinstall Roof Hatch (07 72 33)		
	Note: Includes storage, cleaning and supply materials.		
07 72 33 00-0031	EA Removal And Reinstallation Of Roof Hatch (All Types).....	437.99	
07 72 33 00-0032	Aluminum Cover And Galvanized Steel Curb (07 72 33)		
07 72 33 00-0033	EA Aluminum Cover, Galvanized Steel Curb 3'-0" x 2'-6" Roof (Bilco S-40).....	1,024.13	158.22
07 72 33 00-0034	EA Aluminum Cover, Galvanized Steel Curb 2'-6" x 4'-6" Roof (Bilco NB-40).....	1,333.44	175.82
07 72 33 00-0035	EA Aluminum Cover, Galvanized Steel Curb 2'-6" x 8'-0" Roof (Bilco L-40).....	2,379.38	239.70
07 72 33 00-0036	EA Aluminum Cover, Galvanized Steel Curb 3'-0" x 3'-0" Roof (Bilco E-40).....	1,308.20	163.16
07 72 33 00-0037	EA Aluminum Cover, Galvanized Steel Curb 4'-0" x 4'-0" Roof (Bilco F-40).....	2,280.62	180.76
07 72 33 00-0038	Roof Hatch Accessories (07 72 33)		
07 72 33 00-0039	EA Roof Hatch Ladderup Safety Post (Bilco LU-1).....	601.00	74.17
07 72 36	Smoke Vents (07 72)		
07 72 36 00-0001	Fire Vent (07 72 36)		
07 72 36 00-0002	Galvanized Steel Covers And Curb (07 72 36 00-0001)		
07 72 36 00-0003	EA 4'-0" x 4'-0" Galvanized Steel Covers And Curb, Smoke And Fire Vent (Bilco DSH-4848).....	2,269.85	131.91
07 72 36 00-0004	EA 4'-0" x 6'-0" Galvanized Steel Covers And Curb, Smoke And Fire Vent (Bilco DSH-4872).....	2,622.94	181.36
07 72 36 00-0005	EA 4'-0" x 7'-6" Galvanized Steel Covers And Curb, Smoke And Fire Vent (Bilco DSH-4890).....	2,986.38	197.88
07 72 36 00-0006	EA 4'-0" x 8'-0" Galvanized Steel Covers And Curb, Smoke And Fire Vent (Bilco DSH-4896).....	3,047.70	207.76
07 72 36 00-0007	EA 5'-0" x 5'-0" Galvanized Steel Covers And Curb, Smoke And Fire Vent (Bilco DSH-6060).....	3,512.87	181.36
07 72 36 00-0008	EA 5'-0" x 6'-0" Galvanized Steel Covers And Curb, Smoke And Fire Vent (Bilco DSH-6072).....	3,736.84	197.88
07 72 36 00-0009	EA 5'-0" x 7'-0" Galvanized Steel Covers And Curb, Smoke And Fire Vent (Bilco DSH-6084).....	3,947.49	214.39
07 72 36 00-0010	EA 5'-0" x 8'-0" Galvanized Steel Covers And Curb, Smoke And Fire Vent (Bilco DSH-6096).....	4,490.23	230.90
07 72 36 00-0011	EA 5'-0" x 10'-0" Galvanized Steel Covers And Curb, Smoke And Fire Vent (Bilco DSH-60120).....	5,557.64	247.32
07 72 36 00-0012	EA 5'-6" x 5'-6" Galvanized Steel Covers And Curb, Smoke And Fire Vent (Bilco DSH-6666).....	3,741.61	214.39
07 72 36 00-0013	EA 5'-6" x 12'-0" Galvanized Steel Covers And Curb, Smoke And Fire Vent (Bilco DSH-66114).....	7,800.53	263.83
07 72 36 00-0014	EA 6'-0" x 6'-0" Galvanized Steel Covers And Curb, Smoke And Fire Vent (Bilco DSH-7272).....	4,325.32	280.34



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 36 00-0015				Aluminum Covers And Galvanized Steel Curb (07 72 36 00-0001)		
	EA			4'-0" x 4'-0" Aluminum Covers And Galvanized Steel Curb, Smoke And Fire Vent (Bilco DSH-4848A)	2,263.47	131.91
	EA			4'-0" x 6'-0" Aluminum Covers And Galvanized Steel Curb, Smoke And Fire Vent (Bilco DSH-4872A)	2,599.03	181.36
	EA			4'-0" x 7'-6" Aluminum Covers And Galvanized Steel Curb, Smoke And Fire Vent (Bilco DSH-4890A)	2,923.42	197.88
	EA			4'-0" x 8'-0" Aluminum Covers And Galvanized Steel Curb, Smoke And Fire Vent (Bilco DSH-4896A)	3,027.51	207.76
	EA			5'-0" x 5'-0" Aluminum Covers And Galvanized Steel Curb, Smoke And Fire Vent (Bilco DSH-6060A)	2,936.94	181.36
	EA			5'-0" x 6'-0" Aluminum Covers And Galvanized Steel Curb, Smoke And Fire Vent (Bilco DSH-6072A)	3,745.87	197.88
	EA			5'-0" x 7'-0" Aluminum Covers And Galvanized Steel Curb, Smoke And Fire Vent (Bilco DSH-6084A)	4,006.47	214.39
	EA			5'-0" x 8'-0" Aluminum Covers And Galvanized Steel Curb, Smoke And Fire Vent (Bilco DSH-6096A)	3,903.67	230.90
	EA			5'-0" x 10'-0" Aluminum Covers And Galvanized Steel Curb, Smoke And Fire Vent (Bilco DSH-60120A)	5,471.30	247.32
	EA			5'-6" x 5'-6" Aluminum Covers And Galvanized Steel Curb, Smoke And Fire Vent (Bilco DSH-6666A)	3,783.32	214.39
	EA			5'-6" x 12'-0" Aluminum Covers And Galvanized Steel Curb, Smoke And Fire Vent (Bilco DSH-66144A)	7,166.43	263.83
	EA			6'-0" x 6'-0" Aluminum Covers And Galvanized Steel Curb, Smoke And Fire Vent (Bilco DSH-7272A)	3,722.82	280.34
07 72 36 00-0028				Aluminum Covers And Curb (07 72 36 00-0001)		
	EA			4'-0" x 4'-0" Aluminum Covers And Curb, Smoke And Fire Vent (Bilco DSH-4848B)	2,467.49	131.91
	EA			4'-0" x 6'-0" Aluminum Covers And Curb, Smoke And Fire Vent (Bilco DSH-4872B)	2,936.94	181.36
	EA			4'-0" x 7'-6" Aluminum Covers And Curb, Smoke And Fire Vent (Bilco DSH-4890B)	3,223.07	197.88
	EA			4'-0" x 8'-0" Aluminum Covers And Curb, Smoke And Fire Vent (Bilco DSH-4896B)	3,410.04	207.76
	EA			5'-0" x 5'-0" Aluminum Covers And Curb, Smoke And Fire Vent (Bilco DSH-6060B)	3,089.96	181.36
	EA			5'-0" x 6'-0" Aluminum Covers And Curb, Smoke And Fire Vent (Bilco DSH-6072B)	3,905.26	197.88
	EA			5'-0" x 7'-0" Aluminum Covers And Curb, Smoke And Fire Vent (Bilco DSH-6084B)	4,146.73	214.39
	EA			5'-0" x 8'-0" Aluminum Covers And Curb, Smoke And Fire Vent (Bilco DSH-6096B)	4,286.21	230.90
	EA			5'-0" x 10'-0" Aluminum Covers And Curb, Smoke And Fire Vent (Bilco DSH-60120B)	5,197.15	247.32
	EA			5'-6" x 5'-6" Aluminum Covers And Curb, Smoke And Fire Vent (Bilco DSH-6666B)	3,961.84	214.39
	EA			5'-6" x 12'-0" Aluminum Covers And Curb, Smoke And Fire Vent (Bilco DSH-66114B)	7,823.11	263.83
	EA			6'-0" x 6'-0" Aluminum Covers And Curb, Smoke And Fire Vent (Bilco DSH-7272B)	4,105.36	280.34
07 72 36 00-0041				Polycarbonate Translucent Cover With Aluminum Frame And Aluminum Curb (07 72 36)		
	EA			4'-0" x 4'-0" Polycarbonate Translucent Cover With Aluminum Frame And Aluminum Curb, Smoke And Fire Vent (Bilco LV4848B).....	2,441.99	131.52
	EA			4'-0" x 6'-0" Polycarbonate Translucent Cover With Aluminum Frame And Aluminum Curb, Smoke And Fire Vent (Bilco LV4872B).....	3,096.32	181.36
	EA			4'-0" x 8'-0" Polycarbonate Translucent Cover With Aluminum Frame And Aluminum Curb, Smoke And Fire Vent (Bilco LV4896B).....	3,276.14	207.76
	EA			5'-0" x 5'-0" Polycarbonate Translucent Cover With Aluminum Frame And Aluminum Curb, Smoke And Fire Vent (Bilco LV6060B).....	3,510.74	181.36
	EA			5'-0" x 8'-0" Polycarbonate Translucent Cover With Aluminum Frame And Aluminum Curb, Smoke And Fire Vent (Bilco LV6096B).....	3,712.42	230.90
07 72 46				Roof Walkways (07 72)		
07 72 46 00-0001				Recycled Rubber Walkway Pads (07 72 46)		
	SF			3/8" Thick, Button Surface, Recycled Rubber Walkway Pad	7.28	1.96
				<i>For Diamond Surface, Add</i>	0.55	
	SF			1/2" Thick, Button Surface, Recycled Rubber Walkway Pad	8.06	2.36
				<i>For Diamond Surface, Add</i>	0.65	
	SF			3/4" Thick, Button Surface, Recycled Rubber Walkway Pad	8.89	2.36
				<i>For Diamond Surface, Add</i>	0.72	
07 72 53				Snow Guards (07 72)		
07 72 53 00-0001				Snow Guards For Shingle And Tile Roofs (07 72 53)		
	EA			6-5/8" Length, 1-1/2" Width, Copper Snow Guards For Shingle And Tile Roofs.....	13.17	1.91
	EA			6-5/8" Length, 1-1/2" Width, Lead Coated Copper Snow Guards For Shingle And Tile Roofs	14.35	1.91
	EA			6-5/8" Length, 1-1/2" Width, Stainless Steel Snow Guards For Shingle And Tile Roofs.....	13.57	1.91
	EA			6-5/8" Length, 1-1/2" Width, Aluminum Snow Guards For Shingle And Tile Roofs.....	8.14	1.91
07 72 53 00-0006				Snow Guards For Metal Roofs (07 72 53)		
				Note: Aluminum construction.		
	EA			Mill Finish, Up To 9/32" Seams, Standing Seam Metal Roof Snow Guard (Berger Real Tool® RT 300)	18.24	4.11
	EA			Black Primer Finish, Up To 9/32" Seams, Standing Seam Metal Roof Snow Guard (Berger Real Tool® RT 300)	20.00	4.11
	EA			Bronze Finish, Up To 9/32" Seams, Standing Seam Metal Roof Snow Guard (Berger Real Tool® RT 300)	28.35	4.11
	EA			Painted Finish, Up To 9/32" Seams, Standing Seam Metal Roof Snow Guard (Berger Real Tool® RT 300).....	27.98	4.11
	EA			Mill Finish, Up To 1/2" Seams, Standing Seam Metal Roof Snow Guard (Berger Real Tool® AP 516)	26.85	4.80
	EA			Black Primer Finish, Up To 1/2" Seams, Standing Seam Metal Roof Snow Guard (Berger Real Tool® AP 516).....	29.07	4.80
	EA			Painted Finish, Up To 1/2" Seams, Standing Seam Metal Roof Snow Guard (Berger Real Tool® AP 516).....	35.60	4.80
	EA			Mill Finish, Adhesive Surface Mount, Metal Roof Snow Guard (Berger Real Tool® SM)	15.94	3.61
				<i>For Mechanically Fastened, Add</i>	7.19	
	EA			Black Primer Finish, Adhesive Surface Mount, Metal Roof Snow Guard (Berger Real Tool® SM)	17.77	3.61
				<i>For Mechanically Fastened, Add</i>	7.19	
	EA			Painted Finish, Adhesive Surface Mount, Metal Roof Snow Guard (Berger Real Tool® SM).....	24.00	3.61
				<i>For Mechanically Fastened, Add</i>	7.19	

07	Thermal And Moisture Protection
07 70	Roof And Wall Specialties And Accessories
07 72	Roof Accessories



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 53 00-0017 EA Polycarbonate, Adhesive Surface Mount, Metal Roof Snow Guard (Zaleski #15) Note: Can be used for metal, rubber, PVC, TPO or glass roofing. For Mechanically Fastened, Add	11.04 9.59	3.61
07 72 53 00-0018 Snow Breaker For Roofs (07 72 53)		
07 72 53 00-0019 EA Up To 50 Each, 2.875" Tall Plastic Snow Breaker, Adhesive Mount	13.07	4.80
07 72 53 00-0020 EA >50 To 150 Each, 2.875" Tall Plastic Snow Breaker, Adhesive Mount	12.50	4.80
07 72 53 00-0021 EA >150 To 500 Each, 2.875" Tall Plastic Snow Breaker, Adhesive Mount	12.22	4.80
07 72 53 00-0022 EA >500 Each, 2.875" Tall Plastic Snow Breaker, Adhesive Mount	11.88	4.80
07 72 53 00-0023 Ice Breaker For Vents (07 72 53)		
07 72 53 00-0024 EA Ice Breaker For Vents Up to 4", Mechanically Fastened	86.22	
07 72 53 00-0025 EA Ice Breaker For Vents And Stacks >4" To 14" Diameter, Mechanically Fastened	98.66	
07 72 53 00-0026 Pipe Style, Snow Guards For Metal Roofs (07 72 53)		
07 72 53 00-0027 Pipe Style, Standing Seam Metal Roof Snow Guard Clamps (07 72 53 00-0026) Note: Aluminum construction. Includes clamp for attaching to standing seam. Excludes tubing.		
07 72 53 00-0028 EA Single Tube, "U" Clamp, Pipe Style, Standing Seam Metal Roof Snow Guard Clamp (Alpine SnowGuards® 2000)	46.71	14.39
07 72 53 00-0029 EA Single Tube, "T2 or Z2K" Clamp, Pipe Style, Standing Seam Metal Roof Snow Guard Clamp (Alpine SnowGuards® 2000)	53.62	14.39
07 72 53 00-0030 EA Double Tube, "U" Clamp, Pipe Style, Standing Seam Metal Roof Snow Guard Clamp (Alpine SnowGuards® 4000)	59.13	14.39
07 72 53 00-0031 EA Double Tube, "T2K or Z2K" Clamp, Pipe Style, Standing Seam Metal Roof Snow Guard Clamp (Alpine SnowGuards® 4000)	70.99	14.39
07 72 53 00-0032 EA Triple Tube, "U" Clamp, Pipe Style, Standing Seam Metal Roof Snow Guard Clamp (Alpine SnowGuards® 6000)	74.94	17.27
07 72 53 00-0033 Tubing For Snow Guard Clamps (07 72 53 00-0026)		
07 72 53 00-0034 LF 1" Outside Diameter Aluminum Tubing For Snow Guard Clamps (Alpine SnowGuards®)	10.13	3.46
Note: Includes end caps, collars and couplings.		
07 72 53 00-0035 LF 1" Outside Diameter Brass Or Stainless Steel Tubing For Snow Guard Clamps (Alpine SnowGuards®)	17.46	3.46
Note: Includes end caps, collars and couplings.		
07 72 56 Snow/Ice Melt (07 72)		
07 72 56 00-0001 Self Regulating Heating Cable For Roofs And Gutters (07 72 56)		
07 72 56 00-0002 LF 12 Watt, 120 Volt, Self Regulating Low Temperature Cable For Roofs And Gutters	9.19	1.04
Note: Nickel-coated copper braided cable with weatherproof jacket.		
07 72 56 00-0003 LF 12 Watt, 208/277 Volt Self Regulating Low Temperature Cable For Roofs And Gutters	9.84	1.04
Note: Nickel-coated copper braided cable with weatherproof jacket.		
07 72 56 00-0004 EA Power Connection, End Seal And Warning Labels Kit For Self Regulating Heating Cable For Roofs And Gutters	192.81	77.92
07 72 56 00-0005 EA Splice Kit For Self Regulating Heating Cable For Roofs And Gutters	145.38	57.15
07 72 56 00-0006 EA Roof Clips For Self Regulating Heating Cable For Roofs And Gutters	17.38	3.12
For >5, Deduct	-3.12	
07 72 56 00-0007 EA Downspout Hanger Kit For Self Regulating Heating Cable For Roofs And Gutters	62.89	7.79
07 72 56 00-0008 EA 120 Volt AC, Snow Switch, Automatic Control For Melting Snow	588.25	62.33
07 72 56 00-0009 EA Automatic Gutter Ice Melting Control	801.32	77.92
07 72 63 Waste Containment Assemblies (07 72)		
07 72 63 00-0001 Rooftop Oil And Grease Containment System (07 72 63)		
07 72 63 00-0002 Light Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD-E) (07 72 63 00-0001)		
07 72 63 00-0003 EA 48" Length, 48" Width, 3.5" Height, Light Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD100-E)	1,658.97	152.75
07 72 63 00-0004 EA 60" Length, 60" Width, 3.5" Height, Light Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD101-E)	1,842.83	152.75
07 72 63 00-0005 EA 60" Length, 90" Width, 3.5" Height, Light Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD106-E)	2,242.88	158.85
07 72 63 00-0006 EA 72" Length, 72" Width, 3.5" Height, Light Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD102-E)	2,232.37	158.85
07 72 63 00-0007 EA 72" Length, 108" Width, 3.5" Height, Light Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD103-E)	2,893.25	171.84
07 72 63 00-0008 EA 72" Length, 144" Width, 3.5" Height, Light Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD111-E)	2,281.07	171.84
07 72 63 00-0009 EA 90" Length, 90" Width, 3.5" Height, Light Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD105-E)	2,549.94	203.61
07 72 63 00-0010 EA 108" Length, 108" Width, 3.5" Height, Light Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD112-E)	3,727.36	254.55
07 72 63 00-0011 EA 120" Length, 120" Width, 3.5" Height, Light Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD107-E)	4,589.12	254.55
07 72 63 00-0012 EA 144" Length, 144" Width, 3.5" Height, Light Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD113-E)	5,771.42	254.55



			MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 63 00-0013			Heavy Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD) <small>(07 72 63 00-0001)</small>		
07 72 63 00-0014	EA		48" Length, 48" Width, 3.5" Height, Heavy Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD100)	2,018.87	152.75
07 72 63 00-0015	EA		60" Length, 60" Width, 3.5" Height, Heavy Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD101)	2,257.96	152.75
07 72 63 00-0016	EA		60" Length, 90" Width, 3.5" Height, Heavy Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD106)	2,770.98	158.85
07 72 63 00-0017	EA		72" Length, 72" Width, 3.5" Height, Heavy Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD102)	2,818.29	158.85
07 72 63 00-0018	EA		72" Length, 108" Width, 3.5" Height, Heavy Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD103)	3,988.85	171.84
07 72 63 00-0019	EA		72" Length, 144" Width, 3.5" Height, Heavy Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD111)	4,364.56	171.84
07 72 63 00-0020	EA		90" Length, 90" Width, 3.5" Height, Heavy Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD105)	4,084.31	203.61
07 72 63 00-0021	EA		108" Length, 108" Width, 3.5" Height, Heavy Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD112)	4,615.39	254.55
07 72 63 00-0022	EA		120" Length, 120" Width, 3.5" Height, Heavy Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD107)	5,737.27	254.55
07 72 63 00-0023	EA		144" Length, 144" Width, 3.5" Height, Heavy Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD113)	7,274.26	254.55
07 72 63 00-0024			Replacement Filter Sets For Rooftop Oil And Grease Containment System <small>(07 72 63)</small>		
			Note: Includes removing old filters and installing new filters.		
07 72 63 00-0025			Top And Center Replacement Filter Sets For Rooftop Oil And Grease Containment System <small>(07 72 63 00-0024)</small>		
07 72 63 00-0026			Light Duty, Top And Center Replacement Filter Sets For Rooftop Oil And Grease Containment System <small>(07 72 63 00-0025)</small>		
07 72 63 00-0027	SET		48" Length, 48" Width, 3.5" Height, Light Duty, Top And Center Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL100-E)	134.45	
07 72 63 00-0028	SET		60" Length, 60" Width, 3.5" Height, Light Duty, Top And Center Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL101-E)	187.00	
07 72 63 00-0029	SET		60" Length, 90" Width, 3.5" Height, Light Duty, Top And Center Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL106-E)	265.81	
07 72 63 00-0030	SET		72" Length, 72" Width, 3.5" Height, Light Duty, Top And Center Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL102-E)	247.18	
07 72 63 00-0031	SET		72" Length, 108" Width, 3.5" Height, Light Duty, Top And Center Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL103-E)	457.37	
07 72 63 00-0032	SET		72" Length, 144" Width, 3.5" Height, Light Duty, Top And Center Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL111-E)	462.62	
07 72 63 00-0033	SET		90" Length, 90" Width, 3.5" Height, Light Duty, Top And Center Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL105-E)	359.92	
07 72 63 00-0034	SET		108" Length, 108" Width, 3.5" Height, Light Duty, Top And Center Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL112-E)	465.01	
07 72 63 00-0035	SET		120" Length, 120" Width, 3.5" Height, Light Duty, Top And Center Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL107-E)	677.83	
07 72 63 00-0036	SET		144" Length, 144" Width, 3.5" Height, Light Duty, Top And Center Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL113-E)	890.64	
07 72 63 00-0037			Complete Replacement Filter Sets For Rooftop Oil And Grease Containment System <small>(07 72 63 00-0024)</small>		
07 72 63 00-0038			Light Duty, Complete Replacement Filter Sets For Rooftop Oil And Grease Containment System <small>(07 72 63 00-0037)</small>		
07 72 63 00-0039	SET		48" Length, 48" Width, 3.5" Height, Light Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL100-EC)	277.26	
07 72 63 00-0040	SET		60" Length, 60" Width, 3.5" Height, Light Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL101-EC)	366.60	
07 72 63 00-0041	SET		60" Length, 90" Width, 3.5" Height, Light Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL106-EC)	529.50	
07 72 63 00-0042	SET		72" Length, 72" Width, 3.5" Height, Light Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL102-EC)	495.09	
07 72 63 00-0043	SET		72" Length, 108" Width, 3.5" Height, Light Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL103-EC)	944.37	
07 72 63 00-0044	SET		72" Length, 144" Width, 3.5" Height, Light Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL111-EC)	949.62	
07 72 63 00-0045	SET		90" Length, 90" Width, 3.5" Height, Light Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL105-EC)	707.66	
07 72 63 00-0046	SET		108" Length, 108" Width, 3.5" Height, Light Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL112-EC)	952.01	
07 72 63 00-0047	SET		120" Length, 120" Width, 3.5" Height, Light Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL107-EC)	1,390.77	
07 72 63 00-0048	SET		144" Length, 144" Width, 3.5" Height, Light Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL113-EC)	1,847.93	

07	Thermal And Moisture Protection
07 70	Roof And Wall Specialties And Accessories
07 72	Roof Accessories



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

07 72 63 00-0049	Heavy Duty, Complete Replacement Filter Sets For Rooftop Oil And Grease Containment System (07 72 63 00-0037)		
07 72 63 00-0050	SET 48" Length, 48" Width, 3.5" Height, Heavy Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL100-C).....	342.95	
07 72 63 00-0051	SET 60" Length, 60" Width, 3.5" Height, Heavy Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL101-C).....	424.40	
07 72 63 00-0052	SET 60" Length, 90" Width, 3.5" Height, Heavy Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL106-C).....	618.82	
07 72 63 00-0053	SET 72" Length, 72" Width, 3.5" Height, Heavy Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL102-C).....	587.05	
07 72 63 00-0054	SET 72" Length, 108" Width, 3.5" Height, Heavy Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL103-C).....	1,136.16	
07 72 63 00-0055	SET 72" Length, 144" Width, 3.5" Height, Heavy Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL111-C).....	1,130.91	
07 72 63 00-0056	SET 90" Length, 90" Width, 3.5" Height, Heavy Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL105-C).....	828.53	
07 72 63 00-0057	SET 108" Length, 108" Width, 3.5" Height, Heavy Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL112-C).....	1,143.80	
07 72 63 00-0058	SET 120" Length, 120" Width, 3.5" Height, Heavy Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL107-C).....	1,600.96	
07 72 63 00-0059	SET 144" Length, 144" Width, 3.5" Height, Heavy Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL113-C).....	2,223.64	

07 73 Roof Protection Board (07 70)

07 73 00 00-0001 Roof Protection Board (Georgia-Pacific DensDeck®) (07 73)

Note: Use these items for specified related installations with systems per CSI section 07 50 00. Items are for single layer of panels attached per FM I-90 requirements. Types are stock sizes set in cold applied adhesive. Apply modifiers for specified alternate attachment.

07 73 00 00-0002	SF 1/4" Thick, Fiberglass Mat Faced, Moisture Resistant Gypsum Core, Roof Protection Board (Georgia-Pacific DensDeck®).....	2.37	0.38
	<i>For No Adhesive, Deduct</i>	-0.48	
	<i>For Hot-Mopped, Deduct</i>	-0.08	
	<i>For Mechanically Fastened To Wood Or Steel, Deduct</i>	-0.14	
	<i>For Mechanically Fastened To Concrete, Add</i>	0.39	
	<i>For Mechanically Fastened To Gypsum, Add</i>	0.54	
07 73 00 00-0003	SF 1/2" Thick, Fiberglass Mat Faced, Moisture Resistant Gypsum Core, Roof Protection Board (Georgia-Pacific DensDeck®).....	2.68	0.42
	<i>For No Adhesive, Deduct</i>	-0.50	
	<i>For Hot-Mopped, Deduct</i>	-0.06	
	<i>For Mechanically Fastened To Wood Or Steel, Deduct</i>	-0.14	
	<i>For Mechanically Fastened To Concrete, Add</i>	0.45	
	<i>For Mechanically Fastened To Gypsum, Add</i>	0.60	
07 73 00 00-0004	SF 5/8" Thick, Fiberglass Mat Faced, Moisture Resistant Gypsum Core, Roof Protection Board (Georgia-Pacific DensDeck®).....	2.83	0.46
	<i>For No Adhesive, Deduct</i>	-0.51	
	<i>For Hot-Mopped, Deduct</i>	-0.05	
	<i>For Mechanically Fastened To Wood Or Steel, Deduct</i>	-0.14	
	<i>For Mechanically Fastened To Concrete, Add</i>	0.49	
	<i>For Mechanically Fastened To Gypsum, Add</i>	0.64	
07 73 00 00-0005	SF 1/4" Thick, Surface Primed, Fiberglass Mat Faced, Moisture Resistant Gypsum Core, Roof Protection Board (Georgia-Pacific DensDeck® Prime).....	2.40	0.38
	<i>For No Adhesive, Deduct</i>	-0.48	
	<i>For Hot-Mopped, Deduct</i>	-0.08	
	<i>For Mechanically Fastened To Wood Or Steel, Deduct</i>	-0.14	
	<i>For Mechanically Fastened To Concrete, Add</i>	0.39	
	<i>For Mechanically Fastened To Gypsum, Add</i>	0.54	
07 73 00 00-0006	SF 1/2" Thick, Surface Primed, Fiberglass Mat Faced, Moisture Resistant Gypsum Core, Roof Protection Board (Georgia-Pacific DensDeck® Prime).....	2.72	0.42
	<i>For No Adhesive, Deduct</i>	-0.50	
	<i>For Hot-Mopped, Deduct</i>	-0.06	
	<i>For Mechanically Fastened To Wood Or Steel, Deduct</i>	-0.14	
	<i>For Mechanically Fastened To Concrete, Add</i>	0.45	
	<i>For Mechanically Fastened To Gypsum, Add</i>	0.60	
07 73 00 00-0007	SF 5/8" Thick, Surface Primed, Fiberglass Mat Faced, Moisture Resistant Gypsum Core, Roof Protection Board (Georgia-Pacific DensDeck® Prime).....	2.87	0.46
	<i>For No Adhesive, Deduct</i>	-0.51	
	<i>For Hot-Mopped, Deduct</i>	-0.05	
	<i>For Mechanically Fastened To Wood Or Steel, Deduct</i>	-0.14	
	<i>For Mechanically Fastened To Concrete, Add</i>	0.49	
	<i>For Mechanically Fastened To Gypsum, Add</i>	0.64	

07 76 Roof Pavers (07 70)

07 76 16 Roof Decking Pavers (07 76)

07 76 16 00-0001 Roof Pavers (07 76 16)

Note: For walkway application over roofing system.

07 76 16 00-0002	SF Up To 100 SF, 2" Concrete Roof Paver.....	10.83	5.11
	<i>For 1-1/2" Thickness, Deduct</i>	-0.89	
	<i>For 2-1/2" Thickness, Add</i>	0.89	
	<i>For 3" Thickness, Add</i>	1.77	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 76 16 00-0003 SF >100 To 200 SF, 2" Concrete Roof Paver <i>For 1-1/2" Thickness, Deduct</i> <i>For 2-1/2" Thickness, Add</i> <i>For 3" Thickness, Add</i>	9.25 -0.74 0.74 1.48	3.85
07 76 16 00-0004 SF >200 To 400 SF, 2" Concrete Roof Paver <i>For 1-1/2" Thickness, Deduct</i> <i>For 2-1/2" Thickness, Add</i> <i>For 3" Thickness, Add</i>	7.95 -0.62 0.62 1.24	3.07
07 76 16 00-0005 SF >400 To 1,000 SF, 2" Concrete Roof Paver <i>For 1-1/2" Thickness, Deduct</i> <i>For 2-1/2" Thickness, Add</i> <i>For 3" Thickness, Add</i>	7.13 -0.55 0.55 1.09	2.67
07 76 16 00-0006 SF >1,000 SF, 2" Concrete Roof Paver <i>For 1-1/2" Thickness, Deduct</i> <i>For 2-1/2" Thickness, Add</i> <i>For 3" Thickness, Add</i>	6.57 -0.50 0.50 1.00	2.44
07 76 16 00-0007 Roof Paver Pedestal <small>(07 76 16)</small>		
07 76 16 00-0008 EA 2" To 3" High Adjustable Roof Paver Pedestal, 2" Base, 2" Top (Hanover Elevator)	13.91	0.76
07 76 16 00-0009 EA 3" To 4-3/4" High Adjustable Roof Paver Pedestal, 3" Base, 3" Top (Hanover Elevator)	14.67	0.76
07 76 16 00-0010 EA 4-3/4" To 7-3/4" High Adjustable Roof Paver Pedestal, 4" Base, 4" Top (Hanover Elevator)	15.44	0.76
07 76 16 00-0011 EA Adjustable Roof Paver Pedestal Coupler, Adds 2-1/2" To 4" (Hanover Elevator)	7.61	0.76
07 76 16 00-0012 EA Stay Bar, Used With Roof Paver Pedestals >16' High (Hanover Elevator)	7.19	0.76
07 76 16 00-0013 EA 5/8" High Tab Roof Paver Pedestal (Hanover High Tab Pedestal)	7.34	0.76
<i>Note: Stackable.</i>		
07 76 16 00-0014 EA 1/16" And 1/8" Flexible Leveling Plates For Roof Paver Pedestal	4.09	0.76
<i>Note: Used with High Tab and Elevator pedestals.</i>		
07 76 16 00-0015 EA Roof Paver Leveling System, Twist To Adjust Pitch (Hanover Compensator)	5.69	0.76
<i>Note: Each Compensator levels 1/8" of slope and are stackable. Used with High Tab and Elevator pedestals.</i>		
07 76 19 Composite Insulation Concrete Protection Board <small>(07 76)</small>		
<i>Note: Manufactured by T. Clear Corp. 25 year warranty.</i>		
07 76 19 00-0001 Composite Insulation Concrete Protection Board <small>(07 76 19)</small>		
<i>Note: Manufactured by T. Clear Corp. 25 year warranty.</i>		
07 76 19 00-0002 SF 2" Extruded Polystyrene Insulation Board Lightguard Composite With 3/8" Latex Modified Concrete, 4.5 PSF	3.34	
<i>For 20 Year Warranty, Deduct</i>		
<i>For 15 Year Warranty, Deduct</i>		
<i>For 10 Year Warranty, Deduct</i>		
<i>For Winds >90 MPH To 120 MPH Warranty, Add</i>		
07 76 19 00-0003 SF 3" Extruded Polystyrene Insulation Board Lightguard Composite With 3/8" Latex Modified Concrete, 4.5 PSF	4.29	
<i>For 20 Year Warranty, Deduct</i>		
<i>For 15 Year Warranty, Deduct</i>		
<i>For 10 Year Warranty, Deduct</i>		
<i>For Winds >90 MPH To 120 MPH Warranty, Add</i>		
07 76 19 00-0004 SF 2" Extruded Polystyrene Insulation Board Heavyguard Composite With 15/16" Latex Modified Concrete, 11 PSF	5.06	
<i>For 20 Year Warranty, Deduct</i>		
<i>For 15 Year Warranty, Deduct</i>		
<i>For 10 Year Warranty, Deduct</i>		
<i>For Winds >90 MPH To 120 MPH Warranty, Add</i>		
07 76 19 00-0005 SF 3" Extruded Polystyrene Insulation Board Heavyguard Composite With 15/16" Latex Modified Concrete, 11 PSF	6.07	
<i>For 20 Year Warranty, Deduct</i>		
<i>For 15 Year Warranty, Deduct</i>		
<i>For 10 Year Warranty, Deduct</i>		
<i>For Winds >90 MPH To 120 MPH Warranty, Add</i>		
<i>For Winds >90 MPH To 120 MPH Warranty, Add</i>		
07 80 Fire And Smoke Protection <small>(07)</small>		
07 81 Applied Fireproofing <small>(07 80)</small>		
<i>Note: Includes bonding agents as required.</i>		
07 81 16 Cementitious Fireproofing <small>(07 81)</small>		
07 81 16 00-0001 Cementitious Fireproofing <small>(07 81 16)</small>		
07 81 16 00-0002 Spray On Ceiling (Metal Decking Corrugated Or Fluted) <small>(07 81 16 00-0001)</small>		
07 81 16 00-0003 SF Spray Fireproofing For Ceiling, 1 Hour Rated 1/2" Thick Coverage.....	1.07	0.60
07 81 16 00-0004 SF Spray Fireproofing For Ceiling, 2 Hour Rated 7/8" Thick Coverage.....	1.49	0.72
07 81 16 00-0005 Spray On Roofs And Beams <small>(07 81 16 00-0001)</small>		
07 81 16 00-0006 SF Spray Fireproofing For Beams And Roofs, 1 Hour Rated 1-3/8" Thick Coverage	2.18	0.88
07 81 16 00-0007 SF Spray Fireproofing For Beams And Roofs, 2 Hour Rated 1-1/2" Thick Coverage	2.36	0.96
07 81 16 00-0008 SF Spray Fireproofing For Beams And Roofs, 2 Hour Rated 1-5/8" Thick Coverage	2.47	0.99
07 81 16 00-0009 Spray On Beams (Min. W8x24) <small>(07 81 16 00-0001)</small>		
07 81 16 00-0010 SF Spray Fireproofing For Beams, 1 Hour Rated 7/16" Thick Coverage (Min W8x24)	0.91	0.48
07 81 16 00-0011 SF Spray Fireproofing For Beams, 2 Hour Rated 1/2" Thick Coverage (Min W8x24)	1.12	0.60
07 81 16 00-0012 SF Spray Fireproofing For Beams, 3 Hour Rated 7/8" Thick Coverage (Min W8x24)	1.59	0.72
07 81 16 00-0013 SF Spray Fireproofing For Beams, 4 Hour Rated 1-1/4" Thick Coverage (Min W8x24)	2.09	0.84

07 Thermal And Moisture Protection**07 80 Fire And Smoke Protection****07 81 Applied Fireproofing**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 81 16 00-0014 Spray On Columns (W10x49) <small>(07 81 16 00-0001)</small>		
07 81 16 00-0015 SF Spray Fireproofing For Columns, 1 Hour Rated 1-3/16" Thick Coverage (W10x49).....	2.06	0.79
07 81 16 00-0016 SF Spray Fireproofing For Columns, 2 Hour Rated 1-1/4" Thick Coverage (W10x49).....	2.23	0.84
07 81 16 00-0017 SF Spray Fireproofing For Columns, 3 Hour Rated 1-7/8" Thick Coverage (W10x49).....	2.87	0.99
07 81 16 00-0018 SF Spray Fireproofing For Columns, 4 Hour Rated 2-1/2" Thick Coverage (W10x49).....	3.73	1.20
07 81 16 00-0019 Spray On Columns (W14x228) <small>(07 81 16 00-0001)</small>		
07 81 16 00-0020 SF Spray Fireproofing For Columns, 2 Hour Rated 5/8" Thick Coverage (W14x228).....	1.32	0.60
07 81 16 00-0021 SF Spray Fireproofing For Columns, 3 Hour Rated 7/8" Thick Coverage (W14x228).....	1.69	0.72
07 81 16 00-0022 SF Spray Fireproofing For Columns, 4 Hour Rated 1-1/4" Thick Coverage (W14x228).....	2.23	0.88
07 81 16 00-0023 Gunite Fireproofing <small>(07 81 16)</small>		
07 81 16 00-0024 SF Fireproofing, Gunite, Non Reinforced, 1" Thick.....	2.34	0.57
07 81 16 00-0025 SF Fireproofing, Gunite, Reinforced, 1" Thick.....	3.28	0.57
07 81 16 00-0026 Monokote Fireproofing <small>(07 81 16)</small>		
07 81 16 00-0027 CSF Monokote Fireproofing For Structural Steel.....	234.41	89.38
Note: Per inch of thickness.		
07 81 16 00-0028 CSF Monokote Fireproofing For Columns.....	218.30	1.20
Note: Per inch of thickness.		
07 81 16 00-0029 CSF Monokote Fireproofing For Ceiling/Decking.....	167.29	59.85
Note: Per inch of thickness.		
07 81 23 Intumescent Fireproofing <small>(07 81)</small>		
07 81 23 00-0001 Intumescent Thin Film Fireproofing (Albi Clad TF) <small>(07 81 23)</small>		
07 81 23 00-0002 Intumescent Thin Film Fireproofing For Beams (Albi Clad TF) <small>(07 81 23 00-0001)</small>		
Note: Excludes primer.		
07 81 23 00-0003 SF 1 Hour, Intumescent Thin Film Fireproofing For Beams (Albi Clad TF).....	9.10	
For >10,000, Deduct		
	-0.86	
07 81 23 00-0004 SF 1-1/2 Hour, Intumescent Thin Film Fireproofing For Beams (Albi Clad TF).....	14.45	
For >10,000, Deduct		
	-1.39	
07 81 23 00-0005 Intumescent Thin Film Fireproofing For Wide Flange Columns (Albi Clad TF) <small>(07 81 23 00-0001)</small>		
Note: Excludes primer.		
07 81 23 00-0006 SF 1 Hour, Intumescent Thin Film Fireproofing For Wide Flange Columns (Albi Clad TF).....	6.05	
For >10,000, Deduct		
	-0.55	
07 81 23 00-0007 SF 1-1/2 Hour, Intumescent Thin Film Fireproofing For Wide Flange Columns (Albi Clad TF).....	13.01	
For >10,000, Deduct		
	-1.24	
07 81 23 00-0008 SF 2 Hour, Intumescent Thin Film Fireproofing For Wide Flange Columns (Albi Clad TF).....	28.99	
For >10,000, Deduct		
	-2.84	
07 81 23 00-0009 SF 2-1/2 Hour, Intumescent Thin Film Fireproofing For Wide Flange Columns (Albi Clad TF).....	39.79	
For >10,000, Deduct		
	-3.91	
07 81 23 00-0010 SF 3 Hour, Intumescent Thin Film Fireproofing For Wide Flange Columns (Albi Clad TF).....	50.58	
For >10,000, Deduct		
	-4.99	
07 81 23 00-0011 SF 3-1/2 Hour, Intumescent Thin Film Fireproofing For Wide Flange Columns (Albi Clad TF).....	61.40	
For >10,000, Deduct		
	-6.06	
07 81 23 00-0012 Intumescent Thin Film Fireproofing For Hollow Section Columns (Albi Clad TF) <small>(07 81 23 00-0001)</small>		
Note: Excludes primer.		
07 81 23 00-0013 SF 1 Hour, Intumescent Thin Film Fireproofing For Hollow Section Columns (Albi Clad TF).....	11.86	
For >10,000, Deduct		
	-1.13	
07 81 23 00-0014 SF 1-1/2 Hour, Intumescent Thin Film Fireproofing For Hollow Section Columns (Albi Clad TF).....	21.77	
For >10,000, Deduct		
	-2.12	
07 81 23 00-0015 SF 2 Hour, Intumescent Thin Film Fireproofing For Hollow Section Columns (Albi Clad TF).....	34.35	
For >10,000, Deduct		
	-3.37	
07 81 23 00-0016 SF 2-1/2 Hour, Intumescent Thin Film Fireproofing For Hollow Section Columns (Albi Clad TF).....	47.85	
For >10,000, Deduct		
	-4.72	
07 81 23 00-0017 SF 3 Hour, Intumescent Thin Film Fireproofing For Hollow Section Columns (Albi Clad TF).....	60.43	
For >10,000, Deduct		
	-5.97	
07 81 23 00-0018 Intumescent Thin Film Fireproofing (Albi Clad FP) <small>(07 81 23)</small>		
07 81 23 00-0019 Intumescent Thin Film Fireproofing For Exposed Wood, Wallboard And Non-Ferrous Substrates (Albi Clad FP) <small>(07 81 23 00-0018)</small>		
Note: Excludes primer.		
07 81 23 00-0020 SF 1 Hour, Intumescent Thin Film Fireproofing For Exposed Wood, Wallboard And Non-Ferrous Substrates (Albi Clad FP).....	5.76	
For >10,000, Deduct		
	-0.54	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 81 23 00-0021 SF 1-1/2 Hour, Intumescent Thin Film Fireproofing For Exposed Wood, Wallboard And Non-Ferrous Substrates (Albi Clad FP)	12.83	
<i>For >10,000, Deduct</i>	-1.24	
07 81 23 00-0022 SF 2 Hour, Intumescent Thin Film Fireproofing For Exposed Wood, Wallboard And Non-Ferrous Substrates (Albi Clad FP)	29.10	
<i>For >10,000, Deduct</i>	-2.86	
07 81 23 00-0023 SF 2-1/2 Hour, Intumescent Thin Film Fireproofing For Exposed Wood, Wallboard And Non-Ferrous Substrates (Albi Clad FP)	40.07	
<i>For >10,000, Deduct</i>	-3.96	
07 81 23 00-0024 SF 3 Hour, Intumescent Thin Film Fireproofing For Exposed Wood, Wallboard And Non-Ferrous Substrates (Albi Clad FP)	51.06	
<i>For >10,000, Deduct</i>	-5.05	
 07 81 33 Mineral-Fiber Fireproofing (07 81)		
07 81 33 00-0001 Cellulose Fireproofing (07 81 33)		
07 81 33 00-0002 SF Cellulose Fireproofing, Per Inch Of Thickness.....	1.84	0.57
 07 82 Board Fireproofing (07 80)		
Note: Type A: 1 hour rating. See CSI section 09 23 13 00-0001 for plaster casing and corner bead, 09 29 00 00-0072 for gypsum board casing and corner bead.		
07 82 00 00-0001 Fireproofing On Columns (07 82)		
07 82 00 00-0002 Up To 4,500 SF, Fireproofing On Columns (07 82 00 00-0001)		
07 82 00 00-0003 CSF Lath And Cement Plaster, 1 Hour, Mk A, Up To 4,500 SF, Fireproofing On Columns.....	1,219.64	855.20
07 82 00 00-0004 CSF Lath And Cement Plaster, 2 Hour, Mk B, Up To 4,500 SF, Fireproofing On Columns.....	2,195.32	1,527.15
07 82 00 00-0005 CSF Lath And Vermiculite Concrete, 4 Hour, Mk C, Up To 4,500 SF, Fireproofing On Columns.....	1,946.05	1,343.90
07 82 00 00-0006 CSF Lath And Gypsum Plaster, 4 Hour, Mk D, Up To 4,500 SF, Fireproofing On Columns.....	1,312.52	794.12
07 82 00 00-0007 CSF Lath And Gypsum Plaster, 4 Hour, Mk E, Up To 4,500 SF, Fireproofing On Columns.....	1,027.29	671.94
07 82 00 00-0008 CSF Gypsum Board, 2 Hour, Mk F, Up To 4,500 SF, Fireproofing On Columns.....	1,551.57	1,038.46
07 82 00 00-0009 CSF Gypsum Board, 2 Hour, Mk G, Up To 4,500 SF, Fireproofing On Columns.....	883.61	549.77
 07 82 00 00-0010 >4,500 SF, Fireproofing On Columns (07 82 00 00-0001)		
07 82 00 00-0011 CSF Lath And Cement Plaster, 1 Hour, Mk A >4,500 SF, Fireproofing On Columns.....	1,244.47	855.20
07 82 00 00-0012 CSF Lath And Cement Plaster, 2 Hour, Mk B, >4,500 SF, Fireproofing On Columns.....	2,244.97	1,527.15
07 82 00 00-0013 CSF Lath And Vermiculite Concrete, 4 Hour, Mk C, >4,500 SF, Fireproofing On Columns.....	2,072.71	1,343.90
07 82 00 00-0014 CSF Lath And Gypsum Plaster, 4 Hour, Mk D, >4,500 SF, Fireproofing On Columns.....	1,162.35	794.12
07 82 00 00-0015 CSF Lath And Gypsum Plaster, 2 Hour, Mk E, >4,500 SF, Fireproofing On Columns.....	949.85	671.94
07 82 00 00-0016 CSF Gypsum Board, 2 Hour, Mk F, >4,500 SF, Fireproofing On Columns.....	1,533.08	1,038.46
07 82 00 00-0017 CSF Gypsum Board, 2 Hour, Mk G, >4,500 SF, Fireproofing On Columns.....	866.87	549.77
 07 84 Firestopping (07 80)		
07 84 13 Penetration Firestopping (07 84)		
07 84 13 16 Penetration Firestopping Devices (07 84 13)		
07 84 13 16-0001 Firestopping Systems For Cable Penetrations (07 84 13 16)		
07 84 13 16-0002 Intumescent Firestop Cable Sleeve For New Installations (07 84 13 16-0001)		
Note: Includes putty, escutcheon plates, gaskets and bushings.		
07 84 13 16-0003 EA 1" Diameter Intumescent Firestop Sleeve (STI FS100).....	49.00	
07 84 13 16-0004 EA 2" Diameter Intumescent Firestop Sleeve (STI FS201).....	65.40	
07 84 13 16-0005 EA 4" Diameter Intumescent Firestop Sleeve (STI FS401).....	105.32	
 07 84 13 16-0006 Intumescent Firestop Cable Pathway For New Or Existing Cable Installations (07 84 13 16-0001)		
Note: Includes putty and mounting plates.		
07 84 13 16-0007 EA 1-1/64" x 1-1/64" Intumescent Firestop Cable Pathway Through Up To 9" Thick Walls (STI EZD22).....	88.26	
07 84 13 16-0008 EA 3" x 3" Intumescent Firestop Cable Pathway Through Up To 9" Thick Walls (STI EZDP3FWS).....	153.98	
07 84 13 16-0009 EA 4" x 4-5/8" Intumescent Firestop Cable Pathway Through Up To 10" Thick Walls (STI EZDP44).....	280.94	
 07 84 13 16-0010 3M Intumescent Firestopping Multi-Trade Pass Through Device (07 84 13 16)		
07 84 13 16-0011 EA 2.5" Square Opening, Intumescent Firestop Multi-Trade Pass Through Device (3M QP2.5SD).....	199.17	
07 84 13 16-0012 EA 4" Square Opening, Intumescent Firestop Multi-Trade Pass Through Device (3M QP4SD).....	184.68	
07 84 13 16-0013 EA 4" Diameter Intumescent Firestop Multi-Trade Pass Through Device (3M QP2.5SD).....	190.18	
 07 84 13 16-0014 Intumescent Firestopping Pipe Collar (07 84 13 16)		
07 84 13 16-0015 EA 1-1/2" Intumescent Firestop Pipe Collar (3M ULTRAPPD1.5).....	34.90	11.14
07 84 13 16-0016 EA 2" Intumescent Firestop Pipe Collar (3M ULTRAPPD2.0).....	40.97	11.14
07 84 13 16-0017 EA 3" Intumescent Firestop Pipe Collar (3M ULTRAPPD3.0).....	47.32	12.26
07 84 13 16-0018 EA 4" Intumescent Firestop Pipe Collar (3M ULTRAPPD4.0).....	71.53	13.93
07 84 13 16-0019 EA 8" Intumescent Firestop Pipe Collar (Hilti CP644 8").....	326.49	16.71
07 84 13 16-0020 EA 10" Intumescent Firestop Pipe Collar (Hilti CP644 10").....	420.25	18.39

07 Thermal And Moisture Protection**07 80 Fire And Smoke Protection****07 84 Firestopping**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 84 13 16-0021			Fire Rated Enclosures (Fire Rated Product Specialties Corp.) (07 84 13 16) Note: Includes fasteners. Excludes additional perimeter caulk where required. See CSI section 07 84 43 00-0001 for perimeter sealant caulk where required.		
07 84 13 16-0022	EA		12.2" Wide x 20.2" Long x 9.5" Deep Fire Rated Enclosure, 1 Hour Rated (FRPS #FN-Z-12-20-9).....	109.49	
			Note: Used for recessed lighting, speakers, controls, valves, plumbing drain terminations, etc.		
07 84 13 16-0023	EA		15.2" Wide x 16.2" Long x 9.5" Deep Fire Rated Enclosure, 1 Hour Rated (FRPS #FN-Z-15-16-9).....	114.77	
			Note: Used for recessed lighting, speakers, controls, valves, plumbing drain terminations, etc.		
07 84 13 16-0024	EA		11.8" Wide x 19.8" Long x 9.12" Deep Fire Rated Enclosure, 1 Hour Rated (FRPS #FN-Z-12-20-9-EXH)	210.43	
			Note: Includes 4" duct connector. For use with bathroom ventilation and exhaust fans.		
07 84 13 16-0025	EA		14.0" Wide x 14.0" Long x 3.2" Deep Fire Rated Enclosure, 1 Hour Rated (FRPS #FN-Z-14-14-3).....	137.99	
			Note: Used for shut-off valves, shower and tub valves, washer boxes, icemaker water feeds, speakers, controls, junction boxes, etc.		
07 84 13 16-0026			Intumescent Firestopping Wrap Strips (07 84 13 16)		
07 84 13 16-0027	LF		1/8" Thick, 1-1/2" Wide, Intumescent Firestopping Wrap Strip (STI SpecSeal SSW Series).....	4.90	
07 84 13 19			Penetration Firestopping Caulk (07 84 13)		
07 84 13 19-0001			Intumescent Firestopping For Sealing Pipe Penetrations (07 84 13 19) Note: Includes firestop caulk and batt for floor or ceiling penetration or one side of a wall penetration. 1/2" thick caulk for annular spaces 1" and less. 1" thick caulk for annular spaces 1-1/4" or more.		
07 84 13 19-0002	EA		1" Diameter Hole With 1/2" Pipe, Sealed With Intumescent Firestop Sealant.....	18.21	
			For Intumescent Sealant For Plastic Pipe, Add	0.05	
			For Silicone Sealant (Bio Fireshield BFS 100 or 200), add	0.02	
07 84 13 19-0003	EA		1-1/2" Diameter Hole With 1/2" Pipe, Sealed With Intumescent Firestop Sealant	22.39	
			For Intumescent Sealant For Plastic Pipe, Add	0.28	
			For Silicone Sealant (Bio Fireshield BFS 100 or 200), add	0.10	
07 84 13 19-0004	EA		1-1/2" Diameter Hole With 3/4" Pipe, Sealed With Intumescent Firestop Sealant	22.21	
			For Intumescent Sealant For Plastic Pipe, Add	0.20	
			For Silicone Sealant (Bio Fireshield BFS 100 or 200), add	0.08	
07 84 13 19-0005	EA		1-1/2" Diameter Hole With 1" Pipe, Sealed With Intumescent Firestop Sealant	21.92	
			For Intumescent Sealant For Plastic Pipe, Add	0.09	
			For Silicone Sealant (Bio Fireshield BFS 100 or 200), add	0.03	
07 84 13 19-0006	EA		2" Diameter Hole With 1/2" Pipe, Sealed With Intumescent Firestop Sealant.....	25.88	
			For Intumescent Sealant For Plastic Pipe, Add	0.59	
			For Silicone Sealant (Bio Fireshield BFS 100 or 200), add	0.22	
07 84 13 19-0007	EA		2" Diameter Hole With 3/4" Pipe, Sealed With Intumescent Firestop Sealant.....	25.71	
			For Intumescent Sealant For Plastic Pipe, Add	0.52	
			For Silicone Sealant (Bio Fireshield BFS 100 or 200), add	0.20	
07 84 13 19-0008	EA		2" Diameter Hole With 1" Pipe, Sealed With Intumescent Firestop Sealant	25.42	
			For Intumescent Sealant For Plastic Pipe, Add	0.40	
			For Silicone Sealant (Bio Fireshield BFS 100 or 200), add	0.15	
07 84 13 19-0009	EA		2" Diameter Hole With 1-1/4" Pipe, Sealed With Intumescent Firestop Sealant	24.97	
			For Intumescent Sealant For Plastic Pipe, Add	0.22	
			For Silicone Sealant (Bio Fireshield BFS 100 or 200), add	0.08	
07 84 13 19-0010	EA		2" Diameter Hole With 1-1/2" Pipe, Sealed With Intumescent Firestop Sealant	24.58	
			For Intumescent Sealant For Plastic Pipe, Add	0.07	
			For Silicone Sealant (Bio Fireshield BFS 100 or 200), add	0.03	
07 84 13 19-0011	EA		2.5" Diameter Hole With 1/2" Pipe, Sealed With Intumescent Firestop Sealant.....	31.40	
			For Intumescent Sealant For Plastic Pipe, Add	0.99	
			For Silicone Sealant (Bio Fireshield BFS 100 or 200), add	0.37	
07 84 13 19-0012	EA		2.5" Diameter Hole With 3/4" Pipe, Sealed With Intumescent Firestop Sealant.....	31.23	
			For Intumescent Sealant For Plastic Pipe, Add	0.92	
			For Silicone Sealant (Bio Fireshield BFS 100 or 200), add	0.35	
07 84 13 19-0013	EA		2.5" Diameter Hole With 1" Pipe, Sealed With Intumescent Firestop Sealant.....	30.94	
			For Intumescent Sealant For Plastic Pipe, Add	0.80	
			For Silicone Sealant (Bio Fireshield BFS 100 or 200), add	0.30	
07 84 13 19-0014	EA		2.5" Diameter Hole With 1-1/4" Pipe, Sealed With Intumescent Firestop Sealant	30.49	
			For Intumescent Sealant For Plastic Pipe, Add	0.62	
			For Silicone Sealant (Bio Fireshield BFS 100 or 200), add	0.23	
07 84 13 19-0015	EA		2.5" Diameter Hole With 1-1/2" Pipe, Sealed With Intumescent Firestop Sealant	30.11	
			For Intumescent Sealant For Plastic Pipe, Add	0.47	
			For Silicone Sealant (Bio Fireshield BFS 100 or 200), add	0.18	
07 84 13 19-0016	EA		2.5" Diameter Hole With 2" Pipe, Sealed With Intumescent Firestop Sealant.....	29.20	
			For Intumescent Sealant For Plastic Pipe, Add	0.11	
			For Silicone Sealant (Bio Fireshield BFS 100 or 200), add	0.04	
07 84 13 19-0017	EA		3" Diameter Hole With 1/2" Pipe, Sealed With Intumescent Firestop Sealant.....	42.82	
			For Intumescent Sealant For Plastic Pipe, Add	2.66	
			For Silicone Sealant (Bio Fireshield BFS 100 or 200), add	1.00	
07 84 13 19-0018	EA		3" Diameter Hole With 3/4" Pipe, Sealed With Intumescent Firestop Sealant.....	39.69	
			For Intumescent Sealant For Plastic Pipe, Add	1.41	
			For Silicone Sealant (Bio Fireshield BFS 100 or 200), add	0.53	
07 84 13 19-0019	EA		3" Diameter Hole With 1" Pipe, Sealed With Intumescent Firestop Sealant	39.40	
			For Intumescent Sealant For Plastic Pipe, Add	1.30	
			For Silicone Sealant (Bio Fireshield BFS 100 or 200), add	0.49	
07 84 13 19-0020	EA		3" Diameter Hole With 1-1/4" Pipe, Sealed With Intumescent Firestop Sealant	38.95	
			For Intumescent Sealant For Plastic Pipe, Add	1.12	
			For Silicone Sealant (Bio Fireshield BFS 100 or 200), add	0.42	
07 84 13 19-0021	EA		3" Diameter Hole With 1-1/2" Pipe, Sealed With Intumescent Firestop Sealant	38.57	
			For Intumescent Sealant For Plastic Pipe, Add	0.96	
			For Silicone Sealant (Bio Fireshield BFS 100 or 200), add	0.36	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 84 13 19-0022 EA 3" Diameter Hole With 2" Pipe, Sealed With Intumescent Firestop Sealant .....37.66 <i>For Intumescent Sealant For Plastic Pipe, Add</i> 0.60 <i>For Silicone Sealant (Bio Fireshield BFS 100 or 200), add</i> 0.23		
07 84 13 19-0023 EA 3" Diameter Hole With 2-1/2" Pipe, Sealed With Intumescent Firestop Sealant .....36.49 <i>For Intumescent Sealant For Plastic Pipe, Add</i> 0.13 <i>For Silicone Sealant (Bio Fireshield BFS 100 or 200), add</i> 0.05		
07 84 13 19-0024 EA 4" Diameter Hole With 1/2" Pipe, Sealed With Intumescent Firestop Sealant .....57.50 <i>For Intumescent Sealant For Plastic Pipe, Add</i> 4.92 <i>For Silicone Sealant (Bio Fireshield BFS 100 or 200), add</i> 1.85		
07 84 13 19-0025 EA 4" Diameter Hole With 3/4" Pipe, Sealed With Intumescent Firestop Sealant .....57.18 <i>For Intumescent Sealant For Plastic Pipe, Add</i> 4.79 <i>For Silicone Sealant (Bio Fireshield BFS 100 or 200), add</i> 1.80		
07 84 13 19-0026 EA 4" Diameter Hole With 1" Pipe, Sealed With Intumescent Firestop Sealant .....56.66 <i>For Intumescent Sealant For Plastic Pipe, Add</i> 4.58 <i>For Silicone Sealant (Bio Fireshield BFS 100 or 200), add</i> 1.72		
07 84 13 19-0027 EA 4" Diameter Hole With 1-1/4" Pipe, Sealed With Intumescent Firestop Sealant .....55.85 <i>For Intumescent Sealant For Plastic Pipe, Add</i> 4.26 <i>For Silicone Sealant (Bio Fireshield BFS 100 or 200), add</i> 1.60		
07 84 13 19-0028 EA 4" Diameter Hole With 1-1/2" Pipe, Sealed With Intumescent Firestop Sealant .....55.16 <i>For Intumescent Sealant For Plastic Pipe, Add</i> 3.98 <i>For Silicone Sealant (Bio Fireshield BFS 100 or 200), add</i> 1.49		
07 84 13 19-0029 EA 4" Diameter Hole With 2" Pipe, Sealed With Intumescent Firestop Sealant .....49.83 <i>For Intumescent Sealant For Plastic Pipe, Add</i> 1.85 <i>For Silicone Sealant (Bio Fireshield BFS 100 or 200), add</i> 0.69		
07 84 13 19-0030 EA 4" Diameter Hole With 2-1/2" Pipe, Sealed With Intumescent Firestop Sealant .....48.66 <i>For Intumescent Sealant For Plastic Pipe, Add</i> 1.38 <i>For Silicone Sealant (Bio Fireshield BFS 100 or 200), add</i> 0.52		
07 84 13 19-0031 EA 4" Diameter Hole With 3" Pipe, Sealed With Intumescent Firestop Sealant .....46.87 <i>For Intumescent Sealant For Plastic Pipe, Add</i> 0.67 <i>For Silicone Sealant (Bio Fireshield BFS 100 or 200), add</i> 0.25		
07 84 13 19-0032 EA 6" Diameter Hole With 1/2" Pipe, Sealed With Intumescent Firestop Sealant .....91.65 <i>For Intumescent Sealant For Plastic Pipe, Add</i> 11.35 <i>For Silicone Sealant (Bio Fireshield BFS 100 or 200), add</i> 4.26		
07 84 13 19-0033 EA 6" Diameter Hole With 3/4" Pipe, Sealed With Intumescent Firestop Sealant .....91.34 <i>For Intumescent Sealant For Plastic Pipe, Add</i> 11.22 <i>For Silicone Sealant (Bio Fireshield BFS 100 or 200), add</i> 4.21		
07 84 13 19-0034 EA 6" Diameter Hole With 1" Pipe, Sealed With Intumescent Firestop Sealant .....90.82 <i>For Intumescent Sealant For Plastic Pipe, Add</i> 11.02 <i>For Silicone Sealant (Bio Fireshield BFS 100 or 200), add</i> 4.13		
07 84 13 19-0035 EA 6" Diameter Hole With 1-1/4" Pipe, Sealed With Intumescent Firestop Sealant .....90.01 <i>For Intumescent Sealant For Plastic Pipe, Add</i> 10.99 <i>For Silicone Sealant (Bio Fireshield BFS 100 or 200), add</i> 4.01		
07 84 13 19-0036 EA 6" Diameter Hole With 1-1/2" Pipe, Sealed With Intumescent Firestop Sealant .....89.32 <i>For Intumescent Sealant For Plastic Pipe, Add</i> 10.42 <i>For Silicone Sealant (Bio Fireshield BFS 100 or 200), add</i> 3.91		
07 84 13 19-0037 EA 6" Diameter Hole With 2" Pipe, Sealed With Intumescent Firestop Sealant .....87.69 <i>For Intumescent Sealant For Plastic Pipe, Add</i> 9.76 <i>For Silicone Sealant (Bio Fireshield BFS 100 or 200), add</i> 3.66		
07 84 13 19-0038 EA 6" Diameter Hole With 2-1/2" Pipe, Sealed With Intumescent Firestop Sealant .....85.58 <i>For Intumescent Sealant For Plastic Pipe, Add</i> 8.92 <i>For Silicone Sealant (Bio Fireshield BFS 100 or 200), add</i> 3.35		
07 84 13 19-0039 EA 6" Diameter Hole With 3" Pipe, Sealed With Intumescent Firestop Sealant .....82.38 <i>For Intumescent Sealant For Plastic Pipe, Add</i> 7.64 <i>For Silicone Sealant (Bio Fireshield BFS 100 or 200), add</i> 2.87		
07 84 13 19-0040 EA 6" Diameter Hole With 4" Pipe, Sealed With Intumescent Firestop Sealant .....70.32 <i>For Intumescent Sealant For Plastic Pipe, Add</i> 2.82 <i>For Silicone Sealant (Bio Fireshield BFS 100 or 200), add</i> 1.06		
07 84 13 19-0041 EA 8" Diameter Hole With 2-1/2" Pipe, Sealed With Intumescent Firestop Sealant .....121.65 <i>For Intumescent Sealant For Plastic Pipe, Add</i> 17.92 <i>For Silicone Sealant (Bio Fireshield BFS 100 or 200), add</i> 6.72		
07 84 13 19-0042 EA 8" Diameter Hole With 3" Pipe, Sealed With Intumescent Firestop Sealant .....118.44 <i>For Intumescent Sealant For Plastic Pipe, Add</i> 16.64 <i>For Silicone Sealant (Bio Fireshield BFS 100 or 200), add</i> 6.24		
07 84 13 19-0043 EA 8" Diameter Hole With 4" Pipe, Sealed With Intumescent Firestop Sealant .....112.01 <i>For Intumescent Sealant For Plastic Pipe, Add</i> 14.07 <i>For Silicone Sealant (Bio Fireshield BFS 100 or 200), add</i> 5.28		
07 84 13 19-0044 EA 8" Diameter Hole With 6" Pipe, Sealed With Intumescent Firestop Sealant .....85.79 <i>For Intumescent Sealant For Plastic Pipe, Add</i> 3.58 <i>For Silicone Sealant (Bio Fireshield BFS 100 or 200), add</i> 1.34		
07 84 13 19-0045 EA 10" Diameter Hole With 4" Pipe, Sealed With Intumescent Firestop Sealant .....154.52 <i>For Intumescent Sealant For Plastic Pipe, Add</i> 25.65 <i>For Silicone Sealant (Bio Fireshield BFS 100 or 200), add</i> 9.62		
07 84 13 19-0046 EA 10" Diameter Hole With 6" Pipe, Sealed With Intumescent Firestop Sealant .....135.45 <i>For Intumescent Sealant For Plastic Pipe, Add</i> 18.02 <i>For Silicone Sealant (Bio Fireshield BFS 100 or 200), add</i> 6.76		
07 84 13 19-0047 EA 10" Diameter Hole With 8" Pipe, Sealed With Intumescent Firestop Sealant .....101.80 <i>For Intumescent Sealant For Plastic Pipe, Add</i> 4.56 <i>For Silicone Sealant (Bio Fireshield BFS 100 or 200), add</i> 1.71		
07 84 13 19-0048 Smoke, Noise And Infectious/Dust Control Sealant For Sealing Pipe Penetrations <small>(07 84 13 19)</small>		
Note: Includes sealant and fiberglass or mineral wool batt for floor, ceiling or wall penetrations.		
07 84 13 19-0049 EA 1-1/2" Diameter Hole With 1/2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....21.94		

07 Thermal And Moisture Protection**07 80 Fire And Smoke Protection****07 84 Firestopping**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 84 13 19-0050	EA	1-1/2" Diameter Hole With 3/4" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	21.87	
07 84 13 19-0051	EA	1-1/2" Diameter Hole With 1" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	21.78	
07 84 13 19-0052	EA	2" Diameter Hole With 1/2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	24.90	
07 84 13 19-0053	EA	2" Diameter Hole With 3/4" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	24.83	
07 84 13 19-0054	EA	2" Diameter Hole With 1" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	24.74	
07 84 13 19-0055	EA	2" Diameter Hole With 1-1/4" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	24.60	
07 84 13 19-0056	EA	2" Diameter Hole With 1-1/2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	24.48	
07 84 13 19-0057	EA	2.5" Diameter Hole With 1/2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	29.78	
07 84 13 19-0058	EA	2.5" Diameter Hole With 3/4" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	29.72	
07 84 13 19-0059	EA	2.5" Diameter Hole With 1" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	29.62	
07 84 13 19-0060	EA	2.5" Diameter Hole With 1-1/4" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	29.49	
07 84 13 19-0061	EA	2.5" Diameter Hole With 1-1/2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	29.36	
07 84 13 19-0062	EA	2.5" Diameter Hole With 2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	29.05	
07 84 13 19-0063	EA	3" Diameter Hole With 1/2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	37.42	
07 84 13 19-0064	EA	3" Diameter Hole With 3/4" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	37.36	
07 84 13 19-0065	EA	3" Diameter Hole With 1" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	37.27	
07 84 13 19-0066	EA	3" Diameter Hole With 1-1/4" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	37.12	
07 84 13 19-0067	EA	3" Diameter Hole With 1-1/2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	37.00	
07 84 13 19-0068	EA	3" Diameter Hole With 2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	36.69	
07 84 13 19-0069	EA	3" Diameter Hole With 2-1/2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	36.26	
07 84 13 19-0070	EA	4" Diameter Hole With 1/2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	47.55	
07 84 13 19-0071	EA	4" Diameter Hole With 3/4" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	47.48	
07 84 13 19-0072	EA	4" Diameter Hole With 1" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	47.39	
07 84 13 19-0073	EA	4" Diameter Hole With 1-1/4" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	47.24	
07 84 13 19-0074	EA	4" Diameter Hole With 1-1/2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	47.09	
07 84 13 19-0075	EA	4" Diameter Hole With 2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	46.78	
07 84 13 19-0076	EA	4" Diameter Hole With 2-1/2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	46.38	
07 84 13 19-0077	EA	4" Diameter Hole With 3" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	45.76	
07 84 13 19-0078	EA	6" Diameter Hole With 1/2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	68.69	
07 84 13 19-0079	EA	6" Diameter Hole With 3/4" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	68.62	
07 84 13 19-0080	EA	6" Diameter Hole With 1" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	68.53	
07 84 13 19-0081	EA	6" Diameter Hole With 1-1/4" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	68.39	
07 84 13 19-0082	EA	6" Diameter Hole With 1-1/2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	68.27	
07 84 13 19-0083	EA	6" Diameter Hole With 2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	67.96	
07 84 13 19-0084	EA	6" Diameter Hole With 2-1/2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	67.52	
07 84 13 19-0085	EA	6" Diameter Hole With 3" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	66.94	
07 84 13 19-0086	EA	6" Diameter Hole With 4" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	65.67	
07 84 13 19-0087	EA	8" Diameter Hole With 2-1/2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	85.39	
07 84 13 19-0088	EA	8" Diameter Hole With 3" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	84.80	
07 84 13 19-0089	EA	8" Diameter Hole With 4" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	83.53	
07 84 13 19-0090	EA	8" Diameter Hole With 6" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	79.94	
07 84 13 19-0091	EA	10" Diameter Hole With 4" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	102.63	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 84 13 19-0092 EA 10" Diameter Hole With 6" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	99.04	
07 84 13 19-0093 EA 10" Diameter Hole With 8" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	94.28	
07 84 16 Annular Space Protection (07 84)		
07 84 16 00-0001 Intumescent Firestopping For Electrical Outlet Boxes (07 84 16)		
07 84 16 00-0002 Intumescent Putty Pads For Wrapping Outlet Box Exteriors (07 84 16 00-0001)		
07 84 16 00-0003 EA 1 Gang Outlet Box, Intumescent Firestop Putty Exterior Wrap (3M MPP+).....	27.72	
07 84 16 00-0004 EA 2 Gang Outlet Box, Intumescent Firestop Putty Exterior Wrap (3M MPP+).....	39.17	
07 84 16 00-0005 EA 3 Gang Outlet Box, Intumescent Firestop Putty Exterior Wrap (3M MPP+).....	40.98	
07 84 16 00-0006 EA 4 Gang Outlet Box, Intumescent Firestop Putty Exterior Wrap (3M MPP+).....	42.78	
07 84 16 00-0007 EA 5 Gang Outlet Box, Intumescent Firestop Putty Exterior Wrap (3M MPP+).....	44.59	
07 84 16 00-0008 EA 6 Gang Outlet Box, Intumescent Firestop Putty Exterior Wrap (3M MPP+).....	56.05	
07 84 16 00-0009 Intumescent Firestop Gasket For Wall Plates (07 84 16 00-0001)		
07 84 16 00-0010 EA Single Switch Wall Plate, Intumescent Firestop Gasket (RectorSeal 66276)	11.37	
07 84 16 00-0011 EA Double Switch Wall Plate, Intumescent Firestop Gasket (RectorSeal 66274)	11.77	
07 84 16 00-0012 EA Single Receptacle Wall Plate, Intumescent Firestop Gasket (RectorSeal 66272)	11.02	
07 84 16 00-0013 EA Double Receptacle Wall Plate, Intumescent Firestop Gasket (RectorSeal 66270).....	11.80	
07 84 16 00-0014 EA Single Decor Wall Plate, Intumescent Firestop Gasket (RectorSeal 66266)	11.50	
07 84 16 00-0015 EA Double Decor Wall Plate, Intumescent Firestop Gasket (RectorSeal 66265).....	11.07	
07 84 16 00-0016 Intumescent Fire Barrier Pillows For Sealing Large Openings (07 84 16)		
07 84 16 00-0017 EA 2" x 4" x 9" Intumescent Fire Barrier Pillow (3M FB249).....	27.50	
07 84 16 00-0018 EA 2" x 6" x 9" Intumescent Fire Barrier Pillow (3M FB269).....	29.48	
07 84 16 00-0019 EA 3" x 6" x 9" Intumescent Fire Barrier Pillow (3M FB369).....	31.92	
07 84 16 00-0020 Intumescent Fire Barrier Sheets For Sealing Large Openings (07 84 16)		
Note: Price includes intumescent sheet, mounting fasteners and caulk for sealing one side of an opening.		
07 84 16 00-0021 EA 16" x 28" Intumescent Firestop Sheet (3M CS-195+16x28)	252.44	
07 84 16 00-0022 EA 36" x 24" Intumescent Firestop Sheet (3M CS-195+3x2)	353.85	
07 84 16 00-0023 EA 36" x 36" Intumescent Firestop Sheet (3M CS-195+3x3)	477.17	
07 84 16 00-0024 Endothermic Mat Wrap Fire Barrier (07 84 16)		
Note: Price includes endothermic mat wrap and sealant. Excludes cavity fill material; putty or fireproof caulk/sealant. See CSI section 07 84 16 00-0026 for filling openings.		
07 84 16 00-0025 SF 0.408" Thick Aluminum Foil Faced Endothermic Mat (3M Interam E-5A-4).....	38.70	
07 84 16 00-0026 Firestopping Caulk For Filling Opening (07 84 16)		
07 84 16 00-0027 GAL Latex Based Intumescent Fire Barrier Sealant (3M CP-25WB+).....	141.96	
07 84 16 00-0028 Firestopping Mortar For Filling Opening (07 84 16)		
07 84 16 00-0029 CF Light-Weight Portland Cement-Based Firestop Mortar (STI SpecSeal SSM Series).....	127.64	
07 84 23 Silicone Firestopping Foams (07 84)		
07 84 23 00-0001 Silicone RTV Foam Seal For Blank Openings (07 84 23)		
07 84 23 00-0002 EA 2" Diameter Hole Sealed With RTV Silicone Fire Barrier Foam.....	34.90	
07 84 23 00-0003 EA 4" Diameter Hole Sealed With RTV Silicone Fire Barrier Foam.....	83.80	
07 84 23 00-0004 EA 6" Diameter Hole Sealed With RTV Silicone Fire Barrier Foam.....	148.33	
07 84 23 00-0005 EA 8" Diameter Hole Sealed With RTV Silicone Fire Barrier Foam.....	226.52	
07 84 23 00-0006 EA 10" Diameter Hole Sealed With RTV Silicone Fire Barrier Foam.....	322.94	
07 84 23 00-0007 EA 12" Diameter Hole Sealed With RTV Silicone Fire Barrier Foam.....	433.10	
07 84 43 Joint Firestopping (07 84)		
07 84 43 00-0001 Intumescent Firestopping Sealant For Joints (07 84 43)		
07 84 43 00-0002 CLF 1/4" x 1/4" Joint, Intumescent Firestop Sealant	357.54	144.62
For Silicone Sealant (Bio Fireshield BFS 100 or 200), add		
	10.24	
07 84 43 00-0003 CLF 1/4" x 3/8" Joint, Intumescent Firestop Sealant	409.72	153.67
For Silicone Sealant (Bio Fireshield BFS 100 or 200), add		
	15.36	
07 84 43 00-0004 CLF 1/4" x 1/2" Joint, Intumescent Firestop Sealant	443.85	153.67
For Silicone Sealant (Bio Fireshield BFS 100 or 200), add		
	20.48	
07 84 43 00-0005 CLF 3/8" x 3/8" Joint, Intumescent Firestop Sealant	460.92	153.67
For Silicone Sealant (Bio Fireshield BFS 100 or 200), add		
	23.04	
07 84 43 00-0006 CLF 3/8" x 1/2" Joint, Intumescent Firestop Sealant	512.13	153.67
For Silicone Sealant (Bio Fireshield BFS 100 or 200), add		
	30.72	
07 84 43 00-0007 CLF 3/8" x 5/8" Joint, Intumescent Firestop Sealant	581.47	162.72
For Silicone Sealant (Bio Fireshield BFS 100 or 200), add		
	38.40	

07 Thermal And Moisture Protection**07 80 Fire And Smoke Protection****07 84 Firestopping**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 84 43 00-0008 CLF 3/8" x 3/4" Joint, Intumescent Firestop Sealant..... <i>For Silicone Sealant (Bio Fireshield BFS 100 or 200), add</i>	650.69 46.09	171.75
07 84 43 00-0009 CLF 1/2" x 1/2" Joint, Intumescent Firestop Sealant..... <i>For Silicone Sealant (Bio Fireshield BFS 100 or 200), add</i>	598.54 40.97	162.72
07 84 43 00-0010 CLF 1/2" x 5/8" Joint, Intumescent Firestop Sealant..... <i>For Silicone Sealant (Bio Fireshield BFS 100 or 200), add</i>	702.96 51.21	180.79
07 84 43 00-0011 CLF 1/2" x 3/4" Joint, Intumescent Firestop Sealant..... <i>For Silicone Sealant (Bio Fireshield BFS 100 or 200), add</i>	789.33 61.45	189.84
07 84 43 00-0012 CLF 1/2" x 7/8" Joint, Intumescent Firestop Sealant..... <i>For Silicone Sealant (Bio Fireshield BFS 100 or 200), add</i>	875.66 71.69	198.86
07 84 43 00-0013 CLF 1/2" x 1" Joint, Intumescent Firestop Sealant..... <i>For Silicone Sealant (Bio Fireshield BFS 100 or 200), add</i>	1,088.66 81.93	271.16
07 84 43 00-0014 CLF 3/4" x 3/4" Joint, Intumescent Firestop Sealant..... <i>For Silicone Sealant (Bio Fireshield BFS 100 or 200), add</i>	1,193.05 92.17	289.28
07 84 43 00-0015 CLF 1" x 1" Joint, Intumescent Firestop Sealant <i>For Silicone Sealant (Bio Fireshield BFS 100 or 200), add</i>	1,688.99 163.86	298.29
07 84 43 00-0016 Passive Smoke And Fire Protection Sealant For Joints (07 84 43)		
07 84 43 00-0017 CLF 1/4" x 1/4" Joint, Non-Halogenated Latex-Based Elastomeric, Passive Smoke And Fire Protection Sealant (STI SpecSeal ES Series)	329.01	144.62
07 84 43 00-0018 CLF 1/4" x 3/8" Joint, Non-Halogenated Latex-Based Elastomeric, Passive Smoke And Fire Protection Sealant (STI SpecSeal ES Series)	366.90	153.67
07 84 43 00-0019 CLF 1/4" x 1/2" Joint, Non-Halogenated Latex-Based Elastomeric, Passive Smoke And Fire Protection Sealant (STI SpecSeal ES Series)	386.77	153.67
07 84 43 00-0020 CLF 3/8" x 3/8" Joint, Non-Halogenated Latex-Based Elastomeric, Passive Smoke And Fire Protection Sealant (STI SpecSeal ES Series)	396.70	153.67
07 84 43 00-0021 CLF 3/8" x 1/2" Joint, Non-Halogenated Latex-Based Elastomeric, Passive Smoke And Fire Protection Sealant (STI SpecSeal ES Series)	426.50	153.67
07 84 43 00-0022 CLF 3/8" x 5/8" Joint, Non-Halogenated Latex-Based Elastomeric, Passive Smoke And Fire Protection Sealant (STI SpecSeal ES Series)	474.44	162.72
07 84 43 00-0023 CLF 3/8" x 3/4" Joint, Non-Halogenated Latex-Based Elastomeric, Passive Smoke And Fire Protection Sealant (STI SpecSeal ES Series)	522.25	171.75
07 84 43 00-0024 CLF 1/2" x 1/2" Joint, Non-Halogenated Latex-Based Elastomeric, Passive Smoke And Fire Protection Sealant (STI SpecSeal ES Series)	484.38	162.72
07 84 43 00-0025 CLF 1/2" x 5/8" Joint, Non-Halogenated Latex-Based Elastomeric, Passive Smoke And Fire Protection Sealant (STI SpecSeal ES Series)	560.25	180.79
07 84 43 00-0026 CLF 1/2" x 3/4" Joint, Non-Halogenated Latex-Based Elastomeric, Passive Smoke And Fire Protection Sealant (STI SpecSeal ES Series)	618.08	189.84
07 84 43 00-0027 CLF 1/2" x 7/8" Joint, Non-Halogenated Latex-Based Elastomeric, Passive Smoke And Fire Protection Sealant (STI SpecSeal ES Series)	675.87	198.86
07 84 43 00-0028 CLF 1/2" x 1" Joint, Non-Halogenated Latex-Based Elastomeric, Passive Smoke And Fire Protection Sealant (STI SpecSeal ES Series)	860.33	271.16
07 84 43 00-0029 CLF 3/4" x 3/4" Joint, Non-Halogenated Latex-Based Elastomeric, Passive Smoke And Fire Protection Sealant (STI SpecSeal ES Series)	936.17	289.28
07 84 43 00-0030 CLF 1" x 1" Joint, Non-Halogenated Latex-Based Elastomeric, Passive Smoke And Fire Protection Sealant (STI SpecSeal ES Series)	1,232.33	298.29
07 84 56 Fire Safing (07 84)		
07 84 56 13 Fibrous Fire Safing (07 84 56)		
07 84 56 13-0001 Thermal Barrier Wrap (07 84 56 13) Note: Includes cutting wrap to fit pipe or conduit and sealing edges.		
07 84 56 13-0002 SF 1/2" Thick Fire Barrier Plenum Wrap (3M Plenum Wrap 5A)	8.84	
<i>For Work In Restricted Working Space, Add</i>	1.36	
07 84 56 13-0003 SF 1-1/2" Thick Fire Barrier Duct Wrap (3M Duct Wrap 15A).....	13.49	
Note: Includes cutting wrap to fit pipe or conduit and sealing edges.		
<i>For Work In Restricted Working Space, Add</i>	1.36	
07 84 56 13-0004 SF 2" Thick Fire Barrier Duct Wrap (3M Duct Wrap 20A).....	14.61	
Note: Includes cutting wrap to fit pipe or conduit and sealing edges.		
<i>For Work In Restricted Working Space, Add</i>	1.36	
07 84 56 13-0005 FireMaster Blanket Wrap Fireproofing (07 84 56 13)		
07 84 56 13-0006 SF 1/2" Thermal Ceramics FireMaster Blanket Wrap.....	15.21	9.12
<i>For Work In Restricted Working Space, Add</i>	3.66	
<i>For >500 To 5,000, Deduct</i>	-1.30	
<i>For >5,000, Deduct</i>	-2.33	
07 84 56 13-0007 SF 1" Thermal Ceramics FireMaster Blanket Wrap.....	17.69	9.12
<i>For Work In Restricted Working Space, Add</i>	3.66	
<i>For >500 To 5,000, Deduct</i>	-1.87	
<i>For >5,000, Deduct</i>	-3.25	
07 84 56 13-0008 SF 1-1/2" Thermal Ceramics FireMaster Blanket Wrap.....	20.41	9.12
<i>For Work In Restricted Working Space, Add</i>	3.66	
<i>For >500 To 5,000, Deduct</i>	-2.50	
<i>For >5,000, Deduct</i>	-4.26	
07 84 56 13-0009 SF 2" Thermal Ceramics FireMaster Blanket Wrap.....	23.13	9.12
<i>For Work In Restricted Working Space, Add</i>	3.66	
<i>For >500 To 5,000, Deduct</i>	-3.12	
<i>For >5,000, Deduct</i>	-5.26	



MINOR	CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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07 90 Joint Protection (07)

07 91 Preformed Joint Seals (07 90)

07 91 23 Backer Rods (07 91)

07 91 23 00-0001 Backer Rods (07 91 23)

07 91 23 00-0002	LF	1/4" Polyethylene Or Polyurethane Backer Rod	1.23	0.38
07 91 23 00-0003	LF	3/8" Polyethylene Or Polyurethane Backer Rod	1.32	0.38
07 91 23 00-0004	LF	1/2" Polyethylene Or Polyurethane Backer Rod	1.42	0.38
07 91 23 00-0005	LF	5/8" Polyethylene Or Polyurethane Backer Rod	1.51	0.38
07 91 23 00-0006	LF	3/4" Polyethylene Or Polyurethane Backer Rod	1.57	0.46
07 91 23 00-0007	LF	7/8" Polyethylene Or Polyurethane Backer Rod	1.65	0.46
07 91 23 00-0008	LF	1" Polyethylene Or Polyurethane Backer Rod	1.81	0.46
07 91 23 00-0009	LF	1-1/4" Polyethylene Or Polyurethane Backer Rod	2.00	0.53
07 91 23 00-0010	LF	1-1/2" Polyethylene Or Polyurethane Backer Rod	2.22	0.61
07 91 23 00-0011	LF	2" Polyethylene Or Polyurethane Backer Rod	2.60	0.68
07 91 23 00-0012	LF	3" Polyethylene Or Polyurethane Backer Rod	3.89	0.84

07 91 26 Joint Fillers (07 91)

07 91 26 00-0001 Butyl Rubber Fillers (07 91 26)

07 91 26 00-0002	LF	1/4" x 1/4" Butyl Rubber Filler	1.54	0.46
		<i>For Coloring, Add</i>	<i>0.00</i>	
07 91 26 00-0003	LF	1/2" x 1/2" Butyl Rubber Filler	4.39	1.30
		<i>For Coloring, Add</i>	<i>0.02</i>	
07 91 26 00-0004	LF	1/2" x 3/4" Butyl Rubber Filler	5.01	1.38
		<i>For Coloring, Add</i>	<i>0.03</i>	
07 91 26 00-0005	LF	3/4" x 3/4" Butyl Rubber Filler	5.10	1.45
07 91 26 00-0006	LF	1" x 1" Butyl Rubber Filler	4.62	1.61

07 91 26 00-0007 Closed Cell Neoprene (07 91 26)

07 91 26 00-0008	CLF	1/8" x 3" Neoprene Gasket Closed Cell, Adhesive	307.70	88.13
07 91 26 00-0009	CLF	1/8" x 6" Neoprene Gasket Closed Cell, Adhesive	508.04	127.31
07 91 26 00-0010	CLF	1/4" x 3" Neoprene Gasket Closed Cell, Adhesive	398.66	109.13
07 91 26 00-0011	CLF	1/4" x 6" Neoprene Gasket Closed Cell, Adhesive	470.26	114.55
07 91 26 00-0012	CLF	1/2" x 6" Neoprene Gasket Closed Cell, Adhesive	716.73	176.26
07 91 26 00-0013	CLF	1/2" x 9" Neoprene Gasket Closed Cell, Adhesive	830.32	190.93
07 91 26 00-0014	CLF	1/2" x 12" Neoprene Gasket Closed Cell, Adhesive	785.27	138.85

07 91 26 00-0015 Closed Cell Polyvinyl Chloride (07 91 26)

07 91 26 00-0016	CLF	1/8" x 3" Polyethylene Joint Backing, Closed Cell	310.57	109.13
07 91 26 00-0017	CLF	1/8" x 6" Polyethylene Joint Backing, Closed Cell	525.24	176.26
07 91 26 00-0018	CLF	1/4" x 3" Polyethylene Joint Backing, Closed Cell	405.98	150.46
07 91 26 00-0019	CLF	1/4" x 6" Polyethylene Joint Backing, Closed Cell	488.42	158.85
07 91 26 00-0020	CLF	1/2" x 6" Polyethylene Joint Backing, Closed Cell	743.65	243.63
07 91 26 00-0021	CLF	1/2" x 9" Polyethylene Joint Backing, Closed Cell	870.13	264.40
07 91 26 00-0022	CLF	1/2" x 12" Polyethylene Joint Backing, Closed Cell	1,151.67	316.94

07 91 26 00-0023 Silicon RTV Foam Penetration Seal (07 91 26)

07 91 26 00-0024	CLF	1/4" x 1/2" Silicon RTV Foam Seal	116.90	17.49
07 91 26 00-0025	CLF	1/2" x 1/2" Silicon RTV Foam Seal	233.80	34.90
07 91 26 00-0026	CLF	1/2" x 3/4" Silicon RTV Foam Seal	348.74	51.86
07 91 26 00-0027	CLF	3/4" x 3/4" Silicon RTV Foam Seal	496.99	69.88
07 91 26 00-0028	CLF	1/8" x 1" Silicon RTV Foam Seal	116.90	17.49
07 91 26 00-0029	CLF	1/8" x 3" Silicon RTV Foam Seal	348.43	51.70
07 91 26 00-0030	CLF	1/4" x 3" Silicon RTV Foam Seal	610.89	77.67
07 91 26 00-0031	CLF	1/4" x 6" Silicon RTV Foam Seal	1,220.43	154.80
07 91 26 00-0032	CLF	1/2" x 6" Silicon RTV Foam Seal	2,335.66	279.44
07 91 26 00-0033	CLF	1/2" x 9" Silicon RTV Foam Seal	3,559.65	436.53
07 91 26 00-0034	CLF	1/2" x 12" Silicon RTV Foam Seal	5,145.99	698.49

07 91 26 00-0035 Seals O-Ring Type Cord "J-Seal" (07 91 26)

07 91 26 00-0036	LF	1/4" Seals O-Ring Cord, J-Seal	3.26	0.99
07 91 26 00-0037	LF	1/2" Seals O-Ring Cord, J-Seal	3.46	0.99
07 91 26 00-0038	LF	3/4" Seals O-Ring Cord, J-Seal	3.65	1.06
07 91 26 00-0039	LF	1" Seals O-Ring Cord, J-Seal	3.87	1.14
07 91 26 00-0040	LF	1-1/4" Seals O-Ring Cord, J-Seal	4.16	1.23
07 91 26 00-0041	LF	1-1/2" Seals O-Ring Cord, J-Seal	4.37	1.23
07 91 26 00-0042	LF	1-3/4" Seals O-Ring Cord, J-Seal	4.63	1.30
07 91 26 00-0043	LF	2" Seals O-Ring Cord, J-Seal	4.80	1.30

07 91 33 Expansion Joint Seal Systems (07 91)

07 Thermal And Moisture Protection**07 90 Joint Protection****07 91 Prefomed Joint Seals**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

07 91 33 00-0001	Expansion Joint Seal Systems (Wabo®) (07 91 33)			
07 91 33 00-0002	Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal Systems (Wabo® HSeal) (07 91 33 00-0001)			
	Note: Includes a pre-compressed seal, epoxy adhesive and traffic grade elastomeric top coating.			
07 91 33 00-0003	LF	1/2" Minimum, 1-1/2" Maximum Joint Opening, Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal System (Wabo® HSeal 25EH)	53.69	5.74
07 91 33 00-0004	LF	3/4" Minimum, 2-1/4" Maximum Joint Opening, Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal System (Wabo® HSeal 40EH)	70.27	6.01
07 91 33 00-0005	LF	1" Minimum, 3" Maximum Joint Opening, Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal System (Wabo® HSeal 50EH)	87.75	6.29
07 91 33 00-0006	LF	1-1/4" Minimum, 3-3/4" Maximum Joint Opening, Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal System (Wabo® HSeal 65EH)	107.16	6.56
07 91 33 00-0007	LF	1-1/2" Minimum, 4-1/2" Maximum Joint Opening, Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal System (Wabo® HSeal 75EH)	137.46	6.83
07 91 33 00-0008	LF	1-3/4" Minimum, 5-1/4" Maximum Joint Opening, Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal System (Wabo® HSeal 90EH)	157.20	7.11
07 91 33 00-0009	LF	2" Minimum, 6" Maximum Joint Opening, Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal System (Wabo® HSeal 100EH)	181.63	7.38
07 91 33 00-0010	Neoprene, Prefomed Elastomeric Horizontal Expansion Joint Seal Systems (Wabo® CompressionSeal) (07 91 33 00-0001)			
	Note: Includes prefomed neoprene joint seal and lubricant adhesive.			
07 91 33 00-0011	LF	0.625" Minimum, 1.381" Maximum Joint Opening, Neoprene, Prefomed Elastomeric Horizontal Expansion Joint Seal System (Wabo® CompressionSeal WA-162)	30.05	5.74
07 91 33 00-0012	LF	0.688" Minimum, 1.488" Maximum Joint Opening, Neoprene, Prefomed Elastomeric Horizontal Expansion Joint Seal System (Wabo® CompressionSeal WA-175)	32.40	5.82
07 91 33 00-0013	LF	0.875" Minimum, 1.700" Maximum Joint Opening, Neoprene, Prefomed Elastomeric Horizontal Expansion Joint Seal System (Wabo® CompressionSeal WA-200)	38.11	5.90
07 91 33 00-0014	LF	0.953" Minimum, 1.913" Maximum Joint Opening, Neoprene, Prefomed Elastomeric Horizontal Expansion Joint Seal System (Wabo® CompressionSeal WA-225)	40.22	6.01
07 91 33 00-0015	LF	1.000" Minimum, 2.125" Maximum Joint Opening, Neoprene, Prefomed Elastomeric Horizontal Expansion Joint Seal System (Wabo® CompressionSeal WA-250)	42.67	6.09
07 91 33 00-0016	LF	1.125" Minimum, 2.550" Maximum Joint Opening, Neoprene, Prefomed Elastomeric Horizontal Expansion Joint Seal System (Wabo® CompressionSeal WA-300)	51.11	6.17
07 91 33 00-0017	LF	1.375" Minimum, 2.975" Maximum Joint Opening, Neoprene, Prefomed Elastomeric Horizontal Expansion Joint Seal System (Wabo® CompressionSeal WA-350)	61.82	6.29
07 91 33 00-0018	LF	1.625" Minimum, 3.400" Maximum Joint Opening, Neoprene, Prefomed Elastomeric Horizontal Expansion Joint Seal System (Wabo® CompressionSeal WA-400)	72.29	6.56
07 91 33 00-0019	LF	1.687" Minimum, 4.250" Maximum Joint Opening, Neoprene, Prefomed Elastomeric Horizontal Expansion Joint Seal System (Wabo® CompressionSeal WA-500)	81.30	6.83
07 91 33 00-0020	Santoprene®, Prefomed Elastomeric Vertical Expansion Joint Seal Systems (Wabo® CompressionSeal) (07 91 33 00-0001)			
	Note: Includes prefomed Santoprene® joint seal and lubricant adhesive.			
07 91 33 00-0021	LF	0.500" Minimum, 1.500" Maximum Joint Opening, Santoprene®, Prefomed Elastomeric Vertical Expansion Joint Seal System (Wabo® CompressionSeal WE-100)	26.03	5.74
07 91 33 00-0022	LF	0.688" Minimum, 1.938" Maximum Joint Opening, Santoprene®, Prefomed Elastomeric Vertical Expansion Joint Seal System (Wabo® CompressionSeal WE-225)	32.49	6.01
07 91 33 00-0023	LF	1.063" Minimum, 2.125" Maximum Joint Opening, Santoprene®, Prefomed Elastomeric Vertical Expansion Joint Seal System (Wabo® CompressionSeal WE-250)	38.85	6.29
07 91 33 00-0024	LF	1.250" Minimum, 2.563" Maximum Joint Opening, Santoprene®, Prefomed Elastomeric Vertical Expansion Joint Seal System (Wabo® CompressionSeal WE-300)	40.81	6.42
07 91 33 00-0025	LF	1.250" Minimum, 3.375" Maximum Joint Opening, Santoprene®, Prefomed Elastomeric Vertical Expansion Joint Seal System (Wabo® CompressionSeal WE-400)	44.76	6.56
07 91 33 00-0026	LF	1.438" Minimum, 4.250" Maximum Joint Opening, Santoprene®, Prefomed Elastomeric Vertical Expansion Joint Seal System (Wabo® CompressionSeal WE-500)	61.82	6.83
07 91 33 00-0027	LF	1.813" Minimum, 5.125" Maximum Joint Opening, Santoprene®, Prefomed Elastomeric Vertical Expansion Joint Seal System (Wabo® CompressionSeal WE-600)	82.86	7.11
07 91 33 00-0028	Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal Systems (Wabo® Seismic WeatherSeal) (07 91 33 00-0001)			
	Note: Includes a pre-compressed foam seal and silicone sealant.			
07 91 33 00-0029	LF	1/2" Minimum, 1-1/2" Maximum Joint Opening, Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal System (Wabo® Seismic WeatherSeal SWS-100)	19.13	2.28
07 91 33 00-0030	LF	3/4" Minimum, 2-1/4" Maximum Joint Opening, Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal System (Wabo® Seismic WeatherSeal SWS-150)	31.29	2.37
07 91 33 00-0031	LF	1" Minimum, 3" Maximum Joint Opening, Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal System (Wabo® Seismic WeatherSeal SWS-200)	46.50	2.46
07 91 33 00-0032	LF	1-1/4" Minimum, 3-3/4" Maximum Joint Opening, Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal System (Wabo® Seismic WeatherSeal SWS-250)	58.32	2.55
07 91 33 00-0033	LF	1-1/2" Minimum, 4-1/2" Maximum Joint Opening, Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal System (Wabo® Seismic WeatherSeal SWS-300)	76.35	2.65
07 91 33 00-0034	LF	1-3/4" Minimum, 5-1/4" Maximum Joint Opening, Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal System (Wabo® Seismic WeatherSeal SWS-350)	100.59	2.74
07 91 33 00-0035	LF	2" Minimum, 6" Maximum Joint Opening, Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal System (Wabo® Seismic WeatherSeal SWS-400)	123.09	2.83
07 91 33 00-0036	LF	2-1/2" Minimum, 7-1/2" Maximum Joint Opening, Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal System (Wabo® Seismic WeatherSeal SWS-500)	165.50	2.92



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 91 33 00-0037 LF 3" Minimum, 9" Maximum Joint Opening, Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal System (Wabo® Seismic WeatherSeal SWS-600).....	193.00	3.01
07 91 33 00-0038 Silicone Faced Foam, Preformed Elastomeric Expansion Joint Seal Systems (Wabo® WeatherSeal II) (07 91 33 00-0001)		
Note: Includes a pre-compressed foam seal and silicone sealant.		
07 91 33 00-0039 LF 0.75" Minimum, 1.25" Maximum Joint Opening, Silicone Faced Foam, Preformed Elastomeric Expansion Joint Seal System (Wabo® WeatherSeal II WS-100).....	18.70	2.28
07 91 33 00-0040 LF 1.13" Minimum, 1.88" Maximum Joint Opening, Silicone Faced Foam, Preformed Elastomeric Expansion Joint Seal System (Wabo® WeatherSeal II WS-150).....	24.32	2.37
07 91 33 00-0041 LF 1.50" Minimum, 2.50" Maximum Joint Opening, Silicone Faced Foam, Preformed Elastomeric Expansion Joint Seal System (Wabo® WeatherSeal II WS-200).....	32.24	2.46
07 91 33 00-0042 LF 1.88" Minimum, 3.13" Maximum Joint Opening, Silicone Faced Foam, Preformed Elastomeric Expansion Joint Seal System (Wabo® WeatherSeal II WS-250).....	43.30	2.55
07 91 33 00-0043 LF 2.25" Minimum, 3.75" Maximum Joint Opening, Silicone Faced Foam, Preformed Elastomeric Expansion Joint Seal System (Wabo® WeatherSeal II WS-300).....	49.25	2.65
07 91 33 00-0044 LF 2.63" Minimum, 4.38" Maximum Joint Opening, Silicone Faced Foam, Preformed Elastomeric Expansion Joint Seal System (Wabo® WeatherSeal II WS-350).....	67.83	2.74
07 91 33 00-0045 LF 3.00" Minimum, 5.00" Maximum Joint Opening, Silicone Faced Foam, Preformed Elastomeric Expansion Joint Seal System (Wabo® WeatherSeal II WS-400).....	90.66	2.83
07 91 33 00-0046 LF 3.75" Minimum, 6.25" Maximum Joint Opening, Silicone Faced Foam, Preformed Elastomeric Expansion Joint Seal System (Wabo® WeatherSeal II WS-500).....	97.80	2.92

07 92 Joint Sealants (07 90)

07 92 13 Elastomeric Joint Sealants (07 92)

07 92 13 00-0001 Silicone Sealant And Caulking (07 92 13)

07 92 13 00-0002 CLF 1/4" x 1/4" Joint, Silicone Sealant And Caulking.....	330.82	144.63
For Coloring, Add	14.96	
For 1 Part Mildew Resistant, Add	14.55	
For High-Modulus Non-Acid Curing, Add	8.31	
07 92 13 00-0003 CLF 1/4" x 3/8" Joint, Silicone Sealant And Caulking.....	360.64	149.16
For Coloring, Add	22.44	
For 1 Part Mildew Resistant, Add	21.82	
For High-Modulus Non-Acid Curing, Add	12.47	
07 92 13 00-0004 CLF 1/4" x 1/2" Joint, Silicone Sealant And Caulking.....	390.42	153.67
For Coloring, Add	29.92	
For 1 Part Mildew Resistant, Add	29.09	
For High-Modulus Non-Acid Curing, Add	16.62	
07 92 13 00-0005 CLF 3/8" x 3/8" Joint, Silicone Sealant And Caulking.....	400.81	153.67
For Coloring, Add	33.66	
For 1 Part Mildew Resistant, Add	32.73	
For High-Modulus Non-Acid Curing, Add	18.70	
07 92 13 00-0006 CLF 3/8" x 1/2" Joint, Silicone Sealant And Caulking.....	441.09	158.19
For Coloring, Add	44.88	
For 1 Part Mildew Resistant, Add	43.63	
For High-Modulus Non-Acid Curing, Add	24.93	
07 92 13 00-0007 CLF 3/8" x 5/8" Joint, Silicone Sealant And Caulking.....	481.28	162.72
For Coloring, Add	56.10	
For 1 Part Mildew Resistant, Add	54.54	
For High-Modulus Non-Acid Curing, Add	31.17	
07 92 13 00-0008 CLF 3/8" x 3/4" Joint, Silicone Sealant And Caulking.....	530.46	171.75
For Coloring, Add	67.32	
For 1 Part Mildew Resistant, Add	65.45	
For High-Modulus Non-Acid Curing, Add	37.40	
07 92 13 00-0009 CLF 1/2" x 1/2" Joint, Silicone Sealant And Caulking.....	491.67	162.72
For Coloring, Add	59.84	
For 1 Part Mildew Resistant, Add	58.18	
For High-Modulus Non-Acid Curing, Add	33.25	
07 92 13 00-0010 CLF 1/2" x 5/8" Joint, Silicone Sealant And Caulking.....	569.37	180.79
For Coloring, Add	74.80	
For 1 Part Mildew Resistant, Add	72.73	
For High-Modulus Non-Acid Curing, Add	41.56	
07 92 13 00-0011 CLF 1/2" x 3/4" Joint, Silicone Sealant And Caulking.....	629.03	189.84
For Coloring, Add	89.77	
For 1 Part Mildew Resistant, Add	87.27	
For High-Modulus Non-Acid Curing, Add	49.87	
07 92 13 00-0012 CLF 1/2" x 7/8" Joint, Silicone Sealant And Caulking.....	688.64	198.86
For Coloring, Add	104.73	
For 1 Part Mildew Resistant, Add	101.82	
For High-Modulus Non-Acid Curing, Add	58.18	
07 92 13 00-0013 CLF 1/2" x 1" Joint, Silicone Sealant And Caulking.....	739.22	203.38
For Coloring, Add	119.69	
For 1 Part Mildew Resistant, Add	116.36	
For High-Modulus Non-Acid Curing, Add	66.49	
07 92 13 00-0014 CLF 3/4" x 3/4" Joint, Silicone Sealant And Caulking.....	789.90	207.90
For Coloring, Add	134.65	
For 1 Part Mildew Resistant, Add	130.91	
For High-Modulus Non-Acid Curing, Add	74.80	

07 Thermal And Moisture Protection**07 90 Joint Protection****07 92 Joint Sealants**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 92 13 00-0015 CLF 1" x 1" Joint, Silicone Sealant And Caulking	1,116.91	225.99
For Coloring, Add	239.37	
For 1 Part Mildew Resistant, Add	232.73	
For High-Modulus Non-Acid Curing, Add	132.99	
07 92 13 00-0016 Acrylic/Latex Sealant And Caulking (07 92 13)		
07 92 13 00-0017 CLF 1/4" x 1/4" Joint, Acrylic/Latex Sealant And Caulking	310.51	144.62
07 92 13 00-0018 CLF 1/4" x 3/8" Joint, Acrylic/Latex Sealant And Caulking	330.14	149.15
07 92 13 00-0019 CLF 1/4" x 1/2" Joint, Acrylic/Latex Sealant And Caulking	349.76	153.67
07 92 13 00-0020 CLF 3/8" x 3/8" Joint, Acrylic/Latex Sealant And Caulking	355.07	153.67
07 92 13 00-0021 CLF 3/8" x 1/2" Joint, Acrylic/Latex Sealant And Caulking	380.11	158.19
07 92 13 00-0022 CLF 3/8" x 5/8" Joint, Acrylic/Latex Sealant And Caulking	405.06	162.72
07 92 13 00-0023 CLF 3/8" x 3/4" Joint, Acrylic/Latex Sealant And Caulking	438.99	171.75
07 92 13 00-0024 CLF 1/2" x 1/2" Joint, Acrylic/Latex Sealant And Caulking	410.37	162.72
07 92 13 00-0025 CLF 1/2" x 5/8" Joint, Acrylic/Latex Sealant And Caulking	467.74	180.79
07 92 13 00-0026 CLF 1/2" x 3/4" Joint, Acrylic/Latex Sealant And Caulking	507.07	189.84
07 92 13 00-0027 CLF 1/2" x 7/8" Joint, Acrylic/Latex Sealant And Caulking	546.35	198.86
07 92 13 00-0028 CLF 1/2" x 1" Joint, Acrylic/Latex Sealant And Caulking	576.60	203.38
07 92 13 00-0029 CLF 3/4" x 3/4" Joint, Acrylic/Latex Sealant And Caulking	606.96	207.90
07 92 13 00-0030 CLF 1" x 1" Joint, Acrylic/Latex Sealant And Caulking	791.68	225.99
07 92 13 00-0031 Polyurethane Sealant And Caulking (07 92 13)		
Note: 1 or 2 part, non-sag.		
07 92 13 00-0032 CLF 1/4" x 1/4" Joint, Polyurethane Sealant And Caulking	321.15	144.62
07 92 13 00-0033 CLF 1/4" x 3/8" Joint, Polyurethane Sealant And Caulking	346.10	150.06
07 92 13 00-0034 CLF 1/4" x 1/2" Joint, Polyurethane Sealant And Caulking	371.05	153.67
07 92 13 00-0035 CLF 3/8" x 3/8" Joint, Polyurethane Sealant And Caulking	379.02	153.67
07 92 13 00-0036 CLF 3/8" x 1/2" Joint, Polyurethane Sealant And Caulking	412.04	158.19
07 92 13 00-0037 CLF 3/8" x 5/8" Joint, Polyurethane Sealant And Caulking	444.97	162.72
07 92 13 00-0038 CLF 3/8" x 3/4" Joint, Polyurethane Sealant And Caulking	486.88	171.75
07 92 13 00-0039 CLF 1/2" x 1/2" Joint, Polyurethane Sealant And Caulking	452.93	162.72
07 92 13 00-0040 CLF 1/2" x 5/8" Joint, Polyurethane Sealant And Caulking	520.95	180.79
07 92 13 00-0041 CLF 1/2" x 3/4" Joint, Polyurethane Sealant And Caulking	570.92	189.84
07 92 13 00-0042 CLF 1/2" x 7/8" Joint, Polyurethane Sealant And Caulking	620.85	198.86
07 92 13 00-0043 CLF 1/2" x 1" Joint, Polyurethane Sealant And Caulking	661.74	203.38
07 92 13 00-0044 CLF 3/4" x 3/4" Joint, Polyurethane Sealant And Caulking	702.74	207.90
07 92 13 00-0045 CLF 3/4" x 1" Joint, Polyurethane Sealant And Caulking	834.46	225.99
07 92 13 00-0046 Flexible Polysulfide Sealant And Caulking, Clear (07 92 13)		
Note: 1 or 2 part, non-sag.		
07 92 13 00-0047 CLF 1/4" x 1/4" Joint, Polysulfide Sealant And Caulking	324.18	144.62
07 92 13 00-0048 CLF 1/4" x 3/8" Joint, Polysulfide Sealant And Caulking	350.65	150.97
07 92 13 00-0049 CLF 1/4" x 1/2" Joint, Polysulfide Sealant And Caulking	377.11	153.67
07 92 13 00-0050 CLF 3/8" x 3/8" Joint, Polysulfide Sealant And Caulking	385.84	153.67
07 92 13 00-0051 CLF 3/8" x 1/2" Joint, Polysulfide Sealant And Caulking	421.15	158.19
07 92 13 00-0052 CLF 3/8" x 5/8" Joint, Polysulfide Sealant And Caulking	456.34	162.72
07 92 13 00-0053 CLF 3/8" x 3/4" Joint, Polysulfide Sealant And Caulking	500.52	171.75
07 92 13 00-0054 CLF 1/2" x 1/2" Joint, Polysulfide Sealant And Caulking	465.06	162.72
07 92 13 00-0055 CLF 1/2" x 5/8" Joint, Polysulfide Sealant And Caulking	536.12	180.79
07 92 13 00-0056 CLF 1/2" x 3/4" Joint, Polysulfide Sealant And Caulking	589.12	189.84
07 92 13 00-0057 CLF 1/2" x 7/8" Joint, Polysulfide Sealant And Caulking	642.08	198.86
07 92 13 00-0058 CLF 1/2" x 1" Joint, Polysulfide Sealant And Caulking	686.00	203.38
07 92 13 00-0059 CLF 3/4" x 3/4" Joint, Polysulfide Sealant And Caulking	730.04	207.90
07 92 13 00-0060 CLF 3/4" x 1" Joint, Polysulfide Sealant And Caulking	870.85	225.99
07 92 13 00-0061 Flexible Polyurethane Security Sealant And Caulking (07 92 13)		
Note: 1 or 2 part, non-sag.		
07 92 13 00-0062 CLF 1/4" x 1/4" Joint, Flexible Polyurethane Security Sealant And Caulking	331.58	144.62
07 92 13 00-0063 CLF 1/4" x 3/8" Joint, Flexible Polyurethane Security Sealant And Caulking	361.75	150.06
07 92 13 00-0064 CLF 1/4" x 1/2" Joint, Flexible Polyurethane Security Sealant And Caulking	391.91	153.67
07 92 13 00-0065 CLF 3/8" x 3/8" Joint, Flexible Polyurethane Security Sealant And Caulking	402.48	153.67
07 92 13 00-0066 CLF 3/8" x 1/2" Joint, Flexible Polyurethane Security Sealant And Caulking	443.33	158.19
07 92 13 00-0067 CLF 3/8" x 5/8" Joint, Flexible Polyurethane Security Sealant And Caulking	484.08	162.72
07 92 13 00-0068 CLF 3/8" x 3/4" Joint, Flexible Polyurethane Security Sealant And Caulking	533.81	171.75
07 92 13 00-0069 CLF 1/2" x 1/2" Joint, Flexible Polyurethane Security Sealant And Caulking	494.65	162.72
07 92 13 00-0070 CLF 1/2" x 5/8" Joint, Flexible Polyurethane Security Sealant And Caulking	573.10	180.79
07 92 13 00-0071 CLF 1/2" x 3/4" Joint, Flexible Polyurethane Security Sealant And Caulking	633.50	189.84
07 92 13 00-0072 CLF 1/2" x 7/8" Joint, Flexible Polyurethane Security Sealant And Caulking	693.85	198.86
07 92 13 00-0073 CLF 1/2" x 1" Joint, Flexible Polyurethane Security Sealant And Caulking	745.18	203.38
07 92 13 00-0074 CLF 3/4" x 3/4" Joint, Flexible Polyurethane Security Sealant And Caulking	796.61	207.90
07 92 13 00-0075 CLF 3/4" x 1" Joint, Flexible Polyurethane Security Sealant And Caulking	959.62	225.99
07 92 19 Acoustical Joint Sealants (07 92)		
07 92 19 00-0001 Acoustical Sealant (07 92 19)		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 92 19 00-0002 CLF 1/4" x 1/4" Joint, Acoustical Sealant	296.70	135.60
For Coloring, Add	9.19	
For 1 Part Mildew Resistant, Add	8.94	
For High-Modulus Non-Acid Curing, Add	5.11	
07 92 19 00-0003 CLF 1/4" x 3/8" Joint, Acoustical Sealant	324.53	144.62
For Coloring, Add	12.69	
For 1 Part Mildew Resistant, Add	12.34	
For High-Modulus Non-Acid Curing, Add	7.05	
07 92 19 00-0004 CLF 1/4" x 1/2" Joint, Acoustical Sealant	348.26	153.67
For Coloring, Add	14.75	
For 1 Part Mildew Resistant, Add	14.34	
For High-Modulus Non-Acid Curing, Add	8.19	
07 92 19 00-0005 CLF 3/8" x 3/8" Joint, Acoustical Sealant	364.14	153.67
For Coloring, Add	20.46	
For 1 Part Mildew Resistant, Add	19.89	
For High-Modulus Non-Acid Curing, Add	11.37	
07 92 19 00-0006 CLF 3/8" x 1/2" Joint, Acoustical Sealant	389.76	158.19
For Coloring, Add	26.40	
For 1 Part Mildew Resistant, Add	25.67	
For High-Modulus Non-Acid Curing, Add	14.67	
07 92 19 00-0007 CLF 1/2" x 1/2" Joint, Acoustical Sealant	428.78	162.72
For Coloring, Add	37.20	
For 1 Part Mildew Resistant, Add	36.17	
For High-Modulus Non-Acid Curing, Add	20.67	

07 95 Expansion Control (07 90)

07 95 13 Expansion Joint Cover Assemblies (07 95)

Note: Includes necessary waterproofing mastics/caulking.

07 95 13 13 Interior Expansion Joint Cover Assemblies (07 95 13)

07 95 13 13-0001 Interior Floor Expansion Joint Cover Assemblies (07 95 13 13)

07 95 13 13-0002 With 1" Space (07 95 13 13-0001)

07 95 13 13-0003	LF	Aluminum Expansion Joint Cover, 1" Opening Floor Assembly Type.....	37.09	5.37
07 95 13 13-0004	LF	Bronze Expansion Joint Cover, 1" Opening Floor Assembly Type	65.29	5.37
07 95 13 13-0005	LF	Stainless Steel Expansion Joint Cover, 1" Opening Floor Assembly Type.....	71.90	5.37

07 95 13 13-0006 With 2" Space (07 95 13 13-0001)

07 95 13 13-0007	LF	Aluminum Expansion Joint Cover, 2" Opening Floor Assembly Type.....	43.86	5.37
07 95 13 13-0008	LF	Bronze Expansion Joint Cover, 2" Opening Floor Assembly Type	79.20	5.37
07 95 13 13-0009	LF	Stainless Steel Expansion Joint Cover, 2" Opening Floor Assembly Type.....	96.08	5.37

07 95 13 13-0010 Interior Ceiling And Wall Expansion Joint Cover Assemblies (07 95 13 13)

07 95 13 13-0011 With 1" Space (07 95 13 13-0010)

07 95 13 13-0012	LF	Aluminum Expansion Joint Cover, 1" Opening Ceiling And Wall Assembly Type.....	30.32	5.37
07 95 13 13-0013	LF	Bronze Expansion Joint Cover, 1" Opening Ceiling And Wall Assembly Type	51.38	5.37
07 95 13 13-0014	LF	Stainless Steel Expansion Joint Cover, 1" Opening Ceiling And Wall Assembly Type.....	59.81	5.37

07 95 13 13-0015 With 2" Space (07 95 13 13-0010)

07 95 13 13-0016	LF	Aluminum Expansion Joint Cover, 2" Opening Ceiling And Wall Assembly Type.....	34.38	5.37
07 95 13 13-0017	LF	Bronze Expansion Joint Cover, 2" Opening Ceiling And Wall Assembly Type	58.33	5.37
07 95 13 13-0018	LF	Stainless Steel Expansion Joint Cover, 2" Opening Ceiling And Wall Assembly Type.....	71.90	5.37

07 95 13 16 Exterior Expansion Joint Cover Assemblies (07 95 13)

07 95 13 16-0001 Exterior Roof Aluminum Expansion Joint Cover Assemblies (07 95 13 16)

07 95 13 16-0002 Roof To Roof (07 95 13 16-0001)

07 95 13 16-0003	LF	Exterior Roof To Roof Expansion Joint, 1" Opening Aluminum Assemblies	37.01	3.58
07 95 13 16-0004	LF	Exterior Roof To Roof Expansion Joint, 2" Opening Aluminum Assemblies	42.71	3.58
07 95 13 16-0005	LF	Exterior Roof To Roof Expansion Joint, 3" Opening Aluminum Assemblies	46.64	3.58

07 95 13 16-0006 Roof To Wall (07 95 13 16-0001)

07 95 13 16-0007	LF	Exterior Roof To Wall Expansion Joint, 1" Opening Aluminum Assemblies.....	30.81	3.58
07 95 13 16-0008	LF	Exterior Roof To Wall Expansion Joint, 2" Opening Aluminum Assemblies.....	37.78	3.58

07 95 13 16-0009 Flat Wall To Wall (07 95 13 16-0001)

07 95 13 16-0010	LF	Exterior Wall To Wall Expansion Joint, 1" Opening Aluminum Assemblies	24.67	3.58
07 95 13 16-0011	LF	Exterior Wall To Wall Expansion Joint, 2" Opening Aluminum Assemblies	28.86	3.58
07 95 13 16-0012	LF	Exterior Wall To Wall Expansion Joint, 3" Opening Aluminum Assemblies	33.91	3.58

07 95 13 16-0013 Corner To Flat Wall (07 95 13 16-0001)

07 Thermal And Moisture Protection**07 90 Joint Protection**

07 95 Expansion Control



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 95 13 16-0014	LF		Exterior Corner To Wall Expansion Joint, 1" Opening Aluminum Assemblies	24.64	3.58
07 95 13 16-0015	LF		Exterior Corner To Wall Expansion Joint, 2" Opening Aluminum Assemblies	27.43	3.58
07 95 13 16-0016	LF		Exterior Corner To Wall Expansion Joint, 3" Opening Aluminum Assemblies	35.27	3.58

END OF SECTION 07



MINOR	CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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08 Openings

08 01 Operation And Maintenance Of Openings ⁽⁰⁸⁾

08 01 10 Operation And Maintenance Of Doors And Frames ^(08 01)

08 01 11 Operation and Maintenance of Metal Doors and Frames ^(08 01 10)

08 01 11 61 Metal Doors And Frames Repair ^(08 01 11)

08 01 11 61-0001 Hollow Metal Door Repair ^(08 01 11 61)

Note: Repairs are based on holes or damage of less than 1/2 of a square foot.

08 01 11 61-0002	SF	Patch Small Drill Holes	7.21
08 01 11 61-0003	LF	Patch Deep Scrapes Or Cuts In Doors	36.07
08 01 11 61-0004	IN	Patch Holes Larger Than Normal Drill Holes (By Diameter Of Holes)	10.82

08 01 50 Operation And Maintenance Of Windows ^(08 01)

08 01 52 Operation and Maintenance of Wood Windows ^(08 01 50)

08 01 52 61 Wood Window Repairs ^(08 01 52)

08 01 52 61-0001 Window Restoration And Replacement ^(08 01 52 61)

08 01 52 61-0002	EA	Removal And Replacement Of Sash Guides	9.84
08 01 52 61-0003	EA	Removal And Replacement Of Window Arms	27.10
08 01 52 61-0004	EA	Removal And Replacement Of Window Crank Operator	29.30
08 01 52 61-0005	EA	Removal And Replacement Of Brass Window Sash Pull	18.73
08 01 52 61-0006	EA	Removal And Replacement Of Brass Window Sash Lock	17.22
08 01 52 61-0007	EA	Removal And Replacement Of Window Balance, Removable Sash Window	20.55
Note: Channel, spiral or coil balance.			
08 01 52 61-0008	EA	Removal And Replacement Of Window Balance, Sash Window Including The Removal And Replacement Of Wooden Stops And/Or Casing	65.77
Note: Channel, spiral or coil balance.			
For Replacing Two Balances In One Window, Deduct			-24.96

08 01 80 Maintenance of Glazing ^(08 01)

08 01 81 Maintenance of Glass Glazing ^(08 01 80)

08 01 81 00-0001 Glazing Compound Repair ^(08 01 81)

08 01 81 00-0002	LF	Removal And Replacement Of Up To 1/2" Wide Damaged, Broken Or Cracked Window Glazing	4.15
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08 05 Common Work Results For Openings ⁽⁰⁸⁾

08 05 13 Door Options And Modifications ^(08 05)

Note: Excludes removal and reinstallation of door.

08 05 13 00-0001 Door Vision Panels (Pemko LT-S1) ^(08 05 13)

Note: Factory primed or powder coated. See CSI section 08 81 00 00-0000 for glazing.

08 05 13 00-0002	EA	For Up To 1 SF, Factory Installed 20 Gauge Galvannealed Steel Frame With 3/8" Glazing Pocket For Vision Glass In Door, Add	73.39
For 9/16" To 1-1/16" Glazing Pocket, Add			36.70
08 05 13 00-0003	EA	For >1 To 2 SF, Factory Installed 20 Gauge Galvannealed Steel Frame With 3/8" Glazing Pocket For Vision Glass In Door, Add	92.90
For 9/16" To 1-1/16" Glazing Pocket, Add			46.45
08 05 13 00-0004	EA	For >2 To 4 SF, Factory Installed 20 Gauge Galvannealed Steel Frame With 3/8" Glazing Pocket For Vision Glass In Door, Add	107.76
For 9/16" To 1-1/16" Glazing Pocket, Add			53.88
08 05 13 00-0005	EA	For >4 To 6 SF, Factory Installed 20 Gauge Galvannealed Steel Frame With 3/8" Glazing Pocket For Vision Glass In Door, Add	137.48
For 9/16" To 1-1/16" Glazing Pocket, Add			68.74
08 05 13 00-0006	EA	For >6 To 8 SF, Factory Installed 20 Gauge Galvannealed Steel Frame With 3/8" Glazing Pocket For Vision Glass In Door, Add	178.36
For 9/16" To 1-1/16" Glazing Pocket, Add			89.18
08 05 13 00-0007	EA	For >8 To 10 SF, Factory Installed 20 Gauge Galvannealed Steel Frame With 3/8" Glazing Pocket For Vision Glass In Door, Add	227.59
For 9/16" To 1-1/16" Glazing Pocket, Add			113.80
08 05 13 00-0008	EA	For >10 SF, Factory Installed 20 Gauge Galvannealed Steel Frame With 3/8" Glazing Pocket For Vision Glass In Door, Add	241.53
For 9/16" To 1-1/16" Glazing Pocket, Add			120.77
08 05 13 00-0009	EA	For Up To 1 SF, Site Installed 20 Gauge Galvannealed Steel Frame With 3/8" Glazing Pocket For Vision Glass In Door, Add	157.15
For 9/16" To 1-1/16" Glazing Pocket, Add			33.36
08 05 13 00-0010	EA	For >1 To 2 SF, Site Installed 20 Gauge Galvannealed Steel Frame With 3/8" Glazing Pocket For Vision Glass In Door, Add	183.92
For 9/16" To 1-1/16" Glazing Pocket, Add			42.23

08 Openings**08 05 Common Work Results For Openings****08 05 13 Door Options And Modifications**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 05 13 00-0011	EA		For >2 To 4 SF, Site Installed 20 Gauge Galvannealed Steel Frame With 3/8" Glazing Pocket For Vision Glass In Door, Add	206.47	
			For 9/16" To 1-1/16" Glazing Pocket, Add	48.98	
08 05 13 00-0012	EA		For >4 To 6 SF, Site Installed 20 Gauge Galvannealed Steel Frame With 3/8" Glazing Pocket For Vision Glass In Door, Add	242.54	
			For 9/16" To 1-1/16" Glazing Pocket, Add	62.50	
08 05 13 00-0013	EA		For >6 To 8 SF, Site Installed 20 Gauge Galvannealed Steel Frame With 3/8" Glazing Pocket For Vision Glass In Door, Add	288.74	
			For 9/16" To 1-1/16" Glazing Pocket, Add	81.07	
08 05 13 00-0014	EA		For >8 To 10 SF, Site Installed 20 Gauge Galvannealed Steel Frame With 3/8" Glazing Pocket For Vision Glass In Door, Add	342.54	
			For 9/16" To 1-1/16" Glazing Pocket, Add	103.45	
08 05 13 00-0015	EA		For >10 SF, Site Installed 20 Gauge Galvannealed Steel Frame With 3/8" Glazing Pocket For Vision Glass In Door, Add	364.25	
			For 9/16" To 1-1/16" Glazing Pocket, Add	109.79	
08 05 13 00-0016			Door Louvers, Inverted "Y" 50% Free Air (Pemko LV-1Y) (08 05 13)		
			Note: Factory primed or powder coated.		
08 05 13 00-0017	EA		For Up To 1 SF, Factory Installed 20 Gauge Galvannealed Inverted "Y" Blades, 18 Gauge Galvannealed Frame Louver In Door, Add	91.04	
08 05 13 00-0018	EA		For >1 To 2 SF, Factory Installed 20 Gauge Galvannealed Inverted "Y" Blades, 18 Gauge Galvannealed Frame Louver In Door, Add	102.18	
08 05 13 00-0019	EA		For >2 To 4 SF, Factory Installed 20 Gauge Galvannealed Inverted "Y" Blades, 18 Gauge Galvannealed Frame Louver In Door, Add	135.63	
08 05 13 00-0020	EA		For >4 To 6 SF, Factory Installed 20 Gauge Galvannealed Inverted "Y" Blades, 18 Gauge Galvannealed Frame Louver In Door, Add	215.52	
08 05 13 00-0021	EA		For >6 To 8 SF, Factory Installed 20 Gauge Galvannealed Inverted "Y" Blades, 18 Gauge Galvannealed Frame Louver In Door, Add	285.19	
08 05 13 00-0022	EA		For >8 To 10 SF, Factory Installed 20 Gauge Galvannealed Inverted "Y" Blades, 18 Gauge Galvannealed Frame Louver In Door, Add	354.86	
08 05 13 00-0023	EA		For >10 SF, Factory Installed 20 Gauge Galvannealed Inverted "Y" Blades, 18 Gauge Galvannealed Frame Louver In Door, Add	404.09	
08 05 13 00-0024	EA		For Up To 1 SF, Site Installed 20 Gauge Galvannealed Inverted "Y" Blades, 18 Gauge Galvannealed Frame Louver In Door, Add	158.86	
08 05 13 00-0025	EA		For >1 To 2 SF, Site Installed 20 Gauge Galvannealed Inverted "Y" Blades, 18 Gauge Galvannealed Frame Louver In Door, Add	176.78	
08 05 13 00-0026	EA		For >2 To 4 SF, Site Installed 20 Gauge Galvannealed Inverted "Y" Blades, 18 Gauge Galvannealed Frame Louver In Door, Add	217.02	
08 05 13 00-0027	EA		For >4 To 6 SF, Site Installed 20 Gauge Galvannealed Inverted "Y" Blades, 18 Gauge Galvannealed Frame Louver In Door, Add	303.69	
08 05 13 00-0028	EA		For >6 To 8 SF, Site Installed 20 Gauge Galvannealed Inverted "Y" Blades, 18 Gauge Galvannealed Frame Louver In Door, Add	380.14	
08 05 13 00-0029	EA		For >8 To 10 SF, Site Installed 20 Gauge Galvannealed Inverted "Y" Blades, 18 Gauge Galvannealed Frame Louver In Door, Add	456.59	
08 05 13 00-0030	EA		For >10 SF, Site Installed 20 Gauge Galvannealed Inverted "Y" Blades, 18 Gauge Galvannealed Frame Louver In Door, Add	512.60	
08 05 13 00-0031			Door Hardware Preparation (08 05 13)		
08 05 13 00-0032	EA		Prepare Existing Wood Door (Rated) For Mortise Hardware	167.23	
			Note: Requires door to be taken off site for UL certification.		
08 05 13 00-0033	EA		Prepare Existing Wood Door (Non Rated) For Mortise Hardware	76.84	
08 05 13 00-0034	EA		Prepare Existing Wood Door (Rated) For Cylindrical Hardware	135.60	
			Note: Requires door to be taken off site for UL certification.		
08 05 13 00-0035	EA		Prepare Existing Wood Door (Non Rated) For Cylindrical Hardware	22.59	
08 05 13 00-0036	EA		Prepare Existing Wood Door (Rated) For Concealed Vertical Rod	248.62	
			Note: Requires door to be taken off site for UL certification.		
08 05 13 00-0037	EA		Prepare Existing Wood Door (Non Rated) For Concealed Vertical Rod	158.19	
08 05 13 00-0038	EA		Prepare Existing Wood Door (Rated) For Electric Hardware	167.23	
			Note: Requires door to be taken off site for UL certification.		
08 05 13 00-0039	EA		Prepare Existing Door (Non Rated) For Electric Hardware	76.84	
08 05 13 00-0040			Door Modifications (08 05 13)		
08 05 13 00-0041	EA		For Factory Installed Sound Proofing (STC 28) In Metal Door, Add	90.75	
08 05 13 00-0042	SF		For 16 Gauge Steel Metal Plate Bolted On Door	19.49	
			Note: Includes mounting hardware.		
08 05 13 00-0043	EA		Trim Bottom Of Existing Steel Door For Installation Of Carpet Or Tile	81.39	
			Note: Excludes removal and reinstallation of door.		
08 05 13 00-0044	EA		Trim Bottom Of Existing Wood Door For Installation Of Carpet Or Tile	40.99	
			Note: Excludes removal and reinstallation of door.		
08 05 13 00-0045	EA		Modify Metal Door Frame For Door Swing	910.25	
			Note: Includes removal of door, blank hinge plates, continuous hinge, blank strike plate, new strike plate and reinstallation of door.		
08 05 13 00-0046	EA		Removal And Reinstallation Of Door	76.86	
08 05 13 00-0047	EA		Removal And Reinstallation Of Metal Door Frame	150.72	
08 05 13 00-0048	EA		Removal And Reinstallation Of Wood Door Frame	91.10	

08 10 Doors And Frames (08)**08 11 Metal Doors And Frames (08 10)**



Openings	08	08
Doors And Frames	08 10	
Metal Doors And Frames	08 11	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 11 63 Metal Screen And Storm Doors And Frames (08 11)		
08 11 63 13 Steel Screen And Storm Doors And Frames (08 11 63)		
08 11 63 13-0001 Steel Screen Door (08 11 63 13)		
Note: Includes frame, trim, necessary anchors and hardware (closures, chain and spring, latching, screens, etc.).		
08 11 63 13-0002 EA 2'-8" x 7" Steel Screen Door, Residential, With Frame, Trim, Hardware.....	683.62	124.34
08 11 63 13-0003 EA 3' x 7" Steel Screen Door, Residential, With Frame, Trim, Hardware.....	692.70	128.86
08 11 63 13-0004 EA Steel Combination Type Residential Storm Door, With Mesh And Tempered Glass With Frame, Trim, Hardware.....	735.84	128.86
08 11 63 23 Aluminum Screen And Storm Doors And Frames (08 11 63)		
08 11 63 23-0001 Aluminum Combination Type With Tempered Glass At Top And Bottom (08 11 63 23)		
Note: Includes frame trim, necessary anchors and usual hardware (closures, chain and spring, latching, screens, etc.).		
08 11 63 23-0002 EA Aluminum Combination Type Residential Storm Door, Tempered Glass Top With Frame, Trim, Hardware.....	401.85	72.35
For Special Finished, Add	26.52	
08 11 63 23-0003 EA Aluminum Combination Type Residential Storm Door, Tempered Glass Top And Bottom With Frame, Trim, Hardware.....	416.76	72.35
08 11 63 23-0004 EA Aluminum Screen Door.....	267.62	45.20
08 11 63 23-0005 SF Repair Screen Door.....	6.09	
08 11 73 Sliding Metal Fire Doors (08 11)		
08 11 73 00-0001 Motor Operated Fire Door (08 11 73)		
Note: With fusible link, 3 hour rating. Excludes electrical hook-up of motor.		
08 11 73 00-0002 EA 3' x 6' 8" Sliding Metal Fire Door, Motor Operated Door With 3 Hour Rating.....	3,573.91	447.43
08 11 73 00-0003 EA 3' 8" x 6' 8" Sliding Metal Fire Door, Motor Operated Door With 3 Hour Rating.....	3,794.44	447.43
08 11 73 00-0004 EA 4' x 8' Sliding Metal Fire Door, Motor Operated Door With 3 Hour Rating.....	4,162.29	447.43
08 11 73 00-0005 EA 5' x 8' Sliding Metal Fire Door, Motor Operated Door With 3 Hour Rating.....	4,563.67	447.43
08 12 Metal Frames (08 10)		
Note: All door frames include perimeter caulk, sealant (as required), anchors and silencers.		
08 12 13 Hollow Metal Frames (08 12)		
08 12 13 13 Standard Hollow Metal Frames (08 12 13)		
Note: Shop prime coat. See CSI section 04 05 16 26-0017 for grouting frames.		
08 12 13 13-0001 4-3/4" Deep, 16 Gauge, Knock Down Metal Door Frames (08 12 13 13)		
08 12 13 13-0002 6'-8" Through 7'-2" High, 4-3/4" Deep, 16 Gauge, Knock Down Metal Door Frames (08 12 13 13-0001)		
08 12 13 13-0003 EA 2' x 6'-8" Through 7'-2" High, 4-3/4" Deep, 16 Gauge, Knock Down Metal Door Frame.....	237.70	67.82
For Auxiliary Frame Reinforcement For Hinges, Add	15.31	
For Welded Frames, Add	59.50	
For Galvanized Frames, Add	12.25	
For Type 304 Stainless Steel Frame, Add	190.49	
For Type 316 Stainless Steel Frame, Add	221.11	
For Baked Enamel Finish, Add	50.96	
For 3/4 Hour Rating, Add	36.84	
For 1-1/2 Hour Rating, Add	42.10	
For 3 Hour Rating, Add	52.63	
For 18 Gauge Frame, Deduct	-10.21	
For 14 Gauge Frame, Add	25.52	
For 12 Gauge Frame, Add	38.78	
08 12 13 13-0004 EA 2'-4" x 6'-8" Through 7'-2" High, 4-3/4" Deep, 16 Gauge, Knock Down Metal Door Frame.....	270.71	74.60
For Auxiliary Frame Reinforcement For Hinges, Add	18.23	
For Welded Frames, Add	59.50	
For Galvanized Frames, Add	14.58	
For Type 304 Stainless Steel Frame, Add	226.16	
For Type 316 Stainless Steel Frame, Add	262.61	
For Baked Enamel Finish, Add	58.83	
For 3/4 Hour Rating, Add	36.84	
For 1-1/2 Hour Rating, Add	42.10	
For 3 Hour Rating, Add	52.63	
For 18 Gauge Frame, Deduct	-12.15	
For 14 Gauge Frame, Add	30.38	
For 12 Gauge Frame, Add	46.17	
08 12 13 13-0005 EA 2'-6" x 6'-8" Through 7'-2" High, 4-3/4" Deep, 16 Gauge, Knock Down Metal Door Frame.....	281.69	79.13
For Auxiliary Frame Reinforcement For Hinges, Add	18.52	
For Welded Frames, Add	59.50	
For Galvanized Frames, Add	14.81	
For Type 304 Stainless Steel Frame, Add	230.10	
For Type 316 Stainless Steel Frame, Add	267.14	
For Baked Enamel Finish, Add	60.77	
For 3/4 Hour Rating, Add	36.84	
For 1-1/2 Hour Rating, Add	42.10	
For 3 Hour Rating, Add	52.63	
For 18 Gauge Frame, Deduct	-12.34	
For 14 Gauge Frame, Add	30.86	
For 12 Gauge Frame, Add	46.91	

08	Openings
08 10	Doors And Frames
08 12	Metal Frames



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 13 13-0006	EA		2'-8" x 6'-8" Through 7'-2" High, 4-3/4" Deep, 16 Gauge, Knock Down Metal Door Frame.....	295.25	85.91
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	18.52	
			<i>For Welded Frames, Add</i>	59.50	
			<i>For Galvanized Frames, Add</i>	14.81	
			<i>For Type 304 Stainless Steel Frame, Add</i>	230.78	
			<i>For Type 316 Stainless Steel Frame, Add</i>	267.81	
			<i>For Baked Enamel Finish, Add</i>	62.80	
			<i>For 3/4 Hour Rating, Add</i>	36.84	
			<i>For 1-1/2 Hour Rating, Add</i>	42.10	
			<i>For 3 Hour Rating, Add</i>	52.63	
			<i>For 18 Gauge Frame, Deduct</i>	-12.34	
			<i>For 14 Gauge Frame, Add</i>	30.86	
			<i>For 12 Gauge Frame, Add</i>	46.91	
08 12 13 13-0007	EA		2'-10" x 6'-8" Through 7'-2" High, 4-3/4" Deep, 16 Gauge, Knock Down Metal Door Frame.....	301.73	88.17
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	18.81	
			<i>For Welded Frames, Add</i>	59.50	
			<i>For Galvanized Frames, Add</i>	15.05	
			<i>For Type 304 Stainless Steel Frame, Add</i>	234.52	
			<i>For Type 316 Stainless Steel Frame, Add</i>	272.14	
			<i>For Baked Enamel Finish, Add</i>	64.07	
			<i>For 3/4 Hour Rating, Add</i>	36.84	
			<i>For 1-1/2 Hour Rating, Add</i>	42.10	
			<i>For 3 Hour Rating, Add</i>	52.63	
			<i>For 18 Gauge Frame, Deduct</i>	-12.54	
			<i>For 14 Gauge Frame, Add</i>	31.35	
			<i>For 12 Gauge Frame, Add</i>	47.65	
08 12 13 13-0008	EA		3' x 6'-8" Through 7'-2" High, 4-3/4" Deep, 16 Gauge, Knock Down Metal Door Frame	308.18	90.43
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	19.10	
			<i>For Welded Frames, Add</i>	59.50	
			<i>For Galvanized Frames, Add</i>	15.28	
			<i>For Type 304 Stainless Steel Frame, Add</i>	238.24	
			<i>For Type 316 Stainless Steel Frame, Add</i>	276.44	
			<i>For Baked Enamel Finish, Add</i>	65.33	
			<i>For 3/4 Hour Rating, Add</i>	36.84	
			<i>For 1-1/2 Hour Rating, Add</i>	42.10	
			<i>For 3 Hour Rating, Add</i>	52.63	
			<i>For 18 Gauge Frame, Deduct</i>	-12.73	
			<i>For 14 Gauge Frame, Add</i>	31.83	
			<i>For 12 Gauge Frame, Add</i>	48.39	
08 12 13 13-0009	EA		3'-4" x 6'-8" Through 7'-2" High, 4-3/4" Deep, 16 Gauge, Knock Down Metal Door Frame.....	325.98	94.95
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	20.41	
			<i>For Welded Frames, Add</i>	59.50	
			<i>For Galvanized Frames, Add</i>	16.33	
			<i>For Type 304 Stainless Steel Frame, Add</i>	254.44	
			<i>For Type 316 Stainless Steel Frame, Add</i>	295.26	
			<i>For Baked Enamel Finish, Add</i>	69.31	
			<i>For 3/4 Hour Rating, Add</i>	36.84	
			<i>For 1-1/2 Hour Rating, Add</i>	42.10	
			<i>For 3 Hour Rating, Add</i>	52.63	
			<i>For 18 Gauge Frame, Deduct</i>	-13.61	
			<i>For 14 Gauge Frame, Add</i>	34.02	
			<i>For 12 Gauge Frame, Add</i>	51.71	
08 12 13 13-0010	EA		3'-6" x 6'-8" Through 7'-2" High, 4-3/4" Deep, 16 Gauge, Knock Down Metal Door Frame.....	335.02	99.47
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	20.41	
			<i>For Welded Frames, Add</i>	59.50	
			<i>For Galvanized Frames, Add</i>	16.33	
			<i>For Type 304 Stainless Steel Frame, Add</i>	254.89	
			<i>For Type 316 Stainless Steel Frame, Add</i>	295.72	
			<i>For Baked Enamel Finish, Add</i>	70.67	
			<i>For 3/4 Hour Rating, Add</i>	36.84	
			<i>For 1-1/2 Hour Rating, Add</i>	42.10	
			<i>For 3 Hour Rating, Add</i>	52.63	
			<i>For 18 Gauge Frame, Deduct</i>	-13.61	
			<i>For 14 Gauge Frame, Add</i>	34.02	
			<i>For 12 Gauge Frame, Add</i>	51.71	
08 12 13 13-0011	EA		4' x 6'-8" Through 7'-2" High, 4-3/4" Deep, 16 Gauge, Knock Down Metal Door Frame	348.92	103.99
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	21.14	
			<i>For Welded Frames, Add</i>	59.50	
			<i>For Galvanized Frames, Add</i>	16.91	
			<i>For Type 304 Stainless Steel Frame, Add</i>	264.09	
			<i>For Type 316 Stainless Steel Frame, Add</i>	306.37	
			<i>For Baked Enamel Finish, Add</i>	73.48	
			<i>For 3/4 Hour Rating, Add</i>	36.84	
			<i>For 1-1/2 Hour Rating, Add</i>	42.10	
			<i>For 3 Hour Rating, Add</i>	52.63	
			<i>For 18 Gauge Frame, Deduct</i>	-14.09	
			<i>For 14 Gauge Frame, Add</i>	35.24	
			<i>For 12 Gauge Frame, Add</i>	53.56	



Openings	08
Doors And Frames	08 10
Metal Frames	08 12

08

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 13 13-0012 EA 5' x 6'-8" Through 7'-2" High, 4-3/4" Deep, 16 Gauge, Knock Down Metal Door Frame	362.83	108.51
For Auxiliary Frame Reinforcement For Hinges, Add	21.87	
For Welded Frames, Add	59.50	
For Galvanized Frames, Add	17.50	
For Type 304 Stainless Steel Frame, Add	273.29	
For Type 316 Stainless Steel Frame, Add	317.03	
For Baked Enamel Finish, Add	76.29	
For 3/4 Hour Rating, Add	36.84	
For 1-1/2 Hour Rating, Add	42.10	
For 3 Hour Rating, Add	52.63	
For 18 Gauge Frame, Deduct	-14.58	
For 14 Gauge Frame, Add	36.45	
For 12 Gauge Frame, Add	55.40	
08 12 13 13-0013 EA 5'-4" x 6'-8" Through 7'-2" High, 4-3/4" Deep, 16 Gauge, Knock Down Metal Door Frame	371.87	113.04
For Auxiliary Frame Reinforcement For Hinges, Add	21.87	
For Welded Frames, Add	59.50	
For Galvanized Frames, Add	17.50	
For Type 304 Stainless Steel Frame, Add	273.74	
For Type 316 Stainless Steel Frame, Add	317.48	
For Baked Enamel Finish, Add	77.65	
For 3/4 Hour Rating, Add	36.84	
For 1-1/2 Hour Rating, Add	42.10	
For 3 Hour Rating, Add	52.63	
For 18 Gauge Frame, Deduct	-14.58	
For 14 Gauge Frame, Add	36.45	
For 12 Gauge Frame, Add	55.40	
08 12 13 13-0014 EA 5'-8" x 6'-8" Through 7'-2" High, 4-3/4" Deep, 16 Gauge, Knock Down Metal Door Frame	378.82	115.30
For Auxiliary Frame Reinforcement For Hinges, Add	22.23	
For Welded Frames, Add	59.50	
For Galvanized Frames, Add	17.79	
For Type 304 Stainless Steel Frame, Add	278.34	
For Type 316 Stainless Steel Frame, Add	322.81	
For Baked Enamel Finish, Add	79.06	
For 3/4 Hour Rating, Add	36.84	
For 1-1/2 Hour Rating, Add	42.10	
For 3 Hour Rating, Add	52.63	
For 18 Gauge Frame, Deduct	-14.82	
For 14 Gauge Frame, Add	37.06	
For 12 Gauge Frame, Add	56.33	
08 12 13 13-0015 EA 6' x 6'-8" Through 7'-2" High, 4-3/4" Deep, 16 Gauge, Knock Down Metal Door Frame	385.77	117.55
For Auxiliary Frame Reinforcement For Hinges, Add	22.60	
For Welded Frames, Add	59.50	
For Galvanized Frames, Add	18.08	
For Type 304 Stainless Steel Frame, Add	282.94	
For Type 316 Stainless Steel Frame, Add	328.14	
For Baked Enamel Finish, Add	80.46	
For 3/4 Hour Rating, Add	36.84	
For 1-1/2 Hour Rating, Add	42.10	
For 3 Hour Rating, Add	52.63	
For 18 Gauge Frame, Deduct	-15.07	
For 14 Gauge Frame, Add	37.67	
For 12 Gauge Frame, Add	57.25	
08 12 13 13-0016 EA 7' x 6'-8" Through 7'-2" High, 4-3/4" Deep, 16 Gauge, Knock Down Metal Door Frame	400.01	119.82
For Auxiliary Frame Reinforcement For Hinges, Add	24.06	
For Welded Frames, Add	59.50	
For Galvanized Frames, Add	19.25	
For Type 304 Stainless Steel Frame, Add	300.67	
For Type 316 Stainless Steel Frame, Add	348.78	
For Baked Enamel Finish, Add	84.06	
For 3/4 Hour Rating, Add	36.84	
For 1-1/2 Hour Rating, Add	42.10	
For 3 Hour Rating, Add	52.63	
For 18 Gauge Frame, Deduct	-16.04	
For 14 Gauge Frame, Add	40.10	
For 12 Gauge Frame, Add	60.94	
08 12 13 13-0017 EA 8' x 6'-8" Through 7'-2" High, 4-3/4" Deep, 16 Gauge, Knock Down Metal Door Frame	414.26	122.08
For Auxiliary Frame Reinforcement For Hinges, Add	25.52	
For Welded Frames, Add	59.50	
For Galvanized Frames, Add	20.41	
For Type 304 Stainless Steel Frame, Add	318.39	
For Type 316 Stainless Steel Frame, Add	369.42	
For Baked Enamel Finish, Add	87.65	
For 3/4 Hour Rating, Add	36.84	
For 1-1/2 Hour Rating, Add	42.10	
For 3 Hour Rating, Add	52.63	
For 18 Gauge Frame, Deduct	-17.01	
For 14 Gauge Frame, Add	42.53	
For 12 Gauge Frame, Add	64.64	

08 12 13 13-0018 >7'-2" Through 9'-0" High, 4-3/4" Deep, 16 Gauge, Knock Down Metal Door
Frames (08 12 13 13-0001)

08	Openings
08 10	Doors And Frames
08 12	Metal Frames



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 13 13-0019	EA		2' x >7'-2" Through 9' High, 4-3/4" Deep, 16 Gauge, Knock Down Metal Door Frame	249.04	67.82
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	17.01	
			<i>For Welded Frames, Add</i>	59.50	
			<i>For Galvanized Frames, Add</i>	13.61	
			<i>For Type 304 Stainless Steel Frame, Add</i>	210.90	
			<i>For Type 316 Stainless Steel Frame, Add</i>	244.92	
			<i>For Baked Enamel Finish, Add</i>	54.37	
			<i>For 3/4 Hour Rating, Add</i>	36.84	
			<i>For 1-1/2 Hour Rating, Add</i>	42.10	
			<i>For 3 Hour Rating, Add</i>	52.63	
			<i>For 18 Gauge Frame, Deduct</i>	-11.34	
			<i>For 14 Gauge Frame, Add</i>	28.35	
			<i>For 12 Gauge Frame, Add</i>	43.09	
08 12 13 13-0020	EA		2'-4" x >7'-2" Through 9' High, 4-3/4" Deep, 16 Gauge, Knock Down Metal Door Frame	284.21	74.60
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	20.25	
			<i>For Welded Frames, Add</i>	59.50	
			<i>For Galvanized Frames, Add</i>	16.20	
			<i>For Type 304 Stainless Steel Frame, Add</i>	250.46	
			<i>For Type 316 Stainless Steel Frame, Add</i>	290.96	
			<i>For Baked Enamel Finish, Add</i>	62.88	
			<i>For 3/4 Hour Rating, Add</i>	36.84	
			<i>For 1-1/2 Hour Rating, Add</i>	42.10	
			<i>For 3 Hour Rating, Add</i>	52.63	
			<i>For 18 Gauge Frame, Deduct</i>	-13.50	
			<i>For 14 Gauge Frame, Add</i>	33.75	
			<i>For 12 Gauge Frame, Add</i>	51.30	
08 12 13 13-0021	EA		2'-6" x >7'-2" Through 9' High, 4-3/4" Deep, 16 Gauge, Knock Down Metal Door Frame	295.41	79.13
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	20.57	
			<i>For Welded Frames, Add</i>	59.50	
			<i>For Galvanized Frames, Add</i>	16.46	
			<i>For Type 304 Stainless Steel Frame, Add</i>	254.80	
			<i>For Type 316 Stainless Steel Frame, Add</i>	295.95	
			<i>For Baked Enamel Finish, Add</i>	64.89	
			<i>For 3/4 Hour Rating, Add</i>	36.84	
			<i>For 1-1/2 Hour Rating, Add</i>	42.10	
			<i>For 3 Hour Rating, Add</i>	52.63	
			<i>For 18 Gauge Frame, Deduct</i>	-13.72	
			<i>For 14 Gauge Frame, Add</i>	34.29	
			<i>For 12 Gauge Frame, Add</i>	52.12	
08 12 13 13-0022	EA		2'-8" x >7'-2" Through 9' High, 4-3/4" Deep, 16 Gauge, Knock Down Metal Door Frame	308.97	85.91
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	20.57	
			<i>For Welded Frames, Add</i>	59.50	
			<i>For Galvanized Frames, Add</i>	16.46	
			<i>For Type 304 Stainless Steel Frame, Add</i>	255.48	
			<i>For Type 316 Stainless Steel Frame, Add</i>	296.63	
			<i>For Baked Enamel Finish, Add</i>	66.92	
			<i>For 3/4 Hour Rating, Add</i>	36.84	
			<i>For 1-1/2 Hour Rating, Add</i>	42.10	
			<i>For 3 Hour Rating, Add</i>	52.63	
			<i>For 18 Gauge Frame, Deduct</i>	-13.72	
			<i>For 14 Gauge Frame, Add</i>	34.29	
			<i>For 12 Gauge Frame, Add</i>	52.12	
08 12 13 13-0023	EA		2'-10" x >7'-2" Through 9' High, 4-3/4" Deep, 16 Gauge, Knock Down Metal Door Frame	315.66	88.17
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	20.90	
			<i>For Welded Frames, Add</i>	59.50	
			<i>For Galvanized Frames, Add</i>	16.72	
			<i>For Type 304 Stainless Steel Frame, Add</i>	259.59	
			<i>For Type 316 Stainless Steel Frame, Add</i>	301.39	
			<i>For Baked Enamel Finish, Add</i>	68.25	
			<i>For 3/4 Hour Rating, Add</i>	36.84	
			<i>For 1-1/2 Hour Rating, Add</i>	42.10	
			<i>For 3 Hour Rating, Add</i>	52.63	
			<i>For 18 Gauge Frame, Deduct</i>	-13.93	
			<i>For 14 Gauge Frame, Add</i>	34.83	
			<i>For 12 Gauge Frame, Add</i>	52.94	
08 12 13 13-0024	EA		3' x >7'-2" Through 9' High, 4-3/4" Deep, 16 Gauge, Knock Down Metal Door Frame	322.33	90.43
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	21.22	
			<i>For Welded Frames, Add</i>	59.50	
			<i>For Galvanized Frames, Add</i>	16.98	
			<i>For Type 304 Stainless Steel Frame, Add</i>	263.71	
			<i>For Type 316 Stainless Steel Frame, Add</i>	306.15	
			<i>For Baked Enamel Finish, Add</i>	69.57	
			<i>For 3/4 Hour Rating, Add</i>	36.84	
			<i>For 1-1/2 Hour Rating, Add</i>	42.10	
			<i>For 3 Hour Rating, Add</i>	52.63	
			<i>For 18 Gauge Frame, Deduct</i>	-14.15	
			<i>For 14 Gauge Frame, Add</i>	35.37	
			<i>For 12 Gauge Frame, Add</i>	53.76	



Openings	08
Doors And Frames	08 10
Metal Frames	08 12

08

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 13 13-0025 EA 3'-4" x >7'-2" Through 9' High, 4-3/4" Deep, 16 Gauge, Knock Down Metal Door Frame.....	341.10	94.95
For Auxiliary Frame Reinforcement For Hinges, Add	22.68	
For Welded Frames, Add	59.50	
For Galvanized Frames, Add	18.14	
For Type 304 Stainless Steel Frame, Add	281.66	
For Type 316 Stainless Steel Frame, Add	327.02	
For Baked Enamel Finish, Add	73.85	
For 3/4 Hour Rating, Add	36.84	
For 1-1/2 Hour Rating, Add	42.10	
For 3 Hour Rating, Add	52.63	
For 18 Gauge Frame, Deduct	-15.12	
For 14 Gauge Frame, Add	37.80	
For 12 Gauge Frame, Add	57.46	
08 12 13 13-0026 EA 3'-6" x >7'-2" Through 9' High, 4-3/4" Deep, 16 Gauge, Knock Down Metal Door Frame.....	350.14	99.47
For Auxiliary Frame Reinforcement For Hinges, Add	22.68	
For Welded Frames, Add	59.50	
For Galvanized Frames, Add	18.14	
For Type 304 Stainless Steel Frame, Add	282.11	
For Type 316 Stainless Steel Frame, Add	327.47	
For Baked Enamel Finish, Add	75.20	
For 3/4 Hour Rating, Add	36.84	
For 1-1/2 Hour Rating, Add	42.10	
For 3 Hour Rating, Add	52.63	
For 18 Gauge Frame, Deduct	-15.12	
For 14 Gauge Frame, Add	37.80	
For 12 Gauge Frame, Add	57.46	
08 12 13 13-0027 EA 4' x >7'-2" Through 9' High, 4-3/4" Deep, 16 Gauge, Knock Down Metal Door Frame	364.58	103.99
For Auxiliary Frame Reinforcement For Hinges, Add	23.49	
For Welded Frames, Add	59.50	
For Galvanized Frames, Add	18.79	
For Type 304 Stainless Steel Frame, Add	292.28	
For Type 316 Stainless Steel Frame, Add	339.26	
For Baked Enamel Finish, Add	78.18	
For 3/4 Hour Rating, Add	36.84	
For 1-1/2 Hour Rating, Add	42.10	
For 3 Hour Rating, Add	52.63	
For 18 Gauge Frame, Deduct	-15.66	
For 14 Gauge Frame, Add	39.15	
For 12 Gauge Frame, Add	59.51	
08 12 13 13-0028 EA 5' x >7'-2" Through 9' High, 4-3/4" Deep, 16 Gauge, Knock Down Metal Door Frame	379.03	108.51
For Auxiliary Frame Reinforcement For Hinges, Add	24.30	
For Welded Frames, Add	59.50	
For Galvanized Frames, Add	19.44	
For Type 304 Stainless Steel Frame, Add	302.45	
For Type 316 Stainless Steel Frame, Add	351.05	
For Baked Enamel Finish, Add	81.15	
For 3/4 Hour Rating, Add	36.84	
For 1-1/2 Hour Rating, Add	42.10	
For 3 Hour Rating, Add	52.63	
For 18 Gauge Frame, Deduct	-16.20	
For 14 Gauge Frame, Add	40.50	
For 12 Gauge Frame, Add	61.56	
08 12 13 13-0029 EA 5'-4" x >7'-2" Through 9' High, 4-3/4" Deep, 16 Gauge, Knock Down Metal Door Frame.....	388.07	113.04
For Auxiliary Frame Reinforcement For Hinges, Add	24.30	
For Welded Frames, Add	59.50	
For Galvanized Frames, Add	19.44	
For Type 304 Stainless Steel Frame, Add	302.90	
For Type 316 Stainless Steel Frame, Add	351.50	
For Baked Enamel Finish, Add	82.51	
For 3/4 Hour Rating, Add	36.84	
For 1-1/2 Hour Rating, Add	42.10	
For 3 Hour Rating, Add	52.63	
For 18 Gauge Frame, Deduct	-16.20	
For 14 Gauge Frame, Add	40.50	
For 12 Gauge Frame, Add	61.56	
08 12 13 13-0030 EA 5'-8" x >7'-2" Through 9' High, 4-3/4" Deep, 16 Gauge, Knock Down Metal Door Frame.....	395.29	115.30
For Auxiliary Frame Reinforcement For Hinges, Add	24.71	
For Welded Frames, Add	59.50	
For Galvanized Frames, Add	19.76	
For Type 304 Stainless Steel Frame, Add	307.99	
For Type 316 Stainless Steel Frame, Add	357.40	
For Baked Enamel Finish, Add	84.00	
For 3/4 Hour Rating, Add	36.84	
For 1-1/2 Hour Rating, Add	42.10	
For 3 Hour Rating, Add	52.63	
For 18 Gauge Frame, Deduct	-16.47	
For 14 Gauge Frame, Add	41.18	
For 12 Gauge Frame, Add	62.59	

08	Openings
08 10	Doors And Frames
08 12	Metal Frames



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 13 13-0031	EA		6' x >7'-2" Through 9' High, 4-3/4" Deep, 16 Gauge, Knock Down Metal Door Frame	402.51	117.55
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	25.11	
			<i>For Welded Frames, Add</i>	59.50	
			<i>For Galvanized Frames, Add</i>	20.09	
			<i>For Type 304 Stainless Steel Frame, Add</i>	313.08	
			<i>For Type 316 Stainless Steel Frame, Add</i>	363.30	
			<i>For Baked Enamel Finish, Add</i>	85.49	
			<i>For 3/4 Hour Rating, Add</i>	36.84	
			<i>For 1-1/2 Hour Rating, Add</i>	42.10	
			<i>For 3 Hour Rating, Add</i>	52.63	
			<i>For 18 Gauge Frame, Deduct</i>	-16.74	
			<i>For 14 Gauge Frame, Add</i>	41.85	
			<i>For 12 Gauge Frame, Add</i>	63.61	
08 12 13 13-0032	EA		7' x >7'-2" Through 9' High, 4-3/4" Deep, 16 Gauge, Knock Down Metal Door Frame	417.83	119.82
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	26.73	
			<i>For Welded Frames, Add</i>	59.50	
			<i>For Galvanized Frames, Add</i>	21.38	
			<i>For Type 304 Stainless Steel Frame, Add</i>	332.74	
			<i>For Type 316 Stainless Steel Frame, Add</i>	386.20	
			<i>For Baked Enamel Finish, Add</i>	89.40	
			<i>For 3/4 Hour Rating, Add</i>	36.84	
			<i>For 1-1/2 Hour Rating, Add</i>	42.10	
			<i>For 3 Hour Rating, Add</i>	52.63	
			<i>For 18 Gauge Frame, Deduct</i>	-17.82	
			<i>For 14 Gauge Frame, Add</i>	44.55	
			<i>For 12 Gauge Frame, Add</i>	67.72	
08 12 13 13-0033	EA		8' x >7'-2" Through 9' High, 4-3/4" Deep, 16 Gauge, Knock Down Metal Door Frame	433.16	122.08
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	28.35	
			<i>For Welded Frames, Add</i>	59.50	
			<i>For Galvanized Frames, Add</i>	22.68	
			<i>For Type 304 Stainless Steel Frame, Add</i>	352.41	
			<i>For Type 316 Stainless Steel Frame, Add</i>	409.11	
			<i>For Baked Enamel Finish, Add</i>	93.32	
			<i>For 3/4 Hour Rating, Add</i>	36.84	
			<i>For 1-1/2 Hour Rating, Add</i>	42.10	
			<i>For 3 Hour Rating, Add</i>	52.63	
			<i>For 18 Gauge Frame, Deduct</i>	-18.90	
			<i>For 14 Gauge Frame, Add</i>	47.25	
			<i>For 12 Gauge Frame, Add</i>	71.82	
08 12 13 13-0034			5-3/4" Deep, 16 Gauge, Knock Down Metal Door Frames <small>(08 12 13 13)</small>		
08 12 13 13-0035			6'-8" Through 7'-2" High, 5-3/4" Deep, 16 Gauge, Knock Down Metal Door Frames <small>(08 12 13 13-0034)</small>		
08 12 13 13-0036	EA		2' x 6'-8" Through 7'-2" High, 5-3/4" Deep, 16 Gauge, Knock Down Metal Door Frame	249.04	67.82
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	17.01	
			<i>For Welded Frames, Add</i>	59.50	
			<i>For Galvanized Frames, Add</i>	13.61	
			<i>For Type 304 Stainless Steel Frame, Add</i>	210.90	
			<i>For Type 316 Stainless Steel Frame, Add</i>	244.92	
			<i>For Baked Enamel Finish, Add</i>	54.37	
			<i>For 3/4 Hour Rating, Add</i>	36.84	
			<i>For 1-1/2 Hour Rating, Add</i>	42.10	
			<i>For 3 Hour Rating, Add</i>	52.63	
			<i>For 18 Gauge Frame, Deduct</i>	-11.34	
			<i>For 14 Gauge Frame, Add</i>	28.35	
			<i>For 12 Gauge Frame, Add</i>	43.09	
08 12 13 13-0037	EA		2'-4" x 6'-8" Through 7'-2" High, 5-3/4" Deep, 16 Gauge, Knock Down Metal Door Frame.....	284.21	74.60
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	20.25	
			<i>For Welded Frames, Add</i>	59.50	
			<i>For Galvanized Frames, Add</i>	16.20	
			<i>For Type 304 Stainless Steel Frame, Add</i>	250.46	
			<i>For Type 316 Stainless Steel Frame, Add</i>	290.96	
			<i>For Baked Enamel Finish, Add</i>	62.88	
			<i>For 3/4 Hour Rating, Add</i>	36.84	
			<i>For 1-1/2 Hour Rating, Add</i>	42.10	
			<i>For 3 Hour Rating, Add</i>	52.63	
			<i>For 18 Gauge Frame, Deduct</i>	-13.50	
			<i>For 14 Gauge Frame, Add</i>	33.75	
			<i>For 12 Gauge Frame, Add</i>	51.30	
08 12 13 13-0038	EA		2'-6" x 6'-8" Through 7'-2" High, 5-3/4" Deep, 16 Gauge, Knock Down Metal Door Frame.....	295.41	79.13
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	20.57	
			<i>For Welded Frames, Add</i>	59.50	
			<i>For Galvanized Frames, Add</i>	16.46	
			<i>For Type 304 Stainless Steel Frame, Add</i>	254.80	
			<i>For Type 316 Stainless Steel Frame, Add</i>	295.95	
			<i>For Baked Enamel Finish, Add</i>	64.89	
			<i>For 3/4 Hour Rating, Add</i>	36.84	
			<i>For 1-1/2 Hour Rating, Add</i>	42.10	
			<i>For 3 Hour Rating, Add</i>	52.63	
			<i>For 18 Gauge Frame, Deduct</i>	-13.72	
			<i>For 14 Gauge Frame, Add</i>	34.29	
			<i>For 12 Gauge Frame, Add</i>	52.12	



Openings	08	08
Doors And Frames	08 10	
Metal Frames	08 12	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 13 13-0039 EA 2'-8" x 6'-8" Through 7'-2" High, 5-3/4" Deep, 16 Gauge, Knock Down Metal Door Frame	308.97	85.91
For Auxiliary Frame Reinforcement For Hinges, Add	20.57	
For Welded Frames, Add	59.50	
For Galvanized Frames, Add	16.46	
For Type 304 Stainless Steel Frame, Add	255.48	
For Type 316 Stainless Steel Frame, Add	296.63	
For Baked Enamel Finish, Add	66.92	
For 3/4 Hour Rating, Add	36.84	
For 1-1/2 Hour Rating, Add	42.10	
For 3 Hour Rating, Add	52.63	
For 18 Gauge Frame, Deduct	-13.72	
For 14 Gauge Frame, Add	34.29	
For 12 Gauge Frame, Add	52.12	
08 12 13 13-0040 EA 2'-10" x 6'-8" Through 7'-2" High, 5-3/4" Deep, 16 Gauge, Knock Down Metal Door Frame	315.66	88.17
For Auxiliary Frame Reinforcement For Hinges, Add	20.90	
For Welded Frames, Add	59.50	
For Galvanized Frames, Add	16.72	
For Type 304 Stainless Steel Frame, Add	259.59	
For Type 316 Stainless Steel Frame, Add	301.39	
For Baked Enamel Finish, Add	68.25	
For 3/4 Hour Rating, Add	36.84	
For 1-1/2 Hour Rating, Add	42.10	
For 3 Hour Rating, Add	52.63	
For 18 Gauge Frame, Deduct	-13.93	
For 14 Gauge Frame, Add	34.83	
For 12 Gauge Frame, Add	52.94	
08 12 13 13-0041 EA 3' x 6'-8" Through 7'-2" High, 5-3/4" Deep, 16 Gauge, Knock Down Metal Door Frame	322.33	90.43
For Auxiliary Frame Reinforcement For Hinges, Add	21.22	
For Welded Frames, Add	59.50	
For Galvanized Frames, Add	16.98	
For Type 304 Stainless Steel Frame, Add	263.71	
For Type 316 Stainless Steel Frame, Add	306.15	
For Baked Enamel Finish, Add	69.57	
For 3/4 Hour Rating, Add	36.84	
For 1-1/2 Hour Rating, Add	42.10	
For 3 Hour Rating, Add	52.63	
For 18 Gauge Frame, Deduct	-14.15	
For 14 Gauge Frame, Add	35.37	
For 12 Gauge Frame, Add	53.76	
08 12 13 13-0042 EA 3'-4" x 6'-8" Through 7'-2" High, 5-3/4" Deep, 16 Gauge, Knock Down Metal Door Frame	341.10	94.95
For Auxiliary Frame Reinforcement For Hinges, Add	22.68	
For Welded Frames, Add	59.50	
For Galvanized Frames, Add	18.14	
For Type 304 Stainless Steel Frame, Add	281.66	
For Type 316 Stainless Steel Frame, Add	327.02	
For Baked Enamel Finish, Add	73.85	
For 3/4 Hour Rating, Add	36.84	
For 1-1/2 Hour Rating, Add	42.10	
For 3 Hour Rating, Add	52.63	
For 18 Gauge Frame, Deduct	-15.12	
For 14 Gauge Frame, Add	37.80	
For 12 Gauge Frame, Add	57.46	
08 12 13 13-0043 EA 3'-6" x 6'-8" Through 7'-2" High, 5-3/4" Deep, 16 Gauge, Knock Down Metal Door Frame	350.14	99.47
For Auxiliary Frame Reinforcement For Hinges, Add	22.68	
For Welded Frames, Add	59.50	
For Galvanized Frames, Add	18.14	
For Type 304 Stainless Steel Frame, Add	282.11	
For Type 316 Stainless Steel Frame, Add	327.47	
For Baked Enamel Finish, Add	75.20	
For 3/4 Hour Rating, Add	36.84	
For 1-1/2 Hour Rating, Add	42.10	
For 3 Hour Rating, Add	52.63	
For 18 Gauge Frame, Deduct	-15.12	
For 14 Gauge Frame, Add	37.80	
For 12 Gauge Frame, Add	57.46	
08 12 13 13-0044 EA 4' x 6'-8" Through 7'-2" High, 5-3/4" Deep, 16 Gauge, Knock Down Metal Door Frame	364.58	103.99
For Auxiliary Frame Reinforcement For Hinges, Add	23.49	
For Welded Frames, Add	59.50	
For Galvanized Frames, Add	18.79	
For Type 304 Stainless Steel Frame, Add	292.28	
For Type 316 Stainless Steel Frame, Add	339.26	
For Baked Enamel Finish, Add	78.18	
For 3/4 Hour Rating, Add	36.84	
For 1-1/2 Hour Rating, Add	42.10	
For 3 Hour Rating, Add	52.63	
For 18 Gauge Frame, Deduct	-15.66	
For 14 Gauge Frame, Add	39.15	
For 12 Gauge Frame, Add	59.51	

08	Openings
08 10	Doors And Frames
08 12	Metal Frames



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 13 13-0045	EA		5' x 6'-8" Through 7'-2" High, 5-3/4" Deep, 16 Gauge, Knock Down Metal Door Frame	379.03	108.51
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	24.30	
			<i>For Welded Frames, Add</i>	59.50	
			<i>For Galvanized Frames, Add</i>	19.44	
			<i>For Type 304 Stainless Steel Frame, Add</i>	302.45	
			<i>For Type 316 Stainless Steel Frame, Add</i>	351.05	
			<i>For Baked Enamel Finish, Add</i>	81.15	
			<i>For 3/4 Hour Rating, Add</i>	36.84	
			<i>For 1-1/2 Hour Rating, Add</i>	42.10	
			<i>For 3 Hour Rating, Add</i>	52.63	
			<i>For 18 Gauge Frame, Deduct</i>	-16.20	
			<i>For 14 Gauge Frame, Add</i>	40.50	
			<i>For 12 Gauge Frame, Add</i>	61.56	
08 12 13 13-0046	EA		5'-4" x 6'-8" Through 7'-2" High, 5-3/4" Deep, 16 Gauge, Knock Down Metal Door Frame.....	388.07	113.04
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	24.30	
			<i>For Welded Frames, Add</i>	59.50	
			<i>For Galvanized Frames, Add</i>	19.44	
			<i>For Type 304 Stainless Steel Frame, Add</i>	302.90	
			<i>For Type 316 Stainless Steel Frame, Add</i>	351.50	
			<i>For Baked Enamel Finish, Add</i>	82.51	
			<i>For 3/4 Hour Rating, Add</i>	36.84	
			<i>For 1-1/2 Hour Rating, Add</i>	42.10	
			<i>For 3 Hour Rating, Add</i>	52.63	
			<i>For 18 Gauge Frame, Deduct</i>	-16.20	
			<i>For 14 Gauge Frame, Add</i>	40.50	
			<i>For 12 Gauge Frame, Add</i>	61.56	
08 12 13 13-0047	EA		5'-8" x 6'-8" Through 7'-2" High, 5-3/4" Deep, 16 Gauge, Knock Down Metal Door Frame.....	395.29	115.30
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	24.71	
			<i>For Welded Frames, Add</i>	59.50	
			<i>For Galvanized Frames, Add</i>	19.76	
			<i>For Type 304 Stainless Steel Frame, Add</i>	307.99	
			<i>For Type 316 Stainless Steel Frame, Add</i>	357.40	
			<i>For Baked Enamel Finish, Add</i>	84.00	
			<i>For 3/4 Hour Rating, Add</i>	36.84	
			<i>For 1-1/2 Hour Rating, Add</i>	42.10	
			<i>For 3 Hour Rating, Add</i>	52.63	
			<i>For 18 Gauge Frame, Deduct</i>	-16.47	
			<i>For 14 Gauge Frame, Add</i>	41.18	
			<i>For 12 Gauge Frame, Add</i>	62.59	
08 12 13 13-0048	EA		6' x 6'-8" Through 7'-2" High, 5-3/4" Deep, 16 Gauge, Knock Down Metal Door Frame	402.51	117.55
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	25.11	
			<i>For Welded Frames, Add</i>	59.50	
			<i>For Galvanized Frames, Add</i>	20.09	
			<i>For Type 304 Stainless Steel Frame, Add</i>	313.08	
			<i>For Type 316 Stainless Steel Frame, Add</i>	363.30	
			<i>For Baked Enamel Finish, Add</i>	85.49	
			<i>For 3/4 Hour Rating, Add</i>	36.84	
			<i>For 1-1/2 Hour Rating, Add</i>	42.10	
			<i>For 3 Hour Rating, Add</i>	52.63	
			<i>For 18 Gauge Frame, Deduct</i>	-16.74	
			<i>For 14 Gauge Frame, Add</i>	41.85	
			<i>For 12 Gauge Frame, Add</i>	63.61	
08 12 13 13-0049	EA		7' x 6'-8" Through 7'-2" High, 5-3/4" Deep, 16 Gauge, Knock Down Metal Door Frame	417.83	119.82
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	26.73	
			<i>For Welded Frames, Add</i>	59.50	
			<i>For Galvanized Frames, Add</i>	21.38	
			<i>For Type 304 Stainless Steel Frame, Add</i>	332.74	
			<i>For Type 316 Stainless Steel Frame, Add</i>	386.20	
			<i>For Baked Enamel Finish, Add</i>	89.40	
			<i>For 3/4 Hour Rating, Add</i>	36.84	
			<i>For 1-1/2 Hour Rating, Add</i>	42.10	
			<i>For 3 Hour Rating, Add</i>	52.63	
			<i>For 18 Gauge Frame, Deduct</i>	-17.82	
			<i>For 14 Gauge Frame, Add</i>	44.55	
			<i>For 12 Gauge Frame, Add</i>	67.72	
08 12 13 13-0050	EA		8' x 6'-8" Through 7'-2" High, 5-3/4" Deep, 16 Gauge, Knock Down Metal Door Frame	433.16	122.08
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	28.35	
			<i>For Welded Frames, Add</i>	59.50	
			<i>For Galvanized Frames, Add</i>	22.68	
			<i>For Type 304 Stainless Steel Frame, Add</i>	352.41	
			<i>For Type 316 Stainless Steel Frame, Add</i>	409.11	
			<i>For Baked Enamel Finish, Add</i>	93.32	
			<i>For 3/4 Hour Rating, Add</i>	36.84	
			<i>For 1-1/2 Hour Rating, Add</i>	42.10	
			<i>For 3 Hour Rating, Add</i>	52.63	
			<i>For 18 Gauge Frame, Deduct</i>	-18.90	
			<i>For 14 Gauge Frame, Add</i>	47.25	
			<i>For 12 Gauge Frame, Add</i>	71.82	
08 12 13 13-0051			>7'-2" Through 9'-0" High, 5-3/4" Deep, 16 Gauge, Knock Down Metal Door Frames <small>(08 12 13 13-0034)</small>		



Openings	08	08
Doors And Frames	08 10	
Metal Frames	08 12	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 13 13-0052 EA 2' x >7'-2" Through 9' High, 5-3/4" Deep, Knock Down Metal Door Frame	261.64	67.82
For Auxiliary Frame Reinforcement For Hinges, Add	18.90	
For Welded Frames, Add	59.50	
For Galvanized Frames, Add	15.12	
For Type 304 Stainless Steel Frame, Add	233.58	
For Type 316 Stainless Steel Frame, Add	271.38	
For Baked Enamel Finish, Add	58.15	
For 3/4 Hour Rating, Add	36.84	
For 1-1/2 Hour Rating, Add	42.10	
For 3 Hour Rating, Add	52.63	
For 18 Gauge Frame, Deduct	-12.60	
For 14 Gauge Frame, Add	31.50	
For 12 Gauge Frame, Add	47.88	
08 12 13 13-0053 EA 2'-4" x >7'-2" Through 9' High, 5-3/4" Deep, Knock Down Metal Door Frame	299.21	74.60
For Auxiliary Frame Reinforcement For Hinges, Add	22.50	
For Welded Frames, Add	59.50	
For Galvanized Frames, Add	18.00	
For Type 304 Stainless Steel Frame, Add	277.46	
For Type 316 Stainless Steel Frame, Add	322.46	
For Baked Enamel Finish, Add	67.38	
For 3/4 Hour Rating, Add	36.84	
For 1-1/2 Hour Rating, Add	42.10	
For 3 Hour Rating, Add	52.63	
For 18 Gauge Frame, Deduct	-15.00	
For 14 Gauge Frame, Add	37.50	
For 12 Gauge Frame, Add	57.00	
08 12 13 13-0054 EA 2'-6" x >7'-2" Through 9' High, 5-3/4" Deep, Knock Down Metal Door Frame	310.65	79.13
For Auxiliary Frame Reinforcement For Hinges, Add	22.86	
For Welded Frames, Add	59.50	
For Galvanized Frames, Add	18.29	
For Type 304 Stainless Steel Frame, Add	282.23	
For Type 316 Stainless Steel Frame, Add	327.95	
For Baked Enamel Finish, Add	69.46	
For 3/4 Hour Rating, Add	36.84	
For 1-1/2 Hour Rating, Add	42.10	
For 3 Hour Rating, Add	52.63	
For 18 Gauge Frame, Deduct	-15.24	
For 14 Gauge Frame, Add	38.10	
For 12 Gauge Frame, Add	57.91	
08 12 13 13-0055 EA 2'-8" x >7'-2" Through 9' High, 5-3/4" Deep, Knock Down Metal Door Frame	324.21	85.91
For Auxiliary Frame Reinforcement For Hinges, Add	22.86	
For Welded Frames, Add	59.50	
For Galvanized Frames, Add	18.29	
For Type 304 Stainless Steel Frame, Add	282.91	
For Type 316 Stainless Steel Frame, Add	328.63	
For Baked Enamel Finish, Add	71.49	
For 3/4 Hour Rating, Add	36.84	
For 1-1/2 Hour Rating, Add	42.10	
For 3 Hour Rating, Add	52.63	
For 18 Gauge Frame, Deduct	-15.24	
For 14 Gauge Frame, Add	38.10	
For 12 Gauge Frame, Add	57.91	
08 12 13 13-0056 EA 2'-10" x >7'-2" Through 9' High, 5-3/4" Deep, Knock Down Metal Door Frame	331.14	88.17
For Auxiliary Frame Reinforcement For Hinges, Add	23.22	
For Welded Frames, Add	59.50	
For Galvanized Frames, Add	18.58	
For Type 304 Stainless Steel Frame, Add	287.46	
For Type 316 Stainless Steel Frame, Add	333.90	
For Baked Enamel Finish, Add	72.89	
For 3/4 Hour Rating, Add	36.84	
For 1-1/2 Hour Rating, Add	42.10	
For 3 Hour Rating, Add	52.63	
For 18 Gauge Frame, Deduct	-15.48	
For 14 Gauge Frame, Add	38.70	
For 12 Gauge Frame, Add	58.82	
08 12 13 13-0057 EA 3' x >7'-2" Through 9' High, 5-3/4" Deep, Knock Down Metal Door Frame	338.05	90.43
For Auxiliary Frame Reinforcement For Hinges, Add	23.58	
For Welded Frames, Add	59.50	
For Galvanized Frames, Add	18.86	
For Type 304 Stainless Steel Frame, Add	292.00	
For Type 316 Stainless Steel Frame, Add	339.16	
For Baked Enamel Finish, Add	74.29	
For 3/4 Hour Rating, Add	36.84	
For 1-1/2 Hour Rating, Add	42.10	
For 3 Hour Rating, Add	52.63	
For 18 Gauge Frame, Deduct	-15.72	
For 14 Gauge Frame, Add	39.30	
For 12 Gauge Frame, Add	59.74	

08	Openings
08 10	Doors And Frames
08 12	Metal Frames



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 13 13-0058	EA		3'-4" x >7'-2" Through 9' High, 5-3/4" Deep, 16 Gauge, Knock Down Metal Door Frame	357.90	94.95
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	25.20	
			<i>For Welded Frames, Add</i>	59.50	
			<i>For Galvanized Frames, Add</i>	20.16	
			<i>For Type 304 Stainless Steel Frame, Add</i>	311.90	
			<i>For Type 316 Stainless Steel Frame, Add</i>	362.30	
			<i>For Baked Enamel Finish, Add</i>	78.89	
			<i>For 3/4 Hour Rating, Add</i>	36.84	
			<i>For 1-1/2 Hour Rating, Add</i>	42.10	
			<i>For 3 Hour Rating, Add</i>	52.63	
			<i>For 18 Gauge Frame, Deduct</i>	-16.80	
			<i>For 14 Gauge Frame, Add</i>	42.00	
			<i>For 12 Gauge Frame, Add</i>	63.84	
08 12 13 13-0059	EA		3'-6" x >7'-2" Through 9' High, 5-3/4" Deep, 16 Gauge, Knock Down Metal Door Frame	366.94	99.47
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	25.20	
			<i>For Welded Frames, Add</i>	59.50	
			<i>For Galvanized Frames, Add</i>	20.16	
			<i>For Type 304 Stainless Steel Frame, Add</i>	312.35	
			<i>For Type 316 Stainless Steel Frame, Add</i>	362.75	
			<i>For Baked Enamel Finish, Add</i>	80.24	
			<i>For 3/4 Hour Rating, Add</i>	36.84	
			<i>For 1-1/2 Hour Rating, Add</i>	42.10	
			<i>For 3 Hour Rating, Add</i>	52.63	
			<i>For 18 Gauge Frame, Deduct</i>	-16.80	
			<i>For 14 Gauge Frame, Add</i>	42.00	
			<i>For 12 Gauge Frame, Add</i>	63.84	
08 12 13 13-0060	EA		4' x >7'-2" Through 9' High, 5-3/4" Deep, 16 Gauge, Knock Down Metal Door Frame	381.98	103.99
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	26.10	
			<i>For Welded Frames, Add</i>	59.50	
			<i>For Galvanized Frames, Add</i>	20.88	
			<i>For Type 304 Stainless Steel Frame, Add</i>	323.60	
			<i>For Type 316 Stainless Steel Frame, Add</i>	375.80	
			<i>For Baked Enamel Finish, Add</i>	83.40	
			<i>For 3/4 Hour Rating, Add</i>	36.84	
			<i>For 1-1/2 Hour Rating, Add</i>	42.10	
			<i>For 3 Hour Rating, Add</i>	52.63	
			<i>For 18 Gauge Frame, Deduct</i>	-17.40	
			<i>For 14 Gauge Frame, Add</i>	43.50	
			<i>For 12 Gauge Frame, Add</i>	66.12	
08 12 13 13-0061	EA		5' x >7'-2" Through 9' High, 5-3/4" Deep, 16 Gauge, Knock Down Metal Door Frame	397.03	108.51
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	27.00	
			<i>For Welded Frames, Add</i>	59.50	
			<i>For Galvanized Frames, Add</i>	21.60	
			<i>For Type 304 Stainless Steel Frame, Add</i>	334.85	
			<i>For Type 316 Stainless Steel Frame, Add</i>	388.85	
			<i>For Baked Enamel Finish, Add</i>	86.55	
			<i>For 3/4 Hour Rating, Add</i>	36.84	
			<i>For 1-1/2 Hour Rating, Add</i>	42.10	
			<i>For 3 Hour Rating, Add</i>	52.63	
			<i>For 18 Gauge Frame, Deduct</i>	-18.00	
			<i>For 14 Gauge Frame, Add</i>	45.00	
			<i>For 12 Gauge Frame, Add</i>	68.40	
08 12 13 13-0062	EA		5'-4" x >7'-2" Through 9' High, 5-3/4" Deep, 16 Gauge, Knock Down Metal Door Frame	406.07	113.04
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	27.00	
			<i>For Welded Frames, Add</i>	59.50	
			<i>For Galvanized Frames, Add</i>	21.60	
			<i>For Type 304 Stainless Steel Frame, Add</i>	335.30	
			<i>For Type 316 Stainless Steel Frame, Add</i>	389.30	
			<i>For Baked Enamel Finish, Add</i>	87.91	
			<i>For 3/4 Hour Rating, Add</i>	36.84	
			<i>For 1-1/2 Hour Rating, Add</i>	42.10	
			<i>For 3 Hour Rating, Add</i>	52.63	
			<i>For 18 Gauge Frame, Deduct</i>	-18.00	
			<i>For 14 Gauge Frame, Add</i>	45.00	
			<i>For 12 Gauge Frame, Add</i>	68.40	
08 12 13 13-0063	EA		5'-8" x >7'-2" Through 9' High, 5-3/4" Deep, 16 Gauge, Knock Down Metal Door Frame	413.59	115.30
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	27.45	
			<i>For Welded Frames, Add</i>	59.50	
			<i>For Galvanized Frames, Add</i>	21.96	
			<i>For Type 304 Stainless Steel Frame, Add</i>	340.93	
			<i>For Type 316 Stainless Steel Frame, Add</i>	395.83	
			<i>For Baked Enamel Finish, Add</i>	89.49	
			<i>For 3/4 Hour Rating, Add</i>	36.84	
			<i>For 1-1/2 Hour Rating, Add</i>	42.10	
			<i>For 3 Hour Rating, Add</i>	52.63	
			<i>For 18 Gauge Frame, Deduct</i>	-18.30	
			<i>For 14 Gauge Frame, Add</i>	45.75	
			<i>For 12 Gauge Frame, Add</i>	69.54	



Openings	08	08
Doors And Frames	08 10	
Metal Frames	08 12	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 13 13-0064 EA 6' x >7'-2" Through 9' High, 5-3/4" Deep, 16 Gauge, Knock Down Metal Door Frame	421.11	117.55
For Auxiliary Frame Reinforcement For Hinges, Add	27.90	
For Welded Frames, Add	59.50	
For Galvanized Frames, Add	22.32	
For Type 304 Stainless Steel Frame, Add	346.56	
For Type 316 Stainless Steel Frame, Add	402.36	
For Baked Enamel Finish, Add	91.07	
For 3/4 Hour Rating, Add	36.84	
For 1-1/2 Hour Rating, Add	42.10	
For 3 Hour Rating, Add	52.63	
For 18 Gauge Frame, Deduct	-18.60	
For 14 Gauge Frame, Add	46.50	
For 12 Gauge Frame, Add	70.68	
08 12 13 13-0065 EA 7' x >7'-2" Through 9' High, 5-3/4" Deep, 16 Gauge, Knock Down Metal Door Frame	437.63	119.82
For Auxiliary Frame Reinforcement For Hinges, Add	29.70	
For Welded Frames, Add	59.50	
For Galvanized Frames, Add	23.76	
For Type 304 Stainless Steel Frame, Add	368.38	
For Type 316 Stainless Steel Frame, Add	427.78	
For Baked Enamel Finish, Add	95.34	
For 3/4 Hour Rating, Add	36.84	
For 1-1/2 Hour Rating, Add	42.10	
For 3 Hour Rating, Add	52.63	
For 18 Gauge Frame, Deduct	-19.80	
For 14 Gauge Frame, Add	49.50	
For 12 Gauge Frame, Add	75.24	
08 12 13 13-0066 EA 8' x >7'-2" Through 9' High, 5-3/4" Deep, 16 Gauge, Knock Down Metal Door Frame	454.16	122.08
For Auxiliary Frame Reinforcement For Hinges, Add	31.50	
For Welded Frames, Add	59.50	
For Galvanized Frames, Add	25.20	
For Type 304 Stainless Steel Frame, Add	390.21	
For Type 316 Stainless Steel Frame, Add	453.21	
For Baked Enamel Finish, Add	99.62	
For 3/4 Hour Rating, Add	36.84	
For 1-1/2 Hour Rating, Add	42.10	
For 3 Hour Rating, Add	52.63	
For 18 Gauge Frame, Deduct	-21.00	
For 14 Gauge Frame, Add	52.50	
For 12 Gauge Frame, Add	79.80	
08 12 13 13-0067 6-3/4" Deep, 16 Gauge, Knock Down Metal Door Frames (08 12 13 13)		
08 12 13 13-0068 6'-8" Through 7'-2" High, 6-3/4" Deep, 16 Gauge, Knock Down Metal Door Frames (08 12 13 13-0067)		
08 12 13 13-0069 EA 2' x 6'-8" Through 7'-2" High, 6-3/4" Deep, 16 Gauge, Knock Down Metal Door Frame	315.16	67.82
For Auxiliary Frame Reinforcement For Hinges, Add	26.93	
For Welded Frames, Add	59.50	
For Galvanized Frames, Add	21.54	
For Type 304 Stainless Steel Frame, Add	329.92	
For Type 316 Stainless Steel Frame, Add	383.77	
For Baked Enamel Finish, Add	74.20	
For 3/4 Hour Rating, Add	36.84	
For 1-1/2 Hour Rating, Add	42.10	
For 3 Hour Rating, Add	52.63	
For 18 Gauge Frame, Deduct	-17.95	
For 14 Gauge Frame, Add	44.88	
For 12 Gauge Frame, Add	68.22	
08 12 13 13-0070 EA 2'-4" x 6'-8" Through 7'-2" High, 6-3/4" Deep, 16 Gauge, Knock Down Metal Door Frame	362.93	74.60
For Auxiliary Frame Reinforcement For Hinges, Add	32.06	
For Welded Frames, Add	59.50	
For Galvanized Frames, Add	25.65	
For Type 304 Stainless Steel Frame, Add	392.16	
For Type 316 Stainless Steel Frame, Add	456.27	
For Baked Enamel Finish, Add	86.50	
For 3/4 Hour Rating, Add	36.84	
For 1-1/2 Hour Rating, Add	42.10	
For 3 Hour Rating, Add	52.63	
For 18 Gauge Frame, Deduct	-21.37	
For 14 Gauge Frame, Add	53.43	
For 12 Gauge Frame, Add	81.21	
08 12 13 13-0071 EA 2'-6" x 6'-8" Through 7'-2" High, 6-3/4" Deep, 16 Gauge, Knock Down Metal Door Frame	375.39	79.13
For Auxiliary Frame Reinforcement For Hinges, Add	32.57	
For Welded Frames, Add	59.50	
For Galvanized Frames, Add	26.06	
For Type 304 Stainless Steel Frame, Add	398.76	
For Type 316 Stainless Steel Frame, Add	463.91	
For Baked Enamel Finish, Add	88.88	
For 3/4 Hour Rating, Add	36.84	
For 1-1/2 Hour Rating, Add	42.10	
For 3 Hour Rating, Add	52.63	
For 18 Gauge Frame, Deduct	-21.71	
For 14 Gauge Frame, Add	54.29	
For 12 Gauge Frame, Add	82.51	

08	Openings
08 10	Doors And Frames
08 12	Metal Frames



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 13 13-0072	EA		2'-8" x 6'-8" Through 7'-2" High, 6-3/4" Deep, 16 Gauge, Knock Down Metal Door Frame.....	388.95	85.91
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	32.57	
			<i>For Welded Frames, Add</i>	59.50	
			<i>For Galvanized Frames, Add</i>	26.06	
			<i>For Type 304 Stainless Steel Frame, Add</i>	399.44	
			<i>For Type 316 Stainless Steel Frame, Add</i>	464.58	
			<i>For Baked Enamel Finish, Add</i>	90.91	
			<i>For 3/4 Hour Rating, Add</i>	36.84	
			<i>For 1-1/2 Hour Rating, Add</i>	42.10	
			<i>For 3 Hour Rating, Add</i>	52.63	
			<i>For 18 Gauge Frame, Deduct</i>	-21.71	
			<i>For 14 Gauge Frame, Add</i>	54.29	
			<i>For 12 Gauge Frame, Add</i>	82.51	
08 12 13 13-0073	EA		2'-10" x 6'-8" Through 7'-2" High, 6-3/4" Deep, 16 Gauge, Knock Down Metal Door Frame.....	396.90	88.17
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	33.08	
			<i>For Welded Frames, Add</i>	59.50	
			<i>For Galvanized Frames, Add</i>	26.47	
			<i>For Type 304 Stainless Steel Frame, Add</i>	405.83	
			<i>For Type 316 Stainless Steel Frame, Add</i>	471.99	
			<i>For Baked Enamel Finish, Add</i>	92.62	
			<i>For 3/4 Hour Rating, Add</i>	36.84	
			<i>For 1-1/2 Hour Rating, Add</i>	42.10	
			<i>For 3 Hour Rating, Add</i>	52.63	
			<i>For 18 Gauge Frame, Deduct</i>	-22.06	
			<i>For 14 Gauge Frame, Add</i>	55.14	
			<i>For 12 Gauge Frame, Add</i>	83.81	
08 12 13 13-0074	EA		3' x 6'-8" Through 7'-2" High, 6-3/4" Deep, 16 Gauge, Knock Down Metal Door Frame	404.83	90.43
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	33.60	
			<i>For Welded Frames, Add</i>	59.50	
			<i>For Galvanized Frames, Add</i>	26.88	
			<i>For Type 304 Stainless Steel Frame, Add</i>	412.21	
			<i>For Type 316 Stainless Steel Frame, Add</i>	479.40	
			<i>For Baked Enamel Finish, Add</i>	94.32	
			<i>For 3/4 Hour Rating, Add</i>	36.84	
			<i>For 1-1/2 Hour Rating, Add</i>	42.10	
			<i>For 3 Hour Rating, Add</i>	52.63	
			<i>For 18 Gauge Frame, Deduct</i>	-22.40	
			<i>For 14 Gauge Frame, Add</i>	56.00	
			<i>For 12 Gauge Frame, Add</i>	85.11	
08 12 13 13-0075	EA		3'-4" x 6'-8" Through 7'-2" High, 6-3/4" Deep, 16 Gauge, Knock Down Metal Door Frame.....	429.27	94.95
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	35.91	
			<i>For Welded Frames, Add</i>	59.50	
			<i>For Galvanized Frames, Add</i>	28.72	
			<i>For Type 304 Stainless Steel Frame, Add</i>	440.36	
			<i>For Type 316 Stainless Steel Frame, Add</i>	512.17	
			<i>For Baked Enamel Finish, Add</i>	100.30	
			<i>For 3/4 Hour Rating, Add</i>	36.84	
			<i>For 1-1/2 Hour Rating, Add</i>	42.10	
			<i>For 3 Hour Rating, Add</i>	52.63	
			<i>For 18 Gauge Frame, Deduct</i>	-23.94	
			<i>For 14 Gauge Frame, Add</i>	59.84	
			<i>For 12 Gauge Frame, Add</i>	90.96	
08 12 13 13-0076	EA		3'-6" x 6'-8" Through 7'-2" High, 6-3/4" Deep, 16 Gauge, Knock Down Metal Door Frame.....	438.31	99.47
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	35.91	
			<i>For Welded Frames, Add</i>	59.50	
			<i>For Galvanized Frames, Add</i>	28.72	
			<i>For Type 304 Stainless Steel Frame, Add</i>	440.81	
			<i>For Type 316 Stainless Steel Frame, Add</i>	512.62	
			<i>For Baked Enamel Finish, Add</i>	101.65	
			<i>For 3/4 Hour Rating, Add</i>	36.84	
			<i>For 1-1/2 Hour Rating, Add</i>	42.10	
			<i>For 3 Hour Rating, Add</i>	52.63	
			<i>For 18 Gauge Frame, Deduct</i>	-23.94	
			<i>For 14 Gauge Frame, Add</i>	59.84	
			<i>For 12 Gauge Frame, Add</i>	90.96	
08 12 13 13-0077	EA		4' x 6'-8" Through 7'-2" High, 6-3/4" Deep, 16 Gauge, Knock Down Metal Door Frame	455.89	103.99
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	37.19	
			<i>For Welded Frames, Add</i>	59.50	
			<i>For Galvanized Frames, Add</i>	29.75	
			<i>For Type 304 Stainless Steel Frame, Add</i>	456.64	
			<i>For Type 316 Stainless Steel Frame, Add</i>	531.01	
			<i>For Baked Enamel Finish, Add</i>	105.57	
			<i>For 3/4 Hour Rating, Add</i>	36.84	
			<i>For 1-1/2 Hour Rating, Add</i>	42.10	
			<i>For 3 Hour Rating, Add</i>	52.63	
			<i>For 18 Gauge Frame, Deduct</i>	-24.79	
			<i>For 14 Gauge Frame, Add</i>	61.98	
			<i>For 12 Gauge Frame, Add</i>	94.21	



Openings	08	08
Doors And Frames	08 10	
Metal Frames	08 12	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 13 13-0078 EA 5' x 6'-8" Through 7'-2" High, 6-3/4" Deep, 16 Gauge, Knock Down Metal Door Frame	473.49	108.51
For Auxiliary Frame Reinforcement For Hinges, Add	38.47	
For Welded Frames, Add	59.50	
For Galvanized Frames, Add	30.78	
For Type 304 Stainless Steel Frame, Add	472.48	
For Type 316 Stainless Steel Frame, Add	549.42	
For Baked Enamel Finish, Add	109.49	
For 3/4 Hour Rating, Add	36.84	
For 1-1/2 Hour Rating, Add	42.10	
For 3 Hour Rating, Add	52.63	
For 18 Gauge Frame, Deduct	-25.65	
For 14 Gauge Frame, Add	64.12	
For 12 Gauge Frame, Add	97.45	
08 12 13 13-0079 EA 5'-4" x 6'-8" Through 7'-2" High, 6-3/4" Deep, 16 Gauge, Knock Down Metal Door Frame	482.53	113.04
For Auxiliary Frame Reinforcement For Hinges, Add	38.47	
For Welded Frames, Add	59.50	
For Galvanized Frames, Add	30.78	
For Type 304 Stainless Steel Frame, Add	472.93	
For Type 316 Stainless Steel Frame, Add	549.87	
For Baked Enamel Finish, Add	110.85	
For 3/4 Hour Rating, Add	36.84	
For 1-1/2 Hour Rating, Add	42.10	
For 3 Hour Rating, Add	52.63	
For 18 Gauge Frame, Deduct	-25.65	
For 14 Gauge Frame, Add	64.12	
For 12 Gauge Frame, Add	97.45	
08 12 13 13-0080 EA 5'-8" x 6'-8" Through 7'-2" High, 6-3/4" Deep, 16 Gauge, Knock Down Metal Door Frame	491.33	115.30
For Auxiliary Frame Reinforcement For Hinges, Add	39.11	
For Welded Frames, Add	59.50	
For Galvanized Frames, Add	31.29	
For Type 304 Stainless Steel Frame, Add	480.86	
For Type 316 Stainless Steel Frame, Add	559.08	
For Baked Enamel Finish, Add	112.81	
For 3/4 Hour Rating, Add	36.84	
For 1-1/2 Hour Rating, Add	42.10	
For 3 Hour Rating, Add	52.63	
For 18 Gauge Frame, Deduct	-26.07	
For 14 Gauge Frame, Add	65.19	
For 12 Gauge Frame, Add	99.08	
08 12 13 13-0081 EA 6' x 6'-8" Through 7'-2" High, 6-3/4" Deep, 16 Gauge, Knock Down Metal Door Frame	500.12	117.55
For Auxiliary Frame Reinforcement For Hinges, Add	39.75	
For Welded Frames, Add	59.50	
For Galvanized Frames, Add	31.80	
For Type 304 Stainless Steel Frame, Add	488.77	
For Type 316 Stainless Steel Frame, Add	568.28	
For Baked Enamel Finish, Add	114.77	
For 3/4 Hour Rating, Add	36.84	
For 1-1/2 Hour Rating, Add	42.10	
For 3 Hour Rating, Add	52.63	
For 18 Gauge Frame, Deduct	-26.50	
For 14 Gauge Frame, Add	66.25	
For 12 Gauge Frame, Add	100.70	
08 12 13 13-0082 EA 7' x 6'-8" Through 7'-2" High, 6-3/4" Deep, 16 Gauge, Knock Down Metal Door Frame	521.74	119.82
For Auxiliary Frame Reinforcement For Hinges, Add	42.32	
For Welded Frames, Add	59.50	
For Galvanized Frames, Add	33.85	
For Type 304 Stainless Steel Frame, Add	519.78	
For Type 316 Stainless Steel Frame, Add	604.41	
For Baked Enamel Finish, Add	120.58	
For 3/4 Hour Rating, Add	36.84	
For 1-1/2 Hour Rating, Add	42.10	
For 3 Hour Rating, Add	52.63	
For 18 Gauge Frame, Deduct	-28.21	
For 14 Gauge Frame, Add	70.53	
For 12 Gauge Frame, Add	107.20	
08 12 13 13-0083 EA 8' x 6'-8" Through 7'-2" High, 6-3/4" Deep, 16 Gauge, Knock Down Metal Door Frame	543.37	122.08
For Auxiliary Frame Reinforcement For Hinges, Add	44.88	
For Welded Frames, Add	59.50	
For Galvanized Frames, Add	35.91	
For Type 304 Stainless Steel Frame, Add	550.79	
For Type 316 Stainless Steel Frame, Add	640.55	
For Baked Enamel Finish, Add	126.39	
For 3/4 Hour Rating, Add	36.84	
For 1-1/2 Hour Rating, Add	42.10	
For 3 Hour Rating, Add	52.63	
For 18 Gauge Frame, Deduct	-29.92	
For 14 Gauge Frame, Add	74.80	
For 12 Gauge Frame, Add	113.70	

08 12 13 13-0084 >7'-2" Through 9'-0" High, 6-3/4" Deep, 16 Gauge, Knock Down Metal Door
Frames (08 12 13 13-0067)

08	Openings
08 10	Doors And Frames
08 12	Metal Frames



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 13	13-0085	EA	2' x >7'-2" Through 9' High, 6-3/4" Deep, 16 Gauge, Knock Down Metal Door Frame	335.11	67.82
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	29.92	
			<i>For Welded Frames, Add</i>	59.50	
			<i>For Galvanized Frames, Add</i>	23.94	
			<i>For Type 304 Stainless Steel Frame, Add</i>	365.83	
			<i>For Type 316 Stainless Steel Frame, Add</i>	425.67	
			<i>For Baked Enamel Finish, Add</i>	80.19	
			<i>For 3/4 Hour Rating, Add</i>	36.84	
			<i>For 1-1/2 Hour Rating, Add</i>	42.10	
			<i>For 3 Hour Rating, Add</i>	52.63	
			<i>For 18 Gauge Frame, Deduct</i>	-19.95	
			<i>For 14 Gauge Frame, Add</i>	49.87	
			<i>For 12 Gauge Frame, Add</i>	75.80	
08 12 13	13-0086	EA	2'-4" x >7'-2" Through 9' High, 6-3/4" Deep, 16 Gauge, Knock Down Metal Door Frame	386.68	74.60
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	35.62	
			<i>For Welded Frames, Add</i>	59.50	
			<i>For Galvanized Frames, Add</i>	28.50	
			<i>For Type 304 Stainless Steel Frame, Add</i>	434.91	
			<i>For Type 316 Stainless Steel Frame, Add</i>	506.15	
			<i>For Baked Enamel Finish, Add</i>	93.62	
			<i>For 3/4 Hour Rating, Add</i>	36.84	
			<i>For 1-1/2 Hour Rating, Add</i>	42.10	
			<i>For 3 Hour Rating, Add</i>	52.63	
			<i>For 18 Gauge Frame, Deduct</i>	-23.75	
			<i>For 14 Gauge Frame, Add</i>	59.37	
			<i>For 12 Gauge Frame, Add</i>	90.24	
08 12 13	13-0087	EA	2'-6" x >7'-2" Through 9' High, 6-3/4" Deep, 16 Gauge, Knock Down Metal Door Frame	399.52	79.13
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	36.19	
			<i>For Welded Frames, Add</i>	59.50	
			<i>For Galvanized Frames, Add</i>	28.95	
			<i>For Type 304 Stainless Steel Frame, Add</i>	442.20	
			<i>For Type 316 Stainless Steel Frame, Add</i>	514.58	
			<i>For Baked Enamel Finish, Add</i>	96.12	
			<i>For 3/4 Hour Rating, Add</i>	36.84	
			<i>For 1-1/2 Hour Rating, Add</i>	42.10	
			<i>For 3 Hour Rating, Add</i>	52.63	
			<i>For 18 Gauge Frame, Deduct</i>	-24.13	
			<i>For 14 Gauge Frame, Add</i>	60.32	
			<i>For 12 Gauge Frame, Add</i>	91.68	
08 12 13	13-0088	EA	2'-8" x >7'-2" Through 9' High, 6-3/4" Deep, 16 Gauge, Knock Down Metal Door Frame	413.08	85.91
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	36.19	
			<i>For Welded Frames, Add</i>	59.50	
			<i>For Galvanized Frames, Add</i>	28.95	
			<i>For Type 304 Stainless Steel Frame, Add</i>	442.88	
			<i>For Type 316 Stainless Steel Frame, Add</i>	515.26	
			<i>For Baked Enamel Finish, Add</i>	98.15	
			<i>For 3/4 Hour Rating, Add</i>	36.84	
			<i>For 1-1/2 Hour Rating, Add</i>	42.10	
			<i>For 3 Hour Rating, Add</i>	52.63	
			<i>For 18 Gauge Frame, Deduct</i>	-24.13	
			<i>For 14 Gauge Frame, Add</i>	60.32	
			<i>For 12 Gauge Frame, Add</i>	91.68	
08 12 13	13-0089	EA	2'-10" x >7'-2" Through 9' High, 6-3/4" Deep, 16 Gauge, Knock Down Metal Door Frame	421.41	88.17
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	36.76	
			<i>For Welded Frames, Add</i>	59.50	
			<i>For Galvanized Frames, Add</i>	29.41	
			<i>For Type 304 Stainless Steel Frame, Add</i>	449.94	
			<i>For Type 316 Stainless Steel Frame, Add</i>	523.46	
			<i>For Baked Enamel Finish, Add</i>	99.97	
			<i>For 3/4 Hour Rating, Add</i>	36.84	
			<i>For 1-1/2 Hour Rating, Add</i>	42.10	
			<i>For 3 Hour Rating, Add</i>	52.63	
			<i>For 18 Gauge Frame, Deduct</i>	-24.51	
			<i>For 14 Gauge Frame, Add</i>	61.27	
			<i>For 12 Gauge Frame, Add</i>	93.13	
08 12 13	13-0090	EA	3' x >7'-2" Through 9' High, 6-3/4" Deep, 16 Gauge, Knock Down Metal Door Frame	429.71	90.43
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	37.33	
			<i>For Welded Frames, Add</i>	59.50	
			<i>For Galvanized Frames, Add</i>	29.86	
			<i>For Type 304 Stainless Steel Frame, Add</i>	456.99	
			<i>For Type 316 Stainless Steel Frame, Add</i>	531.65	
			<i>For Baked Enamel Finish, Add</i>	101.79	
			<i>For 3/4 Hour Rating, Add</i>	36.84	
			<i>For 1-1/2 Hour Rating, Add</i>	42.10	
			<i>For 3 Hour Rating, Add</i>	52.63	
			<i>For 18 Gauge Frame, Deduct</i>	-24.89	
			<i>For 14 Gauge Frame, Add</i>	62.22	
			<i>For 12 Gauge Frame, Add</i>	94.57	



Openings	08	08
Doors And Frames	08 10	
Metal Frames	08 12	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 13 13-0091 EA 3'-4" x >7'-2" Through 9' High, 6-3/4" Deep, 16 Gauge, Knock Down Metal Door Frame.....	455.86	94.95
For Auxiliary Frame Reinforcement For Hinges, Add	39.89	
For Welded Frames, Add	59.50	
For Galvanized Frames, Add	31.92	
For Type 304 Stainless Steel Frame, Add	488.22	
For Type 316 Stainless Steel Frame, Add	568.01	
For Baked Enamel Finish, Add	108.27	
For 3/4 Hour Rating, Add	36.84	
For 1-1/2 Hour Rating, Add	42.10	
For 3 Hour Rating, Add	52.63	
For 18 Gauge Frame, Deduct	-26.60	
For 14 Gauge Frame, Add	66.49	
For 12 Gauge Frame, Add	101.06	
08 12 13 13-0092 EA 3'-6" x >7'-2" Through 9' High, 6-3/4" Deep, 16 Gauge, Knock Down Metal Door Frame.....	464.90	99.47
For Auxiliary Frame Reinforcement For Hinges, Add	39.89	
For Welded Frames, Add	59.50	
For Galvanized Frames, Add	31.92	
For Type 304 Stainless Steel Frame, Add	488.68	
For Type 316 Stainless Steel Frame, Add	568.46	
For Baked Enamel Finish, Add	109.63	
For 3/4 Hour Rating, Add	36.84	
For 1-1/2 Hour Rating, Add	42.10	
For 3 Hour Rating, Add	52.63	
For 18 Gauge Frame, Deduct	-26.60	
For 14 Gauge Frame, Add	66.49	
For 12 Gauge Frame, Add	101.06	
08 12 13 13-0093 EA 4' x >7'-2" Through 9' High, 6-3/4" Deep, 16 Gauge, Knock Down Metal Door Frame	483.44	103.99
For Auxiliary Frame Reinforcement For Hinges, Add	41.32	
For Welded Frames, Add	59.50	
For Galvanized Frames, Add	33.06	
For Type 304 Stainless Steel Frame, Add	506.23	
For Type 316 Stainless Steel Frame, Add	588.87	
For Baked Enamel Finish, Add	113.84	
For 3/4 Hour Rating, Add	36.84	
For 1-1/2 Hour Rating, Add	42.10	
For 3 Hour Rating, Add	52.63	
For 18 Gauge Frame, Deduct	-27.55	
For 14 Gauge Frame, Add	68.87	
For 12 Gauge Frame, Add	104.67	
08 12 13 13-0094 EA 5' x >7'-2" Through 9' High, 6-3/4" Deep, 16 Gauge, Knock Down Metal Door Frame	501.99	108.51
For Auxiliary Frame Reinforcement For Hinges, Add	42.74	
For Welded Frames, Add	59.50	
For Galvanized Frames, Add	34.20	
For Type 304 Stainless Steel Frame, Add	523.78	
For Type 316 Stainless Steel Frame, Add	609.27	
For Baked Enamel Finish, Add	118.04	
For 3/4 Hour Rating, Add	36.84	
For 1-1/2 Hour Rating, Add	42.10	
For 3 Hour Rating, Add	52.63	
For 18 Gauge Frame, Deduct	-28.50	
For 14 Gauge Frame, Add	71.24	
For 12 Gauge Frame, Add	108.28	
08 12 13 13-0095 EA 5'-4" x >7'-2" Through 9' High, 6-3/4" Deep, 16 Gauge, Knock Down Metal Door Frame.....	511.03	113.04
For Auxiliary Frame Reinforcement For Hinges, Add	42.74	
For Welded Frames, Add	59.50	
For Galvanized Frames, Add	34.20	
For Type 304 Stainless Steel Frame, Add	524.23	
For Type 316 Stainless Steel Frame, Add	609.72	
For Baked Enamel Finish, Add	119.40	
For 3/4 Hour Rating, Add	36.84	
For 1-1/2 Hour Rating, Add	42.10	
For 3 Hour Rating, Add	52.63	
For 18 Gauge Frame, Deduct	-28.50	
For 14 Gauge Frame, Add	71.24	
For 12 Gauge Frame, Add	108.28	
08 12 13 13-0096 EA 5'-8" x >7'-2" Through 9' High, 6-3/4" Deep, 16 Gauge, Knock Down Metal Door Frame.....	520.30	115.30
For Auxiliary Frame Reinforcement For Hinges, Add	43.46	
For Welded Frames, Add	59.50	
For Galvanized Frames, Add	34.77	
For Type 304 Stainless Steel Frame, Add	533.01	
For Type 316 Stainless Steel Frame, Add	619.92	
For Baked Enamel Finish, Add	121.50	
For 3/4 Hour Rating, Add	36.84	
For 1-1/2 Hour Rating, Add	42.10	
For 3 Hour Rating, Add	52.63	
For 18 Gauge Frame, Deduct	-28.97	
For 14 Gauge Frame, Add	72.43	
For 12 Gauge Frame, Add	110.09	

08	Openings
08 10	Doors And Frames
08 12	Metal Frames



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 13 13-0097	EA		6' x >7'-2" Through 9' High, 6-3/4" Deep, 16 Gauge, Knock Down Metal Door Frame	529.57	117.55
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	44.17	
			<i>For Welded Frames, Add</i>	59.50	
			<i>For Galvanized Frames, Add</i>	35.34	
			<i>For Type 304 Stainless Steel Frame, Add</i>	541.78	
			<i>For Type 316 Stainless Steel Frame, Add</i>	630.12	
			<i>For Baked Enamel Finish, Add</i>	123.60	
			<i>For 3/4 Hour Rating, Add</i>	36.84	
			<i>For 1-1/2 Hour Rating, Add</i>	42.10	
			<i>For 3 Hour Rating, Add</i>	52.63	
			<i>For 18 Gauge Frame, Deduct</i>	-29.45	
			<i>For 14 Gauge Frame, Add</i>	73.62	
			<i>For 12 Gauge Frame, Add</i>	111.89	
08 12 13 13-0098	EA		7' x >7'-2" Through 9' High, 6-3/4" Deep, 16 Gauge, Knock Down Metal Door Frame	553.08	119.82
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	47.02	
			<i>For Welded Frames, Add</i>	59.50	
			<i>For Galvanized Frames, Add</i>	37.61	
			<i>For Type 304 Stainless Steel Frame, Add</i>	576.19	
			<i>For Type 316 Stainless Steel Frame, Add</i>	670.23	
			<i>For Baked Enamel Finish, Add</i>	129.98	
			<i>For 3/4 Hour Rating, Add</i>	36.84	
			<i>For 1-1/2 Hour Rating, Add</i>	42.10	
			<i>For 3 Hour Rating, Add</i>	52.63	
			<i>For 18 Gauge Frame, Deduct</i>	-31.35	
			<i>For 14 Gauge Frame, Add</i>	78.36	
			<i>For 12 Gauge Frame, Add</i>	119.11	
08 12 13 13-0099	EA		8' x >7'-2" Through 9' High, 6-3/4" Deep, 16 Gauge, Knock Down Metal Door Frame	576.61	122.08
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	49.87	
			<i>For Welded Frames, Add</i>	59.50	
			<i>For Galvanized Frames, Add</i>	39.89	
			<i>For Type 304 Stainless Steel Frame, Add</i>	610.62	
			<i>For Type 316 Stainless Steel Frame, Add</i>	710.35	
			<i>For Baked Enamel Finish, Add</i>	136.36	
			<i>For 3/4 Hour Rating, Add</i>	36.84	
			<i>For 1-1/2 Hour Rating, Add</i>	42.10	
			<i>For 3 Hour Rating, Add</i>	52.63	
			<i>For 18 Gauge Frame, Deduct</i>	-33.25	
			<i>For 14 Gauge Frame, Add</i>	83.11	
			<i>For 12 Gauge Frame, Add</i>	126.33	
08 12 13 13-0100			6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Metal Door Frames ^(08 12 13 13)		
08 12 13 13-0101			6'-8" Through 7'-2" High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Metal Door Frames ^(08 12 13 13-0100)		
08 12 13 13-0102	EA		2' x 6'-8" Through 7'-2" High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Metal Door Frame	328.63	67.82
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	28.95	
			<i>For Welded Frames, Add</i>	59.50	
			<i>For Galvanized Frames, Add</i>	23.16	
			<i>For Type 304 Stainless Steel Frame, Add</i>	354.16	
			<i>For Type 316 Stainless Steel Frame, Add</i>	412.06	
			<i>For Baked Enamel Finish, Add</i>	78.24	
			<i>For 3/4 Hour Rating, Add</i>	36.84	
			<i>For 1-1/2 Hour Rating, Add</i>	42.10	
			<i>For 3 Hour Rating, Add</i>	52.63	
			<i>For 18 Gauge Frame, Deduct</i>	-19.30	
			<i>For 14 Gauge Frame, Add</i>	48.25	
			<i>For 12 Gauge Frame, Add</i>	73.34	
08 12 13 13-0103	EA		2'-4" x 6'-8" Through 7'-2" High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Metal Door Frame	378.96	74.60
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	34.46	
			<i>For Welded Frames, Add</i>	59.50	
			<i>For Galvanized Frames, Add</i>	27.57	
			<i>For Type 304 Stainless Steel Frame, Add</i>	421.01	
			<i>For Type 316 Stainless Steel Frame, Add</i>	489.94	
			<i>For Baked Enamel Finish, Add</i>	91.31	
			<i>For 3/4 Hour Rating, Add</i>	36.84	
			<i>For 1-1/2 Hour Rating, Add</i>	42.10	
			<i>For 3 Hour Rating, Add</i>	52.63	
			<i>For 18 Gauge Frame, Deduct</i>	-22.98	
			<i>For 14 Gauge Frame, Add</i>	57.44	
			<i>For 12 Gauge Frame, Add</i>	87.31	
08 12 13 13-0104	EA		2'-6" x 6'-8" Through 7'-2" High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Metal Door Frame	391.67	79.13
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	35.01	
			<i>For Welded Frames, Add</i>	59.50	
			<i>For Galvanized Frames, Add</i>	28.01	
			<i>For Type 304 Stainless Steel Frame, Add</i>	428.07	
			<i>For Type 316 Stainless Steel Frame, Add</i>	498.09	
			<i>For Baked Enamel Finish, Add</i>	93.76	
			<i>For 3/4 Hour Rating, Add</i>	36.84	
			<i>For 1-1/2 Hour Rating, Add</i>	42.10	
			<i>For 3 Hour Rating, Add</i>	52.63	
			<i>For 18 Gauge Frame, Deduct</i>	-23.34	
			<i>For 14 Gauge Frame, Add</i>	58.36	
			<i>For 12 Gauge Frame, Add</i>	88.70	



Openings	08
Doors And Frames	08 10
Metal Frames	08 12

08

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 13 13-0105 EA 2'-8" x 6'-8" Through 7'-2" High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Metal Door Frame	405.23	85.91
For Auxiliary Frame Reinforcement For Hinges, Add	35.01	
For Welded Frames, Add	59.50	
For Galvanized Frames, Add	28.01	
For Type 304 Stainless Steel Frame, Add	428.75	
For Type 316 Stainless Steel Frame, Add	498.77	
For Baked Enamel Finish, Add	95.80	
For 3/4 Hour Rating, Add	36.84	
For 1-1/2 Hour Rating, Add	42.10	
For 3 Hour Rating, Add	52.63	
For 18 Gauge Frame, Deduct	-23.34	
For 14 Gauge Frame, Add	58.36	
For 12 Gauge Frame, Add	88.70	
08 12 13 13-0106 EA 2'-10" x 6'-8" Through 7'-2" High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Metal Door Frame	413.44	88.17
For Auxiliary Frame Reinforcement For Hinges, Add	35.57	
For Welded Frames, Add	59.50	
For Galvanized Frames, Add	28.45	
For Type 304 Stainless Steel Frame, Add	435.60	
For Type 316 Stainless Steel Frame, Add	506.73	
For Baked Enamel Finish, Add	97.58	
For 3/4 Hour Rating, Add	36.84	
For 1-1/2 Hour Rating, Add	42.10	
For 3 Hour Rating, Add	52.63	
For 18 Gauge Frame, Deduct	-23.71	
For 14 Gauge Frame, Add	59.28	
For 12 Gauge Frame, Add	90.10	
08 12 13 13-0107 EA 3' x 6'-8" Through 7'-2" High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Metal Door Frame	421.63	90.43
For Auxiliary Frame Reinforcement For Hinges, Add	36.12	
For Welded Frames, Add	59.50	
For Galvanized Frames, Add	28.89	
For Type 304 Stainless Steel Frame, Add	442.45	
For Type 316 Stainless Steel Frame, Add	514.68	
For Baked Enamel Finish, Add	99.36	
For 3/4 Hour Rating, Add	36.84	
For 1-1/2 Hour Rating, Add	42.10	
For 3 Hour Rating, Add	52.63	
For 18 Gauge Frame, Deduct	-24.08	
For 14 Gauge Frame, Add	60.20	
For 12 Gauge Frame, Add	91.50	
08 12 13 13-0108 EA 3'-4" x 6'-8" Through 7'-2" High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Metal Door Frame	447.22	94.95
For Auxiliary Frame Reinforcement For Hinges, Add	38.60	
For Welded Frames, Add	59.50	
For Galvanized Frames, Add	30.88	
For Type 304 Stainless Steel Frame, Add	472.67	
For Type 316 Stainless Steel Frame, Add	549.87	
For Baked Enamel Finish, Add	105.68	
For 3/4 Hour Rating, Add	36.84	
For 1-1/2 Hour Rating, Add	42.10	
For 3 Hour Rating, Add	52.63	
For 18 Gauge Frame, Deduct	-25.73	
For 14 Gauge Frame, Add	64.33	
For 12 Gauge Frame, Add	97.78	
08 12 13 13-0109 EA 3'-6" x 6'-8" Through 7'-2" High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Metal Door Frame	456.26	99.47
For Auxiliary Frame Reinforcement For Hinges, Add	38.60	
For Welded Frames, Add	59.50	
For Galvanized Frames, Add	30.88	
For Type 304 Stainless Steel Frame, Add	473.12	
For Type 316 Stainless Steel Frame, Add	550.32	
For Baked Enamel Finish, Add	107.04	
For 3/4 Hour Rating, Add	36.84	
For 1-1/2 Hour Rating, Add	42.10	
For 3 Hour Rating, Add	52.63	
For 18 Gauge Frame, Deduct	-25.73	
For 14 Gauge Frame, Add	64.33	
For 12 Gauge Frame, Add	97.78	
08 12 13 13-0110 EA 4' x 6'-8" Through 7'-2" High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Metal Door Frame	474.49	103.99
For Auxiliary Frame Reinforcement For Hinges, Add	39.98	
For Welded Frames, Add	59.50	
For Galvanized Frames, Add	31.98	
For Type 304 Stainless Steel Frame, Add	490.12	
For Type 316 Stainless Steel Frame, Add	570.07	
For Baked Enamel Finish, Add	111.15	
For 3/4 Hour Rating, Add	36.84	
For 1-1/2 Hour Rating, Add	42.10	
For 3 Hour Rating, Add	52.63	
For 18 Gauge Frame, Deduct	-26.65	
For 14 Gauge Frame, Add	66.63	
For 12 Gauge Frame, Add	101.27	

08	Openings
08 10	Doors And Frames
08 12	Metal Frames



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 13 13-0111	EA		5' x 6'-8" Through 7'-2" High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Metal Door Frame	492.73	108.51
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	41.36	
			<i>For Welded Frames, Add</i>	59.50	
			<i>For Galvanized Frames, Add</i>	33.08	
			<i>For Type 304 Stainless Steel Frame, Add</i>	507.11	
			<i>For Type 316 Stainless Steel Frame, Add</i>	589.82	
			<i>For Baked Enamel Finish, Add</i>	115.26	
			<i>For 3/4 Hour Rating, Add</i>	36.84	
			<i>For 1-1/2 Hour Rating, Add</i>	42.10	
			<i>For 3 Hour Rating, Add</i>	52.63	
			<i>For 18 Gauge Frame, Deduct</i>	-27.57	
			<i>For 14 Gauge Frame, Add</i>	68.93	
			<i>For 12 Gauge Frame, Add</i>	104.77	
08 12 13 13-0112	EA		5'-4" x 6'-8" Through 7'-2" High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Metal Door Frame	501.77	113.04
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	41.36	
			<i>For Welded Frames, Add</i>	59.50	
			<i>For Galvanized Frames, Add</i>	33.08	
			<i>For Type 304 Stainless Steel Frame, Add</i>	507.56	
			<i>For Type 316 Stainless Steel Frame, Add</i>	590.27	
			<i>For Baked Enamel Finish, Add</i>	116.62	
			<i>For 3/4 Hour Rating, Add</i>	36.84	
			<i>For 1-1/2 Hour Rating, Add</i>	42.10	
			<i>For 3 Hour Rating, Add</i>	52.63	
			<i>For 18 Gauge Frame, Deduct</i>	-27.57	
			<i>For 14 Gauge Frame, Add</i>	68.93	
			<i>For 12 Gauge Frame, Add</i>	104.77	
08 12 13 13-0113	EA		5'-8" x 6'-8" Through 7'-2" High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Metal Door Frame	510.88	115.30
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	42.04	
			<i>For Welded Frames, Add</i>	59.50	
			<i>For Galvanized Frames, Add</i>	33.63	
			<i>For Type 304 Stainless Steel Frame, Add</i>	516.05	
			<i>For Type 316 Stainless Steel Frame, Add</i>	600.14	
			<i>For Baked Enamel Finish, Add</i>	118.68	
			<i>For 3/4 Hour Rating, Add</i>	36.84	
			<i>For 1-1/2 Hour Rating, Add</i>	42.10	
			<i>For 3 Hour Rating, Add</i>	52.63	
			<i>For 18 Gauge Frame, Deduct</i>	-28.03	
			<i>For 14 Gauge Frame, Add</i>	70.07	
			<i>For 12 Gauge Frame, Add</i>	106.51	
08 12 13 13-0114	EA		6' x 6'-8" Through 7'-2" High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Metal Door Frame	520.00	117.55
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	42.73	
			<i>For Welded Frames, Add</i>	59.50	
			<i>For Galvanized Frames, Add</i>	34.19	
			<i>For Type 304 Stainless Steel Frame, Add</i>	524.56	
			<i>For Type 316 Stainless Steel Frame, Add</i>	610.02	
			<i>For Baked Enamel Finish, Add</i>	120.73	
			<i>For 3/4 Hour Rating, Add</i>	36.84	
			<i>For 1-1/2 Hour Rating, Add</i>	42.10	
			<i>For 3 Hour Rating, Add</i>	52.63	
			<i>For 18 Gauge Frame, Deduct</i>	-28.49	
			<i>For 14 Gauge Frame, Add</i>	71.22	
			<i>For 12 Gauge Frame, Add</i>	108.26	
08 12 13 13-0115	EA		7' x 6'-8" Through 7'-2" High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Metal Door Frame	542.90	119.82
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	45.49	
			<i>For Welded Frames, Add</i>	59.50	
			<i>For Galvanized Frames, Add</i>	36.39	
			<i>For Type 304 Stainless Steel Frame, Add</i>	557.87	
			<i>For Type 316 Stainless Steel Frame, Add</i>	648.85	
			<i>For Baked Enamel Finish, Add</i>	126.93	
			<i>For 3/4 Hour Rating, Add</i>	36.84	
			<i>For 1-1/2 Hour Rating, Add</i>	42.10	
			<i>For 3 Hour Rating, Add</i>	52.63	
			<i>For 18 Gauge Frame, Deduct</i>	-30.33	
			<i>For 14 Gauge Frame, Add</i>	75.82	
			<i>For 12 Gauge Frame, Add</i>	115.24	
08 12 13 13-0116	EA		8' x 6'-8" Through 7'-2" High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Metal Door Frame	565.81	122.08
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	48.25	
			<i>For Welded Frames, Add</i>	59.50	
			<i>For Galvanized Frames, Add</i>	38.60	
			<i>For Type 304 Stainless Steel Frame, Add</i>	591.18	
			<i>For Type 316 Stainless Steel Frame, Add</i>	687.67	
			<i>For Baked Enamel Finish, Add</i>	133.12	
			<i>For 3/4 Hour Rating, Add</i>	36.84	
			<i>For 1-1/2 Hour Rating, Add</i>	42.10	
			<i>For 3 Hour Rating, Add</i>	52.63	
			<i>For 18 Gauge Frame, Deduct</i>	-32.17	
			<i>For 14 Gauge Frame, Add</i>	80.41	
			<i>For 12 Gauge Frame, Add</i>	122.23	

08 12 13 13-0117 >7'-2" Through 9'-0" High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Metal Door Frames (08 12 13 13-0100)



Openings	08	08
Doors And Frames	08 10	
Metal Frames	08 12	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 13 13-0118 EA 2' x >7'-2" Through 9' High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Metal Door Frame.....	350.07	67.82
For Auxiliary Frame Reinforcement For Hinges, Add	32.16	
For Welded Frames, Add	59.50	
For Galvanized Frames, Add	25.73	
For Type 304 Stainless Steel Frame, Add	392.76	
For Type 316 Stainless Steel Frame, Add	457.09	
For Baked Enamel Finish, Add	84.68	
For 3/4 Hour Rating, Add	36.84	
For 1-1/2 Hour Rating, Add	42.10	
For 3 Hour Rating, Add	52.63	
For 18 Gauge Frame, Deduct	-21.44	
For 14 Gauge Frame, Add	53.61	
For 12 Gauge Frame, Add	81.48	
08 12 13 13-0119 EA 2'-4" x >7'-2" Through 9' High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Metal Door Frame	404.49	74.60
For Auxiliary Frame Reinforcement For Hinges, Add	38.29	
For Welded Frames, Add	59.50	
For Galvanized Frames, Add	30.63	
For Type 304 Stainless Steel Frame, Add	466.96	
For Type 316 Stainless Steel Frame, Add	543.55	
For Baked Enamel Finish, Add	98.97	
For 3/4 Hour Rating, Add	36.84	
For 1-1/2 Hour Rating, Add	42.10	
For 3 Hour Rating, Add	52.63	
For 18 Gauge Frame, Deduct	-25.53	
For 14 Gauge Frame, Add	63.82	
For 12 Gauge Frame, Add	97.01	
08 12 13 13-0120 EA 2'-6" x >7'-2" Through 9' High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Metal Door Frame	417.61	79.13
For Auxiliary Frame Reinforcement For Hinges, Add	38.90	
For Welded Frames, Add	59.50	
For Galvanized Frames, Add	31.12	
For Type 304 Stainless Steel Frame, Add	474.76	
For Type 316 Stainless Steel Frame, Add	552.57	
For Baked Enamel Finish, Add	101.55	
For 3/4 Hour Rating, Add	36.84	
For 1-1/2 Hour Rating, Add	42.10	
For 3 Hour Rating, Add	52.63	
For 18 Gauge Frame, Deduct	-25.94	
For 14 Gauge Frame, Add	64.84	
For 12 Gauge Frame, Add	98.56	
08 12 13 13-0121 EA 2'-8" x >7'-2" Through 9' High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Metal Door Frame	431.17	85.91
For Auxiliary Frame Reinforcement For Hinges, Add	38.90	
For Welded Frames, Add	59.50	
For Galvanized Frames, Add	31.12	
For Type 304 Stainless Steel Frame, Add	475.44	
For Type 316 Stainless Steel Frame, Add	553.25	
For Baked Enamel Finish, Add	103.58	
For 3/4 Hour Rating, Add	36.84	
For 1-1/2 Hour Rating, Add	42.10	
For 3 Hour Rating, Add	52.63	
For 18 Gauge Frame, Deduct	-25.94	
For 14 Gauge Frame, Add	64.84	
For 12 Gauge Frame, Add	98.56	
08 12 13 13-0122 EA 2'-10" x >7'-2" Through 9' High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Metal Door Frame	439.79	88.17
For Auxiliary Frame Reinforcement For Hinges, Add	39.52	
For Welded Frames, Add	59.50	
For Galvanized Frames, Add	31.61	
For Type 304 Stainless Steel Frame, Add	483.03	
For Type 316 Stainless Steel Frame, Add	562.06	
For Baked Enamel Finish, Add	105.49	
For 3/4 Hour Rating, Add	36.84	
For 1-1/2 Hour Rating, Add	42.10	
For 3 Hour Rating, Add	52.63	
For 18 Gauge Frame, Deduct	-26.35	
For 14 Gauge Frame, Add	65.86	
For 12 Gauge Frame, Add	100.11	
08 12 13 13-0123 EA 3' x >7'-2" Through 9' High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Metal Door Frame.....	448.38	90.43
For Auxiliary Frame Reinforcement For Hinges, Add	40.13	
For Welded Frames, Add	59.50	
For Galvanized Frames, Add	32.10	
For Type 304 Stainless Steel Frame, Add	490.60	
For Type 316 Stainless Steel Frame, Add	570.86	
For Baked Enamel Finish, Add	107.39	
For 3/4 Hour Rating, Add	36.84	
For 1-1/2 Hour Rating, Add	42.10	
For 3 Hour Rating, Add	52.63	
For 18 Gauge Frame, Deduct	-26.75	
For 14 Gauge Frame, Add	66.88	
For 12 Gauge Frame, Add	101.66	

08	Openings
08 10	Doors And Frames
08 12	Metal Frames



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 13	13-0124	EA	3'-4" x >7'-2" Through 9' High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Metal Door Frame	475.81	94.95
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	42.89	
			<i>For Welded Frames, Add</i>	59.50	
			<i>For Galvanized Frames, Add</i>	34.31	
			<i>For Type 304 Stainless Steel Frame, Add</i>	524.13	
			<i>For Type 316 Stainless Steel Frame, Add</i>	609.91	
			<i>For Baked Enamel Finish, Add</i>	114.26	
			<i>For 3/4 Hour Rating, Add</i>	36.84	
			<i>For 1-1/2 Hour Rating, Add</i>	42.10	
			<i>For 3 Hour Rating, Add</i>	52.63	
			<i>For 18 Gauge Frame, Deduct</i>	-28.59	
			<i>For 14 Gauge Frame, Add</i>	71.48	
			<i>For 12 Gauge Frame, Add</i>	108.65	
08 12 13	13-0125	EA	3'-6" x >7'-2" Through 9' High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Metal Door Frame	484.85	99.47
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	42.89	
			<i>For Welded Frames, Add</i>	59.50	
			<i>For Galvanized Frames, Add</i>	34.31	
			<i>For Type 304 Stainless Steel Frame, Add</i>	524.59	
			<i>For Type 316 Stainless Steel Frame, Add</i>	610.36	
			<i>For Baked Enamel Finish, Add</i>	115.61	
			<i>For 3/4 Hour Rating, Add</i>	36.84	
			<i>For 1-1/2 Hour Rating, Add</i>	42.10	
			<i>For 3 Hour Rating, Add</i>	52.63	
			<i>For 18 Gauge Frame, Deduct</i>	-28.59	
			<i>For 14 Gauge Frame, Add</i>	71.48	
			<i>For 12 Gauge Frame, Add</i>	108.65	
08 12 13	13-0126	EA	4' x >7'-2" Through 9' High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Metal Door Frame.....	504.10	103.99
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	44.42	
			<i>For Welded Frames, Add</i>	59.50	
			<i>For Galvanized Frames, Add</i>	35.53	
			<i>For Type 304 Stainless Steel Frame, Add</i>	543.42	
			<i>For Type 316 Stainless Steel Frame, Add</i>	632.25	
			<i>For Baked Enamel Finish, Add</i>	120.03	
			<i>For 3/4 Hour Rating, Add</i>	36.84	
			<i>For 1-1/2 Hour Rating, Add</i>	42.10	
			<i>For 3 Hour Rating, Add</i>	52.63	
			<i>For 18 Gauge Frame, Deduct</i>	-29.61	
			<i>For 14 Gauge Frame, Add</i>	74.03	
			<i>For 12 Gauge Frame, Add</i>	112.53	
08 12 13	13-0127	EA	5' x >7'-2" Through 9' High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Metal Door Frame.....	523.36	108.51
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	45.95	
			<i>For Welded Frames, Add</i>	59.50	
			<i>For Galvanized Frames, Add</i>	36.76	
			<i>For Type 304 Stainless Steel Frame, Add</i>	562.25	
			<i>For Type 316 Stainless Steel Frame, Add</i>	654.14	
			<i>For Baked Enamel Finish, Add</i>	124.45	
			<i>For 3/4 Hour Rating, Add</i>	36.84	
			<i>For 1-1/2 Hour Rating, Add</i>	42.10	
			<i>For 3 Hour Rating, Add</i>	52.63	
			<i>For 18 Gauge Frame, Deduct</i>	-30.63	
			<i>For 14 Gauge Frame, Add</i>	76.58	
			<i>For 12 Gauge Frame, Add</i>	116.41	
08 12 13	13-0128	EA	5'-4" x >7'-2" Through 9' High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Metal Door Frame	532.40	113.04
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	45.95	
			<i>For Welded Frames, Add</i>	59.50	
			<i>For Galvanized Frames, Add</i>	36.76	
			<i>For Type 304 Stainless Steel Frame, Add</i>	562.70	
			<i>For Type 316 Stainless Steel Frame, Add</i>	654.60	
			<i>For Baked Enamel Finish, Add</i>	125.81	
			<i>For 3/4 Hour Rating, Add</i>	36.84	
			<i>For 1-1/2 Hour Rating, Add</i>	42.10	
			<i>For 3 Hour Rating, Add</i>	52.63	
			<i>For 18 Gauge Frame, Deduct</i>	-30.63	
			<i>For 14 Gauge Frame, Add</i>	76.58	
			<i>For 12 Gauge Frame, Add</i>	116.41	
08 12 13	13-0129	EA	5'-8" x >7'-2" Through 9' High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Metal Door Frame	542.03	115.30
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	46.72	
			<i>For Welded Frames, Add</i>	59.50	
			<i>For Galvanized Frames, Add</i>	37.37	
			<i>For Type 304 Stainless Steel Frame, Add</i>	572.12	
			<i>For Type 316 Stainless Steel Frame, Add</i>	665.55	
			<i>For Baked Enamel Finish, Add</i>	128.02	
			<i>For 3/4 Hour Rating, Add</i>	36.84	
			<i>For 1-1/2 Hour Rating, Add</i>	42.10	
			<i>For 3 Hour Rating, Add</i>	52.63	
			<i>For 18 Gauge Frame, Deduct</i>	-31.14	
			<i>For 14 Gauge Frame, Add</i>	77.86	
			<i>For 12 Gauge Frame, Add</i>	118.35	



Openings	08	08
Doors And Frames	08 10	
Metal Frames	08 12	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 13	13-0130	EA	6' x >7'-2" Through 9' High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Metal Door Frame.....	551.65	117.55
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	47.48	
			<i>For Welded Frames, Add</i>	59.50	
			<i>For Galvanized Frames, Add</i>	37.98	
			<i>For Type 304 Stainless Steel Frame, Add</i>	581.53	
			<i>For Type 316 Stainless Steel Frame, Add</i>	676.49	
			<i>For Baked Enamel Finish, Add</i>	130.23	
			<i>For 3/4 Hour Rating, Add</i>	36.84	
			<i>For 1-1/2 Hour Rating, Add</i>	42.10	
			<i>For 3 Hour Rating, Add</i>	52.63	
			<i>For 18 Gauge Frame, Deduct</i>	-31.65	
			<i>For 14 Gauge Frame, Add</i>	79.14	
			<i>For 12 Gauge Frame, Add</i>	120.29	
08 12 13	13-0131	EA	7' x >7'-2" Through 9' High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Metal Door Frame.....	576.59	119.82
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	50.54	
			<i>For Welded Frames, Add</i>	59.50	
			<i>For Galvanized Frames, Add</i>	40.44	
			<i>For Type 304 Stainless Steel Frame, Add</i>	618.51	
			<i>For Type 316 Stainless Steel Frame, Add</i>	719.60	
			<i>For Baked Enamel Finish, Add</i>	137.03	
			<i>For 3/4 Hour Rating, Add</i>	36.84	
			<i>For 1-1/2 Hour Rating, Add</i>	42.10	
			<i>For 3 Hour Rating, Add</i>	52.63	
			<i>For 18 Gauge Frame, Deduct</i>	-33.70	
			<i>For 14 Gauge Frame, Add</i>	84.24	
			<i>For 12 Gauge Frame, Add</i>	128.04	
08 12 13	13-0132	EA	8' x >7'-2" Through 9' High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Metal Door Frame.....	601.55	122.08
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	53.61	
			<i>For Welded Frames, Add</i>	59.50	
			<i>For Galvanized Frames, Add</i>	42.89	
			<i>For Type 304 Stainless Steel Frame, Add</i>	655.51	
			<i>For Type 316 Stainless Steel Frame, Add</i>	762.73	
			<i>For Baked Enamel Finish, Add</i>	143.84	
			<i>For 3/4 Hour Rating, Add</i>	36.84	
			<i>For 1-1/2 Hour Rating, Add</i>	42.10	
			<i>For 3 Hour Rating, Add</i>	52.63	
			<i>For 18 Gauge Frame, Deduct</i>	-35.74	
			<i>For 14 Gauge Frame, Add</i>	89.35	
			<i>For 12 Gauge Frame, Add</i>	135.81	
08 12 13	13-0133		8-7/8" Through 13" Deep, 16 Gauge, Knock Down Metal Door Frames <small>(08 12 13 13)</small>		
08 12 13	13-0134		6'-8" Through 7'-2" High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Metal Door Frames <small>(08 12 13 13-0133)</small>		
08 12 13	13-0135	EA	2' x 6'-8" Through 7'-2" High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Metal Door Frame	337.61	67.82
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	30.30	
			<i>For Welded Frames, Add</i>	59.50	
			<i>For Galvanized Frames, Add</i>	24.24	
			<i>For Type 304 Stainless Steel Frame, Add</i>	370.33	
			<i>For Type 316 Stainless Steel Frame, Add</i>	430.92	
			<i>For Baked Enamel Finish, Add</i>	80.94	
			<i>For 3/4 Hour Rating, Add</i>	36.84	
			<i>For 1-1/2 Hour Rating, Add</i>	42.10	
			<i>For 3 Hour Rating, Add</i>	52.63	
			<i>For 18 Gauge Frame, Deduct</i>	-20.20	
			<i>For 14 Gauge Frame, Add</i>	50.49	
			<i>For 12 Gauge Frame, Add</i>	76.75	
08 12 13	13-0136	EA	2'-4" x 6'-8" Through 7'-2" High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Metal Door Frame.....	389.64	74.60
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	36.06	
			<i>For Welded Frames, Add</i>	59.50	
			<i>For Galvanized Frames, Add</i>	28.85	
			<i>For Type 304 Stainless Steel Frame, Add</i>	440.23	
			<i>For Type 316 Stainless Steel Frame, Add</i>	512.36	
			<i>For Baked Enamel Finish, Add</i>	94.51	
			<i>For 3/4 Hour Rating, Add</i>	36.84	
			<i>For 1-1/2 Hour Rating, Add</i>	42.10	
			<i>For 3 Hour Rating, Add</i>	52.63	
			<i>For 18 Gauge Frame, Deduct</i>	-24.04	
			<i>For 14 Gauge Frame, Add</i>	60.11	
			<i>For 12 Gauge Frame, Add</i>	91.36	
08 12 13	13-0137	EA	2'-6" x 6'-8" Through 7'-2" High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Metal Door Frame.....	402.53	79.13
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	36.64	
			<i>For Welded Frames, Add</i>	59.50	
			<i>For Galvanized Frames, Add</i>	29.31	
			<i>For Type 304 Stainless Steel Frame, Add</i>	447.62	
			<i>For Type 316 Stainless Steel Frame, Add</i>	520.90	
			<i>For Baked Enamel Finish, Add</i>	97.02	
			<i>For 3/4 Hour Rating, Add</i>	36.84	
			<i>For 1-1/2 Hour Rating, Add</i>	42.10	
			<i>For 3 Hour Rating, Add</i>	52.63	
			<i>For 18 Gauge Frame, Deduct</i>	-24.43	
			<i>For 14 Gauge Frame, Add</i>	61.07	
			<i>For 12 Gauge Frame, Add</i>	92.83	

08 Openings**08 10 Doors And Frames****08 12 Metal Frames**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 13 13-0138	EA		2'-8" x 6'-8" Through 7'-2" High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Metal Door Frame	416.09	85.91
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	36.64	
			<i>For Welded Frames, Add</i>	59.50	
			<i>For Galvanized Frames, Add</i>	29.31	
			<i>For Type 304 Stainless Steel Frame, Add</i>	448.29	
			<i>For Type 316 Stainless Steel Frame, Add</i>	521.58	
			<i>For Baked Enamel Finish, Add</i>	99.06	
			<i>For 3/4 Hour Rating, Add</i>	36.84	
			<i>For 1-1/2 Hour Rating, Add</i>	42.10	
			<i>For 3 Hour Rating, Add</i>	52.63	
			<i>For 18 Gauge Frame, Deduct</i>	-24.43	
			<i>For 14 Gauge Frame, Add</i>	61.07	
			<i>For 12 Gauge Frame, Add</i>	92.83	
08 12 13 13-0139	EA		2'-10" x 6'-8" Through 7'-2" High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Metal Door Frame	424.47	88.17
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	37.22	
			<i>For Welded Frames, Add</i>	59.50	
			<i>For Galvanized Frames, Add</i>	29.78	
			<i>For Type 304 Stainless Steel Frame, Add</i>	455.45	
			<i>For Type 316 Stainless Steel Frame, Add</i>	529.89	
			<i>For Baked Enamel Finish, Add</i>	100.89	
			<i>For 3/4 Hour Rating, Add</i>	36.84	
			<i>For 1-1/2 Hour Rating, Add</i>	42.10	
			<i>For 3 Hour Rating, Add</i>	52.63	
			<i>For 18 Gauge Frame, Deduct</i>	-24.81	
			<i>For 14 Gauge Frame, Add</i>	62.03	
			<i>For 12 Gauge Frame, Add</i>	94.29	
08 12 13 13-0140	EA		3' x 6'-8" Through 7'-2" High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Metal Door Frame	432.83	90.43
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	37.80	
			<i>For Welded Frames, Add</i>	59.50	
			<i>For Galvanized Frames, Add</i>	30.24	
			<i>For Type 304 Stainless Steel Frame, Add</i>	462.61	
			<i>For Type 316 Stainless Steel Frame, Add</i>	538.20	
			<i>For Baked Enamel Finish, Add</i>	102.72	
			<i>For 3/4 Hour Rating, Add</i>	36.84	
			<i>For 1-1/2 Hour Rating, Add</i>	42.10	
			<i>For 3 Hour Rating, Add</i>	52.63	
			<i>For 18 Gauge Frame, Deduct</i>	-25.20	
			<i>For 14 Gauge Frame, Add</i>	63.00	
			<i>For 12 Gauge Frame, Add</i>	95.75	
08 12 13 13-0141	EA		3'-4" x 6'-8" Through 7'-2" High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Metal Door Frame	459.19	94.95
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	40.39	
			<i>For Welded Frames, Add</i>	59.50	
			<i>For Galvanized Frames, Add</i>	32.31	
			<i>For Type 304 Stainless Steel Frame, Add</i>	494.22	
			<i>For Type 316 Stainless Steel Frame, Add</i>	575.00	
			<i>For Baked Enamel Finish, Add</i>	109.27	
			<i>For 3/4 Hour Rating, Add</i>	36.84	
			<i>For 1-1/2 Hour Rating, Add</i>	42.10	
			<i>For 3 Hour Rating, Add</i>	52.63	
			<i>For 18 Gauge Frame, Deduct</i>	-26.93	
			<i>For 14 Gauge Frame, Add</i>	67.32	
			<i>For 12 Gauge Frame, Add</i>	102.33	
08 12 13 13-0142	EA		3'-6" x 6'-8" Through 7'-2" High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Metal Door Frame	468.23	99.47
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	40.39	
			<i>For Welded Frames, Add</i>	59.50	
			<i>For Galvanized Frames, Add</i>	32.31	
			<i>For Type 304 Stainless Steel Frame, Add</i>	494.67	
			<i>For Type 316 Stainless Steel Frame, Add</i>	575.46	
			<i>For Baked Enamel Finish, Add</i>	110.63	
			<i>For 3/4 Hour Rating, Add</i>	36.84	
			<i>For 1-1/2 Hour Rating, Add</i>	42.10	
			<i>For 3 Hour Rating, Add</i>	52.63	
			<i>For 18 Gauge Frame, Deduct</i>	-26.93	
			<i>For 14 Gauge Frame, Add</i>	67.32	
			<i>For 12 Gauge Frame, Add</i>	102.33	
08 12 13 13-0143	EA		4' x 6'-8" Through 7'-2" High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Metal Door Frame	486.88	103.99
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	41.84	
			<i>For Welded Frames, Add</i>	59.50	
			<i>For Galvanized Frames, Add</i>	33.47	
			<i>For Type 304 Stainless Steel Frame, Add</i>	512.42	
			<i>For Type 316 Stainless Steel Frame, Add</i>	596.09	
			<i>For Baked Enamel Finish, Add</i>	114.87	
			<i>For 3/4 Hour Rating, Add</i>	36.84	
			<i>For 1-1/2 Hour Rating, Add</i>	42.10	
			<i>For 3 Hour Rating, Add</i>	52.63	
			<i>For 18 Gauge Frame, Deduct</i>	-27.89	
			<i>For 14 Gauge Frame, Add</i>	69.73	
			<i>For 12 Gauge Frame, Add</i>	105.98	



Openings	08	08
Doors And Frames	08 10	
Metal Frames	08 12	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 13 13-0144 EA 5' x 6'-8" Through 7'-2" High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Metal Door Frame	505.55	108.51
For Auxiliary Frame Reinforcement For Hinges, Add	43.28	
For Welded Frames, Add	59.50	
For Galvanized Frames, Add	34.62	
For Type 304 Stainless Steel Frame, Add	530.19	
For Type 316 Stainless Steel Frame, Add	616.74	
For Baked Enamel Finish, Add	119.11	
For 3/4 Hour Rating, Add	36.84	
For 1-1/2 Hour Rating, Add	42.10	
For 3 Hour Rating, Add	52.63	
For 18 Gauge Frame, Deduct	-28.85	
For 14 Gauge Frame, Add	72.13	
For 12 Gauge Frame, Add	109.64	
08 12 13 13-0145 EA 5'-4" x 6'-8" Through 7'-2" High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Metal Door Frame	514.59	113.04
For Auxiliary Frame Reinforcement For Hinges, Add	43.28	
For Welded Frames, Add	59.50	
For Galvanized Frames, Add	34.62	
For Type 304 Stainless Steel Frame, Add	530.64	
For Type 316 Stainless Steel Frame, Add	617.20	
For Baked Enamel Finish, Add	120.47	
For 3/4 Hour Rating, Add	36.84	
For 1-1/2 Hour Rating, Add	42.10	
For 3 Hour Rating, Add	52.63	
For 18 Gauge Frame, Deduct	-28.85	
For 14 Gauge Frame, Add	72.13	
For 12 Gauge Frame, Add	109.64	
08 12 13 13-0146 EA 5'-8" x 6'-8" Through 7'-2" High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Metal Door Frame	523.92	115.30
For Auxiliary Frame Reinforcement For Hinges, Add	44.00	
For Welded Frames, Add	59.50	
For Galvanized Frames, Add	35.20	
For Type 304 Stainless Steel Frame, Add	539.52	
For Type 316 Stainless Steel Frame, Add	627.52	
For Baked Enamel Finish, Add	122.59	
For 3/4 Hour Rating, Add	36.84	
For 1-1/2 Hour Rating, Add	42.10	
For 3 Hour Rating, Add	52.63	
For 18 Gauge Frame, Deduct	-29.33	
For 14 Gauge Frame, Add	73.33	
For 12 Gauge Frame, Add	111.47	
08 12 13 13-0147 EA 6' x 6'-8" Through 7'-2" High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Metal Door Frame	533.25	117.55
For Auxiliary Frame Reinforcement For Hinges, Add	44.72	
For Welded Frames, Add	59.50	
For Galvanized Frames, Add	35.78	
For Type 304 Stainless Steel Frame, Add	548.41	
For Type 316 Stainless Steel Frame, Add	637.85	
For Baked Enamel Finish, Add	124.71	
For 3/4 Hour Rating, Add	36.84	
For 1-1/2 Hour Rating, Add	42.10	
For 3 Hour Rating, Add	52.63	
For 18 Gauge Frame, Deduct	-29.81	
For 14 Gauge Frame, Add	74.54	
For 12 Gauge Frame, Add	113.29	
08 12 13 13-0148 EA 7' x 6'-8" Through 7'-2" High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Metal Door Frame	557.00	119.82
For Auxiliary Frame Reinforcement For Hinges, Add	47.61	
For Welded Frames, Add	59.50	
For Galvanized Frames, Add	38.08	
For Type 304 Stainless Steel Frame, Add	583.25	
For Type 316 Stainless Steel Frame, Add	678.46	
For Baked Enamel Finish, Add	131.16	
For 3/4 Hour Rating, Add	36.84	
For 1-1/2 Hour Rating, Add	42.10	
For 3 Hour Rating, Add	52.63	
For 18 Gauge Frame, Deduct	-31.74	
For 14 Gauge Frame, Add	79.34	
For 12 Gauge Frame, Add	120.60	
08 12 13 13-0149 EA 8' x 6'-8" Through 7'-2" High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Metal Door Frame	580.77	122.08
For Auxiliary Frame Reinforcement For Hinges, Add	50.49	
For Welded Frames, Add	59.50	
For Galvanized Frames, Add	40.39	
For Type 304 Stainless Steel Frame, Add	618.11	
For Type 316 Stainless Steel Frame, Add	719.09	
For Baked Enamel Finish, Add	137.61	
For 3/4 Hour Rating, Add	36.84	
For 1-1/2 Hour Rating, Add	42.10	
For 3 Hour Rating, Add	52.63	
For 18 Gauge Frame, Deduct	-33.66	
For 14 Gauge Frame, Add	84.15	
For 12 Gauge Frame, Add	127.91	

08 12 13 13-0150 >7'-2" Through 9'-0" High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Metal Door Frames (08 12 13 13-0133)

08	Openings
08 10	Doors And Frames
08 12	Metal Frames



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 13	13-0151	EA	2' x >7'-2" Through 9' High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Metal Door Frame	360.05	67.82
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	33.66	
			<i>For Welded Frames, Add</i>	59.50	
			<i>For Galvanized Frames, Add</i>	26.93	
			<i>For Type 304 Stainless Steel Frame, Add</i>	410.72	
			<i>For Type 316 Stainless Steel Frame, Add</i>	478.04	
			<i>For Baked Enamel Finish, Add</i>	87.67	
			<i>For 3/4 Hour Rating, Add</i>	36.84	
			<i>For 1-1/2 Hour Rating, Add</i>	42.10	
			<i>For 3 Hour Rating, Add</i>	52.63	
			<i>For 18 Gauge Frame, Deduct</i>	-22.44	
			<i>For 14 Gauge Frame, Add</i>	56.10	
			<i>For 12 Gauge Frame, Add</i>	85.28	
08 12 13	13-0152	EA	2'-4" x >7'-2" Through 9' High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Metal Door Frame	416.36	74.60
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	40.07	
			<i>For Welded Frames, Add</i>	59.50	
			<i>For Galvanized Frames, Add</i>	32.06	
			<i>For Type 304 Stainless Steel Frame, Add</i>	488.33	
			<i>For Type 316 Stainless Steel Frame, Add</i>	568.48	
			<i>For Baked Enamel Finish, Add</i>	102.53	
			<i>For 3/4 Hour Rating, Add</i>	36.84	
			<i>For 1-1/2 Hour Rating, Add</i>	42.10	
			<i>For 3 Hour Rating, Add</i>	52.63	
			<i>For 18 Gauge Frame, Deduct</i>	-26.72	
			<i>For 14 Gauge Frame, Add</i>	66.79	
			<i>For 12 Gauge Frame, Add</i>	101.52	
08 12 13	13-0153	EA	2'-6" x >7'-2" Through 9' High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Metal Door Frame	429.67	79.13
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	40.71	
			<i>For Welded Frames, Add</i>	59.50	
			<i>For Galvanized Frames, Add</i>	32.57	
			<i>For Type 304 Stainless Steel Frame, Add</i>	496.47	
			<i>For Type 316 Stainless Steel Frame, Add</i>	577.89	
			<i>For Baked Enamel Finish, Add</i>	105.16	
			<i>For 3/4 Hour Rating, Add</i>	36.84	
			<i>For 1-1/2 Hour Rating, Add</i>	42.10	
			<i>For 3 Hour Rating, Add</i>	52.63	
			<i>For 18 Gauge Frame, Deduct</i>	-27.14	
			<i>For 14 Gauge Frame, Add</i>	67.86	
			<i>For 12 Gauge Frame, Add</i>	103.14	
08 12 13	13-0154	EA	2'-8" x >7'-2" Through 9' High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Metal Door Frame	443.23	85.91
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	40.71	
			<i>For Welded Frames, Add</i>	59.50	
			<i>For Galvanized Frames, Add</i>	32.57	
			<i>For Type 304 Stainless Steel Frame, Add</i>	497.15	
			<i>For Type 316 Stainless Steel Frame, Add</i>	578.57	
			<i>For Baked Enamel Finish, Add</i>	107.20	
			<i>For 3/4 Hour Rating, Add</i>	36.84	
			<i>For 1-1/2 Hour Rating, Add</i>	42.10	
			<i>For 3 Hour Rating, Add</i>	52.63	
			<i>For 18 Gauge Frame, Deduct</i>	-27.14	
			<i>For 14 Gauge Frame, Add</i>	67.86	
			<i>For 12 Gauge Frame, Add</i>	103.14	
08 12 13	13-0155	EA	2'-10" x >7'-2" Through 9' High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Metal Door Frame	452.04	88.17
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	41.36	
			<i>For Welded Frames, Add</i>	59.50	
			<i>For Galvanized Frames, Add</i>	33.08	
			<i>For Type 304 Stainless Steel Frame, Add</i>	505.08	
			<i>For Type 316 Stainless Steel Frame, Add</i>	587.79	
			<i>For Baked Enamel Finish, Add</i>	109.16	
			<i>For 3/4 Hour Rating, Add</i>	36.84	
			<i>For 1-1/2 Hour Rating, Add</i>	42.10	
			<i>For 3 Hour Rating, Add</i>	52.63	
			<i>For 18 Gauge Frame, Deduct</i>	-27.57	
			<i>For 14 Gauge Frame, Add</i>	68.93	
			<i>For 12 Gauge Frame, Add</i>	104.77	
08 12 13	13-0156	EA	3' x >7'-2" Through 9' High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Metal Door Frame	460.82	90.43
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	42.00	
			<i>For Welded Frames, Add</i>	59.50	
			<i>For Galvanized Frames, Add</i>	33.60	
			<i>For Type 304 Stainless Steel Frame, Add</i>	512.99	
			<i>For Type 316 Stainless Steel Frame, Add</i>	596.98	
			<i>For Baked Enamel Finish, Add</i>	111.12	
			<i>For 3/4 Hour Rating, Add</i>	36.84	
			<i>For 1-1/2 Hour Rating, Add</i>	42.10	
			<i>For 3 Hour Rating, Add</i>	52.63	
			<i>For 18 Gauge Frame, Deduct</i>	-28.00	
			<i>For 14 Gauge Frame, Add</i>	69.99	
			<i>For 12 Gauge Frame, Add</i>	106.39	



Openings	08	08
Doors And Frames	08 10	
Metal Frames	08 12	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 13 13-0157 EA 3'-4" x >7'-2" Through 9' High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Metal Door Frame	489.11	94.95
For Auxiliary Frame Reinforcement For Hinges, Add	44.88	
For Welded Frames, Add	59.50	
For Galvanized Frames, Add	35.91	
For Type 304 Stainless Steel Frame, Add	548.07	
For Type 316 Stainless Steel Frame, Add	637.84	
For Baked Enamel Finish, Add	118.25	
For 3/4 Hour Rating, Add	36.84	
For 1-1/2 Hour Rating, Add	42.10	
For 3 Hour Rating, Add	52.63	
For 18 Gauge Frame, Deduct	-29.92	
For 14 Gauge Frame, Add	74.80	
For 12 Gauge Frame, Add	113.70	
08 12 13 13-0158 EA 3'-6" x >7'-2" Through 9' High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Metal Door Frame	498.15	99.47
For Auxiliary Frame Reinforcement For Hinges, Add	44.88	
For Welded Frames, Add	59.50	
For Galvanized Frames, Add	35.91	
For Type 304 Stainless Steel Frame, Add	548.53	
For Type 316 Stainless Steel Frame, Add	638.29	
For Baked Enamel Finish, Add	119.60	
For 3/4 Hour Rating, Add	36.84	
For 1-1/2 Hour Rating, Add	42.10	
For 3 Hour Rating, Add	52.63	
For 18 Gauge Frame, Deduct	-29.92	
For 14 Gauge Frame, Add	74.80	
For 12 Gauge Frame, Add	113.70	
08 12 13 13-0159 EA 4' x >7'-2" Through 9' High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Metal Door Frame	517.87	103.99
For Auxiliary Frame Reinforcement For Hinges, Add	46.48	
For Welded Frames, Add	59.50	
For Galvanized Frames, Add	37.19	
For Type 304 Stainless Steel Frame, Add	568.20	
For Type 316 Stainless Steel Frame, Add	661.17	
For Baked Enamel Finish, Add	124.16	
For 3/4 Hour Rating, Add	36.84	
For 1-1/2 Hour Rating, Add	42.10	
For 3 Hour Rating, Add	52.63	
For 18 Gauge Frame, Deduct	-30.99	
For 14 Gauge Frame, Add	77.47	
For 12 Gauge Frame, Add	117.76	
08 12 13 13-0160 EA 5' x >7'-2" Through 9' High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Metal Door Frame	537.61	108.51
For Auxiliary Frame Reinforcement For Hinges, Add	48.09	
For Welded Frames, Add	59.50	
For Galvanized Frames, Add	38.47	
For Type 304 Stainless Steel Frame, Add	587.90	
For Type 316 Stainless Steel Frame, Add	684.07	
For Baked Enamel Finish, Add	128.73	
For 3/4 Hour Rating, Add	36.84	
For 1-1/2 Hour Rating, Add	42.10	
For 3 Hour Rating, Add	52.63	
For 18 Gauge Frame, Deduct	-32.06	
For 14 Gauge Frame, Add	80.15	
For 12 Gauge Frame, Add	121.82	
08 12 13 13-0161 EA 5'-4" x >7'-2" Through 9' High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Metal Door Frame	546.65	113.04
For Auxiliary Frame Reinforcement For Hinges, Add	48.09	
For Welded Frames, Add	59.50	
For Galvanized Frames, Add	38.47	
For Type 304 Stainless Steel Frame, Add	588.35	
For Type 316 Stainless Steel Frame, Add	684.52	
For Baked Enamel Finish, Add	130.08	
For 3/4 Hour Rating, Add	36.84	
For 1-1/2 Hour Rating, Add	42.10	
For 3 Hour Rating, Add	52.63	
For 18 Gauge Frame, Deduct	-32.06	
For 14 Gauge Frame, Add	80.15	
For 12 Gauge Frame, Add	121.82	
08 12 13 13-0162 EA 5'-8" x >7'-2" Through 9' High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Metal Door Frame	556.51	115.30
For Auxiliary Frame Reinforcement For Hinges, Add	48.89	
For Welded Frames, Add	59.50	
For Galvanized Frames, Add	39.11	
For Type 304 Stainless Steel Frame, Add	598.19	
For Type 316 Stainless Steel Frame, Add	695.96	
For Baked Enamel Finish, Add	132.36	
For 3/4 Hour Rating, Add	36.84	
For 1-1/2 Hour Rating, Add	42.10	
For 3 Hour Rating, Add	52.63	
For 18 Gauge Frame, Deduct	-32.59	
For 14 Gauge Frame, Add	81.48	
For 12 Gauge Frame, Add	123.85	

08	Openings
08 10	Doors And Frames
08 12	Metal Frames



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 13 13-0163 EA 6' x >7'-2" Through 9' High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Metal Door Frame.....	566.38	117.55
For Auxiliary Frame Reinforcement For Hinges, Add	49.69	
For Welded Frames, Add	59.50	
For Galvanized Frames, Add	39.75	
For Type 304 Stainless Steel Frame, Add	608.04	
For Type 316 Stainless Steel Frame, Add	707.42	
For Baked Enamel Finish, Add	134.65	
For 3/4 Hour Rating, Add	36.84	
For 1-1/2 Hour Rating, Add	42.10	
For 3 Hour Rating, Add	52.63	
For 18 Gauge Frame, Deduct	-33.13	
For 14 Gauge Frame, Add	82.82	
For 12 Gauge Frame, Add	125.88	
08 12 13 13-0164 EA 7' x >7'-2" Through 9' High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Metal Door Frame.....	592.26	119.82
For Auxiliary Frame Reinforcement For Hinges, Add	52.89	
For Welded Frames, Add	59.50	
For Galvanized Frames, Add	42.32	
For Type 304 Stainless Steel Frame, Add	646.72	
For Type 316 Stainless Steel Frame, Add	752.50	
For Baked Enamel Finish, Add	141.73	
For 3/4 Hour Rating, Add	36.84	
For 1-1/2 Hour Rating, Add	42.10	
For 3 Hour Rating, Add	52.63	
For 18 Gauge Frame, Deduct	-35.26	
For 14 Gauge Frame, Add	88.16	
For 12 Gauge Frame, Add	134.00	
08 12 13 13-0165 EA 8' x >7'-2" Through 9' High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Metal Door Frame.....	618.17	122.08
For Auxiliary Frame Reinforcement For Hinges, Add	56.10	
For Welded Frames, Add	59.50	
For Galvanized Frames, Add	44.88	
For Type 304 Stainless Steel Frame, Add	685.43	
For Type 316 Stainless Steel Frame, Add	797.63	
For Baked Enamel Finish, Add	148.83	
For 3/4 Hour Rating, Add	36.84	
For 1-1/2 Hour Rating, Add	42.10	
For 3 Hour Rating, Add	52.63	
For 18 Gauge Frame, Deduct	-37.40	
For 14 Gauge Frame, Add	93.50	
For 12 Gauge Frame, Add	142.12	
08 12 13 13-0166 Sidelights And Transoms (08 12 13 13)		
08 12 13 13-0167 Fixed Steel Transoms (08 12 13 13-0166)		
Note: Excludes glazing. See CSI section 08 80 00 00-0000 for glazing.		
08 12 13 13-0168 SF 4-3/4" Deep, 16 Gauge Frame, Fixed Steel Transom.....	43.48	12.66
For Movable Frame, Add	8.70	
For 18 Gauge Frame, Deduct	-1.82	
For 14 Gauge Frame, Add	4.54	
For 12 Gauge Frame, Add	6.90	
08 12 13 13-0169 SF 5-3/4" Deep, 16 Gauge Frame, Fixed Steel Transom.....	45.28	13.11
For Movable Frame, Add	9.06	
For 18 Gauge Frame, Deduct	-1.91	
For 14 Gauge Frame, Add	4.77	
For 12 Gauge Frame, Add	7.24	
08 12 13 13-0170 SF 6-3/4" Deep, 16 Gauge Frame, Fixed Steel Transom.....	47.15	13.56
For Movable Frame, Add	9.43	
For 18 Gauge Frame, Deduct	-2.00	
For 14 Gauge Frame, Add	5.01	
For 12 Gauge Frame, Add	7.61	
08 12 13 13-0171 Operable Steel Transom Sash (08 12 13 13-0166)		
Note: Includes hardware.		
08 12 13 13-0172 SF 4-3/4" Deep, 16 Gauge Frame, Operable Steel Transom Sash.....	55.75	12.66
For 18 Gauge Frame, Deduct	-3.04	
For 14 Gauge Frame, Add	7.61	
For 12 Gauge Frame, Add	11.56	
08 12 13 13-0173 SF 5-3/4" Deep, 16 Gauge Frame, Operable Steel Transom Sash.....	58.18	13.11
For 18 Gauge Frame, Deduct	-3.20	
For 14 Gauge Frame, Add	7.99	
For 12 Gauge Frame, Add	12.14	
08 12 13 13-0174 SF 6-3/4" Deep, 16 Gauge Frame, Operable Steel Transom Sash.....	60.68	13.56
For 18 Gauge Frame, Deduct	-3.36	
For 14 Gauge Frame, Add	8.39	
For 12 Gauge Frame, Add	12.75	
08 12 13 13-0175 Sidelights, Steel Frame (08 12 13 13-0166)		
Note: Excludes glazing. See CSI section 08 80 00 00-0000 for glazing.		
08 12 13 13-0176 SF 4-3/4" Deep Sidelights, 16 Gauge Frame.....	44.84	12.66
For 18 Gauge Frame, Deduct	-1.95	
For 14 Gauge Frame, Add	4.88	
For 12 Gauge Frame, Add	7.42	



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MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 13	13-0177	SF	5-3/4" Deep Sidelights, 16 Gauge Frame	46.72	13.11
			<i>For 18 Gauge Frame, Deduct</i>	-2.05	
			<i>For 14 Gauge Frame, Add</i>	5.13	
			<i>For 12 Gauge Frame, Add</i>	7.79	
08 12 13	13-0178	SF	6-3/4" Deep Sidelights, 16 Gauge Frame	48.64	13.56
			<i>For 18 Gauge Frame, Deduct</i>	-2.15	
			<i>For 14 Gauge Frame, Add</i>	5.38	
			<i>For 12 Gauge Frame, Add</i>	8.17	
08 12 13 13-0179 Sundry Hollow Metal Frame Sections <small>(08 12 13 13)</small>					
08 12 13 13-0180 Verticals, Mullions <small>(08 12 13 13-0179)</small>					
08 12 13	13-0181	LF	4-3/4" x 1-3/4" Mullions, Vertical 16 Gauge Hollow Metal Frame Section.....	27.29	5.06
			<i>For 18 Gauge Frame, Deduct</i>	-1.46	
			<i>For 14 Gauge Frame, Add</i>	3.64	
			<i>For 12 Gauge Frame, Add</i>	5.53	
			<i>For 3 Hour Frame, Add</i>	8.00	
			<i>For 1-1/2 Hour Frame, Add</i>	5.00	
			<i>For 3/4 Hour Frame, Add</i>	4.00	
08 12 13	13-0182	LF	4-3/4" x 2" Mullions, Vertical 16 Gauge Hollow Metal Frame Section.....	27.88	5.06
			<i>For 18 Gauge Frame, Deduct</i>	-1.51	
			<i>For 14 Gauge Frame, Add</i>	3.79	
			<i>For 12 Gauge Frame, Add</i>	5.75	
			<i>For 3 Hour Frame, Add</i>	8.00	
			<i>For 1-1/2 Hour Frame, Add</i>	5.00	
			<i>For 3/4 Hour Frame, Add</i>	4.00	
08 12 13	13-0183	LF	5-1/4" x 1-3/4" Mullions, Vertical 16 Gauge Hollow Metal Frame Section.....	27.66	5.24
			<i>For 18 Gauge Frame, Deduct</i>	-1.46	
			<i>For 14 Gauge Frame, Add</i>	3.64	
			<i>For 12 Gauge Frame, Add</i>	5.53	
			<i>For 3 Hour Frame, Add</i>	8.00	
			<i>For 1-1/2 Hour Frame, Add</i>	5.00	
			<i>For 3/4 Hour Frame, Add</i>	4.00	
08 12 13	13-0184	LF	5-1/4" x 2" Mullions, Vertical 16 Gauge Hollow Metal Frame Section.....	28.57	5.24
			<i>For 18 Gauge Frame, Deduct</i>	-1.55	
			<i>For 14 Gauge Frame, Add</i>	3.87	
			<i>For 12 Gauge Frame, Add</i>	5.87	
			<i>For 3 Hour Frame, Add</i>	8.00	
			<i>For 1-1/2 Hour Frame, Add</i>	5.00	
			<i>For 3/4 Hour Frame, Add</i>	4.00	
08 12 13	13-0185	LF	6-3/4" x 1-3/4" Mullions, Vertical 16 Gauge Hollow Metal Frame Section.....	28.68	5.33
			<i>For 18 Gauge Frame, Deduct</i>	-1.53	
			<i>For 14 Gauge Frame, Add</i>	3.82	
			<i>For 12 Gauge Frame, Add</i>	5.81	
			<i>For 3 Hour Frame, Add</i>	8.00	
			<i>For 1-1/2 Hour Frame, Add</i>	5.00	
			<i>For 3/4 Hour Frame, Add</i>	4.00	
08 12 13	13-0186	LF	6-3/4" x 2" Mullions, Vertical 16 Gauge Hollow Metal Frame Section.....	29.03	5.33
			<i>For 18 Gauge Frame, Deduct</i>	-1.56	
			<i>For 14 Gauge Frame, Add</i>	3.91	
			<i>For 12 Gauge Frame, Add</i>	5.94	
			<i>For 3 Hour Frame, Add</i>	8.00	
			<i>For 1-1/2 Hour Frame, Add</i>	5.00	
			<i>For 3/4 Hour Frame, Add</i>	4.00	
08 12 13 13-0187 Horizontals, Rails <small>(08 12 13 13-0179)</small>					
08 12 13	13-0188	LF	4-3/4" x 1-3/4" Rails, Horizontal 16 Gauge Hollow Metal Frame Section.....	20.02	5.06
			<i>For 18 Gauge Frame, Deduct</i>	-0.73	
			<i>For 14 Gauge Frame, Add</i>	1.82	
			<i>For 12 Gauge Frame, Add</i>	2.77	
			<i>For 3 Hour Frame, Add</i>	8.00	
			<i>For 1-1/2 Hour Frame, Add</i>	5.00	
			<i>For 3/4 Hour Frame, Add</i>	4.00	
08 12 13	13-0189	LF	4-3/4" x 2" Rails, Horizontal 16 Gauge Hollow Metal Frame Section.....	20.76	5.06
			<i>For 18 Gauge Frame, Deduct</i>	-0.80	
			<i>For 14 Gauge Frame, Add</i>	2.01	
			<i>For 12 Gauge Frame, Add</i>	3.05	
			<i>For 3 Hour Frame, Add</i>	8.00	
			<i>For 1-1/2 Hour Frame, Add</i>	5.00	
			<i>For 3/4 Hour Frame, Add</i>	4.00	
08 12 13	13-0190	LF	5-1/4" x 1-3/4" Rails, Horizontal 16 Gauge Hollow Metal Frame Section.....	20.39	5.24
			<i>For 18 Gauge Frame, Deduct</i>	-0.73	
			<i>For 14 Gauge Frame, Add</i>	1.82	
			<i>For 12 Gauge Frame, Add</i>	2.77	
			<i>For 3 Hour Frame, Add</i>	8.00	
			<i>For 1-1/2 Hour Frame, Add</i>	5.00	
			<i>For 3/4 Hour Frame, Add</i>	4.00	
08 12 13	13-0191	LF	5-1/4" x 2" Rails, Horizontal 16 Gauge Hollow Metal Frame Section.....	21.13	5.24
			<i>For 18 Gauge Frame, Deduct</i>	-0.80	
			<i>For 14 Gauge Frame, Add</i>	2.01	
			<i>For 12 Gauge Frame, Add</i>	3.05	
			<i>For 3 Hour Frame, Add</i>	8.00	
			<i>For 1-1/2 Hour Frame, Add</i>	5.00	
			<i>For 3/4 Hour Frame, Add</i>	4.00	

08	Openings
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MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 13 13-0192	LF		6-3/4" x 1-3/4" Rails, Horizontal 16 Gauge Hollow Metal Frame Section.....	21.04	5.33
			<i>For 18 Gauge Frame, Deduct</i>	-0.76	
			<i>For 14 Gauge Frame, Add</i>	1.91	
			<i>For 12 Gauge Frame, Add</i>	2.90	
			<i>For 3 Hour Frame, Add</i>	8.00	
			<i>For 1-1/2 Hour Frame, Add</i>	5.00	
			<i>For 3/4 Hour Frame, Add</i>	4.00	
08 12 13 13-0193	LF		6-3/4" x 2" Rails, Horizontal 16 Gauge Hollow Metal Frame Section.....	21.69	5.33
			<i>For 18 Gauge Frame, Deduct</i>	-0.83	
			<i>For 14 Gauge Frame, Add</i>	2.07	
			<i>For 12 Gauge Frame, Add</i>	3.15	
			<i>For 3 Hour Frame, Add</i>	8.00	
			<i>For 1-1/2 Hour Frame, Add</i>	5.00	
			<i>For 3/4 Hour Frame, Add</i>	4.00	
08 12 13 13-0194			Removable Verticals, Mullions (08 12 13 13-0179)		
08 12 13 13-0195	EA		4-3/4" x 1-3/4" x 7" Keyed Removable Mullions, Vertical 16 Gauge Hollow Metal Frame Section.....	666.13	35.45
			<i>For 18 Gauge Frame, Deduct</i>	-57.75	
			<i>For 14 Gauge Frame, Add</i>	144.38	
			<i>For 12 Gauge Frame, Add</i>	219.45	
08 12 13 13-0196	EA		4-3/4" x 2" x 7" Keyed Removable Mullions, Vertical 16 Gauge Hollow Metal Frame Section	689.17	35.45
			<i>For 18 Gauge Frame, Deduct</i>	-60.06	
			<i>For 14 Gauge Frame, Add</i>	150.14	
			<i>For 12 Gauge Frame, Add</i>	228.21	
08 12 13 13-0197	EA		5-1/4" x 1-3/4" x 7" Keyed Removable Mullions, Vertical 16 Gauge Hollow Metal Frame Section.....	761.81	37.08
			<i>For 18 Gauge Frame, Deduct</i>	-67.05	
			<i>For 14 Gauge Frame, Add</i>	167.62	
			<i>For 12 Gauge Frame, Add</i>	254.78	
			<i>For 3 Hour Frame, Add</i>	56.00	
			<i>For 1-1/2 Hour Frame, Add</i>	36.00	
			<i>For 3/4 Hour Frame, Add</i>	28.00	
08 12 13 13-0198	EA		5-1/4" x 2" x 7" Keyed Removable Mullions, Vertical 16 Gauge Hollow Metal Frame Section	782.37	37.08
			<i>For 18 Gauge Frame, Deduct</i>	-69.10	
			<i>For 14 Gauge Frame, Add</i>	172.76	
			<i>For 12 Gauge Frame, Add</i>	262.60	
			<i>For 3 Hour Frame, Add</i>	56.00	
			<i>For 1-1/2 Hour Frame, Add</i>	36.00	
			<i>For 3/4 Hour Frame, Add</i>	28.00	
08 12 13 13-0199	EA		6-3/4" x 1-3/4" x 7" Keyed Removable Mullions, Vertical 16 Gauge Hollow Metal Frame Section.....	883.07	37.98
			<i>For 18 Gauge Frame, Deduct</i>	-78.81	
			<i>For 14 Gauge Frame, Add</i>	197.03	
			<i>For 12 Gauge Frame, Add</i>	299.49	
			<i>For 3 Hour Frame, Add</i>	56.00	
			<i>For 1-1/2 Hour Frame, Add</i>	36.00	
			<i>For 3/4 Hour Frame, Add</i>	28.00	
08 12 13 13-0200	EA		6-3/4" x 2" x 7" Keyed Removable Mullions, Vertical 16 Gauge Hollow Metal Frame Section	897.05	37.98
			<i>For 18 Gauge Frame, Deduct</i>	-80.21	
			<i>For 14 Gauge Frame, Add</i>	200.53	
			<i>For 12 Gauge Frame, Add</i>	304.80	
			<i>For 3 Hour Frame, Add</i>	56.00	
			<i>For 1-1/2 Hour Frame, Add</i>	36.00	
			<i>For 3/4 Hour Frame, Add</i>	28.00	
08 12 13 13-0201			Metal Frames Accessories (08 12 13 13)		
08 12 13 13-0202	EA		For 1 Foot Extension Of New Door Frame.....	26.12	
08 12 16			Aluminum Frames (08 12)		
08 12 16 00-0001			Aluminum 1/8" Two Pieces (08 12 16)		
08 12 16 00-0002			4-1/8" x 3/8" (08 12 16 00-0001)		
08 12 16 00-0003	EA		2 Piece Aluminum Door Frame, 2'-2" x 6'-9" Opening 4-1/8" x 3/8" x 1/8" With Semicircular Head.....	931.40	49.73
08 12 16 00-0004	EA		2 Piece Aluminum Door Frame, 2'-6" x 6'-9" Opening 4-1/8" x 3/8" x 1/8" With Semicircular Head.....	931.40	49.73
08 12 16 00-0005			4-3/4" x 1-3/8" (08 12 16 00-0001)		
08 12 16 00-0006	EA		2 Piece Aluminum Door Frame, 2'-2" x 6'-9" Opening 4-3/4" x 1-3/8" x 1/8" With Semicircular Head.....	931.40	49.73
08 12 16 00-0007	EA		2 Piece Aluminum Door Frame, 2'-6" x 6'-9" Opening 4-3/4" x 1-3/8" x 1/8" With Semicircular Head.....	931.40	49.73
08 13			Metal Doors (08 10)		
			Note: Includes machining for all hardware. Excludes finish hardware. See CSI section 08 70 00 00-0000 for finish hardware.		
08 13 13			Hollow Metal Doors (08 13)		
08 13 13 13			Standard Hollow Metal Doors (08 13 13)		
			Note: Full flush, impregnated honeycomb core, epoxy baked-on primer.		
08 13 13 13-0001			20 Gauge 1-3/4" Unrated Door (08 13 13 13)		
08 13 13 13-0002			6'-8" High (08 13 13 13-0001)		



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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13 13-0003 EA 2' x 6'-8" x 1-3/4" 20 Gauge Metal Door (Unrated).....	434.96	49.73
For Composite Door Instead Of Full Panel Door, Add	15.10	
For Type 304 Stainless Steel Door, Add	273.37	
For Type 316 Stainless Steel Door, Add	441.11	
For Embossed Panel, Add	80.52	
For Galvanized Steel, Add	50.32	
For Baked Enamel Finish, Add	160.33	
For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
For 45 Minutes Rated Door And FM Label, Add	41.40	
For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
For >50 To 100, Deduct	-24.23	
For >100, Deduct	-35.11	
For Insulated Door (Polystyrene Core), Add	33.55	
For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	83.87	
For Seamless Edge (Welded), Add	41.94	
08 13 13 13-0004 EA 2'-4" x 6'-8" x 1-3/4" 20 Gauge Metal Door (Unrated).....	434.96	49.73
For Composite Door Instead Of Full Panel Door, Add	15.10	
For Type 304 Stainless Steel Door, Add	273.37	
For Type 316 Stainless Steel Door, Add	441.11	
For Embossed Panel, Add	80.52	
For Galvanized Steel, Add	50.32	
For Baked Enamel Finish, Add	160.33	
For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
For 45 Minutes Rated Door And FM Label, Add	41.40	
For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
For >50 To 100, Deduct	-24.23	
For >100, Deduct	-35.11	
For Insulated Door (Polystyrene Core), Add	33.55	
For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	83.87	
For Seamless Edge (Welded), Add	41.94	
08 13 13 13-0005 EA 2'-6" x 6'-8" x 1-3/4" 20 Gauge Metal Door (Unrated).....	446.34	52.00
For Composite Door Instead Of Full Panel Door, Add	15.41	
For Type 304 Stainless Steel Door, Add	279.08	
For Type 316 Stainless Steel Door, Add	450.25	
For Embossed Panel, Add	82.16	
For Galvanized Steel, Add	51.35	
For Baked Enamel Finish, Add	165.10	
For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
For 45 Minutes Rated Door And FM Label, Add	41.40	
For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
For >50 To 100, Deduct	-24.92	
For >100, Deduct	-36.08	
For Insulated Door (Polystyrene Core), Add	34.24	
For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	85.59	
For Seamless Edge (Welded), Add	42.79	
08 13 13 13-0006 EA 2'-8" x 6'-8" x 1-3/4" 20 Gauge Metal Door (Unrated).....	451.45	52.00
For Composite Door Instead Of Full Panel Door, Add	15.64	
For Type 304 Stainless Steel Door, Add	283.17	
For Type 316 Stainless Steel Door, Add	456.90	
For Embossed Panel, Add	83.39	
For Galvanized Steel, Add	52.12	
For Baked Enamel Finish, Add	166.63	
For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
For 45 Minutes Rated Door And FM Label, Add	41.40	
For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
For >50 To 100, Deduct	-25.17	
For >100, Deduct	-36.46	
For Insulated Door (Polystyrene Core), Add	34.75	
For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	86.67	
For Seamless Edge (Welded), Add	43.43	
08 13 13 13-0007 EA 2'-10" x 6'-8" x 1-3/4" 20 Gauge Metal Door (Unrated).....	455.77	53.12
For Composite Door Instead Of Full Panel Door, Add	15.73	
For Type 304 Stainless Steel Door, Add	284.92	
For Type 316 Stainless Steel Door, Add	459.68	
For Embossed Panel, Add	83.88	
For Galvanized Steel, Add	52.43	
For Baked Enamel Finish, Add	168.61	
For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
For 45 Minutes Rated Door And FM Label, Add	41.40	
For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
For >50 To 100, Deduct	-25.45	
For >100, Deduct	-36.84	
For Insulated Door (Polystyrene Core), Add	34.95	
For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	87.38	
For Seamless Edge (Welded), Add	43.69	

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MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13	13-0008	EA	3' x 6'-8" x 1-3/4" 20 Gauge Metal Door (Unrated).....	460.06	54.26
			<i>For Composite Door Instead Of Full Panel Door, Add</i>	15.82	
			<i>For Type 304 Stainless Steel Door, Add</i>	286.67	
			<i>For Type 316 Stainless Steel Door, Add</i>	462.44	
			<i>For Embossed Panel, Add</i>	84.37	
			<i>For Galvanized Steel, Add</i>	52.73	
			<i>For Baked Enamel Finish, Add</i>	170.57	
			<i>For 20 Minutes To 30 Minutes Rated Door And FM Label, Add</i>	27.63	
			<i>For 45 Minutes Rated Door And FM Label, Add</i>	41.40	
			<i>For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add</i>	55.27	
			<i>For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add</i>	93.38	
			<i>For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add</i>	131.50	
			<i>For >50 To 100, Deduct</i>	-25.72	
			<i>For >100, Deduct</i>	-37.22	
			<i>For Insulated Door (Polystyrene Core), Add</i>	35.16	
			<i>For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add</i>	87.89	
			<i>For Seamless Edge (Welded), Add</i>	43.94	
08 13 13	13-0009	EA	3'-4" x 6'-8" x 1-3/4" 20 Gauge Metal Door (Unrated)	486.63	54.26
			<i>For Composite Door Instead Of Full Panel Door, Add</i>	17.02	
			<i>For Type 304 Stainless Steel Door, Add</i>	307.92	
			<i>For Type 316 Stainless Steel Door, Add</i>	496.98	
			<i>For Embossed Panel, Add</i>	90.75	
			<i>For Galvanized Steel, Add</i>	56.72	
			<i>For Baked Enamel Finish, Add</i>	178.54	
			<i>For 20 Minutes To 30 Minutes Rated Door And FM Label, Add</i>	27.63	
			<i>For 45 Minutes Rated Door And FM Label, Add</i>	41.40	
			<i>For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add</i>	55.27	
			<i>For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add</i>	93.38	
			<i>For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add</i>	131.50	
			<i>For >50 To 100, Deduct</i>	-27.04	
			<i>For >100, Deduct</i>	-39.21	
			<i>For Insulated Door (Polystyrene Core), Add</i>	37.81	
			<i>For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add</i>	94.53	
			<i>For Seamless Edge (Welded), Add</i>	47.27	
08 13 13	13-0010	EA	3'-6" x 6'-8" x 1-3/4" 20 Gauge Metal Door (Unrated)	501.38	56.51
			<i>For Composite Door Instead Of Full Panel Door, Add</i>	17.48	
			<i>For Type 304 Stainless Steel Door, Add</i>	316.32	
			<i>For Type 316 Stainless Steel Door, Add</i>	510.49	
			<i>For Embossed Panel, Add</i>	93.20	
			<i>For Galvanized Steel, Add</i>	58.25	
			<i>For Baked Enamel Finish, Add</i>	184.33	
			<i>For 20 Minutes To 30 Minutes Rated Door And FM Label, Add</i>	27.63	
			<i>For 45 Minutes Rated Door And FM Label, Add</i>	41.40	
			<i>For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add</i>	55.27	
			<i>For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add</i>	93.38	
			<i>For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add</i>	131.50	
			<i>For >50 To 100, Deduct</i>	-27.90	
			<i>For >100, Deduct</i>	-40.43	
			<i>For Insulated Door (Polystyrene Core), Add</i>	38.83	
			<i>For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add</i>	97.09	
			<i>For Seamless Edge (Welded), Add</i>	48.54	
08 13 13	13-0011	EA	4' x 6'-8" x 1-3/4" 20 Gauge Metal Door (Unrated).....	551.30	61.04
			<i>For Composite Door Instead Of Full Panel Door, Add</i>	19.31	
			<i>For Type 304 Stainless Steel Door, Add</i>	349.48	
			<i>For Type 316 Stainless Steel Door, Add</i>	564.09	
			<i>For Embossed Panel, Add</i>	103.01	
			<i>For Galvanized Steel, Add</i>	64.38	
			<i>For Baked Enamel Finish, Add</i>	202.01	
			<i>For 20 Minutes To 30 Minutes Rated Door And FM Label, Add</i>	27.63	
			<i>For 45 Minutes Rated Door And FM Label, Add</i>	41.40	
			<i>For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add</i>	55.27	
			<i>For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add</i>	93.38	
			<i>For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add</i>	131.50	
			<i>For >50 To 100, Deduct</i>	-30.62	
			<i>For >100, Deduct</i>	-44.40	
			<i>For Insulated Door (Polystyrene Core), Add</i>	42.92	
			<i>For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add</i>	107.31	
			<i>For Seamless Edge (Welded), Add</i>	53.65	
08 13 13	13-0012	PR	Pair 2'-6" x 6'-8" x 1-3/4" 20 Gauge Metal Door (Unrated).....	882.29	98.79
			<i>For Composite Door Instead Of Full Panel Door, Add</i>	30.81	
			<i>For Type 304 Stainless Steel Door, Add</i>	557.65	
			<i>For Type 316 Stainless Steel Door, Add</i>	900.00	
			<i>For Embossed Panel, Add</i>	164.33	
			<i>For Galvanized Steel, Add</i>	102.71	
			<i>For Baked Enamel Finish, Add</i>	323.96	
			<i>For 20 Minutes To 30 Minutes Rated Door And FM Label, Add</i>	27.63	
			<i>For 45 Minutes Rated Door And FM Label, Add</i>	41.40	
			<i>For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add</i>	55.27	
			<i>For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add</i>	93.38	
			<i>For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add</i>	131.50	
			<i>For >50 To 100, Deduct</i>	-49.05	
			<i>For >100, Deduct</i>	-71.11	
			<i>For Insulated Door (Polystyrene Core), Add</i>	68.47	
			<i>For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add</i>	171.18	
			<i>For Seamless Edge (Welded), Add</i>	85.59	



Openings	08	08
Doors And Frames	08 10	
Metal Doors	08 13	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13 13-0013 PR Pair 2'-8" x 6'-8" x 1-3/4" 20 Gauge Metal Door (Unrated).....	892.51	98.79
For Composite Door Instead Of Full Panel Door, Add	31.27	
For Type 304 Stainless Steel Door, Add	565.82	
For Type 316 Stainless Steel Door, Add	913.29	
For Embossed Panel, Add	166.78	
For Galvanized Steel, Add	104.24	
For Baked Enamel Finish, Add	327.03	
For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
For 45 Minutes Rated Door And FM Label, Add	41.40	
For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
For >50 To 100, Deduct	-49.57	
For >100, Deduct	-71.88	
For Insulated Door (Polystyrene Core), Add	69.49	
For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	173.73	
For Seamless Edge (Welded), Add	86.87	
08 13 13 13-0014 PR Pair 2'-10" x 6'-8" x 1-3/4" 20 Gauge Metal Door (Unrated).....	875.35	88.17
For Composite Door Instead Of Full Panel Door, Add	31.46	
For Type 304 Stainless Steel Door, Add	568.03	
For Type 316 Stainless Steel Door, Add	917.53	
For Embossed Panel, Add	167.76	
For Galvanized Steel, Add	104.85	
For Baked Enamel Finish, Add	315.51	
For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
For 45 Minutes Rated Door And FM Label, Add	41.40	
For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
For >50 To 100, Deduct	-48.18	
For >100, Deduct	-70.06	
For Insulated Door (Polystyrene Core), Add	69.90	
For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	174.75	
For Seamless Edge (Welded), Add	87.38	
08 13 13 13-0015 PR Pair 3' x 6'-8" x 1-3/4" 20 Gauge Metal Door (Unrated).....	909.27	103.09
For Composite Door Instead Of Full Panel Door, Add	31.64	
For Type 304 Stainless Steel Door, Add	572.79	
For Type 316 Stainless Steel Door, Add	924.34	
For Embossed Panel, Add	168.74	
For Galvanized Steel, Add	105.47	
For Baked Enamel Finish, Add	334.63	
For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
For 45 Minutes Rated Door And FM Label, Add	41.40	
For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
For >50 To 100, Deduct	-50.62	
For >100, Deduct	-73.35	
For Insulated Door (Polystyrene Core), Add	70.31	
For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	175.78	
For Seamless Edge (Welded), Add	87.89	
08 13 13 13-0016 PR Pair 3'-6" x 6'-8" x 1-3/4" 20 Gauge Metal Door (Unrated).....	991.44	107.38
For Composite Door Instead Of Full Panel Door, Add	34.95	
For Type 304 Stainless Steel Door, Add	632.08	
For Type 316 Stainless Steel Door, Add	1,020.42	
For Embossed Panel, Add	186.40	
For Galvanized Steel, Add	116.50	
For Baked Enamel Finish, Add	361.86	
For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
For 45 Minutes Rated Door And FM Label, Add	41.40	
For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
For >50 To 100, Deduct	-54.94	
For >100, Deduct	-79.73	
For Insulated Door (Polystyrene Core), Add	77.67	
For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	194.17	
For Seamless Edge (Welded), Add	97.09	
08 13 13 13-0017 PR Pair 4' x 6'-8" x 1-3/4" 20 Gauge Metal Door (Unrated).....	1,090.39	115.97
For Composite Door Instead Of Full Panel Door, Add	38.63	
For Type 304 Stainless Steel Door, Add	698.35	
For Type 316 Stainless Steel Door, Add	1,127.57	
For Embossed Panel, Add	206.03	
For Galvanized Steel, Add	128.77	
For Baked Enamel Finish, Add	396.70	
For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
For 45 Minutes Rated Door And FM Label, Add	41.40	
For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
For >50 To 100, Deduct	-60.32	
For >100, Deduct	-87.58	
For Insulated Door (Polystyrene Core), Add	85.84	
For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	214.61	
For Seamless Edge (Welded), Add	107.31	

08 Openings
08 10 Doors And Frames
08 13 Metal Doors



MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
08 13 13 13-0018	7' High (08 13 13 13-0001)		
08 13 13 13-0019	EA 2' x 7' x 1-3/4" 20 Gauge Metal Door (Unrated)	443.75	49.73
	For Composite Door Instead Of Full Panel Door, Add	15.49	
	For Type 304 Stainless Steel Door, Add	280.40	
	For Type 316 Stainless Steel Door, Add	452.54	
	For Embossed Panel, Add	82.63	
	For Galvanized Steel, Add	51.64	
	For Baked Enamel Finish, Add	162.97	
	For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
	For 45 Minutes Rated Door And FM Label, Add	41.40	
	For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
	For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
	For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
	For >50 To 100, Deduct	-24.67	
	For >100, Deduct	-35.77	
	For Insulated Door (Polystyrene Core), Add	34.43	
	For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	86.07	
	For Seamless Edge (Welded), Add	43.04	
08 13 13 13-0020	EA 2'-6" x 7' x 1-3/4" 20 Gauge Metal Door (Unrated).....	443.75	49.73
	For Composite Door Instead Of Full Panel Door, Add	15.49	
	For Type 304 Stainless Steel Door, Add	280.40	
	For Type 316 Stainless Steel Door, Add	452.54	
	For Embossed Panel, Add	82.63	
	For Galvanized Steel, Add	51.64	
	For Baked Enamel Finish, Add	162.97	
	For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
	For 45 Minutes Rated Door And FM Label, Add	41.40	
	For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
	For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
	For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
	For >50 To 100, Deduct	-24.67	
	For >100, Deduct	-35.77	
	For Insulated Door (Polystyrene Core), Add	34.43	
	For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	86.07	
	For Seamless Edge (Welded), Add	43.04	
08 13 13 13-0021	EA 2'-6" x 7' x 1-3/4" 20 Gauge Metal Door (Unrated).....	455.31	52.00
	For Composite Door Instead Of Full Panel Door, Add	15.81	
	For Type 304 Stainless Steel Door, Add	286.26	
	For Type 316 Stainless Steel Door, Add	461.92	
	For Embossed Panel, Add	84.32	
	For Galvanized Steel, Add	52.70	
	For Baked Enamel Finish, Add	167.79	
	For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
	For 45 Minutes Rated Door And FM Label, Add	41.40	
	For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
	For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
	For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
	For >50 To 100, Deduct	-25.37	
	For >100, Deduct	-36.75	
	For Insulated Door (Polystyrene Core), Add	35.13	
	For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	87.83	
	For Seamless Edge (Welded), Add	43.92	
08 13 13 13-0022	EA 2'-8" x 7' x 1-3/4" 20 Gauge Metal Door (Unrated).....	460.56	52.00
	For Composite Door Instead Of Full Panel Door, Add	16.05	
	For Type 304 Stainless Steel Door, Add	290.46	
	For Type 316 Stainless Steel Door, Add	468.74	
	For Embossed Panel, Add	85.58	
	For Galvanized Steel, Add	53.49	
	For Baked Enamel Finish, Add	169.37	
	For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
	For 45 Minutes Rated Door And FM Label, Add	41.40	
	For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
	For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
	For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
	For >50 To 100, Deduct	-25.63	
	For >100, Deduct	-37.14	
	For Insulated Door (Polystyrene Core), Add	35.66	
	For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	89.14	
	For Seamless Edge (Welded), Add	44.57	
08 13 13 13-0023	EA 2'-10" x 7' x 1-3/4" 20 Gauge Metal Door (Unrated).....	464.92	53.12
	For Composite Door Instead Of Full Panel Door, Add	16.14	
	For Type 304 Stainless Steel Door, Add	292.24	
	For Type 316 Stainless Steel Door, Add	471.57	
	For Embossed Panel, Add	86.08	
	For Galvanized Steel, Add	53.80	
	For Baked Enamel Finish, Add	171.35	
	For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
	For 45 Minutes Rated Door And FM Label, Add	41.40	
	For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
	For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
	For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
	For >50 To 100, Deduct	-25.90	
	For >100, Deduct	-37.53	
	For Insulated Door (Polystyrene Core), Add	35.87	
	For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	89.67	
	For Seamless Edge (Welded), Add	44.83	



Openings	08	08
Doors And Frames	08 10	
Metal Doors	08 13	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13 13-0024 EA 3' x 7' x 1-3/4" 20 Gauge Metal Door (Unrated)	469.27	54.26
For Composite Door Instead Of Full Panel Door, Add	16.23	
For Type 304 Stainless Steel Door, Add	294.03	
For Type 316 Stainless Steel Door, Add	474.41	
For Embossed Panel, Add	86.58	
For Galvanized Steel, Add	54.11	
For Baked Enamel Finish, Add	173.33	
For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
For 45 Minutes Rated Door And FM Label, Add	41.40	
For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
For >50 To 100, Deduct	-26.18	
For >100, Deduct	-37.91	
For Insulated Door (Polystyrene Core), Add	36.08	
For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	90.19	
For Seamless Edge (Welded), Add	45.10	
08 13 13 13-0025 EA 3'-4" x 7' x 1-3/4" 20 Gauge Metal Door (Unrated)	496.54	54.26
For Composite Door Instead Of Full Panel Door, Add	17.46	
For Type 304 Stainless Steel Door, Add	315.85	
For Type 316 Stainless Steel Door, Add	509.86	
For Embossed Panel, Add	93.13	
For Galvanized Steel, Add	58.20	
For Baked Enamel Finish, Add	181.52	
For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
For 45 Minutes Rated Door And FM Label, Add	41.40	
For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
For >50 To 100, Deduct	-27.54	
For >100, Deduct	-39.95	
For Insulated Door (Polystyrene Core), Add	38.80	
For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	97.01	
For Seamless Edge (Welded), Add	48.50	
08 13 13 13-0026 EA 3'-6" x 7' x 1-3/4" 20 Gauge Metal Door (Unrated)	511.56	56.51
For Composite Door Instead Of Full Panel Door, Add	17.93	
For Type 304 Stainless Steel Door, Add	324.47	
For Type 316 Stainless Steel Door, Add	523.73	
For Embossed Panel, Add	95.64	
For Galvanized Steel, Add	59.78	
For Baked Enamel Finish, Add	187.38	
For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
For 45 Minutes Rated Door And FM Label, Add	41.40	
For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
For >50 To 100, Deduct	-28.40	
For >100, Deduct	-41.19	
For Insulated Door (Polystyrene Core), Add	39.85	
For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	99.63	
For Seamless Edge (Welded), Add	49.82	
08 13 13 13-0027 EA 4' x 7' x 1-3/4" 20 Gauge Metal Door (Unrated)	562.54	61.04
For Composite Door Instead Of Full Panel Door, Add	19.82	
For Type 304 Stainless Steel Door, Add	358.47	
For Type 316 Stainless Steel Door, Add	578.70	
For Embossed Panel, Add	105.71	
For Galvanized Steel, Add	66.07	
For Baked Enamel Finish, Add	205.39	
For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
For 45 Minutes Rated Door And FM Label, Add	41.40	
For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
For >50 To 100, Deduct	-31.18	
For >100, Deduct	-45.24	
For Insulated Door (Polystyrene Core), Add	44.05	
For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	110.12	
For Seamless Edge (Welded), Add	55.06	
08 13 13 13-0028 PR Pair 2'-6" x 7' x 1-3/4" 20 Gauge Metal Door (Unrated)	900.23	98.79
For Composite Door Instead Of Full Panel Door, Add	31.62	
For Type 304 Stainless Steel Door, Add	572.00	
For Type 316 Stainless Steel Door, Add	923.32	
For Embossed Panel, Add	168.64	
For Galvanized Steel, Add	105.40	
For Baked Enamel Finish, Add	329.34	
For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
For 45 Minutes Rated Door And FM Label, Add	41.40	
For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
For >50 To 100, Deduct	-49.95	
For >100, Deduct	-72.46	
For Insulated Door (Polystyrene Core), Add	70.27	
For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	175.66	
For Seamless Edge (Welded), Add	87.83	

08	Openings
08 10	Doors And Frames
08 13	Metal Doors



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13-0029	PR		Pair 2'-8" x 7' x 1-3/4" 20 Gauge Metal Door (Unrated)	910.71	98.79
			<i>For Composite Door Instead Of Full Panel Door, Add</i>	32.09	
			<i>For Type 304 Stainless Steel Door, Add</i>	580.38	
			<i>For Type 316 Stainless Steel Door, Add</i>	936.95	
			<i>For Embossed Panel, Add</i>	171.15	
			<i>For Galvanized Steel, Add</i>	106.97	
			<i>For Baked Enamel Finish, Add</i>	332.49	
			<i>For 20 Minutes To 30 Minutes Rated Door And FM Label, Add</i>	27.63	
			<i>For 45 Minutes Rated Door And FM Label, Add</i>	41.40	
			<i>For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add</i>	55.27	
			<i>For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add</i>	93.38	
			<i>For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add</i>	131.50	
			<i>For >50 To 100, Deduct</i>	-50.48	
			<i>For >100, Deduct</i>	-73.24	
			<i>For Insulated Door (Polystyrene Core), Add</i>	71.31	
			<i>For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add</i>	178.28	
			<i>For Seamless Edge (Welded), Add</i>	89.14	
08 13 13-0030	PR		Pair 2'-10" x 7' x 1-3/4" 20 Gauge Metal Door (Unrated)	893.67	88.17
			<i>For Composite Door Instead Of Full Panel Door, Add</i>	32.28	
			<i>For Type 304 Stainless Steel Door, Add</i>	582.68	
			<i>For Type 316 Stainless Steel Door, Add</i>	941.35	
			<i>For Embossed Panel, Add</i>	172.16	
			<i>For Galvanized Steel, Add</i>	107.60	
			<i>For Baked Enamel Finish, Add</i>	321.00	
			<i>For 20 Minutes To 30 Minutes Rated Door And FM Label, Add</i>	27.63	
			<i>For 45 Minutes Rated Door And FM Label, Add</i>	41.40	
			<i>For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add</i>	55.27	
			<i>For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add</i>	93.38	
			<i>For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add</i>	131.50	
			<i>For >50 To 100, Deduct</i>	-49.09	
			<i>For >100, Deduct</i>	-71.43	
			<i>For Insulated Door (Polystyrene Core), Add</i>	71.73	
			<i>For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add</i>	179.33	
			<i>For Seamless Edge (Welded), Add</i>	89.67	
08 13 13-0031	PR		Pair 3' x 7' x 1-3/4" 20 Gauge Metal Door (Unrated)	927.69	103.09
			<i>For Composite Door Instead Of Full Panel Door, Add</i>	32.47	
			<i>For Type 304 Stainless Steel Door, Add</i>	587.52	
			<i>For Type 316 Stainless Steel Door, Add</i>	948.28	
			<i>For Embossed Panel, Add</i>	173.16	
			<i>For Galvanized Steel, Add</i>	108.23	
			<i>For Baked Enamel Finish, Add</i>	340.16	
			<i>For 20 Minutes To 30 Minutes Rated Door And FM Label, Add</i>	27.63	
			<i>For 45 Minutes Rated Door And FM Label, Add</i>	41.40	
			<i>For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add</i>	55.27	
			<i>For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add</i>	93.38	
			<i>For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add</i>	131.50	
			<i>For >50 To 100, Deduct</i>	-51.54	
			<i>For >100, Deduct</i>	-74.73	
			<i>For Insulated Door (Polystyrene Core), Add</i>	72.15	
			<i>For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add</i>	180.38	
			<i>For Seamless Edge (Welded), Add</i>	90.19	
08 13 13-0032	PR		Pair 3'-6" x 7' x 1-3/4" 20 Gauge Metal Door (Unrated)	1,011.79	107.38
			<i>For Composite Door Instead Of Full Panel Door, Add</i>	35.87	
			<i>For Type 304 Stainless Steel Door, Add</i>	648.36	
			<i>For Type 316 Stainless Steel Door, Add</i>	1,046.88	
			<i>For Embossed Panel, Add</i>	191.29	
			<i>For Galvanized Steel, Add</i>	119.55	
			<i>For Baked Enamel Finish, Add</i>	367.97	
			<i>For 20 Minutes To 30 Minutes Rated Door And FM Label, Add</i>	27.63	
			<i>For 45 Minutes Rated Door And FM Label, Add</i>	41.40	
			<i>For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add</i>	55.27	
			<i>For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add</i>	93.38	
			<i>For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add</i>	131.50	
			<i>For >50 To 100, Deduct</i>	-55.96	
			<i>For >100, Deduct</i>	-81.25	
			<i>For Insulated Door (Polystyrene Core), Add</i>	79.70	
			<i>For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add</i>	199.26	
			<i>For Seamless Edge (Welded), Add</i>	99.63	
08 13 13-0033	PR		Pair 4' x 7' x 1-3/4" 20 Gauge Metal Door (Unrated)	1,112.88	115.97
			<i>For Composite Door Instead Of Full Panel Door, Add</i>	39.64	
			<i>For Type 304 Stainless Steel Door, Add</i>	716.34	
			<i>For Type 316 Stainless Steel Door, Add</i>	1,156.81	
			<i>For Embossed Panel, Add</i>	211.42	
			<i>For Galvanized Steel, Add</i>	132.14	
			<i>For Baked Enamel Finish, Add</i>	403.45	
			<i>For 20 Minutes To 30 Minutes Rated Door And FM Label, Add</i>	27.63	
			<i>For 45 Minutes Rated Door And FM Label, Add</i>	41.40	
			<i>For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add</i>	55.27	
			<i>For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add</i>	93.38	
			<i>For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add</i>	131.50	
			<i>For >50 To 100, Deduct</i>	-61.44	
			<i>For >100, Deduct</i>	-89.26	
			<i>For Insulated Door (Polystyrene Core), Add</i>	88.09	
			<i>For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add</i>	220.23	
			<i>For Seamless Edge (Welded), Add</i>	110.12	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
				08 13 13 13-0034 7'-2" High <small>(08 13 13 13-0001)</small>		
	08 13 13 13-0035	EA		2' x 7'-2" x 1-3/4" 20 Gauge Metal Door (Unrated).....	452.29	49.73
				<i>For Composite Door Instead Of Full Panel Door, Add</i>	15.88	
				<i>For Type 304 Stainless Steel Door, Add</i>	287.23	
				<i>For Type 316 Stainless Steel Door, Add</i>	463.64	
				<i>For Embossed Panel, Add</i>	84.68	
				<i>For Galvanized Steel, Add</i>	52.92	
				<i>For Baked Enamel Finish, Add</i>	165.53	
				<i>For 20 Minutes To 30 Minutes Rated Door And FM Label, Add</i>	27.63	
				<i>For 45 Minutes Rated Door And FM Label, Add</i>	41.40	
				<i>For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add</i>	55.27	
				<i>For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add</i>	93.38	
				<i>For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add</i>	131.50	
				<i>For >50 To 100, Deduct</i>	-25.10	
				<i>For >100, Deduct</i>	-36.41	
				<i>For Insulated Door (Polystyrene Core), Add</i>	35.28	
				<i>For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add</i>	88.21	
				<i>For Seamless Edge (Welded), Add</i>	44.10	
	08 13 13 13-0036	EA		2'-4" x 7'-2" x 1-3/4" 20 Gauge Metal Door (Unrated).....	452.29	49.73
				<i>For Composite Door Instead Of Full Panel Door, Add</i>	15.88	
				<i>For Type 304 Stainless Steel Door, Add</i>	287.23	
				<i>For Type 316 Stainless Steel Door, Add</i>	463.64	
				<i>For Embossed Panel, Add</i>	84.68	
				<i>For Galvanized Steel, Add</i>	52.92	
				<i>For Baked Enamel Finish, Add</i>	165.53	
				<i>For 20 Minutes To 30 Minutes Rated Door And FM Label, Add</i>	27.63	
				<i>For 45 Minutes Rated Door And FM Label, Add</i>	41.40	
				<i>For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add</i>	55.27	
				<i>For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add</i>	93.38	
				<i>For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add</i>	131.50	
				<i>For >50 To 100, Deduct</i>	-25.10	
				<i>For >100, Deduct</i>	-36.41	
				<i>For Insulated Door (Polystyrene Core), Add</i>	35.28	
				<i>For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add</i>	88.21	
				<i>For Seamless Edge (Welded), Add</i>	44.10	
	08 13 13 13-0037	EA		2'-6" x 7'-2" x 1-3/4" 20 Gauge Metal Door (Unrated).....	464.03	52.00
				<i>For Composite Door Instead Of Full Panel Door, Add</i>	16.20	
				<i>For Type 304 Stainless Steel Door, Add</i>	293.23	
				<i>For Type 316 Stainless Steel Door, Add</i>	473.25	
				<i>For Embossed Panel, Add</i>	86.41	
				<i>For Galvanized Steel, Add</i>	54.01	
				<i>For Baked Enamel Finish, Add</i>	170.41	
				<i>For 20 Minutes To 30 Minutes Rated Door And FM Label, Add</i>	27.63	
				<i>For 45 Minutes Rated Door And FM Label, Add</i>	41.40	
				<i>For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add</i>	55.27	
				<i>For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add</i>	93.38	
				<i>For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add</i>	131.50	
				<i>For >50 To 100, Deduct</i>	-25.80	
				<i>For >100, Deduct</i>	-37.40	
				<i>For Insulated Door (Polystyrene Core), Add</i>	36.00	
				<i>For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add</i>	90.01	
				<i>For Seamless Edge (Welded), Add</i>	45.01	
	08 13 13 13-0038	EA		2'-8" x 7'-2" x 1-3/4" 20 Gauge Metal Door (Unrated).....	469.40	52.00
				<i>For Composite Door Instead Of Full Panel Door, Add</i>	16.44	
				<i>For Type 304 Stainless Steel Door, Add</i>	297.53	
				<i>For Type 316 Stainless Steel Door, Add</i>	480.23	
				<i>For Embossed Panel, Add</i>	87.70	
				<i>For Galvanized Steel, Add</i>	54.81	
				<i>For Baked Enamel Finish, Add</i>	172.02	
				<i>For 20 Minutes To 30 Minutes Rated Door And FM Label, Add</i>	27.63	
				<i>For 45 Minutes Rated Door And FM Label, Add</i>	41.40	
				<i>For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add</i>	55.27	
				<i>For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add</i>	93.38	
				<i>For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add</i>	131.50	
				<i>For >50 To 100, Deduct</i>	-26.07	
				<i>For >100, Deduct</i>	-37.80	
				<i>For Insulated Door (Polystyrene Core), Add</i>	36.54	
				<i>For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add</i>	91.35	
				<i>For Seamless Edge (Welded), Add</i>	45.68	
	08 13 13 13-0039	EA		2'-10" x 7'-2" x 1-3/4" 20 Gauge Metal Door (Unrated).....	473.82	53.12
				<i>For Composite Door Instead Of Full Panel Door, Add</i>	16.54	
				<i>For Type 304 Stainless Steel Door, Add</i>	299.36	
				<i>For Type 316 Stainless Steel Door, Add</i>	483.14	
				<i>For Embossed Panel, Add</i>	88.21	
				<i>For Galvanized Steel, Add</i>	55.13	
				<i>For Baked Enamel Finish, Add</i>	174.02	
				<i>For 20 Minutes To 30 Minutes Rated Door And FM Label, Add</i>	27.63	
				<i>For 45 Minutes Rated Door And FM Label, Add</i>	41.40	
				<i>For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add</i>	55.27	
				<i>For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add</i>	93.38	
				<i>For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add</i>	131.50	
				<i>For >50 To 100, Deduct</i>	-26.35	
				<i>For >100, Deduct</i>	-38.19	
				<i>For Insulated Door (Polystyrene Core), Add</i>	36.76	
				<i>For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add</i>	91.89	
				<i>For Seamless Edge (Welded), Add</i>	45.95	

08	Openings
08 10	Doors And Frames
08 13	Metal Doors



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13	13-0040	EA	3' x 7'-2" x 1-3/4" 20 Gauge Metal Door (Unrated).....	478.22	54.26
			<i>For Composite Door Instead Of Full Panel Door, Add</i>	16.64	
			<i>For Type 304 Stainless Steel Door, Add</i>	301.19	
			<i>For Type 316 Stainless Steel Door, Add</i>	486.05	
			<i>For Embossed Panel, Add</i>	88.73	
			<i>For Galvanized Steel, Add</i>	55.46	
			<i>For Baked Enamel Finish, Add</i>	176.02	
			<i>For 20 Minutes To 30 Minutes Rated Door And FM Label, Add</i>	27.63	
			<i>For 45 Minutes Rated Door And FM Label, Add</i>	41.40	
			<i>For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add</i>	55.27	
			<i>For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add</i>	93.38	
			<i>For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add</i>	131.50	
			<i>For >50 To 100, Deduct</i>	-26.62	
			<i>For >100, Deduct</i>	-38.58	
			<i>For Insulated Door (Polystyrene Core), Add</i>	36.97	
			<i>For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add</i>	92.43	
			<i>For Seamless Edge (Welded), Add</i>	46.21	
08 13 13	13-0041	EA	3'-4" x 7'-2" x 1-3/4" 20 Gauge Metal Door (Unrated)	506.16	54.26
			<i>For Composite Door Instead Of Full Panel Door, Add</i>	17.89	
			<i>For Type 304 Stainless Steel Door, Add</i>	323.55	
			<i>For Type 316 Stainless Steel Door, Add</i>	522.37	
			<i>For Embossed Panel, Add</i>	95.44	
			<i>For Galvanized Steel, Add</i>	59.65	
			<i>For Baked Enamel Finish, Add</i>	184.40	
			<i>For 20 Minutes To 30 Minutes Rated Door And FM Label, Add</i>	27.63	
			<i>For 45 Minutes Rated Door And FM Label, Add</i>	41.40	
			<i>For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add</i>	55.27	
			<i>For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add</i>	93.38	
			<i>For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add</i>	131.50	
			<i>For >50 To 100, Deduct</i>	-28.02	
			<i>For >100, Deduct</i>	-40.67	
			<i>For Insulated Door (Polystyrene Core), Add</i>	39.77	
			<i>For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add</i>	99.41	
			<i>For Seamless Edge (Welded), Add</i>	49.71	
08 13 13	13-0042	EA	3'-6" x 7'-2" x 1-3/4" 20 Gauge Metal Door (Unrated)	521.44	56.51
			<i>For Composite Door Instead Of Full Panel Door, Add</i>	18.38	
			<i>For Type 304 Stainless Steel Door, Add</i>	332.37	
			<i>For Type 316 Stainless Steel Door, Add</i>	536.57	
			<i>For Embossed Panel, Add</i>	98.02	
			<i>For Galvanized Steel, Add</i>	61.26	
			<i>For Baked Enamel Finish, Add</i>	190.34	
			<i>For 20 Minutes To 30 Minutes Rated Door And FM Label, Add</i>	27.63	
			<i>For 45 Minutes Rated Door And FM Label, Add</i>	41.40	
			<i>For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add</i>	55.27	
			<i>For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add</i>	93.38	
			<i>For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add</i>	131.50	
			<i>For >50 To 100, Deduct</i>	-28.90	
			<i>For >100, Deduct</i>	-41.93	
			<i>For Insulated Door (Polystyrene Core), Add</i>	40.84	
			<i>For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add</i>	102.10	
			<i>For Seamless Edge (Welded), Add</i>	51.05	
08 13 13	13-0043	EA	4' x 7'-2" x 1-3/4" 20 Gauge Metal Door (Unrated).....	573.47	61.04
			<i>For Composite Door Instead Of Full Panel Door, Add</i>	20.31	
			<i>For Type 304 Stainless Steel Door, Add</i>	367.22	
			<i>For Type 316 Stainless Steel Door, Add</i>	592.91	
			<i>For Embossed Panel, Add</i>	108.33	
			<i>For Galvanized Steel, Add</i>	67.71	
			<i>For Baked Enamel Finish, Add</i>	208.67	
			<i>For 20 Minutes To 30 Minutes Rated Door And FM Label, Add</i>	27.63	
			<i>For 45 Minutes Rated Door And FM Label, Add</i>	41.40	
			<i>For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add</i>	55.27	
			<i>For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add</i>	93.38	
			<i>For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add</i>	131.50	
			<i>For >50 To 100, Deduct</i>	-31.73	
			<i>For >100, Deduct</i>	-46.06	
			<i>For Insulated Door (Polystyrene Core), Add</i>	45.14	
			<i>For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add</i>	112.85	
			<i>For Seamless Edge (Welded), Add</i>	56.42	
08 13 13	13-0044	PR	Pair 2'-6" x 7'-2" x 1-3/4" 20 Gauge Metal Door (Unrated).....	917.65	98.79
			<i>For Composite Door Instead Of Full Panel Door, Add</i>	32.40	
			<i>For Type 304 Stainless Steel Door, Add</i>	585.94	
			<i>For Type 316 Stainless Steel Door, Add</i>	945.97	
			<i>For Embossed Panel, Add</i>	172.82	
			<i>For Galvanized Steel, Add</i>	108.01	
			<i>For Baked Enamel Finish, Add</i>	334.57	
			<i>For 20 Minutes To 30 Minutes Rated Door And FM Label, Add</i>	27.63	
			<i>For 45 Minutes Rated Door And FM Label, Add</i>	41.40	
			<i>For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add</i>	55.27	
			<i>For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add</i>	93.38	
			<i>For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add</i>	131.50	
			<i>For >50 To 100, Deduct</i>	-50.82	
			<i>For >100, Deduct</i>	-73.76	
			<i>For Insulated Door (Polystyrene Core), Add</i>	72.01	
			<i>For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add</i>	180.02	
			<i>For Seamless Edge (Welded), Add</i>	90.01	



	Openings	08
	Doors And Frames	08 10
	Metal Doors	08 13

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13 13-0045 PR Pair 2'-8" x 7'-2" x 1-3/4" 20 Gauge Metal Door (Unrated).....	928.40	98.79
For Composite Door Instead Of Full Panel Door, Add	32.89	
For Type 304 Stainless Steel Door, Add	594.54	
For Type 316 Stainless Steel Door, Add	959.95	
For Embossed Panel, Add	175.40	
For Galvanized Steel, Add	109.62	
For Baked Enamel Finish, Add	337.79	
For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
For 45 Minutes Rated Door And FM Label, Add	41.40	
For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
For >50 To 100, Deduct	-51.36	
For >100, Deduct	-74.57	
For Insulated Door (Polystyrene Core), Add	73.08	
For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	182.71	
For Seamless Edge (Welded), Add	91.35	
08 13 13 13-0046 PR Pair 2'-10" x 7'-2" x 1-3/4" 20 Gauge Metal Door (Unrated).....	911.46	88.17
For Composite Door Instead Of Full Panel Door, Add	33.08	
For Type 304 Stainless Steel Door, Add	596.91	
For Type 316 Stainless Steel Door, Add	964.47	
For Embossed Panel, Add	176.43	
For Galvanized Steel, Add	110.27	
For Baked Enamel Finish, Add	326.34	
For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
For 45 Minutes Rated Door And FM Label, Add	41.40	
For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
For >50 To 100, Deduct	-49.98	
For >100, Deduct	-72.77	
For Insulated Door (Polystyrene Core), Add	73.51	
For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	183.78	
For Seamless Edge (Welded), Add	91.89	
08 13 13 13-0047 PR Pair 3' x 7'-2" x 1-3/4" 20 Gauge Metal Door (Unrated).....	945.59	103.09
For Composite Door Instead Of Full Panel Door, Add	33.27	
For Type 304 Stainless Steel Door, Add	601.84	
For Type 316 Stainless Steel Door, Add	971.55	
For Embossed Panel, Add	177.46	
For Galvanized Steel, Add	110.91	
For Baked Enamel Finish, Add	345.53	
For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
For 45 Minutes Rated Door And FM Label, Add	41.40	
For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
For >50 To 100, Deduct	-52.43	
For >100, Deduct	-76.07	
For Insulated Door (Polystyrene Core), Add	73.94	
For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	184.86	
For Seamless Edge (Welded), Add	92.43	
08 13 13 13-0048 PR Pair 3'-6" x 7'-2" x 1-3/4" 20 Gauge Metal Door (Unrated).....	1,031.56	107.38
For Composite Door Instead Of Full Panel Door, Add	36.76	
For Type 304 Stainless Steel Door, Add	664.18	
For Type 316 Stainless Steel Door, Add	1,072.58	
For Embossed Panel, Add	196.03	
For Galvanized Steel, Add	122.52	
For Baked Enamel Finish, Add	373.90	
For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
For 45 Minutes Rated Door And FM Label, Add	41.40	
For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
For >50 To 100, Deduct	-56.95	
For >100, Deduct	-82.74	
For Insulated Door (Polystyrene Core), Add	81.68	
For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	204.20	
For Seamless Edge (Welded), Add	102.10	
08 13 13 13-0049 PR Pair 4' x 7'-2" x 1-3/4" 20 Gauge Metal Door (Unrated).....	1,134.73	115.97
For Composite Door Instead Of Full Panel Door, Add	40.63	
For Type 304 Stainless Steel Door, Add	733.82	
For Type 316 Stainless Steel Door, Add	1,185.21	
For Embossed Panel, Add	216.67	
For Galvanized Steel, Add	135.42	
For Baked Enamel Finish, Add	410.00	
For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
For 45 Minutes Rated Door And FM Label, Add	41.40	
For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
For >50 To 100, Deduct	-62.54	
For >100, Deduct	-90.90	
For Insulated Door (Polystyrene Core), Add	90.28	
For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	225.70	
For Seamless Edge (Welded), Add	112.85	

08 Openings**08 10 Doors And Frames****08 13 Metal Doors**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
08 13 13	13-0050	18 Gauge 1-3/4" Unrated Door <small>(08 13 13 13)</small>			
08 13 13	13-0051	6'-8" High <small>(08 13 13 13-0050)</small>			
08 13 13	13-0052	EA 2' x 6'-8" x 1-3/4" 18 Gauge Metal Door (Unrated).....	462.10		49.73
		For 18 Gauge, Grade II, Heavy Duty, Add	72.53		
		For Composite Door Instead Of Full Panel Door, Add	16.32		
		For Type 304 Stainless Steel Door, Add	295.08		
		For Type 316 Stainless Steel Door, Add	476.39		
		For Embossed Panel, Add	87.03		
		For Galvanized Steel, Add	54.39		
		For Baked Enamel Finish, Add	168.47		
		For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63		
		For 45 Minutes Rated Door And FM Label, Add	41.40		
		For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27		
		For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38		
		For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50		
		For >50 To 100, Deduct	-25.59		
		For >100, Deduct	-37.14		
		For 2" Thick Door, Add	28.78		
		For Insulated Door (Polystyrene Core), Add	36.26		
		For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	90.66		
		For Seamless Edge (Welded), Add	45.33		
		For Steel Stiffened, Add	90.66		
08 13 13	13-0053	EA 2'-4" x 6'-8" x 1-3/4" 18 Gauge Metal Door (Unrated)	462.10		49.73
		For 18 Gauge, Grade II, Heavy Duty, Add	72.53		
		For Composite Door Instead Of Full Panel Door, Add	16.32		
		For Type 304 Stainless Steel Door, Add	295.08		
		For Type 316 Stainless Steel Door, Add	476.39		
		For Embossed Panel, Add	87.03		
		For Galvanized Steel, Add	54.39		
		For Baked Enamel Finish, Add	168.47		
		For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63		
		For 45 Minutes Rated Door And FM Label, Add	41.40		
		For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27		
		For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38		
		For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50		
		For >50 To 100, Deduct	-25.59		
		For >100, Deduct	-37.14		
		For 2" Thick Door, Add	28.78		
		For Insulated Door (Polystyrene Core), Add	36.26		
		For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	90.66		
		For Seamless Edge (Welded), Add	45.33		
		For Steel Stiffened, Add	90.66		
08 13 13	13-0054	EA 2'-6" x 6'-8" x 1-3/4" 18 Gauge Metal Door (Unrated)	474.04		52.00
		For 18 Gauge, Grade II, Heavy Duty, Add	74.01		
		For Composite Door Instead Of Full Panel Door, Add	16.65		
		For Type 304 Stainless Steel Door, Add	301.24		
		For Type 316 Stainless Steel Door, Add	486.26		
		For Embossed Panel, Add	88.81		
		For Galvanized Steel, Add	55.51		
		For Baked Enamel Finish, Add	173.41		
		For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63		
		For 45 Minutes Rated Door And FM Label, Add	41.40		
		For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27		
		For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38		
		For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50		
		For >50 To 100, Deduct	-26.30		
		For >100, Deduct	-38.15		
		For 2" Thick Door, Add	29.43		
		For Insulated Door (Polystyrene Core), Add	37.01		
		For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	92.51		
		For Seamless Edge (Welded), Add	46.26		
		For Steel Stiffened, Add	92.51		
08 13 13	13-0055	EA 2'-8" x 6'-8" x 1-3/4" 18 Gauge Metal Door (Unrated)	479.56		52.00
		For 18 Gauge, Grade II, Heavy Duty, Add	75.11		
		For Composite Door Instead Of Full Panel Door, Add	16.90		
		For Type 304 Stainless Steel Door, Add	305.66		
		For Type 316 Stainless Steel Door, Add	493.44		
		For Embossed Panel, Add	90.14		
		For Galvanized Steel, Add	56.34		
		For Baked Enamel Finish, Add	175.07		
		For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63		
		For 45 Minutes Rated Door And FM Label, Add	41.40		
		For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27		
		For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38		
		For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50		
		For >50 To 100, Deduct	-26.58		
		For >100, Deduct	-38.57		
		For 2" Thick Door, Add	29.83		
		For Insulated Door (Polystyrene Core), Add	37.56		
		For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	93.89		
		For Seamless Edge (Welded), Add	46.95		
		For Steel Stiffened, Add	93.89		



Openings	08	08
Doors And Frames	08 10	
Metal Doors	08 13	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13 13-0056 EA 2'-10" x 6'-8" x 1-3/4" 18 Gauge Metal Door (Unrated)	484.04	53.12
For 18 Gauge, Grade II, Heavy Duty, Add	75.56	
For Composite Door Instead Of Full Panel Door, Add	17.00	
For Type 304 Stainless Steel Door, Add	307.54	
For Type 316 Stainless Steel Door, Add	496.43	
For Embossed Panel, Add	90.67	
For Galvanized Steel, Add	56.67	
For Baked Enamel Finish, Add	177.09	
For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
For 45 Minutes Rated Door And FM Label, Add	41.40	
For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
For >50 To 100, Deduct	-26.86	
For >100, Deduct	-38.96	
For 2" Thick Door, Add	30.05	
For Insulated Door (Polystyrene Core), Add	37.78	
For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	94.45	
For Seamless Edge (Welded), Add	47.22	
For Steel Stiffened, Add	94.45	
08 13 13 13-0057 EA 3' x 6'-8" x 1-3/4" 18 Gauge Metal Door (Unrated).....	488.50	54.26
For 18 Gauge, Grade II, Heavy Duty, Add	76.00	
For Composite Door Instead Of Full Panel Door, Add	17.10	
For Type 304 Stainless Steel Door, Add	309.42	
For Type 316 Stainless Steel Door, Add	499.41	
For Embossed Panel, Add	91.20	
For Galvanized Steel, Add	57.00	
For Baked Enamel Finish, Add	179.10	
For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
For 45 Minutes Rated Door And FM Label, Add	41.40	
For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
For >50 To 100, Deduct	-27.14	
For >100, Deduct	-39.35	
For 2" Thick Door, Add	30.26	
For Insulated Door (Polystyrene Core), Add	38.00	
For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	95.00	
For Seamless Edge (Welded), Add	47.50	
For Steel Stiffened, Add	95.00	
08 13 13 13-0058 EA 3'-4" x 6'-8" x 1-3/4" 18 Gauge Metal Door (Unrated).....	517.22	54.26
For 18 Gauge, Grade II, Heavy Duty, Add	81.74	
For Composite Door Instead Of Full Panel Door, Add	18.39	
For Type 304 Stainless Steel Door, Add	332.39	
For Type 316 Stainless Steel Door, Add	536.75	
For Embossed Panel, Add	98.09	
For Galvanized Steel, Add	61.31	
For Baked Enamel Finish, Add	187.72	
For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
For 45 Minutes Rated Door And FM Label, Add	41.40	
For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
For >50 To 100, Deduct	-28.57	
For >100, Deduct	-41.50	
For 2" Thick Door, Add	32.34	
For Insulated Door (Polystyrene Core), Add	40.87	
For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	102.18	
For Seamless Edge (Welded), Add	51.09	
For Steel Stiffened, Add	102.18	
08 13 13 13-0059 EA 3'-6" x 6'-8" x 1-3/4" 18 Gauge Metal Door (Unrated).....	532.80	56.51
For 18 Gauge, Grade II, Heavy Duty, Add	83.95	
For Composite Door Instead Of Full Panel Door, Add	18.89	
For Type 304 Stainless Steel Door, Add	341.46	
For Type 316 Stainless Steel Door, Add	551.34	
For Embossed Panel, Add	100.74	
For Galvanized Steel, Add	62.96	
For Baked Enamel Finish, Add	193.75	
For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
For 45 Minutes Rated Door And FM Label, Add	41.40	
For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
For >50 To 100, Deduct	-29.47	
For >100, Deduct	-42.79	
For 2" Thick Door, Add	33.26	
For Insulated Door (Polystyrene Core), Add	41.98	
For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	104.94	
For Seamless Edge (Welded), Add	52.47	
For Steel Stiffened, Add	104.94	

08	Openings
08 10	Doors And Frames
08 13	Metal Doors



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13-0060	EA		4' x 6'-8" x 1-3/4" 18 Gauge Metal Door (Unrated).....	586.02	61.04
			<i>For 18 Gauge, Grade II, Heavy Duty, Add</i>	92.79	
			<i>For Composite Door Instead Of Full Panel Door, Add</i>	20.88	
			<i>For Type 304 Stainless Steel Door, Add</i>	377.26	
			<i>For Type 316 Stainless Steel Door, Add</i>	609.23	
			<i>For Embossed Panel, Add</i>	111.35	
			<i>For Galvanized Steel, Add</i>	69.59	
			<i>For Baked Enamel Finish, Add</i>	212.43	
			<i>For 20 Minutes To 30 Minutes Rated Door And FM Label, Add</i>	27.63	
			<i>For 45 Minutes Rated Door And FM Label, Add</i>	41.40	
			<i>For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add</i>	55.27	
			<i>For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add</i>	93.38	
			<i>For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add</i>	131.50	
			<i>For >50 To 100, Deduct</i>	-32.35	
			<i>For >100, Deduct</i>	-47.00	
			<i>For 2" Thick Door, Add</i>	36.69	
			<i>For Insulated Door (Polystyrene Core), Add</i>	46.39	
			<i>For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add</i>	115.99	
			<i>For Seamless Edge (Welded), Add</i>	57.99	
			<i>For Steel Stiffened, Add</i>	115.99	
08 13 13-0061	PR		Pair 2'-6" x 6'-8" x 1-3/4" 18 Gauge Metal Door (Unrated).....	937.68	98.79
			<i>For 18 Gauge, Grade II, Heavy Duty, Add</i>	148.02	
			<i>For Composite Door Instead Of Full Panel Door, Add</i>	33.30	
			<i>For Type 304 Stainless Steel Door, Add</i>	601.96	
			<i>For Type 316 Stainless Steel Door, Add</i>	972.01	
			<i>For Embossed Panel, Add</i>	177.62	
			<i>For Galvanized Steel, Add</i>	111.02	
			<i>For Baked Enamel Finish, Add</i>	340.58	
			<i>For 20 Minutes To 30 Minutes Rated Door And FM Label, Add</i>	27.63	
			<i>For 45 Minutes Rated Door And FM Label, Add</i>	41.40	
			<i>For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add</i>	55.27	
			<i>For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add</i>	93.38	
			<i>For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add</i>	131.50	
			<i>For >50 To 100, Deduct</i>	-51.82	
			<i>For >100, Deduct</i>	-75.27	
			<i>For 2" Thick Door, Add</i>	58.60	
			<i>For Insulated Door (Polystyrene Core), Add</i>	74.01	
			<i>For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add</i>	185.03	
			<i>For Seamless Edge (Welded), Add</i>	92.51	
			<i>For Steel Stiffened, Add</i>	185.03	
08 13 13-0062	PR		Pair 2'-8" x 6'-8" x 1-3/4" 18 Gauge Metal Door (Unrated).....	948.73	98.79
			<i>For 18 Gauge, Grade II, Heavy Duty, Add</i>	150.23	
			<i>For Composite Door Instead Of Full Panel Door, Add</i>	33.80	
			<i>For Type 304 Stainless Steel Door, Add</i>	610.80	
			<i>For Type 316 Stainless Steel Door, Add</i>	986.37	
			<i>For Embossed Panel, Add</i>	180.28	
			<i>For Galvanized Steel, Add</i>	112.67	
			<i>For Baked Enamel Finish, Add</i>	343.89	
			<i>For 20 Minutes To 30 Minutes Rated Door And FM Label, Add</i>	27.63	
			<i>For 45 Minutes Rated Door And FM Label, Add</i>	41.40	
			<i>For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add</i>	55.27	
			<i>For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add</i>	93.38	
			<i>For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add</i>	131.50	
			<i>For >50 To 100, Deduct</i>	-52.38	
			<i>For >100, Deduct</i>	-76.09	
			<i>For 2" Thick Door, Add</i>	59.40	
			<i>For Insulated Door (Polystyrene Core), Add</i>	75.12	
			<i>For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add</i>	187.79	
			<i>For Seamless Edge (Welded), Add</i>	93.89	
			<i>For Steel Stiffened, Add</i>	187.79	
08 13 13-0063	PR		Pair 2'-10" x 6'-8" x 1-3/4" 18 Gauge Metal Door (Unrated).....	931.90	88.17
			<i>For 18 Gauge, Grade II, Heavy Duty, Add</i>	151.11	
			<i>For Composite Door Instead Of Full Panel Door, Add</i>	34.00	
			<i>For Type 304 Stainless Steel Door, Add</i>	613.27	
			<i>For Type 316 Stainless Steel Door, Add</i>	991.05	
			<i>For Embossed Panel, Add</i>	181.33	
			<i>For Galvanized Steel, Add</i>	113.33	
			<i>For Baked Enamel Finish, Add</i>	332.47	
			<i>For 20 Minutes To 30 Minutes Rated Door And FM Label, Add</i>	27.63	
			<i>For 45 Minutes Rated Door And FM Label, Add</i>	41.40	
			<i>For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add</i>	55.27	
			<i>For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add</i>	93.38	
			<i>For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add</i>	131.50	
			<i>For >50 To 100, Deduct</i>	-51.00	
			<i>For >100, Deduct</i>	-74.30	
			<i>For 2" Thick Door, Add</i>	59.19	
			<i>For Insulated Door (Polystyrene Core), Add</i>	75.56	
			<i>For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add</i>	188.89	
			<i>For Seamless Edge (Welded), Add</i>	94.45	
			<i>For Steel Stiffened, Add</i>	188.89	



Openings	08	08
Doors And Frames	08 10	
Metal Doors	08 13	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13 13-0064 PR Pair 3' x 6'-8" x 1-3/4" 18 Gauge Metal Door (Unrated)	966.15	103.09
For 18 Gauge, Grade II, Heavy Duty, Add	152.00	
For Composite Door Instead Of Full Panel Door, Add	34.20	
For Type 304 Stainless Steel Door, Add	618.29	
For Type 316 Stainless Steel Door, Add	998.28	
For Embossed Panel, Add	182.40	
For Galvanized Steel, Add	114.00	
For Baked Enamel Finish, Add	351.70	
For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
For 45 Minutes Rated Door And FM Label, Add	41.40	
For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
For >50 To 100, Deduct	-53.46	
For >100, Deduct	-77.62	
For 2" Thick Door, Add	60.25	
For Insulated Door (Polystyrene Core), Add	76.00	
For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	190.00	
For Seamless Edge (Welded), Add	95.00	
For Steel Stiffened, Add	190.00	
08 13 13 13-0065 PR Pair 3'-6" x 6'-8" x 1-3/4" 18 Gauge Metal Door (Unrated)	1,054.28	107.38
For 18 Gauge, Grade II, Heavy Duty, Add	167.90	
For Composite Door Instead Of Full Panel Door, Add	37.78	
For Type 304 Stainless Steel Door, Add	682.35	
For Type 316 Stainless Steel Door, Add	1,102.11	
For Embossed Panel, Add	201.48	
For Galvanized Steel, Add	125.93	
For Baked Enamel Finish, Add	380.71	
For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
For 45 Minutes Rated Door And FM Label, Add	41.40	
For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
For >50 To 100, Deduct	-58.08	
For >100, Deduct	-84.44	
For 2" Thick Door, Add	66.23	
For Insulated Door (Polystyrene Core), Add	83.95	
For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	209.88	
For Seamless Edge (Welded), Add	104.94	
For Steel Stiffened, Add	209.88	
08 13 13 13-0066 PR Pair 4' x 6'-8" x 1-3/4" 18 Gauge Metal Door (Unrated)	1,159.84	115.97
For 18 Gauge, Grade II, Heavy Duty, Add	185.58	
For Composite Door Instead Of Full Panel Door, Add	41.76	
For Type 304 Stainless Steel Door, Add	753.91	
For Type 316 Stainless Steel Door, Add	1,217.85	
For Embossed Panel, Add	222.69	
For Galvanized Steel, Add	139.18	
For Baked Enamel Finish, Add	417.54	
For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
For 45 Minutes Rated Door And FM Label, Add	41.40	
For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
For >50 To 100, Deduct	-63.79	
For >100, Deduct	-92.79	
For 2" Thick Door, Add	73.07	
For Insulated Door (Polystyrene Core), Add	92.79	
For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	231.97	
For Seamless Edge (Welded), Add	115.99	
For Steel Stiffened, Add	231.97	
08 13 13 13-0067 7' High <small>(08 13 13 13-0050)</small>		
08 13 13 13-0068 EA 2' x 7' x 1-3/4" 18 Gauge Metal Door (Unrated)	470.71	49.73
For 18 Gauge, Grade II, Heavy Duty, Add	74.25	
For Composite Door Instead Of Full Panel Door, Add	16.71	
For Type 304 Stainless Steel Door, Add	301.97	
For Type 316 Stainless Steel Door, Add	487.59	
For Embossed Panel, Add	89.10	
For Galvanized Steel, Add	55.69	
For Baked Enamel Finish, Add	171.05	
For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
For 45 Minutes Rated Door And FM Label, Add	41.40	
For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
For >50 To 100, Deduct	-26.02	
For >100, Deduct	-37.79	
For 2" Thick Door, Add	29.40	
For Insulated Door (Polystyrene Core), Add	37.12	
For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	92.81	
For Seamless Edge (Welded), Add	46.41	
For Steel Stiffened, Add	92.81	

08	Openings
08 10	Doors And Frames
08 13	Metal Doors



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13	13-0069	EA	2'-4" x 7' x 1-3/4" 18 Gauge Metal Door (Unrated).....	470.71	49.73
			<i>For 18 Gauge, Grade II, Heavy Duty, Add</i>	74.25	
			<i>For Composite Door Instead Of Full Panel Door, Add</i>	16.71	
			<i>For Type 304 Stainless Steel Door, Add</i>	301.97	
			<i>For Type 316 Stainless Steel Door, Add</i>	487.59	
			<i>For Embossed Panel, Add</i>	89.10	
			<i>For Galvanized Steel, Add</i>	55.69	
			<i>For Baked Enamel Finish, Add</i>	171.05	
			<i>For 20 Minutes To 30 Minutes Rated Door And FM Label, Add</i>	27.63	
			<i>For 45 Minutes Rated Door And FM Label, Add</i>	41.40	
			<i>For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add</i>	55.27	
			<i>For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add</i>	93.38	
			<i>For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add</i>	131.50	
			<i>For >50 To 100, Deduct</i>	-26.02	
			<i>For >100, Deduct</i>	-37.79	
			<i>For 2" Thick Door, Add</i>	29.40	
			<i>For Insulated Door (Polystyrene Core), Add</i>	37.12	
			<i>For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add</i>	92.81	
			<i>For Seamless Edge (Welded), Add</i>	46.41	
			<i>For Steel Stiffened, Add</i>	92.81	
08 13 13	13-0070	EA	2'-6" x 7' x 1-3/4" 18 Gauge Metal Door (Unrated).....	482.82	52.00
			<i>For 18 Gauge, Grade II, Heavy Duty, Add</i>	75.77	
			<i>For Composite Door Instead Of Full Panel Door, Add</i>	17.05	
			<i>For Type 304 Stainless Steel Door, Add</i>	308.26	
			<i>For Type 316 Stainless Steel Door, Add</i>	497.68	
			<i>For Embossed Panel, Add</i>	90.92	
			<i>For Galvanized Steel, Add</i>	56.82	
			<i>For Baked Enamel Finish, Add</i>	176.04	
			<i>For 20 Minutes To 30 Minutes Rated Door And FM Label, Add</i>	27.63	
			<i>For 45 Minutes Rated Door And FM Label, Add</i>	41.40	
			<i>For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add</i>	55.27	
			<i>For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add</i>	93.38	
			<i>For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add</i>	131.50	
			<i>For >50 To 100, Deduct</i>	-26.74	
			<i>For >100, Deduct</i>	-38.81	
			<i>For 2" Thick Door, Add</i>	30.06	
			<i>For Insulated Door (Polystyrene Core), Add</i>	37.88	
			<i>For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add</i>	94.71	
			<i>For Seamless Edge (Welded), Add</i>	47.35	
			<i>For Steel Stiffened, Add</i>	94.71	
08 13 13	13-0071	EA	2'-8" x 7' x 1-3/4" 18 Gauge Metal Door (Unrated).....	488.48	52.00
			<i>For 18 Gauge, Grade II, Heavy Duty, Add</i>	76.90	
			<i>For Composite Door Instead Of Full Panel Door, Add</i>	17.30	
			<i>For Type 304 Stainless Steel Door, Add</i>	312.79	
			<i>For Type 316 Stainless Steel Door, Add</i>	505.04	
			<i>For Embossed Panel, Add</i>	92.28	
			<i>For Galvanized Steel, Add</i>	57.67	
			<i>For Baked Enamel Finish, Add</i>	177.74	
			<i>For 20 Minutes To 30 Minutes Rated Door And FM Label, Add</i>	27.63	
			<i>For 45 Minutes Rated Door And FM Label, Add</i>	41.40	
			<i>For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add</i>	55.27	
			<i>For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add</i>	93.38	
			<i>For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add</i>	131.50	
			<i>For >50 To 100, Deduct</i>	-27.02	
			<i>For >100, Deduct</i>	-39.24	
			<i>For 2" Thick Door, Add</i>	30.48	
			<i>For Insulated Door (Polystyrene Core), Add</i>	38.45	
			<i>For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add</i>	96.12	
			<i>For Seamless Edge (Welded), Add</i>	48.06	
			<i>For Steel Stiffened, Add</i>	96.12	
08 13 13	13-0072	EA	2'-10" x 7' x 1-3/4" 18 Gauge Metal Door (Unrated).....	493.01	53.12
			<i>For 18 Gauge, Grade II, Heavy Duty, Add</i>	77.35	
			<i>For Composite Door Instead Of Full Panel Door, Add</i>	17.40	
			<i>For Type 304 Stainless Steel Door, Add</i>	314.71	
			<i>For Type 316 Stainless Steel Door, Add</i>	508.09	
			<i>For Embossed Panel, Add</i>	92.82	
			<i>For Galvanized Steel, Add</i>	58.01	
			<i>For Baked Enamel Finish, Add</i>	179.78	
			<i>For 20 Minutes To 30 Minutes Rated Door And FM Label, Add</i>	27.63	
			<i>For 45 Minutes Rated Door And FM Label, Add</i>	41.40	
			<i>For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add</i>	55.27	
			<i>For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add</i>	93.38	
			<i>For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add</i>	131.50	
			<i>For >50 To 100, Deduct</i>	-27.31	
			<i>For >100, Deduct</i>	-39.63	
			<i>For 2" Thick Door, Add</i>	30.70	
			<i>For Insulated Door (Polystyrene Core), Add</i>	38.68	
			<i>For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add</i>	96.69	
			<i>For Seamless Edge (Welded), Add</i>	48.34	
			<i>For Steel Stiffened, Add</i>	96.69	



Openings	08	08
Doors And Frames	08 10	
Metal Doors	08 13	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13 13-0073 EA 3' x 7' x 1-3/4" 18 Gauge Metal Door (Unrated)	497.52	54.26
For 18 Gauge, Grade II, Heavy Duty, Add	77.80	
For Composite Door Instead Of Full Panel Door, Add	17.51	
For Type 304 Stainless Steel Door, Add	316.63	
For Type 316 Stainless Steel Door, Add	511.14	
For Embossed Panel, Add	93.36	
For Galvanized Steel, Add	58.35	
For Baked Enamel Finish, Add	181.81	
For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
For 45 Minutes Rated Door And FM Label, Add	41.40	
For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
For >50 To 100, Deduct	-27.59	
For >100, Deduct	-40.03	
For 2" Thick Door, Add	30.92	
For Insulated Door (Polystyrene Core), Add	38.90	
For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	97.25	
For Seamless Edge (Welded), Add	48.63	
For Steel Stiffened, Add	97.25	
08 13 13 13-0074 EA 3'-4" x 7' x 1-3/4" 18 Gauge Metal Door (Unrated).....	526.92	54.26
For 18 Gauge, Grade II, Heavy Duty, Add	83.88	
For Composite Door Instead Of Full Panel Door, Add	18.83	
For Type 304 Stainless Steel Door, Add	340.15	
For Type 316 Stainless Steel Door, Add	549.36	
For Embossed Panel, Add	100.42	
For Galvanized Steel, Add	62.76	
For Baked Enamel Finish, Add	190.63	
For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
For 45 Minutes Rated Door And FM Label, Add	41.40	
For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
For >50 To 100, Deduct	-29.06	
For >100, Deduct	-42.23	
For 2" Thick Door, Add	33.05	
For Insulated Door (Polystyrene Core), Add	41.84	
For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	104.60	
For Seamless Edge (Welded), Add	52.30	
For Steel Stiffened, Add	104.60	
08 13 13 13-0075 EA 3'-6" x 7' x 1-3/4" 18 Gauge Metal Door (Unrated).....	542.76	56.51
For 18 Gauge, Grade II, Heavy Duty, Add	85.94	
For Composite Door Instead Of Full Panel Door, Add	19.34	
For Type 304 Stainless Steel Door, Add	349.43	
For Type 316 Stainless Steel Door, Add	564.29	
For Embossed Panel, Add	103.13	
For Galvanized Steel, Add	64.46	
For Baked Enamel Finish, Add	196.74	
For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
For 45 Minutes Rated Door And FM Label, Add	41.40	
For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
For >50 To 100, Deduct	-29.96	
For >100, Deduct	-43.53	
For 2" Thick Door, Add	33.98	
For Insulated Door (Polystyrene Core), Add	42.97	
For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	107.43	
For Seamless Edge (Welded), Add	53.72	
For Steel Stiffened, Add	107.43	
08 13 13 13-0076 EA 4' x 7' x 1-3/4" 18 Gauge Metal Door (Unrated)	597.03	61.04
For 18 Gauge, Grade II, Heavy Duty, Add	94.99	
For Composite Door Instead Of Full Panel Door, Add	21.37	
For Type 304 Stainless Steel Door, Add	386.06	
For Type 316 Stainless Steel Door, Add	623.54	
For Embossed Panel, Add	113.99	
For Galvanized Steel, Add	71.24	
For Baked Enamel Finish, Add	215.73	
For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
For 45 Minutes Rated Door And FM Label, Add	41.40	
For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
For >50 To 100, Deduct	-32.90	
For >100, Deduct	-47.83	
For 2" Thick Door, Add	37.49	
For Insulated Door (Polystyrene Core), Add	47.50	
For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	118.74	
For Seamless Edge (Welded), Add	59.37	
For Steel Stiffened, Add	118.74	

08	Openings
08 10	Doors And Frames
08 13	Metal Doors



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13	13-0077	PR	Pair 2'-6" x 7' x 1-3/4" 18 Gauge Metal Door (Unrated)	955.24	98.79
			For 18 Gauge, Grade II, Heavy Duty, Add	151.53	
			For Composite Door Instead Of Full Panel Door, Add	34.09	
			For Type 304 Stainless Steel Door, Add	616.01	
			For Type 316 Stainless Steel Door, Add	994.84	
			For Embossed Panel, Add	181.84	
			For Galvanized Steel, Add	113.65	
			For Baked Enamel Finish, Add	345.85	
			For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
			For 45 Minutes Rated Door And FM Label, Add	41.40	
			For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
			For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
			For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
			For >50 To 100, Deduct	-52.70	
			For >100, Deduct	-76.58	
			For 2" Thick Door, Add	59.87	
			For Insulated Door (Polystyrene Core), Add	75.77	
			For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	189.42	
			For Seamless Edge (Welded), Add	94.71	
			For Steel Stiffened, Add	189.42	
08 13 13	13-0078	PR	Pair 2'-8" x 7' x 1-3/4" 18 Gauge Metal Door (Unrated)	966.55	98.79
			For 18 Gauge, Grade II, Heavy Duty, Add	153.79	
			For Composite Door Instead Of Full Panel Door, Add	34.60	
			For Type 304 Stainless Steel Door, Add	625.06	
			For Type 316 Stainless Steel Door, Add	1,009.54	
			For Embossed Panel, Add	184.55	
			For Galvanized Steel, Add	115.35	
			For Baked Enamel Finish, Add	349.24	
			For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
			For 45 Minutes Rated Door And FM Label, Add	41.40	
			For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
			For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
			For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
			For >50 To 100, Deduct	-53.27	
			For >100, Deduct	-77.43	
			For 2" Thick Door, Add	60.69	
			For Insulated Door (Polystyrene Core), Add	76.90	
			For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	192.24	
			For Seamless Edge (Welded), Add	96.12	
			For Steel Stiffened, Add	192.24	
08 13 13	13-0079	PR	Pair 2'-10" x 7' x 1-3/4" 18 Gauge Metal Door (Unrated)	949.83	88.17
			For 18 Gauge, Grade II, Heavy Duty, Add	154.70	
			For Composite Door Instead Of Full Panel Door, Add	34.81	
			For Type 304 Stainless Steel Door, Add	627.61	
			For Type 316 Stainless Steel Door, Add	1,014.35	
			For Embossed Panel, Add	185.64	
			For Galvanized Steel, Add	116.02	
			For Baked Enamel Finish, Add	337.85	
			For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
			For 45 Minutes Rated Door And FM Label, Add	41.40	
			For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
			For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
			For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
			For >50 To 100, Deduct	-51.90	
			For >100, Deduct	-75.65	
			For 2" Thick Door, Add	60.49	
			For Insulated Door (Polystyrene Core), Add	77.35	
			For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	193.37	
			For Seamless Edge (Welded), Add	96.69	
			For Steel Stiffened, Add	193.37	
08 13 13	13-0080	PR	Pair 3' x 7' x 1-3/4" 18 Gauge Metal Door (Unrated)	984.19	103.09
			For 18 Gauge, Grade II, Heavy Duty, Add	155.60	
			For Composite Door Instead Of Full Panel Door, Add	35.01	
			For Type 304 Stainless Steel Door, Add	632.72	
			For Type 316 Stainless Steel Door, Add	1,021.73	
			For Embossed Panel, Add	186.72	
			For Galvanized Steel, Add	116.70	
			For Baked Enamel Finish, Add	357.11	
			For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
			For 45 Minutes Rated Door And FM Label, Add	41.40	
			For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
			For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
			For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
			For >50 To 100, Deduct	-54.36	
			For >100, Deduct	-78.97	
			For 2" Thick Door, Add	61.56	
			For Insulated Door (Polystyrene Core), Add	77.80	
			For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	194.51	
			For Seamless Edge (Welded), Add	97.25	
			For Steel Stiffened, Add	194.51	



Openings	08	08
Doors And Frames	08 10	
Metal Doors	08 13	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13 13-0081 PR Pair 3'-6" x 7' x 1-3/4" 18 Gauge Metal Door (Unrated)	1,074.20	107.38
For 18 Gauge, Grade II, Heavy Duty, Add	171.89	
For Composite Door Instead Of Full Panel Door, Add	38.67	
For Type 304 Stainless Steel Door, Add	698.29	
For Type 316 Stainless Steel Door, Add	1,128.01	
For Embossed Panel, Add	206.27	
For Galvanized Steel, Add	128.92	
For Baked Enamel Finish, Add	386.69	
For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
For 45 Minutes Rated Door And FM Label, Add	41.40	
For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
For >50 To 100, Deduct	-59.08	
For >100, Deduct	-85.93	
For 2" Thick Door, Add	67.68	
For Insulated Door (Polystyrene Core), Add	85.94	
For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	214.86	
For Seamless Edge (Welded), Add	107.43	
For Steel Stiffened, Add	214.86	
08 13 13 13-0082 PR Pair 4' x 7' x 1-3/4" 18 Gauge Metal Door (Unrated)	1,181.86	115.97
For 18 Gauge, Grade II, Heavy Duty, Add	189.98	
For Composite Door Instead Of Full Panel Door, Add	42.75	
For Type 304 Stainless Steel Door, Add	771.53	
For Type 316 Stainless Steel Door, Add	1,246.48	
For Embossed Panel, Add	227.98	
For Galvanized Steel, Add	142.49	
For Baked Enamel Finish, Add	424.14	
For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
For 45 Minutes Rated Door And FM Label, Add	41.40	
For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
For >50 To 100, Deduct	-64.89	
For >100, Deduct	-94.44	
For 2" Thick Door, Add	74.67	
For Insulated Door (Polystyrene Core), Add	94.99	
For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	237.48	
For Seamless Edge (Welded), Add	118.74	
For Steel Stiffened, Add	237.48	
08 13 13 13-0083 7'-2" High <small>(08 13 13 13-0050)</small>		
08 13 13 13-0084 EA 2' x 7'-2" x 1-3/4" 18 Gauge Metal Door (Unrated)	479.32	49.73
For 18 Gauge, Grade II, Heavy Duty, Add	75.97	
For Composite Door Instead Of Full Panel Door, Add	17.09	
For Type 304 Stainless Steel Door, Add	308.85	
For Type 316 Stainless Steel Door, Add	498.78	
For Embossed Panel, Add	91.16	
For Galvanized Steel, Add	56.98	
For Baked Enamel Finish, Add	173.64	
For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
For 45 Minutes Rated Door And FM Label, Add	41.40	
For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
For >50 To 100, Deduct	-26.45	
For >100, Deduct	-38.44	
For 2" Thick Door, Add	30.03	
For Insulated Door (Polystyrene Core), Add	37.99	
For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	94.96	
For Seamless Edge (Welded), Add	47.48	
For Steel Stiffened, Add	94.96	
08 13 13 13-0085 EA 2'-4" x 7'-2" x 1-3/4" 18 Gauge Metal Door (Unrated)	479.32	49.73
For 18 Gauge, Grade II, Heavy Duty, Add	75.97	
For Composite Door Instead Of Full Panel Door, Add	17.09	
For Type 304 Stainless Steel Door, Add	308.85	
For Type 316 Stainless Steel Door, Add	498.78	
For Embossed Panel, Add	91.16	
For Galvanized Steel, Add	56.98	
For Baked Enamel Finish, Add	173.64	
For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
For 45 Minutes Rated Door And FM Label, Add	41.40	
For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
For >50 To 100, Deduct	-26.45	
For >100, Deduct	-38.44	
For 2" Thick Door, Add	30.03	
For Insulated Door (Polystyrene Core), Add	37.99	
For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	94.96	
For Seamless Edge (Welded), Add	47.48	
For Steel Stiffened, Add	94.96	

08	Openings
08 10	Doors And Frames
08 13	Metal Doors



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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08 13 13 13-0086	EA		2'-6" x 7'-2" x 1-3/4" 18 Gauge Metal Door (Unrated)	491.61	52.00
			<i>For 18 Gauge, Grade II, Heavy Duty, Add</i>	77.52	
			<i>For Composite Door Instead Of Full Panel Door, Add</i>	17.44	
			<i>For Type 304 Stainless Steel Door, Add</i>	315.30	
			<i>For Type 316 Stainless Steel Door, Add</i>	509.11	
			<i>For Embossed Panel, Add</i>	93.03	
			<i>For Galvanized Steel, Add</i>	58.14	
			<i>For Baked Enamel Finish, Add</i>	178.68	
			<i>For 20 Minutes To 30 Minutes Rated Door And FM Label, Add</i>	27.63	
			<i>For 45 Minutes Rated Door And FM Label, Add</i>	41.40	
			<i>For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add</i>	55.27	
			<i>For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add</i>	93.38	
			<i>For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add</i>	131.50	
			<i>For >50 To 100, Deduct</i>	-27.18	
			<i>For >100, Deduct</i>	-39.47	
			<i>For 2" Thick Door, Add</i>	30.70	
			<i>For Insulated Door (Polystyrene Core), Add</i>	38.76	
			<i>For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add</i>	96.91	
			<i>For Seamless Edge (Welded), Add</i>	48.45	
			<i>For Steel Stiffened, Add</i>	96.91	
08 13 13 13-0087	EA		2'-8" x 7'-2" x 1-3/4" 18 Gauge Metal Door (Unrated)	497.39	52.00
			<i>For 18 Gauge, Grade II, Heavy Duty, Add</i>	78.68	
			<i>For Composite Door Instead Of Full Panel Door, Add</i>	17.70	
			<i>For Type 304 Stainless Steel Door, Add</i>	319.92	
			<i>For Type 316 Stainless Steel Door, Add</i>	516.62	
			<i>For Embossed Panel, Add</i>	94.42	
			<i>For Galvanized Steel, Add</i>	59.01	
			<i>For Baked Enamel Finish, Add</i>	180.41	
			<i>For 20 Minutes To 30 Minutes Rated Door And FM Label, Add</i>	27.63	
			<i>For 45 Minutes Rated Door And FM Label, Add</i>	41.40	
			<i>For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add</i>	55.27	
			<i>For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add</i>	93.38	
			<i>For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add</i>	131.50	
			<i>For >50 To 100, Deduct</i>	-27.47	
			<i>For >100, Deduct</i>	-39.90	
			<i>For 2" Thick Door, Add</i>	31.12	
			<i>For Insulated Door (Polystyrene Core), Add</i>	39.34	
			<i>For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add</i>	98.35	
			<i>For Seamless Edge (Welded), Add</i>	49.18	
			<i>For Steel Stiffened, Add</i>	98.35	
08 13 13 13-0088	EA		3' x 7'-2" x 1-3/4" 18 Gauge Metal Door (Unrated)	506.54	54.26
			<i>For 18 Gauge, Grade II, Heavy Duty, Add</i>	79.61	
			<i>For Composite Door Instead Of Full Panel Door, Add</i>	17.91	
			<i>For Type 304 Stainless Steel Door, Add</i>	323.85	
			<i>For Type 316 Stainless Steel Door, Add</i>	522.86	
			<i>For Embossed Panel, Add</i>	95.53	
			<i>For Galvanized Steel, Add</i>	59.70	
			<i>For Baked Enamel Finish, Add</i>	184.52	
			<i>For 20 Minutes To 30 Minutes Rated Door And FM Label, Add</i>	27.63	
			<i>For 45 Minutes Rated Door And FM Label, Add</i>	41.40	
			<i>For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add</i>	55.27	
			<i>For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add</i>	93.38	
			<i>For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add</i>	131.50	
			<i>For >50 To 100, Deduct</i>	-28.04	
			<i>For >100, Deduct</i>	-40.70	
			<i>For 2" Thick Door, Add</i>	31.57	
			<i>For Insulated Door (Polystyrene Core), Add</i>	39.80	
			<i>For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add</i>	99.51	
			<i>For Seamless Edge (Welded), Add</i>	49.75	
			<i>For Steel Stiffened, Add</i>	99.51	
08 13 13 13-0089	EA		3'-4" x 7'-2" x 1-3/4" 18 Gauge Metal Door (Unrated)	536.62	54.26
			<i>For 18 Gauge, Grade II, Heavy Duty, Add</i>	85.62	
			<i>For Composite Door Instead Of Full Panel Door, Add</i>	19.26	
			<i>For Type 304 Stainless Steel Door, Add</i>	347.91	
			<i>For Type 316 Stainless Steel Door, Add</i>	561.97	
			<i>For Embossed Panel, Add</i>	102.75	
			<i>For Galvanized Steel, Add</i>	64.22	
			<i>For Baked Enamel Finish, Add</i>	193.54	
			<i>For 20 Minutes To 30 Minutes Rated Door And FM Label, Add</i>	27.63	
			<i>For 45 Minutes Rated Door And FM Label, Add</i>	41.40	
			<i>For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add</i>	55.27	
			<i>For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add</i>	93.38	
			<i>For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add</i>	131.50	
			<i>For >50 To 100, Deduct</i>	-29.54	
			<i>For >100, Deduct</i>	-42.96	
			<i>For 2" Thick Door, Add</i>	33.75	
			<i>For Insulated Door (Polystyrene Core), Add</i>	42.81	
			<i>For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add</i>	107.03	
			<i>For Seamless Edge (Welded), Add</i>	53.51	
			<i>For Steel Stiffened, Add</i>	107.03	



Openings	08	08
Doors And Frames	08 10	
Metal Doors	08 13	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13 13-0090 EA 3'-6" x 7'-2" x 1-3/4" 18 Gauge Metal Door (Unrated)	552.72	56.51
For 18 Gauge, Grade II, Heavy Duty, Add	87.94	
For Composite Door Instead Of Full Panel Door, Add	19.79	
For Type 304 Stainless Steel Door, Add	357.40	
For Type 316 Stainless Steel Door, Add	577.24	
For Embossed Panel, Add	105.52	
For Galvanized Steel, Add	65.95	
For Baked Enamel Finish, Add	199.73	
For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
For 45 Minutes Rated Door And FM Label, Add	41.40	
For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
For >50 To 100, Deduct	-30.46	
For >100, Deduct	-44.28	
For 2" Thick Door, Add	34.70	
For Insulated Door (Polystyrene Core), Add	43.97	
For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	109.92	
For Seamless Edge (Welded), Add	54.96	
For Steel Stiffened, Add	109.92	
08 13 13 13-0091 EA 4' x 7'-2" x 1-3/4" 18 Gauge Metal Door (Unrated).....	608.04	61.04
For 18 Gauge, Grade II, Heavy Duty, Add	97.19	
For Composite Door Instead Of Full Panel Door, Add	21.87	
For Type 304 Stainless Steel Door, Add	394.87	
For Type 316 Stainless Steel Door, Add	637.85	
For Embossed Panel, Add	116.63	
For Galvanized Steel, Add	72.89	
For Baked Enamel Finish, Add	219.04	
For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
For 45 Minutes Rated Door And FM Label, Add	41.40	
For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
For >50 To 100, Deduct	-33.45	
For >100, Deduct	-48.66	
For 2" Thick Door, Add	38.28	
For Insulated Door (Polystyrene Core), Add	48.60	
For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	121.49	
For Seamless Edge (Welded), Add	60.75	
For Steel Stiffened, Add	121.49	
08 13 13 13-0092 PR Pair 2'-6" x 7'-2" x 1-3/4" 18 Gauge Metal Door (Unrated).....	972.81	98.79
For 18 Gauge, Grade II, Heavy Duty, Add	155.05	
For Composite Door Instead Of Full Panel Door, Add	34.89	
For Type 304 Stainless Steel Door, Add	630.06	
For Type 316 Stainless Steel Door, Add	1,017.68	
For Embossed Panel, Add	186.06	
For Galvanized Steel, Add	116.28	
For Baked Enamel Finish, Add	351.12	
For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
For 45 Minutes Rated Door And FM Label, Add	41.40	
For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
For >50 To 100, Deduct	-53.58	
For >100, Deduct	-77.90	
For 2" Thick Door, Add	61.14	
For Insulated Door (Polystyrene Core), Add	77.52	
For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	193.81	
For Seamless Edge (Welded), Add	96.90	
For Steel Stiffened, Add	193.81	
08 13 13 13-0093 PR Pair 2'-8" x 7'-2" x 1-3/4" 18 Gauge Metal Door (Unrated).....	984.38	98.79
For 18 Gauge, Grade II, Heavy Duty, Add	157.36	
For Composite Door Instead Of Full Panel Door, Add	35.41	
For Type 304 Stainless Steel Door, Add	639.32	
For Type 316 Stainless Steel Door, Add	1,032.72	
For Embossed Panel, Add	188.83	
For Galvanized Steel, Add	118.02	
For Baked Enamel Finish, Add	354.59	
For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
For 45 Minutes Rated Door And FM Label, Add	41.40	
For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
For >50 To 100, Deduct	-54.16	
For >100, Deduct	-78.77	
For 2" Thick Door, Add	61.98	
For Insulated Door (Polystyrene Core), Add	78.68	
For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	196.70	
For Seamless Edge (Welded), Add	98.35	
For Steel Stiffened, Add	196.70	

08 Openings
08 10 Doors And Frames
08 13 Metal Doors



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13	13-0094	PR	Pair 2'-10" x 7'-2" x 1-3/4" 18 Gauge Metal Door (Unrated).....	967.77	88.17
			<i>For 18 Gauge, Grade II, Heavy Duty, Add</i>	158.29	
			<i>For Composite Door Instead Of Full Panel Door, Add</i>	35.61	
			<i>For Type 304 Stainless Steel Door, Add</i>	641.96	
			<i>For Type 316 Stainless Steel Door, Add</i>	1,037.68	
			<i>For Embossed Panel, Add</i>	189.94	
			<i>For Galvanized Steel, Add</i>	118.71	
			<i>For Baked Enamel Finish, Add</i>	343.23	
			<i>For 20 Minutes To 30 Minutes Rated Door And FM Label, Add</i>	27.63	
			<i>For 45 Minutes Rated Door And FM Label, Add</i>	41.40	
			<i>For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add</i>	55.27	
			<i>For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add</i>	93.38	
			<i>For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add</i>	131.50	
			<i>For >50 To 100, Deduct</i>	-52.80	
			<i>For >100, Deduct</i>	-76.99	
			<i>For 2" Thick Door, Add</i>	61.79	
			<i>For Insulated Door (Polystyrene Core), Add</i>	79.14	
			<i>For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add</i>	197.86	
			<i>For Seamless Edge (Welded), Add</i>	98.93	
			<i>For Steel Stiffened, Add</i>	197.86	
08 13 13	13-0095	PR	Pair 3' x 7'-2" x 1-3/4" 18 Gauge Metal Door (Unrated).....	1,002.23	103.09
			<i>For 18 Gauge, Grade II, Heavy Duty, Add</i>	159.21	
			<i>For Composite Door Instead Of Full Panel Door, Add</i>	35.82	
			<i>For Type 304 Stainless Steel Door, Add</i>	647.16	
			<i>For Type 316 Stainless Steel Door, Add</i>	1,045.19	
			<i>For Embossed Panel, Add</i>	191.05	
			<i>For Galvanized Steel, Add</i>	119.41	
			<i>For Baked Enamel Finish, Add</i>	362.52	
			<i>For 20 Minutes To 30 Minutes Rated Door And FM Label, Add</i>	27.63	
			<i>For 45 Minutes Rated Door And FM Label, Add</i>	41.40	
			<i>For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add</i>	55.27	
			<i>For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add</i>	93.38	
			<i>For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add</i>	131.50	
			<i>For >50 To 100, Deduct</i>	-55.27	
			<i>For >100, Deduct</i>	-80.32	
			<i>For 2" Thick Door, Add</i>	62.87	
			<i>For Insulated Door (Polystyrene Core), Add</i>	79.61	
			<i>For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add</i>	199.02	
			<i>For Seamless Edge (Welded), Add</i>	99.51	
			<i>For Steel Stiffened, Add</i>	199.02	
08 13 13	13-0096	PR	Pair 3'-6" x 7'-2" x 1-3/4" 18 Gauge Metal Door (Unrated).....	1,094.12	107.38
			<i>For 18 Gauge, Grade II, Heavy Duty, Add</i>	175.87	
			<i>For Composite Door Instead Of Full Panel Door, Add</i>	39.57	
			<i>For Type 304 Stainless Steel Door, Add</i>	714.23	
			<i>For Type 316 Stainless Steel Door, Add</i>	1,153.91	
			<i>For Embossed Panel, Add</i>	211.05	
			<i>For Galvanized Steel, Add</i>	131.90	
			<i>For Baked Enamel Finish, Add</i>	392.66	
			<i>For 20 Minutes To 30 Minutes Rated Door And FM Label, Add</i>	27.63	
			<i>For 45 Minutes Rated Door And FM Label, Add</i>	41.40	
			<i>For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add</i>	55.27	
			<i>For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add</i>	93.38	
			<i>For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add</i>	131.50	
			<i>For >50 To 100, Deduct</i>	-60.08	
			<i>For >100, Deduct</i>	-87.43	
			<i>For 2" Thick Door, Add</i>	69.12	
			<i>For Insulated Door (Polystyrene Core), Add</i>	87.94	
			<i>For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add</i>	219.84	
			<i>For Seamless Edge (Welded), Add</i>	109.92	
			<i>For Steel Stiffened, Add</i>	219.84	
08 13 13	13-0097	PR	Pair 4' x 7'-2" x 1-3/4" 18 Gauge Metal Door (Unrated).....	1,203.88	115.97
			<i>For 18 Gauge, Grade II, Heavy Duty, Add</i>	194.39	
			<i>For Composite Door Instead Of Full Panel Door, Add</i>	43.74	
			<i>For Type 304 Stainless Steel Door, Add</i>	789.14	
			<i>For Type 316 Stainless Steel Door, Add</i>	1,275.11	
			<i>For Embossed Panel, Add</i>	233.26	
			<i>For Galvanized Steel, Add</i>	145.79	
			<i>For Baked Enamel Finish, Add</i>	430.75	
			<i>For 20 Minutes To 30 Minutes Rated Door And FM Label, Add</i>	27.63	
			<i>For 45 Minutes Rated Door And FM Label, Add</i>	41.40	
			<i>For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add</i>	55.27	
			<i>For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add</i>	93.38	
			<i>For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add</i>	131.50	
			<i>For >50 To 100, Deduct</i>	-65.99	
			<i>For >100, Deduct</i>	-96.09	
			<i>For 2" Thick Door, Add</i>	76.26	
			<i>For Insulated Door (Polystyrene Core), Add</i>	97.19	
			<i>For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add</i>	242.98	
			<i>For Seamless Edge (Welded), Add</i>	121.49	
			<i>For Steel Stiffened, Add</i>	242.98	

08 13 13 13-0098 8' High (08 13 13 13-0050)



Openings	08	08
Doors And Frames	08 10	
Metal Doors	08 13	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13 13-0099 EA 2' x 8' x 1-3/4" 18 Gauge Metal Door (Unrated)	550.31	49.73
For 18 Gauge, Grade II, Heavy Duty, Add	90.17	
For Up To 1' Extra Height, Add	124.75	
For 1' To 1'-6" Extra Height, Add	238.00	
For Composite Door Instead Of Full Panel Door, Add	20.29	
For Type 304 Stainless Steel Door, Add	365.65	
For Type 316 Stainless Steel Door, Add	591.07	
For Embossed Panel, Add	108.20	
For Galvanized Steel, Add	67.63	
For Baked Enamel Finish, Add	194.93	
For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
For 45 Minutes Rated Door And FM Label, Add	41.40	
For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
For >50 To 100, Deduct	-30.00	
For >100, Deduct	-43.76	
For 2" Thick Door, Add	35.17	
For Insulated Door (Polystyrene Core), Add	45.08	
For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	112.71	
For Seamless Edge (Welded), Add	56.36	
For Steel Stiffened, Add	112.71	
08 13 13 13-0100 EA 2'-4" x 8' x 1-3/4" 18 Gauge Metal Door (Unrated)	550.31	49.73
For 18 Gauge, Grade II, Heavy Duty, Add	90.17	
For Up To 1' Extra Height, Add	124.75	
For 1' To 1'-6" Extra Height, Add	238.00	
For Composite Door Instead Of Full Panel Door, Add	20.29	
For Type 304 Stainless Steel Door, Add	365.65	
For Type 316 Stainless Steel Door, Add	591.07	
For Embossed Panel, Add	108.20	
For Galvanized Steel, Add	67.63	
For Baked Enamel Finish, Add	194.93	
For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
For 45 Minutes Rated Door And FM Label, Add	41.40	
For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
For >50 To 100, Deduct	-30.00	
For >100, Deduct	-43.76	
For 2" Thick Door, Add	35.17	
For Insulated Door (Polystyrene Core), Add	45.08	
For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	112.71	
For Seamless Edge (Welded), Add	56.36	
For Steel Stiffened, Add	112.71	
08 13 13 13-0101 EA 2'-6" x 8' x 1-3/4" 18 Gauge Metal Door (Unrated)	564.05	52.00
For 18 Gauge, Grade II, Heavy Duty, Add	92.01	
For Up To 1' Extra Height, Add	127.30	
For 1' To 1'-6" Extra Height, Add	242.87	
For Composite Door Instead Of Full Panel Door, Add	20.70	
For Type 304 Stainless Steel Door, Add	373.25	
For Type 316 Stainless Steel Door, Add	603.28	
For Embossed Panel, Add	110.41	
For Galvanized Steel, Add	69.01	
For Baked Enamel Finish, Add	200.41	
For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
For 45 Minutes Rated Door And FM Label, Add	41.40	
For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
For >50 To 100, Deduct	-30.80	
For >100, Deduct	-44.90	
For 2" Thick Door, Add	35.95	
For Insulated Door (Polystyrene Core), Add	46.01	
For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	115.02	
For Seamless Edge (Welded), Add	57.51	
For Steel Stiffened, Add	115.02	
08 13 13 13-0102 EA 2'-8" x 8' x 1-3/4" 18 Gauge Metal Door (Unrated)	570.91	52.00
For 18 Gauge, Grade II, Heavy Duty, Add	93.38	
For Up To 1' Extra Height, Add	129.20	
For 1' To 1'-6" Extra Height, Add	246.49	
For Composite Door Instead Of Full Panel Door, Add	21.01	
For Type 304 Stainless Steel Door, Add	378.74	
For Type 316 Stainless Steel Door, Add	612.20	
For Embossed Panel, Add	112.06	
For Galvanized Steel, Add	70.04	
For Baked Enamel Finish, Add	202.47	
For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
For 45 Minutes Rated Door And FM Label, Add	41.40	
For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
For >50 To 100, Deduct	-31.15	
For >100, Deduct	-45.42	
For 2" Thick Door, Add	36.45	
For Insulated Door (Polystyrene Core), Add	46.69	
For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	116.73	
For Seamless Edge (Welded), Add	58.37	
For Steel Stiffened, Add	116.73	

08	Openings
08 10	Doors And Frames
08 13	Metal Doors



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13	13-0103	EA	2'-10" x 8' x 1-3/4" 18 Gauge Metal Door (Unrated).....	575.93	53.12
			<i>For 18 Gauge, Grade II, Heavy Duty, Add</i>	93.93	
			<i>For Up To 1' Extra Height, Add</i>	129.96	
			<i>For 1' To 1'-6" Extra Height, Add</i>	247.94	
			<i>For Composite Door Instead Of Full Panel Door, Add</i>	21.14	
			<i>For Type 304 Stainless Steel Door, Add</i>	381.05	
			<i>For Type 316 Stainless Steel Door, Add</i>	615.88	
			<i>For Embossed Panel, Add</i>	112.72	
			<i>For Galvanized Steel, Add</i>	70.45	
			<i>For Baked Enamel Finish, Add</i>	204.66	
			<i>For 20 Minutes To 30 Minutes Rated Door And FM Label, Add</i>	27.63	
			<i>For 45 Minutes Rated Door And FM Label, Add</i>	41.40	
			<i>For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add</i>	55.27	
			<i>For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add</i>	93.38	
			<i>For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add</i>	131.50	
			<i>For >50 To 100, Deduct</i>	-31.45	
			<i>For >100, Deduct</i>	-45.85	
			<i>For 2" Thick Door, Add</i>	36.71	
			<i>For Insulated Door (Polystyrene Core), Add</i>	46.97	
			<i>For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add</i>	117.42	
			<i>For Seamless Edge (Welded), Add</i>	58.71	
			<i>For Steel Stiffened, Add</i>	117.42	
08 13 13	13-0104	EA	3' x 8' x 1-3/4" 18 Gauge Metal Door (Unrated).....	580.92	54.26
			<i>For 18 Gauge, Grade II, Heavy Duty, Add</i>	94.48	
			<i>For Up To 1' Extra Height, Add</i>	130.72	
			<i>For 1' To 1'-6" Extra Height, Add</i>	249.39	
			<i>For Composite Door Instead Of Full Panel Door, Add</i>	21.26	
			<i>For Type 304 Stainless Steel Door, Add</i>	383.35	
			<i>For Type 316 Stainless Steel Door, Add</i>	619.56	
			<i>For Embossed Panel, Add</i>	113.38	
			<i>For Galvanized Steel, Add</i>	70.86	
			<i>For Baked Enamel Finish, Add</i>	206.83	
			<i>For 20 Minutes To 30 Minutes Rated Door And FM Label, Add</i>	27.63	
			<i>For 45 Minutes Rated Door And FM Label, Add</i>	41.40	
			<i>For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add</i>	55.27	
			<i>For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add</i>	93.38	
			<i>For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add</i>	131.50	
			<i>For >50 To 100, Deduct</i>	-31.76	
			<i>For >100, Deduct</i>	-46.28	
			<i>For 2" Thick Door, Add</i>	36.96	
			<i>For Insulated Door (Polystyrene Core), Add</i>	47.24	
			<i>For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add</i>	118.10	
			<i>For Seamless Edge (Welded), Add</i>	59.05	
			<i>For Steel Stiffened, Add</i>	118.10	
08 13 13	13-0105	EA	3'-4" x 8' x 1-3/4" 18 Gauge Metal Door (Unrated).....	616.63	54.26
			<i>For 18 Gauge, Grade II, Heavy Duty, Add</i>	101.62	
			<i>For Up To 1' Extra Height, Add</i>	140.60	
			<i>For 1' To 1'-6" Extra Height, Add</i>	268.24	
			<i>For Composite Door Instead Of Full Panel Door, Add</i>	22.87	
			<i>For Type 304 Stainless Steel Door, Add</i>	411.92	
			<i>For Type 316 Stainless Steel Door, Add</i>	665.98	
			<i>For Embossed Panel, Add</i>	121.95	
			<i>For Galvanized Steel, Add</i>	76.22	
			<i>For Baked Enamel Finish, Add</i>	217.54	
			<i>For 20 Minutes To 30 Minutes Rated Door And FM Label, Add</i>	27.63	
			<i>For 45 Minutes Rated Door And FM Label, Add</i>	41.40	
			<i>For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add</i>	55.27	
			<i>For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add</i>	93.38	
			<i>For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add</i>	131.50	
			<i>For >50 To 100, Deduct</i>	-33.54	
			<i>For >100, Deduct</i>	-48.96	
			<i>For 2" Thick Door, Add</i>	39.55	
			<i>For Insulated Door (Polystyrene Core), Add</i>	50.81	
			<i>For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add</i>	127.03	
			<i>For Seamless Edge (Welded), Add</i>	63.52	
			<i>For Steel Stiffened, Add</i>	127.03	
08 13 13	13-0106	EA	3'-6" x 8' x 1-3/4" 18 Gauge Metal Door (Unrated).....	634.90	56.51
			<i>For 18 Gauge, Grade II, Heavy Duty, Add</i>	104.37	
			<i>For Up To 1' Extra Height, Add</i>	144.40	
			<i>For 1' To 1'-6" Extra Height, Add</i>	275.49	
			<i>For Composite Door Instead Of Full Panel Door, Add</i>	23.48	
			<i>For Type 304 Stainless Steel Door, Add</i>	423.14	
			<i>For Type 316 Stainless Steel Door, Add</i>	684.07	
			<i>For Embossed Panel, Add</i>	125.25	
			<i>For Galvanized Steel, Add</i>	78.28	
			<i>For Baked Enamel Finish, Add</i>	224.38	
			<i>For 20 Minutes To 30 Minutes Rated Door And FM Label, Add</i>	27.63	
			<i>For 45 Minutes Rated Door And FM Label, Add</i>	41.40	
			<i>For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add</i>	55.27	
			<i>For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add</i>	93.38	
			<i>For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add</i>	131.50	
			<i>For >50 To 100, Deduct</i>	-34.57	
			<i>For >100, Deduct</i>	-50.44	
			<i>For 2" Thick Door, Add</i>	40.66	
			<i>For Insulated Door (Polystyrene Core), Add</i>	52.19	
			<i>For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add</i>	130.47	
			<i>For Seamless Edge (Welded), Add</i>	65.23	
			<i>For Steel Stiffened, Add</i>	130.47	



Openings	08	08
Doors And Frames	08 10	
Metal Doors	08 13	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13 13-0107 EA 4' x 8' x 1-3/4" 18 Gauge Metal Door (Unrated)	698.87	61.04
For 18 Gauge, Grade II, Heavy Duty, Add	115.36	
For Up To 1' Extra Height, Add	159.60	
For 1' To 1'-6" Extra Height, Add	304.49	
For Composite Door Instead Of Full Panel Door, Add	25.96	
For Type 304 Stainless Steel Door, Add	467.54	
For Type 316 Stainless Steel Door, Add	755.93	
For Embossed Panel, Add	138.43	
For Galvanized Steel, Add	86.52	
For Baked Enamel Finish, Add	246.29	
For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
For 45 Minutes Rated Door And FM Label, Add	41.40	
For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
For >50 To 100, Deduct	-38.00	
For >100, Deduct	-55.47	
For 2" Thick Door, Add	44.87	
For Insulated Door (Polystyrene Core), Add	57.68	
For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	144.20	
For Seamless Edge (Welded), Add	72.10	
For Steel Stiffened, Add	144.20	
08 13 13 13-0108 PR Pair 2'-6" x 8' x 1-3/4" 18 Gauge Metal Door (Unrated)	1,117.69	98.79
For 18 Gauge, Grade II, Heavy Duty, Add	184.02	
For Up To 1' Extra Height, Add	254.59	
For 1' To 1'-6" Extra Height, Add	485.73	
For Composite Door Instead Of Full Panel Door, Add	41.40	
For Type 304 Stainless Steel Door, Add	745.97	
For Type 316 Stainless Steel Door, Add	1,206.02	
For Embossed Panel, Add	220.83	
For Galvanized Steel, Add	138.02	
For Baked Enamel Finish, Add	394.58	
For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
For 45 Minutes Rated Door And FM Label, Add	41.40	
For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
For >50 To 100, Deduct	-60.82	
For >100, Deduct	-88.77	
For 2" Thick Door, Add	71.65	
For Insulated Door (Polystyrene Core), Add	92.01	
For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	230.03	
For Seamless Edge (Welded), Add	115.01	
For Steel Stiffened, Add	230.03	
08 13 13 13-0109 PR Pair 2'-8" x 8' x 1-3/4" 18 Gauge Metal Door (Unrated)	1,131.43	98.79
For 18 Gauge, Grade II, Heavy Duty, Add	186.77	
For Up To 1' Extra Height, Add	258.40	
For 1' To 1'-6" Extra Height, Add	492.98	
For Composite Door Instead Of Full Panel Door, Add	42.02	
For Type 304 Stainless Steel Door, Add	756.96	
For Type 316 Stainless Steel Door, Add	1,223.88	
For Embossed Panel, Add	224.12	
For Galvanized Steel, Add	140.08	
For Baked Enamel Finish, Add	398.70	
For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
For 45 Minutes Rated Door And FM Label, Add	41.40	
For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
For >50 To 100, Deduct	-61.51	
For >100, Deduct	-89.80	
For 2" Thick Door, Add	72.64	
For Insulated Door (Polystyrene Core), Add	93.39	
For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	233.46	
For Seamless Edge (Welded), Add	116.73	
For Steel Stiffened, Add	233.46	
08 13 13 13-0110 PR Pair 2'-10" x 8' x 1-3/4" 18 Gauge Metal Door (Unrated)	1,115.68	88.17
For 18 Gauge, Grade II, Heavy Duty, Add	187.87	
For Up To 1' Extra Height, Add	259.92	
For 1' To 1'-6" Extra Height, Add	495.88	
For Composite Door Instead Of Full Panel Door, Add	42.27	
For Type 304 Stainless Steel Door, Add	760.29	
For Type 316 Stainless Steel Door, Add	1,229.96	
For Embossed Panel, Add	225.44	
For Galvanized Steel, Add	140.90	
For Baked Enamel Finish, Add	387.61	
For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
For 45 Minutes Rated Door And FM Label, Add	41.40	
For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
For >50 To 100, Deduct	-60.19	
For >100, Deduct	-88.08	
For 2" Thick Door, Add	72.51	
For Insulated Door (Polystyrene Core), Add	93.93	
For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	234.84	
For Seamless Edge (Welded), Add	117.42	
For Steel Stiffened, Add	234.84	

08	Openings
08 10	Doors And Frames
08 13	Metal Doors



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13 13-0111	PR		Pair 3' x 8' x 1-3/4" 18 Gauge Metal Door (Unrated).....	1,151.00	103.09
			<i>For 18 Gauge, Grade II, Heavy Duty, Add</i>	188.97	
			<i>For Up To 1' Extra Height, Add</i>	261.43	
			<i>For 1' To 1'-6" Extra Height, Add</i>	498.78	
			<i>For Composite Door Instead Of Full Panel Door, Add</i>	42.52	
			<i>For Type 304 Stainless Steel Door, Add</i>	766.17	
			<i>For Type 316 Stainless Steel Door, Add</i>	1,238.59	
			<i>For Embossed Panel, Add</i>	226.76	
			<i>For Galvanized Steel, Add</i>	141.72	
			<i>For Baked Enamel Finish, Add</i>	407.15	
			<i>For 20 Minutes To 30 Minutes Rated Door And FM Label, Add</i>	27.63	
			<i>For 45 Minutes Rated Door And FM Label, Add</i>	41.40	
			<i>For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add</i>	55.27	
			<i>For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add</i>	93.38	
			<i>For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add</i>	131.50	
			<i>For >50 To 100, Deduct</i>	-62.70	
			<i>For >100, Deduct</i>	-91.48	
			<i>For 2" Thick Door, Add</i>	73.65	
			<i>For Insulated Door (Polystyrene Core), Add</i>	94.48	
			<i>For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add</i>	236.21	
			<i>For Seamless Edge (Welded), Add</i>	118.10	
			<i>For Steel Stiffened, Add</i>	236.21	
08 13 13 13-0112	PR		Pair 3'-6" x 8' x 1-3/4" 18 Gauge Metal Door (Unrated)	1,258.47	107.38
			<i>For 18 Gauge, Grade II, Heavy Duty, Add</i>	208.74	
			<i>For Up To 1' Extra Height, Add</i>	288.79	
			<i>For 1' To 1'-6" Extra Height, Add</i>	550.97	
			<i>For Composite Door Instead Of Full Panel Door, Add</i>	46.97	
			<i>For Type 304 Stainless Steel Door, Add</i>	845.71	
			<i>For Type 316 Stainless Steel Door, Add</i>	1,367.56	
			<i>For Embossed Panel, Add</i>	250.49	
			<i>For Galvanized Steel, Add</i>	156.56	
			<i>For Baked Enamel Finish, Add</i>	441.97	
			<i>For 20 Minutes To 30 Minutes Rated Door And FM Label, Add</i>	27.63	
			<i>For 45 Minutes Rated Door And FM Label, Add</i>	41.40	
			<i>For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add</i>	55.27	
			<i>For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add</i>	93.38	
			<i>For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add</i>	131.50	
			<i>For >50 To 100, Deduct</i>	-68.29	
			<i>For >100, Deduct</i>	-99.75	
			<i>For 2" Thick Door, Add</i>	81.04	
			<i>For Insulated Door (Polystyrene Core), Add</i>	104.37	
			<i>For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add</i>	260.93	
			<i>For Seamless Edge (Welded), Add</i>	130.46	
			<i>For Steel Stiffened, Add</i>	260.93	
08 13 13 13-0113	PR		Pair 4' x 8' x 1-3/4" 18 Gauge Metal Door (Unrated).....	1,385.53	115.97
			<i>For Composite Door Instead Of Full Panel Door, Add</i>	51.91	
			<i>For Type 304 Stainless Steel Door, Add</i>	934.46	
			<i>For Type 316 Stainless Steel Door, Add</i>	1,511.25	
			<i>For Embossed Panel, Add</i>	276.86	
			<i>For Galvanized Steel, Add</i>	173.04	
			<i>For Baked Enamel Finish, Add</i>	485.24	
			<i>For 20 Minutes To 30 Minutes Rated Door And FM Label, Add</i>	27.63	
			<i>For 45 Minutes Rated Door And FM Label, Add</i>	41.40	
			<i>For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add</i>	55.27	
			<i>For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add</i>	93.38	
			<i>For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add</i>	131.50	
			<i>For >50 To 100, Deduct</i>	-75.08	
			<i>For >100, Deduct</i>	-109.71	
			<i>For 2" Thick Door, Add</i>	89.43	
			<i>For Insulated Door (Polystyrene Core), Add</i>	115.36	
			<i>For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add</i>	288.40	
			<i>For Seamless Edge (Welded), Add</i>	144.20	
			<i>For Steel Stiffened, Add</i>	288.40	

08 13 13 13-0114 16 Gauge 1-3/4" Unrated Door (08 13 13 13)

08 13 13 13-0115 6'-8" High (08 13 13 13-0114)



Openings	08
Doors And Frames	08 10
Metal Doors	08 13

08

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13 13-0116 EA 2' x 6'-8" x 1-3/4" 16 Gauge Metal Door (Unrated).....	601.72	49.73
For 16 Gauge, Grade III, Extra Heavy Duty, Add	150.68	
For 14 Gauge, Grade III, Extra Heavy Duty, Add	200.90	
For Composite Door Instead Of Full Panel Door, Add	22.60	
For Type 304 Stainless Steel Door, Add	406.77	
For Type 316 Stainless Steel Door, Add	657.90	
For Embossed Panel, Add	120.54	
For Galvanized Steel, Add	75.34	
For Baked Enamel Finish, Add	210.36	
For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
For 45 Minutes Rated Door And FM Label, Add	41.40	
For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
For >50 To 100, Deduct	-32.57	
For >100, Deduct	-47.62	
For 2" Thick Door, Add	38.90	
For Insulated Door (Polystyrene Core), Add	50.23	
For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	125.56	
For Seamless Edge (Welded), Add	62.78	
For Steel Stiffened, Add	125.56	
08 13 13 13-0117 EA 2'-4" x 6'-8" x 1-3/4" 16 Gauge Metal Door (Unrated).....	601.72	49.73
For 16 Gauge, Grade III, Extra Heavy Duty, Add	150.68	
For 14 Gauge, Grade III, Extra Heavy Duty, Add	200.90	
For Composite Door Instead Of Full Panel Door, Add	22.60	
For Type 304 Stainless Steel Door, Add	406.77	
For Type 316 Stainless Steel Door, Add	657.90	
For Embossed Panel, Add	120.54	
For Galvanized Steel, Add	75.34	
For Baked Enamel Finish, Add	210.36	
For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
For 45 Minutes Rated Door And FM Label, Add	41.40	
For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
For >50 To 100, Deduct	-32.57	
For >100, Deduct	-47.62	
For 2" Thick Door, Add	38.90	
For Insulated Door (Polystyrene Core), Add	50.23	
For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	125.56	
For Seamless Edge (Welded), Add	62.78	
For Steel Stiffened, Add	125.56	
08 13 13 13-0118 EA 2'-6" x 6'-8" x 1-3/4" 16 Gauge Metal Door (Unrated).....	616.51	52.00
For 16 Gauge, Grade III, Extra Heavy Duty, Add	153.76	
For 14 Gauge, Grade III, Extra Heavy Duty, Add	205.01	
For Composite Door Instead Of Full Panel Door, Add	23.06	
For Type 304 Stainless Steel Door, Add	415.22	
For Type 316 Stainless Steel Door, Add	671.48	
For Embossed Panel, Add	123.00	
For Galvanized Steel, Add	76.88	
For Baked Enamel Finish, Add	216.15	
For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
For 45 Minutes Rated Door And FM Label, Add	41.40	
For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
For >50 To 100, Deduct	-33.43	
For >100, Deduct	-48.84	
For 2" Thick Door, Add	39.76	
For Insulated Door (Polystyrene Core), Add	51.25	
For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	128.13	
For Seamless Edge (Welded), Add	64.07	
For Steel Stiffened, Add	128.13	
08 13 13 13-0119 EA 2'-8" x 6'-8" x 1-3/4" 16 Gauge Metal Door (Unrated).....	624.16	52.00
For 16 Gauge, Grade III, Extra Heavy Duty, Add	156.05	
For 14 Gauge, Grade III, Extra Heavy Duty, Add	208.07	
For Composite Door Instead Of Full Panel Door, Add	23.41	
For Type 304 Stainless Steel Door, Add	421.34	
For Type 316 Stainless Steel Door, Add	681.42	
For Embossed Panel, Add	124.84	
For Galvanized Steel, Add	78.03	
For Baked Enamel Finish, Add	218.45	
For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
For 45 Minutes Rated Door And FM Label, Add	41.40	
For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
For >50 To 100, Deduct	-33.81	
For >100, Deduct	-49.41	
For 2" Thick Door, Add	40.31	
For Insulated Door (Polystyrene Core), Add	52.02	
For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	130.04	
For Seamless Edge (Welded), Add	65.02	
For Steel Stiffened, Add	130.04	

08	Openings
08 10	Doors And Frames
08 13	Metal Doors



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13	13-0120	EA	2'-10" x 6'-8" x 1-3/4" 16 Gauge Metal Door (Unrated)	629.49	53.12
			<i>For 16 Gauge, Grade III, Extra Heavy Duty, Add</i>	156.97	
			<i>For 14 Gauge, Grade III, Extra Heavy Duty, Add</i>	209.29	
			<i>For Composite Door Instead Of Full Panel Door, Add</i>	23.55	
			<i>For Type 304 Stainless Steel Door, Add</i>	423.90	
			<i>For Type 316 Stainless Steel Door, Add</i>	685.51	
			<i>For Embossed Panel, Add</i>	125.58	
			<i>For Galvanized Steel, Add</i>	78.48	
			<i>For Baked Enamel Finish, Add</i>	220.73	
			<i>For 20 Minutes To 30 Minutes Rated Door And FM Label, Add</i>	27.63	
			<i>For 45 Minutes Rated Door And FM Label, Add</i>	41.40	
			<i>For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add</i>	55.27	
			<i>For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add</i>	93.38	
			<i>For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add</i>	131.50	
			<i>For >50 To 100, Deduct</i>	-34.13	
			<i>For >100, Deduct</i>	-49.87	
			<i>For 2" Thick Door, Add</i>	40.59	
			<i>For Insulated Door (Polystyrene Core), Add</i>	52.32	
			<i>For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add</i>	130.81	
			<i>For Seamless Edge (Welded), Add</i>	65.40	
			<i>For Steel Stiffened, Add</i>	130.81	
08 13 13	13-0121	EA	3' x 6'-8" x 1-3/4" 16 Gauge Metal Door (Unrated).....	634.80	54.26
			<i>For 16 Gauge, Grade III, Extra Heavy Duty, Add</i>	157.89	
			<i>For 14 Gauge, Grade III, Extra Heavy Duty, Add</i>	210.52	
			<i>For Composite Door Instead Of Full Panel Door, Add</i>	23.68	
			<i>For Type 304 Stainless Steel Door, Add</i>	426.46	
			<i>For Type 316 Stainless Steel Door, Add</i>	689.60	
			<i>For Embossed Panel, Add</i>	126.31	
			<i>For Galvanized Steel, Add</i>	78.94	
			<i>For Baked Enamel Finish, Add</i>	222.99	
			<i>For 20 Minutes To 30 Minutes Rated Door And FM Label, Add</i>	27.63	
			<i>For 45 Minutes Rated Door And FM Label, Add</i>	41.40	
			<i>For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add</i>	55.27	
			<i>For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add</i>	93.38	
			<i>For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add</i>	131.50	
			<i>For >50 To 100, Deduct</i>	-34.45	
			<i>For >100, Deduct</i>	-50.32	
			<i>For 2" Thick Door, Add</i>	40.87	
			<i>For Insulated Door (Polystyrene Core), Add</i>	52.63	
			<i>For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add</i>	131.57	
			<i>For Seamless Edge (Welded), Add</i>	65.79	
			<i>For Steel Stiffened, Add</i>	131.57	
08 13 13	13-0122	EA	3'-4" x 6'-8" x 1-3/4" 16 Gauge Metal Door (Unrated)	674.58	54.26
			<i>For 16 Gauge, Grade III, Extra Heavy Duty, Add</i>	169.82	
			<i>For 14 Gauge, Grade III, Extra Heavy Duty, Add</i>	226.43	
			<i>For Composite Door Instead Of Full Panel Door, Add</i>	25.47	
			<i>For Type 304 Stainless Steel Door, Add</i>	458.28	
			<i>For Type 316 Stainless Steel Door, Add</i>	741.32	
			<i>For Embossed Panel, Add</i>	135.86	
			<i>For Galvanized Steel, Add</i>	84.91	
			<i>For Baked Enamel Finish, Add</i>	234.93	
			<i>For 20 Minutes To 30 Minutes Rated Door And FM Label, Add</i>	27.63	
			<i>For 45 Minutes Rated Door And FM Label, Add</i>	41.40	
			<i>For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add</i>	55.27	
			<i>For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add</i>	93.38	
			<i>For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add</i>	131.50	
			<i>For >50 To 100, Deduct</i>	-36.44	
			<i>For >100, Deduct</i>	-53.31	
			<i>For 2" Thick Door, Add</i>	43.75	
			<i>For Insulated Door (Polystyrene Core), Add</i>	56.61	
			<i>For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add</i>	141.52	
			<i>For Seamless Edge (Welded), Add</i>	70.76	
			<i>For Steel Stiffened, Add</i>	141.52	
08 13 13	13-0123	EA	3'-6" x 6'-8" x 1-3/4" 16 Gauge Metal Door (Unrated)	694.40	56.51
			<i>For 16 Gauge, Grade III, Extra Heavy Duty, Add</i>	174.41	
			<i>For 14 Gauge, Grade III, Extra Heavy Duty, Add</i>	232.54	
			<i>For Composite Door Instead Of Full Panel Door, Add</i>	26.16	
			<i>For Type 304 Stainless Steel Door, Add</i>	470.74	
			<i>For Type 316 Stainless Steel Door, Add</i>	761.42	
			<i>For Embossed Panel, Add</i>	139.53	
			<i>For Galvanized Steel, Add</i>	87.20	
			<i>For Baked Enamel Finish, Add</i>	242.23	
			<i>For 20 Minutes To 30 Minutes Rated Door And FM Label, Add</i>	27.63	
			<i>For 45 Minutes Rated Door And FM Label, Add</i>	41.40	
			<i>For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add</i>	55.27	
			<i>For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add</i>	93.38	
			<i>For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add</i>	131.50	
			<i>For >50 To 100, Deduct</i>	-37.55	
			<i>For >100, Deduct</i>	-54.91	
			<i>For 2" Thick Door, Add</i>	44.97	
			<i>For Insulated Door (Polystyrene Core), Add</i>	58.14	
			<i>For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add</i>	145.34	
			<i>For Seamless Edge (Welded), Add</i>	72.67	
			<i>For Steel Stiffened, Add</i>	145.34	



Openings	08	08
Doors And Frames	08 10	
Metal Doors	08 13	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13 13-0124 EA 4' x 6'-8" x 1-3/4" 16 Gauge Metal Door (Unrated).....	764.64	61.04
For 16 Gauge, Grade III, Extra Heavy Duty, Add	192.77	
For 14 Gauge, Grade III, Extra Heavy Duty, Add	257.02	
For Composite Door Instead Of Full Panel Door, Add	28.92	
For Type 304 Stainless Steel Door, Add	520.15	
For Type 316 Stainless Steel Door, Add	841.43	
For Embossed Panel, Add	154.21	
For Galvanized Steel, Add	96.38	
For Baked Enamel Finish, Add	266.02	
For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
For 45 Minutes Rated Door And FM Label, Add	41.40	
For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
For >50 To 100, Deduct	-41.28	
For >100, Deduct	-60.40	
For 2" Thick Door, Add	49.64	
For Insulated Door (Polystyrene Core), Add	64.26	
For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	160.64	
For Seamless Edge (Welded), Add	80.32	
For Steel Stiffened, Add	160.64	
08 13 13 13-0125 PR Pair 2'-6" x 6'-8" x 1-3/4" 16 Gauge Metal Door (Unrated).....	1,222.62	98.79
For 16 Gauge, Grade III, Extra Heavy Duty, Add	307.51	
For 14 Gauge, Grade III, Extra Heavy Duty, Add	410.02	
For Composite Door Instead Of Full Panel Door, Add	46.13	
For Type 304 Stainless Steel Door, Add	829.91	
For Type 316 Stainless Steel Door, Add	1,342.43	
For Embossed Panel, Add	246.01	
For Galvanized Steel, Add	153.76	
For Baked Enamel Finish, Add	426.06	
For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
For 45 Minutes Rated Door And FM Label, Add	41.40	
For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
For >50 To 100, Deduct	-66.07	
For >100, Deduct	-96.64	
For 2" Thick Door, Add	79.25	
For Insulated Door (Polystyrene Core), Add	102.50	
For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	256.26	
For Seamless Edge (Welded), Add	128.13	
For Steel Stiffened, Add	256.26	
08 13 13 13-0126 PR Pair 2'-8" x 6'-8" x 1-3/4" 16 Gauge Metal Door (Unrated).....	1,237.92	98.79
For 16 Gauge, Grade III, Extra Heavy Duty, Add	312.10	
For 14 Gauge, Grade III, Extra Heavy Duty, Add	416.14	
For Composite Door Instead Of Full Panel Door, Add	46.82	
For Type 304 Stainless Steel Door, Add	842.15	
For Type 316 Stainless Steel Door, Add	1,362.32	
For Embossed Panel, Add	249.68	
For Galvanized Steel, Add	156.05	
For Baked Enamel Finish, Add	430.65	
For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
For 45 Minutes Rated Door And FM Label, Add	41.40	
For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
For >50 To 100, Deduct	-66.84	
For >100, Deduct	-97.78	
For 2" Thick Door, Add	80.36	
For Insulated Door (Polystyrene Core), Add	104.03	
For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	260.09	
For Seamless Edge (Welded), Add	130.04	
For Steel Stiffened, Add	260.09	
08 13 13 13-0127 PR Pair 2'-10" x 6'-8" x 1-3/4" 16 Gauge Metal Door (Unrated).....	1,222.80	88.17
For 16 Gauge, Grade III, Extra Heavy Duty, Add	313.94	
For 14 Gauge, Grade III, Extra Heavy Duty, Add	418.58	
For Composite Door Instead Of Full Panel Door, Add	47.09	
For Type 304 Stainless Steel Door, Add	845.99	
For Type 316 Stainless Steel Door, Add	1,369.22	
For Embossed Panel, Add	251.15	
For Galvanized Steel, Add	156.97	
For Baked Enamel Finish, Add	419.74	
For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
For 45 Minutes Rated Door And FM Label, Add	41.40	
For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
For >50 To 100, Deduct	-65.55	
For >100, Deduct	-96.12	
For 2" Thick Door, Add	80.28	
For Insulated Door (Polystyrene Core), Add	104.65	
For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	261.62	
For Seamless Edge (Welded), Add	130.81	
For Steel Stiffened, Add	261.62	

08	Openings
08 10	Doors And Frames
08 13	Metal Doors



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13 13-0128 PR Pair 3' x 6'-8" x 1-3/4" 16 Gauge Metal Door (Unrated)	1,258.75	103.09
For 16 Gauge, Grade III, Extra Heavy Duty, Add	315.77	
For 14 Gauge, Grade III, Extra Heavy Duty, Add	421.03	
For Composite Door Instead Of Full Panel Door, Add	47.37	
For Type 304 Stainless Steel Door, Add	852.37	
For Type 316 Stainless Steel Door, Add	1,378.66	
For Embossed Panel, Add	252.62	
For Galvanized Steel, Add	157.89	
For Baked Enamel Finish, Add	439.48	
For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
For 45 Minutes Rated Door And FM Label, Add	41.40	
For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
For >50 To 100, Deduct	-68.09	
For >100, Deduct	-99.56	
For 2" Thick Door, Add	81.47	
For Insulated Door (Polystyrene Core), Add	105.26	
For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	263.15	
For Seamless Edge (Welded), Add	131.57	
For Steel Stiffened, Add	263.15	
08 13 13 13-0129 PR Pair 3'-6" x 6'-8" x 1-3/4" 16 Gauge Metal Door (Unrated)	1,377.49	107.38
For 16 Gauge, Grade III, Extra Heavy Duty, Add	348.82	
For 14 Gauge, Grade III, Extra Heavy Duty, Add	465.09	
For Composite Door Instead Of Full Panel Door, Add	52.32	
For Type 304 Stainless Steel Door, Add	940.92	
For Type 316 Stainless Steel Door, Add	1,522.29	
For Embossed Panel, Add	279.06	
For Galvanized Steel, Add	174.41	
For Baked Enamel Finish, Add	477.68	
For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
For 45 Minutes Rated Door And FM Label, Add	41.40	
For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
For >50 To 100, Deduct	-74.24	
For >100, Deduct	-108.68	
For 2" Thick Door, Add	89.67	
For Insulated Door (Polystyrene Core), Add	116.27	
For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	290.68	
For Seamless Edge (Welded), Add	145.34	
For Steel Stiffened, Add	290.68	
08 13 13 13-0130 PR Pair 4' x 6'-8" x 1-3/4" 16 Gauge Metal Door (Unrated)	1,517.07	115.97
For 16 Gauge, Grade III, Extra Heavy Duty, Add	385.54	
For 14 Gauge, Grade III, Extra Heavy Duty, Add	514.05	
For Composite Door Instead Of Full Panel Door, Add	57.83	
For Type 304 Stainless Steel Door, Add	1,039.69	
For Type 316 Stainless Steel Door, Add	1,682.25	
For Embossed Panel, Add	308.43	
For Galvanized Steel, Add	192.77	
For Baked Enamel Finish, Add	524.71	
For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
For 45 Minutes Rated Door And FM Label, Add	41.40	
For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
For >50 To 100, Deduct	-81.65	
For >100, Deduct	-119.58	
For 2" Thick Door, Add	98.97	
For Insulated Door (Polystyrene Core), Add	128.51	
For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	321.28	
For Seamless Edge (Welded), Add	160.64	
For Steel Stiffened, Add	321.28	
08 13 13 13-0131 7' High (08 13 13 13-0114)		
08 13 13 13-0132 EA 2' x 7' x 1-3/4" 16 Gauge Metal Door (Unrated)	613.64	49.73
For 16 Gauge, Grade III, Extra Heavy Duty, Add	154.25	
For 14 Gauge, Grade III, Extra Heavy Duty, Add	205.67	
For Composite Door Instead Of Full Panel Door, Add	23.14	
For Type 304 Stainless Steel Door, Add	416.31	
For Type 316 Stainless Steel Door, Add	673.39	
For Embossed Panel, Add	123.40	
For Galvanized Steel, Add	77.13	
For Baked Enamel Finish, Add	213.93	
For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
For 45 Minutes Rated Door And FM Label, Add	41.40	
For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
For >50 To 100, Deduct	-33.17	
For >100, Deduct	-48.51	
For 2" Thick Door, Add	39.76	
For Insulated Door (Polystyrene Core), Add	51.42	
For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	128.54	
For Seamless Edge (Welded), Add	64.27	
For Steel Stiffened, Add	128.54	



Openings	08	08
Doors And Frames	08 10	
Metal Doors	08 13	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13 13-0133 EA 2'-4" x 7' x 1-3/4" 16 Gauge Metal Door (Unrated).....	613.64	49.73
For 16 Gauge, Grade III, Extra Heavy Duty, Add	154.25	
For 14 Gauge, Grade III, Extra Heavy Duty, Add	205.67	
For Composite Door Instead Of Full Panel Door, Add	23.14	
For Type 304 Stainless Steel Door, Add	416.31	
For Type 316 Stainless Steel Door, Add	673.39	
For Embossed Panel, Add	123.40	
For Galvanized Steel, Add	77.13	
For Baked Enamel Finish, Add	213.93	
For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
For 45 Minutes Rated Door And FM Label, Add	41.40	
For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
For >50 To 100, Deduct	-33.17	
For >100, Deduct	-48.51	
For 2" Thick Door, Add	39.76	
For Insulated Door (Polystyrene Core), Add	51.42	
For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	128.54	
For Seamless Edge (Welded), Add	64.27	
For Steel Stiffened, Add	128.54	
08 13 13 13-0134 EA 2'-6" x 7' x 1-3/4" 16 Gauge Metal Door (Unrated).....	628.67	52.00
For 16 Gauge, Grade III, Extra Heavy Duty, Add	157.40	
For 14 Gauge, Grade III, Extra Heavy Duty, Add	209.87	
For Composite Door Instead Of Full Panel Door, Add	23.61	
For Type 304 Stainless Steel Door, Add	424.94	
For Type 316 Stainless Steel Door, Add	687.28	
For Embossed Panel, Add	125.92	
For Galvanized Steel, Add	78.70	
For Baked Enamel Finish, Add	219.80	
For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
For 45 Minutes Rated Door And FM Label, Add	41.40	
For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
For >50 To 100, Deduct	-34.03	
For >100, Deduct	-49.75	
For 2" Thick Door, Add	40.64	
For Insulated Door (Polystyrene Core), Add	52.47	
For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	131.17	
For Seamless Edge (Welded), Add	65.59	
For Steel Stiffened, Add	131.17	
08 13 13 13-0135 EA 2'-8" x 7' x 1-3/4" 16 Gauge Metal Door (Unrated).....	636.50	52.00
For 16 Gauge, Grade III, Extra Heavy Duty, Add	159.75	
For 14 Gauge, Grade III, Extra Heavy Duty, Add	213.00	
For Composite Door Instead Of Full Panel Door, Add	23.96	
For Type 304 Stainless Steel Door, Add	431.21	
For Type 316 Stainless Steel Door, Add	697.46	
For Embossed Panel, Add	127.80	
For Galvanized Steel, Add	79.88	
For Baked Enamel Finish, Add	222.15	
For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
For 45 Minutes Rated Door And FM Label, Add	41.40	
For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
For >50 To 100, Deduct	-34.42	
For >100, Deduct	-50.34	
For 2" Thick Door, Add	41.21	
For Insulated Door (Polystyrene Core), Add	53.25	
For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	133.13	
For Seamless Edge (Welded), Add	66.56	
For Steel Stiffened, Add	133.13	
08 13 13 13-0136 EA 2'-10" x 7' x 1-3/4" 16 Gauge Metal Door (Unrated).....	641.90	53.12
For 16 Gauge, Grade III, Extra Heavy Duty, Add	160.69	
For 14 Gauge, Grade III, Extra Heavy Duty, Add	214.26	
For Composite Door Instead Of Full Panel Door, Add	24.10	
For Type 304 Stainless Steel Door, Add	433.83	
For Type 316 Stainless Steel Door, Add	701.65	
For Embossed Panel, Add	128.55	
For Galvanized Steel, Add	80.35	
For Baked Enamel Finish, Add	224.45	
For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
For 45 Minutes Rated Door And FM Label, Add	41.40	
For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
For >50 To 100, Deduct	-34.75	
For >100, Deduct	-50.80	
For 2" Thick Door, Add	41.49	
For Insulated Door (Polystyrene Core), Add	53.56	
For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	133.91	
For Seamless Edge (Welded), Add	66.96	
For Steel Stiffened, Add	133.91	

08 Openings
08 10 Doors And Frames
08 13 Metal Doors



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13	13-0137	EA	3' x 7' x 1-3/4" 16 Gauge Metal Door (Unrated)	647.29	54.26
			For 16 Gauge, Grade III, Extra Heavy Duty, Add	161.63	
			For 14 Gauge, Grade III, Extra Heavy Duty, Add	215.51	
			For Composite Door Instead Of Full Panel Door, Add	24.25	
			For Type 304 Stainless Steel Door, Add	436.45	
			For Type 316 Stainless Steel Door, Add	705.84	
			For Embossed Panel, Add	129.31	
			For Galvanized Steel, Add	80.82	
			For Baked Enamel Finish, Add	226.74	
			For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
			For 45 Minutes Rated Door And FM Label, Add	41.40	
			For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
			For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
			For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
			For >50 To 100, Deduct	-35.08	
			For >100, Deduct	-51.26	
			For 2" Thick Door, Add	41.77	
			For Insulated Door (Polystyrene Core), Add	53.88	
			For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	134.70	
			For Seamless Edge (Welded), Add	67.35	
			For Steel Stiffened, Add	134.70	
08 13 13	13-0138	EA	3'-4" x 7' x 1-3/4" 16 Gauge Metal Door (Unrated)	688.01	54.26
			For 16 Gauge, Grade III, Extra Heavy Duty, Add	173.85	
			For 14 Gauge, Grade III, Extra Heavy Duty, Add	231.80	
			For Composite Door Instead Of Full Panel Door, Add	26.08	
			For Type 304 Stainless Steel Door, Add	469.03	
			For Type 316 Stainless Steel Door, Add	758.78	
			For Embossed Panel, Add	139.08	
			For Galvanized Steel, Add	86.93	
			For Baked Enamel Finish, Add	238.96	
			For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
			For 45 Minutes Rated Door And FM Label, Add	41.40	
			For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
			For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
			For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
			For >50 To 100, Deduct	-37.11	
			For >100, Deduct	-54.31	
			For 2" Thick Door, Add	44.73	
			For Insulated Door (Polystyrene Core), Add	57.95	
			For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	144.88	
			For Seamless Edge (Welded), Add	72.44	
			For Steel Stiffened, Add	144.88	
08 13 13	13-0139	EA	3'-6" x 7' x 1-3/4" 16 Gauge Metal Door (Unrated)	708.20	56.51
			For 16 Gauge, Grade III, Extra Heavy Duty, Add	178.55	
			For 14 Gauge, Grade III, Extra Heavy Duty, Add	238.06	
			For Composite Door Instead Of Full Panel Door, Add	26.78	
			For Type 304 Stainless Steel Door, Add	481.78	
			For Type 316 Stainless Steel Door, Add	779.36	
			For Embossed Panel, Add	142.84	
			For Galvanized Steel, Add	89.27	
			For Baked Enamel Finish, Add	246.37	
			For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
			For 45 Minutes Rated Door And FM Label, Add	41.40	
			For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
			For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
			For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
			For >50 To 100, Deduct	-38.24	
			For >100, Deduct	-55.94	
			For 2" Thick Door, Add	45.98	
			For Insulated Door (Polystyrene Core), Add	59.52	
			For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	148.79	
			For Seamless Edge (Welded), Add	74.40	
			For Steel Stiffened, Add	148.79	
08 13 13	13-0140	EA	4' x 7' x 1-3/4" 16 Gauge Metal Door (Unrated)	779.89	61.04
			For 16 Gauge, Grade III, Extra Heavy Duty, Add	197.34	
			For 14 Gauge, Grade III, Extra Heavy Duty, Add	263.12	
			For Composite Door Instead Of Full Panel Door, Add	29.60	
			For Type 304 Stainless Steel Door, Add	532.35	
			For Type 316 Stainless Steel Door, Add	861.26	
			For Embossed Panel, Add	157.87	
			For Galvanized Steel, Add	98.67	
			For Baked Enamel Finish, Add	270.59	
			For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
			For 45 Minutes Rated Door And FM Label, Add	41.40	
			For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
			For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
			For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
			For >50 To 100, Deduct	-42.05	
			For >100, Deduct	-61.54	
			For 2" Thick Door, Add	50.74	
			For Insulated Door (Polystyrene Core), Add	65.78	
			For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	164.45	
			For Seamless Edge (Welded), Add	82.23	
			For Steel Stiffened, Add	164.45	



Openings	08	08
Doors And Frames	08 10	
Metal Doors	08 13	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13 13-0141 PR Pair 2'-6" x 7' x 1-3/4" 16 Gauge Metal Door (Unrated)	1,246.94	98.79
For 16 Gauge, Grade III, Extra Heavy Duty, Add	314.81	
For 14 Gauge, Grade III, Extra Heavy Duty, Add	419.74	
For Composite Door Instead Of Full Panel Door, Add	47.22	
For Type 304 Stainless Steel Door, Add	849.37	
For Type 316 Stainless Steel Door, Add	1,374.05	
For Embossed Panel, Add	251.85	
For Galvanized Steel, Add	157.40	
For Baked Enamel Finish, Add	433.36	
For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
For 45 Minutes Rated Door And FM Label, Add	41.40	
For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
For >50 To 100, Deduct	-67.29	
For >100, Deduct	-98.46	
For 2" Thick Door, Add	81.02	
For Insulated Door (Polystyrene Core), Add	104.94	
For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	262.34	
For Seamless Edge (Welded), Add	131.17	
For Steel Stiffened, Add	262.34	
08 13 13 13-0142 PR Pair 2'-8" x 7' x 1-3/4" 16 Gauge Metal Door (Unrated)	1,262.61	98.79
For 16 Gauge, Grade III, Extra Heavy Duty, Add	319.51	
For 14 Gauge, Grade III, Extra Heavy Duty, Add	426.01	
For Composite Door Instead Of Full Panel Door, Add	47.93	
For Type 304 Stainless Steel Door, Add	861.90	
For Type 316 Stainless Steel Door, Add	1,394.42	
For Embossed Panel, Add	255.61	
For Galvanized Steel, Add	159.75	
For Baked Enamel Finish, Add	438.06	
For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
For 45 Minutes Rated Door And FM Label, Add	41.40	
For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
For >50 To 100, Deduct	-68.07	
For >100, Deduct	-99.64	
For 2" Thick Door, Add	82.15	
For Insulated Door (Polystyrene Core), Add	106.50	
For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	266.26	
For Seamless Edge (Welded), Add	133.13	
For Steel Stiffened, Add	266.26	
08 13 13 13-0143 PR Pair 2'-10" x 7' x 1-3/4" 16 Gauge Metal Door (Unrated)	1,247.63	88.17
For 16 Gauge, Grade III, Extra Heavy Duty, Add	321.39	
For 14 Gauge, Grade III, Extra Heavy Duty, Add	428.52	
For Composite Door Instead Of Full Panel Door, Add	48.21	
For Type 304 Stainless Steel Door, Add	865.85	
For Type 316 Stainless Steel Door, Add	1,401.49	
For Embossed Panel, Add	257.11	
For Galvanized Steel, Add	160.69	
For Baked Enamel Finish, Add	427.19	
For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
For 45 Minutes Rated Door And FM Label, Add	41.40	
For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
For >50 To 100, Deduct	-66.79	
For >100, Deduct	-97.98	
For 2" Thick Door, Add	82.08	
For Insulated Door (Polystyrene Core), Add	107.13	
For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	267.82	
For Seamless Edge (Welded), Add	133.91	
For Steel Stiffened, Add	267.82	
08 13 13 13-0144 PR Pair 3' x 7' x 1-3/4" 16 Gauge Metal Door (Unrated)	1,283.73	103.09
For 16 Gauge, Grade III, Extra Heavy Duty, Add	323.27	
For 14 Gauge, Grade III, Extra Heavy Duty, Add	431.02	
For Composite Door Instead Of Full Panel Door, Add	48.49	
For Type 304 Stainless Steel Door, Add	872.36	
For Type 316 Stainless Steel Door, Add	1,411.14	
For Embossed Panel, Add	258.61	
For Galvanized Steel, Add	161.63	
For Baked Enamel Finish, Add	446.97	
For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
For 45 Minutes Rated Door And FM Label, Add	41.40	
For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
For >50 To 100, Deduct	-69.34	
For >100, Deduct	-101.43	
For 2" Thick Door, Add	83.28	
For Insulated Door (Polystyrene Core), Add	107.76	
For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	269.39	
For Seamless Edge (Welded), Add	134.70	
For Steel Stiffened, Add	269.39	

08	Openings
08 10	Doors And Frames
08 13	Metal Doors



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13	13-0145	PR	Pair 3'-6" x 7' x 1-3/4" 16 Gauge Metal Door (Unrated)	1,405.08	107.38
			For 16 Gauge, Grade III, Extra Heavy Duty, Add	357.10	
			For 14 Gauge, Grade III, Extra Heavy Duty, Add	476.13	
			For Composite Door Instead Of Full Panel Door, Add	53.56	
			For Type 304 Stainless Steel Door, Add	962.99	
			For Type 316 Stainless Steel Door, Add	1,558.15	
			For Embossed Panel, Add	285.68	
			For Galvanized Steel, Add	178.55	
			For Baked Enamel Finish, Add	485.95	
			For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
			For 45 Minutes Rated Door And FM Label, Add	41.40	
			For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
			For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
			For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
			For >50 To 100, Deduct	-75.62	
			For >100, Deduct	-110.75	
			For 2" Thick Door, Add	91.67	
			For Insulated Door (Polystyrene Core), Add	119.03	
			For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	297.58	
			For Seamless Edge (Welded), Add	148.79	
			For Steel Stiffened, Add	297.58	
08 13 13	13-0146	PR	Pair 4' x 7' x 1-3/4" 16 Gauge Metal Door (Unrated)	1,547.57	115.97
			For 16 Gauge, Grade III, Extra Heavy Duty, Add	394.69	
			For 14 Gauge, Grade III, Extra Heavy Duty, Add	526.25	
			For Composite Door Instead Of Full Panel Door, Add	59.20	
			For Type 304 Stainless Steel Door, Add	1,064.09	
			For Type 316 Stainless Steel Door, Add	1,721.90	
			For Embossed Panel, Add	315.75	
			For Galvanized Steel, Add	197.34	
			For Baked Enamel Finish, Add	533.86	
			For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
			For 45 Minutes Rated Door And FM Label, Add	41.40	
			For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
			For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
			For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
			For >50 To 100, Deduct	-83.18	
			For >100, Deduct	-121.87	
			For 2" Thick Door, Add	101.18	
			For Insulated Door (Polystyrene Core), Add	131.56	
			For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	328.91	
			For Seamless Edge (Welded), Add	164.45	
			For Steel Stiffened, Add	328.91	
08 13 13	13-0147		7'-2" High (08 13 13 13-0114)		
08 13 13	13-0148	EA	2' x 7'-2" x 1-3/4" 16 Gauge Metal Door (Unrated)	625.56	49.73
			For 16 Gauge, Grade III, Extra Heavy Duty, Add	157.83	
			For 14 Gauge, Grade III, Extra Heavy Duty, Add	210.44	
			For Composite Door Instead Of Full Panel Door, Add	23.67	
			For Type 304 Stainless Steel Door, Add	425.85	
			For Type 316 Stainless Steel Door, Add	688.89	
			For Embossed Panel, Add	126.26	
			For Galvanized Steel, Add	78.91	
			For Baked Enamel Finish, Add	217.51	
			For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
			For 45 Minutes Rated Door And FM Label, Add	41.40	
			For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
			For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
			For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
			For >50 To 100, Deduct	-33.76	
			For >100, Deduct	-49.40	
			For 2" Thick Door, Add	40.63	
			For Insulated Door (Polystyrene Core), Add	52.61	
			For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	131.52	
			For Seamless Edge (Welded), Add	65.76	
			For Steel Stiffened, Add	131.52	
08 13 13	13-0149	EA	2'-4" x 7'-2" x 1-3/4" 16 Gauge Metal Door (Unrated)	625.56	49.73
			For 16 Gauge, Grade III, Extra Heavy Duty, Add	157.83	
			For 14 Gauge, Grade III, Extra Heavy Duty, Add	210.44	
			For Composite Door Instead Of Full Panel Door, Add	23.67	
			For Type 304 Stainless Steel Door, Add	425.85	
			For Type 316 Stainless Steel Door, Add	688.89	
			For Embossed Panel, Add	126.26	
			For Galvanized Steel, Add	78.91	
			For Baked Enamel Finish, Add	217.51	
			For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
			For 45 Minutes Rated Door And FM Label, Add	41.40	
			For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
			For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
			For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
			For >50 To 100, Deduct	-33.76	
			For >100, Deduct	-49.40	
			For 2" Thick Door, Add	40.63	
			For Insulated Door (Polystyrene Core), Add	52.61	
			For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	131.52	
			For Seamless Edge (Welded), Add	65.76	
			For Steel Stiffened, Add	131.52	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13	13-0150	EA		2'-6" x 7'-2" x 1-3/4" 16 Gauge Metal Door (Unrated)	640.84	52.00
				<i>For 16 Gauge, Grade III, Extra Heavy Duty, Add</i>	161.06	
				<i>For 14 Gauge, Grade III, Extra Heavy Duty, Add</i>	214.74	
				<i>For Composite Door Instead Of Full Panel Door, Add</i>	24.16	
				<i>For Type 304 Stainless Steel Door, Add</i>	434.68	
				<i>For Type 316 Stainless Steel Door, Add</i>	703.10	
				<i>For Embossed Panel, Add</i>	128.84	
				<i>For Galvanized Steel, Add</i>	80.53	
				<i>For Baked Enamel Finish, Add</i>	223.45	
				<i>For 20 Minutes To 30 Minutes Rated Door And FM Label, Add</i>	27.63	
				<i>For 45 Minutes Rated Door And FM Label, Add</i>	41.40	
				<i>For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add</i>	55.27	
				<i>For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add</i>	93.38	
				<i>For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add</i>	131.50	
				<i>For >50 To 100, Deduct</i>	-34.64	
				<i>For >100, Deduct</i>	-50.66	
				<i>For 2" Thick Door, Add</i>	41.52	
				<i>For Insulated Door (Polystyrene Core), Add</i>	53.69	
				<i>For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add</i>	134.21	
				<i>For Seamless Edge (Welded), Add</i>	67.11	
				<i>For Steel Stiffened, Add</i>	134.21	
08 13 13	13-0151	EA		2'-8" x 7'-2" x 1-3/4" 16 Gauge Metal Door (Unrated)	648.85	52.00
				<i>For 16 Gauge, Grade III, Extra Heavy Duty, Add</i>	163.46	
				<i>For 14 Gauge, Grade III, Extra Heavy Duty, Add</i>	217.94	
				<i>For Composite Door Instead Of Full Panel Door, Add</i>	24.52	
				<i>For Type 304 Stainless Steel Door, Add</i>	441.09	
				<i>For Type 316 Stainless Steel Door, Add</i>	713.52	
				<i>For Embossed Panel, Add</i>	130.77	
				<i>For Galvanized Steel, Add</i>	81.73	
				<i>For Baked Enamel Finish, Add</i>	225.85	
				<i>For 20 Minutes To 30 Minutes Rated Door And FM Label, Add</i>	27.63	
				<i>For 45 Minutes Rated Door And FM Label, Add</i>	41.40	
				<i>For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add</i>	55.27	
				<i>For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add</i>	93.38	
				<i>For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add</i>	131.50	
				<i>For >50 To 100, Deduct</i>	-35.04	
				<i>For >100, Deduct</i>	-51.26	
				<i>For 2" Thick Door, Add</i>	42.10	
				<i>For Insulated Door (Polystyrene Core), Add</i>	54.49	
				<i>For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add</i>	136.22	
				<i>For Seamless Edge (Welded), Add</i>	68.11	
				<i>For Steel Stiffened, Add</i>	136.22	
08 13 13	13-0152	EA		2'-10" x 7'-2" x 1-3/4" 16 Gauge Metal Door (Unrated)	654.32	53.12
				<i>For 16 Gauge, Grade III, Extra Heavy Duty, Add</i>	164.42	
				<i>For 14 Gauge, Grade III, Extra Heavy Duty, Add</i>	219.22	
				<i>For Composite Door Instead Of Full Panel Door, Add</i>	24.66	
				<i>For Type 304 Stainless Steel Door, Add</i>	443.76	
				<i>For Type 316 Stainless Steel Door, Add</i>	717.79	
				<i>For Embossed Panel, Add</i>	131.53	
				<i>For Galvanized Steel, Add</i>	82.21	
				<i>For Baked Enamel Finish, Add</i>	228.17	
				<i>For 20 Minutes To 30 Minutes Rated Door And FM Label, Add</i>	27.63	
				<i>For 45 Minutes Rated Door And FM Label, Add</i>	41.40	
				<i>For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add</i>	55.27	
				<i>For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add</i>	93.38	
				<i>For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add</i>	131.50	
				<i>For >50 To 100, Deduct</i>	-35.37	
				<i>For >100, Deduct</i>	-51.73	
				<i>For 2" Thick Door, Add</i>	42.39	
				<i>For Insulated Door (Polystyrene Core), Add</i>	54.81	
				<i>For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add</i>	137.02	
				<i>For Seamless Edge (Welded), Add</i>	68.51	
				<i>For Steel Stiffened, Add</i>	137.02	
08 13 13	13-0153	EA		3' x 7'-2" x 1-3/4" 16 Gauge Metal Door (Unrated)	659.78	54.26
				<i>For 16 Gauge, Grade III, Extra Heavy Duty, Add</i>	165.38	
				<i>For 14 Gauge, Grade III, Extra Heavy Duty, Add</i>	220.51	
				<i>For Composite Door Instead Of Full Panel Door, Add</i>	24.81	
				<i>For Type 304 Stainless Steel Door, Add</i>	446.44	
				<i>For Type 316 Stainless Steel Door, Add</i>	722.08	
				<i>For Embossed Panel, Add</i>	132.30	
				<i>For Galvanized Steel, Add</i>	82.69	
				<i>For Baked Enamel Finish, Add</i>	230.49	
				<i>For 20 Minutes To 30 Minutes Rated Door And FM Label, Add</i>	27.63	
				<i>For 45 Minutes Rated Door And FM Label, Add</i>	41.40	
				<i>For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add</i>	55.27	
				<i>For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add</i>	93.38	
				<i>For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add</i>	131.50	
				<i>For >50 To 100, Deduct</i>	-35.70	
				<i>For >100, Deduct</i>	-52.20	
				<i>For 2" Thick Door, Add</i>	42.68	
				<i>For Insulated Door (Polystyrene Core), Add</i>	55.13	
				<i>For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add</i>	137.82	
				<i>For Seamless Edge (Welded), Add</i>	68.91	
				<i>For Steel Stiffened, Add</i>	137.82	

08 Openings
08 10 Doors And Frames
08 13 Metal Doors



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13	13-0154	EA	3'-4" x 7'-2" x 1-3/4" 16 Gauge Metal Door (Unrated)	701.44	54.26
			For 16 Gauge, Grade III, Extra Heavy Duty, Add	177.88	
			For 14 Gauge, Grade III, Extra Heavy Duty, Add	237.17	
			For Composite Door Instead Of Full Panel Door, Add	26.68	
			For Type 304 Stainless Steel Door, Add	479.77	
			For Type 316 Stainless Steel Door, Add	776.23	
			For Embossed Panel, Add	142.30	
			For Galvanized Steel, Add	88.94	
			For Baked Enamel Finish, Add	242.99	
			For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
			For 45 Minutes Rated Door And FM Label, Add	41.40	
			For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
			For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
			For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
			For >50 To 100, Deduct	-37.78	
			For >100, Deduct	-55.32	
			For 2" Thick Door, Add	45.70	
			For Insulated Door (Polystyrene Core), Add	59.29	
			For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	148.23	
			For Seamless Edge (Welded), Add	74.12	
			For Steel Stiffened, Add	148.23	
08 13 13	13-0155	EA	3'-6" x 7'-2" x 1-3/4" 16 Gauge Metal Door (Unrated)	722.00	56.51
			For 16 Gauge, Grade III, Extra Heavy Duty, Add	182.69	
			For 14 Gauge, Grade III, Extra Heavy Duty, Add	243.58	
			For Composite Door Instead Of Full Panel Door, Add	27.40	
			For Type 304 Stainless Steel Door, Add	492.82	
			For Type 316 Stainless Steel Door, Add	797.30	
			For Embossed Panel, Add	146.15	
			For Galvanized Steel, Add	91.34	
			For Baked Enamel Finish, Add	250.51	
			For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
			For 45 Minutes Rated Door And FM Label, Add	41.40	
			For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
			For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
			For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
			For >50 To 100, Deduct	-38.93	
			For >100, Deduct	-56.98	
			For 2" Thick Door, Add	46.98	
			For Insulated Door (Polystyrene Core), Add	60.90	
			For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	152.24	
			For Seamless Edge (Welded), Add	76.12	
			For Steel Stiffened, Add	152.24	
08 13 13	13-0156	EA	4' x 7'-2" x 1-3/4" 16 Gauge Metal Door (Unrated)	795.14	61.04
			For 16 Gauge, Grade III, Extra Heavy Duty, Add	201.92	
			For 14 Gauge, Grade III, Extra Heavy Duty, Add	269.22	
			For Composite Door Instead Of Full Panel Door, Add	30.29	
			For Type 304 Stainless Steel Door, Add	544.55	
			For Type 316 Stainless Steel Door, Add	881.08	
			For Embossed Panel, Add	161.53	
			For Galvanized Steel, Add	100.96	
			For Baked Enamel Finish, Add	275.17	
			For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
			For 45 Minutes Rated Door And FM Label, Add	41.40	
			For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
			For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
			For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
			For >50 To 100, Deduct	-42.81	
			For >100, Deduct	-62.69	
			For 2" Thick Door, Add	51.85	
			For Insulated Door (Polystyrene Core), Add	67.31	
			For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	168.27	
			For Seamless Edge (Welded), Add	84.13	
			For Steel Stiffened, Add	168.27	
08 13 13	13-0157	PR	Pair 2'-6" x 7'-2" x 1-3/4" 16 Gauge Metal Door (Unrated)	1,271.27	98.79
			For 16 Gauge, Grade III, Extra Heavy Duty, Add	322.11	
			For 14 Gauge, Grade III, Extra Heavy Duty, Add	429.48	
			For Composite Door Instead Of Full Panel Door, Add	48.32	
			For Type 304 Stainless Steel Door, Add	868.83	
			For Type 316 Stainless Steel Door, Add	1,405.68	
			For Embossed Panel, Add	257.69	
			For Galvanized Steel, Add	161.05	
			For Baked Enamel Finish, Add	440.66	
			For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
			For 45 Minutes Rated Door And FM Label, Add	41.40	
			For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
			For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
			For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
			For >50 To 100, Deduct	-68.50	
			For >100, Deduct	-100.28	
			For 2" Thick Door, Add	82.78	
			For Insulated Door (Polystyrene Core), Add	107.37	
			For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	268.42	
			For Seamless Edge (Welded), Add	134.21	
			For Steel Stiffened, Add	268.42	



Openings	08	08
Doors And Frames	08 10	
Metal Doors	08 13	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13 13-0158 PR Pair 2'-8" x 7'-2" x 1-3/4" 16 Gauge Metal Door (Unrated).....	1,287.30	98.79
For 16 Gauge, Grade III, Extra Heavy Duty, Add	326.92	
For 14 Gauge, Grade III, Extra Heavy Duty, Add	435.89	
For Composite Door Instead Of Full Panel Door, Add	49.04	
For Type 304 Stainless Steel Door, Add	881.66	
For Type 316 Stainless Steel Door, Add	1,426.52	
For Embossed Panel, Add	261.53	
For Galvanized Steel, Add	163.46	
For Baked Enamel Finish, Add	445.46	
For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
For 45 Minutes Rated Door And FM Label, Add	41.40	
For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
For >50 To 100, Deduct	-69.30	
For >100, Deduct	-101.49	
For 2" Thick Door, Add	83.94	
For Insulated Door (Polystyrene Core), Add	108.97	
For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	272.43	
For Seamless Edge (Welded), Add	136.22	
For Steel Stiffened, Add	272.43	
08 13 13 13-0159 PR Pair 2'-10" x 7'-2" x 1-3/4" 16 Gauge Metal Door (Unrated).....	1,272.47	88.17
For 16 Gauge, Grade III, Extra Heavy Duty, Add	328.84	
For 14 Gauge, Grade III, Extra Heavy Duty, Add	438.45	
For Composite Door Instead Of Full Panel Door, Add	49.33	
For Type 304 Stainless Steel Door, Add	885.72	
For Type 316 Stainless Steel Door, Add	1,433.79	
For Embossed Panel, Add	263.07	
For Galvanized Steel, Add	164.42	
For Baked Enamel Finish, Add	434.64	
For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
For 45 Minutes Rated Door And FM Label, Add	41.40	
For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
For >50 To 100, Deduct	-68.03	
For >100, Deduct	-99.84	
For 2" Thick Door, Add	83.88	
For Insulated Door (Polystyrene Core), Add	109.61	
For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	274.03	
For Seamless Edge (Welded), Add	137.02	
For Steel Stiffened, Add	274.03	
08 13 13 13-0160 PR Pair 3' x 7'-2" x 1-3/4" 16 Gauge Metal Door (Unrated).....	1,308.71	103.09
For 16 Gauge, Grade III, Extra Heavy Duty, Add	330.76	
For 14 Gauge, Grade III, Extra Heavy Duty, Add	441.02	
For Composite Door Instead Of Full Panel Door, Add	49.61	
For Type 304 Stainless Steel Door, Add	892.34	
For Type 316 Stainless Steel Door, Add	1,443.61	
For Embossed Panel, Add	264.61	
For Galvanized Steel, Add	165.38	
For Baked Enamel Finish, Add	454.46	
For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
For 45 Minutes Rated Door And FM Label, Add	41.40	
For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
For >50 To 100, Deduct	-70.59	
For >100, Deduct	-103.31	
For 2" Thick Door, Add	85.09	
For Insulated Door (Polystyrene Core), Add	110.25	
For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	275.64	
For Seamless Edge (Welded), Add	137.82	
For Steel Stiffened, Add	275.64	
08 13 13 13-0161 PR Pair 3'-6" x 7'-2" x 1-3/4" 16 Gauge Metal Door (Unrated).....	1,432.68	107.38
For 16 Gauge, Grade III, Extra Heavy Duty, Add	365.38	
For 14 Gauge, Grade III, Extra Heavy Duty, Add	487.17	
For Composite Door Instead Of Full Panel Door, Add	54.81	
For Type 304 Stainless Steel Door, Add	985.07	
For Type 316 Stainless Steel Door, Add	1,594.03	
For Embossed Panel, Add	292.30	
For Galvanized Steel, Add	182.69	
For Baked Enamel Finish, Add	494.23	
For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
For 45 Minutes Rated Door And FM Label, Add	41.40	
For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
For >50 To 100, Deduct	-77.00	
For >100, Deduct	-112.82	
For 2" Thick Door, Add	93.67	
For Insulated Door (Polystyrene Core), Add	121.79	
For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	304.48	
For Seamless Edge (Welded), Add	152.24	
For Steel Stiffened, Add	304.48	

08	Openings
08 10	Doors And Frames
08 13	Metal Doors



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13 13-0162	PR		Pair 4' x 7'-2" x 1-3/4" 16 Gauge Metal Door (Unrated)	1,578.07	115.97
			For 16 Gauge, Grade III, Extra Heavy Duty, Add	403.84	
			For 14 Gauge, Grade III, Extra Heavy Duty, Add	538.45	
			For Composite Door Instead Of Full Panel Door, Add	60.58	
			For Type 304 Stainless Steel Door, Add	1,088.49	
			For Type 316 Stainless Steel Door, Add	1,761.55	
			For Embossed Panel, Add	323.07	
			For Galvanized Steel, Add	201.92	
			For Baked Enamel Finish, Add	543.01	
			For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
			For 45 Minutes Rated Door And FM Label, Add	41.40	
			For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
			For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
			For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
			For >50 To 100, Deduct	-84.70	
			For >100, Deduct	-124.15	
			For 2" Thick Door, Add	103.39	
			For Insulated Door (Polystyrene Core), Add	134.61	
			For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	336.53	
			For Seamless Edge (Welded), Add	168.27	
			For Steel Stiffened, Add	336.53	
08 13 13 13-0163			8' High (08 13 13 13-0114)		
08 13 13 13-0164	EA		2' x 8' x 1-3/4" 16 Gauge Metal Door (Unrated)	723.88	49.73
			For 16 Gauge, Grade III, Extra Heavy Duty, Add	187.32	
			For 14 Gauge, Grade III, Extra Heavy Duty, Add	249.76	
			For Up To 1' Extra Height, Add	172.77	
			For Composite Door Instead Of Full Panel Door, Add	28.10	
			For Type 304 Stainless Steel Door, Add	504.50	
			For Type 316 Stainless Steel Door, Add	816.71	
			For Embossed Panel, Add	149.86	
			For Galvanized Steel, Add	93.66	
			For Baked Enamel Finish, Add	247.01	
			For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
			For 45 Minutes Rated Door And FM Label, Add	41.40	
			For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
			For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
			For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
			For >50 To 100, Deduct	-38.68	
			For >100, Deduct	-56.78	
			For 2" Thick Door, Add	47.76	
			For Insulated Door (Polystyrene Core), Add	62.44	
			For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	156.10	
			For Seamless Edge (Welded), Add	78.05	
			For Steel Stiffened, Add	156.10	
08 13 13 13-0165	EA		2'-4" x 8' x 1-3/4" 16 Gauge Metal Door (Unrated).....	723.88	49.73
			For 16 Gauge, Grade III, Extra Heavy Duty, Add	187.32	
			For 14 Gauge, Grade III, Extra Heavy Duty, Add	249.76	
			For Up To 1' Extra Height, Add	172.77	
			For Composite Door Instead Of Full Panel Door, Add	28.10	
			For Type 304 Stainless Steel Door, Add	504.50	
			For Type 316 Stainless Steel Door, Add	816.71	
			For Embossed Panel, Add	149.86	
			For Galvanized Steel, Add	93.66	
			For Baked Enamel Finish, Add	247.01	
			For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
			For 45 Minutes Rated Door And FM Label, Add	41.40	
			For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
			For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
			For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
			For >50 To 100, Deduct	-38.68	
			For >100, Deduct	-56.78	
			For 2" Thick Door, Add	47.76	
			For Insulated Door (Polystyrene Core), Add	62.44	
			For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	156.10	
			For Seamless Edge (Welded), Add	78.05	
			For Steel Stiffened, Add	156.10	



Openings	08	08
Doors And Frames	08 10	
Metal Doors	08 13	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13 13-0166 EA 2'-6" x 8' x 1-3/4" 16 Gauge Metal Door (Unrated).....	741.17	52.00
For 16 Gauge, Grade III, Extra Heavy Duty, Add	191.15	
For 14 Gauge, Grade III, Extra Heavy Duty, Add	254.87	
For Up To 1' Extra Height, Add	176.31	
For Composite Door Instead Of Full Panel Door, Add	28.67	
For Type 304 Stainless Steel Door, Add	514.94	
For Type 316 Stainless Steel Door, Add	833.53	
For Embossed Panel, Add	152.92	
For Galvanized Steel, Add	95.58	
For Baked Enamel Finish, Add	253.55	
For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
For 45 Minutes Rated Door And FM Label, Add	41.40	
For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
For >50 To 100, Deduct	-39.66	
For >100, Deduct	-58.19	
For 2" Thick Door, Add	48.80	
For Insulated Door (Polystyrene Core), Add	63.72	
For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	159.30	
For Seamless Edge (Welded), Add	79.65	
For Steel Stiffened, Add	159.30	
08 13 13 13-0167 EA 2'-8" x 8' x 1-3/4" 16 Gauge Metal Door (Unrated).....	750.68	52.00
For 16 Gauge, Grade III, Extra Heavy Duty, Add	194.01	
For 14 Gauge, Grade III, Extra Heavy Duty, Add	258.68	
For Up To 1' Extra Height, Add	178.94	
For Composite Door Instead Of Full Panel Door, Add	29.10	
For Type 304 Stainless Steel Door, Add	522.55	
For Type 316 Stainless Steel Door, Add	845.90	
For Embossed Panel, Add	155.21	
For Galvanized Steel, Add	97.00	
For Baked Enamel Finish, Add	256.40	
For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
For 45 Minutes Rated Door And FM Label, Add	41.40	
For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
For >50 To 100, Deduct	-40.13	
For >100, Deduct	-58.90	
For 2" Thick Door, Add	49.48	
For Insulated Door (Polystyrene Core), Add	64.67	
For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	161.67	
For Seamless Edge (Welded), Add	80.84	
For Steel Stiffened, Add	161.67	
08 13 13 13-0168 EA 2'-10" x 8' x 1-3/4" 16 Gauge Metal Door (Unrated).....	756.75	53.12
For 16 Gauge, Grade III, Extra Heavy Duty, Add	195.15	
For 14 Gauge, Grade III, Extra Heavy Duty, Add	260.20	
For Up To 1' Extra Height, Add	179.99	
For Composite Door Instead Of Full Panel Door, Add	29.27	
For Type 304 Stainless Steel Door, Add	525.71	
For Type 316 Stainless Steel Door, Add	850.95	
For Embossed Panel, Add	156.12	
For Galvanized Steel, Add	97.57	
For Baked Enamel Finish, Add	258.90	
For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
For 45 Minutes Rated Door And FM Label, Add	41.40	
For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
For >50 To 100, Deduct	-40.49	
For >100, Deduct	-59.41	
For 2" Thick Door, Add	49.82	
For Insulated Door (Polystyrene Core), Add	65.05	
For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	162.62	
For Seamless Edge (Welded), Add	81.31	
For Steel Stiffened, Add	162.62	
08 13 13 13-0169 EA 3' x 8' x 1-3/4" 16 Gauge Metal Door (Unrated).....	762.80	54.26
For 16 Gauge, Grade III, Extra Heavy Duty, Add	196.29	
For 14 Gauge, Grade III, Extra Heavy Duty, Add	261.72	
For Up To 1' Extra Height, Add	181.04	
For Composite Door Instead Of Full Panel Door, Add	29.44	
For Type 304 Stainless Steel Door, Add	528.86	
For Type 316 Stainless Steel Door, Add	856.00	
For Embossed Panel, Add	157.03	
For Galvanized Steel, Add	98.14	
For Baked Enamel Finish, Add	261.39	
For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
For 45 Minutes Rated Door And FM Label, Add	41.40	
For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
For >50 To 100, Deduct	-40.85	
For >100, Deduct	-59.92	
For 2" Thick Door, Add	50.15	
For Insulated Door (Polystyrene Core), Add	65.43	
For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	163.57	
For Seamless Edge (Welded), Add	81.79	
For Steel Stiffened, Add	163.57	

08	Openings
08 10	Doors And Frames
08 13	Metal Doors



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13	13-0170	EA	3'-4" x 8' x 1-3/4" 16 Gauge Metal Door (Unrated).....	812.26	54.26
			<i>For 16 Gauge, Grade III, Extra Heavy Duty, Add</i>	211.13	
			<i>For 14 Gauge, Grade III, Extra Heavy Duty, Add</i>	281.50	
			<i>For Up To 1' Extra Height, Add</i>	194.73	
			<i>For Composite Door Instead Of Full Panel Door, Add</i>	31.67	
			<i>For Type 304 Stainless Steel Door, Add</i>	568.43	
			<i>For Type 316 Stainless Steel Door, Add</i>	920.30	
			<i>For Embossed Panel, Add</i>	168.90	
			<i>For Galvanized Steel, Add</i>	105.56	
			<i>For Baked Enamel Finish, Add</i>	276.23	
			<i>For 20 Minutes To 30 Minutes Rated Door And FM Label, Add</i>	27.63	
			<i>For 45 Minutes Rated Door And FM Label, Add</i>	41.40	
			<i>For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add</i>	55.27	
			<i>For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add</i>	93.38	
			<i>For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add</i>	131.50	
			<i>For >50 To 100, Deduct</i>	-43.33	
			<i>For >100, Deduct</i>	-63.63	
			<i>For 2" Thick Door, Add</i>	53.73	
			<i>For Insulated Door (Polystyrene Core), Add</i>	70.38	
			<i>For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add</i>	175.94	
			<i>For Seamless Edge (Welded), Add</i>	87.97	
			<i>For Steel Stiffened, Add</i>	175.94	
08 13 13	13-0171	EA	3'-6" x 8' x 1-3/4" 16 Gauge Metal Door (Unrated).....	835.81	56.51
			<i>For 16 Gauge, Grade III, Extra Heavy Duty, Add</i>	216.83	
			<i>For 14 Gauge, Grade III, Extra Heavy Duty, Add</i>	289.11	
			<i>For Up To 1' Extra Height, Add</i>	199.99	
			<i>For 1' To 1'-6" Extra Height, Add</i>	381.55	
			<i>For Composite Door Instead Of Full Panel Door, Add</i>	32.52	
			<i>For Type 304 Stainless Steel Door, Add</i>	583.87	
			<i>For Type 316 Stainless Steel Door, Add</i>	945.25	
			<i>For Embossed Panel, Add</i>	173.46	
			<i>For Galvanized Steel, Add</i>	108.42	
			<i>For Baked Enamel Finish, Add</i>	284.66	
			<i>For 20 Minutes To 30 Minutes Rated Door And FM Label, Add</i>	27.63	
			<i>For 45 Minutes Rated Door And FM Label, Add</i>	41.40	
			<i>For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add</i>	55.27	
			<i>For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add</i>	93.38	
			<i>For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add</i>	131.50	
			<i>For >50 To 100, Deduct</i>	-44.62	
			<i>For >100, Deduct</i>	-65.51	
			<i>For 2" Thick Door, Add</i>	55.23	
			<i>For Insulated Door (Polystyrene Core), Add</i>	72.28	
			<i>For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add</i>	180.69	
			<i>For Seamless Edge (Welded), Add</i>	90.35	
			<i>For Steel Stiffened, Add</i>	180.69	
08 13 13	13-0172	EA	4' x 8' x 1-3/4" 16 Gauge Metal Door (Unrated)	920.93	61.04
			<i>For 16 Gauge, Grade III, Extra Heavy Duty, Add</i>	239.66	
			<i>For 14 Gauge, Grade III, Extra Heavy Duty, Add</i>	319.54	
			<i>For Up To 1' Extra Height, Add</i>	221.04	
			<i>For 1' To 1'-6" Extra Height, Add</i>	421.71	
			<i>For Composite Door Instead Of Full Panel Door, Add</i>	35.95	
			<i>For Type 304 Stainless Steel Door, Add</i>	645.18	
			<i>For Type 316 Stainless Steel Door, Add</i>	1,044.61	
			<i>For Embossed Panel, Add</i>	191.72	
			<i>For Galvanized Steel, Add</i>	119.83	
			<i>For Baked Enamel Finish, Add</i>	312.90	
			<i>For 20 Minutes To 30 Minutes Rated Door And FM Label, Add</i>	27.63	
			<i>For 45 Minutes Rated Door And FM Label, Add</i>	41.40	
			<i>For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add</i>	55.27	
			<i>For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add</i>	93.38	
			<i>For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add</i>	131.50	
			<i>For >50 To 100, Deduct</i>	-49.10	
			<i>For >100, Deduct</i>	-72.12	
			<i>For 2" Thick Door, Add</i>	60.97	
			<i>For Insulated Door (Polystyrene Core), Add</i>	79.89	
			<i>For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add</i>	199.71	
			<i>For Seamless Edge (Welded), Add</i>	99.86	
			<i>For Steel Stiffened, Add</i>	199.71	



Openings	08	08
Doors And Frames	08 10	
Metal Doors	08 13	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13 13-0173 PR Pair 2'-6" x 8' x 1-3/4" 16 Gauge Metal Door (Unrated)	1,471.94	98.79
For 16 Gauge, Grade III, Extra Heavy Duty, Add	382.31	
For 14 Gauge, Grade III, Extra Heavy Duty, Add	509.74	
For Up To 1' Extra Height, Add	352.62	
For Composite Door Instead Of Full Panel Door, Add	57.35	
For Type 304 Stainless Steel Door, Add	1,029.37	
For Type 316 Stainless Steel Door, Add	1,666.55	
For Embossed Panel, Add	305.85	
For Galvanized Steel, Add	191.15	
For Baked Enamel Finish, Add	500.86	
For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
For 45 Minutes Rated Door And FM Label, Add	41.40	
For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
For >50 To 100, Deduct	-78.54	
For >100, Deduct	-115.34	
For 2" Thick Door, Add	97.33	
For Insulated Door (Polystyrene Core), Add	127.44	
For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	318.59	
For Seamless Edge (Welded), Add	159.30	
For Steel Stiffened, Add	318.59	
08 13 13 13-0174 PR Pair 2'-8" x 8' x 1-3/4" 16 Gauge Metal Door (Unrated)	1,490.96	98.79
For 16 Gauge, Grade III, Extra Heavy Duty, Add	388.01	
For 14 Gauge, Grade III, Extra Heavy Duty, Add	517.35	
For Up To 1' Extra Height, Add	357.88	
For Composite Door Instead Of Full Panel Door, Add	58.20	
For Type 304 Stainless Steel Door, Add	1,044.58	
For Type 316 Stainless Steel Door, Add	1,691.27	
For Embossed Panel, Add	310.41	
For Galvanized Steel, Add	194.01	
For Baked Enamel Finish, Add	506.56	
For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
For 45 Minutes Rated Door And FM Label, Add	41.40	
For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
For >50 To 100, Deduct	-79.49	
For >100, Deduct	-116.76	
For 2" Thick Door, Add	98.71	
For Insulated Door (Polystyrene Core), Add	129.34	
For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	323.35	
For Seamless Edge (Welded), Add	161.67	
For Steel Stiffened, Add	323.35	
08 13 13 13-0175 PR Pair 2'-10" x 8' x 1-3/4" 16 Gauge Metal Door (Unrated)	1,477.33	88.17
For 16 Gauge, Grade III, Extra Heavy Duty, Add	390.30	
For 14 Gauge, Grade III, Extra Heavy Duty, Add	520.40	
For Up To 1' Extra Height, Add	359.98	
For Composite Door Instead Of Full Panel Door, Add	58.54	
For Type 304 Stainless Steel Door, Add	1,049.61	
For Type 316 Stainless Steel Door, Add	1,700.10	
For Embossed Panel, Add	312.24	
For Galvanized Steel, Add	195.15	
For Baked Enamel Finish, Add	496.10	
For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
For 45 Minutes Rated Door And FM Label, Add	41.40	
For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
For >50 To 100, Deduct	-78.28	
For >100, Deduct	-115.21	
For 2" Thick Door, Add	98.73	
For Insulated Door (Polystyrene Core), Add	130.10	
For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	325.25	
For Seamless Edge (Welded), Add	162.62	
For Steel Stiffened, Add	325.25	

08	Openings
08 10	Doors And Frames
08 13	Metal Doors



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13	13-0176	PR	Pair 3' x 8' x 1-3/4" 16 Gauge Metal Door (Unrated).....	1,514.77	103.09
			<i>For 16 Gauge, Grade III, Extra Heavy Duty, Add</i>	392.58	
			<i>For 14 Gauge, Grade III, Extra Heavy Duty, Add</i>	523.44	
			<i>For Up To 1' Extra Height, Add</i>	362.09	
			<i>For 1' To 1'-6" Extra Height, Add</i>	690.81	
			<i>For Composite Door Instead Of Full Panel Door, Add</i>	58.89	
			<i>For Type 304 Stainless Steel Door, Add</i>	1,057.19	
			<i>For Type 316 Stainless Steel Door, Add</i>	1,711.49	
			<i>For Embossed Panel, Add</i>	314.06	
			<i>For Galvanized Steel, Add</i>	196.29	
			<i>For Baked Enamel Finish, Add</i>	516.28	
			<i>For 20 Minutes To 30 Minutes Rated Door And FM Label, Add</i>	27.63	
			<i>For 45 Minutes Rated Door And FM Label, Add</i>	41.40	
			<i>For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add</i>	55.27	
			<i>For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add</i>	93.38	
			<i>For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add</i>	131.50	
			<i>For >50 To 100, Deduct</i>	-80.89	
			<i>For >100, Deduct</i>	-118.76	
			<i>For 2" Thick Door, Add</i>	100.03	
			<i>For Insulated Door (Polystyrene Core), Add</i>	130.86	
			<i>For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add</i>	327.15	
			<i>For Seamless Edge (Welded), Add</i>	163.58	
			<i>For Steel Stiffened, Add</i>	327.15	
08 13 13	13-0177	PR	Pair 3'-6" x 8' x 1-3/4" 16 Gauge Metal Door (Unrated)	1,660.30	107.38
			<i>For 16 Gauge, Grade III, Extra Heavy Duty, Add</i>	433.66	
			<i>For 14 Gauge, Grade III, Extra Heavy Duty, Add</i>	578.22	
			<i>For Up To 1' Extra Height, Add</i>	399.98	
			<i>For 1' To 1'-6" Extra Height, Add</i>	763.10	
			<i>For Composite Door Instead Of Full Panel Door, Add</i>	65.05	
			<i>For Type 304 Stainless Steel Door, Add</i>	1,167.17	
			<i>For Type 316 Stainless Steel Door, Add</i>	1,889.94	
			<i>For Embossed Panel, Add</i>	346.93	
			<i>For Galvanized Steel, Add</i>	216.83	
			<i>For Baked Enamel Finish, Add</i>	562.52	
			<i>For 20 Minutes To 30 Minutes Rated Door And FM Label, Add</i>	27.63	
			<i>For 45 Minutes Rated Door And FM Label, Add</i>	41.40	
			<i>For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add</i>	55.27	
			<i>For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add</i>	93.38	
			<i>For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add</i>	131.50	
			<i>For >50 To 100, Deduct</i>	-88.38	
			<i>For >100, Deduct</i>	-129.89	
			<i>For 2" Thick Door, Add</i>	110.17	
			<i>For Insulated Door (Polystyrene Core), Add</i>	144.55	
			<i>For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add</i>	361.39	
			<i>For Seamless Edge (Welded), Add</i>	180.69	
			<i>For Steel Stiffened, Add</i>	361.39	
08 13 13	13-0178	PR	Pair 4' x 8' x 1-3/4" 16 Gauge Metal Door (Unrated).....	1,829.65	115.97
			<i>For 1' To 1'-6" Extra Height, Add</i>	843.43	
			<i>For Seamless Edge (Welded), Add</i>	199.71	
			<i>For Steel Stiffened, Add</i>	399.43	
08 13 13 53	Custom Hollow Metal Doors (08 13 13)				
08 13 13 53-0001	Steel 18 Gauge 1-3/4" Unrated Door (08 13 13 53)				
08 13 13 53-0002	EA	2'-2" Or 2'-4" x 6'-9" x 1-3/4" 18 Gauge Steel Door (Unrated) With Semicircular Head.....	1,339.22	113.04	
		<i>For 16 Gauge Door, Add</i>	20.30		
08 13 13 53-0003	EA	2'-6" x 6'-9" x 1-3/4" 18 Gauge Steel Door (Unrated) With Semicircular Head.....	1,405.10	135.64	
		<i>For 16 Gauge Door, Add</i>	20.30		
08 13 73	Sliding Metal Doors (08 13)				
08 13 73 00-0001	Sliding Bypass Mirror Doors (08 13 73)				
	Note: Includes 3.0 mm thick, steel frameless safety backed mirrors with anti-jump rollers and guides.				
08 13 73 00-0002	EA	4' x 6' 8", Sliding Bypass Mirror Doors	294.51	67.82	
08 13 73 00-0003	EA	5' x 6' 8", Sliding Bypass Mirror Doors	331.18	72.35	
08 13 73 00-0004	EA	6' x 6' 8", Sliding Bypass Mirror Doors	367.85	76.86	
08 13 73 00-0005	EA	8' x 6' 8", Sliding Bypass Mirror Doors	432.16	81.39	
08 14	Wood Doors (08 10)				
	Note: Includes machining for all hardware, except mortised locks. Excludes finish hardware. See CSI section 08 70 00 00-0000 for finish hardware.				
08 14 16	Flush Wood Doors (08 14)				
08 14 16 00-0001	Hollow Core Doors, 1-3/8" Thick (08 14 16)				
08 14 16 00-0002	Birch Faced (08 14 16 00-0001)				
08 14 16 00-0003	EA	2'-0" Or 2'-4" x 7' x 1-3/8" Hollow Core, Birch Faced Door.....	235.70	49.73	
		<i>For Each 1' Of Additional Door Height, Add</i>	32.70		
		<i>For >50 To 100, Deduct</i>	-14.27		
		<i>For >100, Deduct</i>	-20.16		



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0004	EA		2'-6" x 7' x 1-3/8" Hollow Core, Birch Faced Door..... <i>For Each 1' Of Additional Door Height, Add</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	249.87 35.01 -15.09 -21.34	52.00
08 14 16 00-0005	EA		2'-8" x 7' x 1-3/8" Hollow Core, Birch Faced Door..... <i>For Each 1' Of Additional Door Height, Add</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	256.97 36.72 -15.45 -21.87	52.00
08 14 16 00-0006	EA		3' x 7' x 1-3/8" Hollow Core, Birch Faced Door..... <i>For Each 1' Of Additional Door Height, Add</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	263.98 37.31 -15.91 -22.51	54.26
08 14 16 00-0007	EA		3'-4" x 7' x 1-3/8" Hollow Core, Birch Faced Door..... <i>For Each 1' Of Additional Door Height, Add</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	279.16 40.96 -16.67 -23.65	54.26
08 14 16 00-0008	EA		3'-6" x 7' x 1-3/8" Hollow Core, Birch Faced Door..... <i>For Each 1' Of Additional Door Height, Add</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	294.61 43.58 -17.56 -24.92	56.51
08 14 16 00-0009	PR		Pair 2' x 7' x 1-3/8" Hollow Core, Birch Faced Door..... <i>For Each 1' Of Additional Door Height, Add</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	461.45 65.39 -27.80 -39.33	94.50
08 14 16 00-0010	PR		Pair 2'-6" x 7' x 1-3/8" Hollow Core, Birch Faced Door..... <i>For Each 1' Of Additional Door Height, Add</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	489.34 70.02 -29.41 -41.64	98.79
08 14 16 00-0011	PR		Pair 3' x 7' x 1-3/8" Hollow Core, Birch Faced Door..... <i>For Each 1' Of Additional Door Height, Add</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	517.10 74.62 -31.01 -43.94	103.09
08 14 16 00-0012			Lauan Faced <small>(08 14 16 00-0001)</small>		
08 14 16 00-0013	EA		2'-0" Or 2'-4" x 7' x 1-3/8" Hollow Core, Lauan Faced Door..... <i>For Each 1' Of Additional Door Height, Add</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	201.32 24.44 -12.55 -17.59	49.73
08 14 16 00-0014	EA		2'-6" x 7' x 1-3/8" Hollow Core, Lauan Faced Door..... <i>For Each 1' Of Additional Door Height, Add</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	212.75 26.10 -13.24 -18.56	52.00
08 14 16 00-0015	EA		2'-8" x 7' x 1-3/8" Hollow Core, Lauan Faced Door..... <i>For Each 1' Of Additional Door Height, Add</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	218.57 27.50 -13.53 -18.99	52.00
08 14 16 00-0016	EA		3' x 7' x 1-3/8" Hollow Core, Lauan Faced Door..... <i>For Each 1' Of Additional Door Height, Add</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	227.20 28.49 -14.07 -19.75	54.26
08 14 16 00-0017	EA		3'-4" x 7' x 1-3/8" Hollow Core, Lauan Faced Door..... <i>For Each 1' Of Additional Door Height, Add</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	238.56 31.21 -14.64 -20.60	54.26
08 14 16 00-0018	EA		3'-6" x 7' x 1-3/8" Hollow Core, Lauan Faced Door..... <i>For Each 1' Of Additional Door Height, Add</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	251.41 33.21 -15.40 -21.68	56.51
08 14 16 00-0019	PR		Pair 2' x 7' x 1-3/8" Hollow Core, Lauan Faced Door..... <i>For Each 1' Of Additional Door Height, Add</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	392.70 48.89 -24.36 -34.18	94.50
08 14 16 00-0020	PR		Pair 2'-6" x 7' x 1-3/8" Hollow Core, Lauan Faced Door..... <i>For Each 1' Of Additional Door Height, Add</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	415.12 52.21 -25.70 -36.07	98.79
08 14 16 00-0021	PR		Pair 3' x 7' x 1-3/8" Hollow Core, Lauan Faced Door..... <i>For Each 1' Of Additional Door Height, Add</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	443.60 56.98 -27.33 -38.42	103.09
08 14 16 00-0022			Tempered Hardboard Faced <small>(08 14 16 00-0001)</small>		
08 14 16 00-0023	EA		2'-0" Or 2'-4" x 7' x 1-3/8" Hollow Core, Hardboard Faced Door..... <i>For Each 1' Of Additional Door Height, Add</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	204.08 25.11 -12.69 -17.79	49.73
08 14 16 00-0024	EA		2'-6" x 7' x 1-3/8" Hollow Core, Hardboard Faced Door..... <i>For Each 1' Of Additional Door Height, Add</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	216.23 26.94 -13.41 -18.82	52.00

08	Openings
08 10	Doors And Frames
08 14	Wood Doors



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0025	EA		2'-8" x 7' x 1-3/8" Hollow Core, Hardboard Faced Door.....	219.85	52.00
			<i>For Each 1' Of Additional Door Height, Add</i>	27.81	
			<i>For >50 To 100, Deduct</i>	-13.59	
			<i>For >100, Deduct</i>	-19.09	
08 14 16 00-0026	EA		3' x 7' x 1-3/8" Hollow Core, Hardboard Faced Door.....	231.61	54.26
			<i>For Each 1' Of Additional Door Height, Add</i>	29.54	
			<i>For >50 To 100, Deduct</i>	-14.29	
			<i>For >100, Deduct</i>	-20.08	
08 14 16 00-0027	EA		3'-4" x 7' x 1-3/8" Hollow Core, Hardboard Faced Door.....	245.15	54.26
			<i>For Each 1' Of Additional Door Height, Add</i>	32.79	
			<i>For >50 To 100, Deduct</i>	-14.97	
			<i>For >100, Deduct</i>	-21.10	
08 14 16 00-0028	EA		3'-6" x 7' x 1-3/8" Hollow Core, Hardboard Faced Door.....	258.41	56.51
			<i>For Each 1' Of Additional Door Height, Add</i>	34.89	
			<i>For >50 To 100, Deduct</i>	-15.75	
			<i>For >100, Deduct</i>	-22.21	
08 14 16 00-0029	PR		Pair 2' x 7' x 1-3/8" Hollow Core, Hardboard Faced Door.....	398.22	94.50
			<i>For Each 1' Of Additional Door Height, Add</i>	50.22	
			<i>For >50 To 100, Deduct</i>	-24.64	
			<i>For >100, Deduct</i>	-34.59	
08 14 16 00-0030	PR		Pair 2'-6" x 7' x 1-3/8" Hollow Core, Hardboard Faced Door.....	422.05	98.79
			<i>For Each 1' Of Additional Door Height, Add</i>	53.87	
			<i>For >50 To 100, Deduct</i>	-26.04	
			<i>For >100, Deduct</i>	-36.59	
08 14 16 00-0031	PR		Pair 3' x 7' x 1-3/8" Hollow Core, Hardboard Faced Door.....	452.37	103.09
			<i>For Each 1' Of Additional Door Height, Add</i>	59.09	
			<i>For >50 To 100, Deduct</i>	-27.77	
			<i>For >100, Deduct</i>	-39.08	
08 14 16 00-0032			Solid Core Doors, 1-3/8" Thick, 5 Ply <small>(08 14 16)</small>		
08 14 16 00-0033			Birch Faced <small>(08 14 16 00-0032)</small>		
08 14 16 00-0034	EA		2'-0" Or 2'-4" x 7' x 1-3/8" Solid Core, Birch Faced Door.....	272.92	49.73
			<i>For 7 Ply Core, Add</i>	26.02	
			<i>For Solid Wood Staved Core (Glued Block), Add</i>	43.36	
			<i>Note: Not used in conjunction with fire rating >20 minutes.</i>		
			<i>For Machining for Mortise Lock, Add</i>	35.00	
			<i>For Each 1' Of Additional Door Height, Add</i>	41.63	
			<i>For >50 To 100, Deduct</i>	-16.13	
			<i>For >100, Deduct</i>	-22.96	
08 14 16 00-0035	EA		2'-6" x 7' x 1-3/8" Solid Core, Birch Faced Door.....	286.55	52.00
			<i>For 7 Ply Core, Add</i>	27.38	
			<i>For Solid Wood Staved Core (Glued Block), Add</i>	45.64	
			<i>Note: Not used in conjunction with fire rating >20 minutes.</i>		
			<i>For Machining for Mortise Lock, Add</i>	35.00	
			<i>For Each 1' Of Additional Door Height, Add</i>	43.81	
			<i>For >50 To 100, Deduct</i>	-16.93	
			<i>For >100, Deduct</i>	-24.09	
08 14 16 00-0036	EA		2'-8" x 7' x 1-3/8" Solid Core, Birch Faced Door.....	295.66	52.00
			<i>For 7 Ply Core, Add</i>	28.75	
			<i>For Solid Wood Staved Core (Glued Block), Add</i>	47.92	
			<i>Note: Not used in conjunction with fire rating >20 minutes.</i>		
			<i>For Machining for Mortise Lock, Add</i>	35.00	
			<i>For Each 1' Of Additional Door Height, Add</i>	46.00	
			<i>For >50 To 100, Deduct</i>	-17.38	
			<i>For >100, Deduct</i>	-24.77	
08 14 16 00-0037	EA		3' x 7' x 1-3/8" Solid Core, Birch Faced Door.....	311.29	54.26
			<i>For 7 Ply Core, Add</i>	30.42	
			<i>For Solid Wood Staved Core (Glued Block), Add</i>	50.70	
			<i>Note: Not used in conjunction with fire rating >20 minutes.</i>		
			<i>For Machining for Mortise Lock, Add</i>	35.00	
			<i>For Each 1' Of Additional Door Height, Add</i>	48.67	
			<i>For >50 To 100, Deduct</i>	-18.28	
			<i>For >100, Deduct</i>	-26.06	
08 14 16 00-0038	EA		3'-4" x 7' x 1-3/8" Solid Core, Birch Faced Door.....	333.55	54.26
			<i>For 7 Ply Core, Add</i>	33.76	
			<i>For Solid Wood Staved Core (Glued Block), Add</i>	56.26	
			<i>Note: Not used in conjunction with fire rating >20 minutes.</i>		
			<i>For Machining for Mortise Lock, Add</i>	35.00	
			<i>For Each 1' Of Additional Door Height, Add</i>	54.01	
			<i>For >50 To 100, Deduct</i>	-19.39	
			<i>For >100, Deduct</i>	-27.73	
08 14 16 00-0039	EA		3'-6" x 7' x 1-3/8" Solid Core, Birch Faced Door.....	352.46	56.51
			<i>For 7 Ply Core, Add</i>	35.91	
			<i>For Solid Wood Staved Core (Glued Block), Add</i>	59.86	
			<i>Note: Not used in conjunction with fire rating >20 minutes.</i>		
			<i>For Machining for Mortise Lock, Add</i>	35.00	
			<i>For Each 1' Of Additional Door Height, Add</i>	57.46	
			<i>For >50 To 100, Deduct</i>	-20.45	
			<i>For >100, Deduct</i>	-29.26	



Openings	08
Doors And Frames	08 10
Wood Doors	08 14

08

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0040	PR		Pair 2' x 7' x 1-3/8" Solid Core, Birch Faced Door.....	535.88	94.50
			<i>For 7 Ply Core, Add</i>	52.03	
			<i>For Solid Wood Staved Core (Glued Block), Add</i>	86.72	
			<i>Note: Not used in conjunction with fire rating >20 minutes.</i>		
			<i>For Machining for Mortise Lock, Add</i>	35.00	
			<i>For Each 1' Of Additional Door Height, Add</i>	83.25	
			<i>For >50 To 100, Deduct</i>	-31.52	
			<i>For >100, Deduct</i>	-44.92	
08 14 16 00-0041	PR		Pair 2'-6" x 7' x 1-3/8" Solid Core, Birch Faced Door.....	562.71	98.79
			<i>For 7 Ply Core, Add</i>	54.77	
			<i>For Solid Wood Staved Core (Glued Block), Add</i>	91.28	
			<i>Note: Not used in conjunction with fire rating >20 minutes.</i>		
			<i>For Machining for Mortise Lock, Add</i>	35.00	
			<i>For Each 1' Of Additional Door Height, Add</i>	87.63	
			<i>For >50 To 100, Deduct</i>	-33.08	
			<i>For >100, Deduct</i>	-47.14	
08 14 16 00-0042	PR		Pair 3' x 7' x 1-3/8" Solid Core, Birch Faced Door.....	611.73	103.09
			<i>For 7 Ply Core, Add</i>	60.83	
			<i>For Solid Wood Staved Core (Glued Block), Add</i>	101.39	
			<i>Note: Not used in conjunction with fire rating >20 minutes.</i>		
			<i>For Machining for Mortise Lock, Add</i>	35.00	
			<i>For Each 1' Of Additional Door Height, Add</i>	97.33	
			<i>For >50 To 100, Deduct</i>	-35.74	
			<i>For >100, Deduct</i>	-51.03	
08 14 16 00-0043			Lauan Faced <small>(08 14 16 00-0032)</small>		
08 14 16 00-0044	EA		2'-0" Or 2'-4" x 7' x 1-3/8" Solid Core, Lauan Faced Door.....	228.64	49.73
			<i>For 7 Ply Core, Add</i>	19.38	
			<i>For Machining for Mortise Lock, Add</i>	35.00	
			<i>For Each 1' Of Additional Door Height, Add</i>	31.00	
			<i>For >50 To 100, Deduct</i>	-13.92	
			<i>For >100, Deduct</i>	-19.63	
08 14 16 00-0045	EA		2'-6" x 7' x 1-3/8" Solid Core, Lauan Faced Door.....	240.24	52.00
			<i>For 7 Ply Core, Add</i>	20.44	
			<i>For Machining for Mortise Lock, Add</i>	35.00	
			<i>For Each 1' Of Additional Door Height, Add</i>	32.70	
			<i>For >50 To 100, Deduct</i>	-14.61	
			<i>For >100, Deduct</i>	-20.62	
08 14 16 00-0046	EA		2'-8" x 7' x 1-3/8" Solid Core, Lauan Faced Door.....	247.36	52.00
			<i>For 7 Ply Core, Add</i>	21.51	
			<i>For Machining for Mortise Lock, Add</i>	35.00	
			<i>For Each 1' Of Additional Door Height, Add</i>	34.41	
			<i>For >50 To 100, Deduct</i>	-14.97	
			<i>For >100, Deduct</i>	-21.15	
08 14 16 00-0047	EA		3' x 7' x 1-3/8" Solid Core, Lauan Faced Door.....	259.05	54.26
			<i>For 7 Ply Core, Add</i>	22.58	
			<i>For Machining for Mortise Lock, Add</i>	35.00	
			<i>For Each 1' Of Additional Door Height, Add</i>	36.13	
			<i>For >50 To 100, Deduct</i>	-15.67	
			<i>For >100, Deduct</i>	-22.14	
08 14 16 00-0048	EA		3'-4" x 7' x 1-3/8" Solid Core, Lauan Faced Door.....	275.60	54.26
			<i>For 7 Ply Core, Add</i>	25.06	
			<i>For Machining for Mortise Lock, Add</i>	35.00	
			<i>For Each 1' Of Additional Door Height, Add</i>	40.10	
			<i>For >50 To 100, Deduct</i>	-16.49	
			<i>For >100, Deduct</i>	-23.38	
08 14 16 00-0049	EA		3'-6" x 7' x 1-3/8" Solid Core, Lauan Faced Door.....	293.20	56.51
			<i>For 7 Ply Core, Add</i>	27.02	
			<i>For Machining for Mortise Lock, Add</i>	35.00	
			<i>For Each 1' Of Additional Door Height, Add</i>	43.24	
			<i>For >50 To 100, Deduct</i>	-17.49	
			<i>For >100, Deduct</i>	-24.82	
08 14 16 00-0050	PR		Pair 2' x 7' x 1-3/8" Solid Core, Lauan Faced Door.....	447.35	94.50
			<i>For 7 Ply Core, Add</i>	38.75	
			<i>For Machining for Mortise Lock, Add</i>	35.00	
			<i>For Each 1' Of Additional Door Height, Add</i>	62.01	
			<i>For >50 To 100, Deduct</i>	-27.09	
			<i>For >100, Deduct</i>	-38.28	
08 14 16 00-0051	PR		Pair 2'-6" x 7' x 1-3/8" Solid Core, Lauan Faced Door.....	470.09	98.79
			<i>For 7 Ply Core, Add</i>	40.88	
			<i>For Machining for Mortise Lock, Add</i>	35.00	
			<i>For Each 1' Of Additional Door Height, Add</i>	65.40	
			<i>For >50 To 100, Deduct</i>	-28.44	
			<i>For >100, Deduct</i>	-40.20	
08 14 16 00-0052	PR		Pair 3' x 7' x 1-3/8" Solid Core, Lauan Faced Door.....	507.24	103.09
			<i>For 7 Ply Core, Add</i>	45.16	
			<i>For Machining for Mortise Lock, Add</i>	35.00	
			<i>For Each 1' Of Additional Door Height, Add</i>	72.26	
			<i>For >50 To 100, Deduct</i>	-30.52	
			<i>For >100, Deduct</i>	-43.20	
08 14 16 00-0053			Tempered Hardboard Faced <small>(08 14 16 00-0032)</small>		

08	Openings
08 10	Doors And Frames
08 14	Wood Doors



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0054	EA		2'-0" Or 2'-4" x 7' x 1-3/8" Solid Core, Hardboard Faced Door.....	245.35	49.73
			For Machining for Mortise Lock, Add	35.00	
			For Each 1' Of Additional Door Height, Add	35.01	
			For >50 To 100, Deduct	-14.75	
			For >100, Deduct	-20.89	
08 14 16 00-0055	EA		2'-6" x 7' x 1-3/8" Solid Core, Hardboard Faced Door.....	258.34	52.00
			For Machining for Mortise Lock, Add	35.00	
			For Each 1' Of Additional Door Height, Add	37.04	
			For >50 To 100, Deduct	-15.52	
			For >100, Deduct	-21.98	
08 14 16 00-0056	EA		2'-8" x 7' x 1-3/8" Solid Core, Hardboard Faced Door.....	266.79	52.00
			For Machining for Mortise Lock, Add	35.00	
			For Each 1' Of Additional Door Height, Add	39.07	
			For >50 To 100, Deduct	-15.94	
			For >100, Deduct	-22.61	
08 14 16 00-0057	EA		3' x 7' x 1-3/8" Solid Core, Hardboard Faced Door.....	274.44	54.26
			For Machining for Mortise Lock, Add	35.00	
			For Each 1' Of Additional Door Height, Add	39.82	
			For >50 To 100, Deduct	-16.43	
			For >100, Deduct	-23.30	
08 14 16 00-0058	EA		3'-4" x 7' x 1-3/8" Solid Core, Hardboard Faced Door.....	292.74	54.26
			For Machining for Mortise Lock, Add	35.00	
			For Each 1' Of Additional Door Height, Add	44.22	
			For >50 To 100, Deduct	-17.35	
			For >100, Deduct	-24.67	
08 14 16 00-0059	EA		3'-6" x 7' x 1-3/8" Solid Core, Hardboard Faced Door.....	330.65	56.51
			For Machining for Mortise Lock, Add	35.00	
			For Each 1' Of Additional Door Height, Add	52.23	
			For >50 To 100, Deduct	-19.36	
			For >100, Deduct	-27.62	
08 14 16 00-0060	PR		Pair 2' x 7' x 1-3/8" Solid Core, Hardboard Faced Door.....	480.74	94.50
			For Machining for Mortise Lock, Add	35.00	
			For Each 1' Of Additional Door Height, Add	70.02	
			For >50 To 100, Deduct	-28.76	
			For >100, Deduct	-40.78	
08 14 16 00-0061	PR		Pair 2'-6" x 7' x 1-3/8" Solid Core, Hardboard Faced Door.....	506.25	98.79
			For Machining for Mortise Lock, Add	35.00	
			For Each 1' Of Additional Door Height, Add	74.08	
			For >50 To 100, Deduct	-30.25	
			For >100, Deduct	-42.91	
08 14 16 00-0062	PR		Pair 3' x 7' x 1-3/8" Solid Core, Hardboard Faced Door.....	538.03	103.09
			For Machining for Mortise Lock, Add	35.00	
			For Each 1' Of Additional Door Height, Add	79.65	
			For >50 To 100, Deduct	-32.06	
			For >100, Deduct	-45.51	
08 14 16 00-0063			Plastic Laminated Wood Doors (08 14 16 00-0032)		
08 14 16 00-0064	EA		2'-0" Or 2'-4" x 7' x 1-3/8" Solid Core Wood Plastic Laminated Door.....	401.61	49.73
			For Machining for Mortise Lock, Add	35.00	
			For Each 1' Of Additional Door Height, Add	72.51	
			For >50 To 100, Deduct	-22.57	
			For >100, Deduct	-32.61	
08 14 16 00-0065	EA		2'-6" x 7' x 1-3/8" Solid Core Wood Plastic Laminated Door.....	422.75	52.00
			For Machining for Mortise Lock, Add	35.00	
			For Each 1' Of Additional Door Height, Add	76.50	
			For >50 To 100, Deduct	-23.74	
			For >100, Deduct	-34.31	
08 14 16 00-0066	EA		2'-8" x 7' x 1-3/8" Solid Core Wood Plastic Laminated Door.....	439.36	52.00
			For Machining for Mortise Lock, Add	35.00	
			For Each 1' Of Additional Door Height, Add	80.49	
			For >50 To 100, Deduct	-24.57	
			For >100, Deduct	-35.55	
08 14 16 00-0067	EA		3' x 7' x 1-3/8" Solid Core Wood Plastic Laminated Door.....	460.60	54.26
			For Machining for Mortise Lock, Add	35.00	
			For Each 1' Of Additional Door Height, Add	84.50	
			For >50 To 100, Deduct	-25.74	
			For >100, Deduct	-37.26	
08 14 16 00-0068	EA		3'-4" x 7' x 1-3/8" Solid Core Wood Plastic Laminated Door.....	499.32	54.26
			For Machining for Mortise Lock, Add	35.00	
			For Each 1' Of Additional Door Height, Add	93.79	
			For >50 To 100, Deduct	-27.68	
			For >100, Deduct	-40.16	
08 14 16 00-0069	EA		3'-6" x 7' x 1-3/8" Solid Core Wood Plastic Laminated Door.....	528.86	56.51
			For Machining for Mortise Lock, Add	35.00	
			For Each 1' Of Additional Door Height, Add	99.80	
			For >50 To 100, Deduct	-29.27	
			For >100, Deduct	-42.49	
08 14 16 00-0070	PR		Pair 2' x 7' x 1-3/8" Solid Core Wood Plastic Laminated Door.....	793.28	94.50
			For Machining for Mortise Lock, Add	35.00	
			For Each 1' Of Additional Door Height, Add	145.03	
			For >50 To 100, Deduct	-44.39	
			For >100, Deduct	-64.22	



Openings	08	08
Doors And Frames	08 10	
Wood Doors	08 14	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0071	PR		Pair 2'-6" x 7' x 1-3/8" Solid Core Wood Plastic Laminated Door..... <i>For Machining for Mortise Lock, Add</i> <i>For Each 1' Of Additional Door Height, Add</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	835.03 35.00 152.99 -46.69 -67.57	98.79
08 14 16 00-0072	PR		Pair 3' x 7' x 1-3/8" Solid Core Wood Plastic Laminated Door..... <i>For Machining for Mortise Lock, Add</i> <i>For Each 1' Of Additional Door Height, Add</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	910.36 35.00 169.01 -50.67 -73.43	103.09
08 14 16 00-0073			Hollow Core Doors, 1-3/4" Thick (08 14 16)		
08 14 16 00-0074			Birch Faced (08 14 16 00-0073)		
08 14 16 00-0075	EA		2'-0" Or 2'-4" x 7' x 1-3/4" Hollow Core, Birch Faced Door..... <i>For Each 1' Of Additional Door Height, Add</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	269.74 40.86 -15.97 -22.72	49.73
08 14 16 00-0076	EA		2'-6" x 7' x 1-3/4" Hollow Core, Birch Faced Door..... <i>For Each 1' Of Additional Door Height, Add</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	280.67 42.40 -16.63 -23.65	52.00
08 14 16 00-0077	EA		2'-8" x 7' x 1-3/4" Hollow Core, Birch Faced Door..... <i>For Each 1' Of Additional Door Height, Add</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	283.07 42.98 -16.75 -23.83	52.00
08 14 16 00-0078	EA		3' x 7' x 1-3/4" Hollow Core, Birch Faced Door..... <i>For Each 1' Of Additional Door Height, Add</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	298.05 45.49 -17.62 -25.07	54.26
08 14 16 00-0079	EA		3'-4" x 7' x 1-3/4" Hollow Core, Birch Faced Door..... <i>For Each 1' Of Additional Door Height, Add</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	325.86 52.16 -19.01 -27.15	54.26
08 14 16 00-0080	EA		3'-6" x 7' x 1-3/4" Hollow Core, Birch Faced Door..... <i>For Each 1' Of Additional Door Height, Add</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	386.80 65.70 -22.17 -31.84	56.51
08 14 16 00-0081	PR		Pair 2'-6" x 7' x 1-3/4" Hollow Core, Birch Faced Door..... <i>For Each 1' Of Additional Door Height, Add</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	529.54 81.73 -31.20 -44.44	94.50
08 14 16 00-0082	PR		Pair 2'-6" x 7' x 1-3/4" Hollow Core, Birch Faced Door..... <i>For Each 1' Of Additional Door Height, Add</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	550.97 84.81 -32.49 -46.26	98.79
08 14 16 00-0083	PR		Pair 3' x 7' x 1-3/4" Hollow Core, Birch Faced Door..... <i>For Each 1' Of Additional Door Height, Add</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	585.25 90.98 -34.42 -49.05	103.09
08 14 16 00-0084			Lauan Faced (08 14 16 00-0073)		
08 14 16 00-0085	EA		2'-0" Or 2'-4" x 7' x 1-3/4" Hollow Core, Lauan Faced Door..... <i>For Each 1' Of Additional Door Height, Add</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	228.86 31.05 -13.93 -19.65	49.73
08 14 16 00-0086	EA		2'-6" x 7' x 1-3/4" Hollow Core, Lauan Faced Door..... <i>For Each 1' Of Additional Door Height, Add</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	242.29 33.19 -14.71 -20.77	52.00
08 14 16 00-0087	EA		2'-8" x 7' x 1-3/4" Hollow Core, Lauan Faced Door..... <i>For Each 1' Of Additional Door Height, Add</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	249.53 34.93 -15.08 -21.31	52.00
08 14 16 00-0088	EA		3' x 7' x 1-3/4" Hollow Core, Lauan Faced Door..... <i>For Each 1' Of Additional Door Height, Add</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	256.91 35.62 -15.56 -21.98	54.26
08 14 16 00-0089	EA		3'-4" x 7' x 1-3/4" Hollow Core, Lauan Faced Door..... <i>For Each 1' Of Additional Door Height, Add</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	273.23 39.53 -16.37 -23.21	54.26
08 14 16 00-0090	EA		3'-6" x 7' x 1-3/4" Hollow Core, Lauan Faced Door..... <i>For Each 1' Of Additional Door Height, Add</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	298.78 44.58 -17.77 -25.23	56.51
08 14 16 00-0091	PR		Pair 2'-6" x 7' x 1-3/4" Hollow Core, Lauan Faced Door..... <i>For Each 1' Of Additional Door Height, Add</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	447.76 62.10 -27.11 -38.31	94.50
08 14 16 00-0092	PR		Pair 2'-6" x 7' x 1-3/4" Hollow Core, Lauan Faced Door..... <i>For Each 1' Of Additional Door Height, Add</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	474.21 66.39 -28.65 -40.51	98.79

08	Openings
08 10	Doors And Frames
08 14	Wood Doors



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0093	PR		Pair 3' x 7' x 1-3/4" Hollow Core, Luan Faced Door	502.94	103.09
			<i>For Each 1' Of Additional Door Height, Add</i>	71.22	
			<i>For >50 To 100, Deduct</i>	-30.30	
			<i>For >100, Deduct</i>	-42.87	
08 14 16 00-0094			Tempered Hardboard <small>(08 14 16 00-0073)</small>		
08 14 16 00-0095	EA		2'-0" Or 2'-4" x 7' x 1-3/4" Hollow Core, Hardboard Faced Door	229.81	49.73
			<i>For Each 1' Of Additional Door Height, Add</i>	31.28	
			<i>For >50 To 100, Deduct</i>	-13.98	
			<i>For >100, Deduct</i>	-19.72	
08 14 16 00-0096	EA		2'-6" x 7' x 1-3/4" Hollow Core, Hardboard Faced Door	237.94	52.00
			<i>For Each 1' Of Additional Door Height, Add</i>	32.15	
			<i>For >50 To 100, Deduct</i>	-14.50	
			<i>For >100, Deduct</i>	-20.45	
08 14 16 00-0097	EA		2'-8" x 7' x 1-3/4" Hollow Core, Hardboard Faced Door	245.21	52.00
			<i>For Each 1' Of Additional Door Height, Add</i>	33.89	
			<i>For >50 To 100, Deduct</i>	-14.86	
			<i>For >100, Deduct</i>	-20.99	
08 14 16 00-0098	EA		3' x 7' x 1-3/4" Hollow Core, Hardboard Faced Door	256.95	54.26
			<i>For Each 1' Of Additional Door Height, Add</i>	35.63	
			<i>For >50 To 100, Deduct</i>	-15.56	
			<i>For >100, Deduct</i>	-21.98	
08 14 16 00-0099	EA		3'-4" x 7' x 1-3/4" Hollow Core, Hardboard Faced Door	265.23	54.26
			<i>For Each 1' Of Additional Door Height, Add</i>	37.61	
			<i>For >50 To 100, Deduct</i>	-15.97	
			<i>For >100, Deduct</i>	-22.61	
08 14 16 00-0100	EA		3'-6" x 7' x 1-3/4" Hollow Core, Hardboard Faced Door	296.69	56.51
			<i>For Each 1' Of Additional Door Height, Add</i>	44.08	
			<i>For >50 To 100, Deduct</i>	-17.66	
			<i>For >100, Deduct</i>	-25.08	
08 14 16 00-0101	PR		Pair 2' x 7' x 1-3/4" Hollow Core, Hardboard Faced Door	449.66	94.50
			<i>For Each 1' Of Additional Door Height, Add</i>	62.56	
			<i>For >50 To 100, Deduct</i>	-27.21	
			<i>For >100, Deduct</i>	-38.45	
08 14 16 00-0102	PR		Pair 2'-6" x 7' x 1-3/4" Hollow Core, Hardboard Faced Door	465.49	98.79
			<i>For Each 1' Of Additional Door Height, Add</i>	64.30	
			<i>For >50 To 100, Deduct</i>	-28.21	
			<i>For >100, Deduct</i>	-39.85	
08 14 16 00-0103	PR		Pair 3' x 7' x 1-3/4" Hollow Core, Hardboard Faced Door	503.06	103.09
			<i>For Each 1' Of Additional Door Height, Add</i>	71.25	
			<i>For >50 To 100, Deduct</i>	-30.31	
			<i>For >100, Deduct</i>	-42.88	
08 14 16 00-0104			Oak Or Maple Faced <small>(08 14 16 00-0073)</small>		
08 14 16 00-0105	EA		2'-0" Or 2'-4" x 7' x 1-3/4" Hollow Core, Oak Or Maple Faced Door	323.51	49.73
			<i>For Each 1' Of Additional Door Height, Add</i>	53.77	
			<i>For >50 To 100, Deduct</i>	-18.66	
			<i>For >100, Deduct</i>	-26.75	
08 14 16 00-0106	EA		2'-6" x 7' x 1-3/4" Hollow Core, Oak Or Maple Faced Door	336.46	52.00
			<i>For Each 1' Of Additional Door Height, Add</i>	55.79	
			<i>For >50 To 100, Deduct</i>	-19.42	
			<i>For >100, Deduct</i>	-27.83	
08 14 16 00-0107	EA		2'-8" x 7' x 1-3/4" Hollow Core, Oak Or Maple Faced Door	339.61	52.00
			<i>For Each 1' Of Additional Door Height, Add</i>	56.55	
			<i>For >50 To 100, Deduct</i>	-19.58	
			<i>For >100, Deduct</i>	-28.07	
08 14 16 00-0108	EA		3' x 7' x 1-3/4" Hollow Core, Oak Or Maple Faced Door	357.90	54.26
			<i>For Each 1' Of Additional Door Height, Add</i>	59.85	
			<i>For >50 To 100, Deduct</i>	-20.61	
			<i>For >100, Deduct</i>	-29.56	
08 14 16 00-0109	EA		3'-4" x 7' x 1-3/4" Hollow Core, Oak Or Maple Faced Door	394.48	54.26
			<i>For Each 1' Of Additional Door Height, Add</i>	68.63	
			<i>For >50 To 100, Deduct</i>	-22.44	
			<i>For >100, Deduct</i>	-32.30	
08 14 16 00-0110	EA		3'-6" x 7' x 1-3/4" Hollow Core, Oak Or Maple Faced Door	473.25	56.51
			<i>For Each 1' Of Additional Door Height, Add</i>	86.45	
			<i>For >50 To 100, Deduct</i>	-26.49	
			<i>For >100, Deduct</i>	-38.32	
08 14 16 00-0111	PR		Pair 2' x 7' x 1-3/4" Hollow Core, Oak Or Maple Faced Door	637.06	94.50
			<i>For Each 1' Of Additional Door Height, Add</i>	107.54	
			<i>For >50 To 100, Deduct</i>	-36.58	
			<i>For >100, Deduct</i>	-52.50	
08 14 16 00-0112	PR		Pair 2'-6" x 7' x 1-3/4" Hollow Core, Oak Or Maple Faced Door	662.56	98.79
			<i>For Each 1' Of Additional Door Height, Add</i>	111.60	
			<i>For >50 To 100, Deduct</i>	-38.07	
			<i>For >100, Deduct</i>	-54.63	
08 14 16 00-0113	PR		Pair 3' x 7' x 1-3/4" Hollow Core, Oak Or Maple Faced Door	704.96	103.09
			<i>For Each 1' Of Additional Door Height, Add</i>	119.71	
			<i>For >50 To 100, Deduct</i>	-40.40	
			<i>For >100, Deduct</i>	-58.03	
08 14 16 00-0114			Walnut Faced <small>(08 14 16 00-0073)</small>		



Openings	08	08
Doors And Frames	08 10	
Wood Doors	08 14	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0115 EA 2'-0" Or 2'-4" x 7' x 1-3/4" Hollow Core, Walnut Faced Door.....	402.98	49.73
For Each 1' Of Additional Door Height, Add	72.84	
For >50 To 100, Deduct	-22.64	
For >100, Deduct	-32.71	
08 14 16 00-0116 EA 2'-6" x 7' x 1-3/4" Hollow Core, Walnut Faced Door.....	409.63	52.00
For Each 1' Of Additional Door Height, Add	73.35	
For >50 To 100, Deduct	-23.08	
For >100, Deduct	-33.32	
08 14 16 00-0117 EA 2'-8" x 7' x 1-3/4" Hollow Core, Walnut Faced Door.....	423.07	52.00
For Each 1' Of Additional Door Height, Add	76.58	
For >50 To 100, Deduct	-23.75	
For >100, Deduct	-34.33	
08 14 16 00-0118 EA 3' x 7' x 1-3/4" Hollow Core, Walnut Faced Door.....	431.71	54.26
For Each 1' Of Additional Door Height, Add	77.57	
For >50 To 100, Deduct	-24.30	
For >100, Deduct	-35.09	
08 14 16 00-0119 EA 3'-4" x 7' x 1-3/4" Hollow Core, Walnut Faced Door.....	467.77	54.26
For Each 1' Of Additional Door Height, Add	86.22	
For >50 To 100, Deduct	-26.10	
For >100, Deduct	-37.80	
08 14 16 00-0120 EA 3'-6" x 7' x 1-3/4" Hollow Core, Walnut Faced Door.....	565.44	56.51
For Each 1' Of Additional Door Height, Add	108.58	
For >50 To 100, Deduct	-31.10	
For >100, Deduct	-45.23	
08 14 16 00-0121 PR Pair 2' x 7' x 1-3/4" Hollow Core, Walnut Faced Door.....	795.74	94.50
For Each 1' Of Additional Door Height, Add	145.62	
For >50 To 100, Deduct	-44.51	
For >100, Deduct	-64.41	
08 14 16 00-0122 PR Pair 2'-6" x 7' x 1-3/4" Hollow Core, Walnut Faced Door.....	808.86	98.79
For Each 1' Of Additional Door Height, Add	146.71	
For >50 To 100, Deduct	-45.38	
For >100, Deduct	-65.60	
08 14 16 00-0123 PR Pair 3' x 7' x 1-3/4" Hollow Core, Walnut Faced Door.....	852.58	103.09
For Each 1' Of Additional Door Height, Add	155.14	
For >50 To 100, Deduct	-47.78	
For >100, Deduct	-69.10	
08 14 16 00-0124 Solid Core Doors, 1-3/4" Thick, 5 Ply (08 14 16)		
08 14 16 00-0125 Birch Faced (08 14 16 00-0124)		
08 14 16 00-0126 EA 2'-0" Or 2'-4" x 7' x 1-3/4" Solid Core, Birch Faced Door.....	310.59	49.73
For 7 Ply Core, Add	31.67	
For Solid Wood Staved Core (Glued Block), Add	52.78	
Note: Not used in conjunction with fire rating >20 minutes.		
For Exterior Grade Door, Add	57.75	
For Machining for Mortise Lock, Add	35.00	
For Commercial Grade 20 Minute Fire Rated Door, Add	25.33	
For Commercial Grade 3/4 Hour Fire Rated Door, Add	114.00	
For Commercial Grade 1 Hour Fire Rated Door, Add	158.34	
For Commercial Grade 1-1/2 Hour Rated Fire Door, Add	253.34	
For Each 1' Of Additional Door Height, Add	50.67	
For >50 To 100, Deduct	-18.02	
For >100, Deduct	-25.78	
08 14 16 00-0127 EA 2'-6" x 7' x 1-3/4" Solid Core, Birch Faced Door.....	303.99	52.00
For 7 Ply Core, Add	30.00	
For Solid Wood Staved Core (Glued Block), Add	50.00	
Note: Not used in conjunction with fire rating >20 minutes.		
For Exterior Grade Door, Add	55.20	
For Machining for Mortise Lock, Add	35.00	
For Commercial Grade 20 Minute Fire Rated Door, Add	24.00	
For Commercial Grade 3/4 Hour Fire Rated Door, Add	108.00	
For Commercial Grade 1 Hour Fire Rated Door, Add	150.00	
For Commercial Grade 1-1/2 Hour Rated Fire Door, Add	240.00	
For Each 1' Of Additional Door Height, Add	48.00	
For >50 To 100, Deduct	-17.80	
For >100, Deduct	-25.40	
08 14 16 00-0128 EA 2'-8" x 7' x 1-3/4" Solid Core, Birch Faced Door.....	312.33	52.00
For 7 Ply Core, Add	31.25	
For Solid Wood Staved Core (Glued Block), Add	52.09	
Note: Not used in conjunction with fire rating >20 minutes.		
For Exterior Grade Door, Add	57.28	
For Machining for Mortise Lock, Add	35.00	
For Commercial Grade 20 Minute Fire Rated Door, Add	25.00	
For Commercial Grade 3/4 Hour Fire Rated Door, Add	112.50	
For Commercial Grade 1 Hour Fire Rated Door, Add	156.26	
For Commercial Grade 1-1/2 Hour Rated Fire Door, Add	250.01	
For Each 1' Of Additional Door Height, Add	50.00	
For >50 To 100, Deduct	-18.22	
For >100, Deduct	-26.02	

08 Openings
08 10 Doors And Frames
08 14 Wood Doors



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0129	EA		3' x 7' x 1-3/4" Solid Core, Birch Faced Door.....	327.96	54.26
			For 7 Ply Core, Add	32.92	
			For Solid Wood Staved Core (Glued Block), Add	54.86	
			Note: Not used in conjunction with fire rating >20 minutes.		
			For Exterior Grade Door, Add	60.29	
			For Machining for Mortise Lock, Add	35.00	
			For Commercial Grade 20 Minute Fire Rated Door, Add	26.33	
			For Commercial Grade 3/4 Hour Fire Rated Door, Add	118.50	
			For Commercial Grade 1 Hour Fire Rated Door, Add	164.59	
			For Commercial Grade 1-1/2 Hour Rated Fire Door, Add	263.34	
			For Each 1' Of Additional Door Height, Add	52.67	
			For >50 To 100, Deduct	-19.11	
			For >100, Deduct	-27.31	
08 14 16 00-0130	EA		3'-4" x 7' x 1-3/4" Solid Core, Birch Faced Door.....	352.10	54.26
			For 7 Ply Core, Add	36.54	
			For Solid Wood Staved Core (Glued Block), Add	60.90	
			Note: Not used in conjunction with fire rating >20 minutes.		
			For Exterior Grade Door, Add	66.32	
			For Machining for Mortise Lock, Add	35.00	
			For Commercial Grade 20 Minute Fire Rated Door, Add	29.23	
			For Commercial Grade 3/4 Hour Fire Rated Door, Add	131.54	
			For Commercial Grade 1 Hour Fire Rated Door, Add	182.69	
			For Commercial Grade 1-1/2 Hour Rated Fire Door, Add	292.31	
			For Each 1' Of Additional Door Height, Add	58.46	
			For >50 To 100, Deduct	-20.32	
			For >100, Deduct	-29.12	
08 14 16 00-0131	EA		3'-6" x 7' x 1-3/4" Solid Core, Birch Faced Door.....	408.79	56.51
			For 7 Ply Core, Add	44.36	
			For Solid Wood Staved Core (Glued Block), Add	73.94	
			Note: Not used in conjunction with fire rating >20 minutes.		
			For Exterior Grade Door, Add	79.59	
			For Machining for Mortise Lock, Add	35.00	
			For Commercial Grade 20 Minute Fire Rated Door, Add	35.49	
			For Commercial Grade 3/4 Hour Fire Rated Door, Add	159.71	
			For Commercial Grade 1 Hour Fire Rated Door, Add	221.81	
			For Commercial Grade 1-1/2 Hour Rated Fire Door, Add	354.90	
			For Each 1' Of Additional Door Height, Add	70.98	
			For >50 To 100, Deduct	-23.27	
			For >100, Deduct	-33.49	
08 14 16 00-0132	PR		Pair 2' x 7' x 1-3/4" Solid Core, Birch Faced Door.....	611.23	94.50
			For 7 Ply Core, Add	63.34	
			For Solid Wood Staved Core (Glued Block), Add	105.56	
			Note: Not used in conjunction with fire rating >20 minutes.		
			For Exterior Grade Door, Add	115.01	
			For Machining for Mortise Lock, Add	35.00	
			For Commercial Grade 20 Minute Fire Rated Door, Add	50.67	
			For Commercial Grade 3/4 Hour Fire Rated Door, Add	228.01	
			For Commercial Grade 1 Hour Fire Rated Door, Add	316.68	
			For Commercial Grade 1-1/2 Hour Rated Fire Door, Add	506.69	
			For Each 1' Of Additional Door Height, Add	101.34	
			For >50 To 100, Deduct	-35.29	
			For >100, Deduct	-50.57	
08 14 16 00-0133	PR		Pair 2'-6" x 7' x 1-3/4" Solid Core, Birch Faced Door.....	597.58	98.79
			For 7 Ply Core, Add	60.00	
			For Solid Wood Staved Core (Glued Block), Add	100.00	
			Note: Not used in conjunction with fire rating >20 minutes.		
			For Exterior Grade Door, Add	109.88	
			For Machining for Mortise Lock, Add	35.00	
			For Commercial Grade 20 Minute Fire Rated Door, Add	48.00	
			For Commercial Grade 3/4 Hour Fire Rated Door, Add	216.00	
			For Commercial Grade 1 Hour Fire Rated Door, Add	300.00	
			For Commercial Grade 1-1/2 Hour Rated Fire Door, Add	480.00	
			For Each 1' Of Additional Door Height, Add	96.00	
			For >50 To 100, Deduct	-34.82	
			For >100, Deduct	-49.76	
08 14 16 00-0134	PR		Pair 3' x 7' x 1-3/4" Solid Core, Birch Faced Door.....	645.07	103.09
			For 7 Ply Core, Add	65.84	
			For Solid Wood Staved Core (Glued Block), Add	109.73	
			Note: Not used in conjunction with fire rating >20 minutes.		
			For Exterior Grade Door, Add	120.03	
			For Machining for Mortise Lock, Add	35.00	
			For Commercial Grade 20 Minute Fire Rated Door, Add	52.67	
			For Commercial Grade 3/4 Hour Fire Rated Door, Add	237.01	
			For Commercial Grade 1 Hour Fire Rated Door, Add	329.18	
			For Commercial Grade 1-1/2 Hour Rated Fire Door, Add	526.68	
			For Each 1' Of Additional Door Height, Add	105.34	
			For >50 To 100, Deduct	-37.41	
			For >100, Deduct	-53.53	

08 14 16 00-0135 Luan Faced (08 14 16 00-0124)



Openings	08	08
Doors And Frames	08 10	
Wood Doors	08 14	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0136 EA 2'-0" Or 2'-4" x 7' x 1-3/4" Solid Core, Lauan Faced Door.....	275.30	49.73
For 7 Ply Core, Add	26.37	
For Machining for Mortise Lock, Add	35.00	
For Commercial Grade 20 Minute Fire Rated Door, Add	21.10	
For Commercial Grade 3/4 Hour Fire Rated Door, Add	94.95	
For Commercial Grade 1 Hour Fire Rated Door, Add	131.87	
For Commercial Grade 1-1/2 Hour Rated Fire Door, Add	211.00	
For Each 1' Of Additional Door Height, Add	42.20	
For >50 To 100, Deduct	-16.25	
For >100, Deduct	-23.13	
08 14 16 00-0137 EA 2'-6" x 7' x 1-3/4" Solid Core, Lauan Faced Door.....	280.33	52.00
For 7 Ply Core, Add	26.45	
For Machining for Mortise Lock, Add	35.00	
For Commercial Grade 20 Minute Fire Rated Door, Add	21.16	
For Commercial Grade 3/4 Hour Fire Rated Door, Add	95.22	
For Commercial Grade 1 Hour Fire Rated Door, Add	132.26	
For Commercial Grade 1-1/2 Hour Rated Fire Door, Add	211.61	
For Each 1' Of Additional Door Height, Add	42.32	
For >50 To 100, Deduct	-16.62	
For >100, Deduct	-23.62	
08 14 16 00-0138 EA 2'-8" x 7' x 1-3/4" Solid Core, Lauan Faced Door.....	285.39	52.00
For 7 Ply Core, Add	27.21	
For Machining for Mortise Lock, Add	35.00	
For Commercial Grade 20 Minute Fire Rated Door, Add	21.77	
For Commercial Grade 3/4 Hour Fire Rated Door, Add	97.96	
For Commercial Grade 1 Hour Fire Rated Door, Add	136.05	
For Commercial Grade 1-1/2 Hour Rated Fire Door, Add	217.68	
For Each 1' Of Additional Door Height, Add	43.54	
For >50 To 100, Deduct	-16.87	
For >100, Deduct	-24.00	
08 14 16 00-0139 EA 3' x 7' x 1-3/4" Solid Core, Lauan Faced Door.....	293.58	54.26
For 7 Ply Core, Add	27.76	
For Machining for Mortise Lock, Add	35.00	
For Commercial Grade 20 Minute Fire Rated Door, Add	22.21	
For Commercial Grade 3/4 Hour Fire Rated Door, Add	99.94	
For Commercial Grade 1 Hour Fire Rated Door, Add	138.80	
For Commercial Grade 1-1/2 Hour Rated Fire Door, Add	222.08	
For Each 1' Of Additional Door Height, Add	44.42	
For >50 To 100, Deduct	-17.39	
For >100, Deduct	-24.73	
08 14 16 00-0140 EA 3'-4" x 7' x 1-3/4" Solid Core, Lauan Faced Door.....	310.31	54.26
For 7 Ply Core, Add	30.27	
For Machining for Mortise Lock, Add	35.00	
For Commercial Grade 20 Minute Fire Rated Door, Add	24.22	
For Commercial Grade 3/4 Hour Fire Rated Door, Add	108.97	
For Commercial Grade 1 Hour Fire Rated Door, Add	151.35	
For Commercial Grade 1-1/2 Hour Rated Fire Door, Add	242.16	
For Each 1' Of Additional Door Height, Add	48.43	
For >50 To 100, Deduct	-18.23	
For >100, Deduct	-25.99	
08 14 16 00-0141 EA 3'-6" x 7' x 1-3/4" Solid Core, Lauan Faced Door.....	329.23	56.51
For 7 Ply Core, Add	32.43	
For Machining for Mortise Lock, Add	35.00	
For Commercial Grade 20 Minute Fire Rated Door, Add	25.94	
For Commercial Grade 3/4 Hour Fire Rated Door, Add	116.74	
For Commercial Grade 1 Hour Fire Rated Door, Add	162.14	
For Commercial Grade 1-1/2 Hour Rated Fire Door, Add	259.43	
For Each 1' Of Additional Door Height, Add	51.89	
For >50 To 100, Deduct	-19.29	
For >100, Deduct	-27.52	
08 14 16 00-0142 PR Pair 2' x 7' x 1-3/4" Solid Core, Lauan Faced Door.....	540.65	94.50
For 7 Ply Core, Add	52.75	
For Machining for Mortise Lock, Add	35.00	
For Commercial Grade 20 Minute Fire Rated Door, Add	42.20	
For Commercial Grade 3/4 Hour Fire Rated Door, Add	189.90	
For Commercial Grade 1 Hour Fire Rated Door, Add	263.75	
For Commercial Grade 1-1/2 Hour Rated Fire Door, Add	421.99	
For Each 1' Of Additional Door Height, Add	84.40	
For >50 To 100, Deduct	-31.76	
For >100, Deduct	-45.27	
08 14 16 00-0143 PR Pair 2'-6" x 7' x 1-3/4" Solid Core, Lauan Faced Door.....	550.28	98.79
For 7 Ply Core, Add	52.91	
For Machining for Mortise Lock, Add	35.00	
For Commercial Grade 20 Minute Fire Rated Door, Add	42.32	
For Commercial Grade 3/4 Hour Fire Rated Door, Add	190.46	
For Commercial Grade 1 Hour Fire Rated Door, Add	264.53	
For Commercial Grade 1-1/2 Hour Rated Fire Door, Add	423.24	
For Each 1' Of Additional Door Height, Add	84.65	
For >50 To 100, Deduct	-32.45	
For >100, Deduct	-46.21	

08 Openings
08 10 Doors And Frames
08 14 Wood Doors



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0144	PR		Pair 3' x 7' x 1-3/4" Solid Core, Lauan Faced Door.....	576.34	103.09
			<i>For 7 Ply Core, Add</i>	55.53	
			<i>For Machining for Mortise Lock, Add</i>	35.00	
			<i>For Commercial Grade 20 Minute Fire Rated Door, Add</i>	44.42	
			<i>For Commercial Grade 3/4 Hour Fire Rated Door, Add</i>	199.89	
			<i>For Commercial Grade 1 Hour Fire Rated Door, Add</i>	277.63	
			<i>For Commercial Grade 1-1/2 Hour Rated Fire Door, Add</i>	444.20	
			<i>For Each 1' Of Additional Door Height, Add</i>	88.84	
			<i>For >50 To 100, Deduct</i>	-33.97	
			<i>For >100, Deduct</i>	-48.38	
08 14 16 00-0145			Plastic Laminated <small>(08 14 16 00-0124)</small>		
08 14 16 00-0146	EA		2'-0" Or 2'-4" x 7' x 1-3/4" Solid Core Plastic Laminated Door.....	614.22	49.73
			<i>For Machining for Mortise Lock, Add</i>	35.00	
			<i>For Commercial Grade 20 Minute Fire Rated Door, Add</i>	61.77	
			<i>For Commercial Grade 3/4 Hour Fire Rated Door, Add</i>	277.97	
			<i>For Commercial Grade 1 Hour Fire Rated Door, Add</i>	386.06	
			<i>For Commercial Grade 1-1/2 Hour Rated Fire Door, Add</i>	617.70	
			<i>For Each 1' Of Additional Door Height, Add</i>	123.54	
			<i>For >50 To 100, Deduct</i>	-33.20	
			<i>For >100, Deduct</i>	-48.55	
08 14 16 00-0147	EA		2'-6" x 7' x 1-3/4" Solid Core Plastic Laminated Door.....	634.83	52.00
			<i>For Machining for Mortise Lock, Add</i>	35.00	
			<i>For Commercial Grade 20 Minute Fire Rated Door, Add</i>	63.70	
			<i>For Commercial Grade 3/4 Hour Fire Rated Door, Add</i>	286.65	
			<i>For Commercial Grade 1 Hour Fire Rated Door, Add</i>	398.13	
			<i>For Commercial Grade 1-1/2 Hour Rated Fire Door, Add</i>	637.01	
			<i>For Each 1' Of Additional Door Height, Add</i>	127.40	
			<i>For >50 To 100, Deduct</i>	-34.34	
			<i>For >100, Deduct</i>	-50.21	
08 14 16 00-0148	EA		2'-8" x 7' x 1-3/4" Solid Core Plastic Laminated Door.....	634.83	52.00
			<i>For Machining for Mortise Lock, Add</i>	35.00	
			<i>For Commercial Grade 20 Minute Fire Rated Door, Add</i>	63.70	
			<i>For Commercial Grade 3/4 Hour Fire Rated Door, Add</i>	286.65	
			<i>For Commercial Grade 1 Hour Fire Rated Door, Add</i>	398.13	
			<i>For Commercial Grade 1-1/2 Hour Rated Fire Door, Add</i>	637.01	
			<i>For Each 1' Of Additional Door Height, Add</i>	127.40	
			<i>For >50 To 100, Deduct</i>	-34.34	
			<i>For >100, Deduct</i>	-50.21	
08 14 16 00-0149	EA		3'-0" x 7' x 1-3/4" Solid Core Plastic Laminated Door.....	703.11	54.26
			<i>For Machining for Mortise Lock, Add</i>	35.00	
			<i>For Commercial Grade 20 Minute Fire Rated Door, Add</i>	71.35	
			<i>For Commercial Grade 3/4 Hour Fire Rated Door, Add</i>	321.08	
			<i>For Commercial Grade 1 Hour Fire Rated Door, Add</i>	445.95	
			<i>For Commercial Grade 1-1/2 Hour Rated Fire Door, Add</i>	713.52	
			<i>For Each 1' Of Additional Door Height, Add</i>	142.70	
			<i>For >50 To 100, Deduct</i>	-37.87	
			<i>For >100, Deduct</i>	-55.45	
08 14 16 00-0150	EA		3'-4" x 7' x 1-3/4" Solid Core Plastic Laminated Door.....	735.67	54.26
			<i>For Machining for Mortise Lock, Add</i>	35.00	
			<i>For Commercial Grade 20 Minute Fire Rated Door, Add</i>	75.26	
			<i>For Commercial Grade 3/4 Hour Fire Rated Door, Add</i>	338.67	
			<i>For Commercial Grade 1 Hour Fire Rated Door, Add</i>	470.37	
			<i>For Commercial Grade 1-1/2 Hour Rated Fire Door, Add</i>	752.59	
			<i>For Each 1' Of Additional Door Height, Add</i>	150.52	
			<i>For >50 To 100, Deduct</i>	-39.50	
			<i>For >100, Deduct</i>	-57.89	
08 14 16 00-0151	EA		3'-6" x 7' x 1-3/4" Solid Core Plastic Laminated Door.....	756.48	56.51
			<i>For Machining for Mortise Lock, Add</i>	35.00	
			<i>For Commercial Grade 20 Minute Fire Rated Door, Add</i>	77.21	
			<i>For Commercial Grade 3/4 Hour Fire Rated Door, Add</i>	347.46	
			<i>For Commercial Grade 1 Hour Fire Rated Door, Add</i>	482.58	
			<i>For Commercial Grade 1-1/2 Hour Rated Fire Door, Add</i>	772.13	
			<i>For Each 1' Of Additional Door Height, Add</i>	154.43	
			<i>For >50 To 100, Deduct</i>	-40.65	
			<i>For >100, Deduct</i>	-59.56	
08 14 16 00-0152	PR		Pair 2' x 7' x 1-3/4" Solid Core Plastic Laminated Door.....	1,218.49	94.50
			<i>For Machining for Mortise Lock, Add</i>	35.00	
			<i>For Commercial Grade 20 Minute Fire Rated Door, Add</i>	123.54	
			<i>For Commercial Grade 3/4 Hour Fire Rated Door, Add</i>	555.93	
			<i>For Commercial Grade 1 Hour Fire Rated Door, Add</i>	772.13	
			<i>For Commercial Grade 1-1/2 Hour Rated Fire Door, Add</i>	1,235.40	
			<i>For Each 1' Of Additional Door Height, Add</i>	247.08	
			<i>For >50 To 100, Deduct</i>	-65.65	
			<i>For >100, Deduct</i>	-96.11	
08 14 16 00-0153	PR		Pair 2'-6" x 7' x 1-3/4" Solid Core Plastic Laminated Door.....	1,259.24	98.79
			<i>For Machining for Mortise Lock, Add</i>	35.00	
			<i>For Commercial Grade 20 Minute Fire Rated Door, Add</i>	127.40	
			<i>For Commercial Grade 3/4 Hour Fire Rated Door, Add</i>	573.30	
			<i>For Commercial Grade 1 Hour Fire Rated Door, Add</i>	796.25	
			<i>For Commercial Grade 1-1/2 Hour Rated Fire Door, Add</i>	1,273.99	
			<i>For Each 1' Of Additional Door Height, Add</i>	254.80	
			<i>For >50 To 100, Deduct</i>	-67.90	
			<i>For >100, Deduct</i>	-99.38	



Openings	08	08
Doors And Frames	08 10	
Wood Doors	08 14	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0154 PR Pair 3' x 7' x 1-3/4" Solid Core Plastic Laminated Door	1,395.36	103.09
For Machining for Mortise Lock, Add	35.00	
For Commercial Grade 20 Minute Fire Rated Door, Add	142.70	
For Commercial Grade 3/4 Hour Fire Rated Door, Add	642.16	
For Commercial Grade 1 Hour Fire Rated Door, Add	891.89	
For Commercial Grade 1-1/2 Hour Rated Fire Door, Add	1,427.03	
For Each 1' Of Additional Door Height, Add	285.41	
For >50 To 100, Deduct	-74.92	
For >100, Deduct	-109.81	
08 14 16 00-0155 Oak Or Maple Faced <small>(08 14 16 00-0124)</small>		
08 14 16 00-0156 EA 2'-0" Or 2'-4" x 7' x 1-3/4" Solid Core, Oak Or Maple Faced Door	384.62	49.73
For 7 Ply Core, Add	42.77	
For Solid Wood Staved Core (Glued Block), Add	71.29	
Note: Not used in conjunction with fire rating >20 minutes.		
For Exterior Grade Door, Add	76.26	
For Machining for Mortise Lock, Add	35.00	
For Commercial Grade 20 Minute Fire Rated Door, Add	34.22	
For Commercial Grade 3/4 Hour Fire Rated Door, Add	153.98	
For Commercial Grade 1 Hour Fire Rated Door, Add	213.86	
For Commercial Grade 1-1/2 Hour Rated Fire Door, Add	342.18	
For Each 1' Of Additional Door Height, Add	68.44	
For >50 To 100, Deduct	-21.72	
For >100, Deduct	-31.33	
08 14 16 00-0157 EA 2'-6" x 7' x 1-3/4" Solid Core, Oak Or Maple Faced Door	389.14	52.00
For 7 Ply Core, Add	42.77	
For Solid Wood Staved Core (Glued Block), Add	71.29	
Note: Not used in conjunction with fire rating >20 minutes.		
For Exterior Grade Door, Add	76.49	
For Machining for Mortise Lock, Add	35.00	
For Commercial Grade 20 Minute Fire Rated Door, Add	34.22	
For Commercial Grade 3/4 Hour Fire Rated Door, Add	153.98	
For Commercial Grade 1 Hour Fire Rated Door, Add	213.86	
For Commercial Grade 1-1/2 Hour Rated Fire Door, Add	342.18	
For Each 1' Of Additional Door Height, Add	68.44	
For >50 To 100, Deduct	-22.06	
For >100, Deduct	-31.79	
08 14 16 00-0158 EA 2'-8" x 7' x 1-3/4" Solid Core, Oak Or Maple Faced Door	392.06	52.00
For 7 Ply Core, Add	43.21	
For Solid Wood Staved Core (Glued Block), Add	72.02	
Note: Not used in conjunction with fire rating >20 minutes.		
For Exterior Grade Door, Add	77.22	
For Machining for Mortise Lock, Add	35.00	
For Commercial Grade 20 Minute Fire Rated Door, Add	34.57	
For Commercial Grade 3/4 Hour Fire Rated Door, Add	155.56	
For Commercial Grade 1 Hour Fire Rated Door, Add	216.05	
For Commercial Grade 1-1/2 Hour Rated Fire Door, Add	345.68	
For Each 1' Of Additional Door Height, Add	69.14	
For >50 To 100, Deduct	-22.20	
For >100, Deduct	-32.00	
08 14 16 00-0159 EA 3' x 7' x 1-3/4" Solid Core, Oak Or Maple Faced Door	399.25	54.26
For 7 Ply Core, Add	43.61	
For Solid Wood Staved Core (Glued Block), Add	72.69	
Note: Not used in conjunction with fire rating >20 minutes.		
For Exterior Grade Door, Add	78.11	
For Machining for Mortise Lock, Add	35.00	
For Commercial Grade 20 Minute Fire Rated Door, Add	34.89	
For Commercial Grade 3/4 Hour Fire Rated Door, Add	157.00	
For Commercial Grade 1 Hour Fire Rated Door, Add	218.06	
For Commercial Grade 1-1/2 Hour Rated Fire Door, Add	348.89	
For Each 1' Of Additional Door Height, Add	69.78	
For >50 To 100, Deduct	-22.68	
For >100, Deduct	-32.66	
08 14 16 00-0160 EA 3'-4" x 7' x 1-3/4" Solid Core, Oak Or Maple Faced Door	431.18	54.26
For 7 Ply Core, Add	48.40	
For Solid Wood Staved Core (Glued Block), Add	80.67	
Note: Not used in conjunction with fire rating >20 minutes.		
For Exterior Grade Door, Add	86.09	
For Machining for Mortise Lock, Add	35.00	
For Commercial Grade 20 Minute Fire Rated Door, Add	38.72	
For Commercial Grade 3/4 Hour Fire Rated Door, Add	174.24	
For Commercial Grade 1 Hour Fire Rated Door, Add	242.00	
For Commercial Grade 1-1/2 Hour Rated Fire Door, Add	387.20	
For Each 1' Of Additional Door Height, Add	77.44	
For >50 To 100, Deduct	-24.27	
For >100, Deduct	-35.05	

08 Openings**08 10 Doors And Frames****08 14 Wood Doors**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0161	EA		3'-6" x 7' x 1-3/4" Solid Core, Oak Or Maple Faced Door	517.94	56.51
			For 7 Ply Core, Add	60.74	
			For Solid Wood Staved Core (Glued Block), Add	101.23	
			Note: Not used in conjunction with fire rating >20 minutes.		
			For Exterior Grade Door, Add	106.88	
			For Machining for Mortise Lock, Add	35.00	
			For Commercial Grade 20 Minute Fire Rated Door, Add	48.59	
			For Commercial Grade 3/4 Hour Fire Rated Door, Add	218.65	
			For Commercial Grade 1 Hour Fire Rated Door, Add	303.68	
			For Commercial Grade 1-1/2 Hour Rated Fire Door, Add	485.88	
			For Each 1' Of Additional Door Height, Add	97.18	
			For >50 To 100, Deduct	-28.72	
			For >100, Deduct	-41.67	
08 14 16 00-0162	PR		Pair 2' x 7' x 1-3/4" Solid Core, Oak Or Maple Faced Door.....	735.60	94.50
			For 7 Ply Core, Add	81.99	
			For Solid Wood Staved Core (Glued Block), Add	136.65	
			Note: Not used in conjunction with fire rating >20 minutes.		
			For Exterior Grade Door, Add	146.10	
			For Machining for Mortise Lock, Add	35.00	
			For Commercial Grade 20 Minute Fire Rated Door, Add	65.59	
			For Commercial Grade 3/4 Hour Fire Rated Door, Add	295.17	
			For Commercial Grade 1 Hour Fire Rated Door, Add	409.96	
			For Commercial Grade 1-1/2 Hour Rated Fire Door, Add	655.93	
			For Each 1' Of Additional Door Height, Add	131.19	
			For >50 To 100, Deduct	-41.50	
			For >100, Deduct	-59.89	
08 14 16 00-0163	PR		Pair 2'-6" x 7' x 1-3/4" Solid Core, Oak Or Maple Faced Door	748.05	98.79
			For 7 Ply Core, Add	82.57	
			For Solid Wood Staved Core (Glued Block), Add	137.62	
			Note: Not used in conjunction with fire rating >20 minutes.		
			For Exterior Grade Door, Add	147.50	
			For Machining for Mortise Lock, Add	35.00	
			For Commercial Grade 20 Minute Fire Rated Door, Add	66.06	
			For Commercial Grade 3/4 Hour Fire Rated Door, Add	297.25	
			For Commercial Grade 1 Hour Fire Rated Door, Add	412.85	
			For Commercial Grade 1-1/2 Hour Rated Fire Door, Add	660.56	
			For Each 1' Of Additional Door Height, Add	132.11	
			For >50 To 100, Deduct	-42.34	
			For >100, Deduct	-61.04	
08 14 16 00-0164	PR		Pair 3' x 7' x 1-3/4" Solid Core, Oak Or Maple Faced Door.....	786.31	103.09
			For 7 Ply Core, Add	87.02	
			For Solid Wood Staved Core (Glued Block), Add	145.04	
			Note: Not used in conjunction with fire rating >20 minutes.		
			For Exterior Grade Door, Add	155.34	
			For Machining for Mortise Lock, Add	35.00	
			For Commercial Grade 20 Minute Fire Rated Door, Add	69.62	
			For Commercial Grade 3/4 Hour Fire Rated Door, Add	313.28	
			For Commercial Grade 1 Hour Fire Rated Door, Add	435.11	
			For Commercial Grade 1-1/2 Hour Rated Fire Door, Add	696.17	
			For Each 1' Of Additional Door Height, Add	139.23	
			For >50 To 100, Deduct	-44.47	
			For >100, Deduct	-64.13	
08 14 16 00-0165			Walnut Faced <small>(08 14 16 00-0124)</small>		
08 14 16 00-0166	EA		2'-0" Or 2'-4" x 7' x 1-3/4" Solid Core, Walnut Faced Door.....	536.97	49.73
			For 7 Ply Core, Add	65.63	
			For Solid Wood Staved Core (Glued Block), Add	153.13	
			Note: Not used in conjunction with fire rating >20 minutes.		
			For Exterior Grade Door, Add	114.35	
			For Machining for Mortise Lock, Add	35.00	
			For Commercial Grade 20 Minute Fire Rated Door, Add	52.50	
			For Commercial Grade 3/4 Hour Fire Rated Door, Add	236.25	
			For Commercial Grade 1 Hour Fire Rated Door, Add	328.13	
			For Commercial Grade 1-1/2 Hour Rated Fire Door, Add	525.00	
			For Each 1' Of Additional Door Height, Add	105.00	
			For >50 To 100, Deduct	-29.34	
			For >100, Deduct	-42.76	
08 14 16 00-0167	EA		2'-6" x 7' x 1-3/4" Solid Core, Walnut Faced Door.....	541.62	52.00
			For 7 Ply Core, Add	65.64	
			For Solid Wood Staved Core (Glued Block), Add	153.17	
			Note: Not used in conjunction with fire rating >20 minutes.		
			For Exterior Grade Door, Add	114.61	
			For Machining for Mortise Lock, Add	35.00	
			For Commercial Grade 20 Minute Fire Rated Door, Add	52.52	
			For Commercial Grade 3/4 Hour Fire Rated Door, Add	236.32	
			For Commercial Grade 1 Hour Fire Rated Door, Add	328.22	
			For Commercial Grade 1-1/2 Hour Rated Fire Door, Add	525.16	
			For Each 1' Of Additional Door Height, Add	105.03	
			For >50 To 100, Deduct	-29.68	
			For >100, Deduct	-43.22	



Openings	08	08
Doors And Frames	08 10	
Wood Doors	08 14	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0168 EA 2'-8" x 7' x 1-3/4" Solid Core, Walnut Faced Door	546.15	52.00
For 7 Ply Core, Add	66.32	
For Solid Wood Staved Core (Glued Block), Add	154.76	
Note: Not used in conjunction with fire rating >20 minutes.		
For Exterior Grade Door, Add	115.74	
For Machining for Mortise Lock, Add	35.00	
For Commercial Grade 20 Minute Fire Rated Door, Add	53.06	
For Commercial Grade 3/4 Hour Fire Rated Door, Add	238.77	
For Commercial Grade 1 Hour Fire Rated Door, Add	331.62	
For Commercial Grade 1-1/2 Hour Rated Fire Door, Add	530.59	
For Each 1' Of Additional Door Height, Add	106.12	
For >50 To 100, Deduct	-29.91	
For >100, Deduct	-43.56	
08 14 16 00-0169 EA 3' x 7' x 1-3/4" Solid Core, Walnut Faced Door	574.22	54.26
For 7 Ply Core, Add	69.86	
For Solid Wood Staved Core (Glued Block), Add	163.00	
Note: Not used in conjunction with fire rating >20 minutes.		
For Exterior Grade Door, Add	121.85	
For Machining for Mortise Lock, Add	35.00	
For Commercial Grade 20 Minute Fire Rated Door, Add	55.89	
For Commercial Grade 3/4 Hour Fire Rated Door, Add	251.48	
For Commercial Grade 1 Hour Fire Rated Door, Add	349.28	
For Commercial Grade 1-1/2 Hour Rated Fire Door, Add	558.85	
For Each 1' Of Additional Door Height, Add	111.77	
For >50 To 100, Deduct	-31.42	
For >100, Deduct	-45.78	
08 14 16 00-0170 EA 3'-4" x 7' x 1-3/4" Solid Core, Walnut Faced Door	604.82	54.26
For 7 Ply Core, Add	74.45	
For Solid Wood Staved Core (Glued Block), Add	173.71	
Note: Not used in conjunction with fire rating >20 minutes.		
For Exterior Grade Door, Add	129.50	
For Machining for Mortise Lock, Add	35.00	
For Commercial Grade 20 Minute Fire Rated Door, Add	59.56	
For Commercial Grade 3/4 Hour Fire Rated Door, Add	268.01	
For Commercial Grade 1 Hour Fire Rated Door, Add	372.23	
For Commercial Grade 1-1/2 Hour Rated Fire Door, Add	595.57	
For Each 1' Of Additional Door Height, Add	119.11	
For >50 To 100, Deduct	-32.95	
For >100, Deduct	-48.07	
08 14 16 00-0171 EA 3'-6" x 7' x 1-3/4" Solid Core, Walnut Faced Door	738.42	56.51
For 7 Ply Core, Add	93.81	
For Solid Wood Staved Core (Glued Block), Add	218.88	
Note: Not used in conjunction with fire rating >20 minutes.		
For Exterior Grade Door, Add	162.00	
For Machining for Mortise Lock, Add	35.00	
For Commercial Grade 20 Minute Fire Rated Door, Add	75.05	
For Commercial Grade 3/4 Hour Fire Rated Door, Add	337.71	
For Commercial Grade 1 Hour Fire Rated Door, Add	469.04	
For Commercial Grade 1-1/2 Hour Rated Fire Door, Add	750.46	
For Each 1' Of Additional Door Height, Add	150.09	
For >50 To 100, Deduct	-39.75	
For >100, Deduct	-58.21	
08 14 16 00-0172 PR Pair 2' x 7' x 1-3/4" Solid Core, Walnut Faced Door	1,027.80	94.50
For 7 Ply Core, Add	125.82	
For Solid Wood Staved Core (Glued Block), Add	293.58	
Note: Not used in conjunction with fire rating >20 minutes.		
For Exterior Grade Door, Add	219.15	
For Machining for Mortise Lock, Add	35.00	
For Commercial Grade 20 Minute Fire Rated Door, Add	100.66	
For Commercial Grade 3/4 Hour Fire Rated Door, Add	452.96	
For Commercial Grade 1 Hour Fire Rated Door, Add	629.11	
For Commercial Grade 1-1/2 Hour Rated Fire Door, Add	1,006.57	
For Each 1' Of Additional Door Height, Add	201.31	
For >50 To 100, Deduct	-56.11	
For >100, Deduct	-81.81	
08 14 16 00-0173 PR Pair 2'-6" x 7' x 1-3/4" Solid Core, Walnut Faced Door	1,042.24	98.79
For 7 Ply Core, Add	126.70	
For Solid Wood Staved Core (Glued Block), Add	295.63	
Note: Not used in conjunction with fire rating >20 minutes.		
For Exterior Grade Door, Add	221.04	
For Machining for Mortise Lock, Add	35.00	
For Commercial Grade 20 Minute Fire Rated Door, Add	101.36	
For Commercial Grade 3/4 Hour Fire Rated Door, Add	456.12	
For Commercial Grade 1 Hour Fire Rated Door, Add	633.50	
For Commercial Grade 1-1/2 Hour Rated Fire Door, Add	1,013.59	
For Each 1' Of Additional Door Height, Add	202.72	
For >50 To 100, Deduct	-57.05	
For >100, Deduct	-83.11	

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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0174 PR Pair 3' x 7' x 1-3/4" Solid Core, Walnut Faced Door.....	1,124.28	103.09
For 7 Ply Core, Add	137.72	
For Solid Wood Staved Core (Glued Block), Add	321.34	
Note: Not used in conjunction with fire rating >20 minutes.		
For Exterior Grade Door, Add	239.84	
For Machining for Mortise Lock, Add	35.00	
For Commercial Grade 20 Minute Fire Rated Door, Add	110.17	
For Commercial Grade 3/4 Hour Fire Rated Door, Add	495.78	
For Commercial Grade 1 Hour Fire Rated Door, Add	688.58	
For Commercial Grade 1-1/2 Hour Rated Fire Door, Add	1,101.73	
For Each 1' Of Additional Door Height, Add	220.35	
For >50 To 100, Deduct	-61.37	
For >100, Deduct	-89.48	
08 14 16 00-0175 Manufacturer Prefinished Options For Flush Wood Doors (08 14 16)		
08 14 16 00-0176 EA Clear Or Colored Catalyzed Polyurethane Factory Finish For Flush Wood Door	37.07	
Note: Includes any standard manufacturer color on six sides.		
For Custom Color To Match Non Standard Manufacturer Finish, Add	12.34	
08 14 23 Clad Wood Doors (08 14)		
08 14 23 13 Metal-Faced Wood Doors (08 14 23)		
See CSI section 08 70 00 00-0000 for finish hardware.		
08 14 23 13-0001 24 Gauge Metal Clad Door, 1-3/4" Thick, Solid Staved Wood Core (08 14 23 13)		
08 14 23 13-0002 EA 2' 6" x 7' Metal Clad Door, Solid Staved Wood Core, Flush Type.....	600.95	111.22
08 14 23 13-0003 EA 2' 8" x 7' Metal Clad Door, Solid Staved Wood Core, Flush Type.....	641.91	122.08
08 14 23 13-0004 EA 2' 10" x 7' Metal Clad Door, Solid Staved Wood Core, Flush Type.....	689.32	134.73
08 14 23 13-0005 EA 3' x 7' Metal Clad Door, Solid Staved Wood Core, Flush Type.....	720.38	139.26
08 14 23 13-0006 EA 3' 4" x 7' Metal Clad Door, Solid Staved Wood Core, Flush Type.....	770.39	153.27
08 14 23 13-0007 EA 3' 8" x 7' Metal Clad Door, Solid Staved Wood Core, Flush Type.....	835.42	158.25
08 14 66 Wood Screen Doors (08 14)		
08 14 66 00-0001 Wood Screen Storm Door, Residential Grade (08 14 66)		
Note: Includes frame, trim, necessary anchors and usual hardware (closures, chain and spring, latching, screens, etc.).		
08 14 66 00-0002 EA 2'-8" x 6'-8" Wood Screen Door, Residential, With Frame, Trim, Hardware.....	443.78	130.22
08 14 66 00-0003 EA 3' x 6'-8" Wood Screen Door, Residential, With Frame, Trim, Hardware	463.88	144.68
08 14 66 00-0004 EA 2'-8" x 7" Wood Screen Door, Residential, With Frame, Trim, Hardware.....	443.78	130.22
08 14 66 00-0005 EA 3' x 7" Wood Screen Door, Residential, With Frame, Trim, Hardware.....	463.88	144.68
08 14 73 Sliding Wood Doors (08 14)		
08 14 73 00-0001 Pocket Door (08 14 73)		
Note: Includes door, frame and trim, and all mounting and door hardware. See CSI section 08 14 73 00-0054 for accessories to be added.		
08 14 73 00-0002 1-3/8" Thick (08 14 73 00-0001)		
See CSI section 08 14 73 00-0054 for all jambs and track hardware.		
08 14 73 00-0003 6'-8" High (08 14 73 00-0002)		
08 14 73 00-0004 EA 2' x 6'-8" x 1-3/8" High Wood Pocket Door, Hollow Core, Birch Faced	502.39	31.65
For Oak, Add	121.19	
For Ash/Hickory, Add	176.52	
For Walnut, Add	257.31	
For Cherry, Add	418.46	
08 14 73 00-0005 EA 2'-4" x 6'-8" x 1-3/8" High Wood Pocket Door, Hollow Core, Birch Faced.....	517.55	33.91
For Oak, Add	124.13	
For Ash/Hickory, Add	180.80	
For Walnut, Add	263.55	
For Cherry, Add	428.60	
08 14 73 00-0006 EA 2'-6" x 6'-8" x 1-3/8" High Wood Pocket Door, Hollow Core, Birch Faced.....	535.37	36.17
For Oak, Add	127.80	
For Ash/Hickory, Add	186.15	
For Walnut, Add	271.35	
For Cherry, Add	441.29	
08 14 73 00-0007 EA 2'-8" x 6'-8" x 1-3/8" High Wood Pocket Door, Hollow Core, Birch Faced.....	547.87	38.44
For Oak, Add	130.00	
For Ash/Hickory, Add	189.35	
For Walnut, Add	276.02	
For Cherry, Add	448.89	
08 14 73 00-0008 EA 2'-10" x 6'-8" x 1-3/8" High Wood Pocket Door, Hollow Core, Birch Faced.....	565.72	40.69
For Oak, Add	133.68	
For Ash/Hickory, Add	194.70	
For Walnut, Add	283.82	
For Cherry, Add	461.58	
08 14 73 00-0009 EA 3' x 6'-8" x 1-3/8" High Wood Pocket Door, Hollow Core, Birch Faced	580.88	42.95
For Oak, Add	136.61	
For Ash/Hickory, Add	198.98	
For Walnut, Add	290.06	
For Cherry, Add	471.72	



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MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 73 00-0010	EA		Pair 2' x 6'-8" x 1-3/8" High Wood Pocket Door, Hollow Core, Birch Faced.....	991.24	56.51
			<i>For Oak, Add</i>	242.38	
			<i>For Ash/Hickory, Add</i>	353.04	
			<i>For Walnut, Add</i>	514.63	
			<i>For Cherry, Add</i>	836.92	
08 14 73 00-0011	EA		Pair 2'-6" x 6'-8" x 1-3/8" High Wood Pocket Door, Hollow Core, Birch Faced	1,048.17	61.04
			<i>For Oak, Add</i>	255.60	
			<i>For Ash/Hickory, Add</i>	372.29	
			<i>For Walnut, Add</i>	542.69	
			<i>For Cherry, Add</i>	882.57	
08 14 73 00-0012	EA		Pair 3' x 6'-8" x 1-3/8" High Wood Pocket Door, Hollow Core, Birch Faced.....	1,121.10	65.56
			<i>For Oak, Add</i>	273.23	
			<i>For Ash/Hickory, Add</i>	397.97	
			<i>For Walnut, Add</i>	580.12	
			<i>For Cherry, Add</i>	943.44	
08 14 73 00-0013			7' High <small>(08 14 73 00-0002)</small>		
08 14 73 00-0014	EA		2' x 7' x 1-3/8" High Wood Pocket Door, Hollow Core, Birch Faced.....	595.53	31.65
			<i>For Oak, Add</i>	124.54	
			<i>For Ash/Hickory, Add</i>	124.54	
			<i>For Walnut, Add</i>	204.91	
			<i>For Cherry, Add</i>	384.81	
08 14 73 00-0015	EA		2'-4" x 7' x 1-3/8" High Wood Pocket Door, Hollow Core, Birch Faced	624.00	33.91
			<i>For Oak, Add</i>	130.15	
			<i>For Ash/Hickory, Add</i>	130.15	
			<i>For Walnut, Add</i>	214.13	
			<i>For Cherry, Add</i>	402.13	
08 14 73 00-0016	EA		2'-6" x 7' x 1-3/8" High Wood Pocket Door, Hollow Core, Birch Faced	644.48	36.17
			<i>For Oak, Add</i>	133.89	
			<i>For Ash/Hickory, Add</i>	133.89	
			<i>For Walnut, Add</i>	220.28	
			<i>For Cherry, Add</i>	413.67	
08 14 73 00-0017	EA		2'-8" x 7' x 1-3/8" High Wood Pocket Door, Hollow Core, Birch Faced.....	662.30	38.44
			<i>For Oak, Add</i>	137.00	
			<i>For Ash/Hickory, Add</i>	137.00	
			<i>For Walnut, Add</i>	225.40	
			<i>For Cherry, Add</i>	423.29	
08 14 73 00-0018	EA		2'-10" x 7' x 1-3/8" High Wood Pocket Door, Hollow Core, Birch Faced.....	677.49	40.69
			<i>For Oak, Add</i>	139.49	
			<i>For Ash/Hickory, Add</i>	139.49	
			<i>For Walnut, Add</i>	229.50	
			<i>For Cherry, Add</i>	430.99	
08 14 73 00-0019	EA		3' x 7' x 1-3/8" High Wood Pocket Door, Hollow Core, Birch Faced.....	697.98	42.95
			<i>For Oak, Add</i>	143.23	
			<i>For Ash/Hickory, Add</i>	143.23	
			<i>For Walnut, Add</i>	235.65	
			<i>For Cherry, Add</i>	442.53	
08 14 73 00-0020	EA		Pair 2' x 7' x 1-3/8" High Wood Pocket Door, Hollow Core, Birch Faced	1,177.52	56.51
			<i>For Oak, Add</i>	249.09	
			<i>For Ash/Hickory, Add</i>	249.09	
			<i>For Walnut, Add</i>	409.82	
			<i>For Cherry, Add</i>	769.62	
08 14 73 00-0021	EA		Pair 2'-6" x 7' x 1-3/8" High Wood Pocket Door, Hollow Core, Birch Faced.....	1,266.39	61.04
			<i>For Oak, Add</i>	267.77	
			<i>For Ash/Hickory, Add</i>	267.77	
			<i>For Walnut, Add</i>	440.56	
			<i>For Cherry, Add</i>	827.34	
08 14 73 00-0022	EA		Pair 3' x 7' x 1-3/8" High Wood Pocket Door, Hollow Core, Birch Faced	1,355.28	65.56
			<i>For Oak, Add</i>	286.45	
			<i>For Ash/Hickory, Add</i>	286.45	
			<i>For Walnut, Add</i>	471.30	
			<i>For Cherry, Add</i>	885.06	
08 14 73 00-0023			1-3/4" Thick <small>(08 14 73 00-0001)</small>		
			See CSI section 08 14 73 00-0054 for all jambs and track hardware.		
08 14 73 00-0024			6'-8" High <small>(08 14 73 00-0023)</small>		
08 14 73 00-0025	EA		2' x 6'-8" x 1-3/4" High Wood Pocket Door, Hollow Core, Birch Faced	755.20	31.65
			<i>For Oak, Add</i>	161.91	
			<i>For Ash/Hickory, Add</i>	161.91	
			<i>For Walnut, Add</i>	266.39	
			<i>For Cherry, Add</i>	500.25	
08 14 73 00-0026	EA		2'-4" x 6'-8" x 1-3/4" High Wood Pocket Door, Hollow Core, Birch Faced.....	791.66	33.91
			<i>For Oak, Add</i>	169.38	
			<i>For Ash/Hickory, Add</i>	169.38	
			<i>For Walnut, Add</i>	278.68	
			<i>For Cherry, Add</i>	523.34	
08 14 73 00-0027	EA		2'-6" x 6'-8" x 1-3/4" High Wood Pocket Door, Hollow Core, Birch Faced.....	812.13	36.17
			<i>For Oak, Add</i>	173.12	
			<i>For Ash/Hickory, Add</i>	173.12	
			<i>For Walnut, Add</i>	284.83	
			<i>For Cherry, Add</i>	534.88	

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MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 73 00-0028	EA		2'-8" x 6'-8" x 1-3/4" High Wood Pocket Door, Hollow Core, Birch Faced.....	835.28	38.44
			<i>For Oak, Add</i>	177.47	
			<i>For Ash/Hickory, Add</i>	177.47	
			<i>For Walnut, Add</i>	292.00	
			<i>For Cherry, Add</i>	548.35	
08 14 73 00-0029	EA		2'-10" x 6'-8" x 1-3/4" High Wood Pocket Door, Hollow Core, Birch Faced.....	855.79	40.69
			<i>For Oak, Add</i>	181.21	
			<i>For Ash/Hickory, Add</i>	181.21	
			<i>For Walnut, Add</i>	298.15	
			<i>For Cherry, Add</i>	559.90	
08 14 73 00-0030	EA		3' x 6'-8" x 1-3/4" High Wood Pocket Door, Hollow Core, Birch Faced	876.28	42.95
			<i>For Oak, Add</i>	184.95	
			<i>For Ash/Hickory, Add</i>	184.95	
			<i>For Walnut, Add</i>	304.30	
			<i>For Cherry, Add</i>	571.44	
08 14 73 00-0031	EA		Pair 2' x 6'-8" x 1-3/4" High Wood Pocket Door, Hollow Core, Birch Faced.....	1,496.86	56.51
			<i>For Oak, Add</i>	323.81	
			<i>For Ash/Hickory, Add</i>	323.81	
			<i>For Walnut, Add</i>	532.77	
			<i>For Cherry, Add</i>	1,000.50	
08 14 73 00-0032	EA		Pair 2'-6" x 6'-8" x 1-3/4" High Wood Pocket Door, Hollow Core, Birch Faced	1,601.70	61.04
			<i>For Oak, Add</i>	346.23	
			<i>For Ash/Hickory, Add</i>	346.23	
			<i>For Walnut, Add</i>	569.66	
			<i>For Cherry, Add</i>	1,069.77	
08 14 73 00-0033	EA		Pair 3' x 6'-8" x 1-3/4" High Wood Pocket Door, Hollow Core, Birch Faced	1,711.88	65.56
			<i>For Oak, Add</i>	369.90	
			<i>For Ash/Hickory, Add</i>	369.90	
			<i>For Walnut, Add</i>	608.59	
			<i>For Cherry, Add</i>	1,142.88	
08 14 73 00-0034			7' High (08 14 73 00-0023)		
08 14 73 00-0035	EA		2' x 7' x 1-3/4" High Wood Pocket Door, Hollow Core, Birch Faced.....	808.43	31.65
			<i>For Oak, Add</i>	174.36	
			<i>For Ash/Hickory, Add</i>	174.36	
			<i>For Walnut, Add</i>	286.88	
			<i>For Cherry, Add</i>	538.74	
08 14 73 00-0036	EA		2'-4" x 7' x 1-3/4" High Wood Pocket Door, Hollow Core, Birch Faced	850.20	33.91
			<i>For Oak, Add</i>	183.08	
			<i>For Ash/Hickory, Add</i>	183.08	
			<i>For Walnut, Add</i>	301.22	
			<i>For Cherry, Add</i>	565.67	
08 14 73 00-0037	EA		2'-6" x 7' x 1-3/4" High Wood Pocket Door, Hollow Core, Birch Faced	873.34	36.17
			<i>For Oak, Add</i>	187.44	
			<i>For Ash/Hickory, Add</i>	187.44	
			<i>For Walnut, Add</i>	308.39	
			<i>For Cherry, Add</i>	579.14	
08 14 73 00-0038	EA		2'-8" x 7' x 1-3/4" High Wood Pocket Door, Hollow Core, Birch Faced	896.49	38.44
			<i>For Oak, Add</i>	191.80	
			<i>For Ash/Hickory, Add</i>	191.80	
			<i>For Walnut, Add</i>	315.57	
			<i>For Cherry, Add</i>	592.61	
08 14 73 00-0039	EA		2'-10" x 7' x 1-3/4" High Wood Pocket Door, Hollow Core, Birch Faced	917.00	40.69
			<i>For Oak, Add</i>	195.54	
			<i>For Ash/Hickory, Add</i>	195.54	
			<i>For Walnut, Add</i>	321.71	
			<i>For Cherry, Add</i>	604.15	
08 14 73 00-0040	EA		3' x 7' x 1-3/4" High Wood Pocket Door, Hollow Core, Birch Faced.....	940.15	42.95
			<i>For Oak, Add</i>	199.89	
			<i>For Ash/Hickory, Add</i>	199.89	
			<i>For Walnut, Add</i>	328.89	
			<i>For Cherry, Add</i>	617.62	
08 14 73 00-0041	EA		Pair 2' x 7' x 1-3/4" High Wood Pocket Door, Hollow Core, Birch Faced	1,603.31	56.51
			<i>For Oak, Add</i>	348.72	
			<i>For Ash/Hickory, Add</i>	348.72	
			<i>For Walnut, Add</i>	573.75	
			<i>For Cherry, Add</i>	1,077.47	
08 14 73 00-0042	EA		Pair 2'-6" x 7' x 1-3/4" High Wood Pocket Door, Hollow Core, Birch Faced.....	1,724.11	61.04
			<i>For Oak, Add</i>	374.88	
			<i>For Ash/Hickory, Add</i>	374.88	
			<i>For Walnut, Add</i>	616.79	
			<i>For Cherry, Add</i>	1,158.27	
08 14 73 00-0043	EA		Pair 3' x 7' x 1-3/4" High Wood Pocket Door, Hollow Core, Birch Faced	1,839.62	65.56
			<i>For Oak, Add</i>	399.79	
			<i>For Ash/Hickory, Add</i>	399.79	
			<i>For Walnut, Add</i>	657.77	
			<i>For Cherry, Add</i>	1,235.24	
08 14 73 00-0044			8' High (08 14 73 00-0023)		
08 14 73 00-0045	EA		2' x 8' x 1-3/4" High Wood Pocket Door, Hollow Core, Birch Faced.....	861.65	31.65
			<i>For Oak, Add</i>	186.82	
			<i>For Ash/Hickory, Add</i>	186.82	
			<i>For Walnut, Add</i>	307.37	
			<i>For Cherry, Add</i>	577.21	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	08 14 73 00-0046	EA		2'-4" x 8' x 1-3/4" High Wood Pocket Door, Hollow Core, Birch Faced	903.43	33.91
				<i>For Oak, Add</i>	195.54	
				<i>For Ash/Hickory, Add</i>	195.54	
				<i>For Walnut, Add</i>	321.71	
				<i>For Cherry, Add</i>	604.15	
	08 14 73 00-0047	EA		2'-6" x 8' x 1-3/4" High Wood Pocket Door, Hollow Core, Birch Faced	929.23	36.17
				<i>For Oak, Add</i>	200.52	
				<i>For Ash/Hickory, Add</i>	200.52	
				<i>For Walnut, Add</i>	329.91	
				<i>For Cherry, Add</i>	619.55	
	08 14 73 00-0048	EA		2'-8" x 8' x 1-3/4" High Wood Pocket Door, Hollow Core, Birch Faced	955.04	38.44
				<i>For Oak, Add</i>	205.50	
				<i>For Ash/Hickory, Add</i>	205.50	
				<i>For Walnut, Add</i>	338.11	
				<i>For Cherry, Add</i>	634.94	
	08 14 73 00-0049	EA		2'-10" x 8' x 1-3/4" High Wood Pocket Door, Hollow Core, Birch Faced	975.54	40.69
				<i>For Oak, Add</i>	209.23	
				<i>For Ash/Hickory, Add</i>	209.23	
				<i>For Walnut, Add</i>	344.25	
				<i>For Cherry, Add</i>	646.48	
	08 14 73 00-0050	EA		3' x 8' x 1-3/4" High Wood Pocket Door, Hollow Core, Birch Faced.....	1,001.35	42.95
				<i>For Oak, Add</i>	214.22	
				<i>For Ash/Hickory, Add</i>	214.22	
				<i>For Walnut, Add</i>	352.45	
				<i>For Cherry, Add</i>	661.87	
	08 14 73 00-0051	EA		Pair 2' x 8' x 1-3/4" High Wood Pocket Door, Hollow Core, Birch Faced	1,709.76	56.51
				<i>For Oak, Add</i>	373.63	
				<i>For Ash/Hickory, Add</i>	373.63	
				<i>For Walnut, Add</i>	614.74	
				<i>For Cherry, Add</i>	1,154.43	
	08 14 73 00-0052	EA		Pair 2'-6" x 8' x 1-3/4" High Wood Pocket Door, Hollow Core, Birch Faced.....	1,835.88	61.04
				<i>For Oak, Add</i>	401.03	
				<i>For Ash/Hickory, Add</i>	401.03	
				<i>For Walnut, Add</i>	659.82	
				<i>For Cherry, Add</i>	1,239.08	
	08 14 73 00-0053	EA		Pair 3' x 8' x 1-3/4" High Wood Pocket Door, Hollow Core, Birch Faced	1,962.04	65.56
				<i>For Oak, Add</i>	428.43	
				<i>For Ash/Hickory, Add</i>	428.43	
				<i>For Walnut, Add</i>	704.90	
				<i>For Cherry, Add</i>	1,323.75	
	08 14 73 00-0054			Accessories (08 14 73 00-0001)		
	08 14 73 00-0055			Jamb Replacement (08 14 73 00-0054)		
	08 14 73 00-0056	EA		4-9/16 Or 4-3/4" Jamb, Birch	116.28	
				<i>For Oak, Add</i>	8.03	
				<i>For Ash/Hickory, Add</i>	12.58	
				<i>For Walnut, Add</i>	27.50	
				<i>For Cherry, Add</i>	43.56	
	08 14 73 00-0057	EA		5-1/4" Jamb, Birch	118.57	
				<i>For Oak, Add</i>	8.29	
				<i>For Ash/Hickory, Add</i>	12.98	
				<i>For Walnut, Add</i>	28.39	
				<i>For Cherry, Add</i>	44.96	
	08 14 73 00-0058	EA		6-9/16" Or 6-3/4" Jamb, Birch	133.47	
				<i>For Oak, Add</i>	9.97	
				<i>For Ash/Hickory, Add</i>	15.62	
				<i>For Walnut, Add</i>	34.15	
				<i>For Cherry, Add</i>	54.10	
	08 14 73 00-0059			Track And Hardware Replacement Kits (08 14 73 00-0054)		
				Note: For double doors, use 2 appropriate sized hardware and 1 converging kit.		
	08 14 73 00-0060	EA		Up To 2'-6" x 6'-8" Door Track And Hardware	231.33	
	08 14 73 00-0061	EA		2'-8" x 6'-8" Door Track And Hardware	233.38	
	08 14 73 00-0062	EA		3' x 6'-8" Door Track And Hardware.....	237.46	
	08 14 73 00-0063	EA		Up To 2'-6" x 7' Door Track And Hardware	276.30	
	08 14 73 00-0064	EA		2'-8" x 7' Door Track And Hardware.....	278.34	
	08 14 73 00-0065	EA		3' x 7' Door Track And Hardware	282.43	
	08 14 73 00-0066	EA		Up To 2'-6" x 8' Door Track And Hardware	296.74	
	08 14 73 00-0067	EA		2'-8" x 8' Door Track And Hardware.....	298.78	
	08 14 73 00-0068	EA		3' x 8' Door Track And Hardware	302.87	
	08 14 73 00-0069	EA		Double Door Converging Kit.....	34.00	
	08 14 73 00-0070			Lauan Faced Hollow Core Flush Bi-Pass Doors (08 14 73)		
	08 14 73 00-0071	EA		4'-0", Two 1-3/8" Unfinished Doors, Lauan Faced, Hollow Core, Flush Bi-Pass.....	262.23	72.32
	08 14 73 00-0072	EA		5'-0", Two 1-3/8" Unfinished Doors, Lauan Faced, Hollow Core, Flush Bi-Pass.....	279.28	76.84
	08 14 73 00-0073	EA		6'-0", Two 1-3/8" Unfinished Doors, Lauan Faced, Hollow Core, Flush Bi-Pass.....	302.80	81.36
	08 14 73 00-0074	EA		8'-0", Four 1-3/8" Unfinished Doors, Lauan Faced, Hollow Core, Flush Bi-Pass.....	404.32	85.88
	08 14 73 00-0075			Birch Faced Hollow Core Flush Bi-Pass Doors (08 14 73)		

08 Openings
08 10 Doors And Frames
08 14 Wood Doors



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 73 00-0076	EA		4'-0", Two 1-3/8" Unfinished Doors, Birch Faced, Hollow Core, Flush Bi-Pass.....	277.63	72.32
08 14 73 00-0077	EA		5'-0", Two 1-3/8" Unfinished Doors, Birch Faced, Hollow Core, Flush Bi-Pass.....	303.30	76.84
08 14 73 00-0078	EA		6'-0", Two 1-3/8" Unfinished Doors, Birch Faced, Hollow Core, Flush Bi-Pass.....	329.24	81.36
08 14 73 00-0079	EA		8'-0", Four 1-3/8" Unfinished Doors, Birch Faced, Hollow Core, Flush Bi-Pass.....	435.13	85.88
08 14 73 00-0080			Molded High Density Fiberboard Hollow Core Paneled Bi-Pass Doors (08 14 73)		
08 14 73 00-0081	EA		4'-0", Two 1-3/8" Primed Doors, Molded High Density Fiberboard, Hollow Core, Paneled Bi-Pass.....	278.07	72.32
08 14 73 00-0082	EA		5'-0", Two 1-3/8" Primed Doors, Molded High Density Fiberboard, Hollow Core, Paneled Bi-Pass.....	302.23	76.84
08 14 73 00-0083	EA		6'-0", Two 1-3/8" Primed Doors, Molded High Density Fiberboard, Hollow Core, Paneled Bi-Pass.....	327.46	81.36
08 14 73 00-0084	EA		8'-0", Four 1-3/8" Primed Doors, Molded High Density Fiberboard, Hollow Core, Paneled Bi-Pass.....	436.00	85.88
08 14 76			Bifolding Wood Doors (08 14)		
08 14 76 00-0001			Bi-Fold Wood Doors (08 14 76) Note: Includes doors, track, top and bottom pivots, door guide, track stop, panel hinge, bottom pivot bracket, top pivot lock, and 4-door aligner (when necessary). Excludes door frame and knobs.		
08 14 76 00-0002			Lauan Faced Hollow Core Flush Bi-Fold Doors (08 14 76 00-0001)		
08 14 76 00-0003	EA		2'-0", Two 1-3/8" Unfinished Doors, Lauan Faced, Hollow Core, Flush Bi-Fold.....	146.18	54.24
08 14 76 00-0004	EA		2'-6", Two 1-3/8" Unfinished Doors, Lauan Faced, Hollow Core, Flush Bi-Fold.....	155.22	58.76
08 14 76 00-0005	EA		2'-8", Two 1-3/8" Unfinished Doors, Lauan Faced, Hollow Core, Flush Bi-Fold.....	166.78	63.28
08 14 76 00-0006	EA		3'-0", Two 1-3/8" Unfinished Doors, Lauan Faced, Hollow Core, Flush Bi-Fold.....	175.82	67.80
08 14 76 00-0007	EA		4'-0", Four 1-3/8" Unfinished Doors, Lauan Faced, Hollow Core, Flush Bi-Fold.....	217.01	72.32
08 14 76 00-0008	EA		5'-0", Four 1-3/8" Unfinished Doors, Lauan Faced, Hollow Core, Flush Bi-Fold.....	226.05	76.84
08 14 76 00-0009	EA		6'-0", Four 1-3/8" Unfinished Doors, Lauan Faced, Hollow Core, Flush Bi-Fold.....	240.42	81.36
08 14 76 00-0010			Birch Faced Hollow Core Flush Bi-Fold Doors (08 14 76 00-0001)		
08 14 76 00-0011	EA		2'-0", Two 1-3/8" Unfinished Doors, Birch Faced, Hollow Core, Flush Bi-Fold.....	152.33	54.24
08 14 76 00-0012	EA		2'-6", Two 1-3/8" Unfinished Doors, Birch Faced, Hollow Core, Flush Bi-Fold.....	163.39	58.76
08 14 76 00-0013	EA		2'-8", Two 1-3/8" Unfinished Doors, Birch Faced, Hollow Core, Flush Bi-Fold.....	176.30	63.28
08 14 76 00-0014	EA		3'-0", Two 1-3/8" Unfinished Doors, Birch Faced, Hollow Core, Flush Bi-Fold.....	185.34	67.80
08 14 76 00-0015	EA		4'-0", Four 1-3/8" Unfinished Doors, Birch Faced, Hollow Core, Flush Bi-Fold.....	230.18	72.32
08 14 76 00-0016	EA		5'-0", Four 1-3/8" Unfinished Doors, Birch Faced, Hollow Core, Flush Bi-Fold.....	246.58	76.84
08 14 76 00-0017	EA		6'-0", Four 1-3/8" Unfinished Doors, Birch Faced, Hollow Core, Flush Bi-Fold.....	263.76	81.36
08 14 76 00-0018			Oak Faced Hollow Core Flush Bi-Fold Doors (08 14 76 00-0001)		
08 14 76 00-0019	EA		2'-0", Two 1-3/8" Unfinished Doors, Oak Faced, Hollow Core, Flush Bi-Fold.....	152.62	54.24
08 14 76 00-0020	EA		2'-6", Two 1-3/8" Unfinished Doors, Oak Faced, Hollow Core, Flush Bi-Fold.....	167.33	58.76
08 14 76 00-0021	EA		2'-8", Two 1-3/8" Unfinished Doors, Oak Faced, Hollow Core, Flush Bi-Fold.....	179.94	63.28
08 14 76 00-0022	EA		3'-0", Two 1-3/8" Unfinished Doors, Oak Faced, Hollow Core, Flush Bi-Fold.....	188.98	67.80
08 14 76 00-0023	EA		4'-0", Four 1-3/8" Unfinished Doors, Oak Faced, Hollow Core, Flush Bi-Fold.....	233.36	72.32
08 14 76 00-0024	EA		5'-0", Four 1-3/8" Unfinished Doors, Oak Faced, Hollow Core, Flush Bi-Fold.....	243.68	76.84
08 14 76 00-0025	EA		6'-0", Four 1-3/8" Unfinished Doors, Oak Faced, Hollow Core, Flush Bi-Fold.....	263.76	81.36
08 14 76 00-0026			Pine Raised Panel Bi-Fold Doors (08 14 76 00-0001)		
08 14 76 00-0027	EA		2'-0", Two 1-3/8" Unfinished Doors, Pine Veneer, Raised Panel Bi-Fold.....	335.51	54.24
08 14 76 00-0028	EA		2'-6", Two 1-3/8" Unfinished Doors, Pine Veneer, Raised Panel Bi-Fold.....	381.24	58.76
08 14 76 00-0029	EA		2'-8", Two 1-3/8" Unfinished Doors, Pine Veneer, Raised Panel Bi-Fold.....	432.91	63.28
08 14 76 00-0030	EA		3'-0", Two 1-3/8" Unfinished Doors, Pine Veneer, Raised Panel Bi-Fold.....	441.95	67.80
08 14 76 00-0031	EA		4'-0", Four 1-3/8" Unfinished Doors, Pine Veneer, Raised Panel Bi-Fold.....	598.71	72.32
08 14 76 00-0032	EA		5'-0", Four 1-3/8" Unfinished Doors, Pine Veneer, Raised Panel Bi-Fold.....	681.12	76.84
08 14 76 00-0033	EA		6'-0", Four 1-3/8" Unfinished Doors, Pine Veneer, Raised Panel Bi-Fold.....	775.43	81.36
08 14 76 00-0034			Oak Raised Panel Bi-Fold Doors (08 14 76 00-0001)		
08 14 76 00-0035	EA		2'-0", Two 1-3/8" Unfinished Doors, Oak Veneer, Raised Panel Bi-Fold.....	419.79	54.24
08 14 76 00-0036	EA		2'-6", Two 1-3/8" Unfinished Doors, Oak Veneer, Raised Panel Bi-Fold.....	455.60	58.76
08 14 76 00-0037	EA		2'-8", Two 1-3/8" Unfinished Doors, Oak Veneer, Raised Panel Bi-Fold.....	497.35	63.28
08 14 76 00-0038	EA		3'-0", Two 1-3/8" Unfinished Doors, Oak Veneer, Raised Panel Bi-Fold.....	506.39	67.80
08 14 76 00-0039	EA		4'-0", Four 1-3/8" Unfinished Doors, Oak Veneer, Raised Panel Bi-Fold.....	767.26	72.32
08 14 76 00-0040	EA		5'-0", Four 1-3/8" Unfinished Doors, Oak Veneer, Raised Panel Bi-Fold.....	829.84	76.84
08 14 76 00-0041	EA		6'-0", Four 1-3/8" Unfinished Doors, Oak Veneer, Raised Panel Bi-Fold.....	904.32	81.36
08 14 76 00-0042			Molded High Density Fiberboard Hollow Core Paneled Bi-Fold Doors (08 14 76 00-0001)		
08 14 76 00-0043	EA		2'-0", Two 1-3/8" Unfinished Doors, Primed, Molded High Density Fiberboard, Hollow Core, Paneled Bi-Fold.....	148.34	54.24
08 14 76 00-0044	EA		2'-6", Two 1-3/8" Unfinished Doors, Primed, Molded High Density Fiberboard, Hollow Core, Paneled Bi-Fold.....	159.91	58.76
08 14 76 00-0045	EA		2'-8", Two 1-3/8" Unfinished Doors, Primed, Molded High Density Fiberboard, Hollow Core, Paneled Bi-Fold.....	174.31	63.28
08 14 76 00-0046	EA		3'-0", Two 1-3/8" Unfinished Doors, Primed, Molded High Density Fiberboard, Hollow Core, Paneled Bi-Fold.....	178.84	67.80
08 14 76 00-0047	EA		4'-0", Four 1-3/8" Unfinished Doors, Primed, Molded High Density Fiberboard, Hollow Core, Paneled Bi-Fold.....	213.44	72.32
08 14 76 00-0048	EA		5'-0", Four 1-3/8" Unfinished Doors, Primed, Molded High Density Fiberboard, Hollow Core, Paneled Bi-Fold.....	229.56	76.84
08 14 76 00-0049	EA		6'-0", Four 1-3/8" Unfinished Doors, Primed, Molded High Density Fiberboard, Hollow Core, Paneled Bi-Fold.....	253.89	81.36



Openings	08	08
Doors And Frames	08 10	
Plastic Doors	08 15	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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08 15 Plastic Doors (08 10)

Note: Includes machining for all hardware, except mortised locks. Excludes finish hardware. See CSI section 08 70 00 00-0000 for finish hardware.

08 15 13 Laminated Plastic Doors (08 15)

See CSI section 08 70 00 00-0000 for finish hardware.

08 15 13 00-0001 Laminated Plastic Doors (08 15 13)

Note: 0.125" acrylic/PVC thermoplastic face sheet over 1-1/2" x 1-1/2" x 16 gauge welded steel tube framework and a core of resin impregnated Kraft honeycomb (Urethane insulation). Panel capping channel to be 304 stainless steel.

08 15 13 00-0002	EA Door, Plastic Clad 1-3/8", 1/6 X 6/8	281.42	45.22
	<i>For Machining for Mortise Lock, Add</i>	35.00	
08 15 13 00-0003	EA Door, Plastic Clad 1-3/4", 1/6 X 6/8	281.42	45.22
	<i>For Machining for Mortise Lock, Add</i>	35.00	
08 15 13 00-0004	EA Door, Plastic Clad 1-3/8", 1/6 X 7/0	281.42	45.22
	<i>For Machining for Mortise Lock, Add</i>	35.00	
08 15 13 00-0005	EA Door, Plastic Clad 1-3/4", 1/6 X 7/0	281.42	45.22
	<i>For Machining for Mortise Lock, Add</i>	35.00	
08 15 13 00-0006	EA Door, Plastic Clad 1-3/8", 2/0 X 6/8	290.46	49.73
	<i>For Machining for Mortise Lock, Add</i>	35.00	
08 15 13 00-0007	EA Door, Plastic Clad 1-3/4", 2/0 X 6/8	290.46	49.73
	<i>For Machining for Mortise Lock, Add</i>	35.00	
08 15 13 00-0008	EA Door, Plastic Clad 1-3/8", 2/0 X 7/0	290.46	49.73
	<i>For Machining for Mortise Lock, Add</i>	35.00	
08 15 13 00-0009	EA Door, Plastic Clad 1-3/4", 2/0 X 7/0	290.46	49.73
	<i>For Machining for Mortise Lock, Add</i>	35.00	
08 15 13 00-0010	EA Door, Plastic Clad 1-3/8", 2/6 X 6/8	314.70	52.00
	<i>For Machining for Mortise Lock, Add</i>	35.00	
08 15 13 00-0011	EA Door, Plastic Clad 1-3/4", 2/6 X 6/8	314.70	52.00
	<i>For Machining for Mortise Lock, Add</i>	35.00	
08 15 13 00-0012	EA Door, Plastic Clad 1-3/8", 2/6 X 7/0	314.70	49.73
	<i>For Machining for Mortise Lock, Add</i>	35.00	
08 15 13 00-0013	EA Door, Plastic Clad 1-3/4", 2/6 X 7/0	314.70	52.00
	<i>For Machining for Mortise Lock, Add</i>	35.00	
08 15 13 00-0014	EA Door, Plastic Clad 1-3/8", 3/0 X 6/8	338.95	54.26
	<i>For Machining for Mortise Lock, Add</i>	35.00	
08 15 13 00-0015	EA Door, Plastic Clad 1-3/4", 3/0 X 6/8	338.95	54.26
	<i>For Machining for Mortise Lock, Add</i>	35.00	
08 15 13 00-0016	EA Door, Plastic Clad 1-3/8", 3/0 X 7/0	338.95	54.26
	<i>For Machining for Mortise Lock, Add</i>	35.00	
08 15 13 00-0017	EA Door, Plastic Clad 1-3/4", 3/0 X 7/0	338.95	54.26
	<i>For Machining for Mortise Lock, Add</i>	35.00	
08 15 13 00-0018	EA Door, Plastic Clad 1-3/8", 3/6 X 6/8	374.62	56.51
	<i>For Machining for Mortise Lock, Add</i>	35.00	
08 15 13 00-0019	EA Door, Plastic Clad 1-3/4", 3/6 X 6/8	374.62	56.51
	<i>For Machining for Mortise Lock, Add</i>	35.00	
08 15 13 00-0020	EA Door, Plastic Clad 1-3/8", 3/6 X 7/0	374.62	56.51
	<i>For Machining for Mortise Lock, Add</i>	35.00	
08 15 13 00-0021	EA Door, Plastic Clad 1-3/4", 3/6 X 7/0	374.62	56.51
	<i>For Machining for Mortise Lock, Add</i>	35.00	
08 15 13 00-0022	EA Door, Plastic Clad 1-3/8", 4/0 X 6/8	424.14	61.04
	<i>For Machining for Mortise Lock, Add</i>	35.00	
08 15 13 00-0023	EA Door, Plastic Clad 1-3/4", 4/0 X 6/8	424.14	61.04
	<i>For Machining for Mortise Lock, Add</i>	35.00	
08 15 13 00-0024	EA Door, Plastic Clad 1-3/8", 4/0 X 7/0	424.14	61.04
	<i>For Machining for Mortise Lock, Add</i>	35.00	
08 15 13 00-0025	EA Door, Plastic Clad 1-3/4", 4/0 X 7/0	424.14	61.04
	<i>For Machining for Mortise Lock, Add</i>	35.00	

08 16 Composite Doors (08 10)

Note: Includes machining for all hardware. Excludes finish hardware. See CSI section 08 70 00 00-0000 for finish hardware.

08 16 13 Fiberglass Doors (08 16)

See CSI section 08 70 00 00-0000 for finish hardware.

08 16 13 00-0001 Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Frames And Doors (08 16 13)

08 16 13 00-0002 Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Chem-Pruf) (08 16 13 00-0001)

08 16 13 00-0003 Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Chem-Pruf) (08 16 13 00-0002)

Note: White, tan, brown or gray finish. Includes factory hardware prep and 25 Mil resin rich gel coat.

08 16 13 00-0004 Standard, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Chem-Pruf) (08 16 13 00-0003)

Note: Includes fiberglass reinforced polyester (FRP) door frame, 4-1/2" x 4-1/2" stainless steel hinges and factory hardware prep. Excludes hardware.

08 16 13 00-0005 6'-8" High, Standard Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Chem-Pruf) (08 16 13 00-0004)

08 Openings**08 10 Doors And Frames****08 16 Composite Doors**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 16 13 00-0006	EA		3' x 6'-8", Standard Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf) <i>For Custom Color Finish, Add</i> <i>For Stainless Steel Continuous Hinge, Add</i>	1,998.31 102.85 228.93	54.26
08 16 13 00-0007	EA		3'-6" x 6'-8", Standard Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf) <i>For Custom Color Finish, Add</i> <i>For Stainless Steel Continuous Hinge, Add</i>	2,132.64 102.85 228.93	56.51
08 16 13 00-0008	EA		4' x 6'-8", Standard Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf) <i>For Custom Color Finish, Add</i> <i>For Stainless Steel Continuous Hinge, Add</i>	2,337.48 102.85 228.93	61.04
08 16 13 00-0009	PR		Pair 3' x 6'-8", Standard Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf) <i>For Custom Color Finish, Add</i> <i>For Stainless Steel Continuous Hinge, Add</i>	3,656.87 205.70 457.86	103.09
08 16 13 00-0010	PR		Pair 3'-6" x 6'-8", Standard Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf) <i>For Custom Color Finish, Add</i> <i>For Stainless Steel Continuous Hinge, Add</i>	3,894.26 205.70 457.86	107.38
08 16 13 00-0011	PR		Pair 4' x 6'-8", Standard Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf) <i>For Custom Color Finish, Add</i> <i>For Stainless Steel Continuous Hinge, Add</i>	4,333.85 205.70 457.86	115.97
08 16 13 00-0012 7' High, Standard Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Chem-Pruf) (08 16 13 00-0004)					
08 16 13 00-0013	EA		3' x 7', Standard Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf) <i>For Custom Color Finish, Add</i> <i>For Stainless Steel Continuous Hinge, Add</i>	1,998.31 102.85 228.93	54.26
08 16 13 00-0014	EA		3'-6" x 7', Standard Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf) <i>For Custom Color Finish, Add</i> <i>For Stainless Steel Continuous Hinge, Add</i>	2,185.44 102.85 228.93	56.51
08 16 13 00-0015	EA		4' x 7', Standard Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf) <i>For Custom Color Finish, Add</i> <i>For Stainless Steel Continuous Hinge, Add</i>	2,393.58 102.85 228.93	61.04
08 16 13 00-0016	PR		Pair 3' x 7', Standard Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf) <i>For Custom Color Finish, Add</i> <i>For Stainless Steel Continuous Hinge, Add</i>	3,656.87 205.70 457.86	103.09
08 16 13 00-0017	PR		Pair 3'-6" x 7', Standard Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf) <i>For Custom Color Finish, Add</i> <i>For Stainless Steel Continuous Hinge, Add</i>	4,128.56 205.70 457.86	107.38
08 16 13 00-0018	PR		Pair 4' x 7', Standard Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf) <i>For Custom Color Finish, Add</i> <i>For Stainless Steel Continuous Hinge, Add</i>	4,446.05 205.70 457.86	115.97
08 16 13 00-0019 Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Chem-Pruf) (08 16 13 00-0003)					
Note: Includes fiberglass reinforced polyester (FRP) door frame, 4-1/2" x 4-1/2" stainless steel hinges and factory hardware prep. Excludes hardware.					
08 16 13 00-0020 45 Minute Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Chem-Pruf) (08 16 13 00-0019)					
08 16 13 00-0021 6'-8" High, 45 Minute Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Chem-Pruf) (08 16 13 00-0020)					
08 16 13 00-0022	EA		3' x 6'-8", 45 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf) <i>For Custom Color Finish, Add</i> <i>For Stainless Steel Continuous Hinge, Add</i>	2,367.91 102.85 228.93	54.26
08 16 13 00-0023	EA		3'-6" x 6'-8", 45 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf) <i>For Custom Color Finish, Add</i> <i>For Stainless Steel Continuous Hinge, Add</i>	2,417.54 102.85 228.93	56.51
08 16 13 00-0024	EA		4' x 6'-8", 45 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf) <i>For Custom Color Finish, Add</i> <i>For Stainless Steel Continuous Hinge, Add</i>	2,755.48 102.85 228.93	61.04
08 16 13 00-0025	PR		Pair 3' x 6'-8", 45 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf) <i>For Custom Color Finish, Add</i> <i>For Stainless Steel Continuous Hinge, Add</i>	4,194.77 205.70 457.86	103.09
08 16 13 00-0026	PR		Pair 3'-6" x 6'-8", 45 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf) <i>For Custom Color Finish, Add</i> <i>For Stainless Steel Continuous Hinge, Add</i>	2,104.56 205.70 457.86	107.38
08 16 13 00-0027	PR		Pair 4' x 6'-8", 45 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf) <i>For Custom Color Finish, Add</i> <i>For Stainless Steel Continuous Hinge, Add</i>	4,968.55 205.70 457.86	115.97
08 16 13 00-0028 7' High, 45 Minute Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Chem-Pruf) (08 16 13 00-0020)					



Openings	08
Doors And Frames	08 10
Composite Doors	08 16

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 16 13 00-0029	EA		3' x 7', 45 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf).....	2,367.91	54.26
			<i>For Custom Color Finish, Add</i>	102.85	
			<i>For Stainless Steel Continuous Hinge, Add</i>	228.93	
08 16 13 00-0030	EA		3'-6" x 7', 45 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf).....	2,589.14	56.51
			<i>For Custom Color Finish, Add</i>	102.85	
			<i>For Stainless Steel Continuous Hinge, Add</i>	228.93	
08 16 13 00-0031	EA		4' x 7', 45 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf).....	2,819.28	61.04
			<i>For Custom Color Finish, Add</i>	102.85	
			<i>For Stainless Steel Continuous Hinge, Add</i>	228.93	
08 16 13 00-0032	PR		Pair 3' x 7', 45 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf).....	4,194.77	103.09
			<i>For Custom Color Finish, Add</i>	205.70	
			<i>For Stainless Steel Continuous Hinge, Add</i>	457.86	
08 16 13 00-0033	PR		Pair 3'-6" x 7', 45 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf).....	4,592.76	107.38
			<i>For Custom Color Finish, Add</i>	205.70	
			<i>For Stainless Steel Continuous Hinge, Add</i>	457.86	
08 16 13 00-0034	PR		Pair 4' x 7', 45 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf).....	5,097.25	115.97
			<i>For Custom Color Finish, Add</i>	205.70	
			<i>For Stainless Steel Continuous Hinge, Add</i>	457.86	
08 16 13 00-0035			60 Minute Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Chem-Pruf) <small>(08 16 13 00-0019)</small>		
08 16 13 00-0036			6'-8" High, 60 Minute Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Chem-Pruf) <small>(08 16 13 00-0035)</small>		
08 16 13 00-0037	EA		3' x 6'-8", 60 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf).....	2,367.91	54.26
			<i>For Custom Color Finish, Add</i>	102.85	
			<i>For Stainless Steel Continuous Hinge, Add</i>	228.93	
08 16 13 00-0038	EA		3'-6" x 6'-8", 60 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf).....	2,417.54	56.51
			<i>For Custom Color Finish, Add</i>	102.85	
			<i>For Stainless Steel Continuous Hinge, Add</i>	228.93	
08 16 13 00-0039	EA		4' x 6'-8", 60 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf).....	2,755.48	61.04
			<i>For Custom Color Finish, Add</i>	102.85	
			<i>For Stainless Steel Continuous Hinge, Add</i>	228.93	
08 16 13 00-0040	PR		Pair 3' x 6'-8", 60 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf).....	4,194.77	103.09
			<i>For Custom Color Finish, Add</i>	205.70	
			<i>For Stainless Steel Continuous Hinge, Add</i>	457.86	
08 16 13 00-0041	PR		Pair 3'-6" x 6'-8", 60 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf).....	4,248.46	107.38
			<i>For Custom Color Finish, Add</i>	205.70	
			<i>For Stainless Steel Continuous Hinge, Add</i>	457.86	
08 16 13 00-0042	PR		Pair 4' x 6'-8", 60 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf).....	4,968.55	115.97
			<i>For Custom Color Finish, Add</i>	205.70	
			<i>For Stainless Steel Continuous Hinge, Add</i>	457.86	
08 16 13 00-0043			7' High, 60 Minute Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Chem-Pruf) <small>(08 16 13 00-0035)</small>		
08 16 13 00-0044	EA		3' x 7', 60 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf).....	2,367.91	54.26
			<i>For Custom Color Finish, Add</i>	102.85	
			<i>For Stainless Steel Continuous Hinge, Add</i>	228.93	
08 16 13 00-0045	EA		3'-6" x 7', 60 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf).....	2,589.14	56.51
			<i>For Custom Color Finish, Add</i>	102.85	
			<i>For Stainless Steel Continuous Hinge, Add</i>	228.93	
08 16 13 00-0046	EA		4' x 7', 60 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf).....	2,819.28	61.04
			<i>For Custom Color Finish, Add</i>	102.85	
			<i>For Stainless Steel Continuous Hinge, Add</i>	228.93	
08 16 13 00-0047	PR		Pair 3' x 7', 60 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf).....	4,194.77	103.09
			<i>For Custom Color Finish, Add</i>	205.70	
			<i>For Stainless Steel Continuous Hinge, Add</i>	457.86	
08 16 13 00-0048	PR		Pair 3'-6" x 7', 60 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf).....	4,592.76	107.38
			<i>For Custom Color Finish, Add</i>	205.70	
			<i>For Stainless Steel Continuous Hinge, Add</i>	457.86	
08 16 13 00-0049	PR		Pair 4' x 7', 60 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf).....	5,097.25	115.97
			<i>For Custom Color Finish, Add</i>	205.70	
			<i>For Stainless Steel Continuous Hinge, Add</i>	457.86	

08	Openings
08 10	Doors And Frames
08 16	Composite Doors



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 16 13 00-0050			90 Minute Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Chem-Pruf) (08 16 13 00-0019)		
08 16 13 00-0051			6'-8" High, 90 Minute Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Chem-Pruf) (08 16 13 00-0050)		
08 16 13 00-0052	EA		3' x 6'-8", 90 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf).....	2,367.91	54.26
			For Custom Color Finish, Add	102.85	
			For Stainless Steel Continuous Hinge, Add	228.93	
08 16 13 00-0053	EA		3'-6" x 6'-8", 90 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf).....	2,417.54	56.51
			For Custom Color Finish, Add	102.85	
			For Stainless Steel Continuous Hinge, Add	228.93	
08 16 13 00-0054	EA		4' x 6'-8", 90 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf).....	2,755.48	61.04
			For Custom Color Finish, Add	102.85	
			For Stainless Steel Continuous Hinge, Add	228.93	
08 16 13 00-0055	PR		Pair 3' x 6'-8", 90 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf).....	4,194.77	103.09
			For Custom Color Finish, Add	205.70	
			For Stainless Steel Continuous Hinge, Add	457.86	
08 16 13 00-0056	PR		Pair 3'-6" x 6'-8", 90 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf).....	4,248.46	107.38
			For Custom Color Finish, Add	205.70	
			For Stainless Steel Continuous Hinge, Add	457.86	
08 16 13 00-0057	PR		Pair 4' x 6'-8", 90 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf).....	4,968.55	115.97
			For Custom Color Finish, Add	205.70	
			For Stainless Steel Continuous Hinge, Add	457.86	
08 16 13 00-0058			7' High, 90 Minute Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Chem-Pruf) (08 16 13 00-0050)		
08 16 13 00-0059	EA		3' x 7', 90 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf).....	2,367.91	54.26
			For Custom Color Finish, Add	102.85	
			For Stainless Steel Continuous Hinge, Add	228.93	
08 16 13 00-0060	EA		3'-6" x 7', 90 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf).....	2,589.14	56.51
			For Custom Color Finish, Add	102.85	
			For Stainless Steel Continuous Hinge, Add	228.93	
08 16 13 00-0061	EA		4' x 7', 90 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf).....	2,819.28	61.04
			For Custom Color Finish, Add	102.85	
			For Stainless Steel Continuous Hinge, Add	228.93	
08 16 13 00-0062	PR		Pair 3' x 7', 90 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf).....	4,194.77	103.09
			For Custom Color Finish, Add	205.70	
			For Stainless Steel Continuous Hinge, Add	457.86	
08 16 13 00-0063	PR		Pair 3'-6" x 7', 90 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf).....	4,592.76	107.38
			For Custom Color Finish, Add	205.70	
			For Stainless Steel Continuous Hinge, Add	457.86	
08 16 13 00-0064	PR		Pair 4' x 7', 90 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf).....	5,097.25	115.97
			For Custom Color Finish, Add	205.70	
			For Stainless Steel Continuous Hinge, Add	457.86	
08 16 13 00-0065			Storm Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Chem-Pruf) (08 16 13 00-0003)		
			Note: Includes fiberglass reinforced polyester (FRP) door frame, 4-1/2" x 4-1/2" stainless steel hinges and factory hardware prep. Excludes hardware.		
08 16 13 00-0066			6'-8" High, Storm Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Chem-Pruf) (08 16 13 00-0065)		
08 16 13 00-0067	EA		3' x 6'-8", Storm Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf).....	2,111.61	54.26
			For Custom Color Finish, Add	102.85	
			For Stainless Steel Continuous Hinge, Add	228.93	
08 16 13 00-0068			7' High, Storm Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Chem-Pruf) (08 16 13 00-0065)		
08 16 13 00-0069	EA		3' x 7', Storm Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf).....	2,111.61	54.26
			For Custom Color Finish, Add	102.85	
			For Stainless Steel Continuous Hinge, Add	228.93	
08 16 13 00-0070			Accessories For Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Doors (Chem-Pruf) (08 16 13 00-0002)		
08 16 13 00-0071	SI		1/4" Tempered, Factory Installed Vision Glass (Chem-Pruf).....	0.28	
08 16 13 00-0072	SI		1/4" Laminated, Factory Installed Vision Glass (Chem-Pruf).....	0.29	



Openings	08	08
Doors And Frames	08 10	
Composite Doors	08 16	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 16 13 00-0073 SI 1/4" Wire, Factory Installed Vision Glass (Chem-Pruf)	0.38	
08 16 13 00-0074 SI 1/2" Insulated, Factory Installed Vision Glass (Chem-Pruf)	0.36	
08 16 13 00-0075 SI Factory Installed Molded Louver (Chem-Pruf)	0.72	
08 16 13 00-0076 SI Factory Installed Molded Louver With Insect Screen (Chem-Pruf)	0.81	
08 16 13 00-0077 LF Weather Strip (Chem-Pruf)	7.70	
08 16 13 00-0078 LF Fiberglass Reinforced Polyester (FRP) Astragal With Seal (Chem-Pruf)	9.90	
08 16 13 00-0079 LF 1/2" Fiberglass Reinforced Polyester (FRP) Grooved Saddle Threshold (Chem-Pruf)	20.90	
08 16 13 00-0080 LF Fiberglass Reinforced Polyester (FRP) Door Sweep (Chem-Pruf)	23.10	
08 16 13 00-0081 LF 2-1/4" Fiberglass Reinforced Polyester (FRP) Center Door Mullion (Chem-Pruf).....	45.10	
08 16 13 00-0082 Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Skule Door) (08 16 13 00-0001)		
08 16 13 00-0083 Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Skule Door) (08 16 13 00-0082)		
Note: White, tan, brown or gray finish. Includes factory hardware prep.		
08 16 13 00-0084 Standard, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Skule Door) (08 16 13 00-0083)		
Note: Includes fiberglass reinforced polyester (FRP) door frame, 4-1/2" x 4-1/2" stainless steel hinges and factory hardware prep. Excludes hardware.		
08 16 13 00-0085 6'-8" High, Standard Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Skule Door) (08 16 13 00-0084)		
08 16 13 00-0086 EA 3' x 6'-8", Standard Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door).....	1,532.55	54.26
For Custom Color Finish, Add	102.85	
For Stainless Steel Continuous Hinge, Add	228.93	
08 16 13 00-0087 EA 3'-6" x 6'-8", Standard Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door)	1,554.38	56.51
For Custom Color Finish, Add	102.85	
For Stainless Steel Continuous Hinge, Add	228.93	
08 16 13 00-0088 EA 4' x 6'-8", Standard Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door).....	1,629.97	61.04
For Custom Color Finish, Add	102.85	
For Stainless Steel Continuous Hinge, Add	228.93	
08 16 13 00-0089 PR Pair 3' x 6'-8", Standard Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door)	2,843.95	103.09
For Custom Color Finish, Add	205.70	
For Stainless Steel Continuous Hinge, Add	457.86	
08 16 13 00-0090 PR Pair 3'-6" x 6'-8", Standard Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door)	2,887.14	107.38
For Custom Color Finish, Add	205.70	
For Stainless Steel Continuous Hinge, Add	457.86	
08 16 13 00-0091 PR Pair 4' x 6'-8", Standard Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door)	3,037.43	115.97
For Custom Color Finish, Add	205.70	
For Stainless Steel Continuous Hinge, Add	457.86	
08 16 13 00-0092 7' High, Standard Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Skule Door) (08 16 13 00-0084)		
08 16 13 00-0093 EA 3' x 7', Standard Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door)	1,532.55	54.26
For Custom Color Finish, Add	102.85	
For Stainless Steel Continuous Hinge, Add	228.93	
08 16 13 00-0094 EA 3'-6" x 7', Standard Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door).....	1,620.93	56.51
For Custom Color Finish, Add	102.85	
For Stainless Steel Continuous Hinge, Add	228.93	
08 16 13 00-0095 EA 4' x 7', Standard Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door)	1,629.97	61.04
For Custom Color Finish, Add	102.85	
For Stainless Steel Continuous Hinge, Add	228.93	
08 16 13 00-0096 PR Pair 3' x 7', Standard Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door).....	2,843.95	103.09
For Custom Color Finish, Add	205.70	
For Stainless Steel Continuous Hinge, Add	457.86	
08 16 13 00-0097 PR Pair 3'-6" x 7', Standard Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door)	3,020.24	107.38
For Custom Color Finish, Add	205.70	
For Stainless Steel Continuous Hinge, Add	457.86	
08 16 13 00-0098 PR Pair 4' x 7', Standard Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door).....	3,037.43	115.97
For Custom Color Finish, Add	205.70	
For Stainless Steel Continuous Hinge, Add	457.86	
08 16 13 00-0099 Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Skule Door) (08 16 13 00-0083)		
Note: Includes fiberglass reinforced polyester (FRP) door frame, 4-1/2" x 4-1/2" stainless steel hinges and factory hardware prep. Excludes hardware.		
08 16 13 00-0100 45 Minute Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Skule Door) (08 16 13 00-0099)		
08 16 13 00-0101 6'-8" High, 45 Minute Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Skule Door) (08 16 13 00-0100)		

08	Openings
08 10	Doors And Frames
08 16	Composite Doors



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 16 13 00-0102	EA		3' x 6'-8", 45 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door)	2,530.80	54.26
			<i>For Custom Color Finish, Add</i>	102.85	
			<i>For Stainless Steel Continuous Hinge, Add</i>	228.93	
08 16 13 00-0103	EA		3'-6" x 6'-8", 45 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door)	2,583.24	56.51
			<i>For Custom Color Finish, Add</i>	102.85	
			<i>For Stainless Steel Continuous Hinge, Add</i>	228.93	
08 16 13 00-0104	EA		4' x 6'-8", 45 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door)	2,706.75	61.04
			<i>For Custom Color Finish, Add</i>	102.85	
			<i>For Stainless Steel Continuous Hinge, Add</i>	228.93	
08 16 13 00-0105	PR		Pair 3' x 6'-8", 45 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door)	4,564.93	103.09
			<i>For Custom Color Finish, Add</i>	205.70	
			<i>For Stainless Steel Continuous Hinge, Add</i>	457.86	
08 16 13 00-0106	PR		Pair 3'-6" x 6'-8", 45 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door)	4,669.35	107.38
			<i>For Custom Color Finish, Add</i>	205.70	
			<i>For Stainless Steel Continuous Hinge, Add</i>	457.86	
08 16 13 00-0107	PR		Pair 4' x 6'-8", 45 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door)	4,915.47	115.97
			<i>For Custom Color Finish, Add</i>	205.70	
			<i>For Stainless Steel Continuous Hinge, Add</i>	457.86	
08 16 13 00-0108			7' High, 45 Minute Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Skule Door) <small>(08 16 13 00-0100)</small>		
08 16 13 00-0109	EA		3' x 7', 45 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door)	2,530.80	54.26
			<i>For Custom Color Finish, Add</i>	102.85	
			<i>For Stainless Steel Continuous Hinge, Add</i>	228.93	
08 16 13 00-0110	EA		3'-6" x 7', 45 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door)	2,601.88	56.51
			<i>For Custom Color Finish, Add</i>	102.85	
			<i>For Stainless Steel Continuous Hinge, Add</i>	228.93	
08 16 13 00-0111	EA		4' x 7', 45 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door)	2,763.98	61.04
			<i>For Custom Color Finish, Add</i>	102.85	
			<i>For Stainless Steel Continuous Hinge, Add</i>	228.93	
08 16 13 00-0112	PR		Pair 3' x 7', 45 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door)	4,564.93	103.09
			<i>For Custom Color Finish, Add</i>	205.70	
			<i>For Stainless Steel Continuous Hinge, Add</i>	457.86	
08 16 13 00-0113	PR		Pair 3'-6" x 7', 45 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door)	4,706.62	107.38
			<i>For Custom Color Finish, Add</i>	205.70	
			<i>For Stainless Steel Continuous Hinge, Add</i>	457.86	
08 16 13 00-0114	PR		Pair 4' x 7', 45 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door)	5,029.94	115.97
			<i>For Custom Color Finish, Add</i>	205.70	
			<i>For Stainless Steel Continuous Hinge, Add</i>	457.86	
08 16 13 00-0115			60 Minute Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Skule Door) <small>(08 16 13 00-0099)</small>		
08 16 13 00-0116			6'-8" High, 60 Minute Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Skule Door) <small>(08 16 13 00-0115)</small>		
08 16 13 00-0117	EA		3' x 6'-8", 60 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door)	2,530.80	54.26
			<i>For Custom Color Finish, Add</i>	102.85	
			<i>For Stainless Steel Continuous Hinge, Add</i>	228.93	
08 16 13 00-0118	EA		3'-6" x 6'-8", 60 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door)	2,583.24	56.51
			<i>For Custom Color Finish, Add</i>	102.85	
			<i>For Stainless Steel Continuous Hinge, Add</i>	228.93	
08 16 13 00-0119	EA		4' x 6'-8", 60 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door)	2,706.75	61.04
			<i>For Custom Color Finish, Add</i>	102.85	
			<i>For Stainless Steel Continuous Hinge, Add</i>	228.93	
08 16 13 00-0120	PR		Pair 3' x 6'-8", 60 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door)	4,564.93	103.09
			<i>For Custom Color Finish, Add</i>	205.70	
			<i>For Stainless Steel Continuous Hinge, Add</i>	457.86	
08 16 13 00-0121	PR		Pair 3'-6" x 6'-8", 60 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door)	4,669.35	107.38
			<i>For Custom Color Finish, Add</i>	205.70	
			<i>For Stainless Steel Continuous Hinge, Add</i>	457.86	
08 16 13 00-0122	PR		Pair 4' x 6'-8", 60 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door)	4,915.47	115.97
			<i>For Custom Color Finish, Add</i>	205.70	
			<i>For Stainless Steel Continuous Hinge, Add</i>	457.86	



Openings	08	08
Doors And Frames	08 10	
Composite Doors	08 16	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 16 13 00-0123 7' High, 60 Minute Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Skule Door) <small>(08 16 13 00-0115)</small>		
08 16 13 00-0124 EA 3' x 7', 60 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door)	2,530.80	54.26
For Custom Color Finish, Add	102.85	
For Stainless Steel Continuous Hinge, Add	228.93	
08 16 13 00-0125 EA 3'-6" x 7', 60 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door)	2,601.88	56.51
For Custom Color Finish, Add	102.85	
For Stainless Steel Continuous Hinge, Add	228.93	
08 16 13 00-0126 EA 4' x 7', 60 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door)	2,763.98	61.04
For Custom Color Finish, Add	102.85	
For Stainless Steel Continuous Hinge, Add	228.93	
08 16 13 00-0127 PR Pair 3' x 7', 60 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door)	4,564.93	103.09
For Custom Color Finish, Add	205.70	
For Stainless Steel Continuous Hinge, Add	457.86	
08 16 13 00-0128 PR Pair 3'-6" x 7', 60 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door)	4,706.62	107.38
For Custom Color Finish, Add	205.70	
For Stainless Steel Continuous Hinge, Add	457.86	
08 16 13 00-0129 PR Pair 4' x 7', 60 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door)	5,029.94	115.97
For Custom Color Finish, Add	205.70	
For Stainless Steel Continuous Hinge, Add	457.86	
08 16 13 00-0130 90 Minute Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Skule Door) <small>(08 16 13 00-0099)</small>		
08 16 13 00-0131 6'-8" High, 90 Minute Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Skule Door) <small>(08 16 13 00-0130)</small>		
08 16 13 00-0132 EA 3' x 6'-8", 90 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door)	2,530.80	54.26
For Custom Color Finish, Add	102.85	
For Stainless Steel Continuous Hinge, Add	228.93	
08 16 13 00-0133 EA 3'-6" x 6'-8", 90 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door)	2,583.24	56.51
For Custom Color Finish, Add	102.85	
For Stainless Steel Continuous Hinge, Add	228.93	
08 16 13 00-0134 EA 4' x 6'-8", 90 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door)	2,706.75	61.04
For Custom Color Finish, Add	102.85	
For Stainless Steel Continuous Hinge, Add	228.93	
08 16 13 00-0135 PR Pair 3' x 6'-8", 90 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door)	4,564.93	103.09
For Custom Color Finish, Add	205.70	
For Stainless Steel Continuous Hinge, Add	457.86	
08 16 13 00-0136 PR Pair 3'-6" x 6'-8", 90 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door)	4,669.35	107.38
For Custom Color Finish, Add	205.70	
For Stainless Steel Continuous Hinge, Add	457.86	
08 16 13 00-0137 PR Pair 4' x 6'-8", 90 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door)	4,915.47	115.97
For Custom Color Finish, Add	205.70	
For Stainless Steel Continuous Hinge, Add	457.86	
08 16 13 00-0138 7' High, 90 Minute Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Skule Door) <small>(08 16 13 00-0130)</small>		
08 16 13 00-0139 EA 3' x 7', 90 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door)	2,530.80	54.26
For Custom Color Finish, Add	102.85	
For Stainless Steel Continuous Hinge, Add	228.93	
08 16 13 00-0140 EA 3'-6" x 7', 90 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door)	2,601.88	56.51
For Custom Color Finish, Add	102.85	
For Stainless Steel Continuous Hinge, Add	228.93	
08 16 13 00-0141 EA 4' x 7', 90 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door)	2,763.98	61.04
For Custom Color Finish, Add	102.85	
For Stainless Steel Continuous Hinge, Add	228.93	
08 16 13 00-0142 PR Pair 3' x 7', 90 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door)	4,564.93	103.09
For Custom Color Finish, Add	205.70	
For Stainless Steel Continuous Hinge, Add	457.86	
08 16 13 00-0143 PR Pair 3'-6" x 7', 90 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door)	4,706.62	107.38
For Custom Color Finish, Add	205.70	
For Stainless Steel Continuous Hinge, Add	457.86	

08	Openings
08 10	Doors And Frames
08 16	Composite Doors



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 16 13 00-0144 PR Pair 4' x 7', 90 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door).....	5,029.94	115.97
<i>For Custom Color Finish, Add</i>	205.70	
<i>For Stainless Steel Continuous Hinge, Add</i>	457.86	
08 16 13 00-0145 Storm Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Skule Door) (08 16 13 00-0083)		
Note: Includes fiberglass reinforced polyester (FRP) door frame, 4-1/2" x 4-1/2" stainless steel hinges and factory hardware prep. Excludes hardware.		
08 16 13 00-0146 6'-8" High, Storm Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Skule Door) (08 16 13 00-0145)		
08 16 13 00-0147 EA 3' x 6'-8", Storm Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door).....	1,732.20	54.26
<i>For Custom Color Finish, Add</i>	102.85	
<i>For Stainless Steel Continuous Hinge, Add</i>	228.93	
08 16 13 00-0148 7' High, Storm Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Skule Door) (08 16 13 00-0145)		
08 16 13 00-0149 EA 3' x 7', Storm Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door).....	1,732.20	54.26
<i>For Custom Color Finish, Add</i>	102.85	
<i>For Stainless Steel Continuous Hinge, Add</i>	228.93	
08 16 13 00-0150 Accessories For Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Doors (Skule Door) (08 16 13 00-0082)		
08 16 13 00-0151 SI 1/4" Tempered, Factory Installed Vision Glass (Skule Door).....	0.63	
08 16 13 00-0152 SI 1/4" Laminated, Factory Installed Vision Glass (Skule Door).....	0.65	
08 16 13 00-0153 SI 1/4" Wire, Factory Installed Vision Glass (Skule Door).....	0.68	
08 16 13 00-0154 SI 1/2" Insulated, Factory Installed Vision Glass (Skule Door).....	0.98	
08 16 13 00-0155 SI Factory Installed Molded Louver (Skule Door).....	0.39	
08 16 13 00-0156 SI Factory Installed Molded Louver With Insect Screen (Skule Door).....	0.62	
08 16 13 00-0157 LF Weather Strip (Skule Door).....	5.32	
08 16 13 00-0158 LF Fiberglass Reinforced Polyester (FRP) Astragal With Seal (Skule Door).....	6.66	
08 16 13 00-0159 LF 1/2" Fiberglass Reinforced Polyester (FRP) Grooved Saddle Threshold (Skule Door).....	21.30	
08 16 13 00-0160 LF Fiberglass Reinforced Polyester (FRP) Door Sweep (Skule Door).....	75.87	
08 16 13 00-0161 LF 2-1/4" Fiberglass Reinforced Polyester (FRP) Center Door Mullion (Skule Door).....	29.28	
08 17 Integrated Door Opening Assemblies (08 10)		
08 17 23 Integrated Metal Door Opening Assemblies (08 17)		
08 17 23 00-0001 Pre-Hung Interior Door Units (08 17 23)		
Note: All prehung doors include door, frame, and trim, all mounting hardware (standard duty ball bearing hinges). Excludes lockset. See CSI section 08 70 00 00-0000 for finish hardware.		
08 17 23 00-0002 Hollow Core Doors, 1-3/8" Thick (08 17 23 00-0001)		
08 17 23 00-0003 Birch Faced (08 17 23 00-0002)		
08 17 23 00-0004 EA 2'-0" Or 2'-4" x 7' x 1-3/8" Prehung Hollow Core, Birch Faced Door.....	361.60	56.51
<i>For Each 1' Of Additional Door Height, Add</i>	59.65	
08 17 23 00-0005 EA 2'-6" x 7' x 1-3/8" Prehung Hollow Core, Birch Faced Door.....	376.86	56.51
<i>For Each 1' Of Additional Door Height, Add</i>	63.32	
08 17 23 00-0006 EA 2'-8" x 7' x 1-3/8" Prehung Hollow Core, Birch Faced Door.....	396.67	58.78
<i>For Each 1' Of Additional Door Height, Add</i>	66.99	
08 17 23 00-0007 EA 3' x 7' x 1-3/8" Prehung Hollow Core, Birch Faced Door.....	405.74	61.04
<i>For Each 1' Of Additional Door Height, Add</i>	68.08	
08 17 23 00-0008 EA 3'-4" x 7' x 1-3/8" Prehung Hollow Core, Birch Faced Door.....	433.44	61.04
<i>For Each 1' Of Additional Door Height, Add</i>	74.73	
08 17 23 00-0009 EA 3'-6" x 7' x 1-3/8" Prehung Hollow Core, Birch Faced Door.....	457.90	63.30
<i>For Each 1' Of Additional Door Height, Add</i>	79.51	
08 17 23 00-0010 EA Pair 2' x 7' x 1-3/8" Prehung Hollow Core, Birch Faced Door.....	682.48	92.69
<i>For Each 1' Of Additional Door Height, Add</i>	119.30	
08 17 23 00-0011 EA Pair 2'-6" x 7' x 1-3/8" Prehung Hollow Core, Birch Faced Door.....	726.62	99.47
<i>For Each 1' Of Additional Door Height, Add</i>	126.65	
08 17 23 00-0012 EA Pair 3' x 7' x 1-3/8" Prehung Hollow Core, Birch Faced Door.....	779.82	106.26
<i>For Each 1' Of Additional Door Height, Add</i>	136.15	
08 17 23 00-0013 Luan Faced (08 17 23 00-0002)		
08 17 23 00-0014 EA 2'-0" Or 2'-4" x 7' x 1-3/8" Prehung Hollow Core, Luan Faced Door.....	329.08	56.51
<i>For Each 1' Of Additional Door Height, Add</i>	51.85	
08 17 23 00-0015 EA 2'-6" x 7' x 1-3/8" Prehung Hollow Core, Luan Faced Door.....	343.73	56.51
<i>For Each 1' Of Additional Door Height, Add</i>	55.37	
08 17 23 00-0016 EA 2'-8" x 7' x 1-3/8" Prehung Hollow Core, Luan Faced Door.....	360.60	58.78
<i>For Each 1' Of Additional Door Height, Add</i>	58.33	
08 17 23 00-0017 EA 3' x 7' x 1-3/8" Prehung Hollow Core, Luan Faced Door.....	373.85	61.04
<i>For Each 1' Of Additional Door Height, Add</i>	60.42	
08 17 23 00-0018 EA 3'-4" x 7' x 1-3/8" Prehung Hollow Core, Luan Faced Door.....	397.92	61.04
<i>For Each 1' Of Additional Door Height, Add</i>	66.20	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	08 17 23 00-0019	EA		3'-6" x 7' x 1-3/8" Prehung Hollow Core, Luan Faced Door <i>For Each 1' Of Additional Door Height, Add</i>	420.07 70.43	63.30
	08 17 23 00-0020	EA		Pair 2' x 7' x 1-3/8" Prehung Hollow Core, Luan Faced Door <i>For Each 1' Of Additional Door Height, Add</i>	617.47 103.70	92.69
	08 17 23 00-0021	EA		Pair 2'-6" x 7' x 1-3/8" Prehung Hollow Core, Luan Faced Door <i>For Each 1' Of Additional Door Height, Add</i>	660.26 110.72	99.47
	08 17 23 00-0022	EA		Pair 3' x 7' x 1-3/8" Prehung Hollow Core, Luan Faced Door <i>For Each 1' Of Additional Door Height, Add</i>	716.11 120.86	106.26
08 17 23 00-0023	Tempered Hardboard Faced <small>(08 17 23 00-0002)</small>					
	08 17 23 00-0024	EA		2'-0" Or 2'-4" x 7' x 1-3/8" Prehung Hollow Core, Hardboard Faced Door <i>For Each 1' Of Additional Door Height, Add</i>	282.40 40.65	56.51
	08 17 23 00-0025	EA		2'-6" x 7' x 1-3/8" Prehung Hollow Core, Hardboard Faced Door <i>For Each 1' Of Additional Door Height, Add</i>	294.75 43.61	56.51
	08 17 23 00-0026	EA		2'-8" x 7' x 1-3/8" Prehung Hollow Core, Hardboard Faced Door <i>For Each 1' Of Additional Door Height, Add</i>	305.12 45.02	58.78
	08 17 23 00-0027	EA		3' x 7' x 1-3/8" Prehung Hollow Core, Hardboard Faced Door <i>For Each 1' Of Additional Door Height, Add</i>	321.37 47.83	61.04
	08 17 23 00-0028	EA		3'-4" x 7' x 1-3/8" Prehung Hollow Core, Hardboard Faced Door <i>For Each 1' Of Additional Door Height, Add</i>	343.28 53.09	61.04
	08 17 23 00-0029	EA		3'-6" x 7' x 1-3/8" Prehung Hollow Core, Hardboard Faced Door <i>For Each 1' Of Additional Door Height, Add</i>	361.96 56.49	63.30
	08 17 23 00-0030	EA		Pair 2' x 7' x 1-3/8" Prehung Hollow Core, Hardboard Faced Door <i>For Each 1' Of Additional Door Height, Add</i>	524.09 81.29	92.69
	08 17 23 00-0031	EA		Pair 2'-6" x 7' x 1-3/8" Prehung Hollow Core, Hardboard Faced Door <i>For Each 1' Of Additional Door Height, Add</i>	562.34 87.22	99.47
	08 17 23 00-0032	EA		Pair 3' x 7' x 1-3/8" Prehung Hollow Core, Hardboard Faced Door <i>For Each 1' Of Additional Door Height, Add</i>	611.07 95.66	106.26
08 17 23 00-0033	Solid Core Doors, 1-3/8" Thick <small>(08 17 23 00-0001)</small>					
08 17 23 00-0034	Birch Faced <small>(08 17 23 00-0033)</small>					
	08 17 23 00-0035	EA		2'-0" Or 2'-4" x 7' x 1-3/8" Prehung Solid Core, Birch Faced Door <i>For Each 1' Of Additional Door Height, Add</i>	479.03 87.84	56.51
	08 17 23 00-0036	EA		2'-6" x 7' x 1-3/8" Prehung Solid Core, Birch Faced Door <i>For Each 1' Of Additional Door Height, Add</i>	498.28 92.46	56.51
	08 17 23 00-0037	EA		2'-8" x 7' x 1-3/8" Prehung Solid Core, Birch Faced Door <i>For Each 1' Of Additional Door Height, Add</i>	522.00 97.07	58.78
	08 17 23 00-0038	EA		3' x 7' x 1-3/8" Prehung Solid Core, Birch Faced Door <i>For Each 1' Of Additional Door Height, Add</i>	549.96 102.69	61.04
	08 17 23 00-0039	EA		3'-4" x 7' x 1-3/8" Prehung Solid Core, Birch Faced Door <i>For Each 1' Of Additional Door Height, Add</i>	596.95 113.97	61.04
	08 17 23 00-0040	EA		3'-6" x 7' x 1-3/8" Prehung Solid Core, Birch Faced Door <i>For Each 1' Of Additional Door Height, Add</i>	642.97 123.93	63.30
	08 17 23 00-0041	EA		Pair 2' x 7' x 1-3/8" Prehung Solid Core, Birch Faced Door <i>For Each 1' Of Additional Door Height, Add</i>	917.37 175.68	92.69
	08 17 23 00-0042	EA		Pair 2'-6" x 7' x 1-3/8" Prehung Solid Core, Birch Faced Door <i>For Each 1' Of Additional Door Height, Add</i>	969.42 184.92	99.47
	08 17 23 00-0043	EA		Pair 3' x 7' x 1-3/8" Prehung Solid Core, Birch Faced Door <i>For Each 1' Of Additional Door Height, Add</i>	1,068.26 205.38	106.26
08 17 23 00-0044	Luan Faced <small>(08 17 23 00-0033)</small>					
	08 17 23 00-0045	EA		2'-0" Or 2'-4" x 7' x 1-3/8" Prehung Solid Core, Luan Faced Door <i>For Each 1' Of Additional Door Height, Add</i>	429.91 76.05	56.51
	08 17 23 00-0046	EA		2'-6" x 7' x 1-3/8" Prehung Solid Core, Luan Faced Door <i>For Each 1' Of Additional Door Height, Add</i>	447.33 80.23	56.51
	08 17 23 00-0047	EA		2'-8" x 7' x 1-3/8" Prehung Solid Core, Luan Faced Door <i>For Each 1' Of Additional Door Height, Add</i>	469.24 84.41	58.78
	08 17 23 00-0048	EA		3' x 7' x 1-3/8" Prehung Solid Core, Luan Faced Door <i>For Each 1' Of Additional Door Height, Add</i>	491.36 88.63	61.04
	08 17 23 00-0049	EA		3'-4" x 7' x 1-3/8" Prehung Solid Core, Luan Faced Door <i>For Each 1' Of Additional Door Height, Add</i>	531.97 98.37	61.04
	08 17 23 00-0050	EA		3'-6" x 7' x 1-3/8" Prehung Solid Core, Luan Faced Door <i>For Each 1' Of Additional Door Height, Add</i>	562.72 104.67	63.30
	08 17 23 00-0051	EA		Pair 2' x 7' x 1-3/8" Prehung Solid Core, Luan Faced Door <i>For Each 1' Of Additional Door Height, Add</i>	819.11 152.10	92.69
	08 17 23 00-0052	EA		Pair 2'-6" x 7' x 1-3/8" Prehung Solid Core, Luan Faced Door <i>For Each 1' Of Additional Door Height, Add</i>	867.54 160.47	99.47
	08 17 23 00-0053	EA		Pair 3' x 7' x 1-3/8" Prehung Solid Core, Luan Faced Door <i>For Each 1' Of Additional Door Height, Add</i>	951.04 177.25	106.26
08 17 23 00-0054	Tempered Hardboard Faced <small>(08 17 23 00-0033)</small>					
	08 17 23 00-0055	EA		2'-0" - 2'-4" x 7' x 1-3/8" Prehung Solid Core, Hardboard Faced Door <i>For Each 1' Of Additional Door Height, Add</i>	386.16 65.55	56.51
	08 17 23 00-0056	EA		2'-6" x 7' x 1-3/8" Prehung Solid Core, Hardboard Faced Door <i>For Each 1' Of Additional Door Height, Add</i>	401.97 69.34	56.51
	08 17 23 00-0057	EA		2'-8" x 7' x 1-3/8" Prehung Solid Core, Hardboard Faced Door <i>For Each 1' Of Additional Door Height, Add</i>	422.35 73.15	58.78

08 Openings**08 10 Doors And Frames****08 17 Integrated Door Opening Assemblies**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 17 23 00-0058	EA		3' x 7' x 1-3/8" Prehung Solid Core, Hardboard Faced Door.....	432.74	61.04
			<i>For Each 1' Of Additional Door Height, Add</i>	74.56	
08 17 23 00-0059	EA		3'-4" x 7' x 1-3/8" Prehung Solid Core, Hardboard Faced Door	467.00	61.04
			<i>For Each 1' Of Additional Door Height, Add</i>	82.78	
08 17 23 00-0060	EA		3'-6" x 7' x 1-3/8" Prehung Solid Core, Hardboard Faced Door	493.61	63.30
			<i>For Each 1' Of Additional Door Height, Add</i>	88.08	
08 17 23 00-0061	PR		Pair 2' x 7' x 1-3/8" Prehung Solid Core, Hardboard Faced Door	731.61	92.69
			<i>For Each 1' Of Additional Door Height, Add</i>	131.10	
08 17 23 00-0062	PR		Pair 2'-6" x 7' x 1-3/8" Prehung Solid Core, Hardboard Faced Door	776.79	99.47
			<i>For Each 1' Of Additional Door Height, Add</i>	138.69	
08 17 23 00-0063	PR		Pair 3' x 7' x 1-3/8" Prehung Solid Core, Hardboard Faced Door	833.81	106.26
			<i>For Each 1' Of Additional Door Height, Add</i>	149.12	
08 17 23 00-0064			Hollow Core Doors, 1-3/4" Thick (08 17 23 00-0001)		
08 17 23 00-0065			Birch Faced (08 17 23 00-0064)		
08 17 23 00-0066	EA		2'-0" Or 2'-4" x 7' x 1-3/4" Prehung Hollow Core, Birch Faced Door	423.70	56.51
			<i>For Each 1' Of Additional Door Height, Add</i>	74.56	
08 17 23 00-0067	EA		2'-6" x 7' x 1-3/4" Prehung Hollow Core, Birch Faced Door	435.42	56.51
			<i>For Each 1' Of Additional Door Height, Add</i>	77.37	
08 17 23 00-0068	EA		2'-8" x 7' x 1-3/4" Prehung Hollow Core, Birch Faced Door	444.27	58.78
			<i>For Each 1' Of Additional Door Height, Add</i>	78.41	
08 17 23 00-0069	EA		3' x 7' x 1-3/4" Prehung Hollow Core, Birch Faced Door.....	467.91	61.04
			<i>For Each 1' Of Additional Door Height, Add</i>	83.00	
08 17 23 00-0070	EA		3'-4" x 7' x 1-3/4" Prehung Hollow Core, Birch Faced Door	518.64	61.04
			<i>For Each 1' Of Additional Door Height, Add</i>	95.17	
08 17 23 00-0071	EA		3'-6" x 7' x 1-3/4" Prehung Hollow Core, Birch Faced Door	582.43	63.30
			<i>For Each 1' Of Additional Door Height, Add</i>	109.40	
08 17 23 00-0072	EA		Pair 2' x 7' x 1-3/4" Prehung Hollow Core, Birch Faced Door	806.72	92.69
			<i>For Each 1' Of Additional Door Height, Add</i>	149.12	
08 17 23 00-0073	EA		Pair 2'-6" x 7' x 1-3/4" Prehung Hollow Core, Birch Faced Door.....	843.70	99.47
			<i>For Each 1' Of Additional Door Height, Add</i>	154.74	
08 17 23 00-0074	EA		Pair 3' x 7' x 1-3/4" Prehung Hollow Core, Birch Faced Door	904.19	106.26
			<i>For Each 1' Of Additional Door Height, Add</i>	166.00	
08 17 23 00-0075			Lauan Faced (08 17 23 00-0064)		
08 17 23 00-0076	EA		2'-0" Or 2'-4" x 7' x 1-3/4" Prehung Hollow Core, Lauan Faced Door	387.49	56.51
			<i>For Each 1' Of Additional Door Height, Add</i>	65.87	
08 17 23 00-0077	EA		2'-6" x 7' x 1-3/4" Prehung Hollow Core, Lauan Faced Door.....	406.40	56.51
			<i>For Each 1' Of Additional Door Height, Add</i>	70.41	
08 17 23 00-0078	EA		2'-8" x 7' x 1-3/4" Prehung Hollow Core, Lauan Faced Door.....	426.26	58.78
			<i>For Each 1' Of Additional Door Height, Add</i>	74.09	
08 17 23 00-0079	EA		3' x 7' x 1-3/4" Prehung Hollow Core, Lauan Faced Door.....	436.86	61.04
			<i>For Each 1' Of Additional Door Height, Add</i>	75.55	
08 17 23 00-0080	EA		3'-4" x 7' x 1-3/4" Prehung Hollow Core, Lauan Faced Door.....	471.47	61.04
			<i>For Each 1' Of Additional Door Height, Add</i>	83.85	
08 17 23 00-0081	EA		3'-6" x 7' x 1-3/4" Prehung Hollow Core, Lauan Faced Door.....	498.34	63.30
			<i>For Each 1' Of Additional Door Height, Add</i>	89.22	
08 17 23 00-0082	EA		Pair 2' x 7' x 1-3/4" Prehung Hollow Core, Lauan Faced Door.....	734.28	92.69
			<i>For Each 1' Of Additional Door Height, Add</i>	131.74	
08 17 23 00-0083	EA		Pair 2'-6" x 7' x 1-3/4" Prehung Hollow Core, Lauan Faced Door	785.65	99.47
			<i>For Each 1' Of Additional Door Height, Add</i>	140.81	
08 17 23 00-0084	EA		Pair 3' x 7' x 1-3/4" Prehung Hollow Core, Lauan Faced Door.....	842.08	106.26
			<i>For Each 1' Of Additional Door Height, Add</i>	151.10	
08 17 23 00-0085			Tempered Hardboard Faced (08 17 23 00-0064)		
08 17 23 00-0086	EA		2'-0" Or 2'-4" x 7' x 1-3/4" Prehung Hollow Core, Hardboard Faced Door.....	324.04	56.51
			<i>For Each 1' Of Additional Door Height, Add</i>	50.64	
08 17 23 00-0087	EA		2'-6" x 7' x 1-3/4" Prehung Hollow Core, Hardboard Faced Door.....	329.92	56.51
			<i>For Each 1' Of Additional Door Height, Add</i>	52.05	
08 17 23 00-0088	EA		2'-8" x 7' x 1-3/4" Prehung Hollow Core, Hardboard Faced Door.....	346.16	58.78
			<i>For Each 1' Of Additional Door Height, Add</i>	54.87	
08 17 23 00-0089	EA		3' x 7' x 1-3/4" Prehung Hollow Core, Hardboard Faced Door.....	362.42	61.04
			<i>For Each 1' Of Additional Door Height, Add</i>	57.68	
08 17 23 00-0090	EA		3'-4" x 7' x 1-3/4" Prehung Hollow Core, Hardboard Faced Door.....	375.80	61.04
			<i>For Each 1' Of Additional Door Height, Add</i>	60.89	
08 17 23 00-0091	EA		3'-6" x 7' x 1-3/4" Prehung Hollow Core, Hardboard Faced Door.....	396.57	63.30
			<i>For Each 1' Of Additional Door Height, Add</i>	64.79	
08 17 23 00-0092	EA		Pair 2' x 7' x 1-3/4" Prehung Hollow Core, Hardboard Faced Door.....	607.36	92.69
			<i>For Each 1' Of Additional Door Height, Add</i>	101.28	
08 17 23 00-0093	EA		Pair 2'-6" x 7' x 1-3/4" Prehung Hollow Core, Hardboard Faced Door	632.69	99.47
			<i>For Each 1' Of Additional Door Height, Add</i>	104.10	
08 17 23 00-0094	EA		Pair 3' x 7' x 1-3/4" Prehung Hollow Core, Hardboard Faced Door.....	693.19	106.26
			<i>For Each 1' Of Additional Door Height, Add</i>	115.36	
08 17 23 00-0095			Solid Core Doors, 1-3/4" Thick (08 17 23 00-0001)		
08 17 23 00-0096			Birch Faced (08 17 23 00-0095)		
08 17 23 00-0097	EA		2'-0" Or 2'-4" x 7' x 1-3/4" Prehung Solid Core, Birch Faced Door	535.08	56.51
			<i>For Each 1' Of Additional Door Height, Add</i>	101.29	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 17 23 00-0098 EA 2'-6" x 7' x 1-3/4" Prehung Solid Core, Birch Faced Door.....	552.65	56.51
For Each 1' Of Additional Door Height, Add	105.51	
08 17 23 00-0099 EA 2'-8" x 7' x 1-3/4" Prehung Solid Core, Birch Faced Door.....	563.04	58.78
For Each 1' Of Additional Door Height, Add	106.92	
08 17 23 00-0100 EA 3' x 7' x 1-3/4" Prehung Solid Core, Birch Faced Door.....	585.14	61.04
For Each 1' Of Additional Door Height, Add	111.13	
08 17 23 00-0101 EA 3'-4" x 7' x 1-3/4" Prehung Solid Core, Birch Faced Door.....	636.08	61.04
For Each 1' Of Additional Door Height, Add	123.36	
08 17 23 00-0102 EA 3'-6" x 7' x 1-3/4" Prehung Solid Core, Birch Faced Door.....	692.04	63.30
For Each 1' Of Additional Door Height, Add	135.71	
08 17 23 00-0103 EA Pair 2' x 7' x 1-3/4" Prehung Solid Core, Birch Faced Door.....	1,029.46	92.69
For Each 1' Of Additional Door Height, Add	202.58	
08 17 23 00-0104 EA Pair 2'-6" x 7' x 1-3/4" Prehung Solid Core, Birch Faced Door.....	1,078.15	99.47
For Each 1' Of Additional Door Height, Add	211.01	
08 17 23 00-0105 EA Pair 3' x 7' x 1-3/4" Prehung Solid Core, Birch Faced Door.....	1,138.63	106.26
For Each 1' Of Additional Door Height, Add	222.27	
08 17 23 00-0106 Luan Faced <small>(08 17 23 00-0095)</small>		
08 17 23 00-0107 EA 2'-0" Or 2'-4" x 7' x 1-3/4" Prehung Solid Core, Luan Faced Door.....	544.35	56.51
For Each 1' Of Additional Door Height, Add	103.51	
08 17 23 00-0108 EA 2'-6" x 7' x 1-3/4" Prehung Solid Core, Luan Faced Door.....	545.61	56.51
For Each 1' Of Additional Door Height, Add	103.82	
08 17 23 00-0109 EA 2'-8" x 7' x 1-3/4" Prehung Solid Core, Luan Faced Door.....	562.54	58.78
For Each 1' Of Additional Door Height, Add	106.80	
08 17 23 00-0110 EA 3' x 7' x 1-3/4" Prehung Solid Core, Luan Faced Door.....	576.07	61.04
For Each 1' Of Additional Door Height, Add	108.96	
08 17 23 00-0111 EA 3'-4" x 7' x 1-3/4" Prehung Solid Core, Luan Faced Door.....	617.10	61.04
For Each 1' Of Additional Door Height, Add	118.80	
08 17 23 00-0112 EA 3'-6" x 7' x 1-3/4" Prehung Solid Core, Luan Faced Door.....	653.29	63.30
For Each 1' Of Additional Door Height, Add	126.41	
08 17 23 00-0113 EA Pair 2' x 7' x 1-3/4" Prehung Solid Core, Luan Faced Door.....	1,048.02	92.69
For Each 1' Of Additional Door Height, Add	207.03	
08 17 23 00-0114 EA Pair 2'-6" x 7' x 1-3/4" Prehung Solid Core, Luan Faced Door.....	1,064.06	99.47
For Each 1' Of Additional Door Height, Add	207.63	
08 17 23 00-0115 EA Pair 3' x 7' x 1-3/4" Prehung Solid Core, Luan Faced Door.....	1,120.48	106.26
For Each 1' Of Additional Door Height, Add	217.91	
08 17 23 00-0116 Tempered Hardboard Faced <small>(08 17 23 00-0095)</small>		
08 17 23 00-0117 EA 2'-0" Or 2'-4" x 7' x 1-3/4" Prehung Solid Core, Hardboard Faced Door.....	447.15	56.51
For Each 1' Of Additional Door Height, Add	80.19	
08 17 23 00-0118 EA 2'-6" x 7' x 1-3/4" Prehung Solid Core, Hardboard Faced Door.....	452.99	56.51
For Each 1' Of Additional Door Height, Add	81.59	
08 17 23 00-0119 EA 2'-8" x 7' x 1-3/4" Prehung Solid Core, Hardboard Faced Door.....	463.39	58.78
For Each 1' Of Additional Door Height, Add	83.00	
08 17 23 00-0120 EA 3' x 7' x 1-3/4" Prehung Solid Core, Hardboard Faced Door.....	479.64	61.04
For Each 1' Of Additional Door Height, Add	85.81	
08 17 23 00-0121 EA 3'-4" x 7' x 1-3/4" Prehung Solid Core, Hardboard Faced Door.....	505.87	61.04
For Each 1' Of Additional Door Height, Add	92.11	
08 17 23 00-0122 EA 3'-6" x 7' x 1-3/4" Prehung Solid Core, Hardboard Faced Door.....	534.96	63.30
For Each 1' Of Additional Door Height, Add	98.01	
08 17 23 00-0123 EA Pair 2' x 7' x 1-3/4" Prehung Solid Core, Hardboard Faced Door.....	853.58	92.69
For Each 1' Of Additional Door Height, Add	160.37	
08 17 23 00-0124 EA Pair 2'-6" x 7' x 1-3/4" Prehung Solid Core, Hardboard Faced Door.....	878.85	99.47
For Each 1' Of Additional Door Height, Add	163.18	
08 17 23 00-0125 EA Pair 3' x 7' x 1-3/4" Prehung Solid Core, Hardboard Faced Door.....	927.63	106.26
For Each 1' Of Additional Door Height, Add	171.63	
08 17 23 00-0126 Oak Or Maple Faced <small>(08 17 23 00-0095)</small>		
08 17 23 00-0127 EA 2'-0" Or 2'-4" x 7' x 1-3/4" Prehung Solid Core, Oak Or Maple Faced Door.....	643.69	56.51
For Each 1' Of Additional Door Height, Add	127.36	
08 17 23 00-0128 EA 2'-6" x 7' x 1-3/4" Prehung Solid Core, Oak Or Maple Faced Door.....	646.94	56.51
For Each 1' Of Additional Door Height, Add	128.14	
08 17 23 00-0129 EA 2'-8" x 7' x 1-3/4" Prehung Solid Core, Oak Or Maple Faced Door.....	678.88	58.78
For Each 1' Of Additional Door Height, Add	134.72	
08 17 23 00-0130 EA 3' x 7' x 1-3/4" Prehung Solid Core, Oak Or Maple Faced Door.....	690.57	61.04
For Each 1' Of Additional Door Height, Add	136.44	
08 17 23 00-0131 EA 3'-4" x 7' x 1-3/4" Prehung Solid Core, Oak Or Maple Faced Door.....	752.19	61.04
For Each 1' Of Additional Door Height, Add	151.23	
08 17 23 00-0132 EA 3'-6" x 7' x 1-3/4" Prehung Solid Core, Oak Or Maple Faced Door.....	829.74	63.30
For Each 1' Of Additional Door Height, Add	168.75	
08 17 23 00-0133 EA Pair 2' x 7' x 1-3/4" Prehung Solid Core, Oak Or Maple Faced Door.....	1,246.70	92.69
For Each 1' Of Additional Door Height, Add	254.72	
08 17 23 00-0134 EA Pair 2'-6" x 7' x 1-3/4" Prehung Solid Core, Oak Or Maple Faced Door.....	1,266.76	99.47
For Each 1' Of Additional Door Height, Add	256.27	
08 17 23 00-0135 EA Pair 3' x 7' x 1-3/4" Prehung Solid Core, Oak Or Maple Faced Door.....	1,349.49	106.26
For Each 1' Of Additional Door Height, Add	272.88	
08 17 23 00-0136 Walnut Faced <small>(08 17 23 00-0095)</small>		

08 Openings**08 10 Doors And Frames****08 17 Integrated Door Opening Assemblies**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 17 23 00-0137 EA 2'-0" Or 2'-4" x 7' x 1-3/4" Prehung Solid Core, Walnut Faced Door.....	809.43	56.51
For Each 1' Of Additional Door Height, Add	167.13	
08 17 23 00-0138 EA 2'-6" x 7' x 1-3/4" Prehung Solid Core, Walnut Faced Door.....	838.38	56.51
For Each 1' Of Additional Door Height, Add	174.08	
08 17 23 00-0139 EA 2'-8" x 7' x 1-3/4" Prehung Solid Core, Walnut Faced Door.....	852.59	58.78
For Each 1' Of Additional Door Height, Add	176.41	
08 17 23 00-0140 EA 3' x 7' x 1-3/4" Prehung Solid Core, Walnut Faced Door.....	886.12	61.04
For Each 1' Of Additional Door Height, Add	183.37	
08 17 23 00-0141 EA 3'-4" x 7' x 1-3/4" Prehung Solid Core, Walnut Faced Door.....	970.18	61.04
For Each 1' Of Additional Door Height, Add	203.54	
08 17 23 00-0142 EA 3'-6" x 7' x 1-3/4" Prehung Solid Core, Walnut Faced Door.....	1,059.57	63.30
For Each 1' Of Additional Door Height, Add	223.91	
08 17 23 00-0143 EA Pair 2' x 7' x 1-3/4" Prehung Solid Core, Walnut Faced Door.....	1,578.15	92.69
For Each 1' Of Additional Door Height, Add	334.26	
08 17 23 00-0144 EA Pair 2'-6" x 7' x 1-3/4" Prehung Solid Core, Walnut Faced Door.....	1,649.61	99.47
For Each 1' Of Additional Door Height, Add	348.16	
08 17 23 00-0145 EA Pair 3' x 7' x 1-3/4" Prehung Solid Core, Walnut Faced Door.....	1,740.59	106.26
For Each 1' Of Additional Door Height, Add	366.74	

08 30 Specialty Doors And Frames (08)**08 31 Access Doors And Panels (08 30)**

See CSI section 07 72 33 00-0000 for roof hatches, 23 33 33 00-0000 for duct-mounted access doors.

08 31 13 Access Doors And Frames (08 31)**08 31 13 00-0001 Stainless Steel Access Doors (08 31 13)****08 31 13 00-0002 Fire Rated Stainless Steel Access Doors (08 31 13 00-0001)**

08 31 13 00-0003 EA 12" x 12" Fire Rated Stainless Steel Access Door With Cam Latch.....	360.08	56.29
08 31 13 00-0004 EA 12" x 18" Fire Rated Stainless Steel Access Door With Cam Latch.....	417.46	59.97
08 31 13 00-0005 EA 18" x 18" Fire Rated Stainless Steel Access Door With Cam Latch.....	485.57	63.43
08 31 13 00-0006 EA 24" x 18" Fire Rated Stainless Steel Access Door With Cam Latch.....	558.64	66.65
08 31 13 00-0007 EA 24" x 24" Fire Rated Stainless Steel Access Door With Cam Latch.....	571.13	66.99
08 31 13 00-0008 EA 24" x 36" Fire Rated Stainless Steel Access Door With Cam Latch.....	738.25	69.06

08 31 13 00-0009 Stainless Steel Access Doors (08 31 13 00-0001)

08 31 13 00-0010 EA 8" x 8" Stainless Steel Access Door With Cam Latch.....	153.25	43.17
08 31 13 00-0011 EA 12" x 12" Stainless Steel Access Door With Cam Latch.....	181.12	56.29
08 31 13 00-0012 EA 12" x 18" Stainless Steel Access Door With Cam Latch.....	251.76	59.97
08 31 13 00-0013 EA 18" x 18" Stainless Steel Access Door With Cam Latch.....	269.94	63.43
08 31 13 00-0014 EA 24" x 18" Stainless Steel Access Door With Cam Latch.....	311.27	66.65
08 31 13 00-0015 EA 24" x 24" Stainless Steel Access Door With Cam Latch.....	352.01	66.99

08 31 13 00-0016 Steel Access Doors (08 31 13)

Note: Includes paintable powder coated finish.

08 31 13 00-0017 Fire Rated Steel Access Doors (08 31 13 00-0016)

08 31 13 00-0018 EA 12" x 12" Fire Rated Steel Access Door With Cam Latch.....	207.92	56.63
08 31 13 00-0019 EA 12" x 18" Fire Rated Steel Access Door With Cam Latch.....	251.77	59.97
08 31 13 00-0020 EA 18" x 18" Fire Rated Steel Access Door With Cam Latch.....	253.57	63.43
08 31 13 00-0021 EA 24" x 18" Fire Rated Steel Access Door With Cam Latch.....	296.51	66.99
08 31 13 00-0022 EA 24" x 24" Fire Rated Steel Access Door With Cam Latch.....	308.25	66.99
08 31 13 00-0023 EA 24" x 36" Fire Rated Steel Access Door With Cam Latch.....	404.20	69.06
08 31 13 00-0024 EA 24" x 48" Fire Rated Steel Access Door With Cam Latch.....	460.82	71.95
08 31 13 00-0025 EA 36" x 36" Fire Rated Steel Access Door With Cam Latch.....	557.97	71.95
08 31 13 00-0026 EA 48" x 48" Fire Rated Steel Access Door With Cam Latch.....	711.92	86.33

08 31 13 00-0027 Steel Access Doors (08 31 13 00-0016)

08 31 13 00-0028 EA 8" x 8" Steel Access Door With Cam Latch.....	119.96	43.40
08 31 13 00-0029 EA 12" x 12" Steel Access Door With Cam Latch.....	128.36	56.63
08 31 13 00-0030 EA 12" x 18" Steel Access Door With Cam Latch.....	144.84	59.97
08 31 13 00-0031 EA 18" x 18" Steel Access Door With Cam Latch.....	149.90	63.43
08 31 13 00-0032 EA 24" x 18" Steel Access Door With Cam Latch.....	173.27	66.99
08 31 13 00-0033 EA 24" x 24" Steel Access Door With Cam Latch.....	176.51	66.99
08 31 13 00-0034 EA 24" x 36" Steel Access Door With Cam Latch.....	227.47	69.06
08 31 13 00-0035 EA 36" x 36" Steel Access Door With Cam Latch.....	287.24	71.95

08 31 13 00-0036 Steel Recessed Access Doors For Drywall Application (08 31 13)

Note: Includes paintable powder coated finish.

08 31 13 00-0037 EA 8" x 8" Recessed Steel Access Door With Cam Latch.....	158.71	43.17
For Recessed Doors In Acoustical Tile, Add	23.68	
08 31 13 00-0038 EA 12" x 12" Recessed Steel Access Door With Cam Latch.....	166.83	46.27
For Recessed Doors In Acoustical Tile, Add	25.85	
08 31 13 00-0039 EA 12" x 18" Recessed Steel Access Door With Cam Latch.....	178.79	48.92
For Recessed Doors In Acoustical Tile, Add	27.02	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	08 31	13 00-0040	EA	18" x 18" Recessed Steel Access Door With Cam Latch..... <i>For Recessed Doors In Acoustical Tile, Add</i>	205.97 26.08	51.80
	08 31	13 00-0041	EA	24" x 18" Recessed Steel Access Door With Cam Latch..... <i>For Recessed Doors In Acoustical Tile, Add</i>	216.84 27.63	54.68
	08 31	13 00-0042	EA	24" x 24" Recessed Steel Access Door With Cam Latch..... <i>For Recessed Doors In Acoustical Tile, Add</i>	233.91 25.07	54.68
	08 31	13 00-0043	EA	24" x 36" Recessed Steel Access Door With Cam Latch..... <i>For Recessed Doors In Acoustical Tile, Add</i>	292.02 32.17	69.06
	08 31	13 00-0044	EA	36" x 36" Recessed Steel Access Door With Cam Latch..... <i>For Recessed Doors In Acoustical Tile, Add</i>	399.15 19.27	71.95
	08 31	13 00-0045		Steel Crawl Space Doors And Frames (08 31 13) Note: Includes paintable powder coated finish.		
	08 31	13 00-0046	EA	24" x 24" Steel Crawl Space Door With Cam Latch.....	185.92	72.86
	08 31	13 00-0047	EA	30" x 24" Steel Crawl Space Door With Cam Latch.....	254.11	88.29
	08 31	13 00-0048	EA	30" x 30" Steel Crawl Space Door With Cam Latch.....	283.29	95.89
08 32				Sliding Glass Doors (08 30) Note: Includes stock frames, trim, necessary anchors and Usual hardware.		
	08 32	13		Sliding Aluminum-Framed Glass Doors (08 32)		
	08 32	13 00-0001		Residential Sliding Aluminum-Framed Glass Doors (08 32 13)		
	08 32	13 00-0002		5/8" Insulating Glass, Sliding Aluminum-Framed Glass Doors (08 32 13 00-0001)		
	08 32	13 00-0003	SF	Up To 6' Wide Sliding Glass Door 5/8" Insulated Glass With Frame, Trim, Hardware..... <i>For Custom Quality, Add</i> <i>For Tempered Glass, Add</i> <i>For Anodized Or Colored Aluminum Frames, Add</i>	21.49 2.68 1.42 1.93	4.07
	08 32	13 00-0004	SF	>6' Up To 12' Wide Sliding Glass Door 5/8" Insulated Glass With Frame, Trim, Hardware..... <i>For Custom Quality, Add</i> <i>For Tempered Glass, Add</i> <i>For Anodized Or Colored Aluminum Frames, Add</i>	16.54 2.57 1.42 1.85	2.53
	08 32	13 00-0005		1" Insulating Glass, Sliding Aluminum-Framed Glass Doors (08 32 13 00-0001)		
	08 32	13 00-0006	SF	>6' Up To 12' Wide Sliding Glass Door 1" Insulated Glass With Frame, Trim, Hardware..... <i>For Custom Quality, Add</i> <i>For Tempered Glass, Add</i> <i>For Anodized Or Colored Aluminum Frames, Add</i>	23.41 3.16 1.42 2.28	4.07
	08 32	13 00-0007	SF	>6' Up To 12' Wide Sliding Glass Door 1" Insulated Glass With Frame, Trim, Hardware..... <i>For Custom Quality, Add</i> <i>For Tempered Glass, Add</i> <i>For Anodized Or Colored Aluminum Frames, Add</i>	18.43 3.04 1.42 2.19	2.53
	08 32	19		Sliding Wood-Framed Glass Doors (08 32)		
	08 32	19 00-0001		Residential Wood Sliding Doors With 5/8" Glass (08 32 19)		
	08 32	19 00-0002	EA	6' x 6' 8" Sliding Glass Door, Wood, 5/8" Insulated Glass With Frame, Trim, Hardware	1,943.68	122.08
	08 32	19 00-0003	EA	8' x 6' 8" Sliding Glass Door, Wood, 5/8" Insulated Glass With Frame, Trim, Hardware	2,372.77	149.21
	08 32	19 00-0004	EA	9' x 6' 8" Sliding Glass Door, Wood, 5/8" Insulated Glass With Frame, Trim, Hardware	2,742.01	171.81
	08 32	19 00-0005	EA	6' x 6' 8" Sliding Glass Door, Wood, 5/8" Insulated Glass With Grille, Frame, Trim, Hardware	2,141.43	122.08
	08 32	19 00-0006	EA	8' x 6' 8" Sliding Glass Door, Wood, 5/8" Insulated Glass With Grille, Frame, Trim, Hardware	2,628.17	149.21
	08 32	19 00-0007	EA	9' x 6' 8" Sliding Glass Door, Wood, 5/8" Insulated Glass With Grille, Frame, Trim, Hardware	3,058.09	171.81
08 33				Coiling Doors And Grilles (08 30)		
	08 33	13		Coiling Counter Doors (08 33)		
	08 33	13 00-0001		Aluminum Overhead Coiling Counter Shutters (08 33 13) Note: Includes necessary anchors, track and hardware. Includes clear anodized aluminum finish. Excludes steel framing supports.		
	08 33	13 00-0002	EA	4' x 4', Aluminum Overhead Coiling Counter Shutters, Manual Lift..... <i>For Steel Doors, Deduct</i> <i>For Stainless Steel Doors, Add</i> <i>For Fire Rated, Add</i> <i>For Motor Operator (With Safety Reverse), Add</i>	1,862.69 -35.00 78.00 65.00 739.49	357.95
	08 33	13 00-0003	EA	6' x 4', Aluminum Overhead Coiling Counter Shutters, Manual Lift..... <i>For Steel Doors, Deduct</i> <i>For Stainless Steel Doors, Add</i> <i>For Fire Rated, Add</i> <i>For Motor Operator (With Safety Reverse), Add</i>	2,069.26 -71.00 130.00 65.00 739.49	357.95
	08 33	13 00-0004	EA	8' x 4', Aluminum Overhead Coiling Counter Shutters, Manual Lift..... <i>For Steel Doors, Deduct</i> <i>For Stainless Steel Doors, Add</i> <i>For Fire Rated, Add</i> <i>For Motor Operator (With Safety Reverse), Add</i>	2,320.95 -115.00 225.00 65.00 744.00	380.31

08 Openings**08 30 Specialty Doors And Frames****08 33 Coiling Doors And Grilles**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 13 00-0005	EA		10' x 4', Aluminum Overhead Coiling Counter Shutters, Manual Lift.....	2,700.54	447.43
			<i>For Steel Doors, Deduct</i>	-142.00	
			<i>For Stainless Steel Doors, Add</i>	315.00	
			<i>For Fire Rated, Add</i>	65.00	
			<i>For Motor Operator (With Safety Reverse), Add</i>	761.30	
08 33 13 00-0006	EA		4' x 6', Aluminum Overhead Coiling Counter Shutters, Manual Lift.....	2,022.08	357.95
			<i>For Steel Doors, Deduct</i>	-40.00	
			<i>For Stainless Steel Doors, Add</i>	85.00	
			<i>For Fire Rated, Add</i>	65.00	
			<i>For Motor Operator (With Safety Reverse), Add</i>	739.49	
08 33 13 00-0007	EA		6' x 6', Aluminum Overhead Coiling Counter Shutters, Manual Lift.....	2,328.08	397.68
			<i>For Steel Doors, Deduct</i>	-80.00	
			<i>For Stainless Steel Doors, Add</i>	145.00	
			<i>For Fire Rated, Add</i>	65.00	
			<i>For Motor Operator (With Safety Reverse), Add</i>	749.43	
08 33 13 00-0008	EA		10' x 6', Aluminum Overhead Coiling Counter Shutters, Manual Lift.....	2,865.50	447.43
			<i>For Steel Doors, Deduct</i>	-156.00	
			<i>For Stainless Steel Doors, Add</i>	240.00	
			<i>For Fire Rated, Add</i>	65.00	
			<i>For Motor Operator (With Safety Reverse), Add</i>	761.86	
08 33 13 00-0009			Integral Frame And Sill, Aluminum Overhead Coiling Counter Shutters (08 33 13)		
			Note: Includes stainless steel frame and sill, necessary anchors, track and hardware. Includes clear anodized aluminum finish. Excludes steel framing supports.		
08 33 13 00-0010	EA		4' x 4', Integral Frame And Sill, Aluminum Overhead Coiling Counter Shutters, Manual Lift	6,149.69	357.95
			<i>For Steel Doors, Deduct</i>	-35.00	
			<i>For Stainless Steel Doors, Add</i>	78.00	
			<i>For Fire Rated, Add</i>	65.00	
			<i>For Motor Operator (With Safety Reverse), Add</i>	739.49	
08 33 13 00-0011	EA		6' x 4', Integral Frame And Sill, Aluminum Overhead Coiling Counter Shutters, Manual Lift	6,521.77	357.95
			<i>For Steel Doors, Deduct</i>	-71.00	
			<i>For Stainless Steel Doors, Add</i>	130.00	
			<i>For Fire Rated, Add</i>	65.00	
			<i>For Motor Operator (With Safety Reverse), Add</i>	739.49	
08 33 13 00-0012	EA		8' x 4', Integral Frame And Sill, Aluminum Overhead Coiling Counter Shutters, Manual Lift	6,952.96	380.31
			<i>For Steel Doors, Deduct</i>	-115.00	
			<i>For Stainless Steel Doors, Add</i>	225.00	
			<i>For Fire Rated, Add</i>	65.00	
			<i>For Motor Operator (With Safety Reverse), Add</i>	744.00	
08 33 13 00-0013	EA		10' x 4', Integral Frame And Sill, Aluminum Overhead Coiling Counter Shutters, Manual Lift	7,536.12	447.43
			<i>For Steel Doors, Deduct</i>	-142.00	
			<i>For Stainless Steel Doors, Add</i>	315.00	
			<i>For Fire Rated, Add</i>	65.00	
			<i>For Motor Operator (With Safety Reverse), Add</i>	761.30	
08 33 13 00-0014	EA		4' x 6', Integral Frame And Sill, Aluminum Overhead Coiling Counter Shutters, Manual Lift	6,368.23	357.95
			<i>For Steel Doors, Deduct</i>	-40.00	
			<i>For Stainless Steel Doors, Add</i>	85.00	
			<i>For Fire Rated, Add</i>	65.00	
			<i>For Motor Operator (With Safety Reverse), Add</i>	739.49	
08 33 13 00-0015	EA		6' x 6', Integral Frame And Sill, Aluminum Overhead Coiling Counter Shutters, Manual Lift	6,810.42	397.68
			<i>For Steel Doors, Deduct</i>	-80.00	
			<i>For Stainless Steel Doors, Add</i>	145.00	
			<i>For Fire Rated, Add</i>	65.00	
			<i>For Motor Operator (With Safety Reverse), Add</i>	749.43	
08 33 13 00-0016	EA		10' x 6', Integral Frame And Sill, Aluminum Overhead Coiling Counter Shutters, Manual Lift	7,992.77	447.43
			<i>For Steel Doors, Deduct</i>	-156.00	
			<i>For Stainless Steel Doors, Add</i>	240.00	
			<i>For Fire Rated, Add</i>	65.00	
			<i>For Motor Operator (With Safety Reverse), Add</i>	761.86	
08 33 23			Overhead Coiling Doors (08 33)		
08 33 23 00-0001			Galvanized Steel Overhead Coiling Doors (Width x Height) (08 33 23)		
08 33 23 00-0002			26 Gauge Galvanized Steel Overhead Coiling Doors, Storage Unit Style (08 33 23 00-0001)		
08 33 23 00-0003	EA		4' x 7', 26 Gauge Galvanized Steel Overhead Coiling Door, Manual Lift	708.02	248.67
08 33 23 00-0004	EA		4' x 8', 26 Gauge Galvanized Steel Overhead Coiling Door, Manual Lift	782.27	271.29
08 33 23 00-0005	EA		5' x 7', 26 Gauge Galvanized Steel Overhead Coiling Door, Manual Lift	778.88	271.29
08 33 23 00-0006	EA		5' x 8', 26 Gauge Galvanized Steel Overhead Coiling Door, Manual Lift	857.62	293.89
08 33 23 00-0007	EA		6' x 7', 26 Gauge Galvanized Steel Overhead Coiling Door, Manual Lift	849.80	293.89
08 33 23 00-0008	EA		6' x 8', 26 Gauge Galvanized Steel Overhead Coiling Door, Manual Lift	928.15	316.49
08 33 23 00-0009	EA		6' x 9', 26 Gauge Galvanized Steel Overhead Coiling Door, Manual Lift	1,019.46	339.11
08 33 23 00-0010	EA		8' x 7', 26 Gauge Galvanized Steel Overhead Coiling Door, Manual Lift	895.50	293.89
08 33 23 00-0011	EA		8' x 8', 26 Gauge Galvanized Steel Overhead Coiling Door, Manual Lift	965.04	316.49
08 33 23 00-0012	EA		8' x 9', 26 Gauge Galvanized Steel Overhead Coiling Door, Manual Lift	1,045.28	339.11
08 33 23 00-0013	EA		8' x 10', 26 Gauge Galvanized Steel Overhead Coiling Door, Manual Lift	1,158.22	361.71
08 33 23 00-0014	EA		10' x 7', 26 Gauge Galvanized Steel Overhead Coiling Door, Manual Lift	1,085.76	361.71
08 33 23 00-0015	EA		10' x 8', 26 Gauge Galvanized Steel Overhead Coiling Door, Manual Lift	1,135.93	361.71
08 33 23 00-0016	EA		10' x 9', 26 Gauge Galvanized Steel Overhead Coiling Door, Manual Lift	1,248.08	384.31
08 33 23 00-0017	EA		10' x 10', 26 Gauge Galvanized Steel Overhead Coiling Door, Manual Lift	1,327.74	406.93



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 23 00-0018				24 Gauge Galvanized Steel Overhead Coiling Doors (08 33 23 00-0001)		
				Note: With curtain hood (barrel cover).		
08 33 23 00-0019	EA			8' x 7', 24 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	2,188.60	293.89
				<i>For Insulated, Add</i>	1,244.70	
08 33 23 00-0020	EA			8' x 8', 24 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	2,289.15	316.49
				<i>For Insulated, Add</i>	1,289.59	
08 33 23 00-0021	EA			8' x 10', 24 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	2,541.86	361.71
				<i>For Insulated, Add</i>	1,418.09	
08 33 23 00-0022	EA			8' x 12', 24 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	2,710.67	361.71
				<i>For Insulated, Add</i>	1,544.69	
08 33 23 00-0023	EA			10' x 7', 24 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	2,478.73	361.71
				<i>For Insulated, Add</i>	1,370.74	
08 33 23 00-0024	EA			10' x 8', 24 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	2,604.92	361.71
				<i>For Insulated, Add</i>	1,465.38	
08 33 23 00-0025	EA			10' x 10', 24 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	2,821.44	406.93
				<i>For Insulated, Add</i>	1,566.79	
08 33 23 00-0026	EA			10' x 12', 24 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	3,003.30	406.93
				<i>For Insulated, Add</i>	1,703.19	
08 33 23 00-0027	EA			12' x 7', 24 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	2,734.39	406.93
				<i>For Insulated, Add</i>	1,501.50	
08 33 23 00-0028	EA			12' x 8', 24 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	2,971.10	452.14
				<i>For Insulated, Add</i>	1,617.94	
08 33 23 00-0029	EA			12' x 10', 24 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	3,343.38	565.17
				<i>For Insulated, Add</i>	1,744.56	
08 33 23 00-0030	EA			12' x 12', 24 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	3,609.03	565.17
				<i>For Insulated, Add</i>	1,943.79	
08 33 23 00-0031	EA			14' x 8', 24 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	3,581.36	565.17
				<i>For Insulated, Add</i>	1,923.04	
08 33 23 00-0032	EA			14' x 10', 24 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	3,885.66	565.17
				<i>For Insulated, Add</i>	2,151.27	
08 33 23 00-0033	EA			14' x 12', 24 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	4,208.41	565.17
				<i>For Insulated, Add</i>	2,393.33	
08 33 23 00-0034				22 Gauge Galvanized Steel Overhead Coiling Doors (08 33 23 00-0001)		
				Note: With curtain hood (barrel cover).		
08 33 23 00-0035	EA			4' x 8', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	1,921.84	271.29
				<i>For 20 Gauge Galvanized Steel Overhead Coiling Door, Add</i>	206.90	
				<i>For 18 Gauge Galvanized Steel Overhead Coiling Door, Add</i>	344.83	
				<i>For Insulated, Add</i>	1,075.18	
08 33 23 00-0036	EA			4' x 10', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	2,105.05	293.89
				<i>For 20 Gauge Galvanized Steel Overhead Coiling Door, Add</i>	227.59	
				<i>For 18 Gauge Galvanized Steel Overhead Coiling Door, Add</i>	379.31	
				<i>For Insulated, Add</i>	1,182.02	
08 33 23 00-0037	EA			4' x 12', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	2,241.41	316.49
				<i>For 20 Gauge Galvanized Steel Overhead Coiling Door, Add</i>	241.25	
				<i>For 18 Gauge Galvanized Steel Overhead Coiling Door, Add</i>	402.09	
				<i>For Insulated, Add</i>	1,253.74	
08 33 23 00-0038	EA			6' x 8', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	2,121.39	293.89
				<i>For 20 Gauge Galvanized Steel Overhead Coiling Door, Add</i>	230.04	
				<i>For 18 Gauge Galvanized Steel Overhead Coiling Door, Add</i>	383.40	
				<i>For Insulated, Add</i>	1,194.28	
08 33 23 00-0039	EA			6' x 10', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	2,320.01	316.49
				<i>For 20 Gauge Galvanized Steel Overhead Coiling Door, Add</i>	253.04	
				<i>For 18 Gauge Galvanized Steel Overhead Coiling Door, Add</i>	421.74	
				<i>For Insulated, Add</i>	1,312.69	
08 33 23 00-0040	EA			6' x 12', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	2,551.28	361.71
				<i>For 20 Gauge Galvanized Steel Overhead Coiling Door, Add</i>	274.18	
				<i>For 18 Gauge Galvanized Steel Overhead Coiling Door, Add</i>	456.97	
				<i>For Insulated, Add</i>	1,425.15	
08 33 23 00-0041	EA			6' x 14', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	3,075.36	406.93
				<i>For 20 Gauge Galvanized Steel Overhead Coiling Door, Add</i>	339.24	
				<i>For 18 Gauge Galvanized Steel Overhead Coiling Door, Add</i>	565.40	
				<i>For Insulated, Add</i>	1,757.22	
08 33 23 00-0042	EA			6' x 16', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	3,599.56	452.14
				<i>For 20 Gauge Galvanized Steel Overhead Coiling Door, Add</i>	404.29	
				<i>For 18 Gauge Galvanized Steel Overhead Coiling Door, Add</i>	673.82	
				<i>For Insulated, Add</i>	2,089.29	
08 33 23 00-0043	EA			8' x 8', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	2,283.86	293.89
				<i>For 20 Gauge Galvanized Steel Overhead Coiling Door, Add</i>	254.41	
				<i>For 18 Gauge Galvanized Steel Overhead Coiling Door, Add</i>	424.02	
				<i>For Insulated, Add</i>	1,316.13	
08 33 23 00-0044	EA			8' x 10', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	2,589.07	361.71
				<i>For 20 Gauge Galvanized Steel Overhead Coiling Door, Add</i>	279.85	
				<i>For 18 Gauge Galvanized Steel Overhead Coiling Door, Add</i>	466.41	
				<i>For Insulated, Add</i>	1,453.49	
08 33 23 00-0045	EA			8' x 12', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	2,924.21	452.14
				<i>For 20 Gauge Galvanized Steel Overhead Coiling Door, Add</i>	302.99	
				<i>For 18 Gauge Galvanized Steel Overhead Coiling Door, Add</i>	504.99	
				<i>For Insulated, Add</i>	1,582.78	
08 33 23 00-0046	EA			8' x 14', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	3,428.84	497.35
				<i>For 20 Gauge Galvanized Steel Overhead Coiling Door, Add</i>	365.14	
				<i>For 18 Gauge Galvanized Steel Overhead Coiling Door, Add</i>	608.57	
				<i>For Insulated, Add</i>	1,900.29	

08 Openings**08 30 Specialty Doors And Frames****08 33 Coiling Doors And Grilles**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 23 00-0047 EA 8' x 16', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	3,933.86	542.56
For 20 Gauge Galvanized Steel Overhead Coiling Door, Add	427.28	
For 18 Gauge Galvanized Steel Overhead Coiling Door, Add	712.14	
For Insulated, Add	2,217.81	
08 33 23 00-0048 EA 10' x 10', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	2,976.80	463.44
For 20 Gauge Galvanized Steel Overhead Coiling Door, Add	307.49	
For 18 Gauge Galvanized Steel Overhead Coiling Door, Add	512.48	
For Insulated, Add	1,606.94	
08 33 23 00-0049 EA 10' x 12', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	3,408.78	565.17
For 20 Gauge Galvanized Steel Overhead Coiling Door, Add	341.77	
For 18 Gauge Galvanized Steel Overhead Coiling Door, Add	569.61	
For Insulated, Add	1,793.61	
08 33 23 00-0050 EA 10' x 14', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	4,068.18	678.20
For 20 Gauge Galvanized Steel Overhead Coiling Door, Add	406.81	
For 18 Gauge Galvanized Steel Overhead Coiling Door, Add	678.01	
For Insulated, Add	2,135.74	
08 33 23 00-0051 EA 10' x 16', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	4,773.20	813.85
For 20 Gauge Galvanized Steel Overhead Coiling Door, Add	471.85	
For 18 Gauge Galvanized Steel Overhead Coiling Door, Add	786.41	
For Insulated, Add	2,481.30	
08 33 23 00-0052 EA 10' x 18', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	5,517.10	994.71
For 20 Gauge Galvanized Steel Overhead Coiling Door, Add	529.06	
For 18 Gauge Galvanized Steel Overhead Coiling Door, Add	881.77	
For Insulated, Add	2,794.55	
08 33 23 00-0053 EA 10' x 20', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	6,078.03	1,085.13
For 20 Gauge Galvanized Steel Overhead Coiling Door, Add	586.27	
For 18 Gauge Galvanized Steel Overhead Coiling Door, Add	977.12	
For Insulated, Add	3,094.07	
08 33 23 00-0054 EA 10' x 22', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	6,639.86	1,175.56
For 20 Gauge Galvanized Steel Overhead Coiling Door, Add	643.48	
For 18 Gauge Galvanized Steel Overhead Coiling Door, Add	1,072.47	
For Insulated, Add	3,393.66	
08 33 23 00-0055 EA 10' x 24', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	7,201.23	1,265.98
For 20 Gauge Galvanized Steel Overhead Coiling Door, Add	700.45	
For 18 Gauge Galvanized Steel Overhead Coiling Door, Add	1,167.42	
For Insulated, Add	3,692.12	
08 33 23 00-0056 EA 12' x 10', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	3,379.07	542.56
For 20 Gauge Galvanized Steel Overhead Coiling Door, Add	344.06	
For 18 Gauge Galvanized Steel Overhead Coiling Door, Add	573.44	
For Insulated, Add	1,801.72	
08 33 23 00-0057 EA 12' x 12', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	3,886.94	678.20
For 20 Gauge Galvanized Steel Overhead Coiling Door, Add	379.62	
For 18 Gauge Galvanized Steel Overhead Coiling Door, Add	632.70	
For Insulated, Add	1,999.81	
08 33 23 00-0058 EA 12' x 14', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	4,641.85	768.63
For 20 Gauge Galvanized Steel Overhead Coiling Door, Add	465.75	
For 18 Gauge Galvanized Steel Overhead Coiling Door, Add	776.25	
For Insulated, Add	2,444.02	
08 33 23 00-0059 EA 12' x 16', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	5,487.76	904.27
For 20 Gauge Galvanized Steel Overhead Coiling Door, Add	551.88	
For 18 Gauge Galvanized Steel Overhead Coiling Door, Add	919.80	
For Insulated, Add	2,895.05	
08 33 23 00-0060 EA 12' x 18', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	6,343.29	1,085.13
For 20 Gauge Galvanized Steel Overhead Coiling Door, Add	626.06	
For 18 Gauge Galvanized Steel Overhead Coiling Door, Add	1,043.43	
For Insulated, Add	3,293.01	
08 33 23 00-0061 EA 12' x 20', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	7,018.23	1,175.56
For 20 Gauge Galvanized Steel Overhead Coiling Door, Add	700.24	
For 18 Gauge Galvanized Steel Overhead Coiling Door, Add	1,167.06	
For Insulated, Add	3,677.44	
08 33 23 00-0062 EA 12' x 22', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	7,785.38	1,311.20
For 20 Gauge Galvanized Steel Overhead Coiling Door, Add	774.42	
For 18 Gauge Galvanized Steel Overhead Coiling Door, Add	1,290.69	
For Insulated, Add	4,068.77	
08 33 23 00-0063 EA 12' x 24', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	8,551.88	1,446.84
For 20 Gauge Galvanized Steel Overhead Coiling Door, Add	848.59	
For 18 Gauge Galvanized Steel Overhead Coiling Door, Add	1,414.32	
For Insulated, Add	4,460.05	
08 33 23 00-0064 20 Gauge Galvanized Steel Overhead Coiling Doors (08 33 23 00-0001)		
Note: With curtain hood (barrel cover)		
08 33 23 00-0065 EA 14' x 10', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	4,287.46	678.20
For 18 Gauge Galvanized Steel Overhead Coiling Door, Add	439.70	
For Insulated, Add	2,300.20	
08 33 23 00-0066 EA 14' x 12', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	4,866.17	768.63
For 18 Gauge Galvanized Steel Overhead Coiling Door, Add	499.40	
For Insulated, Add	2,612.26	
08 33 23 00-0067 EA 14' x 14', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	5,551.05	859.06
For 18 Gauge Galvanized Steel Overhead Coiling Door, Add	574.98	
For Insulated, Add	3,003.74	
08 33 23 00-0068 EA 14' x 16', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	6,170.63	949.49
For 18 Gauge Galvanized Steel Overhead Coiling Door, Add	640.64	
For Insulated, Add	3,345.65	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 23 00-0069	EA		14' x 18', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift <i>For 18 Gauge Galvanized Steel Overhead Coiling Door, Add For Insulated, Add</i>	7,005.44 711.71 3,728.11	1,130.34
08 33 23 00-0070	EA		14' x 20', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift <i>For 18 Gauge Galvanized Steel Overhead Coiling Door, Add For Insulated, Add</i>	7,659.28 782.69 4,096.55	1,220.78
08 33 23 00-0071	EA		14' x 22', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift <i>For 18 Gauge Galvanized Steel Overhead Coiling Door, Add For Insulated, Add</i>	9,120.10 960.93 5,008.18	1,356.41
08 33 23 00-0072	EA		14' x 24', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift <i>For 18 Gauge Galvanized Steel Overhead Coiling Door, Add For Insulated, Add</i>	10,576.88 1,139.17 5,919.51	1,492.05
08 33 23 00-0073	EA		16' x 10', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift <i>For 18 Gauge Galvanized Steel Overhead Coiling Door, Add For Insulated, Add</i>	5,293.49 549.89 2,871.51	813.85
08 33 23 00-0074	EA		16' x 12', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift <i>For 18 Gauge Galvanized Steel Overhead Coiling Door, Add For Insulated, Add</i>	5,943.68 620.27 3,236.99	904.27
08 33 23 00-0075	EA		16' x 14', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift <i>For 18 Gauge Galvanized Steel Overhead Coiling Door, Add For Insulated, Add</i>	6,619.67 680.99 3,560.92	1,039.91
08 33 23 00-0076	EA		16' x 16', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift <i>For 18 Gauge Galvanized Steel Overhead Coiling Door, Add For Insulated, Add</i>	7,313.33 744.50 3,898.76	1,175.56
08 33 23 00-0077	EA		16' x 18', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift <i>For 18 Gauge Galvanized Steel Overhead Coiling Door, Add For Insulated, Add</i>	7,972.00 816.07 4,270.20	1,265.98
08 33 23 00-0078	EA		16' x 20', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift <i>For 18 Gauge Galvanized Steel Overhead Coiling Door, Add For Insulated, Add</i>	8,732.87 902.84 4,717.76	1,356.41
08 33 23 00-0079	EA		16' x 22', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift <i>For 18 Gauge Galvanized Steel Overhead Coiling Door, Add For Insulated, Add</i>	9,854.28 1,043.95 5,436.85	1,446.84
08 33 23 00-0080	EA		16' x 24', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift <i>For 18 Gauge Galvanized Steel Overhead Coiling Door, Add For Insulated, Add</i>	10,985.93 1,186.52 6,163.30	1,537.27
08 33 23 00-0081	EA		18' x 10', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift <i>For 18 Gauge Galvanized Steel Overhead Coiling Door, Add For Insulated, Add</i>	5,828.65 575.79 3,028.21	994.71
08 33 23 00-0082	EA		18' x 12', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift <i>For 18 Gauge Galvanized Steel Overhead Coiling Door, Add For Insulated, Add</i>	6,415.56 636.90 3,347.22	1,085.13
08 33 23 00-0083	EA		18' x 14', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift <i>For 18 Gauge Galvanized Steel Overhead Coiling Door, Add For Insulated, Add</i>	7,349.15 736.17 3,863.95	1,220.78
08 33 23 00-0084	EA		18' x 16', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift <i>For 18 Gauge Galvanized Steel Overhead Coiling Door, Add For Insulated, Add</i>	8,158.84 816.74 4,287.23	1,356.41
08 33 23 00-0085	EA		18' x 18', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift <i>For 18 Gauge Galvanized Steel Overhead Coiling Door, Add For Insulated, Add</i>	8,881.65 898.06 4,707.38	1,446.84
08 33 23 00-0086	EA		18' x 20', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift <i>For 18 Gauge Galvanized Steel Overhead Coiling Door, Add For Insulated, Add</i>	9,605.58 979.47 5,128.04	1,537.27
08 33 23 00-0087	EA		18' x 22', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift <i>For 18 Gauge Galvanized Steel Overhead Coiling Door, Add For Insulated, Add</i>	10,909.63 1,147.82 5,983.42	1,627.69
08 33 23 00-0088	EA		18' x 24', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift <i>For 18 Gauge Galvanized Steel Overhead Coiling Door, Add For Insulated, Add</i>	12,239.86 1,320.63 6,860.80	1,718.12
08 33 23 00-0089	EA		20' x 10', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift <i>For 18 Gauge Galvanized Steel Overhead Coiling Door, Add For Insulated, Add</i>	6,535.37 654.87 3,437.07	1,085.13
08 33 23 00-0090	EA		20' x 12', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift <i>For 18 Gauge Galvanized Steel Overhead Coiling Door, Add For Insulated, Add</i>	7,601.62 787.75 4,114.98	1,175.56
08 33 23 00-0091			18 Gauge Galvanized Steel Overhead Coiling Doors <small>(08 33 23 00-0001)</small> Note: With curtain hood (barrel cover).		
08 33 23 00-0092	EA		20' x 14', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift <i>For Insulated, Add</i>	9,011.94 4,988.69	1,311.20
08 33 23 00-0093	EA		20' x 16', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift <i>For Insulated, Add</i>	10,185.11 5,745.58	1,401.63
08 33 23 00-0094	EA		20' x 18', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift <i>For Insulated, Add</i>	11,531.54 6,632.85	1,492.05
08 33 23 00-0095	EA		20' x 20', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift <i>For Insulated, Add</i>	13,041.36 7,643.81	1,582.49
08 33 23 00-0096	EA		20' x 22', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift <i>For Insulated, Add</i>	14,557.08 8,660.46	1,672.91
08 33 23 00-0097	EA		20' x 24', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift <i>For Insulated, Add</i>	16,104.70 9,697.93	1,763.34
08 33 23 00-0098	EA		22' x 10', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift <i>For Insulated, Add</i>	7,296.89 3,886.43	1,175.56

08	Openings
08 30	Specialty Doors And Frames
08 33	Coiling Doors And Grilles



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 23 00-0099	EA		22' x 12', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	8,529.94	1,265.98
			<i>For Insulated, Add</i>	4,688.65	
08 33 23 00-0100	EA		22' x 14', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	10,042.86	1,401.63
			<i>For Insulated, Add</i>	5,638.89	
08 33 23 00-0101	EA		22' x 16', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	11,571.69	1,492.05
			<i>For Insulated, Add</i>	6,665.62	
08 33 23 00-0102	EA		22' x 18', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	13,111.90	1,582.49
			<i>For Insulated, Add</i>	7,696.72	
08 33 23 00-0103	EA		22' x 20', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	14,810.78	1,672.91
			<i>For Insulated, Add</i>	8,850.74	
08 33 23 00-0104	EA		22' x 22', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	16,519.70	1,763.34
			<i>For Insulated, Add</i>	10,009.18	
08 33 23 00-0105	EA		22' x 24', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	18,214.29	1,853.76
			<i>For Insulated, Add</i>	11,159.13	
08 33 23 00-0106	EA		24' x 10', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	7,994.37	1,265.98
			<i>For Insulated, Add</i>	4,286.97	
08 33 23 00-0107	EA		24' x 12', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	8,895.51	1,356.41
			<i>For Insulated, Add</i>	4,839.74	
08 33 23 00-0108	EA		24' x 14', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	10,877.98	1,492.05
			<i>For Insulated, Add</i>	6,145.34	
08 33 23 00-0109	EA		24' x 16', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	12,592.48	1,582.49
			<i>For Insulated, Add</i>	7,307.15	
08 33 23 00-0110	EA		24' x 18', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	14,233.84	1,672.91
			<i>For Insulated, Add</i>	8,418.03	
08 33 23 00-0111	EA		24' x 20', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	16,043.03	1,763.34
			<i>For Insulated, Add</i>	9,651.68	
08 33 23 00-0112	EA		24' x 22', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	18,152.69	1,853.76
			<i>For Insulated, Add</i>	11,112.93	
08 33 23 00-0113	EA		24' x 24', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	20,323.18	1,944.19
			<i>For Insulated, Add</i>	12,615.94	
08 33 23 00-0114			Aluminum Overhead Coiling Doors (Width x Height) (08 33 23)		
08 33 23 00-0115			0.04" Aluminum Overhead Coiling Doors (08 33 23 00-0114)		
08 33 23 00-0116	EA		4' x 8', 0.04" Aluminum Overhead Coiling Door, Chain Lift.....	1,530.90	271.29
08 33 23 00-0117	EA		4' x 10', 0.04" Aluminum Overhead Coiling Door, Chain Lift.....	1,673.08	293.89
08 33 23 00-0118	EA		4' x 12', 0.04" Aluminum Overhead Coiling Door, Chain Lift.....	2,079.92	316.49
08 33 23 00-0119	EA		6' x 8', 0.04" Aluminum Overhead Coiling Door, Chain Lift.....	1,868.91	293.89
08 33 23 00-0120	EA		6' x 10', 0.04" Aluminum Overhead Coiling Door, Chain Lift.....	2,034.06	316.49
08 33 23 00-0121	EA		6' x 12', 0.04" Aluminum Overhead Coiling Door, Chain Lift.....	2,244.33	361.71
08 33 23 00-0122	EA		6' x 14', 0.04" Aluminum Overhead Coiling Door, Chain Lift.....	2,490.56	406.93
08 33 23 00-0123	EA		6' x 16', 0.04" Aluminum Overhead Coiling Door, Chain Lift.....	2,739.54	452.14
08 33 23 00-0124	EA		8' x 8', 0.04" Aluminum Overhead Coiling Door, Chain Lift.....	2,016.88	293.89
08 33 23 00-0125	EA		8' x 10', 0.04" Aluminum Overhead Coiling Door, Chain Lift.....	2,314.77	361.71
08 33 23 00-0126	EA		8' x 12', 0.04" Aluminum Overhead Coiling Door, Chain Lift.....	2,660.42	452.14
08 33 23 00-0127	EA		8' x 14', 0.04" Aluminum Overhead Coiling Door, Chain Lift.....	2,906.78	497.35
08 33 23 00-0128	EA		8' x 16', 0.04" Aluminum Overhead Coiling Door, Chain Lift.....	3,154.41	542.56
08 33 23 00-0129	EA		10' x 10', 0.04" Aluminum Overhead Coiling Door, Chain Lift.....	2,718.34	474.74
08 33 23 00-0130	EA		10' x 12', 0.04" Aluminum Overhead Coiling Door, Chain Lift.....	3,060.27	565.17
08 33 23 00-0131	EA		10' x 14', 0.04" Aluminum Overhead Coiling Door, Chain Lift.....	3,484.72	678.20
08 33 23 00-0132	EA		10' x 16', 0.04" Aluminum Overhead Coiling Door, Chain Lift.....	3,955.90	813.85
08 33 23 00-0133	EA		10' x 18', 0.04" Aluminum Overhead Coiling Door, Chain Lift.....	4,659.98	994.71
08 33 23 00-0134	EA		10' x 20', 0.04" Aluminum Overhead Coiling Door, Chain Lift.....	5,181.01	1,085.13
08 33 23 00-0135	EA		10' x 22', 0.04" Aluminum Overhead Coiling Door, Chain Lift.....	5,699.68	1,175.56
08 33 23 00-0136	EA		10' x 24', 0.04" Aluminum Overhead Coiling Door, Chain Lift.....	6,220.47	1,265.98
08 33 23 00-0137	EA		12' x 10', 0.04" Aluminum Overhead Coiling Door, Chain Lift.....	3,011.20	542.56
08 33 23 00-0138	EA		12' x 12', 0.04" Aluminum Overhead Coiling Door, Chain Lift.....	3,671.07	678.20
08 33 23 00-0139	EA		12' x 14', 0.04" Aluminum Overhead Coiling Door, Chain Lift.....	4,154.97	768.63
08 33 23 00-0140	EA		12' x 16', 0.04" Aluminum Overhead Coiling Door, Chain Lift.....	4,731.70	904.27
08 33 23 00-0141	EA		12' x 18', 0.04" Aluminum Overhead Coiling Door, Chain Lift.....	5,505.89	1,085.13
08 33 23 00-0142	EA		12' x 20', 0.04" Aluminum Overhead Coiling Door, Chain Lift.....	6,101.05	1,175.56
08 33 23 00-0143	EA		12' x 22', 0.04" Aluminum Overhead Coiling Door, Chain Lift.....	6,560.18	1,311.20
08 33 23 00-0144	EA		12' x 24', 0.04" Aluminum Overhead Coiling Door, Chain Lift.....	7,020.78	1,446.84
08 33 23 00-0145			0.05" Aluminum Overhead Coiling Doors (08 33 23 00-0114)		
08 33 23 00-0146	EA		14' x 10', 0.05" Aluminum Overhead Coiling Door, Chain Lift.....	3,520.87	678.20
08 33 23 00-0147	EA		14' x 12', 0.05" Aluminum Overhead Coiling Door, Chain Lift.....	4,134.51	768.63
08 33 23 00-0148	EA		14' x 14', 0.05" Aluminum Overhead Coiling Door, Chain Lift.....	4,738.24	859.06
08 33 23 00-0149	EA		14' x 16', 0.05" Aluminum Overhead Coiling Door, Chain Lift.....	5,301.81	949.49
08 33 23 00-0150	EA		14' x 18', 0.05" Aluminum Overhead Coiling Door, Chain Lift.....	6,077.80	1,130.34
08 33 23 00-0151	EA		14' x 20', 0.05" Aluminum Overhead Coiling Door, Chain Lift.....	6,673.46	1,220.78
08 33 23 00-0152	EA		14' x 22', 0.05" Aluminum Overhead Coiling Door, Chain Lift.....	7,370.01	1,356.41
08 33 23 00-0153	EA		14' x 24', 0.05" Aluminum Overhead Coiling Door, Chain Lift.....	8,062.61	1,492.05
08 33 23 00-0154	EA		16' x 10', 0.05" Aluminum Overhead Coiling Door, Chain Lift.....	4,182.98	813.85
08 33 23 00-0155	EA		16' x 12', 0.05" Aluminum Overhead Coiling Door, Chain Lift.....	4,821.25	904.27
08 33 23 00-0156	EA		16' x 14', 0.05" Aluminum Overhead Coiling Door, Chain Lift.....	5,526.67	1,039.91
08 33 23 00-0157	EA		16' x 16', 0.05" Aluminum Overhead Coiling Door, Chain Lift.....	6,247.78	1,175.56
08 33 23 00-0158	EA		16' x 18', 0.05" Aluminum Overhead Coiling Door, Chain Lift.....	6,926.36	1,265.98
08 33 23 00-0159	EA		16' x 20', 0.05" Aluminum Overhead Coiling Door, Chain Lift.....	7,644.13	1,356.41
08 33 23 00-0160	EA		16' x 22', 0.05" Aluminum Overhead Coiling Door, Chain Lift.....	8,329.48	1,446.84



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 23 00-0161	EA			16' x 24', 0.05" Aluminum Overhead Coiling Door, Chain Lift.....	8,975.61	1,537.27
08 33 23 00-0162	EA			18' x 10', 0.05" Aluminum Overhead Coiling Door, Chain Lift.....	4,828.53	994.71
08 33 23 00-0163	EA			18' x 12', 0.05" Aluminum Overhead Coiling Door, Chain Lift.....	5,505.04	1,085.13
08 33 23 00-0164	EA			18' x 14', 0.05" Aluminum Overhead Coiling Door, Chain Lift.....	6,331.96	1,220.78
08 33 23 00-0165	EA			18' x 16', 0.05" Aluminum Overhead Coiling Door, Chain Lift.....	7,149.69	1,356.41
08 33 23 00-0166	EA			18' x 18', 0.05" Aluminum Overhead Coiling Door, Chain Lift.....	7,883.73	1,446.84
08 33 23 00-0167	EA			18' x 20', 0.05" Aluminum Overhead Coiling Door, Chain Lift.....	8,613.13	1,537.27
08 33 23 00-0168	EA			18' x 22', 0.05" Aluminum Overhead Coiling Door, Chain Lift.....	9,341.79	1,627.69
08 33 23 00-0169	EA			18' x 24', 0.05" Aluminum Overhead Coiling Door, Chain Lift.....	10,072.06	1,718.12
08 33 23 00-0170	EA			20' x 10', 0.05" Aluminum Overhead Coiling Door, Chain Lift.....	5,392.32	1,085.13
08 33 23 00-0171	EA			20' x 12', 0.05" Aluminum Overhead Coiling Door, Chain Lift.....	6,081.26	1,175.56
08 33 23 00-0172	EA			20' x 14', 0.05" Aluminum Overhead Coiling Door, Chain Lift.....	7,203.12	1,311.20
08 33 23 00-0173	EA			20' x 16', 0.05" Aluminum Overhead Coiling Door, Chain Lift.....	7,887.47	1,401.63
08 33 23 00-0174	EA			20' x 18', 0.05" Aluminum Overhead Coiling Door, Chain Lift.....	8,687.61	1,492.05
08 33 23 00-0175	EA			20' x 20', 0.05" Aluminum Overhead Coiling Door, Chain Lift.....	9,516.97	1,582.49
08 33 23 00-0176	EA			20' x 22', 0.05" Aluminum Overhead Coiling Door, Chain Lift.....	10,299.53	1,672.91
08 33 23 00-0177	EA			20' x 24', 0.05" Aluminum Overhead Coiling Door, Chain Lift.....	11,113.62	1,763.34
08 33 23 00-0178	EA			22' x 10', 0.05" Aluminum Overhead Coiling Door, Chain Lift.....	6,145.31	1,175.56
08 33 23 00-0179	EA			22' x 12', 0.05" Aluminum Overhead Coiling Door, Chain Lift.....	6,977.58	1,265.98
08 33 23 00-0180	EA			22' x 14', 0.05" Aluminum Overhead Coiling Door, Chain Lift.....	7,993.78	1,401.63
08 33 23 00-0181	EA			22' x 16', 0.05" Aluminum Overhead Coiling Door, Chain Lift.....	8,897.66	1,492.05
08 33 23 00-0182	EA			22' x 18', 0.05" Aluminum Overhead Coiling Door, Chain Lift.....	9,806.46	1,582.49
08 33 23 00-0183	EA			22' x 20', 0.05" Aluminum Overhead Coiling Door, Chain Lift.....	10,718.39	1,672.91
08 33 23 00-0184	EA			22' x 22', 0.05" Aluminum Overhead Coiling Door, Chain Lift.....	11,586.27	1,763.34
08 33 23 00-0185	EA			22' x 24', 0.05" Aluminum Overhead Coiling Door, Chain Lift.....	12,457.19	1,853.76
08 33 23 00-0186	EA			24' x 10', 0.05" Aluminum Overhead Coiling Door, Chain Lift.....	6,722.68	1,265.98
08 33 23 00-0187	EA			24' x 12', 0.05" Aluminum Overhead Coiling Door, Chain Lift.....	7,295.71	1,356.41
08 33 23 00-0188	EA			24' x 14', 0.05" Aluminum Overhead Coiling Door, Chain Lift.....	8,642.77	1,492.05
08 33 23 00-0189	EA			24' x 16', 0.05" Aluminum Overhead Coiling Door, Chain Lift.....	9,657.85	1,582.49
08 33 23 00-0190	EA			24' x 18', 0.05" Aluminum Overhead Coiling Door, Chain Lift.....	10,614.64	1,672.91
08 33 23 00-0191	EA			24' x 20', 0.05" Aluminum Overhead Coiling Door, Chain Lift.....	11,576.03	1,763.34
08 33 23 00-0192	EA			24' x 22', 0.05" Aluminum Overhead Coiling Door, Chain Lift.....	12,667.26	1,853.76
08 33 23 00-0193	EA			24' x 24', 0.05" Aluminum Overhead Coiling Door, Chain Lift.....	13,802.69	1,944.19
08 33 23 00-0194				Removal And Reinstallation Of Roll-Up Door And Support (08 33 23)		
				Note: Includes storage, cleaning and supply materials.		
08 33 23 00-0195	SF			Removal And Reinstallation Of Metal Roll-up Door And Supports.....	19.27	
08 33 23 00-0196				Overhead Coiling Door Accessories (08 33 23)		
08 33 23 00-0197	LF			Bottom Of Door, Weather Strip Seal For Coiling Doors, Astragal Only.....	3.10	1.13
08 33 23 00-0198	LF			Top Of Door (Lintel), Weather Strip Seal For Coiling Doors.....	18.07	1.36
08 33 23 00-0199	LF			Side Of Door (Guides), Weather Strip Seal For Coiling Doors.....	17.28	1.36
08 33 23 00-0200	EA			Cylinder Lock For Coiling Doors.....	193.94	56.51
08 33 23 00-0201	EA			Jackshaft Operator For Coiling Doors.....	1,171.49	180.85
				Note: Includes three button inside station controls and mounting hardware.		
08 33 23 00-0202	EA			Remote Transmitter Kit For Coiling Door Operators.....	264.05	90.43
08 33 26				Overhead Coiling Grilles (08 33)		
				Note: Includes curtains, guides, counterbalance mechanisms, hardware, operators, frame, supports and/or trim as required.		
08 33 26 00-0001				Steel Overhead Coiling Grilles (Width x Height) (08 33 26)		
08 33 26 00-0002	EA			4' x 4', Steel Overhead Coiling Grilles, Manual Lift.....	2,241.38	156.60
				For Staggered Brick Pattern, Add	44.85	
				For Lexan Lattice Pattern, Add	269.09	
				For Aluminum With Clear Or Anodized Bronze Finish, Add	84.26	
				For Staggered Brick Pattern, Add	150.01	
08 33 26 00-0003	EA			6' x 4', Steel Overhead Coiling Grilles, Manual Lift.....	2,470.80	156.60
				For Staggered Brick Pattern, Add	50.58	
				For Lexan Lattice Pattern, Add	303.51	
				For Aluminum With Clear Or Anodized Bronze Finish, Add	115.95	
				For Staggered Brick Pattern, Add	203.51	
08 33 26 00-0004	EA			8' x 4', Steel Overhead Coiling Grilles, Manual Lift.....	2,851.52	208.77
				For Staggered Brick Pattern, Add	56.37	
				For Lexan Lattice Pattern, Add	338.24	
				For Aluminum With Clear Or Anodized Bronze Finish, Add	147.66	
				For Staggered Brick Pattern, Add	257.01	
08 33 26 00-0005	EA			12' x 4', Steel Overhead Coiling Grilles, Manual Lift.....	3,403.65	208.77
				For Staggered Brick Pattern, Add	70.18	
				For Lexan Lattice Pattern, Add	421.06	
				For Aluminum With Clear Or Anodized Bronze Finish, Add	211.04	
				For Staggered Brick Pattern, Add	364.00	
08 33 26 00-0006	EA			16' x 4', Steel Overhead Coiling Grilles, Manual Lift.....	4,606.46	313.21
				For Staggered Brick Pattern, Add	92.79	
				For Lexan Lattice Pattern, Add	556.74	
				For Aluminum With Clear Or Anodized Bronze Finish, Add	316.16	
				For Staggered Brick Pattern, Add	479.98	

08	Openings
08 30	Specialty Doors And Frames
08 33	Coiling Doors And Grilles



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 26 00-0007 EA 20' x 4', Steel Overhead Coiling Grilles, Manual Lift	5,809.27	417.46
For Staggered Brick Pattern, Add	115.40	
For Lexan Lattice Pattern, Add	692.42	
For Aluminum With Clear Or Anodized Bronze Finish, Add	421.28	
For Staggered Brick Pattern, Add	595.96	
08 33 26 00-0008 EA 24' x 4', Steel Overhead Coiling Grilles, Manual Lift	7,252.58	501.13
For Staggered Brick Pattern, Add	145.46	
For Lexan Lattice Pattern, Add	872.77	
For Aluminum With Clear Or Anodized Bronze Finish, Add	505.54	
For Staggered Brick Pattern, Add	616.25	
08 33 26 00-0009 EA 30' x 4', Steel Overhead Coiling Grilles, Manual Lift	8,901.83	626.41
For Staggered Brick Pattern, Add	177.80	
For Lexan Lattice Pattern, Add	1,066.81	
For Aluminum With Clear Or Anodized Bronze Finish, Add	591.71	
For Staggered Brick Pattern, Add	707.39	
08 33 26 00-0010 EA 4' x 6', Steel Overhead Coiling Grilles, Manual Lift	2,416.51	156.60
For Staggered Brick Pattern, Add	49.23	
For Lexan Lattice Pattern, Add	295.36	
For Aluminum With Clear Or Anodized Bronze Finish, Add	126.38	
For Staggered Brick Pattern, Add	174.29	
08 33 26 00-0011 EA 6' x 6', Steel Overhead Coiling Grilles, Manual Lift	2,746.02	156.60
For Staggered Brick Pattern, Add	57.46	
For Lexan Lattice Pattern, Add	344.79	
For Aluminum With Clear Or Anodized Bronze Finish, Add	189.55	
For Staggered Brick Pattern, Add	237.03	
08 33 26 00-0012 EA 8' x 6', Steel Overhead Coiling Grilles, Manual Lift	3,089.54	208.86
For Staggered Brick Pattern, Add	62.32	
For Lexan Lattice Pattern, Add	373.94	
For Aluminum With Clear Or Anodized Bronze Finish, Add	252.72	
For Staggered Brick Pattern, Add	299.78	
08 33 26 00-0013 EA 12' x 6', Steel Overhead Coiling Grilles, Manual Lift	3,725.70	208.86
For Staggered Brick Pattern, Add	78.23	
For Lexan Lattice Pattern, Add	469.37	
For Aluminum With Clear Or Anodized Bronze Finish, Add	379.15	
For Staggered Brick Pattern, Add	425.26	
08 33 26 00-0014 EA 16' x 6', Steel Overhead Coiling Grilles, Manual Lift	5,058.18	313.21
For Staggered Brick Pattern, Add	104.08	
For Lexan Lattice Pattern, Add	624.50	
For Aluminum With Clear Or Anodized Bronze Finish, Add	505.54	
For Staggered Brick Pattern, Add	585.43	
08 33 26 00-0015 EA 20' x 6', Steel Overhead Coiling Grilles, Manual Lift	6,387.47	417.46
For Staggered Brick Pattern, Add	129.94	
For Lexan Lattice Pattern, Add	779.62	
For Aluminum With Clear Or Anodized Bronze Finish, Add	631.93	
For Staggered Brick Pattern, Add	745.60	
08 33 26 00-0016 EA 24' x 6', Steel Overhead Coiling Grilles, Manual Lift	8,005.98	501.13
For Staggered Brick Pattern, Add	164.30	
For Lexan Lattice Pattern, Add	985.78	
For Aluminum With Clear Or Anodized Bronze Finish, Add	758.30	
For Staggered Brick Pattern, Add	859.52	
08 33 26 00-0017 EA 30' x 6', Steel Overhead Coiling Grilles, Manual Lift	9,652.21	626.41
For Staggered Brick Pattern, Add	196.56	
For Lexan Lattice Pattern, Add	1,179.37	
For Aluminum With Clear Or Anodized Bronze Finish, Add	882.87	
For Staggered Brick Pattern, Add	963.58	
08 33 26 00-0018 EA 4' x 8', Steel Overhead Coiling Grilles, Manual Lift	2,767.54	187.92
For Staggered Brick Pattern, Add	55.78	
For Lexan Lattice Pattern, Add	334.66	
For Aluminum With Clear Or Anodized Bronze Finish, Add	168.51	
For Staggered Brick Pattern, Add	228.11	
08 33 26 00-0019 EA 6' x 8', Steel Overhead Coiling Grilles, Manual Lift	3,165.62	187.92
For Staggered Brick Pattern, Add	65.73	
For Lexan Lattice Pattern, Add	394.37	
For Aluminum With Clear Or Anodized Bronze Finish, Add	252.78	
For Staggered Brick Pattern, Add	308.93	
08 33 26 00-0020 EA 8' x 8', Steel Overhead Coiling Grilles, Manual Lift	3,799.23	234.90
For Staggered Brick Pattern, Add	78.19	
For Lexan Lattice Pattern, Add	469.11	
For Aluminum With Clear Or Anodized Bronze Finish, Add	337.03	
For Staggered Brick Pattern, Add	389.75	
08 33 26 00-0021 EA 12' x 8', Steel Overhead Coiling Grilles, Manual Lift	4,373.33	234.90
For Staggered Brick Pattern, Add	92.54	
For Lexan Lattice Pattern, Add	555.23	
For Aluminum With Clear Or Anodized Bronze Finish, Add	436.11	
For Staggered Brick Pattern, Add	551.39	
08 33 26 00-0022 EA 16' x 8', Steel Overhead Coiling Grilles, Manual Lift	5,958.78	375.85
For Staggered Brick Pattern, Add	122.08	
For Lexan Lattice Pattern, Add	732.48	
For Aluminum With Clear Or Anodized Bronze Finish, Add	674.05	
For Staggered Brick Pattern, Add	777.58	
08 33 26 00-0023 EA 20' x 8', Steel Overhead Coiling Grilles, Manual Lift	7,404.55	469.81
For Staggered Brick Pattern, Add	151.62	
For Lexan Lattice Pattern, Add	909.74	
For Aluminum With Clear Or Anodized Bronze Finish, Add	842.56	
For Staggered Brick Pattern, Add	1,003.76	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 26 00-0024 EA 24' x 8', Steel Overhead Coiling Grilles, Manual Lift	9,365.96	563.77
For Staggered Brick Pattern, Add	193.91	
For Lexan Lattice Pattern, Add	1,163.47	
For Aluminum With Clear Or Anodized Bronze Finish, Add	1,011.08	
For Staggered Brick Pattern, Add	1,129.11	
08 33 26 00-0025 EA 30' x 8', Steel Overhead Coiling Grilles, Manual Lift	11,418.78	689.04
For Staggered Brick Pattern, Add	236.41	
For Lexan Lattice Pattern, Add	1,418.45	
For Aluminum With Clear Or Anodized Bronze Finish, Add	1,171.06	
For Staggered Brick Pattern, Add	1,231.44	
08 33 26 00-0026 EA 4' x 10', Steel Overhead Coiling Grilles, Manual Lift	3,056.07	187.92
For Staggered Brick Pattern, Add	62.99	
For Lexan Lattice Pattern, Add	377.94	
For Aluminum With Clear Or Anodized Bronze Finish, Add	210.64	
For Staggered Brick Pattern, Add	271.00	
08 33 26 00-0027 EA 6' x 10', Steel Overhead Coiling Grilles, Manual Lift	3,583.66	187.92
For Staggered Brick Pattern, Add	76.18	
For Lexan Lattice Pattern, Add	457.07	
For Aluminum With Clear Or Anodized Bronze Finish, Add	315.95	
For Staggered Brick Pattern, Add	384.83	
08 33 26 00-0028 EA 8' x 10', Steel Overhead Coiling Grilles, Manual Lift	4,263.51	234.90
For Staggered Brick Pattern, Add	89.84	
For Lexan Lattice Pattern, Add	539.05	
For Aluminum With Clear Or Anodized Bronze Finish, Add	421.29	
For Staggered Brick Pattern, Add	498.66	
08 33 26 00-0029 EA 12' x 10', Steel Overhead Coiling Grilles, Manual Lift	4,982.49	234.90
For Staggered Brick Pattern, Add	107.82	
For Lexan Lattice Pattern, Add	646.90	
For Aluminum With Clear Or Anodized Bronze Finish, Add	631.93	
For Staggered Brick Pattern, Add	726.33	
08 33 26 00-0030 EA 16' x 10', Steel Overhead Coiling Grilles, Manual Lift	6,757.88	375.85
For Staggered Brick Pattern, Add	142.06	
For Lexan Lattice Pattern, Add	852.35	
For Aluminum With Clear Or Anodized Bronze Finish, Add	842.56	
For Staggered Brick Pattern, Add	1,001.51	
08 33 26 00-0031 EA 20' x 10', Steel Overhead Coiling Grilles, Manual Lift	8,391.55	469.81
For Staggered Brick Pattern, Add	176.30	
For Lexan Lattice Pattern, Add	1,057.79	
For Aluminum With Clear Or Anodized Bronze Finish, Add	1,053.20	
For Staggered Brick Pattern, Add	1,276.68	
08 33 26 00-0032 EA 24' x 10', Steel Overhead Coiling Grilles, Manual Lift	10,558.46	563.77
For Staggered Brick Pattern, Add	223.72	
For Lexan Lattice Pattern, Add	1,342.35	
For Aluminum With Clear Or Anodized Bronze Finish, Add	1,264.00	
For Staggered Brick Pattern, Add	1,478.50	
08 33 26 00-0033 EA 30' x 10', Steel Overhead Coiling Grilles, Manual Lift	13,260.13	689.04
For Staggered Brick Pattern, Add	282.44	
For Lexan Lattice Pattern, Add	1,694.66	
For Aluminum With Clear Or Anodized Bronze Finish, Add	1,479.96	
For Staggered Brick Pattern, Add	1,656.25	
08 33 26 00-0034 EA 4' x 12', Steel Overhead Coiling Grilles, Manual Lift	3,386.49	187.92
For Staggered Brick Pattern, Add	71.25	
For Lexan Lattice Pattern, Add	427.50	
For Aluminum With Clear Or Anodized Bronze Finish, Add	252.78	
For Staggered Brick Pattern, Add	313.26	
08 33 26 00-0035 EA 6' x 12', Steel Overhead Coiling Grilles, Manual Lift	3,482.13	187.92
For Staggered Brick Pattern, Add	73.64	
For Lexan Lattice Pattern, Add	441.84	
For Aluminum With Clear Or Anodized Bronze Finish, Add	379.15	
For Staggered Brick Pattern, Add	459.46	
08 33 26 00-0036 EA 8' x 12', Steel Overhead Coiling Grilles, Manual Lift	4,233.58	234.90
For Staggered Brick Pattern, Add	89.04	
For Lexan Lattice Pattern, Add	534.26	
For Aluminum With Clear Or Anodized Bronze Finish, Add	505.53	
For Staggered Brick Pattern, Add	605.66	
08 33 26 00-0037 EA 12' x 12', Steel Overhead Coiling Grilles, Manual Lift	5,671.31	234.90
For Staggered Brick Pattern, Add	124.99	
For Lexan Lattice Pattern, Add	749.92	
For Aluminum With Clear Or Anodized Bronze Finish, Add	758.28	
For Staggered Brick Pattern, Add	898.06	
08 33 26 00-0038 EA 16' x 12', Steel Overhead Coiling Grilles, Manual Lift	7,887.49	375.85
For Staggered Brick Pattern, Add	170.30	
For Lexan Lattice Pattern, Add	1,021.79	
For Aluminum With Clear Or Anodized Bronze Finish, Add	1,011.07	
For Staggered Brick Pattern, Add	1,248.56	
08 33 26 00-0039 EA 20' x 12', Steel Overhead Coiling Grilles, Manual Lift	9,963.98	469.81
For Staggered Brick Pattern, Add	215.61	
For Lexan Lattice Pattern, Add	1,293.65	
For Aluminum With Clear Or Anodized Bronze Finish, Add	1,263.84	
For Staggered Brick Pattern, Add	1,599.06	
08 33 26 00-0040 EA 24' x 12', Steel Overhead Coiling Grilles, Manual Lift	12,086.59	563.77
For Staggered Brick Pattern, Add	261.93	
For Lexan Lattice Pattern, Add	1,571.57	
For Aluminum With Clear Or Anodized Bronze Finish, Add	1,516.62	
For Staggered Brick Pattern, Add	1,690.79	

08	Openings
08 30	Specialty Doors And Frames
08 33	Coiling Doors And Grilles



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 26 00-0041	EA		30' x 12', Steel Overhead Coiling Grilles, Manual Lift	15,079.40	689.04
			For Staggered Brick Pattern, Add	327.92	
			For Lexan Lattice Pattern, Add	1,967.55	
			For Aluminum With Clear Or Anodized Bronze Finish, Add	1,757.53	
			For Staggered Brick Pattern, Add	1,842.13	
08 33 26 00-0042	EA		4' x 14', Steel Overhead Coiling Grilles, Manual Lift	3,977.46	187.92
			For Staggered Brick Pattern, Add	86.02	
			For Lexan Lattice Pattern, Add	516.14	
			For Aluminum With Clear Or Anodized Bronze Finish, Add	294.78	
			For Staggered Brick Pattern, Add	579.41	
08 33 26 00-0043	EA		6' x 14', Steel Overhead Coiling Grilles, Manual Lift	4,622.70	187.92
			For Staggered Brick Pattern, Add	102.16	
			For Lexan Lattice Pattern, Add	612.93	
			For Aluminum With Clear Or Anodized Bronze Finish, Add	442.27	
			For Staggered Brick Pattern, Add	711.45	
08 33 26 00-0044	EA		8' x 14', Steel Overhead Coiling Grilles, Manual Lift	5,408.35	234.90
			For Staggered Brick Pattern, Add	118.46	
			For Lexan Lattice Pattern, Add	710.78	
			For Aluminum With Clear Or Anodized Bronze Finish, Add	589.74	
			For Staggered Brick Pattern, Add	828.42	
08 33 26 00-0045	EA		12' x 14', Steel Overhead Coiling Grilles, Manual Lift	6,763.77	234.90
			For Staggered Brick Pattern, Add	152.35	
			For Lexan Lattice Pattern, Add	914.09	
			For Aluminum With Clear Or Anodized Bronze Finish, Add	884.69	
			For Staggered Brick Pattern, Add	1,050.50	
08 33 26 00-0046	EA		16' x 14', Steel Overhead Coiling Grilles, Manual Lift	9,014.54	375.85
			For Staggered Brick Pattern, Add	198.47	
			For Lexan Lattice Pattern, Add	1,190.85	
			For Aluminum With Clear Or Anodized Bronze Finish, Add	1,179.59	
			For Staggered Brick Pattern, Add	1,405.38	
08 33 26 00-0047	EA		20' x 14', Steel Overhead Coiling Grilles, Manual Lift	11,123.63	469.81
			For Staggered Brick Pattern, Add	244.60	
			For Lexan Lattice Pattern, Add	1,467.60	
			For Aluminum With Clear Or Anodized Bronze Finish, Add	1,474.48	
			For Staggered Brick Pattern, Add	1,760.26	
08 33 26 00-0048	EA		24' x 14', Steel Overhead Coiling Grilles, Manual Lift	13,290.60	563.77
			For Staggered Brick Pattern, Add	292.03	
			For Lexan Lattice Pattern, Add	1,752.17	
			For Aluminum With Clear Or Anodized Bronze Finish, Add	1,769.38	
			For Staggered Brick Pattern, Add	1,996.33	
08 33 26 00-0049	EA		30' x 14', Steel Overhead Coiling Grilles, Manual Lift	17,040.86	689.04
			For Staggered Brick Pattern, Add	376.96	
			For Lexan Lattice Pattern, Add	2,261.76	
			For Aluminum With Clear Or Anodized Bronze Finish, Add	2,088.77	
			For Staggered Brick Pattern, Add	2,280.90	
08 33 26 00-0050			Coiling Grilles Accessories (08 33 26)		
08 33 26 00-0051	EA		Add For Motor Operator.....	2,160.98	38.04
			Note: Includes motor, supports, push button operator, stationary electronic eye, signal wiring from eye to motor and motor to operator.		
08 33 26 00-0052	LF		For Safety Edge Bottom Bar, Electric, Add.....	61.51	
08 33 26 00-0053	LF		For Overhead Framed Rolling Grille Supports.....	82.91	
08 33 36			Side Coiling Grilles (08 33)		
08 33 36 00-0001			Steel Side Coiling Grilles (Width x Height) (08 33 36)		
08 33 36 00-0002	EA		12' x 8', Steel Side Coiling Grilles, Manually Operated	5,709.34	525.47
			For Staggered Brick Pattern, Add	105.20	
			For Lexan Lattice Pattern, Add	631.18	
			For Aluminum With Clear Or Anodized Bronze Finish, Add	505.54	
			For Staggered Brick Pattern, Add	551.39	
08 33 36 00-0003	EA		18' x 8', Steel Side Coiling Grilles, Manually Operated	8,106.87	675.00
			For Staggered Brick Pattern, Add	154.46	
			For Lexan Lattice Pattern, Add	926.74	
			For Aluminum With Clear Or Anodized Bronze Finish, Add	775.45	
			For Staggered Brick Pattern, Add	883.14	
08 33 36 00-0004	EA		24' x 8', Steel Side Coiling Grilles, Manually Operated	10,546.45	851.11
			For Staggered Brick Pattern, Add	202.87	
			For Lexan Lattice Pattern, Add	1,217.21	
			For Aluminum With Clear Or Anodized Bronze Finish, Add	1,011.08	
			For Staggered Brick Pattern, Add	1,129.11	
08 33 36 00-0005	EA		30' x 8', Steel Side Coiling Grilles, Manually Operated	12,829.11	939.61
			For Staggered Brick Pattern, Add	253.59	
			For Lexan Lattice Pattern, Add	1,521.51	
			For Aluminum With Clear Or Anodized Bronze Finish, Add	1,171.06	
			For Staggered Brick Pattern, Add	1,231.44	
08 33 36 00-0006	EA		12' x 10', Steel Side Coiling Grilles, Manually Operated	6,967.82	599.12
			For Staggered Brick Pattern, Add	131.40	
			For Lexan Lattice Pattern, Add	788.42	
			For Aluminum With Clear Or Anodized Bronze Finish, Add	631.93	
			For Staggered Brick Pattern, Add	726.33	



Openings	08
Specialty Doors And Frames	08 30
Coiling Doors And Grilles	08 33

08

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 36 00-0007 EA 18' x 10', Steel Side Coiling Grilles, Manually Operated..... <i>For Staggered Brick Pattern, Add</i> <i>For Lexan Lattice Pattern, Add</i> <i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i> <i>For Staggered Brick Pattern, Add</i>	9,927.23 193.19 1,159.12 930.66 1,102.92	769.50
08 33 36 00-0008 EA 24' x 10', Steel Side Coiling Grilles, Manually Operated..... <i>For Staggered Brick Pattern, Add</i> <i>For Lexan Lattice Pattern, Add</i> <i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i> <i>For Staggered Brick Pattern, Add</i>	12,731.21 248.98 1,493.85 1,264.00 1,478.50	969.95
08 33 36 00-0009 EA 30' x 10', Steel Side Coiling Grilles, Manually Operated..... <i>For Staggered Brick Pattern, Add</i> <i>For Lexan Lattice Pattern, Add</i> <i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i> <i>For Staggered Brick Pattern, Add</i>	15,748.64 316.89 1,901.34 1,479.96 1,656.25	1,071.16
08 33 36 00-0010 EA 12' x 12', Steel Side Coiling Grilles, Manually Operated..... <i>For Staggered Brick Pattern, Add</i> <i>For Lexan Lattice Pattern, Add</i> <i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i> <i>For Staggered Brick Pattern, Add</i>	8,237.81 157.73 946.38 758.28 898.06	675.00
08 33 36 00-0011 EA 18' x 12', Steel Side Coiling Grilles, Manually Operated..... <i>For Staggered Brick Pattern, Add</i> <i>For Lexan Lattice Pattern, Add</i> <i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i> <i>For Staggered Brick Pattern, Add</i>	11,743.94 231.45 1,388.73 1,119.61 1,369.30	866.95
08 33 36 00-0012 EA 24' x 12', Steel Side Coiling Grilles, Manually Operated..... <i>For Staggered Brick Pattern, Add</i> <i>For Lexan Lattice Pattern, Add</i> <i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i> <i>For Staggered Brick Pattern, Add</i>	15,279.31 304.30 1,825.82 1,516.62 1,690.79	1,093.09
08 33 36 00-0013 EA 30' x 12', Steel Side Coiling Grilles, Manually Operated..... <i>For Staggered Brick Pattern, Add</i> <i>For Lexan Lattice Pattern, Add</i> <i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i> <i>For Staggered Brick Pattern, Add</i>	18,662.25 380.38 2,282.27 1,757.53 1,842.13	1,205.84
08 33 36 00-0014 EA 12' x 14', Steel Side Coiling Grilles, Manually Operated..... <i>For Staggered Brick Pattern, Add</i> <i>For Lexan Lattice Pattern, Add</i> <i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i> <i>For Staggered Brick Pattern, Add</i>	9,507.68 184.43 1,106.56 884.69 1,050.50	746.32
08 33 36 00-0015 EA 18' x 14', Steel Side Coiling Grilles, Manually Operated..... <i>For Staggered Brick Pattern, Add</i> <i>For Lexan Lattice Pattern, Add</i> <i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i> <i>For Staggered Brick Pattern, Add</i>	13,569.31 270.18 1,621.10 1,279.58 1,521.39	958.41
08 33 36 00-0016 EA 24' x 14', Steel Side Coiling Grilles, Manually Operated..... <i>For Staggered Brick Pattern, Add</i> <i>For Lexan Lattice Pattern, Add</i> <i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i> <i>For Staggered Brick Pattern, Add</i>	17,642.60 355.02 2,130.12 1,769.38 1,996.33	1,208.34
08 33 36 00-0017 EA 30' x 14', Steel Side Coiling Grilles, Manually Operated..... <i>For Staggered Brick Pattern, Add</i> <i>For Lexan Lattice Pattern, Add</i> <i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i> <i>For Staggered Brick Pattern, Add</i>	21,552.98 443.54 2,661.27 2,088.77 2,280.90	1,334.25

08 33 39 High Speed Doors (08 33)

08 33 39 00-0001	2 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® PredaDoor®) (08 33 39) <i>Note: Rytec® PredaDoor® PD5500. Door panel is 2-ply multi-filament Rilon. Includes full width vision panel. Side frames are fully bolted together, anodized aluminum construction with weather seal. Bottom bar releases in either direction when impacted, without damage to door. Drive system is a 3 phase, variable-speed AC Drive with brake and absolute encoder. Opens at 50" per second and closes at 21" per second.</i>	
08 33 39 00-0002	2 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® PredaDoor®) (08 33 39 00-0001)	
08 33 39 00-0003	6' Wide, 2 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® PredaDoor®) (08 33 39 00-0002)	
08 33 39 00-0004	EA 6' x 6', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	9,581.10 361.71
08 33 39 00-0005	EA 6' x 7', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	9,740.37 377.08
08 33 39 00-0006	EA 6' x 8', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	9,923.09 392.46
08 33 39 00-0007	EA 6' x 9', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	10,175.17 407.83
08 33 39 00-0008	EA 6' x 10', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	10,432.36 423.20
08 33 39 00-0009	EA 6' x 11', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	10,860.90 438.57
08 33 39 00-0010	EA 6' x 12', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	11,167.05 453.94
08 33 39 00-0011	7' Wide, 2 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® PredaDoor®) (08 33 39 00-0002)	
08 33 39 00-0012	EA 7' x 6', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	9,774.03 377.08
08 33 39 00-0013	EA 7' x 7', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	9,975.11 392.46
08 33 39 00-0014	EA 7' x 8', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	10,226.17 407.83
08 33 39 00-0015	EA 7' x 9', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	10,491.52 423.20
08 33 39 00-0016	EA 7' x 10', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	10,839.48 438.57

08	Openings
08 30	Specialty Doors And Frames
08 33	Coiling Doors And Grilles



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 39 00-0017	EA		7' x 11', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	11,257.83	453.94
08 33 39 00-0018	EA		7' x 12', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	11,589.48	469.32
08 33 39 00-0019			8' Wide, 2 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® PredaDoor®) (08 33 39 00-0002)		
08 33 39 00-0020	EA		8' x 6', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	10,007.75	392.46
08 33 39 00-0021	EA		8' x 7', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	10,257.79	407.83
08 33 39 00-0022	EA		8' x 8', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	10,533.34	423.20
08 33 39 00-0023	EA		8' x 9', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	10,891.50	438.57
08 33 39 00-0024	EA		8' x 10', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	11,214.99	453.94
08 33 39 00-0025	EA		8' x 11', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	11,670.06	469.32
08 33 39 00-0026	EA		8' x 12', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	12,044.55	484.69
08 33 39 00-0027			9' Wide, 2 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® PredaDoor®) (08 33 39 00-0002)		
08 33 39 00-0028	EA		9' x 6', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	10,291.45	407.83
08 33 39 00-0029	EA		9' x 7', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	10,564.96	423.20
08 33 39 00-0030	EA		9' x 8', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	10,923.12	438.57
08 33 39 00-0031	EA		9' x 9', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	11,256.81	453.94
08 33 39 00-0032	EA		9' x 10', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	11,606.82	469.32
08 33 39 00-0033	EA		9' x 11', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	11,970.09	484.69
08 33 39 00-0034	EA		9' x 12', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	12,368.03	500.06
08 33 39 00-0035			10' Wide, 2 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® PredaDoor®) (08 33 39 00-0002)		
08 33 39 00-0036	EA		10' x 6', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	10,591.48	423.20
08 33 39 00-0037	EA		10' x 7', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	10,956.78	438.57
08 33 39 00-0038	EA		10' x 8', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	11,287.41	453.94
08 33 39 00-0039	EA		10' x 9', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	11,640.48	469.32
08 33 39 00-0040	EA		10' x 10', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	12,031.29	484.69
08 33 39 00-0041	EA		10' x 11', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	12,115.07	500.06
08 33 39 00-0042	EA		10' x 12', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	12,775.16	515.43
08 33 39 00-0043			11' Wide, 2 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® PredaDoor®) (08 33 39 00-0002)		
08 33 39 00-0044	EA		11' x 6', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	10,976.16	438.57
08 33 39 00-0045	EA		11' x 7', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	11,314.95	453.94
08 33 39 00-0046	EA		11' x 8', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	11,672.10	469.32
08 33 39 00-0047	EA		11' x 9', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	12,063.93	484.69
08 33 39 00-0048	EA		11' x 10', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	12,323.15	500.06
08 33 39 00-0049	EA		11' x 11', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	12,830.24	515.43
08 33 39 00-0050	EA		11' x 12', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	13,246.54	530.80
08 33 39 00-0051			12' Wide, 2 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® PredaDoor®) (08 33 39 00-0002)		
08 33 39 00-0052	EA		12' x 6', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	11,324.13	453.94
08 33 39 00-0053	EA		12' x 7', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	11,690.46	469.32
08 33 39 00-0054	EA		12' x 8', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	12,089.43	484.69
08 33 39 00-0055	EA		12' x 9', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	12,357.83	500.06
08 33 39 00-0056	EA		12' x 10', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	12,708.86	515.43
08 33 39 00-0057	EA		12' x 11', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	13,293.46	530.80
08 33 39 00-0058	EA		12' x 12', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	13,701.60	546.19
08 33 39 00-0059			Rytec® PredaDoor® Door Options (08 33 39 00-0001)		
08 33 39 00-0060	EA		Up To 10' Wide Doors, Roll And Motor Hood For Rytec® PredaDoor® High-Speed Rolling Doors.....	331.50	90.43
08 33 39 00-0061	EA		>10' To 15' Wide Doors, Roll And Motor Hood For Rytec® PredaDoor® High-Speed Rolling Doors.....	550.80	90.43
08 33 39 00-0062	SF		Upgrade To 3-Ply Rilon Panel Material For Rytec® PredaDoor® High-Speed Rolling Doors.....	8.26	
08 33 39 00-0063			3 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® Fast-Seal®) (08 33 39 0063)		
			Note: Rytec® Fast-Seal® FS1000. Door panel is heavy-duty 3-ply multi-filament Rilon. Independent opening and closing speeds up to 50" per second. Side frames are fully bolted together, reinforced with front and rear wind bar guides and full height vinyl weather seal on either side of the door panel. Counterbalance system consists of guided counterweights custom-sized to provide to provide proper balancing of each door system. The independent tension system maintains constant panel tensioning. The drive system is a 3 phase, variable speed AC drive motor with brake and absolute encoder. Bottom bar breaks away in either direction without damage to the bar, safety astragal, or side covers.		
08 33 39 00-0064			3 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® Fast-Seal®) (08 33 39 00-0063)		
08 33 39 00-0065			8' Wide, 3 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® Fast-Seal®) (08 33 39 00-0064)		



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	08 33 39 00-0066	EA		8' x 8', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add For 304 Stainless Steel Side Frame Tower, Add For 316 Stainless Steel Side Frame Tower, Add	14,098.29 675.00 1,100.00 2,750.00 2,200.00 3,300.00	542.56
	08 33 39 00-0067	EA		8' x 9', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add For 304 Stainless Steel Side Frame Tower, Add For 316 Stainless Steel Side Frame Tower, Add	14,742.06 675.00 1,100.00 2,750.00 2,200.00 3,300.00	557.93
	08 33 39 00-0068	EA		8' x 10', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add For 304 Stainless Steel Side Frame Tower, Add For 316 Stainless Steel Side Frame Tower, Add	15,302.18 675.00 1,100.00 2,750.00 2,200.00 3,300.00	573.31
	08 33 39 00-0069	EA		8' x 11', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add For 304 Stainless Steel Side Frame Tower, Add For 316 Stainless Steel Side Frame Tower, Add	15,905.15 675.00 1,100.00 2,750.00 2,200.00 3,300.00	588.69
	08 33 39 00-0070	EA		8' x 12', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add For 304 Stainless Steel Side Frame Tower, Add For 316 Stainless Steel Side Frame Tower, Add	16,589.71 675.00 1,100.00 2,750.00 2,200.00 3,300.00	604.06
	08 33 39 00-0071	EA		8' x 13', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add For 304 Stainless Steel Side Frame Tower, Add For 316 Stainless Steel Side Frame Tower, Add	16,945.83 675.00 1,100.00 2,750.00 2,200.00 3,300.00	619.43
	08 33 39 00-0072	EA		8' x 14', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add For 304 Stainless Steel Side Frame Tower, Add For 316 Stainless Steel Side Frame Tower, Add	17,505.96 675.00 1,100.00 2,750.00 2,200.00 3,300.00	634.80
	08 33 39 00-0073			9' Wide, 3 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® Fast-Seal®) <small>(08 33 39 00-0064)</small>		
	08 33 39 00-0074	EA		9' x 8', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add For 304 Stainless Steel Side Frame Tower, Add For 316 Stainless Steel Side Frame Tower, Add	14,742.06 675.00 1,100.00 2,750.00 3,300.00 4,950.00	557.93
	08 33 39 00-0075	EA		9' x 9', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add For 304 Stainless Steel Side Frame Tower, Add For 316 Stainless Steel Side Frame Tower, Add	15,302.18 675.00 1,100.00 2,750.00 3,300.00 4,950.00	573.31
	08 33 39 00-0076	EA		9' x 10', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add For 304 Stainless Steel Side Frame Tower, Add For 316 Stainless Steel Side Frame Tower, Add	15,905.15 675.00 1,100.00 2,750.00 3,300.00 4,950.00	588.69
	08 33 39 00-0077	EA		9' x 11', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add For 304 Stainless Steel Side Frame Tower, Add For 316 Stainless Steel Side Frame Tower, Add	16,589.71 675.00 1,100.00 2,750.00 3,300.00 4,950.00	604.06
	08 33 39 00-0078	EA		9' x 12', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add For 304 Stainless Steel Side Frame Tower, Add For 316 Stainless Steel Side Frame Tower, Add	16,945.83 675.00 1,100.00 2,750.00 3,300.00 4,950.00	619.43
	08 33 39 00-0079	EA		9' x 13', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add For 304 Stainless Steel Side Frame Tower, Add For 316 Stainless Steel Side Frame Tower, Add	17,505.96 675.00 1,100.00 2,750.00 3,300.00 4,950.00	634.80

08	Openings
08 30	Specialty Doors And Frames
08 33	Coiling Doors And Grilles



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 39 00-0080	EA		9' x 14', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	18,230.30	650.18
			<i>For NEMA 4X Control Box, Add</i>	675.00	
			<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00	
			<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00	
			<i>For 304 Stainless Steel Side Frame Tower, Add</i>	3,300.00	
			<i>For 316 Stainless Steel Side Frame Tower, Add</i>	4,950.00	
08 33 39 00-0081			10' Wide, 3 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® Fast-Seal®) (08 33 39 00-0064)		
08 33 39 00-0082	EA		10' x 8', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	15,302.18	573.31
			<i>For NEMA 4X Control Box, Add</i>	675.00	
			<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00	
			<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00	
			<i>For 304 Stainless Steel Side Frame Tower, Add</i>	3,300.00	
			<i>For 316 Stainless Steel Side Frame Tower, Add</i>	4,950.00	
08 33 39 00-0083	EA		10' x 9', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	15,905.15	588.69
			<i>For NEMA 4X Control Box, Add</i>	675.00	
			<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00	
			<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00	
			<i>For 304 Stainless Steel Side Frame Tower, Add</i>	3,300.00	
			<i>For 316 Stainless Steel Side Frame Tower, Add</i>	4,950.00	
08 33 39 00-0084	EA		10' x 10', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	16,589.71	604.06
			<i>For NEMA 4X Control Box, Add</i>	675.00	
			<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00	
			<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00	
			<i>For 304 Stainless Steel Side Frame Tower, Add</i>	3,300.00	
			<i>For 316 Stainless Steel Side Frame Tower, Add</i>	4,950.00	
08 33 39 00-0085	EA		10' x 11', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	16,945.83	619.43
			<i>For NEMA 4X Control Box, Add</i>	675.00	
			<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00	
			<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00	
			<i>For 304 Stainless Steel Side Frame Tower, Add</i>	3,300.00	
			<i>For 316 Stainless Steel Side Frame Tower, Add</i>	4,950.00	
08 33 39 00-0086	EA		10' x 12', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	17,505.96	634.80
			<i>For NEMA 4X Control Box, Add</i>	675.00	
			<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00	
			<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00	
			<i>For 304 Stainless Steel Side Frame Tower, Add</i>	3,300.00	
			<i>For 316 Stainless Steel Side Frame Tower, Add</i>	4,950.00	
08 33 39 00-0087	EA		10' x 13', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	18,230.30	650.18
			<i>For NEMA 4X Control Box, Add</i>	675.00	
			<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00	
			<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00	
			<i>For 304 Stainless Steel Side Frame Tower, Add</i>	3,300.00	
			<i>For 316 Stainless Steel Side Frame Tower, Add</i>	4,950.00	
08 33 39 00-0088	EA		10' x 14', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	18,913.86	665.55
			<i>For NEMA 4X Control Box, Add</i>	675.00	
			<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00	
			<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00	
			<i>For 304 Stainless Steel Side Frame Tower, Add</i>	3,300.00	
			<i>For 316 Stainless Steel Side Frame Tower, Add</i>	4,950.00	
08 33 39 00-0089			11' Wide, 3 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® Fast-Seal®) (08 33 39 00-0064)		
08 33 39 00-0090	EA		11' x 8', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	15,905.15	588.69
			<i>For NEMA 4X Control Box, Add</i>	675.00	
			<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00	
			<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00	
			<i>For 304 Stainless Steel Side Frame Tower, Add</i>	4,400.00	
			<i>For 316 Stainless Steel Side Frame Tower, Add</i>	6,600.00	
08 33 39 00-0091	EA		11' x 9', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	16,589.71	604.06
			<i>For NEMA 4X Control Box, Add</i>	675.00	
			<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00	
			<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00	
			<i>For 304 Stainless Steel Side Frame Tower, Add</i>	4,400.00	
			<i>For 316 Stainless Steel Side Frame Tower, Add</i>	6,600.00	
08 33 39 00-0092	EA		11' x 10', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	16,945.83	619.43
			<i>For NEMA 4X Control Box, Add</i>	675.00	
			<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00	
			<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00	
			<i>For 304 Stainless Steel Side Frame Tower, Add</i>	4,400.00	
			<i>For 316 Stainless Steel Side Frame Tower, Add</i>	6,600.00	
08 33 39 00-0093	EA		11' x 11', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	17,505.96	634.80
			<i>For NEMA 4X Control Box, Add</i>	675.00	
			<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00	
			<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00	
			<i>For 304 Stainless Steel Side Frame Tower, Add</i>	4,400.00	
			<i>For 316 Stainless Steel Side Frame Tower, Add</i>	6,600.00	



Openings	08	08
Specialty Doors And Frames	08 30	
Coiling Doors And Grilles	08 33	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 39 00-0094	EA		11' x 12', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add For 304 Stainless Steel Side Frame Tower, Add For 316 Stainless Steel Side Frame Tower, Add	18,230.30 675.00 1,100.00 2,750.00 4,400.00 6,600.00	650.18
08 33 39 00-0095	EA		11' x 13', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add For 304 Stainless Steel Side Frame Tower, Add For 316 Stainless Steel Side Frame Tower, Add	18,913.86 675.00 1,100.00 2,750.00 4,400.00 6,600.00	665.55
08 33 39 00-0096	EA		11' x 14', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add For 304 Stainless Steel Side Frame Tower, Add For 316 Stainless Steel Side Frame Tower, Add	19,679.00 675.00 1,100.00 2,750.00 4,400.00 6,600.00	680.92
08 33 39 00-0097 12' Wide, 3 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® Fast-Seal®) (08 33 39 00-0064)					
08 33 39 00-0098	EA		12' x 8', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add For 304 Stainless Steel Side Frame Tower, Add For 316 Stainless Steel Side Frame Tower, Add	16,589.71 675.00 1,100.00 2,750.00 4,400.00 6,600.00	604.06
08 33 39 00-0099	EA		12' x 9', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add For 304 Stainless Steel Side Frame Tower, Add For 316 Stainless Steel Side Frame Tower, Add	16,945.83 675.00 1,100.00 2,750.00 4,400.00 6,600.00	619.43
08 33 39 00-0100	EA		12' x 10', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add For 304 Stainless Steel Side Frame Tower, Add For 316 Stainless Steel Side Frame Tower, Add	17,505.96 675.00 1,100.00 2,750.00 4,400.00 6,600.00	634.80
08 33 39 00-0101	EA		12' x 11', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add For 304 Stainless Steel Side Frame Tower, Add For 316 Stainless Steel Side Frame Tower, Add	18,230.30 675.00 1,100.00 2,750.00 4,400.00 6,600.00	650.18
08 33 39 00-0102	EA		12' x 12', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add For 304 Stainless Steel Side Frame Tower, Add For 316 Stainless Steel Side Frame Tower, Add	18,913.86 675.00 1,100.00 2,750.00 4,400.00 6,600.00	665.55
08 33 39 00-0103	EA		12' x 13', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add For 304 Stainless Steel Side Frame Tower, Add For 316 Stainless Steel Side Frame Tower, Add	19,679.00 675.00 1,100.00 2,750.00 4,400.00 6,600.00	680.92
08 33 39 00-0104	EA		12' x 14', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add For 304 Stainless Steel Side Frame Tower, Add For 316 Stainless Steel Side Frame Tower, Add	20,226.89 675.00 1,100.00 2,750.00 4,400.00 6,600.00	696.29
08 33 39 00-0105 13' Wide, 3 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® Fast-Seal®) (08 33 39 00-0064)					
08 33 39 00-0106	EA		13' x 8', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add For 304 Stainless Steel Side Frame Tower, Add For 316 Stainless Steel Side Frame Tower, Add	17,366.07 675.00 1,100.00 2,750.00 5,480.00 7,370.00	619.43
08 33 39 00-0107	EA		13' x 9', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add For 304 Stainless Steel Side Frame Tower, Add For 316 Stainless Steel Side Frame Tower, Add	18,084.30 675.00 1,100.00 2,750.00 5,480.00 7,370.00	634.80

08	Openings
08 30	Specialty Doors And Frames
08 33	Coiling Doors And Grilles



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 39 00-0108	EA	13' x 10', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	18,764.78	650.18	
		<i>For NEMA 4X Control Box, Add</i>	675.00		
		<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00		
		<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00		
		<i>For 304 Stainless Steel Side Frame Tower, Add</i>	5,480.00		
		<i>For 316 Stainless Steel Side Frame Tower, Add</i>	7,370.00		
08 33 39 00-0109	EA	13' x 11', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	19,556.46	665.55	
		<i>For NEMA 4X Control Box, Add</i>	675.00		
		<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00		
		<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00		
		<i>For 304 Stainless Steel Side Frame Tower, Add</i>	5,480.00		
		<i>For 316 Stainless Steel Side Frame Tower, Add</i>	7,370.00		
08 33 39 00-0110	EA	13' x 12', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	20,345.06	680.92	
		<i>For NEMA 4X Control Box, Add</i>	675.00		
		<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00		
		<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00		
		<i>For 304 Stainless Steel Side Frame Tower, Add</i>	5,480.00		
		<i>For 316 Stainless Steel Side Frame Tower, Add</i>	7,370.00		
08 33 39 00-0111	EA	13' x 13', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	20,928.65	696.29	
		<i>For NEMA 4X Control Box, Add</i>	675.00		
		<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00		
		<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00		
		<i>For 304 Stainless Steel Side Frame Tower, Add</i>	5,480.00		
		<i>For 316 Stainless Steel Side Frame Tower, Add</i>	7,370.00		
08 33 39 00-0112	EA	13' x 14', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	21,370.45	711.67	
		<i>For NEMA 4X Control Box, Add</i>	675.00		
		<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00		
		<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00		
		<i>For 304 Stainless Steel Side Frame Tower, Add</i>	5,480.00		
		<i>For 316 Stainless Steel Side Frame Tower, Add</i>	7,370.00		
08 33 39 00-0113		14' Wide, 3 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® Fast-Seal®)			
		<small>(08 33 39 00-0064)</small>			
08 33 39 00-0114	EA	14' x 8', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	18,084.30	634.80	
		<i>For NEMA 4X Control Box, Add</i>	675.00		
		<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00		
		<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00		
		<i>For 304 Stainless Steel Side Frame Tower, Add</i>	5,480.00		
		<i>For 316 Stainless Steel Side Frame Tower, Add</i>	7,370.00		
08 33 39 00-0115	EA	14' x 9', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	18,764.78	650.18	
		<i>For NEMA 4X Control Box, Add</i>	675.00		
		<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00		
		<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00		
		<i>For 304 Stainless Steel Side Frame Tower, Add</i>	5,480.00		
		<i>For 316 Stainless Steel Side Frame Tower, Add</i>	7,370.00		
08 33 39 00-0116	EA	14' x 10', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	19,556.46	665.55	
		<i>For NEMA 4X Control Box, Add</i>	675.00		
		<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00		
		<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00		
		<i>For 304 Stainless Steel Side Frame Tower, Add</i>	5,480.00		
		<i>For 316 Stainless Steel Side Frame Tower, Add</i>	7,370.00		
08 33 39 00-0117	EA	14' x 11', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	20,345.06	680.92	
		<i>For NEMA 4X Control Box, Add</i>	675.00		
		<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00		
		<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00		
		<i>For 304 Stainless Steel Side Frame Tower, Add</i>	5,480.00		
		<i>For 316 Stainless Steel Side Frame Tower, Add</i>	7,370.00		
08 33 39 00-0118	EA	14' x 12', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	20,928.65	696.29	
		<i>For NEMA 4X Control Box, Add</i>	675.00		
		<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00		
		<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00		
		<i>For 304 Stainless Steel Side Frame Tower, Add</i>	5,480.00		
		<i>For 316 Stainless Steel Side Frame Tower, Add</i>	7,370.00		
08 33 39 00-0119	EA	14' x 13', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	21,370.45	711.67	
		<i>For NEMA 4X Control Box, Add</i>	675.00		
		<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00		
		<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00		
		<i>For 304 Stainless Steel Side Frame Tower, Add</i>	5,480.00		
		<i>For 316 Stainless Steel Side Frame Tower, Add</i>	7,370.00		
08 33 39 00-0120	EA	14' x 14', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	22,030.53	727.04	
		<i>For NEMA 4X Control Box, Add</i>	675.00		
		<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00		
		<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00		
		<i>For 304 Stainless Steel Side Frame Tower, Add</i>	5,480.00		
		<i>For 316 Stainless Steel Side Frame Tower, Add</i>	7,370.00		
08 33 39 00-0121		Rytec® Fast-Seal® Door Options			
		<small>(08 33 39 00-0063)</small>			
08 33 39 00-0122	LF	Strapped Windbar For Rytec® Fast-Seal® High-Speed Rolling Doors	30.60		
		Note: Multiply linear foot price x width of door.			
08 33 39 00-0123	EA	Up To 10' Wide Doors, Roll And Motor Hood For Rytec® Fast-Seal® High-Speed Rolling Doors	331.50		
08 33 39 00-0124	EA	>10' To 15' Wide Doors, Roll And Motor Hood For Rytec® Fast-Seal® High-Speed Rolling Doors	550.80		
08 33 39 00-0125	EA	>15' To 20' Wide Doors, Roll And Motor Hood For Rytec® Fast-Seal® High-Speed Rolling Doors	810.00		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 39 00-0126 EA One 17" x 17", 2mm Thick, Replaceable Polyvinyl Chloride (PVC) Window With Velcro For Rytec® Fast-Seal® High-Speed Rolling Doors	193.80	
08 33 39 00-0127 EA Two 17" x 17", 2mm Thick, Replaceable Polyvinyl Chloride (PVC) Windows With Velcro For Rytec® Fast-Seal® High-Speed Rolling Doors	382.50	
Note: Door must be at least 90" wide.		
08 33 39 00-0128 EA Three 17" x 17", 2mm Thick, Replaceable Polyvinyl Chloride (PVC) Windows With Velcro For Rytec® Fast-Seal® High-Speed Rolling Doors	484.50	
Note: Door must be at least 102" wide.		
08 33 39 00-0129 EA Four 17" x 17", 2mm Thick, Replaceable Polyvinyl Chloride (PVC) Windows With Velcro For Rytec® Fast-Seal® High-Speed Rolling Doors	765.00	
Note: Door must be at least 136" wide.		
08 33 39 00-0130 EA One 24" x 24", 2mm Thick, Replaceable Polyvinyl Chloride (PVC) Window With Velcro For Rytec® Fast-Seal® High-Speed Rolling Doors	224.40	
08 33 39 00-0131 EA Two 24" x 24", 2mm Thick, Replaceable Polyvinyl Chloride (PVC) Windows With Velcro For Rytec® Fast-Seal® High-Speed Rolling Doors	443.70	
Note: Door must be at least 108" wide.		
08 33 39 00-0132 EA Three 24" x 24", 2mm Thick, Replaceable Polyvinyl Chloride (PVC) Windows With Velcro For Rytec® Fast-Seal® High-Speed Rolling Doors	550.80	
Note: Door must be at least 144" wide.		
08 33 39 00-0133 EA Four 24" x 24", 2mm Thick, Replaceable Polyvinyl Chloride (PVC) Windows With Velcro For Rytec® Fast-Seal® High-Speed Rolling Doors	887.40	
Note: Door must be at least 192" wide.		
08 33 39 00-0134	Aluminum Rigid Panels, High-Speed Rolling Doors (Rytec® Spiral®) <small>(08 33 39)</small>	
Note: Door panels are double-walled aluminum slats that are 6" high x 1-3/16" thick. Width is variable. Side frames are galvanized steel with full height weatherseal on both sides. There are extension springs in each column for counterbalance. The drive system is a 2 HP, 208,230/460 Volt, three-phase motor with variable speed AC drive. Opening and closing speeds up to 60" per second.		
08 33 39 00-0135	Aluminum Rigid Panels, High-Speed Rolling Doors (Rytec® Spiral®) <small>(08 33 39 00-0134)</small>	
08 33 39 00-0136	8' Wide, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®) <small>(08 33 39 00-0135)</small>	
08 33 39 00-0137 EA 8' x 8', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	20,087.34	723.42
08 33 39 00-0138 EA 8' x 9', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	20,669.91	738.79
08 33 39 00-0139 EA 8' x 10', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	21,252.47	754.17
08 33 39 00-0140 EA 8' x 11', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	21,836.06	769.54
08 33 39 00-0141 EA 8' x 12', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	22,418.62	784.91
08 33 39 00-0142 EA 8' x 13', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	23,001.18	800.28
08 33 39 00-0143 EA 8' x 14', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	24,686.37	815.65
08 33 39 00-0144	9' Wide, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®) <small>(08 33 39 00-0135)</small>	
08 33 39 00-0145 EA 9' x 8', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	20,669.91	738.79
08 33 39 00-0146 EA 9' x 9', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	21,252.47	754.17
08 33 39 00-0147 EA 9' x 10', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	21,836.06	769.54
08 33 39 00-0148 EA 9' x 11', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	22,418.62	784.91
08 33 39 00-0149 EA 9' x 12', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	23,001.18	800.28
08 33 39 00-0150 EA 9' x 13', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	23,583.75	815.65
08 33 39 00-0151 EA 9' x 14', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	25,268.93	831.03
08 33 39 00-0152	10' Wide, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®) <small>(08 33 39 00-0135)</small>	
08 33 39 00-0153 EA 10' x 8', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	21,252.47	754.17
08 33 39 00-0154 EA 10' x 9', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	21,836.06	769.54
08 33 39 00-0155 EA 10' x 10', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	22,418.62	784.91
08 33 39 00-0156 EA 10' x 11', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	23,001.18	800.28
08 33 39 00-0157 EA 10' x 12', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	23,583.75	815.65
08 33 39 00-0158 EA 10' x 13', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	24,166.31	831.03
08 33 39 00-0159 EA 10' x 14', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	25,851.50	846.40
08 33 39 00-0160	11' Wide, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®) <small>(08 33 39 00-0135)</small>	
08 33 39 00-0161 EA 11' x 8', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	21,836.06	769.54
08 33 39 00-0162 EA 11' x 9', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	22,418.62	784.91
08 33 39 00-0163 EA 11' x 10', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	23,001.18	800.28
08 33 39 00-0164 EA 11' x 11', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	23,583.75	815.65
08 33 39 00-0165 EA 11' x 12', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	24,166.31	831.03
08 33 39 00-0166 EA 11' x 13', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	24,748.88	846.40
08 33 39 00-0167 EA 11' x 14', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	26,433.05	861.77
08 33 39 00-0168	12' Wide, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®) <small>(08 33 39 00-0135)</small>	
08 33 39 00-0169 EA 12' x 8', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	22,418.62	784.91
08 33 39 00-0170 EA 12' x 9', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	23,001.18	800.28

08	Openings
08 30	Specialty Doors And Frames
08 33	Coiling Doors And Grilles



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 39 00-0171 EA 12' x 10', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	23,583.75	815.65
08 33 39 00-0172 EA 12' x 11', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	24,166.31	831.03
08 33 39 00-0173 EA 12' x 12', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	24,748.88	846.40
08 33 39 00-0174 EA 12' x 13', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	25,331.45	861.77
08 33 39 00-0175 EA 12' x 14', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	27,016.64	877.14
08 33 39 00-0176 13' Wide, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®) (08 33 39 00-0135)		
08 33 39 00-0177 EA 13' x 8', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	23,001.18	800.28
08 33 39 00-0178 EA 13' x 9', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	23,583.75	815.65
08 33 39 00-0179 EA 13' x 10', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	24,166.31	831.03
08 33 39 00-0180 EA 13' x 11', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	24,748.88	846.40
08 33 39 00-0181 EA 13' x 12', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	25,331.45	861.77
08 33 39 00-0182 EA 13' x 13', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	25,914.02	877.14
08 33 39 00-0183 EA 13' x 14', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	27,599.20	892.52
08 33 39 00-0184 14' Wide, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®) (08 33 39 00-0135)		
08 33 39 00-0185 EA 14' x 8', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	24,686.37	815.65
08 33 39 00-0186 EA 14' x 9', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	25,268.93	831.03
08 33 39 00-0187 EA 14' x 10', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	25,851.50	846.40
08 33 39 00-0188 EA 14' x 11', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	26,433.05	861.77
08 33 39 00-0189 EA 14' x 12', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	27,016.64	877.14
08 33 39 00-0190 EA 14' x 13', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	27,599.20	892.52
08 33 39 00-0191 EA 14' x 14', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	28,176.67	907.89
08 33 39 00-0192 Rytec® Spiral® Door Options (08 33 39 00-0134)		
08 33 39 00-0193 EA Insulated Slats For Rytec® Spiral® High-Speed Rolling Doors.....	331.50	
Note: Per door price.		
08 33 39 00-0194 EA Up To 13' Wide Doors, 6" High x Width Of Door, Window Slats For Rytec® Spiral® High-Speed Rolling Doors.....	224.40	
Note: Maximum of 4 per door.		
08 33 39 00-0195 EA >13' Wide Doors, 6" High x Width Of Door, Window Slats For Rytec® Spiral® High-Speed Rolling Doors.....	331.50	
Note: Maximum of 4 per door.		
08 33 39 00-0196 EA Right Hand Motor Mount For Rytec® Spiral® High-Speed Rolling Doors.....	641.23	45.22
08 33 39 00-0197 EA Up To 13' Wide Doors, Full Hood For Rytec® Spiral® High-Speed Rolling Doors.....	1,833.25	90.43
08 33 39 00-0198 EA >13' To 16' Wide Doors, Full Hood For Rytec® Spiral® High-Speed Rolling Doors.....	3,266.35	90.43
08 33 39 00-0199 EA >16' Wide Doors, Full Hood For Rytec® Spiral® High-Speed Rolling Doors.....	3,710.05	90.43
08 33 39 00-0200 Activation And Control Box Options For High Speed Doors (08 33 39)		
08 33 39 00-0201 EA Pull Cord For High-Speed Rolling Doors.....	172.03	45.22
08 33 39 00-0202 EA Emergency Stop, Pushbutton Control For High-Speed Rolling Doors.....	126.82	22.60
08 33 39 00-0203 EA NEMA 4 Mushroom Remote Pushbutton Control For High-Speed Rolling Doors.....	157.42	22.60
08 33 39 00-0204 EA On/Off Key Switch, Remote Control For High-Speed Rolling Doors.....	167.62	22.60
08 33 39 00-0205 EA Open/Close/Stop, Remote Pushbutton Control For High-Speed Rolling Doors.....	295.12	22.60
08 33 39 00-0206 EA Radio Control For High-Speed Rolling Doors.....	467.14	40.69
Note: Includes one receiver and two transmitters.		
08 33 39 00-0207 EA Floor Loop For High-Speed Rolling Doors.....	647.99	
Note: Excludes sealant.		
08 33 39 00-0208 EA Reflective Type Photo Eye For High-Speed Rolling Doors.....	405.64	40.69
08 33 39 00-0209 EA Thru-Beam Type Photo Eye For High-Speed Rolling Doors.....	523.24	40.69
08 33 39 00-0210 EA Motion Detector For High-Speed Rolling Doors.....	441.86	27.13
08 33 39 00-0211 EA Remote Warning Horn For High-Speed Rolling Doors.....	314.83	45.22
Note: Includes wall box and mounting hardware.		
08 33 39 00-0212 EA Remote Strobe Light For High-Speed Rolling Doors.....	421.93	45.22
Note: Includes wall box and mounting hardware.		
08 33 39 00-0213 EA Remote Warning Horn And Strobe Light For High-Speed Rolling Doors.....	478.03	45.22
Note: Includes wall box and mounting hardware.		
08 33 39 00-0214 EA Red And Green Red Light For High-Speed Rolling Doors.....	590.23	45.22
Note: Includes mounting hardware.		
08 33 43 Overhead Coiling Smoke Curtains (08 33)		
08 33 43 00-0001 Elevator Smoke Guard (08 33 43)		
08 33 43 00-0002 EA Elevator Smoke Guard, 55" Width Housing (Smoke Guard 400).....	8,151.12	525.47
08 33 43 00-0003 EA Elevator Smoke Guard, 64" Width Housing (Smoke Guard 400).....	8,432.62	525.47
08 33 43 00-0004 EA Elevator Smoke Guard, 73" Width Housing (Smoke Guard 400).....	8,714.12	525.47
08 34 Special Function Doors (08 30)		
08 34 13 Cold Storage Doors (08 34)		
08 34 13 00-0001 Vertical Sliding Doors (08 34 13)		
Note: Doors to be filled with 4" F.I.P. polyurethane.		
08 34 13 00-0002 EA 7'-0" x 8'-0" Single Leaf Vertical Sliding Cold Storage, Filled With 4" F.I.P. Polyurethane.....	6,360.73	878.01
For Adjusting Height Of Door To Fit Opening <7' Height, Add	438.15	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 34 13 00-0003 EA 7'-0" x 9'-0" Bi-Pass Vertical Sliding Cold Storage Door, Filled With 4" F.I.P. Polyurethane..... <i>For Adjusting Height Of Door To Fit Opening <7' Height, Add</i>	8,157.46 557.33	1,114.66
08 34 13 00-0004 Horizontal Sliding Doors (08 34 13) Note: Doors to be filled with 4" F.I.P. polyurethane.		
08 34 13 00-0005 EA 6'-0" x 9'-0" Single Leaf Horizontal Sliding Cold Storage, Filled With 4" F.I.P. Polyurethane.....	5,108.57	701.23
08 34 13 00-0006 EA 7'-0" x 9'-0" Single Leaf Horizontal Sliding Cold Storage, Filled With 4" F.I.P. Polyurethane.....	5,758.07	790.74
08 34 13 00-0007 EA 7'-0" x 9'-0" Bi-Parting Horizontal Sliding Cold Storage, Filled With 4" F.I.P. Polyurethane.....	7,447.12	1,042.09
08 34 13 00-0008 EA 5'-0" x 7'-0" Single Leaf Horizontal Sliding Cold Storage, Filled With 4" F.I.P. Polyurethane.....	4,459.83	637.14
08 34 13 00-0009 Horizontal Hinge Type (08 34 13) Note: Doors to be filled with 4" F.I.P. polyurethane.		
08 34 13 00-0010 EA 3'-0" x 7'-0" Swinging Cold Storage Door, Filled With 4" F.I.P. Polyurethane.....	3,009.51	414.43
08 34 16 Hangar Doors (08 34)		
08 34 16 00-0001 SF 70' To 120' Wide X To 20' High Hanger Door 25' Panels..... Note: Includes motorized opener and special hardware.	46.58	13.87
08 34 16 00-0002 SF 120' To 180' Wide X To 20' High Hanger Door 25' Panels..... Note: Includes motorized opener and special hardware.	42.34	13.87
08 34 16 00-0003 SF 120' To 180' Wide X 20-40' High Hanger Door 25' Panels..... Note: Includes motorized opener and special hardware.	41.66	2.97
08 34 16 00-0004 SF 120' To 180' Wide X 40-60' High Hanger Door 25' Panels..... Note: Includes motorized opener and special hardware.	42.32	1.98
08 34 16 00-0005 SF 120' To 180' Wide X 60-80' High Hanger Door 25' Panels..... Note: Includes motorized opener and special hardware.	44.23	1.98
08 34 16 00-0006 SF 120' To 180' Wide x >80' High Hanger Door 25' Panels..... Note: Includes motorized opener and special hardware.	68.34	1.98
08 34 23 Sidewalk and Basement Doors (08 34)		
08 34 23 00-0001 Drainage Doors (08 34 23)		
08 34 23 00-0002 Single Leaf Aluminum Drainage Doors (08 34 23 00-0001) Note: Bilco - J Series.		
08 34 23 00-0003 EA 2' x 2' Single Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door.....	1,000.15	161.05
08 34 23 00-0004 EA 2' 6" x 2' 6" Single Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door.....	1,227.78	168.29
08 34 23 00-0005 EA 3' x 2' 6" Single Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door.....	1,303.32	171.90
08 34 23 00-0006 EA 3' x 3' Single Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door.....	1,436.26	175.52
08 34 23 00-0007 EA 3' 6" x 3' 6" Single Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door.....	1,672.97	184.57
08 34 23 00-0008 EA 2' 6" x 4' Single Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door.....	1,704.89	180.31
08 34 23 00-0009 EA 3' x 4' Single Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door.....	1,896.11	184.57
08 34 23 00-0010 EA 2' 6" x 5' Single Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door.....	1,978.96	188.81
08 34 23 00-0011 EA 3' x 5' Single Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door.....	2,170.18	193.07
08 34 23 00-0012 EA 3' x 6' Single Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door.....	2,517.99	203.91
08 34 23 00-0013 Double Leaf Aluminum Drainage Doors (08 34 23 00-0001) Note: Bilco - JD Series.		
08 34 23 00-0014 EA 4' x 2' 6" Double Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door.....	2,023.67	180.31
08 34 23 00-0015 EA 4' x 4' Double Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door.....	2,125.55	193.07
08 34 23 00-0016 EA 4' x 6' Double Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door.....	2,693.67	214.76
08 34 23 00-0017 EA 5' x 5' Double Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door.....	2,770.18	214.76
08 34 23 00-0018 Single Leaf Aluminum H2O Drainage Doors (08 34 23 00-0001) Note: Bilco - J H2O Series.		
08 34 23 00-0019 EA 2' x 2' Single Leaf Aluminum H2O Drainage Floor, Vault Or Sidewalk Door.....	1,593.08	161.05
08 34 23 00-0020 EA 2' 6" x 2' 6" Single Leaf Aluminum H2O Drainage Floor, Vault Or Sidewalk Door.....	1,858.96	168.29
08 34 23 00-0021 EA 3' x 2' 6" Single Leaf Aluminum H2O Drainage Floor, Vault Or Sidewalk Door.....	2,023.79	171.90
08 34 23 00-0022 EA 3' x 3' Single Leaf Aluminum H2O Drainage Floor, Vault Or Sidewalk Door.....	2,290.62	175.52
08 34 23 00-0023 EA 3' 6" x 3' 6" Single Leaf Aluminum H2O Drainage Floor, Vault Or Sidewalk Door.....	2,648.46	184.57
08 34 23 00-0024 Double Leaf Aluminum H2O Drainage Doors (08 34 23 00-0001) Note: Bilco - JD H2O Series.		
08 34 23 00-0025 EA 4' x 2' 6" Double Leaf Aluminum H2O Drainage Floor, Vault Or Sidewalk Door (Bilco JD-1ALH2O).....	2,648.48	180.31
08 34 23 00-0026 EA 4' x 4' Double Leaf Aluminum H2O Drainage Floor, Vault Or Sidewalk Door (Bilco JD-2ALH2O).....	3,540.94	193.07
08 34 23 00-0027 EA 4' x 6' Double Leaf Aluminum H2O Drainage Floor, Vault Or Sidewalk Door (Bilco JD-3ALH2O).....	5,033.52	214.76
08 34 23 00-0028 EA 5' x 5' Double Leaf Aluminum H2O Drainage Floor, Vault Or Sidewalk Door (Bilco JD-4ALH2O).....	4,740.24	214.76
08 34 23 00-0029 Single Leaf Steel Drainage Doors (08 34 23 00-0001) Note: Bilco - J Series.		
08 34 23 00-0030 EA 2' x 2' Single Leaf Steel Floor, Vault Or Sidewalk Door (Bilco J-1).....	1,138.02	161.05
08 34 23 00-0031 EA 2' 6" x 2' 6" Single Leaf Steel Drainage Floor, Vault Or Sidewalk Door (Bilco J-2).....	1,195.37	168.29
08 34 23 00-0032 EA 3' x 2' 6" Single Leaf Steel Drainage Floor, Vault Or Sidewalk Door (Bilco J-3).....	1,326.96	171.90
08 34 23 00-0033 EA 3' x 3' Single Leaf Steel Drainage Floor, Vault Or Sidewalk Door (Bilco J-4).....	1,465.22	175.52
08 34 23 00-0034 EA 3' 6" x 3' 6" Single Leaf Steel Drainage Floor, Vault Or Sidewalk Door (Bilco J-5).....	1,697.94	184.57

08	Openings
08 30	Specialty Doors And Frames
08 34	Special Function Doors



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 34 23 00-0035 EA 2' 6" x 4' Single Leaf Steel Drainage Floor, Vault Or Sidewalk Door (Bilco J-6).....	1,618.55	180.31
08 34 23 00-0036 EA 3' x 4' Single Leaf Steel Drainage Floor, Vault Or Sidewalk Door (Bilco J-7).....	1,837.40	184.57
08 34 23 00-0037 EA 2' 6" x 5' Single Leaf Steel Drainage Floor, Vault Or Sidewalk Door (Bilco J-8).....	1,830.46	188.81
08 34 23 00-0038 EA 3' x 5' Single Leaf Steel Drainage Floor, Vault Or Sidewalk Door (Bilco J-9).....	2,036.03	193.07
08 34 23 00-0039 EA 3' x 6' Single Leaf Steel Drainage Floor, Vault Or Sidewalk Door (Bilco J-10).....	2,171.85	203.91
08 34 23 00-0040 Double Leaf Steel Drainage Doors (08 34 23 00-0001)		
Note: Bilco - JD Series.		
08 34 23 00-0041 EA 4' x 2' 6" Double Leaf Steel Drainage Floor, Vault Or Sidewalk Door (Bilco JD-1).....	1,977.18	180.31
08 34 23 00-0042 EA 4' x 4' Double Leaf Steel Drainage Floor, Vault Or Sidewalk Door (Bilco JD-2).....	2,075.88	193.07
08 34 23 00-0043 EA 3' x 2' 6" Double Leaf Steel Drainage Floor, Vault Or Sidewalk Door (Bilco JD-3).....	2,579.97	214.76
08 34 23 00-0044 EA 5' x 5' Double Leaf Steel Drainage Floor, Vault Or Sidewalk Door (Bilco JD-4).....	2,653.03	214.76
08 34 23 00-0045 Single Leaf Steel H2O Drainage Doors (08 34 23 00-0001)		
Note: Bilco - J H2O Series.		
08 34 23 00-0046 EA 2' x 2' Single Leaf Steel H2O Drainage Floor, Vault Or Sidewalk Door (Bilco J-1H2O).....	1,908.40	161.05
08 34 23 00-0047 EA 2' 6" x 2' 6" Single Leaf Steel H2O Drainage Floor, Vault Or Sidewalk Door (Bilco J-2H2O).....	2,018.88	168.29
08 34 23 00-0048 EA 3' x 2' 6" Single Leaf Steel H2O Drainage Floor, Vault Or Sidewalk Door (Bilco J-3H2O).....	2,090.73	171.90
08 34 23 00-0049 EA 3' x 3' Single Leaf Steel H2O Drainage Floor, Vault Or Sidewalk Door (Bilco J-4H2O).....	2,454.79	175.52
08 34 23 00-0050 EA 3' 6" x 3' 6" Single Leaf Steel H2O Drainage Floor, Vault Or Sidewalk Door (Bilco J-5H2O).....	2,886.75	184.57
08 34 23 00-0051 Double Leaf Steel H2O Drainage Doors (08 34 23 00-0001)		
Note: Bilco - JD H2O Series.		
08 34 23 00-0052 EA 4' x 2' 6" Double Leaf Steel H2O Drainage Floor, Vault Or Sidewalk Door (Bilco JD-1H2O).....	3,172.61	180.31
08 34 23 00-0053 EA 4' x 4' Double Leaf Steel H2O Drainage Floor, Vault Or Sidewalk Door (Bilco JD-2H2O).....	3,543.59	193.07
08 34 23 00-0054 EA 4' x 6' Double Leaf Steel H2O Drainage Floor, Vault Or Sidewalk Door (Bilco JD-3H2O).....	5,243.12	214.76
08 34 23 00-0055 EA 5' x 5' Double Leaf Steel H2O Drainage Floor, Vault Or Sidewalk Door (Bilco JD-4H2O).....	5,110.29	214.76
08 34 23 00-0056 Single Leaf Aluminum Drainage Door (08 34 23 00-0001)		
Note: Bilco - J-R (Odor Resistant).		
08 34 23 00-0057 EA 2' x 2' Single Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door, Odor Resistant (Bilco J-1ALR).....	957.35	161.05
08 34 23 00-0058 EA 2' 6" x 2' 6" Single Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door, Odor Resistant (Bilco J-2ALR).....	1,125.64	168.29
08 34 23 00-0059 EA 3' x 2' 6" Single Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door, Odor Resistant (Bilco J-3ALR).....	1,190.81	171.90
08 34 23 00-0060 EA 3' x 3' Single Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door, Odor Resistant (Bilco J-4ALR).....	1,257.14	175.52
08 34 23 00-0061 EA 3' 6" x 3' 6" Single Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door, Odor Resistant (Bilco J-5ALR).....	1,415.49	184.57
08 34 23 00-0062 Non-Drainage Doors (08 34 23)		
08 34 23 00-0063 Single Leaf Aluminum Non-Drainage Doors (08 34 23 00-0062)		
Note: Bilco - Q Series.		
08 34 23 00-0064 EA 2' x 2' Single Leaf Aluminum Non-Drainage Floor, Vault Or Sidewalk Door (Bilco Q-1AL).....	961.96	161.05
08 34 23 00-0065 EA 2' 6" x 2' 6" Single Leaf Aluminum Non-Drainage Floor, Vault Or Sidewalk Door (Bilco Q-2AL).....	1,164.02	168.29
08 34 23 00-0066 EA 2' 6" x 3' Single Leaf Aluminum Non-Drainage Floor, Vault Or Sidewalk Door (Bilco Q-3AL).....	1,246.00	171.90
08 34 23 00-0067 EA 3' x 3' Single Leaf Aluminum Non-Drainage Floor, Vault Or Sidewalk Door (Bilco Q-4AL).....	1,296.03	175.52
08 34 23 00-0068 EA 3' 6" x 3' 6" Single Leaf Aluminum Non-Drainage Floor, Vault Or Sidewalk Door (Bilco Q-5AL).....	1,628.34	184.57
08 34 23 00-0069 EA 2' 6" x 4' Single Leaf Aluminum Non-Drainage Floor, Vault Or Sidewalk Door (Bilco Q-6AL).....	1,469.03	180.31
08 34 23 00-0070 EA 3' x 4' Single Leaf Aluminum Non-Drainage Floor, Vault Or Sidewalk Door (Bilco Q-7AL).....	1,641.09	184.57
08 34 23 00-0071 EA 2' 6" x 5' Single Leaf Aluminum Non-Drainage Floor, Vault Or Sidewalk Door (Bilco Q-8AL).....	1,838.59	188.81
08 34 23 00-0072 EA 3' x 5' Single Leaf Aluminum Non-Drainage Floor, Vault Or Sidewalk Door (Bilco Q-9AL).....	1,947.12	193.07
08 34 23 00-0073 EA 3' x 6' Single Leaf Aluminum Non-Drainage Floor, Vault Or Sidewalk Door (Bilco Q-10AL).....	2,212.21	203.91
08 34 23 00-0074 Single Leaf Aluminum Non-Drainage Doors (08 34 23 00-0062)		
Note: Bilco - K Series.		
08 34 23 00-0075 EA 2' x 2' Single Leaf Aluminum Non-Drainage Floor, Vault Or Sidewalk Door (Bilco K-1).....	789.82	161.05
08 34 23 00-0076 EA 2' 6" x 2' 6" Single Leaf Aluminum Non-Drainage Floor, Vault Or Sidewalk Door (Bilco K-2).....	947.25	168.29
08 34 23 00-0077 EA 3' x 2' 6" Single Leaf Aluminum Non-Drainage Floor, Vault Or Sidewalk Door (Bilco K-3).....	1,048.35	171.90
08 34 23 00-0078 EA 3' x 3' Single Leaf Aluminum Non-Drainage Floor, Vault Or Sidewalk Door (Bilco K-4).....	1,117.51	175.52
08 34 23 00-0079 EA 3' 6" x 3' 6" Single Leaf Aluminum Non-Drainage Floor, Vault Or Sidewalk Door (Bilco K-5).....	1,296.81	184.57
08 34 23 00-0080 Double Leaf Aluminum Non-Drainage Doors (08 34 23 00-0062)		
Note: Bilco - QD Series.		
08 34 23 00-0081 EA 4' x 2' 6" Double Leaf Aluminum Non-Drainage Floor, Vault Or Sidewalk Door (Bilco QD-1AL).....	1,864.32	180.31
08 34 23 00-0082 Double Leaf Aluminum Non-Drainage Doors (08 34 23 00-0062)		
Note: Bilco - KD Series.		
08 34 23 00-0083 EA 4' x 4' Double Leaf Aluminum Non Drainage Floor, Vault Or Sidewalk Door.....	1,787.73	193.07
08 34 23 00-0084 EA 4' x 6' Double Leaf Aluminum Non-Drainage Floor, Vault Or Sidewalk Door (Bilco KD-3).....	2,508.87	214.76
08 34 23 00-0085 EA 5' x 5' Double Leaf Aluminum Non-Drainage Floor, Vault Or Sidewalk Door (Bilco KD-4).....	2,559.88	214.76
08 34 23 00-0086 Single Leaf Aluminum Non-Drainage Doors (08 34 23 00-0062)		
Note: Bilco - T Series.		
08 34 23 00-0087 EA 2' x 2' Single Leaf Aluminum Non-Drainage Door, Floor Installation For Covering (Bilco T-1).....	866.33	161.05
08 34 23 00-0088 EA 2' 6" x 2' 6" Single Leaf Aluminum Non-Drainage Door, Floor Installation For Covering (Bilco T-2).....	1,011.01	168.29



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 34 23 00-0089 EA 3' x 2' 6" Single Leaf Aluminum Non-Drainage Door, Floor Installation For Covering (Bilco T-3)	1,080.23	171.90
08 34 23 00-0090 EA 3' x 3' Single Leaf Aluminum Non-Drainage Door, Floor Installation For Covering (Bilco T-4)	1,181.27	175.52
08 34 23 00-0091 EA 3' 6" x 3' 6" Single Leaf Aluminum Non-Drainage Door, Floor Installation For Covering (Bilco T-5)	1,379.69	184.57
08 34 23 00-0092 Double Leaf Aluminum Non-Drainage Doors (08 34 23 00-0062) Note: Bilco - TD Series.		
08 34 23 00-0093 EA 4' x 4' Double Leaf Aluminum Non-Drainage Door, Floor Installation For Covering (Bilco TD-2).....	1,896.11	193.07
08 34 23 00-0094 EA 4' x 6' Double Leaf Aluminum Non-Drainage Door, Floor Installation For Covering (Bilco TD-3).....	2,642.76	214.76
08 34 23 00-0095 EA 5' x 5' Double Leaf Aluminum Non-Drainage Door, Floor Installation For Covering (Bilco TD-4).....	2,681.01	214.76
08 34 23 00-0096 Single Leaf Steel Non-Drainage Doors (08 34 23 00-0062) Note: Bilco - Q Series.		
08 34 23 00-0097 EA 2' x 2' Single Leaf Steel Non-Drainage Floor, Vault Or Sidewalk Door (Bilco Q-1)	792.74	161.05
08 34 23 00-0098 EA 2' 6" x 2' 6" Single Leaf Steel Non-Drainage Floor, Vault Or Sidewalk Door (Bilco Q-2)	883.23	168.29
08 34 23 00-0099 EA 3' x 2' 6" Single Leaf Steel Non-Drainage Floor, Vault Or Sidewalk Door (Bilco Q-3).....	988.32	171.90
08 34 23 00-0100 EA 3' x 3' Single Leaf Steel Non-Drainage Floor, Vault Or Sidewalk Door (Bilco Q-4).....	1,046.85	175.52
08 34 23 00-0101 EA 3' 6" x 3' 6" Single Leaf Steel Non-Drainage Floor, Vault Or Sidewalk Door (Bilco Q-5)	1,228.76	184.57
08 34 23 00-0102 EA 2' 6" x 4' Single Leaf Steel Non Drainage Floor, Vault Or Sidewalk Door.....	1,186.31	175.52
08 34 23 00-0103 Double Leaf Steel Non-Drainage Doors (08 34 23 00-0062) Note: Bilco - QD Series.		
08 34 23 00-0104 EA 4' x 2' 6" Double Leaf Aluminum Non-Drainage Floor, Vault Or Sidewalk Door (Bilco QD-1).....	1,558.78	180.31
08 34 23 00-0105 Basement Doors (08 34 23) Note: 12 gauge primed steel, center opening, includes assembly and installation hardware.		
08 34 23 00-0106 EA 45-1/4" Wide x 65-1/4" Long, Sloped Wall Basement Door, Factory Primed Metal (Bilco Classic Series).....	1,114.93	203.46
08 34 23 00-0107 EA 30" High x 47" Wide x 58" Long, Basement Door (Bilco Classic Series)	912.72	154.18
08 34 23 00-0108 EA 22" High x 51" Wide x 64" Long, Basement Door (Bilco Classic Series)	952.78	169.55
08 34 23 00-0109 EA 19-1/2" High x 55" Wide x 72" Long, Basement Door (Bilco Classic Series)	1,017.91	180.85
08 34 23 00-0110 EA 52" High x 51" Wide x 43-1/4" Long, Basement Door (Bilco Classic Series)	1,128.20	203.46
08 34 49 Radiation Shielding Doors And Frames (08 34)		
08 34 49 13 Neutron Shielding Doors And Frames (08 34 49)		
08 34 49 13-0001 Lead Lined Doors And Frames (08 34 49 13)		
08 34 49 13-0002 SF 1/16" Thick Laminated Lead In Wood Door	46.52	9.04
08 34 49 13-0003 SF 1/8" Thick Laminated Lead In Wood Door	53.70	9.04
08 34 49 13-0004 LF 1/16" Thick Lead Lined Door Frame	46.23	9.04
08 34 49 13-0005 LF 1/8" Thick Lead Lined Door Frame	48.62	9.04
08 34 53 Security Doors And Frames (08 34)		
08 34 53 00-0001 Metal Security Doors, Bullet Resistant (08 34 53) Note: Includes door, frame, hardware hinges, lockset and cylinder, all UL 753 Listed.		
08 34 53 00-0002 SF Metal Security Door	44.85	7.34
08 34 53 00-0003 EA Up To 3' x 7' (.38 caliber) Medium-Small Arms Metal Security Door	1,807.16	366.45
08 34 53 00-0004 EA Up To 3' x 7' (.44 caliber) Super-Small Arms Metal Security Door.....	2,119.03	389.00
08 34 53 00-0005 Metal Security Doors (08 34 53) Note: Includes standard pitcher handle latch, pneumatic closure, hinges and baked enamel finish.		
08 34 53 00-0006 EA Up To 3' x 7' Steel Narrowline Security Door (Kane Screens S-501-28-O)	665.50	67.12
Note: Top and bottom section are #12 mesh 0.028" stainless steel wire cloth with a bottom kick plate.		
08 34 53 00-0007 EA Up To 3' x 7' Steel Narrowline Security Door (Kane Screens S-503-28-O)	665.50	67.12
Note: Top section is #12 mesh 0.028" stainless steel wire cloth and bottom section is a double kick panel.		
08 34 53 00-0008 EA Up To 3' x 7' Steel Narrowline Security Door (Kane Screens S-504-28-O)	931.15	67.12
Note: Top section includes 1/8" tempered sash unit and #12 mesh 0.028" stainless steel wire cloth. Bottom section is a double kick panel.		
08 34 56 Security Gates (08 34)		
08 34 56 00-0001 Pivoting Double Folding Gate (08 34 56) Note: Includes locking bar, solid steel casters and galvanized finish. Excludes padlock.		
08 34 56 00-0002 EA 6' To 8' Width Opening, 6-1/2' In Use Height, Pivoting Galvanized Double Folding Gate.....	782.34	172.01
08 34 56 00-0003 EA 8' To 10' Width Opening, 6-1/2' In Use Height, Pivoting Galvanized Double Folding Gate.....	878.47	193.51
08 34 56 00-0004 EA 8' To 10' Width Opening, 7' In Use Height, Pivoting Galvanized Double Folding Gate	948.04	215.02
08 34 56 00-0005 EA 8' To 10' Width Opening, 8' In Use Height, Pivoting Galvanized Double Folding Gate	1,044.16	236.51
08 34 56 00-0006 EA 10' To 12' Width Opening, 6-1/2' In Use Height, Pivoting Galvanized Double Folding Gate.....	879.50	174.16
08 34 56 00-0007 EA 10' To 12' Width Opening, 7' In Use Height, Pivoting Galvanized Double Folding Gate.....	949.24	195.66
08 34 56 00-0008 EA 10' To 12' Width Opening, 7-1/2' In Use Height, Pivoting Galvanized Double Folding Gate.....	1,041.02	217.16
08 34 56 00-0009 EA 10' To 12' Width Opening, 8' In Use Height, Pivoting Galvanized Double Folding Gate.....	1,115.36	238.66
08 34 56 00-0010 EA 12' To 14' Width Opening, 6' In Use Height, Pivoting Galvanized Double Folding Gate.....	923.63	176.31
08 34 56 00-0011 EA 12' To 14' Width Opening, 6-1/2' In Use Height, Pivoting Galvanized Double Folding Gate.....	993.13	197.81
08 34 56 00-0012 EA 12' To 14' Width Opening, 7' In Use Height, Pivoting Galvanized Double Folding Gate.....	1,047.92	208.56
08 34 56 00-0013 EA 12' To 14' Width Opening, 7-1/2' In Use Height, Pivoting Galvanized Double Folding Gate.....	1,102.92	219.32

08	Openings
08 30	Specialty Doors And Frames
08 34	Special Function Doors



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 34 56 00-0014 EA 12' To 14' Width Opening, 8' In Use Height, Pivoting Galvanized Double Folding Gate.....	1,179.15	240.82
08 34 56 00-0015 EA 14' To 16' Width Opening, 6' In Use Height, Pivoting Galvanized Double Folding Gate.....	1,007.70	178.46
08 34 56 00-0016 EA 14' To 16' Width Opening, 6-1/2' In Use Height, Pivoting Galvanized Double Folding Gate.....	1,076.97	199.97
08 34 56 00-0017 EA 14' To 16' Width Opening, 7' In Use Height, Pivoting Galvanized Double Folding Gate.....	1,138.33	210.71
08 34 56 00-0018 EA 14' To 16' Width Opening, 7-1/2' In Use Height, Pivoting Galvanized Double Folding Gate.....	1,213.70	221.46
08 34 56 00-0019 EA 14' To 16' Width Opening, 8' In Use Height, Pivoting Galvanized Double Folding Gate.....	1,322.71	242.96
08 34 56 00-0020 EA 16' To 18' Width Opening, 6' In Use Height, Pivoting Galvanized Double Folding Gate.....	1,135.97	182.76
08 34 56 00-0021 EA 16' To 18' Width Opening, 6-1/2' In Use Height, Pivoting Galvanized Double Folding Gate.....	1,222.73	206.41
08 34 56 00-0022 EA 16' To 18' Width Opening, 7' In Use Height, Pivoting Galvanized Double Folding Gate.....	1,314.88	219.32
08 34 56 00-0023 EA 16' To 18' Width Opening, 7-1/2' In Use Height, Pivoting Galvanized Double Folding Gate.....	1,368.55	225.76

08 34 56 00-0024 Pivoting Single Folding Gate (08 34 56)

Note: Includes locking bar, solid steel casters and galvanized finish. Excludes padlock.

08 34 56 00-0025 EA 5' To 6' Width Opening, 6' In Use Height, Pivoting Galvanized Single Folding Gate.....	533.05	120.40
08 34 56 00-0026 EA 5' To 6' Width Opening, 6-1/2' In Use Height, Pivoting Galvanized Single Folding Gate.....	568.20	124.70
08 34 56 00-0027 EA 5' To 6' Width Opening, 7' In Use Height, Pivoting Galvanized Single Folding Gate.....	603.36	129.01
08 34 56 00-0028 EA 5' To 6' Width Opening, 7-1/2' In Use Height, Pivoting Galvanized Single Folding Gate.....	647.15	137.61
08 34 56 00-0029 EA 5' To 6' Width Opening, 8' In Use Height, Pivoting Galvanized Single Folding Gate.....	677.62	146.21
08 34 56 00-0030 EA 6' To 7' Width Opening, 6' In Use Height, Pivoting Galvanized Single Folding Gate.....	568.07	124.70
08 34 56 00-0031 EA 6' To 7' Width Opening, 6-1/2' In Use Height, Pivoting Galvanized Single Folding Gate.....	603.42	129.01
08 34 56 00-0032 EA 6' To 7' Width Opening, 7' In Use Height, Pivoting Galvanized Single Folding Gate.....	638.59	133.31
08 34 56 00-0033 EA 6' To 7' Width Opening, 7-1/2' In Use Height, Pivoting Galvanized Single Folding Gate.....	682.33	141.91
08 34 56 00-0034 EA 6' To 7' Width Opening, 8' In Use Height, Pivoting Galvanized Single Folding Gate.....	713.00	150.51
08 34 56 00-0035 EA 7' To 8' Width Opening, 6' In Use Height, Pivoting Galvanized Single Folding Gate.....	616.51	129.01
08 34 56 00-0036 EA 7' To 8' Width Opening, 6-1/2' In Use Height, Pivoting Galvanized Single Folding Gate.....	651.87	133.31
08 34 56 00-0037 EA 7' To 8' Width Opening, 7' In Use Height, Pivoting Galvanized Single Folding Gate.....	686.98	137.61
08 34 56 00-0038 EA 7' To 8' Width Opening, 7-1/2' In Use Height, Pivoting Galvanized Single Folding Gate.....	730.85	146.21
08 34 56 00-0039 EA 7' To 8' Width Opening, 8' In Use Height, Pivoting Galvanized Single Folding Gate.....	774.82	154.80

08 34 56 00-0040 Window Gates, Expands From 2' To 4' (08 34 56)

Note: Includes padlock hasp and galvanized finish. Excludes padlock.

08 34 56 00-0041 EA 33" High Window Gate, Up To 4' Wide Opening.....	215.85	47.31
08 34 56 00-0042 EA 37" High Window Gate, Up To 4' Wide Opening.....	224.46	51.60
08 34 56 00-0043 EA 40" High Window Gate, Up To 4' Wide Opening.....	224.46	51.60
08 34 56 00-0044 EA 43" High Window Gate, Up To 4' Wide Opening.....	233.58	55.90
08 34 56 00-0045 EA 46" High Window Gate, Up To 4' Wide Opening.....	233.58	55.90
08 34 56 00-0046 EA 49" High Window Gate, Up To 4' Wide Opening.....	242.17	60.20
08 34 56 00-0047 EA 51" High Window Gate, Up To 4' Wide Opening.....	242.18	60.20
08 34 56 00-0048 EA 53" High Window Gate, Up To 4' Wide Opening.....	250.77	64.50
08 34 56 00-0049 EA 55" High Window Gate, Up To 4' Wide Opening.....	250.77	64.50
08 34 56 00-0050 EA 57" High Window Gate, Up To 4' Wide Opening.....	259.38	68.80
08 34 56 00-0051 EA 59" High Window Gate, Up To 4' Wide Opening.....	259.38	68.80

08 34 56 00-0052 Pivoting Door Gate, Expands From 2' To 4' (08 34 56)

Note: Includes padlock hasp and galvanized finish. Excludes padlock.

08 34 56 00-0053 EA 61" High Pivoting Door Gate, Up To 4' Wide Opening.....	267.98	73.11
08 34 56 00-0054 EA 63" High Pivoting Door Gate, Up To 4' Wide Opening.....	269.60	73.11
08 34 56 00-0055 EA 66" High Pivoting Door Gate, Up To 4' Wide Opening.....	280.36	77.41
08 34 56 00-0056 EA 71" High Pivoting Door Gate, Up To 4' Wide Opening.....	291.11	81.71
08 34 56 00-0057 EA 73" High Pivoting Door Gate, Up To 4' Wide Opening.....	293.26	81.71
08 34 56 00-0058 EA 76" High Pivoting Door Gate, Up To 4' Wide Opening.....	304.01	86.00
08 34 56 00-0059 EA 79" High Pivoting Door Gate, Up To 4' Wide Opening.....	306.16	86.00
08 34 56 00-0060 EA 81" High Pivoting Door Gate, Up To 4' Wide Opening.....	316.25	90.30
08 34 56 00-0061 EA 83" High Pivoting Door Gate, Up To 4' Wide Opening.....	319.07	90.30

08 34 73 Sound Control Door Assemblies (08 34)

08 34 73 13 Metal Sound Control Door Assemblies (08 34 73)

08 34 73 13-0001 Steel Acoustical Door Assembly (08 34 73 13)

Note: Includes seal.

08 34 73 13-0002 Steel Acoustical Doors (08 34 73 13-0001)

Note: Includes hinges.

08 34 73 13-0003 EA 3' x 7', 14 Gauge, STC 50, Steel Acoustical Door (Unrated).....	2,040.91	54.26
For 60 Minutes Fire Rated, Add	116.72	
For 3" x 33" Vision Lite, Add	811.07	
For 20" x 64" Vision Lite, Add	867.93	
08 34 73 13-0004 EA 3'-6" x 7', 14 Gauge, STC 52, Steel Acoustical Door (Unrated).....	2,162.16	56.51
For 60 Minutes Fire Rated, Add	116.72	
For 3" x 33" Vision Lite, Add	811.07	
For 20" x 64" Vision Lite, Add	867.93	
08 34 73 13-0005 EA 4' x 7', 14 Gauge, STC 53, Steel Acoustical Door (Unrated).....	2,287.92	61.04
For 60 Minutes Fire Rated, Add	116.72	
For 3" x 33" Vision Lite, Add	811.07	
For 20" x 64" Vision Lite, Add	867.93	



Openings	08	08
Specialty Doors And Frames	08 30	
Special Function Doors	08 34	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 34 73 13-0006 PR Pair 3' x 7', 14 Gauge, STC 50, Steel Acoustical Doors (Unrated) <i>For 1 Hour Fire Rated, Add</i> <i>For 3' x 33" Windows, Add</i> <i>For 20" x 64" Windows, Add</i>	4,070.96 233.44 1,622.14 1,735.86	103.09
08 34 73 13-0007 Steel Acoustical Door Frames (08 34 73 13-0001)		
08 34 73 13-0008 EA 3' x 7', 4-1/2" To 6-1/2" Wall Thickness, 14 Gauge, Split-Frame, Steel Acoustical Door Frame.....	1,695.24	90.43
08 34 73 13-0009 EA 3' x 7', 6-1/2" To 8-1/2" Wall Thickness, 14 Gauge, Split-Frame, Steel Acoustical Door Frame.....	1,738.14	90.43
08 34 73 13-0010 EA 3' x 7', 8-1/2" To 10-1/2" Wall Thickness, 14 Gauge, Split-Frame, Steel Acoustical Door Frame.....	1,781.04	90.43
08 34 73 13-0011 EA 3' x 7', 10-1/2" To 12-1/2" Wall Thickness, 14 Gauge, Split-Frame, Steel Acoustical Door Frame.....	1,823.94	90.43
08 34 73 13-0012 EA 3'-6" x 7', 4-1/2" To 6-1/2" Wall Thickness, 14 Gauge, Split-Frame, Steel Acoustical Door Frame.....	1,936.80	99.47
08 34 73 13-0013 EA 3'-6" x 7', 6-1/2" To 8-1/2" Wall Thickness, 14 Gauge, Split-Frame, Steel Acoustical Door Frame.....	1,984.69	99.47
08 34 73 13-0014 EA 3'-6" x 7', 8-1/2" To 10-1/2" Wall Thickness, 14 Gauge, Split-Frame, Steel Acoustical Door Frame.....	2,027.58	99.47
08 34 73 13-0015 EA 3'-6" x 7', 10-1/2" To 12-1/2" Wall Thickness, 14 Gauge, Split-Frame, Steel Acoustical Door Frame.....	2,080.79	99.47
08 34 73 13-0016 EA 4' x 7', 4-1/2" To 6-1/2" Wall Thickness, 14 Gauge, Split-Frame, Steel Acoustical Door Frame.....	2,180.28	103.99
08 34 73 13-0017 EA 4' x 7', 6-1/2" To 8-1/2" Wall Thickness, 14 Gauge, Split-Frame, Steel Acoustical Door Frame.....	2,223.18	103.99
08 34 73 13-0018 EA 4' x 7', 8-1/2" To 10-1/2" Wall Thickness, 14 Gauge, Split-Frame, Steel Acoustical Door Frame.....	2,266.08	103.99
08 34 73 13-0019 EA 4' x 7', 10-1/2" To 12-1/2" Wall Thickness, 14 Gauge, Split-Frame, Steel Acoustical Door Frame.....	2,313.96	103.99
08 34 73 13-0020 EA 6' x 7', 4-1/2" To 6-1/2" Wall Thickness, 14 Gauge, Split-Frame, Steel Acoustical Door Frame With Removable Center Mullion	3,824.56	117.55
08 34 73 13-0021 EA 6' x 7', 6-1/2" To 8-1/2" Wall Thickness, 14 Gauge, Split-Frame, Steel Acoustical Door Frame With Removable Center Mullion	3,865.46	117.55
08 34 73 13-0022 EA 6' x 7', 8-1/2" To 10-1/2" Wall Thickness, 14 Gauge, Split-Frame, Steel Acoustical Door Frame With Removable Center Mullion	3,909.36	117.55
08 34 73 13-0023 EA 6' x 7', 10-1/2" To 12-1/2" Wall Thickness, 14 Gauge, Split-Frame, Steel Acoustical Door Frame With Removable Center Mullion	3,954.25	117.55
08 34 73 16 Wood Sound Control Door Assemblies (08 34 73)		
08 34 73 16-0001 Wood Acoustical Door Assembly (08 34 73 16) Note: Includes the prefinished door, frame, hinges and seals.		
08 34 73 16-0002 EA 3' x 7', STC 41, Wood Acoustical Door System (Unrated).....	2,099.09	162.77
08 34 73 16-0003 EA 3' x 7', STC 49, Wood Acoustical Door System (Unrated).....	2,847.31	162.77
08 36 Panel Doors (08 30)		
08 36 13 Sectional Doors (08 36)		
08 36 13 00-0001 Sectional Wood Overhead Doors (08 36 13)		
08 36 13 00-0002 Wood Sectional Overhead Doors (08 36 13 00-0001) Note: Includes 1-3/4" door, tracks and hardware. Excludes frame.		
08 36 13 00-0003 EA 8' x 8', Wood Sectional Door, Manual Lift.....	2,198.00	361.71
08 36 13 00-0004 EA 10' x 10', Wood Sectional Door, Manual Lift.....	2,720.12	401.49
08 36 13 00-0005 EA 12' x 12', Wood Sectional Door, Manual Lift.....	3,462.06	481.07
08 36 13 00-0006 EA 14' x 14', Wood Sectional Door, Manual Lift.....	4,951.87	557.03
08 36 13 00-0007 EA 12' x 16', Wood Sectional Door, Manual Lift.....	5,356.61	723.42
08 36 13 00-0008 EA 20' x 8', Wood Sectional Door, Manual Lift.....	5,161.10	904.27
08 36 13 00-0009 EA 20' x 16', Wood Sectional Door, Manual Lift.....	9,299.56	1,205.40
08 36 13 00-0010 Residential Grade, Wood Sectional Overhead Doors (08 36 13 00-0001) Note: Includes 1-3/4" door, tracks and hardware. Excludes frame.		
08 36 13 00-0011 EA 9' x 7', Residential Grade, Wood Sectional Door, Manual Lift..... <i>For Hardboard Face, Add</i> <i>For Insulation, Add</i> <i>For Motor Operator With Remote Controls, Add</i> <i>For Each Glass Vision Panel In Door, Add</i>	1,133.05 115.00 117.00 408.49 50.00	180.85
08 36 13 00-0012 EA 16' x 7', Residential Grade, Wood Sectional Door, Manual Lift..... <i>For Hardboard Face, Add</i> <i>For Insulation, Add</i> <i>For Motor Operator With Remote Controls, Add</i> <i>For Each Glass Vision Panel In Door, Add</i>	1,765.35 115.00 117.00 435.37 50.00	180.85
08 36 13 00-0013 Sectional Metal Overhead Doors (08 36 13) Note: Includes tracks and all hardware.		
08 36 13 00-0014 Galvanized Steel Sectional Overhead Doors (08 36 13 00-0013)		
08 36 13 00-0015 Non-Insulated, 24 Gauge Galvanized Steel Sectional Doors (08 36 13 00-0014) Note: Includes 2" door, tracks and hardware. Excludes frame.		
08 36 13 00-0016 EA 8' x 8', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift..... <i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i> <i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i> <i>For Aluminum, Mill Finish, Add</i> <i>For Aluminum, Anodized Finish, Add</i>	1,112.20 69.48 119.80 54.63 152.86	316.49
08 36 13 00-0017 EA 8' x 10', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift..... <i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i> <i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i> <i>For Aluminum, Mill Finish, Add</i> <i>For Aluminum, Anodized Finish, Add</i>	1,301.92 83.88 144.63 65.95 184.54	361.71

08 Openings**08 30 Specialty Doors And Frames****08 36 Panel Doors**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 36 13 00-0018 EA 8' x 12', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	1,611.57	452.14
For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	102.56	
For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	176.83	
For Aluminum, Mill Finish, Add	80.63	
For Aluminum, Anodized Finish, Add	225.63	
08 36 13 00-0019 EA 10' x 8', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	1,257.70	361.71
For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	77.47	
For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	133.57	
For Aluminum, Mill Finish, Add	60.91	
For Aluminum, Anodized Finish, Add	170.44	
08 36 13 00-0020 EA 10' x 10', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	1,554.93	452.14
For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	94.35	
For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	162.67	
For Aluminum, Mill Finish, Add	74.18	
For Aluminum, Anodized Finish, Add	207.56	
08 36 13 00-0021 EA 10' x 12', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	1,971.31	587.78
For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	115.38	
For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	198.94	
For Aluminum, Mill Finish, Add	90.72	
For Aluminum, Anodized Finish, Add	253.84	
08 36 13 00-0022 EA 10' x 14', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	2,352.78	723.42
For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	131.36	
For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	226.49	
For Aluminum, Mill Finish, Add	103.28	
For Aluminum, Anodized Finish, Add	288.99	
08 36 13 00-0023 EA 12' x 8', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	1,517.70	452.14
For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	88.95	
For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	153.36	
For Aluminum, Mill Finish, Add	69.93	
For Aluminum, Anodized Finish, Add	195.68	
08 36 13 00-0024 EA 12' x 10', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	1,915.45	587.78
For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	107.28	
For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	184.97	
For Aluminum, Mill Finish, Add	84.35	
For Aluminum, Anodized Finish, Add	236.02	
08 36 13 00-0025 EA 12' x 12', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	2,342.68	723.42
For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	129.90	
For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	223.96	
For Aluminum, Mill Finish, Add	102.13	
For Aluminum, Anodized Finish, Add	285.77	
08 36 13 00-0026 EA 12' x 14', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	2,768.37	859.06
For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	152.29	
For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	262.56	
For Aluminum, Mill Finish, Add	119.73	
For Aluminum, Anodized Finish, Add	335.03	
08 36 13 00-0027 EA 12' x 16', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	3,315.51	1,039.91
For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	179.18	
For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	308.92	
For Aluminum, Mill Finish, Add	140.87	
For Aluminum, Anodized Finish, Add	394.19	
08 36 13 00-0028 EA 14' x 8', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	1,841.75	587.78
For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	96.60	
For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	166.55	
For Aluminum, Mill Finish, Add	75.95	
For Aluminum, Anodized Finish, Add	212.51	
08 36 13 00-0029 EA 14' x 10', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	2,265.87	723.42
For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	118.76	
For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	204.76	
For Aluminum, Mill Finish, Add	93.37	
For Aluminum, Anodized Finish, Add	261.27	
08 36 13 00-0030 EA 14' x 12', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	2,805.26	904.27
For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	144.52	
For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	249.18	
For Aluminum, Mill Finish, Add	113.62	
For Aluminum, Anodized Finish, Add	317.95	
08 36 13 00-0031 EA 14' x 14', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	3,232.49	1,039.91
For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	167.14	
For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	288.17	
For Aluminum, Mill Finish, Add	131.40	
For Aluminum, Anodized Finish, Add	367.70	
08 36 13 00-0032 EA 14' x 16', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	3,700.85	1,175.56
For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	195.71	
For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	337.44	
For Aluminum, Mill Finish, Add	153.87	
For Aluminum, Anodized Finish, Add	430.57	
08 36 13 00-0033 EA 16' x 8', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	2,238.71	723.42
For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	114.82	
For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	197.97	
For Aluminum, Mill Finish, Add	90.27	
For Aluminum, Anodized Finish, Add	252.61	
08 36 13 00-0034 EA 16' x 10', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	2,776.55	904.27
For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	140.36	
For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	242.00	
For Aluminum, Mill Finish, Add	110.35	
For Aluminum, Anodized Finish, Add	308.79	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 36 13 00-0035 EA 16' x 12', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift..... <i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i> <i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i> <i>For Aluminum, Mill Finish, Add</i> <i>For Aluminum, Anodized Finish, Add</i>	3,247.22 169.27 291.85 133.08 372.40	1,039.91
08 36 13 00-0036 EA 16' x 14', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift..... <i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i> <i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i> <i>For Aluminum, Mill Finish, Add</i> <i>For Aluminum, Anodized Finish, Add</i>	3,817.23 212.59 366.53 167.14 467.69	1,175.56
08 36 13 00-0037 EA 16' x 16', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift..... <i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i> <i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i> <i>For Aluminum, Mill Finish, Add</i> <i>For Aluminum, Anodized Finish, Add</i>	4,435.78 249.83 430.74 196.42 549.62	1,356.41
08 36 13 00-0038 EA 18' x 8', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift..... <i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i> <i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i> <i>For Aluminum, Mill Finish, Add</i> <i>For Aluminum, Anodized Finish, Add</i>	2,836.30 149.02 256.94 117.16 327.85	904.27
08 36 13 00-0039 EA 18' x 10', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift..... <i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i> <i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i> <i>For Aluminum, Mill Finish, Add</i> <i>For Aluminum, Anodized Finish, Add</i>	3,354.30 184.80 318.62 145.29 406.56	1,039.91
08 36 13 00-0040 EA 18' x 12', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift..... <i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i> <i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i> <i>For Aluminum, Mill Finish, Add</i> <i>For Aluminum, Anodized Finish, Add</i>	3,987.93 237.34 409.21 186.60 522.15	1,175.56
08 36 13 00-0041 EA 18' x 14', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift..... <i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i> <i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i> <i>For Aluminum, Mill Finish, Add</i> <i>For Aluminum, Anodized Finish, Add</i>	4,607.25 274.69 473.60 215.96 604.32	1,356.41
08 36 13 00-0042 EA 18' x 16', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift..... <i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i> <i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i> <i>For Aluminum, Mill Finish, Add</i> <i>For Aluminum, Anodized Finish, Add</i>	5,274.67 319.02 550.03 250.81 701.84	1,537.27
08 36 13 00-0043 EA 20' x 8', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift..... <i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i> <i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i> <i>For Aluminum, Mill Finish, Add</i> <i>For Aluminum, Anodized Finish, Add</i>	3,232.49 167.14 288.17 131.40 367.70	1,039.91
08 36 13 00-0044 EA 20' x 10', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift..... <i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i> <i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i> <i>For Aluminum, Mill Finish, Add</i> <i>For Aluminum, Anodized Finish, Add</i>	3,750.51 202.91 349.85 159.53 446.41	1,175.56
08 36 13 00-0045 EA 20' x 12', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift..... <i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i> <i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i> <i>For Aluminum, Mill Finish, Add</i> <i>For Aluminum, Anodized Finish, Add</i>	4,547.51 266.03 458.67 209.15 585.26	1,356.41
08 36 13 00-0046 EA 20' x 14', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift..... <i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i> <i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i> <i>For Aluminum, Mill Finish, Add</i> <i>For Aluminum, Anodized Finish, Add</i>	5,166.82 303.38 523.07 238.52 667.43	1,537.27
08 36 13 00-0047 EA 20' x 16', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift..... <i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i> <i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i> <i>For Aluminum, Mill Finish, Add</i> <i>For Aluminum, Anodized Finish, Add</i>	6,225.29 404.41 697.26 317.95 889.70	1,718.12
08 36 13 00-0048 EA 22' x 8', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift..... <i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i> <i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i> <i>For Aluminum, Mill Finish, Add</i> <i>For Aluminum, Anodized Finish, Add</i>	3,613.95 183.11 315.71 143.96 402.85	1,175.56
08 36 13 00-0049 EA 22' x 10', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift..... <i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i> <i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i> <i>For Aluminum, Mill Finish, Add</i> <i>For Aluminum, Anodized Finish, Add</i>	4,380.70 241.84 416.97 190.14 532.05	1,356.41
08 36 13 00-0050 EA 22' x 12', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift..... <i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i> <i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i> <i>For Aluminum, Mill Finish, Add</i> <i>For Aluminum, Anodized Finish, Add</i>	5,131.91 298.32 514.34 234.54 656.30	1,537.27
08 36 13 00-0051 EA 22' x 14', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift..... <i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i> <i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i> <i>For Aluminum, Mill Finish, Add</i> <i>For Aluminum, Anodized Finish, Add</i>	5,974.68 368.07 634.60 289.38 809.75	1,718.12

08	Openings
08 30	Specialty Doors And Frames
08 36	Panel Doors



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 36 13 00-0052 EA 22' x 16', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	6,704.90	1,898.98
For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	421.51	
For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	726.74	
For Aluminum, Mill Finish, Add	331.39	
For Aluminum, Anodized Finish, Add	927.32	
08 36 13 00-0053 EA 24' x 8', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	4,050.95	1,356.41
For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	194.03	
For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	334.53	
For Aluminum, Mill Finish, Add	152.54	
For Aluminum, Anodized Finish, Add	426.86	
08 36 13 00-0054 EA 24' x 10', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	4,841.72	1,537.27
For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	256.24	
For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	441.79	
For Aluminum, Mill Finish, Add	201.46	
For Aluminum, Anodized Finish, Add	563.73	
08 36 13 00-0055 EA 24' x 12', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	5,766.74	1,718.12
For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	337.92	
For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	582.62	
For Aluminum, Mill Finish, Add	265.67	
For Aluminum, Anodized Finish, Add	743.42	
08 36 13 00-0056 EA 24' x 14', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	6,428.69	1,898.98
For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	381.46	
For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	657.69	
For Aluminum, Mill Finish, Add	299.90	
For Aluminum, Anodized Finish, Add	839.21	
08 36 13 00-0057 EA 24' x 16', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	7,172.91	2,079.83
For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	436.92	
For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	753.31	
For Aluminum, Mill Finish, Add	343.51	
For Aluminum, Anodized Finish, Add	961.23	
08 36 13 00-0058 Insulated, 24 Gauge Galvanized Steel Sectional Doors <small>(08 36 13 00-0014)</small>		
Note: Includes 2" door with polystyrene insulation, 26 gauge interior cover, tracks and hardware. Excludes frame.		
08 36 13 00-0059 EA 8' x 8', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	1,340.53	316.49
For Aluminum, Mill Finish, Add	80.66	
For Aluminum, Anodized Finish, Add	225.70	
For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	35.38	
For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	155.66	
08 36 13 00-0060 EA 8' x 10', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	1,585.33	361.71
For Aluminum, Mill Finish, Add	98.26	
For Aluminum, Anodized Finish, Add	274.95	
For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	43.10	
For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	189.62	
08 36 13 00-0061 EA 8' x 12', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	1,953.47	452.14
For Aluminum, Mill Finish, Add	119.61	
For Aluminum, Anodized Finish, Add	334.69	
For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	52.46	
For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	230.82	
08 36 13 00-0062 EA 10' x 8', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	1,553.86	361.71
For Aluminum, Mill Finish, Add	94.67	
For Aluminum, Anodized Finish, Add	264.91	
For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	41.52	
For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	182.70	
08 36 13 00-0063 EA 10' x 10', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	1,914.70	452.14
For Aluminum, Mill Finish, Add	115.19	
For Aluminum, Anodized Finish, Add	322.33	
For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	50.52	
For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	222.29	
08 36 13 00-0064 EA 10' x 12', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	2,444.26	587.78
For Aluminum, Mill Finish, Add	144.63	
For Aluminum, Anodized Finish, Add	404.72	
For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	63.44	
For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	279.11	
08 36 13 00-0065 EA 10' x 14', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	2,869.19	723.42
For Aluminum, Mill Finish, Add	162.15	
For Aluminum, Anodized Finish, Add	453.73	
For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	71.12	
For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	312.92	
08 36 13 00-0066 EA 12' x 8', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	1,855.44	452.14
For Aluminum, Mill Finish, Add	108.43	
For Aluminum, Anodized Finish, Add	303.42	
For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	47.56	
For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	209.26	
08 36 13 00-0067 EA 12' x 10', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	2,332.32	587.78
For Aluminum, Mill Finish, Add	131.87	
For Aluminum, Anodized Finish, Add	369.01	
For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	57.84	
For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	254.49	
08 36 13 00-0068 EA 12' x 12', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	2,849.44	723.42
For Aluminum, Mill Finish, Add	159.90	
For Aluminum, Anodized Finish, Add	447.43	
For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	70.13	
For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	308.57	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 36 13 00-0069	EA		12' x 14', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift..... <i>For Aluminum, Mill Finish, Add</i> <i>For Aluminum, Anodized Finish, Add</i> <i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i> <i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	3,342.41 185.17 518.15 81.21 357.34	859.06
08 36 13 00-0070	EA		14' x 8', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift..... <i>For Aluminum, Mill Finish, Add</i> <i>For Aluminum, Anodized Finish, Add</i> <i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i> <i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	4,055.30 225.20 630.18 98.77 434.61	1,039.91
08 36 13 00-0071	EA		14' x 8', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift..... <i>For Aluminum, Mill Finish, Add</i> <i>For Aluminum, Anodized Finish, Add</i> <i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i> <i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	2,245.26 121.95 341.23 53.49 235.33	587.78
08 36 13 00-0072	EA		14' x 10', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift..... <i>For Aluminum, Mill Finish, Add</i> <i>For Aluminum, Anodized Finish, Add</i> <i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i> <i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	2,779.93 151.97 425.26 66.65 293.28	723.42
08 36 13 00-0073	EA		14' x 12', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift..... <i>For Aluminum, Mill Finish, Add</i> <i>For Aluminum, Anodized Finish, Add</i> <i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i> <i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	3,401.38 181.58 508.11 79.64 350.42	904.27
08 36 13 00-0074	EA		14' x 14', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift..... <i>For Aluminum, Mill Finish, Add</i> <i>For Aluminum, Anodized Finish, Add</i> <i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i> <i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	3,987.98 217.53 608.70 95.41 419.80	1,039.91
08 36 13 00-0075	EA		14' x 16', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift..... <i>For Aluminum, Mill Finish, Add</i> <i>For Aluminum, Anodized Finish, Add</i> <i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i> <i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	4,562.91 252.15 705.56 110.59 486.60	1,175.56
08 36 13 00-0076	EA		16' x 8', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift..... <i>For Aluminum, Mill Finish, Add</i> <i>For Aluminum, Anodized Finish, Add</i> <i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i> <i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	2,704.57 143.38 401.22 62.89 276.70	723.42
08 36 13 00-0077	EA		16' x 10', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift..... <i>For Aluminum, Mill Finish, Add</i> <i>For Aluminum, Anodized Finish, Add</i> <i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i> <i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	3,459.91 188.26 526.78 82.57 363.30	904.27
08 36 13 00-0078	EA		16' x 12', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift..... <i>For Aluminum, Mill Finish, Add</i> <i>For Aluminum, Anodized Finish, Add</i> <i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i> <i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	4,027.50 222.04 621.31 97.38 428.49	1,039.91
08 36 13 00-0079	EA		16' x 14', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift..... <i>For Aluminum, Mill Finish, Add</i> <i>For Aluminum, Anodized Finish, Add</i> <i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i> <i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	4,598.03 256.15 716.77 112.35 494.32	1,175.56
08 36 13 00-0080	EA		16' x 16', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift..... <i>For Aluminum, Mill Finish, Add</i> <i>For Aluminum, Anodized Finish, Add</i> <i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i> <i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	5,410.46 307.53 860.54 134.88 593.48	1,356.41
08 36 13 00-0081	EA		18' x 8', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift..... <i>For Aluminum, Mill Finish, Add</i> <i>For Aluminum, Anodized Finish, Add</i> <i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i> <i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	3,176.02 155.89 436.22 68.37 300.84	904.27
08 36 13 00-0082	EA		18' x 10', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift..... <i>For Aluminum, Mill Finish, Add</i> <i>For Aluminum, Anodized Finish, Add</i> <i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i> <i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	3,871.65 204.27 571.59 89.59 394.20	1,039.91
08 36 13 00-0083	EA		18' x 12', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift..... <i>For Aluminum, Mill Finish, Add</i> <i>For Aluminum, Anodized Finish, Add</i> <i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i> <i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	4,469.25 241.47 675.69 105.91 465.99	1,175.56
08 36 13 00-0084	EA		18' x 14', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift..... <i>For Aluminum, Mill Finish, Add</i> <i>For Aluminum, Anodized Finish, Add</i> <i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i> <i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	5,485.08 316.04 884.34 138.61 609.89	1,356.41
08 36 13 00-0085	EA		18' x 16', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift..... <i>For Aluminum, Mill Finish, Add</i> <i>For Aluminum, Anodized Finish, Add</i> <i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i> <i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	6,050.92 339.31 949.46 148.82 654.80	1,537.27

08 Openings**08 30 Specialty Doors And Frames****08 36 Panel Doors**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 36 13 00-0086 EA 20' x 8', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	3,857.75	1,039.91
For Aluminum, Mill Finish, Add	202.68	
For Aluminum, Anodized Finish, Add	567.16	
For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	88.90	
For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	391.14	
08 36 13 00-0087 EA 20' x 10', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	4,501.46	1,175.56
For Aluminum, Mill Finish, Add	245.14	
For Aluminum, Anodized Finish, Add	685.96	
For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	107.52	
For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	473.08	
08 36 13 00-0088 EA 20' x 12', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	5,635.07	1,356.41
For Aluminum, Mill Finish, Add	333.13	
For Aluminum, Anodized Finish, Add	932.19	
For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	146.11	
For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	642.89	
08 36 13 00-0089 EA 20' x 14', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	6,184.81	1,537.27
For Aluminum, Mill Finish, Add	354.57	
For Aluminum, Anodized Finish, Add	992.17	
For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	155.51	
For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	684.26	
08 36 13 00-0090 EA 20' x 16', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	7,129.66	1,718.12
For Aluminum, Mill Finish, Add	421.05	
For Aluminum, Anodized Finish, Add	1,178.19	
For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	184.67	
For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	812.55	
08 36 13 00-0091 EA 22' x 8', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	4,260.74	1,175.56
For Aluminum, Mill Finish, Add	217.70	
For Aluminum, Anodized Finish, Add	609.17	
For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	95.48	
For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	420.12	
08 36 13 00-0092 EA 22' x 10', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	5,188.77	1,356.41
For Aluminum, Mill Finish, Add	282.26	
For Aluminum, Anodized Finish, Add	789.82	
For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	123.80	
For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	544.70	
08 36 13 00-0093 EA 22' x 12', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	6,104.34	1,537.27
For Aluminum, Mill Finish, Add	345.40	
For Aluminum, Anodized Finish, Add	966.50	
For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	151.49	
For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	666.55	
08 36 13 00-0094 EA 22' x 14', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	6,852.37	1,718.12
For Aluminum, Mill Finish, Add	389.44	
For Aluminum, Anodized Finish, Add	1,089.74	
For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	170.81	
For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	751.54	
08 36 13 00-0095 EA 22' x 16', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	7,767.91	1,898.98
For Aluminum, Mill Finish, Add	452.58	
For Aluminum, Anodized Finish, Add	1,266.42	
For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	198.50	
For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	873.39	
08 36 13 00-0096 EA 24' x 8', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	4,784.16	1,356.41
For Aluminum, Mill Finish, Add	236.13	
For Aluminum, Anodized Finish, Add	660.75	
For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	103.57	
For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	455.69	
08 36 13 00-0097 EA 24' x 10', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	5,793.39	1,537.27
For Aluminum, Mill Finish, Add	309.95	
For Aluminum, Anodized Finish, Add	867.31	
For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	135.94	
For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	598.14	
08 36 13 00-0098 EA 24' x 12', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	6,667.27	1,718.12
For Aluminum, Mill Finish, Add	368.33	
For Aluminum, Anodized Finish, Add	1,030.69	
For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	161.55	
For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	710.82	
08 36 13 00-0099 EA 24' x 14', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	7,584.27	1,898.98
For Aluminum, Mill Finish, Add	431.64	
For Aluminum, Anodized Finish, Add	1,207.84	
For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	189.32	
For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	832.99	
08 36 13 00-0100 EA 24' x 16', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	8,488.86	2,079.83
For Aluminum, Mill Finish, Add	493.53	
For Aluminum, Anodized Finish, Add	1,381.01	
For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	216.46	
For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	952.42	
08 36 13 00-0101 Residential Grade, Galvanized Steel Sectional Overhead Doors <small>(08 36 13 00-0013)</small>		
Note: Includes track and hardware. Excludes frame.		
08 36 13 00-0102 EA 9' x 7', Non Insulated, 25 Gauge Residential Grade Galvanized Steel Sectional Door, Manual Lift.....	1,002.04	180.85
For Aluminum And Fiberglass, Add	170.47	
For Each Glass Vision Panel In Door, Add	27.00	
For Insulated Door, Add	291.45	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 36 13 00-0103 EA 9' x 8', Non Insulated, 25 Gauge Residential Grade Galvanized Steel Sectional Door, Manual Lift <i>For Aluminum And Fiberglass, Add</i> <i>For Each Glass Vision Panel In Door, Add</i> <i>For Insulated Door, Add</i>	1,100.73 201.06 27.00 343.75	180.85
08 36 13 00-0104 EA 16' x 7', Non Insulated, 25 Gauge Residential Grade Galvanized Steel Sectional Door, Manual Lift <i>For Aluminum And Fiberglass, Add</i> <i>For Each Glass Vision Panel In Door, Add</i> <i>For Insulated Door, Add</i>	1,425.54 281.91 27.00 481.98	206.90
08 36 13 00-0105 EA 16' x 8', Non Insulated, 25 Gauge Residential Grade Galvanized Steel Sectional Door, Manual Lift <i>For Aluminum And Fiberglass, Add</i> <i>For Each Glass Vision Panel In Door, Add</i> <i>For Insulated Door, Add</i>	1,580.61 329.99 27.00 564.17	206.90
08 36 13 00-0106 Remove And Reinstall Sectional Metal Overhead Doors And Supports (08 36 13 00-0013) <small>Note: Includes storage, cleaning and supply materials.</small>		
08 36 13 00-0107 SF Removal And Reinstallation Of Sectional Metal Overhead Door And Supports		12.89
08 36 13 00-0108 Sectional Fiberglass Overhead Doors (08 36 13)		
08 36 13 00-0109 Fiberglass Sectional Overhead Doors (08 36 13 00-0108)		
08 36 13 00-0110 Non-Insulated, Fiberglass Sectional Doors (08 36 13 00-0109) <small>Note: Includes 2" door, tracks and hardware. Excludes frame.</small>		
08 36 13 00-0111 EA 8' x 8', Non Insulated, Fiberglass Sectional Door, Manual Lift	1,519.36	316.49
08 36 13 00-0112 EA 8' x 10', Non Insulated, Fiberglass Sectional Door, Manual Lift	1,791.93	361.71
08 36 13 00-0113 EA 8' x 12', Non Insulated, Fiberglass Sectional Door, Manual Lift	2,140.42	452.14
08 36 13 00-0114 EA 10' x 8', Non Insulated, Fiberglass Sectional Door, Manual Lift	1,774.44	361.71
08 36 13 00-0115 EA 10' x 10', Non Insulated, Fiberglass Sectional Door, Manual Lift	2,096.57	406.93
08 36 13 00-0116 EA 10' x 12', Non Insulated, Fiberglass Sectional Door, Manual Lift	2,662.40	565.17
08 36 13 00-0117 EA 10' x 14', Non Insulated, Fiberglass Sectional Door, Manual Lift	3,230.62	723.42
08 36 13 00-0118 EA 12' x 8', Non Insulated, Fiberglass Sectional Door, Manual Lift	2,115.64	452.14
08 36 13 00-0119 EA 12' x 10', Non Insulated, Fiberglass Sectional Door, Manual Lift	2,652.20	565.17
08 36 13 00-0120 EA 12' x 12', Non Insulated, Fiberglass Sectional Door, Manual Lift	3,182.66	678.20
08 36 13 00-0121 EA 12' x 14', Non Insulated, Fiberglass Sectional Door, Manual Lift	3,938.28	904.27
08 36 13 00-0122 EA 12' x 16', Non Insulated, Fiberglass Sectional Door, Manual Lift	4,606.87	1,085.13
08 36 13 00-0123 EA 14' x 8', Non Insulated, Fiberglass Sectional Door, Manual Lift	2,637.49	633.00
08 36 13 00-0124 EA 14' x 10', Non Insulated, Fiberglass Sectional Door, Manual Lift	3,169.39	723.42
08 36 13 00-0125 EA 14' x 12', Non Insulated, Fiberglass Sectional Door, Manual Lift	3,885.80	904.27
08 36 13 00-0126 EA 14' x 14', Non Insulated, Fiberglass Sectional Door, Manual Lift	4,601.04	1,085.13
08 36 13 00-0127 EA 14' x 16', Non Insulated, Fiberglass Sectional Door, Manual Lift	5,137.14	1,175.56
08 36 13 00-0128 EA 16' x 8', Non Insulated, Fiberglass Sectional Door, Manual Lift	2,998.84	723.42
08 36 13 00-0129 EA 16' x 10', Non Insulated, Fiberglass Sectional Door, Manual Lift	3,564.87	813.85
08 36 13 00-0130 EA 16' x 12', Non Insulated, Fiberglass Sectional Door, Manual Lift	4,320.93	994.71
08 36 13 00-0131 EA 16' x 14', Non Insulated, Fiberglass Sectional Door, Manual Lift	5,068.63	1,175.56
08 36 13 00-0132 EA 16' x 16', Non Insulated, Fiberglass Sectional Door, Manual Lift	5,636.50	1,265.98
08 36 13 00-0133 Insulated, Fiberglass Sectional Doors (08 36 13 00-0109) <small>Note: Includes 2" door with polystyrene insulation, tracks and hardware. Excludes frame.</small>		
08 36 13 00-0134 EA 8' x 8', Insulated, Fiberglass Sectional Door, Manual Lift	1,811.84	316.49
08 36 13 00-0135 EA 8' x 10', Insulated, Fiberglass Sectional Door, Manual Lift	2,144.54	361.71
08 36 13 00-0136 EA 8' x 12', Insulated, Fiberglass Sectional Door, Manual Lift	2,548.34	452.14
08 36 13 00-0137 EA 10' x 8', Insulated, Fiberglass Sectional Door, Manual Lift	2,121.27	361.71
08 36 13 00-0138 EA 10' x 10', Insulated, Fiberglass Sectional Door, Manual Lift	2,519.90	406.93
08 36 13 00-0139 EA 10' x 12', Insulated, Fiberglass Sectional Door, Manual Lift	3,167.98	565.17
08 36 13 00-0140 EA 10' x 14', Insulated, Fiberglass Sectional Door, Manual Lift	3,819.42	723.42
08 36 13 00-0141 EA 12' x 8', Insulated, Fiberglass Sectional Door, Manual Lift	2,515.39	452.14
08 36 13 00-0142 EA 12' x 10', Insulated, Fiberglass Sectional Door, Manual Lift	3,154.41	565.17
08 36 13 00-0143 EA 12' x 12', Insulated, Fiberglass Sectional Door, Manual Lift	3,785.42	678.20
08 36 13 00-0144 EA 12' x 14', Insulated, Fiberglass Sectional Door, Manual Lift	4,641.09	904.27
08 36 13 00-0145 EA 12' x 16', Insulated, Fiberglass Sectional Door, Manual Lift	5,411.18	1,085.13
08 36 13 00-0146 EA 14' x 8', Insulated, Fiberglass Sectional Door, Manual Lift	3,090.16	633.00
08 36 13 00-0147 EA 14' x 10', Insulated, Fiberglass Sectional Door, Manual Lift	3,737.99	723.42
08 36 13 00-0148 EA 14' x 12', Insulated, Fiberglass Sectional Door, Manual Lift	4,571.29	904.27
08 36 13 00-0149 EA 14' x 14', Insulated, Fiberglass Sectional Door, Manual Lift	5,403.42	1,085.13
08 36 13 00-0150 EA 14' x 16', Insulated, Fiberglass Sectional Door, Manual Lift	6,056.90	1,175.56
08 36 13 00-0151 EA 16' x 8', Insulated, Fiberglass Sectional Door, Manual Lift	3,511.16	723.42
08 36 13 00-0152 EA 16' x 10', Insulated, Fiberglass Sectional Door, Manual Lift	4,204.18	813.85
08 36 13 00-0153 EA 16' x 12', Insulated, Fiberglass Sectional Door, Manual Lift	5,090.13	994.71
08 36 13 00-0154 EA 16' x 14', Insulated, Fiberglass Sectional Door, Manual Lift	5,965.78	1,175.56
08 36 13 00-0155 EA 16' x 16', Insulated, Fiberglass Sectional Door, Manual Lift	6,661.14	1,265.98
08 36 13 00-0156 Sectional Overhead Door Accessories (08 36 13)		
08 36 13 00-0157 Sectional Overhead Door Accessories (08 36 13 00-0156) <small>See CSI section 08 33 26 00-0052 for safety edge bottom bar.</small>		
08 36 13 00-0158 LF Flap Seal For Sectional Overhead Doors	3.10	
08 36 13 00-0159 LF Weather Seal At Top Of Door For Sectional Overhead Doors	4.38	
08 36 13 00-0160 LF Astragal Only, Weather Strip At Bottom Of Door For Sectional Overhead Doors	2.61	

08 Openings**08 30 Specialty Doors And Frames****08 36 Panel Doors**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 36 13 00-0161 EA Cylinder Lock For Sectional Overhead Doors.....	249.98	
08 36 13 00-0162 EA Manual Chain Hoist For Sectional Overhead Doors	425.31	
08 36 13 00-0163 EA Electric Chain Lift Operator For Sectional Overhead Doors.....	1,619.31	
Note: Includes motor, supports, push button operator, stationary electronic eye, signal wiring from eye to motor and motor to operator.		
08 36 13 00-0164 EA 1/2 HP Trolley Operator For Sectional Overhead Doors.....	772.72	
Note: Includes motor, supports, push button operator, stationary electronic eye, signal wiring from eye to motor and motor to operator.		
08 36 13 00-0165 SF Up To 2 SF Per Window 1/8" Double Strength Glass (DSB) Glazing For Sectional Overhead Doors	19.06	
Note: Additional cost for factory supplied.		
08 36 13 00-0166 SF >2 SF Per Window 1/8" Double Strength Glass (DSB) Glazing For Sectional Overhead Doors.....	11.89	
Note: Additional cost for factory supplied.		
08 36 13 00-0167 SF Up To 2 SF Per Window 1/8" Plexiglas Glazing For Sectional Overhead Doors	19.93	
Note: Additional cost for factory supplied.		
08 36 13 00-0168 SF >2 SF Per Window 1/8" Plexiglas Glazing For Sectional Overhead Doors.....	13.59	
Note: Additional cost for factory supplied.		
08 36 13 00-0169 SF Up To 2 SF Per Window 3/4" Insulated Glazing For Sectional Overhead Doors	32.06	
Note: Additional cost for factory supplied.		
08 36 13 00-0170 SF >2 SF Per Window 3/4" Insulated Glazing For Sectional Overhead Doors.....	21.64	
Note: Additional cost for factory supplied.		
08 36 13 00-0171 EA Vertical Lift Track For Sectional Overhead Doors Up To 12' High Door	346.99	
Note: Includes additional installation of vertical track, spring bumpers, counterweights and vertical lift springs.		
08 36 13 00-0172 EA Vertical Lift Track For Sectional Overhead Doors >12' To 16' High Door	536.82	
Note: Includes additional installation of vertical track, spring bumpers, counterweights and vertical lift springs.		
08 36 13 00-0173 EA Vertical Lift Track For Sectional Overhead Doors >16' To 20' High Door	816.42	
Note: Includes additional installation of vertical track, spring bumpers, counterweights and vertical lift springs.		
08 36 13 00-0174 SF 25,000 Cycle Spring In Lieu Of 10,000 Cycle For Sectional Overhead Doors.....	0.80	
Note: Additional cost for factory supplied/installed spring. Per SF of Door.		
08 36 13 00-0175 SF 50,000 Cycle Spring In Lieu Of 10,000 Cycle For Sectional Overhead Doors.....	1.03	
Note: Additional cost for factory supplied/installed spring. Per SF of Door.		
08 36 13 00-0176 SF 100,000 Cycle Spring In Lieu Of 10,000 Cycle For Sectional Overhead Doors.....	1.36	
Note: Additional cost for factory supplied/installed spring. Per SF of Door.		

08 38 Traffic Doors (08 30)**08 38 13 Flexible Strip Doors** (08 38)**08 38 13 00-0001 Clear Polyvinyl Chloride (PVC) Strip Doors** (08 38 13)

08 38 13 00-0002 SF 8" Smooth Strip, 0.080" Thick, 50% Overlap, Clear Polyvinyl Chloride (PVC) Strip Door.....	8.44	4.52
For Cooler/Freezer Doors, USDA Grade, Add	0.39	
Note: Low temperature to -40 degree F.		
For Ribbed Strip Material, Add	0.82	
08 38 13 00-0003 SF 8" Smooth Strip, 0.080" Thick, 100% Overlap, Clear Polyvinyl Chloride (PVC) Strip Door.....	10.50	4.97
For Cooler/Freezer Doors, USDA Grade, Add	0.55	
Note: Low temperature to -40 degree F.		
For Ribbed Strip Material, Add	1.16	
08 38 13 00-0004 SF 12" Smooth Strip, 0.120" Thick, 66% Overlap, Clear Polyvinyl Chloride (PVC) Strip Door.....	9.46	4.52
For Cooler/Freezer Doors, USDA Grade, Add	0.49	
Note: Low temperature to -40 degree F.		
For Ribbed Strip Material, Add	1.04	
08 38 13 00-0005 SF 12" Smooth Strip, 0.120" Thick, 100% Overlap, Clear Polyvinyl Chloride (PVC) Strip Door.....	11.17	4.97
For Cooler/Freezer Doors, USDA Grade, Add	0.62	
Note: Low temperature to -40 degree F.		
For Ribbed Strip Material, Add	1.30	
08 38 13 00-0006 SF 16" Smooth Strip, 0.160" Thick, 75% Overlap, Clear Polyvinyl Chloride (PVC) Strip Door.....	10.80	4.52
For Cooler/Freezer Doors, USDA Grade, Add	0.63	
Note: Low temperature to -40 degree F.		
For Ribbed Strip Material, Add	1.32	

08 38 13 00-0007 Clear Polyvinyl Chloride (PVC) Replacement Strips (08 38 13)

08 38 13 00-0008 EA 8" Smooth Strip, 0.080" Thick, 7' Long, Replacement Strip	21.58	9.04
For Cooler/Freezer Doors, USDA Grade, Add	1.25	
Note: Low temperature to -40 degree F.		
For Ribbed Strip Material, Add	2.63	
08 38 13 00-0009 EA 8" Smooth Strip, 0.080" Thick, 8' Long, Replacement Strip	23.46	9.04
For Cooler/Freezer Doors, USDA Grade, Add	1.44	
Note: Low temperature to -40 degree F.		
For Ribbed Strip Material, Add	3.03	
08 38 13 00-0010 EA 12" Smooth Strip, 0.120" Thick, 8' Long, Replacement Strip	41.74	9.04
For Cooler/Freezer Doors, USDA Grade, Add	3.27	
Note: Low temperature to -40 degree F.		
For Ribbed Strip Material, Add	6.87	
08 38 13 00-0011 EA 12" Smooth Strip, 0.120" Thick, 10' Long, Replacement Strip	49.67	9.04
For Cooler/Freezer Doors, USDA Grade, Add	4.06	
Note: Low temperature to -40 degree F.		
For Ribbed Strip Material, Add	8.53	
08 38 13 00-0012 EA 12" Smooth Strip, 0.120" Thick, 12' Long, Replacement Strip	57.88	9.04
For Cooler/Freezer Doors, USDA Grade, Add	4.88	
Note: Low temperature to -40 degree F.		
For Ribbed Strip Material, Add	10.26	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	08 38	13 00-0013	EA	16" Smooth Strip, 0.160" Thick, 15' Long, Replacement Strip <i>For Cooler/Freezer Doors, USDA Grade, Add</i> <i>Note: Low temperature to -40 degree F.</i> <i>For Ribbed Strip Material, Add</i>	93.64 8.46 17.77	9.04
08 38 16				Flexible Traffic Doors <small>(08 38)</small> Note: Impact traffic doors also known as double action traffic doors. Includes hardware. Excludes door frame.		
	08 38	16 00-0001		0.160" Thick, Clear Polyvinyl Chloride (PVC) Flexible Impact Traffic Doors (TMI Mega-Pro) <small>(08 38 16)</small>		
	08 38	16 00-0002		Double Door, 0.160" Thick, Clear Polyvinyl Chloride (PVC) Flexible Impact Traffic Doors <small>(08 38 16 00-0001)</small>		
	08 38	16 00-0003		Double Door, 0.160" Thick, Clear Polyvinyl Chloride (PVC) Flexible Impact Traffic Doors <small>(08 38 16 00-0002)</small>		
	08 38	16 00-0004	EA	72" x 84" Opening, Double Door, 0.160" Thick, Clear Polyvinyl Chloride (PVC) Flexible Impact Traffic Door.....	1,372.62	90.43
	08 38	16 00-0005	EA	72" x 96" Opening, Double Door, 0.160" Thick, Clear Polyvinyl Chloride (PVC) Flexible Impact Traffic Door.....	1,475.06	90.43
	08 38	16 00-0006	EA	96" x 96" Opening, Double Door, 0.160" Thick, Clear Polyvinyl Chloride (PVC) Flexible Impact Traffic Door.....	2,971.84	103.99
	08 38	16 00-0007	EA	96" x 120" Opening, Double Door, 0.160" Thick, Clear Polyvinyl Chloride (PVC) Flexible Impact Traffic Door.....	3,330.66	113.04
	08 38	16 00-0008	EA	108" x 108" Opening, Double Door, 0.160" Thick, Clear Polyvinyl Chloride (PVC) Flexible Impact Traffic Door.....	5,103.54	113.04
	08 38	16 00-0009	EA	108" x 120" Opening, Double Door, 0.160" Thick, Clear Polyvinyl Chloride (PVC) Flexible Impact Traffic Door.....	5,332.88	113.04
	08 38	16 00-0010	EA	120" x 120" Opening, Double Door, 0.160" Thick, Clear Polyvinyl Chloride (PVC) Flexible Impact Traffic Door.....	5,947.23	135.64
	08 38	16 00-0011		Double Door With Impact Plate, 0.160" Thick, Clear Polyvinyl Chloride (PVC) Flexible Impact Traffic Doors <small>(08 38 16 00-0002)</small>		
	08 38	16 00-0012	EA	72" x 84" Opening, Double Door With Impact Plate, 0.160" Thick, Clear Polyvinyl Chloride (PVC) Flexible Impact Traffic Door.....	1,515.23	90.43
	08 38	16 00-0013	EA	72" x 96" Opening, Double Door With Impact Plate, 0.160" Thick, Clear Polyvinyl Chloride (PVC) Flexible Impact Traffic Door.....	1,629.32	90.43
	08 38	16 00-0014	EA	96" x 96" Opening, Double Door With Impact Plate, 0.160" Thick, Clear Polyvinyl Chloride (PVC) Flexible Impact Traffic Door.....	3,497.16	103.99
	08 38	16 00-0015	EA	96" x 120" Opening, Double Door With Impact Plate, 0.160" Thick, Clear Polyvinyl Chloride (PVC) Flexible Impact Traffic Door.....	3,853.65	113.04
	08 38	16 00-0016	EA	108" x 108" Opening, Double Door With Impact Plate, 0.160" Thick, Clear Polyvinyl Chloride (PVC) Flexible Impact Traffic Door.....	5,703.33	113.04
	08 38	16 00-0017	EA	108" x 120" Opening, Double Door With Impact Plate, 0.160" Thick, Clear Polyvinyl Chloride (PVC) Flexible Impact Traffic Door.....	5,936.62	113.04
	08 38	16 00-0018	EA	120" x 120" Opening, Double Door With Impact Plate, 0.160" Thick, Clear Polyvinyl Chloride (PVC) Flexible Impact Traffic Door.....	6,618.91	135.64
	08 38	16 00-0019		0.240" Thick, Double Ply Vinyl Flexible Impact Traffic Doors (Eliaison FMP) <small>(08 38 16)</small> Note: Includes pebble embossed finish and a 14" x 16" vinyl window.		
	08 38	16 00-0020		Single Door, 0.240" Thick, Double Ply Vinyl Flexible Impact Traffic Doors <small>(08 38 16 00-0019)</small>		
	08 38	16 00-0021		84" Height, Single Door, 0.240" Thick, Double Ply Vinyl Flexible Impact Traffic Doors <small>(08 38 16 00-0020)</small>		
	08 38	16 00-0022	EA	24" To 36" Width x 84" Height Opening, Single Door, 0.240" Thick, Double Ply Vinyl Flexible Impact Traffic Doors.....	692.95	49.73
	08 38	16 00-0023	EA	40" To 44" Width x 84" Height Opening, Single Door, 0.240" Thick, Double Ply Vinyl Flexible Impact Traffic Doors.....	742.94	49.73
	08 38	16 00-0024		96" Height, Single Door, 0.240" Thick, Double Ply Vinyl Flexible Impact Traffic Doors <small>(08 38 16 00-0020)</small>		
	08 38	16 00-0025	EA	24" To 36" Width x 96" Height Opening, Single Door, 0.240" Thick, Double Ply Vinyl Flexible Impact Traffic Doors.....	742.94	49.73
	08 38	16 00-0026	EA	40" To 44" Width x 96" Height Opening, Single Door, 0.240" Thick, Double Ply Vinyl Flexible Impact Traffic Doors.....	757.04	49.73
	08 38	16 00-0027		Double Door, 0.240" Thick, Double Ply Vinyl Flexible Impact Traffic Doors <small>(08 38 16 00-0019)</small>		
	08 38	16 00-0028		84" Height, Double Door, 0.240" Thick, Double Ply Vinyl Flexible Impact Traffic Doors <small>(08 38 16 00-0027)</small>		
	08 38	16 00-0029	EA	48" To 72" Width x 84" Height Opening, Double Door, 0.240" Thick, Double Ply Vinyl Flexible Impact Traffic Doors.....	1,358.75	85.91
	08 38	16 00-0030	EA	80" To 88" Width x 84" Height Opening, Double Door, 0.240" Thick, Double Ply Vinyl Flexible Impact Traffic Doors.....	1,458.74	85.91
	08 38	16 00-0031		96" Height, Double Door, 0.240" Thick, Double Ply Vinyl Flexible Impact Traffic Doors <small>(08 38 16 00-0027)</small>		
	08 38	16 00-0032	EA	48" To 72" Width x 96" Height Opening, Double Door, 0.240" Thick, Double Ply Vinyl Flexible Impact Traffic Doors.....	1,458.74	85.91
	08 38	16 00-0033	EA	80" To 88" Width x 96" Height Opening, Double Door, 0.240" Thick, Double Ply Vinyl Flexible Impact Traffic Doors.....	1,486.94	85.91
08 38 19				Rigid Traffic Doors <small>(08 38)</small> Note: Impact traffic doors also known as double action traffic doors. Includes hardware. Excludes door frame.		

08 Openings**08 30 Specialty Doors And Frames****08 38 Traffic Doors**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
08 38 19 00-0001		0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Doors (Eliason LWP-3) <small>(08 38 19)</small>			
		Note: Includes delta formed vertical edges and a 9" x 14" acrylic window.			
08 38 19 00-0002		Single Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Doors <small>(08 38 19 00-0001)</small>			
08 38 19 00-0003		84" Height, Single Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Doors <small>(08 38 19 00-0002)</small>			
08 38 19 00-0004	EA	24" x 84" Opening, Single Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door.....	366.08		49.73
		For Each 14" x 16" Window, Add	22.00		
		For Each 15" x 20" Window, Add	28.00		
		For Each 18" x 30" Window, Add	41.00		
08 38 19 00-0005	EA	28" x 84" Opening, Single Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door.....	389.15		49.73
		For Each 14" x 16" Window, Add	22.00		
		For Each 15" x 20" Window, Add	28.00		
		For Each 18" x 30" Window, Add	41.00		
08 38 19 00-0006	EA	30" x 84" Opening, Single Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door.....	402.66		52.00
		For Each 14" x 16" Window, Add	22.00		
		For Each 15" x 20" Window, Add	28.00		
		For Each 18" x 30" Window, Add	41.00		
08 38 19 00-0007	EA	32" x 84" Opening, Single Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door.....	416.76		52.00
		For Each 14" x 16" Window, Add	22.00		
		For Each 15" x 20" Window, Add	28.00		
		For Each 18" x 30" Window, Add	41.00		
08 38 19 00-0008	EA	36" x 84" Opening, Single Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door.....	435.40		54.26
		For Each 14" x 16" Window, Add	22.00		
		For Each 15" x 20" Window, Add	28.00		
		For Each 18" x 30" Window, Add	41.00		
08 38 19 00-0009	EA	40" x 84" Opening, Single Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door.....	466.16		54.26
		For Each 14" x 16" Window, Add	22.00		
		For Each 15" x 20" Window, Add	28.00		
		For Each 18" x 30" Window, Add	41.00		
08 38 19 00-0010	EA	42" x 84" Opening, Single Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door.....	488.67		61.04
		For Each 14" x 16" Window, Add	22.00		
		For Each 15" x 20" Window, Add	28.00		
		For Each 18" x 30" Window, Add	41.00		
08 38 19 00-0011		96" Height, Single Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Doors <small>(08 38 19 00-0002)</small>			
08 38 19 00-0012	EA	24" x 96" Opening, Single Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door.....	405.82		49.73
		For Each 14" x 16" Window, Add	22.00		
		For Each 15" x 20" Window, Add	28.00		
		For Each 18" x 30" Window, Add	41.00		
08 38 19 00-0013	EA	28" x 96" Opening, Single Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door.....	423.76		49.73
		For Each 14" x 16" Window, Add	22.00		
		For Each 15" x 20" Window, Add	28.00		
		For Each 18" x 30" Window, Add	41.00		
08 38 19 00-0014	EA	30" x 96" Opening, Single Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door.....	438.55		52.00
		For Each 14" x 16" Window, Add	22.00		
		For Each 15" x 20" Window, Add	28.00		
		For Each 18" x 30" Window, Add	41.00		
08 38 19 00-0015	EA	32" x 96" Opening, Single Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door.....	448.80		52.00
		For Each 14" x 16" Window, Add	22.00		
		For Each 15" x 20" Window, Add	28.00		
		For Each 18" x 30" Window, Add	41.00		
08 38 19 00-0016	EA	36" x 96" Opening, Single Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door.....	487.95		54.26
		For Each 14" x 16" Window, Add	22.00		
		For Each 15" x 20" Window, Add	28.00		
		For Each 18" x 30" Window, Add	41.00		
08 38 19 00-0017	EA	40" x 96" Opening, Single Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door.....	495.64		54.26
		For Each 14" x 16" Window, Add	22.00		
		For Each 15" x 20" Window, Add	28.00		
		For Each 18" x 30" Window, Add	41.00		
08 38 19 00-0018	EA	42" x 96" Opening, Single Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door.....	516.87		61.04
		For Each 14" x 16" Window, Add	22.00		
		For Each 15" x 20" Window, Add	28.00		
		For Each 18" x 30" Window, Add	41.00		



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 38 19 00-0019				Double Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Doors <small>(08 38 19 00-0001)</small>		
08 38 19 00-0020				84" Height, Double Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Doors <small>(08 38 19 00-0019)</small>		
08 38 19 00-0021	EA			48" x 84" Opening, Double Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door.....	705.02	85.91
				For Each 14" x 16" Window, Add	22.00	
				For Each 15" x 20" Window, Add	28.00	
				For Each 18" x 30" Window, Add	41.00	
08 38 19 00-0022	EA			56" x 84" Opening, Double Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door.....	751.17	85.91
				For Each 14" x 16" Window, Add	22.00	
				For Each 15" x 20" Window, Add	28.00	
				For Each 18" x 30" Window, Add	41.00	
08 38 19 00-0023	EA			60" x 84" Opening, Double Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door.....	769.11	85.91
				For Each 14" x 16" Window, Add	22.00	
				For Each 15" x 20" Window, Add	28.00	
				For Each 18" x 30" Window, Add	41.00	
08 38 19 00-0024	EA			64" x 84" Opening, Double Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door.....	797.31	85.91
				For Each 14" x 16" Window, Add	22.00	
				For Each 15" x 20" Window, Add	28.00	
				For Each 18" x 30" Window, Add	41.00	
08 38 19 00-0025	EA			72" x 84" Opening, Double Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door.....	834.58	90.43
				For Each 14" x 16" Window, Add	22.00	
				For Each 15" x 20" Window, Add	28.00	
				For Each 18" x 30" Window, Add	41.00	
08 38 19 00-0026	EA			80" x 84" Opening, Double Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door.....	896.11	90.43
				For Each 14" x 16" Window, Add	22.00	
				For Each 15" x 20" Window, Add	28.00	
				For Each 18" x 30" Window, Add	41.00	
08 38 19 00-0027	EA			84" x 84" Opening, Double Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door.....	914.06	90.43
				For Each 14" x 16" Window, Add	22.00	
				For Each 15" x 20" Window, Add	28.00	
				For Each 18" x 30" Window, Add	41.00	
08 38 19 00-0028				96" Height, Double Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Doors <small>(08 38 19 00-0019)</small>		
08 38 19 00-0029	EA			48" x 96" Opening, Double Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door.....	784.49	85.91
				For Each 14" x 16" Window, Add	22.00	
				For Each 15" x 20" Window, Add	28.00	
				For Each 18" x 30" Window, Add	41.00	
08 38 19 00-0030	EA			56" x 96" Opening, Double Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door.....	820.39	85.91
				For Each 14" x 16" Window, Add	22.00	
				For Each 15" x 20" Window, Add	28.00	
				For Each 18" x 30" Window, Add	41.00	
08 38 19 00-0031	EA			60" x 96" Opening, Double Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door.....	840.90	85.91
				For Each 14" x 16" Window, Add	22.00	
				For Each 15" x 20" Window, Add	28.00	
				For Each 18" x 30" Window, Add	41.00	
08 38 19 00-0032	EA			64" x 96" Opening, Double Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door.....	861.40	85.91
				For Each 14" x 16" Window, Add	22.00	
				For Each 15" x 20" Window, Add	28.00	
				For Each 18" x 30" Window, Add	41.00	
08 38 19 00-0033	EA			72" x 96" Opening, Double Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door.....	939.69	90.43
				For Each 14" x 16" Window, Add	22.00	
				For Each 15" x 20" Window, Add	28.00	
				For Each 18" x 30" Window, Add	41.00	
08 38 19 00-0034	EA			80" x 96" Opening, Double Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door.....	955.08	90.43
				For Each 14" x 16" Window, Add	22.00	
				For Each 15" x 20" Window, Add	28.00	
				For Each 18" x 30" Window, Add	41.00	
08 38 19 00-0035	EA			84" x 96" Opening, Double Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door.....	970.46	90.43
				For Each 14" x 16" Window, Add	22.00	
				For Each 15" x 20" Window, Add	28.00	
				For Each 18" x 30" Window, Add	41.00	
08 38 19 00-0036				3/4" Thick, Polymer Cell Core Impact Traffic Doors (Eliason P-11 Plus) <small>(08 38 19)</small>		
				Note: Includes 0.125" thick thermoplastic exterior finish, 14 gauge back channel and a 14" x 16" acrylic window.		
08 38 19 00-0037				Single Door, 3/4" Thick, Polymer Cell Core Impact Traffic Doors <small>(08 38 19 00-0036)</small>		

08	Openings
08 30	Specialty Doors And Frames
08 38	Traffic Doors



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 38 19 00-0038 84" Height, Single Door, 3/4" Thick, Polymer Cell Core Impact Traffic Doors <small>(08 38 19 00-0037)</small>		
08 38 19 00-0039 EA 24" x 84" Opening, Single Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door	601.94	49.73
For Each 15" x 20" Window, Add	6.00	
For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0040 EA 28" x 84" Opening, Single Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door	662.18	49.73
For Each 15" x 20" Window, Add	6.00	
For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0041 EA 30" x 84" Opening, Single Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door	691.07	52.00
For Each 15" x 20" Window, Add	6.00	
For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0042 EA 32" x 84" Opening, Single Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door	716.70	52.00
For Each 15" x 20" Window, Add	6.00	
For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0043 EA 36" x 84" Opening, Single Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door	728.94	54.26
For Each 15" x 20" Window, Add	6.00	
For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0044 EA 40" x 84" Opening, Single Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door	781.49	54.26
For Each 15" x 20" Window, Add	6.00	
For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0045 EA 42" x 84" Opening, Single Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door	842.46	61.04
For Each 15" x 20" Window, Add	6.00	
For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0046 EA 44" x 84" Opening, Single Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door	851.43	61.04
For Each 15" x 20" Window, Add	6.00	
For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0047 96" Height, Single Door, 3/4" Thick, Polymer Cell Core Impact Traffic Doors <small>(08 38 19 00-0037)</small>		
08 38 19 00-0048 EA 24" x 96" Opening, Single Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door	653.21	49.73
For Each 15" x 20" Window, Add	6.00	
For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0049 EA 28" x 96" Opening, Single Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door	716.02	49.73
For Each 15" x 20" Window, Add	6.00	
For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0050 EA 30" x 96" Opening, Single Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door	744.91	52.00
For Each 15" x 20" Window, Add	6.00	
For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0051 EA 32" x 96" Opening, Single Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door	776.95	52.00
For Each 15" x 20" Window, Add	6.00	
For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0052 EA 36" x 96" Opening, Single Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door	804.56	54.26
For Each 15" x 20" Window, Add	6.00	
For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0053 EA 40" x 96" Opening, Single Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door	855.84	54.26
For Each 15" x 20" Window, Add	6.00	
For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0054 EA 42" x 96" Opening, Single Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door	889.89	61.04
For Each 15" x 20" Window, Add	6.00	
For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0055 EA 44" x 96" Opening, Single Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door	921.93	61.04
For Each 15" x 20" Window, Add	6.00	
For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0056 Double Door, 3/4" Thick, Polymer Cell Core Impact Traffic Doors <small>(08 38 19 00-0036)</small>		
08 38 19 00-0057 84" Height, Double Door, 3/4" Thick, Polymer Cell Core Impact Traffic Doors <small>(08 38 19 00-0056)</small>		
08 38 19 00-0058 EA 48" x 84" Opening, Double Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door	1,176.73	85.91
For Each 15" x 20" Window, Add	6.00	
For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0059 EA 56" x 84" Opening, Double Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door	1,297.23	85.91
For Each 15" x 20" Window, Add	6.00	
For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0060 EA 60" x 84" Opening, Double Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door	1,345.94	85.91
For Each 15" x 20" Window, Add	6.00	
For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0061 EA 64" x 84" Opening, Double Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door	1,397.21	85.91
For Each 15" x 20" Window, Add	6.00	
For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0062 EA 72" x 84" Opening, Double Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door	1,421.66	90.43
For Each 15" x 20" Window, Add	6.00	
For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0063 EA 80" x 84" Opening, Double Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door	1,526.77	90.43
For Each 15" x 20" Window, Add	6.00	
For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0064 EA 84" x 84" Opening, Double Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door	1,621.63	90.43
For Each 15" x 20" Window, Add	6.00	
For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0065 EA 88" x 84" Opening, Double Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door	1,639.57	90.43
For Each 15" x 20" Window, Add	6.00	
For Each 18" x 30" Window, Add	19.00	



Openings	08	08
Specialty Doors And Frames	08 30	
Traffic Doors	08 38	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 38 19 00-0066 96" Height, Double Door, 3/4" Thick, Polymer Cell Core Impact Traffic Doors <small>(08 38 19 00-0066)</small>		
08 38 19 00-0067 EA 48" x 96" Opening, Double Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door.....	1,279.28	85.91
For Each 15" x 20" Window, Add	6.00	
For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0068 EA 56" x 96" Opening, Double Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door.....	1,404.90	85.91
For Each 15" x 20" Window, Add	6.00	
For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0069 EA 60" x 96" Opening, Double Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door.....	1,453.61	85.91
For Each 15" x 20" Window, Add	6.00	
For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0070 EA 64" x 96" Opening, Double Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door.....	1,517.70	85.91
For Each 15" x 20" Window, Add	6.00	
For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0071 EA 72" x 96" Opening, Double Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door.....	1,572.92	90.43
For Each 15" x 20" Window, Add	6.00	
For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0072 EA 80" x 96" Opening, Double Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door.....	1,675.46	90.43
For Each 15" x 20" Window, Add	6.00	
For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0073 EA 84" x 96" Opening, Double Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door.....	1,716.48	90.43
For Each 15" x 20" Window, Add	6.00	
For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0074 EA 88" x 96" Opening, Double Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door.....	1,780.57	90.43
For Each 15" x 20" Window, Add	6.00	
For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0075 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Doors (Eliason PMP-2) <small>(08 38 19)</small>		
Note: Includes textured finish, 16 gauge back channel and a 14" x 16" window.		
08 38 19 00-0076 Single Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Doors <small>(08 38 19 00-0076)</small>		
08 38 19 00-0077 84" Height, Single Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Doors <small>(08 38 19 00-0076)</small>		
08 38 19 00-0078 EA 24" x 84" Opening, Single Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door	632.70	49.73
For Each 15" x 20" Window, Add	6.00	
For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0079 EA 28" x 84" Opening, Single Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door	709.61	49.73
For Each 15" x 20" Window, Add	6.00	
For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0080 EA 30" x 84" Opening, Single Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door	734.65	52.00
For Each 15" x 20" Window, Add	6.00	
For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0081 EA 32" x 84" Opening, Single Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door	742.34	52.00
For Each 15" x 20" Window, Add	6.00	
For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0082 EA 36" x 84" Opening, Single Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door	754.57	54.26
For Each 15" x 20" Window, Add	6.00	
For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0083 EA 40" x 84" Opening, Single Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door	826.35	54.26
For Each 15" x 20" Window, Add	6.00	
For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0084 EA 42" x 84" Opening, Single Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door	898.86	61.04
For Each 15" x 20" Window, Add	6.00	
For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0085 EA 44" x 84" Opening, Single Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door	907.83	61.04
For Each 15" x 20" Window, Add	6.00	
For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0086 96" Height, Single Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Doors <small>(08 38 19 00-0076)</small>		
08 38 19 00-0087 EA 24" x 96" Opening, Single Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door	649.37	49.73
For Each 15" x 20" Window, Add	6.00	
For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0088 EA 28" x 96" Opening, Single Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door	744.22	49.73
For Each 15" x 20" Window, Add	6.00	
For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0089 EA 30" x 96" Opening, Single Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door	770.54	52.00
For Each 15" x 20" Window, Add	6.00	
For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0090 EA 32" x 96" Opening, Single Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door	780.80	52.00
For Each 15" x 20" Window, Add	6.00	
For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0091 EA 36" x 96" Opening, Single Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door	787.90	54.26
For Each 15" x 20" Window, Add	6.00	
For Each 18" x 30" Window, Add	19.00	

08	Openings
08 30	Specialty Doors And Frames
08 38	Traffic Doors



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 38 19 00-0092	EA		40" x 96" Opening, Single Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door.....	840.45	54.26
			<i>For Each 15" x 20" Window, Add</i>	6.00	
			<i>For Each 18" x 30" Window, Add</i>	19.00	
08 38 19 00-0093	EA		42" x 96" Opening, Single Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door.....	911.68	61.04
			<i>For Each 15" x 20" Window, Add</i>	6.00	
			<i>For Each 18" x 30" Window, Add</i>	19.00	
08 38 19 00-0094	EA		44" x 96" Opening, Single Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door.....	921.93	61.04
			<i>For Each 15" x 20" Window, Add</i>	6.00	
			<i>For Each 18" x 30" Window, Add</i>	19.00	
08 38 19 00-0095			Double Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Doors <small>(08 38 19 00-0075)</small>		
08 38 19 00-0096			84" Height, Double Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Doors <small>(08 38 19 00-0095)</small>		
08 38 19 00-0097	EA		48" x 84" Opening, Double Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door.....	1,238.26	85.91
			<i>For Each 15" x 20" Window, Add</i>	6.00	
			<i>For Each 18" x 30" Window, Add</i>	19.00	
08 38 19 00-0098	EA		56" x 84" Opening, Double Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door.....	1,392.08	85.91
			<i>For Each 15" x 20" Window, Add</i>	6.00	
			<i>For Each 18" x 30" Window, Add</i>	19.00	
08 38 19 00-0099	EA		60" x 84" Opening, Double Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door.....	1,433.10	85.91
			<i>For Each 15" x 20" Window, Add</i>	6.00	
			<i>For Each 18" x 30" Window, Add</i>	19.00	
08 38 19 00-0100	EA		64" x 84" Opening, Double Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door.....	1,448.48	85.91
			<i>For Each 15" x 20" Window, Add</i>	6.00	
			<i>For Each 18" x 30" Window, Add</i>	19.00	
08 38 19 00-0101	EA		72" x 84" Opening, Double Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door.....	1,472.93	90.43
			<i>For Each 15" x 20" Window, Add</i>	6.00	
			<i>For Each 18" x 30" Window, Add</i>	19.00	
08 38 19 00-0102	EA		80" x 84" Opening, Double Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door.....	1,616.50	90.43
			<i>For Each 15" x 20" Window, Add</i>	6.00	
			<i>For Each 18" x 30" Window, Add</i>	19.00	
08 38 19 00-0103	EA		84" x 84" Opening, Double Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door.....	1,734.43	90.43
			<i>For Each 15" x 20" Window, Add</i>	6.00	
			<i>For Each 18" x 30" Window, Add</i>	19.00	
08 38 19 00-0104	EA		88" x 84" Opening, Double Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door.....	1,752.37	90.43
			<i>For Each 15" x 20" Window, Add</i>	6.00	
			<i>For Each 18" x 30" Window, Add</i>	19.00	
08 38 19 00-0105			96" Height, Double Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Doors <small>(08 38 19 00-0095)</small>		
08 38 19 00-0106	EA		48" x 96" Opening, Double Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door.....	1,271.59	85.91
			<i>For Each 15" x 20" Window, Add</i>	6.00	
			<i>For Each 18" x 30" Window, Add</i>	19.00	
08 38 19 00-0107	EA		56" x 96" Opening, Double Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door.....	1,461.30	85.91
			<i>For Each 15" x 20" Window, Add</i>	6.00	
			<i>For Each 18" x 30" Window, Add</i>	19.00	
08 38 19 00-0108	EA		60" x 96" Opening, Double Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door.....	1,504.88	85.91
			<i>For Each 15" x 20" Window, Add</i>	6.00	
			<i>For Each 18" x 30" Window, Add</i>	19.00	
08 38 19 00-0109	EA		64" x 96" Opening, Double Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door.....	1,525.39	85.91
			<i>For Each 15" x 20" Window, Add</i>	6.00	
			<i>For Each 18" x 30" Window, Add</i>	19.00	
08 38 19 00-0110	EA		72" x 96" Opening, Double Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door.....	1,539.59	90.43
			<i>For Each 15" x 20" Window, Add</i>	6.00	
			<i>For Each 18" x 30" Window, Add</i>	19.00	
08 38 19 00-0111	EA		80" x 96" Opening, Double Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door.....	1,644.70	90.43
			<i>For Each 15" x 20" Window, Add</i>	6.00	
			<i>For Each 18" x 30" Window, Add</i>	19.00	
08 38 19 00-0112	EA		84" x 96" Opening, Double Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door.....	1,760.06	90.43
			<i>For Each 15" x 20" Window, Add</i>	6.00	
			<i>For Each 18" x 30" Window, Add</i>	19.00	
08 38 19 00-0113	EA		88" x 96" Opening, Double Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door.....	1,780.57	90.43
			<i>For Each 15" x 20" Window, Add</i>	6.00	
			<i>For Each 18" x 30" Window, Add</i>	19.00	
08 38 19 00-0114			1" Thick, Exterior Grade Solid Wood Core Impact Traffic Doors (Eliaison SCP-2) <small>(08 38 19)</small>		
			Note: Includes 0.032" tempered aluminum alloy top panel, 48" high 16 gauge stainless steel front and galvanized back base plate, 14 gauge galvanized steel back channel and a 9" x 14" window.		
08 38 19 00-0115			Single Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Doors <small>(08 38 19 00-0114)</small>		
08 38 19 00-0116			84" Height, Single Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Doors <small>(08 38 19 00-0115)</small>		



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 38 19 00-0117	EA			24" x 84" Opening, Single Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door.....	786.52	49.73
				<i>For Each 14" x 16" Window, Add</i>	22.00	
				<i>For Each 15" x 20" Window, Add</i>	28.00	
				<i>For Each 18" x 30" Window, Add</i>	41.00	
08 38 19 00-0118	EA			28" x 84" Opening, Single Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door.....	854.46	49.73
				<i>For Each 14" x 16" Window, Add</i>	22.00	
				<i>For Each 15" x 20" Window, Add</i>	28.00	
				<i>For Each 18" x 30" Window, Add</i>	41.00	
08 38 19 00-0119	EA			30" x 84" Opening, Single Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door.....	876.93	52.00
				<i>For Each 14" x 16" Window, Add</i>	22.00	
				<i>For Each 15" x 20" Window, Add</i>	28.00	
				<i>For Each 18" x 30" Window, Add</i>	41.00	
08 38 19 00-0120	EA			32" x 84" Opening, Single Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door.....	893.60	52.00
				<i>For Each 14" x 16" Window, Add</i>	22.00	
				<i>For Each 15" x 20" Window, Add</i>	28.00	
				<i>For Each 18" x 30" Window, Add</i>	41.00	
08 38 19 00-0121	EA			36" x 84" Opening, Single Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door.....	926.34	54.26
				<i>For Each 14" x 16" Window, Add</i>	22.00	
				<i>For Each 15" x 20" Window, Add</i>	28.00	
				<i>For Each 18" x 30" Window, Add</i>	41.00	
08 38 19 00-0122	EA			40" x 84" Opening, Single Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door.....	958.38	54.26
				<i>For Each 14" x 16" Window, Add</i>	22.00	
				<i>For Each 15" x 20" Window, Add</i>	28.00	
				<i>For Each 18" x 30" Window, Add</i>	41.00	
08 38 19 00-0123	EA			42" x 84" Opening, Single Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door.....	997.56	61.04
				<i>For Each 14" x 16" Window, Add</i>	22.00	
				<i>For Each 15" x 20" Window, Add</i>	28.00	
				<i>For Each 18" x 30" Window, Add</i>	41.00	
08 38 19 00-0124	EA			44" x 84" Opening, Single Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door.....	1,019.35	61.04
				<i>For Each 14" x 16" Window, Add</i>	22.00	
				<i>For Each 15" x 20" Window, Add</i>	28.00	
				<i>For Each 18" x 30" Window, Add</i>	41.00	
08 38 19 00-0125				96" Height, Single Door, 1" Thick, Exterior Grade Solid Wood Core Impact		
				Traffic Doors <small>(08 38 19 00-0115)</small>		
08 38 19 00-0126	EA			24" x 96" Opening, Single Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door.....	844.20	49.73
				<i>For Each 14" x 16" Window, Add</i>	22.00	
				<i>For Each 15" x 20" Window, Add</i>	28.00	
				<i>For Each 18" x 30" Window, Add</i>	41.00	
08 38 19 00-0127	EA			28" x 96" Opening, Single Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door.....	915.99	49.73
				<i>For Each 14" x 16" Window, Add</i>	22.00	
				<i>For Each 15" x 20" Window, Add</i>	28.00	
				<i>For Each 18" x 30" Window, Add</i>	41.00	
08 38 19 00-0128	EA			30" x 96" Opening, Single Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door.....	939.74	52.00
				<i>For Each 14" x 16" Window, Add</i>	22.00	
				<i>For Each 15" x 20" Window, Add</i>	28.00	
				<i>For Each 18" x 30" Window, Add</i>	41.00	
08 38 19 00-0129	EA			32" x 96" Opening, Single Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door.....	948.72	52.00
				<i>For Each 14" x 16" Window, Add</i>	22.00	
				<i>For Each 15" x 20" Window, Add</i>	28.00	
				<i>For Each 18" x 30" Window, Add</i>	41.00	
08 38 19 00-0130	EA			36" x 96" Opening, Single Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door.....	978.89	54.26
				<i>For Each 14" x 16" Window, Add</i>	22.00	
				<i>For Each 15" x 20" Window, Add</i>	28.00	
				<i>For Each 18" x 30" Window, Add</i>	41.00	
08 38 19 00-0131	EA			40" x 96" Opening, Single Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door.....	1,021.19	54.26
				<i>For Each 14" x 16" Window, Add</i>	22.00	
				<i>For Each 15" x 20" Window, Add</i>	28.00	
				<i>For Each 18" x 30" Window, Add</i>	41.00	
08 38 19 00-0132	EA			42" x 96" Opening, Single Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door.....	1,055.24	61.04
				<i>For Each 14" x 16" Window, Add</i>	22.00	
				<i>For Each 15" x 20" Window, Add</i>	28.00	
				<i>For Each 18" x 30" Window, Add</i>	41.00	
08 38 19 00-0133	EA			44" x 96" Opening, Single Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door.....	1,077.03	61.04
				<i>For Each 14" x 16" Window, Add</i>	22.00	
				<i>For Each 15" x 20" Window, Add</i>	28.00	
				<i>For Each 18" x 30" Window, Add</i>	41.00	
08 38 19 00-0134				Double Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic		
				Doors <small>(08 38 19 00-0114)</small>		
08 38 19 00-0135				84" Height, Double Door, 1" Thick, Exterior Grade Solid Wood Core Impact		
				Traffic Doors <small>(08 38 19 00-0134)</small>		
08 38 19 00-0136	EA			48" x 84" Opening, Double Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door.....	1,545.90	85.91
				<i>For Each 14" x 16" Window, Add</i>	22.00	
				<i>For Each 15" x 20" Window, Add</i>	28.00	
				<i>For Each 18" x 30" Window, Add</i>	41.00	
08 38 19 00-0137	EA			56" x 84" Opening, Double Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door.....	1,681.78	85.91
				<i>For Each 14" x 16" Window, Add</i>	22.00	
				<i>For Each 15" x 20" Window, Add</i>	28.00	
				<i>For Each 18" x 30" Window, Add</i>	41.00	

08 Openings**08 30 Specialty Doors And Frames****08 38 Traffic Doors**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 38 19 00-0138	EA		60" x 84" Opening, Double Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door.....	1,717.67	85.91
			<i>For Each 14" x 16" Window, Add</i>	22.00	
			<i>For Each 15" x 20" Window, Add</i>	28.00	
			<i>For Each 18" x 30" Window, Add</i>	41.00	
08 38 19 00-0139	EA		64" x 84" Opening, Double Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door.....	1,750.99	85.91
			<i>For Each 14" x 16" Window, Add</i>	22.00	
			<i>For Each 15" x 20" Window, Add</i>	28.00	
			<i>For Each 18" x 30" Window, Add</i>	41.00	
08 38 19 00-0140	EA		72" x 84" Opening, Double Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door.....	1,816.47	90.43
			<i>For Each 14" x 16" Window, Add</i>	22.00	
			<i>For Each 15" x 20" Window, Add</i>	28.00	
			<i>For Each 18" x 30" Window, Add</i>	41.00	
08 38 19 00-0141	EA		80" x 84" Opening, Double Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door.....	1,880.56	90.43
			<i>For Each 14" x 16" Window, Add</i>	22.00	
			<i>For Each 15" x 20" Window, Add</i>	28.00	
			<i>For Each 18" x 30" Window, Add</i>	41.00	
08 38 19 00-0142	EA		84" x 84" Opening, Double Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door.....	1,931.83	90.43
			<i>For Each 14" x 16" Window, Add</i>	22.00	
			<i>For Each 15" x 20" Window, Add</i>	28.00	
			<i>For Each 18" x 30" Window, Add</i>	41.00	
08 38 19 00-0143	EA		88" x 84" Opening, Double Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door.....	1,975.41	90.43
			<i>For Each 14" x 16" Window, Add</i>	22.00	
			<i>For Each 15" x 20" Window, Add</i>	28.00	
			<i>For Each 18" x 30" Window, Add</i>	41.00	
08 38 19 00-0144			96" Height, Double Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Doors <small>(08 38 19 00-0134)</small>		
08 38 19 00-0145	EA		48" x 96" Opening, Double Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door.....	1,661.27	85.91
			<i>For Each 14" x 16" Window, Add</i>	22.00	
			<i>For Each 15" x 20" Window, Add</i>	28.00	
			<i>For Each 18" x 30" Window, Add</i>	41.00	
08 38 19 00-0146	EA		56" x 96" Opening, Double Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door.....	1,804.83	85.91
			<i>For Each 14" x 16" Window, Add</i>	22.00	
			<i>For Each 15" x 20" Window, Add</i>	28.00	
			<i>For Each 18" x 30" Window, Add</i>	41.00	
08 38 19 00-0147	EA		60" x 96" Opening, Double Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door.....	1,843.29	85.91
			<i>For Each 14" x 16" Window, Add</i>	22.00	
			<i>For Each 15" x 20" Window, Add</i>	28.00	
			<i>For Each 18" x 30" Window, Add</i>	41.00	
08 38 19 00-0148	EA		64" x 96" Opening, Double Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door.....	1,861.23	85.91
			<i>For Each 14" x 16" Window, Add</i>	22.00	
			<i>For Each 15" x 20" Window, Add</i>	28.00	
			<i>For Each 18" x 30" Window, Add</i>	41.00	
08 38 19 00-0149	EA		72" x 96" Opening, Double Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door.....	1,921.58	90.43
			<i>For Each 14" x 16" Window, Add</i>	22.00	
			<i>For Each 15" x 20" Window, Add</i>	28.00	
			<i>For Each 18" x 30" Window, Add</i>	41.00	
08 38 19 00-0150	EA		80" x 96" Opening, Double Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door.....	2,006.18	90.43
			<i>For Each 14" x 16" Window, Add</i>	22.00	
			<i>For Each 15" x 20" Window, Add</i>	28.00	
			<i>For Each 18" x 30" Window, Add</i>	41.00	
08 38 19 00-0151	EA		84" x 96" Opening, Double Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door.....	2,047.19	90.43
			<i>For Each 14" x 16" Window, Add</i>	22.00	
			<i>For Each 15" x 20" Window, Add</i>	28.00	
			<i>For Each 18" x 30" Window, Add</i>	41.00	
08 38 19 00-0152	EA		88" x 96" Opening, Double Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door.....	2,090.78	90.43
			<i>For Each 14" x 16" Window, Add</i>	22.00	
			<i>For Each 15" x 20" Window, Add</i>	28.00	
			<i>For Each 18" x 30" Window, Add</i>	41.00	
08 38 19 00-0153			1-1/2" Thick, Polymer Cell Core Impact Traffic Doors (Eliaison HCP-10) <small>(08 38 19)</small>		
			Note: Includes 0.125" thick thermoplastic exterior finish, 14" x 16" acrylic window and 18" high easy spring bumpers.		
08 38 19 00-0154			Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Doors <small>(08 38 19 00-0153)</small>		
08 38 19 00-0155			84" Height, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Doors <small>(08 38 19 00-0154)</small>		
08 38 19 00-0156	EA		24" x 84" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door.....	773.70	49.73
			<i>For Each 15" x 20" Window, Add</i>	6.00	
			<i>For Each 18" x 30" Window, Add</i>	19.00	
08 38 19 00-0157	EA		28" x 84" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door.....	810.88	49.73
			<i>For Each 15" x 20" Window, Add</i>	6.00	
			<i>For Each 18" x 30" Window, Add</i>	19.00	
08 38 19 00-0158	EA		30" x 84" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door.....	848.73	52.00
			<i>For Each 15" x 20" Window, Add</i>	6.00	
			<i>For Each 18" x 30" Window, Add</i>	19.00	
08 38 19 00-0159	EA		32" x 84" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door.....	870.52	52.00
			<i>For Each 15" x 20" Window, Add</i>	6.00	
			<i>For Each 18" x 30" Window, Add</i>	19.00	
08 38 19 00-0160	EA		36" x 84" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door.....	928.90	54.26
			<i>For Each 15" x 20" Window, Add</i>	6.00	
			<i>For Each 18" x 30" Window, Add</i>	19.00	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 38 19 00-0161	EA		40" x 84" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	972.48 6.00 19.00	54.26
08 38 19 00-0162	EA		42" x 84" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	1,020.63 6.00 19.00	61.04
08 38 19 00-0163	EA		44" x 84" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	1,061.65 6.00 19.00	61.04
08 38 19 00-0164 90" Height, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Doors <small>(08 38 19 00-0154)</small>					
08 38 19 00-0165	EA		24" x 90" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	799.34 6.00 19.00	49.73
08 38 19 00-0166	EA		28" x 90" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	844.20 6.00 19.00	49.73
08 38 19 00-0167	EA		30" x 90" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	870.52 6.00 19.00	52.00
08 38 19 00-0168	EA		32" x 90" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	901.29 6.00 19.00	52.00
08 38 19 00-0169	EA		36" x 90" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	963.51 6.00 19.00	54.26
08 38 19 00-0170	EA		40" x 90" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	1,016.07 6.00 19.00	54.26
08 38 19 00-0171	EA		42" x 90" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	1,061.65 6.00 19.00	61.04
08 38 19 00-0172	EA		44" x 90" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	1,100.11 6.00 19.00	61.04
08 38 19 00-0173 96" Height, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Doors <small>(08 38 19 00-0154)</small>					
08 38 19 00-0174	EA		24" x 96" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	864.71 6.00 19.00	49.73
08 38 19 00-0175	EA		28" x 96" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	873.69 6.00 19.00	49.73
08 38 19 00-0176	EA		30" x 96" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	915.39 6.00 19.00	52.00
08 38 19 00-0177	EA		32" x 96" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	943.59 6.00 19.00	52.00
08 38 19 00-0178	EA		36" x 96" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	1,007.09 6.00 19.00	54.26
08 38 19 00-0179	EA		40" x 96" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	1,069.90 6.00 19.00	54.26
08 38 19 00-0180	EA		42" x 96" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	1,112.92 6.00 19.00	61.04
08 38 19 00-0181	EA		44" x 96" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	1,151.38 6.00 19.00	61.04
08 38 19 00-0182 Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Doors <small>(08 38 19 00-0153)</small>					
08 38 19 00-0183 84" Height, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Doors <small>(08 38 19 00-0182)</small>					
08 38 19 00-0184	EA		48" x 84" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	1,520.27 6.00 19.00	85.91
08 38 19 00-0185	EA		56" x 84" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	1,594.61 6.00 19.00	85.91
08 38 19 00-0186	EA		60" x 84" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	1,661.27 6.00 19.00	85.91
08 38 19 00-0187	EA		64" x 84" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	1,704.85 6.00 19.00	85.91

08	Openings
08 30	Specialty Doors And Frames
08 38	Traffic Doors



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 38 19 00-0188	EA		72" x 84" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door.....	1,821.59	90.43
			<i>For Each 15" x 20" Window, Add</i>	6.00	
			<i>For Each 18" x 30" Window, Add</i>	19.00	
08 38 19 00-0189	EA		80" x 84" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door.....	1,908.76	90.43
			<i>For Each 15" x 20" Window, Add</i>	6.00	
			<i>For Each 18" x 30" Window, Add</i>	19.00	
08 38 19 00-0190	EA		84" x 84" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door.....	1,977.98	90.43
			<i>For Each 15" x 20" Window, Add</i>	6.00	
			<i>For Each 18" x 30" Window, Add</i>	19.00	
08 38 19 00-0191	EA		88" x 84" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door.....	2,060.01	90.43
			<i>For Each 15" x 20" Window, Add</i>	6.00	
			<i>For Each 18" x 30" Window, Add</i>	19.00	
08 38 19 00-0192			90" Height, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic		
			Doors <small>(08 38 19 00-0182)</small>		
08 38 19 00-0193	EA		48" x 90" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door.....	1,571.54	85.91
			<i>For Each 15" x 20" Window, Add</i>	6.00	
			<i>For Each 18" x 30" Window, Add</i>	19.00	
08 38 19 00-0194	EA		56" x 90" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door.....	1,661.27	85.91
			<i>For Each 15" x 20" Window, Add</i>	6.00	
			<i>For Each 18" x 30" Window, Add</i>	19.00	
08 38 19 00-0195	EA		60" x 90" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door.....	1,704.85	85.91
			<i>For Each 15" x 20" Window, Add</i>	6.00	
			<i>For Each 18" x 30" Window, Add</i>	19.00	
08 38 19 00-0196	EA		64" x 90" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door.....	1,766.38	85.91
			<i>For Each 15" x 20" Window, Add</i>	6.00	
			<i>For Each 18" x 30" Window, Add</i>	19.00	
08 38 19 00-0197	EA		72" x 90" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door.....	1,890.81	90.43
			<i>For Each 15" x 20" Window, Add</i>	6.00	
			<i>For Each 18" x 30" Window, Add</i>	19.00	
08 38 19 00-0198	EA		80" x 90" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door.....	1,995.92	90.43
			<i>For Each 15" x 20" Window, Add</i>	6.00	
			<i>For Each 18" x 30" Window, Add</i>	19.00	
08 38 19 00-0199	EA		84" x 90" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door.....	2,060.01	90.43
			<i>For Each 15" x 20" Window, Add</i>	6.00	
			<i>For Each 18" x 30" Window, Add</i>	19.00	
08 38 19 00-0200	EA		88" x 90" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door.....	2,136.92	90.43
			<i>For Each 15" x 20" Window, Add</i>	6.00	
			<i>For Each 18" x 30" Window, Add</i>	19.00	
08 38 19 00-0201			96" Height, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic		
			Doors <small>(08 38 19 00-0182)</small>		
08 38 19 00-0202	EA		48" x 96" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door.....	1,702.28	85.91
			<i>For Each 15" x 20" Window, Add</i>	6.00	
			<i>For Each 18" x 30" Window, Add</i>	19.00	
08 38 19 00-0203	EA		56" x 96" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door.....	1,720.23	85.91
			<i>For Each 15" x 20" Window, Add</i>	6.00	
			<i>For Each 18" x 30" Window, Add</i>	19.00	
08 38 19 00-0204	EA		60" x 96" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door.....	1,794.58	85.91
			<i>For Each 15" x 20" Window, Add</i>	6.00	
			<i>For Each 18" x 30" Window, Add</i>	19.00	
08 38 19 00-0205	EA		64" x 96" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door.....	1,850.98	85.91
			<i>For Each 15" x 20" Window, Add</i>	6.00	
			<i>For Each 18" x 30" Window, Add</i>	19.00	
08 38 19 00-0206	EA		72" x 96" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door.....	1,977.98	90.43
			<i>For Each 15" x 20" Window, Add</i>	6.00	
			<i>For Each 18" x 30" Window, Add</i>	19.00	
08 38 19 00-0207	EA		80" x 96" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door.....	2,103.59	90.43
			<i>For Each 15" x 20" Window, Add</i>	6.00	
			<i>For Each 18" x 30" Window, Add</i>	19.00	
08 38 19 00-0208	EA		84" x 96" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door.....	2,162.56	90.43
			<i>For Each 15" x 20" Window, Add</i>	6.00	
			<i>For Each 18" x 30" Window, Add</i>	19.00	
08 38 19 00-0209	EA		88" x 96" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door.....	2,239.47	90.43
			<i>For Each 15" x 20" Window, Add</i>	6.00	
			<i>For Each 18" x 30" Window, Add</i>	19.00	
08 38 19 00-0210			1-1/2" Thick, Urethane Foam Core Impact Traffic Doors (Eliaison HFG-10) <small>(08 38 19)</small>		
			Note: Includes 0.125" thick thermoplastic exterior finish, 14" x 16" acrylic window, 18" high easy spring bumpers, and perimeter gasketing.		
08 38 19 00-0211			Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Doors <small>(08 38 19 00-0210)</small>		
08 38 19 00-0212			84" Height, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic		
			Doors <small>(08 38 19 00-0211)</small>		
08 38 19 00-0213	EA		24" x 84" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door.....	773.70	49.73
			<i>For Each 15" x 20" Window, Add</i>	6.00	
			<i>For Each 18" x 30" Window, Add</i>	19.00	



Openings	08	08
Specialty Doors And Frames	08 30	
Traffic Doors	08 38	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 38 19 00-0214	EA		28" x 84" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door 810.88		49.73
			For Each 15" x 20" Window, Add	6.00	
			For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0215	EA		30" x 84" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door 848.73		52.00
			For Each 15" x 20" Window, Add	6.00	
			For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0216	EA		32" x 84" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door 870.52		52.00
			For Each 15" x 20" Window, Add	6.00	
			For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0217	EA		36" x 84" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door 928.90		54.26
			For Each 15" x 20" Window, Add	6.00	
			For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0218	EA		40" x 84" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door 972.48		54.26
			For Each 15" x 20" Window, Add	6.00	
			For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0219	EA		42" x 84" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door 1,020.63		61.04
			For Each 15" x 20" Window, Add	6.00	
			For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0220	EA		44" x 84" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door 1,061.65		61.04
			For Each 15" x 20" Window, Add	6.00	
			For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0221			90" Height, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Doors (08 38 19 00-0211)		
08 38 19 00-0222	EA		24" x 90" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door 799.34		49.73
			For Each 15" x 20" Window, Add	6.00	
			For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0223	EA		28" x 90" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door 844.20		49.73
			For Each 15" x 20" Window, Add	6.00	
			For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0224	EA		30" x 90" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door 870.52		52.00
			For Each 15" x 20" Window, Add	6.00	
			For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0225	EA		32" x 90" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door 901.29		52.00
			For Each 15" x 20" Window, Add	6.00	
			For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0226	EA		36" x 90" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door 963.51		54.26
			For Each 15" x 20" Window, Add	6.00	
			For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0227	EA		40" x 90" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door 1,016.07		54.26
			For Each 15" x 20" Window, Add	6.00	
			For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0228	EA		42" x 90" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door 1,061.65		61.04
			For Each 15" x 20" Window, Add	6.00	
			For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0229	EA		44" x 90" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door 1,100.11		61.04
			For Each 15" x 20" Window, Add	6.00	
			For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0230			96" Height, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Doors (08 38 19 00-0211)		
08 38 19 00-0231	EA		24" x 96" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door 864.71		49.73
			For Each 15" x 20" Window, Add	6.00	
			For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0232	EA		28" x 96" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door 873.69		49.73
			For Each 15" x 20" Window, Add	6.00	
			For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0233	EA		30" x 96" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door 915.39		52.00
			For Each 15" x 20" Window, Add	6.00	
			For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0234	EA		32" x 96" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door 943.59		52.00
			For Each 15" x 20" Window, Add	6.00	
			For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0235	EA		36" x 96" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door 1,007.09		54.26
			For Each 15" x 20" Window, Add	6.00	
			For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0236	EA		40" x 96" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door 1,069.90		54.26
			For Each 15" x 20" Window, Add	6.00	
			For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0237	EA		42" x 96" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door 1,112.92		61.04
			For Each 15" x 20" Window, Add	6.00	
			For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0238	EA		44" x 96" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door 1,151.38		61.04
			For Each 15" x 20" Window, Add	6.00	
			For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0239			Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Doors (08 38 19 00-0210)		
08 38 19 00-0240			84" Height, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Doors (08 38 19 00-0239)		

08	Openings
08 30	Specialty Doors And Frames
08 38	Traffic Doors



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 38 19 00-0241	EA		48" x 84" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door.....	1,520.27	85.91
			<i>For Each 15" x 20" Window, Add</i>	6.00	
			<i>For Each 18" x 30" Window, Add</i>	19.00	
08 38 19 00-0242	EA		56" x 84" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door.....	1,594.61	85.91
			<i>For Each 15" x 20" Window, Add</i>	6.00	
			<i>For Each 18" x 30" Window, Add</i>	19.00	
08 38 19 00-0243	EA		60" x 84" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door.....	1,661.27	85.91
			<i>For Each 15" x 20" Window, Add</i>	6.00	
			<i>For Each 18" x 30" Window, Add</i>	19.00	
08 38 19 00-0244	EA		64" x 84" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door.....	1,704.85	85.91
			<i>For Each 15" x 20" Window, Add</i>	6.00	
			<i>For Each 18" x 30" Window, Add</i>	19.00	
08 38 19 00-0245	EA		72" x 84" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door.....	1,821.59	90.43
			<i>For Each 15" x 20" Window, Add</i>	6.00	
			<i>For Each 18" x 30" Window, Add</i>	19.00	
08 38 19 00-0246	EA		80" x 84" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door.....	1,908.76	90.43
			<i>For Each 15" x 20" Window, Add</i>	6.00	
			<i>For Each 18" x 30" Window, Add</i>	19.00	
08 38 19 00-0247	EA		84" x 84" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door.....	1,977.98	90.43
			<i>For Each 15" x 20" Window, Add</i>	6.00	
			<i>For Each 18" x 30" Window, Add</i>	19.00	
08 38 19 00-0248	EA		88" x 84" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door.....	2,060.01	90.43
			<i>For Each 15" x 20" Window, Add</i>	6.00	
			<i>For Each 18" x 30" Window, Add</i>	19.00	
08 38 19 00-0249			90" Height, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Doors <small>(08 38 19 00-0239)</small>		
08 38 19 00-0250	EA		48" x 90" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door.....	1,571.54	85.91
			<i>For Each 15" x 20" Window, Add</i>	6.00	
			<i>For Each 18" x 30" Window, Add</i>	19.00	
08 38 19 00-0251	EA		56" x 90" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door.....	1,661.27	85.91
			<i>For Each 15" x 20" Window, Add</i>	6.00	
			<i>For Each 18" x 30" Window, Add</i>	19.00	
08 38 19 00-0252	EA		60" x 90" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door.....	1,704.85	85.91
			<i>For Each 15" x 20" Window, Add</i>	6.00	
			<i>For Each 18" x 30" Window, Add</i>	19.00	
08 38 19 00-0253	EA		64" x 90" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door.....	1,766.38	85.91
			<i>For Each 15" x 20" Window, Add</i>	6.00	
			<i>For Each 18" x 30" Window, Add</i>	19.00	
08 38 19 00-0254	EA		72" x 90" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door.....	1,890.81	90.43
			<i>For Each 15" x 20" Window, Add</i>	6.00	
			<i>For Each 18" x 30" Window, Add</i>	19.00	
08 38 19 00-0255	EA		80" x 90" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door.....	1,995.92	90.43
			<i>For Each 15" x 20" Window, Add</i>	6.00	
			<i>For Each 18" x 30" Window, Add</i>	19.00	
08 38 19 00-0256	EA		84" x 90" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door.....	2,060.01	90.43
			<i>For Each 15" x 20" Window, Add</i>	6.00	
			<i>For Each 18" x 30" Window, Add</i>	19.00	
08 38 19 00-0257	EA		88" x 90" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door.....	2,136.92	90.43
			<i>For Each 15" x 20" Window, Add</i>	6.00	
			<i>For Each 18" x 30" Window, Add</i>	19.00	
08 38 19 00-0258			96" Height, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Doors <small>(08 38 19 00-0239)</small>		
08 38 19 00-0259	EA		48" x 96" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door.....	1,702.28	85.91
			<i>For Each 15" x 20" Window, Add</i>	6.00	
			<i>For Each 18" x 30" Window, Add</i>	19.00	
08 38 19 00-0260	EA		56" x 96" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door.....	1,720.23	85.91
			<i>For Each 15" x 20" Window, Add</i>	6.00	
			<i>For Each 18" x 30" Window, Add</i>	19.00	
08 38 19 00-0261	EA		60" x 96" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door.....	1,794.58	85.91
			<i>For Each 15" x 20" Window, Add</i>	6.00	
			<i>For Each 18" x 30" Window, Add</i>	19.00	
08 38 19 00-0262	EA		64" x 96" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door.....	1,850.98	85.91
			<i>For Each 15" x 20" Window, Add</i>	6.00	
			<i>For Each 18" x 30" Window, Add</i>	19.00	
08 38 19 00-0263	EA		72" x 96" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door.....	1,977.98	90.43
			<i>For Each 15" x 20" Window, Add</i>	6.00	
			<i>For Each 18" x 30" Window, Add</i>	19.00	
08 38 19 00-0264	EA		80" x 96" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door.....	2,103.59	90.43
			<i>For Each 15" x 20" Window, Add</i>	6.00	
			<i>For Each 18" x 30" Window, Add</i>	19.00	
08 38 19 00-0265	EA		84" x 96" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door.....	2,162.56	90.43
			<i>For Each 15" x 20" Window, Add</i>	6.00	
			<i>For Each 18" x 30" Window, Add</i>	19.00	
08 38 19 00-0266	EA		88" x 96" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door.....	2,239.47	90.43
			<i>For Each 15" x 20" Window, Add</i>	6.00	
			<i>For Each 18" x 30" Window, Add</i>	19.00	
08 38 19 00-0267			Rigid Impact Traffic Door Accessories <small>(08 38 19)</small>		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 38 19 00-0268 Bumper Strips For Impact Traffic Doors <small>(08 38 19 00-0267)</small>		
<small>Note: Includes two bumpers per set.</small>		
08 38 19 00-0269 SET 24" Wide, Bumper Strips For Impact Traffic Doors	83.60	36.17
08 38 19 00-0270 SET 30" Wide, Bumper Strips For Impact Traffic Doors	90.01	36.17
08 38 19 00-0271 SET 36" Wide, Bumper Strips For Impact Traffic Doors	95.13	36.17
08 38 19 00-0272 SET 48" Wide, Bumper Strips For Impact Traffic Doors	104.11	36.17
08 38 19 00-0273 Easy Spring Bumpers For Impact Traffic Doors <small>(08 38 19 00-0267)</small>		
<small>Note: Includes two bumpers per set.</small>		
08 38 19 00-0274 SET 18" Height, Easy Spring Bumpers For Impact Traffic Doors	187.43	36.17
08 38 19 00-0275 SET 24" Height, Easy Spring Bumpers For Impact Traffic Doors	241.26	36.17
08 38 19 00-0276 SET 36" Height, Easy Spring Bumpers For Impact Traffic Doors	345.09	36.17
08 38 19 00-0277 SET 42" Height, Easy Spring Bumpers For Impact Traffic Doors	395.08	36.17
08 38 19 00-0278 SET 48" Height, Easy Spring Bumpers For Impact Traffic Doors	446.36	36.17
08 38 19 00-0279 Scuff Plates For Impact Traffic Doors <small>(08 38 19 00-0267)</small>		
<small>Note: Includes two 0.090" thermoplastic plates per set.</small>		
08 38 19 00-0280 12" High, Scuff Plates For Impact Traffic Doors <small>(08 38 19 00-0279)</small>		
08 38 19 00-0281 SET 24" Wide x 12" High, Impact Traffic Door Scuff Plates	95.13	36.17
08 38 19 00-0282 SET 30" Wide x 12" High, Impact Traffic Door Scuff Plates	100.26	36.17
08 38 19 00-0283 SET 36" Wide x 12" High, Impact Traffic Door Scuff Plates	106.67	36.17
08 38 19 00-0284 SET 42" Wide x 12" High, Impact Traffic Door Scuff Plates	115.64	36.17
08 38 19 00-0285 SET 48" Wide x 12" High, Impact Traffic Door Scuff Plates	120.77	36.17
08 38 19 00-0286 24" High, Scuff Plates For Impact Traffic Doors <small>(08 38 19 00-0279)</small>		
08 38 19 00-0287 SET 24" Wide x 24" High, Impact Traffic Door Scuff Plates	120.77	36.17
08 38 19 00-0288 SET 30" Wide x 24" High, Impact Traffic Door Scuff Plates	143.84	36.17
08 38 19 00-0289 SET 36" Wide x 24" High, Impact Traffic Door Scuff Plates	156.66	36.17
08 38 19 00-0290 SET 42" Wide x 24" High, Impact Traffic Door Scuff Plates	174.61	36.17
08 38 19 00-0291 SET 48" Wide x 24" High, Impact Traffic Door Scuff Plates	186.14	36.17
08 38 19 00-0292 30" High, Scuff Plates For Impact Traffic Doors <small>(08 38 19 00-0279)</small>		
08 38 19 00-0293 SET 24" Wide x 30" High, Impact Traffic Door Scuff Plates	143.84	36.17
08 38 19 00-0294 SET 30" Wide x 30" High, Impact Traffic Door Scuff Plates	164.35	36.17
08 38 19 00-0295 SET 36" Wide x 30" High, Impact Traffic Door Scuff Plates	179.73	36.17
08 38 19 00-0296 SET 42" Wide x 30" High, Impact Traffic Door Scuff Plates	207.94	36.17
08 38 19 00-0297 SET 48" Wide x 30" High, Impact Traffic Door Scuff Plates	227.16	36.17
08 38 19 00-0298 36" High, Scuff Plates For Impact Traffic Doors <small>(08 38 19 00-0279)</small>		
08 38 19 00-0299 SET 24" Wide x 36" High, Impact Traffic Door Scuff Plates	156.66	36.17
08 38 19 00-0300 SET 30" Wide x 36" High, Impact Traffic Door Scuff Plates	179.73	36.17
08 38 19 00-0301 SET 36" Wide x 36" High, Impact Traffic Door Scuff Plates	205.37	36.17
08 38 19 00-0302 SET 42" Wide x 36" High, Impact Traffic Door Scuff Plates	219.47	36.17
08 38 19 00-0303 SET 48" Wide x 36" High, Impact Traffic Door Scuff Plates	241.26	36.17
08 38 19 00-0304 48" High, Scuff Plates For Impact Traffic Doors <small>(08 38 19 00-0279)</small>		
08 38 19 00-0305 SET 24" Wide x 48" High, Impact Traffic Door Scuff Plates	186.14	36.17
08 38 19 00-0306 SET 30" Wide x 48" High, Impact Traffic Door Scuff Plates	227.16	36.17
08 38 19 00-0307 SET 36" Wide x 48" High, Impact Traffic Door Scuff Plates	241.26	36.17
08 38 19 00-0308 SET 42" Wide x 48" High, Impact Traffic Door Scuff Plates	268.18	36.17
08 38 19 00-0309 SET 48" Wide x 48" High, Impact Traffic Door Scuff Plates	297.66	36.17
08 38 19 00-0310 Base Plates For Impact Traffic Doors <small>(08 38 19 00-0267)</small>		
<small>Note: Includes two base plates per set.</small>		
08 38 19 00-0311 Galvanized, 18 Gauge Base Plates For Impact Traffic Doors <small>(08 38 19 00-0310)</small>		
08 38 19 00-0312 12" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors <small>(08 38 19 00-0311)</small>		
08 38 19 00-0313 SET 24" Wide x 12" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors.....	92.57	36.17
08 38 19 00-0314 SET 30" Wide x 12" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors.....	97.70	36.17
08 38 19 00-0315 SET 36" Wide x 12" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors.....	100.26	36.17
08 38 19 00-0316 SET 42" Wide x 12" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors.....	111.80	36.17
08 38 19 00-0317 SET 48" Wide x 12" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors.....	116.93	36.17
08 38 19 00-0318 24" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors <small>(08 38 19 00-0311)</small>		
08 38 19 00-0319 SET 24" Wide x 24" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors.....	111.80	36.17
08 38 19 00-0320 SET 30" Wide x 24" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors.....	119.49	36.17
08 38 19 00-0321 SET 36" Wide x 24" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors.....	127.18	36.17
08 38 19 00-0322 SET 42" Wide x 24" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors.....	133.59	36.17
08 38 19 00-0323 SET 48" Wide x 24" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors.....	143.84	36.17



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 38 19 00-0324			30" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors (08 38 19 00-0311)		
08 38 19 00-0325	SET		24" Wide x 30" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors.....	124.62	36.17
08 38 19 00-0326	SET		30" Wide x 30" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors.....	131.03	36.17
08 38 19 00-0327	SET		36" Wide x 30" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors.....	146.41	36.17
08 38 19 00-0328	SET		42" Wide x 30" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors.....	163.07	36.17
08 38 19 00-0329	SET		48" Wide x 30" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors.....	170.76	36.17
08 38 19 00-0330			36" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors (08 38 19 00-0311)		
08 38 19 00-0331	SET		24" Wide x 36" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors.....	131.03	36.17
08 38 19 00-0332	SET		30" Wide x 36" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors.....	143.84	36.17
08 38 19 00-0333	SET		36" Wide x 36" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors.....	163.07	36.17
08 38 19 00-0334	SET		42" Wide x 36" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors.....	178.45	36.17
08 38 19 00-0335	SET		48" Wide x 36" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors.....	187.43	36.17
08 38 19 00-0336			48" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors (08 38 19 00-0311)		
08 38 19 00-0337	SET		24" Wide x 48" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors.....	160.51	36.17
08 38 19 00-0338	SET		30" Wide x 48" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors.....	178.45	36.17
08 38 19 00-0339	SET		36" Wide x 48" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors.....	202.81	36.17
08 38 19 00-0340	SET		42" Wide x 48" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors.....	214.34	36.17
08 38 19 00-0341	SET		48" Wide x 48" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors.....	229.73	36.17
08 38 19 00-0342			Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors (08 38 19 00-0310)		
08 38 19 00-0343			12" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors (08 38 19 00-0342)		
08 38 19 00-0344	SET		24" Wide x 12" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors.....	115.64	36.17
08 38 19 00-0345	SET		30" Wide x 12" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors.....	120.77	36.17
08 38 19 00-0346	SET		36" Wide x 12" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors.....	136.15	36.17
08 38 19 00-0347	SET		42" Wide x 12" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors.....	143.84	36.17
08 38 19 00-0348	SET		48" Wide x 12" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors.....	165.63	36.17
08 38 19 00-0349			24" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors (08 38 19 00-0342)		
08 38 19 00-0350	SET		24" Wide x 24" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors.....	151.53	36.17
08 38 19 00-0351	SET		30" Wide x 24" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors.....	174.61	36.17
08 38 19 00-0352	SET		36" Wide x 24" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors.....	197.68	36.17
08 38 19 00-0353	SET		42" Wide x 24" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors.....	225.88	36.17
08 38 19 00-0354	SET		48" Wide x 24" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors.....	251.52	36.17
08 38 19 00-0355			30" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors (08 38 19 00-0342)		
08 38 19 00-0356	SET		24" Wide x 30" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors.....	169.48	36.17
08 38 19 00-0357	SET		30" Wide x 30" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors.....	200.24	36.17
08 38 19 00-0358	SET		36" Wide x 30" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors.....	228.44	36.17
08 38 19 00-0359	SET		42" Wide x 30" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors.....	257.93	36.17
08 38 19 00-0360	SET		48" Wide x 30" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors.....	292.54	36.17
08 38 19 00-0361			36" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors (08 38 19 00-0342)		
08 38 19 00-0362	SET		24" Wide x 36" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors.....	192.55	36.17
08 38 19 00-0363	SET		30" Wide x 36" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors.....	225.88	36.17
08 38 19 00-0364	SET		36" Wide x 36" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors.....	264.34	36.17
08 38 19 00-0365	SET		42" Wide x 36" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors.....	301.51	36.17
08 38 19 00-0366	SET		48" Wide x 36" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors.....	333.55	36.17
08 38 19 00-0367			48" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors (08 38 19 00-0342)		
08 38 19 00-0368	SET		24" Wide x 48" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors.....	233.57	36.17
08 38 19 00-0369	SET		30" Wide x 48" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors.....	313.05	36.17
08 38 19 00-0370	SET		36" Wide x 48" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors.....	333.55	36.17
08 38 19 00-0371	SET		42" Wide x 48" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors.....	395.08	36.17
08 38 19 00-0372	SET		48" Wide x 48" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors.....	430.97	36.17
08 38 19 00-0373			One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors (08 38 19 00-0310)		
08 38 19 00-0374			12" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors (08 38 19 00-0373)		
08 38 19 00-0375	SET		24" Wide x 12" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors.....	105.39	36.17
08 38 19 00-0376	SET		30" Wide x 12" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors.....	111.80	36.17
08 38 19 00-0377	SET		36" Wide x 12" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors.....	119.49	36.17



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 38 19 00-0378 SET 42" Wide x 12" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	128.46	36.17
08 38 19 00-0379 SET 48" Wide x 12" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	142.56	36.17
08 38 19 00-0380 24" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors (08 38 19 00-0373)		
08 38 19 00-0381 SET 24" Wide x 24" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	133.59	36.17
08 38 19 00-0382 SET 30" Wide x 24" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	148.97	36.17
08 38 19 00-0383 SET 36" Wide x 24" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	164.35	36.17
08 38 19 00-0384 SET 42" Wide x 24" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	181.02	36.17
08 38 19 00-0385 SET 48" Wide x 24" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	200.24	36.17
08 38 19 00-0386 30" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors (08 38 19 00-0373)		
08 38 19 00-0387 SET 24" Wide x 30" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	148.97	36.17
08 38 19 00-0388 SET 30" Wide x 30" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	168.20	36.17
08 38 19 00-0389 SET 36" Wide x 30" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	189.99	36.17
08 38 19 00-0390 SET 42" Wide x 30" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	216.91	36.17
08 38 19 00-0391 SET 48" Wide x 30" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	234.85	36.17
08 38 19 00-0392 36" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors (08 38 19 00-0373)		
08 38 19 00-0393 SET 24" Wide x 36" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	164.35	36.17
08 38 19 00-0394 SET 30" Wide x 36" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	189.99	36.17
08 38 19 00-0395 SET 36" Wide x 36" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	216.91	36.17
08 38 19 00-0396 SET 42" Wide x 36" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	243.83	36.17
08 38 19 00-0397 SET 48" Wide x 36" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	263.05	36.17
08 38 19 00-0398 48" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors (08 38 19 00-0373)		
08 38 19 00-0399 SET 24" Wide x 48" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	200.24	36.17
08 38 19 00-0400 SET 30" Wide x 48" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	239.98	36.17
08 38 19 00-0401 SET 36" Wide x 48" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	263.05	36.17
08 38 19 00-0402 SET 42" Wide x 48" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	309.20	36.17
08 38 19 00-0403 SET 48" Wide x 48" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	322.02	36.17
08 38 19 00-0404 Jamb Guards For Impact Traffic Doors (08 38 19 00-0267)		
08 38 19 00-0405 EA 3" x 9", Jamb Guard For Impact Traffic Doors	141.36	45.22
08 38 19 00-0406 EA 5" x 18", Jamb Guard For Impact Traffic Doors	179.81	45.22
08 38 19 00-0407 EA 5" x 18", Stainless Steel Jamb Guard For Impact Traffic Doors	320.81	45.22
08 38 19 00-0408 Other Impact Traffic Door Accessories (08 38 19 00-0267)		
08 38 19 00-0409 EA Push Plate For Impact Traffic Doors	43.11	22.60
08 38 19 00-0410 EA Pull Handle For Impact Traffic Doors	52.08	22.60
08 38 19 00-0411 EA Deadbolt Lock For Impact Traffic Doors	107.20	22.60
08 38 19 00-0412 PR Lock Hole Reinforcements For Impact Traffic Doors	130.27	22.60
08 38 19 00-0413 PR Padlock Brackets For Impact Traffic Doors	61.05	22.60
08 38 19 00-0414 Impact Traffic Door Knock Down Frames (08 38 19)		
Note: Frames are 16 gauge galvanized steel with reinforcement at hardware locations.		
08 38 19 00-0415 Single Door, Impact Traffic Door Knock Down Frames (08 38 19 00-0414)		
08 38 19 00-0416 84" Height, Single Door, Impact Traffic Door Knock Down Frames (08 38 19 00-0415)		
08 38 19 00-0417 EA 24" x 84" Opening, Single Door, Impact Traffic Door Knock Down Frame	364.59	67.82
08 38 19 00-0418 EA 28" x 84" Opening, Single Door, Impact Traffic Door Knock Down Frame	421.77	74.60
08 38 19 00-0419 EA 30" x 84" Opening, Single Door, Impact Traffic Door Knock Down Frame	435.16	79.13
08 38 19 00-0420 EA 32" x 84" Opening, Single Door, Impact Traffic Door Knock Down Frame	452.53	85.91
08 38 19 00-0421 EA 36" x 84" Opening, Single Door, Impact Traffic Door Knock Down Frame	466.48	90.43
08 38 19 00-0422 EA 40" x 84" Opening, Single Door, Impact Traffic Door Knock Down Frame	487.28	94.95
08 38 19 00-0423 EA 42" x 84" Opening, Single Door, Impact Traffic Door Knock Down Frame	504.20	99.47
08 38 19 00-0424 EA 44" x 84" Opening, Single Door, Impact Traffic Door Knock Down Frame	517.54	103.99
08 38 19 00-0425 90" Height, Single Door, Impact Traffic Door Knock Down Frames (08 38 19 00-0415)		
08 38 19 00-0426 EA 24" x 90" Opening, Single Door, Impact Traffic Door Knock Down Frame	370.30	67.82
08 38 19 00-0427 EA 28" x 90" Opening, Single Door, Impact Traffic Door Knock Down Frame	428.57	74.60
08 38 19 00-0428 EA 30" x 90" Opening, Single Door, Impact Traffic Door Knock Down Frame	442.09	79.13
08 38 19 00-0429 EA 32" x 90" Opening, Single Door, Impact Traffic Door Knock Down Frame	459.55	85.91
08 38 19 00-0430 EA 36" x 90" Opening, Single Door, Impact Traffic Door Knock Down Frame	473.62	90.43
08 38 19 00-0431 EA 40" x 90" Opening, Single Door, Impact Traffic Door Knock Down Frame	494.72	94.95
08 38 19 00-0432 EA 42" x 90" Opening, Single Door, Impact Traffic Door Knock Down Frame	511.82	99.47
08 38 19 00-0433 EA 44" x 90" Opening, Single Door, Impact Traffic Door Knock Down Frame	525.28	103.99

08	Openings
08 30	Specialty Doors And Frames
08 38	Traffic Doors



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

08 38 19 00-0434	96" Height, Single Door, Impact Traffic Door Knock Down Frames (08 38 19 00-0415)		
08 38 19 00-0435	EA 24" x 96" Opening, Single Door, Impact Traffic Door Knock Down Frame.....	377.91	67.82
08 38 19 00-0436	EA 28" x 96" Opening, Single Door, Impact Traffic Door Knock Down Frame.....	437.62	74.60
08 38 19 00-0437	EA 30" x 96" Opening, Single Door, Impact Traffic Door Knock Down Frame.....	451.28	79.13
08 38 19 00-0438	EA 32" x 96" Opening, Single Door, Impact Traffic Door Knock Down Frame.....	466.62	85.91
08 38 19 00-0439	EA 36" x 96" Opening, Single Door, Impact Traffic Door Knock Down Frame.....	483.11	90.43
08 38 19 00-0440	EA 40" x 96" Opening, Single Door, Impact Traffic Door Knock Down Frame.....	502.15	94.95
08 38 19 00-0441	EA 42" x 96" Opening, Single Door, Impact Traffic Door Knock Down Frame.....	521.96	99.47
08 38 19 00-0442	EA 44" x 96" Opening, Single Door, Impact Traffic Door Knock Down Frame.....	536.13	101.73
08 38 19 00-0443	Double Door, Impact Traffic Door Knock Down Frames (08 38 19 00-0414)		
08 38 19 00-0444	84" Height, Double Door, Impact Traffic Door Knock Down Frames (08 38 19 00-0443)		
08 38 19 00-0445	EA 48" x 84" Opening, Double Door, Impact Traffic Door Knock Down Frame.....	524.14	103.99
08 38 19 00-0446	EA 56" x 84" Opening, Double Door, Impact Traffic Door Knock Down Frame.....	534.64	105.80
08 38 19 00-0447	EA 60" x 84" Opening, Double Door, Impact Traffic Door Knock Down Frame.....	544.09	108.51
08 38 19 00-0448	EA 64" x 84" Opening, Double Door, Impact Traffic Door Knock Down Frame.....	560.50	113.04
08 38 19 00-0449	EA 72" x 84" Opening, Double Door, Impact Traffic Door Knock Down Frame.....	573.06	117.55
08 38 19 00-0450	EA 80" x 84" Opening, Double Door, Impact Traffic Door Knock Down Frame.....	588.21	118.46
08 38 19 00-0451	EA 84" x 84" Opening, Double Door, Impact Traffic Door Knock Down Frame.....	599.39	119.82
08 38 19 00-0452	EA 88" x 84" Opening, Double Door, Impact Traffic Door Knock Down Frame.....	613.75	122.08
08 38 19 00-0453	90" Height, Double Door, Impact Traffic Door Knock Down Frames (08 38 19 00-0443)		
08 38 19 00-0454	EA 48" x 90" Opening, Double Door, Impact Traffic Door Knock Down Frame.....	532.04	103.99
08 38 19 00-0455	EA 56" x 90" Opening, Double Door, Impact Traffic Door Knock Down Frame.....	542.65	105.80
08 38 19 00-0456	EA 60" x 90" Opening, Double Door, Impact Traffic Door Knock Down Frame.....	552.27	108.51
08 38 19 00-0457	EA 64" x 90" Opening, Double Door, Impact Traffic Door Knock Down Frame.....	568.86	113.04
08 38 19 00-0458	EA 72" x 90" Opening, Double Door, Impact Traffic Door Knock Down Frame.....	581.52	117.55
08 38 19 00-0459	EA 80" x 90" Opening, Double Door, Impact Traffic Door Knock Down Frame.....	596.99	118.46
08 38 19 00-0460	EA 84" x 90" Opening, Double Door, Impact Traffic Door Knock Down Frame.....	608.39	119.82
08 38 19 00-0461	EA 88" x 90" Opening, Double Door, Impact Traffic Door Knock Down Frame.....	622.99	122.08
08 38 19 00-0462	96" Height, Double Door, Impact Traffic Door Knock Down Frames (08 38 19 00-0443)		
08 38 19 00-0463	EA 48" x 96" Opening, Double Door, Impact Traffic Door Knock Down Frame.....	541.26	103.99
08 38 19 00-0464	EA 56" x 96" Opening, Double Door, Impact Traffic Door Knock Down Frame.....	550.65	105.80
08 38 19 00-0465	EA 60" x 96" Opening, Double Door, Impact Traffic Door Knock Down Frame.....	563.12	108.51
08 38 19 00-0466	EA 64" x 96" Opening, Double Door, Impact Traffic Door Knock Down Frame.....	577.21	113.04
08 38 19 00-0467	EA 72" x 96" Opening, Double Door, Impact Traffic Door Knock Down Frame.....	592.74	117.55
08 38 19 00-0468	EA 80" x 96" Opening, Double Door, Impact Traffic Door Knock Down Frame.....	609.93	118.46
08 38 19 00-0469	EA 84" x 96" Opening, Double Door, Impact Traffic Door Knock Down Frame.....	620.33	119.82
08 38 19 00-0470	EA 88" x 96" Opening, Double Door, Impact Traffic Door Knock Down Frame.....	636.30	122.08

08 40 Entrances, Storefronts, And Curtain Walls (08)

08 42 Entrances (08 40)

08 42 13 Aluminum-Framed Entrances (08 42)

08 42 13 00-0001 Aluminum Framed Entrance Doors (08 42 13)

Note: Includes frame, trim, necessary anchors, tempered glass, standard hardware (hinges, pull handle, push plate, threshold, door sweep) and prepared for panic device. Fixed doors mullion (on pairs). Excludes exit device and closer. Special-Lite. See CSI section 08 71 23 00-2087 for exit device, 08 71 23 00-2235 for closer.

08 42 13 00-0002	EA 3' x 7' x 1-3/4" Medium Stile, Aluminum Framed Entrance Doors Including Glazing, Trim And Hardware (Special-Lite SL-14).....	2,569.71	596.88
	For 8' High Door, Add	192.61	
	For 10' High Door, Add	418.71	
	For 1" Insulated Glazing, Add	39.32	
08 42 13 00-0003	EA 3'-6" x 7' x 1-3/4" Medium Stile, Aluminum Framed Entrance Doors Including Glazing, Trim And Hardware (Special-Lite SL-14).....	2,580.57	596.88
	For 8' High Door, Add	193.86	
	For 10' High Door, Add	421.43	
	For 1" Insulated Glazing, Add	39.32	
08 42 13 00-0004	PR 6' x 7' x 1-3/4" Medium Stile, Aluminum Framed Entrance Doors Including Glazing, Trim And Hardware (Special-Lite SL-14).....	4,241.60	895.14
	For 8' High Door, Add	333.73	
	For 10' High Door, Add	725.49	
	For 1" Insulated Glazing, Add	78.65	
08 42 13 00-0005	PR 7' x 7' x 1-3/4" Medium Stile, Aluminum Framed Entrance Doors Including Glazing, Trim And Hardware (Special-Lite SL-14).....	4,775.56	895.14
	For 8' High Door, Add	395.13	
	For 10' High Door, Add	858.98	
	For 1" Insulated Glazing, Add	78.65	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 42 13 00-0006 EA 3' x 7' x 1-3/4" Wide Stile, Aluminum Framed Entrance Doors Including Glazing, Trim And Hardware (Special-Lite SL-15).....	2,797.62	596.88
<i>For 8' High Door, Add</i>	218.82	
<i>For 10' High Door, Add</i>	475.69	
<i>For 1" Insulated Glazing, Add</i>	39.32	
08 42 13 00-0007 EA 3'-6" x 7' x 1-3/4" Wide Stile, Aluminum Framed Entrance Doors Including Glazing, Trim And Hardware (Special-Lite SL-15).....	2,822.58	596.88
<i>For 8' High Door, Add</i>	221.69	
<i>For 10' High Door, Add</i>	481.93	
<i>For 1" Insulated Glazing, Add</i>	39.32	
08 42 13 00-0008 PR 6' x 7' x 1-3/4" Wide Stile, Aluminum Framed Entrance Doors Including Glazing, Trim And Hardware (Special-Lite SL-15).....	4,672.46	895.14
<i>For 8' High Door, Add</i>	383.28	
<i>For 10' High Door, Add</i>	833.21	
<i>For 1" Insulated Glazing, Add</i>	78.65	
08 42 13 00-0009 PR 7' x 7' x 1-3/4" Wide Stile, Aluminum Framed Entrance Doors Including Glazing, Trim And Hardware (Special-Lite SL-15).....	5,193.84	895.14
<i>For 8' High Door, Add</i>	443.23	
<i>For 10' High Door, Add</i>	963.55	
<i>For 1" Insulated Glazing, Add</i>	78.65	

08 42 26 All-Glass Entrances (08 42)

08 42 26 00-0001 Full Glass Entrance Doors (08 42 26)

Note: Includes trim, necessary anchors, tempered glass, and standard hardware (hinges, handle, push plate, lock, closer). Excludes panic devices.

08 42 26 00-0002 EA 3' x 7' x 1/2" Thick Glass Entrance Door, Full Glass, Tempered, Including Trim And Hardware.....	3,139.61	223.72
<i>For Anodized Color, Add</i>	404.05	
<i>For Stainless Steel, Add</i>	1,459.08	
<i>For 8' High Door, Add</i>	258.15	
<i>For 10' High Door, Add</i>	561.19	
<i>For 1" Insulated Glazing, Add</i>	39.32	
08 42 26 00-0003 PR 6' x 7' x 1/2" Thick Glass Entrance Door, Full Glass, Tempered, Including Trim And Hardware (Per Pair 3' x 7' x 1/2").....	5,516.73	268.46
<i>For Anodized Color, Add</i>	762.90	
<i>For Stainless Steel, Add</i>	2,754.92	
<i>For 8' High Door, Add</i>	487.41	
<i>For 10' High Door, Add</i>	1,059.59	
<i>For 1" Insulated Glazing, Add</i>	78.65	
08 42 26 00-0004 EA 3' x 7' x 5/8" Thick Glass Entrance Door, Full Glass, Tempered, Including Trim And Hardware.....	3,544.01	223.72
<i>For Anodized Color, Add</i>	476.85	
<i>For Stainless Steel, Add</i>	1,721.94	
<i>For 8' High Door, Add</i>	304.65	
<i>For 10' High Door, Add</i>	662.29	
<i>For 1" Insulated Glazing, Add</i>	39.32	
08 42 26 00-0005 PR 6' x 7' x 5/8" Thick Glass Entrance Door, Full Glass, Tempered, Including Trim And Hardware (Per Pair 3' x 7' x 5/8").....	6,387.44	268.46
<i>For Anodized Color, Add</i>	919.63	
<i>For Stainless Steel, Add</i>	3,320.88	
<i>For 8' High Door, Add</i>	587.54	
<i>For 10' High Door, Add</i>	1,277.26	
<i>For 1" Insulated Glazing, Add</i>	78.65	
08 42 26 00-0006 EA 3' x 7' x 3/4" Thick Glass Entrance Door, Full Glass, Tempered, Including Trim And Hardware.....	3,946.82	223.72
<i>For Anodized Color, Add</i>	549.35	
<i>For Stainless Steel, Add</i>	1,983.77	
<i>For 8' High Door, Add</i>	350.97	
<i>For 10' High Door, Add</i>	762.99	
<i>For 1" Insulated Glazing, Add</i>	39.32	
08 42 26 00-0007 PR 6' x 7' x 3/4" Thick Glass Entrance Door, Full Glass, Tempered, Including Trim And Hardware (Per Pair 3' x 7' x 3/4").....	7,256.72	268.46
<i>For Anodized Color, Add</i>	1,076.10	
<i>For Stainless Steel, Add</i>	3,885.91	
<i>For 8' High Door, Add</i>	687.51	
<i>For 10' High Door, Add</i>	1,494.58	
<i>For 1" Insulated Glazing, Add</i>	78.65	
08 42 26 00-0008 EA 3' x 7' x 1" Thick Glass Entrance Door, Full Glass, Tempered, Including Trim And Hardware	4,754.02	223.72
<i>For Anodized Color, Add</i>	694.65	
<i>For Stainless Steel, Add</i>	2,508.45	
<i>For 8' High Door, Add</i>	443.80	
<i>For 10' High Door, Add</i>	964.79	
<i>For 1" Insulated Glazing, Add</i>	39.32	
08 42 26 00-0009 PR 6' x 7' x 1" Thick Glass Entrance Door, Full Glass, Tempered, Including Trim And Hardware (Per Pair 3' x 7' x 1").....	8,996.69	268.46
<i>For Anodized Color, Add</i>	1,389.29	
<i>For Stainless Steel, Add</i>	5,016.90	
<i>For 8' High Door, Add</i>	887.60	
<i>For 10' High Door, Add</i>	1,929.58	
<i>For 1" Insulated Glazing, Add</i>	78.65	

08 42 26 00-0010 Frames For Full Glass Doors (08 42 26)

08 42 26 00-0011 LF Glass Entrance Door, Light Weight Aluminum Frame, 1/8" x 17" Shaped Jamb - Head	19.33	2.69
08 42 26 00-0012 LF Glass Entrance Door, Heavy Weight Aluminum Frame, 1/8" x 17" Shaped Jamb - Head	25.20	3.58

08 42 29 Automatic Entrances (08 42)

08 Openings**08 40 Entrances, Storefronts, And Curtain Walls****08 42 Entrances**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST**08 42 29 23****Sliding Automatic Entrances (08 42 29)**

Note: Power-operated automatic sliding doors may be used as emergency egress doors as they can "break-out" in the direction of egress. Excludes glazing. See CSI section 08 80 00 00-0000 for glazing.

08 42 29 23-0001	Bronze Finished Framed Sliding Automatic Entrances (08 42 29 23)		
08 42 29 23-0002	2 Panel, Bronze Finished Framed Sliding Automatic Entrance (08 42 29 23-0001)		
	Note: Single sliding.		
08 42 29 23-0003	EA 5'-0" x 6'-8" 2 Panel, Bronze Finished Framed Sliding Automatic Entrance.....	1,382.74	89.49
	For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add	90.28	
	For Emergency Egress On All Panels, Add	240.75	
08 42 29 23-0004	EA 6'-0" x 6'-8" 2 Panel, Bronze Finished Framed Sliding Automatic Entrance.....	1,553.11	120.81
	For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add	98.36	
	For Emergency Egress On All Panels, Add	262.30	
08 42 29 23-0005	EA 7'-0" x 6'-8" 2 Panel, Bronze Finished Framed Sliding Automatic Entrance.....	1,691.69	134.23
	For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add	106.74	
	For Emergency Egress On All Panels, Add	284.65	
08 42 29 23-0006	EA 8'-0" x 6'-8" 2 Panel, Bronze Finished Framed Sliding Automatic Entrance.....	1,826.67	147.66
	For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add	114.85	
	For Emergency Egress On All Panels, Add	306.27	
08 42 29 23-0007	EA 10'-0" x 6'-8" 2 Panel, Bronze Finished Framed Sliding Automatic Entrance.....	2,388.52	178.97
	For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add	152.29	
	For Emergency Egress On All Panels, Add	406.11	
08 42 29 23-0008	EA 12'-0" x 6'-8" 2 Panel, Bronze Finished Framed Sliding Automatic Entrance.....	2,499.09	210.30
	For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add	155.89	
	For Emergency Egress On All Panels, Add	415.70	
08 42 29 23-0009	EA 15'-0" x 6'-8" 2 Panel, Bronze Finished Framed Sliding Automatic Entrance.....	3,310.38	241.61
	For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add	212.04	
	For Emergency Egress On All Panels, Add	565.43	
08 42 29 23-0010	4 Panel, Bronze Finished Framed Sliding Automatic Entrance (08 42 29 23-0001)		
	Note: Bi-parting.		
08 42 29 23-0011	EA 12'-0" x 6'-8" 4 Panel, Bronze Finished Framed Sliding Automatic Entrance.....	2,803.26	223.72
	For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add	176.69	
	For Emergency Egress On All Panels, Add	471.17	
08 42 29 23-0012	EA 14'-0" x 6'-8" 4 Panel, Bronze Finished Framed Sliding Automatic Entrance.....	3,074.25	246.09
	For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add	193.66	
	For Emergency Egress On All Panels, Add	516.41	
08 42 29 23-0013	EA 16'-0" x 6'-8" 4 Panel, Bronze Finished Framed Sliding Automatic Entrance.....	3,345.24	268.46
	For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add	210.62	
	For Emergency Egress On All Panels, Add	561.66	
08 42 29 23-0014	EA 18'-0" x 6'-8" 4 Panel, Bronze Finished Framed Sliding Automatic Entrance.....	4,018.72	290.83
	For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add	257.78	
	For Emergency Egress On All Panels, Add	687.41	
08 42 29 23-0015	EA 20'-0" x 6'-8" 4 Panel, Bronze Finished Framed Sliding Automatic Entrance.....	4,692.19	313.12
	For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add	304.93	
	For Emergency Egress On All Panels, Add	813.16	
08 42 29 23-0016	Aluminum Finished Framed Sliding Automatic Entrances (08 42 29 23)		
08 42 29 23-0017	2 Panel, Aluminum Finished Framed Sliding Automatic Entrance (08 42 29 23-0016)		
	Note: Single sliding.		
08 42 29 23-0018	EA 5'-0" x 6'-8" 2 Panel, Aluminum Finished Framed Sliding Automatic Entrance.....	1,269.33	89.49
	For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add	81.78	
	For Emergency Egress On All Panels, Add	218.07	
08 42 29 23-0019	EA 6'-0" x 6'-8" 2 Panel, Aluminum Finished Framed Sliding Automatic Entrance.....	1,429.57	120.81
	For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add	89.10	
	For Emergency Egress On All Panels, Add	237.59	
08 42 29 23-0020	EA 7'-0" x 6'-8" 2 Panel, Aluminum Finished Framed Sliding Automatic Entrance.....	1,555.53	134.23
	For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add	96.53	
	For Emergency Egress On All Panels, Add	257.41	
08 42 29 23-0021	EA 8'-0" x 6'-8" 2 Panel, Aluminum Finished Framed Sliding Automatic Entrance.....	1,682.40	147.66
	For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add	104.03	
	For Emergency Egress On All Panels, Add	277.42	
08 42 29 23-0022	EA 10'-0" x 6'-8" 2 Panel, Aluminum Finished Framed Sliding Automatic Entrance.....	2,197.23	178.97
	For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add	137.95	
	For Emergency Egress On All Panels, Add	367.86	
08 42 29 23-0023	EA 12'-0" x 6'-8" 2 Panel, Aluminum Finished Framed Sliding Automatic Entrance.....	2,303.28	210.30
	For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add	141.20	
	For Emergency Egress On All Panels, Add	376.54	
08 42 29 23-0024	EA 15'-0" x 6'-8" 2 Panel, Aluminum Finished Framed Sliding Automatic Entrance.....	3,044.06	241.61
	For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add	192.06	
	For Emergency Egress On All Panels, Add	512.17	
08 42 29 23-0025	4 Panel, Aluminum Finished Framed Sliding Automatic Entrance (08 42 29 23-0016)		
	Note: Bi-parting.		
08 42 29 23-0026	EA 12'-0" x 6'-8" 4 Panel, Aluminum Finished Framed Sliding Automatic Entrance.....	2,581.33	223.72
	For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add	160.04	
	For Emergency Egress On All Panels, Add	426.78	
08 42 29 23-0027	EA 14'-0" x 6'-8" 4 Panel, Aluminum Finished Framed Sliding Automatic Entrance.....	2,831.00	246.09
	For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add	175.41	
	For Emergency Egress On All Panels, Add	467.76	



Openings	08
Entrances, Storefronts, And Curtain Walls	08 40
Entrances	08 42

08

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 42 29 23-0028	EA		16'-0" x 6'-8" 4 Panel, Aluminum Finished Framed Sliding Automatic Entrance..... <i>For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add</i> <i>For Emergency Egress On All Panels, Add</i>	3,080.66 190.78 508.75	268.46
08 42 29 23-0029	EA		18'-0" x 6'-8" 4 Panel, Aluminum Finished Framed Sliding Automatic Entrance..... <i>For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add</i> <i>For Emergency Egress On All Panels, Add</i>	3,694.93 233.49 622.65	290.83
08 42 29 23-0030	EA		20'-0" x 6'-8" 4 Panel, Aluminum Finished Framed Sliding Automatic Entrance..... <i>For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add</i> <i>For Emergency Egress On All Panels, Add</i>	4,309.18 276.21 736.55	313.12
08 42 29 23-0031			Stainless Steel Framed Sliding Automatic Entrances (08 42 29 23)		
08 42 29 23-0032			2 Panel, Stainless Steel Framed Sliding Automatic Entrance (08 42 29 23-0031) Note: Single sliding.		
08 42 29 23-0033	EA		5'-0" x 6'-8" 2 Panel, Stainless Steel Framed Sliding Automatic Entrance..... <i>For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add</i> <i>For Emergency Egress On All Panels, Add</i>	1,574.42 104.66 279.09	89.49
08 42 29 23-0034	EA		6'-0" x 6'-8" 2 Panel, Stainless Steel Framed Sliding Automatic Entrance..... <i>For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add</i> <i>For Emergency Egress On All Panels, Add</i>	1,761.96 114.03 304.07	120.81
08 42 29 23-0035	EA		7'-0" x 6'-8" 2 Panel, Stainless Steel Framed Sliding Automatic Entrance..... <i>For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add</i> <i>For Emergency Egress On All Panels, Add</i>	2,043.66 133.14 355.04	134.23
08 42 29 23-0036	EA		8'-0" x 6'-8" 2 Panel, Stainless Steel Framed Sliding Automatic Entrance..... <i>For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add</i> <i>For Emergency Egress On All Panels, Add</i>	2,340.83 153.41 409.10	147.66
08 42 29 23-0037	EA		10'-0" x 6'-8" 2 Panel, Stainless Steel Framed Sliding Automatic Entrance..... <i>For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add</i> <i>For Emergency Egress On All Panels, Add</i>	2,711.86 176.54 470.78	178.97
08 42 29 23-0038	EA		12'-0" x 6'-8" 2 Panel, Stainless Steel Framed Sliding Automatic Entrance..... <i>For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add</i> <i>For Emergency Egress On All Panels, Add</i>	2,830.05 180.71 481.89	210.30
08 42 29 23-0039	EA		15'-0" x 6'-8" 2 Panel, Stainless Steel Framed Sliding Automatic Entrance..... <i>For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add</i> <i>For Emergency Egress On All Panels, Add</i>	3,760.59 245.80 655.47	241.61
08 42 29 23-0040			4 Panel, Stainless Steel Framed Sliding Automatic Entrance (08 42 29 23-0031) Note: Bi-parting.		
08 42 29 23-0041	EA		12'-0" x 6'-8" 4 Panel, Stainless Steel Framed Sliding Automatic Entrance..... <i>For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add</i> <i>For Emergency Egress On All Panels, Add</i>	3,178.40 204.82 546.19	223.72
08 42 29 23-0042	EA		14'-0" x 6'-8" 4 Panel, Stainless Steel Framed Sliding Automatic Entrance..... <i>For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add</i> <i>For Emergency Egress On All Panels, Add</i>	3,485.41 224.49 598.65	246.09
08 42 29 23-0043	EA		16'-0" x 6'-8" 4 Panel, Stainless Steel Framed Sliding Automatic Entrance..... <i>For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add</i> <i>For Emergency Egress On All Panels, Add</i>	3,792.40 244.16 651.10	268.46
08 42 29 23-0044	EA		18'-0" x 6'-8" 4 Panel, Stainless Steel Framed Sliding Automatic Entrance..... <i>For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add</i> <i>For Emergency Egress On All Panels, Add</i>	4,566.02 298.83 796.87	290.83
08 42 29 23-0045	EA		20'-0" x 6'-8" 4 Panel, Stainless Steel Framed Sliding Automatic Entrance..... <i>For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add</i> <i>For Emergency Egress On All Panels, Add</i>	5,339.62 353.49 942.64	313.21
08 42 29 23-0046			Accessories For Sliding Automatic Entrances (08 42 29 23) See CSI section 08 42 29 33-0006 for eye operators.		
08 42 29 23-0047	EA		Automatic 2 Panel Sliding Door Motor, Activation Eye Or Push Button Controls..... Note: Includes motor for pair of sliding doors (2 panels).	3,903.53	904.27
08 42 29 23-0048	EA		Automatic 4 Panel Sliding Door Motor, Activation Eye Or Push Button Controls..... Note: Includes motor for pair of sliding doors (4 panel).	6,712.71	1,356.41
08 42 29 33			Swinging Automatic Entrances (08 42 29) Note: Excludes glazing.		
08 42 29 33-0001			Swing Door Operators, Up To 350 LB Panel Weight (08 42 29 33) Note: Includes electro-mechanical swinging door operator and electrical controls, aluminum header, connecting hardware, actuating controls, and on/off/hold open switch. Excludes activation device, doors, and power connection. Stanley Magic Force or equal.		
08 42 29 33-0002	EA		Concealed Single Door Swing Door Operator, Up To 350 LB Panel Note: For new storefront or existing concealed operator installations.	2,893.55	518.80
08 42 29 33-0003	EA		Concealed Pair Of Doors Swing Door Operator, Up To 350 LB Panel Note: For new storefront or existing concealed operator installations.	4,750.14	691.77
08 42 29 33-0004	EA		Exposed Single Door Swing Door Operator, Up To 350 LB Panel	2,387.79	415.03
08 42 29 33-0005	EA		Exposed Pair Of Doors Swing Door Operator, Up To 350 LB Panel	4,152.48	622.55
08 42 29 33-0006			Activation Devices For Door Operators (08 42 29 33)		
08 42 29 33-0007	EA		Overhead Active Infrared Presence Detector For Door Operators (MS Sedco DH97) Note: Includes wiring harness and relays.	353.90	41.50
08 42 29 33-0008	EA		On Door Active Infrared Presence Detector For Door Operator (Stanley Sentrex RS)..... Note: Includes wiring harness and relays.	315.50	41.50

08 Openings**08 40 Entrances, Storefronts, And Curtain Walls****08 42 Entrances**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 42 29 33-0009 EA Microwave Motion Sensor For Door Operator (MS Sedco D38)	318.56	41.50
Note: Includes wiring harness and relays.		
08 42 29 33-0010 EA Push Plate For Door Operator (MS Sedco 59 Series)	135.69	41.50
Note: Excludes wiring from operator to push plate.		
08 42 29 33-0011 EA Jamb Mounted Push Button For Door Operator (MS Sedco 425 Series).....	116.74	41.50
Note: Excludes wiring from operator to push button.		
08 42 29 33-0012 EA Radio Control System For Door Operator (MS Sedco Clearpath).....	569.21	103.76
Note: Includes receiver and two push plate transmitters.		
For Single Transmitter (Includes Receiver, One Push Plate Transmitter, And One Jamb Mounted Push Button), Deduct	-64.00	
08 42 29 33-0013 EA Combination Digital Camera/Motion Detector For Door Operators (Stanley StanVision).....	752.45	51.88
Note: Includes wiring harness and relays.		
08 42 29 33-0014 EA Guard Rail For Door With Operator	184.70	51.88
08 42 33 Revolving Door Entrances (08 42)		
08 42 33 00-0001 Aluminum Revolving Doors (08 42 33)		
Note: Includes 3/4" tempered glass.		
08 42 33 00-0002 EA 4'-6" To 5' Diameter Revolving Door 6'-10" To 7' High Door, Aluminum, With Frame And Hardware.....	24,441.86	4,518.53
For Automatic Controls, Add	7,335.22	
For Powder Coated, Add	854.45	
08 42 33 00-0003 EA 5'-6" To 6' Diameter Revolving Door 6'-10" To 7' High Door, Aluminum, With Frame And Hardware.....	33,463.37	6,777.91
For Automatic Controls, Add	8,577.83	
For Powder Coated, Add	1,073.71	
08 42 33 00-0004 EA 6'-6" To 7' Diameter Revolving Door 6'-10" To 7' High Door, Aluminum, With Frame And Hardware.....	49,545.62	8,133.45
For Automatic Controls, Add	9,323.40	
For Powder Coated, Add	1,898.78	
08 42 33 00-0005 EA 4'-6" To 5' Diameter Revolving Door 7'-2" To 8' High Door, Aluminum, With Frame And Hardware.....	27,170.55	4,970.35
For Automatic Controls, Add	7,588.81	
For Powder Coated, Add	956.89	
08 42 33 00-0006 EA 5'-6" To 6' Diameter Revolving Door 7'-2" To 8' High Door, Aluminum, With Frame And Hardware.....	36,984.22	7,455.93
For Automatic Controls, Add	8,916.72	
For Powder Coated, Add	1,202.44	
08 42 33 00-0007 EA 6'-6" To 7' Diameter Revolving Door 7'-2" To 8' High Door, Aluminum, With Frame And Hardware.....	55,307.13	8,946.80
For Automatic Controls, Add	9,820.44	
For Powder Coated, Add	2,126.42	
08 42 33 00-0008 Stainless Steel Revolving Doors (08 42 33)		
Note: Includes 3/4" tempered glass.		
08 42 33 00-0009 EA 4'-6" To 5' Diameter Revolving Door 6'-10" To 7' High Door, Stainless Steel, With Frame And Hardware.....	25,008.27	4,518.53
For Automatic Controls, Add	7,335.22	
08 42 33 00-0010 EA 5'-6" To 6' Diameter Revolving Door 6'-10" To 7' High Door, Stainless Steel, With Frame And Hardware.....	34,175.13	6,777.91
For Automatic Controls, Add	8,577.83	
08 42 33 00-0011 EA 6'-6" To 7' Diameter Revolving Door 6'-10" To 7' High Door, Stainless Steel, With Frame And Hardware.....	50,804.30	8,133.45
For Automatic Controls, Add	9,323.40	
08 42 33 00-0012 EA 4'-6" To 5' Diameter Revolving Door 7'-2" To 8' High Door, Stainless Steel, With Frame And Hardware.....	27,806.38	4,970.35
For Automatic Controls, Add	7,588.81	
08 42 33 00-0013 EA 5'-6" To 6' Diameter Revolving Door 7'-2" To 8' High Door, Stainless Steel, With Frame And Hardware.....	37,783.21	7,455.93
For Automatic Controls, Add	8,916.72	
08 42 33 00-0014 EA 6'-6" To 7' Diameter Revolving Door 7'-2" To 8' High Door, Stainless Steel, With Frame And Hardware.....	56,720.07	8,946.80
For Automatic Controls, Add	9,820.44	
08 42 33 00-0015 Bronze Revolving Doors (08 42 33)		
Note: Includes 3/4" tempered glass.		
08 42 33 00-0016 EA 4'-6" To 5' Diameter Revolving Door 6'-10" To 7' High Door, Bronze, With Frame And Hardware.....	23,010.76	4,518.53
For Automatic Controls, Add	7,335.22	
08 42 33 00-0017 EA 5'-6" To 6' Diameter Revolving Door 6'-10" To 7' High Door, Bronze, With Frame And Hardware.....	31,665.03	6,777.91
For Automatic Controls, Add	8,577.83	
08 42 33 00-0018 EA 6'-6" To 7' Diameter Revolving Door 6'-10" To 7' High Door, Bronze, With Frame And Hardware.....	46,365.40	8,133.45
For Automatic Controls, Add	9,323.40	
08 42 33 00-0019 EA 4'-6" To 5' Diameter Revolving Door 7'-2" To 8' High Door, Bronze, With Frame And Hardware.....	25,569.17	4,970.35
For Automatic Controls, Add	7,588.81	
08 42 33 00-0020 EA 5'-6" To 6' Diameter Revolving Door 7'-2" To 8' High Door, Bronze, With Frame And Hardware.....	34,971.90	7,455.93
For Automatic Controls, Add	8,916.72	
08 42 33 00-0021 EA 6'-6" To 7' Diameter Revolving Door 7'-2" To 8' High Door, Bronze, With Frame And Hardware.....	51,748.50	8,946.80
For Automatic Controls, Add	9,820.44	
08 42 36 Balanced Door Entrances (08 42)		
08 42 36 00-0001 Balanced Doors, With Glass (08 42 36)		
Note: Includes 3/4" tempered glass, check and door guide, top pivot with bearing, torsion bar closer spring, bottom arm, semi-automatic hold open device, floor box, door roller guide, bottom pivot, top arm.		
08 42 36 00-0002 EA 2'-6" x 7'-0" Balanced Door, Stainless Steel.....	11,036.85	262.80
For Bronze Instead Of Stainless Steel, Deduct	-2,594.91	
For 70% Fluoropolymer Exterior Finish (Duramar), Add	1,037.97	
For Tinted Glass, Add	518.98	
For Aluminum, Painted Finish, Deduct	-3,113.90	
08 42 36 00-0003 EA 3'-6" x 7'-0" Balanced Door, Stainless Steel.....	11,458.37	262.80
For Bronze Instead Of Stainless Steel, Deduct	-2,700.29	
For 70% Fluoropolymer Exterior Finish (Duramar), Add	1,080.12	
For Tinted Glass, Add	540.06	
For Aluminum, Painted Finish, Deduct	-3,240.35	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 42 36 00-0004 EA 3'-6" x 7'-0" Balanced Door, Stainless Steel <i>For Bronze Instead Of Stainless Steel, Deduct</i> <i>For 70% Fluoropolymer Exterior Finish (Duranar), Add</i> <i>For Tinted Glass, Add</i> <i>For Aluminum, Painted Finish, Deduct</i>	12,482.12 -2,956.23 1,182.49 591.25 -3,547.48	262.80
08 42 36 00-0005 EA 4'-0" x 7'-0" Balanced Door, Stainless Steel <i>For Bronze Instead Of Stainless Steel, Deduct</i> <i>For 70% Fluoropolymer Exterior Finish (Duranar), Add</i> <i>For Tinted Glass, Add</i> <i>For Aluminum, Painted Finish, Deduct</i>	13,686.57 -3,257.34 1,302.94 651.47 -3,908.81	262.80
08 42 36 00-0006 PR Pair 3'-0" x 7'-0" Balanced Door, Stainless Steel <i>For Bronze Instead Of Stainless Steel, Deduct</i> <i>For 70% Fluoropolymer Exterior Finish (Duranar), Add</i> <i>For Tinted Glass, Add</i> <i>For Aluminum, Painted Finish, Deduct</i>	22,851.04 -5,400.59 2,160.24 1,080.12 -6,480.71	499.47

08 43 Storefronts (08 40)

08 43 13 Aluminum-Framed Storefronts (08 43)

08 43 13 00-0001 Aluminum Storefront Framing Assembly (08 43 13)
 Note: Includes frames, fasteners and accessories. Excludes steel reinforcement, doors (revolving, full-glass, balanced, sliding, bi-parting, etc.) and glazing. See CSI section 08 43 13 00-0083 for reinforcing steel (where required), 08 81 23 23-0045 for laminated glazing, 08 81 23 23-0051 for insulated glazing.

08 43 13 00-0002 1-3/4" x 4-1/2" Frame, Aluminum Storefront Framing Assembly (08 43 13 00-0001)
 Note: Includes subsill flashing, clear class II finish frames (sill, head jamb, vertical wall jamb), fasteners, caulking and accessories. Excludes steel reinforcement, doors (revolving, full-glass, balanced, sliding, bi-parting, etc.) and glazing.

08 43 13 00-0003 SF 5' High, 1-3/4" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly <i>For Various Color Class I Anodized Finish, Add</i> <i>For Black Color Class I Anodized Finish, Add</i>	17.75 0.47 1.40	6.57
08 43 13 00-0004 SF 6' High, 1-3/4" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly <i>For Various Color Class I Anodized Finish, Add</i> <i>For Black Color Class I Anodized Finish, Add</i>	15.96 0.42 1.26	5.92
08 43 13 00-0005 SF 7' High, 1-3/4" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly <i>For Various Color Class I Anodized Finish, Add</i> <i>For Black Color Class I Anodized Finish, Add</i>	14.68 0.39 1.16	5.45
08 43 13 00-0006 SF 8' High, 1-3/4" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly <i>For Various Color Class I Anodized Finish, Add</i> <i>For Black Color Class I Anodized Finish, Add</i>	13.72 0.36 1.08	5.10
08 43 13 00-0007 SF 9' High, 1-3/4" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly <i>For Various Color Class I Anodized Finish, Add</i> <i>For Black Color Class I Anodized Finish, Add</i>	12.97 0.34 1.02	4.83
08 43 13 00-0008 SF 10' High, 1-3/4" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly..... <i>For Various Color Class I Anodized Finish, Add</i> <i>For Black Color Class I Anodized Finish, Add</i>	12.38 0.32 0.97	4.62
08 43 13 00-0009 SF 11' High, 1-3/4" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly..... <i>For Various Color Class I Anodized Finish, Add</i> <i>For Black Color Class I Anodized Finish, Add</i>	11.89 0.31 0.93	4.44
08 43 13 00-0010 SF 12' High, 1-3/4" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly..... <i>For Various Color Class I Anodized Finish, Add</i> <i>For Black Color Class I Anodized Finish, Add</i>	11.48 0.30 0.90	4.29

08 43 13 00-0011 1-3/4" x 4-1/2" Frame With Horizontal Mullion, Aluminum Storefront Framing Assembly (08 43 13 00-0001)
 Note: Includes subsill flashing, clear class II finish frames (sill, head jamb, vertical wall jamb, single horizontal mullion), fasteners, caulking and accessories. Excludes steel reinforcement, doors (revolving, full-glass, balanced, sliding, bi-parting, etc.) and glazing.

08 43 13 00-0012 SF 5' High With Horizontal Mullion, 1-3/4" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly <i>For Various Color Class I Anodized Finish, Add</i> <i>For Black Color Class I Anodized Finish, Add</i>	23.15 0.61 1.83	8.59
08 43 13 00-0013 SF 6' High With Horizontal Mullion, 1-3/4" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly <i>For Various Color Class I Anodized Finish, Add</i> <i>For Black Color Class I Anodized Finish, Add</i>	20.43 0.54 1.62	7.61
08 43 13 00-0014 SF 7' High, With Horizontal Mullion, 1-3/4" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly <i>For Various Color Class I Anodized Finish, Add</i> <i>For Black Color Class I Anodized Finish, Add</i>	18.59 0.49 1.46	6.89
08 43 13 00-0015 SF 8' High, With Horizontal Mullion, 1-3/4" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly <i>For Various Color Class I Anodized Finish, Add</i> <i>For Black Color Class I Anodized Finish, Add</i>	17.14 0.45 1.35	6.35
08 43 13 00-0016 SF 9' High, With Horizontal Mullion, 1-3/4" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly <i>For Various Color Class I Anodized Finish, Add</i> <i>For Black Color Class I Anodized Finish, Add</i>	16.02 0.42 1.26	5.91
08 43 13 00-0017 SF 10' High, With Horizontal Mullion, 1-3/4" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly <i>For Various Color Class I Anodized Finish, Add</i> <i>For Black Color Class I Anodized Finish, Add</i>	15.08 0.39 1.18	5.64

08 Openings**08 40 Entrances, Storefronts, And Curtain Walls****08 43 Storefronts**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 43 13 00-0018	SF		11' High, With Horizontal Mullion, 1-3/4" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	14.39	5.37
			<i>For Various Color Class I Anodized Finish, Add</i>	0.38	
			<i>For Black Color Class I Anodized Finish, Add</i>	1.13	
08 43 13 00-0019	SF		12' High, With Horizontal Mullion, 1-3/4" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	13.77	5.10
			<i>For Various Color Class I Anodized Finish, Add</i>	0.36	
			<i>For Black Color Class I Anodized Finish, Add</i>	1.08	
08 43 13 00-0020			1-3/4" x 4-1/2" Frame With Two Horizontal Mullions, Aluminum Storefront Framing Assembly <small>(08 43 13 00-0001)</small>		
			Note: Includes subsill flashing, clear class II finish frames (sill, head jamb, vertical wall jamb, two horizontal mullion), fasteners, caulking and accessories. Excludes steel reinforcement, doors (revolving, full-glass, balanced, sliding, bi-parting, etc.) and glazing.		
08 43 13 00-0021	SF		5' High With Two Horizontal Mullions, 1-3/4" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	28.58	10.56
			<i>For Various Color Class I Anodized Finish, Add</i>	0.75	
			<i>For Black Color Class I Anodized Finish, Add</i>	2.26	
08 43 13 00-0022	SF		6' High With Two Horizontal Mullions, 1-3/4" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	25.01	9.22
			<i>For Various Color Class I Anodized Finish, Add</i>	0.66	
			<i>For Black Color Class I Anodized Finish, Add</i>	1.97	
08 43 13 00-0023	SF		7' High, With Two Horizontal Mullions, 1-3/4" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	22.44	8.32
			<i>For Various Color Class I Anodized Finish, Add</i>	0.59	
			<i>For Black Color Class I Anodized Finish, Add</i>	1.77	
08 43 13 00-0024	SF		8' High, With Two Horizontal Mullions, 1-3/4" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	20.51	7.61
			<i>For Various Color Class I Anodized Finish, Add</i>	0.54	
			<i>For Black Color Class I Anodized Finish, Add</i>	1.61	
08 43 13 00-0025	SF		9' High, With Two Horizontal Mullions, 1-3/4" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	18.95	7.07
			<i>For Various Color Class I Anodized Finish, Add</i>	0.50	
			<i>For Black Color Class I Anodized Finish, Add</i>	1.49	
08 43 13 00-0026	SF		10' High, With Two Horizontal Mullions, 1-3/4" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	17.79	6.62
			<i>For Various Color Class I Anodized Finish, Add</i>	0.47	
			<i>For Black Color Class I Anodized Finish, Add</i>	1.40	
08 43 13 00-0027	SF		11' High, With Two Horizontal Mullions, 1-3/4" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	16.82	6.27
			<i>For Various Color Class I Anodized Finish, Add</i>	0.44	
			<i>For Black Color Class I Anodized Finish, Add</i>	1.32	
08 43 13 00-0028	SF		12' High, With Two Horizontal Mullions, 1-3/4" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	16.01	6.00
			<i>For Various Color Class I Anodized Finish, Add</i>	0.42	
			<i>For Black Color Class I Anodized Finish, Add</i>	1.25	
08 43 13 00-0029			2" x 4-1/2" Frame, Aluminum Storefront Framing Assembly <small>(08 43 13 00-0001)</small>		
			Note: Includes subsill flashing, clear class II finish frames (sill, head jamb, vertical wall jamb), fasteners, caulking and accessories. Excludes steel reinforcement, doors (revolving, full-glass, balanced, sliding, bi-parting, etc.) and glazing.		
08 43 13 00-0030	SF		5' High, 2" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	18.34	6.89
			<i>For Various Color Class I Anodized Finish, Add</i>	0.48	
			<i>For Black Color Class I Anodized Finish, Add</i>	1.43	
08 43 13 00-0031	SF		6' High, 2" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	16.52	6.18
			<i>For Various Color Class I Anodized Finish, Add</i>	0.43	
			<i>For Black Color Class I Anodized Finish, Add</i>	1.28	
08 43 13 00-0032	SF		7' High, 2" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	15.10	5.73
			<i>For Various Color Class I Anodized Finish, Add</i>	0.39	
			<i>For Black Color Class I Anodized Finish, Add</i>	1.17	
08 43 13 00-0033	SF		8' High, 2" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	14.11	5.37
			<i>For Various Color Class I Anodized Finish, Add</i>	0.36	
			<i>For Black Color Class I Anodized Finish, Add</i>	1.09	
08 43 13 00-0034	SF		9' High, 2" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	13.32	5.01
			<i>For Various Color Class I Anodized Finish, Add</i>	0.34	
			<i>For Black Color Class I Anodized Finish, Add</i>	1.03	
08 43 13 00-0035	SF		10' High, 2" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	12.77	4.83
			<i>For Various Color Class I Anodized Finish, Add</i>	0.33	
			<i>For Black Color Class I Anodized Finish, Add</i>	0.98	
08 43 13 00-0036	SF		11' High, 2" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	12.18	4.65
			<i>For Various Color Class I Anodized Finish, Add</i>	0.31	
			<i>For Black Color Class I Anodized Finish, Add</i>	0.94	
08 43 13 00-0037	SF		12' High, 2" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	11.81	4.48
			<i>For Various Color Class I Anodized Finish, Add</i>	0.30	
			<i>For Black Color Class I Anodized Finish, Add</i>	0.90	
08 43 13 00-0038			2" x 4-1/2" Frame With Horizontal Mullion, Aluminum Storefront Framing Assembly <small>(08 43 13 00-0001)</small>		
			Note: Includes subsill flashing, clear class II finish frames (sill, head jamb, vertical wall jamb, single horizontal mullion), fasteners, caulking and accessories. Excludes steel reinforcement, doors (revolving, full-glass, balanced, sliding, bi-parting, etc.) and glazing.		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 43 13 00-0039 SF 5' High With Horizontal Mullion, 2" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	24.49	9.31
<i>For Various Color Class I Anodized Finish, Add</i>	0.62	
<i>For Black Color Class I Anodized Finish, Add</i>	1.86	
08 43 13 00-0040 SF 6' High With Horizontal Mullion, 2" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	21.54	8.23
<i>For Various Color Class I Anodized Finish, Add</i>	0.55	
<i>For Black Color Class I Anodized Finish, Add</i>	1.64	
08 43 13 00-0041 SF 7' High With Horizontal Mullion, 2" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	19.50	7.43
<i>For Various Color Class I Anodized Finish, Add</i>	0.49	
<i>For Black Color Class I Anodized Finish, Add</i>	1.48	
08 43 13 00-0042 SF 8' High With Horizontal Mullion, 2" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	17.93	6.89
<i>For Various Color Class I Anodized Finish, Add</i>	0.45	
<i>For Black Color Class I Anodized Finish, Add</i>	1.36	
08 43 13 00-0043 SF 9' High With Horizontal Mullion, 2" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	16.78	6.44
<i>For Various Color Class I Anodized Finish, Add</i>	0.42	
<i>For Black Color Class I Anodized Finish, Add</i>	1.27	
08 43 13 00-0044 SF 10' High With Horizontal Mullion, 2" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	15.75	6.09
<i>For Various Color Class I Anodized Finish, Add</i>	0.40	
<i>For Black Color Class I Anodized Finish, Add</i>	1.19	
08 43 13 00-0045 SF 11' High With Horizontal Mullion, 2" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	14.96	5.73
<i>For Various Color Class I Anodized Finish, Add</i>	0.38	
<i>For Black Color Class I Anodized Finish, Add</i>	1.13	
08 43 13 00-0046 SF 12' High With Horizontal Mullion, 2" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	14.32	5.45
<i>For Various Color Class I Anodized Finish, Add</i>	0.36	
<i>For Black Color Class I Anodized Finish, Add</i>	1.08	
08 43 13 00-0047 2" x 4-1/2" Frame With Two Horizontal Mullions, Aluminum Storefront Framing Assembly <small>(08 43 13 00-0001)</small>		
<small>Note: Includes subsill flashing, clear class II finish frames (sill, head jamb, vertical wall jamb, two horizontal mullion), fasteners, caulking and accessories. Excludes steel reinforcement, doors (revolving, full-glass, balanced, sliding, bi-parting, etc.) and glazing.</small>		
08 43 13 00-0048 SF 5' High With Two Horizontal Mullions, 2" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	29.46	11.10
<i>For Various Color Class I Anodized Finish, Add</i>	0.76	
<i>For Black Color Class I Anodized Finish, Add</i>	2.29	
08 43 13 00-0049 SF 6' High With Two Horizontal Mullions, 2" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	25.76	9.66
<i>For Various Color Class I Anodized Finish, Add</i>	0.67	
<i>For Black Color Class I Anodized Finish, Add</i>	2.00	
08 43 13 00-0050 SF 7' High With Two Horizontal Mullions, 2" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	23.07	8.68
<i>For Various Color Class I Anodized Finish, Add</i>	0.60	
<i>For Black Color Class I Anodized Finish, Add</i>	1.79	
08 43 13 00-0051 SF 8' High With Two Horizontal Mullions, 2" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	21.13	7.96
<i>For Various Color Class I Anodized Finish, Add</i>	0.54	
<i>For Black Color Class I Anodized Finish, Add</i>	1.63	
08 43 13 00-0052 SF 9' High With Two Horizontal Mullions, 2" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	19.55	7.34
<i>For Various Color Class I Anodized Finish, Add</i>	0.50	
<i>For Black Color Class I Anodized Finish, Add</i>	1.50	
08 43 13 00-0053 SF 10' High With Two Horizontal Mullions, 2" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	18.28	6.89
<i>For Various Color Class I Anodized Finish, Add</i>	0.47	
<i>For Black Color Class I Anodized Finish, Add</i>	1.41	
08 43 13 00-0054 SF 11' High With Two Horizontal Mullions, 2" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	17.29	6.53
<i>For Various Color Class I Anodized Finish, Add</i>	0.44	
<i>For Black Color Class I Anodized Finish, Add</i>	1.32	
08 43 13 00-0055 SF 12' High With Two Horizontal Mullions, 2" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	16.39	6.27
<i>For Various Color Class I Anodized Finish, Add</i>	0.42	
<i>For Black Color Class I Anodized Finish, Add</i>	1.26	
08 43 13 00-0056 2-1/2" x 5" Frame, Aluminum Storefront Framing Assembly <small>(08 43 13 00-0001)</small>		
<small>Note: Includes subsill flashing, clear class II finish frames (sill, head jamb, vertical wall jamb), fasteners, caulking and accessories. Excludes steel reinforcement, doors (revolving, full-glass, balanced, sliding, bi-parting, etc.) and glazing.</small>		
08 43 13 00-0057 SF 5' High, 2-1/2" x 5" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	21.88	7.07
<i>For Various Color Class I Anodized Finish, Add</i>	0.67	
<i>For Black Color Class I Anodized Finish, Add</i>	2.02	
08 43 13 00-0058 SF 6' High, 2-1/2" x 5" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	19.68	6.35
<i>For Various Color Class I Anodized Finish, Add</i>	0.61	
<i>For Black Color Class I Anodized Finish, Add</i>	1.82	

08 Openings**08 40 Entrances, Storefronts, And Curtain Walls****08 43 Storefronts**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 43 13 00-0059	SF		7' High, 2-1/2" x 5" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	18.15	5.82
			<i>For Various Color Class I Anodized Finish, Add</i>	0.56	
			<i>For Black Color Class I Anodized Finish, Add</i>	1.67	
08 43 13 00-0060	SF		8' High, 2-1/2" x 5" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	17.01	5.45
			<i>For Various Color Class I Anodized Finish, Add</i>	0.52	
			<i>For Black Color Class I Anodized Finish, Add</i>	1.56	
08 43 13 00-0061	SF		9' High, 2-1/2" x 5" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	16.10	5.19
			<i>For Various Color Class I Anodized Finish, Add</i>	0.49	
			<i>For Black Color Class I Anodized Finish, Add</i>	1.48	
08 43 13 00-0062	SF		10' High, 2-1/2" x 5" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	15.36	4.92
			<i>For Various Color Class I Anodized Finish, Add</i>	0.47	
			<i>For Black Color Class I Anodized Finish, Add</i>	1.41	
08 43 13 00-0063	SF		11' High, 2-1/2" x 5" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	14.78	4.74
			<i>For Various Color Class I Anodized Finish, Add</i>	0.45	
			<i>For Black Color Class I Anodized Finish, Add</i>	1.36	
08 43 13 00-0064	SF		12' High, 2-1/2" x 5" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	14.26	4.57
			<i>For Various Color Class I Anodized Finish, Add</i>	0.44	
			<i>For Black Color Class I Anodized Finish, Add</i>	1.31	
08 43 13 00-0065			2-1/2" x 5" Frame With Horizontal Mullion, Aluminum Storefront Framing Assembly <small>(08 43 13 00-0001)</small>		
			Note: Includes subsill flashing, clear class II finish frames (sill, head jamb, vertical wall jamb, single horizontal mullion), fasteners, caulking and accessories. Excludes steel reinforcement, doors (revolving, full-glass, balanced, sliding, bi-parting, etc.) and glazing.		
08 43 13 00-0066	SF		5' High with Horizontal Mullion, 2-1/2" x 5" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	29.03	9.49
			<i>For Various Color Class I Anodized Finish, Add</i>	0.88	
			<i>For Black Color Class I Anodized Finish, Add</i>	2.63	
08 43 13 00-0067	SF		6' High with Horizontal Mullion, 2-1/2" x 5" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	25.64	8.41
			<i>For Various Color Class I Anodized Finish, Add</i>	0.78	
			<i>For Black Color Class I Anodized Finish, Add</i>	2.33	
08 43 13 00-0068	SF		7' High with Horizontal Mullion, 2-1/2" x 5" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	23.26	7.61
			<i>For Various Color Class I Anodized Finish, Add</i>	0.70	
			<i>For Black Color Class I Anodized Finish, Add</i>	2.11	
08 43 13 00-0069	SF		8' High with Horizontal Mullion, 2-1/2" x 5" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	21.46	6.98
			<i>For Various Color Class I Anodized Finish, Add</i>	0.65	
			<i>For Black Color Class I Anodized Finish, Add</i>	1.95	
08 43 13 00-0070	SF		9' High with Horizontal Mullion, 2-1/2" x 5" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	20.03	6.53
			<i>For Various Color Class I Anodized Finish, Add</i>	0.61	
			<i>For Black Color Class I Anodized Finish, Add</i>	1.82	
08 43 13 00-0071	SF		10' High with Horizontal Mullion, 2-1/2" x 5" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	18.94	6.18
			<i>For Various Color Class I Anodized Finish, Add</i>	0.57	
			<i>For Black Color Class I Anodized Finish, Add</i>	1.72	
08 43 13 00-0072	SF		11' High with Horizontal Mullion, 2-1/2" x 5" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	18.03	5.91
			<i>For Various Color Class I Anodized Finish, Add</i>	0.54	
			<i>For Black Color Class I Anodized Finish, Add</i>	1.63	
08 43 13 00-0073	SF		12' High with Horizontal Mullion, 2-1/2" x 5" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	17.19	5.64
			<i>For Various Color Class I Anodized Finish, Add</i>	0.52	
			<i>For Black Color Class I Anodized Finish, Add</i>	1.56	
08 43 13 00-0074			2-1/2" x 5" Frame With Two Horizontal Mullions, Aluminum Storefront Framing Assembly <small>(08 43 13 00-0001)</small>		
			Note: Includes subsill flashing, clear class II finish frames (sill, head jamb, vertical wall jamb, two horizontal mullion), fasteners, caulking and accessories. Excludes steel reinforcement, doors (revolving, full-glass, balanced, sliding, bi-parting, etc.) and glazing.		
08 43 13 00-0075	SF		5' High With Two Horizontal Mullions, 2-1/2" x 5" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	34.75	11.10
			<i>For Various Color Class I Anodized Finish, Add</i>	1.08	
			<i>For Black Color Class I Anodized Finish, Add</i>	3.24	
08 43 13 00-0076	SF		6' High With Two Horizontal Mullions, 2-1/2" x 5" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	30.61	9.84
			<i>For Various Color Class I Anodized Finish, Add</i>	0.95	
			<i>For Black Color Class I Anodized Finish, Add</i>	2.84	
08 43 13 00-0077	SF		7' High With Two Horizontal Mullions, 2-1/2" x 5" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	27.47	8.86
			<i>For Various Color Class I Anodized Finish, Add</i>	0.85	
			<i>For Black Color Class I Anodized Finish, Add</i>	2.55	
08 43 13 00-0078	SF		8' High With Two Horizontal Mullions, 2-1/2" x 5" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	25.19	8.05
			<i>For Various Color Class I Anodized Finish, Add</i>	0.78	
			<i>For Black Color Class I Anodized Finish, Add</i>	2.33	
08 43 13 00-0079	SF		9' High With Two Horizontal Mullions, 2-1/2" x 5" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	23.35	7.52
			<i>For Various Color Class I Anodized Finish, Add</i>	0.72	
			<i>For Black Color Class I Anodized Finish, Add</i>	2.16	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 43 13 00-0080 SF 10' High With Two Horizontal Mullions, 2-1/2" x 5" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	21.89	7.07
<i>For Various Color Class I Anodized Finish, Add</i>	0.67	
<i>For Black Color Class I Anodized Finish, Add</i>	2.02	
08 43 13 00-0081 SF 11' High With Two Horizontal Mullions, 2-1/2" x 5" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	20.64	6.62
<i>For Various Color Class I Anodized Finish, Add</i>	0.64	
<i>For Black Color Class I Anodized Finish, Add</i>	1.91	
08 43 13 00-0082 SF 12' High With Two Horizontal Mullions, 2-1/2" x 5" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	19.69	6.35
<i>For Various Color Class I Anodized Finish, Add</i>	0.61	
<i>For Black Color Class I Anodized Finish, Add</i>	1.82	
08 43 13 00-0083 Accessories For Aluminum Storefront Framing Assembly (08 43 13 00-0001)		
08 43 13 00-0084 LF For 3/4" x 4-3/16" x 10 Gauge Galvanized Steel Reinforcing, Storefront Framing.....	22.71	5.96
08 43 13 00-0085 LF For 1-1/4" x 4-3/16" x 10 Gauge Galvanized Steel Reinforcing, Storefront Framing.....	25.70	6.55
08 43 13 00-0086 LF For 1-7/16" x 4-5/8" x 1/4" Steel Reinforcing, Storefront Framing.....	37.11	7.20
08 43 19 Stainless-Steel-Framed Storefronts (08 43)		
08 43 19 00-0001 Stainless Steel Storefront Framing Assembly (08 43 19)		
Note: Includes frames, reinforcing and accessories. Excludes doors (revolving, full-glass, balanced, sliding, bi-parting, etc.) and glazing. Per SF of opening area. See CSI section 08 81 23 23-0051 for insulated glazing.		
08 43 19 00-0002 SF Stainless Steel Storefront Framing Assembly.....	38.17	4.48
<i>For 70% Fluoropolymer Exterior Finish (Duranar), Add</i>	3.14	
08 44 Curtain Wall And Glazed Assemblies (08 40)		
08 44 13 Glazed Aluminum Curtain Walls (08 44)		
08 44 13 00-0001 Curtain Walls (08 44 13)		
08 44 13 00-0002 Coping Sections (08 44 13 00-0001)		
08 44 13 00-0003 LF Curtain Wall, 1/8" x 8" Coping Section Shaped (3") Aluminum System Framing Section.....	28.86	2.69
<i>For Bronze Anodized Aluminum, Add</i>	1.97	
<i>For Stainless Steel, Add</i>	8.68	
<i>For Black Anodized Finish, Add</i>	3.55	
08 44 13 00-0004 LF Curtain Wall, 1/8" x 9" Coping Section Shaped (4") Aluminum System Framing Section.....	29.56	2.69
<i>For Bronze Anodized Aluminum, Add</i>	2.08	
<i>For Stainless Steel, Add</i>	9.10	
<i>For Black Anodized Finish, Add</i>	3.74	
08 44 13 00-0005 LF Curtain Wall, 1/8" x 12-1/2" Coping Section Shaped (5-1/2") Aluminum Framing Section.....	36.01	3.58
<i>For Bronze Anodized Aluminum, Add</i>	2.47	
<i>For Stainless Steel, Add</i>	10.85	
<i>For Black Anodized Finish, Add</i>	4.44	
08 44 13 00-0006 Sill Section (08 44 13 00-0001)		
08 44 13 00-0007 LF Aluminum Curtain Wall, 1/8" x 6" Sill Section Shaped Aluminum System Framing Section.....	22.47	1.79
<i>For Bronze Anodized Aluminum, Add</i>	1.71	
<i>For Stainless Steel, Add</i>	7.40	
<i>For Black Anodized Finish, Add</i>	3.08	
08 44 13 00-0008 LF Aluminum Curtain Wall, 1/8" x 7" Sill Section Shaped Aluminum System Framing Section.....	23.69	1.79
<i>For Bronze Anodized Aluminum, Add</i>	1.90	
<i>For Stainless Steel, Add</i>	8.14	
<i>For Black Anodized Finish, Add</i>	3.41	
08 44 13 00-0009 LF Aluminum Curtain Wall, 1/8" x 8-1/2" Sill Section Shaped Aluminum System Framing Section.....	24.92	1.79
<i>For Bronze Anodized Aluminum, Add</i>	2.08	
<i>For Stainless Steel, Add</i>	8.87	
<i>For Black Anodized Finish, Add</i>	3.74	
08 44 13 00-0010 Aluminum Column Covers (08 44 13 00-0001)		
Note: Includes all clips and fasteners.		
08 44 13 00-0011 LF Aluminum Column Covers, 1/8" x 26", Shaped.....	53.96	4.48
<i>For Bronze Anodized Aluminum, Add</i>	4.31	
<i>For Stainless Steel, Add</i>	18.51	
<i>For Black Anodized Finish, Add</i>	7.76	
08 44 13 00-0012 LF Aluminum Column Covers, 1/8" x 34", Shaped.....	63.42	4.48
<i>For Bronze Anodized Aluminum, Add</i>	5.51	
<i>For Stainless Steel, Add</i>	23.36	
<i>For Black Anodized Finish, Add</i>	9.91	
08 44 13 00-0013 LF Aluminum Column Covers, 1/8" x 38", Shaped.....	66.68	4.48
<i>For Bronze Anodized Aluminum, Add</i>	5.99	
<i>For Stainless Steel, Add</i>	25.31	
<i>For Black Anodized Finish, Add</i>	10.79	
08 44 13 00-0014 Spandrel Covers (08 44 13 00-0001)		
Note: Where exterior facing only is described in the following the interior face will be tempered hardboard (to be painted).		

08 Openings**08 40 Entrances, Storefronts, And Curtain Walls****08 44 Curtain Wall And Glazed Assemblies**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 44 13 00-0015	SF		1" Spandrel Cover, Aluminum Both Faces.....	19.99	1.79
			<i>For Bronze Anodized Aluminum, Add</i>	1.87	
			<i>For Stainless Steel, Add</i>	7.86	
			<i>For Black Anodized Finish, Add</i>	3.37	
08 44 13 00-0016	SF		1" Spandrel Cover, Aluminum Exterior Face.....	18.14	1.79
			<i>For Bronze Anodized Aluminum, Add</i>	1.59	
			<i>For Stainless Steel, Add</i>	6.75	
			<i>For Black Anodized Finish, Add</i>	2.87	
08 44 13 00-0017	SF		1" Spandrel Cover, Epoxy Both Faces.....	33.46	1.79
			<i>For Bronze Anodized Aluminum, Add</i>	3.89	
			<i>For Stainless Steel, Add</i>	15.94	
			<i>For Black Anodized Finish, Add</i>	7.00	
08 44 13 00-0018	SF		1" Spandrel Cover, Epoxy Exterior Face Only.....	28.24	1.79
			<i>For Bronze Anodized Aluminum, Add</i>	3.11	
			<i>For Stainless Steel, Add</i>	12.81	
			<i>For Black Anodized Finish, Add</i>	5.59	
08 44 13 00-0019	SF		2" Spandrel Cover, Aluminum Both Faces.....	23.15	1.79
			<i>For Bronze Anodized Aluminum, Add</i>	2.05	
			<i>For Stainless Steel, Add</i>	8.68	
			<i>For Black Anodized Finish, Add</i>	3.69	
08 44 13 00-0020	SF		2" Spandrel Cover, Aluminum Exterior Face.....	21.40	1.79
			<i>For Bronze Anodized Aluminum, Add</i>	1.79	
			<i>For Stainless Steel, Add</i>	7.63	
			<i>For Black Anodized Finish, Add</i>	3.22	
08 44 13 00-0021	SF		2" Spandrel Cover, Epoxy Both Faces.....	38.82	1.79
			<i>For Bronze Anodized Aluminum, Add</i>	4.40	
			<i>For Stainless Steel, Add</i>	18.08	
			<i>For Black Anodized Finish, Add</i>	7.92	
08 44 13 00-0022	SF		2" Spandrel Cover, Epoxy Exterior Face Only.....	32.80	1.79
			<i>For Bronze Anodized Aluminum, Add</i>	3.50	
			<i>For Stainless Steel, Add</i>	14.47	
			<i>For Black Anodized Finish, Add</i>	6.30	
08 44 13 00-0023			Curtain Wall, Aluminum System Framing Sections (08 44 13 00-0001)		
			Note: The prices are based on stock shapes of anodized aluminum, plain color and of 0.125" thickness.		
08 44 13 00-0024	LF		Aluminum System Curtain Wall, 1-1/2" x 3" Jamb Aluminum Framed Window Walls.....	19.47	1.79
			<i>For Bronze Anodized Aluminum, Add</i>	1.86	
			<i>For Stainless Steel, Add</i>	7.78	
			<i>For Black Anodized Finish, Add</i>	3.34	
08 44 13 00-0025	LF		Aluminum System Curtain Wall, 1-1/2" x 3" Head Aluminum Framed Window Walls.....	19.33	1.79
			<i>For Bronze Anodized Aluminum, Add</i>	1.86	
			<i>For Stainless Steel, Add</i>	7.77	
			<i>For Black Anodized Finish, Add</i>	3.34	
08 44 13 00-0026	LF		Aluminum System Curtain Wall, 1-1/2" x 3" Mullion Aluminum Framed Window Walls.....	19.34	1.79
			<i>For Bronze Anodized Aluminum, Add</i>	1.86	
			<i>For Stainless Steel, Add</i>	7.78	
			<i>For Black Anodized Finish, Add</i>	3.34	
			<i>For Corner Mullion, Add</i>	4.14	
08 44 13 00-0027	LF		Aluminum System Curtain Wall, 2" x 4" Jamb Aluminum Framed Window Walls.....	25.53	3.58
			<i>For Bronze Anodized Aluminum, Add</i>	2.22	
			<i>For Stainless Steel, Add</i>	9.41	
			<i>For Black Anodized Finish, Add</i>	3.99	
08 44 13 00-0028	LF		Aluminum System Curtain Wall, 2" x 4" Horizontal Aluminum Framed Window Walls.....	25.53	3.58
			<i>For Bronze Anodized Aluminum, Add</i>	2.22	
			<i>For Stainless Steel, Add</i>	9.41	
			<i>For Black Anodized Finish, Add</i>	3.99	
08 44 13 00-0029	LF		Aluminum System Curtain Wall, 2" x 4" Mullion Aluminum Framed Window Walls.....	25.53	3.58
			<i>For Bronze Anodized Aluminum, Add</i>	2.22	
			<i>For Stainless Steel, Add</i>	9.41	
			<i>For Black Anodized Finish, Add</i>	3.99	
			<i>For Corner Mullion, Add</i>	5.31	
08 44 13 00-0030	LF		Aluminum System Curtain Wall, 2" x 6" Jamb Aluminum Framed Window Walls.....	28.13	3.93
			<i>For Bronze Anodized Aluminum, Add</i>	2.43	
			<i>For Stainless Steel, Add</i>	10.32	
			<i>For Black Anodized Finish, Add</i>	4.38	
08 44 13 00-0031	LF		Aluminum System Curtain Wall, 2" x 6" Horizontal Aluminum Framed Window Walls.....	28.13	3.93
			<i>For Bronze Anodized Aluminum, Add</i>	2.43	
			<i>For Stainless Steel, Add</i>	10.32	
			<i>For Black Anodized Finish, Add</i>	4.38	
08 44 13 00-0032	LF		Aluminum System Curtain Wall, 2" x 6" Mullion Aluminum Framed Window Walls.....	28.13	3.93
			<i>For Bronze Anodized Aluminum, Add</i>	2.43	
			<i>For Stainless Steel, Add</i>	10.32	
			<i>For Black Anodized Finish, Add</i>	4.38	
			<i>For Corner Mullion, Add</i>	5.84	
08 44 13 00-0033	LF		Aluminum System Curtain Wall, 3" x 5-1/2" Jamb Aluminum Framed Window Walls.....	30.88	4.48
			<i>For Bronze Anodized Aluminum, Add</i>	2.64	
			<i>For Stainless Steel, Add</i>	11.24	
			<i>For Black Anodized Finish, Add</i>	4.76	
08 44 13 00-0034	LF		Aluminum System Curtain Wall, 3" x 5-1/2" Horizontal Aluminum Framed Window Walls.....	30.88	4.48
			<i>For Bronze Anodized Aluminum, Add</i>	2.64	
			<i>For Stainless Steel, Add</i>	11.24	
			<i>For Black Anodized Finish, Add</i>	4.76	



Openings	08
Entrances, Storefronts, And Curtain Walls	08 40
Curtain Wall And Glazed Assemblies	08 44

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 44 13 00-0035 LF Aluminum System Curtain Wall, 3" x 5-1/2" Mullion Aluminum Framed Window Walls.....	30.88	4.48
For Bronze Anodized Aluminum, Add	2.64	
For Stainless Steel, Add	11.24	
For Black Anodized Finish, Add	4.76	
For Corner Mullion, Add	6.40	
08 44 13 00-0036 LF Aluminum System Curtain Wall, 3" x 6-3/4" Jamb Aluminum Framed Window Walls.....	34.36	4.83
For Bronze Anodized Aluminum, Add	2.98	
For Stainless Steel, Add	12.66	
For Black Anodized Finish, Add	5.37	
08 44 13 00-0037 LF Aluminum System Curtain Wall, 3" x 6-3/4" Horizontal Aluminum Framed Window Walls	34.36	4.83
For Bronze Anodized Aluminum, Add	2.98	
For Stainless Steel, Add	12.66	
For Black Anodized Finish, Add	5.37	
08 44 13 00-0038 LF Aluminum System Curtain Wall, 3" x 6-3/4" Mullion Aluminum Framed Window Walls.....	34.36	4.83
For Bronze Anodized Aluminum, Add	2.98	
For Stainless Steel, Add	12.66	
For Black Anodized Finish, Add	5.37	
For Corner Mullion, Add	7.14	
08 44 13 00-0039 LF Aluminum System Curtain Wall, 3" x 8-3/4" Jamb Aluminum Framed Window Walls.....	39.43	5.37
For Bronze Anodized Aluminum, Add	3.42	
For Stainless Steel, Add	14.53	
For Black Anodized Finish, Add	6.16	
08 44 13 00-0040 LF Aluminum System Curtain Wall, 3" x 8-3/4" Horizontal Aluminum Framed Window Walls	39.43	5.37
For Bronze Anodized Aluminum, Add	3.42	
For Stainless Steel, Add	14.53	
For Black Anodized Finish, Add	6.16	
08 44 13 00-0041 LF Aluminum System Curtain Wall, 3" x 8-3/4" Mullion Aluminum Framed Window Walls.....	39.43	5.37
For Bronze Anodized Aluminum, Add	3.42	
For Stainless Steel, Add	14.53	
For Black Anodized Finish, Add	6.16	
For Corner Mullion, Add	8.20	

08 44 26 Structural Glass Curtain Walls (08 44)

08 44 26 16 Metal Framed Point Supported Glass Curtain Walls (08 44 26)

08 44 26 16-0001 Centria Exterior Closure Components (08 44 26 16)		
08 44 26 16-0002 SF Centria CS-260, 210 Single Skin Metal Panel	44.29	
Note: Metal Panels include panel system base, vertical joints, vertical joint covers, foam and metal closure for vertical joints, clips and attachments. Includes extruded aluminum coping with two coats of 70% Mica Kynar finish factory installed.		
08 44 26 16-0003 SF Centria Formawall Insulated Metal Panels.....	64.41	
Note: Includes two coats of 70% Mica Kynar finish factory installed. Includes base extrusion and coping extrusions.		
08 44 26 16-0004 LF Centria Formawall Insulated Metal Panels Radius Column	106.09	
Note: Includes radius coping.		
08 44 26 16-0005 LF Centria Formawall Insulated Metal Panels Coping	21.22	
08 44 26 16-0006 SF Centria Formawavue 3000 Thru Tube Window System Without Glass	77.81	
Note: 20 PSF wind load with 70% Mica Kynar two coat finish factory installed.		
08 44 26 16-0007 SF Centria Formawavue 3000 Insulated Vision Units	11.87	
Note: Vision insulated units to be 1" clear tempered insulated units with PPG Solarban 60 low-e coating on the #2 surface.		
08 44 26 16-0008 SF Centria Formawavue 3000 Insulated Silkscreen Pattern Units.....	22.97	
Note: Silkscreen units to be 1" clear tempered insulated units with PPG Solarban 60 low-e coating on the #2 surface and manufacturers standard silk screen (dots or lines) pattern on inboard lite.		
08 44 26 16-0009 LF Centria Integrated Louver System.....	150.54	
Note: Factory installed 70% Mica Kynar two coat finish. Excludes blank-off panels or insect screens.		
08 44 26 16-0010 LF Centria Integrated Sunshade System	717.01	
Note: Factory installed 70% Mica Kynar two coat finish.		
08 44 26 16-0011 Kalwall Exterior Closure Components (08 44 26 16)		
08 44 26 16-0012 SF Kalwall Translucent Panel System Standard	90.70	
Note: 25 PSF wind load. Factory installed 70% Mica Kynar two coat finish.		
08 44 26 16-0013 SF Kalwall Translucent Panel System High Impact.....	93.98	
08 44 26 16-0014 EA Wind Clips.....	191.45	
Note: 2 per connection to steel tube includes all welding, fasteners, prep, and clean up.		
08 44 26 16-0015 EA Sill Angle With Welded Support Angles For The Kalwall System	223.36	
Note: Includes all welding, fasteners, prep, and clean up.		
08 44 26 16-0016 EA Kalwall Head Channel At Coping (Galvanized 16 Gauge 2 x 4.5").....	10.21	
08 44 26 16-0017 EA Kalwall Head Channel At Corners (Galvanized 16 Gauge 2 x 4.5")	44.67	

08 45 Translucent Wall And Roof Assemblies (08 40)

08 45 23 Fiberglass-Sandwich-Panel Assemblies (08 45)

08 45 23 00-0001 Translucent Fiberglass Panels 2-3/4" Thick (08 45 23)		
08 45 23 00-0002 SF <5,000 SF Translucent Fiberglass Panel 2-3/4" Thick, Metal Framed.....	40.28	5.34
For Aluminum Frame, Add	3.23	
08 45 23 00-0003 SF >5,000 SF Translucent Fiberglass Panel 2-3/4" Thick, Metal Framed.....	36.54	4.55
For Aluminum Frame, Add	2.97	

08 Openings**08 50 Windows****08 45 Translucent Wall And Roof Assemblies**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST
08 50 Windows (08)

Note: Includes hardware, caulk, sealant and mounting anchors. Operable windows include weather stripping. Demolition includes removal of frame, glass and insect screens.

08 51 Metal Windows (08 50)**08 51 13 Aluminum Windows** (08 51)

Note: All units are of standard brushed finish. See CSI section 08 80 00 00-0000 for glazing.

08 51 13 00-0001 Aluminum Windows (08 51 13)

Note: Includes standard acrylic paint finish. Excludes glazing, panning and aluminum trim.

08 51 13 00-0002 Single Hung Aluminum Windows (08 51 13 00-0001)**08 51 13 00-0003 2-3/4" Frame Depth, C 35, Tilt In Sash, Single Hung Aluminum Window (Traco TR-5400)** (08 51 13 00-0002)

08 51 13 00-0004	EA	>6 To 6 SF, 2-3/4" Frame Depth, C 35, Tilt In Sash, Single Hung Aluminum Window (Traco TR-5400).....	339.56	86.81
		<i>For Installation In Concrete Or Masonry, Add</i>	33.81	
		<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	3.90	
		<i>For 70% Fluoropolymer Finish (Durandar), Add</i>	11.69	
		<i>For Clear Anodized Finish, Add</i>	9.74	
		<i>For Color Anodized Finish, Add</i>	13.64	
08 51 13 00-0005	EA	>6 To 10 SF, 2-3/4" Frame Depth, C 35, Tilt In Sash, Single Hung Aluminum Window (Traco TR-5400).....	378.68	92.23
		<i>For Installation In Concrete Or Masonry, Add</i>	36.37	
		<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	4.50	
		<i>For 70% Fluoropolymer Finish (Durandar), Add</i>	13.50	
		<i>For Clear Anodized Finish, Add</i>	11.25	
		<i>For Color Anodized Finish, Add</i>	15.75	
08 51 13 00-0006	EA	>10 To 15 SF, 2-3/4" Frame Depth, C 35, Tilt In Sash, Single Hung Aluminum Window (Traco TR-5400).....	412.58	97.66
		<i>For Installation In Concrete Or Masonry, Add</i>	38.80	
		<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	5.00	
		<i>For 70% Fluoropolymer Finish (Durandar), Add</i>	14.99	
		<i>For Clear Anodized Finish, Add</i>	12.49	
		<i>For Color Anodized Finish, Add</i>	17.49	
08 51 13 00-0007	EA	>15 To 20 SF, 2-3/4" Frame Depth, C 35, Tilt In Sash, Single Hung Aluminum Window (Traco TR-5400).....	441.24	103.09
		<i>For Installation In Concrete Or Masonry, Add</i>	41.10	
		<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	5.39	
		<i>For 70% Fluoropolymer Finish (Durandar), Add</i>	16.17	
		<i>For Clear Anodized Finish, Add</i>	13.47	
		<i>For Color Anodized Finish, Add</i>	18.86	
08 51 13 00-0008	EA	>20 To 30 SF, 2-3/4" Frame Depth, C 35, Tilt In Sash, Single Hung Aluminum Window (Traco TR-5400).....	501.29	108.51
		<i>For Installation In Concrete Or Masonry, Add</i>	44.18	
		<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	6.41	
		<i>For 70% Fluoropolymer Finish (Durandar), Add</i>	19.23	
		<i>For Clear Anodized Finish, Add</i>	16.02	
		<i>For Color Anodized Finish, Add</i>	22.43	
08 51 13 00-0009	SF	>30 SF, 2-3/4" Frame Depth, C 35, Tilt In Sash, Single Hung Aluminum Window (Traco TR-5400).....	16.11	3.26
		<i>For Installation In Concrete Or Masonry, Add</i>	1.35	
		<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	0.21	
		<i>For 70% Fluoropolymer Finish (Durandar), Add</i>	0.64	
		<i>For Clear Anodized Finish, Add</i>	0.53	
		<i>For Color Anodized Finish, Add</i>	0.75	

08 51 13 00-0010 3-1/4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9100) (08 51 13 00-0002)

08 51 13 00-0011	EA	Up To 6 SF, 3-1/4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9100).....	478.19	86.81
		<i>For Installation In Concrete Or Masonry, Add</i>	37.27	
		<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	6.67	
		<i>For 70% Fluoropolymer Finish (Durandar), Add</i>	20.01	
		<i>For Clear Anodized Finish, Add</i>	16.68	
		<i>For Color Anodized Finish, Add</i>	23.35	
08 51 13 00-0012	EA	>6 To 10 SF, 3-1/4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9100).....	529.09	92.23
		<i>For Installation In Concrete Or Masonry, Add</i>	40.13	
		<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	7.51	
		<i>For 70% Fluoropolymer Finish (Durandar), Add</i>	22.52	
		<i>For Clear Anodized Finish, Add</i>	18.77	
		<i>For Color Anodized Finish, Add</i>	26.28	
08 51 13 00-0013	EA	>10 To 15 SF, 3-1/4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9100).....	572.14	97.66
		<i>For Installation In Concrete Or Masonry, Add</i>	42.79	
		<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	8.19	
		<i>For 70% Fluoropolymer Finish (Durandar), Add</i>	24.56	
		<i>For Clear Anodized Finish, Add</i>	20.47	
		<i>For Color Anodized Finish, Add</i>	28.66	
08 51 13 00-0014	EA	>15 To 20 SF, 3-1/4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9100).....	613.88	103.09
		<i>For Installation In Concrete Or Masonry, Add</i>	45.41	
		<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	8.84	
		<i>For 70% Fluoropolymer Finish (Durandar), Add</i>	26.52	
		<i>For Clear Anodized Finish, Add</i>	22.10	
		<i>For Color Anodized Finish, Add</i>	30.94	



Openings	08	08
Windows	08 50	
Metal Windows	08 51	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 51 13 00-0015 EA >20 To 30 SF, 3-1/4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9100)	721.01	108.51
<i>For Installation In Concrete Or Masonry, Add</i>	49.67	
<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	10.80	
<i>For 70% Fluoropolymer Finish (Duranar), Add</i>	32.41	
<i>For Clear Anodized Finish, Add</i>	27.01	
<i>For Color Anodized Finish, Add</i>	37.81	
08 51 13 00-0016 SF >30 SF, 3-1/4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9100)	23.43	3.26
<i>For Installation In Concrete Or Masonry, Add</i>	1.53	
<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	0.36	
<i>For 70% Fluoropolymer Finish (Duranar), Add</i>	1.08	
<i>For Clear Anodized Finish, Add</i>	0.90	
<i>For Color Anodized Finish, Add</i>	1.26	
08 51 13 00-0017 3-1/4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9700) <small>(08 51 13 00-0002)</small>		
08 51 13 00-0018 EA Up To 6 SF, 3-1/4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9700)	501.74	86.81
<i>For Installation In Concrete Or Masonry, Add</i>	37.86	
<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	7.14	
<i>For 70% Fluoropolymer Finish (Duranar), Add</i>	21.42	
<i>For Clear Anodized Finish, Add</i>	17.85	
<i>For Color Anodized Finish, Add</i>	24.99	
08 51 13 00-0019 EA >6 To 10 SF, 3-1/4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9700)	561.78	92.23
<i>For Installation In Concrete Or Masonry, Add</i>	40.95	
<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	8.16	
<i>For 70% Fluoropolymer Finish (Duranar), Add</i>	24.48	
<i>For Clear Anodized Finish, Add</i>	20.40	
<i>For Color Anodized Finish, Add</i>	28.56	
08 51 13 00-0020 EA >10 To 15 SF, 3-1/4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9700)	611.38	97.66
<i>For Installation In Concrete Or Masonry, Add</i>	43.77	
<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	8.97	
<i>For 70% Fluoropolymer Finish (Duranar), Add</i>	26.92	
<i>For Clear Anodized Finish, Add</i>	22.43	
<i>For Color Anodized Finish, Add</i>	31.40	
08 51 13 00-0021 EA >15 To 20 SF, 3-1/4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9700)	659.66	103.09
<i>For Installation In Concrete Or Masonry, Add</i>	46.56	
<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	9.76	
<i>For 70% Fluoropolymer Finish (Duranar), Add</i>	29.27	
<i>For Clear Anodized Finish, Add</i>	24.39	
<i>For Color Anodized Finish, Add</i>	34.15	
08 51 13 00-0022 EA >20 To 30 SF, 3-1/4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9700)	777.25	108.51
<i>For Installation In Concrete Or Masonry, Add</i>	51.08	
<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	11.93	
<i>For 70% Fluoropolymer Finish (Duranar), Add</i>	35.78	
<i>For Clear Anodized Finish, Add</i>	29.82	
<i>For Color Anodized Finish, Add</i>	41.75	
08 51 13 00-0023 SF >30 SF, 3-1/4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9700)	25.30	3.26
<i>For Installation In Concrete Or Masonry, Add</i>	1.58	
<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	0.40	
<i>For 70% Fluoropolymer Finish (Duranar), Add</i>	1.19	
<i>For Clear Anodized Finish, Add</i>	0.99	
<i>For Color Anodized Finish, Add</i>	1.39	
08 51 13 00-0024 4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9700) <small>(08 51 13 00-0002)</small>		
08 51 13 00-0025 EA Up To 6 SF, 4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9700)	546.21	86.81
<i>For Installation In Concrete Or Masonry, Add</i>	38.97	
<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	8.03	
<i>For 70% Fluoropolymer Finish (Duranar), Add</i>	24.09	
<i>For Clear Anodized Finish, Add</i>	20.08	
<i>For Color Anodized Finish, Add</i>	28.11	
08 51 13 00-0026 EA >6 To 10 SF, 4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9700)	623.26	92.23
<i>For Installation In Concrete Or Masonry, Add</i>	42.48	
<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	9.39	
<i>For 70% Fluoropolymer Finish (Duranar), Add</i>	28.17	
<i>For Clear Anodized Finish, Add</i>	23.48	
<i>For Color Anodized Finish, Add</i>	32.87	
08 51 13 00-0027 EA >10 To 15 SF, 4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9700)	674.16	97.66
<i>For Installation In Concrete Or Masonry, Add</i>	45.34	
<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	10.23	
<i>For 70% Fluoropolymer Finish (Duranar), Add</i>	30.68	
<i>For Clear Anodized Finish, Add</i>	25.57	
<i>For Color Anodized Finish, Add</i>	35.80	
08 51 13 00-0028 EA >15 To 20 SF, 4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9700)	722.44	103.09
<i>For Installation In Concrete Or Masonry, Add</i>	48.13	
<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	11.01	
<i>For 70% Fluoropolymer Finish (Duranar), Add</i>	33.04	
<i>For Clear Anodized Finish, Add</i>	27.53	
<i>For Color Anodized Finish, Add</i>	38.54	

08 Openings**08 50 Windows****08 51 Metal Windows**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 51 13 00-0029 EA >20 To 30 SF, 4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9700)	830.88	108.51
For Installation In Concrete Or Masonry, Add	52.42	
For 50% Fluoropolymer Finish (Acrynar), Add	13.00	
For 70% Fluoropolymer Finish (Durandar), Add	39.00	
For Clear Anodized Finish, Add	32.50	
For Color Anodized Finish, Add	45.50	
08 51 13 00-0030 SF >30 SF, 4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9700).....	27.09	3.26
For Installation In Concrete Or Masonry, Add	1.63	
For 50% Fluoropolymer Finish (Acrynar), Add	0.43	
For 70% Fluoropolymer Finish (Durandar), Add	1.30	
For Clear Anodized Finish, Add	1.08	
For Color Anodized Finish, Add	1.52	
08 51 13 00-0031 Double Hung Aluminum Windows (08 51 13 00-0001)		
08 51 13 00-0032 3-1/4" Frame Depth, C 45, Tilt In Sash, Double Hung Aluminum Window (Traco TR-5000) (08 51 13 00-0031)		
08 51 13 00-0033 EA Up To 6 SF, 3-1/4" Frame Depth, C 45, Tilt In Sash, Double Hung Aluminum Window (Traco TR-5000)	374.87	86.81
For Installation In Concrete Or Masonry, Add	34.69	
For 50% Fluoropolymer Finish (Acrynar), Add	4.60	
For 70% Fluoropolymer Finish (Durandar), Add	13.81	
For Clear Anodized Finish, Add	11.51	
For Color Anodized Finish, Add	16.11	
08 51 13 00-0034 EA >6 To 10 SF, 3-1/4" Frame Depth, C 45, Tilt In Sash, Double Hung Aluminum Window (Traco TR-5000).....	412.68	92.23
For Installation In Concrete Or Masonry, Add	37.22	
For 50% Fluoropolymer Finish (Acrynar), Add	5.18	
For 70% Fluoropolymer Finish (Durandar), Add	15.54	
For Clear Anodized Finish, Add	12.95	
For Color Anodized Finish, Add	18.13	
08 51 13 00-0035 EA >10 To 15 SF, 3-1/4" Frame Depth, C 45, Tilt In Sash, Double Hung Aluminum Window (Traco TR-5000).....	445.28	97.66
For Installation In Concrete Or Masonry, Add	39.62	
For 50% Fluoropolymer Finish (Acrynar), Add	5.65	
For 70% Fluoropolymer Finish (Durandar), Add	16.95	
For Clear Anodized Finish, Add	14.13	
For Color Anodized Finish, Add	19.78	
08 51 13 00-0036 EA >15 To 20 SF, 3-1/4" Frame Depth, C 45, Tilt In Sash, Double Hung Aluminum Window (Traco TR-5000).....	479.17	103.09
For Installation In Concrete Or Masonry, Add	42.05	
For 50% Fluoropolymer Finish (Acrynar), Add	6.15	
For 70% Fluoropolymer Finish (Durandar), Add	18.44	
For Clear Anodized Finish, Add	15.37	
For Color Anodized Finish, Add	21.52	
08 51 13 00-0037 EA >20 To 30 SF, 3-1/4" Frame Depth, C 45, Tilt In Sash, Double Hung Aluminum Window (Traco TR-5000).....	552.29	108.51
For Installation In Concrete Or Masonry, Add	45.46	
For 50% Fluoropolymer Finish (Acrynar), Add	7.43	
For 70% Fluoropolymer Finish (Durandar), Add	22.29	
For Clear Anodized Finish, Add	18.57	
For Color Anodized Finish, Add	26.00	
08 51 13 00-0038 SF >30 SF, 3-1/4" Frame Depth, C 45, Tilt In Sash, Double Hung Aluminum Window (Traco TR-5000).....	17.81	3.26
For Installation In Concrete Or Masonry, Add	1.39	
For 50% Fluoropolymer Finish (Acrynar), Add	0.25	
For 70% Fluoropolymer Finish (Durandar), Add	0.74	
For Clear Anodized Finish, Add	0.62	
For Color Anodized Finish, Add	0.87	
08 51 13 00-0039 4" Frame Depth, HC 45, Tilt In Sash, Double Hung Aluminum Window (Traco TR-9000) (08 51 13 00-0031)		
08 51 13 00-0040 EA Up To 6 SF, 4" Frame Depth, HC 45, Tilt In Sash, Double Hung Aluminum Window (Traco TR-9000).....	449.42	86.81
For Installation In Concrete Or Masonry, Add	36.55	
For 50% Fluoropolymer Finish (Acrynar), Add	6.09	
For 70% Fluoropolymer Finish (Durandar), Add	18.28	
For Clear Anodized Finish, Add	15.24	
For Color Anodized Finish, Add	21.33	
08 51 13 00-0041 EA >6 To 10 SF, 4" Frame Depth, HC 45, Tilt In Sash, Double Hung Aluminum Window (Traco TR-9000)	516.01	92.23
For Installation In Concrete Or Masonry, Add	39.80	
For 50% Fluoropolymer Finish (Acrynar), Add	7.25	
For 70% Fluoropolymer Finish (Durandar), Add	21.74	
For Clear Anodized Finish, Add	18.11	
For Color Anodized Finish, Add	25.36	
08 51 13 00-0042 EA >10 To 15 SF, 4" Frame Depth, HC 45, Tilt In Sash, Double Hung Aluminum Window (Traco TR-9000)	570.83	97.66
For Installation In Concrete Or Masonry, Add	42.76	
For 50% Fluoropolymer Finish (Acrynar), Add	8.16	
For 70% Fluoropolymer Finish (Durandar), Add	24.48	
For Clear Anodized Finish, Add	20.40	
For Color Anodized Finish, Add	28.56	
08 51 13 00-0043 EA >15 To 20 SF, 4" Frame Depth, HC 45, Tilt In Sash, Double Hung Aluminum Window (Traco TR-9000)	632.19	103.09
For Installation In Concrete Or Masonry, Add	45.87	
For 50% Fluoropolymer Finish (Acrynar), Add	9.21	
For 70% Fluoropolymer Finish (Durandar), Add	27.62	
For Clear Anodized Finish, Add	23.02	
For Color Anodized Finish, Add	32.23	



Openings	08	08
Windows	08 50	
Metal Windows	08 51	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 51 13 00-0044	EA		>20 To 30 SF, 4" Frame Depth, HC 45, Tilt In Sash, Double Hung Aluminum Window (Traco TR-9000).....	741.94	108.51
			<i>For Installation In Concrete Or Masonry, Add</i>	50.20	
			<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	11.22	
			<i>For 70% Fluoropolymer Finish (Duranar), Add</i>	33.67	
			<i>For Clear Anodized Finish, Add</i>	28.05	
			<i>For Color Anodized Finish, Add</i>	39.28	
08 51 13 00-0045	SF		>30 SF, 4" Frame Depth, HC 45, Tilt In Sash, Double Hung Aluminum Window (Traco TR-9000).....	24.12	3.26
			<i>For Installation In Concrete Or Masonry, Add</i>	1.55	
			<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	0.37	
			<i>For 70% Fluoropolymer Finish (Duranar), Add</i>	1.12	
			<i>For Clear Anodized Finish, Add</i>	0.94	
			<i>For Color Anodized Finish, Add</i>	1.31	
08 51 13 00-0046			4" Frame Depth, HC 50, Side Loading Sash, Double Hung Aluminum Window (Traco TR-9400) <small>(08 51 13 00-0031)</small>		
08 51 13 00-0047	EA		Up To 6 SF, 4" Frame Depth, HC 50, Side Loading Sash, Double Hung Aluminum Window (Traco TR-9400)	552.74	86.81
			<i>For Installation In Concrete Or Masonry, Add</i>	39.14	
			<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	8.16	
			<i>For 70% Fluoropolymer Finish (Duranar), Add</i>	24.48	
			<i>For Clear Anodized Finish, Add</i>	20.40	
			<i>For Color Anodized Finish, Add</i>	28.56	
08 51 13 00-0048	EA		>6 To 10 SF, 4" Frame Depth, HC 50, Side Loading Sash, Double Hung Aluminum Window (Traco TR-9400).....	629.80	92.23
			<i>For Installation In Concrete Or Masonry, Add</i>	42.65	
			<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	9.52	
			<i>For 70% Fluoropolymer Finish (Duranar), Add</i>	28.56	
			<i>For Clear Anodized Finish, Add</i>	23.80	
			<i>For Color Anodized Finish, Add</i>	33.33	
08 51 13 00-0049	EA		>10 To 15 SF, 4" Frame Depth, HC 50, Side Loading Sash, Double Hung Aluminum Window (Traco TR-9400).....	695.09	97.66
			<i>For Installation In Concrete Or Masonry, Add</i>	45.86	
			<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	10.65	
			<i>For 70% Fluoropolymer Finish (Duranar), Add</i>	31.94	
			<i>For Clear Anodized Finish, Add</i>	26.62	
			<i>For Color Anodized Finish, Add</i>	37.26	
08 51 13 00-0050	EA		>15 To 20 SF, 4" Frame Depth, HC 50, Side Loading Sash, Double Hung Aluminum Window (Traco TR-9400).....	759.06	103.09
			<i>For Installation In Concrete Or Masonry, Add</i>	49.04	
			<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	11.75	
			<i>For 70% Fluoropolymer Finish (Duranar), Add</i>	35.24	
			<i>For Clear Anodized Finish, Add</i>	29.36	
			<i>For Color Anodized Finish, Add</i>	41.11	
08 51 13 00-0051	EA		>20 To 30 SF, 4" Frame Depth, HC 50, Side Loading Sash, Double Hung Aluminum Window (Traco TR-9400).....	908.04	108.51
			<i>For Installation In Concrete Or Masonry, Add</i>	54.35	
			<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	14.54	
			<i>For 70% Fluoropolymer Finish (Duranar), Add</i>	43.63	
			<i>For Clear Anodized Finish, Add</i>	36.36	
			<i>For Color Anodized Finish, Add</i>	50.90	
08 51 13 00-0052	SF		>30 SF, 4" Frame Depth, HC 50, Side Loading Sash, Double Hung Aluminum Window (Traco TR-9400)	29.66	3.26
			<i>For Installation In Concrete Or Masonry, Add</i>	1.69	
			<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	0.48	
			<i>For 70% Fluoropolymer Finish (Duranar), Add</i>	1.45	
			<i>For Clear Anodized Finish, Add</i>	1.21	
			<i>For Color Anodized Finish, Add</i>	1.70	
08 51 13 00-0053			4-1/2" Frame Depth, HC 65, Side Loading Sash, Double Hung Aluminum Window (Traco TR-9900) <small>(08 51 13 00-0031)</small>		
08 51 13 00-0054	EA		Up To 10 SF, 4-1/2" Frame Depth, HC 65, Side Loading Sash, Double Hung Aluminum Window (Traco TR-9900)	837.75	92.23
			<i>For Installation In Concrete Or Masonry, Add</i>	47.84	
			<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	13.68	
			<i>For 70% Fluoropolymer Finish (Duranar), Add</i>	41.04	
			<i>For Clear Anodized Finish, Add</i>	34.20	
			<i>For Color Anodized Finish, Add</i>	47.88	
08 51 13 00-0055	EA		>10 To 15 SF, 4-1/2" Frame Depth, HC 65, Side Loading Sash, Double Hung Aluminum Window (Traco TR-9900).....	916.12	97.66
			<i>For Installation In Concrete Or Masonry, Add</i>	51.39	
			<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	15.07	
			<i>For 70% Fluoropolymer Finish (Duranar), Add</i>	45.20	
			<i>For Clear Anodized Finish, Add</i>	37.67	
			<i>For Color Anodized Finish, Add</i>	52.73	
08 51 13 00-0056	EA		>15 To 20 SF, 4-1/2" Frame Depth, HC 65, Side Loading Sash, Double Hung Aluminum Window (Traco TR-9900).....	1,007.56	103.09
			<i>For Installation In Concrete Or Masonry, Add</i>	55.26	
			<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	16.72	
			<i>For 70% Fluoropolymer Finish (Duranar), Add</i>	50.15	
			<i>For Clear Anodized Finish, Add</i>	41.79	
			<i>For Color Anodized Finish, Add</i>	58.50	
08 51 13 00-0057	EA		>20 To 30 SF, 4-1/2" Frame Depth, HC 65, Side Loading Sash, Double Hung Aluminum Window (Traco TR-9900).....	1,159.16	108.51
			<i>For Installation In Concrete Or Masonry, Add</i>	60.63	
			<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	19.57	
			<i>For 70% Fluoropolymer Finish (Duranar), Add</i>	58.70	
			<i>For Clear Anodized Finish, Add</i>	48.92	
			<i>For Color Anodized Finish, Add</i>	68.48	

08 Openings

08 50 Windows

08 51 Metal Windows



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 51 13 00-0058	SF		>30 SF, 4-1/2" Frame Depth, HC 65, Side Loading Sash, Double Hung Aluminum Window (Traco TR-9900).....	37.99	3.26
			<i>For Installation In Concrete Or Masonry, Add</i>	1.90	
			<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	0.65	
			<i>For 70% Fluoropolymer Finish (Durantar), Add</i>	1.95	
			<i>For Clear Anodized Finish, Add</i>	1.63	
			<i>For Color Anodized Finish, Add</i>	2.28	
08 51 13 00-0059			5-1/4" Frame Depth, HC 80, Side Loading Sash, Double Hung Aluminum Window (Traco TR-9600) <small>(08 51 13 00-0031)</small>		
08 51 13 00-0060	EA		Up To 10 SF, 5-1/4" Frame Depth, HC 80, Side Loading Sash, Double Hung Aluminum Window (Traco TR-9600).....	1,133.34	92.23
			<i>For Installation In Concrete Or Masonry, Add</i>	55.23	
			<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	19.59	
			<i>For 70% Fluoropolymer Finish (Durantar), Add</i>	58.78	
			<i>For Clear Anodized Finish, Add</i>	48.98	
			<i>For Color Anodized Finish, Add</i>	68.57	
08 51 13 00-0061	EA		>10 To 15 SF, 5-1/4" Frame Depth, HC 80, Side Loading Sash, Double Hung Aluminum Window (Traco TR-9600).....	1,220.86	97.66
			<i>For Installation In Concrete Or Masonry, Add</i>	59.01	
			<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	21.16	
			<i>For 70% Fluoropolymer Finish (Durantar), Add</i>	63.49	
			<i>For Clear Anodized Finish, Add</i>	52.90	
			<i>For Color Anodized Finish, Add</i>	74.07	
08 51 13 00-0062	EA		>15 To 20 SF, 5-1/4" Frame Depth, HC 80, Side Loading Sash, Double Hung Aluminum Window (Traco TR-9600).....	1,320.15	103.09
			<i>For Installation In Concrete Or Masonry, Add</i>	63.07	
			<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	22.97	
			<i>For 70% Fluoropolymer Finish (Durantar), Add</i>	68.90	
			<i>For Clear Anodized Finish, Add</i>	57.42	
			<i>For Color Anodized Finish, Add</i>	80.38	
08 51 13 00-0063	EA		>20 To 30 SF, 5-1/4" Frame Depth, HC 80, Side Loading Sash, Double Hung Aluminum Window (Traco TR-9600).....	1,490.06	108.51
			<i>For Installation In Concrete Or Masonry, Add</i>	68.90	
			<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	26.18	
			<i>For 70% Fluoropolymer Finish (Durantar), Add</i>	78.55	
			<i>For Clear Anodized Finish, Add</i>	65.46	
			<i>For Color Anodized Finish, Add</i>	91.64	
08 51 13 00-0064	SF		>30 SF, 5-1/4" Frame Depth, HC 80, Side Loading Sash, Double Hung Aluminum Window (Traco TR-9600).....	49.10	3.26
			<i>For Installation In Concrete Or Masonry, Add</i>	2.18	
			<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	0.87	
			<i>For 70% Fluoropolymer Finish (Durantar), Add</i>	2.62	
			<i>For Clear Anodized Finish, Add</i>	2.18	
			<i>For Color Anodized Finish, Add</i>	3.06	
08 51 13 00-0065			Horizontal Sliding Aluminum Windows <small>(08 51 13 00-0001)</small>		
08 51 13 00-0066			One Rolling Sash And One Stationary Sash, Horizontal Sliding Aluminum Windows <small>(08 51 13 00-0065)</small>		
08 51 13 00-0067			2-3/4" Frame Depth, C 40, One Rolling Sash And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6400) <small>(08 51 13 00-0066)</small>		
08 51 13 00-0068	EA		Up To 6 SF, 2-3/4" Frame Depth, C 40, One Rolling Sash And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6400).....	346.10	86.81
			<i>For Installation In Concrete Or Masonry, Add</i>	33.97	
			<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	4.03	
			<i>For 70% Fluoropolymer Finish (Durantar), Add</i>	12.09	
			<i>For Clear Anodized Finish, Add</i>	10.07	
			<i>For Color Anodized Finish, Add</i>	14.10	
08 51 13 00-0069	EA		>6 To 10 SF, 2-3/4" Frame Depth, C 40, One Rolling Sash And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6400).....	386.53	92.23
			<i>For Installation In Concrete Or Masonry, Add</i>	36.56	
			<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	4.66	
			<i>For 70% Fluoropolymer Finish (Durantar), Add</i>	13.97	
			<i>For Clear Anodized Finish, Add</i>	11.64	
			<i>For Color Anodized Finish, Add</i>	16.30	
08 51 13 00-0070	EA		>10 To 15 SF, 2-3/4" Frame Depth, C 40, One Rolling Sash And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6400).....	417.81	97.66
			<i>For Installation In Concrete Or Masonry, Add</i>	38.93	
			<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	5.10	
			<i>For 70% Fluoropolymer Finish (Durantar), Add</i>	15.30	
			<i>For Clear Anodized Finish, Add</i>	12.75	
			<i>For Color Anodized Finish, Add</i>	17.85	
08 51 13 00-0071	EA		>15 To 20 SF, 2-3/4" Frame Depth, C 40, One Rolling Sash And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6400).....	450.39	103.09
			<i>For Installation In Concrete Or Masonry, Add</i>	41.33	
			<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	5.57	
			<i>For 70% Fluoropolymer Finish (Durantar), Add</i>	16.71	
			<i>For Clear Anodized Finish, Add</i>	13.93	
			<i>For Color Anodized Finish, Add</i>	19.50	
08 51 13 00-0072	EA		>20 To 30 SF, 2-3/4" Frame Depth, C 40, One Rolling Sash And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6400).....	513.06	108.51
			<i>For Installation In Concrete Or Masonry, Add</i>	44.48	
			<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	6.64	
			<i>For 70% Fluoropolymer Finish (Durantar), Add</i>	19.93	
			<i>For Clear Anodized Finish, Add</i>	16.61	
			<i>For Color Anodized Finish, Add</i>	23.25	



Openings	08	08
Windows	08 50	
Metal Windows	08 51	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 51 13 00-0073 SF >30 SF, 2-3/4" Frame Depth, C 40, One Rolling Sash And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6400)	16.50	3.26
For Installation In Concrete Or Masonry, Add	1.36	
For 50% Fluoropolymer Finish (Acrynar), Add	0.22	
For 70% Fluoropolymer Finish (Duranar), Add	0.66	
For Clear Anodized Finish, Add	0.55	
For Color Anodized Finish, Add	0.78	
08 51 13 00-0074 3-1/4" Frame Depth, HC 60, One Rolling Sash And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6800) (08 51 13 00-0066)		
08 51 13 00-0075 EA Up To 6 SF, 3-1/4" Frame Depth, HC 60, One Rolling Sash And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6800)	512.20	86.81
For Installation In Concrete Or Masonry, Add	38.12	
For 50% Fluoropolymer Finish (Acrynar), Add	7.35	
For 70% Fluoropolymer Finish (Duranar), Add	22.05	
For Clear Anodized Finish, Add	18.38	
For Color Anodized Finish, Add	25.73	
08 51 13 00-0076 EA >6 To 10 SF, 3-1/4" Frame Depth, HC 60, One Rolling Sash And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6800)	573.56	92.23
For Installation In Concrete Or Masonry, Add	41.24	
For 50% Fluoropolymer Finish (Acrynar), Add	8.40	
For 70% Fluoropolymer Finish (Duranar), Add	25.19	
For Clear Anodized Finish, Add	20.99	
For Color Anodized Finish, Add	29.39	
08 51 13 00-0077 EA >10 To 15 SF, 3-1/4" Frame Depth, HC 60, One Rolling Sash And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6800)	623.15	97.66
For Installation In Concrete Or Masonry, Add	44.06	
For 50% Fluoropolymer Finish (Acrynar), Add	9.21	
For 70% Fluoropolymer Finish (Duranar), Add	27.62	
For Clear Anodized Finish, Add	23.02	
For Color Anodized Finish, Add	32.23	
08 51 13 00-0078 EA >15 To 20 SF, 3-1/4" Frame Depth, HC 60, One Rolling Sash And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6800)	671.43	103.09
For Installation In Concrete Or Masonry, Add	46.85	
For 50% Fluoropolymer Finish (Acrynar), Add	9.99	
For 70% Fluoropolymer Finish (Duranar), Add	29.98	
For Clear Anodized Finish, Add	24.98	
For Color Anodized Finish, Add	34.97	
08 51 13 00-0079 EA >20 To 30 SF, 3-1/4" Frame Depth, HC 60, One Rolling Sash And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6800)	772.02	108.51
For Installation In Concrete Or Masonry, Add	50.95	
For 50% Fluoropolymer Finish (Acrynar), Add	11.82	
For 70% Fluoropolymer Finish (Duranar), Add	35.47	
For Clear Anodized Finish, Add	29.56	
For Color Anodized Finish, Add	41.38	
08 51 13 00-0080 SF >30 SF, 3-1/4" Frame Depth, HC 60, One Rolling Sash And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6800)	25.13	3.26
For Installation In Concrete Or Masonry, Add	1.58	
For 50% Fluoropolymer Finish (Acrynar), Add	0.39	
For 70% Fluoropolymer Finish (Duranar), Add	1.18	
For Clear Anodized Finish, Add	0.99	
For Color Anodized Finish, Add	1.38	
08 51 13 00-0081 Two Rolling Sashes, Horizontal Sliding Aluminum Windows (08 51 13 00-0065)		
08 51 13 00-0082 3-1/4" Frame Depth, C 45, Two Rolling Sashes, Horizontal Sliding Aluminum Window (Traco TR-6000) (08 51 13 00-0081)		
08 51 13 00-0083 EA Up To 6 SF, 3-1/4" Frame Depth, C 45, Two Rolling Sashes, Horizontal Sliding Aluminum Window (Traco TR-6000)	380.10	86.81
For Installation In Concrete Or Masonry, Add	34.82	
For 50% Fluoropolymer Finish (Acrynar), Add	4.71	
For 70% Fluoropolymer Finish (Duranar), Add	14.13	
For Clear Anodized Finish, Add	11.77	
For Color Anodized Finish, Add	16.48	
08 51 13 00-0084 EA >6 To 10 SF, 3-1/4" Frame Depth, C 45, Two Rolling Sashes, Horizontal Sliding Aluminum Window (Traco TR-6000)	430.99	92.23
For Installation In Concrete Or Masonry, Add	37.68	
For 50% Fluoropolymer Finish (Acrynar), Add	5.55	
For 70% Fluoropolymer Finish (Duranar), Add	16.64	
For Clear Anodized Finish, Add	13.86	
For Color Anodized Finish, Add	19.41	
08 51 13 00-0085 EA >10 To 15 SF, 3-1/4" Frame Depth, C 45, Two Rolling Sashes, Horizontal Sliding Aluminum Window (Traco TR-6000)	466.20	97.66
For Installation In Concrete Or Masonry, Add	40.14	
For 50% Fluoropolymer Finish (Acrynar), Add	6.07	
For 70% Fluoropolymer Finish (Duranar), Add	18.21	
For Clear Anodized Finish, Add	15.17	
For Color Anodized Finish, Add	21.24	

08 Openings**08 50 Windows****08 51 Metal Windows**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 51 13 00-0086	EA		>15 To 20 SF, 3-1/4" Frame Depth, C 45, Two Rolling Sashes, Horizontal Sliding Aluminum Window (Traco TR-6000).....	496.17	103.09
			<i>For Installation In Concrete Or Masonry, Add</i>	42.47	
			<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	6.49	
			<i>For 70% Fluoropolymer Finish (Durandar), Add</i>	19.46	
			<i>For Clear Anodized Finish, Add</i>	16.22	
			<i>For Color Anodized Finish, Add</i>	22.71	
08 51 13 00-0087	EA		>20 To 30 SF, 3-1/4" Frame Depth, C 45, Two Rolling Sashes, Horizontal Sliding Aluminum Window (Traco TR-6000).....	566.68	108.51
			<i>For Installation In Concrete Or Masonry, Add</i>	45.82	
			<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	7.72	
			<i>For 70% Fluoropolymer Finish (Durandar), Add</i>	23.15	
			<i>For Clear Anodized Finish, Add</i>	19.29	
			<i>For Color Anodized Finish, Add</i>	27.01	
08 51 13 00-0088	SF		>30 SF, 3-1/4" Frame Depth, C 45, Two Rolling Sashes, Horizontal Sliding Aluminum Window (Traco TR-6000).....	18.28	3.26
			<i>For Installation In Concrete Or Masonry, Add</i>	1.41	
			<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	0.26	
			<i>For 70% Fluoropolymer Finish (Durandar), Add</i>	0.77	
			<i>For Clear Anodized Finish, Add</i>	0.64	
			<i>For Color Anodized Finish, Add</i>	0.90	
08 51 13 00-0089			Two Rolling Sashes And One Stationary Sash, Horizontal Sliding Aluminum Windows (08 51 13 00-0085)		
08 51 13 00-0090			4" Frame Depth, HC 65, Two Rolling Sashes And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6330) (08 51 13 00-0089)		
08 51 13 00-0091	EA		Up To 12 SF, 4" Frame Depth, HC 65, Two Rolling Sashes And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6330).....	875.80	86.81
			<i>For Installation In Concrete Or Masonry, Add</i>	47.21	
			<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	14.62	
			<i>For 70% Fluoropolymer Finish (Durandar), Add</i>	43.87	
			<i>For Clear Anodized Finish, Add</i>	36.56	
			<i>For Color Anodized Finish, Add</i>	51.18	
08 51 13 00-0092	EA		>12 To 18 SF, 4" Frame Depth, HC 65, Two Rolling Sashes And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6330).....	1,008.27	100.37
			<i>For Installation In Concrete Or Masonry, Add</i>	54.48	
			<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	16.82	
			<i>For 70% Fluoropolymer Finish (Durandar), Add</i>	50.46	
			<i>For Clear Anodized Finish, Add</i>	42.05	
			<i>For Color Anodized Finish, Add</i>	58.87	
08 51 13 00-0093	EA		>18 To 24 SF, 4" Frame Depth, HC 65, Two Rolling Sashes And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6330).....	1,087.95	105.80
			<i>For Installation In Concrete Or Masonry, Add</i>	58.06	
			<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	18.23	
			<i>For 70% Fluoropolymer Finish (Durandar), Add</i>	54.70	
			<i>For Clear Anodized Finish, Add</i>	45.58	
			<i>For Color Anodized Finish, Add</i>	63.81	
08 51 13 00-0094	EA		>24 To 40 SF, 4" Frame Depth, HC 65, Two Rolling Sashes And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6330).....	1,309.35	119.36
			<i>For Installation In Concrete Or Masonry, Add</i>	67.55	
			<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	22.21	
			<i>For 70% Fluoropolymer Finish (Durandar), Add</i>	66.62	
			<i>For Clear Anodized Finish, Add</i>	55.52	
			<i>For Color Anodized Finish, Add</i>	77.73	
08 51 13 00-0095	EA		>40 To 60 SF, 4" Frame Depth, HC 65, Two Rolling Sashes And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6330).....	1,510.43	135.64
			<i>For Installation In Concrete Or Masonry, Add</i>	77.32	
			<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	25.69	
			<i>For 70% Fluoropolymer Finish (Durandar), Add</i>	77.06	
			<i>For Clear Anodized Finish, Add</i>	64.22	
			<i>For Color Anodized Finish, Add</i>	89.91	
08 51 13 00-0096	SF		>60 SF, 4" Frame Depth, HC 65, Two Rolling Sashes And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6330).....	26.82	3.26
			<i>For Installation In Concrete Or Masonry, Add</i>	1.62	
			<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	0.43	
			<i>For 70% Fluoropolymer Finish (Durandar), Add</i>	1.28	
			<i>For Clear Anodized Finish, Add</i>	1.07	
			<i>For Color Anodized Finish, Add</i>	1.50	
08 51 13 00-0097			Fixed Aluminum Windows (08 51 13 00-0001)		
08 51 13 00-0098			2-1/4" Frame Depth, C 50, Fixed Aluminum Window (Traco NX-280) (08 51 13 00-0097)		
08 51 13 00-0099	EA		Up To 6 SF, 2-1/4" Frame Depth, C 50, Fixed Aluminum Window (Traco NX-280).....	284.63	86.81
			<i>For Installation In Concrete Or Masonry, Add</i>	32.43	
			<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	2.80	
			<i>For 70% Fluoropolymer Finish (Durandar), Add</i>	8.40	
			<i>For Clear Anodized Finish, Add</i>	7.00	
			<i>For Color Anodized Finish, Add</i>	9.80	



Openings	08	08
Windows	08 50	
Metal Windows	08 51	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 51	13 00-0100	EA	>6 To 10 SF, 2-1/4" Frame Depth, C 50, Fixed Aluminum Window (Traco NX-280) <i>For Installation In Concrete Or Masonry, Add</i> <i>For 50% Fluoropolymer Finish (Acrynar), Add</i> <i>For 70% Fluoropolymer Finish (Duranar), Add</i> <i>For Clear Anodized Finish, Add</i> <i>For Color Anodized Finish, Add</i>	319.82 34.90 3.32 9.97 8.31 11.63	92.23
08 51	13 00-0101	EA	>10 To 15 SF, 2-1/4" Frame Depth, C 50, Fixed Aluminum Window (Traco NX-280) <i>For Installation In Concrete Or Masonry, Add</i> <i>For 50% Fluoropolymer Finish (Acrynar), Add</i> <i>For 70% Fluoropolymer Finish (Duranar), Add</i> <i>For Clear Anodized Finish, Add</i> <i>For Color Anodized Finish, Add</i>	338.03 36.94 3.51 10.52 8.76 12.27	97.66
08 51	13 00-0102	EA	>15 To 20 SF, 2-1/4" Frame Depth, C 50, Fixed Aluminum Window (Traco NX-280) <i>For Installation In Concrete Or Masonry, Add</i> <i>For 50% Fluoropolymer Finish (Acrynar), Add</i> <i>For 70% Fluoropolymer Finish (Duranar), Add</i> <i>For Clear Anodized Finish, Add</i> <i>For Color Anodized Finish, Add</i>	356.22 38.97 3.69 11.06 9.22 12.91	103.09
08 51	13 00-0103	EA	>20 To 30 SF, 2-1/4" Frame Depth, C 50, Fixed Aluminum Window (Traco NX-280) <i>For Installation In Concrete Or Masonry, Add</i> <i>For 50% Fluoropolymer Finish (Acrynar), Add</i> <i>For 70% Fluoropolymer Finish (Duranar), Add</i> <i>For Clear Anodized Finish, Add</i> <i>For Color Anodized Finish, Add</i>	450.28 42.91 5.39 16.17 13.47 18.86	108.51
08 51	13 00-0104	SF	>30 SF, 2-1/4" Frame Depth, C 50, Fixed Aluminum Window (Traco NX-280) <i>For Installation In Concrete Or Masonry, Add</i> <i>For 50% Fluoropolymer Finish (Acrynar), Add</i> <i>For 70% Fluoropolymer Finish (Duranar), Add</i> <i>For Clear Anodized Finish, Add</i> <i>For Color Anodized Finish, Add</i>	14.41 1.31 0.18 0.54 0.45 0.63	3.26
08 51 13 00-0105 2-1/4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-2800) (08 51 13					
<small>00-0097)</small>					
08 51	13 00-0106	EA	Up To 6 SF, 2-1/4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-2800) <i>For Installation In Concrete Or Masonry, Add</i> <i>For 50% Fluoropolymer Finish (Acrynar), Add</i> <i>For 70% Fluoropolymer Finish (Duranar), Add</i> <i>For Clear Anodized Finish, Add</i> <i>For Color Anodized Finish, Add</i>	342.17 33.87 3.95 11.85 9.87 13.82	86.81
08 51	13 00-0107	EA	>6 To 10 SF, 2-1/4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-2800) <i>For Installation In Concrete Or Masonry, Add</i> <i>For 50% Fluoropolymer Finish (Acrynar), Add</i> <i>For 70% Fluoropolymer Finish (Duranar), Add</i> <i>For Clear Anodized Finish, Add</i> <i>For Color Anodized Finish, Add</i>	386.53 36.56 4.66 13.97 11.64 16.30	92.23
08 51	13 00-0108	EA	>10 To 15 SF, 2-1/4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-2800) <i>For Installation In Concrete Or Masonry, Add</i> <i>For 50% Fluoropolymer Finish (Acrynar), Add</i> <i>For 70% Fluoropolymer Finish (Duranar), Add</i> <i>For Clear Anodized Finish, Add</i> <i>For Color Anodized Finish, Add</i>	415.19 38.86 5.05 15.15 12.62 17.67	97.66
08 51	13 00-0109	EA	>15 To 20 SF, 2-1/4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-2800) <i>For Installation In Concrete Or Masonry, Add</i> <i>For 50% Fluoropolymer Finish (Acrynar), Add</i> <i>For 70% Fluoropolymer Finish (Duranar), Add</i> <i>For Clear Anodized Finish, Add</i> <i>For Color Anodized Finish, Add</i>	445.16 41.20 5.47 16.40 13.67 19.13	103.09
08 51	13 00-0110	EA	>20 To 30 SF, 2-1/4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-2800) <i>For Installation In Concrete Or Masonry, Add</i> <i>For 50% Fluoropolymer Finish (Acrynar), Add</i> <i>For 70% Fluoropolymer Finish (Duranar), Add</i> <i>For Clear Anodized Finish, Add</i> <i>For Color Anodized Finish, Add</i>	566.68 45.82 7.72 23.15 19.29 27.01	108.51
08 51	13 00-0111	SF	>30 SF, 2-1/4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-2800) <i>For Installation In Concrete Or Masonry, Add</i> <i>For 50% Fluoropolymer Finish (Acrynar), Add</i> <i>For 70% Fluoropolymer Finish (Duranar), Add</i> <i>For Clear Anodized Finish, Add</i> <i>For Color Anodized Finish, Add</i>	18.28 1.41 0.26 0.77 0.64 0.90	3.26
08 51 13 00-0112 3-1/4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-7900) (08 51 13					
<small>00-0097)</small>					
08 51	13 00-0113	EA	Up To 6 SF, 3-1/4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-7900) <i>For Installation In Concrete Or Masonry, Add</i> <i>For 50% Fluoropolymer Finish (Acrynar), Add</i> <i>For 70% Fluoropolymer Finish (Duranar), Add</i> <i>For Clear Anodized Finish, Add</i> <i>For Color Anodized Finish, Add</i>	302.94 32.89 3.17 9.50 7.91 11.08	86.81
08 51	13 00-0114	EA	>6 To 10 SF, 3-1/4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-7900) <i>For Installation In Concrete Or Masonry, Add</i> <i>For 50% Fluoropolymer Finish (Acrynar), Add</i> <i>For 70% Fluoropolymer Finish (Duranar), Add</i> <i>For Clear Anodized Finish, Add</i> <i>For Color Anodized Finish, Add</i>	347.29 35.58 3.87 11.61 9.68 13.55	92.23

08 Openings**08 50 Windows****08 51 Metal Windows**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 51 13 00-0115 EA >10 To 15 SF, 3-1/4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-7900).....	373.34	97.66
For Installation In Concrete Or Masonry, Add	37.82	
For 50% Fluoropolymer Finish (Acrynar), Add	4.21	
For 70% Fluoropolymer Finish (Duranar), Add	12.63	
For Clear Anodized Finish, Add	10.53	
For Color Anodized Finish, Add	14.74	
08 51 13 00-0116 EA >15 To 20 SF, 3-1/4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-7900).....	400.69	103.09
For Installation In Concrete Or Masonry, Add	40.08	
For 50% Fluoropolymer Finish (Acrynar), Add	4.58	
For 70% Fluoropolymer Finish (Duranar), Add	13.73	
For Clear Anodized Finish, Add	11.44	
For Color Anodized Finish, Add	16.02	
08 51 13 00-0117 EA >20 To 30 SF, 3-1/4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-7900).....	515.67	108.51
For Installation In Concrete Or Masonry, Add	44.54	
For 50% Fluoropolymer Finish (Acrynar), Add	6.70	
For 70% Fluoropolymer Finish (Duranar), Add	20.09	
For Clear Anodized Finish, Add	16.74	
For Color Anodized Finish, Add	23.44	
08 51 13 00-0118 SF >30 SF, 3-1/4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-7900).....	16.58	3.26
For Installation In Concrete Or Masonry, Add	1.36	
For 50% Fluoropolymer Finish (Acrynar), Add	0.22	
For 70% Fluoropolymer Finish (Duranar), Add	0.67	
For Clear Anodized Finish, Add	0.56	
For Color Anodized Finish, Add	0.78	
08 51 13 00-0119 4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-9500) (08 51 13 00-0097)		
08 51 13 00-0120 EA Up To 6 SF, 4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-9500).....	301.63	86.81
For Installation In Concrete Or Masonry, Add	32.86	
For 50% Fluoropolymer Finish (Acrynar), Add	3.14	
For 70% Fluoropolymer Finish (Duranar), Add	9.42	
For Clear Anodized Finish, Add	7.85	
For Color Anodized Finish, Add	10.99	
08 51 13 00-0121 EA >6 To 10 SF, 4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-9500).....	342.06	92.23
For Installation In Concrete Or Masonry, Add	35.45	
For 50% Fluoropolymer Finish (Acrynar), Add	3.77	
For 70% Fluoropolymer Finish (Duranar), Add	11.30	
For Clear Anodized Finish, Add	9.42	
For Color Anodized Finish, Add	13.18	
08 51 13 00-0122 EA >10 To 15 SF, 4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-9500).....	368.11	97.66
For Installation In Concrete Or Masonry, Add	37.69	
For 50% Fluoropolymer Finish (Acrynar), Add	4.11	
For 70% Fluoropolymer Finish (Duranar), Add	12.32	
For Clear Anodized Finish, Add	10.27	
For Color Anodized Finish, Add	14.37	
08 51 13 00-0123 EA >15 To 20 SF, 4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-9500).....	395.46	103.09
For Installation In Concrete Or Masonry, Add	39.95	
For 50% Fluoropolymer Finish (Acrynar), Add	4.47	
For 70% Fluoropolymer Finish (Duranar), Add	13.42	
For Clear Anodized Finish, Add	11.18	
For Color Anodized Finish, Add	15.66	
08 51 13 00-0124 EA >20 To 30 SF, 4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-9500).....	510.44	108.51
For Installation In Concrete Or Masonry, Add	44.41	
For 50% Fluoropolymer Finish (Acrynar), Add	6.59	
For 70% Fluoropolymer Finish (Duranar), Add	19.78	
For Clear Anodized Finish, Add	16.48	
For Color Anodized Finish, Add	23.07	
08 51 13 00-0125 SF >30 SF, 4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-9500).....	16.41	3.26
For Installation In Concrete Or Masonry, Add	1.36	
For 50% Fluoropolymer Finish (Acrynar), Add	0.22	
For 70% Fluoropolymer Finish (Duranar), Add	0.66	
For Clear Anodized Finish, Add	0.55	
For Color Anodized Finish, Add	0.77	
08 51 13 00-0126 Projected Aluminum Windows (08 51 13 00-0001)		
08 51 13 00-0127 Single Vent, Projected Aluminum Windows (08 51 13 00-0126)		
08 51 13 00-0128 2-1/4" Frame Depth, C 50, Overlap, Single Vent, Projected Aluminum Window (Traco NX-240/250) (08 51 13 00-0127)		
08 51 13 00-0129 EA Up To 6 SF, 2-1/4" Frame Depth, C 50, Overlap, Single Vent, Projected Aluminum Window (Traco NX-240/250).....	382.98	86.81
For Installation In Concrete Or Masonry, Add	34.89	
For 50% Fluoropolymer Finish (Acrynar), Add	4.77	
For 70% Fluoropolymer Finish (Duranar), Add	14.30	
For Clear Anodized Finish, Add	11.92	
For Color Anodized Finish, Add	16.68	
08 51 13 00-0130 EA >6 To 10 SF, 2-1/4" Frame Depth, C 50, Overlap, Single Vent, Projected Aluminum Window (Traco NX-240/250).....	413.86	92.23
For Installation In Concrete Or Masonry, Add	37.25	
For 50% Fluoropolymer Finish (Acrynar), Add	5.20	
For 70% Fluoropolymer Finish (Duranar), Add	15.61	
For Clear Anodized Finish, Add	13.01	
For Color Anodized Finish, Add	18.21	



Openings	08	08
Windows	08 50	
Metal Windows	08 51	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 51 13 00-0131 EA >10 To 15 SF, 2-1/4" Frame Depth, C 50, Overlap, Single Vent, Projected Aluminum Window (Traco NX-240/250)	449.20	97.66
For Installation In Concrete Or Masonry, Add	39.71	
For 50% Fluoropolymer Finish (Acrynar), Add	5.73	
For 70% Fluoropolymer Finish (Duranar), Add	17.19	
For Clear Anodized Finish, Add	14.32	
For Color Anodized Finish, Add	20.05	
08 51 13 00-0132 SF >15 SF, 2-1/4" Frame Depth, C 50, Overlap, Single Vent, Projected Aluminum Window (Traco NX-240/250)	24.52	3.26
For Installation In Concrete Or Masonry, Add	1.56	
For 50% Fluoropolymer Finish (Acrynar), Add	0.38	
For 70% Fluoropolymer Finish (Duranar), Add	1.15	
For Clear Anodized Finish, Add	0.96	
For Color Anodized Finish, Add	1.34	
08 51 13 00-0133 2-1/4" Frame Depth, HC 80, Flush, Single Vent, Projected Aluminum Window (Traco TR-2400/2500) (08 51 13 00-0127)		
08 51 13 00-0134 EA Up To 6 SF, 2-1/4" Frame Depth, HC 80, Flush, Single Vent, Projected Aluminum Window (Traco TR-2400/2500)	498.61	86.81
For Installation In Concrete Or Masonry, Add	37.78	
For 50% Fluoropolymer Finish (Acrynar), Add	7.08	
For 70% Fluoropolymer Finish (Duranar), Add	21.24	
For Clear Anodized Finish, Add	17.70	
For Color Anodized Finish, Add	24.78	
08 51 13 00-0135 EA >6 To 10 SF, 2-1/4" Frame Depth, HC 80, Flush, Single Vent, Projected Aluminum Window (Traco TR-2400/2500)	548.59	92.23
For Installation In Concrete Or Masonry, Add	40.62	
For 50% Fluoropolymer Finish (Acrynar), Add	7.90	
For 70% Fluoropolymer Finish (Duranar), Add	23.69	
For Clear Anodized Finish, Add	19.74	
For Color Anodized Finish, Add	27.64	
08 51 13 00-0136 EA >10 To 15 SF, 2-1/4" Frame Depth, HC 80, Flush, Single Vent, Projected Aluminum Window (Traco TR-2400/2500)	606.15	97.66
For Installation In Concrete Or Masonry, Add	43.64	
For 50% Fluoropolymer Finish (Acrynar), Add	8.87	
For 70% Fluoropolymer Finish (Duranar), Add	26.60	
For Clear Anodized Finish, Add	22.17	
For Color Anodized Finish, Add	31.04	
08 51 13 00-0137 SF >15 SF, 2-1/4" Frame Depth, HC 80, Flush, Single Vent, Projected Aluminum Window (Traco TR-2400/2500)	34.98	3.26
For Installation In Concrete Or Masonry, Add	1.82	
For 50% Fluoropolymer Finish (Acrynar), Add	0.59	
For 70% Fluoropolymer Finish (Duranar), Add	1.77	
For Clear Anodized Finish, Add	1.48	
For Color Anodized Finish, Add	2.07	
08 51 13 00-0138 3-1/4" Frame Depth, HC 80, Overlap, Single Vent, Projected Aluminum Window (Traco TR-3400/3500) (08 51 13 00-0127)		
08 51 13 00-0139 EA Up To 6 SF, 3-1/4" Frame Depth, HC 80, Overlap, Single Vent, Projected Aluminum Window (Traco TR-3400/3500)	541.98	86.81
For Installation In Concrete Or Masonry, Add	38.87	
For 50% Fluoropolymer Finish (Acrynar), Add	7.95	
For 70% Fluoropolymer Finish (Duranar), Add	23.84	
For Clear Anodized Finish, Add	19.87	
For Color Anodized Finish, Add	27.81	
08 51 13 00-0140 EA >6 To 10 SF, 3-1/4" Frame Depth, HC 80, Overlap, Single Vent, Projected Aluminum Window (Traco TR-3400/3500)	599.10	92.23
For Installation In Concrete Or Masonry, Add	41.88	
For 50% Fluoropolymer Finish (Acrynar), Add	8.91	
For 70% Fluoropolymer Finish (Duranar), Add	26.72	
For Clear Anodized Finish, Add	22.27	
For Color Anodized Finish, Add	31.18	
08 51 13 00-0141 EA >10 To 15 SF, 3-1/4" Frame Depth, HC 80, Overlap, Single Vent, Projected Aluminum Window (Traco TR-3400/3500)	665.00	97.66
For Installation In Concrete Or Masonry, Add	45.11	
For 50% Fluoropolymer Finish (Acrynar), Add	10.04	
For 70% Fluoropolymer Finish (Duranar), Add	30.13	
For Clear Anodized Finish, Add	25.11	
For Color Anodized Finish, Add	35.16	
08 51 13 00-0142 SF >15 SF, 3-1/4" Frame Depth, HC 80, Overlap, Single Vent, Projected Aluminum Window (Traco TR-3400/3500)	38.90	3.26
For Installation In Concrete Or Masonry, Add	1.92	
For 50% Fluoropolymer Finish (Acrynar), Add	0.67	
For 70% Fluoropolymer Finish (Duranar), Add	2.01	
For Clear Anodized Finish, Add	1.67	
For Color Anodized Finish, Add	2.34	
08 51 13 00-0143 3-1/4" Frame Depth, HC 50, Top Hinge, Overlap, Single Vent, Projected Aluminum Window (Traco TR-3600) (08 51 13 00-0127)		
08 51 13 00-0144 EA Up To 6 SF, 3-1/4" Frame Depth, HC 50, Top Hinge, Overlap, Single Vent, Projected Aluminum Window (Traco TR-3600)	571.85	86.81
For Installation In Concrete Or Masonry, Add	39.62	
For 50% Fluoropolymer Finish (Acrynar), Add	8.54	
For 70% Fluoropolymer Finish (Duranar), Add	25.63	
For Clear Anodized Finish, Add	21.36	
For Color Anodized Finish, Add	29.90	

08 Openings

08 50 Windows

08 51 Metal Windows



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 51 13 00-0145	EA		>6 To 10 SF, Single Vent, 3-1/4" Frame Depth, HC 50, Top Hinge, Overlap Projected Aluminum Window (Traco TR-3600)	633.90	92.23
			<i>For Installation In Concrete Or Masonry, Add</i>	42.75	
			<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	9.60	
			<i>For 70% Fluoropolymer Finish (Durandar), Add</i>	28.81	
			<i>For Clear Anodized Finish, Add</i>	24.01	
			<i>For Color Anodized Finish, Add</i>	33.61	
08 51 13 00-0146	EA		>10 To 15 SF, Single Vent, 3-1/4" Frame Depth, HC 50, Top Hinge, Overlap Projected Aluminum Window (Traco TR-3600)	705.55	97.66
			<i>For Installation In Concrete Or Masonry, Add</i>	46.12	
			<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	10.86	
			<i>For 70% Fluoropolymer Finish (Durandar), Add</i>	32.57	
			<i>For Clear Anodized Finish, Add</i>	27.14	
			<i>For Color Anodized Finish, Add</i>	37.99	
08 51 13 00-0147	SF		>15 SF, Single Vent, 3-1/4" Frame Depth, HC 50, Top Hinge, Overlap Projected Aluminum Window (Traco TR-3600)	41.61	3.26
			<i>For Installation In Concrete Or Masonry, Add</i>	1.99	
			<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	0.72	
			<i>For 70% Fluoropolymer Finish (Durandar), Add</i>	2.17	
			<i>For Clear Anodized Finish, Add</i>	1.81	
			<i>For Color Anodized Finish, Add</i>	2.53	
08 51 13 00-0148			4-5/8" Frame Depth, HC 80, Flush, Single Vent, Projected Aluminum Window (Traco TR-740/750) <small>(08 51 13 00-0127)</small>		
08 51 13 00-0149	EA		Up To 6 SF, 4-5/8" Frame Depth, HC 80, Flush, Single Vent, Projected Aluminum Window (Traco TR-740/750)	567.99	86.81
			<i>For Installation In Concrete Or Masonry, Add</i>	39.52	
			<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	8.47	
			<i>For 70% Fluoropolymer Finish (Durandar), Add</i>	25.40	
			<i>For Clear Anodized Finish, Add</i>	21.17	
			<i>For Color Anodized Finish, Add</i>	29.63	
08 51 13 00-0150	EA		>6 To 10 SF, 4-5/8" Frame Depth, HC 80, Flush, Single Vent, Projected Aluminum Window (Traco TR-740/750).....	629.42	92.23
			<i>For Installation In Concrete Or Masonry, Add</i>	42.64	
			<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	9.51	
			<i>For 70% Fluoropolymer Finish (Durandar), Add</i>	28.54	
			<i>For Clear Anodized Finish, Add</i>	23.79	
			<i>For Color Anodized Finish, Add</i>	33.30	
08 51 13 00-0151	EA		>10 To 15 SF, 4-5/8" Frame Depth, HC 80, Flush, Single Vent, Projected Aluminum Window (Traco TR-740/750).....	700.32	97.66
			<i>For Installation In Concrete Or Masonry, Add</i>	45.99	
			<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	10.75	
			<i>For 70% Fluoropolymer Finish (Durandar), Add</i>	32.25	
			<i>For Clear Anodized Finish, Add</i>	26.88	
			<i>For Color Anodized Finish, Add</i>	37.63	
08 51 13 00-0152	SF		>15 SF, 4-5/8" Frame Depth, HC 80, Flush, Single Vent, Projected Aluminum Window (Traco TR-740/750).....	41.26	3.26
			<i>For Installation In Concrete Or Masonry, Add</i>	1.98	
			<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	0.72	
			<i>For 70% Fluoropolymer Finish (Durandar), Add</i>	2.15	
			<i>For Clear Anodized Finish, Add</i>	1.79	
			<i>For Color Anodized Finish, Add</i>	2.51	
08 51 13 00-0153			Fixed Over Vent, Projected Aluminum Windows <small>(08 51 13 00-0126)</small>		
08 51 13 00-0154			2-1/4" Frame Depth, C 50, Overlap, Fixed Over Vent, Projected Aluminum Window (Traco NX-240/250) <small>(08 51 13 00-0153)</small>		
08 51 13 00-0155	EA		Up To 6 SF, 2-1/4" Frame Depth, C 50, Overlap, Fixed Over Vent, Projected Aluminum Window (Traco NX-240/250)	509.22	86.81
			<i>For Installation In Concrete Or Masonry, Add</i>	38.05	
			<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	7.29	
			<i>For 70% Fluoropolymer Finish (Durandar), Add</i>	21.87	
			<i>For Clear Anodized Finish, Add</i>	18.23	
			<i>For Color Anodized Finish, Add</i>	25.52	
08 51 13 00-0156	EA		>6 To 10 SF, 2-1/4" Frame Depth, C 50, Overlap, Fixed Over Vent, Projected Aluminum Window (Traco NX-240/250)	560.93	92.23
			<i>For Installation In Concrete Or Masonry, Add</i>	40.92	
			<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	8.14	
			<i>For 70% Fluoropolymer Finish (Durandar), Add</i>	24.43	
			<i>For Clear Anodized Finish, Add</i>	20.36	
			<i>For Color Anodized Finish, Add</i>	28.50	
08 51 13 00-0157	EA		>10 To 15 SF, 2-1/4" Frame Depth, C 50, Overlap, Fixed Over Vent, Projected Aluminum Window (Traco NX-240/250)	620.53	97.66
			<i>For Installation In Concrete Or Masonry, Add</i>	44.00	
			<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	9.16	
			<i>For 70% Fluoropolymer Finish (Durandar), Add</i>	27.47	
			<i>For Clear Anodized Finish, Add</i>	22.89	
			<i>For Color Anodized Finish, Add</i>	32.04	
08 51 13 00-0158	SF		>15 SF, 2-1/4" Frame Depth, C 50, Overlap, Fixed Over Vent, Projected Aluminum Window (Traco NX-240/250).....	35.89	3.26
			<i>For Installation In Concrete Or Masonry, Add</i>	1.85	
			<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	0.61	
			<i>For 70% Fluoropolymer Finish (Durandar), Add</i>	1.83	
			<i>For Clear Anodized Finish, Add</i>	1.52	
			<i>For Color Anodized Finish, Add</i>	2.13	



Openings	08	08
Windows	08 50	
Metal Windows	08 51	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 51 13 00-0159 2-1/4" Frame Depth, HC 80, Flush, Fixed Over Vent, Projected Aluminum Window (Traco TR-2400/2500) (08 51 13 00-0153)		
08 51 13 00-0160 EA Up To 6 SF, 2-1/4" Frame Depth, HC 80, Flush, Fixed Over Vent, Projected Aluminum Window (Traco TR-2400/2500)	692.31	86.81
For Installation In Concrete Or Masonry, Add	42.63	
For 50% Fluoropolymer Finish (Acrynar), Add	10.95	
For 70% Fluoropolymer Finish (Duranar), Add	32.86	
For Clear Anodized Finish, Add	27.38	
For Color Anodized Finish, Add	38.33	
08 51 13 00-0161 EA >6 To 10 SF, 2-1/4" Frame Depth, HC 80, Flush, Fixed Over Vent, Projected Aluminum Window (Traco TR-2400/2500)	774.24	92.23
For Installation In Concrete Or Masonry, Add	46.26	
For 50% Fluoropolymer Finish (Acrynar), Add	12.41	
For 70% Fluoropolymer Finish (Duranar), Add	37.23	
For Clear Anodized Finish, Add	31.03	
For Color Anodized Finish, Add	43.44	
08 51 13 00-0162 EA >10 To 15 SF, 2-1/4" Frame Depth, HC 80, Flush, Fixed Over Vent, Projected Aluminum Window (Traco TR-2400/2500)	869.04	97.66
For Installation In Concrete Or Masonry, Add	50.21	
For 50% Fluoropolymer Finish (Acrynar), Add	14.13	
For 70% Fluoropolymer Finish (Duranar), Add	42.38	
For Clear Anodized Finish, Add	35.31	
For Color Anodized Finish, Add	49.44	
08 51 13 00-0163 SF >15 SF, 2-1/4" Frame Depth, HC 80, Flush, Fixed Over Vent, Projected Aluminum Window (Traco TR-2400/2500)	52.50	3.26
For Installation In Concrete Or Masonry, Add	2.26	
For 50% Fluoropolymer Finish (Acrynar), Add	0.94	
For 70% Fluoropolymer Finish (Duranar), Add	2.82	
For Clear Anodized Finish, Add	2.35	
For Color Anodized Finish, Add	3.30	
08 51 13 00-0164 3-1/4" Frame Depth, HC 80, Overlap, Fixed Over Vent, Projected Aluminum Window (Traco TR-3400/3500) (08 51 13 00-0153)		
08 51 13 00-0165 EA Up To 6 SF, 3-1/4" Frame Depth, HC 80, Overlap, Fixed Over Vent, Projected Aluminum Window (Traco TR-3400/3500)	730.85	86.81
For Installation In Concrete Or Masonry, Add	43.59	
For 50% Fluoropolymer Finish (Acrynar), Add	11.72	
For 70% Fluoropolymer Finish (Duranar), Add	35.17	
For Clear Anodized Finish, Add	29.31	
For Color Anodized Finish, Add	41.03	
08 51 13 00-0166 EA >6 To 10 SF, 3-1/4" Frame Depth, HC 80, Overlap, Fixed Over Vent, Projected Aluminum Window (Traco TR-3400/3500)	819.14	92.23
For Installation In Concrete Or Masonry, Add	47.38	
For 50% Fluoropolymer Finish (Acrynar), Add	13.31	
For 70% Fluoropolymer Finish (Duranar), Add	39.93	
For Clear Anodized Finish, Add	33.27	
For Color Anodized Finish, Add	46.58	
08 51 13 00-0167 EA >10 To 15 SF, 3-1/4" Frame Depth, HC 80, Overlap, Fixed Over Vent, Projected Aluminum Window (Traco TR-3400/3500)	921.35	97.66
For Installation In Concrete Or Masonry, Add	51.52	
For 50% Fluoropolymer Finish (Acrynar), Add	15.17	
For 70% Fluoropolymer Finish (Duranar), Add	45.51	
For Clear Anodized Finish, Add	37.93	
For Color Anodized Finish, Add	53.10	
08 51 13 00-0168 SF >15 SF, 3-1/4" Frame Depth, HC 80, Overlap, Fixed Over Vent, Projected Aluminum Window (Traco TR-3400/3500)	55.90	3.26
For Installation In Concrete Or Masonry, Add	2.35	
For 50% Fluoropolymer Finish (Acrynar), Add	1.01	
For 70% Fluoropolymer Finish (Duranar), Add	3.03	
For Clear Anodized Finish, Add	2.52	
For Color Anodized Finish, Add	3.53	
08 51 13 00-0169 3-1/4" Frame Depth, HC 50, Top Hinge, Overlap, Fixed Over Vent, Projected Aluminum Window (Traco TR-3600) (08 51 13 00-0153)		
08 51 13 00-0170 EA Up To 6 SF, 3-1/4" Frame Depth, HC 50, Top Hinge, Overlap, Fixed Over Vent, Projected Aluminum Window (Traco TR-3600)	727.01	86.81
For Installation In Concrete Or Masonry, Add	43.49	
For 50% Fluoropolymer Finish (Acrynar), Add	11.65	
For 70% Fluoropolymer Finish (Duranar), Add	34.94	
For Clear Anodized Finish, Add	29.12	
For Color Anodized Finish, Add	40.76	
08 51 13 00-0171 EA >6 To 10 SF, 3-1/4" Frame Depth, HC 50, Top Hinge, Overlap, Fixed Over Vent, Projected Aluminum Window (Traco TR-3600)	814.65	92.23
For Installation In Concrete Or Masonry, Add	47.27	
For 50% Fluoropolymer Finish (Acrynar), Add	13.22	
For 70% Fluoropolymer Finish (Duranar), Add	39.66	
For Clear Anodized Finish, Add	33.05	
For Color Anodized Finish, Add	46.27	

08 Openings

08 50 Windows

08 51 Metal Windows



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 51	13 00-0172	EA	>10 To 15 SF, 3-1/4" Frame Depth, HC 50, Top Hinge, Overlap, Fixed Over Vent, Projected Aluminum Window (Traco TR-3600)	916.12	97.66
			<i>For Installation In Concrete Or Masonry, Add</i>	51.39	
			<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	15.07	
			<i>For 70% Fluoropolymer Finish (Duranar), Add</i>	45.20	
			<i>For Clear Anodized Finish, Add</i>	37.67	
			<i>For Color Anodized Finish, Add</i>	52.73	
08 51	13 00-0173	SF	>15 SF, 3-1/4" Frame Depth, HC 50, Top Hinge, Overlap, Fixed Over Vent, Projected Aluminum Window (Traco TR-3600)	55.64	3.26
			<i>For Installation In Concrete Or Masonry, Add</i>	2.34	
			<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	1.00	
			<i>For 70% Fluoropolymer Finish (Duranar), Add</i>	3.01	
			<i>For Clear Anodized Finish, Add</i>	2.51	
			<i>For Color Anodized Finish, Add</i>	3.52	
08 51	13 00-0174		4-5/8" Frame Depth, HC 80, Flush, Fixed Over Vent, Projected Aluminum Window (Traco TR-740/750) <small>(08 51 13 00-0153)</small>		
08 51	13 00-0175	EA	Up To 6 SF, 4-5/8" Frame Depth, HC 80, Flush, Fixed Over Vent, Projected Aluminum Window (Traco TR-740/750)	786.75	86.81
			<i>For Installation In Concrete Or Masonry, Add</i>	44.99	
			<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	12.84	
			<i>For 70% Fluoropolymer Finish (Duranar), Add</i>	38.52	
			<i>For Clear Anodized Finish, Add</i>	32.10	
			<i>For Color Anodized Finish, Add</i>	44.94	
08 51	13 00-0176	EA	>6 To 10 SF, 4-5/8" Frame Depth, HC 80, Flush, Fixed Over Vent, Projected Aluminum Window (Traco TR-740/750)	884.26	92.23
			<i>For Installation In Concrete Or Masonry, Add</i>	49.01	
			<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	14.61	
			<i>For 70% Fluoropolymer Finish (Duranar), Add</i>	43.83	
			<i>For Clear Anodized Finish, Add</i>	36.53	
			<i>For Color Anodized Finish, Add</i>	51.14	
08 51	13 00-0177	EA	>10 To 15 SF, 4-5/8" Frame Depth, HC 80, Flush, Fixed Over Vent, Projected Aluminum Window (Traco TR-740/750)	997.21	97.66
			<i>For Installation In Concrete Or Masonry, Add</i>	53.42	
			<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	16.69	
			<i>For 70% Fluoropolymer Finish (Duranar), Add</i>	50.07	
			<i>For Clear Anodized Finish, Add</i>	41.72	
			<i>For Color Anodized Finish, Add</i>	58.41	
08 51	13 00-0178	SF	>15 SF, 4-5/8" Frame Depth, HC 80, Flush, Fixed Over Vent, Projected Aluminum Window (Traco TR-740/750)	61.01	3.26
			<i>For Installation In Concrete Or Masonry, Add</i>	2.47	
			<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	1.11	
			<i>For 70% Fluoropolymer Finish (Duranar), Add</i>	3.34	
			<i>For Clear Anodized Finish, Add</i>	2.78	
			<i>For Color Anodized Finish, Add</i>	3.89	
08 51	13 00-0179		Casement Aluminum Windows <small>(08 51 13 00-0001)</small>		
08 51	13 00-0180		Single Vent, Casement Aluminum Windows <small>(08 51 13 00-0179)</small>		
08 51	13 00-0181		2-1/4" Frame Depth, C 50, Overlap, Single Vent, Casement Aluminum Window (Traco NX-210/220) <small>(08 51 13 00-0180)</small>		
08 51	13 00-0182	EA	Up To 6 SF, 2-1/4" Frame Depth, C 50, Overlap, Single Vent, Casement Aluminum Window (Traco NX-210/220)	430.19	86.81
			<i>For Installation In Concrete Or Masonry, Add</i>	36.07	
			<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	5.71	
			<i>For 70% Fluoropolymer Finish (Duranar), Add</i>	17.13	
			<i>For Clear Anodized Finish, Add</i>	14.28	
			<i>For Color Anodized Finish, Add</i>	19.99	
08 51	13 00-0183	EA	>6 To 10 SF, 2-1/4" Frame Depth, C 50, Overlap, Single Vent, Casement Aluminum Window (Traco NX-210/220)	468.87	92.23
			<i>For Installation In Concrete Or Masonry, Add</i>	38.62	
			<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	6.30	
			<i>For 70% Fluoropolymer Finish (Duranar), Add</i>	18.91	
			<i>For Clear Anodized Finish, Add</i>	15.76	
			<i>For Color Anodized Finish, Add</i>	22.06	
08 51	13 00-0184	EA	>10 To 15 SF, 2-1/4" Frame Depth, C 50, Overlap, Single Vent, Casement Aluminum Window (Traco NX-210/220)	513.29	97.66
			<i>For Installation In Concrete Or Masonry, Add</i>	41.32	
			<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	7.01	
			<i>For 70% Fluoropolymer Finish (Duranar), Add</i>	21.03	
			<i>For Clear Anodized Finish, Add</i>	17.53	
			<i>For Color Anodized Finish, Add</i>	24.54	
08 51	13 00-0185	SF	>15 SF, 2-1/4" Frame Depth, C 50, Overlap, Single Vent, Casement Aluminum Window (Traco NX-210/220)	28.79	3.26
			<i>For Installation In Concrete Or Masonry, Add</i>	1.67	
			<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	0.47	
			<i>For 70% Fluoropolymer Finish (Duranar), Add</i>	1.40	
			<i>For Clear Anodized Finish, Add</i>	1.17	
			<i>For Color Anodized Finish, Add</i>	1.64	
08 51	13 00-0186		2-1/4" Frame Depth, HC 80, Flush, Single Vent, Casement Aluminum Window (Traco TR-2100/2200) <small>(08 51 13 00-0180)</small>		



Openings	08	08
Windows	08 50	
Metal Windows	08 51	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 51	13 00-0187	EA	Up To 6 SF, 2-1/4" Frame Depth, HC 80, Flush, Single Vent, Casement Aluminum Window (Traco TR-2100/2200).....	605.58	86.81
			<i>For Installation In Concrete Or Masonry, Add</i>	40.46	
			<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	9.22	
			<i>For 70% Fluoropolymer Finish (Duranar), Add</i>	27.65	
			<i>For Clear Anodized Finish, Add</i>	23.05	
			<i>For Color Anodized Finish, Add</i>	32.26	
08 51	13 00-0188	EA	>6 To 10 SF, 2-1/4" Frame Depth, HC 80, Flush, Single Vent, Casement Aluminum Window (Traco TR-2100/2200).....	673.19	92.23
			<i>For Installation In Concrete Or Masonry, Add</i>	43.73	
			<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	10.39	
			<i>For 70% Fluoropolymer Finish (Duranar), Add</i>	31.17	
			<i>For Clear Anodized Finish, Add</i>	25.97	
			<i>For Color Anodized Finish, Add</i>	36.36	
08 51	13 00-0189	EA	>10 To 15 SF, 2-1/4" Frame Depth, HC 80, Flush, Single Vent, Casement Aluminum Window (Traco TR-2100/2200).....	751.33	97.66
			<i>For Installation In Concrete Or Masonry, Add</i>	47.27	
			<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	11.77	
			<i>For 70% Fluoropolymer Finish (Duranar), Add</i>	35.31	
			<i>For Clear Anodized Finish, Add</i>	29.43	
			<i>For Color Anodized Finish, Add</i>	41.20	
08 51	13 00-0190	SF	>15 SF, 2-1/4" Frame Depth, HC 80, Flush, Single Vent, Casement Aluminum Window (Traco TR-2100/2200).....	44.66	3.26
			<i>For Installation In Concrete Or Masonry, Add</i>	2.07	
			<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	0.78	
			<i>For 70% Fluoropolymer Finish (Duranar), Add</i>	2.35	
			<i>For Clear Anodized Finish, Add</i>	1.96	
			<i>For Color Anodized Finish, Add</i>	2.75	
08 51	13 00-0191		3-1/4" Frame Depth, HC 80, Overlap, Single Vent, Casement Aluminum Window (Traco TR-3100/3200) (08 51 13 00-0180)		
08 51	13 00-0192	EA	Up To 6 SF, 3-1/4" Frame Depth, HC 80, Overlap, Single Vent, Casement Aluminum Window (Traco TR-3100/3200).....	608.47	86.81
			<i>For Installation In Concrete Or Masonry, Add</i>	40.53	
			<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	9.28	
			<i>For 70% Fluoropolymer Finish (Duranar), Add</i>	27.83	
			<i>For Clear Anodized Finish, Add</i>	23.19	
			<i>For Color Anodized Finish, Add</i>	32.47	
08 51	13 00-0193	EA	>6 To 10 SF, 3-1/4" Frame Depth, HC 80, Overlap, Single Vent, Casement Aluminum Window (Traco TR-3100/3200).....	676.57	92.23
			<i>For Installation In Concrete Or Masonry, Add</i>	43.82	
			<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	10.46	
			<i>For 70% Fluoropolymer Finish (Duranar), Add</i>	31.37	
			<i>For Clear Anodized Finish, Add</i>	26.14	
			<i>For Color Anodized Finish, Add</i>	36.60	
08 51	13 00-0194	EA	>10 To 15 SF, 3-1/4" Frame Depth, HC 80, Overlap, Single Vent, Casement Aluminum Window (Traco TR-3100/3200).....	755.25	97.66
			<i>For Installation In Concrete Or Masonry, Add</i>	47.37	
			<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	11.85	
			<i>For 70% Fluoropolymer Finish (Duranar), Add</i>	35.55	
			<i>For Clear Anodized Finish, Add</i>	29.62	
			<i>For Color Anodized Finish, Add</i>	41.47	
08 51	13 00-0195	SF	>15 SF, 3-1/4" Frame Depth, HC 80, Overlap, Single Vent, Casement Aluminum Window (Traco TR-3100/3200).....	44.92	3.26
			<i>For Installation In Concrete Or Masonry, Add</i>	2.07	
			<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	0.79	
			<i>For 70% Fluoropolymer Finish (Duranar), Add</i>	2.37	
			<i>For Clear Anodized Finish, Add</i>	1.98	
			<i>For Color Anodized Finish, Add</i>	2.77	
08 51	13 00-0196		4-5/8" Frame Depth, HC 80, Flush, Single Vent, Casement Aluminum Window (Traco TR-710/720) (08 51 13 00-0180)		
08 51	13 00-0197	EA	Up To 6 SF, 4-5/8" Frame Depth, HC 80, Flush, Single Vent, Casement Aluminum Window (Traco TR-710/720).....	638.35	86.81
			<i>For Installation In Concrete Or Masonry, Add</i>	41.28	
			<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	9.87	
			<i>For 70% Fluoropolymer Finish (Duranar), Add</i>	29.62	
			<i>For Clear Anodized Finish, Add</i>	24.68	
			<i>For Color Anodized Finish, Add</i>	34.56	
08 51	13 00-0198	EA	>6 To 10 SF, 4-5/8" Frame Depth, HC 80, Flush, Single Vent, Casement Aluminum Window (Traco TR-710/720).....	711.37	92.23
			<i>For Installation In Concrete Or Masonry, Add</i>	44.69	
			<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	11.15	
			<i>For 70% Fluoropolymer Finish (Duranar), Add</i>	33.46	
			<i>For Clear Anodized Finish, Add</i>	27.88	
			<i>For Color Anodized Finish, Add</i>	39.04	
08 51	13 00-0199	EA	>10 To 15 SF, 4-5/8" Frame Depth, HC 80, Flush, Single Vent, Casement Aluminum Window (Traco TR-710/720).....	795.79	97.66
			<i>For Installation In Concrete Or Masonry, Add</i>	48.38	
			<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	12.66	
			<i>For 70% Fluoropolymer Finish (Duranar), Add</i>	37.98	
			<i>For Clear Anodized Finish, Add</i>	31.65	
			<i>For Color Anodized Finish, Add</i>	44.31	
08 51	13 00-0200	SF	>15 SF, 4-5/8" Frame Depth, HC 80, Flush, Single Vent, Casement Aluminum Window (Traco TR-710/720).....	47.63	3.26
			<i>For Installation In Concrete Or Masonry, Add</i>	2.14	
			<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	0.84	
			<i>For 70% Fluoropolymer Finish (Duranar), Add</i>	2.53	
			<i>For Clear Anodized Finish, Add</i>	2.11	
			<i>For Color Anodized Finish, Add</i>	2.95	

08 Openings

08 50 Windows

08 51 Metal Windows



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 51 13 00-0201			Fixed Over Vent, Casement Aluminum Windows (08 51 13 00-0179)		
08 51 13 00-0202			2-1/4" Frame Depth, C 50, Overlap, Fixed Over Vent, Casement Aluminum Window (Traco NX-210/220) (08 51 13 00-0201)		
08 51 13 00-0203	EA		Up To 6 SF, 2-1/4" Frame Depth, C 50, Overlap, Fixed Over Vent, Casement Aluminum Window (Traco NX-210/220)	483.20	86.81
			For Installation In Concrete Or Masonry, Add	37.40	
			For 50% Fluoropolymer Finish (Acrynar), Add	6.77	
			For 70% Fluoropolymer Finish (Duramar), Add	20.31	
			For Clear Anodized Finish, Add	16.93	
			For Color Anodized Finish, Add	23.70	
08 51 13 00-0204	EA		>6 To 10 SF, 2-1/4" Frame Depth, C 50, Overlap, Fixed Over Vent, Casement Aluminum Window (Traco NX-210/220)	530.62	92.23
			For Installation In Concrete Or Masonry, Add	40.17	
			For 50% Fluoropolymer Finish (Acrynar), Add	7.54	
			For 70% Fluoropolymer Finish (Duramar), Add	22.61	
			For Clear Anodized Finish, Add	18.85	
			For Color Anodized Finish, Add	26.38	
08 51 13 00-0205	EA		>10 To 15 SF, 2-1/4" Frame Depth, C 50, Overlap, Fixed Over Vent, Casement Aluminum Window (Traco NX-210/220)	585.22	97.66
			For Installation In Concrete Or Masonry, Add	43.12	
			For 50% Fluoropolymer Finish (Acrynar), Add	8.45	
			For 70% Fluoropolymer Finish (Duramar), Add	25.35	
			For Clear Anodized Finish, Add	21.12	
			For Color Anodized Finish, Add	29.57	
08 51 13 00-0206	SF		>15 SF, 2-1/4" Frame Depth, C 50, Overlap, Fixed Over Vent, Casement Aluminum Window (Traco NX-210/220)	33.58	3.26
			For Installation In Concrete Or Masonry, Add	1.79	
			For 50% Fluoropolymer Finish (Acrynar), Add	0.56	
			For 70% Fluoropolymer Finish (Duramar), Add	1.69	
			For Clear Anodized Finish, Add	1.41	
			For Color Anodized Finish, Add	1.97	
08 51 13 00-0207			2-1/4" Frame Depth, HC 80, Flush, Fixed Over Vent, Casement Aluminum Window (Traco TR-2100/2200) (08 51 13 00-0201)		
08 51 13 00-0208	EA		Up To 6 SF, 2-1/4" Frame Depth, HC 80, Flush, Fixed Over Vent, Casement Aluminum Window (Traco TR-2100/2200)	658.58	86.81
			For Installation In Concrete Or Masonry, Add	41.78	
			For 50% Fluoropolymer Finish (Acrynar), Add	10.28	
			For 70% Fluoropolymer Finish (Duramar), Add	30.83	
			For Clear Anodized Finish, Add	25.70	
			For Color Anodized Finish, Add	35.97	
08 51 13 00-0209	EA		>6 To 10 SF, 2-1/4" Frame Depth, HC 80, Flush, Fixed Over Vent, Casement Aluminum Window (Traco TR-2100/2200)	734.94	92.23
			For Installation In Concrete Or Masonry, Add	45.27	
			For 50% Fluoropolymer Finish (Acrynar), Add	11.62	
			For 70% Fluoropolymer Finish (Duramar), Add	34.87	
			For Clear Anodized Finish, Add	29.06	
			For Color Anodized Finish, Add	40.69	
08 51 13 00-0210	EA		>10 To 15 SF, 2-1/4" Frame Depth, HC 80, Flush, Fixed Over Vent, Casement Aluminum Window (Traco TR-2100/2200)	823.26	97.66
			For Installation In Concrete Or Masonry, Add	49.07	
			For 50% Fluoropolymer Finish (Acrynar), Add	13.21	
			For 70% Fluoropolymer Finish (Duramar), Add	39.63	
			For Clear Anodized Finish, Add	33.02	
			For Color Anodized Finish, Add	46.23	
08 51 13 00-0211	SF		>15 SF, 2-1/4" Frame Depth, HC 80, Flush, Fixed Over Vent, Casement Aluminum Window (Traco TR-2100/2200)	49.46	3.26
			For Installation In Concrete Or Masonry, Add	2.19	
			For 50% Fluoropolymer Finish (Acrynar), Add	0.88	
			For 70% Fluoropolymer Finish (Duramar), Add	2.64	
			For Clear Anodized Finish, Add	2.20	
			For Color Anodized Finish, Add	3.08	
08 51 13 00-0212			3-1/4" Frame Depth, HC 80, Overlap, Fixed Over Vent, Casement Aluminum Window (Traco TR-3100/3200) (08 51 13 00-0201)		
08 51 13 00-0213	EA		Up To 6 SF, 3-1/4" Frame Depth, HC 80, Overlap, Fixed Over Vent, Casement Aluminum Window (Traco TR-3100/3200)	723.15	86.81
			For Installation In Concrete Or Masonry, Add	43.40	
			For 50% Fluoropolymer Finish (Acrynar), Add	11.57	
			For 70% Fluoropolymer Finish (Duramar), Add	34.71	
			For Clear Anodized Finish, Add	28.92	
			For Color Anodized Finish, Add	40.49	
08 51 13 00-0214	EA		>6 To 10 SF, 3-1/4" Frame Depth, HC 80, Overlap, Fixed Over Vent, Casement Aluminum Window (Traco TR-3100/3200)	810.17	92.23
			For Installation In Concrete Or Masonry, Add	47.16	
			For 50% Fluoropolymer Finish (Acrynar), Add	13.13	
			For 70% Fluoropolymer Finish (Duramar), Add	39.39	
			For Clear Anodized Finish, Add	32.82	
			For Color Anodized Finish, Add	45.95	



Openings	08	08
Windows	08 50	
Metal Windows	08 51	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 51 13 00-0215	EA		>10 To 15 SF, 3-1/4" Frame Depth, HC 80, Overlap, Fixed Over Vent, Casement Aluminum Window (Traco TR-3100/3200).....	910.89	97.66
			<i>For Installation In Concrete Or Masonry, Add</i>	51.26	
			<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	14.96	
			<i>For 70% Fluoropolymer Finish (Duranar), Add</i>	44.89	
			<i>For Clear Anodized Finish, Add</i>	37.41	
			<i>For Color Anodized Finish, Add</i>	52.37	
08 51 13 00-0216	SF		>15 SF, 3-1/4" Frame Depth, HC 80, Overlap, Fixed Over Vent, Casement Aluminum Window (Traco TR-3100/3200).....	55.29	3.26
			<i>For Installation In Concrete Or Masonry, Add</i>	2.33	
			<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	1.00	
			<i>For 70% Fluoropolymer Finish (Duranar), Add</i>	2.99	
			<i>For Clear Anodized Finish, Add</i>	2.49	
			<i>For Color Anodized Finish, Add</i>	3.49	
08 51 13 00-0217 4-5/8" Frame Depth, HC 80, Flush, Fixed Over Vent, Casement Aluminum Window (Traco TR-710/720) (08 51 13 00-0201)					
08 51 13 00-0218	EA		Up To 6 SF, 4-5/8" Frame Depth, HC 80, Flush, Fixed Over Vent, Casement Aluminum Window (Traco TR-710/720).....	781.93	86.81
			<i>For Installation In Concrete Or Masonry, Add</i>	44.87	
			<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	12.75	
			<i>For 70% Fluoropolymer Finish (Duranar), Add</i>	38.24	
			<i>For Clear Anodized Finish, Add</i>	31.86	
			<i>For Color Anodized Finish, Add</i>	44.61	
08 51 13 00-0219	EA		>6 To 10 SF, 4-5/8" Frame Depth, HC 80, Flush, Fixed Over Vent, Casement Aluminum Window (Traco TR-710/720).....	878.65	92.23
			<i>For Installation In Concrete Or Masonry, Add</i>	48.87	
			<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	14.50	
			<i>For 70% Fluoropolymer Finish (Duranar), Add</i>	43.50	
			<i>For Clear Anodized Finish, Add</i>	36.25	
			<i>For Color Anodized Finish, Add</i>	50.75	
08 51 13 00-0220	EA		>10 To 15 SF, 4-5/8" Frame Depth, HC 80, Flush, Fixed Over Vent, Casement Aluminum Window (Traco TR-710/720).....	990.67	97.66
			<i>For Installation In Concrete Or Masonry, Add</i>	53.25	
			<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	16.56	
			<i>For 70% Fluoropolymer Finish (Duranar), Add</i>	49.67	
			<i>For Clear Anodized Finish, Add</i>	41.40	
			<i>For Color Anodized Finish, Add</i>	57.95	
08 51 13 00-0221	SF		>15 SF, 4-5/8" Frame Depth, HC 80, Flush, Fixed Over Vent, Casement Aluminum Window (Traco TR-710/720).....	60.61	3.26
			<i>For Installation In Concrete Or Masonry, Add</i>	2.46	
			<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	1.10	
			<i>For 70% Fluoropolymer Finish (Duranar), Add</i>	3.31	
			<i>For Clear Anodized Finish, Add</i>	2.76	
			<i>For Color Anodized Finish, Add</i>	3.86	
08 51 13 00-0222 Aluminum Window Accessories (08 51 13)					
08 51 13 00-0223 Aluminum Window Mullions (08 51 13 00-0222)					
08 51 13 00-0224	LF		Integral Mullions For Aluminum Windows.....	15.85	4.07
			<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	0.17	
			<i>For 70% Fluoropolymer Finish (Duranar), Add</i>	0.50	
			<i>For Clear Anodized Finish, Add</i>	0.42	
			<i>For Color Anodized Finish, Add</i>	0.58	
08 51 13 00-0225 Aluminum Window Panning (08 51 13 00-0222)					
Note: Panning price is determined by window size. For windows greater than 30 square feet multiply window square footage by square foot price.					
08 51 13 00-0226	EA		Up To 6 SF Window, Aluminum Window Panning.....	158.06	35.63
			<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	1.97	
			<i>For 70% Fluoropolymer Finish (Duranar), Add</i>	5.92	
			<i>For Clear Anodized Finish, Add</i>	4.93	
			<i>For Color Anodized Finish, Add</i>	6.91	
08 51 13 00-0227	EA		>6 To 10 SF Window, Aluminum Window Panning.....	226.18	59.37
			<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	2.54	
			<i>For 70% Fluoropolymer Finish (Duranar), Add</i>	7.63	
			<i>For Clear Anodized Finish, Add</i>	6.36	
			<i>For Color Anodized Finish, Add</i>	8.91	
08 51 13 00-0228	EA		>10 To 15 SF Window, Aluminum Window Panning.....	287.56	89.06
			<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	2.78	
			<i>For 70% Fluoropolymer Finish (Duranar), Add</i>	8.35	
			<i>For Clear Anodized Finish, Add</i>	6.96	
			<i>For Color Anodized Finish, Add</i>	9.74	
08 51 13 00-0229	EA		>15 To 20 SF Window, Aluminum Window Panning.....	351.31	118.76
			<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	3.07	
			<i>For 70% Fluoropolymer Finish (Duranar), Add</i>	9.20	
			<i>For Clear Anodized Finish, Add</i>	7.67	
			<i>For Color Anodized Finish, Add</i>	10.74	
08 51 13 00-0230	EA		>20 To 30 SF Window, Aluminum Window Panning.....	477.61	178.13
			<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	3.61	
			<i>For 70% Fluoropolymer Finish (Duranar), Add</i>	10.84	
			<i>For Clear Anodized Finish, Add</i>	9.04	
			<i>For Color Anodized Finish, Add</i>	12.65	

08 Openings**08 50 Windows****08 51 Metal Windows**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 51 13 00-0231	SF		>30 SF Window, Aluminum Window Panning..... <i>For 50% Fluoropolymer Finish (Acrynar), Add</i> <i>For 70% Fluoropolymer Finish (Duranar), Add</i> <i>For Clear Anodized Finish, Add</i> <i>For Color Anodized Finish, Add</i>	18.02 0.11 0.34 0.28 0.40	7.43
08 51 13 00-0232 Aluminum Window Muntins, Grilles Or Dividers (08 51 13 00-0222)					
08 51 13 00-0233	SF		Applied (Per Side) Muntins Grilles Or Dividers For Aluminum Windows..... <i>For 50% Fluoropolymer Finish (Acrynar), Add</i> <i>For 70% Fluoropolymer Finish (Duranar), Add</i> <i>For Clear Anodized Finish, Add</i> <i>For Color Anodized Finish, Add</i>	5.96 0.01 0.03 0.03 0.04	4.07
08 51 13 00-0234	SF		Internal Only (Between Glass) Muntins, Grilles Or Dividers For Aluminum Windows <i>For 50% Fluoropolymer Finish (Acrynar), Add</i> <i>For 70% Fluoropolymer Finish (Duranar), Add</i> <i>For Clear Anodized Finish, Add</i> <i>For Color Anodized Finish, Add</i>	7.50 0.04 0.12 0.10 0.15	4.07
08 51 13 00-0235	SF		Simulated Divided Lite Muntins Grilles Or Dividers For Aluminum Windows <i>For 50% Fluoropolymer Finish (Acrynar), Add</i> <i>For 70% Fluoropolymer Finish (Duranar), Add</i> <i>For Clear Anodized Finish, Add</i> <i>For Color Anodized Finish, Add</i>	16.53 0.06 0.18 0.15 0.21	4.07
08 51 13 00-0236	SF		True Divided Lite Muntins Grilles Or Dividers For Aluminum Windows..... <i>For 50% Fluoropolymer Finish (Acrynar), Add</i> <i>For 70% Fluoropolymer Finish (Duranar), Add</i> <i>For Clear Anodized Finish, Add</i> <i>For Color Anodized Finish, Add</i>	19.53 0.08 0.25 0.21 0.29	4.07
08 51 13 00-0237 Other Aluminum Window Accessories (08 51 13 00-0222)					
08 51 13 00-0238	EA		Rotop Operator For Casement Aluminum Windows	112.01	18.08
08 51 13 00-0239	EA		Head And Sill Automatic Locks For Hung Aluminum Windows.....	59.70	18.08
08 51 13 00-0240 Aluminum Window Insect Screens (08 51 13 00-0222)					
Note: Includes aluminum frames.					
08 51 13 00-0241	SF		<10 SF Area Including Aluminum Frame, Insect Screens For Aluminum Windows.....	5.08	1.36
08 51 13 00-0242	SF		>10 SF Area Including Aluminum Frame, Insect Screens For Aluminum Windows.....	3.51	1.09
08 51 13 00-0243	SF		Repair Screen Window	4.35	
08 51 19 Stainless-Steel Windows (08 51)					
See CSI section 08 80 00 00-0000 for glazing.					
08 51 19 00-0001 Stainless Steel Windows Types (08 51 19)					
08 51 19 00-0002	SF		Stainless Steel Window Casements, 100% Vented Operable, Factory Primed <i>For Heavy Commercial Grade (HC-40), Add</i> <i>For Non Stock Custom Sizes, Add</i> <i>For Installation In Concrete Or Masonry, Add</i>	66.48 27.20 5.74 3.24	5.42
08 51 19 00-0003	SF		Stainless Steel Window Casements, 50% Vented Operable, Factory Primed <i>For Heavy Commercial Grade (HC-40), Add</i> <i>For Non Stock Custom Sizes, Add</i> <i>For Installation In Concrete Or Masonry, Add</i>	59.05 23.86 5.00 3.06	5.42
08 51 19 00-0004	SF		Stainless Steel Window Casements, Fixed Sash, Factory Primed <i>For Heavy Commercial Grade (HC-40), Add</i> <i>For Non Stock Custom Sizes, Add</i> <i>For Installation In Concrete Or Masonry, Add</i>	42.90 16.59 3.39 2.65	5.42
08 51 19 00-0005	SF		Stainless Steel Window, Fixed Sash..... <i>For Heavy Commercial Grade (HC-40), Add</i> <i>For Non Stock Custom Sizes, Add</i> <i>For Installation In Concrete Or Masonry, Add</i>	47.58 18.70 3.85 2.77	5.42
08 51 19 00-0006	SF		Stainless Steel Window With Horizontal Pivot Sash <i>For Heavy Commercial Grade (HC-40), Add</i> <i>For Non Stock Custom Sizes, Add</i> <i>For Installation In Concrete Or Masonry, Add</i>	80.96 33.72 7.19 3.61	5.42
08 51 19 00-0007	SF		Commercial Projected Sash Window - 40% Vented Stainless Steel..... <i>For Heavy Commercial Grade (HC-40), Add</i> <i>For Non Stock Custom Sizes, Add</i> <i>For Installation In Concrete Or Masonry, Add</i>	84.74 35.42 7.57 3.70	5.42
08 51 19 00-0008	SF		Intermediate Projected Sash Window - 40% Vented Stainless Steel..... <i>For Heavy Commercial Grade (HC-40), Add</i> <i>For Non Stock Custom Sizes, Add</i> <i>For Installation In Concrete Or Masonry, Add</i>	93.72 39.46 8.47 3.93	5.42
08 51 19 00-0009	SF		Double Hung Stainless Steel Window Sash <i>For Heavy Commercial Grade (HC-40), Add</i> <i>For Non Stock Custom Sizes, Add</i> <i>For Installation In Concrete Or Masonry, Add</i>	102.67 43.49 9.36 4.15	5.42
08 51 19 00-0010	SF		Single Hung Stainless Steel Window Sash..... <i>For Heavy Commercial Grade (HC-40), Add</i> <i>For Non Stock Custom Sizes, Add</i> <i>For Installation In Concrete Or Masonry, Add</i>	72.18 29.77 6.31 3.39	5.42



Openings	08	08
Windows	08 50	
Metal Windows	08 51	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 51 19 00-0011 SF Stainless Steel Picture Window Sash For Heavy Commercial Grade (HC-40), Add For Non Stock Custom Sizes, Add For Installation In Concrete Or Masonry, Add	60.06 24.32 5.10 3.08	5.42
08 51 19 00-0012 SF Sliding Stainless Steel Window..... For Heavy Commercial Grade (HC-40), Add For Non Stock Custom Sizes, Add For Installation In Concrete Or Masonry, Add	105.96 44.97 9.69 4.23	5.42
08 51 23 Steel Windows (08 51)		
Note: All sashes are factory primed. See CSI section 08 80 00 00-0000 for glazing.		
08 51 23 00-0001 Steel Windows (08 51 23)		
08 51 23 00-0002 Industrial (08 51 23 00-0001)		
08 51 23 00-0003 SF Industrial Steel Window With Horizontal Pivot Sash For Heavy Commercial Grade (HC-40), Add For Non Stock Custom Sizes, Add For Double Glazing Sash, Add For Bonderized Finish, Add For Installation In Concrete Or Masonry, Add	51.70 20.55 4.27 26.14 16.21 2.87	5.42
08 51 23 00-0004 SF Industrial Steel Window, Fixed Sash For Heavy Commercial Grade (HC-40), Add For Non Stock Custom Sizes, Add For Double Glazing Sash, Add For Bonderized Finish, Add For Installation In Concrete Or Masonry, Add	46.23 18.09 3.72 22.86 14.13 2.74	5.42
08 51 23 00-0005 SF Industrial Steel Window, Operable Security Sash..... For Heavy Commercial Grade (HC-40), Add For Non Stock Custom Sizes, Add For Double Glazing Sash, Add For Bonderized Finish, Add For Installation In Concrete Or Masonry, Add	74.12 30.64 6.51 39.59 24.73 3.44	5.42
08 51 23 00-0006 SF Industrial Steel Window, Fixed Security Sash..... For Heavy Commercial Grade (HC-40), Add For Non Stock Custom Sizes, Add For Double Glazing Sash, Add For Bonderized Finish, Add For Installation In Concrete Or Masonry, Add	63.18 25.72 5.41 33.03 20.57 3.16	5.42
08 51 23 00-0007 Projected Sash (08 51 23 00-0001)		
08 51 23 00-0008 SF Commercial Projected Sash Window - 40% Vented Steel..... For Heavy Commercial Grade (HC-40), Add For Non Stock Custom Sizes, Add For Double Glazing Sash, Add For Bonderized Finish, Add For Installation In Concrete Or Masonry, Add	59.85 24.22 5.08 31.03 19.31 3.08	5.42
08 51 23 00-0009 SF Intermediate Projected Sash Window - 40% Vented Steel..... For Heavy Commercial Grade (HC-40), Add For Non Stock Custom Sizes, Add For Double Glazing Sash, Add For Bonderized Finish, Add For Installation In Concrete Or Masonry, Add	65.86 26.93 5.68 34.63 21.59 3.23	5.42
08 51 23 00-0010 Other Type Sash (08 51 23 00-0001)		
08 51 23 00-0011 SF Double Hung Steel Window Sash For Heavy Commercial Grade (HC-40), Add For Non Stock Custom Sizes, Add For Double Glazing Sash, Add For Bonderized Finish, Add For Installation In Concrete Or Masonry, Add	76.48 31.70 6.74 41.01 25.63 3.49	5.42
08 51 23 00-0012 SF Steel Picture Window Sash..... For Heavy Commercial Grade (HC-40), Add For Non Stock Custom Sizes, Add For Double Glazing Sash, Add For Bonderized Finish, Add For Installation In Concrete Or Masonry, Add	33.66 12.44 2.46 15.31 9.36 2.42	5.42
08 51 23 00-0013 SF Fire Rated Double Hung Steel Window Sash For Heavy Commercial Grade (HC-40), Add For Non Stock Custom Sizes, Add For Double Glazing Sash, Add For Bonderized Finish, Add For Installation In Concrete Or Masonry, Add	78.85 32.77 6.98 42.43 26.53 3.55	6.78
08 51 23 00-0014 SF Single Hung Steel Window Sash For Heavy Commercial Grade (HC-40), Add For Non Stock Custom Sizes, Add For Double Glazing Sash, Add For Bonderized Finish, Add For Installation In Concrete Or Masonry, Add	54.82 21.82 4.55 27.83 17.28 2.95	5.42
08 51 23 00-0015 Casements (08 51 23 00-0001)		

08 Openings**08 50 Windows****08 51 Metal Windows**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 51 23 00-0016	SF		Steel Window Casements, 100% Vented Operable, Factory Primed.....	68.71	2.72
			<i>For Double Glazing Sash, Add</i>	36.34	
			<i>For Bonderized Finish, Add</i>	22.67	
			<i>For Heavy Commercial Grade (HC-40), Add</i>	28.21	
			<i>For Non Stock Custom Sizes, Add</i>	5.97	
			<i>For Installation In Concrete Or Masonry, Add</i>	3.30	
08 51 23 00-0017	SF		Steel Window Casements, 50% Vented Operable, Factory Primed.....	59.61	2.72
			<i>For Double Glazing Sash, Add</i>	30.88	
			<i>For Bonderized Finish, Add</i>	19.22	
			<i>For Heavy Commercial Grade (HC-40), Add</i>	24.11	
			<i>For Non Stock Custom Sizes, Add</i>	5.06	
			<i>For Installation In Concrete Or Masonry, Add</i>	3.07	
08 51 23 00-0018	SF		Steel Window Casements, Fixed Sash, Factory Primed.....	42.46	4.07
			<i>For Double Glazing Sash, Add</i>	20.59	
			<i>For Bonderized Finish, Add</i>	12.70	
			<i>For Heavy Commercial Grade (HC-40), Add</i>	16.40	
			<i>For Non Stock Custom Sizes, Add</i>	3.34	
			<i>For Installation In Concrete Or Masonry, Add</i>	2.64	
08 51 23 00-0019			Mullions (08 51 23 00-0001)		
08 51 23 00-0020	LF		Open Faced Steel Mullion.....	25.54	4.07
08 51 23 00-0021	LF		Covered Steel Mullions.....	42.73	4.07
08 51 23 00-0022			Removal And Reinstallation Of Metal Window And Frame (08 51 23)		
			Note: Steel or aluminum frame. Includes storage, cleaning and supply materials, caulk and sealants.		
08 51 23 00-0023	SF		Removal And Reinstallation Of Metal Window And Frame.....	14.09	
08 51 69			Metal Storm Windows (08 51)		
08 51 69 00-0001			Storm Windows (08 51 69)		
08 51 69 00-0002	SF		Double Hung, Aluminum, Combination Storm And Screen.....	14.93	2.72
			<i>For Installation In Concrete Or Masonry, Add</i>	1.01	
08 52			Wood Windows (08 50)		
08 52 16			Plastic-Clad Wood Windows (08 52)		
08 52 16 00-0001			Double Hung Wood Clad Windows (08 52 16)		
08 52 16 00-0002			Double Hung Wood Clad Windows (Andersen 200 TW Series) (08 52 16 00-0001)		
			Note: Includes painted or stained wood interior, colored PVC clad exterior, standard hardware and clear insulated glass. Excludes grilles and insect screens.		
08 52 16 00-0003			35-1/2" Height, Double Hung Wood Clad Windows (Andersen 200 TW Series) (08 52 16 00-0002)		
08 52 16 00-0004	EA		23-1/2" x 35-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series).....	243.14	41.59
			<i>For Low-E Insulated Glass, Add</i>	19.19	
			<i>For Tempered Clear Insulated Glass, Add</i>	31.99	
08 52 16 00-0005	EA		27-1/2" x 35-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series).....	257.14	43.41
			<i>For Low-E Insulated Glass, Add</i>	20.44	
			<i>For Tempered Clear Insulated Glass, Add</i>	34.07	
08 52 16 00-0006	EA		31-1/2" x 35-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series).....	270.27	45.22
			<i>For Low-E Insulated Glass, Add</i>	21.58	
			<i>For Tempered Clear Insulated Glass, Add</i>	35.97	
08 52 16 00-0007	EA		35-1/2" x 35-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series).....	283.39	47.03
			<i>For Low-E Insulated Glass, Add</i>	22.72	
			<i>For Tempered Clear Insulated Glass, Add</i>	37.87	
08 52 16 00-0008			41-1/2" Height, Double Hung Wood Clad Windows (Andersen 200 TW Series) (08 52 16 00-0002)		
08 52 16 00-0009	EA		23-1/2" x 41-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series).....	263.27	44.31
			<i>For Low-E Insulated Glass, Add</i>	20.96	
			<i>For Tempered Clear Insulated Glass, Add</i>	34.93	
08 52 16 00-0010	EA		27-1/2" x 41-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series).....	277.25	46.12
			<i>For Low-E Insulated Glass, Add</i>	22.20	
			<i>For Tempered Clear Insulated Glass, Add</i>	37.00	
08 52 16 00-0011	EA		31-1/2" x 41-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series).....	290.39	47.92
			<i>For Low-E Insulated Glass, Add</i>	23.34	
			<i>For Tempered Clear Insulated Glass, Add</i>	38.91	
08 52 16 00-0012	EA		35-1/2" x 41-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series).....	303.52	49.73
			<i>For Low-E Insulated Glass, Add</i>	24.49	
			<i>For Tempered Clear Insulated Glass, Add</i>	40.81	
08 52 16 00-0013			47-1/2" Height, Double Hung Wood Clad Windows (Andersen 200 TW Series) (08 52 16 00-0002)		



Openings	08	08
Windows	08 50	
Wood Windows	08 52	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0014	EA		23-1/2" x 47-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series).....	283.39	47.03
			<i>For Low-E Insulated Glass, Add</i>	22.72	
			<i>For Tempered Clear Insulated Glass, Add</i>	37.87	
08 52 16 00-0015	EA		27-1/2" x 47-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series).....	296.52	48.83
			<i>For Low-E Insulated Glass, Add</i>	23.86	
			<i>For Tempered Clear Insulated Glass, Add</i>	39.77	
08 52 16 00-0016	EA		31-1/2" x 47-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series).....	310.51	50.64
			<i>For Low-E Insulated Glass, Add</i>	25.11	
			<i>For Tempered Clear Insulated Glass, Add</i>	41.85	
08 52 16 00-0017	EA		35-1/2" x 47-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series).....	323.64	52.45
			<i>For Low-E Insulated Glass, Add</i>	26.25	
			<i>For Tempered Clear Insulated Glass, Add</i>	43.75	
08 52 16 00-0018			53-1/2" Height, Double Hung Wood Clad Windows (Andersen 200 TW Series) <small>(08 52 16 00-0002)</small>		
08 52 16 00-0019	EA		23-1/2" x 53-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series).....	303.52	49.73
			<i>For Low-E Insulated Glass, Add</i>	24.49	
			<i>For Tempered Clear Insulated Glass, Add</i>	40.81	
08 52 16 00-0020	EA		27-1/2" x 53-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series).....	316.65	51.54
			<i>For Low-E Insulated Glass, Add</i>	25.63	
			<i>For Tempered Clear Insulated Glass, Add</i>	42.71	
08 52 16 00-0021	EA		31-1/2" x 53-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series).....	329.78	53.35
			<i>For Low-E Insulated Glass, Add</i>	26.77	
			<i>For Tempered Clear Insulated Glass, Add</i>	44.61	
08 52 16 00-0022	EA		35-1/2" x 53-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series).....	343.76	55.16
			<i>For Low-E Insulated Glass, Add</i>	28.01	
			<i>For Tempered Clear Insulated Glass, Add</i>	46.69	
08 52 16 00-0023			56-1/2" Height, Double Hung Wood Clad Windows (Andersen 200 TW Series) <small>(08 52 16 00-0002)</small>		
08 52 16 00-0024	EA		19-1/2" x 56-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series).....	300.02	49.73
			<i>For Low-E Insulated Glass, Add</i>	24.17	
			<i>For Tempered Clear Insulated Glass, Add</i>	40.29	
08 52 16 00-0025	EA		23-1/2" x 56-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series).....	313.14	51.09
			<i>For Low-E Insulated Glass, Add</i>	25.32	
			<i>For Tempered Clear Insulated Glass, Add</i>	42.19	
08 52 16 00-0026	EA		27-1/2" x 56-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series).....	327.14	53.35
			<i>For Low-E Insulated Glass, Add</i>	26.56	
			<i>For Tempered Clear Insulated Glass, Add</i>	44.27	
08 52 16 00-0027	EA		31-1/2" x 56-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series).....	340.26	55.16
			<i>For Low-E Insulated Glass, Add</i>	27.70	
			<i>For Tempered Clear Insulated Glass, Add</i>	46.17	
08 52 16 00-0028	EA		35-1/2" x 56-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series).....	353.40	56.97
			<i>For Low-E Insulated Glass, Add</i>	28.84	
			<i>For Tempered Clear Insulated Glass, Add</i>	48.07	
08 52 16 00-0029	EA		39-1/2" x 56-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series).....	366.52	58.78
			<i>For Low-E Insulated Glass, Add</i>	29.98	
			<i>For Tempered Clear Insulated Glass, Add</i>	49.97	
08 52 16 00-0030			59-1/2" Height, Double Hung Wood Clad Windows (Andersen 200 TW Series) <small>(08 52 16 00-0002)</small>		
08 52 16 00-0031	EA		19-1/2" x 59-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series).....	310.51	50.64
			<i>For Low-E Insulated Glass, Add</i>	25.11	
			<i>For Tempered Clear Insulated Glass, Add</i>	41.85	
08 52 16 00-0032	EA		23-1/2" x 59-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series).....	323.64	52.45
			<i>For Low-E Insulated Glass, Add</i>	26.25	
			<i>For Tempered Clear Insulated Glass, Add</i>	43.75	
08 52 16 00-0033	EA		27-1/2" x 59-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series).....	336.76	54.26
			<i>For Low-E Insulated Glass, Add</i>	27.39	
			<i>For Tempered Clear Insulated Glass, Add</i>	45.65	
08 52 16 00-0034	EA		31-1/2" x 59-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series).....	349.89	56.07
			<i>For Low-E Insulated Glass, Add</i>	28.53	
			<i>For Tempered Clear Insulated Glass, Add</i>	47.55	
08 52 16 00-0035	EA		35-1/2" x 59-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series).....	363.03	57.87
			<i>For Low-E Insulated Glass, Add</i>	29.67	
			<i>For Tempered Clear Insulated Glass, Add</i>	49.46	
08 52 16 00-0036	EA		39-1/2" x 59-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series).....	377.01	59.68
			<i>For Low-E Insulated Glass, Add</i>	30.92	
			<i>For Tempered Clear Insulated Glass, Add</i>	51.53	
08 52 16 00-0037			65-1/2" Height, Double Hung Wood Clad Windows (Andersen 200 TW Series) <small>(08 52 16 00-0002)</small>		
08 52 16 00-0038	EA		23-1/2" x 65-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series).....	343.76	55.16
			<i>For Low-E Insulated Glass, Add</i>	28.01	
			<i>For Tempered Clear Insulated Glass, Add</i>	46.69	
08 52 16 00-0039	EA		27-1/2" x 65-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series).....	356.89	56.97
			<i>For Low-E Insulated Glass, Add</i>	29.15	
			<i>For Tempered Clear Insulated Glass, Add</i>	48.59	

08 Openings**08 50 Windows****08 52 Wood Windows**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0040	EA		31-1/2" x 65-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series).....	370.01	58.78
			<i>For Low-E Insulated Glass, Add</i>	30.30	
			<i>For Tempered Clear Insulated Glass, Add</i>	50.49	
08 52 16 00-0041	EA		35-1/2" x 65-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series).....	383.14	60.59
			<i>For Low-E Insulated Glass, Add</i>	31.44	
			<i>For Tempered Clear Insulated Glass, Add</i>	52.39	
08 52 16 00-0042			71-1/2" Height, Double Hung Wood Clad Windows (Andersen 200 TW Series) (08 52 16 00-0002)		
08 52 16 00-0043	EA		23-1/2" x 71-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series).....	363.03	57.87
			<i>For Low-E Insulated Glass, Add</i>	29.67	
			<i>For Tempered Clear Insulated Glass, Add</i>	49.46	
08 52 16 00-0044	EA		27-1/2" x 71-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series).....	377.01	59.68
			<i>For Low-E Insulated Glass, Add</i>	30.92	
			<i>For Tempered Clear Insulated Glass, Add</i>	51.53	
08 52 16 00-0045	EA		31-1/2" x 71-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series).....	390.14	61.49
			<i>For Low-E Insulated Glass, Add</i>	32.06	
			<i>For Tempered Clear Insulated Glass, Add</i>	53.43	
08 52 16 00-0046	EA		35-1/2" x 71-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series).....	403.27	63.30
			<i>For Low-E Insulated Glass, Add</i>	33.20	
			<i>For Tempered Clear Insulated Glass, Add</i>	55.33	
08 52 16 00-0047			Double Hung Wood Clad Windows (Andersen 400 TW Series) (08 52 16 00-0001)		
			Note: Includes painted or stained wood interior, colored PVC clad exterior, standard hardware and Low-E insulated glass. Excludes grilles and insect screens.		
08 52 16 00-0048			36-7/8" Height, Double Hung Wood Clad Windows (Andersen 400 TW Series) (08 52 16 00-0047)		
08 52 16 00-0049	EA		21-5/8" x 36-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	294.11	41.59
			<i>For Tempered Low-E Insulated Glass, Add</i>	42.37	
08 52 16 00-0050	EA		25-5/8" x 36-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	311.57	42.95
			<i>For Tempered Low-E Insulated Glass, Add</i>	45.13	
08 52 16 00-0051	EA		29-5/8" x 36-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	329.89	44.76
			<i>For Tempered Low-E Insulated Glass, Add</i>	48.07	
08 52 16 00-0052	EA		31-5/8" x 36-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	339.47	46.12
			<i>For Tempered Low-E Insulated Glass, Add</i>	49.63	
08 52 16 00-0053	EA		33-5/8" x 36-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	348.20	47.03
			<i>For Tempered Low-E Insulated Glass, Add</i>	51.01	
08 52 16 00-0054	EA		35-5/8" x 36-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	356.92	47.92
			<i>For Tempered Low-E Insulated Glass, Add</i>	52.39	
08 52 16 00-0055	EA		37-5/8" x 36-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	366.52	48.37
			<i>For Tempered Low-E Insulated Glass, Add</i>	53.95	
08 52 16 00-0056	EA		41-5/8" x 36-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	383.96	50.19
			<i>For Tempered Low-E Insulated Glass, Add</i>	56.72	
08 52 16 00-0057	EA		45-5/8" x 36-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	402.28	52.00
			<i>For Tempered Low-E Insulated Glass, Add</i>	59.66	
08 52 16 00-0058			40-7/8" Height, Double Hung Wood Clad Windows (Andersen 400 TW Series) (08 52 16 00-0047)		
08 52 16 00-0059	EA		21-5/8" x 40-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	311.57	43.41
			<i>For Tempered Low-E Insulated Glass, Add</i>	45.13	
08 52 16 00-0060	EA		25-5/8" x 40-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	329.89	44.76
			<i>For Tempered Low-E Insulated Glass, Add</i>	48.07	
08 52 16 00-0061	EA		29-5/8" x 40-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	348.20	46.57
			<i>For Tempered Low-E Insulated Glass, Add</i>	51.01	
08 52 16 00-0062	EA		31-5/8" x 40-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	356.92	47.92
			<i>For Tempered Low-E Insulated Glass, Add</i>	52.39	
08 52 16 00-0063	EA		33-5/8" x 40-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	366.52	48.83
			<i>For Tempered Low-E Insulated Glass, Add</i>	53.95	
08 52 16 00-0064	EA		35-5/8" x 40-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	375.24	49.73
			<i>For Tempered Low-E Insulated Glass, Add</i>	55.33	
08 52 16 00-0065	EA		37-5/8" x 40-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	383.96	50.19
			<i>For Tempered Low-E Insulated Glass, Add</i>	56.72	
08 52 16 00-0066	EA		41-5/8" x 40-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	402.28	52.00
			<i>For Tempered Low-E Insulated Glass, Add</i>	59.66	
08 52 16 00-0067	EA		45-5/8" x 40-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	420.60	53.81
			<i>For Tempered Low-E Insulated Glass, Add</i>	62.60	
08 52 16 00-0068			44-7/8" Height, Double Hung Wood Clad Windows (Andersen 400 TW Series) (08 52 16 00-0047)		
08 52 16 00-0069	EA		21-5/8" x 44-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	329.89	45.22
			<i>For Tempered Low-E Insulated Glass, Add</i>	48.07	
08 52 16 00-0070	EA		25-5/8" x 44-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	348.20	46.57
			<i>For Tempered Low-E Insulated Glass, Add</i>	51.01	
08 52 16 00-0071	EA		29-5/8" x 44-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	366.52	48.37
			<i>For Tempered Low-E Insulated Glass, Add</i>	53.95	
08 52 16 00-0072	EA		31-5/8" x 44-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	375.24	49.73
			<i>For Tempered Low-E Insulated Glass, Add</i>	55.33	



Openings	08	08
Windows	08 50	
Wood Windows	08 52	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0073	EA		33-5/8" x 44-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	383.96 56.72	50.64
08 52 16 00-0074	EA		35-5/8" x 44-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	393.55 58.27	51.54
08 52 16 00-0075	EA		37-5/8" x 44-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	402.28 59.66	52.00
08 52 16 00-0076	EA		41-5/8" x 44-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	420.60 62.60	53.81
08 52 16 00-0077	EA		45-5/8" x 44-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	438.90 65.54	55.62
08 52 16 00-0078			48-7/8" Height, Double Hung Wood Clad Windows (Andersen 400 TW Series) <small>(08 52 16 00-0047)</small>		
08 52 16 00-0079	EA		21-5/8" x 48-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	348.20 51.01	47.03
08 52 16 00-0080	EA		25-5/8" x 48-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	366.52 53.95	48.37
08 52 16 00-0081	EA		29-5/8" x 48-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	383.96 56.72	50.19
08 52 16 00-0082	EA		31-5/8" x 48-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	393.55 58.27	51.54
08 52 16 00-0083	EA		33-5/8" x 48-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	402.28 59.66	52.45
08 52 16 00-0084	EA		35-5/8" x 48-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	411.00 61.04	53.35
08 52 16 00-0085	EA		37-5/8" x 48-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	420.60 62.60	53.81
08 52 16 00-0086	EA		41-5/8" x 48-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	438.90 65.54	55.62
08 52 16 00-0087	EA		45-5/8" x 48-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	456.37 68.30	57.42
08 52 16 00-0088			52-7/8" Height, Double Hung Wood Clad Windows (Andersen 400 TW Series) <small>(08 52 16 00-0047)</small>		
08 52 16 00-0089	EA		21-5/8" x 52-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	366.52 53.95	48.83
08 52 16 00-0090	EA		25-5/8" x 52-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	383.96 56.72	50.19
08 52 16 00-0091	EA		29-5/8" x 52-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	402.28 59.66	52.00
08 52 16 00-0092	EA		31-5/8" x 52-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	411.00 61.04	53.35
08 52 16 00-0093	EA		33-5/8" x 52-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	420.60 62.60	54.26
08 52 16 00-0094	EA		35-5/8" x 52-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	429.31 63.98	55.16
08 52 16 00-0095	EA		37-5/8" x 52-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	438.90 65.54	55.62
08 52 16 00-0096	EA		41-5/8" x 52-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	456.37 68.30	57.42
08 52 16 00-0097	EA		45-5/8" x 52-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	474.68 71.24	59.23
08 52 16 00-0098			56-7/8" Height, Double Hung Wood Clad Windows (Andersen 400 TW Series) <small>(08 52 16 00-0047)</small>		
08 52 16 00-0099	EA		21-5/8" x 56-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	383.96 56.72	50.64
08 52 16 00-0100	EA		25-5/8" x 56-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	402.28 59.66	52.00
08 52 16 00-0101	EA		29-5/8" x 56-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	420.60 62.60	53.81
08 52 16 00-0102	EA		31-5/8" x 56-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	429.31 63.98	55.16
08 52 16 00-0103	EA		33-5/8" x 56-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	438.90 65.54	56.07
08 52 16 00-0104	EA		35-5/8" x 56-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	447.64 66.92	56.97
08 52 16 00-0105	EA		37-5/8" x 56-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	456.37 68.30	57.42
08 52 16 00-0106	EA		41-5/8" x 56-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	474.68 71.24	59.23
08 52 16 00-0107	EA		45-5/8" x 56-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	492.99 74.18	61.04
08 52 16 00-0108			60-7/8" Height, Double Hung Wood Clad Windows (Andersen 400 TW Series) <small>(08 52 16 00-0047)</small>		
08 52 16 00-0109	EA		21-5/8" x 60-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	402.28 59.66	52.45

08 Openings**08 50 Windows****08 52 Wood Windows**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0110	EA		25-5/8" x 60-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	420.60	53.81
			<i>For Tempered Low-E Insulated Glass, Add</i>	62.60	
08 52 16 00-0111	EA		29-5/8" x 60-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	438.90	55.62
			<i>For Tempered Low-E Insulated Glass, Add</i>	65.54	
08 52 16 00-0112	EA		31-5/8" x 60-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	447.64	56.97
			<i>For Tempered Low-E Insulated Glass, Add</i>	66.92	
08 52 16 00-0113	EA		33-5/8" x 60-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	456.37	57.87
			<i>For Tempered Low-E Insulated Glass, Add</i>	68.30	
08 52 16 00-0114	EA		35-5/8" x 60-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	465.95	58.78
			<i>For Tempered Low-E Insulated Glass, Add</i>	69.86	
08 52 16 00-0115	EA		37-5/8" x 60-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	474.68	59.23
			<i>For Tempered Low-E Insulated Glass, Add</i>	71.24	
08 52 16 00-0116	EA		41-5/8" x 60-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	492.99	61.04
			<i>For Tempered Low-E Insulated Glass, Add</i>	74.18	
08 52 16 00-0117	EA		45-5/8" x 60-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	510.44	62.85
			<i>For Tempered Low-E Insulated Glass, Add</i>	76.95	
08 52 16 00-0118			64-7/8" Height, Double Hung Wood Clad Windows (Andersen 400 TW Series) <small>(08 52 16 00-0047)</small>		
08 52 16 00-0119	EA		21-5/8" x 64-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	420.60	54.26
			<i>For Tempered Low-E Insulated Glass, Add</i>	62.60	
08 52 16 00-0120	EA		25-5/8" x 64-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	438.90	55.62
			<i>For Tempered Low-E Insulated Glass, Add</i>	65.54	
08 52 16 00-0121	EA		29-5/8" x 64-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	456.37	57.42
			<i>For Tempered Low-E Insulated Glass, Add</i>	68.30	
08 52 16 00-0122	EA		31-5/8" x 64-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	465.95	58.78
			<i>For Tempered Low-E Insulated Glass, Add</i>	69.86	
08 52 16 00-0123	EA		33-5/8" x 64-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	474.68	59.68
			<i>For Tempered Low-E Insulated Glass, Add</i>	71.24	
08 52 16 00-0124	EA		35-5/8" x 64-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	483.40	60.59
			<i>For Tempered Low-E Insulated Glass, Add</i>	72.63	
08 52 16 00-0125	EA		37-5/8" x 64-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	492.99	61.04
			<i>For Tempered Low-E Insulated Glass, Add</i>	74.18	
08 52 16 00-0126	EA		41-5/8" x 64-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	510.44	62.85
			<i>For Tempered Low-E Insulated Glass, Add</i>	76.95	
08 52 16 00-0127	EA		45-5/8" x 64-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	528.76	64.66
			<i>For Tempered Low-E Insulated Glass, Add</i>	79.89	
08 52 16 00-0128			68-7/8" Height, Double Hung Wood Clad Windows (Andersen 400 TW Series) <small>(08 52 16 00-0047)</small>		
08 52 16 00-0129	EA		21-5/8" x 68-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	438.90	56.07
			<i>For Tempered Low-E Insulated Glass, Add</i>	65.54	
08 52 16 00-0130	EA		25-5/8" x 68-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	456.37	57.42
			<i>For Tempered Low-E Insulated Glass, Add</i>	68.30	
08 52 16 00-0131	EA		29-5/8" x 68-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	474.68	59.23
			<i>For Tempered Low-E Insulated Glass, Add</i>	71.24	
08 52 16 00-0132	EA		31-5/8" x 68-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	483.40	60.59
			<i>For Tempered Low-E Insulated Glass, Add</i>	72.63	
08 52 16 00-0133	EA		33-5/8" x 68-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	492.99	61.49
			<i>For Tempered Low-E Insulated Glass, Add</i>	74.18	
08 52 16 00-0134	EA		35-5/8" x 68-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	501.72	62.40
			<i>For Tempered Low-E Insulated Glass, Add</i>	75.57	
08 52 16 00-0135	EA		37-5/8" x 68-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	510.44	62.85
			<i>For Tempered Low-E Insulated Glass, Add</i>	76.95	
08 52 16 00-0136	EA		41-5/8" x 68-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	528.76	64.66
			<i>For Tempered Low-E Insulated Glass, Add</i>	79.89	
08 52 16 00-0137	EA		45-5/8" x 68-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	547.07	66.46
			<i>For Tempered Low-E Insulated Glass, Add</i>	82.83	
08 52 16 00-0138			72-7/8" Height, Double Hung Wood Clad Windows (Andersen 400 TW Series) <small>(08 52 16 00-0047)</small>		
08 52 16 00-0139	EA		21-5/8" x 72-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	456.37	57.87
			<i>For Tempered Low-E Insulated Glass, Add</i>	68.30	
08 52 16 00-0140	EA		25-5/8" x 72-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	474.68	59.23
			<i>For Tempered Low-E Insulated Glass, Add</i>	71.24	
08 52 16 00-0141	EA		29-5/8" x 72-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	492.99	61.04
			<i>For Tempered Low-E Insulated Glass, Add</i>	74.18	
08 52 16 00-0142	EA		31-5/8" x 72-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	501.72	62.40
			<i>For Tempered Low-E Insulated Glass, Add</i>	75.57	
08 52 16 00-0143	EA		33-5/8" x 72-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	510.44	63.30
			<i>For Tempered Low-E Insulated Glass, Add</i>	76.95	
08 52 16 00-0144	EA		35-5/8" x 72-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	520.03	64.21
			<i>For Tempered Low-E Insulated Glass, Add</i>	78.51	
08 52 16 00-0145	EA		37-5/8" x 72-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	528.76	64.66
			<i>For Tempered Low-E Insulated Glass, Add</i>	79.89	
08 52 16 00-0146	EA		41-5/8" x 72-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	547.07	66.46
			<i>For Tempered Low-E Insulated Glass, Add</i>	82.83	
08 52 16 00-0147	EA		45-5/8" x 72-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	565.38	68.27
			<i>For Tempered Low-E Insulated Glass, Add</i>	85.77	



Openings	08	08
Windows	08 50	
Wood Windows	08 52	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0148 76-7/8" Height, Double Hung Wood Clad Windows (Andersen 400 TW Series) (08 52 16 00-0047)		
08 52 16 00-0149 EA 21-5/8" x 76-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	474.68	59.68
For Tempered Low-E Insulated Glass, Add	71.24	
08 52 16 00-0150 EA 25-5/8" x 76-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	492.99	61.04
For Tempered Low-E Insulated Glass, Add	74.18	
08 52 16 00-0151 EA 29-5/8" x 76-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	510.44	62.85
For Tempered Low-E Insulated Glass, Add	76.95	
08 52 16 00-0152 EA 31-5/8" x 76-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	520.03	64.21
For Tempered Low-E Insulated Glass, Add	78.51	
08 52 16 00-0153 EA 33-5/8" x 76-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	528.76	65.10
For Tempered Low-E Insulated Glass, Add	79.89	
08 52 16 00-0154 EA 35-5/8" x 76-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	538.35	66.01
For Tempered Low-E Insulated Glass, Add	81.45	
08 52 16 00-0155 EA 37-5/8" x 76-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	547.07	66.46
For Tempered Low-E Insulated Glass, Add	82.83	
08 52 16 00-0156 EA 41-5/8" x 76-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	565.38	68.27
For Tempered Low-E Insulated Glass, Add	85.77	
08 52 16 00-0157 EA 45-5/8" x 76-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	582.85	70.08
For Tempered Low-E Insulated Glass, Add	88.54	
08 52 16 00-0158 84-7/8" Height, Double Hung Wood Clad Windows (Andersen 400 TW Series) (08 52 16 00-0047)		
08 52 16 00-0159 EA 21-5/8" x 84-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	716.21	63.30
For Tempered Low-E Insulated Glass, Add	118.10	
08 52 16 00-0160 EA 25-5/8" x 84-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	741.45	64.66
For Tempered Low-E Insulated Glass, Add	122.43	
08 52 16 00-0161 EA 29-5/8" x 84-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	766.68	66.46
For Tempered Low-E Insulated Glass, Add	126.75	
08 52 16 00-0162 EA 31-5/8" x 84-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	778.86	67.82
For Tempered Low-E Insulated Glass, Add	128.83	
08 52 16 00-0163 EA 33-5/8" x 84-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	791.91	68.72
For Tempered Low-E Insulated Glass, Add	131.07	
08 52 16 00-0164 EA 35-5/8" x 84-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	804.09	69.63
For Tempered Low-E Insulated Glass, Add	133.15	
08 52 16 00-0165 EA 37-5/8" x 84-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	816.29	70.08
For Tempered Low-E Insulated Glass, Add	135.22	
08 52 16 00-0166 EA 41-5/8" x 84-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	841.51	71.89
For Tempered Low-E Insulated Glass, Add	139.55	
08 52 16 00-0167 EA 45-5/8" x 84-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	866.75	73.69
For Tempered Low-E Insulated Glass, Add	143.87	
08 52 16 00-0168 88-7/8" Height, Double Hung Wood Clad Windows (Andersen 400 TW Series) (08 52 16 00-0047)		
08 52 16 00-0169 EA 21-5/8" x 88-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	741.45	65.10
For Tempered Low-E Insulated Glass, Add	122.43	
08 52 16 00-0170 EA 25-5/8" x 88-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	766.68	66.46
For Tempered Low-E Insulated Glass, Add	126.75	
08 52 16 00-0171 EA 29-5/8" x 88-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	791.91	68.27
For Tempered Low-E Insulated Glass, Add	131.07	
08 52 16 00-0172 EA 31-5/8" x 88-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	804.09	69.63
For Tempered Low-E Insulated Glass, Add	133.15	
08 52 16 00-0173 EA 33-5/8" x 88-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	816.29	70.54
For Tempered Low-E Insulated Glass, Add	135.22	
08 52 16 00-0174 EA 35-5/8" x 88-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	829.34	71.44
For Tempered Low-E Insulated Glass, Add	137.47	
08 52 16 00-0175 EA 37-5/8" x 88-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	841.51	71.89
For Tempered Low-E Insulated Glass, Add	139.55	
08 52 16 00-0176 EA 41-5/8" x 88-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	866.75	73.69
For Tempered Low-E Insulated Glass, Add	143.87	
08 52 16 00-0177 EA 45-5/8" x 88-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	891.97	75.50
For Tempered Low-E Insulated Glass, Add	148.19	
08 52 16 00-0178 Casement Wood Clad Windows (08 52 16)		
08 52 16 00-0179 Casement Wood Clad Windows (Andersen 200 Series) (08 52 16 00-0178)		
Note: Includes painted or stained wood interior, colored PVC clad exterior, standard hardware and clear insulated glass. Excludes grilles and insect screens.		
08 52 16 00-0180 One Operating Sash, Casement Wood Clad Windows (Andersen 200 Series) (08 52 16 00-0179)		
08 52 16 00-0181 24-1/8" Height, One Operating Sash, Casement Wood Clad Windows (Andersen 200 Series) (08 52 16 00-0180)		
08 52 16 00-0182 EA 17" x 24-1/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	198.87	34.36
For Tempered Clear Insulated Glass, Add	26.21	
08 52 16 00-0183 EA 20-1/2" x 24-1/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	209.72	35.27
For Tempered Clear Insulated Glass, Add	27.84	

08 Openings**08 50 Windows****08 52 Wood Windows**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0184	EA		24-1/8" x 24-1/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	222.14	37.08
			<i>For Tempered Clear Insulated Glass, Add</i>	29.60	
08 52 16 00-0185	EA		28-3/8" x 24-1/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	233.74	38.88
			<i>For Tempered Clear Insulated Glass, Add</i>	31.19	
08 52 16 00-0186			28-3/8" Height, One Operating Sash, Casement Wood Clad Windows		
			(Andersen 200 Series) <small>(08 52 16 00-0180)</small>		
08 52 16 00-0187	EA		17" x 28-3/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	212.65	36.17
			<i>For Tempered Clear Insulated Glass, Add</i>	28.24	
08 52 16 00-0188	EA		20-1/2" x 28-3/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	223.50	37.08
			<i>For Tempered Clear Insulated Glass, Add</i>	29.87	
08 52 16 00-0189	EA		24-1/8" x 28-3/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	235.92	38.88
			<i>For Tempered Clear Insulated Glass, Add</i>	31.63	
08 52 16 00-0190	EA		28-3/8" x 28-3/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	243.03	40.69
			<i>For Tempered Clear Insulated Glass, Add</i>	32.33	
08 52 16 00-0191	EA		31-1/2" x 28-3/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	256.65	42.50
			<i>For Tempered Clear Insulated Glass, Add</i>	34.51	
08 52 16 00-0192			35-15/16" Height, One Operating Sash, Casement Wood Clad Windows		
			(Andersen 200 Series) <small>(08 52 16 00-0180)</small>		
08 52 16 00-0193	EA		17" x 35-15/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	237.28	38.88
			<i>For Tempered Clear Insulated Glass, Add</i>	31.90	
08 52 16 00-0194	EA		20-1/2" x 35-15/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	248.80	40.69
			<i>For Tempered Clear Insulated Glass, Add</i>	33.66	
08 52 16 00-0195	EA		24-1/8" x 35-15/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	261.22	42.05
			<i>For Tempered Clear Insulated Glass, Add</i>	35.42	
08 52 16 00-0196	EA		28-3/8" x 35-15/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	279.75	43.86
			<i>For Tempered Clear Insulated Glass, Add</i>	38.41	
08 52 16 00-0197	EA		31-1/2" x 35-15/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	297.01	45.22
			<i>For Tempered Clear Insulated Glass, Add</i>	41.32	
08 52 16 00-0198	EA		35-15/16" x 35-15/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	313.39	46.12
			<i>For Tempered Clear Insulated Glass, Add</i>	44.23	
08 52 16 00-0199			40-13/16" Height, One Operating Sash, Casement Wood Clad Windows		
			(Andersen 200 Series) <small>(08 52 16 00-0180)</small>		
08 52 16 00-0200	EA		17" x 40-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	253.98	41.59
			<i>For Tempered Clear Insulated Glass, Add</i>	34.34	
08 52 16 00-0201	EA		20-1/2" x 40-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	264.83	42.50
			<i>For Tempered Clear Insulated Glass, Add</i>	35.97	
08 52 16 00-0202	EA		24-1/8" x 40-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	277.26	44.31
			<i>For Tempered Clear Insulated Glass, Add</i>	37.73	
08 52 16 00-0203	EA		28-3/8" x 40-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	303.23	46.12
			<i>For Tempered Clear Insulated Glass, Add</i>	42.20	
08 52 16 00-0204	EA		31-1/2" x 40-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	321.25	47.92
			<i>For Tempered Clear Insulated Glass, Add</i>	45.26	
08 52 16 00-0205	EA		35-15/16" x 40-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	338.71	49.73
			<i>For Tempered Clear Insulated Glass, Add</i>	48.03	
08 52 16 00-0206			48" Height, One Operating Sash, Casement Wood Clad Windows		
			(Andersen 200 Series) <small>(08 52 16 00-0180)</small>		
08 52 16 00-0207	EA		17" x 48", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	278.17	45.22
			<i>For Tempered Clear Insulated Glass, Add</i>	37.73	
08 52 16 00-0208	EA		20-1/2" x 48", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	289.68	46.12
			<i>For Tempered Clear Insulated Glass, Add</i>	39.49	
08 52 16 00-0209	EA		24-1/8" x 48", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	302.11	47.92
			<i>For Tempered Clear Insulated Glass, Add</i>	41.25	
08 52 16 00-0210	EA		28-3/8" x 48", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	337.23	49.73
			<i>For Tempered Clear Insulated Glass, Add</i>	47.55	
08 52 16 00-0211	EA		31-1/2" x 48", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	351.64	51.54
			<i>For Tempered Clear Insulated Glass, Add</i>	49.89	
08 52 16 00-0212	EA		35-15/16" x 48", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	373.04	53.35
			<i>For Tempered Clear Insulated Glass, Add</i>	53.45	
08 52 16 00-0213			52-13/16" Height, One Operating Sash, Casement Wood Clad Windows		
			(Andersen 200 Series) <small>(08 52 16 00-0180)</small>		
08 52 16 00-0214	EA		17" x 52-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	293.98	47.03
			<i>For Tempered Clear Insulated Glass, Add</i>	40.17	
08 52 16 00-0215	EA		20-1/2" x 52-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	304.82	47.92
			<i>For Tempered Clear Insulated Glass, Add</i>	41.79	
08 52 16 00-0216	EA		24-1/8" x 52-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	317.25	49.73
			<i>For Tempered Clear Insulated Glass, Add</i>	43.56	
08 52 16 00-0217	EA		28-3/8" x 52-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	360.16	51.54
			<i>For Tempered Clear Insulated Glass, Add</i>	51.41	
08 52 16 00-0218	EA		31-1/2" x 52-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	380.99	53.35
			<i>For Tempered Clear Insulated Glass, Add</i>	55.04	



Openings	08	08
Windows	08 50	
Wood Windows	08 52	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0219 EA 35-15/16" x 52-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	395.62 57.24	55.16
08 52 16 00-0220 59-7/8" Height, One Operating Sash, Casement Wood Clad Windows (Andersen 200 Series) (08 52 16 00-0180)		
08 52 16 00-0221 EA 17" x 59-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	317.25 43.56	49.73
08 52 16 00-0222 EA 20-1/2" x 59-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	328.77 45.32	51.54
08 52 16 00-0223 EA 24-1/8" x 59-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	341.19 47.08	52.90
08 52 16 00-0224 EA 28-3/8" x 59-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	393.59 56.84	54.71
08 52 16 00-0225 EA 31-1/2" x 59-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	408.76 59.33	56.07
08 52 16 00-0226 EA 35-15/16" x 59-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	429.06 62.66	57.87
08 52 16 00-0227 64-13/16" Height, One Operating Sash, Casement Wood Clad Windows (Andersen 200 Series) (08 52 16 00-0180)		
08 52 16 00-0228 EA 17" x 64-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	333.96 45.99	52.45
08 52 16 00-0229 EA 20-1/2" x 64-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	344.81 47.62	53.35
08 52 16 00-0230 EA 24-1/8" x 64-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	357.23 49.38	55.16
08 52 16 00-0231 EA 28-3/8" x 64-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	417.09 60.63	56.97
08 52 16 00-0232 EA 31-1/2" x 64-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	431.29 62.93	58.78
08 52 16 00-0233 EA 35-15/16" x 64-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	452.55 66.46	60.59
08 52 16 00-0234 71-7/8" Height, One Operating Sash, Casement Wood Clad Windows (Andersen 200 Series) (08 52 16 00-0180)		
08 52 16 00-0235 EA 17" x 71-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	357.23 49.38	55.16
08 52 16 00-0236 EA 20-1/2" x 71-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	368.76 51.14	56.97
08 52 16 00-0237 EA 24-1/8" x 71-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	381.18 52.91	58.32
08 52 16 00-0238 EA 28-3/8" x 71-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	450.52 66.05	60.13
08 52 16 00-0239 EA 31-1/2" x 71-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	467.64 68.93	61.49
08 52 16 00-0240 EA 35-15/16" x 71-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	485.98 71.88	63.30
08 52 16 00-0241 Two Operating Sashes, Casement Wood Clad Windows (Andersen 200 Series) (08 52 16 00-0179)		
08 52 16 00-0242 24-1/8" Height, Two Operating Sashes, Casement Wood Clad Windows (Andersen 200 Series) (08 52 16 00-0241)		
08 52 16 00-0243 EA 40-3/4" x 24-1/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	339.56 50.19	44.31
08 52 16 00-0244 EA 48" x 24-1/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	383.48 57.53	47.92
08 52 16 00-0245 EA 56-1/2" x 24-1/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	433.79 66.14	51.54
08 52 16 00-0246 28-3/8" Height, Two Operating Sashes, Casement Wood Clad Windows (Andersen 200 Series) (08 52 16 00-0241)		
08 52 16 00-0247 EA 40-3/4" x 28-3/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	364.67 54.49	46.12
08 52 16 00-0248 EA 48" x 28-3/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	408.60 61.83	49.73
08 52 16 00-0249 EA 56-1/2" x 28-3/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	458.91 70.44	53.35
08 52 16 00-0250 35-15/16" Height, Two Operating Sashes, Casement Wood Clad Windows (Andersen 200 Series) (08 52 16 00-0241)		
08 52 16 00-0251 EA 33-3/4" x 35-15/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	361.79 53.91	46.12
08 52 16 00-0252 EA 40-3/4" x 35-15/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	406.07 61.50	49.73

08 Openings**08 50 Windows****08 52 Wood Windows**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0253	EA		48" x 35-15/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series).....	452.60	53.35
			<i>For Tempered Clear Insulated Glass, Add</i>	69.36	
08 52 16 00-0254	EA		56-1/2" x 35-15/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series).....	505.91	56.51
			<i>For Tempered Clear Insulated Glass, Add</i>	78.57	
08 52 16 00-0255	EA		62-3/4" x 35-15/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series).....	541.90	59.23
			<i>For Tempered Clear Insulated Glass, Add</i>	84.69	
08 52 16 00-0256	EA		71-5/8" x 35-15/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series).....	601.45	63.30
			<i>For Tempered Clear Insulated Glass, Add</i>	94.97	
08 52 16 00-0257			40-13/16" Height, Two Operating Sashes, Casement Wood Clad Windows (Andersen 200 Series) (08 52 16 00-0241)		
08 52 16 00-0258	EA		33-3/4" x 40-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series).....	392.74	48.37
			<i>For Tempered Clear Insulated Glass, Add</i>	59.20	
08 52 16 00-0259	EA		40-3/4" x 40-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series).....	437.01	51.54
			<i>For Tempered Clear Insulated Glass, Add</i>	66.78	
08 52 16 00-0260	EA		48" x 40-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series).....	483.54	55.16
			<i>For Tempered Clear Insulated Glass, Add</i>	74.64	
08 52 16 00-0261	EA		56-1/2" x 40-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series).....	536.84	58.78
			<i>For Tempered Clear Insulated Glass, Add</i>	83.86	
08 52 16 00-0262	EA		62-3/4" x 40-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series).....	576.44	61.49
			<i>For Tempered Clear Insulated Glass, Add</i>	90.69	
08 52 16 00-0263	EA		71-5/8" x 40-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series).....	736.06	65.56
			<i>For Tempered Clear Insulated Glass, Add</i>	120.99	
08 52 16 00-0264			48" Height, Two Operating Sashes, Casement Wood Clad Windows (Andersen 200 Series) (08 52 16 00-0241)		
08 52 16 00-0265	EA		33-3/4" x 48", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series).....	438.59	52.00
			<i>For Tempered Clear Insulated Glass, Add</i>	66.92	
08 52 16 00-0266	EA		40-3/4" x 48", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series).....	483.54	55.16
			<i>For Tempered Clear Insulated Glass, Add</i>	74.64	
08 52 16 00-0267	EA		48" x 48", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series).....	530.07	58.78
			<i>For Tempered Clear Insulated Glass, Add</i>	82.50	
08 52 16 00-0268	EA		56-1/2" x 48", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series).....	583.38	62.40
			<i>For Tempered Clear Insulated Glass, Add</i>	91.72	
08 52 16 00-0269	EA		62-3/4" x 48", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series).....	621.42	65.10
			<i>For Tempered Clear Insulated Glass, Add</i>	98.24	
08 52 16 00-0270	EA		71-5/8" x 48", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series).....	678.92	69.18
			<i>For Tempered Clear Insulated Glass, Add</i>	108.11	
08 52 16 00-0271			52-13/16" Height, Two Operating Sashes, Casement Wood Clad Windows (Andersen 200 Series) (08 52 16 00-0241)		
08 52 16 00-0272	EA		33-3/4" x 52-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series).....	468.63	53.81
			<i>For Tempered Clear Insulated Glass, Add</i>	72.20	
08 52 16 00-0273	EA		40-3/4" x 52-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series).....	512.91	56.97
			<i>For Tempered Clear Insulated Glass, Add</i>	79.79	
08 52 16 00-0274	EA		48" x 52-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series).....	554.41	60.59
			<i>For Tempered Clear Insulated Glass, Add</i>	86.65	
08 52 16 00-0275	EA		56-1/2" x 52-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series).....	612.75	64.21
			<i>For Tempered Clear Insulated Glass, Add</i>	96.87	
08 52 16 00-0276	EA		62-3/4" x 52-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series).....	652.47	66.91
			<i>For Tempered Clear Insulated Glass, Add</i>	103.73	
08 52 16 00-0277	EA		71-5/8" x 52-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series).....	708.98	70.99
			<i>For Tempered Clear Insulated Glass, Add</i>	113.40	
08 52 16 00-0278			59-7/8" Height, Two Operating Sashes, Casement Wood Clad Windows (Andersen 200 Series) (08 52 16 00-0241)		
08 52 16 00-0279	EA		33-3/4" x 59-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series).....	513.58	56.97
			<i>For Tempered Clear Insulated Glass, Add</i>	79.93	
08 52 16 00-0280	EA		40-3/4" x 59-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series).....	557.86	60.59
			<i>For Tempered Clear Insulated Glass, Add</i>	87.52	
08 52 16 00-0281	EA		48" x 59-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series).....	604.38	64.21
			<i>For Tempered Clear Insulated Glass, Add</i>	95.38	
08 52 16 00-0282	EA		56-1/2" x 59-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series).....	657.69	67.37
			<i>For Tempered Clear Insulated Glass, Add</i>	104.59	
08 52 16 00-0283	EA		62-3/4" x 59-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series).....	697.43	70.08
			<i>For Tempered Clear Insulated Glass, Add</i>	111.45	
08 52 16 00-0284	EA		71-5/8" x 59-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series).....	753.24	74.15
			<i>For Tempered Clear Insulated Glass, Add</i>	120.99	
08 52 16 00-0285			64-13/16" Height, Two Operating Sashes, Casement Wood Clad Windows (Andersen 200 Series) (08 52 16 00-0241)		
08 52 16 00-0286	EA		33-3/4" x 64-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series).....	544.53	59.23
			<i>For Tempered Clear Insulated Glass, Add</i>	85.21	
08 52 16 00-0287	EA		40-3/4" x 64-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series).....	588.80	62.40
			<i>For Tempered Clear Insulated Glass, Add</i>	92.80	



Openings	08	08
Windows	08 50	
Wood Windows	08 52	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0288	EA		48" x 64-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	636.02 100.80	66.01
08 52 16 00-0289	EA		56-1/2" x 64-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	689.32 110.01	69.63
08 52 16 00-0290			71-7/8" Height, Two Operating Sashes, Casement Wood Clad Windows (Andersen 200 Series) (08 52 16 00-0241)		
08 52 16 00-0291	EA		33-3/4" x 71-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	589.48 92.94	62.40
08 52 16 00-0292	EA		40-3/4" x 71-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	633.75 100.53	66.01
08 52 16 00-0293	EA		48" x 71-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	680.28 108.39	69.63
08 52 16 00-0294	EA		56-1/2" x 71-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	733.59 117.60	72.80
08 52 16 00-0295			One Stationary Sash And Two Operating Sashes, Casement Wood Clad Windows (Andersen 200 Series) (08 52 16 00-0179)		
08 52 16 00-0296			24-1/8" Height, One Stationary Sash And Two Operating Sashes, Casement Wood Clad Windows (Andersen 200 Series) (08 52 16 00-0295)		
08 52 16 00-0297	EA		71-7/8" x 24-1/8", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	526.51 81.97	58.32
08 52 16 00-0298	EA		84-5/8" x 24-1/8", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	608.81 96.08	64.21
08 52 16 00-0299			28-3/8" Height, One Stationary Sash And Two Operating Sashes, Casement Wood Clad Windows (Andersen 200 Series) (08 52 16 00-0295)		
08 52 16 00-0300	EA		71-7/8" x 28-3/8", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	556.97 87.34	60.13
08 52 16 00-0301	EA		84-5/8" x 28-3/8", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	634.24 100.44	66.01
08 52 16 00-0302			35-15/16" Height, One Stationary Sash And Two Operating Sashes, Casement Wood Clad Windows (Andersen 200 Series) (08 52 16 00-0295)		
08 52 16 00-0303	EA		61" x 35-15/16", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	536.98 83.89	58.78
08 52 16 00-0304	EA		71-7/8" x 35-15/16", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	602.81 95.24	63.30
08 52 16 00-0305	EA		84-5/8" x 35-15/16", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	684.34 109.20	69.63
08 52 16 00-0306			40-13/16" Height, One Stationary Sash And Two Operating Sashes, Casement Wood Clad Windows (Andersen 200 Series) (08 52 16 00-0295)		
08 52 16 00-0307	EA		61" x 40-13/16", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	566.55 88.89	61.49
08 52 16 00-0308	EA		71-7/8" x 40-13/16", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	634.43 100.66	65.56
08 52 16 00-0309	EA		84-5/8" x 40-13/16", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	715.29 114.48	71.44
08 52 16 00-0310			48" Height, One Stationary Sash And Two Operating Sashes, Casement Wood Clad Windows (Andersen 200 Series) (08 52 16 00-0295)		
08 52 16 00-0311	EA		71-7/8" x 48", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	680.28 108.39	69.18
08 52 16 00-0312	EA		84-5/8" x 48", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	761.15 122.21	75.05
08 52 16 00-0313			52-13/16" Height, One Stationary Sash And Two Operating Sashes, Casement Wood Clad Windows (Andersen 200 Series) (08 52 16 00-0295)		

08 Openings**08 50 Windows****08 52 Wood Windows**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0314 EA 71-7/8" x 52-13/16", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	710.33	70.99
For Tempered Clear Insulated Glass, Add	113.67	
08 52 16 00-0315 EA 84-5/8" x 52-13/16", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	791.18	76.86
For Tempered Clear Insulated Glass, Add	127.49	
08 52 16 00-0316 59-7/8" Height, One Stationary Sash And Two Operating Sashes, Casement Wood Clad Windows (Andersen 200 Series) (08 52 16 00-0295)		
08 52 16 00-0317 EA 71-7/8" x 59-7/8", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	754.59	74.15
For Tempered Clear Insulated Glass, Add	121.26	
08 52 16 00-0318 EA 84-5/8" x 59-7/8", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	836.13	80.48
For Tempered Clear Insulated Glass, Add	135.22	
08 52 16 00-0319 Casement Wood Clad Windows (Andersen 400 Series) (08 52 16 00-0178)		
Note: Includes painted or stained wood interior, colored PVC clad exterior, standard hardware and Low-E insulated glass. Excludes grilles and insect screens.		
08 52 16 00-0320 One Operating Sash, Casement Wood Clad Windows (Andersen 400 Series) (08 52 16 00-0319)		
08 52 16 00-0321 24-1/8" Height, One Operating Sash, Casement Wood Clad Windows (Andersen 400 Series) (08 52 16 00-0320)		
08 52 16 00-0322 EA 17" x 24-1/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	230.38	34.36
For Tempered Low-E Insulated Glass, Add	32.51	
08 52 16 00-0323 EA 20-1/2" x 24-1/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	243.26	35.27
For Tempered Low-E Insulated Glass, Add	34.54	
08 52 16 00-0324 EA 24-1/8" x 24-1/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	257.88	37.08
For Tempered Low-E Insulated Glass, Add	36.75	
08 52 16 00-0325 EA 28-3/8" x 24-1/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	271.48	38.88
For Tempered Low-E Insulated Glass, Add	38.74	
08 52 16 00-0326 28-3/8" Height, One Operating Sash, Casement Wood Clad Windows (Andersen 400 Series) (08 52 16 00-0320)		
08 52 16 00-0327 EA 17" x 28-3/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	246.70	36.17
For Tempered Low-E Insulated Glass, Add	35.05	
08 52 16 00-0328 EA 20-1/2" x 28-3/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	259.57	37.08
For Tempered Low-E Insulated Glass, Add	37.08	
08 52 16 00-0329 EA 24-1/8" x 28-3/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	274.20	38.88
For Tempered Low-E Insulated Glass, Add	39.29	
08 52 16 00-0330 EA 28-3/8" x 28-3/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	282.18	40.69
For Tempered Low-E Insulated Glass, Add	40.16	
08 52 16 00-0331 EA 31-1/2" x 28-3/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	298.53	42.50
For Tempered Low-E Insulated Glass, Add	42.89	
08 52 16 00-0332 35-15/16" Height, One Operating Sash, Casement Wood Clad Windows (Andersen 400 Series) (08 52 16 00-0320)		
08 52 16 00-0333 EA 17" x 35-15/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	275.90	38.88
For Tempered Low-E Insulated Glass, Add	39.63	
08 52 16 00-0334 EA 20-1/2" x 35-15/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	289.62	40.69
For Tempered Low-E Insulated Glass, Add	41.83	
08 52 16 00-0335 EA 24-1/8" x 35-15/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	304.25	42.05
For Tempered Low-E Insulated Glass, Add	44.03	
08 52 16 00-0336 EA 28-3/8" x 35-15/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	326.50	43.86
For Tempered Low-E Insulated Glass, Add	47.76	
08 52 16 00-0337 EA 31-1/2" x 35-15/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	347.39	45.22
For Tempered Low-E Insulated Glass, Add	51.39	
08 52 16 00-0338 EA 35-15/16" x 35-15/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	367.43	46.12
For Tempered Low-E Insulated Glass, Add	55.04	
08 52 16 00-0339 40-13/16" Height, One Operating Sash, Casement Wood Clad Windows (Andersen 400 Series) (08 52 16 00-0320)		
08 52 16 00-0340 EA 17" x 40-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	295.65	41.59
For Tempered Low-E Insulated Glass, Add	42.67	
08 52 16 00-0341 EA 20-1/2" x 40-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	308.54	42.50
For Tempered Low-E Insulated Glass, Add	44.71	
08 52 16 00-0342 EA 24-1/8" x 40-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	323.17	44.31
For Tempered Low-E Insulated Glass, Add	46.91	
08 52 16 00-0343 EA 28-3/8" x 40-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	354.72	46.12
For Tempered Low-E Insulated Glass, Add	52.50	
08 52 16 00-0344 EA 31-1/2" x 40-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	376.57	47.92
For Tempered Low-E Insulated Glass, Add	56.32	
08 52 16 00-0345 EA 35-15/16" x 40-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	397.48	49.73
For Tempered Low-E Insulated Glass, Add	59.78	



Openings	08	08
Windows	08 50	
Wood Windows	08 52	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0346 48" Height, One Operating Sash, Casement Wood Clad Windows (Andersen 400 Series) (08 52 16 00-0320)		
08 52 16 00-0347 EA 17" x 48", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	324.08 46.91	45.22
08 52 16 00-0348 EA 20-1/2" x 48", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	337.79 49.11	46.12
08 52 16 00-0349 EA 24-1/8" x 48", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	352.42 51.31	47.92
08 52 16 00-0350 EA 28-3/8" x 48", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	395.41 59.19	49.73
08 52 16 00-0351 EA 31-1/2" x 48", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	412.75 62.11	51.54
08 52 16 00-0352 EA 35-15/16" x 48", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	438.59 66.66	53.35
08 52 16 00-0353 52-13/16" Height, One Operating Sash, Casement Wood Clad Windows (Andersen 400 Series) (08 52 16 00-0320)		
08 52 16 00-0354 EA 17" x 52-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	342.93 49.96	47.03
08 52 16 00-0355 EA 20-1/2" x 52-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	355.80 51.99	47.92
08 52 16 00-0356 EA 24-1/8" x 52-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	370.43 54.19	49.73
08 52 16 00-0357 EA 28-3/8" x 52-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	423.18 64.02	51.54
08 52 16 00-0358 EA 31-1/2" x 52-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	448.53 68.55	53.35
08 52 16 00-0359 EA 35-15/16" x 52-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	465.91 71.30	55.16
08 52 16 00-0360 59-7/8" Height, One Operating Sash, Casement Wood Clad Windows (Andersen 400 Series) (08 52 16 00-0320)		
08 52 16 00-0361 EA 17" x 59-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	370.43 54.19	49.73
08 52 16 00-0362 EA 20-1/2" x 59-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	384.15 56.39	51.54
08 52 16 00-0363 EA 24-1/8" x 59-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	398.78 58.60	52.90
08 52 16 00-0364 EA 28-3/8" x 59-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	463.37 70.79	54.71
08 52 16 00-0365 EA 31-1/2" x 59-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	481.66 73.91	56.07
08 52 16 00-0366 EA 35-15/16" x 59-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	506.13 78.08	57.87
08 52 16 00-0367 64-13/16" Height, One Operating Sash, Casement Wood Clad Windows (Andersen 400 Series) (08 52 16 00-0320)		
08 52 16 00-0368 EA 17" x 64-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	390.20 57.24	52.45
08 52 16 00-0369 EA 20-1/2" x 64-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	403.08 59.27	53.35
08 52 16 00-0370 EA 24-1/8" x 64-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	417.70 61.48	55.16
08 52 16 00-0371 EA 28-3/8" x 64-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	491.62 75.54	56.97
08 52 16 00-0372 EA 31-1/2" x 64-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	508.69 78.41	58.78
08 52 16 00-0373 EA 35-15/16" x 64-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	534.36 82.82	60.59
08 52 16 00-0374 71-7/8" Height, One Operating Sash, Casement Wood Clad Windows (Andersen 400 Series) (08 52 16 00-0320)		
08 52 16 00-0375 EA 17" x 71-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	417.70 61.48	55.16
08 52 16 00-0376 EA 20-1/2" x 71-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	431.43 63.68	56.97
08 52 16 00-0377 EA 24-1/8" x 71-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	446.05 65.88	58.32
08 52 16 00-0378 EA 28-3/8" x 71-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	531.82 82.31	60.13
08 52 16 00-0379 EA 31-1/2" x 71-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	552.54 85.91	61.49
08 52 16 00-0380 EA 35-15/16" x 71-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	574.57 89.59	63.30

08 Openings**08 50 Windows**

08 52 Wood Windows



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0381 Two Operating Sashes, Casement Wood Clad Windows (Andersen 400 Series) (08 52 16 00-0319)		
08 52 16 00-0382 24-1/8" Height, Two Operating Sashes, Casement Wood Clad Windows (Andersen 400 Series) (08 52 16 00-0381)		
08 52 16 00-0383 EA 40-3/4" x 24-1/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series).....	399.78	44.31
For Tempered Low-E Insulated Glass, Add	62.23	
08 52 16 00-0384 EA 48" x 24-1/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series).....	452.87	47.92
For Tempered Low-E Insulated Glass, Add	71.40	
08 52 16 00-0385 EA 56-1/2" x 24-1/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series).....	513.95	51.54
For Tempered Low-E Insulated Glass, Add	82.17	
08 52 16 00-0386 28-3/8" Height, Two Operating Sashes, Casement Wood Clad Windows (Andersen 400 Series) (08 52 16 00-0381)		
08 52 16 00-0387 EA 40-3/4" x 28-3/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series).....	430.26	46.12
For Tempered Low-E Insulated Glass, Add	67.61	
08 52 16 00-0388 EA 48" x 28-3/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series).....	483.37	49.73
For Tempered Low-E Insulated Glass, Add	76.78	
08 52 16 00-0389 EA 56-1/2" x 28-3/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series).....	544.44	53.35
For Tempered Low-E Insulated Glass, Add	87.55	
08 52 16 00-0390 35-15/16" Height, Two Operating Sashes, Casement Wood Clad Windows (Andersen 400 Series) (08 52 16 00-0381)		
08 52 16 00-0391 EA 33-3/4" x 35-15/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series).....	426.66	46.12
For Tempered Low-E Insulated Glass, Add	66.89	
08 52 16 00-0392 EA 40-3/4" x 35-15/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series).....	480.43	49.73
For Tempered Low-E Insulated Glass, Add	76.37	
08 52 16 00-0393 EA 48" x 35-15/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series).....	536.78	53.35
For Tempered Low-E Insulated Glass, Add	86.20	
08 52 16 00-0394 EA 56-1/2" x 35-15/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series).....	601.61	56.51
For Tempered Low-E Insulated Glass, Add	97.71	
08 52 16 00-0395 EA 62-3/4" x 35-15/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series).....	645.25	59.23
For Tempered Low-E Insulated Glass, Add	105.36	
08 52 16 00-0396 EA 71-5/8" x 35-15/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series).....	717.65	63.30
For Tempered Low-E Insulated Glass, Add	118.21	
08 52 16 00-0397 40-13/16" Height, Two Operating Sashes, Casement Wood Clad Windows (Andersen 400 Series) (08 52 16 00-0381)		
08 52 16 00-0398 EA 33-3/4" x 40-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series).....	464.22	48.37
For Tempered Low-E Insulated Glass, Add	73.49	
08 52 16 00-0399 EA 40-3/4" x 40-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series).....	517.98	51.54
For Tempered Low-E Insulated Glass, Add	82.98	
08 52 16 00-0400 EA 48" x 40-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series).....	574.33	55.16
For Tempered Low-E Insulated Glass, Add	92.80	
08 52 16 00-0401 EA 56-1/2" x 40-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series).....	639.15	58.78
For Tempered Low-E Insulated Glass, Add	104.32	
08 52 16 00-0402 EA 62-3/4" x 40-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series).....	687.29	61.49
For Tempered Low-E Insulated Glass, Add	112.86	
08 52 16 00-0403 EA 71-5/8" x 40-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series).....	884.78	65.56
For Tempered Low-E Insulated Glass, Add	150.73	
08 52 16 00-0404 48" Height, Two Operating Sashes, Casement Wood Clad Windows (Andersen 400 Series) (08 52 16 00-0381)		
08 52 16 00-0405 EA 33-3/4" x 48", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series).....	519.73	52.00
For Tempered Low-E Insulated Glass, Add	83.15	
08 52 16 00-0406 EA 40-3/4" x 48", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series).....	574.33	55.16
For Tempered Low-E Insulated Glass, Add	92.80	
08 52 16 00-0407 EA 48" x 48", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series).....	630.68	58.78
For Tempered Low-E Insulated Glass, Add	102.63	
08 52 16 00-0408 EA 56-1/2" x 48", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series).....	695.51	62.40
For Tempered Low-E Insulated Glass, Add	114.14	
08 52 16 00-0409 EA 62-3/4" x 48", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series).....	741.70	65.10
For Tempered Low-E Insulated Glass, Add	122.30	
08 52 16 00-0410 EA 71-5/8" x 48", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series).....	811.55	69.18
For Tempered Low-E Insulated Glass, Add	134.64	
08 52 16 00-0411 52-13/16" Height, Two Operating Sashes, Casement Wood Clad Windows (Andersen 400 Series) (08 52 16 00-0381)		
08 52 16 00-0412 EA 33-3/4" x 52-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series).....	556.38	53.81
For Tempered Low-E Insulated Glass, Add	89.75	
08 52 16 00-0413 EA 40-3/4" x 52-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series).....	610.13	56.97
For Tempered Low-E Insulated Glass, Add	99.24	
08 52 16 00-0414 EA 48" x 52-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series).....	661.46	60.59
For Tempered Low-E Insulated Glass, Add	108.06	



Openings	08	08
Windows	08 50	
Wood Windows	08 52	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0415 EA 56-1/2" x 52-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	731.32 120.58	64.21
08 52 16 00-0416 EA 62-3/4" x 52-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	779.62 129.16	66.91
08 52 16 00-0417 EA 71-5/8" x 52-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	848.21 141.25	70.99
08 52 16 00-0418 59-7/8" Height, Two Operating Sashes, Casement Wood Clad Windows (Andersen 400 Series) (08 52 16 00-0381)		
08 52 16 00-0419 EA 33-3/4" x 59-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	610.98 99.41	56.97
08 52 16 00-0420 EA 40-3/4" x 59-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	664.74 108.89	60.59
08 52 16 00-0421 EA 48" x 59-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	721.09 118.72	64.21
08 52 16 00-0422 EA 56-1/2" x 59-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	785.91 130.24	67.37
08 52 16 00-0423 EA 62-3/4" x 59-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	834.23 138.81	70.08
08 52 16 00-0424 EA 71-5/8" x 59-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	901.96 150.73	74.15
08 52 16 00-0425 64-13/16" Height, Two Operating Sashes, Casement Wood Clad Windows (Andersen 400 Series) (08 52 16 00-0381)		
08 52 16 00-0426 EA 33-3/4" x 64-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	648.53 106.01	59.23
08 52 16 00-0427 EA 40-3/4" x 64-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	702.29 115.50	62.40
08 52 16 00-0428 EA 48" x 64-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	759.50 125.49	66.01
08 52 16 00-0429 EA 56-1/2" x 64-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	824.32 137.01	69.63
08 52 16 00-0430 71-7/8" Height, Two Operating Sashes, Casement Wood Clad Windows (Andersen 400 Series) (08 52 16 00-0381)		
08 52 16 00-0431 EA 33-3/4" x 71-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	703.14 115.67	62.40
08 52 16 00-0432 EA 40-3/4" x 71-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	756.89 125.15	66.01
08 52 16 00-0433 EA 48" x 71-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	813.25 134.98	69.63
08 52 16 00-0434 EA 56-1/2" x 71-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	878.08 146.50	72.80
08 52 16 00-0435 One Stationary Sash And Two Operating Sashes, Casement Wood Clad Windows (Andersen 400 Series) (08 52 16 00-0319)		
08 52 16 00-0436 24-1/8" Height, One Stationary Sash And Two Operating Sashes, Casement Wood Clad Windows (Andersen 400 Series) (08 52 16 00-0435)		
08 52 16 00-0437 EA 71-7/8" x 24-1/8", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	627.72 102.21	58.32
08 52 16 00-0438 EA 84-5/8" x 24-1/8", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	726.40 119.60	64.21
08 52 16 00-0439 28-3/8" Height, One Stationary Sash And Two Operating Sashes, Casement Wood Clad Windows (Andersen 400 Series) (08 52 16 00-0435)		
08 52 16 00-0440 EA 71-7/8" x 28-3/8", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	663.63 108.67	60.13
08 52 16 00-0441 EA 84-5/8" x 28-3/8", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	757.28 125.05	66.01
08 52 16 00-0442 35-15/16" Height, One Stationary Sash And Two Operating Sashes, Casement Wood Clad Windows (Andersen 400 Series) (08 52 16 00-0435)		
08 52 16 00-0443 EA 61" x 35-15/16", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	639.32 104.35	58.78
08 52 16 00-0444 EA 71-7/8" x 35-15/16", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	719.34 118.55	63.30

08 Openings**08 50 Windows****08 52 Wood Windows**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0445 EA 84-5/8" x 35-15/16", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	818.33 136.00	69.63
08 52 16 00-0446 40-13/16" Height, One Stationary Sash And Two Operating Sashes, Casement Wood Clad Windows (Andersen 400 Series) (08 52 16 00-0435)		
08 52 16 00-0447 EA 61" x 40-13/16", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	675.16 110.62	61.49
08 52 16 00-0448 EA 71-7/8" x 40-13/16", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	757.74 125.32	65.56
08 52 16 00-0449 EA 84-5/8" x 40-13/16", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	855.88 142.60	71.44
08 52 16 00-0450 48" Height, One Stationary Sash And Two Operating Sashes, Casement Wood Clad Windows (Andersen 400 Series) (08 52 16 00-0435)		
08 52 16 00-0451 EA 71-7/8" x 48", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	813.25 134.98	69.18
08 52 16 00-0452 EA 84-5/8" x 48", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	911.39 152.26	75.05
08 52 16 00-0453 52-13/16" Height, One Stationary Sash And Two Operating Sashes, Casement Wood Clad Windows (Andersen 400 Series) (08 52 16 00-0435)		
08 52 16 00-0454 EA 71-7/8" x 52-13/16", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	849.91 141.59	70.99
08 52 16 00-0455 EA 84-5/8" x 52-13/16", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	948.03 158.86	76.86
08 52 16 00-0456 59-7/8" Height, One Stationary Sash And Two Operating Sashes, Casement Wood Clad Windows (Andersen 400 Series) (08 52 16 00-0435)		
08 52 16 00-0457 EA 71-7/8" x 59-7/8", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	903.65 151.07	74.15
08 52 16 00-0458 EA 84-5/8" x 59-7/8", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	1,002.64 168.52	80.48
08 52 16 00-0459 Awning Wood Clad Windows (08 52 16)		
08 52 16 00-0460 Awning Wood Clad Windows (Andersen 200 Series) (08 52 16 00-0459) Note: Includes painted or stained wood interior, colored PVC clad exterior, standard hardware and clear insulated glass. Excludes grilles and insect screens.		
08 52 16 00-0461 Venting, Awning Wood Clad Windows (Andersen 200 Series) (08 52 16 00-0460)		
08 52 16 00-0462 17" Height, Venting, Awning Wood Clad Windows (Andersen 200 Series) (08 52 16 00-0461)		
08 52 16 00-0463 EA 24-1/8" x 17", Venting, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	215.68 28.31	37.08
08 52 16 00-0464 EA 28-3/8" x 17", Venting, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	230.14 30.47	38.88
08 52 16 00-0465 EA 31-1/2" x 17", Venting, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	241.86 32.28	40.24
08 52 16 00-0466 EA 35-15/16" x 17", Venting, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	256.80 34.54	42.05
08 52 16 00-0467 EA 40-13/16" x 17", Venting, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	274.19 37.11	44.31
08 52 16 00-0468 EA 48" x 17", Venting, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	301.07 41.04	47.92
08 52 16 00-0469 EA 52-13/16" x 17", Venting, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	317.56 43.62	49.73
08 52 16 00-0470 EA 59-7/8" x 17", Venting, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	342.18 47.28	53.35
08 52 16 00-0471 EA 64-13/16" x 17", Venting, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	352.50 48.44	55.16
08 52 16 00-0472 EA 71-7/8" x 17", Venting, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	376.89 52.05	58.32
08 52 16 00-0473 20-1/2" Height, Venting, Awning Wood Clad Windows (Andersen 200 Series) (08 52 16 00-0461)		



Openings	08	08
Windows	08 50	
Wood Windows	08 52	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0474	EA		24-1/8" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	226.85 30.00	38.88
08 52 16 00-0475	EA		28-3/8" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	242.34 32.37	40.69
08 52 16 00-0476	EA		31-1/2" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	252.61 33.88	41.59
08 52 16 00-0477	EA		35-15/16" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	268.99 36.44	43.41
08 52 16 00-0478	EA		40-13/16" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	286.38 39.01	46.12
08 52 16 00-0479	EA		48" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	312.60 42.81	49.28
08 52 16 00-0480	EA		52-13/16" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	329.08 45.38	51.54
08 52 16 00-0481	EA		59-7/8" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	354.38 49.17	54.26
08 52 16 00-0482	EA		64-13/16" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	363.92 50.18	56.97
08 52 16 00-0483	EA		71-7/8" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	388.97 53.92	59.68
08 52 16 00-0484	EA		84-5/8" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	572.80 88.34	66.01
08 52 16 00-0485 24-1/8" Height, Venting, Awning Wood Clad Windows (Andersen 200 Series) <small>(08 52 16 00-0481)</small>					
08 52 16 00-0486	EA		24-1/8" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	240.98 32.10	40.69
08 52 16 00-0487	EA		28-3/8" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	255.44 34.27	42.50
08 52 16 00-0488	EA		31-1/2" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	265.42 35.72	43.41
08 52 16 00-0489	EA		35-15/16" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	282.10 38.33	45.22
08 52 16 00-0490	EA		40-13/16" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	299.49 40.91	47.92
08 52 16 00-0491	EA		48" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	326.37 44.84	51.09
08 52 16 00-0492	EA		52-13/16" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	342.86 47.41	53.35
08 52 16 00-0493	EA		59-7/8" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	368.16 51.21	56.07
08 52 16 00-0494	EA		64-13/16" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	376.89 52.05	58.78
08 52 16 00-0495	EA		71-7/8" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	401.26 55.66	61.49
08 52 16 00-0496	EA		84-5/8" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	601.12 93.28	67.82
08 52 16 00-0497 28-3/8" Height, Venting, Awning Wood Clad Windows (Andersen 200 Series) <small>(08 52 16 00-0481)</small>					
08 52 16 00-0498	EA		24-1/8" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	242.57 31.69	42.50
08 52 16 00-0499	EA		28-3/8" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	263.80 35.22	44.31
08 52 16 00-0500	EA		31-1/2" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	277.66 37.45	45.22
08 52 16 00-0501	EA		35-15/16" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	302.65 41.72	47.03
08 52 16 00-0502	EA		40-13/16" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	328.18 45.92	49.73
08 52 16 00-0503	EA		48" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	365.90 52.02	52.90
08 52 16 00-0504	EA		52-13/16" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	389.84 56.09	55.16
08 52 16 00-0505	EA		59-7/8" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	426.66 62.18	57.87
08 52 16 00-0506	EA		64-13/16" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	441.39 64.22	60.59
08 52 16 00-0507	EA		71-7/8" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	477.16 70.11	63.30
08 52 16 00-0508	EA		84-5/8" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	617.43 95.82	69.63
08 52 16 00-0509 31-1/2" Height, Venting, Awning Wood Clad Windows (Andersen 200 Series) <small>(08 52 16 00-0481)</small>					
08 52 16 00-0510	EA		28-3/8" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	277.66 37.45	45.22
08 52 16 00-0511	EA		31-1/2" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	292.44 39.86	46.57

08 Openings**08 50 Windows****08 52 Wood Windows**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0512	EA		35-15/16" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	312.72 43.19	48.37
08 52 16 00-0513	EA		40-13/16" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	335.63 46.87	50.64
08 52 16 00-0514	EA		48" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	369.30 52.16	54.26
08 52 16 00-0515	EA		52-13/16" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	391.88 55.95	56.07
08 52 16 00-0516	EA		59-7/8" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	424.64 61.24	59.68
08 52 16 00-0517	EA		64-13/16" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	447.55 64.91	61.49
08 52 16 00-0518	EA		71-7/8" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	480.89 70.32	64.66
08 52 16 00-0519	EA		84-5/8" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	655.09 102.80	70.54
08 52 16 00-0520			35-15/16" Height, Venting, Awning Wood Clad Windows (Andersen 200 Series) <small>(08 52 16 00-0461)</small>		
08 52 16 00-0521	EA		31-1/2" x 35-15/16", Venting, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	312.72 43.19	48.37
08 52 16 00-0522	EA		35-15/16" x 35-15/16", Venting, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	340.82 48.09	50.19
08 52 16 00-0523	EA		40-13/16" x 35-15/16", Venting, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	366.35 52.29	52.45
08 52 16 00-0524	EA		48" x 35-15/16", Venting, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	404.07 58.39	56.07
08 52 16 00-0525	EA		52-13/16" x 35-15/16", Venting, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	428.70 62.59	57.87
08 52 16 00-0526	EA		59-7/8" x 35-15/16", Venting, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	464.84 68.55	61.49
08 52 16 00-0527	EA		64-13/16" x 35-15/16", Venting, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	416.28 57.94	63.30
08 52 16 00-0528	EA		71-7/8" x 35-15/16", Venting, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	445.35 62.48	66.46
08 52 16 00-0529			40-3/4" Height, Venting, Awning Wood Clad Windows (Andersen 200 Series) <small>(08 52 16 00-0461)</small>		
08 52 16 00-0530	EA		35-15/16" x 40-3/4", Venting, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	362.29 51.48	52.45
08 52 16 00-0531	EA		40-13/16" x 40-3/4", Venting, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	403.39 58.80	55.16
08 52 16 00-0532			48" Height, Venting, Awning Wood Clad Windows (Andersen 200 Series) <small>(08 52 16 00-0461)</small>		
08 52 16 00-0533	EA		35-15/16" x 48", Venting, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	424.40 62.45	56.07
08 52 16 00-0534	EA		40-13/16" x 48", Venting, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	466.18 69.91	58.78
08 52 16 00-0535	EA		48" x 48", Venting, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	527.63 80.75	61.94
08 52 16 00-0536			59-13/16" Height, Venting, Awning Wood Clad Windows (Andersen 200 Series) <small>(08 52 16 00-0461)</small>		
08 52 16 00-0537	EA		35-15/16" x 59-13/16", Venting, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	516.86 78.96	61.04
08 52 16 00-0538	EA		40-13/16" x 59-13/16", Venting, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	553.74 85.43	63.30
08 52 16 00-0539			71-7/8" Height, Venting, Awning Wood Clad Windows (Andersen 200 Series) <small>(08 52 16 00-0461)</small>		
08 52 16 00-0540	EA		24-1/8" x 71-7/8", Venting, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	559.83 87.37	61.49
08 52 16 00-0541	EA		35-15/16" x 71-7/8", Venting, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	582.13 89.84	66.46
08 52 16 00-0542	EA		40-13/16" x 71-7/8", Venting, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	639.29 100.37	68.72
08 52 16 00-0543	EA		48" x 71-7/8", Venting, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	699.04 110.87	72.35
08 52 16 00-0544			Stationary, Awning Wood Clad Windows (Andersen 200 Series) <small>(08 52 16 00-0460)</small>		
08 52 16 00-0545			17" Height, Stationary, Awning Wood Clad Windows (Andersen 200 Series) <small>(08 52 16 00-0544)</small>		
08 52 16 00-0546	EA		24-1/8" x 17", Stationary, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	194.68 24.11	37.08



Openings	08
Windows	08 50
Wood Windows	08 52

08

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0547	EA		28-3/8" x 17", Stationary, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	208.46 26.14	38.88
08 52 16 00-0548	EA		31-1/2" x 17", Stationary, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	217.72 27.45	40.24
08 52 16 00-0549	EA		35-15/16" x 17", Stationary, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	232.40 29.66	42.05
08 52 16 00-0550	EA		40-13/16" x 17", Stationary, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	248.44 31.96	44.31
08 52 16 00-0551	EA		48" x 17", Stationary, Awning Wood Clad Window (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	273.29 35.49	47.92
08 52 16 00-0552	EA		52-13/16" x 17", Stationary, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	287.75 37.66	49.73
08 52 16 00-0553	EA		59-7/8" x 17", Stationary, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	311.02 41.04	53.35
08 52 16 00-0554	EA		64-13/16" x 17", Stationary, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	327.06 43.35	55.16
08 52 16 00-0555	EA		71-7/8" x 17", Stationary, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	350.32 46.73	58.32
08 52 16 00-0556 20-1/2" Height, Stationary, Awning Wood Clad Windows (Andersen 200 Series) <small>(08 52 16 00-0544)</small>					
08 52 16 00-0557	EA		24-1/8" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	205.52 25.73	38.88
08 52 16 00-0558	EA		28-3/8" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	219.30 27.76	40.69
08 52 16 00-0559	EA		31-1/2" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	227.90 28.94	41.59
08 52 16 00-0560	EA		35-15/16" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	243.92 31.42	43.41
08 52 16 00-0561	EA		40-13/16" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	259.96 33.73	46.12
08 52 16 00-0562	EA		48" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	284.14 37.11	49.28
08 52 16 00-0563	EA		52-13/16" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	299.27 39.42	51.54
08 52 16 00-0564	EA		59-7/8" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	321.86 42.67	54.26
08 52 16 00-0565	EA		64-13/16" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	338.58 45.11	56.97
08 52 16 00-0566	EA		71-7/8" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	361.17 48.36	59.68
08 52 16 00-0567 24-1/8" Height, Stationary, Awning Wood Clad Windows (Andersen 200 Series) <small>(08 52 16 00-0544)</small>					
08 52 16 00-0568	EA		24-1/8" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	217.94 27.49	40.69
08 52 16 00-0569	EA		28-3/8" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	231.73 29.53	42.50
08 52 16 00-0570	EA		31-1/2" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	239.57 30.55	43.41
08 52 16 00-0571	EA		35-15/16" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	255.67 33.05	45.22
08 52 16 00-0572	EA		40-13/16" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	271.71 35.35	47.92
08 52 16 00-0573	EA		48" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	295.88 38.74	51.09
08 52 16 00-0574	EA		52-13/16" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	311.02 41.04	53.35
08 52 16 00-0575	EA		59-7/8" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	334.29 44.43	56.07
08 52 16 00-0576	EA		64-13/16" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	350.32 46.73	58.78
08 52 16 00-0577	EA		71-7/8" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	373.59 50.12	61.49
08 52 16 00-0578 28-3/8" Height, Stationary, Awning Wood Clad Windows (Andersen 200 Series) <small>(08 52 16 00-0544)</small>					
08 52 16 00-0579	EA		24-1/8" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	220.89 27.36	42.50
08 52 16 00-0580	EA		28-3/8" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	238.73 30.20	44.31
08 52 16 00-0581	EA		31-1/2" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	248.93 31.70	45.22
08 52 16 00-0582	EA		35-15/16" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	259.28 33.05	47.03
08 52 16 00-0583	EA		40-13/16" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	291.59 38.60	49.73
08 52 16 00-0584	EA		48" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	322.54 43.35	52.90

08 Openings**08 50 Windows****08 52 Wood Windows**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0585 EA 52-13/16" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	342.41 46.60	55.16
08 52 16 00-0586 EA 59-7/8" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	372.46 51.34	57.87
08 52 16 00-0587 EA 64-13/16" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	393.92 54.73	60.59
08 52 16 00-0588 EA 71-7/8" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	423.96 59.47	63.30
08 52 16 00-0589 31-1/2" Height, Stationary, Awning Wood Clad Windows (Andersen 200 Series) (08 52 16 00-0544)		
08 52 16 00-0590 EA 28-3/8" x 31-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	248.93 31.70	45.22
08 52 16 00-0591 EA 31-1/2" x 31-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	261.41 33.65	46.57
08 52 16 00-0592 EA 35-15/16" x 31-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	278.25 36.30	48.37
08 52 16 00-0593 EA 40-13/16" x 31-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	297.71 39.29	50.64
08 52 16 00-0594 EA 48" x 31-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	326.20 43.54	54.26
08 52 16 00-0595 EA 52-13/16" x 31-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	344.76 46.53	56.07
08 52 16 00-0596 EA 59-7/8" x 31-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	372.35 50.78	59.68
08 52 16 00-0597 EA 64-13/16" x 31-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	391.24 53.65	61.49
08 52 16 00-0598 EA 71-7/8" x 31-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	418.83 57.90	64.66
08 52 16 00-0599 35-15/16" Height, Stationary, Awning Wood Clad Windows (Andersen 200 Series) (08 52 16 00-0544)		
08 52 16 00-0600 EA 31-1/2" x 35-15/16", Stationary, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	278.25 36.30	48.37
08 52 16 00-0601 EA 35-15/16" x 35-15/16", Stationary, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	302.20 40.37	50.19
08 52 16 00-0602 EA 40-13/16" x 35-15/16", Stationary, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	322.99 43.62	52.45
08 52 16 00-0603 EA 48" x 35-15/16", Stationary, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	354.61 48.50	56.07
08 52 16 00-0604 EA 52-13/16" x 35-15/16", Stationary, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	374.49 51.75	57.87
08 52 16 00-0605 EA 59-7/8" x 35-15/16", Stationary, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	404.54 56.49	61.49
08 52 16 00-0606 EA 64-13/16" x 35-15/16", Stationary, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	425.32 59.74	63.30
08 52 16 00-0607 EA 71-7/8" x 35-15/16", Stationary, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	455.36 64.49	66.46
08 52 16 00-0608 Awning Wood Clad Windows (Andersen 400 Series) (08 52 16 00-0459) Note: Includes painted or stained wood interior, colored PVC clad exterior, standard hardware and Low-E insulated glass. Excludes grilles and insect screens.		
08 52 16 00-0609 Venting, Awning Wood Clad Windows (Andersen 400 Series) (08 52 16 00-0608)		
08 52 16 00-0610 17" Height, Venting, Awning Wood Clad Windows (Andersen 400 Series) (08 52 16 00-0609)		
08 52 16 00-0611 EA 24-1/8" x 17", Venting, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	249.22 35.01	37.08
08 52 16 00-0612 EA 28-3/8" x 17", Venting, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	266.39 37.72	38.88
08 52 16 00-0613 EA 31-1/2" x 17", Venting, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	280.35 39.97	40.24
08 52 16 00-0614 EA 35-15/16" x 17", Venting, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	298.13 42.81	42.05
08 52 16 00-0615 EA 40-13/16" x 17", Venting, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	318.74 46.02	44.31
08 52 16 00-0616 EA 48" x 17", Venting, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	350.53 50.94	47.92
08 52 16 00-0617 EA 52-13/16" x 17", Venting, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	370.24 54.15	49.73
08 52 16 00-0618 EA 59-7/8" x 17", Venting, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	399.44 58.73	53.35
08 52 16 00-0619 EA 64-13/16" x 17", Venting, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	411.20 60.18	55.16
08 52 16 00-0620 EA 71-7/8" x 17", Venting, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	440.11 64.69	58.32
08 52 16 00-0621 20-1/2" Height, Venting, Awning Wood Clad Windows (Andersen 400 Series) (08 52 16 00-0609)		



Openings	08	08
Windows	08 50	
Wood Windows	08 52	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0622	EA		24-1/8" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	262.51 37.13	38.88
08 52 16 00-0623	EA		28-3/8" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	280.96 40.10	40.69
08 52 16 00-0624	EA		31-1/2" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	293.12 41.99	41.59
08 52 16 00-0625	EA		35-15/16" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	312.69 45.18	43.41
08 52 16 00-0626	EA		40-13/16" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	333.30 48.39	46.12
08 52 16 00-0627	EA		48" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	364.26 53.14	49.28
08 52 16 00-0628	EA		52-13/16" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	383.96 56.36	51.54
08 52 16 00-0629	EA		59-7/8" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	414.00 61.10	54.26
08 52 16 00-0630	EA		64-13/16" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	424.80 62.35	56.97
08 52 16 00-0631	EA		71-7/8" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	454.53 67.03	59.68
08 52 16 00-0632	EA		84-5/8" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	681.38 110.05	66.01
08 52 16 00-0633			24-1/8" Height, Venting, Awning Wood Clad Windows (Andersen 400 Series) <small>(08 52 16 00-0609)</small>		
08 52 16 00-0634	EA		24-1/8" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	279.26 39.76	40.69
08 52 16 00-0635	EA		28-3/8" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	296.43 42.47	42.50
08 52 16 00-0636	EA		31-1/2" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	308.23 44.28	43.41
08 52 16 00-0637	EA		35-15/16" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	328.17 47.55	45.22
08 52 16 00-0638	EA		40-13/16" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	348.78 50.77	47.92
08 52 16 00-0639	EA		48" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	380.57 55.68	51.09
08 52 16 00-0640	EA		52-13/16" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	400.28 58.90	53.35
08 52 16 00-0641	EA		59-7/8" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	430.33 63.64	56.07
08 52 16 00-0642	EA		64-13/16" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	440.11 64.69	58.78
08 52 16 00-0643	EA		71-7/8" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	468.99 69.20	61.49
08 52 16 00-0644	EA		84-5/8" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	715.87 116.23	67.82
08 52 16 00-0645			28-3/8" Height, Venting, Awning Wood Clad Windows (Andersen 400 Series) <small>(08 52 16 00-0609)</small>		
08 52 16 00-0646	EA		24-1/8" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	280.34 39.25	42.50
08 52 16 00-0647	EA		28-3/8" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	305.98 43.65	44.31
08 52 16 00-0648	EA		31-1/2" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	322.63 46.44	45.22
08 52 16 00-0649	EA		35-15/16" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	352.95 51.78	47.03
08 52 16 00-0650	EA		40-13/16" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	383.74 57.03	49.73
08 52 16 00-0651	EA		48" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	429.08 64.66	52.90
08 52 16 00-0652	EA		52-13/16" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	458.10 69.74	55.16
08 52 16 00-0653	EA		59-7/8" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	502.55 77.36	57.87
08 52 16 00-0654	EA		64-13/16" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	519.83 79.91	60.59
08 52 16 00-0655	EA		71-7/8" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	636.71 102.02	63.30
08 52 16 00-0656	EA		84-5/8" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	735.36 119.40	69.63
08 52 16 00-0657			31-1/2" Height, Venting, Awning Wood Clad Windows (Andersen 400 Series) <small>(08 52 16 00-0609)</small>		
08 52 16 00-0658	EA		28-3/8" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	322.63 46.44	45.22
08 52 16 00-0659	EA		31-1/2" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	340.42 49.46	46.57

08 Openings**08 50 Windows****08 52 Wood Windows**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0660	EA		35-15/16" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	364.87 53.62	48.37
08 52 16 00-0661	EA		40-13/16" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	392.38 58.22	50.64
08 52 16 00-0662	EA		48" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	432.65 64.83	54.26
08 52 16 00-0663	EA		52-13/16" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	459.97 69.57	56.07
08 52 16 00-0664	EA		59-7/8" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	499.34 76.18	59.68
08 52 16 00-0665	EA		64-13/16" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	526.85 80.77	61.49
08 52 16 00-0666	EA		71-7/8" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	566.94 87.53	64.66
08 52 16 00-0667	EA		84-5/8" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	781.75 128.14	70.54
08 52 16 00-0668			35-15/16" Height, Venting, Awning Wood Clad Windows (Andersen 400 Series) <small>(08 52 16 00-0609)</small>		
08 52 16 00-0669	EA		31-1/2" x 35-15/16", Venting, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	364.87 53.62	48.37
08 52 16 00-0670	EA		35-15/16" x 35-15/16", Venting, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	399.09 59.74	50.19
08 52 16 00-0671	EA		40-13/16" x 35-15/16", Venting, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	429.87 64.99	52.45
08 52 16 00-0672	EA		48" x 35-15/16", Venting, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	475.22 72.62	56.07
08 52 16 00-0673	EA		52-13/16" x 35-15/16", Venting, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	505.09 77.87	57.87
08 52 16 00-0674	EA		59-7/8" x 35-15/16", Venting, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	548.68 85.32	61.49
08 52 16 00-0675	EA		64-13/16" x 35-15/16", Venting, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	486.86 72.05	63.30
08 52 16 00-0676	EA		71-7/8" x 35-15/16", Venting, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	521.62 77.74	66.46
08 52 16 00-0677			40-3/4" Height, Venting, Awning Wood Clad Windows (Andersen 400 Series) <small>(08 52 16 00-0609)</small>		
08 52 16 00-0678	EA		35-15/16" x 40-3/4", Venting, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	420.26 63.98	52.45
08 52 16 00-0679	EA		40-13/16" x 40-3/4", Venting, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	477.76 73.13	56.07
08 52 16 00-0680			48" Height, Venting, Awning Wood Clad Windows (Andersen 400 Series) <small>(08 52 16 00-0609)</small>		
08 52 16 00-0681	EA		35-15/16" x 48", Venting, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	500.62 77.70	56.07
08 52 16 00-0682	EA		40-13/16" x 48", Venting, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	551.72 87.01	58.78
08 52 16 00-0683	EA		48" x 48", Venting, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	626.72 100.57	61.94
08 52 16 00-0684			59-13/16" Height, Venting, Awning Wood Clad Windows (Andersen 400 Series) <small>(08 52 16 00-0609)</small>		
08 52 16 00-0685	EA		35-15/16" x 59-13/16", Venting, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	613.72 98.33	61.04
08 52 16 00-0686	EA		40-13/16" x 59-13/16", Venting, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	658.68 106.42	63.30
08 52 16 00-0687			71-7/8" Height, Venting, Awning Wood Clad Windows (Andersen 400 Series) <small>(08 52 16 00-0609)</small>		
08 52 16 00-0688	EA		24-1/8" x 71-7/8", Venting, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	667.20 108.84	61.49
08 52 16 00-0689	EA		35-15/16" x 71-7/8", Venting, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	692.59 111.93	66.46
08 52 16 00-0690	EA		40-13/16" x 71-7/8", Venting, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	762.91 125.09	68.72
08 52 16 00-0691	EA		48" x 71-7/8", Venting, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	835.78 138.22	72.35
08 52 16 00-0692			Stationary, Awning Wood Clad Windows (Andersen 400 Series) <small>(08 52 16 00-0608)</small>		
08 52 16 00-0693			17" Height, Stationary, Awning Wood Clad Windows (Andersen 400 Series) <small>(08 52 16 00-0682)</small>		
08 52 16 00-0694	EA		24-1/8" x 17", Stationary, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	222.96 29.76	37.08



Openings	08
Windows	08 50
Wood Windows	08 52

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0695	EA		28-3/8" x 17", Stationary, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	239.29 32.30	38.88
08 52 16 00-0696	EA		31-1/2" x 17", Stationary, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	250.19 33.94	40.24
08 52 16 00-0697	EA		35-15/16" x 17", Stationary, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	267.64 36.71	42.05
08 52 16 00-0698	EA		40-13/16" x 17", Stationary, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	286.55 39.59	44.31
08 52 16 00-0699	EA		48" x 17", Stationary, Awning Wood Clad Window (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	315.80 43.99	47.92
08 52 16 00-0700	EA		52-13/16" x 17", Stationary, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	332.98 46.70	49.73
08 52 16 00-0701	EA		59-7/8" x 17", Stationary, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	360.48 50.94	53.35
08 52 16 00-0702	EA		64-13/16" x 17", Stationary, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	379.40 53.82	55.16
08 52 16 00-0703	EA		71-7/8" x 17", Stationary, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	406.90 58.05	58.32
08 52 16 00-0704			20-1/2" Height, Stationary, Awning Wood Clad Windows (Andersen 400 Series) <small>(08 52 16 00-0692)</small>		
08 52 16 00-0705	EA		24-1/8" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	235.84 31.80	38.88
08 52 16 00-0706	EA		28-3/8" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	252.16 34.34	40.69
08 52 16 00-0707	EA		31-1/2" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	262.23 35.81	41.59
08 52 16 00-0708	EA		35-15/16" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	281.36 38.91	43.41
08 52 16 00-0709	EA		40-13/16" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	300.27 41.79	46.12
08 52 16 00-0710	EA		48" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	328.69 46.02	49.28
08 52 16 00-0711	EA		52-13/16" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	346.70 48.90	51.54
08 52 16 00-0712	EA		59-7/8" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	373.35 52.97	54.26
08 52 16 00-0713	EA		64-13/16" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	393.13 56.02	56.97
08 52 16 00-0714	EA		71-7/8" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	419.77 60.08	59.68
08 52 16 00-0715			24-1/8" Height, Stationary, Awning Wood Clad Windows (Andersen 400 Series) <small>(08 52 16 00-0692)</small>		
08 52 16 00-0716	EA		24-1/8" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	250.47 34.00	40.69
08 52 16 00-0717	EA		28-3/8" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	266.79 36.54	42.50
08 52 16 00-0718	EA		31-1/2" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	275.91 37.82	43.41
08 52 16 00-0719	EA		35-15/16" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	295.14 40.94	45.22
08 52 16 00-0720	EA		40-13/16" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	314.06 43.82	47.92
08 52 16 00-0721	EA		48" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	342.46 48.06	51.09
08 52 16 00-0722	EA		52-13/16" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	360.48 50.94	53.35
08 52 16 00-0723	EA		59-7/8" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	387.98 55.17	56.07
08 52 16 00-0724	EA		64-13/16" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	406.90 58.05	58.78
08 52 16 00-0725	EA		71-7/8" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	434.40 62.28	61.49
08 52 16 00-0726			28-3/8" Height, Stationary, Awning Wood Clad Windows (Andersen 400 Series) <small>(08 52 16 00-0692)</small>		
08 52 16 00-0727	EA		24-1/8" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	253.24 33.83	42.50
08 52 16 00-0728	EA		28-3/8" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	274.64 37.38	44.31
08 52 16 00-0729	EA		31-1/2" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	286.71 39.26	45.22
08 52 16 00-0730	EA		35-15/16" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	298.75 40.94	47.03
08 52 16 00-0731	EA		40-13/16" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	338.00 47.89	49.73
08 52 16 00-0732	EA		48" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	374.88 53.82	52.90

08 Openings**08 50 Windows****08 52 Wood Windows**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0733 EA 52-13/16" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 400 Series)	398.81	55.16
For Tempered Low-E Insulated Glass, Add	57.88	
08 52 16 00-0734 EA 59-7/8" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 400 Series)	434.80	57.87
For Tempered Low-E Insulated Glass, Add	63.81	
08 52 16 00-0735 EA 64-13/16" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 400 Series)	460.49	60.59
For Tempered Low-E Insulated Glass, Add	68.04	
08 52 16 00-0736 EA 71-7/8" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 400 Series)	496.46	63.30
For Tempered Low-E Insulated Glass, Add	73.97	
08 52 16 00-0737 31-1/2" Height, Stationary, Awning Wood Clad Windows (Andersen 400 Series) (08 52 16 00-0692)		
08 52 16 00-0738 EA 28-3/8" x 31-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series)	286.71	45.22
For Tempered Low-E Insulated Glass, Add	39.26	
08 52 16 00-0739 EA 31-1/2" x 31-1/2", Stationary, Awning Wood Clad Window (Andersen 400 Series)	301.63	46.57
For Tempered Low-E Insulated Glass, Add	41.70	
08 52 16 00-0740 EA 35-15/16" x 31-1/2", Stationary, Awning Wood Clad Window (Andersen 400 Series)	321.77	48.37
For Tempered Low-E Insulated Glass, Add	45.00	
08 52 16 00-0741 EA 40-13/16" x 31-1/2", Stationary, Awning Wood Clad Window (Andersen 400 Series)	344.97	50.64
For Tempered Low-E Insulated Glass, Add	48.74	
08 52 16 00-0742 EA 48" x 31-1/2", Stationary, Awning Wood Clad Window (Andersen 400 Series)	378.78	54.26
For Tempered Low-E Insulated Glass, Add	54.05	
08 52 16 00-0743 EA 52-13/16" x 31-1/2", Stationary, Awning Wood Clad Window (Andersen 400 Series)	401.07	56.07
For Tempered Low-E Insulated Glass, Add	57.79	
08 52 16 00-0744 EA 59-7/8" x 31-1/2", Stationary, Awning Wood Clad Window (Andersen 400 Series)	433.98	59.68
For Tempered Low-E Insulated Glass, Add	63.10	
08 52 16 00-0745 EA 64-13/16" x 31-1/2", Stationary, Awning Wood Clad Window (Andersen 400 Series)	456.46	61.49
For Tempered Low-E Insulated Glass, Add	66.70	
08 52 16 00-0746 EA 71-7/8" x 31-1/2", Stationary, Awning Wood Clad Window (Andersen 400 Series)	489.36	64.66
For Tempered Low-E Insulated Glass, Add	72.01	
08 52 16 00-0747 35-15/16" Height, Stationary, Awning Wood Clad Windows (Andersen 400 Series) (08 52 16 00-0692)		
08 52 16 00-0748 EA 31-1/2" x 35-15/16", Stationary, Awning Wood Clad Window (Andersen 400 Series)	321.77	48.37
For Tempered Low-E Insulated Glass, Add	45.00	
08 52 16 00-0749 EA 35-15/16" x 35-15/16", Stationary, Awning Wood Clad Window (Andersen 400 Series)	350.81	50.19
For Tempered Low-E Insulated Glass, Add	50.09	
08 52 16 00-0750 EA 40-13/16" x 35-15/16", Stationary, Awning Wood Clad Window (Andersen 400 Series)	375.67	52.45
For Tempered Low-E Insulated Glass, Add	54.15	
08 52 16 00-0751 EA 48" x 35-15/16", Stationary, Awning Wood Clad Window (Andersen 400 Series)	413.39	56.07
For Tempered Low-E Insulated Glass, Add	60.25	
08 52 16 00-0752 EA 52-13/16" x 35-15/16", Stationary, Awning Wood Clad Window (Andersen 400 Series)	437.34	57.87
For Tempered Low-E Insulated Glass, Add	64.32	
08 52 16 00-0753 EA 59-7/8" x 35-15/16", Stationary, Awning Wood Clad Window (Andersen 400 Series)	473.31	61.49
For Tempered Low-E Insulated Glass, Add	70.25	
08 52 16 00-0754 EA 64-13/16" x 35-15/16", Stationary, Awning Wood Clad Window (Andersen 400 Series)	498.15	63.30
For Tempered Low-E Insulated Glass, Add	74.31	
08 52 16 00-0755 EA 71-7/8" x 35-15/16", Stationary, Awning Wood Clad Window (Andersen 400 Series)	534.13	66.46
For Tempered Low-E Insulated Glass, Add	80.24	
08 52 16 00-0756 Horizontal Sliding Wood Clad Windows (08 52 16)		
08 52 16 00-0757 One Operating Sash, Horizontal Sliding Wood Clad Windows (Andersen 200 Series) (08 52 16 00-0756)		
Note: Includes painted or stained wood interior, colored PVC clad exterior, standard hardware and clear insulated glass. Excludes grilles and insect screens.		
08 52 16 00-0758 17-1/2" Height, One Operating Sash, Horizontal Sliding Wood Clad Windows (Andersen 200 Series) (08 52 16 00-0757)		
08 52 16 00-0759 EA 47-1/2" x 17-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series)	268.88	47.92
For Tempered Clear Insulated Glass, Add	34.79	
08 52 16 00-0760 23-1/2" Height, One Operating Sash, Horizontal Sliding Wood Clad Windows (Andersen 200 Series) (08 52 16 00-0757)		
08 52 16 00-0761 EA 35-1/2" x 23-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series)	248.41	44.31
For Tempered Clear Insulated Glass, Add	31.78	
08 52 16 00-0762 EA 47-1/2" x 23-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series)	288.52	50.64
For Tempered Clear Insulated Glass, Add	37.63	
08 52 16 00-0763 35-1/2" Height, One Operating Sash, Horizontal Sliding Wood Clad Windows (Andersen 200 Series) (08 52 16 00-0757)		
08 52 16 00-0764 EA 35-1/2" x 35-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series)	288.52	50.64
For Tempered Clear Insulated Glass, Add	37.63	
08 52 16 00-0765 EA 47-1/2" x 35-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series)	328.63	56.07
For Tempered Clear Insulated Glass, Add	43.48	
08 52 16 00-0766 EA 59-1/2" x 35-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series)	368.76	61.04
For Tempered Clear Insulated Glass, Add	49.34	



Openings	08	08
Windows	08 50	
Wood Windows	08 52	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0767	EA		71-1/2" x 35-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	408.88 55.19	66.46
08 52 16 00-0768			41-1/2" Height, One Operating Sash, Horizontal Sliding Wood Clad Windows (Andersen 200 Series) (08 52 16 00-0757)		
08 52 16 00-0769	EA		35-1/2" x 41-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	309.00 40.64	53.35
08 52 16 00-0770	EA		47-1/2" x 41-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	348.28 46.33	58.78
08 52 16 00-0771	EA		59-1/2" x 41-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	388.40 52.18	63.76
08 52 16 00-0772	EA		71-1/2" x 41-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	457.78 63.89	69.18
08 52 16 00-0773			47-1/2" Height, One Operating Sash, Horizontal Sliding Wood Clad Windows (Andersen 200 Series) (08 52 16 00-0757)		
08 52 16 00-0774	EA		35-1/2" x 47-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	328.63 43.48	56.07
08 52 16 00-0775	EA		47-1/2" x 47-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	368.76 49.34	61.49
08 52 16 00-0776	EA		59-1/2" x 47-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	408.88 55.19	66.46
08 52 16 00-0777	EA		71-1/2" x 47-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	449.00 61.04	71.89
08 52 16 00-0778			53-1/2" Height, One Operating Sash, Horizontal Sliding Wood Clad Windows (Andersen 200 Series) (08 52 16 00-0757)		
08 52 16 00-0779	EA		47-1/2" x 53-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	388.40 52.18	64.21
08 52 16 00-0780	EA		59-1/2" x 53-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	428.51 58.03	69.18
08 52 16 00-0781	EA		71-1/2" x 53-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	468.64 63.89	74.60
08 52 16 00-0782			59-1/2" Height, One Operating Sash, Horizontal Sliding Wood Clad Windows (Andersen 200 Series) (08 52 16 00-0757)		
08 52 16 00-0783	EA		47-1/2" x 59-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	408.88 55.19	66.91
08 52 16 00-0784	EA		59-1/2" x 59-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	449.00 61.04	71.89
08 52 16 00-0785	EA		71-1/2" x 59-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	489.18 66.91	77.32
08 52 16 00-0786			Two Operating Sashes, Horizontal Sliding Wood Clad Windows (Andersen 400 Series) (08 52 16 00-0756) Note: Includes painted or stained wood interior, colored PVC clad exterior, standard hardware and Low-E insulated glass. Excludes grilles and insect screens.		
08 52 16 00-0787			22-1/4" Height, Two Operating Sashes, Horizontal Sliding Wood Clad Windows (Andersen 400 Series) (08 52 16 00-0786)		
08 52 16 00-0788	EA		35-1/4" x 22-1/4", Two Operating Sashes, Horizontal Sliding Wood Clad Window (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	541.83 90.46	44.31
08 52 16 00-0789	EA		47-1/4" x 22-1/4", Two Operating Sashes, Horizontal Sliding Wood Clad Window (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	642.15 108.36	50.64
08 52 16 00-0790			35-1/4" Height, Two Operating Sashes, Horizontal Sliding Wood Clad Windows (Andersen 400 Series) (08 52 16 00-0786)		
08 52 16 00-0791	EA		35-1/4" x 35-1/4", Two Operating Sashes, Horizontal Sliding Wood Clad Window (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	649.67 109.86	50.64
08 52 16 00-0792	EA		47-1/4" x 35-1/4", Two Operating Sashes, Horizontal Sliding Wood Clad Window (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	750.83 127.92	56.07
08 52 16 00-0793	EA		59-1/4" x 35-1/4", Two Operating Sashes, Horizontal Sliding Wood Clad Window (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	851.17 145.82	61.04
08 52 16 00-0794	EA		71-1/4" x 35-1/4", Two Operating Sashes, Horizontal Sliding Wood Clad Window (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	951.49 163.71	66.46
08 52 16 00-0795			41-1/4" Height, Two Operating Sashes, Horizontal Sliding Wood Clad Windows (Andersen 400 Series) (08 52 16 00-0786)		
08 52 16 00-0796	EA		35-1/4" x 41-1/4", Two Operating Sashes, Horizontal Sliding Wood Clad Window (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	700.26 118.89	53.35
08 52 16 00-0797	EA		47-1/4" x 41-1/4", Two Operating Sashes, Horizontal Sliding Wood Clad Window (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	800.58 136.79	58.78

08 Openings

08 50 Windows

08 52 Wood Windows



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0798 EA 59-1/4" x 41-1/4", Two Operating Sashes, Horizontal Sliding Wood Clad Window (Andersen 400 Series).....	901.74	63.76
For Tempered Low-E Insulated Glass, Add	154.85	
08 52 16 00-0799 EA 71-1/4" x 41-1/4", Two Operating Sashes, Horizontal Sliding Wood Clad Window (Andersen 400 Series).....	1,002.07	69.18
For Tempered Low-E Insulated Glass, Add	172.74	
08 52 16 00-0800 47-1/4" Height, Two Operating Sashes, Horizontal Sliding Wood Clad Windows (Andersen 400 Series) (08 52 16 00-0798)		
08 52 16 00-0801 EA 35-1/4" x 47-1/4", Two Operating Sashes, Horizontal Sliding Wood Clad Window (Andersen 400 Series).....	750.83	56.07
For Tempered Low-E Insulated Glass, Add	127.92	
08 52 16 00-0802 EA 47-1/4" x 47-1/4", Two Operating Sashes, Horizontal Sliding Wood Clad Window (Andersen 400 Series).....	851.17	61.49
For Tempered Low-E Insulated Glass, Add	145.82	
08 52 16 00-0803 EA 59-1/4" x 47-1/4", Two Operating Sashes, Horizontal Sliding Wood Clad Window (Andersen 400 Series).....	951.49	66.46
For Tempered Low-E Insulated Glass, Add	163.71	
08 52 16 00-0804 EA 71-1/4" x 47-1/4", Two Operating Sashes, Horizontal Sliding Wood Clad Window (Andersen 400 Series).....	1,052.65	71.89
For Tempered Low-E Insulated Glass, Add	181.77	
08 52 16 00-0805 59-1/4" Height, Two Operating Sashes, Horizontal Sliding Wood Clad Windows (Andersen 400 Series) (08 52 16 00-0798)		
08 52 16 00-0806 EA 35-1/4" x 59-1/4", Two Operating Sashes, Horizontal Sliding Wood Clad Window (Andersen 400 Series).....	851.17	61.49
For Tempered Low-E Insulated Glass, Add	145.82	
08 52 16 00-0807 EA 47-1/4" x 59-1/4", Two Operating Sashes, Horizontal Sliding Wood Clad Window (Andersen 400 Series).....	951.49	66.91
For Tempered Low-E Insulated Glass, Add	163.71	
08 52 16 00-0808 EA 59-1/4" x 59-1/4", Two Operating Sashes, Horizontal Sliding Wood Clad Window (Andersen 400 Series).....	1,052.65	71.89
For Tempered Low-E Insulated Glass, Add	181.77	
08 52 16 00-0809 EA 71-1/4" x 59-1/4", Two Operating Sashes, Horizontal Sliding Wood Clad Window (Andersen 400 Series).....	1,152.98	77.32
For Tempered Low-E Insulated Glass, Add	199.67	
08 52 16 00-0810 Picture Wood Clad Windows (08 52 16)		
08 52 16 00-0811 Picture Wood Clad Windows For Awning And Casement Windows (08 52 16 00-0810)		
08 52 16 00-0812 Picture Wood Clad Windows For Awning And Casement Windows (Andersen 200 Series) (08 52 16 00-0811)		
Note: Includes painted or stained wood interior, colored PVC clad exterior, standard hardware and clear insulated glass. Excludes grilles and insect screens.		
08 52 16 00-0813 12" Height, Picture Wood Clad Windows For Awning And Casement Windows (Andersen 200 Series) (08 52 16 00-0812)		
08 52 16 00-0814 EA 40-13/16" x 12", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	210.33	36.17
For Tempered Clear Insulated Glass, Add	27.60	
08 52 16 00-0815 EA 48" x 12", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	243.70	39.78
For Tempered Clear Insulated Glass, Add	32.82	
08 52 16 00-0816 EA 52-13/16" x 12", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	258.25	41.59
For Tempered Clear Insulated Glass, Add	35.01	
08 52 16 00-0817 EA 59-7/8" x 12", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	279.79	45.22
For Tempered Clear Insulated Glass, Add	38.05	
08 52 16 00-0818 EA 64-13/16" x 12", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	294.63	47.03
For Tempered Clear Insulated Glass, Add	40.12	
08 52 16 00-0819 EA 71-7/8" x 12", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	316.16	50.64
For Tempered Clear Insulated Glass, Add	43.16	
08 52 16 00-0820 35-15/16" Height, Picture Wood Clad Windows For Awning And Casement Windows (Andersen 200 Series) (08 52 16 00-0812)		
08 52 16 00-0821 EA 35-15/16" x 35-15/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	237.48	44.31
For Tempered Clear Insulated Glass, Add	29.77	
08 52 16 00-0822 EA 40-13/16" x 35-15/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	270.13	47.03
For Tempered Clear Insulated Glass, Add	35.40	
08 52 16 00-0823 EA 48" x 35-15/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	318.52	50.19
For Tempered Clear Insulated Glass, Add	43.63	
08 52 16 00-0824 EA 52-13/16" x 35-15/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	349.58	52.00
For Tempered Clear Insulated Glass, Add	49.12	
08 52 16 00-0825 EA 59-7/8" x 35-15/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	396.39	55.16
For Tempered Clear Insulated Glass, Add	57.21	
08 52 16 00-0826 EA 64-13/16" x 35-15/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	429.04	57.42
For Tempered Clear Insulated Glass, Add	62.84	
08 52 16 00-0827 EA 71-7/8" x 35-15/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	613.04	60.59
For Tempered Clear Insulated Glass, Add	98.37	
08 52 16 00-0828 40-13/16" Height, Picture Wood Clad Windows For Awning And Casement Windows (Andersen 200 Series) (08 52 16 00-0812)		
08 52 16 00-0829 EA 35-15/16" x 40-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	270.13	47.03
For Tempered Clear Insulated Glass, Add	35.40	
08 52 16 00-0830 EA 40-13/16" x 40-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	302.78	48.83
For Tempered Clear Insulated Glass, Add	41.02	
08 52 16 00-0831 EA 48" x 40-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	351.18	52.45
For Tempered Clear Insulated Glass, Add	49.26	



Openings	08	08
Windows	08 50	
Wood Windows	08 52	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0832	EA		52-13/16" x 40-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	382.23 54.74	54.26
08 52 16 00-0833	EA		59-7/8" x 40-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	429.04 62.84	57.87
08 52 16 00-0834	EA		64-13/16" x 40-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	461.68 68.46	59.68
08 52 16 00-0835	EA		71-7/8" x 40-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	508.48 76.56	63.30
08 52 16 00-0836			48" Height, Picture Wood Clad Windows For Awning And Casement Windows (Andersen 200 Series) <small>(08 52 16 00-0812)</small>		
08 52 16 00-0837	EA		35-15/16" x 48", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	318.52 43.63	50.64
08 52 16 00-0838	EA		40-13/16" x 48", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	351.18 49.26	52.45
08 52 16 00-0839	EA		48" x 48", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	399.57 57.49	56.07
08 52 16 00-0840	EA		52-13/16" x 48", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	430.63 62.98	57.87
08 52 16 00-0841	EA		59-7/8" x 48", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	477.43 71.07	61.49
08 52 16 00-0842	EA		64-13/16" x 48", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	510.08 76.70	63.30
08 52 16 00-0843	EA		71-7/8" x 48", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	556.88 84.79	66.91
08 52 16 00-0844			52-13/16" Height, Picture Wood Clad Windows For Awning And Casement Windows (Andersen 200 Series) <small>(08 52 16 00-0812)</small>		
08 52 16 00-0845	EA		35-15/16" x 52-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	349.58 49.12	52.45
08 52 16 00-0846	EA		40-13/16" x 52-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	382.23 54.74	54.26
08 52 16 00-0847	EA		48" x 52-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	430.63 62.98	57.87
08 52 16 00-0848	EA		52-13/16" x 52-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	461.68 68.46	59.68
08 52 16 00-0849	EA		59-7/8" x 52-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	508.48 76.56	63.30
08 52 16 00-0850	EA		64-13/16" x 52-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	541.14 82.18	65.10
08 52 16 00-0851	EA		71-7/8" x 52-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	628.41 98.37	68.72
08 52 16 00-0852			59-7/8" Height, Picture Wood Clad Windows For Awning And Casement Windows (Andersen 200 Series) <small>(08 52 16 00-0812)</small>		
08 52 16 00-0853	EA		35-15/16" x 59-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	396.39 57.21	55.16
08 52 16 00-0854	EA		40-13/16" x 59-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	429.04 62.84	57.87
08 52 16 00-0855	EA		48" x 59-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	477.43 71.07	61.04
08 52 16 00-0856	EA		52-13/16" x 59-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	508.48 76.56	62.85
08 52 16 00-0857	EA		59-7/8" x 59-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	555.30 84.65	66.01
08 52 16 00-0858	EA		64-13/16" x 59-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	587.94 90.28	68.27
08 52 16 00-0859	EA		71-7/8" x 59-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	634.74 98.37	71.44
08 52 16 00-0860			64-13/16" Height, Picture Wood Clad Windows For Awning And Casement Windows (Andersen 200 Series) <small>(08 52 16 00-0812)</small>		
08 52 16 00-0861	EA		35-15/16" x 64-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	429.04 62.84	57.87
08 52 16 00-0862	EA		40-13/16" x 64-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	461.68 68.46	59.68
08 52 16 00-0863	EA		48" x 64-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	510.08 76.70	63.30
08 52 16 00-0864	EA		52-13/16" x 64-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	541.14 82.18	65.10
08 52 16 00-0865	EA		59-7/8" x 64-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	628.41 98.37	68.72
08 52 16 00-0866			71-7/8" Height, Picture Wood Clad Windows For Awning And Casement Windows (Andersen 200 Series) <small>(08 52 16 00-0812)</small>		

08 Openings**08 50 Windows****08 52 Wood Windows**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0867 EA 35-15/16" x 71-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	475.84	60.59
For Tempered Clear Insulated Glass, Add	70.93	
08 52 16 00-0868 EA 40-13/16" x 71-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	508.48	63.30
For Tempered Clear Insulated Glass, Add	76.56	
08 52 16 00-0869 EA 48" x 71-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	556.88	66.46
For Tempered Clear Insulated Glass, Add	84.79	
08 52 16 00-0870 EA 52-13/16" x 71-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	587.94	68.27
For Tempered Clear Insulated Glass, Add	90.28	
08 52 16 00-0871 EA 59-7/8" x 71-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	634.74	71.44
For Tempered Clear Insulated Glass, Add	98.37	
08 52 16 00-0872 Picture Wood Clad Windows For Awning And Casement Windows (Andersen 400 Series) (08 52 16 00-0811)		
Note: Includes painted or stained wood interior, colored PVC clad exterior, standard hardware and Low-E insulated glass. Excludes grilles and insect screens.		
08 52 16 00-0873 12" Height, Picture Wood Clad Windows For Awning And Casement Windows (Andersen 400 Series) (08 52 16 00-0872)		
08 52 16 00-0874 EA 40-13/16" x 12", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series).....	242.70	36.17
For Tempered Low-E Insulated Glass, Add	34.07	
08 52 16 00-0875 EA 48" x 12", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series).....	282.20	39.78
For Tempered Low-E Insulated Glass, Add	40.52	
08 52 16 00-0876 EA 52-13/16" x 12", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series).....	299.32	41.59
For Tempered Low-E Insulated Glass, Add	43.23	
08 52 16 00-0877 EA 59-7/8" x 12", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series).....	324.42	45.22
For Tempered Low-E Insulated Glass, Add	46.98	
08 52 16 00-0878 EA 64-13/16" x 12", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series).....	341.69	47.03
For Tempered Low-E Insulated Glass, Add	49.53	
08 52 16 00-0879 EA 71-7/8" x 12", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series).....	366.78	50.64
For Tempered Low-E Insulated Glass, Add	53.28	
08 52 16 00-0880 35-15/16" Height, Picture Wood Clad Windows For Awning And Casement Windows (Andersen 400 Series) (08 52 16 00-0872)		
08 52 16 00-0881 EA 35-15/16" x 35-15/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series).....	272.40	44.31
For Tempered Low-E Insulated Glass, Add	36.76	
08 52 16 00-0882 EA 40-13/16" x 35-15/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series).....	311.65	47.03
For Tempered Low-E Insulated Glass, Add	43.70	
08 52 16 00-0883 EA 48" x 35-15/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series).....	369.69	50.19
For Tempered Low-E Insulated Glass, Add	53.86	
08 52 16 00-0884 EA 52-13/16" x 35-15/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series).....	407.19	52.00
For Tempered Low-E Insulated Glass, Add	60.64	
08 52 16 00-0885 EA 59-7/8" x 35-15/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series).....	463.49	55.16
For Tempered Low-E Insulated Glass, Add	70.63	
08 52 16 00-0886 EA 64-13/16" x 35-15/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series).....	502.74	57.42
For Tempered Low-E Insulated Glass, Add	77.58	
08 52 16 00-0887 EA 71-7/8" x 35-15/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series).....	728.42	60.59
For Tempered Low-E Insulated Glass, Add	121.45	
08 52 16 00-0888 40-13/16" Height, Picture Wood Clad Windows For Awning And Casement Windows (Andersen 400 Series) (08 52 16 00-0872)		
08 52 16 00-0889 EA 35-15/16" x 40-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series).....	311.65	47.03
For Tempered Low-E Insulated Glass, Add	43.70	
08 52 16 00-0890 EA 40-13/16" x 40-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series).....	350.89	48.83
For Tempered Low-E Insulated Glass, Add	50.65	
08 52 16 00-0891 EA 48" x 40-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series).....	408.95	52.45
For Tempered Low-E Insulated Glass, Add	60.81	
08 52 16 00-0892 EA 52-13/16" x 40-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series).....	446.43	54.26
For Tempered Low-E Insulated Glass, Add	67.58	
08 52 16 00-0893 EA 59-7/8" x 40-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series).....	502.74	57.87
For Tempered Low-E Insulated Glass, Add	77.58	
08 52 16 00-0894 EA 64-13/16" x 40-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series).....	541.98	59.68
For Tempered Low-E Insulated Glass, Add	84.52	
08 52 16 00-0895 EA 71-7/8" x 40-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series).....	598.28	63.30
For Tempered Low-E Insulated Glass, Add	94.52	
08 52 16 00-0896 48" Height, Picture Wood Clad Windows For Awning And Casement Windows (Andersen 400 Series) (08 52 16 00-0872)		
08 52 16 00-0897 EA 35-15/16" x 48", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series).....	369.69	50.64
For Tempered Low-E Insulated Glass, Add	53.86	
08 52 16 00-0898 EA 40-13/16" x 48", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series).....	408.95	52.45
For Tempered Low-E Insulated Glass, Add	60.81	
08 52 16 00-0899 EA 48" x 48", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series).....	466.99	56.07
For Tempered Low-E Insulated Glass, Add	70.97	
08 52 16 00-0900 EA 52-13/16" x 48", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series).....	504.49	57.87
For Tempered Low-E Insulated Glass, Add	77.75	
08 52 16 00-0901 EA 59-7/8" x 48", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series).....	560.79	61.49
For Tempered Low-E Insulated Glass, Add	87.74	



Openings	08	08
Windows	08 50	
Wood Windows	08 52	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0902	EA		64-13/16" x 48", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	600.03 94.69	63.30
08 52 16 00-0903	EA		71-7/8" x 48", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	656.33 104.68	66.91
08 52 16 00-0904			52-13/16" Height, Picture Wood Clad Windows For Awning And Casement Windows (Andersen 400 Series) <small>(08 52 16 00-0872)</small>		
08 52 16 00-0905	EA		35-15/16" x 52-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	407.19 60.64	52.45
08 52 16 00-0906	EA		40-13/16" x 52-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	446.43 67.58	54.26
08 52 16 00-0907	EA		48" x 52-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	504.49 77.75	57.87
08 52 16 00-0908	EA		52-13/16" x 52-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	541.98 84.52	59.68
08 52 16 00-0909	EA		59-7/8" x 52-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	598.28 94.52	63.30
08 52 16 00-0910	EA		64-13/16" x 52-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	637.53 101.46	65.10
08 52 16 00-0911	EA		71-7/8" x 52-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	743.79 121.45	68.72
08 52 16 00-0912			59-7/8" Height, Picture Wood Clad Windows For Awning And Casement Windows (Andersen 400 Series) <small>(08 52 16 00-0872)</small>		
08 52 16 00-0913	EA		35-15/16" x 59-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	463.49 70.63	55.16
08 52 16 00-0914	EA		40-13/16" x 59-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	502.74 77.58	57.87
08 52 16 00-0915	EA		48" x 59-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	560.79 87.74	61.04
08 52 16 00-0916	EA		52-13/16" x 59-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	598.28 94.52	62.85
08 52 16 00-0917	EA		59-7/8" x 59-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	654.58 104.51	66.01
08 52 16 00-0918	EA		64-13/16" x 59-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	693.82 111.46	68.27
08 52 16 00-0919	EA		71-7/8" x 59-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	750.12 121.45	71.44
08 52 16 00-0920			64-13/16" Height, Picture Wood Clad Windows For Awning And Casement Windows (Andersen 400 Series) <small>(08 52 16 00-0872)</small>		
08 52 16 00-0921	EA		35-15/16" x 64-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	502.74 77.58	57.87
08 52 16 00-0922	EA		40-13/16" x 64-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	541.98 84.52	59.68
08 52 16 00-0923	EA		48" x 64-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	600.03 94.69	63.30
08 52 16 00-0924	EA		52-13/16" x 64-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	637.53 101.46	65.10
08 52 16 00-0925	EA		59-7/8" x 64-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	743.79 121.45	68.72
08 52 16 00-0926			71-7/8" Height, Picture Wood Clad Windows For Awning And Casement Windows (Andersen 400 Series) <small>(08 52 16 00-0872)</small>		
08 52 16 00-0927	EA		35-15/16" x 71-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	559.03 87.57	60.59
08 52 16 00-0928	EA		40-13/16" x 71-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	598.28 94.52	63.30
08 52 16 00-0929	EA		48" x 71-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	656.33 104.68	66.46
08 52 16 00-0930	EA		52-13/16" x 71-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	693.82 111.46	68.27
08 52 16 00-0931	EA		59-7/8" x 71-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	750.12 121.45	71.44
08 52 16 00-0932			Picture Wood Clad Windows For Double Hung Windows <small>(08 52 16 00-0810)</small>		
08 52 16 00-0933			Picture Wood Clad Windows For Double Hung Windows (Andersen 200 Series) <small>(08 52 16 00-0932)</small> Note: Includes painted or stained wood interior, colored PVC clad exterior, standard hardware and clear insulated glass. Excludes grilles and insect screens.		
08 52 16 00-0934			35-1/2" Height, Picture Wood Clad Windows For Double Hung Windows (Andersen 200 Series) <small>(08 52 16 00-0933)</small>		
08 52 16 00-0935	EA		56-1/2" x 35-1/2", Picture Wood Clad Window For Double Hung Windows (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	304.40 38.27	56.51

08 Openings**08 50 Windows****08 52 Wood Windows**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0936 EA 59-1/2" x 35-1/2", Picture Wood Clad Window For Double Hung Windows (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	312.37 39.32	57.87
08 52 16 00-0937 47-1/2" Height, Picture Wood Clad Windows For Double Hung Windows (Andersen 200 Series) (08 52 16 00-0933)		
08 52 16 00-0938 EA 47-1/2" x 47-1/2", Picture Wood Clad Window For Double Hung Windows (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	312.37 39.32	57.87
08 52 16 00-0939 EA 71-1/2" x 47-1/2", Picture Wood Clad Window For Double Hung Windows (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	377.59 48.03	68.72
08 52 16 00-0940 53-1/2" Height, Picture Wood Clad Windows For Double Hung Windows (Andersen 200 Series) (08 52 16 00-0933)		
08 52 16 00-0941 EA 56-1/2" x 53-1/2", Picture Wood Clad Window For Double Hung Windows (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	353.69 44.88	64.66
08 52 16 00-0942 EA 59-1/2" x 53-1/2", Picture Wood Clad Window For Double Hung Windows (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	361.67 45.93	66.01
08 52 16 00-0943 56-1/2" Height, Picture Wood Clad Windows For Double Hung Windows (Andersen 200 Series) (08 52 16 00-0933)		
08 52 16 00-0944 EA 35-1/2" x 56-1/2", Picture Wood Clad Window For Double Hung Windows (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	304.40 38.27	56.97
08 52 16 00-0945 EA 53-1/2" x 56-1/2", Picture Wood Clad Window For Double Hung Windows (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	353.69 44.88	64.66
08 52 16 00-0946 59-1/2" Height, Picture Wood Clad Windows For Double Hung Windows (Andersen 200 Series) (08 52 16 00-0933)		
08 52 16 00-0947 EA 35-1/2" x 59-1/2", Picture Wood Clad Window For Double Hung Windows (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	312.37 39.32	57.87
08 52 16 00-0948 EA 53-1/2" x 59-1/2", Picture Wood Clad Window For Double Hung Windows (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	361.67 45.93	66.01
08 52 16 00-0949 EA 59-1/2" x 59-1/2", Picture Wood Clad Window For Double Hung Windows (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	377.59 48.03	68.72
08 52 16 00-0950 EA 65-1/2" x 59-1/2", Picture Wood Clad Window For Double Hung Windows (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	394.27 50.28	71.44
08 52 16 00-0951 65-1/2" Height, Picture Wood Clad Windows For Double Hung Windows (Andersen 200 Series) (08 52 16 00-0933)		
08 52 16 00-0952 EA 59-1/2" x 65-1/2", Picture Wood Clad Window For Double Hung Windows (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	394.27 50.28	71.44
08 52 16 00-0953 71-1/2" Height, Picture Wood Clad Windows For Double Hung Windows (Andersen 200 Series) (08 52 16 00-0933)		
08 52 16 00-0954 EA 47-1/2" x 71-1/2", Picture Wood Clad Window For Double Hung Windows (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	377.59 48.03	68.72
08 52 16 00-0955 Picture Wood Clad Windows For Double Hung Windows (Andersen 400 Series) (08 52 16 00-0932)		
Note: Includes painted or stained wood interior, colored PVC clad exterior, standard hardware and Low-E insulated glass. Excludes grilles and insect screens.		
08 52 16 00-0956 48-7/8" Height, Picture Wood Clad Windows For Double Hung Windows (Andersen 400 Series) (08 52 16 00-0955)		
08 52 16 00-0957 EA 12" x 48-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	319.89 46.98	42.50
08 52 16 00-0958 EA 37-5/8" x 48-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	441.56 66.79	54.26
08 52 16 00-0959 EA 41-5/8" x 48-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	460.18 69.79	55.62
08 52 16 00-0960 EA 47-5/16" x 48-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	488.12 74.29	58.32
08 52 16 00-0961 EA 51-5/16" x 48-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	506.75 77.30	60.59
08 52 16 00-0962 EA 59-5/16" x 48-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	544.75 83.45	63.76
08 52 16 00-0963 EA 67-5/16" x 48-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	582.74 89.60	67.82
08 52 16 00-0964 52-7/8" Height, Picture Wood Clad Windows For Double Hung Windows (Andersen 400 Series) (08 52 16 00-0955)		
08 52 16 00-0965 EA 12" x 52-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	339.27 50.13	44.31



Openings	08	08
Windows	08 50	
Wood Windows	08 52	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0966	EA		37-5/8" x 52-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	460.18 69.79	56.07
08 52 16 00-0967	EA		41-5/8" x 52-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	479.56 72.94	57.42
08 52 16 00-0968	EA		47-5/16" x 52-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	506.75 77.30	60.13
08 52 16 00-0969	EA		51-5/16" x 52-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	526.13 80.45	62.40
08 52 16 00-0970	EA		59-5/16" x 52-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	564.12 86.60	65.56
08 52 16 00-0971	EA		67-5/16" x 52-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	602.12 92.75	69.63
08 52 16 00-0972			56-7/8" Height, Picture Wood Clad Windows For Double Hung Windows (Andersen 400 Series) (08 52 16 00-0955)		
08 52 16 00-0973	EA		12" x 56-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	357.89 53.13	46.12
08 52 16 00-0974	EA		37-5/8" x 56-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	479.56 72.94	57.87
08 52 16 00-0975	EA		41-5/8" x 56-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	498.18 75.94	59.23
08 52 16 00-0976	EA		47-5/16" x 56-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	526.13 80.45	61.94
08 52 16 00-0977	EA		51-5/16" x 56-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	544.75 83.45	64.21
08 52 16 00-0978	EA		59-5/16" x 56-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	582.74 89.60	67.37
08 52 16 00-0979	EA		67-5/16" x 56-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	621.51 95.91	71.44
08 52 16 00-0980			60-7/8" Height, Picture Wood Clad Windows For Double Hung Windows (Andersen 400 Series) (08 52 16 00-0955)		
08 52 16 00-0981	EA		12" x 60-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	377.27 56.28	47.92
08 52 16 00-0982	EA		37-5/8" x 60-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	498.18 75.94	59.68
08 52 16 00-0983	EA		41-5/8" x 60-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	517.56 79.10	61.04
08 52 16 00-0984	EA		47-5/16" x 60-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	544.75 83.45	63.76
08 52 16 00-0985	EA		51-5/16" x 60-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	564.12 86.60	66.01
08 52 16 00-0986	EA		59-5/16" x 60-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	602.12 92.75	69.18
08 52 16 00-0987	EA		67-5/16" x 60-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	640.13 98.91	73.25
08 52 16 00-0988			64-7/8" Height, Picture Wood Clad Windows For Double Hung Windows (Andersen 400 Series) (08 52 16 00-0955)		
08 52 16 00-0989	EA		12" x 64-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	395.89 59.28	49.73
08 52 16 00-0990	EA		37-5/8" x 64-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	517.56 79.10	61.49
08 52 16 00-0991	EA		41-5/8" x 64-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	536.93 82.25	62.85
08 52 16 00-0992	EA		47-5/16" x 64-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	564.12 86.60	65.56
08 52 16 00-0993	EA		51-5/16" x 64-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	582.74 89.60	67.82
08 52 16 00-0994	EA		59-5/16" x 64-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	621.51 95.91	70.99
08 52 16 00-0995	EA		67-5/16" x 64-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	659.51 102.06	75.05
08 52 16 00-0996			68-7/8" Height, Picture Wood Clad Windows For Double Hung Windows (Andersen 400 Series) (08 52 16 00-0955)		
08 52 16 00-0997	EA		12" x 68-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	415.27 62.44	51.54
08 52 16 00-0998	EA		37-5/8" x 68-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	536.93 82.25	63.30
08 52 16 00-0999	EA		41-5/8" x 68-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	555.56 85.25	64.66
08 52 16 00-1000	EA		47-5/16" x 68-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	582.74 89.60	67.37
08 52 16 00-1001	EA		51-5/16" x 68-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	602.12 92.75	69.63
08 52 16 00-1002	EA		59-5/16" x 68-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	640.13 98.91	72.80

08 Openings**08 50 Windows****08 52 Wood Windows**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-1003 EA 67-5/16" x 68-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) For Tempered Low-E Insulated Glass, Add	678.13 105.06	76.86
08 52 16 00-1004 72-7/8" Height, Picture Wood Clad Windows For Double Hung Windows (Andersen 400 Series) (08 52 16 00-0955)		
08 52 16 00-1005 EA 12" x 72-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) For Tempered Low-E Insulated Glass, Add	433.90 65.44	53.35
08 52 16 00-1006 EA 37-5/8" x 72-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) For Tempered Low-E Insulated Glass, Add	555.56 85.25	65.10
08 52 16 00-1007 EA 41-5/8" x 72-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) For Tempered Low-E Insulated Glass, Add	574.94 88.40	66.46
08 52 16 00-1008 EA 47-5/16" x 72-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) For Tempered Low-E Insulated Glass, Add	602.12 92.75	69.18
08 52 16 00-1009 EA 51-5/16" x 72-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) For Tempered Low-E Insulated Glass, Add	621.51 95.91	71.44
08 52 16 00-1010 EA 59-5/16" x 72-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) For Tempered Low-E Insulated Glass, Add	659.51 102.06	74.60
08 52 16 00-1011 EA 67-5/16" x 72-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) For Tempered Low-E Insulated Glass, Add	697.51 108.21	78.67
08 52 16 00-1012 76-7/8" Height, Picture Wood Clad Windows For Double Hung Windows (Andersen 400 Series) (08 52 16 00-0955)		
08 52 16 00-1013 EA 12" x 76-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) For Tempered Low-E Insulated Glass, Add	453.27 68.59	55.16
08 52 16 00-1014 EA 37-5/8" x 76-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) For Tempered Low-E Insulated Glass, Add	574.94 88.40	66.91
08 52 16 00-1015 EA 41-5/8" x 76-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) For Tempered Low-E Insulated Glass, Add	593.56 91.40	68.27
08 52 16 00-1016 EA 47-5/16" x 76-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) For Tempered Low-E Insulated Glass, Add	621.51 95.91	70.99
08 52 16 00-1017 EA 51-5/16" x 76-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) For Tempered Low-E Insulated Glass, Add	640.13 98.91	73.25
08 52 16 00-1018 EA 59-5/16" x 76-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) For Tempered Low-E Insulated Glass, Add	678.13 105.06	76.41
08 52 16 00-1019 EA 67-5/16" x 76-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) For Tempered Low-E Insulated Glass, Add	716.13 111.22	80.48
08 52 16 00-1020 Picture Wood Clad Windows For Horizontal Sliding Windows (08 52 16 00-0810)		
08 52 16 00-1021 Picture Wood Clad Windows For Horizontal Sliding Windows (Andersen 200 Series) (08 52 16 00-1020) Note: Includes painted or stained wood interior, colored PVC clad exterior, standard hardware and clear insulated glass. Excludes grilles and insect screens.		
08 52 16 00-1022 35-1/2" Height, Picture Wood Clad Windows For Horizontal Sliding Windows (Andersen 200 Series) (08 52 16 00-1021)		
08 52 16 00-1023 EA 56-1/2" x 35-1/2", Picture Wood Clad Window For Horizontal Sliding Windows (Andersen 200 Series) For Tempered Clear Insulated Glass, Add	304.40 38.27	56.51
08 52 16 00-1024 EA 59-1/2" x 35-1/2", Picture Wood Clad Window For Horizontal Sliding Windows (Andersen 200 Series) For Tempered Clear Insulated Glass, Add	312.37 39.32	57.87
08 52 16 00-1025 47-1/2" Height, Picture Wood Clad Windows For Horizontal Sliding Windows (Andersen 200 Series) (08 52 16 00-1021)		
08 52 16 00-1026 EA 47-1/2" x 47-1/2", Picture Wood Clad Window For Horizontal Sliding Windows (Andersen 200 Series) For Tempered Clear Insulated Glass, Add	312.37 39.32	57.87
08 52 16 00-1027 EA 71-1/2" x 47-1/2", Picture Wood Clad Window For Horizontal Sliding Windows (Andersen 200 Series) For Tempered Clear Insulated Glass, Add	377.59 48.03	68.72
08 52 16 00-1028 53-1/2" Height, Picture Wood Clad Windows For Horizontal Sliding Windows (Andersen 200 Series) (08 52 16 00-1021)		
08 52 16 00-1029 EA 56-1/2" x 53-1/2", Picture Wood Clad Window For Horizontal Sliding Windows (Andersen 200 Series) For Tempered Clear Insulated Glass, Add	353.69 44.88	64.66
08 52 16 00-1030 EA 59-1/2" x 53-1/2", Picture Wood Clad Window For Horizontal Sliding Windows (Andersen 200 Series) For Tempered Clear Insulated Glass, Add	361.67 45.93	66.01
08 52 16 00-1031 56-1/2" Height, Picture Wood Clad Windows For Horizontal Sliding Windows (Andersen 200 Series) (08 52 16 00-1021)		
08 52 16 00-1032 EA 35-1/2" x 56-1/2", Picture Wood Clad Window For Horizontal Sliding Windows (Andersen 200 Series) For Tempered Clear Insulated Glass, Add	304.40 38.27	56.97
08 52 16 00-1033 EA 53-1/2" x 56-1/2", Picture Wood Clad Window For Horizontal Sliding Windows (Andersen 200 Series) For Tempered Clear Insulated Glass, Add	353.69 44.88	64.66



Openings	08	08
Windows	08 50	
Wood Windows	08 52	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-1034 59-1/2" Height, Picture Wood Clad Windows For Horizontal Sliding Windows (Andersen 200 Series) <small>(08 52 16 00-1021)</small>		
08 52 16 00-1035 EA 35-1/2" x 59-1/2", Picture Wood Clad Window For Horizontal Sliding Windows (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	312.37 39.32	57.87
08 52 16 00-1036 EA 53-1/2" x 59-1/2", Picture Wood Clad Window For Horizontal Sliding Windows (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	361.67 45.93	66.01
08 52 16 00-1037 EA 59-1/2" x 59-1/2", Picture Wood Clad Window For Horizontal Sliding Windows (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	377.59 48.03	68.72
08 52 16 00-1038 EA 65-1/2" x 59-1/2", Picture Wood Clad Window For Horizontal Sliding Windows (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	394.27 50.28	71.44
08 52 16 00-1039 65-1/2" Height, Picture Wood Clad Windows For Horizontal Sliding Windows (Andersen 200 Series) <small>(08 52 16 00-1021)</small>		
08 52 16 00-1040 EA 59-1/2" x 65-1/2", Picture Wood Clad Window For Horizontal Sliding Windows (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	394.27 50.28	71.44
08 52 16 00-1041 71-1/2" Height, Picture Wood Clad Windows For Horizontal Sliding Windows (Andersen 200 Series) <small>(08 52 16 00-1021)</small>		
08 52 16 00-1042 EA 47-1/2" x 71-1/2", Picture Wood Clad Window For Horizontal Sliding Windows (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	377.59 48.03	68.72
08 52 16 00-1043 Basement Wood Clad Windows <small>(08 52 16)</small>		
08 52 16 00-1044 Basement Wood Clad Windows (Andersen 400 Series) <small>(08 52 16 00-1043)</small> Note: Includes painted or stained wood interior, colored PVC clad exterior, standard hardware, Low-E insulated glass and insect screens. Excludes grilles.		
08 52 16 00-1045 EA 32-1/4" x 15-3/4", Basement Wood Clad Window (Andersen 400 Series).....	167.12	36.17
08 52 16 00-1046 EA 32-1/4" x 19-3/4", Basement Wood Clad Window (Andersen 400 Series).....	174.24	36.17
08 52 16 00-1047 EA 32-1/4" x 23-3/4", Basement Wood Clad Window (Andersen 400 Series).....	180.50	36.17
08 52 16 00-1048 Factory Installed Grilles For Wood Clad Windows <small>(08 52 16)</small>		
08 52 16 00-1049 Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Wood Clad Windows <small>(08 52 16 00-1048)</small>		
08 52 16 00-1050 EA Up To 9 SF Windows, Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Wood Clad Windows.....	18.52	
08 52 16 00-1051 EA >9 To 18 SF Windows, Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Wood Clad Windows.....	27.29	
08 52 16 00-1052 EA >18 To 24 SF Windows, Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Wood Clad Windows.....	37.03	
08 52 16 00-1053 EA >24 To 36 SF Windows, Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Wood Clad Windows.....	46.78	
08 52 16 00-1054 EA >36 SF Windows, Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Wood Clad Windows	66.27	
08 52 16 00-1055 Fixed Exterior And Removable Interior Grilles, Factory Installed Grilles For Wood Clad Windows <small>(08 52 16 00-1048)</small>		
08 52 16 00-1056 EA Up To 9 SF Windows, Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Wood Clad Windows.....	29.63	
08 52 16 00-1057 EA >9 To 18 SF Windows, Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Wood Clad Windows.....	43.66	
08 52 16 00-1058 EA >18 To 24 SF Windows, Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Wood Clad Windows.....	59.26	
08 52 16 00-1059 EA >24 To 36 SF Windows, Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Wood Clad Windows.....	74.85	
08 52 16 00-1060 EA >36 SF Windows, Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Wood Clad Windows	106.04	
08 52 16 00-1061 Fixed Exterior And Interior Grilles, Factory Installed Grilles For Wood Clad Windows <small>(08 52 16 00-1048)</small>		
08 52 16 00-1062 EA Up To 9 SF Windows, Fixed Exterior And Interior Grilles, Factory Installed Grilles For Wood Clad Windows.....	35.55	
08 52 16 00-1063 EA >9 To 18 SF Windows, Fixed Exterior And Interior Grilles, Factory Installed Grilles For Wood Clad Windows	52.39	
08 52 16 00-1064 EA >18 To 24 SF Windows, Fixed Exterior And Interior Grilles, Factory Installed Grilles For Wood Clad Windows	71.11	
08 52 16 00-1065 EA >24 To 36 SF Windows, Fixed Exterior And Interior Grilles, Factory Installed Grilles For Wood Clad Windows	89.82	
08 52 16 00-1066 EA >36 SF Windows, Fixed Exterior And Interior Grilles, Factory Installed Grilles For Wood Clad Windows	127.24	
08 52 16 00-1067 Fixed Exterior And Interior Grilles With Spacers, Factory Installed Grilles For Wood Clad Windows <small>(08 52 16 00-1048)</small>		
08 52 16 00-1068 EA Up To 9 SF Windows, Fixed Exterior And Interior Grilles With Spacers, Factory Installed Grilles For Wood Clad Windows.....	42.67	
08 52 16 00-1069 EA >9 To 18 SF Windows, Fixed Exterior And Interior Grilles With Spacers, Factory Installed Grilles For Wood Clad Windows.....	62.87	
08 52 16 00-1070 EA >18 To 24 SF Windows, Fixed Exterior And Interior Grilles With Spacers, Factory Installed Grilles For Wood Clad Windows.....	85.33	

08 Openings**08 50 Windows****08 52 Wood Windows**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-1071	EA		>24 To 36 SF Windows, Fixed Exterior And Interior Grilles With Spacers, Factory Installed Grilles For Wood Clad Windows	107.78	
08 52 16 00-1072	EA		>36 SF Windows, Fixed Exterior And Interior Grilles With Spacers, Factory Installed Grilles For Wood Clad Windows	152.69	
08 52 19 Wood Windows (08 52)					
08 52 19 00-0001			Sash-Only Replacement Kits For Double Hung Wood Windows (08 52 19) Note: Includes demo of the existing sashes and jamb liners. Includes two sashes, jamb liners, insulated glass and all hardware needed for installation. Includes primed pine wood interior and exterior. Excludes window frame, trim, insect screens and grilles.		
08 52 19 00-0002			30" Height, Sash-Only Replacement Kits For Double Hung Wood Windows (08 52 19 00-0001)		
08 52 19 00-0003	EA		20" x 30", Sash-Only Replacement Kit For Double Hung Wood Windows.....	248.01	
			<i>For Low-E Insulated Glass, Add</i>	19.48	
			<i>For Aluminum Clad Exterior, Add</i>	20.87	
08 52 19 00-0004	EA		24" x 30", Sash-Only Replacement Kit For Double Hung Wood Windows.....	263.09	
			<i>For Low-E Insulated Glass, Add</i>	20.88	
			<i>For Aluminum Clad Exterior, Add</i>	22.37	
08 52 19 00-0005	EA		28" x 30", Sash-Only Replacement Kit For Double Hung Wood Windows.....	279.16	
			<i>For Low-E Insulated Glass, Add</i>	22.42	
			<i>For Aluminum Clad Exterior, Add</i>	24.02	
08 52 19 00-0006	EA		30" x 30", Sash-Only Replacement Kit For Double Hung Wood Windows.....	287.71	
			<i>For Low-E Insulated Glass, Add</i>	23.26	
			<i>For Aluminum Clad Exterior, Add</i>	24.93	
08 52 19 00-0007	EA		32" x 30", Sash-Only Replacement Kit For Double Hung Wood Windows.....	295.24	
			<i>For Low-E Insulated Glass, Add</i>	23.96	
			<i>For Aluminum Clad Exterior, Add</i>	25.68	
08 52 19 00-0008	EA		34" x 30", Sash-Only Replacement Kit For Double Hung Wood Windows.....	304.78	
			<i>For Low-E Insulated Glass, Add</i>	24.95	
			<i>For Aluminum Clad Exterior, Add</i>	26.73	
08 52 19 00-0009	EA		36" x 30", Sash-Only Replacement Kit For Double Hung Wood Windows.....	309.34	
			<i>For Low-E Insulated Glass, Add</i>	25.23	
			<i>For Aluminum Clad Exterior, Add</i>	27.03	
08 52 19 00-0010	EA		40" x 30", Sash-Only Replacement Kit For Double Hung Wood Windows.....	328.38	
			<i>For Low-E Insulated Glass, Add</i>	27.19	
			<i>For Aluminum Clad Exterior, Add</i>	29.13	
08 52 19 00-0011	EA		44" x 30", Sash-Only Replacement Kit For Double Hung Wood Windows.....	344.46	
			<i>For Low-E Insulated Glass, Add</i>	28.73	
			<i>For Aluminum Clad Exterior, Add</i>	30.78	
08 52 19 00-0012			34" Height, Sash-Only Replacement Kits For Double Hung Wood Windows (08 52 19 00-0001)		
08 52 19 00-0013	EA		20" x 34", Sash-Only Replacement Kit For Double Hung Wood Windows.....	263.09	
			<i>For Low-E Insulated Glass, Add</i>	20.88	
			<i>For Aluminum Clad Exterior, Add</i>	22.37	
08 52 19 00-0014	EA		24" x 34", Sash-Only Replacement Kit For Double Hung Wood Windows.....	279.16	
			<i>For Low-E Insulated Glass, Add</i>	22.42	
			<i>For Aluminum Clad Exterior, Add</i>	24.02	
08 52 19 00-0015	EA		28" x 34", Sash-Only Replacement Kit For Double Hung Wood Windows.....	292.71	
			<i>For Low-E Insulated Glass, Add</i>	23.96	
			<i>For Aluminum Clad Exterior, Add</i>	25.68	
08 52 19 00-0016	EA		30" x 34", Sash-Only Replacement Kit For Double Hung Wood Windows.....	304.78	
			<i>For Low-E Insulated Glass, Add</i>	24.95	
			<i>For Aluminum Clad Exterior, Add</i>	26.73	
08 52 19 00-0017	EA		32" x 34", Sash-Only Replacement Kit For Double Hung Wood Windows.....	312.31	
			<i>For Low-E Insulated Glass, Add</i>	25.65	
			<i>For Aluminum Clad Exterior, Add</i>	27.48	
08 52 19 00-0018	EA		34" x 34", Sash-Only Replacement Kit For Double Hung Wood Windows.....	320.86	
			<i>For Low-E Insulated Glass, Add</i>	26.49	
			<i>For Aluminum Clad Exterior, Add</i>	28.38	
08 52 19 00-0019	EA		36" x 34", Sash-Only Replacement Kit For Double Hung Wood Windows.....	328.38	
			<i>For Low-E Insulated Glass, Add</i>	27.19	
			<i>For Aluminum Clad Exterior, Add</i>	29.13	
08 52 19 00-0020	EA		40" x 34", Sash-Only Replacement Kit For Double Hung Wood Windows.....	344.46	
			<i>For Low-E Insulated Glass, Add</i>	28.73	
			<i>For Aluminum Clad Exterior, Add</i>	30.78	
08 52 19 00-0021	EA		44" x 34", Sash-Only Replacement Kit For Double Hung Wood Windows.....	360.54	
			<i>For Low-E Insulated Glass, Add</i>	30.27	
			<i>For Aluminum Clad Exterior, Add</i>	32.43	
08 52 19 00-0022			36" Height, Sash-Only Replacement Kits For Double Hung Wood Windows (08 52 19 00-0001)		
08 52 19 00-0023	EA		20" x 36", Sash-Only Replacement Kit For Double Hung Wood Windows.....	270.37	
			<i>For Low-E Insulated Glass, Add</i>	21.72	
			<i>For Aluminum Clad Exterior, Add</i>	23.27	
08 52 19 00-0024	EA		24" x 36", Sash-Only Replacement Kit For Double Hung Wood Windows.....	286.44	
			<i>For Low-E Insulated Glass, Add</i>	23.26	
			<i>For Aluminum Clad Exterior, Add</i>	24.93	
08 52 19 00-0025	EA		28" x 36", Sash-Only Replacement Kit For Double Hung Wood Windows.....	303.51	
			<i>For Low-E Insulated Glass, Add</i>	24.95	
			<i>For Aluminum Clad Exterior, Add</i>	26.73	



Openings	08	08
Windows	08 50	
Wood Windows	08 52	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 19 00-0026	EA		30" x 36", Sash-Only Replacement Kit For Double Hung Wood Windows..... <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	311.04 25.65 27.48	
08 52 19 00-0027	EA		32" x 36", Sash-Only Replacement Kit For Double Hung Wood Windows..... <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	319.59 26.49 28.38	
08 52 19 00-0028	EA		34" x 36", Sash-Only Replacement Kit For Double Hung Wood Windows..... <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	327.12 27.19 29.13	
08 52 19 00-0029	EA		36" x 36", Sash-Only Replacement Kit For Double Hung Wood Windows..... <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	335.66 28.03 30.03	
08 52 19 00-0030	EA		40" x 36", Sash-Only Replacement Kit For Double Hung Wood Windows..... <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	350.74 29.43 31.53	
08 52 19 00-0031	EA		44" x 36", Sash-Only Replacement Kit For Double Hung Wood Windows..... <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	366.81 30.97 33.18	
08 52 19 00-0032			38" Height, Sash-Only Replacement Kits For Double Hung Wood Windows <small>(08 52 19 00-0001)</small>		
08 52 19 00-0033	EA		20" x 38", Sash-Only Replacement Kit For Double Hung Wood Windows..... <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	280.43 22.42 24.02	
08 52 19 00-0034	EA		24" x 38", Sash-Only Replacement Kit For Double Hung Wood Windows..... <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	296.50 23.96 25.68	
08 52 19 00-0035	EA		28" x 38", Sash-Only Replacement Kit For Double Hung Wood Windows..... <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	313.58 25.65 27.48	
08 52 19 00-0036	EA		30" x 38", Sash-Only Replacement Kit For Double Hung Wood Windows..... <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	322.12 26.49 28.38	
08 52 19 00-0037	EA		32" x 38", Sash-Only Replacement Kit For Double Hung Wood Windows..... <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	329.65 27.19 29.13	
08 52 19 00-0038	EA		34" x 38", Sash-Only Replacement Kit For Double Hung Wood Windows..... <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	338.19 28.03 30.03	
08 52 19 00-0039	EA		36" x 38", Sash-Only Replacement Kit For Double Hung Wood Windows..... <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	345.73 28.73 30.78	
08 52 19 00-0040	EA		40" x 38", Sash-Only Replacement Kit For Double Hung Wood Windows..... <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	361.81 30.27 32.43	
08 52 19 00-0041	EA		44" x 38", Sash-Only Replacement Kit For Double Hung Wood Windows..... <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	377.89 31.81 34.08	
08 52 19 00-0042			46" Height, Sash-Only Replacement Kits For Double Hung Wood Windows <small>(08 52 19 00-0001)</small>		
08 52 19 00-0043	EA		20" x 46", Sash-Only Replacement Kit For Double Hung Wood Windows..... <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	312.31 25.65 27.48	
08 52 19 00-0044	EA		24" x 46", Sash-Only Replacement Kit For Double Hung Wood Windows..... <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	328.38 27.19 29.13	
08 52 19 00-0045	EA		28" x 46", Sash-Only Replacement Kit For Double Hung Wood Windows..... <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	344.46 28.73 30.78	
08 52 19 00-0046	EA		30" x 46", Sash-Only Replacement Kit For Double Hung Wood Windows..... <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	352.00 29.43 31.53	
08 52 19 00-0047	EA		32" x 46", Sash-Only Replacement Kit For Double Hung Wood Windows..... <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	360.54 30.27 32.43	
08 52 19 00-0048	EA		34" x 46", Sash-Only Replacement Kit For Double Hung Wood Windows..... <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	368.07 30.97 33.18	
08 52 19 00-0049	EA		36" x 46", Sash-Only Replacement Kit For Double Hung Wood Windows..... <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	376.62 31.81 34.08	
08 52 19 00-0050	EA		40" x 46", Sash-Only Replacement Kit For Double Hung Wood Windows..... <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	392.69 33.35 35.74	
08 52 19 00-0051	EA		44" x 46", Sash-Only Replacement Kit For Double Hung Wood Windows..... <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	409.77 35.04 37.54	
08 52 19 00-0052			48" Height, Sash-Only Replacement Kits For Double Hung Wood Windows <small>(08 52 19 00-0001)</small>		

08 Openings**08 50 Windows****08 52 Wood Windows**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 19 00-0053	EA		20" x 48", Sash-Only Replacement Kit For Double Hung Wood Windows.....	319.59	
			<i>For Low-E Insulated Glass, Add</i>	26.49	
			<i>For Aluminum Clad Exterior, Add</i>	28.38	
08 52 19 00-0054	EA		24" x 48", Sash-Only Replacement Kit For Double Hung Wood Windows.....	335.66	
			<i>For Low-E Insulated Glass, Add</i>	28.03	
			<i>For Aluminum Clad Exterior, Add</i>	30.03	
08 52 19 00-0055	EA		28" x 48", Sash-Only Replacement Kit For Double Hung Wood Windows.....	350.74	
			<i>For Low-E Insulated Glass, Add</i>	29.43	
			<i>For Aluminum Clad Exterior, Add</i>	31.53	
08 52 19 00-0056	EA		30" x 48", Sash-Only Replacement Kit For Double Hung Wood Windows.....	359.27	
			<i>For Low-E Insulated Glass, Add</i>	30.27	
			<i>For Aluminum Clad Exterior, Add</i>	32.43	
08 52 19 00-0057	EA		32" x 48", Sash-Only Replacement Kit For Double Hung Wood Windows.....	366.81	
			<i>For Low-E Insulated Glass, Add</i>	30.97	
			<i>For Aluminum Clad Exterior, Add</i>	33.18	
08 52 19 00-0058	EA		34" x 48", Sash-Only Replacement Kit For Double Hung Wood Windows.....	375.35	
			<i>For Low-E Insulated Glass, Add</i>	31.81	
			<i>For Aluminum Clad Exterior, Add</i>	34.08	
08 52 19 00-0059	EA		36" x 48", Sash-Only Replacement Kit For Double Hung Wood Windows.....	382.89	
			<i>For Low-E Insulated Glass, Add</i>	32.51	
			<i>For Aluminum Clad Exterior, Add</i>	34.83	
08 52 19 00-0060	EA		40" x 48", Sash-Only Replacement Kit For Double Hung Wood Windows.....	399.96	
			<i>For Low-E Insulated Glass, Add</i>	34.19	
			<i>For Aluminum Clad Exterior, Add</i>	36.64	
08 52 19 00-0061	EA		44" x 48", Sash-Only Replacement Kit For Double Hung Wood Windows.....	416.04	
			<i>For Low-E Insulated Glass, Add</i>	35.74	
			<i>For Aluminum Clad Exterior, Add</i>	38.29	
08 52 19 00-0062			50" Height, Sash-Only Replacement Kits For Double Hung Wood Windows		
			<small>(08 52 19 00-0001)</small>		
08 52 19 00-0063	EA		20" x 50", Sash-Only Replacement Kit For Double Hung Wood Windows.....	329.65	
			<i>For Low-E Insulated Glass, Add</i>	27.19	
			<i>For Aluminum Clad Exterior, Add</i>	29.13	
08 52 19 00-0064	EA		24" x 50", Sash-Only Replacement Kit For Double Hung Wood Windows.....	345.73	
			<i>For Low-E Insulated Glass, Add</i>	28.73	
			<i>For Aluminum Clad Exterior, Add</i>	30.78	
08 52 19 00-0065	EA		28" x 50", Sash-Only Replacement Kit For Double Hung Wood Windows.....	361.81	
			<i>For Low-E Insulated Glass, Add</i>	30.27	
			<i>For Aluminum Clad Exterior, Add</i>	32.43	
08 52 19 00-0066	EA		30" x 50", Sash-Only Replacement Kit For Double Hung Wood Windows.....	369.34	
			<i>For Low-E Insulated Glass, Add</i>	30.97	
			<i>For Aluminum Clad Exterior, Add</i>	33.18	
08 52 19 00-0067	EA		32" x 50", Sash-Only Replacement Kit For Double Hung Wood Windows.....	377.89	
			<i>For Low-E Insulated Glass, Add</i>	31.81	
			<i>For Aluminum Clad Exterior, Add</i>	34.08	
08 52 19 00-0068	EA		34" x 50", Sash-Only Replacement Kit For Double Hung Wood Windows.....	385.41	
			<i>For Low-E Insulated Glass, Add</i>	32.51	
			<i>For Aluminum Clad Exterior, Add</i>	34.83	
08 52 19 00-0069	EA		36" x 50", Sash-Only Replacement Kit For Double Hung Wood Windows.....	393.96	
			<i>For Low-E Insulated Glass, Add</i>	33.35	
			<i>For Aluminum Clad Exterior, Add</i>	35.74	
08 52 19 00-0070	EA		40" x 50", Sash-Only Replacement Kit For Double Hung Wood Windows.....	411.03	
			<i>For Low-E Insulated Glass, Add</i>	35.04	
			<i>For Aluminum Clad Exterior, Add</i>	37.54	
08 52 19 00-0071	EA		44" x 50", Sash-Only Replacement Kit For Double Hung Wood Windows.....	427.11	
			<i>For Low-E Insulated Glass, Add</i>	36.58	
			<i>For Aluminum Clad Exterior, Add</i>	39.19	
08 52 19 00-0072			54" Height, Sash-Only Replacement Kits For Double Hung Wood Windows		
			<small>(08 52 19 00-0001)</small>		
08 52 19 00-0073	EA		20" x 54", Sash-Only Replacement Kit For Double Hung Wood Windows.....	345.73	
			<i>For Low-E Insulated Glass, Add</i>	28.73	
			<i>For Aluminum Clad Exterior, Add</i>	30.78	
08 52 19 00-0074	EA		24" x 54", Sash-Only Replacement Kit For Double Hung Wood Windows.....	361.81	
			<i>For Low-E Insulated Glass, Add</i>	30.27	
			<i>For Aluminum Clad Exterior, Add</i>	32.43	
08 52 19 00-0075	EA		28" x 54", Sash-Only Replacement Kit For Double Hung Wood Windows.....	377.89	
			<i>For Low-E Insulated Glass, Add</i>	31.81	
			<i>For Aluminum Clad Exterior, Add</i>	34.08	
08 52 19 00-0076	EA		30" x 54", Sash-Only Replacement Kit For Double Hung Wood Windows.....	385.41	
			<i>For Low-E Insulated Glass, Add</i>	32.51	
			<i>For Aluminum Clad Exterior, Add</i>	34.83	
08 52 19 00-0077	EA		32" x 54", Sash-Only Replacement Kit For Double Hung Wood Windows.....	393.96	
			<i>For Low-E Insulated Glass, Add</i>	33.35	
			<i>For Aluminum Clad Exterior, Add</i>	35.74	
08 52 19 00-0078	EA		34" x 54", Sash-Only Replacement Kit For Double Hung Wood Windows.....	402.49	
			<i>For Low-E Insulated Glass, Add</i>	34.19	
			<i>For Aluminum Clad Exterior, Add</i>	36.64	
08 52 19 00-0079	EA		36" x 54", Sash-Only Replacement Kit For Double Hung Wood Windows.....	411.03	
			<i>For Low-E Insulated Glass, Add</i>	35.04	
			<i>For Aluminum Clad Exterior, Add</i>	37.54	
08 52 19 00-0080	EA		40" x 54", Sash-Only Replacement Kit For Double Hung Wood Windows.....	427.11	
			<i>For Low-E Insulated Glass, Add</i>	36.58	
			<i>For Aluminum Clad Exterior, Add</i>	39.19	



Openings	08	08
Windows	08 50	
Wood Windows	08 52	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 19 00-0081 EA 44" x 54", Sash-Only Replacement Kit For Double Hung Wood Windows.....	443.18	
<i>For Low-E Insulated Glass, Add</i>	38.12	
<i>For Aluminum Clad Exterior, Add</i>	40.84	
08 52 19 00-0082 58" Height, Sash-Only Replacement Kits For Double Hung Wood Windows		
<small>(08 52 19 00-0001)</small>		
08 52 19 00-0083 EA 20" x 58", Sash-Only Replacement Kit For Double Hung Wood Windows.....	360.54	
<i>For Low-E Insulated Glass, Add</i>	30.27	
<i>For Aluminum Clad Exterior, Add</i>	32.43	
08 52 19 00-0084 EA 24" x 58", Sash-Only Replacement Kit For Double Hung Wood Windows.....	376.62	
<i>For Low-E Insulated Glass, Add</i>	31.81	
<i>For Aluminum Clad Exterior, Add</i>	34.08	
08 52 19 00-0085 EA 28" x 58", Sash-Only Replacement Kit For Double Hung Wood Windows.....	392.69	
<i>For Low-E Insulated Glass, Add</i>	33.35	
<i>For Aluminum Clad Exterior, Add</i>	35.74	
08 52 19 00-0086 EA 30" x 58", Sash-Only Replacement Kit For Double Hung Wood Windows.....	401.22	
<i>For Low-E Insulated Glass, Add</i>	34.19	
<i>For Aluminum Clad Exterior, Add</i>	36.64	
08 52 19 00-0087 EA 32" x 58", Sash-Only Replacement Kit For Double Hung Wood Windows.....	409.77	
<i>For Low-E Insulated Glass, Add</i>	35.04	
<i>For Aluminum Clad Exterior, Add</i>	37.54	
08 52 19 00-0088 EA 34" x 58", Sash-Only Replacement Kit For Double Hung Wood Windows.....	417.30	
<i>For Low-E Insulated Glass, Add</i>	35.74	
<i>For Aluminum Clad Exterior, Add</i>	38.29	
08 52 19 00-0089 EA 36" x 58", Sash-Only Replacement Kit For Double Hung Wood Windows.....	425.84	
<i>For Low-E Insulated Glass, Add</i>	36.58	
<i>For Aluminum Clad Exterior, Add</i>	39.19	
08 52 19 00-0090 EA 40" x 58", Sash-Only Replacement Kit For Double Hung Wood Windows.....	441.91	
<i>For Low-E Insulated Glass, Add</i>	38.12	
<i>For Aluminum Clad Exterior, Add</i>	40.84	
08 52 19 00-0091 EA 44" x 58", Sash-Only Replacement Kit For Double Hung Wood Windows.....	456.99	
<i>For Low-E Insulated Glass, Add</i>	39.52	
<i>For Aluminum Clad Exterior, Add</i>	42.34	
08 52 19 00-0092 60" Height, Sash-Only Replacement Kits For Double Hung Wood Windows		
<small>(08 52 19 00-0001)</small>		
08 52 19 00-0093 EA 20" x 60", Sash-Only Replacement Kit For Double Hung Wood Windows.....	366.81	
<i>For Low-E Insulated Glass, Add</i>	30.97	
<i>For Aluminum Clad Exterior, Add</i>	33.18	
08 52 19 00-0094 EA 24" x 60", Sash-Only Replacement Kit For Double Hung Wood Windows.....	382.89	
<i>For Low-E Insulated Glass, Add</i>	32.51	
<i>For Aluminum Clad Exterior, Add</i>	34.83	
08 52 19 00-0095 EA 28" x 60", Sash-Only Replacement Kit For Double Hung Wood Windows.....	399.96	
<i>For Low-E Insulated Glass, Add</i>	34.19	
<i>For Aluminum Clad Exterior, Add</i>	36.64	
08 52 19 00-0096 EA 30" x 60", Sash-Only Replacement Kit For Double Hung Wood Windows.....	408.50	
<i>For Low-E Insulated Glass, Add</i>	35.04	
<i>For Aluminum Clad Exterior, Add</i>	37.54	
08 52 19 00-0097 EA 32" x 60", Sash-Only Replacement Kit For Double Hung Wood Windows.....	416.04	
<i>For Low-E Insulated Glass, Add</i>	35.74	
<i>For Aluminum Clad Exterior, Add</i>	38.29	
08 52 19 00-0098 EA 34" x 60", Sash-Only Replacement Kit For Double Hung Wood Windows.....	424.57	
<i>For Low-E Insulated Glass, Add</i>	36.58	
<i>For Aluminum Clad Exterior, Add</i>	39.19	
08 52 19 00-0099 EA 36" x 60", Sash-Only Replacement Kit For Double Hung Wood Windows.....	432.12	
<i>For Low-E Insulated Glass, Add</i>	37.28	
<i>For Aluminum Clad Exterior, Add</i>	39.94	
08 52 19 00-0100 EA 40" x 60", Sash-Only Replacement Kit For Double Hung Wood Windows.....	448.19	
<i>For Low-E Insulated Glass, Add</i>	38.82	
<i>For Aluminum Clad Exterior, Add</i>	41.59	
08 52 19 00-0101 EA 44" x 60", Sash-Only Replacement Kit For Double Hung Wood Windows.....	464.27	
<i>For Low-E Insulated Glass, Add</i>	40.36	
<i>For Aluminum Clad Exterior, Add</i>	43.24	
08 52 19 00-0102 62" Height, Sash-Only Replacement Kits For Double Hung Wood Windows		
<small>(08 52 19 00-0001)</small>		
08 52 19 00-0103 EA 20" x 62", Sash-Only Replacement Kit For Double Hung Wood Windows.....	377.89	
<i>For Low-E Insulated Glass, Add</i>	31.81	
<i>For Aluminum Clad Exterior, Add</i>	34.08	
08 52 19 00-0104 EA 24" x 62", Sash-Only Replacement Kit For Double Hung Wood Windows.....	393.96	
<i>For Low-E Insulated Glass, Add</i>	33.35	
<i>For Aluminum Clad Exterior, Add</i>	35.74	
08 52 19 00-0105 EA 28" x 62", Sash-Only Replacement Kit For Double Hung Wood Windows.....	411.03	
<i>For Low-E Insulated Glass, Add</i>	35.04	
<i>For Aluminum Clad Exterior, Add</i>	37.54	
08 52 19 00-0106 EA 30" x 62", Sash-Only Replacement Kit For Double Hung Wood Windows.....	418.57	
<i>For Low-E Insulated Glass, Add</i>	35.74	
<i>For Aluminum Clad Exterior, Add</i>	38.29	
08 52 19 00-0107 EA 32" x 62", Sash-Only Replacement Kit For Double Hung Wood Windows.....	427.11	
<i>For Low-E Insulated Glass, Add</i>	36.58	
<i>For Aluminum Clad Exterior, Add</i>	39.19	

08 Openings**08 50 Windows****08 52 Wood Windows**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 19 00-0108	EA		34" x 62", Sash-Only Replacement Kit For Double Hung Wood Windows.....	434.64	
			<i>For Low-E Insulated Glass, Add</i>	37.28	
			<i>For Aluminum Clad Exterior, Add</i>	39.94	
08 52 19 00-0109	EA		36" x 62", Sash-Only Replacement Kit For Double Hung Wood Windows.....	443.18	
			<i>For Low-E Insulated Glass, Add</i>	38.12	
			<i>For Aluminum Clad Exterior, Add</i>	40.84	
08 52 19 00-0110	EA		40" x 62", Sash-Only Replacement Kit For Double Hung Wood Windows.....	458.26	
			<i>For Low-E Insulated Glass, Add</i>	39.52	
			<i>For Aluminum Clad Exterior, Add</i>	42.34	
08 52 19 00-0111	EA		44" x 62", Sash-Only Replacement Kit For Double Hung Wood Windows.....	474.33	
			<i>For Low-E Insulated Glass, Add</i>	41.06	
			<i>For Aluminum Clad Exterior, Add</i>	43.99	
08 52 19 00-0112			66" Height, Sash-Only Replacement Kits For Double Hung Wood Windows		
			<small>(08 52 19 00-0001)</small>		
08 52 19 00-0113	EA		20" x 66", Sash-Only Replacement Kit For Double Hung Wood Windows.....	393.96	
			<i>For Low-E Insulated Glass, Add</i>	33.35	
			<i>For Aluminum Clad Exterior, Add</i>	35.74	
08 52 19 00-0114	EA		24" x 66", Sash-Only Replacement Kit For Double Hung Wood Windows.....	411.03	
			<i>For Low-E Insulated Glass, Add</i>	35.04	
			<i>For Aluminum Clad Exterior, Add</i>	37.54	
08 52 19 00-0115	EA		28" x 66", Sash-Only Replacement Kit For Double Hung Wood Windows.....	427.11	
			<i>For Low-E Insulated Glass, Add</i>	36.58	
			<i>For Aluminum Clad Exterior, Add</i>	39.19	
08 52 19 00-0116	EA		30" x 66", Sash-Only Replacement Kit For Double Hung Wood Windows.....	434.64	
			<i>For Low-E Insulated Glass, Add</i>	37.28	
			<i>For Aluminum Clad Exterior, Add</i>	39.94	
08 52 19 00-0117	EA		32" x 66", Sash-Only Replacement Kit For Double Hung Wood Windows.....	443.18	
			<i>For Low-E Insulated Glass, Add</i>	38.12	
			<i>For Aluminum Clad Exterior, Add</i>	40.84	
08 52 19 00-0118	EA		34" x 66", Sash-Only Replacement Kit For Double Hung Wood Windows.....	450.72	
			<i>For Low-E Insulated Glass, Add</i>	38.82	
			<i>For Aluminum Clad Exterior, Add</i>	41.59	
08 52 19 00-0119	EA		36" x 66", Sash-Only Replacement Kit For Double Hung Wood Windows.....	458.26	
			<i>For Low-E Insulated Glass, Add</i>	39.52	
			<i>For Aluminum Clad Exterior, Add</i>	42.34	
08 52 19 00-0120	EA		40" x 66", Sash-Only Replacement Kit For Double Hung Wood Windows.....	474.33	
			<i>For Low-E Insulated Glass, Add</i>	41.06	
			<i>For Aluminum Clad Exterior, Add</i>	43.99	
08 52 19 00-0121	EA		44" x 66", Sash-Only Replacement Kit For Double Hung Wood Windows.....	490.40	
			<i>For Low-E Insulated Glass, Add</i>	42.60	
			<i>For Aluminum Clad Exterior, Add</i>	45.65	
08 52 19 00-0122			70" Height, Sash-Only Replacement Kits For Double Hung Wood Windows		
			<small>(08 52 19 00-0001)</small>		
08 52 19 00-0123	EA		20" x 70", Sash-Only Replacement Kit For Double Hung Wood Windows.....	409.77	
			<i>For Low-E Insulated Glass, Add</i>	35.04	
			<i>For Aluminum Clad Exterior, Add</i>	37.54	
08 52 19 00-0124	EA		24" x 70", Sash-Only Replacement Kit For Double Hung Wood Windows.....	425.84	
			<i>For Low-E Insulated Glass, Add</i>	36.58	
			<i>For Aluminum Clad Exterior, Add</i>	39.19	
08 52 19 00-0125	EA		28" x 70", Sash-Only Replacement Kit For Double Hung Wood Windows.....	441.91	
			<i>For Low-E Insulated Glass, Add</i>	38.12	
			<i>For Aluminum Clad Exterior, Add</i>	40.84	
08 52 19 00-0126	EA		30" x 70", Sash-Only Replacement Kit For Double Hung Wood Windows.....	449.45	
			<i>For Low-E Insulated Glass, Add</i>	38.82	
			<i>For Aluminum Clad Exterior, Add</i>	41.59	
08 52 19 00-0127	EA		32" x 70", Sash-Only Replacement Kit For Double Hung Wood Windows.....	456.99	
			<i>For Low-E Insulated Glass, Add</i>	39.52	
			<i>For Aluminum Clad Exterior, Add</i>	42.34	
08 52 19 00-0128	EA		34" x 70", Sash-Only Replacement Kit For Double Hung Wood Windows.....	468.49	
			<i>For Low-E Insulated Glass, Add</i>	40.78	
			<i>For Aluminum Clad Exterior, Add</i>	43.69	
08 52 19 00-0129	EA		36" x 70", Sash-Only Replacement Kit For Double Hung Wood Windows.....	474.11	
			<i>For Low-E Insulated Glass, Add</i>	41.21	
			<i>For Aluminum Clad Exterior, Add</i>	44.15	
08 52 19 00-0130	EA		40" x 70", Sash-Only Replacement Kit For Double Hung Wood Windows.....	489.14	
			<i>For Low-E Insulated Glass, Add</i>	42.60	
			<i>For Aluminum Clad Exterior, Add</i>	45.65	
08 52 19 00-0131	EA		44" x 70", Sash-Only Replacement Kit For Double Hung Wood Windows.....	506.22	
			<i>For Low-E Insulated Glass, Add</i>	44.28	
			<i>For Aluminum Clad Exterior, Add</i>	47.45	
08 52 19 00-0132			74" Height, Sash-Only Replacement Kits For Double Hung Wood Windows		
			<small>(08 52 19 00-0001)</small>		
08 52 19 00-0133	EA		20" x 74", Sash-Only Replacement Kit For Double Hung Wood Windows.....	427.11	
			<i>For Low-E Insulated Glass, Add</i>	36.58	
			<i>For Aluminum Clad Exterior, Add</i>	39.19	
08 52 19 00-0134	EA		24" x 74", Sash-Only Replacement Kit For Double Hung Wood Windows.....	443.18	
			<i>For Low-E Insulated Glass, Add</i>	38.12	
			<i>For Aluminum Clad Exterior, Add</i>	40.84	



Openings	08	08
Windows	08 50	
Wood Windows	08 52	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 19 00-0135	EA		28" x 74", Sash-Only Replacement Kit For Double Hung Wood Windows..... <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	458.26 39.52 42.34	
08 52 19 00-0136	EA		30" x 74", Sash-Only Replacement Kit For Double Hung Wood Windows..... <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	466.79 40.36 43.24	
08 52 19 00-0137	EA		32" x 74", Sash-Only Replacement Kit For Double Hung Wood Windows..... <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	474.33 41.06 43.99	
08 52 19 00-0138	EA		34" x 74", Sash-Only Replacement Kit For Double Hung Wood Windows..... <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	482.87 41.90 44.90	
08 52 19 00-0139	EA		36" x 74", Sash-Only Replacement Kit For Double Hung Wood Windows..... <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	490.40 42.60 45.65	
08 52 19 00-0140	EA		40" x 74", Sash-Only Replacement Kit For Double Hung Wood Windows..... <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	507.49 44.28 47.45	
08 52 19 00-0141	EA		44" x 74", Sash-Only Replacement Kit For Double Hung Wood Windows..... <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	523.56 45.83 49.10	
08 52 19 00-0142			78" Height, Sash-Only Replacement Kits For Double Hung Wood Windows <small>(08 52 19 00-0001)</small>		
08 52 19 00-0143	EA		20" x 78", Sash-Only Replacement Kit For Double Hung Wood Windows..... <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	448.25 38.12 40.84	
08 52 19 00-0144	EA		24" x 78", Sash-Only Replacement Kit For Double Hung Wood Windows..... <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	463.32 39.52 42.34	
08 52 19 00-0145	EA		28" x 78", Sash-Only Replacement Kit For Double Hung Wood Windows..... <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	479.39 41.06 43.99	
08 52 19 00-0146	EA		30" x 78", Sash-Only Replacement Kit For Double Hung Wood Windows..... <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	487.93 41.90 44.90	
08 52 19 00-0147	EA		32" x 78", Sash-Only Replacement Kit For Double Hung Wood Windows..... <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	495.47 42.60 45.65	
08 52 19 00-0148	EA		34" x 78", Sash-Only Replacement Kit For Double Hung Wood Windows..... <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	504.01 43.44 46.55	
08 52 19 00-0149	EA		36" x 78", Sash-Only Replacement Kit For Double Hung Wood Windows..... <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	512.55 44.28 47.45	
08 52 19 00-0150	EA		40" x 78", Sash-Only Replacement Kit For Double Hung Wood Windows..... <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	528.62 45.83 49.10	
08 52 19 00-0151	EA		44" x 78", Sash-Only Replacement Kit For Double Hung Wood Windows..... <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	544.69 47.37 50.75	
08 52 19 00-0152			Commercial And Institutional Heavy Double Hung Windows <small>(08 52 19)</small> Note: With true divided lites. Performance grade DP 40 in NWWDA I.S. 2-93. Includes complete unit with hardware, blocking and accessories, glazing, caulking, prepare opening, anchors, testing and certifications. Excludes painting.		
08 52 19 00-0153	SF		Up To 21 SF Double Hung Wood Window With True Divided Lite <i>For Insulating Glass, Add</i>	65.78 3.67	11.31
08 52 19 00-0154	SF		21 To 40 SF Double Hung Wood Window With True Divided Lite <i>For Insulating Glass, Add</i>	63.78 3.29	12.57
08 52 19 00-0155	SF		40 SF And Over Double Hung Wood Window With True Divided Lite <i>For Insulating Glass, Add</i>	62.28 2.89	14.10
08 52 19 00-0156			Architectural And Historic Reproduction Wood Windows <small>(08 52 19)</small> Note: Fixed casement, awning, and double hung. With true divided lites. Casement performance grade DP 40; awning performance grade DP 25; double hung performance grade DP 30. Includes complete unit with hardware, blocking and accessories, glazing, caulking, prepare opening, anchors, testing and certifications. Excludes painting.		
08 52 19 00-0157	SF		Up To 21 SF Architectural And Historic Reproduction Wood Window <i>For Insulating Glass, Add</i>	70.33 4.06	11.30
08 52 19 00-0158	SF		21 To 40 SF Architectural And Historic Reproduction Wood Window <i>For Insulating Glass, Add</i>	66.24 3.50	12.57
08 52 19 00-0159	SF		40 SF And Over Architectural And Historic Reproduction Wood Window <i>For Insulating Glass, Add</i>	63.72 3.01	14.10
08 52 19 00-0160			Removal And Reinstallation Of Wood Window And Frame <small>(08 52 19)</small> Note: Includes storage, cleaning and supply materials.		
08 52 19 00-0161	SF		Removal And Reinstallation Of Wood Windows And Frames.....	27.75	
08 52 66			Wood Window Screens <small>(08 52)</small>		

08 Openings**08 50 Windows****08 52 Wood Windows**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 66 00-0001			Insect Screens For Wood Clad Windows <small>(08 52 66)</small>		
08 52 66 00-0002	EA		Up To 6 SF, Insect Screen For Wood Clad Windows.....	29.56	7.21
08 52 66 00-0003	EA		>6 To 9 SF, Insect Screen For Wood Clad Windows.....	33.88	7.21
08 52 66 00-0004	EA		>9 To 12 SF, Insect Screen For Wood Clad Windows.....	36.05	7.21
08 52 66 00-0005	EA		>12 To 15 SF, Insect Screen For Wood Clad Windows.....	40.37	7.21
08 52 66 00-0006	EA		>15 To 20 SF, Insect Screen For Wood Clad Windows.....	49.01	7.21
08 52 66 00-0007	EA		>20 To 25 SF, Insect Screen For Wood Clad Windows.....	53.34	7.21
08 52 66 00-0008	EA		>25 To 30 SF, Insect Screen For Wood Clad Windows.....	57.66	7.21
08 52 66 00-0009	EA		>30 To 35 SF, Insect Screen For Wood Clad Windows.....	61.98	7.21
08 52 66 00-0010	SF		>35 SF, Insect Screen For Wood Clad Windows.....	1.84	0.14
08 53			Plastic Windows <small>(08 50)</small>		
08 53 13			Vinyl Windows <small>(08 53)</small>		
08 53 13 00-0001			Single Hung Vinyl Windows <small>(08 53 13)</small>		
08 53 13 00-0002			New Construction, Single Hung Vinyl Windows (Silver Line 2200) <small>(08 53 13 00-0001)</small> Note: Includes white solid vinyl interior and exterior, standard hardware, clear insulated glass and insect screen. Excludes grilles.		
08 53 13 00-0003			34" Height, New Construction, Single Hung Vinyl Windows (Silver Line 2200) <small>(08 53 13 00-0002)</small>		
08 53 13 00-0004	EA		24" x 34", New Construction, Single Hung Vinyl Window (Silver Line 2200)	171.18	41.59
			For Colored Vinyl, Add	8.80	
			For Tinted Glass, Add	10.56	
			For Low-E Insulated Glass, Add	22.00	
			For Obscure Glass, Add	24.20	
08 53 13 00-0005	EA		28" x 34", New Construction, Single Hung Vinyl Window (Silver Line 2200)	179.70	43.41
			For Colored Vinyl, Add	9.29	
			For Tinted Glass, Add	11.15	
			For Low-E Insulated Glass, Add	23.22	
			For Obscure Glass, Add	25.54	
08 53 13 00-0006	EA		30" x 34", New Construction, Single Hung Vinyl Window (Silver Line 2200)	183.40	44.31
			For Colored Vinyl, Add	9.48	
			For Tinted Glass, Add	11.37	
			For Low-E Insulated Glass, Add	23.70	
			For Obscure Glass, Add	26.06	
08 53 13 00-0007	EA		32" x 34", New Construction, Single Hung Vinyl Window (Silver Line 2200)	187.36	45.22
			For Colored Vinyl, Add	9.69	
			For Tinted Glass, Add	11.63	
			For Low-E Insulated Glass, Add	24.23	
			For Obscure Glass, Add	26.66	
08 53 13 00-0008	EA		36" x 34", New Construction, Single Hung Vinyl Window (Silver Line 2200)	196.96	47.03
			For Colored Vinyl, Add	10.29	
			For Tinted Glass, Add	12.35	
			For Low-E Insulated Glass, Add	25.73	
			For Obscure Glass, Add	28.30	
08 53 13 00-0009	EA		44" x 34", New Construction, Single Hung Vinyl Window (Silver Line 2200)	213.26	50.64
			For Colored Vinyl, Add	11.20	
			For Tinted Glass, Add	13.44	
			For Low-E Insulated Glass, Add	28.00	
			For Obscure Glass, Add	30.79	
08 53 13 00-0010			36" Height, New Construction, Single Hung Vinyl Windows (Silver Line 2200) <small>(08 53 13 00-0002)</small>		
08 53 13 00-0011	EA		24" x 36", New Construction, Single Hung Vinyl Window (Silver Line 2200)	174.71	42.50
			For Colored Vinyl, Add	8.97	
			For Tinted Glass, Add	10.77	
			For Low-E Insulated Glass, Add	22.43	
			For Obscure Glass, Add	24.67	
08 53 13 00-0012	EA		28" x 36", New Construction, Single Hung Vinyl Window (Silver Line 2200)	183.24	43.41
			For Colored Vinyl, Add	9.46	
			For Tinted Glass, Add	11.35	
			For Low-E Insulated Glass, Add	23.66	
			For Obscure Glass, Add	26.02	
08 53 13 00-0013	EA		30" x 36", New Construction, Single Hung Vinyl Window (Silver Line 2200)	186.94	45.22
			For Colored Vinyl, Add	9.65	
			For Tinted Glass, Add	11.58	
			For Low-E Insulated Glass, Add	24.13	
			For Obscure Glass, Add	26.54	
08 53 13 00-0014	EA		32" x 36", New Construction, Single Hung Vinyl Window (Silver Line 2200)	190.88	46.12
			For Colored Vinyl, Add	9.87	
			For Tinted Glass, Add	11.84	
			For Low-E Insulated Glass, Add	24.66	
			For Obscure Glass, Add	27.13	
08 53 13 00-0015	EA		36" x 36", New Construction, Single Hung Vinyl Window (Silver Line 2200)	200.50	47.92
			For Colored Vinyl, Add	10.47	
			For Tinted Glass, Add	12.56	
			For Low-E Insulated Glass, Add	26.16	
			For Obscure Glass, Add	28.78	



Openings	08	08
Windows	08 50	
Plastic Windows	08 53	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0016 EA 44" x 36", New Construction, Single Hung Vinyl Window (Silver Line 2200)	216.80	51.54
For Colored Vinyl, Add	11.37	
For Tinted Glass, Add	13.65	
For Low-E Insulated Glass, Add	28.43	
For Obscure Glass, Add	31.27	
08 53 13 00-0017 38" Height, New Construction, Single Hung Vinyl Windows (Silver Line 2200) <small>(08 53 13 00-0002)</small>		
08 53 13 00-0018 EA 24" x 38", New Construction, Single Hung Vinyl Window (Silver Line 2200)	178.17	43.41
For Colored Vinyl, Add	9.14	
For Tinted Glass, Add	10.96	
For Low-E Insulated Glass, Add	22.84	
For Obscure Glass, Add	25.12	
08 53 13 00-0019 EA 28" x 38", New Construction, Single Hung Vinyl Window (Silver Line 2200)	186.69	45.22
For Colored Vinyl, Add	9.63	
For Tinted Glass, Add	11.55	
For Low-E Insulated Glass, Add	24.07	
For Obscure Glass, Add	26.47	
08 53 13 00-0020 EA 30" x 38", New Construction, Single Hung Vinyl Window (Silver Line 2200)	190.50	46.12
For Colored Vinyl, Add	9.83	
For Tinted Glass, Add	11.79	
For Low-E Insulated Glass, Add	24.57	
For Obscure Glass, Add	27.02	
08 53 13 00-0021 EA 32" x 38", New Construction, Single Hung Vinyl Window (Silver Line 2200)	194.45	47.03
For Colored Vinyl, Add	10.04	
For Tinted Glass, Add	12.05	
For Low-E Insulated Glass, Add	25.10	
For Obscure Glass, Add	27.61	
08 53 13 00-0022 EA 36" x 38", New Construction, Single Hung Vinyl Window (Silver Line 2200)	204.19	48.83
For Colored Vinyl, Add	10.65	
For Tinted Glass, Add	12.78	
For Low-E Insulated Glass, Add	26.63	
For Obscure Glass, Add	29.30	
08 53 13 00-0023 EA 44" x 38", New Construction, Single Hung Vinyl Window (Silver Line 2200)	220.66	52.45
For Colored Vinyl, Add	11.58	
For Tinted Glass, Add	13.89	
For Low-E Insulated Glass, Add	28.94	
For Obscure Glass, Add	31.83	
08 53 13 00-0024 44" Height, New Construction, Single Hung Vinyl Windows (Silver Line 2200) <small>(08 53 13 00-0002)</small>		
08 53 13 00-0025 EA 24" x 44", New Construction, Single Hung Vinyl Window (Silver Line 2200)	188.67	46.12
For Colored Vinyl, Add	9.64	
For Tinted Glass, Add	11.57	
For Low-E Insulated Glass, Add	24.11	
For Obscure Glass, Add	26.52	
08 53 13 00-0026 EA 28" x 44", New Construction, Single Hung Vinyl Window (Silver Line 2200)	197.20	47.92
For Colored Vinyl, Add	10.14	
For Tinted Glass, Add	12.16	
For Low-E Insulated Glass, Add	25.34	
For Obscure Glass, Add	27.87	
08 53 13 00-0027 EA 30" x 44", New Construction, Single Hung Vinyl Window (Silver Line 2200)	201.37	48.83
For Colored Vinyl, Add	10.37	
For Tinted Glass, Add	12.45	
For Low-E Insulated Glass, Add	25.93	
For Obscure Glass, Add	28.52	
08 53 13 00-0028 EA 32" x 44", New Construction, Single Hung Vinyl Window (Silver Line 2200)	205.32	49.73
For Colored Vinyl, Add	10.59	
For Tinted Glass, Add	12.70	
For Low-E Insulated Glass, Add	26.46	
For Obscure Glass, Add	29.11	
08 53 13 00-0029 EA 36" x 44", New Construction, Single Hung Vinyl Window (Silver Line 2200)	215.42	51.54
For Colored Vinyl, Add	11.23	
For Tinted Glass, Add	13.48	
For Low-E Insulated Glass, Add	28.08	
For Obscure Glass, Add	30.89	
08 53 13 00-0030 EA 44" x 44", New Construction, Single Hung Vinyl Window (Silver Line 2200)	232.33	55.16
For Colored Vinyl, Add	12.20	
For Tinted Glass, Add	14.64	
For Low-E Insulated Glass, Add	30.50	
For Obscure Glass, Add	33.55	
08 53 13 00-0031 46" Height, New Construction, Single Hung Vinyl Windows (Silver Line 2200) <small>(08 53 13 00-0002)</small>		
08 53 13 00-0032 EA 24" x 46", New Construction, Single Hung Vinyl Window (Silver Line 2200)	192.21	47.03
For Colored Vinyl, Add	9.82	
For Tinted Glass, Add	11.78	
For Low-E Insulated Glass, Add	24.54	
For Obscure Glass, Add	27.00	

08 Openings**08 50 Windows****08 53 Plastic Windows**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0033	EA		28" x 46", New Construction, Single Hung Vinyl Window (Silver Line 2200)	200.73	48.83
			<i>For Colored Vinyl, Add</i>	10.31	
			<i>For Tinted Glass, Add</i>	12.37	
			<i>For Low-E Insulated Glass, Add</i>	25.77	
			<i>For Obscure Glass, Add</i>	28.34	
08 53 13 00-0034	EA		30" x 46", New Construction, Single Hung Vinyl Window (Silver Line 2200)	205.02	49.73
			<i>For Colored Vinyl, Add</i>	10.56	
			<i>For Tinted Glass, Add</i>	12.67	
			<i>For Low-E Insulated Glass, Add</i>	26.39	
			<i>For Obscure Glass, Add</i>	29.03	
08 53 13 00-0035	EA		32" x 46", New Construction, Single Hung Vinyl Window (Silver Line 2200)	208.97	50.64
			<i>For Colored Vinyl, Add</i>	10.77	
			<i>For Tinted Glass, Add</i>	12.92	
			<i>For Low-E Insulated Glass, Add</i>	26.92	
			<i>For Obscure Glass, Add</i>	29.61	
08 53 13 00-0036	EA		36" x 46", New Construction, Single Hung Vinyl Window (Silver Line 2200)	219.18	52.45
			<i>For Colored Vinyl, Add</i>	11.43	
			<i>For Tinted Glass, Add</i>	13.71	
			<i>For Low-E Insulated Glass, Add</i>	28.57	
			<i>For Obscure Glass, Add</i>	31.43	
08 53 13 00-0037	EA		44" x 46", New Construction, Single Hung Vinyl Window (Silver Line 2200)	236.26	56.07
			<i>For Colored Vinyl, Add</i>	12.41	
			<i>For Tinted Glass, Add</i>	14.90	
			<i>For Low-E Insulated Glass, Add</i>	31.03	
			<i>For Obscure Glass, Add</i>	34.14	
08 53 13 00-0038			48" Height, New Construction, Single Hung Vinyl Windows (Silver Line 2200) <small>(08 53 13 00-0002)</small>		
08 53 13 00-0039	EA		24" x 48", New Construction, Single Hung Vinyl Window (Silver Line 2200)	195.77	47.92
			<i>For Colored Vinyl, Add</i>	9.99	
			<i>For Tinted Glass, Add</i>	11.99	
			<i>For Low-E Insulated Glass, Add</i>	24.98	
			<i>For Obscure Glass, Add</i>	27.48	
08 53 13 00-0040	EA		28" x 48", New Construction, Single Hung Vinyl Window (Silver Line 2200)	204.30	49.73
			<i>For Colored Vinyl, Add</i>	10.48	
			<i>For Tinted Glass, Add</i>	12.58	
			<i>For Low-E Insulated Glass, Add</i>	26.21	
			<i>For Obscure Glass, Add</i>	28.83	
08 53 13 00-0041	EA		30" x 48", New Construction, Single Hung Vinyl Window (Silver Line 2200)	208.69	50.64
			<i>For Colored Vinyl, Add</i>	10.74	
			<i>For Tinted Glass, Add</i>	12.89	
			<i>For Low-E Insulated Glass, Add</i>	26.85	
			<i>For Obscure Glass, Add</i>	29.54	
08 53 13 00-0042	EA		32" x 48", New Construction, Single Hung Vinyl Window (Silver Line 2200)	212.64	51.54
			<i>For Colored Vinyl, Add</i>	10.96	
			<i>For Tinted Glass, Add</i>	13.15	
			<i>For Low-E Insulated Glass, Add</i>	27.39	
			<i>For Obscure Glass, Add</i>	30.13	
08 53 13 00-0043	EA		36" x 48", New Construction, Single Hung Vinyl Window (Silver Line 2200)	222.98	53.35
			<i>For Colored Vinyl, Add</i>	11.63	
			<i>For Tinted Glass, Add</i>	13.95	
			<i>For Low-E Insulated Glass, Add</i>	29.07	
			<i>For Obscure Glass, Add</i>	31.97	
08 53 13 00-0044	EA		44" x 48", New Construction, Single Hung Vinyl Window (Silver Line 2200)	240.21	56.97
			<i>For Colored Vinyl, Add</i>	12.63	
			<i>For Tinted Glass, Add</i>	15.15	
			<i>For Low-E Insulated Glass, Add</i>	31.57	
			<i>For Obscure Glass, Add</i>	34.72	
08 53 13 00-0045			50" Height, New Construction, Single Hung Vinyl Windows (Silver Line 2200) <small>(08 53 13 00-0002)</small>		
08 53 13 00-0046	EA		24" x 50", New Construction, Single Hung Vinyl Window (Silver Line 2200)	199.23	48.83
			<i>For Colored Vinyl, Add</i>	10.16	
			<i>For Tinted Glass, Add</i>	12.19	
			<i>For Low-E Insulated Glass, Add</i>	25.39	
			<i>For Obscure Glass, Add</i>	27.93	
08 53 13 00-0047	EA		28" x 50", New Construction, Single Hung Vinyl Window (Silver Line 2200)	207.75	50.64
			<i>For Colored Vinyl, Add</i>	10.65	
			<i>For Tinted Glass, Add</i>	12.78	
			<i>For Low-E Insulated Glass, Add</i>	26.62	
			<i>For Obscure Glass, Add</i>	29.28	
08 53 13 00-0048	EA		30" x 50", New Construction, Single Hung Vinyl Window (Silver Line 2200)	212.27	51.54
			<i>For Colored Vinyl, Add</i>	10.92	
			<i>For Tinted Glass, Add</i>	13.10	
			<i>For Low-E Insulated Glass, Add</i>	27.30	
			<i>For Obscure Glass, Add</i>	30.02	
08 53 13 00-0049	EA		32" x 50", New Construction, Single Hung Vinyl Window (Silver Line 2200)	216.22	52.45
			<i>For Colored Vinyl, Add</i>	11.13	
			<i>For Tinted Glass, Add</i>	13.36	
			<i>For Low-E Insulated Glass, Add</i>	27.83	
			<i>For Obscure Glass, Add</i>	30.61	



Openings	08	08
Windows	08 50	
Plastic Windows	08 53	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0050	EA		36" x 50", New Construction, Single Hung Vinyl Window (Silver Line 2200)	226.65	54.26
			<i>For Colored Vinyl, Add</i>	11.81	
			<i>For Tinted Glass, Add</i>	14.18	
			<i>For Low-E Insulated Glass, Add</i>	29.54	
			<i>For Obscure Glass, Add</i>	32.49	
08 53 13 00-0051	EA		44" x 50", New Construction, Single Hung Vinyl Window (Silver Line 2200)	244.05	57.87
			<i>For Colored Vinyl, Add</i>	12.83	
			<i>For Tinted Glass, Add</i>	15.40	
			<i>For Low-E Insulated Glass, Add</i>	32.08	
			<i>For Obscure Glass, Add</i>	35.28	
08 53 13 00-0052			52" Height, New Construction, Single Hung Vinyl Windows (Silver Line 2200) <small>(08 53 13 00-0002)</small>		
08 53 13 00-0053	EA		24" x 52", New Construction, Single Hung Vinyl Window (Silver Line 2200)	202.69	49.73
			<i>For Colored Vinyl, Add</i>	10.32	
			<i>For Tinted Glass, Add</i>	12.39	
			<i>For Low-E Insulated Glass, Add</i>	25.81	
			<i>For Obscure Glass, Add</i>	28.39	
08 53 13 00-0054	EA		28" x 52", New Construction, Single Hung Vinyl Window (Silver Line 2200)	211.22	51.54
			<i>For Colored Vinyl, Add</i>	10.81	
			<i>For Tinted Glass, Add</i>	12.98	
			<i>For Low-E Insulated Glass, Add</i>	27.03	
			<i>For Obscure Glass, Add</i>	29.74	
08 53 13 00-0055	EA		30" x 52", New Construction, Single Hung Vinyl Window (Silver Line 2200)	215.86	52.45
			<i>For Colored Vinyl, Add</i>	11.10	
			<i>For Tinted Glass, Add</i>	13.32	
			<i>For Low-E Insulated Glass, Add</i>	27.74	
			<i>For Obscure Glass, Add</i>	30.51	
08 53 13 00-0056	EA		32" x 52", New Construction, Single Hung Vinyl Window (Silver Line 2200)	219.81	53.35
			<i>For Colored Vinyl, Add</i>	11.31	
			<i>For Tinted Glass, Add</i>	13.57	
			<i>For Low-E Insulated Glass, Add</i>	28.28	
			<i>For Obscure Glass, Add</i>	31.10	
08 53 13 00-0057	EA		36" x 52", New Construction, Single Hung Vinyl Window (Silver Line 2200)	230.37	55.16
			<i>For Colored Vinyl, Add</i>	12.01	
			<i>For Tinted Glass, Add</i>	14.41	
			<i>For Low-E Insulated Glass, Add</i>	30.01	
			<i>For Obscure Glass, Add</i>	33.01	
08 53 13 00-0058	EA		44" x 52", New Construction, Single Hung Vinyl Window (Silver Line 2200)	247.91	58.78
			<i>For Colored Vinyl, Add</i>	13.04	
			<i>For Tinted Glass, Add</i>	15.64	
			<i>For Low-E Insulated Glass, Add</i>	32.59	
			<i>For Obscure Glass, Add</i>	35.85	
08 53 13 00-0059			54" Height, New Construction, Single Hung Vinyl Windows (Silver Line 2200) <small>(08 53 13 00-0002)</small>		
08 53 13 00-0060	EA		24" x 54", New Construction, Single Hung Vinyl Window (Silver Line 2200)	206.16	50.64
			<i>For Colored Vinyl, Add</i>	10.49	
			<i>For Tinted Glass, Add</i>	12.59	
			<i>For Low-E Insulated Glass, Add</i>	26.22	
			<i>For Obscure Glass, Add</i>	28.84	
08 53 13 00-0061	EA		28" x 54", New Construction, Single Hung Vinyl Window (Silver Line 2200)	214.69	52.45
			<i>For Colored Vinyl, Add</i>	10.98	
			<i>For Tinted Glass, Add</i>	13.17	
			<i>For Low-E Insulated Glass, Add</i>	27.45	
			<i>For Obscure Glass, Add</i>	30.19	
08 53 13 00-0062	EA		30" x 54", New Construction, Single Hung Vinyl Window (Silver Line 2200)	219.44	53.35
			<i>For Colored Vinyl, Add</i>	11.27	
			<i>For Tinted Glass, Add</i>	13.53	
			<i>For Low-E Insulated Glass, Add</i>	28.18	
			<i>For Obscure Glass, Add</i>	31.00	
08 53 13 00-0063	EA		32" x 54", New Construction, Single Hung Vinyl Window (Silver Line 2200)	223.38	54.26
			<i>For Colored Vinyl, Add</i>	11.49	
			<i>For Tinted Glass, Add</i>	13.78	
			<i>For Low-E Insulated Glass, Add</i>	28.72	
			<i>For Obscure Glass, Add</i>	31.59	
08 53 13 00-0064	EA		36" x 54", New Construction, Single Hung Vinyl Window (Silver Line 2200)	234.06	56.07
			<i>For Colored Vinyl, Add</i>	12.19	
			<i>For Tinted Glass, Add</i>	14.63	
			<i>For Low-E Insulated Glass, Add</i>	30.48	
			<i>For Obscure Glass, Add</i>	33.53	
08 53 13 00-0065	EA		44" x 54", New Construction, Single Hung Vinyl Window (Silver Line 2200)	251.75	59.68
			<i>For Colored Vinyl, Add</i>	13.24	
			<i>For Tinted Glass, Add</i>	15.89	
			<i>For Low-E Insulated Glass, Add</i>	33.10	
			<i>For Obscure Glass, Add</i>	36.41	
08 53 13 00-0066			60" Height, New Construction, Single Hung Vinyl Windows (Silver Line 2200) <small>(08 53 13 00-0002)</small>		

08 Openings**08 50 Windows****08 53 Plastic Windows**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0067	EA		24" x 60", New Construction, Single Hung Vinyl Window (Silver Line 2200)	216.77	53.35
			<i>For Colored Vinyl, Add</i>	11.01	
			<i>For Tinted Glass, Add</i>	13.21	
			<i>For Low-E Insulated Glass, Add</i>	27.52	
			<i>For Obscure Glass, Add</i>	30.27	
08 53 13 00-0068	EA		28" x 60", New Construction, Single Hung Vinyl Window (Silver Line 2200)	225.29	55.16
			<i>For Colored Vinyl, Add</i>	11.50	
			<i>For Tinted Glass, Add</i>	13.80	
			<i>For Low-E Insulated Glass, Add</i>	28.74	
			<i>For Obscure Glass, Add</i>	31.62	
08 53 13 00-0069	EA		30" x 60", New Construction, Single Hung Vinyl Window (Silver Line 2200)	230.37	56.07
			<i>For Colored Vinyl, Add</i>	11.82	
			<i>For Tinted Glass, Add</i>	14.19	
			<i>For Low-E Insulated Glass, Add</i>	29.56	
			<i>For Obscure Glass, Add</i>	32.52	
08 53 13 00-0070	EA		32" x 60", New Construction, Single Hung Vinyl Window (Silver Line 2200)	234.32	56.97
			<i>For Colored Vinyl, Add</i>	12.04	
			<i>For Tinted Glass, Add</i>	14.45	
			<i>For Low-E Insulated Glass, Add</i>	30.10	
			<i>For Obscure Glass, Add</i>	33.10	
08 53 13 00-0071	EA		36" x 60", New Construction, Single Hung Vinyl Window (Silver Line 2200)	245.35	58.78
			<i>For Colored Vinyl, Add</i>	12.78	
			<i>For Tinted Glass, Add</i>	15.34	
			<i>For Low-E Insulated Glass, Add</i>	31.95	
			<i>For Obscure Glass, Add</i>	35.15	
08 53 13 00-0072	EA		44" x 60", New Construction, Single Hung Vinyl Window (Silver Line 2200)	263.52	62.40
			<i>For Colored Vinyl, Add</i>	13.87	
			<i>For Tinted Glass, Add</i>	16.65	
			<i>For Low-E Insulated Glass, Add</i>	34.68	
			<i>For Obscure Glass, Add</i>	38.15	
08 53 13 00-0073			62" Height, New Construction, Single Hung Vinyl Windows (Silver Line 2200) <small>(08 53 13 00-0002)</small>		
08 53 13 00-0074	EA		24" x 62", New Construction, Single Hung Vinyl Window (Silver Line 2200)	220.23	54.26
			<i>For Colored Vinyl, Add</i>	11.17	
			<i>For Tinted Glass, Add</i>	13.41	
			<i>For Low-E Insulated Glass, Add</i>	27.93	
			<i>For Obscure Glass, Add</i>	30.72	
08 53 13 00-0075	EA		28" x 62", New Construction, Single Hung Vinyl Window (Silver Line 2200)	228.76	56.07
			<i>For Colored Vinyl, Add</i>	11.66	
			<i>For Tinted Glass, Add</i>	14.00	
			<i>For Low-E Insulated Glass, Add</i>	29.16	
			<i>For Obscure Glass, Add</i>	32.07	
08 53 13 00-0076	EA		30" x 62", New Construction, Single Hung Vinyl Window (Silver Line 2200)	233.98	56.97
			<i>For Colored Vinyl, Add</i>	12.00	
			<i>For Tinted Glass, Add</i>	14.40	
			<i>For Low-E Insulated Glass, Add</i>	30.01	
			<i>For Obscure Glass, Add</i>	33.01	
08 53 13 00-0077	EA		32" x 62", New Construction, Single Hung Vinyl Window (Silver Line 2200)	237.93	57.87
			<i>For Colored Vinyl, Add</i>	12.22	
			<i>For Tinted Glass, Add</i>	14.66	
			<i>For Low-E Insulated Glass, Add</i>	30.55	
			<i>For Obscure Glass, Add</i>	33.60	
08 53 13 00-0078	EA		36" x 62", New Construction, Single Hung Vinyl Window (Silver Line 2200)	249.07	59.68
			<i>For Colored Vinyl, Add</i>	12.97	
			<i>For Tinted Glass, Add</i>	15.57	
			<i>For Low-E Insulated Glass, Add</i>	32.43	
			<i>For Obscure Glass, Add</i>	35.67	
08 53 13 00-0079	EA		44" x 62", New Construction, Single Hung Vinyl Window (Silver Line 2200)	267.40	63.30
			<i>For Colored Vinyl, Add</i>	14.08	
			<i>For Tinted Glass, Add</i>	16.90	
			<i>For Low-E Insulated Glass, Add</i>	35.20	
			<i>For Obscure Glass, Add</i>	38.72	
08 53 13 00-0080			66" Height, New Construction, Single Hung Vinyl Windows (Silver Line 2200) <small>(08 53 13 00-0002)</small>		
08 53 13 00-0081	EA		24" x 66", New Construction, Single Hung Vinyl Window (Silver Line 2200)	227.25	56.07
			<i>For Colored Vinyl, Add</i>	11.51	
			<i>For Tinted Glass, Add</i>	13.81	
			<i>For Low-E Insulated Glass, Add</i>	28.78	
			<i>For Obscure Glass, Add</i>	31.66	
08 53 13 00-0082	EA		28" x 66", New Construction, Single Hung Vinyl Window (Silver Line 2200)	235.77	57.87
			<i>For Colored Vinyl, Add</i>	12.00	
			<i>For Tinted Glass, Add</i>	14.40	
			<i>For Low-E Insulated Glass, Add</i>	30.01	
			<i>For Obscure Glass, Add</i>	33.01	
08 53 13 00-0083	EA		30" x 66", New Construction, Single Hung Vinyl Window (Silver Line 2200)	241.21	58.78
			<i>For Colored Vinyl, Add</i>	12.37	
			<i>For Tinted Glass, Add</i>	14.84	
			<i>For Low-E Insulated Glass, Add</i>	30.92	
			<i>For Obscure Glass, Add</i>	34.01	



Openings	08	08
Windows	08 50	
Plastic Windows	08 53	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0084	EA		32" x 66", New Construction, Single Hung Vinyl Window (Silver Line 2200)	245.16	59.68
			<i>For Colored Vinyl, Add</i>	12.58	
			<i>For Tinted Glass, Add</i>	15.10	
			<i>For Low-E Insulated Glass, Add</i>	31.45	
			<i>For Obscure Glass, Add</i>	34.60	
08 53 13 00-0085	EA		36" x 66", New Construction, Single Hung Vinyl Window (Silver Line 2200)	256.56	61.49
			<i>For Colored Vinyl, Add</i>	13.36	
			<i>For Tinted Glass, Add</i>	16.03	
			<i>For Low-E Insulated Glass, Add</i>	33.40	
			<i>For Obscure Glass, Add</i>	36.73	
08 53 13 00-0086	EA		44" x 66", New Construction, Single Hung Vinyl Window (Silver Line 2200)	275.18	65.10
			<i>For Colored Vinyl, Add</i>	14.50	
			<i>For Tinted Glass, Add</i>	17.40	
			<i>For Low-E Insulated Glass, Add</i>	36.24	
			<i>For Obscure Glass, Add</i>	39.86	
08 53 13 00-0087			72" Height, New Construction, Single Hung Vinyl Windows (Silver Line 2200) <small>(08 53 13 00-0002)</small>		
08 53 13 00-0088	EA		24" x 72", New Construction, Single Hung Vinyl Window (Silver Line 2200)	237.85	58.78
			<i>For Colored Vinyl, Add</i>	12.03	
			<i>For Tinted Glass, Add</i>	14.44	
			<i>For Low-E Insulated Glass, Add</i>	30.08	
			<i>For Obscure Glass, Add</i>	33.08	
08 53 13 00-0089	EA		28" x 72", New Construction, Single Hung Vinyl Window (Silver Line 2200)	246.37	60.59
			<i>For Colored Vinyl, Add</i>	12.52	
			<i>For Tinted Glass, Add</i>	15.02	
			<i>For Low-E Insulated Glass, Add</i>	31.30	
			<i>For Obscure Glass, Add</i>	34.43	
08 53 13 00-0090	EA		30" x 72", New Construction, Single Hung Vinyl Window (Silver Line 2200)	251.82	61.49
			<i>For Colored Vinyl, Add</i>	12.88	
			<i>For Tinted Glass, Add</i>	15.46	
			<i>For Low-E Insulated Glass, Add</i>	32.21	
			<i>For Obscure Glass, Add</i>	35.43	
08 53 13 00-0091	EA		32" x 72", New Construction, Single Hung Vinyl Window (Silver Line 2200)	255.77	62.40
			<i>For Colored Vinyl, Add</i>	13.10	
			<i>For Tinted Glass, Add</i>	15.72	
			<i>For Low-E Insulated Glass, Add</i>	32.75	
			<i>For Obscure Glass, Add</i>	36.02	
08 53 13 00-0092	EA		36" x 72", New Construction, Single Hung Vinyl Window (Silver Line 2200)	267.17	64.21
			<i>For Colored Vinyl, Add</i>	13.88	
			<i>For Tinted Glass, Add</i>	16.65	
			<i>For Low-E Insulated Glass, Add</i>	34.69	
			<i>For Obscure Glass, Add</i>	38.16	
08 53 13 00-0093	EA		44" x 72", New Construction, Single Hung Vinyl Window (Silver Line 2200)	285.78	67.82
			<i>For Colored Vinyl, Add</i>	15.01	
			<i>For Tinted Glass, Add</i>	18.02	
			<i>For Low-E Insulated Glass, Add</i>	37.54	
			<i>For Obscure Glass, Add</i>	41.29	
08 53 13 00-0094			Replacement, Single Hung Vinyl Windows (Silver Line 2000) <small>(08 53 13 00-0001)</small>		
			Note: Includes white solid vinyl interior and exterior, standard hardware, clear insulated glass and insect screen. Excludes grilles. Pricing calculated by the United Inch (the combined inches of one width and one height).		
08 53 13 00-0095	EA		Up To 73" UI, Replacement, Single Hung Vinyl Window (Silver Line 2000)	236.14	47.48
			<i>For Colored Vinyl, Add</i>	14.12	
			<i>For Tinted Glass, Add</i>	16.94	
			<i>For Low-E Insulated Glass, Add</i>	35.30	
			<i>For Obscure Glass, Add</i>	38.83	
08 53 13 00-0096	EA		>73" To 83" UI, Replacement, Single Hung Vinyl Window (Silver Line 2000)	258.79	52.00
			<i>For Colored Vinyl, Add</i>	15.48	
			<i>For Tinted Glass, Add</i>	18.58	
			<i>For Low-E Insulated Glass, Add</i>	38.70	
			<i>For Obscure Glass, Add</i>	42.57	
08 53 13 00-0097	EA		>83" To 93" UI, Replacement, Single Hung Vinyl Window (Silver Line 2000)	280.06	56.51
			<i>For Colored Vinyl, Add</i>	16.70	
			<i>For Tinted Glass, Add</i>	20.04	
			<i>For Low-E Insulated Glass, Add</i>	41.76	
			<i>For Obscure Glass, Add</i>	45.93	
08 53 13 00-0098	EA		>93" To 101" UI, Replacement, Single Hung Vinyl Window (Silver Line 2000)	296.49	61.04
			<i>For Colored Vinyl, Add</i>	17.44	
			<i>For Tinted Glass, Add</i>	20.93	
			<i>For Low-E Insulated Glass, Add</i>	43.60	
			<i>For Obscure Glass, Add</i>	47.96	
08 53 13 00-0099	EA		>101" To 110" UI, Replacement, Single Hung Vinyl Window (Silver Line 2000)	313.48	65.56
			<i>For Colored Vinyl, Add</i>	18.24	
			<i>For Tinted Glass, Add</i>	21.88	
			<i>For Low-E Insulated Glass, Add</i>	45.59	
			<i>For Obscure Glass, Add</i>	50.15	
08 53 13 00-0100	EA		>110" To 120" UI, Replacement, Single Hung Vinyl Window (Silver Line 2000)	339.10	70.08
			<i>For Colored Vinyl, Add</i>	19.89	
			<i>For Tinted Glass, Add</i>	23.87	
			<i>For Low-E Insulated Glass, Add</i>	49.73	
			<i>For Obscure Glass, Add</i>	54.71	

08 Openings**08 50 Windows****08 53 Plastic Windows**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0101 UI >120" UI, Replacement, Single Hung Vinyl Window (Silver Line 2000).....	2.84	0.58
For Colored Vinyl, Add	0.17	
For Tinted Glass, Add	0.20	
For Low-E Insulated Glass, Add	0.42	
For Obscure Glass, Add	0.46	
08 53 13 00-0102 Double Hung Vinyl Windows (08 53 13)		
08 53 13 00-0103 New Construction, Double Hung Vinyl Windows (Silver Line 3900) (08 53 13 00-0102)		
Note: Includes white solid vinyl interior and exterior, standard hardware, clear insulated glass and insect screen. Excludes grilles.		
08 53 13 00-0104 34" Height, New Construction, Double Hung Vinyl Windows (Silver Line 3900) (08 53 13 00-0103)		
08 53 13 00-0105 EA 24" x 34", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	224.32	41.59
For Colored Vinyl, Add	14.11	
For Tinted Glass, Add	16.94	
For Low-E Insulated Glass, Add	35.28	
For Obscure Glass, Add	38.81	
08 53 13 00-0106 EA 28" x 34", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	232.85	43.41
For Colored Vinyl, Add	14.60	
For Tinted Glass, Add	17.52	
For Low-E Insulated Glass, Add	36.51	
For Obscure Glass, Add	40.16	
08 53 13 00-0107 EA 30" x 34", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	237.01	44.31
For Colored Vinyl, Add	14.84	
For Tinted Glass, Add	17.81	
For Low-E Insulated Glass, Add	37.10	
For Obscure Glass, Add	40.81	
08 53 13 00-0108 EA 32" x 34", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	240.96	45.22
For Colored Vinyl, Add	15.05	
For Tinted Glass, Add	18.06	
For Low-E Insulated Glass, Add	37.63	
For Obscure Glass, Add	41.40	
08 53 13 00-0109 EA 36" x 34", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	250.11	47.03
For Colored Vinyl, Add	15.61	
For Tinted Glass, Add	18.73	
For Low-E Insulated Glass, Add	39.02	
For Obscure Glass, Add	42.92	
08 53 13 00-0110 EA 44" x 34", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	265.82	50.64
For Colored Vinyl, Add	16.45	
For Tinted Glass, Add	19.74	
For Low-E Insulated Glass, Add	41.14	
For Obscure Glass, Add	45.25	
08 53 13 00-0111 36" Height, New Construction, Double Hung Vinyl Windows (Silver Line 3900) (08 53 13 00-0103)		
08 53 13 00-0112 EA 24" x 36", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	227.86	42.50
For Colored Vinyl, Add	14.29	
For Tinted Glass, Add	17.14	
For Low-E Insulated Glass, Add	35.72	
For Obscure Glass, Add	39.29	
08 53 13 00-0113 EA 28" x 36", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	236.38	44.31
For Colored Vinyl, Add	14.78	
For Tinted Glass, Add	17.73	
For Low-E Insulated Glass, Add	36.94	
For Obscure Glass, Add	40.63	
08 53 13 00-0114 EA 30" x 36", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	240.54	45.22
For Colored Vinyl, Add	15.01	
For Tinted Glass, Add	18.01	
For Low-E Insulated Glass, Add	37.53	
For Obscure Glass, Add	41.28	
08 53 13 00-0115 EA 32" x 36", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	244.48	46.12
For Colored Vinyl, Add	15.23	
For Tinted Glass, Add	18.27	
For Low-E Insulated Glass, Add	38.06	
For Obscure Glass, Add	41.87	
08 53 13 00-0116 EA 36" x 36", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	253.64	47.92
For Colored Vinyl, Add	15.78	
For Tinted Glass, Add	18.93	
For Low-E Insulated Glass, Add	39.45	
For Obscure Glass, Add	43.39	
08 53 13 00-0117 EA 44" x 36", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	269.35	51.54
For Colored Vinyl, Add	16.63	
For Tinted Glass, Add	19.95	
For Low-E Insulated Glass, Add	41.57	
For Obscure Glass, Add	45.72	
08 53 13 00-0118 38" Height, New Construction, Double Hung Vinyl Windows (Silver Line 3900) (08 53 13 00-0103)		



Openings	08	08
Windows	08 50	
Plastic Windows	08 53	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0119	EA		24" x 38", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	231.15	43.41
			<i>For Colored Vinyl, Add</i>	14.43	
			<i>For Tinted Glass, Add</i>	17.32	
			<i>For Low-E Insulated Glass, Add</i>	36.09	
			<i>For Obscure Glass, Add</i>	39.69	
08 53 13 00-0120	EA		28" x 38", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	239.67	45.22
			<i>For Colored Vinyl, Add</i>	14.92	
			<i>For Tinted Glass, Add</i>	17.91	
			<i>For Low-E Insulated Glass, Add</i>	37.31	
			<i>For Obscure Glass, Add</i>	41.04	
08 53 13 00-0121	EA		30" x 38", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	243.92	46.12
			<i>For Colored Vinyl, Add</i>	15.17	
			<i>For Tinted Glass, Add</i>	18.20	
			<i>For Low-E Insulated Glass, Add</i>	37.92	
			<i>For Obscure Glass, Add</i>	41.71	
08 53 13 00-0122	EA		32" x 38", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	247.87	47.03
			<i>For Colored Vinyl, Add</i>	15.38	
			<i>For Tinted Glass, Add</i>	18.46	
			<i>For Low-E Insulated Glass, Add</i>	38.46	
			<i>For Obscure Glass, Add</i>	42.30	
08 53 13 00-0123	EA		36" x 38", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	257.17	48.83
			<i>For Colored Vinyl, Add</i>	15.95	
			<i>For Tinted Glass, Add</i>	19.14	
			<i>For Low-E Insulated Glass, Add</i>	39.88	
			<i>For Obscure Glass, Add</i>	43.87	
08 53 13 00-0124	EA		44" x 38", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	273.01	52.45
			<i>For Colored Vinyl, Add</i>	16.81	
			<i>For Tinted Glass, Add</i>	20.17	
			<i>For Low-E Insulated Glass, Add</i>	42.03	
			<i>For Obscure Glass, Add</i>	46.23	
08 53 13 00-0125			44" Height, New Construction, Double Hung Vinyl Windows (Silver Line 3900) <small>(08 53 13 00-0103)</small>		
08 53 13 00-0126	EA		24" x 44", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	241.94	46.12
			<i>For Colored Vinyl, Add</i>	14.97	
			<i>For Tinted Glass, Add</i>	17.97	
			<i>For Low-E Insulated Glass, Add</i>	37.43	
			<i>For Obscure Glass, Add</i>	41.17	
08 53 13 00-0127	EA		28" x 44", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	250.47	47.92
			<i>For Colored Vinyl, Add</i>	15.46	
			<i>For Tinted Glass, Add</i>	18.55	
			<i>For Low-E Insulated Glass, Add</i>	38.66	
			<i>For Obscure Glass, Add</i>	42.52	
08 53 13 00-0128	EA		30" x 44", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	254.16	48.83
			<i>For Colored Vinyl, Add</i>	15.65	
			<i>For Tinted Glass, Add</i>	18.78	
			<i>For Low-E Insulated Glass, Add</i>	39.13	
			<i>For Obscure Glass, Add</i>	43.04	
08 53 13 00-0129	EA		32" x 44", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	258.11	49.73
			<i>For Colored Vinyl, Add</i>	15.86	
			<i>For Tinted Glass, Add</i>	19.04	
			<i>For Low-E Insulated Glass, Add</i>	39.66	
			<i>For Obscure Glass, Add</i>	43.63	
08 53 13 00-0130	EA		36" x 44", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	267.71	51.54
			<i>For Colored Vinyl, Add</i>	16.46	
			<i>For Tinted Glass, Add</i>	19.75	
			<i>For Low-E Insulated Glass, Add</i>	41.16	
			<i>For Obscure Glass, Add</i>	45.27	
08 53 13 00-0131	EA		44" x 44", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	284.24	55.16
			<i>For Colored Vinyl, Add</i>	17.39	
			<i>For Tinted Glass, Add</i>	20.87	
			<i>For Low-E Insulated Glass, Add</i>	43.48	
			<i>For Obscure Glass, Add</i>	47.83	
08 53 13 00-0132			46" Height, New Construction, Double Hung Vinyl Windows (Silver Line 3900) <small>(08 53 13 00-0103)</small>		
08 53 13 00-0133	EA		24" x 46", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	245.22	47.03
			<i>For Colored Vinyl, Add</i>	15.12	
			<i>For Tinted Glass, Add</i>	18.14	
			<i>For Low-E Insulated Glass, Add</i>	37.80	
			<i>For Obscure Glass, Add</i>	41.57	
08 53 13 00-0134	EA		28" x 46", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	253.74	48.83
			<i>For Colored Vinyl, Add</i>	15.61	
			<i>For Tinted Glass, Add</i>	18.73	
			<i>For Low-E Insulated Glass, Add</i>	39.02	
			<i>For Obscure Glass, Add</i>	42.92	
08 53 13 00-0135	EA		30" x 46", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	257.58	49.73
			<i>For Colored Vinyl, Add</i>	15.81	
			<i>For Tinted Glass, Add</i>	18.97	
			<i>For Low-E Insulated Glass, Add</i>	39.53	
			<i>For Obscure Glass, Add</i>	43.48	

08 Openings**08 50 Windows****08 53 Plastic Windows**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0136 EA 32" x 46", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	261.53	50.64
For Colored Vinyl, Add	16.03	
For Tinted Glass, Add	19.23	
For Low-E Insulated Glass, Add	40.06	
For Obscure Glass, Add	44.07	
08 53 13 00-0137 EA 36" x 46", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	271.23	52.45
For Colored Vinyl, Add	16.63	
For Tinted Glass, Add	19.96	
For Low-E Insulated Glass, Add	41.58	
For Obscure Glass, Add	45.74	
08 53 13 00-0138 EA 44" x 46", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	288.17	56.07
For Colored Vinyl, Add	17.60	
For Tinted Glass, Add	21.12	
For Low-E Insulated Glass, Add	44.01	
For Obscure Glass, Add	48.41	
08 53 13 00-0139 48" Height, New Construction, Double Hung Vinyl Windows (Silver Line 3900) (08 53 13 00-0103)		
08 53 13 00-0140 EA 24" x 48", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	248.52	47.92
For Colored Vinyl, Add	15.27	
For Tinted Glass, Add	18.32	
For Low-E Insulated Glass, Add	38.17	
For Obscure Glass, Add	41.98	
08 53 13 00-0141 EA 28" x 48", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	257.04	49.73
For Colored Vinyl, Add	15.76	
For Tinted Glass, Add	18.91	
For Low-E Insulated Glass, Add	39.39	
For Obscure Glass, Add	43.33	
08 53 13 00-0142 EA 30" x 48", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	260.97	50.64
For Colored Vinyl, Add	15.97	
For Tinted Glass, Add	19.16	
For Low-E Insulated Glass, Add	39.92	
For Obscure Glass, Add	43.91	
08 53 13 00-0143 EA 32" x 48", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	264.92	51.54
For Colored Vinyl, Add	16.18	
For Tinted Glass, Add	19.42	
For Low-E Insulated Glass, Add	40.46	
For Obscure Glass, Add	44.50	
08 53 13 00-0144 EA 36" x 48", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	274.75	53.35
For Colored Vinyl, Add	16.80	
For Tinted Glass, Add	20.16	
For Low-E Insulated Glass, Add	42.01	
For Obscure Glass, Add	46.21	
08 53 13 00-0145 EA 44" x 48", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	292.06	56.97
For Colored Vinyl, Add	17.81	
For Tinted Glass, Add	21.37	
For Low-E Insulated Glass, Add	44.53	
For Obscure Glass, Add	48.98	
08 53 13 00-0146 50" Height, New Construction, Double Hung Vinyl Windows (Silver Line 3900) (08 53 13 00-0103)		
08 53 13 00-0147 EA 24" x 50", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	251.79	48.83
For Colored Vinyl, Add	15.41	
For Tinted Glass, Add	18.50	
For Low-E Insulated Glass, Add	38.53	
For Obscure Glass, Add	42.39	
08 53 13 00-0148 EA 28" x 50", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	260.32	50.64
For Colored Vinyl, Add	15.90	
For Tinted Glass, Add	19.08	
For Low-E Insulated Glass, Add	39.76	
For Obscure Glass, Add	43.74	
08 53 13 00-0149 EA 30" x 50", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	264.38	51.54
For Colored Vinyl, Add	16.13	
For Tinted Glass, Add	19.35	
For Low-E Insulated Glass, Add	40.32	
For Obscure Glass, Add	44.35	
08 53 13 00-0150 EA 32" x 50", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	268.33	52.45
For Colored Vinyl, Add	16.34	
For Tinted Glass, Add	19.61	
For Low-E Insulated Glass, Add	40.86	
For Obscure Glass, Add	44.94	
08 53 13 00-0151 EA 36" x 50", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	278.27	54.26
For Colored Vinyl, Add	16.98	
For Tinted Glass, Add	20.37	
For Low-E Insulated Glass, Add	42.44	
For Obscure Glass, Add	46.68	
08 53 13 00-0152 EA 44" x 50", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	295.98	57.87
For Colored Vinyl, Add	18.02	
For Tinted Glass, Add	21.63	
For Low-E Insulated Glass, Add	45.06	
For Obscure Glass, Add	49.56	



Openings	08	08
Windows	08 50	
Plastic Windows	08 53	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0153 52" Height, New Construction, Double Hung Vinyl Windows (Silver Line 3900) <small>(08 53 13 00-0103)</small>		
08 53 13 00-0154 EA 24" x 52", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	255.08	49.73
For Colored Vinyl, Add	15.56	
For Tinted Glass, Add	18.67	
For Low-E Insulated Glass, Add	38.90	
For Obscure Glass, Add	42.79	
08 53 13 00-0155 EA 28" x 52", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	263.61	51.54
For Colored Vinyl, Add	16.05	
For Tinted Glass, Add	19.26	
For Low-E Insulated Glass, Add	40.13	
For Obscure Glass, Add	44.14	
08 53 13 00-0156 EA 30" x 52", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	267.76	52.45
For Colored Vinyl, Add	16.29	
For Tinted Glass, Add	19.54	
For Low-E Insulated Glass, Add	40.72	
For Obscure Glass, Add	44.79	
08 53 13 00-0157 EA 32" x 52", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	271.72	53.35
For Colored Vinyl, Add	16.50	
For Tinted Glass, Add	19.80	
For Low-E Insulated Glass, Add	41.25	
For Obscure Glass, Add	45.38	
08 53 13 00-0158 EA 36" x 52", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	282.03	55.16
For Colored Vinyl, Add	17.17	
For Tinted Glass, Add	20.61	
For Low-E Insulated Glass, Add	42.93	
For Obscure Glass, Add	47.22	
08 53 13 00-0159 EA 44" x 52", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	299.84	58.78
For Colored Vinyl, Add	18.23	
For Tinted Glass, Add	21.87	
For Low-E Insulated Glass, Add	45.57	
For Obscure Glass, Add	50.13	
08 53 13 00-0160 54" Height, New Construction, Double Hung Vinyl Windows (Silver Line 3900) <small>(08 53 13 00-0103)</small>		
08 53 13 00-0161 EA 24" x 54", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	258.38	50.64
For Colored Vinyl, Add	15.71	
For Tinted Glass, Add	18.85	
For Low-E Insulated Glass, Add	39.28	
For Obscure Glass, Add	43.20	
08 53 13 00-0162 EA 28" x 54", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	266.91	52.45
For Colored Vinyl, Add	16.20	
For Tinted Glass, Add	19.44	
For Low-E Insulated Glass, Add	40.50	
For Obscure Glass, Add	44.55	
08 53 13 00-0163 EA 30" x 54", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	271.19	53.35
For Colored Vinyl, Add	16.45	
For Tinted Glass, Add	19.74	
For Low-E Insulated Glass, Add	41.12	
For Obscure Glass, Add	45.23	
08 53 13 00-0164 EA 32" x 54", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	275.13	54.26
For Colored Vinyl, Add	16.66	
For Tinted Glass, Add	19.99	
For Low-E Insulated Glass, Add	41.66	
For Obscure Glass, Add	45.82	
08 53 13 00-0165 EA 36" x 54", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	285.78	56.07
For Colored Vinyl, Add	17.37	
For Tinted Glass, Add	20.84	
For Low-E Insulated Glass, Add	43.41	
For Obscure Glass, Add	47.75	
08 53 13 00-0166 EA 44" x 54", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	303.72	59.68
For Colored Vinyl, Add	18.44	
For Tinted Glass, Add	22.12	
For Low-E Insulated Glass, Add	46.09	
For Obscure Glass, Add	50.70	
08 53 13 00-0167 60" Height, New Construction, Double Hung Vinyl Windows (Silver Line 3900) <small>(08 53 13 00-0103)</small>		
08 53 13 00-0168 EA 24" x 60", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	268.28	53.35
For Colored Vinyl, Add	16.16	
For Tinted Glass, Add	19.39	
For Low-E Insulated Glass, Add	40.39	
For Obscure Glass, Add	44.43	
08 53 13 00-0169 EA 28" x 60", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	276.79	55.16
For Colored Vinyl, Add	16.65	
For Tinted Glass, Add	19.98	
For Low-E Insulated Glass, Add	41.62	
For Obscure Glass, Add	45.78	

08 Openings**08 50 Windows****08 53 Plastic Windows**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0170 EA 30" x 60", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	281.89	56.07
For Colored Vinyl, Add	16.98	
For Tinted Glass, Add	20.37	
For Low-E Insulated Glass, Add	42.44	
For Obscure Glass, Add	46.68	
08 53 13 00-0171 EA 32" x 60", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	285.84	56.97
For Colored Vinyl, Add	17.19	
For Tinted Glass, Add	20.63	
For Low-E Insulated Glass, Add	42.98	
For Obscure Glass, Add	47.27	
08 53 13 00-0172 EA 36" x 60", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	297.01	58.78
For Colored Vinyl, Add	17.95	
For Tinted Glass, Add	21.54	
For Low-E Insulated Glass, Add	44.87	
For Obscure Glass, Add	49.35	
08 53 13 00-0173 EA 44" x 60", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	315.39	62.40
For Colored Vinyl, Add	19.06	
For Tinted Glass, Add	22.87	
For Low-E Insulated Glass, Add	47.65	
For Obscure Glass, Add	52.42	
08 53 13 00-0174 62" Height, New Construction, Double Hung Vinyl Windows (Silver Line 3900) (08 53 13 00-0103)		
08 53 13 00-0175 EA 24" x 62", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	271.55	54.26
For Colored Vinyl, Add	16.30	
For Tinted Glass, Add	19.56	
For Low-E Insulated Glass, Add	40.76	
For Obscure Glass, Add	44.84	
08 53 13 00-0176 EA 28" x 62", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	280.08	56.07
For Colored Vinyl, Add	16.80	
For Tinted Glass, Add	20.15	
For Low-E Insulated Glass, Add	41.99	
For Obscure Glass, Add	46.19	
08 53 13 00-0177 EA 30" x 62", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	285.51	56.97
For Colored Vinyl, Add	17.16	
For Tinted Glass, Add	20.59	
For Low-E Insulated Glass, Add	42.89	
For Obscure Glass, Add	47.18	
08 53 13 00-0178 EA 32" x 62", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	289.46	57.87
For Colored Vinyl, Add	17.37	
For Tinted Glass, Add	20.85	
For Low-E Insulated Glass, Add	43.43	
For Obscure Glass, Add	47.77	
08 53 13 00-0179 EA 36" x 62", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	300.74	59.68
For Colored Vinyl, Add	18.14	
For Tinted Glass, Add	21.77	
For Low-E Insulated Glass, Add	45.35	
For Obscure Glass, Add	49.88	
08 53 13 00-0180 EA 44" x 62", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	319.55	63.30
For Colored Vinyl, Add	19.30	
For Tinted Glass, Add	23.15	
For Low-E Insulated Glass, Add	48.24	
For Obscure Glass, Add	53.06	
08 53 13 00-0181 66" Height, New Construction, Double Hung Vinyl Windows (Silver Line 3900) (08 53 13 00-0103)		
08 53 13 00-0182 EA 24" x 66", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	278.63	56.07
For Colored Vinyl, Add	16.65	
For Tinted Glass, Add	19.98	
For Low-E Insulated Glass, Add	41.63	
For Obscure Glass, Add	45.79	
08 53 13 00-0183 EA 28" x 66", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	287.15	57.87
For Colored Vinyl, Add	17.14	
For Tinted Glass, Add	20.57	
For Low-E Insulated Glass, Add	42.85	
For Obscure Glass, Add	47.14	
08 53 13 00-0184 EA 30" x 66", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	292.75	58.78
For Colored Vinyl, Add	17.52	
For Tinted Glass, Add	21.02	
For Low-E Insulated Glass, Add	43.80	
For Obscure Glass, Add	48.18	
08 53 13 00-0185 EA 32" x 66", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	296.70	59.68
For Colored Vinyl, Add	17.73	
For Tinted Glass, Add	21.28	
For Low-E Insulated Glass, Add	44.34	
For Obscure Glass, Add	48.77	
08 53 13 00-0186 EA 36" x 66", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	308.25	61.49
For Colored Vinyl, Add	18.53	
For Tinted Glass, Add	22.23	
For Low-E Insulated Glass, Add	46.32	
For Obscure Glass, Add	50.95	



Openings	08	08
Windows	08 50	
Plastic Windows	08 53	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0187	EA		44" x 66", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	327.65	65.10
			For Colored Vinyl, Add	19.74	
			For Tinted Glass, Add	23.69	
			For Low-E Insulated Glass, Add	49.36	
			For Obscure Glass, Add	54.29	
08 53 13 00-0188			72" Height, New Construction, Double Hung Vinyl Windows (Silver Line 3900) (08 53 13 00-0103)		
08 53 13 00-0189	EA		24" x 72", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	289.23	58.78
			For Colored Vinyl, Add	17.17	
			For Tinted Glass, Add	20.60	
			For Low-E Insulated Glass, Add	42.92	
			For Obscure Glass, Add	47.21	
08 53 13 00-0190	EA		28" x 72", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	297.75	60.59
			For Colored Vinyl, Add	17.66	
			For Tinted Glass, Add	21.19	
			For Low-E Insulated Glass, Add	44.15	
			For Obscure Glass, Add	48.56	
08 53 13 00-0191	EA		30" x 72", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	303.36	61.49
			For Colored Vinyl, Add	18.04	
			For Tinted Glass, Add	21.65	
			For Low-E Insulated Glass, Add	45.10	
			For Obscure Glass, Add	49.60	
08 53 13 00-0192	EA		32" x 72", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	307.31	62.40
			For Colored Vinyl, Add	18.25	
			For Tinted Glass, Add	21.90	
			For Low-E Insulated Glass, Add	45.63	
			For Obscure Glass, Add	50.19	
08 53 13 00-0193	EA		36" x 72", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	318.86	64.21
			For Colored Vinyl, Add	19.05	
			For Tinted Glass, Add	22.85	
			For Low-E Insulated Glass, Add	47.61	
			For Obscure Glass, Add	52.37	
08 53 13 00-0194	EA		44" x 72", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	338.25	67.82
			For Colored Vinyl, Add	20.26	
			For Tinted Glass, Add	24.31	
			For Low-E Insulated Glass, Add	50.65	
			For Obscure Glass, Add	55.72	
08 53 13 00-0195			Replacement, Double Hung Vinyl Windows (Silver Line 8500) (08 53 13 00-0102)		
			Note: Includes white solid vinyl interior and exterior, standard hardware, clear insulated glass and insect screen. Excludes grilles. Pricing calculated by the United Inch (the combined inches of one width and one height).		
08 53 13 00-0196	EA		Up To 73" UI, Replacement, Double Hung Vinyl Window (Silver Line 8500).....	271.44	47.48
			For Colored Vinyl, Add	17.65	
			For Tinted Glass, Add	21.18	
			For Low-E Insulated Glass, Add	44.12	
			For Obscure Glass, Add	48.53	
08 53 13 00-0197	EA		>73" To 83" UI, Replacement, Double Hung Vinyl Window (Silver Line 8500).....	298.92	52.00
			For Colored Vinyl, Add	19.49	
			For Tinted Glass, Add	23.39	
			For Low-E Insulated Glass, Add	48.73	
			For Obscure Glass, Add	53.61	
08 53 13 00-0198	EA		>83" To 93" UI, Replacement, Double Hung Vinyl Window (Silver Line 8500).....	325.03	56.51
			For Colored Vinyl, Add	21.20	
			For Tinted Glass, Add	25.44	
			For Low-E Insulated Glass, Add	53.00	
			For Obscure Glass, Add	58.30	
08 53 13 00-0199	EA		>93" To 101" UI, Replacement, Double Hung Vinyl Window (Silver Line 8500).....	345.33	61.04
			For Colored Vinyl, Add	22.33	
			For Tinted Glass, Add	26.79	
			For Low-E Insulated Glass, Add	55.81	
			For Obscure Glass, Add	61.39	
08 53 13 00-0200	EA		>101" To 110" UI, Replacement, Double Hung Vinyl Window (Silver Line 8500).....	366.66	65.56
			For Colored Vinyl, Add	23.55	
			For Tinted Glass, Add	28.26	
			For Low-E Insulated Glass, Add	58.89	
			For Obscure Glass, Add	64.77	
08 53 13 00-0201	EA		>110" To 120" UI, Replacement, Double Hung Vinyl Window (Silver Line 8500).....	397.13	70.08
			For Colored Vinyl, Add	25.70	
			For Tinted Glass, Add	30.84	
			For Low-E Insulated Glass, Add	64.24	
			For Obscure Glass, Add	70.66	
08 53 13 00-0202	UI		>120" UI, Replacement, Double Hung Vinyl Window (Silver Line 8500).....	3.32	0.58
			For Colored Vinyl, Add	0.21	
			For Tinted Glass, Add	0.26	
			For Low-E Insulated Glass, Add	0.54	
			For Obscure Glass, Add	0.59	
08 53 13 00-0203			Casement Vinyl Windows (08 53 13)		
08 53 13 00-0204			New Construction, Casement Vinyl Windows (Silver Line 7550) (08 53 13 00-0203)		
			Note: Includes white solid vinyl interior and exterior, standard hardware, clear insulated glass and insect screen. Excludes grilles.		

08 Openings**08 50 Windows**

08 53 Plastic Windows



MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
08 53 13 00-0205		One Operating Sash, New Construction, Casement Vinyl Windows (Silver Line 7550) <small>(08 53 13 00-0204)</small>		
08 53 13 00-0206		24" Height, One Operating Sash, New Construction, Casement Vinyl Windows (Silver Line 7550) <small>(08 53 13 00-0205)</small>		
08 53 13 00-0207	EA	17" x 24", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550)	200.80	34.36
		For Colored Vinyl, Add	13.30	
		For Tinted Glass, Add	15.96	
		For Low-E Insulated Glass, Add	33.25	
		For Obscure Glass, Add	36.57	
08 53 13 00-0208	EA	20" x 24", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550)	208.01	35.27
		For Colored Vinyl, Add	13.75	
		For Tinted Glass, Add	16.50	
		For Low-E Insulated Glass, Add	34.37	
		For Obscure Glass, Add	37.80	
08 53 13 00-0209	EA	24" x 24", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550)	216.11	37.08
		For Colored Vinyl, Add	14.20	
		For Tinted Glass, Add	17.04	
		For Low-E Insulated Glass, Add	35.49	
		For Obscure Glass, Add	39.04	
08 53 13 00-0210	EA	28" x 24", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550)	229.17	38.88
		For Colored Vinyl, Add	15.14	
		For Tinted Glass, Add	18.17	
		For Low-E Insulated Glass, Add	37.85	
		For Obscure Glass, Add	41.64	
08 53 13 00-0211		28" Height, One Operating Sash, New Construction, Casement Vinyl Windows (Silver Line 7550) <small>(08 53 13 00-0205)</small>		
08 53 13 00-0212	EA	17" x 28", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550)	212.78	36.17
		For Colored Vinyl, Add	14.13	
		For Tinted Glass, Add	16.96	
		For Low-E Insulated Glass, Add	35.34	
		For Obscure Glass, Add	38.87	
08 53 13 00-0213	EA	20" x 28", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550)	220.49	37.08
		For Colored Vinyl, Add	14.63	
		For Tinted Glass, Add	17.56	
		For Low-E Insulated Glass, Add	36.59	
		For Obscure Glass, Add	40.24	
08 53 13 00-0214	EA	24" x 28", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550)	229.10	38.88
		For Colored Vinyl, Add	15.13	
		For Tinted Glass, Add	18.16	
		For Low-E Insulated Glass, Add	37.83	
		For Obscure Glass, Add	41.62	
08 53 13 00-0215	EA	28" x 28", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550)	242.76	40.69
		For Colored Vinyl, Add	16.14	
		For Tinted Glass, Add	19.36	
		For Low-E Insulated Glass, Add	40.34	
		For Obscure Glass, Add	44.38	
08 53 13 00-0216		36" Height, One Operating Sash, New Construction, Casement Vinyl Windows (Silver Line 7550) <small>(08 53 13 00-0205)</small>		
08 53 13 00-0217	EA	17" x 36", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550)	228.09	38.88
		For Colored Vinyl, Add	15.03	
		For Tinted Glass, Add	18.04	
		For Low-E Insulated Glass, Add	37.58	
		For Obscure Glass, Add	41.34	
08 53 13 00-0218	EA	20" x 36", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550)	236.05	40.69
		For Colored Vinyl, Add	15.56	
		For Tinted Glass, Add	18.67	
		For Low-E Insulated Glass, Add	38.89	
		For Obscure Glass, Add	42.78	
08 53 13 00-0219	EA	24" x 36", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550)	244.93	42.05
		For Colored Vinyl, Add	16.08	
		For Tinted Glass, Add	19.30	
		For Low-E Insulated Glass, Add	40.21	
		For Obscure Glass, Add	44.23	
08 53 13 00-0220	EA	28" x 36", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550)	259.08	43.86
		For Colored Vinyl, Add	17.14	
		For Tinted Glass, Add	20.56	
		For Low-E Insulated Glass, Add	42.84	
		For Obscure Glass, Add	47.12	
08 53 13 00-0221		40" Height, One Operating Sash, New Construction, Casement Vinyl Windows (Silver Line 7550) <small>(08 53 13 00-0205)</small>		
08 53 13 00-0222	EA	17" x 40", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550)	241.26	41.59
		For Colored Vinyl, Add	15.90	
		For Tinted Glass, Add	19.08	
		For Low-E Insulated Glass, Add	39.75	
		For Obscure Glass, Add	43.72	



Openings	08	08
Windows	08 50	
Plastic Windows	08 53	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0223	EA		20" x 40", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550).....	249.59	42.50
			<i>For Colored Vinyl, Add</i>	16.46	
			<i>For Tinted Glass, Add</i>	19.75	
			<i>For Low-E Insulated Glass, Add</i>	41.15	
			<i>For Obscure Glass, Add</i>	45.26	
08 53 13 00-0224	EA		24" x 40", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550).....	258.82	44.31
			<i>For Colored Vinyl, Add</i>	17.02	
			<i>For Tinted Glass, Add</i>	20.42	
			<i>For Low-E Insulated Glass, Add</i>	42.55	
			<i>For Obscure Glass, Add</i>	46.81	
08 53 13 00-0225	EA		28" x 40", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550).....	273.95	46.12
			<i>For Colored Vinyl, Add</i>	18.17	
			<i>For Tinted Glass, Add</i>	21.81	
			<i>For Low-E Insulated Glass, Add</i>	45.43	
			<i>For Obscure Glass, Add</i>	49.97	
08 53 13 00-0226			48" Height, One Operating Sash, New Construction, Casement Vinyl Windows (Silver Line 7550) (08 53 13 00-0205)		
08 53 13 00-0227	EA		17" x 48", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550).....	257.26	45.22
			<i>For Colored Vinyl, Add</i>	16.77	
			<i>For Tinted Glass, Add</i>	20.13	
			<i>For Low-E Insulated Glass, Add</i>	41.93	
			<i>For Obscure Glass, Add</i>	46.13	
08 53 13 00-0228	EA		20" x 48", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550).....	265.87	46.12
			<i>For Colored Vinyl, Add</i>	17.36	
			<i>For Tinted Glass, Add</i>	20.84	
			<i>For Low-E Insulated Glass, Add</i>	43.41	
			<i>For Obscure Glass, Add</i>	47.75	
08 53 13 00-0229	EA		24" x 48", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550).....	275.42	47.92
			<i>For Colored Vinyl, Add</i>	17.96	
			<i>For Tinted Glass, Add</i>	21.55	
			<i>For Low-E Insulated Glass, Add</i>	44.89	
			<i>For Obscure Glass, Add</i>	49.38	
08 53 13 00-0230	EA		28" x 48", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550).....	291.87	49.73
			<i>For Colored Vinyl, Add</i>	19.24	
			<i>For Tinted Glass, Add</i>	23.09	
			<i>For Low-E Insulated Glass, Add</i>	48.10	
			<i>For Obscure Glass, Add</i>	52.91	
08 53 13 00-0231			52" Height, One Operating Sash, New Construction, Casement Vinyl Windows (Silver Line 7550) (08 53 13 00-0205)		
08 53 13 00-0232	EA		17" x 52", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550).....	269.57	47.03
			<i>For Colored Vinyl, Add</i>	17.64	
			<i>For Tinted Glass, Add</i>	21.17	
			<i>For Low-E Insulated Glass, Add</i>	44.11	
			<i>For Obscure Glass, Add</i>	48.52	
08 53 13 00-0233	EA		20" x 52", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550).....	278.61	47.92
			<i>For Colored Vinyl, Add</i>	18.28	
			<i>For Tinted Glass, Add</i>	21.93	
			<i>For Low-E Insulated Glass, Add</i>	45.69	
			<i>For Obscure Glass, Add</i>	50.26	
08 53 13 00-0234	EA		24" x 52", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550).....	288.54	49.73
			<i>For Colored Vinyl, Add</i>	18.91	
			<i>For Tinted Glass, Add</i>	22.69	
			<i>For Low-E Insulated Glass, Add</i>	47.27	
			<i>For Obscure Glass, Add</i>	51.99	
08 53 13 00-0235	EA		28" x 52", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550).....	305.24	51.54
			<i>For Colored Vinyl, Add</i>	20.22	
			<i>For Tinted Glass, Add</i>	24.26	
			<i>For Low-E Insulated Glass, Add</i>	50.54	
			<i>For Obscure Glass, Add</i>	55.59	
08 53 13 00-0236			60" Height, One Operating Sash, New Construction, Casement Vinyl Windows (Silver Line 7550) (08 53 13 00-0205)		
08 53 13 00-0237	EA		17" x 60", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550).....	284.60	49.73
			<i>For Colored Vinyl, Add</i>	18.51	
			<i>For Tinted Glass, Add</i>	22.22	
			<i>For Low-E Insulated Glass, Add</i>	46.28	
			<i>For Obscure Glass, Add</i>	50.91	
08 53 13 00-0238	EA		20" x 60", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550).....	294.04	51.54
			<i>For Colored Vinyl, Add</i>	19.19	
			<i>For Tinted Glass, Add</i>	23.02	
			<i>For Low-E Insulated Glass, Add</i>	47.97	
			<i>For Obscure Glass, Add</i>	52.76	
08 53 13 00-0239	EA		24" x 60", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550).....	304.39	52.90
			<i>For Colored Vinyl, Add</i>	19.86	
			<i>For Tinted Glass, Add</i>	23.83	
			<i>For Low-E Insulated Glass, Add</i>	49.65	
			<i>For Obscure Glass, Add</i>	54.61	

08 Openings**08 50 Windows****08 53 Plastic Windows**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0240 EA 28" x 60", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550)	321.32	54.71
For Colored Vinyl, Add	21.19	
For Tinted Glass, Add	25.43	
For Low-E Insulated Glass, Add	52.98	
For Obscure Glass, Add	58.28	
08 53 13 00-0241 64" Height, One Operating Sash, New Construction, Casement Vinyl Windows (Silver Line 7550) (08 53 13 00-0205)		
08 53 13 00-0242 EA 17" x 64", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550)	297.62	52.45
For Colored Vinyl, Add	19.36	
For Tinted Glass, Add	23.24	
For Low-E Insulated Glass, Add	48.41	
For Obscure Glass, Add	53.25	
08 53 13 00-0243 EA 20" x 64", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550)	307.27	53.35
For Colored Vinyl, Add	20.06	
For Tinted Glass, Add	24.07	
For Low-E Insulated Glass, Add	50.14	
For Obscure Glass, Add	55.15	
08 53 13 00-0244 EA 24" x 64", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550)	318.17	55.16
For Colored Vinyl, Add	20.79	
For Tinted Glass, Add	24.94	
For Low-E Insulated Glass, Add	51.96	
For Obscure Glass, Add	57.16	
08 53 13 00-0245 EA 28" x 64", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550)	334.76	56.97
For Colored Vinyl, Add	22.08	
For Tinted Glass, Add	26.50	
For Low-E Insulated Glass, Add	55.21	
For Obscure Glass, Add	60.73	
08 53 13 00-0246 72" Height, One Operating Sash, New Construction, Casement Vinyl Windows (Silver Line 7550) (08 53 13 00-0205)		
08 53 13 00-0247 EA 17" x 72", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550)	313.99	55.16
For Colored Vinyl, Add	20.37	
For Tinted Glass, Add	24.44	
For Low-E Insulated Glass, Add	50.92	
For Obscure Glass, Add	56.01	
08 53 13 00-0248 EA 20" x 72", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550)	324.08	56.97
For Colored Vinyl, Add	21.10	
For Tinted Glass, Add	25.32	
For Low-E Insulated Glass, Add	52.76	
For Obscure Glass, Add	58.04	
08 53 13 00-0249 EA 24" x 72", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550)	334.58	58.32
For Colored Vinyl, Add	21.79	
For Tinted Glass, Add	26.15	
For Low-E Insulated Glass, Add	54.48	
For Obscure Glass, Add	59.93	
08 53 13 00-0250 EA 28" x 72", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550)	350.99	60.13
For Colored Vinyl, Add	23.07	
For Tinted Glass, Add	27.69	
For Low-E Insulated Glass, Add	57.68	
For Obscure Glass, Add	63.45	
08 53 13 00-0251 Two Operating Sashes, New Construction, Casement Vinyl Windows (Silver Line 7550) (08 53 13 00-0204)		
08 53 13 00-0252 36" Height, Two Operating Sashes, New Construction, Casement Vinyl Windows (Silver Line 7550) (08 53 13 00-0251)		
08 53 13 00-0253 EA 33" x 36", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	380.95	46.12
For Colored Vinyl, Add	28.87	
For Tinted Glass, Add	34.65	
For Low-E Insulated Glass, Add	72.18	
For Obscure Glass, Add	79.40	
08 53 13 00-0254 EA 40" x 36", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	396.35	49.73
For Colored Vinyl, Add	29.78	
For Tinted Glass, Add	35.73	
For Low-E Insulated Glass, Add	74.45	
For Obscure Glass, Add	81.89	
08 53 13 00-0255 EA 48" x 36", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	412.66	53.35
For Colored Vinyl, Add	30.69	
For Tinted Glass, Add	36.82	
For Low-E Insulated Glass, Add	76.72	
For Obscure Glass, Add	84.39	
08 53 13 00-0256 EA 56" x 36", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	430.66	56.51
For Colored Vinyl, Add	31.76	
For Tinted Glass, Add	38.11	
For Low-E Insulated Glass, Add	79.41	
For Obscure Glass, Add	87.35	
08 53 13 00-0257 40" Height, Two Operating Sashes, New Construction, Casement Vinyl Windows (Silver Line 7550) (08 53 13 00-0251)		



Openings	08	08
Windows	08 50	
Plastic Windows	08 53	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0258	EA		33" x 40", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	402.94	48.37
			<i>For Colored Vinyl, Add</i>	30.62	
			<i>For Tinted Glass, Add</i>	36.74	
			<i>For Low-E Insulated Glass, Add</i>	76.55	
			<i>For Obscure Glass, Add</i>	84.20	
08 53 13 00-0259	EA		40" x 40", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	419.08	51.54
			<i>For Colored Vinyl, Add</i>	31.60	
			<i>For Tinted Glass, Add</i>	37.92	
			<i>For Low-E Insulated Glass, Add</i>	79.00	
			<i>For Obscure Glass, Add</i>	86.90	
08 53 13 00-0260	EA		48" x 40", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	436.13	55.16
			<i>For Colored Vinyl, Add</i>	32.58	
			<i>For Tinted Glass, Add</i>	39.10	
			<i>For Low-E Insulated Glass, Add</i>	81.45	
			<i>For Obscure Glass, Add</i>	89.60	
08 53 13 00-0261	EA		56" x 40", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	453.67	58.78
			<i>For Colored Vinyl, Add</i>	33.61	
			<i>For Tinted Glass, Add</i>	40.33	
			<i>For Low-E Insulated Glass, Add</i>	84.03	
			<i>For Obscure Glass, Add</i>	92.43	
08 53 13 00-0262			48" Height, Two Operating Sashes, New Construction, Casement Vinyl Windows (Silver Line 7550) <small>(08 53 13 00-0251)</small>		
08 53 13 00-0263	EA		33" x 48", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	427.98	52.00
			<i>For Colored Vinyl, Add</i>	32.40	
			<i>For Tinted Glass, Add</i>	38.88	
			<i>For Low-E Insulated Glass, Add</i>	81.00	
			<i>For Obscure Glass, Add</i>	89.10	
08 53 13 00-0264	EA		40" x 48", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	444.65	55.16
			<i>For Colored Vinyl, Add</i>	33.43	
			<i>For Tinted Glass, Add</i>	40.12	
			<i>For Low-E Insulated Glass, Add</i>	83.58	
			<i>For Obscure Glass, Add</i>	91.94	
08 53 13 00-0265	EA		48" x 48", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	462.25	58.78
			<i>For Colored Vinyl, Add</i>	34.47	
			<i>For Tinted Glass, Add</i>	41.36	
			<i>For Low-E Insulated Glass, Add</i>	86.18	
			<i>For Obscure Glass, Add</i>	94.79	
08 53 13 00-0266	EA		56" x 48", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	481.05	62.40
			<i>For Colored Vinyl, Add</i>	35.63	
			<i>For Tinted Glass, Add</i>	42.75	
			<i>For Low-E Insulated Glass, Add</i>	89.07	
			<i>For Obscure Glass, Add</i>	97.97	
08 53 13 00-0267			52" Height, Two Operating Sashes, New Construction, Casement Vinyl Windows (Silver Line 7550) <small>(08 53 13 00-0251)</small>		
08 53 13 00-0268	EA		33" x 52", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	449.36	53.81
			<i>For Colored Vinyl, Add</i>	34.18	
			<i>For Tinted Glass, Add</i>	41.01	
			<i>For Low-E Insulated Glass, Add</i>	85.44	
			<i>For Obscure Glass, Add</i>	93.98	
08 53 13 00-0269	EA		40" x 52", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	466.76	56.97
			<i>For Colored Vinyl, Add</i>	35.28	
			<i>For Tinted Glass, Add</i>	42.34	
			<i>For Low-E Insulated Glass, Add</i>	88.21	
			<i>For Obscure Glass, Add</i>	97.03	
08 53 13 00-0270	EA		48" x 52", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	485.05	60.59
			<i>For Colored Vinyl, Add</i>	36.39	
			<i>For Tinted Glass, Add</i>	43.67	
			<i>For Low-E Insulated Glass, Add</i>	90.97	
			<i>For Obscure Glass, Add</i>	100.07	
08 53 13 00-0271	EA		56" x 52", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	504.11	64.21
			<i>For Colored Vinyl, Add</i>	37.57	
			<i>For Tinted Glass, Add</i>	45.08	
			<i>For Low-E Insulated Glass, Add</i>	93.93	
			<i>For Obscure Glass, Add</i>	103.32	
08 53 13 00-0272			60" Height, Two Operating Sashes, New Construction, Casement Vinyl Windows (Silver Line 7550) <small>(08 53 13 00-0251)</small>		
08 53 13 00-0273	EA		33" x 60", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	473.46	56.97
			<i>For Colored Vinyl, Add</i>	35.95	
			<i>For Tinted Glass, Add</i>	43.14	
			<i>For Low-E Insulated Glass, Add</i>	89.88	
			<i>For Obscure Glass, Add</i>	98.87	
08 53 13 00-0274	EA		40" x 60", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	491.57	60.59
			<i>For Colored Vinyl, Add</i>	37.13	
			<i>For Tinted Glass, Add</i>	44.56	
			<i>For Low-E Insulated Glass, Add</i>	92.83	
			<i>For Obscure Glass, Add</i>	102.11	

08 Openings**08 50 Windows****08 53 Plastic Windows**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0275 EA 48" x 60", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	510.57	64.21
For Colored Vinyl, Add	38.31	
For Tinted Glass, Add	45.97	
For Low-E Insulated Glass, Add	95.77	
For Obscure Glass, Add	105.34	
08 53 13 00-0276 EA 56" x 60", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	529.85	67.37
For Colored Vinyl, Add	39.51	
For Tinted Glass, Add	47.41	
For Low-E Insulated Glass, Add	98.78	
For Obscure Glass, Add	108.66	
08 53 13 00-0277 64" Height, Two Operating Sashes, New Construction, Casement Vinyl Windows (Silver Line 7550) (08 53 13 00-0251)		
08 53 13 00-0278 EA 33" x 64", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	496.33	59.23
For Colored Vinyl, Add	37.79	
For Tinted Glass, Add	45.34	
For Low-E Insulated Glass, Add	94.47	
For Obscure Glass, Add	103.91	
08 53 13 00-0279 EA 40" x 64", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	514.44	62.40
For Colored Vinyl, Add	38.97	
For Tinted Glass, Add	46.76	
For Low-E Insulated Glass, Add	97.41	
For Obscure Glass, Add	107.15	
08 53 13 00-0280 EA 48" x 64", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	533.39	66.01
For Colored Vinyl, Add	40.14	
For Tinted Glass, Add	48.16	
For Low-E Insulated Glass, Add	100.34	
For Obscure Glass, Add	110.37	
08 53 13 00-0281 EA 56" x 64", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	552.73	69.63
For Colored Vinyl, Add	41.35	
For Tinted Glass, Add	49.62	
For Low-E Insulated Glass, Add	103.37	
For Obscure Glass, Add	113.70	
08 53 13 00-0282 72" Height, Two Operating Sashes, New Construction, Casement Vinyl Windows (Silver Line 7550) (08 53 13 00-0251)		
08 53 13 00-0283 EA 33" x 72", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	522.19	62.40
For Colored Vinyl, Add	39.74	
For Tinted Glass, Add	47.69	
For Low-E Insulated Glass, Add	99.35	
For Obscure Glass, Add	109.29	
08 53 13 00-0284 EA 40" x 72", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	540.30	66.01
For Colored Vinyl, Add	40.92	
For Tinted Glass, Add	49.10	
For Low-E Insulated Glass, Add	102.30	
For Obscure Glass, Add	112.52	
08 53 13 00-0285 EA 48" x 72", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	559.32	69.63
For Colored Vinyl, Add	42.10	
For Tinted Glass, Add	50.52	
For Low-E Insulated Glass, Add	105.24	
For Obscure Glass, Add	115.77	
08 53 13 00-0286 EA 56" x 72", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	578.60	72.80
For Colored Vinyl, Add	43.30	
For Tinted Glass, Add	51.96	
For Low-E Insulated Glass, Add	108.25	
For Obscure Glass, Add	119.08	
08 53 13 00-0287 Three Operating Sashes, New Construction, Casement Vinyl Windows (Silver Line 7550) (08 53 13 00-0204)		
08 53 13 00-0288 36" Height, Three Operating Sashes, New Construction, Casement Vinyl Windows (Silver Line 7550) (08 53 13 00-0287)		
08 53 13 00-0289 EA 62" x 36", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	472.08	58.78
For Colored Vinyl, Add	35.45	
For Tinted Glass, Add	42.54	
For Low-E Insulated Glass, Add	88.63	
For Obscure Glass, Add	97.50	
08 53 13 00-0290 EA 72" x 36", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	496.07	63.30
For Colored Vinyl, Add	36.95	
For Tinted Glass, Add	44.34	
For Low-E Insulated Glass, Add	92.37	
For Obscure Glass, Add	101.60	
08 53 13 00-0291 EA 86" x 36", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	537.74	70.08
For Colored Vinyl, Add	39.76	
For Tinted Glass, Add	47.71	
For Low-E Insulated Glass, Add	99.39	
For Obscure Glass, Add	109.33	
08 53 13 00-0292 40" Height, Three Operating Sashes, New Construction, Casement Vinyl Windows (Silver Line 7550) (08 53 13 00-0287)		



Openings	08	08
Windows	08 50	
Plastic Windows	08 53	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0293 EA 62" x 40", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550).....	501.52	61.49
For Colored Vinyl, Add	37.94	
For Tinted Glass, Add	45.53	
For Low-E Insulated Glass, Add	94.86	
For Obscure Glass, Add	104.35	
08 53 13 00-0294 EA 72" x 40", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550).....	525.65	65.56
For Colored Vinyl, Add	39.45	
For Tinted Glass, Add	47.34	
For Low-E Insulated Glass, Add	98.63	
For Obscure Glass, Add	108.50	
08 53 13 00-0295 EA 86" x 40", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550).....	569.32	72.35
For Colored Vinyl, Add	42.46	
For Tinted Glass, Add	50.96	
For Low-E Insulated Glass, Add	106.16	
For Obscure Glass, Add	116.78	
08 53 13 00-0296 48" Height, Three Operating Sashes, New Construction, Casement Vinyl Windows (Silver Line 7550) (08 53 13 00-0287)		
08 53 13 00-0297 EA 62" x 48", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550).....	531.00	65.10
For Colored Vinyl, Add	40.08	
For Tinted Glass, Add	48.09	
For Low-E Insulated Glass, Add	100.20	
For Obscure Glass, Add	110.21	
08 53 13 00-0298 EA 72" x 48", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550).....	558.30	69.18
For Colored Vinyl, Add	42.00	
For Tinted Glass, Add	50.39	
For Low-E Insulated Glass, Add	104.99	
For Obscure Glass, Add	115.49	
08 53 13 00-0299 EA 86" x 48", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550).....	603.70	75.96
For Colored Vinyl, Add	45.18	
For Tinted Glass, Add	54.21	
For Low-E Insulated Glass, Add	112.95	
For Obscure Glass, Add	124.24	
08 53 13 00-0300 52" Height, Three Operating Sashes, New Construction, Casement Vinyl Windows (Silver Line 7550) (08 53 13 00-0287)		
08 53 13 00-0301 EA 62" x 52", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550).....	558.67	66.91
For Colored Vinyl, Add	42.48	
For Tinted Glass, Add	50.98	
For Low-E Insulated Glass, Add	106.21	
For Obscure Glass, Add	116.83	
08 53 13 00-0302 EA 72" x 52", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550).....	587.92	71.44
For Colored Vinyl, Add	44.51	
For Tinted Glass, Add	53.41	
For Low-E Insulated Glass, Add	111.26	
For Obscure Glass, Add	122.39	
08 53 13 00-0303 EA 86" x 52", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550).....	638.47	77.77
For Colored Vinyl, Add	48.29	
For Tinted Glass, Add	57.95	
For Low-E Insulated Glass, Add	120.73	
For Obscure Glass, Add	132.81	
08 53 13 00-0304 60" Height, Three Operating Sashes, New Construction, Casement Vinyl Windows (Silver Line 7550) (08 53 13 00-0287)		
08 53 13 00-0305 EA 62" x 60", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550).....	589.04	70.08
For Colored Vinyl, Add	44.89	
For Tinted Glass, Add	53.86	
For Low-E Insulated Glass, Add	112.22	
For Obscure Glass, Add	123.44	
08 53 13 00-0306 EA 72" x 60", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550).....	619.34	74.60
For Colored Vinyl, Add	47.01	
For Tinted Glass, Add	56.42	
For Low-E Insulated Glass, Add	117.53	
For Obscure Glass, Add	129.29	
08 53 13 00-0307 EA 86" x 60", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550).....	675.93	80.94
For Colored Vinyl, Add	51.41	
For Tinted Glass, Add	61.69	
For Low-E Insulated Glass, Add	128.52	
For Obscure Glass, Add	141.37	
08 53 13 00-0308 64" Height, Three Operating Sashes, New Construction, Casement Vinyl Windows (Silver Line 7550) (08 53 13 00-0287)		
08 53 13 00-0309 EA 62" x 64", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550).....	620.71	72.35
For Colored Vinyl, Add	47.60	
For Tinted Glass, Add	57.12	
For Low-E Insulated Glass, Add	119.01	
For Obscure Glass, Add	130.91	

08 Openings**08 50 Windows****08 53 Plastic Windows**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0310 EA 72" x 64", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550).....	651.00	76.86
For Colored Vinyl, Add	49.73	
For Tinted Glass, Add	59.67	
For Low-E Insulated Glass, Add	124.32	
For Obscure Glass, Add	136.75	
08 53 13 00-0311 EA 86" x 64", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550).....	707.60	83.19
For Colored Vinyl, Add	54.12	
For Tinted Glass, Add	64.95	
For Low-E Insulated Glass, Add	135.30	
For Obscure Glass, Add	148.83	
08 53 13 00-0312 72" Height, Three Operating Sashes, New Construction, Casement Vinyl Windows (Silver Line 7550) (08 53 13 00-0287)		
08 53 13 00-0313 EA 62" x 72", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550).....	654.26	75.50
For Colored Vinyl, Add	50.33	
For Tinted Glass, Add	60.39	
For Low-E Insulated Glass, Add	125.81	
For Obscure Glass, Add	138.39	
08 53 13 00-0314 EA 72" x 72", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550).....	684.55	80.03
For Colored Vinyl, Add	52.45	
For Tinted Glass, Add	62.94	
For Low-E Insulated Glass, Add	131.13	
For Obscure Glass, Add	144.24	
08 53 13 00-0315 EA 86" x 72", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550).....	741.15	86.36
For Colored Vinyl, Add	56.84	
For Tinted Glass, Add	68.21	
For Low-E Insulated Glass, Add	142.11	
For Obscure Glass, Add	156.32	
08 53 13 00-0316 Replacement, Casement Vinyl Windows (Silver Line 7500) (08 53 13 00-0203)		
Note: Includes white solid vinyl interior and exterior, standard hardware, clear insulated glass and insect screen. Excludes grilles. Pricing calculated by the United Inch (the combined inches of one width and one height).		
08 53 13 00-0317 One Operating Sash, Replacement, Casement Vinyl Windows (Silver Line 7500) (08 53 13 00-0316)		
08 53 13 00-0318 EA Up To 53" UI, One Operating Sash, Replacement, Casement Vinyl Window (Silver Line 7500).....	252.59	38.44
For Colored Vinyl, Add	17.57	
For Tinted Glass, Add	21.09	
For Low-E Insulated Glass, Add	43.93	
For Obscure Glass, Add	48.33	
08 53 13 00-0319 EA >53 To 63" UI, One Operating Sash, Replacement, Casement Vinyl Window (Silver Line 7500).....	286.09	42.95
For Colored Vinyl, Add	20.02	
For Tinted Glass, Add	24.02	
For Low-E Insulated Glass, Add	50.05	
For Obscure Glass, Add	55.05	
08 53 13 00-0320 EA >63 To 73" UI, One Operating Sash, Replacement, Casement Vinyl Window (Silver Line 7500).....	316.82	47.48
For Colored Vinyl, Add	22.19	
For Tinted Glass, Add	26.62	
For Low-E Insulated Glass, Add	55.47	
For Obscure Glass, Add	61.01	
08 53 13 00-0321 EA >73" To 83" UI, One Operating Sash, Replacement, Casement Vinyl Window (Silver Line 7500).....	344.78	52.00
For Colored Vinyl, Add	24.08	
For Tinted Glass, Add	28.89	
For Low-E Insulated Glass, Add	60.20	
For Obscure Glass, Add	66.22	
08 53 13 00-0322 EA >83" To 93" UI, One Operating Sash, Replacement, Casement Vinyl Window (Silver Line 7500).....	370.00	56.51
For Colored Vinyl, Add	25.70	
For Tinted Glass, Add	30.84	
For Low-E Insulated Glass, Add	64.24	
For Obscure Glass, Add	70.66	
08 53 13 00-0323 EA >93" To 101" UI, One Operating Sash, Replacement, Casement Vinyl Window (Silver Line 7500).....	387.19	61.04
For Colored Vinyl, Add	26.51	
For Tinted Glass, Add	31.81	
For Low-E Insulated Glass, Add	66.28	
For Obscure Glass, Add	72.91	
08 53 13 00-0324 UI >101" UI, One Operating Sash, Replacement, Casement Vinyl Window (Silver Line 7500).....	3.80	0.58
For Colored Vinyl, Add	0.26	
For Tinted Glass, Add	0.31	
For Low-E Insulated Glass, Add	0.66	
For Obscure Glass, Add	0.72	
08 53 13 00-0325 Two Operating Sashes, Replacement, Casement Vinyl Windows (Silver Line 7500) (08 53 13 00-0316)		
08 53 13 00-0326 EA Up To 73" UI, Two Operating Sashes, Replacement, Casement Vinyl Window (Silver Line 7500).....	402.54	47.48
For Colored Vinyl, Add	30.76	
For Tinted Glass, Add	36.91	
For Low-E Insulated Glass, Add	76.90	
For Obscure Glass, Add	84.59	



Openings	08	08
Windows	08 50	
Plastic Windows	08 53	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0327 EA >73" To 83" UI, Two Operating Sashes, Replacement, Casement Vinyl Window (Silver Line 7500)	442.25	52.00
For Colored Vinyl, Add	33.83	
For Tinted Glass, Add	40.59	
For Low-E Insulated Glass, Add	84.57	
For Obscure Glass, Add	93.02	
08 53 13 00-0328 EA >83" To 93" UI, Two Operating Sashes, Replacement, Casement Vinyl Window (Silver Line 7500)	479.20	56.51
For Colored Vinyl, Add	36.62	
For Tinted Glass, Add	43.94	
For Low-E Insulated Glass, Add	91.54	
For Obscure Glass, Add	100.69	
08 53 13 00-0329 EA >93" To 101" UI, Two Operating Sashes, Replacement, Casement Vinyl Window (Silver Line 7500)	505.79	61.04
For Colored Vinyl, Add	38.37	
For Tinted Glass, Add	46.05	
For Low-E Insulated Glass, Add	95.93	
For Obscure Glass, Add	105.52	
08 53 13 00-0330 EA >101" To 110" UI, Two Operating Sashes, Replacement, Casement Vinyl Window (Silver Line 7500)	533.82	65.56
For Colored Vinyl, Add	40.27	
For Tinted Glass, Add	48.32	
For Low-E Insulated Glass, Add	100.68	
For Obscure Glass, Add	110.74	
08 53 13 00-0331 EA >110" To 120" UI, Two Operating Sashes, Replacement, Casement Vinyl Window (Silver Line 7500)	562.91	70.08
For Colored Vinyl, Add	42.27	
For Tinted Glass, Add	50.73	
For Low-E Insulated Glass, Add	105.69	
For Obscure Glass, Add	116.25	
08 53 13 00-0332 UI >120" UI, Two Operating Sashes, Replacement, Casement Vinyl Window (Silver Line 7500)	4.70	0.58
For Colored Vinyl, Add	0.35	
For Tinted Glass, Add	0.42	
For Low-E Insulated Glass, Add	0.88	
For Obscure Glass, Add	0.97	
08 53 13 00-0333 Three Operating Sashes, Replacement, Casement Vinyl Windows (Silver Line 7500) (08 53 13 00-0316)		
08 53 13 00-0334 EA Up To 73" UI, Three Operating Sashes, Replacement, Casement Vinyl Window (Silver Line 7500)	417.67	47.48
For Colored Vinyl, Add	32.27	
For Tinted Glass, Add	38.73	
For Low-E Insulated Glass, Add	80.68	
For Obscure Glass, Add	88.75	
08 53 13 00-0335 EA >73" To 83" UI, Three Operating Sashes, Replacement, Casement Vinyl Window (Silver Line 7500)	459.03	52.00
For Colored Vinyl, Add	35.50	
For Tinted Glass, Add	42.60	
For Low-E Insulated Glass, Add	88.76	
For Obscure Glass, Add	97.64	
08 53 13 00-0336 EA >83" To 93" UI, Three Operating Sashes, Replacement, Casement Vinyl Window (Silver Line 7500)	498.48	56.51
For Colored Vinyl, Add	38.54	
For Tinted Glass, Add	46.25	
For Low-E Insulated Glass, Add	96.36	
For Obscure Glass, Add	106.00	
08 53 13 00-0337 EA >93" To 101" UI, Three Operating Sashes, Replacement, Casement Vinyl Window (Silver Line 7500)	526.72	61.04
For Colored Vinyl, Add	40.46	
For Tinted Glass, Add	48.56	
For Low-E Insulated Glass, Add	101.16	
For Obscure Glass, Add	111.28	
08 53 13 00-0338 EA >101" To 110" UI, Three Operating Sashes, Replacement, Casement Vinyl Window (Silver Line 7500)	556.62	65.56
For Colored Vinyl, Add	42.55	
For Tinted Glass, Add	51.06	
For Low-E Insulated Glass, Add	106.38	
For Obscure Glass, Add	117.01	
08 53 13 00-0339 EA >110" To 120" UI, Three Operating Sashes, Replacement, Casement Vinyl Window (Silver Line 7500)	587.77	70.08
For Colored Vinyl, Add	44.76	
For Tinted Glass, Add	53.71	
For Low-E Insulated Glass, Add	111.90	
For Obscure Glass, Add	123.09	
08 53 13 00-0340 UI >120" UI, Three Operating Sashes, Replacement, Casement Vinyl Window (Silver Line 7500)	4.91	0.58
For Colored Vinyl, Add	0.37	
For Tinted Glass, Add	0.45	
For Low-E Insulated Glass, Add	0.93	
For Obscure Glass, Add	1.03	
08 53 13 00-0341 Awning Vinyl Windows (08 53 13)		
08 53 13 00-0342 New Construction, Awning Vinyl Windows (Silver Line 7450) (08 53 13 00-0341)		
Note: Includes white solid vinyl interior and exterior, standard hardware, clear insulated glass and insect screen. Excludes grilles.		
08 53 13 00-0343 Venting, New Construction, Awning Vinyl Windows (Silver Line 7450) (08 53 13 00-0342)		
08 53 13 00-0344 17" Height, Venting, New Construction, Awning Vinyl Windows (Silver Line 7450) (08 53 13 00-0343)		

08 Openings**08 50 Windows****08 53 Plastic Windows**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0345	EA		24" x 17", Venting, New Construction, Awning Vinyl Window (Silver Line 7450)	252.60	37.08
			<i>For Colored Vinyl, Add</i>	17.85	
			<i>For Tinted Glass, Add</i>	21.41	
			<i>For Low-E Insulated Glass, Add</i>	44.61	
			<i>For Obscure Glass, Add</i>	49.07	
08 53 13 00-0346	EA		28" x 17", Venting, New Construction, Awning Vinyl Window (Silver Line 7450)	264.51	38.88
			<i>For Colored Vinyl, Add</i>	18.67	
			<i>For Tinted Glass, Add</i>	22.41	
			<i>For Low-E Insulated Glass, Add</i>	46.69	
			<i>For Obscure Glass, Add</i>	51.35	
08 53 13 00-0347	EA		36" x 17", Venting, New Construction, Awning Vinyl Window (Silver Line 7450)	283.27	42.05
			<i>For Colored Vinyl, Add</i>	19.92	
			<i>For Tinted Glass, Add</i>	23.90	
			<i>For Low-E Insulated Glass, Add</i>	49.79	
			<i>For Obscure Glass, Add</i>	54.77	
08 53 13 00-0348	EA		40" x 17", Venting, New Construction, Awning Vinyl Window (Silver Line 7450)	295.61	44.31
			<i>For Colored Vinyl, Add</i>	20.70	
			<i>For Tinted Glass, Add</i>	24.84	
			<i>For Low-E Insulated Glass, Add</i>	51.75	
			<i>For Obscure Glass, Add</i>	56.92	
08 53 13 00-0349	EA		48" x 17", Venting, New Construction, Awning Vinyl Window (Silver Line 7450)	315.74	47.92
			<i>For Colored Vinyl, Add</i>	21.99	
			<i>For Tinted Glass, Add</i>	26.39	
			<i>For Low-E Insulated Glass, Add</i>	54.97	
			<i>For Obscure Glass, Add</i>	60.47	
08 53 13 00-0350			20" Height, Venting, New Construction, Awning Vinyl Windows (Silver Line 7450) <small>(08 53 13 00-0343)</small>		
08 53 13 00-0351	EA		24" x 20", Venting, New Construction, Awning Vinyl Window (Silver Line 7450)	265.67	38.88
			<i>For Colored Vinyl, Add</i>	18.88	
			<i>For Tinted Glass, Add</i>	22.66	
			<i>For Low-E Insulated Glass, Add</i>	47.20	
			<i>For Obscure Glass, Add</i>	51.92	
08 53 13 00-0352	EA		28" x 20", Venting, New Construction, Awning Vinyl Window (Silver Line 7450)	277.58	40.69
			<i>For Colored Vinyl, Add</i>	19.71	
			<i>For Tinted Glass, Add</i>	23.65	
			<i>For Low-E Insulated Glass, Add</i>	49.28	
			<i>For Obscure Glass, Add</i>	54.20	
08 53 13 00-0353	EA		36" x 20", Venting, New Construction, Awning Vinyl Window (Silver Line 7450)	297.49	43.41
			<i>For Colored Vinyl, Add</i>	21.07	
			<i>For Tinted Glass, Add</i>	25.28	
			<i>For Low-E Insulated Glass, Add</i>	52.67	
			<i>For Obscure Glass, Add</i>	57.94	
08 53 13 00-0354	EA		40" x 20", Venting, New Construction, Awning Vinyl Window (Silver Line 7450)	309.84	46.12
			<i>For Colored Vinyl, Add</i>	21.85	
			<i>For Tinted Glass, Add</i>	26.22	
			<i>For Low-E Insulated Glass, Add</i>	54.63	
			<i>For Obscure Glass, Add</i>	60.09	
08 53 13 00-0355	EA		48" x 20", Venting, New Construction, Awning Vinyl Window (Silver Line 7450)	331.12	49.28
			<i>For Colored Vinyl, Add</i>	23.26	
			<i>For Tinted Glass, Add</i>	27.91	
			<i>For Low-E Insulated Glass, Add</i>	58.14	
			<i>For Obscure Glass, Add</i>	63.95	
08 53 13 00-0356			24" Height, Venting, New Construction, Awning Vinyl Windows (Silver Line 7450) <small>(08 53 13 00-0343)</small>		
08 53 13 00-0357	EA		24" x 24", Venting, New Construction, Awning Vinyl Window (Silver Line 7450)	275.04	40.69
			<i>For Colored Vinyl, Add</i>	19.46	
			<i>For Tinted Glass, Add</i>	23.35	
			<i>For Low-E Insulated Glass, Add</i>	48.64	
			<i>For Obscure Glass, Add</i>	53.50	
08 53 13 00-0358	EA		28" x 24", Venting, New Construction, Awning Vinyl Window (Silver Line 7450)	286.94	42.50
			<i>For Colored Vinyl, Add</i>	20.28	
			<i>For Tinted Glass, Add</i>	24.34	
			<i>For Low-E Insulated Glass, Add</i>	50.71	
			<i>For Obscure Glass, Add</i>	55.78	
08 53 13 00-0359	EA		36" x 24", Venting, New Construction, Awning Vinyl Window (Silver Line 7450)	307.43	45.22
			<i>For Colored Vinyl, Add</i>	21.70	
			<i>For Tinted Glass, Add</i>	26.04	
			<i>For Low-E Insulated Glass, Add</i>	54.25	
			<i>For Obscure Glass, Add</i>	59.68	
08 53 13 00-0360	EA		40" x 24", Venting, New Construction, Awning Vinyl Window (Silver Line 7450)	320.71	47.92
			<i>For Colored Vinyl, Add</i>	22.58	
			<i>For Tinted Glass, Add</i>	27.09	
			<i>For Low-E Insulated Glass, Add</i>	56.44	
			<i>For Obscure Glass, Add</i>	62.08	
08 53 13 00-0361	EA		48" x 24", Venting, New Construction, Awning Vinyl Window (Silver Line 7450)	342.21	51.09
			<i>For Colored Vinyl, Add</i>	24.00	
			<i>For Tinted Glass, Add</i>	28.80	
			<i>For Low-E Insulated Glass, Add</i>	60.01	
			<i>For Obscure Glass, Add</i>	66.01	



Openings	08	08
Windows	08 50	
Plastic Windows	08 53	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0362 28" Height, Venting, New Construction, Awning Vinyl Windows (Silver Line 7450) <small>(08 53 13 00-0343)</small>		
08 53 13 00-0363 EA 24" x 28", Venting, New Construction, Awning Vinyl Window (Silver Line 7450).....	284.42	42.50
For Colored Vinyl, Add	20.03	
For Tinted Glass, Add	24.04	
For Low-E Insulated Glass, Add	50.08	
For Obscure Glass, Add	55.09	
08 53 13 00-0364 EA 28" x 28", Venting, New Construction, Awning Vinyl Window (Silver Line 7450).....	296.32	44.31
For Colored Vinyl, Add	20.86	
For Tinted Glass, Add	25.03	
For Low-E Insulated Glass, Add	52.15	
For Obscure Glass, Add	57.37	
08 53 13 00-0365 EA 36" x 28", Venting, New Construction, Awning Vinyl Window (Silver Line 7450).....	317.39	47.03
For Colored Vinyl, Add	22.34	
For Tinted Glass, Add	26.80	
For Low-E Insulated Glass, Add	55.84	
For Obscure Glass, Add	61.42	
08 53 13 00-0366 EA 40" x 28", Venting, New Construction, Awning Vinyl Window (Silver Line 7450).....	331.53	49.73
For Colored Vinyl, Add	23.30	
For Tinted Glass, Add	27.96	
For Low-E Insulated Glass, Add	58.24	
For Obscure Glass, Add	64.06	
08 53 13 00-0367 EA 48" x 28", Venting, New Construction, Awning Vinyl Window (Silver Line 7450).....	353.32	52.90
For Colored Vinyl, Add	24.75	
For Tinted Glass, Add	29.70	
For Low-E Insulated Glass, Add	61.88	
For Obscure Glass, Add	68.07	
08 53 13 00-0368 36" Height, Venting, New Construction, Awning Vinyl Windows (Silver Line 7450) <small>(08 53 13 00-0343)</small>		
08 53 13 00-0369 EA 36" x 36", Venting, New Construction, Awning Vinyl Window (Silver Line 7450).....	336.37	50.19
For Colored Vinyl, Add	23.60	
For Tinted Glass, Add	28.32	
For Low-E Insulated Glass, Add	59.00	
For Obscure Glass, Add	64.90	
08 53 13 00-0370 EA 40" x 36", Venting, New Construction, Awning Vinyl Window (Silver Line 7450).....	350.53	52.45
For Colored Vinyl, Add	24.56	
For Tinted Glass, Add	29.48	
For Low-E Insulated Glass, Add	61.41	
For Obscure Glass, Add	67.55	
08 53 13 00-0371 EA 48" x 36", Venting, New Construction, Awning Vinyl Window (Silver Line 7450).....	373.47	56.07
For Colored Vinyl, Add	26.13	
For Tinted Glass, Add	31.36	
For Low-E Insulated Glass, Add	65.34	
For Obscure Glass, Add	71.87	
08 53 13 00-0372 Replacement, Awning Vinyl Windows (Silver Line 7400) <small>(08 53 13 00-0341)</small>		
Note: Includes white solid vinyl interior and exterior, standard hardware, clear insulated glass and insect screen. Excludes grilles. Pricing calculated by the United Inch (the combined inches of one width and one height).		
08 53 13 00-0373 EA Up To 53" UI, Replacement, Awning Vinyl Window (Silver Line 7400).....	263.57	38.44
For Colored Vinyl, Add	18.67	
For Tinted Glass, Add	22.41	
For Low-E Insulated Glass, Add	46.68	
For Obscure Glass, Add	51.35	
08 53 13 00-0374 EA >53" To 63" UI, Replacement, Awning Vinyl Window (Silver Line 7400).....	303.49	42.95
For Colored Vinyl, Add	21.76	
For Tinted Glass, Add	26.11	
For Low-E Insulated Glass, Add	54.40	
For Obscure Glass, Add	59.83	
08 53 13 00-0375 EA >63" To 73" UI, Replacement, Awning Vinyl Window (Silver Line 7400).....	342.03	47.48
For Colored Vinyl, Add	24.71	
For Tinted Glass, Add	29.65	
For Low-E Insulated Glass, Add	61.77	
For Obscure Glass, Add	67.95	
08 53 13 00-0376 EA >73" To 83" UI, Replacement, Awning Vinyl Window (Silver Line 7400).....	379.18	52.00
For Colored Vinyl, Add	27.52	
For Tinted Glass, Add	33.02	
For Low-E Insulated Glass, Add	68.80	
For Obscure Glass, Add	75.68	
08 53 13 00-0377 EA >83" To 93" UI, Replacement, Awning Vinyl Window (Silver Line 7400).....	414.96	56.51
For Colored Vinyl, Add	30.19	
For Tinted Glass, Add	36.23	
For Low-E Insulated Glass, Add	75.48	
For Obscure Glass, Add	83.03	
08 53 13 00-0378 EA >93" To 101" UI, Replacement, Awning Vinyl Window (Silver Line 7400).....	436.02	61.04
For Colored Vinyl, Add	31.39	
For Tinted Glass, Add	37.67	
For Low-E Insulated Glass, Add	78.49	
For Obscure Glass, Add	86.33	

08 Openings**08 50 Windows****08 53 Plastic Windows**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0379 UI >101" UI, Replacement, Awning Vinyl Window (Silver Line 7400).....	4.29	0.58
For Colored Vinyl, Add	0.31	
For Tinted Glass, Add	0.37	
For Low-E Insulated Glass, Add	0.78	
For Obscure Glass, Add	0.86	
08 53 13 00-0380 Horizontal Sliding Vinyl Windows (08 53 13)		
08 53 13 00-0381 New Construction, Horizontal Sliding Vinyl Windows (Silver Line 2800) (08 53 13		
00-0380)		
Note: Includes white solid vinyl interior and exterior, standard hardware, clear insulated glass and insect screen.		
Excludes grilles.		
08 53 13 00-0382 20" Height, New Construction, Horizontal Sliding Vinyl Windows (Silver		
Line 2800) (08 53 13 00-0381)		
08 53 13 00-0383 EA 36" x 20", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....	171.12	44.31
For Colored Vinyl, Add	8.34	
For Tinted Glass, Add	10.01	
For Low-E Insulated Glass, Add	20.85	
For Obscure Glass, Add	22.94	
08 53 13 00-0384 EA 48" x 20", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....	190.15	49.73
For Colored Vinyl, Add	9.16	
For Tinted Glass, Add	10.99	
For Low-E Insulated Glass, Add	22.90	
For Obscure Glass, Add	25.18	
08 53 13 00-0385 EA 54" x 20", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....	199.66	52.00
For Colored Vinyl, Add	9.57	
For Tinted Glass, Add	11.48	
For Low-E Insulated Glass, Add	23.92	
For Obscure Glass, Add	26.31	
08 53 13 00-0386 EA 60" x 20", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....	209.17	54.71
For Colored Vinyl, Add	9.98	
For Tinted Glass, Add	11.97	
For Low-E Insulated Glass, Add	24.94	
For Obscure Glass, Add	27.43	
08 53 13 00-0387 EA 64" x 20", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....	215.52	56.97
For Colored Vinyl, Add	10.25	
For Tinted Glass, Add	12.30	
For Low-E Insulated Glass, Add	25.62	
For Obscure Glass, Add	28.18	
08 53 13 00-0388 EA 72" x 20", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....	228.21	60.13
For Colored Vinyl, Add	10.79	
For Tinted Glass, Add	12.95	
For Low-E Insulated Glass, Add	26.99	
For Obscure Glass, Add	29.68	
08 53 13 00-0389 24" Height, New Construction, Horizontal Sliding Vinyl Windows (Silver		
Line 2800) (08 53 13 00-0381)		
08 53 13 00-0390 EA 36" x 24", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....	179.33	46.12
For Colored Vinyl, Add	8.80	
For Tinted Glass, Add	10.56	
For Low-E Insulated Glass, Add	22.00	
For Obscure Glass, Add	24.20	
08 53 13 00-0391 EA 48" x 24", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....	198.73	51.54
For Colored Vinyl, Add	9.66	
For Tinted Glass, Add	11.59	
For Low-E Insulated Glass, Add	24.14	
For Obscure Glass, Add	26.55	
08 53 13 00-0392 EA 54" x 24", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....	208.49	53.81
For Colored Vinyl, Add	10.09	
For Tinted Glass, Add	12.11	
For Low-E Insulated Glass, Add	25.22	
For Obscure Glass, Add	27.74	
08 53 13 00-0393 EA 60" x 24", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....	218.16	56.51
For Colored Vinyl, Add	10.51	
For Tinted Glass, Add	12.61	
For Low-E Insulated Glass, Add	26.28	
For Obscure Glass, Add	28.91	
08 53 13 00-0394 EA 64" x 24", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....	224.61	58.78
For Colored Vinyl, Add	10.80	
For Tinted Glass, Add	12.96	
For Low-E Insulated Glass, Add	26.99	
For Obscure Glass, Add	29.69	
08 53 13 00-0395 EA 72" x 24", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....	237.56	61.94
For Colored Vinyl, Add	11.37	
For Tinted Glass, Add	13.64	
For Low-E Insulated Glass, Add	28.42	
For Obscure Glass, Add	31.26	
08 53 13 00-0396 36" Height, New Construction, Horizontal Sliding Vinyl Windows (Silver		
Line 2800) (08 53 13 00-0381)		



Openings	08	08
Windows	08 50	
Plastic Windows	08 53	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0397	EA		36" x 36", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....	204.11	51.54
			<i>For Colored Vinyl, Add</i>	10.19	
			<i>For Tinted Glass, Add</i>	12.23	
			<i>For Low-E Insulated Glass, Add</i>	25.48	
			<i>For Obscure Glass, Add</i>	28.03	
08 53 13 00-0398	EA		48" x 36", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....	224.72	56.97
			<i>For Colored Vinyl, Add</i>	11.17	
			<i>For Tinted Glass, Add</i>	13.40	
			<i>For Low-E Insulated Glass, Add</i>	27.92	
			<i>For Obscure Glass, Add</i>	30.71	
08 53 13 00-0399	EA		54" x 36", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....	235.03	59.23
			<i>For Colored Vinyl, Add</i>	11.66	
			<i>For Tinted Glass, Add</i>	13.99	
			<i>For Low-E Insulated Glass, Add</i>	29.14	
			<i>For Obscure Glass, Add</i>	32.06	
08 53 13 00-0400	EA		60" x 36", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....	245.34	61.94
			<i>For Colored Vinyl, Add</i>	12.15	
			<i>For Tinted Glass, Add</i>	14.57	
			<i>For Low-E Insulated Glass, Add</i>	30.36	
			<i>For Obscure Glass, Add</i>	33.40	
08 53 13 00-0401	EA		64" x 36", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....	252.21	63.30
			<i>For Colored Vinyl, Add</i>	12.47	
			<i>For Tinted Glass, Add</i>	14.97	
			<i>For Low-E Insulated Glass, Add</i>	31.18	
			<i>For Obscure Glass, Add</i>	34.30	
08 53 13 00-0402	EA		72" x 36", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....	265.94	67.37
			<i>For Colored Vinyl, Add</i>	13.12	
			<i>For Tinted Glass, Add</i>	15.75	
			<i>For Low-E Insulated Glass, Add</i>	32.80	
			<i>For Obscure Glass, Add</i>	36.08	
08 53 13 00-0403			42" Height, New Construction, Horizontal Sliding Vinyl Windows (Silver Line 2800) <small>(08 53 13 00-0381)</small>		
08 53 13 00-0404	EA		36" x 42", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....	216.50	54.26
			<i>For Colored Vinyl, Add</i>	10.89	
			<i>For Tinted Glass, Add</i>	13.07	
			<i>For Low-E Insulated Glass, Add</i>	27.22	
			<i>For Obscure Glass, Add</i>	29.94	
08 53 13 00-0405	EA		48" x 42", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....	237.71	59.68
			<i>For Colored Vinyl, Add</i>	11.93	
			<i>For Tinted Glass, Add</i>	14.31	
			<i>For Low-E Insulated Glass, Add</i>	29.81	
			<i>For Obscure Glass, Add</i>	32.79	
08 53 13 00-0406	EA		54" x 42", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....	248.33	61.94
			<i>For Colored Vinyl, Add</i>	12.44	
			<i>For Tinted Glass, Add</i>	14.93	
			<i>For Low-E Insulated Glass, Add</i>	31.11	
			<i>For Obscure Glass, Add</i>	34.22	
08 53 13 00-0407	EA		60" x 42", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....	258.94	64.66
			<i>For Colored Vinyl, Add</i>	12.96	
			<i>For Tinted Glass, Add</i>	15.56	
			<i>For Low-E Insulated Glass, Add</i>	32.41	
			<i>For Obscure Glass, Add</i>	35.65	
08 53 13 00-0408	EA		64" x 42", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....	266.00	66.91
			<i>For Colored Vinyl, Add</i>	13.31	
			<i>For Tinted Glass, Add</i>	15.97	
			<i>For Low-E Insulated Glass, Add</i>	33.27	
			<i>For Obscure Glass, Add</i>	36.59	
08 53 13 00-0409	EA		72" x 42", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....	280.16	70.08
			<i>For Colored Vinyl, Add</i>	14.00	
			<i>For Tinted Glass, Add</i>	16.80	
			<i>For Low-E Insulated Glass, Add</i>	35.00	
			<i>For Obscure Glass, Add</i>	38.50	
08 53 13 00-0410			44" Height, New Construction, Horizontal Sliding Vinyl Windows (Silver Line 2800) <small>(08 53 13 00-0381)</small>		
08 53 13 00-0411	EA		36" x 44", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....	220.62	55.16
			<i>For Colored Vinyl, Add</i>	11.12	
			<i>For Tinted Glass, Add</i>	13.35	
			<i>For Low-E Insulated Glass, Add</i>	27.80	
			<i>For Obscure Glass, Add</i>	30.58	
08 53 13 00-0412	EA		48" x 44", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....	242.05	60.59
			<i>For Colored Vinyl, Add</i>	12.18	
			<i>For Tinted Glass, Add</i>	14.61	
			<i>For Low-E Insulated Glass, Add</i>	30.45	
			<i>For Obscure Glass, Add</i>	33.49	
08 53 13 00-0413	EA		54" x 44", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....	252.75	62.85
			<i>For Colored Vinyl, Add</i>	12.71	
			<i>For Tinted Glass, Add</i>	15.25	
			<i>For Low-E Insulated Glass, Add</i>	31.77	
			<i>For Obscure Glass, Add</i>	34.94	

08 Openings**08 50 Windows****08 53 Plastic Windows**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0414 EA 60" x 44", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....	263.47	65.56
For Colored Vinyl, Add	13.24	
For Tinted Glass, Add	15.88	
For Low-E Insulated Glass, Add	33.09	
For Obscure Glass, Add	36.40	
08 53 13 00-0415 EA 64" x 44", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....	270.60	67.82
For Colored Vinyl, Add	13.59	
For Tinted Glass, Add	16.30	
For Low-E Insulated Glass, Add	33.97	
For Obscure Glass, Add	37.36	
08 53 13 00-0416 EA 72" x 44", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....	284.88	70.99
For Colored Vinyl, Add	14.29	
For Tinted Glass, Add	17.15	
For Low-E Insulated Glass, Add	35.73	
For Obscure Glass, Add	39.30	
08 53 13 00-0417 46" Height, New Construction, Horizontal Sliding Vinyl Windows (Silver Line 2800) (08 53 13 00-0381)		
08 53 13 00-0418 EA 36" x 46", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....	224.75	56.07
For Colored Vinyl, Add	11.35	
For Tinted Glass, Add	13.62	
For Low-E Insulated Glass, Add	28.38	
For Obscure Glass, Add	31.22	
08 53 13 00-0419 EA 48" x 46", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....	246.37	61.49
For Colored Vinyl, Add	12.43	
For Tinted Glass, Add	14.91	
For Low-E Insulated Glass, Add	31.07	
For Obscure Glass, Add	34.18	
08 53 13 00-0420 EA 54" x 46", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....	257.18	63.76
For Colored Vinyl, Add	12.97	
For Tinted Glass, Add	15.56	
For Low-E Insulated Glass, Add	32.42	
For Obscure Glass, Add	35.66	
08 53 13 00-0421 EA 60" x 46", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....	267.98	66.46
For Colored Vinyl, Add	13.51	
For Tinted Glass, Add	16.21	
For Low-E Insulated Glass, Add	33.76	
For Obscure Glass, Add	37.14	
08 53 13 00-0422 EA 64" x 46", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....	275.19	68.72
For Colored Vinyl, Add	13.87	
For Tinted Glass, Add	16.64	
For Low-E Insulated Glass, Add	34.66	
For Obscure Glass, Add	38.13	
08 53 13 00-0423 EA 72" x 46", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....	289.61	71.89
For Colored Vinyl, Add	14.58	
For Tinted Glass, Add	17.50	
For Low-E Insulated Glass, Add	36.46	
For Obscure Glass, Add	40.10	
08 53 13 00-0424 48" Height, New Construction, Horizontal Sliding Vinyl Windows (Silver Line 2800) (08 53 13 00-0381)		
08 53 13 00-0425 EA 36" x 48", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....	228.89	56.97
For Colored Vinyl, Add	11.59	
For Tinted Glass, Add	13.90	
For Low-E Insulated Glass, Add	28.96	
For Obscure Glass, Add	31.86	
08 53 13 00-0426 EA 48" x 48", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....	250.71	62.40
For Colored Vinyl, Add	12.68	
For Tinted Glass, Add	15.22	
For Low-E Insulated Glass, Add	31.71	
For Obscure Glass, Add	34.88	
08 53 13 00-0427 EA 54" x 48", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....	261.62	64.66
For Colored Vinyl, Add	13.23	
For Tinted Glass, Add	15.88	
For Low-E Insulated Glass, Add	33.08	
For Obscure Glass, Add	36.39	
08 53 13 00-0428 EA 60" x 48", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....	272.51	67.37
For Colored Vinyl, Add	13.78	
For Tinted Glass, Add	16.53	
For Low-E Insulated Glass, Add	34.45	
For Obscure Glass, Add	37.89	
08 53 13 00-0429 EA 64" x 48", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....	279.79	69.63
For Colored Vinyl, Add	14.14	
For Tinted Glass, Add	16.97	
For Low-E Insulated Glass, Add	35.36	
For Obscure Glass, Add	38.90	
08 53 13 00-0430 EA 72" x 48", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....	294.35	72.80
For Colored Vinyl, Add	14.88	
For Tinted Glass, Add	17.85	
For Low-E Insulated Glass, Add	37.19	
For Obscure Glass, Add	40.91	



Openings	08	08
Windows	08 50	
Plastic Windows	08 53	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0431 50" Height, New Construction, Horizontal Sliding Vinyl Windows (Silver Line 2800) <small>(08 53 13 00-0381)</small>		
08 53 13 00-0432 EA 36" x 50", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....	233.02	57.87
For Colored Vinyl, Add	11.82	
For Tinted Glass, Add	14.18	
For Low-E Insulated Glass, Add	29.54	
For Obscure Glass, Add	32.50	
08 53 13 00-0433 EA 48" x 50", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....	255.03	63.30
For Colored Vinyl, Add	12.93	
For Tinted Glass, Add	15.52	
For Low-E Insulated Glass, Add	32.34	
For Obscure Glass, Add	35.57	
08 53 13 00-0434 EA 54" x 50", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....	266.04	65.56
For Colored Vinyl, Add	13.49	
For Tinted Glass, Add	16.19	
For Low-E Insulated Glass, Add	33.73	
For Obscure Glass, Add	37.10	
08 53 13 00-0435 EA 60" x 50", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....	277.04	68.27
For Colored Vinyl, Add	14.05	
For Tinted Glass, Add	16.86	
For Low-E Insulated Glass, Add	35.13	
For Obscure Glass, Add	38.64	
08 53 13 00-0436 EA 64" x 50", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....	284.40	70.54
For Colored Vinyl, Add	14.42	
For Tinted Glass, Add	17.31	
For Low-E Insulated Glass, Add	36.06	
For Obscure Glass, Add	39.66	
08 53 13 00-0437 EA 72" x 50", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....	299.07	73.69
For Colored Vinyl, Add	15.17	
For Tinted Glass, Add	18.20	
For Low-E Insulated Glass, Add	37.92	
For Obscure Glass, Add	41.71	
08 53 13 00-0438 52" Height, New Construction, Horizontal Sliding Vinyl Windows (Silver Line 2800) <small>(08 53 13 00-0381)</small>		
08 53 13 00-0439 EA 36" x 52", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....	237.14	58.78
For Colored Vinyl, Add	12.05	
For Tinted Glass, Add	14.46	
For Low-E Insulated Glass, Add	30.12	
For Obscure Glass, Add	33.13	
08 53 13 00-0440 EA 48" x 52", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....	259.36	64.21
For Colored Vinyl, Add	13.19	
For Tinted Glass, Add	15.82	
For Low-E Insulated Glass, Add	32.97	
For Obscure Glass, Add	36.26	
08 53 13 00-0441 EA 54" x 52", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....	270.47	66.46
For Colored Vinyl, Add	13.75	
For Tinted Glass, Add	16.50	
For Low-E Insulated Glass, Add	34.39	
For Obscure Glass, Add	37.82	
08 53 13 00-0442 EA 60" x 52", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....	281.58	69.18
For Colored Vinyl, Add	14.32	
For Tinted Glass, Add	17.19	
For Low-E Insulated Glass, Add	35.81	
For Obscure Glass, Add	39.39	
08 53 13 00-0443 EA 64" x 52", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....	289.00	71.44
For Colored Vinyl, Add	14.70	
For Tinted Glass, Add	17.64	
For Low-E Insulated Glass, Add	36.76	
For Obscure Glass, Add	40.43	
08 53 13 00-0444 EA 72" x 52", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....	303.81	74.60
For Colored Vinyl, Add	15.46	
For Tinted Glass, Add	18.55	
For Low-E Insulated Glass, Add	38.65	
For Obscure Glass, Add	42.52	
08 53 13 00-0445 54" Height, New Construction, Horizontal Sliding Vinyl Windows (Silver Line 2800) <small>(08 53 13 00-0381)</small>		
08 53 13 00-0446 EA 36" x 54", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....	241.27	59.68
For Colored Vinyl, Add	12.28	
For Tinted Glass, Add	14.74	
For Low-E Insulated Glass, Add	30.70	
For Obscure Glass, Add	33.77	
08 53 13 00-0447 EA 48" x 54", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....	263.69	65.10
For Colored Vinyl, Add	13.44	
For Tinted Glass, Add	16.13	
For Low-E Insulated Glass, Add	33.60	
For Obscure Glass, Add	36.95	

08 Openings**08 50 Windows****08 53 Plastic Windows**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0448	EA		54" x 54", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....	274.90	67.37
			<i>For Colored Vinyl, Add</i>	14.02	
			<i>For Tinted Glass, Add</i>	16.82	
			<i>For Low-E Insulated Glass, Add</i>	35.04	
			<i>For Obscure Glass, Add</i>	38.55	
08 53 13 00-0449	EA		60" x 54", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....	286.12	70.08
			<i>For Colored Vinyl, Add</i>	14.60	
			<i>For Tinted Glass, Add</i>	17.51	
			<i>For Low-E Insulated Glass, Add</i>	36.49	
			<i>For Obscure Glass, Add</i>	40.14	
08 53 13 00-0450	EA		64" x 54", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....	293.59	72.35
			<i>For Colored Vinyl, Add</i>	14.98	
			<i>For Tinted Glass, Add</i>	17.98	
			<i>For Low-E Insulated Glass, Add</i>	37.45	
			<i>For Obscure Glass, Add</i>	41.20	
08 53 13 00-0451	EA		72" x 54", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....	308.53	75.50
			<i>For Colored Vinyl, Add</i>	15.75	
			<i>For Tinted Glass, Add</i>	18.90	
			<i>For Low-E Insulated Glass, Add</i>	39.38	
			<i>For Obscure Glass, Add</i>	43.32	
08 53 13 00-0452			60" Height, New Construction, Horizontal Sliding Vinyl Windows (Silver Line 2800) <small>(08 53 13 00-0381)</small>		
08 53 13 00-0453	EA		36" x 60", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....	259.79	62.40
			<i>For Colored Vinyl, Add</i>	13.59	
			<i>For Tinted Glass, Add</i>	16.31	
			<i>For Low-E Insulated Glass, Add</i>	33.98	
			<i>For Obscure Glass, Add</i>	37.37	
08 53 13 00-0454	EA		48" x 60", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....	276.68	67.82
			<i>For Colored Vinyl, Add</i>	14.20	
			<i>For Tinted Glass, Add</i>	17.03	
			<i>For Low-E Insulated Glass, Add</i>	35.49	
			<i>For Obscure Glass, Add</i>	39.04	
08 53 13 00-0455	EA		54" x 60", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....	288.21	70.08
			<i>For Colored Vinyl, Add</i>	14.80	
			<i>For Tinted Glass, Add</i>	17.76	
			<i>For Low-E Insulated Glass, Add</i>	37.01	
			<i>For Obscure Glass, Add</i>	40.71	
08 53 13 00-0456	EA		60" x 60", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....	299.71	72.80
			<i>For Colored Vinyl, Add</i>	15.41	
			<i>For Tinted Glass, Add</i>	18.49	
			<i>For Low-E Insulated Glass, Add</i>	38.53	
			<i>For Obscure Glass, Add</i>	42.38	
08 53 13 00-0457	EA		64" x 60", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....	307.39	75.05
			<i>For Colored Vinyl, Add</i>	15.82	
			<i>For Tinted Glass, Add</i>	18.98	
			<i>For Low-E Insulated Glass, Add</i>	39.55	
			<i>For Obscure Glass, Add</i>	43.50	
08 53 13 00-0458	EA		72" x 60", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....	322.73	78.22
			<i>For Colored Vinyl, Add</i>	16.63	
			<i>For Tinted Glass, Add</i>	19.95	
			<i>For Low-E Insulated Glass, Add</i>	41.57	
			<i>For Obscure Glass, Add</i>	45.73	
08 53 13 00-0459			Replacement, Horizontal Sliding Vinyl Windows (Silver Line 8700) <small>(08 53 13 00-0380)</small>		
			Note: Includes white solid vinyl interior and exterior, standard hardware, clear insulated glass and insect screen. Excludes grilles. Pricing calculated by the United Inch (the combined inches of one width and one height).		
08 53 13 00-0460	EA		Up To 73" UI, Replacement, Horizontal Sliding Vinyl Window (Silver Line 8700).....	251.27	47.48
			<i>For Colored Vinyl, Add</i>	15.63	
			<i>For Tinted Glass, Add</i>	18.76	
			<i>For Low-E Insulated Glass, Add</i>	39.08	
			<i>For Obscure Glass, Add</i>	42.99	
08 53 13 00-0461	EA		>73" To 83" UI, Replacement, Horizontal Sliding Vinyl Window (Silver Line 8700).....	275.99	52.00
			<i>For Colored Vinyl, Add</i>	17.20	
			<i>For Tinted Glass, Add</i>	20.64	
			<i>For Low-E Insulated Glass, Add</i>	43.00	
			<i>For Obscure Glass, Add</i>	47.30	
08 53 13 00-0462	EA		>83" To 93" UI, Replacement, Horizontal Sliding Vinyl Window (Silver Line 8700).....	299.33	56.51
			<i>For Colored Vinyl, Add</i>	18.63	
			<i>For Tinted Glass, Add</i>	22.35	
			<i>For Low-E Insulated Glass, Add</i>	46.57	
			<i>For Obscure Glass, Add</i>	51.23	
08 53 13 00-0463	EA		>93" To 101" UI, Replacement, Horizontal Sliding Vinyl Window (Silver Line 8700).....	317.42	61.04
			<i>For Colored Vinyl, Add</i>	19.53	
			<i>For Tinted Glass, Add</i>	23.44	
			<i>For Low-E Insulated Glass, Add</i>	48.84	
			<i>For Obscure Glass, Add</i>	53.72	
08 53 13 00-0464	EA		>101" To 110" UI, Replacement, Horizontal Sliding Vinyl Window (Silver Line 8700).....	336.27	65.56
			<i>For Colored Vinyl, Add</i>	20.52	
			<i>For Tinted Glass, Add</i>	24.62	
			<i>For Low-E Insulated Glass, Add</i>	51.29	
			<i>For Obscure Glass, Add</i>	56.42	



Openings	08	08
Windows	08 50	
Plastic Windows	08 53	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0465 EA >110" To 120" UI, Replacement, Horizontal Sliding Vinyl Window (Silver Line 8700)	363.97	70.08
For Colored Vinyl, Add	22.38	
For Tinted Glass, Add	26.86	
For Low-E Insulated Glass, Add	55.95	
For Obscure Glass, Add	61.55	
08 53 13 00-0466 UI >120" UI, Replacement, Horizontal Sliding Vinyl Window (Silver Line 8700)	3.04	0.58
For Colored Vinyl, Add	0.19	
For Tinted Glass, Add	0.22	
For Low-E Insulated Glass, Add	0.47	
For Obscure Glass, Add	0.51	
08 53 13 00-0467 Basement Vinyl Windows (08 53 13)		
08 53 13 00-0468 New Construction, Basement Vinyl Windows (Silver Line 5900) (08 53 13 00-0467)		
Note: Includes white solid vinyl interior and exterior, standard hardware, clear insulated glass and insect screen. Excludes grilles.		
08 53 13 00-0469 EA 32" x 15", New Construction, Basement Vinyl Window (Silver Line 5900).....	155.24	36.17
For Colored Vinyl, Add	8.29	
For Tinted Glass, Add	9.95	
For Low-E Insulated Glass, Add	20.72	
For Obscure Glass, Add	22.79	
08 53 13 00-0470 EA 32" x 20", New Construction, Basement Vinyl Window (Silver Line 5900).....	164.91	36.17
For Colored Vinyl, Add	9.26	
For Tinted Glass, Add	11.11	
For Low-E Insulated Glass, Add	23.14	
For Obscure Glass, Add	25.45	
08 53 13 00-0471 EA 32" x 23", New Construction, Basement Vinyl Window (Silver Line 5900).....	170.44	36.17
For Colored Vinyl, Add	9.81	
For Tinted Glass, Add	11.77	
For Low-E Insulated Glass, Add	24.52	
For Obscure Glass, Add	26.97	
08 53 13 00-0472 Replacement, Basement Vinyl Windows (08 53 13 00-0467)		
Note: Includes white solid vinyl interior and exterior, standard hardware, clear insulated glass and insect screen. Excludes grilles. Pricing calculated by the United Inch (the combined inches of one width and one height).		
08 53 13 00-0473 EA Up To 47" UI, Replacement, Basement Vinyl Window.....	187.97	35.27
For Colored Vinyl, Add	11.74	
For Tinted Glass, Add	14.09	
For Low-E Insulated Glass, Add	29.36	
For Obscure Glass, Add	32.29	
08 53 13 00-0474 EA >47" To 55" UI, Replacement, Basement Vinyl Window.....	210.56	40.69
For Colored Vinyl, Add	12.92	
For Tinted Glass, Add	15.50	
For Low-E Insulated Glass, Add	32.29	
For Obscure Glass, Add	35.52	
08 53 13 00-0475 UI >55" UI, Replacement, Basement Vinyl Window	3.53	0.58
For Colored Vinyl, Add	0.24	
For Tinted Glass, Add	0.28	
For Low-E Insulated Glass, Add	0.59	
For Obscure Glass, Add	0.65	
08 53 13 00-0476 Accessories For Vinyl Windows (08 53 13)		
08 53 13 00-0477 Factory Installed Grilles For Vinyl Windows (08 53 13 00-0476)		
08 53 13 00-0478 Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Vinyl Windows (08 53 13 00-0477)		
08 53 13 00-0479 EA Up To 9 SF Windows, Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Vinyl Windows.....	19.34	
08 53 13 00-0480 EA >9 To 18 SF Windows, Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Vinyl Windows.....	24.87	
08 53 13 00-0481 EA >18 To 24 SF Windows, Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Vinyl Windows.....	32.03	
08 53 13 00-0482 EA >24 To 36 SF Windows, Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Vinyl Windows.....	37.80	
08 53 13 00-0483 EA >36 SF Windows, Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Vinyl Windows.....	46.47	
08 53 13 00-0484 Fixed Exterior And Interior Grilles With Spacers, Factory Installed Grilles For Vinyl Windows (08 53 13 00-0477)		
08 53 13 00-0485 EA Up To 9 SF Windows, Fixed Exterior And Interior Grilles With Spacers, Factory Installed Grilles For Vinyl Windows.....	43.96	
08 53 13 00-0486 EA >9 To 18 SF Windows, Fixed Exterior And Interior Grilles With Spacers, Factory Installed Grilles For Vinyl Windows.....	52.75	
08 53 13 00-0487 EA >18 To 24 SF Windows, Fixed Exterior And Interior Grilles With Spacers, Factory Installed Grilles For Vinyl Windows.....	66.56	
08 53 13 00-0488 EA >24 To 36 SF Windows, Fixed Exterior And Interior Grilles With Spacers, Factory Installed Grilles For Vinyl Windows.....	82.89	
08 53 13 00-0489 EA >36 SF Windows, Fixed Exterior And Interior Grilles With Spacers, Factory Installed Grilles For Vinyl Windows.....	99.22	
08 53 66 Vinyl Window Screens (08 53)		
08 53 66 00-0001 Insect Screens For Vinyl Windows (08 53 66)		
08 53 66 00-0002 EA Up To 6 SF, Insect Screen For Vinyl Windows.....	26.99	7.21

08 Openings**08 50 Windows****08 53 Plastic Windows**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 66 00-0003	EA		>6 To 9 SF, Insect Screen For Vinyl Windows.....	34.52	7.21
08 53 66 00-0004	EA		>9 To 12 SF, Insect Screen For Vinyl Windows.....	37.04	7.21
08 53 66 00-0005	EA		>12 To 15 SF, Insect Screen For Vinyl Windows.....	42.06	7.21
08 53 66 00-0006	EA		>15 To 20 SF, Insect Screen For Vinyl Windows.....	53.36	7.21
08 53 66 00-0007	EA		>20 To 25 SF, Insect Screen For Vinyl Windows.....	58.39	7.21
08 53 66 00-0008	EA		>25 To 30 SF, Insect Screen For Vinyl Windows.....	65.92	7.21
08 53 66 00-0009	EA		>30 To 35 SF, Insect Screen For Vinyl Windows.....	70.95	7.21
08 53 66 00-0010	SF		>35 SF, Insect Screen For Vinyl Windows.....	2.12	0.14

08 56 Special Function Windows (08 50)**08 56 19 Pass Windows (08 56)****08 56 19 00-0001 Bullet Resistant Pass Through Service Window, Steel Frame (08 56 19)**

08 56 19 00-0002	EA		24" x 36", Bullet Resistant Pass Through Service Window, 1.25" Acrylic Glazing Level I, Steel Frame	2,489.23	536.92
			For 1.375" Acrylic Level II Bullet Resistant Glazing, Add	45.00	
			For 1.25" Multi-Ply Polycarbonate Level III Bullet Resistant Glazing, Add	295.00	
08 56 19 00-0003	EA		30" x 36", Bullet Resistant Pass Through Service Window, 1.25" Acrylic Glazing Level I, Steel Frame	2,709.41	581.67
			For 1.375" Acrylic Level II Bullet Resistant Glazing, Add	60.00	
			For 1.25" Multi-Ply Polycarbonate Level III Bullet Resistant Glazing, Add	370.00	
08 56 19 00-0004	EA		36" x 36", Bullet Resistant Pass Through Service Window, 1.25" Acrylic Glazing Level I, Steel Frame	2,863.32	626.41
			For 1.375" Acrylic Level II Bullet Resistant Glazing, Add	70.00	
			For 1.25" Multi-Ply Polycarbonate Level III Bullet Resistant Glazing, Add	445.00	
08 56 19 00-0005	EA		48" x 40", Bullet Resistant Pass Through Service Window, 1.25" Acrylic Glazing Level I, Steel Frame	3,547.41	715.89
			For 1.375" Acrylic Level II Bullet Resistant Glazing, Add	100.00	
			For 1.25" Multi-Ply Polycarbonate Level III Bullet Resistant Glazing, Add	650.00	
08 56 19 00-0006	EA		72" x 40", Bullet Resistant Pass Through Service Window, 1.25" Acrylic Glazing Level I, Steel Frame	4,892.78	1,073.85
			For 1.375" Acrylic Level II Bullet Resistant Glazing, Add	150.00	
			For 1.25" Multi-Ply Polycarbonate Level III Bullet Resistant Glazing, Add	975.00	

08 56 49 Radiation Shielding Windows (08 56)**08 56 49 00-0001 Lead Lined Window Frames (08 56 49)**

08 56 49 00-0002	LF		1/16" Lead Lined, 16 Gauge Telescoping Window Frame	29.27	6.78
08 56 49 00-0003	LF		1/8" Lead Lined, 16 Gauge Telescoping Window Frame	32.64	6.78

08 56 56 Security Window Screens (08 56)

Note: All security window screens include frame and mounting hardware. Operable security screens include hinges and related hardware.

08 56 56 00-0001 Wire Mesh Security Screen (08 56 56)**08 56 56 00-0002 Wire Mesh, Inoperable, Security Window Screen (08 56 56 00-0001)**

08 56 56 00-0003	SF		13 Gauge, Wire Mesh, Inoperable, Steel Security Window Screen	14.09	4.02
			For Painted Steel, Add	0.87	
			For Galvanized Steel, Add	1.74	
			For Aluminum, Add	3.49	
			For Stainless Steel, Add	15.26	
08 56 56 00-0004	SF		11 Gauge, Wire Mesh, Inoperable, Steel Security Window Screen	14.34	4.02
			For Painted Steel, Add	0.90	
			For Galvanized Steel, Add	1.79	
			For Aluminum, Add	3.59	
			For Stainless Steel, Add	15.70	
08 56 56 00-0005	SF		9 Gauge, Wire Mesh, Inoperable, Steel Security Window Screen	15.49	4.02
			For Painted Steel, Add	1.01	
			For Galvanized Steel, Add	2.02	
			For Aluminum, Add	4.05	
			For Stainless Steel, Add	17.71	
08 56 56 00-0006	SF		6 Gauge, Wire Mesh, Inoperable, Steel Security Window Screen	17.95	4.02
			For Painted Steel, Add	1.26	
			For Galvanized Steel, Add	2.52	
			For Aluminum, Add	5.03	
			For Stainless Steel, Add	22.02	

08 56 56 00-0007 Wire Mesh, Operable, Security Window Screen (08 56 56 00-0001)

08 56 56 00-0008	SF		13 Gauge, Wire Mesh, Operable, Steel Security Window Screen	19.57	4.92
			For Painted Steel, Add	1.24	
			For Galvanized Steel, Add	2.48	
			For Aluminum, Add	4.97	
			For Stainless Steel, Add	21.74	
08 56 56 00-0009	SF		11 Gauge, Wire Mesh, Operable, Steel Security Window Screen	19.95	4.92
			For Painted Steel, Add	1.28	
			For Galvanized Steel, Add	2.56	
			For Aluminum, Add	5.12	
			For Stainless Steel, Add	22.40	
08 56 56 00-0010	SF		9 Gauge, Wire Mesh, Operable, Steel Security Window Screen	21.60	4.92
			For Painted Steel, Add	1.45	
			For Galvanized Steel, Add	2.89	
			For Aluminum, Add	5.78	
			For Stainless Steel, Add	25.29	



Openings	08	08
Windows	08 50	
Special Function Windows	08 56	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 56 56 00-0011	SF		6 Gauge, Wire Mesh, Operable, Steel Security Window Screen	25.05	4.92
			<i>For Painted Steel, Add</i>	1.79	
			<i>For Galvanized Steel, Add</i>	3.58	
			<i>For Aluminum, Add</i>	7.16	
			<i>For Stainless Steel, Add</i>	31.33	
08 56 56 00-0012			Wire Cloth Security Screen <small>(08 56 56)</small>		
			Note: Wire cloth has from 10 to 12 strands per 1".		
08 56 56 00-0013			Wire Cloth, Inoperable, Security Window Screens <small>(08 56 56 00-0012)</small>		
08 56 56 00-0014	SF		24 Gauge, Wire Cloth, Inoperable, Steel Security Window Screen	9.68	2.69
			<i>For Painted Steel, Add</i>	0.26	
			<i>For Galvanized Steel, Add</i>	0.78	
			<i>For Aluminum, Add</i>	1.56	
			<i>For Stainless Steel, Add</i>	6.50	
08 56 56 00-0015	SF		22 Gauge, Wire Cloth, Inoperable, Steel Security Window Screen	10.03	2.69
			<i>For Painted Steel, Add</i>	0.28	
			<i>For Galvanized Steel, Add</i>	0.83	
			<i>For Aluminum, Add</i>	1.67	
			<i>For Stainless Steel, Add</i>	6.94	
08 56 56 00-0016	SF		20 Gauge, Wire Cloth, Inoperable, Steel Security Window Screen	10.58	2.69
			<i>For Painted Steel, Add</i>	0.31	
			<i>For Galvanized Steel, Add</i>	0.92	
			<i>For Aluminum, Add</i>	1.83	
			<i>For Stainless Steel, Add</i>	7.63	
08 56 56 00-0017	SF		18 Gauge, Wire Cloth, Inoperable, Steel Security Window Screen	11.63	2.69
			<i>For Painted Steel, Add</i>	0.36	
			<i>For Galvanized Steel, Add</i>	1.07	
			<i>For Aluminum, Add</i>	2.15	
			<i>For Stainless Steel, Add</i>	8.94	
08 56 56 00-0018			Wire Cloth, Operable, Security Window Screens <small>(08 56 56 00-0012)</small>		
08 56 56 00-0019	SF		24 Gauge, Wire Cloth, Operable, Steel Security Window Screen.....	12.78	3.58
			<i>For Painted Steel, Add</i>	0.37	
			<i>For Galvanized Steel, Add</i>	1.11	
			<i>For Aluminum, Add</i>	2.22	
			<i>For Stainless Steel, Add</i>	9.26	
08 56 56 00-0020	SF		22 Gauge, Wire Cloth, Operable, Steel Security Window Screen.....	13.32	3.58
			<i>For Painted Steel, Add</i>	0.40	
			<i>For Galvanized Steel, Add</i>	1.19	
			<i>For Aluminum, Add</i>	2.39	
			<i>For Stainless Steel, Add</i>	9.94	
08 56 56 00-0021	SF		20 Gauge, Wire Cloth, Operable, Steel Security Window Screen.....	14.07	3.58
			<i>For Painted Steel, Add</i>	0.44	
			<i>For Galvanized Steel, Add</i>	1.31	
			<i>For Aluminum, Add</i>	2.61	
			<i>For Stainless Steel, Add</i>	10.88	
08 56 56 00-0022	SF		18 Gauge, Wire Cloth, Operable, Steel Security Window Screen.....	15.57	3.58
			<i>For Painted Steel, Add</i>	0.51	
			<i>For Galvanized Steel, Add</i>	1.53	
			<i>For Aluminum, Add</i>	3.06	
			<i>For Stainless Steel, Add</i>	12.75	
08 56 56 00-0023			Expanded Metal Security Screen <small>(08 56 56)</small>		
			Note: Flattened or standard pattern. Dimension given is the short distance across the opening (SWO). The # designation is the pattern number of the expanded metal and is not the gauge.		
08 56 56 00-0024			Expanded Metal, Inoperable, Security Screen <small>(08 56 56 00-0023)</small>		
08 56 56 00-0025	SF		1/4" #18, Thickness 0.04" Expanded Metal, Inoperable, Steel Security Window Screen	18.20	6.71
			<i>For Painted Steel, Add</i>	0.51	
			<i>For Galvanized Steel, Add</i>	1.52	
			<i>For Aluminum, Add</i>	3.05	
			<i>For Stainless Steel, Add</i>	12.69	
08 56 56 00-0026	SF		1/2" #13, Thickness 0.07" Expanded Metal, Inoperable, Steel Security Window Screen	21.44	8.05
			<i>For Painted Steel, Add</i>	0.58	
			<i>For Galvanized Steel, Add</i>	1.74	
			<i>For Aluminum, Add</i>	3.48	
			<i>For Stainless Steel, Add</i>	14.50	
08 56 56 00-0027	SF		3/4" #13, Thickness 0.07" Expanded Metal, Inoperable, Steel Security Window Screen	24.28	9.84
			<i>For Painted Steel, Add</i>	0.63	
			<i>For Galvanized Steel, Add</i>	1.90	
			<i>For Aluminum, Add</i>	3.80	
			<i>For Stainless Steel, Add</i>	15.81	
08 56 56 00-0028	SF		3/4" #9, Thickness 0.12" Expanded Metal, Inoperable, Steel Security Window Screen	28.77	11.63
			<i>For Painted Steel, Add</i>	0.72	
			<i>For Galvanized Steel, Add</i>	2.17	
			<i>For Aluminum, Add</i>	4.34	
			<i>For Stainless Steel, Add</i>	18.06	
08 56 56 00-0029	SF		1-1/2" #9, Thickness 0.11" Expanded Metal, Inoperable, Steel Security Window Screen	26.82	11.19
			<i>For Painted Steel, Add</i>	0.67	
			<i>For Galvanized Steel, Add</i>	2.01	
			<i>For Aluminum, Add</i>	4.02	
			<i>For Stainless Steel, Add</i>	16.75	

08 Openings**08 50 Windows****08 56 Special Function Windows**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 56 56 00-0030 SF 3 LB/SF Expanded Metal, Inoperable, Steel Security Window Screen	33.86	14.32
For Painted Steel, Add	0.84	
For Galvanized Steel, Add	2.53	
For Aluminum, Add	5.06	
For Stainless Steel, Add	21.06	
08 56 56 00-0031 Expanded Metal, Operable, Security Screen (08 56 56 00-0023)		
08 56 56 00-0032 SF 1/4" #18, Thickness 0.04" Expanded Metal, Operable, Steel Security Window Screen.....	24.29	8.05
For Painted Steel, Add	0.72	
For Galvanized Steel, Add	2.17	
For Aluminum, Add	4.34	
For Stainless Steel, Add	18.06	
08 56 56 00-0033 SF 1/2" #13, Thickness 0.07" Expanded Metal, Operable, Steel Security Window Screen.....	28.18	9.84
For Painted Steel, Add	0.83	
For Galvanized Steel, Add	2.48	
For Aluminum, Add	4.97	
For Stainless Steel, Add	20.69	
08 56 56 00-0034 SF 3/4" #13, Thickness 0.07" Expanded Metal, Operable, Steel Security Window Screen.....	31.47	11.19
For Painted Steel, Add	0.90	
For Galvanized Steel, Add	2.71	
For Aluminum, Add	5.42	
For Stainless Steel, Add	22.56	
08 56 56 00-0035 SF 1-1/2" #9, Thickness 0.11" Expanded Metal, Operable, Steel Security Window Screen.....	34.31	12.53
For Painted Steel, Add	0.96	
For Galvanized Steel, Add	2.87	
For Aluminum, Add	5.73	
For Stainless Steel, Add	23.88	
08 56 56 00-0036 SF 3/4" #9, Thickness 0.12" Expanded Metal, Operable, Steel Security Window Screen.....	37.60	14.32
For Painted Steel, Add	1.03	
For Galvanized Steel, Add	3.09	
For Aluminum, Add	6.18	
For Stainless Steel, Add	25.74	
08 56 56 00-0037 SF 3 LB/SF Expanded Metal, Operable, Steel Security Window Screen	42.80	15.66
For Painted Steel, Add	1.20	
For Galvanized Steel, Add	3.60	
For Aluminum, Add	7.20	
For Stainless Steel, Add	30.00	
08 56 56 00-0038 Perforated Metal Security Screen (08 56 56)		
08 56 56 00-0039 Perforated Metal, Inoperable, Steel Security Window Screen (08 56 56 00-0038)		
08 56 56 00-0040 SF 22 Gauge Perforated Metal, 63% Openings, Inoperable, Steel Security Window Screen	15.47	4.02
For Painted Steel, Add	0.51	
For Galvanized Steel, Add	1.52	
For Aluminum, Add	3.03	
For Stainless Steel, Add	10.10	
08 56 56 00-0041 SF 20 Gauge Perforated Metal, 63% Openings, Inoperable, Steel Security Window Screen	15.87	4.02
For Painted Steel, Add	0.53	
For Galvanized Steel, Add	1.58	
For Aluminum, Add	3.15	
For Stainless Steel, Add	10.50	
08 56 56 00-0042 SF 18 Gauge Perforated Metal, 63% Openings, Inoperable, Steel Security Window Screen	17.22	4.02
For Painted Steel, Add	0.59	
For Galvanized Steel, Add	1.78	
For Aluminum, Add	3.56	
For Stainless Steel, Add	11.85	
08 56 56 00-0043 SF 16 Gauge Perforated Metal, 63% Openings, Inoperable, Steel Security Window Screen	19.77	4.02
For Painted Steel, Add	0.72	
For Galvanized Steel, Add	2.16	
For Aluminum, Add	4.32	
For Stainless Steel, Add	14.40	
08 56 56 00-0044 Perforated Metal, Operable, Steel Security Window Screen (08 56 56 00-0038)		
08 56 56 00-0045 SF 22 Gauge Perforated Metal, 63% Openings, Operable, Steel Security Window Screen.....	21.50	4.92
For Painted Steel, Add	0.72	
For Galvanized Steel, Add	2.15	
For Aluminum, Add	4.31	
For Stainless Steel, Add	14.35	
08 56 56 00-0046 SF 20 Gauge Perforated Metal, 63% Openings, Operable, Steel Security Window Screen.....	22.20	4.92
For Painted Steel, Add	0.75	
For Galvanized Steel, Add	2.26	
For Aluminum, Add	4.52	
For Stainless Steel, Add	15.05	
08 56 56 00-0047 SF 18 Gauge Perforated Metal, 63% Openings, Operable, Steel Security Window Screen.....	23.95	4.92
For Painted Steel, Add	0.84	
For Galvanized Steel, Add	2.52	
For Aluminum, Add	5.04	
For Stainless Steel, Add	16.80	



Openings	08	08
Windows	08 50	
Special Function Windows	08 56	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 56 56 00-0048	SF		16 Gauge Perforated Metal, 63% Openings, Operable, Steel Security Window Screen	27.60	4.92
			<i>For Painted Steel, Add</i>	1.02	
			<i>For Galvanized Steel, Add</i>	3.07	
			<i>For Aluminum, Add</i>	6.14	
			<i>For Stainless Steel, Add</i>	20.45	

08 56 56 00-0049 Remove And Reinstall Security Screens And Guards (08 56 56)

08 56 56 00-0050	SF		Removal And Reinstallation Of Security Screens	11.25	
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08 60 Roof Windows And Skylights (08)

Note: Includes hardware, caulk, sealant and necessary anchors.

08 62 Unit Skylights (08 60)

08 62 23 Tubular Skylights (08 62)

08 62 23 00-0001 Aluminum Framed Solar Tube Skylights (08 62 23)

Note: Includes knock down curb with safety security guard, class 1 hail rated double glazed skylight, light shaft top trim, reflective light well, T-bar ceiling frame, acrylic diffuser lens and lens clip.

08 62 23 00-0002 31-5/8" x 31-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylights (08 62 23 00-0001)

08 62 23 00-0003	EA		2' Shaft Length, 31-5/8" x 31-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	754.11	161.55
			<i>For Class 3 Hail Rated, Add</i>	4.00	
			<i>For Polycarbonate Diffuser Lens, Add</i>	7.00	
			<i>For High Velocity Hurricane Zone Rated, Add</i>	14.00	
			<i>For FM Approved, Add</i>	20.00	
			<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	49.00	
			<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	69.00	
			<i>For Single Blade Louver, Add</i>	492.31	
08 62 23 00-0004	EA		3' Shaft Length, 31-5/8" x 31-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	792.19	165.59
			<i>For Class 3 Hail Rated, Add</i>	4.00	
			<i>For Polycarbonate Diffuser Lens, Add</i>	7.00	
			<i>For High Velocity Hurricane Zone Rated, Add</i>	14.00	
			<i>For FM Approved, Add</i>	20.00	
			<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	49.00	
			<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	69.00	
			<i>For Single Blade Louver, Add</i>	493.12	
08 62 23 00-0005	EA		4' Shaft Length, 31-5/8" x 31-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	829.27	169.63
			<i>For Class 3 Hail Rated, Add</i>	4.00	
			<i>For Polycarbonate Diffuser Lens, Add</i>	7.00	
			<i>For High Velocity Hurricane Zone Rated, Add</i>	14.00	
			<i>For FM Approved, Add</i>	20.00	
			<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	49.00	
			<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	69.00	
			<i>For Single Blade Louver, Add</i>	493.93	
08 62 23 00-0006	EA		5' Shaft Length, 31-5/8" x 31-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	880.34	173.68
			<i>For Class 3 Hail Rated, Add</i>	4.00	
			<i>For Polycarbonate Diffuser Lens, Add</i>	7.00	
			<i>For High Velocity Hurricane Zone Rated, Add</i>	14.00	
			<i>For FM Approved, Add</i>	20.00	
			<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	49.00	
			<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	69.00	
			<i>For Single Blade Louver, Add</i>	494.73	
08 62 23 00-0007	EA		6' Shaft Length, 31-5/8" x 31-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	925.42	177.72
			<i>For Class 3 Hail Rated, Add</i>	4.00	
			<i>For Polycarbonate Diffuser Lens, Add</i>	7.00	
			<i>For High Velocity Hurricane Zone Rated, Add</i>	14.00	
			<i>For FM Approved, Add</i>	20.00	
			<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	49.00	
			<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	69.00	
			<i>For Single Blade Louver, Add</i>	495.54	
08 62 23 00-0008	EA		7' Shaft Length, 31-5/8" x 31-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	962.51	181.75
			<i>For Class 3 Hail Rated, Add</i>	4.00	
			<i>For Polycarbonate Diffuser Lens, Add</i>	7.00	
			<i>For High Velocity Hurricane Zone Rated, Add</i>	14.00	
			<i>For FM Approved, Add</i>	20.00	
			<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	49.00	
			<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	69.00	
			<i>For Single Blade Louver, Add</i>	496.35	

08 Openings**08 60 Roof Windows And Skylights****08 62 Unit Skylights**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
08 62 23 00-0009	EA 8' Shaft Length, 31-5/8" x 31-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	999.58	185.79
	<i>For Class 3 Hail Rated, Add</i>	4.00	
	<i>For Polycarbonate Diffuser Lens, Add</i>	7.00	
	<i>For High Velocity Hurricane Zone Rated, Add</i>	14.00	
	<i>For FM Approved, Add</i>	20.00	
	<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	49.00	
	<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	69.00	
	<i>For Single Blade Louver, Add</i>	497.16	
08 62 23 00-0010	EA 9' Shaft Length, 31-5/8" x 31-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	1,058.66	189.83
	<i>For Class 3 Hail Rated, Add</i>	4.00	
	<i>For Polycarbonate Diffuser Lens, Add</i>	7.00	
	<i>For High Velocity Hurricane Zone Rated, Add</i>	14.00	
	<i>For FM Approved, Add</i>	20.00	
	<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	49.00	
	<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	69.00	
	<i>For Single Blade Louver, Add</i>	497.97	
08 62 23 00-0011	EA 10' Shaft Length, 31-5/8" x 31-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	1,095.73	193.87
	<i>For Class 3 Hail Rated, Add</i>	4.00	
	<i>For Polycarbonate Diffuser Lens, Add</i>	7.00	
	<i>For High Velocity Hurricane Zone Rated, Add</i>	14.00	
	<i>For FM Approved, Add</i>	20.00	
	<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	49.00	
	<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	69.00	
	<i>For Single Blade Louver, Add</i>	498.77	
08 62 23 00-0012	EA 11' Shaft Length, 31-5/8" x 31-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	1,133.82	197.90
	<i>For Class 3 Hail Rated, Add</i>	4.00	
	<i>For Polycarbonate Diffuser Lens, Add</i>	7.00	
	<i>For High Velocity Hurricane Zone Rated, Add</i>	14.00	
	<i>For FM Approved, Add</i>	20.00	
	<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	49.00	
	<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	69.00	
	<i>For Single Blade Louver, Add</i>	499.58	
08 62 23 00-0013	EA 12' Shaft Length, 31-5/8" x 31-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	1,170.89	201.94
	<i>For Class 3 Hail Rated, Add</i>	4.00	
	<i>For Polycarbonate Diffuser Lens, Add</i>	7.00	
	<i>For High Velocity Hurricane Zone Rated, Add</i>	14.00	
	<i>For FM Approved, Add</i>	20.00	
	<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	49.00	
	<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	69.00	
	<i>For Single Blade Louver, Add</i>	500.39	
08 62 23 00-0014	EA 13' Shaft Length, 31-5/8" x 31-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	1,229.97	205.99
	<i>For Class 3 Hail Rated, Add</i>	4.00	
	<i>For Polycarbonate Diffuser Lens, Add</i>	7.00	
	<i>For High Velocity Hurricane Zone Rated, Add</i>	14.00	
	<i>For FM Approved, Add</i>	20.00	
	<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	49.00	
	<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	69.00	
	<i>For Single Blade Louver, Add</i>	501.20	
08 62 23 00-0015	EA 14' Shaft Length, 31-5/8" x 31-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	1,267.04	210.03
	<i>For Class 3 Hail Rated, Add</i>	4.00	
	<i>For Polycarbonate Diffuser Lens, Add</i>	7.00	
	<i>For High Velocity Hurricane Zone Rated, Add</i>	14.00	
	<i>For FM Approved, Add</i>	20.00	
	<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	49.00	
	<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	69.00	
	<i>For Single Blade Louver, Add</i>	502.00	
08 62 23 00-0016	EA 15' Shaft Length, 31-5/8" x 31-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	1,304.13	214.06
	<i>For Class 3 Hail Rated, Add</i>	4.00	
	<i>For Polycarbonate Diffuser Lens, Add</i>	7.00	
	<i>For High Velocity Hurricane Zone Rated, Add</i>	14.00	
	<i>For FM Approved, Add</i>	20.00	
	<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	49.00	
	<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	69.00	
	<i>For Single Blade Louver, Add</i>	502.81	
08 62 23 00-0017	EA 16' Shaft Length, 31-5/8" x 31-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	1,341.20	218.10
	<i>For Class 3 Hail Rated, Add</i>	4.00	
	<i>For Polycarbonate Diffuser Lens, Add</i>	7.00	
	<i>For High Velocity Hurricane Zone Rated, Add</i>	14.00	
	<i>For FM Approved, Add</i>	20.00	
	<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	49.00	
	<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	69.00	
	<i>For Single Blade Louver, Add</i>	503.62	
08 62 23 00-0018	31-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylights (08 62 23 00-0001)		



Openings	08
Roof Windows And Skylights	08 60
Unit Skylights	08 62

08

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 62 23 00-0019 EA 2' Shaft Length, 31-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	889.11	161.55
<i>For Class 3 Hail Rated, Add</i>	5.00	
<i>For Polycarbonate Diffuser Lens, Add</i>	8.00	
<i>For High Velocity Hurricane Zone Rated, Add</i>	14.00	
<i>For FM Approved, Add</i>	22.00	
<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	50.00	
<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	86.00	
<i>For Single Blade Louver, Add</i>	492.31	
08 62 23 00-0020 EA 3' Shaft Length, 31-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	940.19	165.59
<i>For Class 3 Hail Rated, Add</i>	5.00	
<i>For Polycarbonate Diffuser Lens, Add</i>	8.00	
<i>For High Velocity Hurricane Zone Rated, Add</i>	14.00	
<i>For FM Approved, Add</i>	22.00	
<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	50.00	
<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	86.00	
<i>For Single Blade Louver, Add</i>	493.12	
08 62 23 00-0021 EA 4' Shaft Length, 31-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	991.27	169.63
<i>For Class 3 Hail Rated, Add</i>	5.00	
<i>For Polycarbonate Diffuser Lens, Add</i>	8.00	
<i>For High Velocity Hurricane Zone Rated, Add</i>	14.00	
<i>For FM Approved, Add</i>	22.00	
<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	50.00	
<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	86.00	
<i>For Single Blade Louver, Add</i>	493.93	
08 62 23 00-0022 EA 5' Shaft Length, 31-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	1,042.34	173.68
<i>For Class 3 Hail Rated, Add</i>	5.00	
<i>For Polycarbonate Diffuser Lens, Add</i>	8.00	
<i>For High Velocity Hurricane Zone Rated, Add</i>	14.00	
<i>For FM Approved, Add</i>	22.00	
<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	50.00	
<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	86.00	
<i>For Single Blade Louver, Add</i>	494.73	
08 62 23 00-0023 EA 6' Shaft Length, 31-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	1,123.42	177.72
<i>For Class 3 Hail Rated, Add</i>	5.00	
<i>For Polycarbonate Diffuser Lens, Add</i>	8.00	
<i>For High Velocity Hurricane Zone Rated, Add</i>	14.00	
<i>For FM Approved, Add</i>	22.00	
<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	50.00	
<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	86.00	
<i>For Single Blade Louver, Add</i>	495.54	
08 62 23 00-0024 EA 7' Shaft Length, 31-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	1,174.51	181.75
<i>For Class 3 Hail Rated, Add</i>	5.00	
<i>For Polycarbonate Diffuser Lens, Add</i>	8.00	
<i>For High Velocity Hurricane Zone Rated, Add</i>	14.00	
<i>For FM Approved, Add</i>	22.00	
<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	50.00	
<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	86.00	
<i>For Single Blade Louver, Add</i>	496.35	
08 62 23 00-0025 EA 8' Shaft Length, 31-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	1,225.58	185.79
<i>For Class 3 Hail Rated, Add</i>	5.00	
<i>For Polycarbonate Diffuser Lens, Add</i>	8.00	
<i>For High Velocity Hurricane Zone Rated, Add</i>	14.00	
<i>For FM Approved, Add</i>	22.00	
<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	50.00	
<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	86.00	
<i>For Single Blade Louver, Add</i>	497.16	
08 62 23 00-0026 EA 9' Shaft Length, 31-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	1,306.66	189.83
<i>For Class 3 Hail Rated, Add</i>	5.00	
<i>For Polycarbonate Diffuser Lens, Add</i>	8.00	
<i>For High Velocity Hurricane Zone Rated, Add</i>	14.00	
<i>For FM Approved, Add</i>	22.00	
<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	50.00	
<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	86.00	
<i>For Single Blade Louver, Add</i>	497.97	
08 62 23 00-0027 EA 10' Shaft Length, 31-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	1,357.73	193.87
<i>For Class 3 Hail Rated, Add</i>	5.00	
<i>For Polycarbonate Diffuser Lens, Add</i>	8.00	
<i>For High Velocity Hurricane Zone Rated, Add</i>	14.00	
<i>For FM Approved, Add</i>	22.00	
<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	50.00	
<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	86.00	
<i>For Single Blade Louver, Add</i>	498.77	

08 Openings**08 60 Roof Windows And Skylights****08 62 Unit Skylights**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 62 23 00-0028	EA		11' Shaft Length, 31-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	1,408.82	197.90
			<i>For Class 3 Hail Rated, Add</i>	5.00	
			<i>For Polycarbonate Diffuser Lens, Add</i>	8.00	
			<i>For High Velocity Hurricane Zone Rated, Add</i>	14.00	
			<i>For FM Approved, Add</i>	22.00	
			<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	50.00	
			<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	86.00	
			<i>For Single Blade Louver, Add</i>	499.58	
08 62 23 00-0029	EA		12' Shaft Length, 31-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	1,459.89	201.94
			<i>For Class 3 Hail Rated, Add</i>	5.00	
			<i>For Polycarbonate Diffuser Lens, Add</i>	8.00	
			<i>For High Velocity Hurricane Zone Rated, Add</i>	14.00	
			<i>For FM Approved, Add</i>	22.00	
			<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	50.00	
			<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	86.00	
			<i>For Single Blade Louver, Add</i>	500.39	
08 62 23 00-0030	EA		13' Shaft Length, 31-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	1,540.97	205.99
			<i>For Class 3 Hail Rated, Add</i>	5.00	
			<i>For Polycarbonate Diffuser Lens, Add</i>	8.00	
			<i>For High Velocity Hurricane Zone Rated, Add</i>	14.00	
			<i>For FM Approved, Add</i>	22.00	
			<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	50.00	
			<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	86.00	
			<i>For Single Blade Louver, Add</i>	501.20	
08 62 23 00-0031	EA		14' Shaft Length, 31-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	1,592.04	210.03
			<i>For Class 3 Hail Rated, Add</i>	5.00	
			<i>For Polycarbonate Diffuser Lens, Add</i>	8.00	
			<i>For High Velocity Hurricane Zone Rated, Add</i>	14.00	
			<i>For FM Approved, Add</i>	22.00	
			<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	50.00	
			<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	86.00	
			<i>For Single Blade Louver, Add</i>	502.00	
08 62 23 00-0032	EA		15' Shaft Length, 31-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	1,643.13	214.06
			<i>For Class 3 Hail Rated, Add</i>	5.00	
			<i>For Polycarbonate Diffuser Lens, Add</i>	8.00	
			<i>For High Velocity Hurricane Zone Rated, Add</i>	14.00	
			<i>For FM Approved, Add</i>	22.00	
			<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	50.00	
			<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	86.00	
			<i>For Single Blade Louver, Add</i>	502.81	
08 62 23 00-0033	EA		16' Shaft Length, 31-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	1,694.20	218.10
			<i>For Class 3 Hail Rated, Add</i>	5.00	
			<i>For Polycarbonate Diffuser Lens, Add</i>	8.00	
			<i>For High Velocity Hurricane Zone Rated, Add</i>	14.00	
			<i>For FM Approved, Add</i>	22.00	
			<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	50.00	
			<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	86.00	
			<i>For Single Blade Louver, Add</i>	503.62	
08 62 23 00-0034			55-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylights <small>(08 62 23 00-0001)</small>		
08 62 23 00-0035	EA		2' Shaft Length, 55-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	1,162.51	181.75
			<i>For Class 3 Hail Rated, Add</i>	10.00	
			<i>For Polycarbonate Diffuser Lens, Add</i>	14.00	
			<i>For High Velocity Hurricane Zone Rated, Add</i>	22.00	
			<i>For FM Approved, Add</i>	36.00	
			<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	95.00	
			<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	145.00	
			<i>For Single Blade Louver, Add</i>	496.35	
08 62 23 00-0036	EA		3' Shaft Length, 55-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	1,232.58	185.79
			<i>For Class 3 Hail Rated, Add</i>	10.00	
			<i>For Polycarbonate Diffuser Lens, Add</i>	14.00	
			<i>For High Velocity Hurricane Zone Rated, Add</i>	22.00	
			<i>For FM Approved, Add</i>	36.00	
			<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	95.00	
			<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	145.00	
			<i>For Single Blade Louver, Add</i>	497.16	
08 62 23 00-0037	EA		4' Shaft Length, 55-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	1,303.66	189.83
			<i>For Class 3 Hail Rated, Add</i>	10.00	
			<i>For Polycarbonate Diffuser Lens, Add</i>	14.00	
			<i>For High Velocity Hurricane Zone Rated, Add</i>	22.00	
			<i>For FM Approved, Add</i>	36.00	
			<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	95.00	
			<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	145.00	
			<i>For Single Blade Louver, Add</i>	497.97	



Openings	08
Roof Windows And Skylights	08 60
Unit Skylights	08 62

08

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 62 23 00-0038	EA		5' Shaft Length, 55-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	1,373.73	193.87
			<i>For Class 3 Hail Rated, Add</i>	10.00	
			<i>For Polycarbonate Diffuser Lens, Add</i>	14.00	
			<i>For High Velocity Hurricane Zone Rated, Add</i>	22.00	
			<i>For FM Approved, Add</i>	36.00	
			<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	95.00	
			<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	145.00	
			<i>For Single Blade Louver, Add</i>	498.77	
08 62 23 00-0039	EA		6' Shaft Length, 55-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	1,483.82	197.90
			<i>For Class 3 Hail Rated, Add</i>	10.00	
			<i>For Polycarbonate Diffuser Lens, Add</i>	14.00	
			<i>For High Velocity Hurricane Zone Rated, Add</i>	22.00	
			<i>For FM Approved, Add</i>	36.00	
			<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	95.00	
			<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	145.00	
			<i>For Single Blade Louver, Add</i>	499.58	
08 62 23 00-0040	EA		7' Shaft Length, 55-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	1,553.89	201.94
			<i>For Class 3 Hail Rated, Add</i>	10.00	
			<i>For Polycarbonate Diffuser Lens, Add</i>	14.00	
			<i>For High Velocity Hurricane Zone Rated, Add</i>	22.00	
			<i>For FM Approved, Add</i>	36.00	
			<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	95.00	
			<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	145.00	
			<i>For Single Blade Louver, Add</i>	500.39	
08 62 23 00-0041	EA		8' Shaft Length, 55-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	1,623.97	205.99
			<i>For Class 3 Hail Rated, Add</i>	10.00	
			<i>For Polycarbonate Diffuser Lens, Add</i>	14.00	
			<i>For High Velocity Hurricane Zone Rated, Add</i>	22.00	
			<i>For FM Approved, Add</i>	36.00	
			<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	95.00	
			<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	145.00	
			<i>For Single Blade Louver, Add</i>	501.20	
08 62 23 00-0042	EA		9' Shaft Length, 55-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	1,735.04	210.03
			<i>For Class 3 Hail Rated, Add</i>	10.00	
			<i>For Polycarbonate Diffuser Lens, Add</i>	14.00	
			<i>For High Velocity Hurricane Zone Rated, Add</i>	22.00	
			<i>For FM Approved, Add</i>	36.00	
			<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	95.00	
			<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	145.00	
			<i>For Single Blade Louver, Add</i>	502.00	
08 62 23 00-0043	EA		10' Shaft Length, 55-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	1,805.13	214.06
			<i>For Class 3 Hail Rated, Add</i>	10.00	
			<i>For Polycarbonate Diffuser Lens, Add</i>	14.00	
			<i>For High Velocity Hurricane Zone Rated, Add</i>	22.00	
			<i>For FM Approved, Add</i>	36.00	
			<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	95.00	
			<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	145.00	
			<i>For Single Blade Louver, Add</i>	502.81	
08 62 23 00-0044	EA		11' Shaft Length, 55-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	1,875.20	218.10
			<i>For Class 3 Hail Rated, Add</i>	10.00	
			<i>For Polycarbonate Diffuser Lens, Add</i>	14.00	
			<i>For High Velocity Hurricane Zone Rated, Add</i>	22.00	
			<i>For FM Approved, Add</i>	36.00	
			<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	95.00	
			<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	145.00	
			<i>For Single Blade Louver, Add</i>	503.62	
08 62 23 00-0045	EA		12' Shaft Length, 55-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	1,945.28	222.14
			<i>For Class 3 Hail Rated, Add</i>	10.00	
			<i>For Polycarbonate Diffuser Lens, Add</i>	14.00	
			<i>For High Velocity Hurricane Zone Rated, Add</i>	22.00	
			<i>For FM Approved, Add</i>	36.00	
			<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	95.00	
			<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	145.00	
			<i>For Single Blade Louver, Add</i>	504.43	
08 62 23 00-0046	EA		13' Shaft Length, 55-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	2,055.35	226.18
			<i>For Class 3 Hail Rated, Add</i>	10.00	
			<i>For Polycarbonate Diffuser Lens, Add</i>	14.00	
			<i>For High Velocity Hurricane Zone Rated, Add</i>	22.00	
			<i>For FM Approved, Add</i>	36.00	
			<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	95.00	
			<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	145.00	
			<i>For Single Blade Louver, Add</i>	505.24	

08 Openings**08 60 Roof Windows And Skylights****08 62 Unit Skylights**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 62 23 00-0047	EA		14' Shaft Length, 55-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	2,125.44	230.21
			<i>For Class 3 Hail Rated, Add</i>	10.00	
			<i>For Polycarbonate Diffuser Lens, Add</i>	14.00	
			<i>For High Velocity Hurricane Zone Rated, Add</i>	22.00	
			<i>For FM Approved, Add</i>	36.00	
			<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	95.00	
			<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	145.00	
			<i>For Single Blade Louver, Add</i>	506.04	
08 62 23 00-0048	EA		15' Shaft Length, 55-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	2,196.51	234.25
			<i>For Class 3 Hail Rated, Add</i>	10.00	
			<i>For Polycarbonate Diffuser Lens, Add</i>	14.00	
			<i>For High Velocity Hurricane Zone Rated, Add</i>	22.00	
			<i>For FM Approved, Add</i>	36.00	
			<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	95.00	
			<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	145.00	
			<i>For Single Blade Louver, Add</i>	506.85	
08 62 23 00-0049	EA		16' Shaft Length, 55-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	2,266.59	238.30
			<i>For Class 3 Hail Rated, Add</i>	10.00	
			<i>For Polycarbonate Diffuser Lens, Add</i>	14.00	
			<i>For High Velocity Hurricane Zone Rated, Add</i>	22.00	
			<i>For FM Approved, Add</i>	36.00	
			<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	95.00	
			<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	145.00	
			<i>For Single Blade Louver, Add</i>	507.66	

08 63 Metal-Framed Skylights (08 60)**08 63 13 Domed Metal-Framed Skylights** (08 63)08 63 13 00-0001 Aluminum Framed Skylights (08 63 13)08 63 13 00-0002 Fixed Dome, Aluminum Framed Skylights (08 63 13 00-0001)08 63 13 00-0003 Industrial Style Fixed Dome, Aluminum Framed Skylights (08 63 13 00-0002)08 63 13 00-0004 Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylights (08 63 13 00-0003)

Note: Includes mill finish aluminum frame, integral condensation and weepage gutters, insulated thermal break, weather sweep, curb seal tape and fasteners. Excludes roof curb.

08 63 13 00-0005	EA		27-1/4" x 27-1/4" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	284.55	80.78
08 63 13 00-0006	EA		27-1/4" x 51-1/4" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	319.55	80.78
08 63 13 00-0007	EA		27-1/4" x 99-1/4" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	422.75	90.87
08 63 13 00-0008	EA		27-1/4" x 123-1/4" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	476.94	100.97
08 63 13 00-0009	EA		39-1/4" x 39-1/4" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	337.55	80.78
08 63 13 00-0010	EA		39-1/4" x 63-1/4" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	409.75	90.87
08 63 13 00-0011	EA		39-1/4" x 75-1/4" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	431.75	90.87
08 63 13 00-0012	EA		39-1/4" x 99-1/4" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	494.94	100.97
08 63 13 00-0013	EA		39-1/4" x 123-1/4" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	573.14	111.07
08 63 13 00-0014	EA		51-1/4" x 51-1/4" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	413.75	90.87
08 63 13 00-0015	EA		51-1/4" x 63-1/4" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	457.94	100.97
08 63 13 00-0016	EA		51-1/4" x 75-1/4" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	499.94	100.97
08 63 13 00-0017	EA		51-1/4" x 87-1/4" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	550.14	111.07
08 63 13 00-0018	EA		52-1/4" x 100-1/4" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	608.34	121.17
08 63 13 00-0019	EA		52-1/4" x 123-1/4" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	681.52	131.27
08 63 13 00-0020	EA		63-1/4" x 63-1/4" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	487.94	100.97
08 63 13 00-0021	EA		63-5/8" x 75-5/8" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	537.14	111.07
08 63 13 00-0022	EA		63-1/4" x 87-1/4" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	609.34	121.17
08 63 13 00-0023	EA		63-1/4" x 99-5/8" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	635.34	121.17
08 63 13 00-0024	EA		63-1/4" x 123-1/4" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	728.52	131.27



	MINOR CSI UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 63 13 00-0025		Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylights <small>(08 63 13 00-0003)</small> Note: Includes mill finish aluminum frame, integral condensation and weepage gutters, insulated thermal break, weather sweep, curb seal tape and fasteners. Excludes roof curb.		
08 63 13 00-0026	EA	27-1/4" x 27-1/4" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	334.55	80.78
08 63 13 00-0027	EA	27-1/4" x 51-1/4" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	368.55	80.78
08 63 13 00-0028	EA	27-1/4" x 99-1/4" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	461.75	90.87
08 63 13 00-0029	EA	27-1/4" x 123-1/4" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	516.94	100.97
08 63 13 00-0030	EA	39-1/4" x 39-1/4" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	373.55	80.78
08 63 13 00-0031	EA	39-1/4" x 63-1/4" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	437.75	90.87
08 63 13 00-0032	EA	39-1/4" x 75-1/4" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	461.75	90.87
08 63 13 00-0033	EA	39-1/4" x 99-1/4" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	528.94	100.97
08 63 13 00-0034	EA	39-1/4" x 123-1/4" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	593.14	111.07
08 63 13 00-0035	EA	51-1/4" x 51-1/4" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	441.75	90.87
08 63 13 00-0036	EA	51-1/4" x 63-1/4" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	489.94	100.97
08 63 13 00-0037	EA	51-1/4" x 75-1/4" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	516.94	100.97
08 63 13 00-0038	EA	51-1/4" x 87-1/4" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	569.14	111.07
08 63 13 00-0039	EA	52-1/4" x 100-1/4" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	618.34	121.17
08 63 13 00-0040	EA	52-1/4" x 123-1/4" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	692.52	131.27
08 63 13 00-0041	EA	63-1/4" x 63-1/4" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	520.94	100.97
08 63 13 00-0042	EA	63-5/8" x 75-5/8" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	573.14	111.07
08 63 13 00-0043	EA	63-1/4" x 87-1/4" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	630.34	121.17
08 63 13 00-0044	EA	63-1/4" x 99-5/8" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	658.34	121.17
08 63 13 00-0045	EA	63-1/4" x 123-1/4" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	743.52	131.27
08 63 13 00-0046		High Velocity Hurricane Zone Rated, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylights <small>(08 63 13 00-0003)</small> Note: Includes mill finish aluminum frame, integral condensation and weepage gutters, insulated thermal break, weather sweep, curb seal tape and fasteners. Excludes roof curb.		
08 63 13 00-0047	EA	27-1/4" x 27-1/4" Inside Frame Dimensions, High Velocity Hurricane Zone Rated, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	338.55	80.78
08 63 13 00-0048	EA	27-1/4" x 51-1/4" Inside Frame Dimensions, High Velocity Hurricane Zone Rated, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	376.55	80.78
08 63 13 00-0049	EA	27-1/4" x 99-1/4" Inside Frame Dimensions, High Velocity Hurricane Zone Rated, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	472.75	90.87
08 63 13 00-0050	EA	39-1/4" x 39-1/4" Inside Frame Dimensions, High Velocity Hurricane Zone Rated, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	383.55	80.78
08 63 13 00-0051	EA	39-1/4" x 63-1/4" Inside Frame Dimensions, High Velocity Hurricane Zone Rated, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	451.75	90.87
08 63 13 00-0052	EA	39-1/4" x 75-1/4" Inside Frame Dimensions, High Velocity Hurricane Zone Rated, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	472.75	90.87
08 63 13 00-0053	EA	39-1/4" x 99-1/4" Inside Frame Dimensions, High Velocity Hurricane Zone Rated, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	540.94	100.97
08 63 13 00-0054	EA	51-1/4" x 51-1/4" Inside Frame Dimensions, High Velocity Hurricane Zone Rated, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	450.75	90.87
08 63 13 00-0055	EA	51-1/4" x 63-1/4" Inside Frame Dimensions, High Velocity Hurricane Zone Rated, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	497.94	100.97
08 63 13 00-0056	EA	51-1/4" x 75-1/4" Inside Frame Dimensions, High Velocity Hurricane Zone Rated, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	529.94	100.97
08 63 13 00-0057	EA	51-1/4" x 87-1/4" Inside Frame Dimensions, High Velocity Hurricane Zone Rated, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	582.14	111.07
08 63 13 00-0058	EA	52-1/4" x 100-1/4" Inside Frame Dimensions, High Velocity Hurricane Zone Rated, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	634.34	121.17
08 63 13 00-0059	EA	63-1/4" x 63-1/4" Inside Frame Dimensions, High Velocity Hurricane Zone Rated, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	532.94	100.97
08 63 13 00-0060	EA	63-5/8" x 75-5/8" Inside Frame Dimensions, High Velocity Hurricane Zone Rated, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	589.14	111.07
08 63 13 00-0061	EA	63-1/4" x 87-1/4" Inside Frame Dimensions, High Velocity Hurricane Zone Rated, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	646.34	121.17
08 63 13 00-0062	EA	63-1/4" x 99-5/8" Inside Frame Dimensions, High Velocity Hurricane Zone Rated, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	674.34	121.17

08 Openings**08 60 Roof Windows And Skylights****08 63 Metal-Framed Skylights**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 63 13 00-0063			FM Approved, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylights <small>(08 63 13 00-0003)</small> Note: Includes mill finish aluminum frame, integral condensation and weepage gutters, insulated thermal break, weather sweep, curb seal tape and fasteners. Excludes roof curb.		
08 63 13 00-0064	EA		27-1/4" x 27-1/4" Inside Frame Dimensions, FM Approved, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	345.55	80.78
08 63 13 00-0065	EA		27-1/4" x 51-1/4" Inside Frame Dimensions, FM Approved, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	387.55	80.78
08 63 13 00-0066	EA		27-1/4" x 99-1/4" Inside Frame Dimensions, FM Approved, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	482.75	90.87
08 63 13 00-0067	EA		27-1/4" x 123-1/4" Inside Frame Dimensions, FM Approved, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	552.94	100.97
08 63 13 00-0068	EA		39-1/4" x 39-1/4" Inside Frame Dimensions, FM Approved, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	393.55	80.78
08 63 13 00-0069	EA		39-1/4" x 63-1/4" Inside Frame Dimensions, FM Approved, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	460.75	90.87
08 63 13 00-0070	EA		39-1/4" x 75-1/4" Inside Frame Dimensions, FM Approved, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	482.75	90.87
08 63 13 00-0071	EA		39-1/4" x 99-1/4" Inside Frame Dimensions, FM Approved, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	555.94	100.97
08 63 13 00-0072	EA		51-1/4" x 51-1/4" Inside Frame Dimensions, FM Approved, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	461.75	90.87
08 63 13 00-0073	EA		51-1/4" x 63-1/4" Inside Frame Dimensions, FM Approved, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	508.94	100.97
08 63 13 00-0074	EA		51-1/4" x 75-1/4" Inside Frame Dimensions, FM Approved, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	543.94	100.97
08 63 13 00-0075	EA		51-1/4" x 87-1/4" Inside Frame Dimensions, FM Approved, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	597.14	111.07
08 63 13 00-0076	EA		52-1/4" x 100-1/4" Inside Frame Dimensions, FM Approved, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	650.34	121.17
08 63 13 00-0077	EA		63-1/4" x 63-1/4" Inside Frame Dimensions, FM Approved, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	547.94	100.97
08 63 13 00-0078	EA		63-5/8" x 75-5/8" Inside Frame Dimensions, FM Approved, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	604.14	111.07
08 63 13 00-0079	EA		63-1/4" x 87-1/4" Inside Frame Dimensions, FM Approved, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	662.34	121.17
08 63 13 00-0080	EA		63-1/4" x 99-5/8" Inside Frame Dimensions, FM Approved, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	692.34	121.17
08 63 13 00-0081			Curb Top Inserts <small>(08 63 13 00-0003)</small> Note: For use with industrial style fixed dome skylights for better u-value and solar heat gain coefficient/shading coefficient (SHGC/SC) properties. Includes mill finish aluminum frame and acrylic or polycarbonate glazing. Excludes roof curb.		
08 63 13 00-0082			Single Glazed, Aluminum Framed Curb Top Inserts <small>(08 63 13 00-0081)</small>		
08 63 13 00-0083	EA		27-1/4" x 51-1/4" Inside Frame Dimensions, Single Glazed, Aluminum Framed Curb Top Insert.....	116.78	40.39
08 63 13 00-0084	EA		51-1/4" x 51-1/4" Inside Frame Dimensions, Single Glazed, Aluminum Framed Curb Top Insert.....	155.87	45.44
08 63 13 00-0085	EA		52-1/4" x 100-1/4" Inside Frame Dimensions, Single Glazed, Aluminum Framed Curb Top Insert.....	253.17	60.58
08 63 13 00-0086	EA		63-5/8" x 75-5/8" Inside Frame Dimensions, Single Glazed, Aluminum Framed Curb Top Insert.....	234.07	55.54
08 63 13 00-0087	EA		63-1/4" x 99-5/8" Inside Frame Dimensions, Single Glazed, Aluminum Framed Curb Top Insert.....	281.17	60.58
08 63 13 00-0088			Double Glazed, Aluminum Framed Curb Top Inserts <small>(08 63 13 00-0081)</small>		
08 63 13 00-0089	EA		27-1/4" x 51-1/4" Inside Frame Dimensions, Double Glazed, Aluminum Framed Curb Top Insert.....	157.78	40.39
08 63 13 00-0090	EA		51-1/4" x 51-1/4" Inside Frame Dimensions, Double Glazed, Aluminum Framed Curb Top Insert.....	234.87	45.44
08 63 13 00-0091	EA		52-1/4" x 100-1/4" Inside Frame Dimensions, Double Glazed, Aluminum Framed Curb Top Insert.....	396.17	60.58
08 63 13 00-0092	EA		63-5/8" x 75-5/8" Inside Frame Dimensions, Double Glazed, Aluminum Framed Curb Top Insert.....	386.07	55.54
08 63 13 00-0093	EA		63-1/4" x 99-5/8" Inside Frame Dimensions, Double Glazed, Aluminum Framed Curb Top Insert.....	479.17	60.58
08 63 13 00-0094			Triple Glazed, Aluminum Framed Curb Top Inserts <small>(08 63 13 00-0081)</small>		
08 63 13 00-0095	EA		27-1/4" x 51-1/4" Inside Frame Dimensions, Triple Glazed, Aluminum Framed Curb Top Insert.....	197.78	40.39
08 63 13 00-0096	EA		51-1/4" x 51-1/4" Inside Frame Dimensions, Triple Glazed, Aluminum Framed Curb Top Insert.....	309.87	45.44
08 63 13 00-0097	EA		52-1/4" x 100-1/4" Inside Frame Dimensions, Triple Glazed, Aluminum Framed Curb Top Insert.....	572.17	60.58
08 63 13 00-0098	EA		63-5/8" x 75-5/8" Inside Frame Dimensions, Triple Glazed, Aluminum Framed Curb Top Insert.....	528.07	55.54
08 63 13 00-0099	EA		63-1/4" x 99-5/8" Inside Frame Dimensions, Triple Glazed, Aluminum Framed Curb Top Insert.....	663.17	60.58
08 63 13 00-0100			Pyramid Style Fixed Dome, Aluminum Framed Skylights <small>(08 63 13 00-0002)</small>		
08 63 13 00-0101			Acrylic/Acrylic Double Glazed Prismatic Lens, Pyramid Style Fixed Dome, Aluminum Framed Skylight <small>(08 63 13 00-0100)</small> Note: Includes mill finish aluminum frame, integral condensation and weepage gutters, insulated thermal break, weather sweep, curb seal tape and fasteners. Excludes roof curb.		
08 63 13 00-0102	EA		27-1/4" x 27-1/4" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Pyramid Style Fixed Dome, Aluminum Framed Skylight.....	266.55	80.78
08 63 13 00-0103	EA		39-1/4" x 39-1/4" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Pyramid Style Fixed Dome, Aluminum Framed Skylight.....	309.55	80.78



Openings	08	08
Roof Windows And Skylights	08 60	
Metal-Framed Skylights	08 63	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 63 13 00-0104 EA 51-1/4" x 51-1/4" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Pyramid Style Fixed Dome, Aluminum Framed Skylight	385.75	90.87
08 63 13 00-0105 EA 63-1/4" x 63-1/4" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Pyramid Style Fixed Dome, Aluminum Framed Skylight	476.94	100.97
08 63 13 00-0106 Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Pyramid Style Fixed Dome, Aluminum Framed Skylight <small>(08 63 13 00-0100)</small>		
<small>Note: Includes mill finish aluminum frame, integral condensation and weepage gutters, insulated thermal break, weather sweep, curb seal tape and fasteners. Excludes roof curb.</small>		
08 63 13 00-0107 EA 27-1/4" x 27-1/4" Inside Frame Dimensions, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Pyramid Style Fixed Dome, Aluminum Framed Skylight	344.55	80.78
08 63 13 00-0108 EA 39-1/4" x 39-1/4" Inside Frame Dimensions, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Pyramid Style Fixed Dome, Aluminum Framed Skylight	389.55	80.78
08 63 13 00-0109 EA 51-1/4" x 51-1/4" Inside Frame Dimensions, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Pyramid Style Fixed Dome, Aluminum Framed Skylight	458.75	90.87
08 63 13 00-0110 EA 63-1/4" x 63-1/4" Inside Frame Dimensions, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Pyramid Style Fixed Dome, Aluminum Framed Skylight	543.94	100.97
08 63 13 00-0111 Double Hip Style Fixed Dome, Aluminum Framed Skylights <small>(08 63 13 00-0002)</small>		
08 63 13 00-0112 Acrylic/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight <small>(08 63 13 00-0111)</small>		
<small>Note: Includes mill finish aluminum frame, integral condensation and weepage gutters, insulated thermal break, weather sweep, curb seal tape and fasteners. Excludes roof curb.</small>		
08 63 13 00-0113 EA 27-1/4" x 51-1/4" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	303.55	80.78
08 63 13 00-0114 EA 27-1/4" x 99-1/4" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	392.75	90.87
08 63 13 00-0115 EA 27-1/4" x 123-1/4" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	460.94	100.97
08 63 13 00-0116 EA 39-1/4" x 63-1/4" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	371.75	90.87
08 63 13 00-0117 EA 39-1/4" x 75-1/4" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	392.75	90.87
08 63 13 00-0118 EA 39-1/4" x 99-1/4" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	472.94	100.97
08 63 13 00-0119 EA 39-1/4" x 123-1/4" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	552.14	111.07
08 63 13 00-0120 EA 51-1/4" x 63-1/4" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	430.94	100.97
08 63 13 00-0121 EA 51-1/4" x 75-1/4" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	460.94	100.97
08 63 13 00-0122 EA 51-1/4" x 87-1/4" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	514.14	111.07
08 63 13 00-0123 EA 52-1/4" x 100-1/4" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	564.34	121.17
08 63 13 00-0124 EA 52-1/4" x 123-1/4" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	659.52	131.27
08 63 13 00-0125 EA 63-5/8" x 75-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	526.14	111.07
08 63 13 00-0126 EA 63-1/4" x 87-1/4" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	594.34	121.17
08 63 13 00-0127 EA 63-1/4" x 99-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	625.34	121.17
08 63 13 00-0128 EA 63-1/4" x 123-1/4" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	717.52	131.27
08 63 13 00-0129 Polycarbonate/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight <small>(08 63 13 00-0111)</small>		
<small>Note: Includes mill finish aluminum frame, integral condensation and weepage gutters, insulated thermal break, weather sweep, curb seal tape and fasteners. Excludes roof curb.</small>		
08 63 13 00-0130 EA 27-1/4" x 27-1/4" Inside Frame Dimensions, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	337.55	80.78
08 63 13 00-0131 EA 27-1/4" x 51-1/4" Inside Frame Dimensions, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	373.55	80.78
08 63 13 00-0132 EA 27-1/4" x 99-1/4" Inside Frame Dimensions, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	466.75	90.87
08 63 13 00-0133 EA 39-1/4" x 39-1/4" Inside Frame Dimensions, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	380.55	80.78
08 63 13 00-0134 EA 39-1/4" x 51-1/4" Inside Frame Dimensions, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	426.75	90.87
08 63 13 00-0135 EA 39-1/4" x 63-1/4" Inside Frame Dimensions, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	445.75	90.87
08 63 13 00-0136 EA 39-1/4" x 75-1/4" Inside Frame Dimensions, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	466.75	90.87
08 63 13 00-0137 EA 39-1/4" x 99-1/4" Inside Frame Dimensions, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	535.94	100.97
08 63 13 00-0138 EA 51-1/4" x 51-1/4" Inside Frame Dimensions, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	446.75	90.87

08 Openings**08 60 Roof Windows And Skylights****08 63 Metal-Framed Skylights**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 63 13 00-0139 EA 51-1/4" x 63-1/4" Inside Frame Dimensions, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight.....	493.94	100.97
08 63 13 00-0140 EA 51-1/4" x 75-1/4" Inside Frame Dimensions, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight.....	523.94	100.97
08 63 13 00-0141 EA 51-1/4" x 87-1/4" Inside Frame Dimensions, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight.....	575.14	111.07
08 63 13 00-0142 EA 52-1/4" x 100-1/4" Inside Frame Dimensions, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight.....	626.34	121.17
08 63 13 00-0143 EA 63-1/4" x 63-1/4" Inside Frame Dimensions, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight.....	525.94	100.97
08 63 13 00-0144 EA 63-5/8" x 75-5/8" Inside Frame Dimensions, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight.....	582.14	111.07
08 63 13 00-0145 EA 63-1/4" x 87-1/4" Inside Frame Dimensions, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight.....	638.34	121.17
08 63 13 00-0146 EA 63-1/4" x 99-5/8" Inside Frame Dimensions, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight.....	665.34	121.17
08 63 13 00-0147 Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight <small>(08 63 13 00-0111)</small>		
Note: Includes mill finish aluminum frame, integral condensation and weepage gutters, insulated thermal break, weather sweep, curb seal tape and fasteners. Excludes roof curb.		
08 63 13 00-0148 EA 27-1/4" x 51-1/4" Inside Frame Dimensions, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	370.55	80.78
08 63 13 00-0149 EA 27-1/4" x 99-1/4" Inside Frame Dimensions, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	479.75	90.87
08 63 13 00-0150 EA 39-1/4" x 63-1/4" Inside Frame Dimensions, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	456.75	90.87
08 63 13 00-0151 EA 39-1/4" x 75-1/4" Inside Frame Dimensions, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	479.75	90.87
08 63 13 00-0152 EA 39-1/4" x 99-1/4" Inside Frame Dimensions, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	551.94	100.97
08 63 13 00-0153 EA 51-1/4" x 63-1/4" Inside Frame Dimensions, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	505.94	100.97
08 63 13 00-0154 EA 51-1/4" x 75-1/4" Inside Frame Dimensions, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	538.94	100.97
08 63 13 00-0155 EA 51-1/4" x 87-1/4" Inside Frame Dimensions, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	593.14	111.07
08 63 13 00-0156 EA 52-1/4" x 100-1/4" Inside Frame Dimensions, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	642.34	121.17
08 63 13 00-0157 EA 63-5/8" x 75-5/8" Inside Frame Dimensions, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	600.14	111.07
08 63 13 00-0158 EA 63-1/4" x 87-1/4" Inside Frame Dimensions, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	658.34	121.17
08 63 13 00-0159 EA 63-1/4" x 99-5/8" Inside Frame Dimensions, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	687.34	121.17
08 63 13 00-0160 Smoke Vent Dome, Aluminum Framed Skylights <small>(08 63 13 00-0001)</small>		
08 63 13 00-0161 Industrial Style Smoke Vent Dome, Aluminum Framed Skylights <small>(08 63 13 00-0160)</small>		
Note: UL listed or FM approved. Includes mill finish aluminum frame, integral condensation and weepage gutters, insulated thermal break, curb seal tape, weather sweep, fasteners, fusible link with a minimum temperature rating of 165 degrees, gas shocks and exterior manual release cable for testing.		
08 63 13 00-0162 Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylights <small>(08 63 13 00-0161)</small>		
08 63 13 00-0163 10 LB Uplift Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylights <small>(08 63 13 00-0162)</small>		
08 63 13 00-0164 EA 52-1/4" x 100-1/4" Inside Frame Dimensions, 10 LB Uplift Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylight	1,410.34	121.17
08 63 13 00-0165 EA 63-5/8" x 75-5/8" Inside Frame Dimensions, 10 LB Uplift Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylight	1,319.34	121.17
08 63 13 00-0166 EA 63-1/4" x 99-5/8" Inside Frame Dimensions, 10 LB Uplift Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylight	1,477.34	121.17
08 63 13 00-0167 25 LB Uplift Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylights <small>(08 63 13 00-0162)</small>		
08 63 13 00-0168 EA 52-1/4" x 100-1/4" Inside Frame Dimensions, 25 LB Uplift Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylight	1,809.34	121.17
08 63 13 00-0169 EA 63-5/8" x 75-5/8" Inside Frame Dimensions, 25 LB Uplift Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylight	1,722.34	121.17
08 63 13 00-0170 EA 63-1/4" x 99-5/8" Inside Frame Dimensions, 25 LB Uplift Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylight	1,900.34	121.17
08 63 13 00-0171 30 LB Uplift Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylights <small>(08 63 13 00-0162)</small>		
08 63 13 00-0172 EA 52-1/4" x 100-1/4" Inside Frame Dimensions, 30 LB Uplift Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylight	1,924.34	121.17



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 63 13 00-0173 EA 63-5/8" x 75-5/8" Inside Frame Dimensions, 30 LB Uplift Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylight	1,835.34	121.17
08 63 13 00-0174 EA 63-1/4" x 99-5/8" Inside Frame Dimensions, 30 LB Uplift Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylight	2,013.34	121.17
08 63 13 00-0175 Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylights (08 63 13 00-0161)		
08 63 13 00-0176 10 LB Uplift Rated, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylights (08 63 13 00-0175)		
08 63 13 00-0177 EA 52-1/4" x 100-1/4" Inside Frame Dimensions, 10 LB Uplift Rated, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylight.....	1,416.34	121.17
08 63 13 00-0178 EA 63-5/8" x 75-5/8" Inside Frame Dimensions, 10 LB Uplift Rated, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylight.....	1,325.34	121.17
08 63 13 00-0179 EA 63-1/4" x 99-5/8" Inside Frame Dimensions, 10 LB Uplift Rated, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylight.....	1,486.34	121.17
08 63 13 00-0180 25 LB Uplift Rated, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylights (08 63 13 00-0175)		
08 63 13 00-0181 EA 52-1/4" x 100-1/4" Inside Frame Dimensions, 25 LB Uplift Rated, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylight.....	1,817.34	121.17
08 63 13 00-0182 EA 63-5/8" x 75-5/8" Inside Frame Dimensions, 25 LB Uplift Rated, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylight.....	1,728.34	121.17
08 63 13 00-0183 EA 63-1/4" x 99-5/8" Inside Frame Dimensions, 25 LB Uplift Rated, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylight.....	1,910.34	121.17
08 63 13 00-0184 30 LB Uplift Rated, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylights (08 63 13 00-0175)		
08 63 13 00-0185 EA 52-1/4" x 100-1/4" Inside Frame Dimensions, 30 LB Uplift Rated, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylight.....	1,930.34	121.17
08 63 13 00-0186 EA 63-5/8" x 75-5/8" Inside Frame Dimensions, 30 LB Uplift Rated, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylight.....	1,841.34	121.17
08 63 13 00-0187 EA 63-1/4" x 99-5/8" Inside Frame Dimensions, 30 LB Uplift Rated, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylight.....	2,023.34	121.17
08 66 Wood-Framed Skylights (08 60)		
08 66 00 00-0001 Wood-Framed Skylights (Andersen 400 Series) (08 66)		
08 66 00 00-0002 EA 16-1/2" x 38", Domed, Wood-Framed Skylight (Andersen 400 Series).....	392.07	113.04
<i>For Tempered Laminated Low-E Insulated Glass, Add</i>	41.50	
<i>For Aluminum Shingle Flashing, Add</i>	33.20	
08 66 00 00-0003 EA 16-1/2" x 46", Domed, Wood-Framed Skylight (Andersen 400 Series).....	398.84	113.04
<i>For Tempered Laminated Low-E Insulated Glass, Add</i>	43.19	
<i>For Aluminum Shingle Flashing, Add</i>	34.55	
08 66 00 00-0004 EA 24-1/2" x 27", Domed, Wood-Framed Skylight (Andersen 400 Series).....	382.75	113.04
<i>For Tempered Laminated Low-E Insulated Glass, Add</i>	39.17	
<i>For Aluminum Shingle Flashing, Add</i>	31.34	
08 66 00 00-0005 EA 24-1/2" x 38", Domed, Wood-Framed Skylight (Andersen 400 Series).....	403.92	113.04
<i>For Tempered Laminated Low-E Insulated Glass, Add</i>	44.46	
<i>For Aluminum Shingle Flashing, Add</i>	35.57	
08 66 00 00-0006 EA 24-1/2" x 46", Domed, Wood-Framed Skylight (Andersen 400 Series).....	421.71	113.04
<i>For Tempered Laminated Low-E Insulated Glass, Add</i>	48.91	
<i>For Aluminum Shingle Flashing, Add</i>	39.13	
08 66 00 00-0007 EA 24-1/2" x 57", Domed, Wood-Framed Skylight (Andersen 400 Series).....	450.51	113.04
<i>For Tempered Laminated Low-E Insulated Glass, Add</i>	56.11	
<i>For Aluminum Shingle Flashing, Add</i>	44.89	
08 66 00 00-0008 EA 24-1/2" x 72", Domed, Wood-Framed Skylight (Andersen 400 Series).....	486.92	113.04
<i>For Tempered Laminated Low-E Insulated Glass, Add</i>	65.21	
<i>For Aluminum Shingle Flashing, Add</i>	52.17	
08 66 00 00-0009 EA 27" x 24-1/2", Domed, Wood-Framed Skylight (Andersen 400 Series).....	382.75	113.04
<i>For Tempered Laminated Low-E Insulated Glass, Add</i>	39.17	
<i>For Aluminum Shingle Flashing, Add</i>	31.34	
08 66 00 00-0010 EA 28" x 38", Domed, Wood-Framed Skylight (Andersen 400 Series).....	425.94	113.04
<i>For Tempered Laminated Low-E Insulated Glass, Add</i>	49.97	
<i>For Aluminum Shingle Flashing, Add</i>	39.97	
08 66 00 00-0011 EA 28" x 46", Domed, Wood-Framed Skylight (Andersen 400 Series).....	450.51	113.04
<i>For Tempered Laminated Low-E Insulated Glass, Add</i>	56.11	
<i>For Aluminum Shingle Flashing, Add</i>	44.89	
08 66 00 00-0012 EA 28" x 57", Domed, Wood-Framed Skylight (Andersen 400 Series).....	478.45	113.04
<i>For Tempered Laminated Low-E Insulated Glass, Add</i>	63.10	
<i>For Aluminum Shingle Flashing, Add</i>	50.48	
08 66 00 00-0013 EA 28" x 72", Domed, Wood-Framed Skylight (Andersen 400 Series).....	515.72	113.04
<i>For Tempered Laminated Low-E Insulated Glass, Add</i>	72.41	
<i>For Aluminum Shingle Flashing, Add</i>	57.93	
08 66 00 00-0014 EA 38" x 16-1/2", Domed, Wood-Framed Skylight (Andersen 400 Series).....	392.07	113.04
<i>For Tempered Laminated Low-E Insulated Glass, Add</i>	41.50	
<i>For Aluminum Shingle Flashing, Add</i>	33.20	

08 Openings**08 60 Roof Windows And Skylights****08 66 Wood-Framed Skylights**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 66 00 00-0015	EA		38" x 24-1/2", Domed, Wood-Framed Skylight (Andersen 400 Series).....	403.92	113.04
			<i>For Tempered Laminated Low-E Insulated Glass, Add</i>	44.46	
			<i>For Aluminum Shingle Flashing, Add</i>	35.57	
08 66 00 00-0016	EA		38" x 28", Domed, Wood-Framed Skylight (Andersen 400 Series).....	425.94	113.04
			<i>For Tempered Laminated Low-E Insulated Glass, Add</i>	49.97	
			<i>For Aluminum Shingle Flashing, Add</i>	39.97	
08 66 00 00-0017	EA		44" x 46", Domed, Wood-Framed Skylight (Andersen 400 Series).....	503.86	113.04
			<i>For Tempered Laminated Low-E Insulated Glass, Add</i>	69.45	
			<i>For Aluminum Shingle Flashing, Add</i>	55.56	
08 66 00 00-0018	EA		46" x 16-1/2", Domed, Wood-Framed Skylight (Andersen 400 Series).....	398.84	113.04
			<i>For Tempered Laminated Low-E Insulated Glass, Add</i>	43.19	
			<i>For Aluminum Shingle Flashing, Add</i>	34.55	
08 66 00 00-0019	EA		46" x 24-1/2", Domed, Wood-Framed Skylight (Andersen 400 Series).....	421.71	113.04
			<i>For Tempered Laminated Low-E Insulated Glass, Add</i>	48.91	
			<i>For Aluminum Shingle Flashing, Add</i>	39.13	
08 66 00 00-0020	EA		46" x 28", Domed, Wood-Framed Skylight (Andersen 400 Series).....	450.51	113.04
			<i>For Tempered Laminated Low-E Insulated Glass, Add</i>	56.11	
			<i>For Aluminum Shingle Flashing, Add</i>	44.89	
08 66 00 00-0021	EA		46" x 44", Domed, Wood-Framed Skylight (Andersen 400 Series).....	503.86	113.04
			<i>For Tempered Laminated Low-E Insulated Glass, Add</i>	69.45	
			<i>For Aluminum Shingle Flashing, Add</i>	55.56	
08 66 00 00-0022	EA		57" x 24-1/2", Domed, Wood-Framed Skylight (Andersen 400 Series).....	450.51	113.04
			<i>For Tempered Laminated Low-E Insulated Glass, Add</i>	56.11	
			<i>For Aluminum Shingle Flashing, Add</i>	44.89	
08 66 00 00-0023	EA		57" x 28", Domed, Wood-Framed Skylight (Andersen 400 Series).....	478.45	113.04
			<i>For Tempered Laminated Low-E Insulated Glass, Add</i>	63.10	
			<i>For Aluminum Shingle Flashing, Add</i>	50.48	
08 66 00 00-0024	EA		72" x 24-1/2", Domed, Wood-Framed Skylight (Andersen 400 Series).....	486.92	113.04
			<i>For Tempered Laminated Low-E Insulated Glass, Add</i>	65.21	
			<i>For Aluminum Shingle Flashing, Add</i>	52.17	
08 66 00 00-0025	EA		72" x 28", Domed, Wood-Framed Skylight (Andersen 400 Series).....	515.72	113.04
			<i>For Tempered Laminated Low-E Insulated Glass, Add</i>	72.41	
			<i>For Aluminum Shingle Flashing, Add</i>	57.93	

08 70 Hardware (08)**08 71 Door Hardware** (08 70)**08 71 13 Automatic Door Operators** (08 71)**08 71 13 00-0001 Automatic Door Operators (LCN)** (08 71 13)

08 71 13 00-0002	EA		Automatic Door Operator, Surface Mount ADA Door Operator With Pull Arm (LCN 9531).....	2,112.68	
			Note: Opens doors automatically for wheelchair access, and allows for manual operation for regular pedestrian traffic.		
08 71 13 00-0003	EA		Automatic Door Operator, Surface Mount ADA Door Operator With Push Arm (LCN 9542).....	2,112.68	
			Note: Opens doors automatically for wheelchair access, and allows for manual operation for regular pedestrian traffic.		

08 71 23 Door Hardware (08 71)

Note: All hardware is ANSI/BHMA Grade 1 unless otherwise noted.

08 71 23 00-0001 Hinges (08 71 23)

Note: Unit of measure "PR" indicates that two (2) sets of hinges (top and bottom) are priced. For doors with three (3) sets of hinges (top, middle and bottom), use 1.5 pairs.

08 71 23 00-0002 Brass/Bronze, Satin Chrome Finish Hinges (08 71 23 00-0001)

Note: US26D (BHMA 626) satin chrome finish.

08 71 23 00-0003 Standard Duty, Full Mortise, Plain Bearing, Brass/Bronze, Satin Chrome**Finish Hinges** (08 71 23 00-0002)

Note: Mortised into the edge of the door and mortised into the rabbet edge of the frame.

08 71 23 00-0004	PR		3-1/2" x 3-1/2" Standard Duty, Full Mortise, Plain Bearing, Brass/Bronze, Satin Chrome Finish Hinge.....	61.36	6.33
			<i>For Clear Coated Bright Brass, Add</i>	3.91	
			<i>For Pair Of Non-Removable Pins (NRP), Add</i>	6.00	
08 71 23 00-0005	PR		4" x 4" Standard Duty, Full Mortise, Plain Bearing, Brass/Bronze, Satin Chrome Finish Hinge.....	67.21	9.04
			<i>For Clear Coated Bright Brass, Add</i>	4.35	
			<i>For Pair Of Non-Removable Pins (NRP), Add</i>	6.00	
08 71 23 00-0006	PR		4-1/2" x 4-1/2" Standard Duty, Full Mortise, Plain Bearing, Brass/Bronze, Satin Chrome Finish Hinge.....	77.63	9.95
			<i>For Clear Coated Bright Brass, Add</i>	3.63	
			<i>For Pair Of Non-Removable Pins (NRP), Add</i>	6.00	

08 71 23 00-0007 Standard Duty, Full Mortise, Ball Bearing, Brass/Bronze, Satin Chrome
Finish Hinges (08 71 23 00-0002)

Note: Mortised into the edge of the door and mortised into the rabbet edge of the frame.

08 71 23 00-0008	PR		3-1/2" x 3-1/2" Standard Duty, Full Mortise, Ball Bearing, Brass/Bronze, Satin Chrome Finish Hinge.....	69.90	6.33
			<i>For Clear Coated Bright Brass, Add</i>	5.01	
			<i>For Pair Of Non-Removable Pins (NRP), Add</i>	6.00	
08 71 23 00-0009	PR		4" x 4" Standard Duty, Full Mortise, Ball Bearing, Brass/Bronze, Satin Chrome Finish Hinge.....	81.00	9.04
			<i>For Clear Coated Bright Brass, Add</i>	5.01	
			<i>For Pair Of Non-Removable Pins (NRP), Add</i>	6.00	



Openings	08	08
Hardware	08 70	
Door Hardware	08 71	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 23 00-0010	PR		4-1/2" x 4-1/2" Standard Duty, Full Mortise, Ball Bearing, Brass/Bronze, Satin Chrome Finish Hinge <i>For Clear Coated Bright Brass, Add</i> <i>For Pair Of Non-Removable Pins (NRP), Add</i>	83.29 4.43 6.00	9.95
08 71 23 00-0011	PR		5" x 4-1/2" Standard Duty, Full Mortise, Ball Bearing, Brass/Bronze, Satin Chrome Finish Hinge..... <i>For Clear Coated Bright Brass, Add</i> <i>For Pair Of Non-Removable Pins (NRP), Add</i>	97.28 5.18 6.00	11.76
08 71 23 00-0012	PR		5" x 5" Standard Duty, Full Mortise, Ball Bearing, Brass/Bronze, Satin Chrome Finish Hinge..... <i>For Clear Coated Bright Brass, Add</i> <i>For Pair Of Non-Removable Pins (NRP), Add</i>	97.84 5.26 6.00	11.76
08 71 23 00-0013	PR		6" x 5" Standard Duty, Full Mortise, Ball Bearing, Brass/Bronze, Satin Chrome Finish Hinge..... <i>For Clear Coated Bright Brass, Add</i> <i>For Pair Of Non-Removable Pins (NRP), Add</i>	104.28 6.16 6.00	15.10
08 71 23 00-0014			Standard Duty, Full Mortise, Concealed Ball Bearing, Brass/Bronze, Satin Chrome Finish Hinges (08 71 23 00-0002) Note: Mortised into the edge of the door and mortised into the rabbet edge of the frame.		
08 71 23 00-0015	PR		3-1/2" x 3-1/2", Standard Duty, Full Mortise, Concealed Ball Bearing, Brass/Bronze, Satin Chrome Finish Hinge	78.53	6.33
08 71 23 00-0016	PR		4" x 4", Standard Duty, Full Mortise, Concealed Ball Bearing, Brass/Bronze, Satin Chrome Finish Hinge.....	89.62	9.04
08 71 23 00-0017	PR		4-1/2" x 4-1/2", Standard Duty, Full Mortise, Concealed Ball Bearing, Brass/Bronze, Satin Chrome Finish Hinge	92.67	9.95
08 71 23 00-0018	PR		5" x 4", Standard Duty, Full Mortise, Concealed Ball Bearing, Brass/Bronze, Satin Chrome Finish Hinge.....	107.62	11.76
08 71 23 00-0019			Standard Duty, Half Surface, Ball Bearing, Brass/Bronze, Satin Chrome Finish Hinges (08 71 23 00-0002) Note: Surface mounted to the face of the door and mortised into the rabbet edge of the frame.		
08 71 23 00-0020	PR		4-1/2" x 4-1/2" Standard Duty, Half Surface, Ball Bearing, Brass/Bronze, Satin Chrome Finish Hinge	152.53 14.12 6.00	9.95
08 71 23 00-0021	PR		5" x 4" Standard Duty, Half Surface, Ball Bearing, Brass/Bronze, Satin Chrome Finish Hinge..... <i>For Clear Coated Bright Brass, Add</i> <i>For Pair Of Non-Removable Pins (NRP), Add</i>	172.22 15.67 6.00	11.76
08 71 23 00-0022	PR		5" x 5" Standard Duty, Half Surface, Ball Bearing, Brass/Bronze, Satin Chrome Finish Hinge..... <i>For Clear Coated Bright Brass, Add</i> <i>For Pair Of Non-Removable Pins (NRP), Add</i>	103.46 6.05 6.00	11.76
08 71 23 00-0023			Standard Duty, Half Mortise, Ball Bearing, Brass/Bronze, Satin Chrome Finish Hinges (08 71 23 00-0002) Note: Mortised into the edge of the door and surface applied to the face of the frame.		
08 71 23 00-0024	PR		4-1/2" x 4-1/2" Standard Duty, Half Mortise, Ball Bearing, Brass/Bronze, Satin Chrome Finish Hinge	139.63 12.31 6.00	9.95
08 71 23 00-0025	PR		5" x 4" Standard Duty, Half Mortise, Ball Bearing, Brass/Bronze, Satin Chrome Finish Hinge	164.68 14.62 6.00	11.76
08 71 23 00-0026			Heavy Duty, Full Mortise, Plain Bearing, Brass/Bronze Satin Chrome Finish Hinge (08 71 23 00-0002) Note: Mortised into the edge of the door and mortised into the rabbet edge of the frame.		
08 71 23 00-0027	PR		4-1/2" x 4-1/2" Heavy Duty, Full Mortise, Plain Bearing, Brass/Bronze, Satin Chrome Finish Hinge..... <i>For Clear Coated Bright Brass, Add</i> <i>For Pair Of Non-Removable Pins (NRP), Add</i>	101.61 6.99 6.00	9.95
08 71 23 00-0028	PR		5" x 5" Heavy Duty, Full Mortise, Plain Bearing, Brass/Bronze, Satin Chrome Finish Hinge	117.54 8.02 6.00	15.10
08 71 23 00-0029	PR		6" x 5" Heavy Duty, Full Mortise, Plain Bearing, Brass/Bronze, Satin Chrome Finish Hinge	157.30 13.58 6.00	15.10
08 71 23 00-0030			Mortised, Wrought Steel Hinges (08 71 23 00-0001) Note: Clear coated, US 26D satin chrome finish (BHMA 652).		
08 71 23 00-0031			Full Mortise, Plain Bearing, Wrought Steel Hinges (08 71 23 00-0030) Note: Mortised into the edge of the door and mortised into the rabbet edge of the frame.		
08 71 23 00-0032	PR		3-1/2" x 3-1/2", Standard Duty, Full Mortise, Plain Bearing, Wrought Steel Hinge..... <i>For Primed For Paint Finish, Deduct</i> <i>For Bright Chrome Plated Finish US26 (BHMA 625), Add</i> <i>For Satin Brass Plated Clear Coated Finish, Deduct</i> <i>For Stainless Steel, Add</i> <i>For Heavy Duty, Add</i> <i>For Extra Heavy Duty, Add</i> <i>For Pair Of Non-Removable Pins (NRP), Add</i>	40.04 -1.18 0.74 -0.71 3.26 0.89 2.37 6.00	6.33
08 71 23 00-0033	PR		4" x 4", Standard Duty, Full Mortise, Plain Bearing, Wrought Steel Hinge..... <i>For Primed For Paint Finish, Deduct</i> <i>For Bright Chrome Plated Finish US26 (BHMA 625), Add</i> <i>For Satin Brass Plated Clear Coated Finish, Deduct</i> <i>For Stainless Steel, Add</i> <i>For Heavy Duty, Add</i> <i>For Extra Heavy Duty, Add</i> <i>For Pair Of Non-Removable Pins (NRP), Add</i>	51.75 -1.31 0.82 -0.78 3.59 0.98 2.61 6.00	9.04

08 Openings**08 70 Hardware****08 71 Door Hardware**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 23 00-0034	PR		4-1/2" x 4-1/2", Standard Duty, Full Mortise, Plain Bearing, Wrought Steel Hinge.....	59.63	9.95
			<i>For Primed For Paint Finish, Deduct</i>	-1.59	
			<i>For Bright Chrome Plated Finish US26 (BHMA 625), Add</i>	1.00	
			<i>For Satin Brass Plated Clear Coated Finish, Deduct</i>	-0.96	
			<i>For Stainless Steel, Add</i>	4.38	
			<i>For Heavy Duty, Add</i>	1.19	
			<i>For Extra Heavy Duty, Add</i>	3.18	
			<i>For Pair Of Non-Removable Pins (NRP), Add</i>	6.00	
08 71 23 00-0035			Full Mortise, Ball Bearing, Wrought Steel Hinges <small>(08 71 23 00-0030)</small>		
			Note: Mortised into the edge of the door and mortised into the rabbet edge of the frame.		
08 71 23 00-0036	PR		3-1/2" x 3-1/2", Standard Duty, Full Mortise, Ball Bearing, Wrought Steel Hinge.....	55.69	6.33
			<i>For Primed For Paint Finish, Deduct</i>	-4.31	
			<i>For Bright Chrome Plated Finish US26 (BHMA 625), Add</i>	2.70	
			<i>For Satin Brass Plated Clear Coated Finish, Deduct</i>	-2.59	
			<i>For Stainless Steel, Add</i>	11.86	
			<i>For Heavy Duty, Add</i>	3.24	
			<i>For Extra Heavy Duty, Add</i>	8.63	
			<i>For Pair Of Non-Removable Pins (NRP), Add</i>	6.00	
08 71 23 00-0037	PR		4" x 4", Standard Duty, Full Mortise, Ball Bearing, Wrought Steel Hinge.....	69.64	9.04
			<i>For Primed For Paint Finish, Deduct</i>	-4.88	
			<i>For Bright Chrome Plated Finish US26 (BHMA 625), Add</i>	3.05	
			<i>For Satin Brass Plated Clear Coated Finish, Deduct</i>	-2.93	
			<i>For Stainless Steel, Add</i>	13.43	
			<i>For Heavy Duty, Add</i>	3.66	
			<i>For Extra Heavy Duty, Add</i>	9.77	
			<i>For Pair Of Non-Removable Pins (NRP), Add</i>	6.00	
08 71 23 00-0038	PR		4-1/2" x 4-1/2", Standard Duty, Full Mortise, Ball Bearing, Wrought Steel Hinge.....	66.32	9.95
			<i>For Primed For Paint Finish, Deduct</i>	-2.93	
			<i>For Bright Chrome Plated Finish US26 (BHMA 625), Add</i>	1.83	
			<i>For Satin Brass Plated Clear Coated Finish, Deduct</i>	-1.76	
			<i>For Stainless Steel, Add</i>	8.06	
			<i>For Heavy Duty, Add</i>	2.20	
			<i>For Extra Heavy Duty, Add</i>	5.86	
			<i>For Pair Of Non-Removable Pins (NRP), Add</i>	6.00	
08 71 23 00-0039	PR		5" x 4-1/2", Standard Duty, Full Mortise, Ball Bearing, Wrought Steel Hinge.....	95.99	11.76
			<i>For Primed For Paint Finish, Deduct</i>	-7.14	
			<i>For Bright Chrome Plated Finish US26 (BHMA 625), Add</i>	4.46	
			<i>For Satin Brass Plated Clear Coated Finish, Deduct</i>	-4.29	
			<i>For Stainless Steel, Add</i>	19.64	
			<i>For Heavy Duty, Add</i>	5.36	
			<i>For Extra Heavy Duty, Add</i>	14.28	
			<i>For Pair Of Non-Removable Pins (NRP), Add</i>	6.00	
08 71 23 00-0040	PR		5" x 5", Standard Duty, Full Mortise, Ball Bearing, Wrought Steel Hinge.....	101.03	11.76
			<i>For Primed For Paint Finish, Deduct</i>	-8.15	
			<i>For Bright Chrome Plated Finish US26 (BHMA 625), Add</i>	5.09	
			<i>For Satin Brass Plated Clear Coated Finish, Deduct</i>	-4.89	
			<i>For Stainless Steel, Add</i>	22.41	
			<i>For Heavy Duty, Add</i>	6.11	
			<i>For Extra Heavy Duty, Add</i>	16.30	
			<i>For Pair Of Non-Removable Pins (NRP), Add</i>	6.00	
08 71 23 00-0041	PR		6" x 5", Standard Duty, Full Mortise, Ball Bearing, Wrought Steel Hinge.....	116.39	11.76
			<i>For Primed For Paint Finish, Deduct</i>	-11.22	
			<i>For Bright Chrome Plated Finish US26 (BHMA 625), Add</i>	7.01	
			<i>For Satin Brass Plated Clear Coated Finish, Deduct</i>	-6.73	
			<i>For Stainless Steel, Add</i>	30.86	
			<i>For Heavy Duty, Add</i>	8.42	
			<i>For Extra Heavy Duty, Add</i>	22.44	
			<i>For Pair Of Non-Removable Pins (NRP), Add</i>	6.00	
08 71 23 00-0042			Half Surface, Plain Bearing, Wrought Steel Hinges <small>(08 71 23 00-0030)</small>		
			Note: Surface mounted to the face of the door and mortised into the rabbet edge of the frame.		
08 71 23 00-0043	PR		3-1/2" x 3-1/2", Standard Duty, Half Surface, Plain Bearing, Wrought Steel Hinge.....	64.73	6.33
			<i>For Primed For Paint Finish, Deduct</i>	-6.12	
			<i>For Bright Chrome Plated Finish US26 (BHMA 625), Add</i>	3.83	
			<i>For Satin Brass Plated Clear Coated Finish, Deduct</i>	-3.67	
			<i>For Stainless Steel, Add</i>	16.84	
			<i>For Heavy Duty, Add</i>	4.59	
			<i>For Extra Heavy Duty, Add</i>	12.24	
			<i>For Pair Of Non-Removable Pins (NRP), Add</i>	6.00	
08 71 23 00-0044	PR		4" x 4", Standard Duty, Half Surface, Plain Bearing, Wrought Steel Hinge.....	79.91	9.04
			<i>For Primed For Paint Finish, Deduct</i>	-6.94	
			<i>For Bright Chrome Plated Finish US26 (BHMA 625), Add</i>	4.34	
			<i>For Satin Brass Plated Clear Coated Finish, Deduct</i>	-4.16	
			<i>For Stainless Steel, Add</i>	19.08	
			<i>For Heavy Duty, Add</i>	5.20	
			<i>For Extra Heavy Duty, Add</i>	13.88	
			<i>For Pair Of Non-Removable Pins (NRP), Add</i>	6.00	



Openings	08	08
Hardware	08 70	
Door Hardware	08 71	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 23 00-0045	PR		4-1/2" x 4-1/2", Standard Duty, Half Surface, Plain Bearing, Wrought Steel Hinge <i>For Primed For Paint Finish, Deduct</i> <i>For Bright Chrome Plated Finish US26 (BHMA 625), Add</i> <i>For Satin Brass Plated Clear Coated Finish, Deduct</i> <i>For Stainless Steel, Add</i> <i>For Heavy Duty, Add</i> <i>For Extra Heavy Duty, Add</i> <i>For Pair Of Non-Removable Pins (NRP), Add</i>	90.44 -7.75 4.85 -4.65 21.32 5.82 15.51 6.00	9.95
08 71 23 00-0046	PR		5" x 4-1/2", Standard Duty, Half Surface, Plain Bearing, Wrought Steel Hinge..... <i>For Primed For Paint Finish, Deduct</i> <i>For Bright Chrome Plated Finish US26 (BHMA 625), Add</i> <i>For Satin Brass Plated Clear Coated Finish, Deduct</i> <i>For Stainless Steel, Add</i> <i>For Heavy Duty, Add</i> <i>For Extra Heavy Duty, Add</i> <i>For Pair Of Non-Removable Pins (NRP), Add</i>	103.13 -8.57 5.36 -5.14 23.57 6.43 17.14 6.00	11.76
08 71 23 00-0047 Half Surface, Ball Bearing, Wrought Steel Hinges <small>(08 71 23 00-0030)</small>					
Note: Surface mounted to the face of the door and mortised into the rabbet edge of the frame.					
08 71 23 00-0048	PR		4" x 4", Standard Duty, Half Surface, Ball Bearing, Wrought Steel Hinge..... <i>For Primed For Paint Finish, Deduct</i> <i>For Bright Chrome Plated Finish US26 (BHMA 625), Add</i> <i>For Satin Brass Plated Clear Coated Finish, Deduct</i> <i>For Stainless Steel, Add</i> <i>For Heavy Duty, Add</i> <i>For Extra Heavy Duty, Add</i> <i>For Pair Of Non-Removable Pins (NRP), Add</i>	89.09 -8.77 5.48 -5.26 24.13 6.58 17.55 6.00	9.95
08 71 23 00-0049	PR		4-1/2" x 4-1/2", Standard Duty, Half Surface, Ball Bearing, Wrought Steel Hinge <i>For Primed For Paint Finish, Deduct</i> <i>For Bright Chrome Plated Finish US26 (BHMA 625), Add</i> <i>For Satin Brass Plated Clear Coated Finish, Deduct</i> <i>For Stainless Steel, Add</i> <i>For Heavy Duty, Add</i> <i>For Extra Heavy Duty, Add</i> <i>For Pair Of Non-Removable Pins (NRP), Add</i>	100.21 -9.71 6.07 -5.82 26.70 7.28 19.42 6.00	9.95
08 71 23 00-0050	PR		5" x 5", Standard Duty, Half Surface, Ball Bearing, Wrought Steel Hinge..... <i>For Primed For Paint Finish, Deduct</i> <i>For Bright Chrome Plated Finish US26 (BHMA 625), Add</i> <i>For Satin Brass Plated Clear Coated Finish, Deduct</i> <i>For Stainless Steel, Add</i> <i>For Heavy Duty, Add</i> <i>For Extra Heavy Duty, Add</i> <i>For Pair Of Non-Removable Pins (NRP), Add</i>	116.39 -11.22 7.01 -6.73 30.86 8.42 22.44 6.00	11.76
08 71 23 00-0051 Slide-In, Full Mortise, Ball Bearing, Wrought Steel Hinges <small>(08 71 23 00-0030)</small>					
Note: Both leaves slide into a cavity prepared in the door and door frame.					
08 71 23 00-0052	PR		4-1/2" x 4-1/2", Standard Duty, Slide In, Full Mortise, Ball Bearing, Wrought Steel Hinge..... <i>For Primed For Paint Finish, Deduct</i> <i>For Bright Chrome Plated Finish US26 (BHMA 625), Add</i> <i>For Satin Brass Plated Clear Coated Finish, Deduct</i> <i>For Stainless Steel, Add</i> <i>For Heavy Duty, Add</i> <i>For Extra Heavy Duty, Add</i> <i>For Pair Of Non-Removable Pins (NRP), Add</i>	66.80 -3.03 1.89 -1.82 8.32 2.27 6.05 6.00	9.95
08 71 23 00-0053 Blank Butt Hinges <small>(08 71 23 00-0030)</small>					
08 71 23 00-0054	PR		3.5" x 3.5" To 5" x 5", Blank Butt With Screws, Steel Hinge <i>For Primed For Paint Finish, Deduct</i> <i>For Bright Chrome Plated Finish US26 (BHMA 625), Add</i> <i>For Satin Brass Plated Clear Coated Finish, Deduct</i> <i>For Stainless Steel, Add</i> <i>For Heavy Duty, Add</i> <i>For Extra Heavy Duty, Add</i> <i>For Pair Of Non-Removable Pins (NRP), Add</i>	18.10 -0.39 0.24 -0.23 1.06 0.29 0.77 6.00	4.07
08 71 23 00-0055 Full Mortise, Single Acting Spring, Wrought Steel Hinges <small>(08 71 23 00-0030)</small>					
Note: Mortised into the edge of the door and mortised into the rabbet edge of the frame.					
08 71 23 00-0056	PR		3-1/2" x 3-1/2", Full Mortise, Single Acting Spring, Wrought Steel Hinge <i>For Primed For Paint Finish, Deduct</i> <i>For Bright Chrome Plated Finish US26 (BHMA 625), Add</i> <i>For Satin Brass Plated Clear Coated Finish, Deduct</i> <i>For Stainless Steel, Add</i>	48.57 -2.89 1.81 -1.73 7.95	6.33
08 71 23 00-0057	PR		4" x 4", Full Mortise, Single Acting Spring, Wrought Steel Hinge..... <i>For Primed For Paint Finish, Deduct</i> <i>For Bright Chrome Plated Finish US26 (BHMA 625), Add</i> <i>For Satin Brass Plated Clear Coated Finish, Deduct</i> <i>For Stainless Steel, Add</i>	64.12 -3.78 2.36 -2.27 10.40	9.04
08 71 23 00-0058	PR		4-1/2" x 4-1/2", Full Mortise, Single Acting Spring, Wrought Steel Hinge <i>For Primed For Paint Finish, Deduct</i> <i>For Bright Chrome Plated Finish US26 (BHMA 625), Add</i> <i>For Satin Brass Plated Clear Coated Finish, Deduct</i> <i>For Stainless Steel, Add</i>	79.47 -5.56 3.48 -3.34 15.29	9.95



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

08 71 23 00-0059		Offset And Pivot Hinges (08 71 23 00-0001) Note: Satin chrome plated, US26D.		
08 71 23 00-0060		Offset Swing Clear Hinges (08 71 23 00-0059) Note: For use on 1-3/8" and 1-3/4" doors. Allows doors to swing completely clear of the openings.		
08 71 23 00-0061	EA	4-1/2", Swing Clear, Offset Hinges For Bright Brass, Clear Coated US3 (BHMA 605) Finish, Add For Bright Chrome Plated US26 (BHMA 625) Finish, Add	50.29 7.41 11.94	2.82
08 71 23 00-0062		Offset Pivot Hinges (08 71 23 00-0059)		
08 71 23 00-0063		3/4" Offset Pivot Hinges (08 71 23 00-0062)		
08 71 23 00-0064		3/4" Offset Pivot Hinges (08 71 23 00-0063)		
08 71 23 00-0065		Top Mount, 3/4" Offset Pivot Hinges (08 71 23 00-0064)		
08 71 23 00-0066		200 LB Max Door Weight, Top Mount, 3/4" Offset Pivot Hinges (08 71 23 00-0065)		
08 71 23 00-0067	EA	Painted Finish, 200 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7212 Top)	83.92	9.04
08 71 23 00-0068	EA	Satin Chrome Finish, 200 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7212 Top)	110.85	9.04
08 71 23 00-0069	EA	Bright Brass Finish, 200 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7212 Top)	125.82	9.04
08 71 23 00-0070	EA	Satin Brass Finish, 200 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7212 Top)	125.82	9.04
08 71 23 00-0071	EA	Satin Bronze Finish, 200 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7212 Top)	125.82	9.04
08 71 23 00-0072	EA	Dark Bronze Finish, 200 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7212 Top)	125.82	9.04
08 71 23 00-0073	EA	Bright Chrome Finish, 200 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7212 Top)	125.82	9.04
08 71 23 00-0074	EA	Painted Finish, 200 LB Max Door Weight, Top Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7212V Top)	91.70	9.04
08 71 23 00-0075	EA	Satin Chrome Finish, 200 LB Max Door Weight, Top Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7212V Top)	115.05	9.04
08 71 23 00-0076	EA	Bright Brass Finish, 200 LB Max Door Weight, Top Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7212V Top)	130.61	9.04
08 71 23 00-0077	EA	Satin Brass Finish, 200 LB Max Door Weight, Top Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7212V Top)	130.61	9.04
08 71 23 00-0078	EA	Satin Bronze Finish, 200 LB Max Door Weight, Top Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7212V Top)	130.61	9.04
08 71 23 00-0079	EA	Dark Bronze Finish, 200 LB Max Door Weight, Top Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7212V Top)	130.61	9.04
08 71 23 00-0080	EA	Bright Chrome Finish, 200 LB Max Door Weight, Top Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7212V Top)	130.61	9.04
08 71 23 00-0081	EA	Painted Finish, 200 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7222 Top)	83.92	9.04
08 71 23 00-0082	EA	Satin Chrome Finish, 200 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7222 Top)	110.85	9.04
08 71 23 00-0083	EA	Bright Brass Finish, 200 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7222 Top)	125.82	9.04
08 71 23 00-0084	EA	Satin Brass Finish, 200 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7222 Top)	125.82	9.04
08 71 23 00-0085	EA	Satin Bronze Finish, 200 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7222 Top)	125.82	9.04
08 71 23 00-0086	EA	Dark Bronze Finish, 200 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7222 Top)	125.82	9.04
08 71 23 00-0087	EA	Bright Chrome Finish, 200 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7222 Top)	125.82	9.04
08 71 23 00-0088		500 LB Max Door Weight, Top Mount, 3/4" Offset Pivot Hinges (08 71 23 00-0065)		
08 71 23 00-0089	EA	Painted Finish, 500 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7215 Top)	88.43	11.31
08 71 23 00-0090	EA	Satin Chrome Finish, 500 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7215 Top)	115.36	11.31
08 71 23 00-0091	EA	Bright Brass Finish, 500 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7215 Top)	130.33	11.31
08 71 23 00-0092	EA	Satin Brass Finish, 500 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7215 Top)	130.33	11.31
08 71 23 00-0093	EA	Satin Bronze Finish, 500 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7215 Top)	130.33	11.31
08 71 23 00-0094	EA	Dark Bronze Finish, 500 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7215 Top)	130.33	11.31
08 71 23 00-0095	EA	Bright Chrome Finish, 500 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7215 Top)	130.33	11.31
08 71 23 00-0096		600 LB Max Door Weight, Top Mount, 3/4" Offset Pivot Hinges (08 71 23 00-0065)		
08 71 23 00-0097	EA	Painted Finish, 600 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7226 Top)	88.43	11.31
08 71 23 00-0098	EA	Satin Chrome Finish, 600 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7226 Top)	115.36	11.31
08 71 23 00-0099	EA	Bright Brass Finish, 600 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7226 Top)	130.33	11.31
08 71 23 00-0100	EA	Satin Brass Finish, 600 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7226 Top)	130.33	11.31
08 71 23 00-0101	EA	Satin Bronze Finish, 600 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7226 Top)	130.33	11.31
08 71 23 00-0102	EA	Dark Bronze Finish, 600 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7226 Top)	130.33	11.31
08 71 23 00-0103	EA	Bright Chrome Finish, 600 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7226 Top)	130.33	11.31
08 71 23 00-0104		700 LB Max Door Weight, Top Mount, 3/4" Offset Pivot Hinges (08 71 23 00-0065)		
08 71 23 00-0105	EA	Painted Finish, 700 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7227 Top)	88.43	11.31
08 71 23 00-0106	EA	Satin Chrome Finish, 700 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7227 Top)	115.36	11.31
08 71 23 00-0107	EA	Bright Brass Finish, 700 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7227 Top)	130.33	11.31
08 71 23 00-0108	EA	Satin Brass Finish, 700 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7227 Top)	130.33	11.31
08 71 23 00-0109	EA	Satin Bronze Finish, 700 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7227 Top)	130.33	11.31
08 71 23 00-0110	EA	Dark Bronze Finish, 700 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7227 Top)	130.33	11.31
08 71 23 00-0111	EA	Bright Chrome Finish, 700 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7227 Top)	130.33	11.31
08 71 23 00-0112		Intermediate Mount, 3/4" Offset Pivot Hinges (08 71 23 00-0064)		
08 71 23 00-0113		200 LB Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinges (08 71 23 00-0112)		
08 71 23 00-0114	EA	Painted Finish, 200 LB Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7212-7212V-7222 INT)	103.07	9.04
08 71 23 00-0115	EA	Satin Chrome Finish, 200 LB Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7212-7212V-7222 INT)	125.82	9.04



Openings	08	08
Hardware	08 70	
Door Hardware	08 71	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 23 00-0116 EA Bright Brass Finish, 200 LB Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7212-7212V-7222 INT).....	141.98	9.04
08 71 23 00-0117 EA Satin Brass Finish, 200 LB Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7212-7212V-7222 INT).....	141.98	9.04
08 71 23 00-0118 EA Satin Bronze Finish, 200 LB Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7212-7212V-7222 INT).....	141.98	9.04
08 71 23 00-0119 EA Dark Bronze Finish, 200 LB Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7212-7212V-7222 INT).....	141.98	9.04
08 71 23 00-0120 EA Bright Chrome Finish, 200 LB Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7212-7212V-7222 INT).....	141.98	9.04
08 71 23 00-0121 500 LB Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinges (08 71 23 00-0121)		
08 71 23 00-0122 EA Painted Finish, 500 LB Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7215 INT).....	115.36	11.31
08 71 23 00-0123 EA Satin Chrome Finish, 500 LB Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7215 INT).....	122.55	11.31
08 71 23 00-0124 EA Bright Brass Finish, 500 LB Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7215 INT).....	135.12	11.31
08 71 23 00-0125 EA Satin Brass Finish, 500 LB Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7215 INT).....	135.12	11.31
08 71 23 00-0126 EA Satin Bronze Finish, 500 LB Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7215 INT).....	135.12	11.31
08 71 23 00-0127 EA Dark Bronze Finish, 500 LB Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7215 INT).....	135.12	11.31
08 71 23 00-0128 EA Bright Chrome Finish, 500 LB Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7215 INT).....	135.12	11.31
08 71 23 00-0129 600 LB Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinges (08 71 23 00-0129)		
08 71 23 00-0130 EA Painted Finish, 600 LB Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7226 INT).....	115.36	11.31
08 71 23 00-0131 EA Satin Chrome Finish, 600 LB Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7226 INT).....	122.55	11.31
08 71 23 00-0132 EA Bright Brass Finish, 600 LB Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7226 INT).....	135.12	11.31
08 71 23 00-0133 EA Satin Brass Finish, 600 LB Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7226 INT).....	135.12	11.31
08 71 23 00-0134 EA Satin Bronze Finish, 600 LB Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7226 INT).....	135.12	11.31
08 71 23 00-0135 EA Dark Bronze Finish, 600 LB Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7226 INT).....	135.12	11.31
08 71 23 00-0136 EA Bright Chrome Finish, 600 LB Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7226 INT).....	135.12	11.31
08 71 23 00-0137 700 LB Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinges (08 71 23 00-0137)		
08 71 23 00-0138 EA Painted Finish, 700 LB Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7227 INT).....	115.36	11.31
08 71 23 00-0139 EA Satin Chrome Finish, 700 LB Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7227 INT).....	122.55	11.31
08 71 23 00-0140 EA Bright Brass Finish, 700 LB Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7227 INT).....	135.12	11.31
08 71 23 00-0141 EA Satin Brass Finish, 700 LB Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7227 INT).....	135.12	11.31
08 71 23 00-0142 EA Satin Bronze Finish, 700 LB Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7227 INT).....	135.12	11.31
08 71 23 00-0143 EA Dark Bronze Finish, 700 LB Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7227 INT).....	135.12	11.31
08 71 23 00-0144 EA Bright Chrome Finish, 700 LB Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7227 INT).....	135.12	11.31
08 71 23 00-0145 Bottom Mount, 3/4" Offset Pivot Hinges (08 71 23 00-0145)		
08 71 23 00-0146 200 LB Max Door Weight, Bottom Mount, 3/4" Offset Pivot Hinges (08 71 23 00-0146)		
08 71 23 00-0147 EA Painted Finish, 200 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7212 BTM).....	91.70	9.04
08 71 23 00-0148 EA Satin Chrome Finish, 200 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7212 BTM).....	115.05	9.04
08 71 23 00-0149 EA Bright Brass Finish, 200 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7212 BTM).....	130.61	9.04
08 71 23 00-0150 EA Satin Brass Finish, 200 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7212 BTM).....	130.61	9.04
08 71 23 00-0151 EA Satin Bronze Finish, 200 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7212 BTM).....	130.61	9.04
08 71 23 00-0152 EA Dark Bronze Finish, 200 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7212 BTM).....	130.61	9.04
08 71 23 00-0153 EA Bright Chrome Finish, 200 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7212 BTM).....	130.61	9.04
08 71 23 00-0154 EA Painted Finish, 200 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7212 VBTM).....	91.70	9.04
08 71 23 00-0155 EA Satin Chrome Finish, 200 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7212 VBTM).....	115.05	9.04
08 71 23 00-0156 EA Bright Brass Finish, 200 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7212 VBTM).....	130.61	9.04
08 71 23 00-0157 EA Satin Brass Finish, 200 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7212 VBTM).....	130.61	9.04
08 71 23 00-0158 EA Satin Bronze Finish, 200 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7212 VBTM).....	130.61	9.04
08 71 23 00-0159 EA Dark Bronze Finish, 200 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7212 VBTM).....	130.61	9.04
08 71 23 00-0160 EA Bright Chrome Finish, 200 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7212 VBTM).....	130.61	9.04
08 71 23 00-0161 EA Painted Finish, 200 LB Max Door Weight, Bottom Base Plate Mount, 3/4" Offset Pivot Hinge (Ives 7222 BTM).....	80.33	9.04
08 71 23 00-0162 EA Satin Chrome Finish, 200 LB Max Door Weight, Bottom Base Plate Mount, 3/4" Offset Pivot Hinge (Ives 7222 BTM).....	107.27	9.04
08 71 23 00-0163 EA Bright Brass Finish, 200 LB Max Door Weight, Bottom Base Plate Mount, 3/4" Offset Pivot Hinge (Ives 7222 BTM).....	122.82	9.04
08 71 23 00-0164 EA Satin Brass Finish, 200 LB Max Door Weight, Bottom Base Plate Mount, 3/4" Offset Pivot Hinge (Ives 7222 BTM).....	122.82	9.04
08 71 23 00-0165 EA Satin Bronze Finish, 200 LB Max Door Weight, Bottom Base Plate Mount, 3/4" Offset Pivot Hinge (Ives 7222 BTM).....	122.82	9.04
08 71 23 00-0166 EA Dark Bronze Finish, 200 LB Max Door Weight, Bottom Base Plate Mount, 3/4" Offset Pivot Hinge (Ives 7222 BTM).....	122.82	9.04
08 71 23 00-0167 EA Bright Chrome Finish, 200 LB Max Door Weight, Bottom Base Plate Mount, 3/4" Offset Pivot Hinge (Ives 7222 BTM).....	122.82	9.04
08 71 23 00-0168 500 LB Max Door Weight, Bottom Mount, 3/4" Offset Pivot Hinges (08 71 23 00-0168)		
08 71 23 00-0169 EA Satin Chrome Finish, 500 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7215 BTM).....	138.11	11.31
08 71 23 00-0170 EA Bright Brass Finish, 500 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7215 BTM).....	146.49	11.31
08 71 23 00-0171 EA Satin Brass Finish, 500 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7215 BTM).....	146.49	11.31
08 71 23 00-0172 EA Satin Bronze Finish, 500 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7215 BTM).....	146.49	11.31
08 71 23 00-0173 EA Dark Bronze Finish, 500 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7215 BTM).....	146.49	11.31
08 71 23 00-0174 EA Bright Chrome Finish, 500 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7215 BTM).....	146.49	11.31
08 71 23 00-0175 EA Painted Finish, 500 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7215 BTM).....	148.88	11.31

08 Openings**08 70 Hardware**

08 71 Door Hardware



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 23 00-0176 600 LB Max Door Weight, Bottom Mount, 3/4" Offset Pivot Hinges <small>(08 71 23 00-0145)</small>		
08 71 23 00-0177 EA Painted Finish, 600 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7226 BTM).....	119.56	11.31
08 71 23 00-0178 EA Satin Chrome Finish, 600 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7226 BTM).....	130.33	11.31
08 71 23 00-0179 EA Bright Brass Finish, 600 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7226 BTM).....	138.11	11.31
08 71 23 00-0180 EA Satin Brass Finish, 600 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7226 BTM).....	138.11	11.31
08 71 23 00-0181 EA Satin Bronze Finish, 600 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7226 BTM).....	138.11	11.31
08 71 23 00-0182 EA Dark Bronze Finish, 600 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7226 BTM).....	138.11	11.31
08 71 23 00-0183 EA Bright Chrome Finish, 600 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7226 BTM).....	138.11	11.31
08 71 23 00-0184 700 LB Max Door Weight, Bottom Mount, 3/4" Offset Pivot Hinges <small>(08 71 23 00-0145)</small>		
08 71 23 00-0185 EA Painted Finish, 700 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7227 BTM).....	265.58	11.31
08 71 23 00-0186 EA Satin Chrome Finish, 700 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7227 BTM).....	284.73	11.31
08 71 23 00-0187 EA Bright Brass Finish, 700 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7227 BTM).....	315.27	11.31
08 71 23 00-0188 EA Satin Brass Finish, 700 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7227 BTM).....	315.27	11.31
08 71 23 00-0189 EA Satin Bronze Finish, 700 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7227 BTM).....	315.27	11.31
08 71 23 00-0190 EA Dark Bronze Finish, 700 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7227 BTM).....	315.27	11.31
08 71 23 00-0191 EA Bright Chrome Finish, 700 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7227 BTM).....	315.27	11.31
08 71 23 00-0192 Fire Rated, 3/4" Offset Pivot Hinges <small>(08 71 23 00-0063)</small>		
08 71 23 00-0193 Top Mount, Fire Rated, 3/4" Offset Pivot Hinges <small>(08 71 23 00-0192)</small>		
08 71 23 00-0194 500 LB Max Door Weight, Top Mount, Fire Rated, 3/4" Offset Pivot Hinges <small>(08 71 23 00-0193)</small>		
08 71 23 00-0195 EA Painted Finish, 500 LB Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7215F Top).....	160.86	11.31
08 71 23 00-0196 EA Satin Stainless Finish, 500 LB Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7215F Top).....	188.98	11.31
08 71 23 00-0197 EA Bright Stainless Finish, 500 LB Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7215F Top).....	211.72	11.31
08 71 23 00-0198 EA Bright Brass Finish, 500 LB Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7215F Top).....	211.72	11.31
08 71 23 00-0199 EA Satin Bronze Finish, 500 LB Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7215F Top).....	211.72	11.31
08 71 23 00-0200 600 LB Max Door Weight, Top Mount, Fire Rated, 3/4" Offset Pivot Hinges <small>(08 71 23 00-0193)</small>		
08 71 23 00-0201 EA Painted Finish, 600 LB Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7226F Top).....	160.86	11.31
08 71 23 00-0202 EA Satin Stainless Finish, 600 LB Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7226F Top).....	188.98	11.31
08 71 23 00-0203 EA Bright Stainless Finish, 600 LB Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7226F Top).....	211.72	11.31
08 71 23 00-0204 EA Bright Brass Finish, 600 LB Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7226F Top).....	211.72	11.31
08 71 23 00-0205 EA Satin Bronze Finish, 600 LB Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7226F Top).....	211.72	11.31
08 71 23 00-0206 700 LB Max Door Weight, Top Mount, Fire Rated, 3/4" Offset Pivot Hinges <small>(08 71 23 00-0193)</small>		
08 71 23 00-0207 EA Painted Finish, 700 LB Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7227F Top).....	160.86	11.31
08 71 23 00-0208 EA Satin Stainless Finish, 700 LB Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7227F Top).....	188.98	11.31
08 71 23 00-0209 EA Bright Stainless Finish, 700 LB Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7227F Top).....	211.72	11.31
08 71 23 00-0210 EA Bright Brass Finish, 700 LB Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7227F Top).....	211.72	11.31
08 71 23 00-0211 EA Satin Bronze Finish, 700 LB Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7227F Top).....	211.72	11.31
08 71 23 00-0212 1,000 LB Max Door Weight, Top Mount, Fire Rated, 3/4" Offset Pivot Hinges <small>(08 71 23 00-0193)</small>		
08 71 23 00-0213 EA Painted Finish, 1,000 LB Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7230F Top).....	170.17	13.56
08 71 23 00-0214 EA Satin Stainless Finish, 1,000 LB Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7230F Top).....	193.51	13.56
08 71 23 00-0215 EA Bright Stainless Finish, 1,000 LB Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7230F Top).....	204.28	13.56
08 71 23 00-0216 EA Bright Brass Finish, 1,000 LB Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7230F Top).....	204.28	13.56
08 71 23 00-0217 EA Satin Bronze Finish, 1,000 LB Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7230F Top).....	204.28	13.56



Openings	08	08
Hardware	08 70	
Door Hardware	08 71	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 23 00-0218 1,750 LB Max Door Weight, Top Mount, Fire Rated, 3/4" Offset Pivot Hinges <small>(08 71 23 00-0193)</small>		
08 71 23 00-0219 EA Painted Finish, 1,750 LB Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7237F Top)	170.17	13.56
08 71 23 00-0220 EA Satin Stainless Finish, 1,750 LB Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7237F Top)	193.51	13.56
08 71 23 00-0221 EA Bright Stainless Finish, 1,750 LB Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7237F Top)	204.28	13.56
08 71 23 00-0222 EA Bright Brass Finish, 1,750 LB Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7237F Top)	204.28	13.56
08 71 23 00-0223 EA Satin Bronze Finish, 1,750 LB Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7237F Top)	204.28	13.56
08 71 23 00-0224 Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinges <small>(08 71 23 00-0192)</small>		
08 71 23 00-0225 500 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinges <small>(08 71 23 00-0224)</small>		
08 71 23 00-0226 EA Painted Finish, 500 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7215 FINT)	165.64	11.31
08 71 23 00-0227 EA Satin Stainless Finish, 500 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7215 FINT)	191.97	11.31
08 71 23 00-0228 EA Bright Stainless Finish, 500 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7215 FINT)	199.75	11.31
08 71 23 00-0229 EA Bright Brass Finish, 500 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7215 FINT)	199.75	11.31
08 71 23 00-0230 EA Satin Bronze Finish, 500 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7215 FINT)	199.75	11.31
08 71 23 00-0231 600 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinges <small>(08 71 23 00-0224)</small>		
08 71 23 00-0232 EA Painted Finish, 600 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7226 FINT)	165.64	11.31
08 71 23 00-0233 EA Satin Stainless Finish, 600 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7226 FINT)	191.97	11.31
08 71 23 00-0234 EA Bright Stainless Finish, 600 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7226 FINT)	199.75	11.31
08 71 23 00-0235 EA Bright Brass Finish, 600 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7226 FINT)	199.75	11.31
08 71 23 00-0236 EA Satin Bronze Finish, 600 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7226 FINT)	199.75	11.31
08 71 23 00-0237 700 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinges <small>(08 71 23 00-0224)</small>		
08 71 23 00-0238 EA Painted Finish, 700 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7227 FINT)	165.64	11.31
08 71 23 00-0239 EA Satin Stainless Finish, 700 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7227 FINT)	191.97	11.31
08 71 23 00-0240 EA Bright Stainless Finish, 700 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7227 FINT)	199.75	11.31
08 71 23 00-0241 EA Bright Brass Finish, 700 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7227 FINT)	199.75	11.31
08 71 23 00-0242 EA Satin Bronze Finish, 700 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7227 FINT)	199.75	11.31
08 71 23 00-0243 1,000 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinges <small>(08 71 23 00-0224)</small>		
08 71 23 00-0244 EA Painted Finish, 1,000 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7230 FINT)	185.73	13.56
08 71 23 00-0245 EA Satin Stainless Finish, 1,000 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7230 FINT)	212.66	13.56
08 71 23 00-0246 EA Bright Stainless Finish, 1,000 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7230 FINT)	219.84	13.56
08 71 23 00-0247 EA Bright Brass Finish, 1,000 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7230 FINT)	219.84	13.56
08 71 23 00-0248 EA Satin Bronze Finish, 1,000 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7230 FINT)	219.84	13.56
08 71 23 00-0249 1,750 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinges <small>(08 71 23 00-0224)</small>		
08 71 23 00-0250 EA Painted Finish, 1,750 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7237 FINT)	185.73	13.56
08 71 23 00-0251 EA Satin Stainless Finish, 1,750 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7237 FINT)	212.66	13.56
08 71 23 00-0252 EA Bright Stainless Finish, 1,750 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7237 FINT)	219.84	13.56

08 Openings**08 70 Hardware**

08 71 Door Hardware



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 23 00-0253 EA Bright Brass Finish, 1,750 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7237 FINT)	219.84	13.56
08 71 23 00-0254 EA Satin Bronze Finish, 1,750 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7237 FINT)	219.84	13.56
08 71 23 00-0255 Bottom Mount, Fire Rated, 3/4" Offset Pivot Hinges (08 71 23 00-0192)		
08 71 23 00-0256 500 LB Max Door Weight, Bottom Mount, Fire Rated, 3/4" Offset Pivot Hinges (08 71 23 00-0255)		
08 71 23 00-0257 EA Painted Finish, 500 LB Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7215F BTM)	184.20	11.31
08 71 23 00-0258 EA Satin Stainless Finish, 500 LB Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7215F BTM)	226.69	11.31
08 71 23 00-0259 EA Bright Stainless Finish, 500 LB Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7215F BTM)	242.85	11.31
08 71 23 00-0260 EA Bright Brass Finish, 500 LB Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7215F BTM)	242.85	11.31
08 71 23 00-0261 EA Satin Bronze Finish, 500 LB Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7215F BTM)	242.85	11.31
08 71 23 00-0262 600 LB Max Door Weight, Bottom Mount, Fire Rated, 3/4" Offset Pivot Hinges (08 71 23 00-0255)		
08 71 23 00-0263 EA Painted Finish, 600 LB Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7226F BTM)	181.20	11.31
08 71 23 00-0264 EA Satin Stainless Finish, 600 LB Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7226F BTM)	191.97	11.31
08 71 23 00-0265 EA Bright Stainless Finish, 600 LB Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7226F BTM)	219.51	11.31
08 71 23 00-0266 EA Bright Brass Finish, 600 LB Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7226F BTM)	219.51	11.31
08 71 23 00-0267 EA Satin Bronze Finish, 600 LB Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7226F BTM)	219.51	11.31
08 71 23 00-0268 1,000 LB Max Door Weight, Bottom Mount, Fire Rated, 3/4" Offset Pivot Hinges (08 71 23 00-0255)		
08 71 23 00-0269 EA Painted Finish, 1,000 LB Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7230F BTM)	208.47	13.56
08 71 23 00-0270 EA Satin Stainless Finish, 1,000 LB Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7230F BTM)	231.22	13.56
08 71 23 00-0271 EA Bright Stainless Finish, 1,000 LB Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7230F BTM)	239.59	13.56
08 71 23 00-0272 EA Bright Brass Finish, 1,000 LB Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7230F BTM)	239.59	13.56
08 71 23 00-0273 EA Satin Bronze Finish, 1,000 LB Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7230F BTM)	239.59	13.56
08 71 23 00-0274 1,750 LB Max Door Weight, Bottom Mount, Fire Rated, 3/4" Offset Pivot Hinges (08 71 23 00-0255)		
08 71 23 00-0275 EA Painted Finish, 1,750 LB Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7237F BTM)	292.86	13.56
08 71 23 00-0276 EA Satin Stainless Finish, 1,750 LB Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7237F BTM)	312.01	13.56
08 71 23 00-0277 EA Bright Stainless Finish, 1,750 LB Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7237F BTM)	319.80	13.56
08 71 23 00-0278 EA Bright Brass Finish, 1,750 LB Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7237F BTM)	319.80	13.56
08 71 23 00-0279 EA Satin Bronze Finish, 1,750 LB Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7237F BTM)	319.80	13.56
08 71 23 00-0280 1-1/2" Offset Pivot Hinges (08 71 23 00-0062)		
08 71 23 00-0281 Fire Rated, 1-1/2" Offset Pivot Hinges (08 71 23 00-0280)		
08 71 23 00-0282 Top Mount, Fire Rated, 1-1/2" Offset Pivot Hinges (08 71 23 00-0281)		
08 71 23 00-0283 400 LB Max Door Weight, Top Mount, Fire Rated, 1-1/2" Offset Pivot Hinges (08 71 23 00-0282)		
08 71 23 00-0284 EA Painted Finish, 400 LB Max Door Weight, Top Header Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7244 Top)	188.98	11.31
08 71 23 00-0285 EA Satin Stainless Finish, 400 LB Max Door Weight, Top Header Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7244 Top)	203.94	11.31
08 71 23 00-0286 EA Bright Stainless Finish, 400 LB Max Door Weight, Top Header Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7244 Top)	215.31	11.31
08 71 23 00-0287 EA Bright Bronze Finish, 400 LB Max Door Weight, Top Header Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7244 Top)	215.31	11.31
08 71 23 00-0288 EA Satin Bronze Finish, 400 LB Max Door Weight, Top Header Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7244 Top)	215.31	11.31



Openings	08	08
Hardware	08 70	
Door Hardware	08 71	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 23 00-0289 500 LB Max Door Weight, Top Mount, Fire Rated, 1-1/2" Offset Pivot Hinges <small>(08 71 23 00-0282)</small>		
08 71 23 00-0290 EA Painted Finish, 500 LB Max Door Weight, Top Header Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7245 Top).....	188.98	11.31
08 71 23 00-0291 EA Satin Stainless Finish, 500 LB Max Door Weight, Top Header Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7245 Top).....	203.94	11.31
08 71 23 00-0292 EA Bright Stainless Finish, 500 LB Max Door Weight, Top Header Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7245 Top).....	215.31	11.31
08 71 23 00-0293 EA Bright Bronze Finish, 500 LB Max Door Weight, Top Header Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7245 Top).....	215.31	11.31
08 71 23 00-0294 EA Satin Bronze Finish, 500 LB Max Door Weight, Top Header Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7245 Top).....	215.31	11.31
08 71 23 00-0295 Intermediate Mount, Fire Rated, 1-1/2" Offset Pivot Hinges <small>(08 71 23 00-0281)</small>		
08 71 23 00-0296 400 LB Max Door Weight, Intermediate Mount, Fire Rated, 1-1/2" Offset Pivot Hinges <small>(08 71 23 00-0295)</small>		
08 71 23 00-0297 EA Painted Finish, 400 LB Max Door Weight, Intermediate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7244 FINT).....	196.16	11.31
08 71 23 00-0298 EA Satin Stainless Finish, 400 LB Max Door Weight, Intermediate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7244 FINT).....	219.51	11.31
08 71 23 00-0299 EA Bright Stainless Finish, 400 LB Max Door Weight, Intermediate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7244 FINT).....	230.88	11.31
08 71 23 00-0300 EA Bright Brass Finish, 400 LB Max Door Weight, Intermediate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7244 FINT).....	230.88	11.31
08 71 23 00-0301 EA Satin Bronze Finish, 400 LB Max Door Weight, Intermediate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7244 FINT).....	230.88	11.31
08 71 23 00-0302 500 LB Max Door Weight, Intermediate Mount, Fire Rated, 1-1/2" Offset Pivot Hinges <small>(08 71 23 00-0295)</small>		
08 71 23 00-0303 EA Painted Finish, 500 LB Max Door Weight, Intermediate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7245 FINT).....	196.16	11.31
08 71 23 00-0304 EA Satin Stainless Finish, 500 LB Max Door Weight, Intermediate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7245 FINT).....	219.51	11.31
08 71 23 00-0305 EA Bright Stainless Finish, 500 LB Max Door Weight, Intermediate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7245 FINT).....	230.88	11.31
08 71 23 00-0306 EA Bright Brass Finish, 500 LB Max Door Weight, Intermediate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7245 FINT).....	230.88	11.31
08 71 23 00-0307 EA Satin Bronze Finish, 500 LB Max Door Weight, Intermediate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7245 FINT).....	230.88	11.31
08 71 23 00-0308 Bottom Mount, Fire Rated, 1-1/2" Offset Pivot Hinges <small>(08 71 23 00-0281)</small>		
08 71 23 00-0309 400 LB Max Door Weight, Bottom Mount, Fire Rated, 1-1/2" Offset Pivot Hinges <small>(08 71 23 00-0308)</small>		
08 71 23 00-0310 EA Painted Finish, 400 LB Max Door Weight, Bottom Base Plate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7244 BTM).....	191.97	11.31
08 71 23 00-0311 EA Satin Stainless Finish, 400 LB Max Door Weight, Bottom Base Plate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7244 BTM).....	219.51	11.31
08 71 23 00-0312 EA Bright Stainless Finish, 400 LB Max Door Weight, Bottom Base Plate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7244 BTM).....	230.88	11.31
08 71 23 00-0313 EA Bright Brass Finish, 400 LB Max Door Weight, Bottom Base Plate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7244 BTM).....	230.88	11.31
08 71 23 00-0314 EA Satin Bronze Finish, 400 LB Max Door Weight, Bottom Base Plate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7244 BTM).....	230.88	11.31
08 71 23 00-0315 500 LB Max Door Weight, Bottom Mount, Fire Rated, 1-1/2" Offset Pivot Hinges <small>(08 71 23 00-0308)</small>		
08 71 23 00-0316 EA Painted Finish, 500 LB Max Door Weight, Bottom Base Plate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7245 BTM).....	307.48	11.31
08 71 23 00-0317 EA Satin Stainless Finish, 500 LB Max Door Weight, Bottom Base Plate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7245 BTM).....	338.61	11.31
08 71 23 00-0318 EA Bright Stainless Finish, 500 LB Max Door Weight, Bottom Base Plate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7245 BTM).....	346.39	11.31
08 71 23 00-0319 EA Bright Brass Finish, 500 LB Max Door Weight, Bottom Base Plate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7245 BTM).....	346.39	11.31
08 71 23 00-0320 EA Satin Bronze Finish, 500 LB Max Door Weight, Bottom Base Plate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7245 BTM).....	346.39	11.31
08 71 23 00-0321 Center Hung Pivot Hinges <small>(08 71 23 00-0059)</small>		
08 71 23 00-0322 Top Mount, Center Hung Pivot Hinges <small>(08 71 23 00-0321)</small>		
08 71 23 00-0323 300 LB Max Door Weight, Top Mount, Center Hung Pivot Hinges <small>(08 71 23 00-0322)</small>		
08 71 23 00-0324 EA Painted Finish, 300 LB Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7253 Top).....	99.49	9.04

08 Openings**08 70 Hardware****08 71 Door Hardware**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 23 00-0325 EA Satin Chrome Finish, 300 LB Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7253 Top)	107.27	9.04
08 71 23 00-0326 EA Bright Brass Finish, 300 LB Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7253 Top).....	107.27	9.04
08 71 23 00-0327 EA Satin Brass Finish, 300 LB Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7253 Top).....	107.27	9.04
08 71 23 00-0328 EA Satin Chrome Finish, 300 LB Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7253 Top).....	107.27	9.04
08 71 23 00-0329 EA Dark Bronze Finish, 300 LB Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7253 Top).....	107.27	9.04
08 71 23 00-0330 EA Bright Chrome Finish, 300 LB Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7253 Top).....	107.27	9.04
08 71 23 00-0331 500 LB Max Door Weight, Top Mount, Center Hung Pivot Hinges (08 71 23 00-0322)		
08 71 23 00-0332 EA Painted Finish, 500 LB Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7255 Top).....	104.00	11.31
08 71 23 00-0333 EA Satin Chrome Finish, 500 LB Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7255 Top).....	111.78	11.31
08 71 23 00-0334 EA Bright Brass Finish, 500 LB Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7255 Top).....	111.78	11.31
08 71 23 00-0335 EA Satin Brass Finish, 500 LB Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7255 Top).....	111.78	11.31
08 71 23 00-0336 EA Satin Bronze Finish, 500 LB Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7255 Top).....	111.78	11.31
08 71 23 00-0337 EA Dark Bronze Finish, 500 LB Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7255 Top).....	111.78	11.31
08 71 23 00-0338 EA Bright Chrome Finish, 500 LB Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7255 Top).....	111.78	11.31
08 71 23 00-0339 600 LB Max Door Weight, Top Mount, Center Hung Pivot Hinges (08 71 23 00-0322)		
08 71 23 00-0340 EA Painted Finish, 600 LB Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7256 Top).....	104.00	11.31
08 71 23 00-0341 EA Satin Chrome Finish, 600 LB Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7256 Top).....	111.78	11.31
08 71 23 00-0342 EA Bright Brass Finish, 600 LB Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7256 Top).....	111.78	11.31
08 71 23 00-0343 EA Satin Brass Finish, 600 LB Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7256 Top).....	111.78	11.31
08 71 23 00-0344 EA Satin Bronze Finish, 600 LB Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7256 Top).....	111.78	11.31
08 71 23 00-0345 EA Dark Bronze Finish, 600 LB Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7256 Top).....	111.78	11.31
08 71 23 00-0346 EA Bright Chrome Finish, 600 LB Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7256 Top).....	111.78	11.31
08 71 23 00-0347 1,000 LB Max Door Weight, Top Mount, Center Hung Pivot Hinges (08 71 23 00-0322)		
08 71 23 00-0348 EA Painted Finish, 1,000 LB Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7259 Top).....	162.38	13.56
08 71 23 00-0349 EA Satin Chrome Finish, 1,000 LB Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7259 Top).....	188.73	13.56
08 71 23 00-0350 EA Bright Brass Finish, 1,000 LB Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7259 Top).....	216.25	13.56
08 71 23 00-0351 EA Satin Brass Finish, 1,000 LB Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7259 Top).....	216.25	13.56
08 71 23 00-0352 EA Satin Bronze Finish, 1,000 LB Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7259 Top).....	216.25	13.56
08 71 23 00-0353 EA Dark Bronze Finish, 1,000 LB Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7259 Top).....	216.25	13.56
08 71 23 00-0354 EA Bright Chrome Finish, 1,000 LB Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7259 Top).....	216.25	13.56
08 71 23 00-0355 Bottom Mount, Center Hung Pivot Hinges (08 71 23 00-0321)		
08 71 23 00-0356 300 LB Max Door Weight, Bottom Mount, Center Hung Pivot Hinges (08 71 23 00-0355)		
08 71 23 00-0357 EA Painted Finish, 300 LB Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7253 BTM).....	76.74	9.04
08 71 23 00-0358 EA Satin Chrome Finish, 300 LB Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7253 BTM).....	88.12	9.04
08 71 23 00-0359 EA Bright Brass Finish, 300 LB Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7253 BTM).....	99.49	9.04
08 71 23 00-0360 EA Satin Brass Finish, 300 LB Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7253 BTM).....	99.49	9.04
08 71 23 00-0361 EA Satin Bronze Finish, 300 LB Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7253 BTM).....	99.49	9.04
08 71 23 00-0362 EA Dark Bronze Finish, 300 LB Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7253 BTM).....	99.49	9.04
08 71 23 00-0363 EA Bright Chrome Finish, 300 LB Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7253 BTM).....	99.49	9.04
08 71 23 00-0364 500 LB Max Door Weight, Bottom Mount, 3/4" Offset Pivot Hinges (08 71 23 00-0355)		
08 71 23 00-0365 EA Painted Finish, 500 LB Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7255 BTM).....	111.78	11.31
08 71 23 00-0366 EA Satin Chrome Finish, 500 LB Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7255 BTM).....	115.36	11.31
08 71 23 00-0367 EA Bright Brass Finish, 500 LB Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7255 BTM).....	115.36	11.31
08 71 23 00-0368 EA Satin Brass Finish, 500 LB Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7255 BTM).....	115.36	11.31
08 71 23 00-0369 EA Satin Bronze Finish, 500 LB Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7255 BTM).....	115.36	11.31
08 71 23 00-0370 EA Dark Bronze Finish, 500 LB Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7255 BTM).....	115.36	11.31
08 71 23 00-0371 EA Bright Chrome Finish, 500 LB Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7255 BTM).....	115.36	11.31
08 71 23 00-0372 EA Painted Finish, 500 LB Max Door Weight, Bottom Jamb Mount, Center Hung Pivot Hinge (Ives 7255 JBMTM).....	111.78	11.31
08 71 23 00-0373 EA Satin Chrome Finish, 500 LB Max Door Weight, Bottom Jamb Mount, Center Hung Pivot Hinge (Ives 7255 JBMTM).....	115.36	11.31
08 71 23 00-0374 EA Bright Brass Finish, 500 LB Max Door Weight, Bottom Jamb Mount, Center Hung Pivot Hinge (Ives 7255 JBMTM).....	115.36	11.31
08 71 23 00-0375 EA Satin Brass Finish, 500 LB Max Door Weight, Bottom Jamb Mount, Center Hung Pivot Hinge (Ives 7255 JBMTM).....	115.36	11.31
08 71 23 00-0376 EA Satin Bronze Finish, 500 LB Max Door Weight, Bottom Jamb Mount, Center Hung Pivot Hinge (Ives 7255 JBMTM).....	115.36	11.31
08 71 23 00-0377 EA Dark Bronze Finish, 500 LB Max Door Weight, Bottom Jamb Mount, Center Hung Pivot Hinge (Ives 7255 JBMTM).....	115.36	11.31
08 71 23 00-0378 EA Bright Chrome Finish, 500 LB Max Door Weight, Bottom Jamb Mount, Center Hung Pivot Hinge (Ives 7255 JBMTM).....	115.36	11.31



Openings	08	08
Hardware	08 70	
Door Hardware	08 71	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 23 00-0379 600 LB Max Door Weight, Bottom Mount, Center Hung Pivot Hinges <small>(08 71 23 00-0355)</small>		
08 71 23 00-0380 EA Painted Finish, 600 LB Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7256 BTM).....	219.51	11.31
08 71 23 00-0381 EA Satin Chrome Finish, 600 LB Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7256 BTM).....	230.88	11.31
08 71 23 00-0382 EA Bright Brass Finish, 600 LB Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7256 BTM).....	242.85	11.31
08 71 23 00-0383 EA Satin Brass Finish, 600 LB Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7256 BTM).....	242.85	11.31
08 71 23 00-0384 EA Satin Bronze Finish, 600 LB Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7256 BTM).....	242.85	11.31
08 71 23 00-0385 EA Dark Bronze Finish, 600 LB Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7256 BTM).....	242.85	11.31
08 71 23 00-0386 EA Bright Chrome Finish, 600 LB Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7256 BTM).....	242.85	11.31
08 71 23 00-0387 1,000 LB Max Door Weight, Bottom Mount, Center Hung Pivot Hinges <small>(08 71 23 00-0355)</small>		
08 71 23 00-0388 EA Painted Finish, 1,000 LB Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7259 BTM).....	400.59	13.56
08 71 23 00-0389 EA Satin Chrome Finish, 1,000 LB Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7259 BTM).....	411.96	13.56
08 71 23 00-0390 EA Bright Brass Finish, 1,000 LB Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7259 BTM).....	427.53	13.56
08 71 23 00-0391 EA Satin Brass Finish, 1,000 LB Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7259 BTM).....	427.53	13.56
08 71 23 00-0392 EA Satin Bronze Finish, 1,000 LB Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7259 BTM).....	427.53	13.56
08 71 23 00-0393 EA Dark Bronze Finish, 1,000 LB Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7259 BTM).....	427.53	13.56
08 71 23 00-0394 EA Bright Chrome Finish, 1,000 LB Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7259 BTM).....	427.53	13.56
08 71 23 00-0395 Continuous Steel Hinges <small>(08 71 23 00-0001)</small>		
08 71 23 00-0396 LF 1-1/2" Wide, Continuous Steel Hinge.....	16.56	3.62
<i>For Stainless Steel, Add</i>	1.15	
<i>For Brass Or Nickel, Add</i>	1.25	
<i>For Aluminum, Add</i>	0.41	
<i>For Medium Gauge, Deduct</i>	-0.42	
08 71 23 00-0397 LF 2" Wide, Continuous Steel Hinge.....	16.70	3.62
<i>For Stainless Steel, Add</i>	1.23	
<i>For Brass Or Nickel, Add</i>	1.34	
<i>For Aluminum, Add</i>	0.44	
<i>For Medium Gauge, Deduct</i>	-0.45	
08 71 23 00-0398 LF 2-1/2" Wide, Continuous Steel Hinge.....	16.97	3.62
<i>For Stainless Steel, Add</i>	1.38	
<i>For Brass Or Nickel, Add</i>	1.50	
<i>For Aluminum, Add</i>	0.49	
<i>For Medium Gauge, Deduct</i>	-0.50	
08 71 23 00-0399 LF 3" Wide, Continuous Steel Hinge.....	17.29	3.62
<i>For Stainless Steel, Add</i>	1.55	
<i>For Brass Or Nickel, Add</i>	1.69	
<i>For Aluminum, Add</i>	0.55	
<i>For Medium Gauge, Deduct</i>	-0.56	
08 71 23 00-0400 Continuous Geared Hinges <small>(08 71 23 00-0001)</small>		
08 71 23 00-0401 LF Half Surface, Aluminum Geared Continuous Hinge, Standard Duty (Roton 780-053).....	35.86	3.62
<i>For Bronze Finish, Add</i>	8.02	
<i>For Heavy Duty, Add</i>	5.72	
08 71 23 00-0402 LF Full Surface, Aluminum Geared Continuous Hinge, Standard Duty (Roton 780-057).....	38.36	3.62
<i>For Bronze Finish, Add</i>	8.96	
<i>For Heavy Duty, Add</i>	6.38	
08 71 23 00-0403 LF Concealed (Full Mortise), Aluminum Geared Continuous Hinge, Standard Duty (Roton 780-112).....	25.84	3.62
<i>For Bronze Finish, Add</i>	4.26	
08 71 23 00-0404 LF Concealed (Full Mortise), Aluminum Geared Continuous Hinge, Heavy Duty (Roton 780-112HD).....	29.46	3.62
<i>For Bronze Finish, Add</i>	5.62	
08 71 23 00-0405 Mortised, Primed Steel, Double Acting Spring Hinges <small>(08 71 23 00-0001)</small>		
08 71 23 00-0406 PR 2", Mortised, Primed Steel, Double Acting Spring Hinge	78.40	6.33
<i>For Satin Brass, Add</i>	11.22	
08 71 23 00-0407 PR 3", Mortised, Primed Steel, Double Acting Spring Hinge	87.46	8.14
<i>For Satin Brass, Add</i>	11.22	
08 71 23 00-0408 PR 4", Mortised, Primed Steel, Double Acting Spring Hinge	99.05	9.95
<i>For Satin Brass, Add</i>	11.84	
08 71 23 00-0409 PR 5", Mortised, Primed Steel, Double Acting Spring Hinge	127.01	11.76
<i>For Satin Brass, Add</i>	16.38	
08 71 23 00-0410 PR 6", Mortised, Primed Steel, Double Acting Spring Hinge	142.96	13.56
<i>For Satin Brass, Add</i>	18.03	
08 71 23 00-0411 PR 7", Mortised, Primed Steel, Double Acting Spring Hinge	169.94	15.37
<i>For Satin Brass, Add</i>	22.34	

08 Openings**08 70 Hardware****08 71 Door Hardware**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 23 00-0412 PR 8", Mortised, Primed Steel, Double Acting Spring Hinge..... <i>For Satin Brass, Add</i>	222.82 32.86	42.95
08 71 23 00-0413 Security Hinges (08 71 23 00-0001)		
08 71 23 00-0414 EA 4-1/2" x 4-1/2", Non Removable Pin, Full Mortise, Ball Bearing, Steel Security Hinge	30.47	6.33
08 71 23 00-0415 Concealed Circuit Electric Hinge Option (08 71 23 00-0001)		
Note: Excludes the hinge. These tasks are used in conjunction with other hinges in the Construction Task Catalog® to electrify the hinge.		
08 71 23 00-0416 EA 4 Wire Concealed Circuit Electric Hinge Option.....	153.28	
08 71 23 00-0417 EA 6 Wire Concealed Circuit Electric Hinge Option.....	180.97	
08 71 23 00-0418 EA 8 Wire Concealed Circuit Electric Hinge Option.....	208.66	
08 71 23 00-0419 Hinge Filler Plates For Door Frames (08 71 23 00-0001)		
08 71 23 00-0420 PR Hinge Filler Plates For Door Frames.....	14.06	4.52
08 71 23 00-0421 Door Trim (08 71 23)		
08 71 23 00-0422 Floor Stops, Wall Stops And Bumpers (08 71 23 00-0421)		
08 71 23 00-0423 Floor Stops (08 71 23 00-0422)		
08 71 23 00-0424 Aluminum Floor Stops (08 71 23 00-0423)		
08 71 23 00-0425 EA 1-5/16" Overall Height, Satin Aluminum Finish, Aluminum Floor Stop (Ives FS430)	24.12	11.31
08 71 23 00-0426 EA 1" Overall Height, 3/16" Base Height, Satin Aluminum Finish, Aluminum Dome Floor Stop (Ives FS436)	25.63	11.31
08 71 23 00-0427 EA 1-3/8" Overall Height, 9/16" Base Height, Satin Aluminum Finish, Aluminum Dome Floor Stop (Ives FS438)	26.21	11.31
08 71 23 00-0428 EA 2-1/8" Overall Height, Satin Aluminum Finish, Aluminum Floor Stop (Ives FS441)	34.98	11.31
08 71 23 00-0429 EA 3" Overall Height, Satin Aluminum Finish, Aluminum Floor Stop (Ives FS444/448).....	36.03	11.31
08 71 23 00-0430 Brass Floor Stops (08 71 23 00-0423)		
08 71 23 00-0431 EA 1" Overall Height, 3/16" Base Height, Satin Chrome Finish, Brass Dome Floor Stop (Ives FS436)	25.84	11.31
08 71 23 00-0432 EA 1" Overall Height, 3/16" Base Height, Satin Brass Finish, Brass Dome Floor Stop (Ives FS436)	26.42	11.31
08 71 23 00-0433 EA 1" Overall Height, 3/16" Base Height, Bright Brass Finish, Brass Dome Floor Stop (Ives FS436)	26.42	11.31
08 71 23 00-0434 EA 1" Overall Height, 3/16" Base Height, Bright Chrome Finish, Brass Dome Floor Stop (Ives FS436)	26.64	11.31
08 71 23 00-0435 EA 1" Overall Height, 3/16" Base Height, Satin Bronze Finish, Brass Dome Floor Stop (Ives FS436)	26.94	11.31
08 71 23 00-0436 EA 1" Overall Height, 3/16" Base Height, Dark Bronze Finish, Brass Dome Floor Stop (Ives FS436)	26.94	11.31
08 71 23 00-0437 EA 1" Overall Height, 3/16" Base Height, Satin Nickel Finish, Brass Dome Floor Stop (Ives FS436)	26.94	11.31
08 71 23 00-0438 EA 1-3/8" Overall Height, 9/16" Base Height, Satin Chrome Finish, Brass Dome Floor Stop (Ives FS438)	26.21	11.31
08 71 23 00-0439 EA 1-3/8" Overall Height, 9/16" Base Height, Satin Brass Finish, Brass Dome Floor Stop (Ives FS438)	27.08	11.31
08 71 23 00-0440 EA 1-3/8" Overall Height, 9/16" Base Height, Bright Brass Finish, Brass Dome Floor Stop (Ives FS438)	27.08	11.31
08 71 23 00-0441 EA 1-3/8" Overall Height, 9/16" Base Height, Bright Chrome Finish, Brass Dome Floor Stop (Ives FS438)	27.42	11.31
08 71 23 00-0442 EA 1-3/8" Overall Height, 9/16" Base Height, Satin Bronze Finish, Brass Dome Floor Stop (Ives FS438)	27.72	11.31
08 71 23 00-0443 EA 1-3/8" Overall Height, 9/16" Base Height, Dark Bronze Finish, Brass Dome Floor Stop (Ives FS438)	27.72	11.31
08 71 23 00-0444 EA 1-3/8" Overall Height, 9/16" Base Height, Satin Nickel Finish, Brass Dome Floor Stop (Ives FS438)	29.10	11.31
08 71 23 00-0445 EA 1" Overall Height, 5/32" Base Height, Satin Chrome Finish, Brass Dome Floor Stop (Ives FS13)	27.14	11.31
08 71 23 00-0446 EA 1" Overall Height, 5/32" Base Height, Bright Brass Finish, Brass Dome Floor Stop (Ives FS13)	27.14	11.31
08 71 23 00-0447 EA 1" Overall Height, 5/32" Base Height, Bright Chrome Finish, Brass Dome Floor Stop (Ives FS13)	28.10	11.31
08 71 23 00-0448 EA 1" Overall Height, 5/32" Base Height, Satin Brass Finish, Brass Dome Floor Stop (Ives FS13)	28.10	11.31
08 71 23 00-0449 EA 1" Overall Height, 5/32" Base Height, Satin Bronze Finish, Brass Dome Floor Stop (Ives FS13)	28.10	11.31
08 71 23 00-0450 EA 1" Overall Height, 5/32" Base Height, Dark Bronze Finish, Brass Dome Floor Stop (Ives FS13)	28.10	11.31
08 71 23 00-0451 EA 1-11/32" Overall Height, 1/2" Base Height, Satin Chrome Finish, Brass Dome Floor Stop (Ives FS17)	27.80	11.31
08 71 23 00-0452 EA 1-11/32" Overall Height, 1/2" Base Height, Bright Brass Finish, Brass Dome Floor Stop (Ives FS17)	27.80	11.31
08 71 23 00-0453 EA 1-11/32" Overall Height, 1/2" Base Height, Bright Chrome Finish, Brass Dome Floor Stop (Ives FS17)	28.73	11.31
08 71 23 00-0454 EA 1-11/32" Overall Height, 1/2" Base Height, Satin Brass Finish, Brass Dome Floor Stop (Ives FS17)	28.73	11.31
08 71 23 00-0455 EA 1-11/32" Overall Height, 1/2" Base Height, Satin Bronze Finish, Brass Dome Floor Stop (Ives FS17)	28.73	11.31
08 71 23 00-0456 EA 1-11/32" Overall Height, 1/2" Base Height, Dark Bronze Finish, Brass Dome Floor Stop (Ives FS17)	28.73	11.31
08 71 23 00-0457 EA 2-1/8" Overall Height, Satin Chrome Finish, Brass Floor Stop (Ives FS441)	35.83	11.31
08 71 23 00-0458 EA 2-1/8" Overall Height, Bright Brass Finish, Brass Floor Stop (Ives FS441)	36.24	11.31
08 71 23 00-0459 EA 2-1/8" Overall Height, Dark Bronze Finish, Brass Floor Stop (Ives FS441)	37.25	11.31
08 71 23 00-0460 EA 2-1/8" Overall Height, Satin Brass Finish, Brass Floor Stop (Ives FS441)	38.06	11.31
08 71 23 00-0461 EA 2-1/8" Overall Height, Satin Bronze Finish, Brass Floor Stop (Ives FS441)	38.06	11.31
08 71 23 00-0462 EA 2-1/8" Overall Height, Bright Chrome Finish, Brass Floor Stop (Ives FS441)	41.37	11.31
08 71 23 00-0463 EA 2-1/8" Overall Height, Satin Nickel Finish, Brass Floor Stop (Ives FS441)	41.37	11.31
08 71 23 00-0464 EA 3" Overall Height, Dark Bronze Finish, Brass Floor Stop (Ives FS444/448).....	40.15	11.31
08 71 23 00-0465 EA 3" Overall Height, Satin Chrome Finish, Brass Floor Stop (Ives FS444/448).....	40.74	11.31
08 71 23 00-0466 EA 3" Overall Height, Satin Brass Finish, Brass Floor Stop (Ives FS444/448)	40.74	11.31
08 71 23 00-0467 EA 3" Overall Height, Bright Brass Finish, Brass Floor Stop (Ives FS444/448)	40.74	11.31
08 71 23 00-0468 EA 3" Overall Height, Satin Bronze Finish, Brass Floor Stop (Ives FS444/448)	40.74	11.31
08 71 23 00-0469 EA 3" Overall Height, Bright Chrome Finish, Brass Floor Stop (Ives FS444/448)	45.28	11.31
08 71 23 00-0470 EA 3" Overall Height, Satin Nickel Finish, Brass Floor Stop (Ives FS444/448)	45.28	11.31
08 71 23 00-0471 EA 1-5/16" Overall Height, Satin Brass Finish, Brass Floor Stop (Ives FS430)	30.89	11.31
08 71 23 00-0472 EA 1-5/16" Overall Height, Bright Brass Finish, Brass Floor Stop (Ives FS430)	31.65	11.31
08 71 23 00-0473 EA 1-5/16" Overall Height, Satin Chrome Finish, Brass Floor Stop (Ives FS430)	33.36	11.31
08 71 23 00-0474 EA 1-5/16" Overall Height, Bright Chrome Finish, Brass Floor Stop (Ives FS430)	33.36	11.31
08 71 23 00-0475 EA 1-5/16" Overall Height, Dark Bronze Finish, Brass Floor Stop (Ives FS430)	33.36	11.31
08 71 23 00-0476 EA 1-5/16" Overall Height, Satin Nickel Finish, Brass Floor Stop (Ives FS430)	33.86	11.31



Openings	08	08
Hardware	08 70	
Door Hardware	08 71	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 23 00-0477 Steel Floor Stops <small>(08 71 23 00-0423)</small>		
08 71 23 00-0478 EA 2-5/8" Overall Height, Zinc Plated Finish, Wrought Steel Floor Stop (Ives FS434).....	27.94	11.31
08 71 23 00-0479 EA 1-1/2" Overall Height, Grout In, Molded Rubber Security Floor Stop (Ives FS18S).....	56.03	11.31
Note: Includes drilling. Excludes Grout.		
08 71 23 00-0480 EA 3-1/2" Overall Height, Grout In, Molded Rubber Security Floor Stop (Ives FS18L).....	58.43	11.31
Note: Includes drilling. Excludes Grout.		
08 71 23 00-0481 Wall Stops <small>(08 71 23 00-0422)</small>		
08 71 23 00-0482 Aluminum Wall Stops <small>(08 71 23 00-0481)</small>		
08 71 23 00-0483 EA 3-3/4" Projection, Residential Rigid Type, Satin Aluminum Finish, Aluminum Wall Stop (Ives 60).....	11.13	4.52
08 71 23 00-0484 EA 3-3/4" Projection, Rigid Type, Satin Aluminum Finish, Aluminum Wall Stop (Ives WS65).....	16.39	6.78
08 71 23 00-0485 Brass Wall Stops <small>(08 71 23 00-0481)</small>		
08 71 23 00-0486 EA 3-3/4" Projection, Residential Rigid Type, Satin Chrome Finish, Brass Wall Stop (Ives 60).....	16.27	4.52
08 71 23 00-0487 EA 3-3/4" Projection, Residential Rigid Type, Satin Brass Finish, Brass Wall Stop (Ives 60).....	16.27	4.52
08 71 23 00-0488 EA 3-3/4" Projection, Residential Rigid Type, Bright Brass Finish, Brass Wall Stop (Ives 60).....	16.27	4.52
08 71 23 00-0489 EA 3-3/4" Projection, Residential Rigid Type, Satin Nickel Finish, Brass Wall Stop (Ives 60).....	18.51	4.52
08 71 23 00-0490 EA 3-3/4" Projection, Residential Rigid Type, Bright Chrome Finish, Brass Wall Stop (Ives 60).....	18.72	4.52
08 71 23 00-0491 EA 3-3/4" Projection, Residential Rigid Type, Satin Bronze Finish, Brass Wall Stop (Ives 60).....	18.72	4.52
08 71 23 00-0492 EA 3-3/4" Projection, Residential Rigid Type, Dark Bronze Finish, Brass Wall Stop (Ives 60).....	18.72	4.52
08 71 23 00-0493 EA 3-3/4" Projection, Rigid Type, Satin Chrome Finish, Brass Wall Stop (Ives WS11).....	40.28	6.78
08 71 23 00-0494 EA 3-3/4" Projection, Rigid Type, Dark Bronze Finish, Brass Wall Stop (Ives WS11).....	41.07	6.78
08 71 23 00-0495 EA 3-3/4" Projection, Rigid Type, Bright Brass Finish, Brass Wall Stop (Ives WS11).....	41.07	6.78
08 71 23 00-0496 EA 3-3/4" Projection, Rigid Type, Satin Bronze Finish, Brass Wall Stop (Ives WS11).....	41.07	6.78
08 71 23 00-0497 EA 3-3/4" Projection, Rigid Type, Bright Chrome Finish, Brass Wall Stop (Ives WS11).....	41.07	6.78
08 71 23 00-0498 EA 3-3/4" Projection, Rigid Type, Satin Brass Finish, Brass Wall Stop (Ives WS11).....	41.07	6.78
08 71 23 00-0499 EA 3-3/4" Projection, Rigid Type, Bright Brass Finish, Brass Wall Stop (Ives WS443/447).....	34.72	6.78
08 71 23 00-0500 EA 3-3/4" Projection, Rigid Type, Satin Bronze Finish, Brass Wall Stop (Ives WS443/447).....	38.99	6.78
08 71 23 00-0501 EA 3-3/4" Projection, Rigid Type, Bright Chrome Finish, Brass Wall Stop (Ives WS443/447).....	38.99	6.78
08 71 23 00-0502 EA 3-3/4" Projection, Rigid Type, Dark Bronze Finish, Brass Wall Stop (Ives WS443/447).....	38.99	6.78
08 71 23 00-0503 EA 3-3/4" Projection, Rigid Type, Satin Chrome Finish, Brass Wall Stop (Ives WS443/447).....	38.99	6.78
08 71 23 00-0504 EA 3-3/4" Projection, Rigid Type, Satin Brass Finish, Brass Wall Stop (Ives WS443/447).....	40.00	6.78
08 71 23 00-0505 EA 3-3/4" Projection, Rigid Type, Satin Nickel Finish, Brass Wall Stop (Ives WS443/447).....	40.00	6.78
08 71 23 00-0506 EA 3-3/4" Projection, Rigid Type, Satin Chrome Finish, Brass Wall Stop (Ives WS33).....	61.09	6.78
08 71 23 00-0507 Steel Wall Stops <small>(08 71 23 00-0481)</small>		
08 71 23 00-0508 EA 3" Projection, Residential Spring Type, Bright Brass Finish, Steel Wall Stop (Ives 63).....	9.48	4.52
08 71 23 00-0509 Hinge Pin Door Stops <small>(08 71 23 00-0422)</small>		
08 71 23 00-0510 Aluminum Hinge Pin Door Stops <small>(08 71 23 00-0509)</small>		
08 71 23 00-0511 EA Satin Aluminum Finish, Aluminum Hinge Pin Door Stop (Ives 70).....	19.39	9.04
08 71 23 00-0512 Brass Hinge Pin Door Stops <small>(08 71 23 00-0509)</small>		
08 71 23 00-0513 EA Satin Brass Finish, Brass Residential Hinge Pin Door Stop (Ives 72).....	19.63	9.04
08 71 23 00-0514 EA Satin Brass Finish, Brass Hinge Pin Door Stop (Ives 73).....	21.19	9.04
08 71 23 00-0515 EA Satin Chrome Finish, Brass Hinge Pin Door Stop (Ives 70).....	24.94	9.04
08 71 23 00-0516 EA Satin Brass Finish, Brass Hinge Pin Door Stop (Ives 70).....	24.94	9.04
08 71 23 00-0517 EA Bright Brass Finish, Brass Hinge Pin Door Stop (Ives 70).....	24.94	9.04
08 71 23 00-0518 EA Bright Chrome Finish, Brass Hinge Pin Door Stop (Ives 70).....	26.70	9.04
08 71 23 00-0519 EA Satin Bronze Finish, Brass Hinge Pin Door Stop (Ives 70).....	26.70	9.04
08 71 23 00-0520 EA Dark Bronze Finish, Brass Hinge Pin Door Stop (Ives 70).....	26.70	9.04
08 71 23 00-0521 EA Satin Nickel Finish, Brass Hinge Pin Door Stop (Ives 70).....	26.70	9.04
08 71 23 00-0522 Wall Bumpers <small>(08 71 23 00-0422)</small>		
08 71 23 00-0523 Brass Wall Bumpers <small>(08 71 23 00-0522)</small>		
08 71 23 00-0524 EA 2-1/2" Base Diameter, Convex Or Concave Rubber Insert, Satin Chrome Finish, Wrought Brass Wall Bumper (Ives WS406/407).....	25.05	11.31
08 71 23 00-0525 EA 2-1/2" Base Diameter, Convex Or Concave Rubber Insert, Satin Brass Finish, Wrought Brass Wall Bumper (Ives WS406/407).....	25.05	11.31
08 71 23 00-0526 EA 2-1/2" Base Diameter, Convex Or Concave Rubber Insert, Bright Brass Finish, Wrought Brass Wall Bumper (Ives WS406/407).....	25.05	11.31
08 71 23 00-0527 EA 2-1/2" Base Diameter, Convex Or Concave Rubber Insert, Bright Chrome Finish, Wrought Brass Wall Bumper (Ives WS406/407).....	25.27	11.31
08 71 23 00-0528 EA 2-1/2" Base Diameter, Convex Or Concave Rubber Insert, Satin Bronze Finish, Wrought Brass Wall Bumper (Ives WS406/407).....	25.27	11.31
08 71 23 00-0529 EA 2-1/2" Base Diameter, Convex Or Concave Rubber Insert, Dark Bronze Finish, Wrought Brass Wall Bumper (Ives WS406/407).....	25.27	11.31
08 71 23 00-0530 EA 2-1/2" Base Diameter, Convex Or Concave Rubber Insert, Satin Nickel Finish, Wrought Brass Wall Bumper (Ives WS406/407).....	25.27	11.31

08 Openings**08 70 Hardware****08 71 Door Hardware**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 23 00-0531 EA 2-1/2" Base Diameter, Convex Or Concave Rubber Insert, Bright Brass Finish, Cast Brass Wall Bumper (Ives WS401/402).....	32.48	11.31
08 71 23 00-0532 EA 2-1/2" Base Diameter, Convex Or Concave Rubber Insert, Satin Chrome Finish, Cast Brass Wall Bumper (Ives WS401/402).....	34.44	11.31
08 71 23 00-0533 EA 2-1/2" Base Diameter, Convex Or Concave Rubber Insert, Bright Chrome Finish, Cast Brass Wall Bumper (Ives WS401/402).....	34.44	11.31
08 71 23 00-0534 EA 2-1/2" Base Diameter, Convex Or Concave Rubber Insert, Satin Brass Finish, Cast Brass Wall Bumper (Ives WS401/402).....	34.44	11.31
08 71 23 00-0535 EA 2-1/2" Base Diameter, Convex Or Concave Rubber Insert, Satin Bronze Finish, Cast Brass Wall Bumper (Ives WS401/402).....	34.44	11.31
08 71 23 00-0536 EA 2-1/2" Base Diameter, Convex Or Concave Rubber Insert, Dark Bronze Finish, Cast Brass Wall Bumper (Ives WS401/402).....	34.44	11.31
08 71 23 00-0537 EA 2-1/2" Base Diameter, Convex Or Concave Rubber Insert, Satin Nickel Finish, Cast Brass Wall Bumper (Ives WS401/402).....	34.88	11.31
08 71 23 00-0538 Rubber Wall Bumpers (08 71 23 00-0522)		
08 71 23 00-0539 EA 1-7/8" Base Diameter, Adhesive-Backed, Concave Rubber Wall Bumper (Ives WS411R-W).....	24.27	11.31
08 71 23 00-0540 Holders (08 71 23 00-0421)		
08 71 23 00-0541 Plunger Type Door Holders (08 71 23 00-0540)		
08 71 23 00-0542 Aluminum Plunger Type Door Holders (08 71 23 00-0541)		
08 71 23 00-0543 EA Satin Aluminum Finish, Aluminum Plunger Type Door Holder (Ives FS1153)	42.23	6.78
08 71 23 00-0544 Brass Plunger Type Door Holders (08 71 23 00-0541)		
08 71 23 00-0545 EA Satin Chrome Finish, Brass Plunger Type Door Holder (Ives FS1154)	65.27	6.78
08 71 23 00-0546 EA Bright Chrome Finish, Brass Plunger Type Door Holder (Ives FS1154)	65.27	6.78
08 71 23 00-0547 EA Satin Brass Finish, Brass Plunger Type Door Holder (Ives FS1154)	65.27	6.78
08 71 23 00-0548 EA Bright Brass Finish, Brass Plunger Type Door Holder (Ives FS1154)	65.27	6.78
08 71 23 00-0549 EA Satin Bronze Finish, Brass Plunger Type Door Holder (Ives FS1154)	65.27	6.78
08 71 23 00-0550 EA Dark Bronze Finish, Brass Plunger Type Door Holder (Ives FS1154)	65.27	6.78
08 71 23 00-0551 EA Satin Nickel Finish, Brass Plunger Type Door Holder (Ives FS1154)	65.27	6.78
08 71 23 00-0552 Kick Down Door Holders (08 71 23 00-0540)		
08 71 23 00-0553 Aluminum Kick Down Door Holders (08 71 23 00-0552)		
08 71 23 00-0554 EA Satin Aluminum Finish, Aluminum Kick Down Door Holder (Ives FS455).....	18.24	6.78
08 71 23 00-0555 Brass Kick Down Door Holders (08 71 23 00-0552)		
08 71 23 00-0556 EA Satin Brass Finish, Brass Kick Down Door Holder (Ives FS455)	32.57	6.78
08 71 23 00-0557 EA Bright Brass Finish, Brass Kick Down Door Holder (Ives FS455)	32.57	6.78
08 71 23 00-0558 EA Satin Bronze Finish, Brass Kick Down Door Holder (Ives FS455)	32.57	6.78
08 71 23 00-0559 EA Satin Chrome Finish, Brass Kick Down Door Holder (Ives FS455)	36.31	6.78
08 71 23 00-0560 EA Bright Chrome Finish, Brass Kick Down Door Holder (Ives FS455).....	36.31	6.78
08 71 23 00-0561 EA Dark Bronze Finish, Brass Kick Down Door Holder (Ives FS455).....	36.31	6.78
08 71 23 00-0562 EA Satin Nickel Finish, Brass Kick Down Door Holder (Ives FS455).....	37.25	6.78
08 71 23 00-0563 Steel Kick Down Door Holders (08 71 23 00-0552)		
08 71 23 00-0564 EA Steel Kick Down Door Holder (Ives FS544)	21.13	6.78
08 71 23 00-0565 Floor Mounted Door Holders (08 71 23 00-0540)		
08 71 23 00-0566 Brass Floor Mounted Door Holders (08 71 23 00-0565)		
08 71 23 00-0567 EA Up To 1/2" Door To Floor Clearance, Satin Chrome Finish, Brass Floor Stop And Automatic Door Holder (Ives FS40).....	64.03	13.56
For >1/2" To 1-1/16" Door To Floor Clearance, Add	1.78	
For >1-1/16" To 1-9/16" Door To Floor Clearance, Add	10.53	
For >1-9/16" To 2-11/16" Door To Floor Clearance, Add	15.80	
08 71 23 00-0568 EA Up To 1/2" Door To Floor Clearance, Satin Brass Finish, Brass Floor Stop And Automatic Door Holder (Ives FS40).....	64.03	13.56
For >1/2" To 1-1/16" Door To Floor Clearance, Add	1.78	
For >1-1/16" To 1-9/16" Door To Floor Clearance, Add	10.53	
For >1-9/16" To 2-11/16" Door To Floor Clearance, Add	15.80	
08 71 23 00-0569 EA Up To 1/2" Door To Floor Clearance, Bright Chrome Finish, Brass Floor Stop And Automatic Door Holder (Ives FS40).....	76.45	13.56
For >1/2" To 1-1/16" Door To Floor Clearance, Add	1.78	
For >1-1/16" To 1-9/16" Door To Floor Clearance, Add	10.53	
For >1-9/16" To 2-11/16" Door To Floor Clearance, Add	15.80	
08 71 23 00-0570 EA Up To 1/2" Door To Floor Clearance, Bright Brass Finish, Brass Floor Stop And Automatic Door Holder (Ives FS40).....	76.45	13.56
For >1/2" To 1-1/16" Door To Floor Clearance, Add	1.78	
For >1-1/16" To 1-9/16" Door To Floor Clearance, Add	10.53	
For >1-9/16" To 2-11/16" Door To Floor Clearance, Add	15.80	



Openings	08	08
Hardware	08 70	
Door Hardware	08 71	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 23 00-0571 EA Up To 1/2" Door To Floor Clearance, Satin Bronze Finish, Brass Floor Stop And Automatic Door Holder (Ives FS40).....	76.45	13.56
For >1/2" To 1-1/16" Door To Floor Clearance, Add	1.78	
For >1-1/16" To 1-9/16" Door To Floor Clearance, Add	10.53	
For >1-9/16" To 2-11/16" Door To Floor Clearance, Add	15.80	
08 71 23 00-0572 EA Up To 1/2" Door To Floor Clearance, Dark Bronze Finish, Brass Floor Stop And Automatic Door Holder (Ives FS40).....	76.45	13.56
For >1/2" To 1-1/16" Door To Floor Clearance, Add	1.78	
For >1-1/16" To 1-9/16" Door To Floor Clearance, Add	10.53	
For >1-9/16" To 2-11/16" Door To Floor Clearance, Add	15.80	
08 71 23 00-0573 Wall Mounted Door Holders (08 71 23 00-0540)		
08 71 23 00-0574 Aluminum Wall Mounted Door Holders (08 71 23 00-0573)		
08 71 23 00-0575 EA 4" Projection, Rigid Type, Satin Aluminum Finish, Aluminum Wall Stop And Manual Door Holder (Ives WS20).....	53.16	7.92
08 71 23 00-0576 EA Wall Mounted, Satin Aluminum Finish, Aluminum Automatic Door Holder (Ives WS40).....	79.71	13.56
08 71 23 00-0577 Brass Wall Mounted Door Holders (08 71 23 00-0573)		
08 71 23 00-0578 EA 3-11/16" Projection, Rigid Type, Bright Brass Finish, Brass Wall Stop And Manual Door Holder (Ives WS445/449).....	49.39	7.92
08 71 23 00-0579 EA 3-11/16" Projection, Rigid Type, Satin Chrome Finish, Brass Wall Stop And Manual Door Holder (Ives WS445/449).....	56.13	7.92
08 71 23 00-0580 EA 3-11/16" Projection, Rigid Type, Bright Chrome Finish, Brass Wall Stop And Manual Door Holder (Ives WS445/449).....	56.13	7.92
08 71 23 00-0581 EA 3-11/16" Projection, Rigid Type, Satin Brass Finish, Brass Wall Stop And Manual Door Holder (Ives WS445/449).....	56.13	7.92
08 71 23 00-0582 EA 3-11/16" Projection, Rigid Type, Satin Chrome Finish, Brass Wall Stop And Manual Door Holder (Ives WS445/449).....	56.13	7.92
08 71 23 00-0583 EA 3-11/16" Projection, Rigid Type, Dark Bronze Finish, Brass Wall Stop And Manual Door Holder (Ives WS445/449).....	56.13	7.92
08 71 23 00-0584 EA 3-11/16" Projection, Rigid Type, Satin Nickel Finish, Brass Wall Stop And Manual Door Holder (Ives WS445/449).....	57.71	7.92
08 71 23 00-0585 EA 4" Projection, Rigid Type, Satin Chrome Finish, Brass Wall Stop And Manual Door Holder (Ives WS20).....	55.03	7.92
08 71 23 00-0586 EA 4" Projection, Rigid Type, Bright Chrome Finish, Brass Wall Stop And Manual Door Holder (Ives WS20).....	64.22	7.92
08 71 23 00-0587 EA 4" Projection, Rigid Type, Satin Brass Finish, Brass Wall Stop And Manual Door Holder (Ives WS20).....	64.22	7.92
08 71 23 00-0588 EA 4" Projection, Rigid Type, Bright Brass Finish, Brass Wall Stop And Manual Door Holder (Ives WS20).....	64.22	7.92
08 71 23 00-0589 EA 4" Projection, Rigid Type, Satin Bronze Finish, Brass Wall Stop And Manual Door Holder (Ives WS20).....	64.22	7.92
08 71 23 00-0590 EA 4" Projection, Rigid Type, Dark Bronze Finish, Brass Wall Stop And Manual Door Holder (Ives WS20).....	64.22	7.92
08 71 23 00-0591 EA Wall Mounted, Satin Chrome Finish, Brass Automatic Door Holder (Ives WS40).....	88.88	13.56
08 71 23 00-0592 EA Wall Mounted, Bright Chrome Finish, Brass Automatic Door Holder (Ives WS40).....	93.01	13.56
08 71 23 00-0593 EA Wall Mounted, Satin Brass Finish, Brass Automatic Door Holder (Ives WS40).....	93.01	13.56
08 71 23 00-0594 EA Wall Mounted, Bright Brass Finish, Brass Automatic Door Holder (Ives WS40).....	93.01	13.56
08 71 23 00-0595 EA Wall Mounted, Satin Bronze Finish, Brass Automatic Door Holder (Ives WS40).....	93.01	13.56
08 71 23 00-0596 EA Wall Mounted, Dark Bronze Finish, Brass Automatic Door Holder (Ives WS40).....	93.01	13.56
08 71 23 00-0597 Overhead Door Holders (08 71 23 00-0540)		
08 71 23 00-0598 Surface Mounted, Overhead Door Holders (08 71 23 00-0597)		
08 71 23 00-0599 EA Surface Mounted, Aluminum Finish, Overhead Door Holder/Stop Without Hold Open (Glynn Johnson 81).....	278.65	22.60
For Hold Open, Add	27.16	
08 71 23 00-0600 EA Surface Mounted, Dark Bronze Finish, Overhead Door Holder/Stop Without Hold Open (Glynn Johnson 81).....	313.32	22.60
For Hold Open, Add	32.16	
08 71 23 00-0601 EA Surface Mounted, Polished Brass Finish, Overhead Door Holder/Stop Without Hold Open (Glynn Johnson 81).....	313.32	22.60
For Hold Open, Add	32.16	
08 71 23 00-0602 EA Surface Mounted, Polished Chrome Finish, Overhead Door Holder/Stop Without Hold Open (Glynn Johnson 81).....	313.32	22.60
For Hold Open, Add	32.16	
08 71 23 00-0603 EA Surface Mounted, Stainless Steel Finish, Overhead Door Holder/Stop Without Hold Open (Glynn Johnson 81).....	312.14	22.60
For Hold Open, Add	31.99	
08 71 23 00-0604 Heavy Duty, Surface Mounted, Overhead Door Holders (08 71 23 00-0597)		
Note: With or without hold open feature.		
08 71 23 00-0605 EA Heavy Duty, Surface Mounted, Aluminum Finish, Overhead Door Holder/Stop (Glynn Johnson 90).....	226.29	22.60
08 71 23 00-0606 EA Heavy Duty, Surface Mounted, Stainless Steel Finish, Overhead Door Holder/Stop (Glynn Johnson 90).....	309.07	22.60
08 71 23 00-0607 EA Heavy Duty, Surface Mounted, Dark Bronze Finish, Overhead Door Holder/Stop (Glynn Johnson 90).....	345.16	22.60
08 71 23 00-0608 EA Heavy Duty, Surface Mounted, Polished Brass Finish, Overhead Door Holder/Stop (Glynn Johnson 90).....	345.16	22.60
08 71 23 00-0609 EA Heavy Duty, Surface Mounted, Polished Chrome Finish, Overhead Door Holder/Stop (Glynn Johnson 90).....	345.16	22.60
08 71 23 00-0610 Concealed Mounted, Overhead Door Holders (08 71 23 00-0597)		
Note: With or without hold open feature.		
08 71 23 00-0611 EA Concealed Mounted, Aluminum Finish, Overhead Door Holder/Stop (Glynn Johnson 100).....	300.35	22.60
08 71 23 00-0612 EA Concealed Mounted, Stainless Steel Finish, Overhead Door Holder/Stop (Glynn Johnson 100).....	300.35	22.60
08 71 23 00-0613 EA Concealed Mounted, Dark Bronze Finish, Overhead Door Holder/Stop (Glynn Johnson 100).....	314.50	22.60
08 71 23 00-0614 EA Concealed Mounted, Polished Brass Finish, Overhead Door Holder/Stop (Glynn Johnson 100).....	326.53	22.60
08 71 23 00-0615 EA Concealed Mounted, Polished Chrome Finish, Overhead Door Holder/Stop (Glynn Johnson 100).....	326.53	22.60
08 71 23 00-0616 Silencers (08 71 23 00-0421)		
08 71 23 00-0617 EA Replacement Rubber Door Silencers.....	1.27	0.90
Note: For repair / maintenance only. This task is not to be used in conjunction with new door or frame installations.		

08 Openings**08 70 Hardware****08 71 Door Hardware**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 23 00-0618 Bolts (08 71 23 00-0421)		
08 71 23 00-0619 Brass Surface Bolts (08 71 23 00-0618)		
08 71 23 00-0620 EA 8" Length, Satin Chrome Finish, Brass Surface Bolt With Strike (Ives SB1640).....	87.98	11.31
08 71 23 00-0621 EA 8" Length, Bright Brass Finish, Brass Surface Bolt With Strike (Ives SB1640).....	93.43	11.31
08 71 23 00-0622 EA 8" Length, Dark Bronze Finish, Brass Surface Bolt With Strike (Ives SB1640).....	93.43	11.31
08 71 23 00-0623 Steel Surface Bolts (08 71 23 00-0618)		
08 71 23 00-0624 EA 8" Length, Zinc Plated Finish, Steel Surface Bolt With Strike (Ives SB453).....	45.76	11.31
08 71 23 00-0625 EA 8" Length, Bright Brass Finish, Steel Surface Bolt With Strike (Ives SB453).....	45.76	11.31
08 71 23 00-0626 EA 8" Length, Satin Brass Finish, Steel Surface Bolt With Strike (Ives SB453).....	45.76	11.31
08 71 23 00-0627 EA 8" Length, Satin Bronze Finish, Steel Surface Bolt With Strike (Ives SB453).....	50.53	11.31
08 71 23 00-0628 EA 8" Length, Satin Chrome Finish, Steel Surface Bolt With Strike (Ives SB453).....	51.21	11.31
08 71 23 00-0629 EA 8" Length, Dark Bronze Finish, Steel Surface Bolt With Strike (Ives SB453).....	52.57	11.31
08 71 23 00-0630 EA 12" Length, Zinc Plated Finish, Steel Surface Bolt With Strike (Ives SB453).....	51.88	11.31
08 71 23 00-0631 EA 12" Length, Satin Bronze Finish, Steel Surface Bolt With Strike (Ives SB453).....	53.93	11.31
08 71 23 00-0632 EA 12" Length, Dark Bronze Finish, Steel Surface Bolt With Strike (Ives SB453).....	56.66	11.31
08 71 23 00-0633 EA 12" Length, Satin Chrome Finish, Steel Surface Bolt With Strike (Ives SB453).....	58.70	11.31
08 71 23 00-0634 EA 12" Length, Zinc Plated Finish, Steel Surface Bolt With Strike (Ives SB360).....	85.94	11.31
08 71 23 00-0635 Door Viewer (08 71 23 00-0421)		
08 71 23 00-0636 Brass Door Viewer (08 71 23 00-0635)		
08 71 23 00-0637 EA 120 Degree Angle Of View, Satin Chrome Finish, Brass One-Way Door Viewer (Ives U700).....	29.10	11.31
08 71 23 00-0638 EA 120 Degree Angle Of View, Satin Brass Finish, Brass One-Way Door Viewer (Ives U700).....	29.10	11.31
08 71 23 00-0639 EA 120 Degree Angle Of View, Dark Bronze Finish, Brass One-Way Door Viewer (Ives U700).....	29.10	11.31
08 71 23 00-0640 EA 150 Degree Angle Of View, Satin Chrome Finish, Brass One-Way Door Viewer (Ives U696).....	32.14	11.31
08 71 23 00-0641 EA 150 Degree Angle Of View, Dark Bronze Finish, Brass One-Way Door Viewer (Ives U696).....	32.14	11.31
08 71 23 00-0642 EA 150 Degree Angle Of View, Satin Brass Finish, Brass One-Way Door Viewer (Ives U696).....	32.14	11.31
08 71 23 00-0643 EA 190 Degree Angle Of View, Satin Chrome Finish, Brass One-Way Wide Angle Door Viewer (Ives U698).....	35.89	11.31
08 71 23 00-0644 EA 190 Degree Angle Of View, Bright Brass Finish, Brass One-Way Wide Angle Door Viewer (Ives U698).....	35.89	11.31
08 71 23 00-0645 Door Knockers (08 71 23 00-0421)		
08 71 23 00-0646 Brass Door Knockers (08 71 23 00-0645)		
08 71 23 00-0647 EA 5-15/16" Length, 3" Width, Bright Brass Finish, Brass Door Knocker (Ives 3125).....	38.49	11.31
08 71 23 00-0648 EA 5-15/16" Length, 3" Width, Satin Chrome Finish, Brass Door Knocker (Ives 3125).....	41.37	11.31
08 71 23 00-0649 EA 5-15/16" Length, 3" Width, Bright Chrome Finish, Brass Door Knocker (Ives 3125).....	41.37	11.31
08 71 23 00-0650 EA 5-15/16" Length, 3" Width, Satin Nickel Finish, Brass Door Knocker (Ives 3125).....	41.37	11.31
08 71 23 00-0651 EA 8-1/2" Length, 4-1/8" Width, Bright Brass Finish, Brass Door Knocker (Ives 3107).....	52.34	11.31
08 71 23 00-0652 EA 8-1/2" Length, 4-1/8" Width, Satin Nickel Finish, Brass Door Knocker (Ives 3107).....	59.31	11.31
08 71 23 00-0653 Hasps (08 71 23 00-0421)		
08 71 23 00-0654 EA 3-1/4", Zinc Plated Finish, Steel Hasp Assembly.....	21.00	8.53
08 71 23 00-0655 EA 4-1/2", Zinc Plated Finish, Steel Hasp Assembly.....	22.35	9.04
08 71 23 00-0656 EA 6", Zinc Plated Finish, Steel Hasp Assembly.....	27.26	10.17
08 71 23 00-0657 EA 6", Zinc Plated Finish, Steel High Security Hasp Assembly.....	84.32	12.21
08 71 23 00-0658 Flush Bolts (08 71 23 00-0421)		
08 71 23 00-0659 Flush Bolts For Metal Doors (08 71 23 00-0658)		
08 71 23 00-0660 Brass Flush Bolts For Metal Doors (08 71 23 00-0659)		
08 71 23 00-0661 Manual, Brass Flush Bolts For Metal Doors (08 71 23 00-0660)		
Note: Includes brass construction with bright brass, satin brass, satin bronze, dark bronze, satin nickel, bright chrome or satin chrome finish.		
08 71 23 00-0662 EA Top Or Bottom Bolt, Manual, Brass Flush Bolt For Metal Doors (Ives FB457/458).....	37.59	11.31
08 71 23 00-0663 Automatic, Brass Flush Bolts For Metal Doors (08 71 23 00-0660)		
Note: Includes brass construction with bright brass, satin brass, satin bronze or dark bronze finish.		
08 71 23 00-0664 EA Top Bolt Only, Automatic, Brass Flush Bolt For Metal Doors (Ives FB31T).....	76.94	11.31
08 71 23 00-0665 EA Bottom Bolt Only, Automatic, Brass Flush Bolt For Metal Doors (Ives FB31B).....	76.94	11.31
08 71 23 00-0666 EA Top And Bottom Bolt, Automatic, Brass Flush Bolt For Metal Doors (Ives FB31P).....	139.15	18.09
08 71 23 00-0667 EA Top Bolt With Auxiliary Fire Latch, Automatic, Brass Flush Bolt For Metal Doors (Ives FB32).....	134.63	15.82
08 71 23 00-0668 EA Top Bolt With Auxiliary Fire Latch And Retrofit Plate, Automatic, Brass Flush Bolt For Metal Doors (Ives FB33).....	140.29	16.96
08 71 23 00-0669 Constant Latching, Brass Flush Bolts For Metal Doors (08 71 23 00-0660)		
Note: Includes brass construction with bright brass, satin brass, satin bronze or dark bronze finish.		
08 71 23 00-0670 EA Top Bolt Only, Constant Latching, Brass Flush Bolt For Metal Doors (Ives FB51T).....	76.34	11.31
08 71 23 00-0671 EA Top And Bottom Bolt, Constant Latching, Brass Flush Bolt For Metal Doors (Ives FB51P).....	139.15	18.09
08 71 23 00-0672 EA Top Bolt With Auxiliary Fire Latch, Constant Latching, Brass Flush Bolt For Metal Doors (Ives FB52).....	134.63	15.82
08 71 23 00-0673 EA Top Bolt With Auxiliary Fire Latch And Retrofit Plate, Constant Latching, Brass Flush Bolt For Metal Doors (Ives FB53).....	140.29	16.96



Openings	08	08
Hardware	08 70	
Door Hardware	08 71	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 23 00-0674	Stainless Steel Flush Bolts For Metal Doors (08 71 23 00-0659)	
08 71 23 00-0675	Automatic, Stainless Steel Flush Bolts For Metal Doors (08 71 23 00-0674) Note: Includes stainless steel construction with bright or satin finish.	
08 71 23 00-0676	EA Top Bolt Only, Automatic, Stainless Steel Flush Bolt For Metal Doors (Ives FB31T)	76.94 11.31
08 71 23 00-0677	EA Bottom Bolt Only, Automatic, Stainless Steel Flush Bolt For Metal Doors (Ives FB31B)	76.94 11.31
08 71 23 00-0678	EA Top And Bottom Bolt, Automatic, Stainless Steel Flush Bolt For Metal Doors (Ives FB31P)	139.15 18.09
08 71 23 00-0679	EA Top Bolt With Auxiliary Fire Latch, Automatic, Stainless Steel Flush Bolt For Metal Doors (Ives FB32)	134.63 15.82
08 71 23 00-0680	EA Top Bolt With Auxiliary Fire Latch And Retrofit Plate, Automatic, Stainless Steel Flush Bolt For Metal Doors (Ives FB33)	140.29 16.96
08 71 23 00-0681	Constant Latching, Stainless Steel Flush Bolts For Metal Doors (08 71 23 00-0674) Note: Includes stainless steel construction with bright or satin finish.	
08 71 23 00-0682	EA Top Bolt Only, Constant Latching, Stainless Steel Flush Bolt For Metal Doors (Ives FB51T)	76.34 11.31
08 71 23 00-0683	EA Top And Bottom Bolt, Constant Latching, Stainless Steel Flush Bolt For Metal Doors (Ives FB51P)	139.15 18.09
08 71 23 00-0684	EA Top Bolt With Auxiliary Fire Latch, Constant Latching, Stainless Steel Flush Bolt For Metal Doors (Ives FB52)	134.63 15.82
08 71 23 00-0685	EA Top Bolt With Auxiliary Fire Latch And Retrofit Plate, Constant Latching, Stainless Steel Flush Bolt For Metal Doors (Ives FB53)	140.29 16.96
08 71 23 00-0686	Flush Bolts For Wood Doors (08 71 23 00-0658)	
08 71 23 00-0687	Brass Flush Bolts For Wood Doors (08 71 23 00-0686)	
08 71 23 00-0688	Manual, Brass Flush Bolts For Wood Doors (08 71 23 00-0687) Note: Includes brass construction with bright brass, satin brass, satin bronze, dark bronze, satin nickel, bright chrome or satin chrome finish.	
08 71 23 00-0689	EA Top Or Bottom Bolt, Manual, Brass Flush Bolt For Wood Doors (Ives FB358)	42.68 11.31
08 71 23 00-0690	Automatic, Brass Flush Bolts For Wood Doors (08 71 23 00-0687) Note: Includes brass construction with bright brass, satin brass, satin bronze or dark bronze finish.	
08 71 23 00-0691	EA Top Bolt Only, Automatic, Brass Flush Bolt For Wood Doors (Ives FB41T)	79.60 11.31
08 71 23 00-0692	EA Bottom Bolt Only, Automatic, Brass Flush Bolt For Metal Doors (Ives FB41B)	79.60 11.31
08 71 23 00-0693	EA Top And Bottom Bolt, Automatic, Brass Flush Bolt For Wood Doors (Ives FB41P)	144.87 18.09
08 71 23 00-0694	EA Top Bolt With Auxiliary Fire Latch, Automatic, Brass Flush Bolt For Wood Doors (Ives FB42)	140.35 15.82
08 71 23 00-0695	Constant Latching, Brass Flush Bolts For Wood Doors (08 71 23 00-0687) Note: Includes brass construction with bright brass, satin brass, satin bronze or dark bronze finish.	
08 71 23 00-0696	EA Top Bolt Only, Constant Latching, Brass Flush Bolt For Wood Doors (Ives FB61T)	79.06 11.31
08 71 23 00-0697	EA Top And Bottom Bolt, Constant Latching, Brass Flush Bolt For Wood Doors (Ives FB61P)	144.87 18.09
08 71 23 00-0698	EA Top Bolt With Auxiliary Fire Latch, Constant Latching, Brass Flush Bolt For Wood Doors (Ives FB62)	140.35 15.82
08 71 23 00-0699	Stainless Steel Flush Bolts For Wood Doors (08 71 23 00-0686)	
08 71 23 00-0700	Automatic, Stainless Steel Flush Bolts For Wood Doors (08 71 23 00-0699) Note: Includes stainless steel construction with bright or satin finish.	
08 71 23 00-0701	EA Top Bolt Only, Automatic, Stainless Steel Flush Bolt For Wood Doors (Ives FB41T)	79.60 11.31
08 71 23 00-0702	EA Bottom Bolt Only, Automatic, Stainless Steel Flush Bolt For Metal Doors (Ives FB41B)	79.60 11.31
08 71 23 00-0703	EA Top And Bottom Bolt, Automatic, Stainless Steel Flush Bolt For Wood Doors (Ives FB41P)	144.87 18.09
08 71 23 00-0704	EA Top Bolt With Auxiliary Fire Latch, Automatic, Stainless Steel Flush Bolt For Wood Doors (Ives FB42)	140.35 15.82
08 71 23 00-0705	Constant Latching, Stainless Steel Flush Bolts For Wood Doors (08 71 23 00-0699) Note: Includes stainless steel construction with bright or satin finish.	
08 71 23 00-0706	EA Top Bolt Only, Constant Latching, Stainless Steel Flush Bolt For Wood Doors (Ives FB61T)	79.06 11.31
08 71 23 00-0707	EA Top And Bottom Bolt, Constant Latching, Stainless Steel Flush Bolt For Wood Doors (Ives FB61P)	144.87 18.09
08 71 23 00-0708	EA Top Bolt With Auxiliary Fire Latch, Constant Latching, Stainless Steel Flush Bolt For Wood Doors (Ives FB62)	140.35 15.82
08 71 23 00-0709	Dust Proof Strikes (08 71 23 00-0658)	
08 71 23 00-0710	EA Satin Brass Finish, Brass Dust Proof Strike (Ives DP1)	32.67 9.04
08 71 23 00-0711	EA Satin Chrome Finish, Brass Dust Proof Strike (Ives DP1)	32.67 9.04
08 71 23 00-0712	EA Bright Brass Finish, Brass Dust Proof Strike (Ives DP1)	32.67 9.04
08 71 23 00-0713	EA Satin Bronze Finish, Brass Dust Proof Strike (Ives DP1)	32.67 9.04
08 71 23 00-0714	EA Dark Bronze Finish, Brass Dust Proof Strike (Ives DP1)	32.67 9.04
08 71 23 00-0715	EA Satin Bronze Finish, Brass Dust Proof Strike With Plate (Ives DP2)	36.48 9.04
08 71 23 00-0716	EA Satin Chrome Finish, Brass Dust Proof Strike With Plate (Ives DP2)	36.48 9.04
08 71 23 00-0717	EA Satin Brass Finish, Brass Dust Proof Strike With Plate (Ives DP2)	36.48 9.04
08 71 23 00-0718	EA Bright Brass Finish, Brass Dust Proof Strike With Plate (Ives DP2)	36.48 9.04
08 71 23 00-0719	EA Dark Bronze Finish, Brass Dust Proof Strike With Plate (Ives DP2)	36.48 9.04
08 71 23 00-0720	Roller Bumpers (08 71 23 00-0421)	
08 71 23 00-0721	Brass Roller Bumpers (08 71 23 00-0720)	
08 71 23 00-0722	EA 5" Length, Bright Brass Finish, Brass Offset Arm Roller Bumper (Ives RB470)	31.84 6.78
08 71 23 00-0723	EA 5" Length, Satin Chrome Finish, Brass Offset Arm Roller Bumper (Ives RB470)	36.39 6.78

08 Openings**08 70 Hardware****08 71 Door Hardware**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	
08 71 23 00-0724	EA	5" Length, Bright Chrome Finish, Brass Offset Arm Roller Bumper (Ives RB470)	36.39		6.78
08 71 23 00-0725	EA	4-1/2" Length, Bright Brass Finish, Brass Straight Arm Roller Bumper (Ives RB471)	30.81		6.78
08 71 23 00-0726	EA	4-1/2" Length, Satin Chrome Finish, Brass Straight Arm Roller Bumper (Ives RB471)	34.28		6.78
08 71 23 00-0727	EA	4-1/2" Length, Bright Chrome Finish, Brass Straight Arm Roller Bumper (Ives RB471)	34.28		6.78
08 71 23 00-0728	EA	4-1/2" Length, Satin Brass Finish, Brass Straight Arm Roller Bumper (Ives RB471)	34.28		6.78
08 71 23 00-0729	EA	6" Length, Bright Brass Finish, Brass Straight Arm Roller Bumper (Ives RB472)	31.91		6.78
08 71 23 00-0730	EA	6" Length, Satin Nickel Finish, Brass Straight Arm Roller Bumper (Ives RB472)	34.36		6.78
08 71 23 00-0731	EA	6" Length, Satin Chrome Finish, Brass Straight Arm Roller Bumper (Ives RB472)	35.52		6.78
08 71 23 00-0732	EA	6" Length, Bright Chrome Finish, Brass Straight Arm Roller Bumper (Ives RB472)	35.52		6.78
08 71 23 00-0733	EA	6" Length, Satin Brass Finish, Brass Straight Arm Roller Bumper (Ives RB472)	35.52		6.78
08 71 23 00-0734	EA	6" Length, Satin Bronze Finish, Brass Straight Arm Roller Bumper (Ives RB472)	35.52		6.78
08 71 23 00-0735	EA	6" Length, Dark Bronze Finish, Brass Straight Arm Roller Bumper (Ives RB472)	35.52		6.78
08 71 23 00-0736		Other Door Trim (08 71 23 00-0421)			
08 71 23 00-0737		Coat And Hat Hooks (08 71 23 00-0736)			
08 71 23 00-0738		Aluminum Coat And Hat Hooks (08 71 23 00-0737)			
08 71 23 00-0739	EA	1-1/4" Height, 1-1/4" Width, Bright Brass Finish, Aluminum Wardrobe Hook (Ives 581)	15.06		6.78
08 71 23 00-0740	EA	1-1/4" Height, 1-1/4" Width, Aluminum Finish, Aluminum Wardrobe Hook (Ives 581)	15.06		6.78
08 71 23 00-0741	EA	1-1/4" Height, 1-1/4" Width, Satin Nickel Finish, Aluminum Wardrobe Hook (Ives 581)	15.14		6.78
08 71 23 00-0742	EA	1-3/4" Height, 1-1/4" Width, Satin Bronze Finish, Aluminum Coat And Hat Hook (Ives 571)	15.00		6.78
08 71 23 00-0743	EA	1-3/4" Height, 1-1/4" Width, Bright Brass Finish, Aluminum Coat And Hat Hook (Ives 571)	15.00		6.78
08 71 23 00-0744	EA	1-3/4" Height, 1-1/4" Width, Aluminum Finish, Aluminum Coat And Hat Hook (Ives 571)	15.00		6.78
08 71 23 00-0745	EA	1-3/4" Height, 1-1/4" Width, Satin Nickel Finish, Aluminum Coat And Hat Hook (Ives 571)	15.14		6.78
08 71 23 00-0746	EA	1-1/2" Height, 2-1/2" Width, Satin Brass Finish, Aluminum Coat And Hat Hook (Ives 405)	15.57		6.78
08 71 23 00-0747	EA	1-1/2" Height, 2-1/2" Width, Bright Brass Finish, Aluminum Coat And Hat Hook (Ives 405)	15.57		6.78
08 71 23 00-0748	EA	1-1/2" Height, 2-1/2" Width, Satin Bronze Finish, Aluminum Coat And Hat Hook (Ives 405)	15.57		6.78
08 71 23 00-0749	EA	1-1/2" Height, 2-1/2" Width, Dark Bronze Finish, Aluminum Coat And Hat Hook (Ives 405)	15.57		6.78
08 71 23 00-0750	EA	1-1/2" Height, 2-1/2" Width, Aluminum Finish, Aluminum Coat And Hat Hook (Ives 405)	15.57		6.78
08 71 23 00-0751		Brass Coat And Hat Hooks (08 71 23 00-0737)			
08 71 23 00-0752	EA	1-1/4" Height, 1-1/4" Width, Bright Brass Finish, Brass Wardrobe Hook (Ives 581)	17.37		6.78
08 71 23 00-0753	EA	1-1/4" Height, 1-1/4" Width, Satin Brass Finish, Brass Wardrobe Hook (Ives 581)	17.60		6.78
08 71 23 00-0754	EA	1-1/4" Height, 1-1/4" Width, Dark Bronze Finish, Brass Wardrobe Hook (Ives 581)	17.95		6.78
08 71 23 00-0755	EA	1-1/4" Height, 1-1/4" Width, Satin Chrome Finish, Brass Wardrobe Hook (Ives 581)	17.95		6.78
08 71 23 00-0756	EA	1-1/4" Height, 1-1/4" Width, Satin Nickel Finish, Brass Wardrobe Hook (Ives 581)	18.17		6.78
08 71 23 00-0757	EA	1-3/4" Height, 1-1/4" Width, Bright Brass Finish, Brass Coat And Hat Hook (Ives 571)	18.89		6.78
08 71 23 00-0758	EA	1-3/4" Height, 1-1/4" Width, Satin Brass Finish, Brass Coat And Hat Hook (Ives 571)	19.91		6.78
08 71 23 00-0759	EA	1-3/4" Height, 1-1/4" Width, Dark Bronze Finish, Brass Coat And Hat Hook (Ives 571)	19.91		6.78
08 71 23 00-0760	EA	1-3/4" Height, 1-1/4" Width, Satin Chrome Finish, Brass Coat And Hat Hook (Ives 571)	19.91		6.78
08 71 23 00-0761	EA	1-3/4" Height, 1-1/4" Width, Satin Nickel Finish, Brass Coat And Hat Hook (Ives 571)	20.13		6.78
08 71 23 00-0762		Door Plates And Pulls (08 71 23)			
08 71 23 00-0763		Kick Plate (08 71 23 00-0762) Note: Ives 8400.			
08 71 23 00-0764		Aluminum Base Material Kick Plate (08 71 23 00-0763)			
08 71 23 00-0765		Satin Aluminum Finish, Aluminum Kick Plate (08 71 23 00-0764)			
08 71 23 00-0766	EA	8" x 22", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	38.39		6.78
		For Four Beveled Edges, Add	1.76		
		For Counter Sink Holes, Add	5.60		
		For UL Label (Fire Rated), Add	9.80		
08 71 23 00-0767	EA	8" x 24", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	39.43		6.78
		For Four Beveled Edges, Add	1.76		
		For Counter Sink Holes, Add	5.60		
		For UL Label (Fire Rated), Add	9.80		
08 71 23 00-0768	EA	8" x 26", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	40.44		6.78
		For Four Beveled Edges, Add	1.76		
		For Counter Sink Holes, Add	5.60		
		For UL Label (Fire Rated), Add	9.80		
08 71 23 00-0769	EA	8" x 28", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	41.47		6.78
		For Four Beveled Edges, Add	1.76		
		For Counter Sink Holes, Add	5.60		
		For UL Label (Fire Rated), Add	9.80		
08 71 23 00-0770	EA	8" x 30", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	44.32		7.23
		For Four Beveled Edges, Add	1.76		
		For Counter Sink Holes, Add	5.60		
		For UL Label (Fire Rated), Add	9.80		
08 71 23 00-0771	EA	8" x 32", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	45.32		7.23
		For Four Beveled Edges, Add	1.76		
		For Counter Sink Holes, Add	5.60		
		For UL Label (Fire Rated), Add	9.80		
08 71 23 00-0772	EA	8" x 34", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	46.36		7.23
		For Four Beveled Edges, Add	1.76		
		For Counter Sink Holes, Add	5.60		
		For UL Label (Fire Rated), Add	9.80		



Openings	08	08
Hardware	08 70	
Door Hardware	08 71	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 23 00-0773	EA		8" x 36", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	47.37 1.76 5.60 9.80	7.23
08 71 23 00-0774	EA		8" x 38", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	50.20 1.76 5.60 9.80	7.69
08 71 23 00-0775	EA		8" x 40", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	51.22 1.76 5.60 9.80	7.69
08 71 23 00-0776	EA		8" x 42", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	52.24 1.76 5.60 9.80	7.69
08 71 23 00-0777	EA		8" x 44", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	55.09 1.76 5.60 9.80	8.14
08 71 23 00-0778	EA		8" x 46", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	56.11 1.76 5.60 9.80	8.14
08 71 23 00-0779	EA		8" x 48", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	57.13 1.76 5.60 9.80	8.14
08 71 23 00-0780	EA		10" x 22", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	41.22 1.76 5.60 9.80	6.78
08 71 23 00-0781	EA		10" x 24", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	42.51 1.76 5.60 9.80	6.78
08 71 23 00-0782	EA		10" x 26", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	43.77 1.76 5.60 9.80	6.78
08 71 23 00-0783	EA		10" x 28", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	45.06 1.76 5.60 9.80	6.78
08 71 23 00-0784	EA		10" x 30", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	48.15 1.76 5.60 9.80	7.23
08 71 23 00-0785	EA		10" x 32", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	49.42 1.76 5.60 9.80	7.23
08 71 23 00-0786	EA		10" x 34", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	50.71 1.76 5.60 9.80	7.23
08 71 23 00-0787	EA		10" x 36", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	51.98 1.76 5.60 9.80	7.23
08 71 23 00-0788	EA		10" x 38", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	55.07 1.76 5.60 9.80	7.69
08 71 23 00-0789	EA		10" x 40", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	56.34 1.76 5.60 9.80	7.69
08 71 23 00-0790	EA		10" x 42", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	57.63 1.76 5.60 9.80	7.69
08 71 23 00-0791	EA		10" x 44", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	60.72 1.76 5.60 9.80	8.14
08 71 23 00-0792	EA		10" x 46", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	61.99 1.76 5.60 9.80	8.14
08 71 23 00-0793	EA		10" x 48", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	63.27 1.76 5.60 9.80	8.14

08 Openings**08 70 Hardware****08 71 Door Hardware**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 23 00-0794	EA		12" x 22", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	44.04	6.78
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 23 00-0795	EA		12" x 24", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	45.56	6.78
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 23 00-0796	EA		12" x 26", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	47.12	6.78
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 23 00-0797	EA		12" x 28", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	48.63	6.78
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 23 00-0798	EA		12" x 30", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	51.98	7.23
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 23 00-0799	EA		12" x 32", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	53.52	7.23
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 23 00-0800	EA		12" x 34", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	55.05	7.23
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 23 00-0801	EA		12" x 36", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	56.59	7.23
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 23 00-0802	EA		12" x 38", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	59.93	7.69
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 23 00-0803	EA		12" x 40", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	61.46	7.69
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 23 00-0804	EA		12" x 42", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	63.01	7.69
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 23 00-0805	EA		12" x 44", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	66.35	8.14
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 23 00-0806	EA		12" x 46", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	67.88	8.14
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 23 00-0807	EA		12" x 48", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	69.43	8.14
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 23 00-0808	EA		14" x 22", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	48.65	7.23
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 23 00-0809	EA		14" x 24", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	50.44	7.23
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 23 00-0810	EA		14" x 26", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	52.25	7.23
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 23 00-0811	EA		14" x 28", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	54.05	7.23
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 23 00-0812	EA		14" x 30", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	57.63	7.69
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 23 00-0813	EA		14" x 32", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	59.42	7.69
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 23 00-0814	EA		14" x 34", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	61.21	7.69
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	



Openings	08	08
Hardware	08 70	
Door Hardware	08 71	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 23 00-0815	EA		14" x 36", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	63.01 1.76 5.60 9.80	7.69
08 71 23 00-0816	EA		14" x 38", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	66.61 1.76 5.60 9.80	8.14
08 71 23 00-0817	EA		14" x 40", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	68.39 1.76 5.60 9.80	8.14
08 71 23 00-0818	EA		14" x 42", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	70.18 1.76 5.60 9.80	8.14
08 71 23 00-0819	EA		14" x 44", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	73.78 1.76 5.60 9.80	8.59
08 71 23 00-0820	EA		14" x 46", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	75.59 1.76 5.60 9.80	8.59
08 71 23 00-0821	EA		14" x 48", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	77.38 1.76 5.60 9.80	8.59
08 71 23 00-0822	EA		16" x 22", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	51.48 1.76 5.60 9.80	7.23
08 71 23 00-0823	EA		16" x 24", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	53.52 1.76 5.60 9.80	7.23
08 71 23 00-0824	EA		16" x 26", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	55.58 1.76 5.60 9.80	7.23
08 71 23 00-0825	EA		16" x 28", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	57.62 1.76 5.60 9.80	7.23
08 71 23 00-0826	EA		16" x 30", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	59.42 1.76 5.60 9.80	7.69
08 71 23 00-0827	EA		16" x 32", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	63.52 1.76 5.60 9.80	7.69
08 71 23 00-0828	EA		16" x 34", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	65.58 1.76 5.60 9.80	7.69
08 71 23 00-0829	EA		16" x 36", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	67.62 1.76 5.60 9.80	7.69
08 71 23 00-0830	EA		16" x 38", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	71.47 1.76 5.60 9.80	8.14
08 71 23 00-0831	EA		16" x 40", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	73.53 1.76 5.60 9.80	8.14
08 71 23 00-0832	EA		16" x 42", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	75.57 1.76 5.60 9.80	8.14
08 71 23 00-0833	EA		16" x 44", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	79.42 1.76 5.60 9.80	8.59
08 71 23 00-0834	EA		16" x 46", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	81.47 1.76 5.60 9.80	8.59
08 71 23 00-0835	EA		16" x 48", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	83.54 1.76 5.60 9.80	8.59

08 Openings**08 70 Hardware****08 71 Door Hardware**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 23 00-0836	EA		18" x 22", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	55.91	7.23
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 23 00-0837	EA		18" x 24", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	58.36	7.23
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 23 00-0838	EA		18" x 26", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	60.82	7.23
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 23 00-0839	EA		18" x 28", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	63.27	7.23
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 23 00-0840	EA		18" x 30", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	67.51	7.69
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 23 00-0841	EA		18" x 32", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	69.96	7.69
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 23 00-0842	EA		18" x 34", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	72.42	7.69
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 23 00-0843	EA		18" x 36", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	74.87	7.69
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 23 00-0844	EA		18" x 38", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	79.13	8.14
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 23 00-0845	EA		18" x 40", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	81.59	8.14
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 23 00-0846	EA		18" x 42", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	84.04	8.14
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 23 00-0847	EA		18" x 44", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	88.30	8.59
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 23 00-0848	EA		18" x 46", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	90.75	8.59
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 23 00-0849	EA		18" x 48", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	93.21	8.59
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 23 00-0850	EA		20" x 22", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	60.71	7.69
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 23 00-0851	EA		20" x 24", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	63.43	7.69
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 23 00-0852	EA		20" x 26", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	66.15	7.69
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 23 00-0853	EA		20" x 28", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	68.88	7.69
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 23 00-0854	EA		20" x 30", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	73.41	8.14
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 23 00-0855	EA		20" x 32", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	76.14	8.14
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 23 00-0856	EA		20" x 34", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	78.86	8.14
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	



Openings	08	08
Hardware	08 70	
Door Hardware	08 71	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 23 00-0857	EA		20" x 36", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	81.59 6.30 5.60 9.80	8.14
08 71 23 00-0858	EA		20" x 38", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	86.12 6.30 5.60 9.80	8.59
08 71 23 00-0859	EA		20" x 40", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	88.84 6.30 5.60 9.80	8.59
08 71 23 00-0860	EA		20" x 42", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	91.57 6.30 5.60 9.80	8.59
08 71 23 00-0861	EA		20" x 44", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	96.10 6.30 5.60 9.80	9.04
08 71 23 00-0862	EA		20" x 46", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	98.83 6.30 5.60 9.80	9.04
08 71 23 00-0863	EA		20" x 48", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	101.55 6.30 5.60 9.80	9.04
08 71 23 00-0864	EA		22" x 22", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	63.70 6.30 5.60 9.80	7.69
08 71 23 00-0865	EA		22" x 24", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	66.70 6.30 5.60 9.80	7.69
08 71 23 00-0866	EA		22" x 26", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	69.69 6.30 5.60 9.80	7.69
08 71 23 00-0867	EA		22" x 28", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	72.69 6.30 5.60 9.80	7.69
08 71 23 00-0868	EA		22" x 30", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	77.50 6.30 5.60 9.80	8.14
08 71 23 00-0869	EA		22" x 32", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	80.50 6.30 5.60 9.80	8.14
08 71 23 00-0870	EA		22" x 34", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	83.50 6.30 5.60 9.80	8.14
08 71 23 00-0871	EA		22" x 36", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	86.49 6.30 5.60 9.80	8.14
08 71 23 00-0872	EA		22" x 38", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	91.30 6.30 5.60 9.80	8.59
08 71 23 00-0873	EA		22" x 40", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	94.29 6.30 5.60 9.80	8.59
08 71 23 00-0874	EA		22" x 42", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	97.29 6.30 5.60 9.80	8.59
08 71 23 00-0875	EA		22" x 44", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	102.09 6.30 5.60 9.80	9.04
08 71 23 00-0876	EA		22" x 46", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	105.09 6.30 5.60 9.80	9.04
08 71 23 00-0877	EA		22" x 48", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	108.08 6.30 5.60 9.80	9.04

08 Openings**08 70 Hardware****08 71 Door Hardware**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 23 00-0878	EA		24" x 22", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	66.70	7.69
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 23 00-0879	EA		24" x 24", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	69.96	7.69
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 23 00-0880	EA		24" x 26", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	73.24	7.69
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 23 00-0881	EA		24" x 28", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	76.51	7.69
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 23 00-0882	EA		24" x 30", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	81.59	8.14
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 23 00-0883	EA		24" x 32", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	84.85	8.14
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 23 00-0884	EA		24" x 34", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	88.12	8.14
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 23 00-0885	EA		24" x 36", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	91.40	8.14
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 23 00-0886	EA		24" x 38", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	96.47	8.59
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 23 00-0887	EA		24" x 40", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	99.74	8.59
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 23 00-0888	EA		24" x 42", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	103.01	8.59
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 23 00-0889	EA		24" x 44", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	108.08	9.04
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 23 00-0890	EA		24" x 46", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	111.36	9.04
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 23 00-0891	EA		24" x 48", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	114.63	9.04
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 23 00-0892			Brass Base Material Kick Plate (08 71 23 00-0763)		
08 71 23 00-0893			Bright/Satin Brass Finish, Brass Kick Plate (08 71 23 00-0892)		
08 71 23 00-0894	EA		8" x 22", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	64.41	6.78
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 23 00-0895	EA		8" x 24", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	67.79	6.78
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 23 00-0896	EA		8" x 26", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	71.19	6.78
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 23 00-0897	EA		8" x 28", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	74.57	6.78
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 23 00-0898	EA		8" x 30", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	79.77	7.23
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 23 00-0899	EA		8" x 32", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	83.18	7.23
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	



Openings	08	08
Hardware	08 70	
Door Hardware	08 71	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 23 00-0900	EA		8" x 34", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	86.56 1.76 5.60 9.80	7.23
08 71 23 00-0901	EA		8" x 36", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	89.95 1.76 5.60 9.80	7.23
08 71 23 00-0902	EA		8" x 38", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	95.13 1.76 5.60 9.80	7.69
08 71 23 00-0903	EA		8" x 40", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	98.51 1.76 5.60 9.80	7.69
08 71 23 00-0904	EA		8" x 42", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	101.90 1.76 5.60 9.80	7.69
08 71 23 00-0905	EA		8" x 44", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	107.09 1.76 5.60 9.80	8.14
08 71 23 00-0906	EA		8" x 46", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	110.50 1.76 5.60 9.80	8.14
08 71 23 00-0907	EA		8" x 48", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	113.89 1.76 5.60 9.80	8.14
08 71 23 00-0908	EA		10" x 22", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	73.74 1.76 5.60 9.80	6.78
08 71 23 00-0909	EA		10" x 24", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	77.96 1.76 5.60 9.80	6.78
08 71 23 00-0910	EA		10" x 26", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	82.20 1.76 5.60 9.80	6.78
08 71 23 00-0911	EA		10" x 28", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	86.44 1.76 5.60 9.80	6.78
08 71 23 00-0912	EA		10" x 30", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	92.47 1.76 5.60 9.80	7.23
08 71 23 00-0913	EA		10" x 32", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	96.71 1.76 5.60 9.80	7.23
08 71 23 00-0914	EA		10" x 34", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	100.96 1.76 5.60 9.80	7.23
08 71 23 00-0915	EA		10" x 36", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	105.19 1.76 5.60 9.80	7.23
08 71 23 00-0916	EA		10" x 38", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	111.22 1.76 5.60 9.80	7.69
08 71 23 00-0917	EA		10" x 40", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	115.46 1.76 5.60 9.80	7.69
08 71 23 00-0918	EA		10" x 42", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	119.71 1.76 5.60 9.80	7.69
08 71 23 00-0919	EA		10" x 44", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	125.74 1.76 5.60 9.80	8.14
08 71 23 00-0920	EA		10" x 46", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	129.98 1.76 5.60 9.80	8.14

08 Openings**08 70 Hardware****08 71 Door Hardware**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 23 00-0921	EA		10" x 48", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	134.22 1.76 5.60 9.80	8.14
08 71 23 00-0922	EA		12" x 22", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	83.03 1.76 5.60 9.80	6.78
08 71 23 00-0923	EA		12" x 24", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	88.14 1.76 5.60 9.80	6.78
08 71 23 00-0924	EA		12" x 26", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	93.21 1.76 5.60 9.80	6.78
08 71 23 00-0925	EA		12" x 28", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	98.29 1.76 5.60 9.80	6.78
08 71 23 00-0926	EA		12" x 30", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	105.19 1.76 5.60 9.80	7.23
08 71 23 00-0927	EA		12" x 32", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	110.28 1.76 5.60 9.80	7.23
08 71 23 00-0928	EA		12" x 34", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	115.36 1.76 5.60 9.80	7.23
08 71 23 00-0929	EA		12" x 36", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	120.43 1.76 5.60 9.80	7.23
08 71 23 00-0930	EA		12" x 38", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	127.34 1.76 5.60 9.80	7.69
08 71 23 00-0931	EA		12" x 40", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	132.41 1.76 5.60 9.80	7.69
08 71 23 00-0932	EA		12" x 42", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	137.49 1.76 5.60 9.80	7.69
08 71 23 00-0933	EA		12" x 44", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	144.38 1.76 5.60 9.80	8.14
08 71 23 00-0934	EA		12" x 46", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	149.45 1.76 5.60 9.80	8.14
08 71 23 00-0935	EA		12" x 48", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	154.56 1.76 5.60 9.80	8.14
08 71 23 00-0936	EA		14" x 22", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	94.18 1.76 5.60 9.80	7.23
08 71 23 00-0937	EA		14" x 24", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	100.10 1.76 5.60 9.80	7.23
08 71 23 00-0938	EA		14" x 26", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	106.03 1.76 5.60 9.80	7.23
08 71 23 00-0939	EA		14" x 28", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	111.97 1.76 5.60 9.80	7.23
08 71 23 00-0940	EA		14" x 30", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	119.71 1.76 5.60 9.80	7.69
08 71 23 00-0941	EA		14" x 32", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	125.64 1.76 5.60 9.80	7.69



Openings	08	08
Hardware	08 70	
Door Hardware	08 71	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 23 00-0942	EA		14" x 34", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	131.56 1.76 5.60 9.80	7.69
08 71 23 00-0943	EA		14" x 36", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	137.49 1.76 5.60 9.80	7.69
08 71 23 00-0944	EA		14" x 38", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	145.23 1.76 5.60 9.80	8.14
08 71 23 00-0945	EA		14" x 40", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	151.16 1.76 5.60 9.80	8.14
08 71 23 00-0946	EA		14" x 42", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	157.08 1.76 5.60 9.80	8.14
08 71 23 00-0947	EA		14" x 44", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	164.83 1.76 5.60 9.80	8.59
08 71 23 00-0948	EA		14" x 46", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	170.77 1.76 5.60 9.80	8.59
08 71 23 00-0949	EA		14" x 48", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	176.70 1.76 5.60 9.80	8.59
08 71 23 00-0950	EA		16" x 22", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	127.16 1.76 5.60 9.80	7.23
08 71 23 00-0951	EA		16" x 24", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	136.11 1.76 5.60 9.80	7.23
08 71 23 00-0952	EA		16" x 26", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	145.04 1.76 5.60 9.80	7.23
08 71 23 00-0953	EA		16" x 28", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	153.96 1.76 5.60 9.80	7.23
08 71 23 00-0954	EA		16" x 30", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	164.68 1.76 5.60 9.80	7.69
08 71 23 00-0955	EA		16" x 32", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	173.62 1.76 5.60 9.80	7.69
08 71 23 00-0956	EA		16" x 34", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	182.56 1.76 5.60 9.80	7.69
08 71 23 00-0957	EA		16" x 36", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	191.47 1.76 5.60 9.80	7.69
08 71 23 00-0958	EA		16" x 38", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	202.23 1.76 5.60 9.80	8.14
08 71 23 00-0959	EA		16" x 40", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	211.17 1.76 5.60 9.80	8.14
08 71 23 00-0960	EA		16" x 42", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	220.09 1.76 5.60 9.80	8.14
08 71 23 00-0961	EA		16" x 44", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	230.82 1.76 5.60 9.80	8.59
08 71 23 00-0962	EA		16" x 46", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	239.75 1.76 5.60 9.80	8.59

08 Openings**08 70 Hardware****08 71 Door Hardware**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 23 00-0963	EA		16" x 48", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	248.69	8.59
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 23 00-0964	EA		18" x 22", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	139.25	7.23
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 23 00-0965	EA		18" x 24", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	149.28	7.23
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 23 00-0966	EA		18" x 26", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	159.29	7.23
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 23 00-0967	EA		18" x 28", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	169.34	7.23
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 23 00-0968	EA		18" x 30", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	181.16	7.69
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 23 00-0969	EA		18" x 32", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	191.17	7.69
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 23 00-0970	EA		18" x 34", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	201.22	7.69
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 23 00-0971	EA		18" x 36", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	211.23	7.69
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 23 00-0972	EA		18" x 38", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	223.09	8.14
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 23 00-0973	EA		18" x 40", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	233.11	8.14
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 23 00-0974	EA		18" x 42", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	243.13	8.14
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 23 00-0975	EA		18" x 44", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	254.98	8.59
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 23 00-0976	EA		18" x 46", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	265.00	8.59
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 23 00-0977	EA		18" x 48", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	275.02	8.59
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 23 00-0978	EA		20" x 22", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	153.30	7.69
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 23 00-0979	EA		20" x 24", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	164.44	7.69
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 23 00-0980	EA		20" x 26", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	175.59	7.69
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 23 00-0981	EA		20" x 28", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	186.71	7.69
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 23 00-0982	EA		20" x 30", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	199.68	8.14
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 23 00-0983	EA		20" x 32", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	210.82	8.14
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	



	Openings	08
	Hardware	08 70
	Door Hardware	08 71

08

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 23 00-0984	EA		20" x 34", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	221.96 6.30 5.60 9.80	8.14
08 71 23 00-0985	EA		20" x 36", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	233.11 6.30 5.60 9.80	8.14
08 71 23 00-0986	EA		20" x 38", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	246.04 6.30 5.60 9.80	8.59
08 71 23 00-0987	EA		20" x 40", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	257.20 6.30 5.60 9.80	8.59
08 71 23 00-0988	EA		20" x 42", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	268.34 6.30 5.60 9.80	8.59
08 71 23 00-0989	EA		20" x 44", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	281.29 6.30 5.60 9.80	9.04
08 71 23 00-0990	EA		20" x 46", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	292.44 6.30 5.60 9.80	9.04
08 71 23 00-0991	EA		20" x 48", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	303.56 6.30 5.60 9.80	9.04
08 71 23 00-0992	EA		22" x 22", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	165.57 6.30 5.60 9.80	7.69
08 71 23 00-0993	EA		22" x 24", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	177.81 6.30 5.60 9.80	7.69
08 71 23 00-0994	EA		22" x 26", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	190.06 6.30 5.60 9.80	7.69
08 71 23 00-0995	EA		22" x 28", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	202.33 6.30 5.60 9.80	7.69
08 71 23 00-0996	EA		22" x 30", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	216.39 6.30 5.60 9.80	8.14
08 71 23 00-0997	EA		22" x 32", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	228.66 6.30 5.60 9.80	8.14
08 71 23 00-0998	EA		22" x 34", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	240.91 6.30 5.60 9.80	8.14
08 71 23 00-0999	EA		22" x 36", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	253.17 6.30 5.60 9.80	8.14
08 71 23 00-1000	EA		22" x 38", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	267.22 6.30 5.60 9.80	8.59
08 71 23 00-1001	EA		22" x 40", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	279.48 6.30 5.60 9.80	8.59
08 71 23 00-1002	EA		22" x 42", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	291.74 6.30 5.60 9.80	8.59
08 71 23 00-1003	EA		22" x 44", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	305.81 6.30 5.60 9.80	9.04
08 71 23 00-1004	EA		22" x 46", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	318.07 6.30 5.60 9.80	9.04

08 Openings**08 70 Hardware****08 71 Door Hardware**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 23 00-1005	EA		22" x 48", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	330.30	9.04
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 23 00-1006	EA		24" x 22", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	177.81	7.69
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 23 00-1007	EA		24" x 24", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	191.17	7.69
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 23 00-1008	EA		24" x 26", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	204.56	7.69
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 23 00-1009	EA		24" x 28", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	217.93	7.69
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 23 00-1010	EA		24" x 30", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	233.11	8.14
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 23 00-1011	EA		24" x 32", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	246.47	8.14
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 23 00-1012	EA		24" x 34", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	259.85	8.14
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 23 00-1013	EA		24" x 36", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	273.95	8.14
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 23 00-1014	EA		24" x 38", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	288.39	8.59
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 23 00-1015	EA		24" x 40", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	301.75	8.59
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 23 00-1016	EA		24" x 42", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	315.13	8.59
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 23 00-1017	EA		24" x 44", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	330.30	9.04
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 23 00-1018	EA		24" x 46", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	343.70	9.04
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 23 00-1019	EA		24" x 48", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	357.06	9.04
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 23 00-1020			Bright/Satin Chrome Finish, Brass Kick Plate (08 71 23 00-0892)		
08 71 23 00-1021	EA		8" x 22", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate.....	68.24	6.78
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 23 00-1022	EA		8" x 24", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate.....	71.98	6.78
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 23 00-1023	EA		8" x 26", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate.....	75.72	6.78
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 23 00-1024	EA		8" x 28", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate.....	79.46	6.78
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 23 00-1025	EA		8" x 30", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate.....	85.00	7.23
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	



Openings	08	08
Hardware	08 70	
Door Hardware	08 71	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71	23 00-1026	EA	8" x 32", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	88.73 1.76 5.60 9.80	7.23
08 71	23 00-1027	EA	8" x 34", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	92.47 1.76 5.60 9.80	7.23
08 71	23 00-1028	EA	8" x 36", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	96.21 1.76 5.60 9.80	7.23
08 71	23 00-1029	EA	8" x 38", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	101.75 1.76 5.60 9.80	7.69
08 71	23 00-1030	EA	8" x 40", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	105.50 1.76 5.60 9.80	7.69
08 71	23 00-1031	EA	8" x 42", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	109.23 1.76 5.60 9.80	7.69
08 71	23 00-1032	EA	8" x 44", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	114.78 1.76 5.60 9.80	8.14
08 71	23 00-1033	EA	8" x 46", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	118.52 1.76 5.60 9.80	8.14
08 71	23 00-1034	EA	8" x 48", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	122.26 1.76 5.60 9.80	8.14
08 71	23 00-1035	EA	10" x 22", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	78.52 1.76 5.60 9.80	6.78
08 71	23 00-1036	EA	10" x 24", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	83.19 1.76 5.60 9.80	6.78
08 71	23 00-1037	EA	10" x 26", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	87.86 1.76 5.60 9.80	6.78
08 71	23 00-1038	EA	10" x 28", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	92.53 1.76 5.60 9.80	6.78
08 71	23 00-1039	EA	10" x 30", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	99.03 1.76 5.60 9.80	7.23
08 71	23 00-1040	EA	10" x 32", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	103.70 1.76 5.60 9.80	7.23
08 71	23 00-1041	EA	10" x 34", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	108.37 1.76 5.60 9.80	7.23
08 71	23 00-1042	EA	10" x 36", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	113.04 1.76 5.60 9.80	7.23
08 71	23 00-1043	EA	10" x 38", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	119.51 1.76 5.60 9.80	7.69
08 71	23 00-1044	EA	10" x 40", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	124.18 1.76 5.60 9.80	7.69
08 71	23 00-1045	EA	10" x 42", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	128.85 1.76 5.60 9.80	7.69
08 71	23 00-1046	EA	10" x 44", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	135.33 1.76 5.60 9.80	8.14

08 Openings**08 70 Hardware****08 71 Door Hardware**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 23 00-1047	EA		10" x 46", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	140.00 1.76 5.60 9.80	8.14
08 71 23 00-1048	EA		10" x 48", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	144.67 1.76 5.60 9.80	8.14
08 71 23 00-1049	EA		12" x 22", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	88.80 1.76 5.60 9.80	6.78
08 71 23 00-1050	EA		12" x 24", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	94.40 1.76 5.60 9.80	6.78
08 71 23 00-1051	EA		12" x 26", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	100.02 1.76 5.60 9.80	6.78
08 71 23 00-1052	EA		12" x 28", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	105.62 1.76 5.60 9.80	6.78
08 71 23 00-1053	EA		12" x 30", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	113.04 1.76 5.60 9.80	7.23
08 71 23 00-1054	EA		12" x 32", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	118.65 1.76 5.60 9.80	7.23
08 71 23 00-1055	EA		12" x 34", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	124.25 1.76 5.60 9.80	7.23
08 71 23 00-1056	EA		12" x 36", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	129.85 1.76 5.60 9.80	7.23
08 71 23 00-1057	EA		12" x 38", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	137.25 1.76 5.60 9.80	7.69
08 71 23 00-1058	EA		12" x 40", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	142.86 1.76 5.60 9.80	7.69
08 71 23 00-1059	EA		12" x 42", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	148.47 1.76 5.60 9.80	7.69
08 71 23 00-1060	EA		12" x 44", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	155.88 1.76 5.60 9.80	8.14
08 71 23 00-1061	EA		12" x 46", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	161.51 1.76 5.60 9.80	8.14
08 71 23 00-1062	EA		12" x 48", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	167.11 1.76 5.60 9.80	8.14
08 71 23 00-1063	EA		14" x 22", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	100.88 1.76 5.60 9.80	7.23
08 71 23 00-1064	EA		14" x 24", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	107.43 1.76 5.60 9.80	7.23
08 71 23 00-1065	EA		14" x 26", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	113.98 1.76 5.60 9.80	7.23
08 71 23 00-1066	EA		14" x 28", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	120.51 1.76 5.60 9.80	7.23
08 71 23 00-1067	EA		14" x 30", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	128.85 1.76 5.60 9.80	7.69



Openings	08	08
Hardware	08 70	
Door Hardware	08 71	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 23 00-1068	EA		14" x 32", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	135.39 1.76 5.60 9.80	7.69
08 71 23 00-1069	EA		14" x 34", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	141.92 1.76 5.60 9.80	7.69
08 71 23 00-1070	EA		14" x 36", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	148.47 1.76 5.60 9.80	7.69
08 71 23 00-1071	EA		14" x 38", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	156.84 1.76 5.60 9.80	8.14
08 71 23 00-1072	EA		14" x 40", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	163.37 1.76 5.60 9.80	8.14
08 71 23 00-1073	EA		14" x 42", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	169.90 1.76 5.60 9.80	8.14
08 71 23 00-1074	EA		14" x 44", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	166.47 1.76 5.60 9.80	8.59
08 71 23 00-1075	EA		14" x 46", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	184.79 1.76 5.60 9.80	8.59
08 71 23 00-1076	EA		14" x 48", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	191.34 1.76 5.60 9.80	8.59
08 71 23 00-1077	EA		16" x 22", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	138.57 1.76 5.60 9.80	7.23
08 71 23 00-1078	EA		16" x 24", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	148.54 1.76 5.60 9.80	7.23
08 71 23 00-1079	EA		16" x 26", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	158.51 1.76 5.60 9.80	7.23
08 71 23 00-1080	EA		16" x 28", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	168.47 1.76 5.60 9.80	7.23
08 71 23 00-1081	EA		16" x 30", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	180.24 1.76 5.60 9.80	7.69
08 71 23 00-1082	EA		16" x 32", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	190.20 1.76 5.60 9.80	7.69
08 71 23 00-1083	EA		16" x 34", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	200.18 1.76 5.60 9.80	7.69
08 71 23 00-1084	EA		16" x 36", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	210.15 1.76 5.60 9.80	7.69
08 71 23 00-1085	EA		16" x 38", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	221.92 1.76 5.60 9.80	8.14
08 71 23 00-1086	EA		16" x 40", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	231.89 1.76 5.60 9.80	8.14
08 71 23 00-1087	EA		16" x 42", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	241.85 1.76 5.60 9.80	8.14
08 71 23 00-1088	EA		16" x 44", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	253.63 1.76 5.60 9.80	8.59

08 Openings**08 70 Hardware****08 71 Door Hardware**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 23 00-1089	EA		16" x 46", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	263.59 1.76 5.60 9.80	8.59
08 71 23 00-1090	EA		16" x 48", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	273.56 1.76 5.60 9.80	8.59
08 71 23 00-1091	EA		18" x 22", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	151.92 6.30 5.60 9.80	7.23
08 71 23 00-1092	EA		18" x 24", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	163.11 6.30 5.60 9.80	7.23
08 71 23 00-1093	EA		18" x 26", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	174.28 6.30 5.60 9.80	7.23
08 71 23 00-1094	EA		18" x 28", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	185.47 6.30 5.60 9.80	7.23
08 71 23 00-1095	EA		18" x 30", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	198.44 6.30 5.60 9.80	7.69
08 71 23 00-1096	EA		18" x 32", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	209.62 6.30 5.60 9.80	7.69
08 71 23 00-1097	EA		18" x 34", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	220.80 6.30 5.60 9.80	7.69
08 71 23 00-1098	EA		18" x 36", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	231.98 6.30 5.60 9.80	7.69
08 71 23 00-1099	EA		18" x 38", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	244.95 6.30 5.60 9.80	8.14
08 71 23 00-1100	EA		18" x 40", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	256.15 6.30 5.60 9.80	8.14
08 71 23 00-1101	EA		18" x 42", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	267.34 6.30 5.60 9.80	8.14
08 71 23 00-1102	EA		18" x 44", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	280.31 6.30 5.60 9.80	8.59
08 71 23 00-1103	EA		18" x 46", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	291.51 6.30 5.60 9.80	8.59
08 71 23 00-1104	EA		18" x 48", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	302.67 6.30 5.60 9.80	8.59
08 71 23 00-1105	EA		20" x 22", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	167.37 6.30 5.60 9.80	7.69
08 71 23 00-1106	EA		20" x 24", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	179.82 6.30 5.60 9.80	7.69
08 71 23 00-1107	EA		20" x 26", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	192.22 6.30 5.60 9.80	7.69
08 71 23 00-1108	EA		20" x 28", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	204.66 6.30 5.60 9.80	7.69
08 71 23 00-1109	EA		20" x 30", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	218.88 6.30 5.60 9.80	8.14



Openings	08	08
Hardware	08 70	
Door Hardware	08 71	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 23 00-1110	EA		20" x 32", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	231.30 6.30 5.60 9.80	8.14
08 71 23 00-1111	EA		20" x 34", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	243.73 6.30 5.60 9.80	8.14
08 71 23 00-1112	EA		20" x 36", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	256.15 6.30 5.60 9.80	8.14
08 71 23 00-1113	EA		20" x 38", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	270.40 6.30 5.60 9.80	8.59
08 71 23 00-1114	EA		20" x 40", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	282.80 6.30 5.60 9.80	8.59
08 71 23 00-1115	EA		20" x 42", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	295.22 6.30 5.60 9.80	8.59
08 71 23 00-1116	EA		20" x 44", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	309.46 6.30 5.60 9.80	9.04
08 71 23 00-1117	EA		20" x 46", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	321.88 6.30 5.60 9.80	9.04
08 71 23 00-1118	EA		20" x 48", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	334.31 6.30 5.60 9.80	9.04
08 71 23 00-1119	EA		22" x 22", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	181.04 6.30 5.60 9.80	7.69
08 71 23 00-1120	EA		22" x 24", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	194.72 6.30 5.60 9.80	7.69
08 71 23 00-1121	EA		22" x 26", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	208.38 6.30 5.60 9.80	7.69
08 71 23 00-1122	EA		22" x 28", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	222.03 6.30 5.60 9.80	7.69
08 71 23 00-1123	EA		22" x 30", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	237.52 6.30 5.60 9.80	8.14
08 71 23 00-1124	EA		22" x 32", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	251.18 6.30 5.60 9.80	8.14
08 71 23 00-1125	EA		22" x 34", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	264.85 6.30 5.60 9.80	8.14
08 71 23 00-1126	EA		22" x 36", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	278.50 6.30 5.60 9.80	8.14
08 71 23 00-1127	EA		22" x 38", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	293.99 6.30 5.60 9.80	8.59
08 71 23 00-1128	EA		22" x 40", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	307.65 6.30 5.60 9.80	8.59
08 71 23 00-1129	EA		22" x 42", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	321.32 6.30 5.60 9.80	8.59
08 71 23 00-1130	EA		22" x 44", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	336.79 6.30 5.60 9.80	9.04

08 Openings**08 70 Hardware****08 71 Door Hardware**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 23 00-1131	EA		22" x 46", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	350.44 6.30 5.60 9.80	9.04
08 71 23 00-1132	EA		22" x 48", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	364.12 6.30 5.60 9.80	9.04
08 71 23 00-1133	EA		24" x 22", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	194.72 6.30 5.60 9.80	7.69
08 71 23 00-1134	EA		24" x 24", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	209.62 6.30 5.60 9.80	7.69
08 71 23 00-1135	EA		24" x 26", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	224.52 6.30 5.60 9.80	7.69
08 71 23 00-1136	EA		24" x 28", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	239.43 6.30 5.60 9.80	7.69
08 71 23 00-1137	EA		24" x 30", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	256.15 6.30 5.60 9.80	8.14
08 71 23 00-1138	EA		24" x 32", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	271.05 6.30 5.60 9.80	8.14
08 71 23 00-1139	EA		24" x 34", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	285.98 6.30 5.60 9.80	8.14
08 71 23 00-1140	EA		24" x 36", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	300.86 6.30 5.60 9.80	8.14
08 71 23 00-1141	EA		24" x 38", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	317.58 6.30 5.60 9.80	8.59
08 71 23 00-1142	EA		24" x 40", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	332.50 6.30 5.60 9.80	8.59
08 71 23 00-1143	EA		24" x 42", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	347.41 6.30 5.60 9.80	8.59
08 71 23 00-1144	EA		24" x 44", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	364.12 6.30 5.60 9.80	9.04
08 71 23 00-1145	EA		24" x 46", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	379.03 6.30 5.60 9.80	9.04
08 71 23 00-1146	EA		24" x 48", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	393.93 6.30 5.60 9.80	9.04
08 71 23 00-1147			Satin/Dark Bronze Finish, Brass Kick Plate <small>(08 71 23 00-0892)</small>		
08 71 23 00-1148	EA		8" x 22", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	68.97 1.76 5.60 9.80	6.78
08 71 23 00-1149	EA		8" x 24", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	72.76 1.76 5.60 9.80	6.78
08 71 23 00-1150	EA		8" x 26", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	76.58 1.76 5.60 9.80	6.78
08 71 23 00-1151	EA		8" x 28", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	80.36 1.76 5.60 9.80	6.78



Openings	08	08
Hardware	08 70	
Door Hardware	08 71	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 23 00-1152	EA		8" x 30", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	85.99 1.76 5.60 9.80	7.23
08 71 23 00-1153	EA		8" x 32", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	89.79 1.76 5.60 9.80	7.23
08 71 23 00-1154	EA		8" x 34", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	93.60 1.76 5.60 9.80	7.23
08 71 23 00-1155	EA		8" x 36", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	97.40 1.76 5.60 9.80	7.23
08 71 23 00-1156	EA		8" x 38", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	102.98 1.76 5.60 9.80	7.69
08 71 23 00-1157	EA		8" x 40", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	106.80 1.76 5.60 9.80	7.69
08 71 23 00-1158	EA		8" x 42", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	110.60 1.76 5.60 9.80	7.69
08 71 23 00-1159	EA		8" x 44", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	116.22 1.76 5.60 9.80	8.14
08 71 23 00-1160	EA		8" x 46", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	120.02 1.76 5.60 9.80	8.14
08 71 23 00-1161	EA		8" x 48", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	123.83 1.76 5.60 9.80	8.14
08 71 23 00-1162	EA		10" x 22", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	79.42 1.76 5.60 9.80	6.78
08 71 23 00-1163	EA		10" x 24", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	84.18 1.76 5.60 9.80	6.78
08 71 23 00-1164	EA		10" x 26", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	88.93 1.76 5.60 9.80	6.78
08 71 23 00-1165	EA		10" x 28", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	93.68 1.76 5.60 9.80	6.78
08 71 23 00-1166	EA		10" x 30", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	100.24 1.76 5.60 9.80	7.23
08 71 23 00-1167	EA		10" x 32", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	105.00 1.76 5.60 9.80	7.23
08 71 23 00-1168	EA		10" x 34", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	109.75 1.76 5.60 9.80	7.23
08 71 23 00-1169	EA		10" x 36", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	114.50 1.76 5.60 9.80	7.23
08 71 23 00-1170	EA		10" x 38", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	121.06 1.76 5.60 9.80	7.69
08 71 23 00-1171	EA		10" x 40", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	125.82 1.76 5.60 9.80	7.69
08 71 23 00-1172	EA		10" x 42", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	130.56 1.76 5.60 9.80	7.69

08 Openings**08 70 Hardware****08 71 Door Hardware**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71	23 00-1173	EA	10" x 44", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	137.14 1.76 5.60 9.80	8.14
08 71	23 00-1174	EA	10" x 46", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	141.88 1.76 5.60 9.80	8.14
08 71	23 00-1175	EA	10" x 48", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	146.64 1.76 5.60 9.80	8.14
08 71	23 00-1176	EA	12" x 22", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	89.88 1.76 5.60 9.80	6.78
08 71	23 00-1177	EA	12" x 24", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	95.59 1.76 5.60 9.80	6.78
08 71	23 00-1178	EA	12" x 26", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	101.28 1.76 5.60 9.80	6.78
08 71	23 00-1179	EA	12" x 28", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	106.99 1.76 5.60 9.80	6.78
08 71	23 00-1180	EA	12" x 30", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	114.50 1.76 5.60 9.80	7.23
08 71	23 00-1181	EA	12" x 32", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	120.22 1.76 5.60 9.80	7.23
08 71	23 00-1182	EA	12" x 34", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	125.93 1.76 5.60 9.80	7.23
08 71	23 00-1183	EA	12" x 36", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	131.62 1.76 5.60 9.80	7.23
08 71	23 00-1184	EA	12" x 38", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	139.13 1.76 5.60 9.80	7.69
08 71	23 00-1185	EA	12" x 40", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	144.83 1.76 5.60 9.80	7.69
08 71	23 00-1186	EA	12" x 42", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	150.52 1.76 5.60 9.80	7.69
08 71	23 00-1187	EA	12" x 44", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	158.04 1.76 5.60 9.80	8.14
08 71	23 00-1188	EA	12" x 46", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	163.76 1.76 5.60 9.80	8.14
08 71	23 00-1189	EA	12" x 48", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	169.45 1.76 5.60 9.80	8.14
08 71	23 00-1190	EA	14" x 22", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	102.14 1.76 5.60 9.80	7.23
08 71	23 00-1191	EA	14" x 24", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	108.80 1.76 5.60 9.80	7.23
08 71	23 00-1192	EA	14" x 26", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	115.45 1.76 5.60 9.80	7.23
08 71	23 00-1193	EA	14" x 28", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	122.10 1.76 5.60 9.80	7.23



Openings	08	08
Hardware	08 70	
Door Hardware	08 71	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 23 00-1194	EA		14" x 30", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	130.56 1.76 5.60 9.80	7.69
08 71 23 00-1195	EA		14" x 32", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	137.22 1.76 5.60 9.80	7.69
08 71 23 00-1196	EA		14" x 34", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	143.87 1.76 5.60 9.80	7.69
08 71 23 00-1197	EA		14" x 36", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	150.52 1.76 5.60 9.80	7.69
08 71 23 00-1198	EA		14" x 38", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	158.99 1.76 5.60 9.80	8.14
08 71 23 00-1199	EA		14" x 40", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	165.65 1.76 5.60 9.80	8.14
08 71 23 00-1200	EA		14" x 42", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	172.30 1.76 5.60 9.80	8.14
08 71 23 00-1201	EA		14" x 44", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	180.77 1.76 5.60 9.80	8.59
08 71 23 00-1202	EA		14" x 46", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	187.44 1.76 5.60 9.80	8.59
08 71 23 00-1203	EA		14" x 48", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	194.10 1.76 5.60 9.80	8.59
08 71 23 00-1204	EA		16" x 22", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	138.57 1.76 5.60 9.80	7.23
08 71 23 00-1205	EA		16" x 24", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	148.54 1.76 5.60 9.80	7.23
08 71 23 00-1206	EA		16" x 26", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	158.51 1.76 5.60 9.80	7.23
08 71 23 00-1207	EA		16" x 28", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	168.47 1.76 5.60 9.80	7.23
08 71 23 00-1208	EA		16" x 30", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	180.24 1.76 5.60 9.80	7.69
08 71 23 00-1209	EA		16" x 32", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	190.20 1.76 5.60 9.80	7.69
08 71 23 00-1210	EA		16" x 34", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	200.18 1.76 5.60 9.80	7.69
08 71 23 00-1211	EA		16" x 36", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	210.15 1.76 5.60 9.80	7.69
08 71 23 00-1212	EA		16" x 38", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	221.92 1.76 5.60 9.80	8.14
08 71 23 00-1213	EA		16" x 40", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	231.89 1.76 5.60 9.80	8.14
08 71 23 00-1214	EA		16" x 42", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	241.85 1.76 5.60 9.80	8.14

08 Openings**08 70 Hardware****08 71 Door Hardware**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71	23 00-1215	EA	16" x 44", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	253.63 1.76 5.60 9.80	8.59
08 71	23 00-1216	EA	16" x 46", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	263.59 1.76 5.60 9.80	8.59
08 71	23 00-1217	EA	16" x 48", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	273.56 1.76 5.60 9.80	8.59
08 71	23 00-1218	EA	18" x 22", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	151.92 6.30 5.60 9.80	7.23
08 71	23 00-1219	EA	18" x 24", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	163.11 6.30 5.60 9.80	7.23
08 71	23 00-1220	EA	18" x 26", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	174.28 6.30 5.60 9.80	7.23
08 71	23 00-1221	EA	18" x 28", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	185.47 6.30 5.60 9.80	7.23
08 71	23 00-1222	EA	18" x 30", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	198.44 6.30 5.60 9.80	7.69
08 71	23 00-1223	EA	18" x 32", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	209.62 6.30 5.60 9.80	7.69
08 71	23 00-1224	EA	18" x 34", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	220.80 6.30 5.60 9.80	7.69
08 71	23 00-1225	EA	18" x 36", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	231.98 6.30 5.60 9.80	7.69
08 71	23 00-1226	EA	18" x 38", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	244.95 6.30 5.60 9.80	8.14
08 71	23 00-1227	EA	18" x 40", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	256.15 6.30 5.60 9.80	8.14
08 71	23 00-1228	EA	18" x 42", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	267.34 6.30 5.60 9.80	8.14
08 71	23 00-1229	EA	18" x 44", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	280.31 6.30 5.60 9.80	8.59
08 71	23 00-1230	EA	18" x 46", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	291.51 6.30 5.60 9.80	8.59
08 71	23 00-1231	EA	18" x 48", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	302.67 6.30 5.60 9.80	8.59
08 71	23 00-1232	EA	20" x 22", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	167.37 6.30 5.60 9.80	7.69
08 71	23 00-1233	EA	20" x 24", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	179.82 6.30 5.60 9.80	7.69
08 71	23 00-1234	EA	20" x 26", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	192.22 6.30 5.60 9.80	7.69
08 71	23 00-1235	EA	20" x 28", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	204.66 6.30 5.60 9.80	7.69



Openings	08	08
Hardware	08 70	
Door Hardware	08 71	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71	23 00-1236	EA	20" x 30", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	218.88 6.30 5.60 9.80	8.14
08 71	23 00-1237	EA	20" x 32", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	231.30 6.30 5.60 9.80	8.14
08 71	23 00-1238	EA	20" x 34", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	243.73 6.30 5.60 9.80	8.14
08 71	23 00-1239	EA	20" x 36", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	256.15 6.30 5.60 9.80	8.14
08 71	23 00-1240	EA	20" x 38", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	270.40 6.30 5.60 9.80	8.59
08 71	23 00-1241	EA	20" x 40", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	282.80 6.30 5.60 9.80	8.59
08 71	23 00-1242	EA	20" x 42", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	295.22 6.30 5.60 9.80	8.59
08 71	23 00-1243	EA	20" x 44", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	309.46 6.30 5.60 9.80	9.04
08 71	23 00-1244	EA	20" x 46", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	321.88 6.30 5.60 9.80	9.04
08 71	23 00-1245	EA	20" x 48", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	334.31 6.30 5.60 9.80	9.04
08 71	23 00-1246	EA	22" x 22", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	181.04 6.30 5.60 9.80	7.69
08 71	23 00-1247	EA	22" x 24", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	194.72 6.30 5.60 9.80	7.69
08 71	23 00-1248	EA	22" x 26", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	208.38 6.30 5.60 9.80	7.69
08 71	23 00-1249	EA	22" x 28", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	222.03 6.30 5.60 9.80	7.69
08 71	23 00-1250	EA	22" x 30", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	237.52 6.30 5.60 9.80	8.14
08 71	23 00-1251	EA	22" x 32", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	251.18 6.30 5.60 9.80	8.14
08 71	23 00-1252	EA	22" x 34", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	264.85 6.30 5.60 9.80	8.14
08 71	23 00-1253	EA	22" x 36", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	278.50 6.30 5.60 9.80	8.14
08 71	23 00-1254	EA	22" x 38", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	293.99 6.30 5.60 9.80	8.59
08 71	23 00-1255	EA	22" x 40", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	307.65 6.30 5.60 9.80	8.59
08 71	23 00-1256	EA	22" x 42", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	321.32 6.30 5.60 9.80	8.59

08 Openings**08 70 Hardware****08 71 Door Hardware**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 23 00-1257	EA		22" x 44", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	336.79 6.30 5.60 9.80	9.04
08 71 23 00-1258	EA		22" x 46", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	350.44 6.30 5.60 9.80	9.04
08 71 23 00-1259	EA		22" x 48", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	364.12 6.30 5.60 9.80	9.04
08 71 23 00-1260	EA		24" x 22", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	194.72 6.30 5.60 9.80	7.69
08 71 23 00-1261	EA		24" x 24", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	209.62 6.30 5.60 9.80	7.69
08 71 23 00-1262	EA		24" x 26", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	224.52 6.30 5.60 9.80	7.69
08 71 23 00-1263	EA		24" x 28", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	239.43 6.30 5.60 9.80	7.69
08 71 23 00-1264	EA		24" x 30", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	256.15 6.30 5.60 9.80	8.14
08 71 23 00-1265	EA		24" x 32", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	271.05 6.30 5.60 9.80	8.14
08 71 23 00-1266	EA		24" x 34", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	285.98 6.30 5.60 9.80	8.14
08 71 23 00-1267	EA		24" x 36", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	300.86 6.30 5.60 9.80	8.14
08 71 23 00-1268	EA		24" x 38", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	317.58 6.30 5.60 9.80	8.59
08 71 23 00-1269	EA		24" x 40", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	332.50 6.30 5.60 9.80	8.59
08 71 23 00-1270	EA		24" x 42", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	347.41 6.30 5.60 9.80	8.59
08 71 23 00-1271	EA		24" x 44", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	364.12 6.30 5.60 9.80	9.04
08 71 23 00-1272	EA		24" x 46", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	379.03 6.30 5.60 9.80	9.04
08 71 23 00-1273	EA		24" x 48", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	393.93 6.30 5.60 9.80	9.04
08 71 23 00-1274			Satin Nickel Finish, Brass Kick Plate (08 71 23 00-0892)		
08 71 23 00-1275	EA		8" x 22", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	68.97 1.76 5.60 9.80	6.78
08 71 23 00-1276	EA		8" x 24", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	72.76 1.76 5.60 9.80	6.78
08 71 23 00-1277	EA		8" x 26", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	76.58 1.76 5.60 9.80	6.78



Openings	08	08
Hardware	08 70	
Door Hardware	08 71	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 23 00-1278	EA		8" x 28", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	80.36 1.76 5.60 9.80	6.78
08 71 23 00-1279	EA		8" x 30", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	85.99 1.76 5.60 9.80	7.23
08 71 23 00-1280	EA		8" x 32", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	89.79 1.76 5.60 9.80	7.23
08 71 23 00-1281	EA		8" x 34", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	93.60 1.76 5.60 9.80	7.23
08 71 23 00-1282	EA		8" x 36", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	97.40 1.76 5.60 9.80	7.23
08 71 23 00-1283	EA		8" x 38", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	102.98 1.76 5.60 9.80	7.69
08 71 23 00-1284	EA		8" x 40", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	106.80 1.76 5.60 9.80	7.69
08 71 23 00-1285	EA		8" x 42", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	110.60 1.76 5.60 9.80	7.69
08 71 23 00-1286	EA		8" x 44", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	116.22 1.76 5.60 9.80	8.14
08 71 23 00-1287	EA		8" x 46", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	120.02 1.76 5.60 9.80	8.14
08 71 23 00-1288	EA		8" x 48", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	123.83 1.76 5.60 9.80	8.14
08 71 23 00-1289	EA		10" x 22", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	79.42 1.76 5.60 9.80	6.78
08 71 23 00-1290	EA		10" x 24", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	84.18 1.76 5.60 9.80	6.78
08 71 23 00-1291	EA		10" x 26", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	88.93 1.76 5.60 9.80	6.78
08 71 23 00-1292	EA		10" x 28", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	93.68 1.76 5.60 9.80	6.78
08 71 23 00-1293	EA		10" x 30", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	100.24 1.76 5.60 9.80	7.23
08 71 23 00-1294	EA		10" x 32", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	105.00 1.76 5.60 9.80	7.23
08 71 23 00-1295	EA		10" x 34", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	109.75 1.76 5.60 9.80	7.23
08 71 23 00-1296	EA		10" x 36", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	114.50 1.76 5.60 9.80	7.23
08 71 23 00-1297	EA		10" x 38", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	121.06 1.76 5.60 9.80	7.69
08 71 23 00-1298	EA		10" x 40", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	125.82 1.76 5.60 9.80	7.69

08 Openings**08 70 Hardware****08 71 Door Hardware**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 23 00-1299	EA		10" x 42", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	130.56 1.76 5.60 9.80	7.69
08 71 23 00-1300	EA		10" x 44", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	137.14 1.76 5.60 9.80	8.14
08 71 23 00-1301	EA		10" x 46", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	141.88 1.76 5.60 9.80	8.14
08 71 23 00-1302	EA		10" x 48", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	146.64 1.76 5.60 9.80	8.14
08 71 23 00-1303	EA		12" x 22", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	89.88 1.76 5.60 9.80	6.78
08 71 23 00-1304	EA		12" x 24", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	95.59 1.76 5.60 9.80	6.78
08 71 23 00-1305	EA		12" x 26", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	101.28 1.76 5.60 9.80	6.78
08 71 23 00-1306	EA		12" x 28", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	106.99 1.76 5.60 9.80	6.78
08 71 23 00-1307	EA		12" x 30", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	114.50 1.76 5.60 9.80	7.23
08 71 23 00-1308	EA		12" x 32", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	120.22 1.76 5.60 9.80	7.23
08 71 23 00-1309	EA		12" x 34", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	125.93 1.76 5.60 9.80	7.23
08 71 23 00-1310	EA		12" x 36", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	131.62 1.76 5.60 9.80	7.23
08 71 23 00-1311	EA		12" x 38", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	139.13 1.76 5.60 9.80	7.69
08 71 23 00-1312	EA		12" x 40", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	144.83 1.76 5.60 9.80	7.69
08 71 23 00-1313	EA		12" x 42", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	150.52 1.76 5.60 9.80	7.69
08 71 23 00-1314	EA		12" x 44", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	158.04 1.76 5.60 9.80	8.14
08 71 23 00-1315	EA		12" x 46", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	163.76 1.76 5.60 9.80	8.14
08 71 23 00-1316	EA		12" x 48", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	169.45 1.76 5.60 9.80	8.14
08 71 23 00-1317	EA		14" x 22", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	102.14 1.76 5.60 9.80	7.23
08 71 23 00-1318	EA		14" x 24", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	108.80 1.76 5.60 9.80	7.23
08 71 23 00-1319	EA		14" x 26", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	115.45 1.76 5.60 9.80	7.23



Openings	08	08
Hardware	08 70	
Door Hardware	08 71	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 23 00-1320	EA		14" x 28", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	122.10 1.76 5.60 9.80	7.23
08 71 23 00-1321	EA		14" x 30", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	130.56 1.76 5.60 9.80	7.69
08 71 23 00-1322	EA		14" x 32", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	137.22 1.76 5.60 9.80	7.69
08 71 23 00-1323	EA		14" x 34", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	143.87 1.76 5.60 9.80	7.69
08 71 23 00-1324	EA		14" x 36", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	150.52 1.76 5.60 9.80	7.69
08 71 23 00-1325	EA		14" x 38", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	158.99 1.76 5.60 9.80	8.14
08 71 23 00-1326	EA		14" x 40", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	165.65 1.76 5.60 9.80	8.14
08 71 23 00-1327	EA		14" x 42", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	172.30 1.76 5.60 9.80	8.14
08 71 23 00-1328	EA		14" x 44", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	180.77 1.76 5.60 9.80	8.59
08 71 23 00-1329	EA		14" x 46", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	187.44 1.76 5.60 9.80	8.59
08 71 23 00-1330	EA		14" x 48", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	194.10 1.76 5.60 9.80	8.59
08 71 23 00-1331	EA		16" x 22", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	138.57 1.76 5.60 9.80	7.23
08 71 23 00-1332	EA		16" x 24", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	148.54 1.76 5.60 9.80	7.23
08 71 23 00-1333	EA		16" x 26", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	158.51 1.76 5.60 9.80	7.23
08 71 23 00-1334	EA		16" x 28", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	168.47 1.76 5.60 9.80	7.23
08 71 23 00-1335	EA		16" x 30", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	180.24 1.76 5.60 9.80	7.69
08 71 23 00-1336	EA		16" x 32", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	190.20 1.76 5.60 9.80	7.69
08 71 23 00-1337	EA		16" x 34", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	200.18 1.76 5.60 9.80	7.69
08 71 23 00-1338	EA		16" x 36", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	210.15 1.76 5.60 9.80	7.69
08 71 23 00-1339	EA		16" x 38", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	221.92 1.76 5.60 9.80	8.14
08 71 23 00-1340	EA		16" x 40", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	231.89 1.76 5.60 9.80	8.14

08 Openings**08 70 Hardware****08 71 Door Hardware**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 23 00-1341	EA		16" x 42", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	241.85 1.76 5.60 9.80	8.14
08 71 23 00-1342	EA		16" x 44", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	253.63 1.76 5.60 9.80	8.59
08 71 23 00-1343	EA		16" x 46", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	263.59 1.76 5.60 9.80	8.59
08 71 23 00-1344	EA		16" x 48", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	273.56 1.76 5.60 9.80	8.59
08 71 23 00-1345	EA		18" x 22", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	151.92 6.30 5.60 9.80	7.23
08 71 23 00-1346	EA		18" x 24", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	163.11 6.30 5.60 9.80	7.23
08 71 23 00-1347	EA		18" x 26", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	174.28 6.30 5.60 9.80	7.23
08 71 23 00-1348	EA		18" x 28", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	185.47 6.30 5.60 9.80	7.23
08 71 23 00-1349	EA		18" x 30", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	198.44 6.30 5.60 9.80	7.69
08 71 23 00-1350	EA		18" x 32", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	209.62 6.30 5.60 9.80	7.69
08 71 23 00-1351	EA		18" x 34", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	220.80 6.30 5.60 9.80	7.69
08 71 23 00-1352	EA		18" x 36", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	231.98 6.30 5.60 9.80	7.69
08 71 23 00-1353	EA		18" x 38", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	244.95 6.30 5.60 9.80	8.14
08 71 23 00-1354	EA		18" x 40", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	256.15 6.30 5.60 9.80	8.14
08 71 23 00-1355	EA		18" x 42", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	267.34 6.30 5.60 9.80	8.14
08 71 23 00-1356	EA		18" x 44", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	280.31 6.30 5.60 9.80	8.59
08 71 23 00-1357	EA		18" x 46", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	291.51 6.30 5.60 9.80	8.59
08 71 23 00-1358	EA		18" x 48", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	302.67 6.30 5.60 9.80	8.59
08 71 23 00-1359	EA		20" x 22", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	167.37 6.30 5.60 9.80	7.69
08 71 23 00-1360	EA		20" x 24", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	179.82 6.30 5.60 9.80	7.69
08 71 23 00-1361	EA		20" x 26", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	192.22 6.30 5.60 9.80	7.69



Openings	08	08
Hardware	08 70	
Door Hardware	08 71	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 23 00-1362	EA		20" x 28", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	204.66 6.30 5.60 9.80	7.69
08 71 23 00-1363	EA		20" x 30", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	218.88 6.30 5.60 9.80	8.14
08 71 23 00-1364	EA		20" x 32", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	231.30 6.30 5.60 9.80	8.14
08 71 23 00-1365	EA		20" x 34", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	243.73 6.30 5.60 9.80	8.14
08 71 23 00-1366	EA		20" x 36", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	256.15 6.30 5.60 9.80	8.14
08 71 23 00-1367	EA		20" x 38", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	270.40 6.30 5.60 9.80	8.59
08 71 23 00-1368	EA		20" x 40", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	282.80 6.30 5.60 9.80	8.59
08 71 23 00-1369	EA		20" x 42", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	295.22 6.30 5.60 9.80	8.59
08 71 23 00-1370	EA		20" x 44", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	309.46 6.30 5.60 9.80	9.04
08 71 23 00-1371	EA		20" x 46", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	321.88 6.30 5.60 9.80	9.04
08 71 23 00-1372	EA		20" x 48", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	334.31 6.30 5.60 9.80	9.04
08 71 23 00-1373	EA		22" x 22", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	181.04 6.30 5.60 9.80	7.69
08 71 23 00-1374	EA		22" x 24", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	194.72 6.30 5.60 9.80	7.69
08 71 23 00-1375	EA		22" x 26", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	208.38 6.30 5.60 9.80	7.69
08 71 23 00-1376	EA		22" x 28", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	222.03 6.30 5.60 9.80	7.69
08 71 23 00-1377	EA		22" x 30", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	237.52 6.30 5.60 9.80	8.14
08 71 23 00-1378	EA		22" x 32", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	251.18 6.30 5.60 9.80	8.14
08 71 23 00-1379	EA		22" x 34", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	264.85 6.30 5.60 9.80	8.14
08 71 23 00-1380	EA		22" x 36", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	278.50 6.30 5.60 9.80	8.14
08 71 23 00-1381	EA		22" x 38", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	293.99 6.30 5.60 9.80	8.59
08 71 23 00-1382	EA		22" x 40", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	307.65 6.30 5.60 9.80	8.59

08 Openings**08 70 Hardware****08 71 Door Hardware**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 23 00-1383	EA		22" x 42", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	321.32 6.30 5.60 9.80	8.59
08 71 23 00-1384	EA		22" x 44", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	336.79 6.30 5.60 9.80	9.04
08 71 23 00-1385	EA		22" x 46", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	350.44 6.30 5.60 9.80	9.04
08 71 23 00-1386	EA		22" x 48", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	364.12 6.30 5.60 9.80	9.04
08 71 23 00-1387	EA		24" x 22", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	194.72 6.30 5.60 9.80	7.69
08 71 23 00-1388	EA		24" x 24", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	209.62 6.30 5.60 9.80	7.69
08 71 23 00-1389	EA		24" x 26", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	224.52 6.30 5.60 9.80	7.69
08 71 23 00-1390	EA		24" x 28", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	239.43 6.30 5.60 9.80	7.69
08 71 23 00-1391	EA		24" x 30", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	256.15 6.30 5.60 9.80	8.14
08 71 23 00-1392	EA		24" x 32", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	271.05 6.30 5.60 9.80	8.14
08 71 23 00-1393	EA		24" x 34", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	285.98 6.30 5.60 9.80	8.14
08 71 23 00-1394	EA		24" x 36", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	300.86 6.30 5.60 9.80	8.14
08 71 23 00-1395	EA		24" x 38", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	317.58 6.30 5.60 9.80	8.59
08 71 23 00-1396	EA		24" x 40", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	332.50 6.30 5.60 9.80	8.59
08 71 23 00-1397	EA		24" x 42", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	347.41 6.30 5.60 9.80	8.59
08 71 23 00-1398	EA		24" x 44", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	364.12 6.30 5.60 9.80	9.04
08 71 23 00-1399	EA		24" x 46", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	379.03 6.30 5.60 9.80	9.04
08 71 23 00-1400	EA		24" x 48", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	393.93 6.30 5.60 9.80	9.04
08 71 23 00-1401			Stainless Base Material Kick Plate (08 71 23 00-0783)		
08 71 23 00-1402			Satin Stainless Finish, Stainless Kick Plate (08 71 23 00-1401)		
08 71 23 00-1403	EA		8" x 22", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	40.18 1.76 5.60 9.80	6.78
08 71 23 00-1404	EA		8" x 24", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	41.39 1.76 5.60 9.80	6.78



Openings	08	08
Hardware	08 70	
Door Hardware	08 71	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71	23 00-1405	EA	8" x 26", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	42.56 1.76 5.60 9.80	6.78
08 71	23 00-1406	EA	8" x 28", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	43.77 1.76 5.60 9.80	6.78
08 71	23 00-1407	EA	8" x 30", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	46.76 1.76 5.60 9.80	7.23
08 71	23 00-1408	EA	8" x 32", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	47.93 1.76 5.60 9.80	7.23
08 71	23 00-1409	EA	8" x 34", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	49.14 1.76 5.60 9.80	7.23
08 71	23 00-1410	EA	8" x 36", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	50.32 1.76 5.60 9.80	7.23
08 71	23 00-1411	EA	8" x 38", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	53.31 1.76 5.60 9.80	7.69
08 71	23 00-1412	EA	8" x 40", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	54.50 1.76 5.60 9.80	7.69
08 71	23 00-1413	EA	8" x 42", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	55.68 1.76 5.60 9.80	7.69
08 71	23 00-1414	EA	8" x 44", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	58.68 1.76 5.60 9.80	8.14
08 71	23 00-1415	EA	8" x 46", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	59.87 1.76 5.60 9.80	8.14
08 71	23 00-1416	EA	8" x 48", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	61.05 1.76 5.60 9.80	8.14
08 71	23 00-1417	EA	10" x 22", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	43.45 1.76 5.60 9.80	6.78
08 71	23 00-1418	EA	10" x 24", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	44.95 1.76 5.60 9.80	6.78
08 71	23 00-1419	EA	10" x 26", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	46.44 1.76 5.60 9.80	6.78
08 71	23 00-1420	EA	10" x 28", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	47.91 1.76 5.60 9.80	6.78
08 71	23 00-1421	EA	10" x 30", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	51.22 1.76 5.60 9.80	7.23
08 71	23 00-1422	EA	10" x 32", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	52.70 1.76 5.60 9.80	7.23
08 71	23 00-1423	EA	10" x 34", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	54.18 1.76 5.60 9.80	7.23
08 71	23 00-1424	EA	10" x 36", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	55.65 1.76 5.60 9.80	7.23
08 71	23 00-1425	EA	10" x 38", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	58.96 1.76 5.60 9.80	7.69

08 Openings**08 70 Hardware****08 71 Door Hardware**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 23 00-1426	EA		10" x 40", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	60.43 1.76 5.60 9.80	7.69
08 71 23 00-1427	EA		10" x 42", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	61.91 1.76 5.60 9.80	7.69
08 71 23 00-1428	EA		10" x 44", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	65.22 1.76 5.60 9.80	8.14
08 71 23 00-1429	EA		10" x 46", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	66.70 1.76 5.60 9.80	8.14
08 71 23 00-1430	EA		10" x 48", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	68.18 1.76 5.60 9.80	8.14
08 71 23 00-1431	EA		12" x 22", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	46.73 1.76 5.60 9.80	6.78
08 71 23 00-1432	EA		12" x 24", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	48.51 1.76 5.60 9.80	6.78
08 71 23 00-1433	EA		12" x 26", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	50.29 1.76 5.60 9.80	6.78
08 71 23 00-1434	EA		12" x 28", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	52.07 1.76 5.60 9.80	6.78
08 71 23 00-1435	EA		12" x 30", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	55.65 1.76 5.60 9.80	7.23
08 71 23 00-1436	EA		12" x 32", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	57.44 1.76 5.60 9.80	7.23
08 71 23 00-1437	EA		12" x 34", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	59.21 1.76 5.60 9.80	7.23
08 71 23 00-1438	EA		12" x 36", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	61.01 1.76 5.60 9.80	7.23
08 71 23 00-1439	EA		12" x 38", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	64.57 1.76 5.60 9.80	7.69
08 71 23 00-1440	EA		12" x 40", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	66.37 1.76 5.60 9.80	7.69
08 71 23 00-1441	EA		12" x 42", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	68.16 1.76 5.60 9.80	7.69
08 71 23 00-1442	EA		12" x 44", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	71.74 1.76 5.60 9.80	8.14
08 71 23 00-1443	EA		12" x 46", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	73.53 1.76 5.60 9.80	8.14
08 71 23 00-1444	EA		12" x 48", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	75.30 1.76 5.60 9.80	8.14
08 71 23 00-1445	EA		14" x 22", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	51.81 1.76 5.60 9.80	7.23
08 71 23 00-1446	EA		14" x 24", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	53.88 1.76 5.60 9.80	7.23



Openings	08	08
Hardware	08 70	
Door Hardware	08 71	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 23 00-1447 EA 14" x 26", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	55.97 1.76 5.60 9.80	7.23
08 71 23 00-1448 EA 14" x 28", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	58.05 1.76 5.60 9.80	7.23
08 71 23 00-1449 EA 14" x 30", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	61.91 1.76 5.60 9.80	7.69
08 71 23 00-1450 EA 14" x 32", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	64.00 1.76 5.60 9.80	7.69
08 71 23 00-1451 EA 14" x 34", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	66.07 1.76 5.60 9.80	7.69
08 71 23 00-1452 EA 14" x 36", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	68.16 1.76 5.60 9.80	7.69
08 71 23 00-1453 EA 14" x 38", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	72.06 1.76 5.60 9.80	8.14
08 71 23 00-1454 EA 14" x 40", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	74.11 1.76 5.60 9.80	8.14
08 71 23 00-1455 EA 14" x 42", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	76.20 1.76 5.60 9.80	8.14
08 71 23 00-1456 EA 14" x 44", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	80.09 1.76 5.60 9.80	8.59
08 71 23 00-1457 EA 14" x 46", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	82.17 1.76 5.60 9.80	8.59
08 71 23 00-1458 EA 14" x 48", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	84.26 1.76 5.60 9.80	8.59
08 71 23 00-1459 EA 16" x 22", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	56.78 1.76 5.60 9.80	7.23
08 71 23 00-1460 EA 16" x 24", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	59.44 1.76 5.60 9.80	7.23
08 71 23 00-1461 EA 16" x 26", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	61.98 1.76 5.60 9.80	7.23
08 71 23 00-1462 EA 16" x 28", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	64.52 1.76 5.60 9.80	7.23
08 71 23 00-1463 EA 16" x 30", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	68.86 1.76 5.60 9.80	7.69
08 71 23 00-1464 EA 16" x 32", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	71.40 1.76 5.60 9.80	7.69
08 71 23 00-1465 EA 16" x 34", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	73.95 1.76 5.60 9.80	7.69
08 71 23 00-1466 EA 16" x 36", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	76.48 1.76 5.60 9.80	7.69
08 71 23 00-1467 EA 16" x 38", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	80.83 1.76 5.60 9.80	8.14

08 Openings**08 70 Hardware****08 71 Door Hardware**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 23 00-1468	EA		16" x 40", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	83.39	8.14
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 23 00-1469	EA		16" x 42", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	85.94	8.14
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 23 00-1470	EA		16" x 44", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	90.49	8.59
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 23 00-1471	EA		16" x 46", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	92.82	8.59
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 23 00-1472	EA		16" x 48", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	95.37	8.59
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 23 00-1473	EA		18" x 22", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	59.68	7.23
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 23 00-1474	EA		18" x 24", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	62.49	7.23
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 23 00-1475	EA		18" x 26", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	65.27	7.23
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 23 00-1476	EA		18" x 28", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	68.07	7.23
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 23 00-1477	EA		18" x 30", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	72.68	7.69
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 23 00-1478	EA		18" x 32", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	75.46	7.69
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 23 00-1479	EA		18" x 34", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	78.25	7.69
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 23 00-1480	EA		18" x 36", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	81.04	7.69
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 23 00-1481	EA		18" x 38", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	85.65	8.14
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 23 00-1482	EA		18" x 40", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	88.45	8.14
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 23 00-1483	EA		18" x 42", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	91.23	8.14
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 23 00-1484	EA		18" x 44", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	95.85	8.59
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 23 00-1485	EA		18" x 46", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	98.66	8.59
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 23 00-1486	EA		18" x 48", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	101.44	8.59
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 23 00-1487	EA		20" x 22", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	64.90	7.69
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 23 00-1488	EA		20" x 24", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	68.01	7.69
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	



Openings	08	08
Hardware	08 70	
Door Hardware	08 71	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 23 00-1489	EA		20" x 26", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	71.12 6.30 5.60 9.80	7.69
08 71 23 00-1490	EA		20" x 28", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	74.21 6.30 5.60 9.80	7.69
08 71 23 00-1491	EA		20" x 30", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	79.13 6.30 5.60 9.80	8.14
08 71 23 00-1492	EA		20" x 32", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	82.25 6.30 5.60 9.80	8.14
08 71 23 00-1493	EA		20" x 34", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	85.34 6.30 5.60 9.80	8.14
08 71 23 00-1494	EA		20" x 36", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	88.45 6.30 5.60 9.80	8.14
08 71 23 00-1495	EA		20" x 38", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	93.36 6.30 5.60 9.80	8.59
08 71 23 00-1496	EA		20" x 40", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	96.47 6.30 5.60 9.80	8.59
08 71 23 00-1497	EA		20" x 42", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	99.59 6.30 5.60 9.80	8.59
08 71 23 00-1498	EA		20" x 44", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	104.49 6.30 5.60 9.80	9.04
08 71 23 00-1499	EA		20" x 46", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	107.60 6.30 5.60 9.80	9.04
08 71 23 00-1500	EA		20" x 48", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	110.70 6.30 5.60 9.80	9.04
08 71 23 00-1501	EA		22" x 22", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	68.31 6.30 5.60 9.80	7.69
08 71 23 00-1502	EA		22" x 24", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	71.74 6.30 5.60 9.80	7.69
08 71 23 00-1503	EA		22" x 26", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	75.14 6.30 5.60 9.80	7.69
08 71 23 00-1504	EA		22" x 28", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	78.57 6.30 5.60 9.80	7.69
08 71 23 00-1505	EA		22" x 30", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	83.78 6.30 5.60 9.80	8.14
08 71 23 00-1506	EA		22" x 32", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	87.21 6.30 5.60 9.80	8.14
08 71 23 00-1507	EA		22" x 34", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	90.62 6.30 5.60 9.80	8.14
08 71 23 00-1508	EA		22" x 36", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	94.04 6.30 5.60 9.80	8.14
08 71 23 00-1509	EA		22" x 38", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	99.26 6.30 5.60 9.80	8.59

08 Openings**08 70 Hardware****08 71 Door Hardware**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 23 00-1510	EA		22" x 40", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	102.68 6.30 5.60 9.80	8.59
08 71 23 00-1511	EA		22" x 42", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	106.11 6.30 5.60 9.80	8.59
08 71 23 00-1512	EA		22" x 44", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	111.31 6.30 5.60 9.80	9.04
08 71 23 00-1513	EA		22" x 46", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	114.75 6.30 5.60 9.80	9.04
08 71 23 00-1514	EA		22" x 48", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	118.14 6.30 5.60 9.80	9.04
08 71 23 00-1515	EA		24" x 22", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	71.74 6.30 5.60 9.80	7.69
08 71 23 00-1516	EA		24" x 24", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	75.46 6.30 5.60 9.80	7.69
08 71 23 00-1517	EA		24" x 26", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	79.20 6.30 5.60 9.80	7.69
08 71 23 00-1518	EA		24" x 28", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	82.91 6.30 5.60 9.80	7.69
08 71 23 00-1519	EA		24" x 30", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	88.45 6.30 5.60 9.80	8.14
08 71 23 00-1520	EA		24" x 32", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	92.18 6.30 5.60 9.80	8.14
08 71 23 00-1521	EA		24" x 34", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	95.90 6.30 5.60 9.80	8.14
08 71 23 00-1522	EA		24" x 36", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	99.63 6.30 5.60 9.80	8.14
08 71 23 00-1523	EA		24" x 38", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	105.17 6.30 5.60 9.80	8.59
08 71 23 00-1524	EA		24" x 40", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	108.89 6.30 5.60 9.80	8.59
08 71 23 00-1525	EA		24" x 42", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	112.62 6.30 5.60 9.80	8.59
08 71 23 00-1526	EA		24" x 44", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	118.14 6.30 5.60 9.80	9.04
08 71 23 00-1527	EA		24" x 46", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	121.88 6.30 5.60 9.80	9.04
08 71 23 00-1528	EA		24" x 48", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	125.62 6.30 5.60 9.80	9.04
08 71 23 00-1529			Bright Stainless Finish, Stainless Kick Plate (08 71 23 00-1401)		
08 71 23 00-1530	EA		8" x 22", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	57.21 1.76 5.60 9.80	6.78



Openings	08	08
Hardware	08 70	
Door Hardware	08 71	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 23 00-1531	EA		8" x 24", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	59.96 1.76 5.60 9.80	6.78
08 71 23 00-1532	EA		8" x 26", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	62.69 1.76 5.60 9.80	6.78
08 71 23 00-1533	EA		8" x 28", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	65.42 1.76 5.60 9.80	6.78
08 71 23 00-1534	EA		8" x 30", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	69.96 1.76 5.60 9.80	7.23
08 71 23 00-1535	EA		8" x 32", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	72.70 1.76 5.60 9.80	7.23
08 71 23 00-1536	EA		8" x 34", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	75.43 1.76 5.60 9.80	7.23
08 71 23 00-1537	EA		8" x 36", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	78.18 1.76 5.60 9.80	7.23
08 71 23 00-1538	EA		8" x 38", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	82.69 1.76 5.60 9.80	7.69
08 71 23 00-1539	EA		8" x 40", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	85.44 1.76 5.60 9.80	7.69
08 71 23 00-1540	EA		8" x 42", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	88.18 1.76 5.60 9.80	7.69
08 71 23 00-1541	EA		8" x 44", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	92.72 1.76 5.60 9.80	8.14
08 71 23 00-1542	EA		8" x 46", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	95.45 1.76 5.60 9.80	8.14
08 71 23 00-1543	EA		8" x 48", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	98.18 1.76 5.60 9.80	8.14
08 71 23 00-1544	EA		10" x 22", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	64.74 1.76 5.60 9.80	6.78
08 71 23 00-1545	EA		10" x 24", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	68.15 1.76 5.60 9.80	6.78
08 71 23 00-1546	EA		10" x 26", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	71.58 1.76 5.60 9.80	6.78
08 71 23 00-1547	EA		10" x 28", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	75.00 1.76 5.60 9.80	6.78
08 71 23 00-1548	EA		10" x 30", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	80.22 1.76 5.60 9.80	7.23
08 71 23 00-1549	EA		10" x 32", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	83.64 1.76 5.60 9.80	7.23
08 71 23 00-1550	EA		10" x 34", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	87.07 1.76 5.60 9.80	7.23
08 71 23 00-1551	EA		10" x 36", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	90.49 1.76 5.60 9.80	7.23

08 Openings**08 70 Hardware****08 71 Door Hardware**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71	23 00-1552	EA	10" x 38", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	95.70 1.76 5.60 9.80	7.69
08 71	23 00-1553	EA	10" x 40", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	99.12 1.76 5.60 9.80	7.69
08 71	23 00-1554	EA	10" x 42", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	102.55 1.76 5.60 9.80	7.69
08 71	23 00-1555	EA	10" x 44", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	107.75 1.76 5.60 9.80	8.14
08 71	23 00-1556	EA	10" x 46", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	111.19 1.76 5.60 9.80	8.14
08 71	23 00-1557	EA	10" x 48", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	114.61 1.76 5.60 9.80	8.14
08 71	23 00-1558	EA	12" x 22", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	72.25 1.76 5.60 9.80	6.78
08 71	23 00-1559	EA	12" x 24", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	76.37 1.76 5.60 9.80	6.78
08 71	23 00-1560	EA	12" x 26", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	80.47 1.76 5.60 9.80	6.78
08 71	23 00-1561	EA	12" x 28", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	84.57 1.76 5.60 9.80	6.78
08 71	23 00-1562	EA	12" x 30", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	90.49 1.76 5.60 9.80	7.23
08 71	23 00-1563	EA	12" x 32", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	94.57 1.76 5.60 9.80	7.23
08 71	23 00-1564	EA	12" x 34", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	98.68 1.76 5.60 9.80	7.23
08 71	23 00-1565	EA	12" x 36", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	102.79 1.76 5.60 9.80	7.23
08 71	23 00-1566	EA	12" x 38", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	108.69 1.76 5.60 9.80	7.69
08 71	23 00-1567	EA	12" x 40", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	112.80 1.76 5.60 9.80	7.69
08 71	23 00-1568	EA	12" x 42", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	116.89 1.76 5.60 9.80	7.69
08 71	23 00-1569	EA	12" x 44", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	122.81 1.76 5.60 9.80	8.14
08 71	23 00-1570	EA	12" x 46", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	126.91 1.76 5.60 9.80	8.14
08 71	23 00-1571	EA	12" x 48", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	131.01 1.76 5.60 9.80	8.14
08 71	23 00-1572	EA	14" x 22", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	81.60 1.76 5.60 9.80	7.23



Openings	08	08
Hardware	08 70	
Door Hardware	08 71	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71	23 00-1573	EA	14" x 24", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	86.38 1.76 5.60 9.80	7.23
08 71	23 00-1574	EA	14" x 26", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	91.17 1.76 5.60 9.80	7.23
08 71	23 00-1575	EA	14" x 28", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	95.96 1.76 5.60 9.80	7.23
08 71	23 00-1576	EA	14" x 30", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	102.55 1.76 5.60 9.80	7.69
08 71	23 00-1577	EA	14" x 32", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	107.32 1.76 5.60 9.80	7.69
08 71	23 00-1578	EA	14" x 34", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	112.11 1.76 5.60 9.80	7.69
08 71	23 00-1579	EA	14" x 36", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	116.89 1.76 5.60 9.80	7.69
08 71	23 00-1580	EA	14" x 38", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	123.50 1.76 5.60 9.80	8.14
08 71	23 00-1581	EA	14" x 40", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	128.29 1.76 5.60 9.80	8.14
08 71	23 00-1582	EA	14" x 42", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	133.07 1.76 5.60 9.80	8.14
08 71	23 00-1583	EA	14" x 44", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	139.67 1.76 5.60 9.80	8.59
08 71	23 00-1584	EA	14" x 46", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	144.44 1.76 5.60 9.80	8.59
08 71	23 00-1585	EA	14" x 48", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	149.22 1.76 5.60 9.80	8.59
08 71	23 00-1586	EA	16" x 22", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	89.11 1.76 5.60 9.80	7.23
08 71	23 00-1587	EA	16" x 24", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	94.57 1.76 5.60 9.80	7.23
08 71	23 00-1588	EA	16" x 26", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	100.06 1.76 5.60 9.80	7.23
08 71	23 00-1589	EA	16" x 28", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	105.52 1.76 5.60 9.80	7.23
08 71	23 00-1590	EA	16" x 30", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	112.80 1.76 5.60 9.80	7.69
08 71	23 00-1591	EA	16" x 32", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	118.27 1.76 5.60 9.80	7.69
08 71	23 00-1592	EA	16" x 34", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	123.73 1.76 5.60 9.80	7.69
08 71	23 00-1593	EA	16" x 36", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	129.20 1.76 5.60 9.80	7.69

08 Openings**08 70 Hardware****08 71 Door Hardware**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 23 00-1594	EA		16" x 38", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate.....	136.48	8.14
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 23 00-1595	EA		16" x 40", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate.....	141.94	8.14
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 23 00-1596	EA		16" x 42", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate.....	147.41	8.14
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 23 00-1597	EA		16" x 44", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate.....	154.70	8.59
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 23 00-1598	EA		16" x 46", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate.....	160.18	8.59
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 23 00-1599	EA		16" x 48", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate.....	165.65	8.59
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 23 00-1600	EA		18" x 22", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate.....	97.43	7.23
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 23 00-1601	EA		18" x 24", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate.....	103.68	7.23
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 23 00-1602	EA		18" x 26", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate.....	109.89	7.23
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 23 00-1603	EA		18" x 28", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate.....	116.14	7.23
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 23 00-1604	EA		18" x 30", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate.....	124.16	7.69
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 23 00-1605	EA		18" x 32", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate.....	130.37	7.69
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 23 00-1606	EA		18" x 34", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate.....	136.62	7.69
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 23 00-1607	EA		18" x 36", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate.....	146.38	7.69
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 23 00-1608	EA		18" x 38", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate.....	150.88	8.14
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 23 00-1609	EA		18" x 40", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate.....	157.11	8.14
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 23 00-1610	EA		18" x 42", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate.....	163.33	8.14
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 23 00-1611	EA		18" x 44", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate.....	171.37	8.59
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 23 00-1612	EA		18" x 46", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate.....	177.60	8.59
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 23 00-1613	EA		18" x 48", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate.....	183.82	8.59
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 23 00-1614	EA		20" x 22", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate.....	106.86	7.69
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	



Openings	08	08
Hardware	08 70	
Door Hardware	08 71	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71	23 00-1615	EA	20" x 24", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	113.77 6.30 5.60 9.80	7.69
08 71	23 00-1616	EA	20" x 26", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	120.70 6.30 5.60 9.80	7.69
08 71	23 00-1617	EA	20" x 28", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	127.61 6.30 5.60 9.80	7.69
08 71	23 00-1618	EA	20" x 30", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	136.34 6.30 5.60 9.80	8.14
08 71	23 00-1619	EA	20" x 32", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	143.27 6.30 5.60 9.80	8.14
08 71	23 00-1620	EA	20" x 34", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	150.17 6.30 5.60 9.80	8.14
08 71	23 00-1621	EA	20" x 36", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	157.11 6.30 5.60 9.80	8.14
08 71	23 00-1622	EA	20" x 38", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	165.82 6.30 5.60 9.80	8.59
08 71	23 00-1623	EA	20" x 40", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	172.75 6.30 5.60 9.80	8.59
08 71	23 00-1624	EA	20" x 42", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	179.67 6.30 5.60 9.80	8.59
08 71	23 00-1625	EA	20" x 44", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	188.39 6.30 5.60 9.80	9.04
08 71	23 00-1626	EA	20" x 46", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	195.32 6.30 5.60 9.80	9.04
08 71	23 00-1627	EA	20" x 48", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	202.23 6.30 5.60 9.80	9.04
08 71	23 00-1628	EA	22" x 22", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	114.47 6.30 5.60 9.80	7.69
08 71	23 00-1629	EA	22" x 24", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	122.08 6.30 5.60 9.80	7.69
08 71	23 00-1630	EA	22" x 26", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	129.68 6.30 5.60 9.80	7.69
08 71	23 00-1631	EA	22" x 28", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	137.29 6.30 5.60 9.80	7.69
08 71	23 00-1632	EA	22" x 30", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	146.72 6.30 5.60 9.80	8.14
08 71	23 00-1633	EA	22" x 32", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	154.34 6.30 5.60 9.80	8.14
08 71	23 00-1634	EA	22" x 34", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	161.95 6.30 5.60 9.80	8.14
08 71	23 00-1635	EA	22" x 36", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	169.56 6.30 5.60 9.80	8.14

08 Openings**08 70 Hardware****08 71 Door Hardware**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 23 00-1636	EA		22" x 38", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	178.98	8.59
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 23 00-1637	EA		22" x 40", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	186.58	8.59
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 23 00-1638	EA		22" x 42", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	194.19	8.59
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 23 00-1639	EA		22" x 44", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	203.61	9.04
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 23 00-1640	EA		22" x 46", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	211.24	9.04
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 23 00-1641	EA		22" x 48", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	218.84	9.04
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 23 00-1642	EA		24" x 22", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	122.08	7.69
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 23 00-1643	EA		24" x 24", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	130.37	7.69
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 23 00-1644	EA		24" x 26", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	138.68	7.69
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 23 00-1645	EA		24" x 28", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	146.98	7.69
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 23 00-1646	EA		24" x 30", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	157.11	8.14
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 23 00-1647	EA		24" x 32", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	165.40	8.14
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 23 00-1648	EA		24" x 34", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	173.70	8.14
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 23 00-1649	EA		24" x 36", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	182.01	8.14
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 23 00-1650	EA		24" x 38", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	192.13	8.59
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 23 00-1651	EA		24" x 40", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	200.42	8.59
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 23 00-1652	EA		24" x 42", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	208.73	8.59
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 23 00-1653	EA		24" x 44", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	218.84	9.04
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 23 00-1654	EA		24" x 46", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	227.16	9.04
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 23 00-1655	EA		24" x 48", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	235.45	9.04
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	

08 71 23 00-1656 Plastic Kick Plate (08 71 23 00-0763)08 71 23 00-1657 Clear Or Black Finish, Plastic Kick Plate (08 71 23 00-1656)

Note: With four beveled edges.

08 Openings**08 70 Hardware****08 71 Door Hardware**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

08 71 23 00-1739	EA	18" x 44", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	83.56	8.59
08 71 23 00-1740	EA	18" x 46", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	85.79	8.59
08 71 23 00-1741	EA	18" x 48", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	88.04	8.59
08 71 23 00-1742	EA	20" x 22", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	58.07	7.69
08 71 23 00-1743	EA	20" x 24", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	60.56	7.69
08 71 23 00-1744	EA	20" x 26", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	63.04	7.69
08 71 23 00-1745	EA	20" x 28", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	65.53	7.69
08 71 23 00-1746	EA	20" x 30", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	69.83	8.14
08 71 23 00-1747	EA	20" x 32", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	72.30	8.14
08 71 23 00-1748	EA	20" x 34", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	74.79	8.14
08 71 23 00-1749	EA	20" x 36", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	77.28	8.14
08 71 23 00-1750	EA	20" x 38", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	81.57	8.59
08 71 23 00-1751	EA	20" x 40", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	84.06	8.59
08 71 23 00-1752	EA	20" x 42", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	86.53	8.59
08 71 23 00-1753	EA	20" x 44", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	90.83	9.04
08 71 23 00-1754	EA	20" x 46", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	93.32	9.04
08 71 23 00-1755	EA	20" x 48", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	95.80	9.04
08 71 23 00-1756	EA	22" x 22", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	60.81	7.69
08 71 23 00-1757	EA	22" x 24", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	63.53	7.69
08 71 23 00-1758	EA	22" x 26", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	66.27	7.69
08 71 23 00-1759	EA	22" x 28", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	68.99	7.69
08 71 23 00-1760	EA	22" x 30", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	73.55	8.14
08 71 23 00-1761	EA	22" x 32", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	76.29	8.14
08 71 23 00-1762	EA	22" x 34", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	79.01	8.14
08 71 23 00-1763	EA	22" x 36", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	81.75	8.14
08 71 23 00-1764	EA	22" x 38", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	86.28	8.59
08 71 23 00-1765	EA	22" x 40", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	89.02	8.59
08 71 23 00-1766	EA	22" x 42", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	91.76	8.59
08 71 23 00-1767	EA	22" x 44", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	96.29	9.04
08 71 23 00-1768	EA	22" x 46", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	99.03	9.04
08 71 23 00-1769	EA	22" x 48", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	101.75	9.04
08 71 23 00-1770	EA	24" x 22", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	63.53	7.69
08 71 23 00-1771	EA	24" x 24", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	66.51	7.69
08 71 23 00-1772	EA	24" x 26", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	69.51	7.69
08 71 23 00-1773	EA	24" x 28", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	72.49	7.69
08 71 23 00-1774	EA	24" x 30", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	77.28	8.14
08 71 23 00-1775	EA	24" x 32", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	80.25	8.14
08 71 23 00-1776	EA	24" x 34", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	83.23	8.14
08 71 23 00-1777	EA	24" x 36", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	86.23	8.14
08 71 23 00-1778	EA	24" x 38", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	91.02	8.59
08 71 23 00-1779	EA	24" x 40", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	93.99	8.59
08 71 23 00-1780	EA	24" x 42", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	96.97	8.59
08 71 23 00-1781	EA	24" x 44", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	101.75	9.04
08 71 23 00-1782	EA	24" x 46", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	104.76	9.04
08 71 23 00-1783	EA	24" x 48", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	107.74	9.04

08 71 23 00-1784 Mop Plate (08 71 23 00-0762)
Note: Ives 8400.

08 71 23 00-1785 Aluminum Base Material Mop Plate (08 71 23 00-1784)

08 71 23 00-1786 Satin Aluminum Finish, Aluminum Mop Plate (08 71 23 00-1785)

08 71 23 00-1787	EA	4" x 22", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate	33.08	6.60
		For Four Beveled Edges, Add	1.76	
		For Counter Sink Holes, Add	5.60	
		For UL Label (Fire Rated), Add	9.80	
08 71 23 00-1788	EA	4" x 24", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate	33.70	6.60
		For Four Beveled Edges, Add	1.76	
		For Counter Sink Holes, Add	5.60	
		For UL Label (Fire Rated), Add	9.80	
08 71 23 00-1789	EA	4" x 26", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate	34.31	6.60
		For Four Beveled Edges, Add	1.76	
		For Counter Sink Holes, Add	5.60	
		For UL Label (Fire Rated), Add	9.80	
08 71 23 00-1790	EA	4" x 28", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate	34.93	6.60
		For Four Beveled Edges, Add	1.76	
		For Counter Sink Holes, Add	5.60	
		For UL Label (Fire Rated), Add	9.80	
08 71 23 00-1791	EA	4" x 30", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate	36.65	6.87
		For Four Beveled Edges, Add	1.76	
		For Counter Sink Holes, Add	5.60	
		For UL Label (Fire Rated), Add	9.80	
08 71 23 00-1792	EA	4" x 32", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate	37.25	6.87
		For Four Beveled Edges, Add	1.76	
		For Counter Sink Holes, Add	5.60	
		For UL Label (Fire Rated), Add	9.80	
08 71 23 00-1793	EA	4" x 34", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate	37.87	6.87
		For Four Beveled Edges, Add	1.76	
		For Counter Sink Holes, Add	5.60	
		For UL Label (Fire Rated), Add	9.80	



Openings	08	08
Hardware	08 70	
Door Hardware	08 71	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 23 00-1794	EA		4" x 36", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	38.47 1.76 5.60 9.80	6.87
08 71 23 00-1795	EA		4" x 38", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	40.64 1.76 5.60 9.80	7.23
08 71 23 00-1796	EA		4" x 40", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	41.25 1.76 5.60 9.80	7.23
08 71 23 00-1797	EA		4" x 42", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	41.87 1.76 5.60 9.80	7.23
08 71 23 00-1798	EA		4" x 44", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	44.28 1.76 5.60 9.80	7.69
08 71 23 00-1799	EA		4" x 46", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	44.90 1.76 5.60 9.80	7.69
08 71 23 00-1800	EA		4" x 48", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	45.50 1.76 5.60 9.80	7.69
08 71 23 00-1801	EA		6" x 22", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	36.46 1.76 5.60 9.80	6.60
08 71 23 00-1802	EA		6" x 24", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	37.38 1.76 5.60 9.80	6.60
08 71 23 00-1803	EA		6" x 26", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	38.32 1.76 5.60 9.80	6.60
08 71 23 00-1804	EA		6" x 28", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	39.24 1.76 5.60 9.80	6.60
08 71 23 00-1805	EA		6" x 30", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	41.26 1.76 5.60 9.80	6.87
08 71 23 00-1806	EA		6" x 32", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	42.16 1.76 5.60 9.80	6.87
08 71 23 00-1807	EA		6" x 34", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	43.11 1.76 5.60 9.80	6.87
08 71 23 00-1808	EA		6" x 36", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	44.02 1.76 5.60 9.80	6.87
08 71 23 00-1809	EA		6" x 38", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	46.49 1.76 5.60 9.80	7.23
08 71 23 00-1810	EA		6" x 40", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	47.41 1.76 5.60 9.80	7.23
08 71 23 00-1811	EA		6" x 42", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	48.34 1.76 5.60 9.80	7.23
08 71 23 00-1812	EA		6" x 44", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	51.06 1.76 5.60 9.80	7.69
08 71 23 00-1813	EA		6" x 46", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	51.99 1.76 5.60 9.80	7.69
08 71 23 00-1814	EA		6" x 48", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	52.90 1.76 5.60 9.80	7.69

08 Openings

08 70 Hardware

08 71 Door Hardware



MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
08 71 23 00-1815		Brass Base Material Mop Plate (08 71 23 00-1784)			
08 71 23 00-1816		Bright/Satin Brass Finish, Brass Mop Plate (08 71 23 00-1815)			
08 71 23 00-1817	EA	4" x 22", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate.....	46.08		6.60
		For Four Beveled Edges, Add	1.76		
		For Counter Sink Holes, Add	5.60		
		For UL Label (Fire Rated), Add	9.80		
08 71 23 00-1818	EA	4" x 24", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate.....	47.89		6.60
		For Four Beveled Edges, Add	1.76		
		For Counter Sink Holes, Add	5.60		
		For UL Label (Fire Rated), Add	9.80		
08 71 23 00-1819	EA	4" x 26", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate.....	49.68		6.60
		For Four Beveled Edges, Add	1.76		
		For Counter Sink Holes, Add	5.60		
		For UL Label (Fire Rated), Add	9.80		
08 71 23 00-1820	EA	4" x 28", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate.....	51.49		6.60
		For Four Beveled Edges, Add	1.76		
		For Counter Sink Holes, Add	5.60		
		For UL Label (Fire Rated), Add	9.80		
08 71 23 00-1821	EA	4" x 30", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate.....	54.37		6.87
		For Four Beveled Edges, Add	1.76		
		For Counter Sink Holes, Add	5.60		
		For UL Label (Fire Rated), Add	9.80		
08 71 23 00-1822	EA	4" x 32", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate.....	56.16		6.87
		For Four Beveled Edges, Add	1.76		
		For Counter Sink Holes, Add	5.60		
		For UL Label (Fire Rated), Add	9.80		
08 71 23 00-1823	EA	4" x 34", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate.....	57.97		6.87
		For Four Beveled Edges, Add	1.76		
		For Counter Sink Holes, Add	5.60		
		For UL Label (Fire Rated), Add	9.80		
08 71 23 00-1824	EA	4" x 36", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate.....	59.76		6.87
		For Four Beveled Edges, Add	1.76		
		For Counter Sink Holes, Add	5.60		
		For UL Label (Fire Rated), Add	9.80		
08 71 23 00-1825	EA	4" x 38", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate.....	63.10		7.23
		For Four Beveled Edges, Add	1.76		
		For Counter Sink Holes, Add	5.60		
		For UL Label (Fire Rated), Add	9.80		
08 71 23 00-1826	EA	4" x 40", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate.....	64.90		7.23
		For Four Beveled Edges, Add	1.76		
		For Counter Sink Holes, Add	5.60		
		For UL Label (Fire Rated), Add	9.80		
08 71 23 00-1827	EA	4" x 42", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate.....	66.69		7.23
		For Four Beveled Edges, Add	1.76		
		For Counter Sink Holes, Add	5.60		
		For UL Label (Fire Rated), Add	9.80		
08 71 23 00-1828	EA	4" x 44", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate.....	70.29		7.69
		For Four Beveled Edges, Add	1.76		
		For Counter Sink Holes, Add	5.60		
		For UL Label (Fire Rated), Add	9.80		
08 71 23 00-1829	EA	4" x 46", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate.....	72.09		7.69
		For Four Beveled Edges, Add	1.76		
		For Counter Sink Holes, Add	5.60		
		For UL Label (Fire Rated), Add	9.80		
08 71 23 00-1830	EA	4" x 48", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate.....	73.90		7.69
		For Four Beveled Edges, Add	1.76		
		For Counter Sink Holes, Add	5.60		
		For UL Label (Fire Rated), Add	9.80		
08 71 23 00-1831	EA	6" x 22", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate.....	55.98		6.60
		For Four Beveled Edges, Add	1.76		
		For Counter Sink Holes, Add	5.60		
		For UL Label (Fire Rated), Add	9.80		
08 71 23 00-1832	EA	6" x 24", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate.....	58.67		6.60
		For Four Beveled Edges, Add	1.76		
		For Counter Sink Holes, Add	5.60		
		For UL Label (Fire Rated), Add	9.80		
08 71 23 00-1833	EA	6" x 26", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate.....	61.37		6.60
		For Four Beveled Edges, Add	1.76		
		For Counter Sink Holes, Add	5.60		
		For UL Label (Fire Rated), Add	9.80		
08 71 23 00-1834	EA	6" x 28", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate.....	64.06		6.60
		For Four Beveled Edges, Add	1.76		
		For Counter Sink Holes, Add	5.60		
		For UL Label (Fire Rated), Add	9.80		
08 71 23 00-1835	EA	6" x 30", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate.....	67.85		6.87
		For Four Beveled Edges, Add	1.76		
		For Counter Sink Holes, Add	5.60		
		For UL Label (Fire Rated), Add	9.80		
08 71 23 00-1836	EA	6" x 32", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate.....	70.56		6.87
		For Four Beveled Edges, Add	1.76		
		For Counter Sink Holes, Add	5.60		
		For UL Label (Fire Rated), Add	9.80		



Openings	08	08
Hardware	08 70	
Door Hardware	08 71	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 23 00-1837	EA		6" x 34", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	73.24 1.76 5.60 9.80	6.87
08 71 23 00-1838	EA		6" x 36", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	75.95 1.76 5.60 9.80	6.87
08 71 23 00-1839	EA		6" x 38", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	80.17 1.76 5.60 9.80	7.23
08 71 23 00-1840	EA		6" x 40", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	82.88 1.76 5.60 9.80	7.23
08 71 23 00-1841	EA		6" x 42", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	85.58 1.76 5.60 9.80	7.23
08 71 23 00-1842	EA		6" x 44", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	90.07 1.76 5.60 9.80	7.69
08 71 23 00-1843	EA		6" x 46", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	92.77 1.76 5.60 9.80	7.69
08 71 23 00-1844	EA		6" x 48", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	95.46 1.76 5.60 9.80	7.69
08 71 23 00-1845 Bright/Satin Chrome Finish, Brass Mop Plate (08 71 23 00-1815)					
08 71 23 00-1846	EA		4" x 22", 0.050" Thick, Bright/Satin Chrome Finish, Brass Mop Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	47.95 1.76 5.60 9.80	6.60
08 71 23 00-1847	EA		4" x 24", 0.050" Thick, Bright/Satin Chrome Finish, Brass Mop Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	49.91 1.76 5.60 9.80	6.60
08 71 23 00-1848	EA		4" x 26", 0.050" Thick, Bright/Satin Chrome Finish, Brass Mop Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	51.88 1.76 5.60 9.80	6.60
08 71 23 00-1849	EA		4" x 28", 0.050" Thick, Bright/Satin Chrome Finish, Brass Mop Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	53.85 1.76 5.60 9.80	6.60
08 71 23 00-1850	EA		4" x 30", 0.050" Thick, Bright/Satin Chrome Finish, Brass Mop Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	56.89 1.76 5.60 9.80	6.87
08 71 23 00-1851	EA		4" x 32", 0.050" Thick, Bright/Satin Chrome Finish, Brass Mop Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	58.86 1.76 5.60 9.80	6.87
08 71 23 00-1852	EA		4" x 34", 0.050" Thick, Bright/Satin Chrome Finish, Brass Mop Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	60.83 1.76 5.60 9.80	6.87
08 71 23 00-1853	EA		4" x 36", 0.050" Thick, Bright/Satin Chrome Finish, Brass Mop Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	62.79 1.76 5.60 9.80	6.87
08 71 23 00-1854	EA		4" x 38", 0.050" Thick, Bright/Satin Chrome Finish, Brass Mop Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	66.30 1.76 5.60 9.80	7.23
08 71 23 00-1855	EA		4" x 40", 0.050" Thick, Bright/Satin Chrome Finish, Brass Mop Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	68.28 1.76 5.60 9.80	7.23
08 71 23 00-1856	EA		4" x 42", 0.050" Thick, Bright/Satin Chrome Finish, Brass Mop Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	70.25 1.76 5.60 9.80	7.23
08 71 23 00-1857	EA		4" x 44", 0.050" Thick, Bright/Satin Chrome Finish, Brass Mop Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	74.02 1.76 5.60 9.80	7.69

08 Openings**08 70 Hardware****08 71 Door Hardware**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 23 00-1858	EA		4" x 46", 0.050" Thick, Bright/Satin Chrome Finish, Brass Mop Plate.....	75.98	7.69
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 23 00-1859	EA		4" x 48", 0.050" Thick, Bright/Satin Chrome Finish, Brass Mop Plate.....	77.95	7.69
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 23 00-1860	EA		6" x 22", 0.050" Thick, Bright/Satin Chrome Finish, Brass Mop Plate.....	58.76	6.60
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 23 00-1861	EA		6" x 24", 0.050" Thick, Bright/Satin Chrome Finish, Brass Mop Plate.....	61.70	6.60
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 23 00-1862	EA		6" x 26", 0.050" Thick, Bright/Satin Chrome Finish, Brass Mop Plate.....	64.66	6.60
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 23 00-1863	EA		6" x 28", 0.050" Thick, Bright/Satin Chrome Finish, Brass Mop Plate.....	67.62	6.60
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 23 00-1864	EA		6" x 30", 0.050" Thick, Bright/Satin Chrome Finish, Brass Mop Plate.....	71.65	6.87
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 23 00-1865	EA		6" x 32", 0.050" Thick, Bright/Satin Chrome Finish, Brass Mop Plate.....	74.61	6.87
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 23 00-1866	EA		6" x 34", 0.050" Thick, Bright/Satin Chrome Finish, Brass Mop Plate.....	77.54	6.87
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 23 00-1867	EA		6" x 36", 0.050" Thick, Bright/Satin Chrome Finish, Brass Mop Plate.....	80.50	6.87
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 23 00-1868	EA		6" x 38", 0.050" Thick, Bright/Satin Chrome Finish, Brass Mop Plate.....	85.00	7.23
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 23 00-1869	EA		6" x 40", 0.050" Thick, Bright/Satin Chrome Finish, Brass Mop Plate.....	87.94	7.23
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 23 00-1870	EA		6" x 42", 0.050" Thick, Bright/Satin Chrome Finish, Brass Mop Plate.....	90.90	7.23
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 23 00-1871	EA		6" x 44", 0.050" Thick, Bright/Satin Chrome Finish, Brass Mop Plate.....	95.64	7.69
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 23 00-1872	EA		6" x 46", 0.050" Thick, Bright/Satin Chrome Finish, Brass Mop Plate.....	98.60	7.69
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 23 00-1873	EA		6" x 48", 0.050" Thick, Bright/Satin Chrome Finish, Brass Mop Plate.....	101.55	7.69
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 23 00-1874			Satin/Dark Bronze Finish, Brass Mop Plate <small>(08 71 23 00-1815)</small>		
08 71 23 00-1875	EA		4" x 22", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate.....	48.30	6.60
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 23 00-1876	EA		4" x 24", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate.....	50.30	6.60
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 23 00-1877	EA		4" x 26", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate.....	52.30	6.60
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 23 00-1878	EA		4" x 28", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate.....	54.29	6.60
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	



Openings	08	08
Hardware	08 70	
Door Hardware	08 71	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 23 00-1879	EA		4" x 30", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate.....	57.39	6.87
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 23 00-1880	EA		4" x 32", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate.....	59.39	6.87
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 23 00-1881	EA		4" x 34", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate.....	61.40	6.87
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 23 00-1882	EA		4" x 36", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate.....	63.40	6.87
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 23 00-1883	EA		4" x 38", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate.....	66.93	7.23
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 23 00-1884	EA		4" x 40", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate.....	68.93	7.23
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 23 00-1885	EA		4" x 42", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate.....	70.93	7.23
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 23 00-1886	EA		4" x 44", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate.....	74.74	7.69
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 23 00-1887	EA		4" x 46", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate.....	76.74	7.69
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 23 00-1888	EA		4" x 48", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate.....	78.73	7.69
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 23 00-1889	EA		6" x 22", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate.....	59.29	6.60
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 23 00-1890	EA		6" x 24", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate.....	62.31	6.60
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 23 00-1891	EA		6" x 26", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate.....	65.31	6.60
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 23 00-1892	EA		6" x 28", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate.....	74.14	6.60
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 23 00-1893	EA		6" x 30", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate.....	72.39	6.87
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 23 00-1894	EA		6" x 32", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate.....	75.39	6.87
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 23 00-1895	EA		6" x 34", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate.....	78.38	6.87
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 23 00-1896	EA		6" x 36", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate.....	81.38	6.87
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 23 00-1897	EA		6" x 38", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate.....	85.94	7.23
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 23 00-1898	EA		6" x 40", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate.....	88.93	7.23
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	
08 71 23 00-1899	EA		6" x 42", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate.....	91.93	7.23
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For Counter Sink Holes, Add</i>	5.60	
			<i>For UL Label (Fire Rated), Add</i>	9.80	

08 Openings**08 70 Hardware****08 71 Door Hardware**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 23 00-1900	EA		6" x 44", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	96.72 1.76 5.60 9.80	7.69
08 71 23 00-1901	EA		6" x 46", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	99.72 1.76 5.60 9.80	7.69
08 71 23 00-1902	EA		6" x 48", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	102.71 1.76 5.60 9.80	7.69
08 71 23 00-1903			Satin Nickel Finish, Brass Mop Plate <small>(08 71 23 00-1815)</small>		
08 71 23 00-1904	EA		4" x 22", 0.050" Thick, Satin/Nickel Finish, Brass Mop Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	48.73 1.76 5.60 9.80	6.60
08 71 23 00-1905	EA		4" x 24", 0.050" Thick, Satin/Nickel Finish, Brass Mop Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	50.75 1.76 5.60 9.80	6.60
08 71 23 00-1906	EA		4" x 26", 0.050" Thick, Satin/Nickel Finish, Brass Mop Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	52.80 1.76 5.60 9.80	6.60
08 71 23 00-1907	EA		4" x 28", 0.050" Thick, Satin/Nickel Finish, Brass Mop Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	54.84 1.76 5.60 9.80	6.60
08 71 23 00-1908	EA		4" x 30", 0.050" Thick, Satin/Nickel Finish, Brass Mop Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	57.97 1.76 5.60 9.80	6.87
08 71 23 00-1909	EA		4" x 32", 0.050" Thick, Satin/Nickel Finish, Brass Mop Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	60.00 1.76 5.60 9.80	6.87
08 71 23 00-1910	EA		4" x 34", 0.050" Thick, Satin/Nickel Finish, Brass Mop Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	62.04 1.76 5.60 9.80	6.87
08 71 23 00-1911	EA		4" x 36", 0.050" Thick, Satin/Nickel Finish, Brass Mop Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	64.08 1.76 5.60 9.80	6.87
08 71 23 00-1912	EA		4" x 38", 0.050" Thick, Satin/Nickel Finish, Brass Mop Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	67.67 1.76 5.60 9.80	7.23
08 71 23 00-1913	EA		4" x 40", 0.050" Thick, Satin/Nickel Finish, Brass Mop Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	69.70 1.76 5.60 9.80	7.23
08 71 23 00-1914	EA		4" x 42", 0.050" Thick, Satin/Nickel Finish, Brass Mop Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	71.72 1.76 5.60 9.80	7.23
08 71 23 00-1915	EA		4" x 44", 0.050" Thick, Satin/Nickel Finish, Brass Mop Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	75.58 1.76 5.60 9.80	7.69
08 71 23 00-1916	EA		4" x 46", 0.050" Thick, Satin/Nickel Finish, Brass Mop Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	77.62 1.76 5.60 9.80	7.69
08 71 23 00-1917	EA		4" x 48", 0.050" Thick, Satin/Nickel Finish, Brass Mop Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	79.63 1.76 5.60 9.80	7.69
08 71 23 00-1918	EA		6" x 22", 0.050" Thick, Satin/Nickel Finish, Brass Mop Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	59.93 1.76 5.60 9.80	6.60
08 71 23 00-1919	EA		6" x 24", 0.050" Thick, Satin/Nickel Finish, Brass Mop Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	62.99 1.76 5.60 9.80	6.60
08 71 23 00-1920	EA		6" x 26", 0.050" Thick, Satin/Nickel Finish, Brass Mop Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	66.04 1.76 5.60 9.80	6.60



Openings	08	08
Hardware	08 70	
Door Hardware	08 71	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 23 00-1921	EA		6" x 28", 0.050" Thick, Satin/Nickel Finish, Brass Mop Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	69.09 1.76 5.60 9.80	6.60
08 71 23 00-1922	EA		6" x 30", 0.050" Thick, Satin/Nickel Finish, Brass Mop Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	73.24 1.76 5.60 9.80	6.87
08 71 23 00-1923	EA		6" x 32", 0.050" Thick, Satin/Nickel Finish, Brass Mop Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	76.29 1.76 5.60 9.80	6.87
08 71 23 00-1924	EA		6" x 34", 0.050" Thick, Satin/Nickel Finish, Brass Mop Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	79.35 1.76 5.60 9.80	6.87
08 71 23 00-1925	EA		6" x 36", 0.050" Thick, Satin/Nickel Finish, Brass Mop Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	82.41 1.76 5.60 9.80	6.87
08 71 23 00-1926	EA		6" x 38", 0.050" Thick, Satin/Nickel Finish, Brass Mop Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	87.01 1.76 5.60 9.80	7.23
08 71 23 00-1927	EA		6" x 40", 0.050" Thick, Satin/Nickel Finish, Brass Mop Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	90.07 1.76 5.60 9.80	7.23
08 71 23 00-1928	EA		6" x 42", 0.050" Thick, Satin/Nickel Finish, Brass Mop Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	93.13 1.76 5.60 9.80	7.23
08 71 23 00-1929	EA		6" x 44", 0.050" Thick, Satin/Nickel Finish, Brass Mop Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	97.98 1.76 5.60 9.80	7.69
08 71 23 00-1930	EA		6" x 46", 0.050" Thick, Satin/Nickel Finish, Brass Mop Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	101.04 1.76 5.60 9.80	7.69
08 71 23 00-1931	EA		6" x 48", 0.050" Thick, Satin/Nickel Finish, Brass Mop Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	104.10 1.76 5.60 9.80	7.69
08 71 23 00-1932			Stainless Base Material Mop Plate (08 71 23 00-1784)		
08 71 23 00-1933			Satin Stainless Finish, Stainless Mop Plate (08 71 23 00-1932)		
08 71 23 00-1934	EA		4" x 22", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	33.52 1.76 5.60 9.80	6.60
08 71 23 00-1935	EA		4" x 24", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	34.15 1.76 5.60 9.80	6.60
08 71 23 00-1936	EA		4" x 26", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	34.81 1.76 5.60 9.80	6.60
08 71 23 00-1937	EA		4" x 28", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	35.46 1.76 5.60 9.80	6.60
08 71 23 00-1938	EA		4" x 30", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	37.21 1.76 5.60 9.80	6.87
08 71 23 00-1939	EA		4" x 32", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	37.87 1.76 5.60 9.80	6.87
08 71 23 00-1940	EA		4" x 34", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	38.51 1.76 5.60 9.80	6.87
08 71 23 00-1941	EA		4" x 36", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	39.17 1.76 5.60 9.80	6.87
08 71 23 00-1942	EA		4" x 38", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	41.36 1.76 5.60 9.80	7.23

08 Openings**08 70 Hardware****08 71 Door Hardware**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 23 00-1943	EA		4" x 40", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	42.02 1.76 5.60 9.80	7.23
08 71 23 00-1944	EA		4" x 42", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	42.68 1.76 5.60 9.80	7.23
08 71 23 00-1945	EA		4" x 44", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	45.12 1.76 5.60 9.80	7.69
08 71 23 00-1946	EA		4" x 46", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	45.78 1.76 5.60 9.80	7.69
08 71 23 00-1947	EA		4" x 48", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	46.42 1.76 5.60 9.80	7.69
08 71 23 00-1948	EA		6" x 22", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	37.09 1.76 5.60 9.80	6.60
08 71 23 00-1949	EA		6" x 24", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	38.08 1.76 5.60 9.80	6.60
08 71 23 00-1950	EA		6" x 26", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	39.06 1.76 5.60 9.80	6.60
08 71 23 00-1951	EA		6" x 28", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	40.05 1.76 5.60 9.80	6.60
08 71 23 00-1952	EA		6" x 30", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	42.11 1.76 5.60 9.80	6.87
08 71 23 00-1953	EA		6" x 32", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	43.08 1.76 5.60 9.80	6.87
08 71 23 00-1954	EA		6" x 34", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	44.08 1.76 5.60 9.80	6.87
08 71 23 00-1955	EA		6" x 36", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	45.05 1.76 5.60 9.80	6.87
08 71 23 00-1956	EA		6" x 38", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	47.58 1.76 5.60 9.80	7.23
08 71 23 00-1957	EA		6" x 40", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	48.55 1.76 5.60 9.80	7.23
08 71 23 00-1958	EA		6" x 42", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	49.53 1.76 5.60 9.80	7.23
08 71 23 00-1959	EA		6" x 44", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	52.32 1.76 5.60 9.80	7.69
08 71 23 00-1960	EA		6" x 46", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	53.29 1.76 5.60 9.80	7.69
08 71 23 00-1961	EA		6" x 48", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	54.28 1.76 5.60 9.80	7.69
08 71 23 00-1962			Bright Stainless Finish, Stainless Mop Plate (08 71 23 00-1932)		
08 71 23 00-1963	EA		4" x 22", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	42.30 1.76 5.60 9.80	6.60



Openings	08	08
Hardware	08 70	
Door Hardware	08 71	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 23 00-1964	EA		4" x 24", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	43.76 1.76 5.60 9.80	6.60
08 71 23 00-1965	EA		4" x 26", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	45.23 1.76 5.60 9.80	6.60
08 71 23 00-1966	EA		4" x 28", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	46.66 1.76 5.60 9.80	6.60
08 71 23 00-1967	EA		4" x 30", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	49.22 1.76 5.60 9.80	6.87
08 71 23 00-1968	EA		4" x 32", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	50.67 1.76 5.60 9.80	6.87
08 71 23 00-1969	EA		4" x 34", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	52.13 1.76 5.60 9.80	6.87
08 71 23 00-1970	EA		4" x 36", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	53.59 1.76 5.60 9.80	6.87
08 71 23 00-1971	EA		4" x 38", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	56.57 1.76 5.60 9.80	7.23
08 71 23 00-1972	EA		4" x 40", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	58.03 1.76 5.60 9.80	7.23
08 71 23 00-1973	EA		4" x 42", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	59.50 1.76 5.60 9.80	7.23
08 71 23 00-1974	EA		4" x 44", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	62.75 1.76 5.60 9.80	7.69
08 71 23 00-1975	EA		4" x 46", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	64.21 1.76 5.60 9.80	7.69
08 71 23 00-1976	EA		4" x 48", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	65.65 1.76 5.60 9.80	7.69
08 71 23 00-1977	EA		6" x 22", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	50.30 1.76 5.60 9.80	6.60
08 71 23 00-1978	EA		6" x 24", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	52.50 1.76 5.60 9.80	6.60
08 71 23 00-1979	EA		6" x 26", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	54.68 1.76 5.60 9.80	6.60
08 71 23 00-1980	EA		6" x 28", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	56.87 1.76 5.60 9.80	6.60
08 71 23 00-1981	EA		6" x 30", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	60.13 1.76 5.60 9.80	6.87
08 71 23 00-1982	EA		6" x 32", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	62.31 1.76 5.60 9.80	6.87
08 71 23 00-1983	EA		6" x 34", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	64.49 1.76 5.60 9.80	6.87
08 71 23 00-1984	EA		6" x 36", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	66.67 1.76 5.60 9.80	6.87

08 Openings**08 70 Hardware****08 71 Door Hardware**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 23 00-1985 EA 6" x 38", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	70.40 1.76 5.60 9.80	7.23
08 71 23 00-1986 EA 6" x 40", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	72.59 1.76 5.60 9.80	7.23
08 71 23 00-1987 EA 6" x 42", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	74.77 1.76 5.60 9.80	7.23
08 71 23 00-1988 EA 6" x 44", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	78.75 1.76 5.60 9.80	7.69
08 71 23 00-1989 EA 6" x 46", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	80.92 1.76 5.60 9.80	7.69
08 71 23 00-1990 EA 6" x 48", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate <i>For Four Beveled Edges, Add</i> <i>For Counter Sink Holes, Add</i> <i>For UL Label (Fire Rated), Add</i>	83.10 1.76 5.60 9.80	7.69
08 71 23 00-1991 Plastic Mop Plate <small>(08 71 23 00-1794)</small>		
08 71 23 00-1992 Clear Or Black Finish, Plastic Mop Plate <small>(08 71 23 00-1991)</small> Note: With four beveled edges.		
08 71 23 00-1993 EA 4" x 22", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate Note: 4 sides beveled.	32.30	6.60
08 71 23 00-1994 EA 4" x 24", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate Note: 4 sides beveled.	32.84	6.60
08 71 23 00-1995 EA 4" x 26", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate Note: 4 sides beveled.	33.40	6.60
08 71 23 00-1996 EA 4" x 28", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate Note: 4 sides beveled.	33.94	6.60
08 71 23 00-1997 EA 4" x 30", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate Note: 4 sides beveled.	35.57	6.87
08 71 23 00-1998 EA 4" x 32", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate Note: 4 sides beveled.	36.12	6.87
08 71 23 00-1999 EA 4" x 34", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate Note: 4 sides beveled.	36.66	6.87
08 71 23 00-2000 EA 4" x 36", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate Note: 4 sides beveled.	37.21	6.87
08 71 23 00-2001 EA 4" x 38", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate Note: 4 sides beveled.	39.29	7.23
08 71 23 00-2002 EA 4" x 40", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate Note: 4 sides beveled.	39.84	7.23
08 71 23 00-2003 EA 4" x 42", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate Note: 4 sides beveled.	40.38	7.23
08 71 23 00-2004 EA 4" x 44", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate Note: 4 sides beveled.	42.72	7.69
08 71 23 00-2005 EA 4" x 46", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate Note: 4 sides beveled.	43.28	7.69
08 71 23 00-2006 EA 4" x 48", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate Note: 4 sides beveled.	43.82	7.69
08 71 23 00-2007 EA 6" x 22", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate Note: 4 sides beveled.	35.30	6.60
08 71 23 00-2008 EA 6" x 24", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate Note: 4 sides beveled.	36.12	6.60
08 71 23 00-2009 EA 6" x 26", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate Note: 4 sides beveled.	36.94	6.60
08 71 23 00-2010 EA 6" x 28", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate Note: 4 sides beveled.	37.75	6.60
08 71 23 00-2011 EA 6" x 30", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate Note: 4 sides beveled.	39.66	6.87
08 71 23 00-2012 EA 6" x 32", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate Note: 4 sides beveled.	40.48	6.87
08 71 23 00-2013 EA 6" x 34", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate Note: 4 sides beveled.	41.29	6.87
08 71 23 00-2014 EA 6" x 36", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate Note: 4 sides beveled.	42.11	6.87
08 71 23 00-2015 EA 6" x 38", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate Note: 4 sides beveled.	44.47	7.23
08 71 23 00-2016 EA 6" x 40", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate Note: 4 sides beveled.	45.29	7.23
08 71 23 00-2017 EA 6" x 42", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate Note: 4 sides beveled.	46.10	7.23
08 71 23 00-2018 EA 6" x 44", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate Note: 4 sides beveled.	48.72	7.69
08 71 23 00-2019 EA 6" x 46", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate Note: 4 sides beveled.	49.54	7.69



Openings	08	08
Hardware	08 70	
Door Hardware	08 71	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 23 00-2020 EA 6" x 48", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate..... Note: 4 sides beveled.	50.35	7.69
08 71 23 00-2021 Armor Door Plate <small>(08 71 23 00-0762)</small> Note: Size ranges of 26" to 48" high, 22" to 48" wide. Ives 8400.		
08 71 23 00-2022 SF 4 to 8 SF, 0.050" Thick, Satin Aluminum Finish, Aluminum Door Armor Plate	14.33	1.13
08 71 23 00-2023 SF >8 to 16 SF, 0.050" Thick, Satin Aluminum Finish, Aluminum Door Armor Plate	13.34	0.89
08 71 23 00-2024 SF 4 to 8 SF, 0.050" Thick, Satin Stainless Finish, Stainless Door Armor Plate	15.70	1.13
08 71 23 00-2025 SF >8 to 16 SF, 0.050" Thick, Satin Stainless Finish, Stainless Door Armor Plate	14.71	0.89
08 71 23 00-2026 SF 4 to 8 SF, 0.050" Thick, Bright Stainless Finish, Stainless Door Armor Plate	29.43	1.13
08 71 23 00-2027 SF >8 to 16 SF, 0.050" Thick, Bright Stainless Finish, Stainless Door Armor Plate	28.44	0.89
08 71 23 00-2028 Pull Handle And Plates <small>(08 71 23 00-0762)</small>		
08 71 23 00-2029 Pull Handle <small>(08 71 23 00-2028)</small>		
08 71 23 00-2030 EA 3/4" Diameter Aluminum Door Pulls, 6" Long	53.99	7.46
For Stainless Steel, Add	10.14	
For Brass, Add	13.76	
08 71 23 00-2031 EA 3/4" Diameter Aluminum Door Pulls, 8" Long	53.99	7.46
For Stainless Steel, Add	10.14	
For Brass, Add	13.76	
08 71 23 00-2032 EA 3/4" Diameter Aluminum Door Pulls, 10" Long	56.37	7.46
For Stainless Steel, Add	11.14	
For Brass, Add	15.12	
08 71 23 00-2033 EA 1" Diameter Aluminum Door Pulls, 8" Long	62.01	7.46
For Stainless Steel, Add	13.51	
For Brass, Add	18.33	
08 71 23 00-2034 EA 1" Diameter Aluminum Door Pulls, 10" Long	65.23	7.46
For Stainless Steel, Add	14.86	
For Brass, Add	20.17	
08 71 23 00-2035 EA 1" Diameter Aluminum Door Pulls, 12" Long	69.50	7.46
For Stainless Steel, Add	16.65	
For Brass, Add	22.60	
08 71 23 00-2036 EA 1" Flattened x 1/2" Round Aluminum Door Pulls, 6" Long	56.93	7.46
For Stainless Steel, Add	11.37	
For Brass, Add	15.44	
08 71 23 00-2037 EA 1" Flattened x 1/2" Round Aluminum Door Pulls, 8" Long	56.93	7.46
For Stainless Steel, Add	11.37	
For Brass, Add	15.44	
08 71 23 00-2038 EA 1" Flattened x 1/2" Round Aluminum Door Pulls, 10" Long	59.62	7.46
For Stainless Steel, Add	12.50	
For Brass, Add	16.97	
08 71 23 00-2039 EA 1" Diameter Stainless Steel Offset Door Pulls, 8" Long	96.53	7.46
For Bright Stainless Steel US32 (BHMA 629) Finish, Add	12.60	
For Brass, Add	11.60	
08 71 23 00-2040 EA 1" Diameter Stainless Steel Offset Door Pulls, 10" Long	100.88	7.46
For Bright Stainless Steel US32 (BHMA 629) Finish, Add	13.42	
For Brass, Add	12.36	
08 71 23 00-2041 EA 1" Diameter Stainless Steel Offset Door Pulls, 12" Long	105.23	7.46
For Bright Stainless Steel US32 (BHMA 629) Finish, Add	14.25	
For Brass, Add	13.12	
08 71 23 00-2042 EA 1" Diameter Stainless Steel Offset Door Pulls, 18" Long	125.52	7.46
For Bright Stainless Steel US32 (BHMA 629) Finish, Add	18.08	
For Brass, Add	16.65	
08 71 23 00-2043 Pull Plate <small>(08 71 23 00-2028)</small>		
08 71 23 00-2044 EA 3-1/2" x 15" Aluminum Pull Plate Door Hardware	50.81	5.65
For Stainless Steel, Add	16.64	
For Brass, Add	21.16	
08 71 23 00-2045 EA 4" x 16" Aluminum Pull Plate Door Hardware	51.79	5.65
For Stainless Steel, Add	17.22	
For Brass, Add	21.89	
08 71 23 00-2046 EA 6" x 16" Aluminum Pull Plate Door Hardware	54.03	5.65
For Stainless Steel, Add	18.54	
For Brass, Add	23.57	
08 71 23 00-2047 Push Bars And Plates <small>(08 71 23 00-0762)</small>		
08 71 23 00-2048 Push Bars <small>(08 71 23 00-2047)</small>		
08 71 23 00-2049 EA 3/8" x 2-1/2" Bronze Push Bar, Rectangular, With Base Plate..... Note: Up to 34" wide. All finishes.	168.60	5.65
08 71 23 00-2050 EA 3/4" Diameter Stainless Steel Push Bar, Up To 34" Wide..... For Brass Push Bar, Add	118.12 16.62	5.65
08 71 23 00-2051 EA 1" Diameter Stainless Steel Push Bar, Up To 34" Wide..... For Brass Push Bar, Add	122.13 17.32	5.65
08 71 23 00-2052 EA 1-1/4" Diameter Stainless Steel Push Bar, Up To 34" Wide	221.67	5.65
For Brass Push Bar, Add	34.64	
08 71 23 00-2053 Push Plates <small>(08 71 23 00-2047)</small>		

08 Openings**08 70 Hardware****08 71 Door Hardware**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 23 00-2054			Aluminum Push Plates (08 71 23 00-2053)		
08 71 23 00-2055			Clear Anodized Finish, Aluminum Push Plates (08 71 23 00-2054)		
			Note: Ives 8200 Series.		
08 71 23 00-2056	EA		3" x 12", Clear Anodized Finish, Aluminum Push Plate Door Hardware	29.69	5.65
08 71 23 00-2057	EA		4" x 16", Clear Anodized Finish, Aluminum Push Plate Door Hardware	29.69	5.65
08 71 23 00-2058	EA		6" x 16", Clear Anodized Finish, Aluminum Push Plate Door Hardware	29.69	5.65
08 71 23 00-2059	EA		8" x 16", Clear Anodized Finish, Aluminum Push Plate Door Hardware	31.48	5.65
08 71 23 00-2060			Stainless Steel Push Plates (08 71 23 00-2053)		
08 71 23 00-2061			Satin Finish, Stainless Steel Push Plates (08 71 23 00-2060)		
			Note: Ives 8200 Series.		
08 71 23 00-2062	EA		3" x 12", Satin Finish, Stainless Steel Push Plate Door Hardware	29.69	5.65
08 71 23 00-2063	EA		4" x 16", Satin Finish, Stainless Steel Push Plate Door Hardware	31.07	5.65
08 71 23 00-2064	EA		6" x 16", Satin Finish, Stainless Steel Push Plate Door Hardware	34.22	5.65
08 71 23 00-2065	EA		8" x 16", Satin Finish, Stainless Steel Push Plate Door Hardware	38.87	5.65
08 71 23 00-2066			Brass Push Plates (08 71 23 00-2053)		
08 71 23 00-2067			Bright/Satin Brass Finish, Brass Push Plates (08 71 23 00-2066)		
			Note: Ives 8200 Series.		
08 71 23 00-2068	EA		3" x 12", Bright/Satin Brass Finish, Brass Push Plate Door Hardware	33.90	5.65
08 71 23 00-2069	EA		4" x 16", Bright/Satin Brass Finish, Brass Push Plate Door Hardware	37.44	5.65
08 71 23 00-2070	EA		6" x 16", Bright/Satin Brass Finish, Brass Push Plate Door Hardware	45.96	5.65
08 71 23 00-2071	EA		8" x 16", Bright/Satin Brass Finish, Brass Push Plate Door Hardware	51.56	5.65
08 71 23 00-2072			Bright/Satin Chrome Finish, Brass Push Plates (08 71 23 00-2066)		
			Note: Ives 8200 Series.		
08 71 23 00-2073	EA		3" x 12", Bright/Satin Chrome Finish, Brass Push Plate Door Hardware	36.73	5.65
08 71 23 00-2074	EA		4" x 16", Bright/Satin Chrome Finish, Brass Push Plate Door Hardware	39.61	5.65
08 71 23 00-2075	EA		6" x 16", Bright/Satin Chrome Finish, Brass Push Plate Door Hardware	47.41	5.65
08 71 23 00-2076	EA		8" x 16", Bright/Satin Chrome Finish, Brass Push Plate Door Hardware	55.11	5.65
08 71 23 00-2077			Satin/Dark Bronze Finish, Brass Push Plates (08 71 23 00-2066)		
			Note: Ives 8200 Series.		
08 71 23 00-2078	EA		3" x 12", Satin/Dark Bronze Finish, Brass Push Plate Door Hardware	36.73	5.65
08 71 23 00-2079	EA		4" x 16", Satin/Dark Bronze Finish, Brass Push Plate Door Hardware	39.61	5.65
08 71 23 00-2080	EA		6" x 16", Satin/Dark Bronze Finish, Brass Push Plate Door Hardware	48.79	5.65
08 71 23 00-2081	EA		8" x 16", Satin/Dark Bronze Finish, Brass Push Plate Door Hardware	55.88	5.65
08 71 23 00-2082			Satin Nickel Finish, Brass Push Plates (08 71 23 00-2066)		
			Note: Ives 8200 Series.		
08 71 23 00-2083	EA		3" x 12", Satin Nickel Finish, Brass Push Plate Door Hardware	36.73	5.65
08 71 23 00-2084	EA		4" x 16", Satin Nickel Finish, Brass Push Plate Door Hardware	40.32	5.65
08 71 23 00-2085	EA		6" x 16", Satin Nickel Finish, Brass Push Plate Door Hardware	50.97	5.65
08 71 23 00-2086	EA		8" x 16", Satin Nickel Finish, Brass Push Plate Door Hardware	58.06	5.65
08 71 23 00-2087			Exit Devices (08 71 23)		
08 71 23 00-2088			Push Bar Exit Device, Von Duprin Series 22 (08 71 23 00-2087)		
			Note: Grade 1, BHMA 156.3.		
08 71 23 00-2089	EA		3" Push Bar Exit Device, Rim Type	556.17	101.73
			Note: Anodized finish: aluminum or dark brown. Von Duprin Series 22.		
			For 4" Push Bar, Add	13.00	
08 71 23 00-2090	EA		3" Push Bar Exit Device, Rim Type, Fire Rated	612.54	101.73
			Note: Anodized finish: aluminum or dark brown. Von Duprin Series 22-F.		
			For 4" Push Bar, Add	13.00	
08 71 23 00-2091	EA		3" Push Bar Exit Device, Surface Vertical Rods	792.89	122.08
			Note: Anodized finish: aluminum or dark brown. Von Duprin Series 2227.		
			For 4" Push Bar, Add	13.00	
08 71 23 00-2092	EA		3" Push Bar Exit Device, Surface Vertical Rods, Fire Rated	933.29	113.04
			Note: Anodized finish: aluminum or dark brown. Von Duprin Series 2227-F.		
			For 4" Push Bar, Add	13.00	
08 71 23 00-2093	EA		Dummy Trim (210DT), Von Duprin Series 22	77.07	16.96
			Note: Anodized finish: aluminum or dark brown.		
08 71 23 00-2094	EA		Night Latch Trim (210NL) With Cylinder, Von Duprin Series 22	164.05	22.60
			Note: Anodized finish: aluminum or dark brown.		
08 71 23 00-2095	EA		Knob Trim (210K) With Cylinder, Von Duprin Series 22	297.78	33.91
			Note: Anodized finish: aluminum or dark brown.		
08 71 23 00-2096	EA		Lever Trim (230L) With Cylinder, Von Duprin Series 22	295.18	33.91
			Note: Anodized finish: aluminum or dark brown.		
08 71 23 00-2097	EA		Thumbpiece Trim (230TP) With Cylinder, Von Duprin Series 22	294.53	33.91
			Note: Anodized finish: aluminum or dark brown.		
08 71 23 00-2098	EA		Knob - Blank Escutcheon (210K-BE), Von Duprin Series 22	234.08	33.91
			Note: Anodized finish: aluminum or dark brown.		



Openings	08	08
Hardware	08 70	
Door Hardware	08 71	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71	23 00-2099	EA	Exit Only Trim Plate (230EO), Von Duprin Series 22..... Note: Anodized finish: aluminum or dark brown.	94.67	13.56
08 71	23 00-2100	EA	Dummy Trim (230DT), Von Duprin Series 22 Note: Anodized finish: aluminum or dark brown.	110.22	16.96
08 71	23 00-2101	EA	Night Latch Trim (230NL) With Cylinder, Von Duprin Series 22 Note: Anodized finish: aluminum or dark brown.	198.50	22.60
08 71	23 00-2102	EA	Lever - Blank Escutcheon (230L-BE), Von Duprin Series 22..... Note: Anodized finish: aluminum or dark brown.	231.48	33.91
08 71	23 00-2103	EA	Thumbpiece - Blank Escutcheon (230TP-BE), Von Duprin Series 22 Note: Anodized finish: aluminum or dark brown.	230.83	33.91
08 71	23 00-2104		Push Bar Exit Device, Narrow Stile, Von Duprin Series 33/35 <small>(08 71 23 00-2087)</small> Note: Grade 1, BHMA 156.3. Series 33 has a ribbed case, Series 35 has a smooth case.		
08 71	23 00-2105	EA	3' Push Bar Exit Device, Rim Type, Narrow Stile..... Note: Aluminum anodized finish. Von Duprin Series 33/35.	996.04	101.73
			<i>For 4' Push Bar, Add</i>	13.00	
			<i>For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add</i>	74.21	
			<i>For Satin Chrome Plated US26D (BHMA 626) Finish, Add</i>	142.41	
			<i>For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add</i>	27.54	
			<i>For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add</i>	211.63	
08 71	23 00-2106	EA	3' Push Bar Exit Device, Surface Vertical Rods, Narrow Stile Note: Aluminum anodized finish. Von Duprin Series 3327/3527.	1,344.74	122.08
			<i>For 4' Push Bar, Add</i>	13.00	
			<i>For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add</i>	104.37	
			<i>For Satin Chrome Plated US26D (BHMA 626) Finish, Add</i>	200.27	
			<i>For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add</i>	38.73	
			<i>For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add</i>	297.61	
08 71	23 00-2107	EA	3' Push Bar Exit Device, Surface Vertical Rods, Fire Rated, Narrow Stile..... Note: Aluminum anodized finish. Von Duprin Series 3327-F/3527-F.	1,369.44	122.08
			<i>For 4' Push Bar, Add</i>	13.00	
			<i>For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add</i>	106.90	
			<i>For Satin Chrome Plated US26D (BHMA 626) Finish, Add</i>	205.13	
			<i>For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add</i>	39.67	
			<i>For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add</i>	304.82	
08 71	23 00-2108	EA	3' Push Bar Exit Device, Concealed Vertical Rods, Narrow Stile..... Note: Aluminum anodized finish. Von Duprin Series 3347/3547.	1,403.57	140.17
			<i>For 4' Push Bar, Add</i>	13.00	
			<i>For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add</i>	105.30	
			<i>For Satin Chrome Plated US26D (BHMA 626) Finish, Add</i>	202.06	
			<i>For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add</i>	39.08	
			<i>For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add</i>	300.26	
08 71	23 00-2109	EA	3' Push Bar Exit Device, Concealed Vertical Rods, Fire Rated, Narrow Stile..... Note: Aluminum anodized finish. Von Duprin Series 3347-F/3547-F.	1,467.27	140.17
			<i>For 4' Push Bar, Add</i>	13.00	
			<i>For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add</i>	111.82	
			<i>For Satin Chrome Plated US26D (BHMA 626) Finish, Add</i>	214.58	
			<i>For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add</i>	41.50	
			<i>For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add</i>	318.86	
08 71	23 00-2110	EA	3' Push Bar Exit Device, Concealed Vertical Rods, Narrow Stile..... Note: Aluminum anodized finish. Von Duprin Series 3348/3548.	1,556.32	140.17
			<i>For 4' Push Bar, Add</i>	13.00	
			<i>For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add</i>	120.94	
			<i>For Satin Chrome Plated US26D (BHMA 626) Finish, Add</i>	232.08	
			<i>For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add</i>	44.88	
			<i>For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add</i>	344.87	
08 71	23 00-2111	EA	3' Push Bar Exit Device, Concealed Vertical Rods, Fire Rated, Narrow Stile..... Note: Aluminum anodized finish. Von Duprin Series 3348-F/3548-F.	1,620.02	140.17
			<i>For 4' Push Bar, Add</i>	13.00	
			<i>For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add</i>	127.46	
			<i>For Satin Chrome Plated US26D (BHMA 626) Finish, Add</i>	244.59	
			<i>For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add</i>	47.30	
			<i>For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add</i>	363.47	
08 71	23 00-2112	EA	Dummy Trim (DT), Von Duprin Series 33/35 Note: Anodized finish: aluminum or dark brown.	219.42	16.96
			<i>For Satin Chrome Plated US26D (BHMA 626) Finish, Add</i>	34.23	
			<i>For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add</i>	6.62	
			<i>For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add</i>	50.87	
08 71	23 00-2113	EA	Night Latch Less Pull (NL-OP With Cylinder, Von Duprin Series 33/35 Note: Anodized finish: aluminum or dark brown.	277.80	22.60
			<i>For Satin Chrome Plated US26D (BHMA 626) Finish, Add</i>	42.15	
			<i>For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add</i>	8.15	
			<i>For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add</i>	62.63	
08 71	23 00-2114	EA	Night Latch (NL) With Cylinder, Von Duprin Series 33/35..... Note: Anodized finish: aluminum or dark brown.	434.45	22.60
			<i>For Satin Chrome Plated US26D (BHMA 626) Finish, Add</i>	72.93	
			<i>For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add</i>	14.10	
			<i>For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add</i>	108.38	
08 71	23 00-2115	EA	Lever Trim (360L) With Cylinder, Von Duprin Series 33/35 Note: Anodized finish: aluminum or dark brown.	546.73	33.91
			<i>For Satin Chrome Plated US26D (BHMA 626) Finish, Add</i>	89.66	
			<i>For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add</i>	17.34	
			<i>For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add</i>	133.24	

08 Openings

08 70 Hardware

08 71 Door Hardware



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 23 00-2116	EA		Lever - Blank Escutcheon (360L-BE) With Cylinder, Von Duprin Series 33/35.....	525.93	33.91
			Note: Anodized finish: aluminum or dark brown.		
			For Satin Chrome Plated US26D (BHMA 626) Finish, Add	85.58	
			For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	16.55	
			For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	127.17	
08 71 23 00-2117	EA		Lever Dummy Trim (360L-DT) With Cylinder, Von Duprin Series 33/35.....	516.18	33.91
			Note: Anodized finish: aluminum or dark brown.		
			For Satin Chrome Plated US26D (BHMA 626) Finish, Add	83.66	
			For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	16.18	
			For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	124.32	
08 71 23 00-2118	EA		Thumbturn Trim (360T) With Cylinder, Von Duprin Series 33/35.....	520.73	33.91
			Note: Anodized finish: aluminum or dark brown.		
			For Satin Chrome Plated US26D (BHMA 626) Finish, Add	84.55	
			For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	16.35	
			For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	125.65	
08 71 23 00-2119			Push Bar Exit Device, Von Duprin Series 98/99 <small>(08 71 23 00-2087)</small>		
			Note: Grade 1, BHMA 156.3. Series 98 has a smooth case, Series 99 has a grooved case.		
08 71 23 00-2120	EA		3' Push Bar Exit Device, Rim Type, Von Duprin Series 98/99.....	888.14	101.73
			Note: Clear anodized satin aluminum US28 (BHMA 628) finish.		
			For 4' Push Bar, Add	13.00	
			For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	37.63	
			For Satin Chrome Plated US26D (BHMA 626) Finish, Add	59.83	
			For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	95.61	
			For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	195.54	
			For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	61.69	
			For Satin Stainless Steel, US32D (BHMA 630) Finish, Add	90.68	
			For Standard Baseplate Cylinder Dogging (CD), Add	41.11	
			For Special Center Case Dogging (SD), Add	172.13	
			For Cylinder Dogging Indicator (CI), Add	114.57	
			For Dogging Indicator (DI), Add	105.25	
			For Vision Impaired Touchpad, Raised Letters and Braille, Add	53.18	
			For Safety Glow Touchpad, Add	191.86	
08 71 23 00-2121	EA		3' Push Bar Exit Device, Rim Type, Fire Rated, Von Duprin Series 98-F/99-F.....	996.04	101.73
			Note: Clear anodized satin aluminum US28 (BHMA 628) finish.		
			For 4' Push Bar, Add	13.00	
			For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	44.21	
			For Satin Chrome Plated US26D (BHMA 626) Finish, Add	70.30	
			For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	112.34	
			For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	229.75	
			For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	72.48	
			For Satin Stainless Steel, US32D (BHMA 630) Finish, Add	106.54	
			For Vision Impaired Touchpad, Raised Letters and Braille, Add	53.18	
			For Safety Glow Touchpad, Add	191.86	
08 71 23 00-2122	EA		3' Push Bar Exit Device, Rim Type, Von Duprin Series XP98/XP99.....	960.29	101.73
			Note: Clear anodized satin aluminum US28 (BHMA 628) finish.		
			For 4' Push Bar, Add	13.00	
			For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	42.03	
			For Satin Chrome Plated US26D (BHMA 626) Finish, Add	66.83	
			For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	106.80	
			For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	218.41	
			For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	68.90	
			For Satin Stainless Steel, US32D (BHMA 630) Finish, Add	101.28	
			For Standard Baseplate Cylinder Dogging (CD), Add	41.11	
			For Special Center Case Dogging (SD), Add	172.13	
			For Cylinder Dogging Indicator (CI), Add	114.57	
			For Dogging Indicator (DI), Add	105.25	
			For Vision Impaired Touchpad, Raised Letters and Braille, Add	53.18	
			For Safety Glow Touchpad, Add	191.86	
08 71 23 00-2123	EA		3' Push Bar Exit Device, Rim Type, Fire Rated, Von Duprin Series XP98-F/XP99-F.....	1,065.59	101.73
			Note: Clear anodized satin aluminum US28 (BHMA 628) finish.		
			For 4' Push Bar, Add	13.00	
			For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	48.45	
			For Satin Chrome Plated US26D (BHMA 626) Finish, Add	77.05	
			For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	123.12	
			For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	251.79	
			For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	79.43	
			For Satin Stainless Steel, US32D (BHMA 630) Finish, Add	116.76	
			For Vision Impaired Touchpad, Raised Letters and Braille, Add	53.18	
			For Safety Glow Touchpad, Add	191.86	
08 71 23 00-2124	EA		3' Push Bar Exit Device, Surface Vertical Rods, Von Duprin Series 9827/9927.....	1,246.59	122.08
			Note: Clear anodized satin aluminum US28 (BHMA 628) finish.		
			For 4' Push Bar, Add	13.00	
			For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	56.18	
			For Satin Chrome Plated US26D (BHMA 626) Finish, Add	89.34	
			For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	142.76	
			For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	291.97	
			For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	92.11	
			For Satin Stainless Steel, US32D (BHMA 630) Finish, Add	135.39	
			For Standard Baseplate Cylinder Dogging (CD), Add	41.11	
			For Special Center Case Dogging (SD), Add	172.13	
			For Cylinder Dogging Indicator (CI), Add	114.57	
			For Dogging Indicator (DI), Add	105.25	
			For Vision Impaired Touchpad, Raised Letters and Braille, Add	53.18	
			For Safety Glow Touchpad, Add	191.86	



Openings	08	08
Hardware	08 70	
Door Hardware	08 71	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 23 00-2125 EA 3' Push Bar Exit Device, Surface Vertical Rods, Fire Rated, Von Duprin Series 9827-F/9927-F.....	1,392.84	122.08
Note: Clear anodized satin aluminum US28 (BHMA 628) finish.		
For 4' Push Bar, Add	13.00	
For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	65.11	
For Satin Chrome Plated US26D (BHMA 626) Finish, Add	103.53	
For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	165.43	
For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	338.33	
For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	106.73	
For Satin Stainless Steel, US32D (BHMA 630) Finish, Add	156.89	
For Vision Impaired Touchpad, Raised Letters and Braille, Add	53.18	
For Safety Glow Touchpad, Add	191.86	
08 71 23 00-2126 EA 3' Push Bar Exit Device, Concealed Vertical Rods, Von Duprin Series 9847/9947	1,320.37	140.17
Note: Clear anodized satin aluminum US28 (BHMA 628) finish.		
For 4' Push Bar, Add	13.00	
For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	87.89	
For Satin Chrome Plated US26D (BHMA 626) Finish, Add	91.67	
For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	146.49	
For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	299.60	
For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	94.51	
For Satin Stainless Steel, US32D (BHMA 630) Finish, Add	138.93	
For Standard Baseplate Cylinder Dogging (CD), Add	41.11	
For Special Center Case Dogging (SD), Add	172.13	
For Cylinder Dogging Indicator (CI), Add	114.57	
For Dogging Indicator (DI), Add	105.25	
For Vision Impaired Touchpad, Raised Letters and Braille, Add	53.18	
For Safety Glow Touchpad, Add	191.86	
08 71 23 00-2127 EA 3' Push Bar Exit Device, Concealed Vertical Rods, Fire Rated, Von Duprin Series 9847-F/9947-F.....	1,469.87	140.17
Note: Clear anodized satin aluminum US28 (BHMA 628) finish.		
For 4' Push Bar, Add	13.00	
For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	101.80	
For Satin Chrome Plated US26D (BHMA 626) Finish, Add	106.18	
For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	169.66	
For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	346.99	
For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	109.46	
For Satin Stainless Steel, US32D (BHMA 630) Finish, Add	160.91	
For Vision Impaired Touchpad, Raised Letters and Braille, Add	53.18	
For Safety Glow Touchpad, Add	191.86	
08 71 23 00-2128 EA 3' Push Bar Exit Device, Concealed Vertical Rods, Von Duprin Series 9848/9948	1,473.12	140.17
Note: Clear anodized satin aluminum US28 (BHMA 628) finish.		
For 4' Push Bar, Add	13.00	
For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	102.10	
For Satin Chrome Plated US26D (BHMA 626) Finish, Add	106.49	
For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	170.17	
For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	348.02	
For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	109.79	
For Satin Stainless Steel, US32D (BHMA 630) Finish, Add	161.38	
For Standard Baseplate Cylinder Dogging (CD), Add	41.11	
For Special Center Case Dogging (SD), Add	172.13	
For Cylinder Dogging Indicator (CI), Add	114.57	
For Dogging Indicator (DI), Add	105.25	
For Vision Impaired Touchpad, Raised Letters and Braille, Add	53.18	
For Safety Glow Touchpad, Add	191.86	
08 71 23 00-2129 EA 3' Push Bar Exit Device, Concealed Vertical Rods, Fire Rated, Von Duprin Series 9848-F/9948-F.....	1,622.62	140.17
Note: Clear anodized satin aluminum US28 (BHMA 628) finish.		
For 4' Push Bar, Add	13.00	
For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	116.00	
For Satin Chrome Plated US26D (BHMA 626) Finish, Add	120.99	
For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	193.34	
For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	395.41	
For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	124.74	
For Satin Stainless Steel, US32D (BHMA 630) Finish, Add	183.36	
For Vision Impaired Touchpad, Raised Letters and Braille, Add	53.18	
For Safety Glow Touchpad, Add	191.86	
08 71 23 00-2130 EA 3' Push Bar Exit Device, Wood Door Concealed Vertical Rods, Von Duprin Series 9847WDC/9947WDC.....	1,428.92	140.17
Note: Clear anodized satin aluminum US28 (BHMA 628) finish.		
For 4' Push Bar, Add	13.00	
For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	97.99	
For Satin Chrome Plated US26D (BHMA 626) Finish, Add	102.20	
For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	163.32	
For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	334.01	
For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	105.37	
For Satin Stainless Steel, US32D (BHMA 630) Finish, Add	154.89	
For Standard Baseplate Cylinder Dogging (CD), Add	41.11	
For Special Center Case Dogging (SD), Add	172.13	
For Cylinder Dogging Indicator (CI), Add	114.57	
For Dogging Indicator (DI), Add	105.25	
For Vision Impaired Touchpad, Raised Letters and Braille, Add	53.18	
For Safety Glow Touchpad, Add	191.86	

08 Openings

08 70 Hardware

08 71 Door Hardware



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71	23 00-2131	EA	3' Push Bar Exit Device, Wood Door Concealed Vertical Rods, Fire Rated, Von Duprin Series 9847WDC-F/9947WDC-F.....	1,597.27	140.17
			Note: Clear anodized satin aluminum US28 (BHMA 628) finish.		
			For 4' Push Bar, Add	13.00	
			For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	113.65	
			For Satin Chrome Plated US26D (BHMA 626) Finish, Add	118.53	
			For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	189.41	
			For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	387.37	
			For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	122.20	
			For Satin Stainless Steel, US32D (BHMA 630) Finish, Add	179.63	
			For Vision Impaired Touchpad, Raised Letters and Braille, Add	53.18	
			For Safety Glow Touchpad, Add	191.86	
08 71	23 00-2132	EA	3' Push Bar Exit Device, Surface Three Point Latch, Von Duprin Series 9857/9957	1,531.29	122.08
			Note: Clear anodized satin aluminum US28 (BHMA 628) finish.		
			For 4' Push Bar, Add	13.00	
			For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	73.55	
			For Satin Chrome Plated US26D (BHMA 626) Finish, Add	116.96	
			For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	186.89	
			For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	382.22	
			For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	120.58	
			For Satin Stainless Steel, US32D (BHMA 630) Finish, Add	177.25	
			For Standard Baseplate Cylinder Dogging (CD), Add	41.11	
			For Special Center Case Dogging (SD), Add	172.13	
			For Cylinder Dogging Indicator (CI), Add	114.57	
			For Dogging Indicator (DI), Add	105.25	
			For Vision Impaired Touchpad, Raised Letters and Braille, Add	53.18	
			For Safety Glow Touchpad, Add	191.86	
08 71	23 00-2133	EA	3' Push Bar Exit Device, Surface Three Point Latch, Fire Rated, Von Duprin Series 9857-F/9957-F	1,628.14	122.08
			Note: Clear anodized satin aluminum US28 (BHMA 628) finish.		
			For 4' Push Bar, Add	13.00	
			For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	79.46	
			For Satin Chrome Plated US26D (BHMA 626) Finish, Add	126.35	
			For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	201.90	
			For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	412.92	
			For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	130.26	
			For Satin Stainless Steel, US32D (BHMA 630) Finish, Add	191.48	
			For Standard Baseplate Cylinder Dogging (CD), Add	41.11	
			For Special Center Case Dogging (SD), Add	172.13	
			For Cylinder Dogging Indicator (CI), Add	114.57	
			For Dogging Indicator (DI), Add	105.25	
			For Vision Impaired Touchpad, Raised Letters and Braille, Add	53.18	
			For Safety Glow Touchpad, Add	191.86	
08 71	23 00-2134	EA	3' Push Bar Exit Device, Mortise Lock, Von Duprin Series 9875/9975	1,240.66	126.60
			Note: Clear anodized satin aluminum US28 (BHMA 628) finish.		
			For 4' Push Bar, Add	13.00	
			For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	33.36	
			For Satin Chrome Plated US26D (BHMA 626) Finish, Add	87.45	
			For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	139.74	
			For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	285.79	
			For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	90.16	
			For Satin Stainless Steel, US32D (BHMA 630) Finish, Add	132.53	
			For Standard Baseplate Cylinder Dogging (CD), Add	41.11	
			For Special Center Case Dogging (SD), Add	172.13	
			For Cylinder Dogging Indicator (CI), Add	114.57	
			For Dogging Indicator (DI), Add	105.25	
			For Vision Impaired Touchpad, Raised Letters and Braille, Add	53.18	
			For Safety Glow Touchpad, Add	191.86	
08 71	23 00-2135	EA	3' Push Bar Exit Device, Mortise Lock, Fire Rated, Von Duprin Series 9875-F/9975-F	1,350.51	126.60
			Note: Clear anodized satin aluminum US28 (BHMA 628) finish.		
			For 4' Push Bar, Add	13.00	
			For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	37.42	
			For Satin Chrome Plated US26D (BHMA 626) Finish, Add	98.11	
			For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	156.77	
			For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	320.61	
			For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	101.14	
			For Satin Stainless Steel, US32D (BHMA 630) Finish, Add	148.68	
			For Vision Impaired Touchpad, Raised Letters and Braille, Add	53.18	
			For Safety Glow Touchpad, Add	191.86	
08 71	23 00-2136	EA	3' Push Bar Exit Device, Concealed Vertical Cable, Von Duprin Series 9849/9949	1,366.52	140.17
			Note: Clear anodized satin aluminum US28 (BHMA 628) finish.		
			For 4' Push Bar, Add	13.00	
			For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	92.19	
			For Satin Chrome Plated US26D (BHMA 626) Finish, Add	96.15	
			For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	153.64	
			For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	314.23	
			For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	99.13	
			For Satin Stainless Steel, US32D (BHMA 630) Finish, Add	145.71	
			For Standard Baseplate Cylinder Dogging (CD), Add	41.11	
			For Special Center Case Dogging (SD), Add	172.13	
			For Cylinder Dogging Indicator (CI), Add	114.57	
			For Dogging Indicator (DI), Add	105.25	
			For Vision Impaired Touchpad, Raised Letters and Braille, Add	53.18	
			For Safety Glow Touchpad, Add	191.86	



Openings	08	08
Hardware	08 70	
Door Hardware	08 71	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 23 00-2137 EA 3' Push Bar Exit Device, Concealed Vertical Cable, Fire Rated, Von Duprin Series 9849-F/9949-F.....	1,475.72	140.17
Note: Clear anodized satin aluminum US28 (BHMA 628) finish.		
For 4' Push Bar, Add	13.00	
For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	102.34	
For Satin Chrome Plated US26D (BHMA 626) Finish, Add	106.74	
For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	170.57	
For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	348.84	
For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	110.05	
For Satin Stainless Steel, US32D (BHMA 630) Finish, Add	161.77	
For Standard Baseplate Cylinder Dogging (CD), Add	41.11	
For Special Center Case Dogging (SD), Add	172.13	
For Cylinder Dogging Indicator (CI), Add	114.57	
For Dogging Indicator (DI), Add	105.25	
For Vision Impaired Touchpad, Raised Letters and Braille, Add	53.18	
For Safety Glow Touchpad, Add	191.86	
08 71 23 00-2138 EA 3' Push Bar Exit Device, Wood Door Concealed Vertical Cable, Von Duprin Series 9849WDC/9949WDC.....	1,479.62	140.17
Note: Clear anodized satin aluminum US28 (BHMA 628) finish.		
For 4' Push Bar, Add	13.00	
For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	102.70	
For Satin Chrome Plated US26D (BHMA 626) Finish, Add	107.12	
For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	171.17	
For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	350.08	
For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	110.44	
For Satin Stainless Steel, US32D (BHMA 630) Finish, Add	162.34	
For Standard Baseplate Cylinder Dogging (CD), Add	41.11	
For Special Center Case Dogging (SD), Add	172.13	
For Cylinder Dogging Indicator (CI), Add	114.57	
For Dogging Indicator (DI), Add	105.25	
For Vision Impaired Touchpad, Raised Letters and Braille, Add	53.18	
For Safety Glow Touchpad, Add	191.86	
08 71 23 00-2139 EA 3' Push Bar Exit Device, Wood Door Concealed Vertical Cable, Fire Rated, Von Duprin Series 9849WDC- F/9949WDC-F.....	1,674.62	140.17
Note: Clear anodized satin aluminum US28 (BHMA 628) finish.		
For 4' Push Bar, Add	13.00	
For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	120.84	
For Satin Chrome Plated US26D (BHMA 626) Finish, Add	126.04	
For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	201.40	
For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	411.89	
For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	129.94	
For Satin Stainless Steel, US32D (BHMA 630) Finish, Add	191.00	
For Standard Baseplate Cylinder Dogging (CD), Add	41.11	
For Special Center Case Dogging (SD), Add	172.13	
For Cylinder Dogging Indicator (CI), Add	114.57	
For Dogging Indicator (DI), Add	105.25	
For Vision Impaired Touchpad, Raised Letters and Braille, Add	53.18	
For Safety Glow Touchpad, Add	191.86	
08 71 23 00-2140 EA 3' Push Bar Exit Device, Chexit Delayed Egress, Von Duprin Series CX98/CX99.....	1,878.44	117.55
Note: Clear anodized satin aluminum US28 (BHMA 628) finish.		
For 4' Push Bar, Add	13.00	
For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	242.10	
For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	495.14	
For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	156.20	
For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	58.10	
For Satin Chrome Plated US26D (BHMA 626) Finish, Add	65.29	
For Center Case Dogging (CD-CX), Add	185.83	
For Vision Impaired Touchpad, Raised Letters and Braille, Add	53.18	
For Safety Glow Touchpad, Add	191.86	
08 71 23 00-2141 EA 3' Push Bar Exit Device, Chexit Delayed Egress, Fire Rated, Von Duprin Series CX98-F/CX99-F.....	1,986.34	117.55
Note: Excludes power supply. Clear anodized satin aluminum US28 (BHMA 628) finish.		
For 4' Push Bar, Add	13.00	
For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	258.83	
For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	529.34	
For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	166.99	
For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	62.12	
For Satin Chrome Plated US26D (BHMA 626) Finish, Add	69.80	
For Vision Impaired Touchpad, Raised Letters and Braille, Add	53.18	
For Safety Glow Touchpad, Add	191.86	
08 71 23 00-2142 EA 3' Push Bar Exit Device, Mortise Chexit Delayed Egress, Von Duprin Series CX9875/CX9975.....	2,240.01	144.68
Note: Excludes power supply. Clear anodized satin aluminum US28 (BHMA 628) finish.		
For 4' Push Bar, Add	13.00	
For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	286.23	
For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	585.39	
For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	184.67	
For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	68.70	
For Satin Chrome Plated US26D (BHMA 626) Finish, Add	77.19	
For Center Case Dogging (CD-CX), Add	185.83	
For Vision Impaired Touchpad, Raised Letters and Braille, Add	53.18	
For Safety Glow Touchpad, Add	191.86	

08 Openings**08 70 Hardware****08 71 Door Hardware**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 23 00-2143	EA	3'	Push Bar Exit Device, Mortise Chexit Delayed Egress, Fire Rated, Von Duprin Series CX9875-F/CX9975-F .....2,349.86 Note: Excludes power supply. Clear anodized satin aluminum US28 (BHMA 628) finish.		144.68
			<i>For 4' Push Bar, Add</i>	13.00	
			<i>For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add</i>	303.26	
			<i>For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add</i>	620.21	
			<i>For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add</i>	195.65	
			<i>For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add</i>	72.78	
			<i>For Satin Chrome Plated US26D (BHMA 626) Finish, Add</i>	81.78	
			<i>For Vision Impaired Touchpad, Raised Letters and Braille, Add</i>	53.18	
			<i>For Safety Glow Touchpad, Add</i>	191.86	
08 71 23 00-2144	EA	3'	Push Bar Exit Device, Electric Latch Retraction, Von Duprin Series E98/E99 .....1,241.44 Note: Excludes power supply. Clear anodized satin aluminum US28 (BHMA 628) finish.		117.55
			<i>For 4' Push Bar, Add</i>	13.00	
			<i>For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add</i>	143.37	
			<i>For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add</i>	293.21	
			<i>For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add</i>	92.50	
			<i>For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add</i>	34.41	
			<i>For Satin Chrome Plated US26D (BHMA 626) Finish, Add</i>	53.09	
			<i>For Standard Baseplate Cylinder Dogging (CD), Add</i>	41.11	
			<i>For Special Center Case Dogging (SD), Add</i>	172.13	
			<i>For Dogging Indicator (DI), Add</i>	105.25	
			<i>For Quiet Electric Latch Retraction (QEL), Add</i>	78.93	
			<i>For Vision Impaired Touchpad, Raised Letters and Braille, Add</i>	53.18	
			<i>For Safety Glow Touchpad, Add</i>	191.86	
08 71 23 00-2145	EA	3'	Push Bar Exit Device, Electric Latch Retraction, Fire Rated, Von Duprin Series E98-F/E99-F .....1,349.34 Note: Excludes power supply. Clear anodized satin aluminum US28 (BHMA 628) finish.		117.55
			<i>For 4' Push Bar, Add</i>	13.00	
			<i>For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add</i>	160.09	
			<i>For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add</i>	327.41	
			<i>For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add</i>	103.29	
			<i>For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add</i>	38.42	
			<i>For Satin Chrome Plated US26D (BHMA 626) Finish, Add</i>	59.29	
			<i>For Vision Impaired Touchpad, Raised Letters and Braille, Add</i>	53.18	
			<i>For Safety Glow Touchpad, Add</i>	191.86	
08 71 23 00-2146	EA	3'	Push Bar Exit Device, Mortise Electric Latch Retraction, Von Duprin Series E9875/E9975 .....1,603.01 Note: Excludes power supply. Clear anodized satin aluminum US28 (BHMA 628) finish.		144.68
			<i>For 4' Push Bar, Add</i>	13.00	
			<i>For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add</i>	187.50	
			<i>For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add</i>	383.46	
			<i>For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add</i>	120.97	
			<i>For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add</i>	45.00	
			<i>For Satin Chrome Plated US26D (BHMA 626) Finish, Add</i>	69.43	
			<i>For Standard Baseplate Cylinder Dogging (CD), Add</i>	41.11	
			<i>For Special Center Case Dogging (SD), Add</i>	172.13	
			<i>For Dogging Indicator (DI), Add</i>	105.25	
			<i>For Quiet Electric Latch Retraction (QEL), Add</i>	78.93	
			<i>For Vision Impaired Touchpad, Raised Letters and Braille, Add</i>	53.18	
			<i>For Safety Glow Touchpad, Add</i>	191.86	
08 71 23 00-2147	EA	3'	Push Bar Exit Device, Mortise Electric Latch Retraction, Fire Rated, Von Duprin Series E9875-F/E9975-F .....1,712.86 Note: Excludes power supply. Clear anodized satin aluminum US28 (BHMA 628) finish.		144.68
			<i>For 4' Push Bar, Add</i>	13.00	
			<i>For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add</i>	204.52	
			<i>For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add</i>	418.28	
			<i>For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add</i>	131.95	
			<i>For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add</i>	49.09	
			<i>For Satin Chrome Plated US26D (BHMA 626) Finish, Add</i>	75.74	
			<i>For Vision Impaired Touchpad, Raised Letters and Braille, Add</i>	53.18	
			<i>For Safety Glow Touchpad, Add</i>	191.86	
08 71 23 00-2148	EA		Exit Only Trim Plate (EO), Von Duprin Series 98/99 .....105.24 Note: Satin chrome plated US26D (BHMA 626) finish.		13.56
			<i>For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add</i>	2.07	
			<i>For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add</i>	3.11	
			<i>For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add</i>	11.74	
08 71 23 00-2149	EA		Dummy Trim (DT), Von Duprin Series 98/99 .....152.66 Note: Satin chrome plated US26D (BHMA 626) finish.		16.96
			<i>For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add</i>	3.22	
			<i>For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add</i>	4.83	
			<i>For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add</i>	18.26	
08 71 23 00-2150	EA		Night Latch (NL) Pull Trim With 110NL Cylinder, Von Duprin Series 98/99 .....242.11 Note: Satin chrome plated US26D (BHMA 626) finish.		22.60
			<i>For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add</i>	5.36	
			<i>For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add</i>	8.05	
			<i>For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add</i>	30.40	
08 71 23 00-2151	EA		Night Latch (NL) Pull Trim Without Cylinder, Von Duprin Series 98/99 .....178.41 Note: Satin chrome plated US26D (BHMA 626) finish.		22.60
			<i>For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add</i>	3.45	
			<i>For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add</i>	5.18	
			<i>For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add</i>	19.57	
08 71 23 00-2152	EA		Lever Trim (L) With 110NL Cylinder, Von Duprin Series 98/99 .....402.45 Note: Satin chrome plated US26D (BHMA 626) finish.		33.91
			<i>For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add</i>	9.36	
			<i>For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add</i>	14.04	
			<i>For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add</i>	53.04	



Openings	08	08
Hardware	08 70	
Door Hardware	08 71	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71	23 00-2153	EA	Lever Trim (L) Without Cylinder, Von Duprin Series 98/99..... Note: Satin chrome plated US26D (BHMA 626) finish. <i>For Duraodoc Dark Bronze US313 (BHMA 710) Finish, Add</i> <i>For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add</i> <i>For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add</i>	338.75 7.45 11.17 42.21	33.91
08 71	23 00-2154	EA	Lever - Blank Escutcheon (L-BE), Von Duprin Series 98/99..... Note: Satin chrome plated US26D (BHMA 626) finish. <i>For Duraodoc Dark Bronze US313 (BHMA 710) Finish, Add</i> <i>For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add</i> <i>For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add</i>	338.75 7.45 11.17 42.21	33.91
08 71	23 00-2155	EA	Lever - Night Latch (L-NL) With 110NL Cylinder, Von Duprin Series 98/99..... Note: Satin chrome plated US26D (BHMA 626) finish. <i>For Duraodoc Dark Bronze US313 (BHMA 710) Finish, Add</i> <i>For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add</i> <i>For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add</i>	347.63 7.72 11.57 43.72	33.91
08 71	23 00-2156	EA	Lever - Night Latch (L-NL) Without Cylinder, Von Duprin Series 98/99..... Note: Satin chrome plated US26D (BHMA 626) finish. <i>For Duraodoc Dark Bronze US313 (BHMA 710) Finish, Add</i> <i>For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add</i> <i>For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add</i>	283.93 5.81 8.71 32.90	33.91
08 71	23 00-2157	EA	Lever Dummy Trim (L-DT), Von Duprin Series 98/99..... Note: Satin chrome plated US26D (BHMA 626) finish. <i>For Duraodoc Dark Bronze US313 (BHMA 710) Finish, Add</i> <i>For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add</i> <i>For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add</i>	283.93 5.81 8.71 32.90	33.91
08 71	23 00-2158	EA	Knob Trim (K) With 110NL Cylinder, Von Duprin Series 98/99..... Note: Satin chrome plated US26D (BHMA 626) finish. <i>For Duraodoc Dark Bronze US313 (BHMA 710) Finish, Add</i> <i>For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add</i> <i>For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add</i>	338.87 7.45 11.18 42.23	33.91
08 71	23 00-2159	EA	Knob Trim (K) Without Cylinder, Von Duprin Series 98/99..... Note: Satin chrome plated US26D (BHMA 626) finish. <i>For Duraodoc Dark Bronze US313 (BHMA 710) Finish, Add</i> <i>For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add</i> <i>For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add</i>	275.17 5.54 8.31 31.41	33.91
08 71	23 00-2160	EA	Knob - Blank Escutcheon (K-BE), Von Duprin Series 98/99..... Note: Satin chrome plated US26D (BHMA 626) finish. <i>For Duraodoc Dark Bronze US313 (BHMA 710) Finish, Add</i> <i>For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add</i> <i>For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add</i>	275.17 5.54 8.31 31.41	33.91
08 71	23 00-2161	EA	Knob - Night Latch (K-NL) With 110NL Cylinder, Von Duprin Series 98/99..... Note: Satin chrome plated US26D (BHMA 626) finish. <i>For Duraodoc Dark Bronze US313 (BHMA 710) Finish, Add</i> <i>For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add</i> <i>For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add</i>	333.93 7.31 10.96 41.40	33.91
08 71	23 00-2162	EA	Knob - Night Latch (K-NL) Without Cylinder, Von Duprin Series 98/99..... Note: Satin chrome plated US26D (BHMA 626) finish. <i>For Duraodoc Dark Bronze US313 (BHMA 710) Finish, Add</i> <i>For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add</i> <i>For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add</i>	270.23 5.39 8.09 30.57	33.91
08 71	23 00-2163	EA	Knob Dummy Trim (K-DT) Without Cylinder, Von Duprin Series 98/99..... Note: Satin chrome plated US26D (BHMA 626) finish. <i>For Duraodoc Dark Bronze US313 (BHMA 710) Finish, Add</i> <i>For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add</i> <i>For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add</i>	270.23 5.39 8.09 30.57	33.91
08 71	23 00-2164	EA	Thumbpiece Trim (TP) With 110NL Cylinder, Von Duprin Series 98/99..... Note: Satin chrome plated US26D (BHMA 626) finish. <i>For Duraodoc Dark Bronze US313 (BHMA 710) Finish, Add</i> <i>For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add</i> <i>For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add</i>	307.07 6.50 9.75 36.83	33.91
08 71	23 00-2165	EA	Thumbpiece Trim (TP) Without Cylinder, Von Duprin Series 98/99..... Note: Satin chrome plated US26D (BHMA 626) finish. <i>For Duraodoc Dark Bronze US313 (BHMA 710) Finish, Add</i> <i>For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add</i> <i>For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add</i>	243.37 4.59 6.88 26.00	33.91
08 71	23 00-2166	EA	Thumbpiece - Blank Escutcheon (T-BE), Von Duprin Series 98/99..... Note: Satin chrome plated US26D (BHMA 626) finish. <i>For Duraodoc Dark Bronze US313 (BHMA 710) Finish, Add</i> <i>For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add</i> <i>For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add</i>	243.37 4.59 6.88 26.00	33.91
08 71	23 00-2167	EA	Push/Pull Hospital Latch Trim (HL) With 110NL Cylinder, Von Duprin Series 98/99..... Note: Satin chrome plated US26D (BHMA 626) finish. <i>For Duraodoc Dark Bronze US313 (BHMA 710) Finish, Add</i> <i>For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add</i> <i>For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add</i>	260.72 5.11 7.66 28.95	33.91
08 71	23 00-2168		Option And Kits For Series 22, 33, 35, 98 Or 99 <small>(08 71 23 00-2087)</small>		
08 71	23 00-2169	EA	Alarm Kit With Switch And 9 Volt Battery Back-up.....	656.57	33.91

08 Openings**08 70 Hardware****08 71 Door Hardware**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 23 00-2170	EA		Power Supply For Chexit Or Electric Latch Devices (Von Duprin PS914) .....509.57		33.91
			Note: 4 amp @ 12 volt DC, 2 amp @ 24 volt DC.		
			For Battery Backup (Includes Board And 2 Batteries), Add	66.69	
			For Fire Alarm Interface, Add	33.34	
			For 2 Relay Panic Device Control Board, Add	96.69	
			For 2 Relay Quiet Electric Latch Panic Device Control Board, Add	113.36	
			For 4 Relay Output Board, Add	93.36	
			For 4 Relay Logic Board, Add	256.05	
			For Fused 8 Zone Distribution Board, Add	33.34	
08 71 23 00-2171	EA		Jamb Mounted Concealed Electric Power Transfer (Von Duprin EPT-10).....475.11		33.91
08 71 23 00-2172	EA		Power Supply, 2 Amp (Von Duprin PS902) .....228.36		33.91
			Note: 2A@12/24 VDC		
			For Battery Backup (Includes Board And 2 Batteries), Add	66.69	
			For Fire Alarm Interface, Add	33.34	
			For 2 Relay Quiet Electric Latch Panic Device Control Board, Add	113.36	
			For 4 Relay Output Board, Add	93.36	
			For 4 Relay Logic Board, Add	256.05	
			For Fused 8 Zone Distribution Board, Add	33.34	
08 71 23 00-2173	EA		Power Supply, 4 Amp (Von Duprin PS904) .....350.41		33.91
			Note: 4A@12/24 VDC		
			For Battery Backup (Includes Board And 2 Batteries), Add	66.69	
			For Fire Alarm Interface, Add	33.34	
			For 2 Relay Quiet Electric Latch Panic Device Control Board, Add	113.36	
			For 4 Relay Output Board, Add	93.36	
			For 4 Relay Logic Board, Add	256.05	
			For Fused 8 Zone Distribution Board, Add	33.34	
08 71 23 00-2174	EA		Request to Exit Push Pad Monitor Switch (RX) .....149.92		22.60
08 71 23 00-2175			Removable Verticals, Mullions (Von Duprin) (08 71 23 00-2087)		
08 71 23 00-2176	EA		7'-2" Removable Steel Mullion, 2" x 3" x 1/8" Wall Thickness (Von Duprin 4954-72).....389.43		22.60
			Note: For use with Von Duprin Panic rim devices.		
			For Owner Furnished Material, Deduct	-299.00	
08 71 23 00-2177	EA		8'-2" Removable Steel Mullion, 2" x 3" x 1/8" Wall Thickness (Von Duprin 4954-82).....412.83		22.60
			Note: For use with Von Duprin Panic rim devices.		
			For Owner Furnished Material, Deduct	-322.40	
08 71 23 00-2178	EA		10'-2" Removable Steel Mullion, 2" x 3" x 1/8" Wall Thickness (Von Duprin 4954-102).....665.23		22.60
			Note: For use with Von Duprin Panic rim devices.		
			For Owner Furnished Material, Deduct	-574.80	
08 71 23 00-2179	EA		7'-6" Keyed Removable Steel Mullion, 2" x 3" x 1/8" Wall Thickness (Von Duprin KR4954-76) .....657.12		27.13
			Note: For use with Von Duprin Panic rim devices.		
			For Owner Furnished Material, Deduct	-548.60	
08 71 23 00-2180	EA		8'-6" Keyed Removable Steel Mullion, 2" x 3" x 1/8" Wall Thickness (Von Duprin KR4954-86) .....680.52		27.13
			Note: For use with Von Duprin Panic rim devices.		
			For Owner Furnished Material, Deduct	-572.00	
08 71 23 00-2181	EA		10'-6" Keyed Removable Steel Mullion, 2" x 3" x 1/8" Wall Thickness (Von Duprin KR4954-106) .....731.87		27.13
			Note: For use with Von Duprin Panic rim devices.		
			For Owner Furnished Material, Deduct	-623.35	
08 71 23 00-2182	EA		7'-3" Removable Steel Mullion, 2" x 3" x 1/8" Wall Thickness, Fire Rated (Von Duprin 9954-73).....553.23		22.60
			Note: For use with Von Duprin Panic rim devices.		
			For Owner Furnished Material, Deduct	-462.80	
08 71 23 00-2183	EA		8'-3" Removable Steel Mullion, 2" x 3" x 1/8" Wall Thickness, Fire Rated (Von Duprin 9954-83).....577.28		22.60
			Note: For use with Von Duprin Panic rim devices.		
			For Owner Furnished Material, Deduct	-486.85	
08 71 23 00-2184	EA		10'-3" Removable Steel Mullion, 2" x 3" x 1/8" Wall Thickness, Fire Rated (Von Duprin 9954-103).....626.03		22.60
			Note: For use with Von Duprin Panic rim devices.		
			For Owner Furnished Material, Deduct	-535.60	
08 71 23 00-2185	EA		7'-5" Keyed Removable Steel Mullion, 2" x 3" x 1/8" Wall Thickness, Fire Rated (Von Duprin KR9954-75).....846.27		27.13
			Note: For use with Von Duprin Panic rim devices.		
			For Owner Furnished Material, Deduct	-737.75	
08 71 23 00-2186	EA		8'-5" Keyed Removable Steel Mullion, 2" x 3" x 1/8" Wall Thickness, Fire Rated (Von Duprin KR9954-85).....870.32		27.13
			Note: For use with Von Duprin Panic rim devices.		
			For Owner Furnished Material, Deduct	-761.80	
08 71 23 00-2187	EA		10'-5" Keyed Removable Steel Mullion, 2" x 3" x 1/8" Wall Thickness, Fire Rated (Von Duprin KR9954-105).....1,626.08		27.13
			Note: For use with Von Duprin Panic rim devices.		
			For Owner Furnished Material, Deduct	-1,517.56	
08 71 23 00-2188	EA		Mullion Stabilizer Set (Von Duprin 154) .....84.92		18.09
			Note: For use with Von Duprin Panic rim devices.		
			For Owner Furnished Material, Deduct	-48.75	
08 71 23 00-2189			Cross Bar Exit Device, Narrow Stile, Von Duprin Series 55 (08 71 23 00-2087)		
			Note: Grade 1, BHMA 156.3.		
08 71 23 00-2190	EA		42" Crossbar Exit Device, Rim Type, Narrow Stile .....1,512.79		101.73
			Note: Anodized finish: dull brass or dull bronze. Von Duprin Series 55.		
			For Satin Chrome Plated US26D (BHMA 626) Finish, Add	156.43	
			For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add	180.02	
			For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	237.13	
			For Bright Stainless Steel US32 (BHMA 629) Finish, Add	258.23	
08 71 23 00-2191	EA		42" Crossbar Exit Device, Concealed Vertical Rod, Narrow Stile .....1,952.82		140.17
			Note: Anodized finish: dull brass or dull bronze. Von Duprin Series 5547.		
			For Satin Chrome Plated US26D (BHMA 626) Finish, Add	198.77	
			For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add	228.74	
			For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	301.31	
			For Bright Stainless Steel US32 (BHMA 629) Finish, Add	328.13	



Openings	08	08
Hardware	08 70	
Door Hardware	08 71	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71	23 00-2192	EA	42" Crossbar Exit Device, Concealed Vertical Rod, Narrow Stile, Fire Rated Note: Anodized finish: dull brass or dull bronze. Von Duprin Series 5547-F. <i>For Satin Chrome Plated US26D (BHMA 626) Finish, Add</i> <i>For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add</i> <i>For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add</i> <i>For Bright Stainless Steel US32 (BHMA 629) Finish, Add</i>	2,128.97 220.97 254.29 334.96 364.77	140.17
08 71	23 00-2193	EA	42" Crossbar Exit Device, Wood Door Concealed Vertical Rod, Narrow Stile Note: Anodized finish: dull brass or dull bronze. Von Duprin Series 5547WDC. <i>For Satin Chrome Plated US26D (BHMA 626) Finish, Add</i> <i>For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add</i> <i>For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add</i> <i>For Bright Stainless Steel US32 (BHMA 629) Finish, Add</i>	1,996.37 204.26 235.06 309.63 337.19	140.17
08 71	23 00-2194	EA	42" Crossbar Exit Device, Wood Door Concealed Vertical Rod, Narrow Stile, Fire Rated Note: Anodized finish: dull brass or dull bronze. Von Duprin Series 5547WDC-F. <i>For Satin Chrome Plated US26D (BHMA 626) Finish, Add</i> <i>For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add</i> <i>For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add</i> <i>For Bright Stainless Steel US32 (BHMA 629) Finish, Add</i>	2,167.32 225.80 259.85 342.28 372.75	140.17
08 71	23 00-2195	EA	42" Crossbar Exit Device, Mortise Lock, Narrow Stile Note: Anodized finish: dull brass or dull bronze. Von Duprin Series 5575. <i>For Satin Chrome Plated US26D (BHMA 626) Finish, Add</i> <i>For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add</i> <i>For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add</i> <i>For Bright Stainless Steel US32 (BHMA 629) Finish, Add</i>	1,523.41 149.22 171.72 226.20 246.33	126.60
08 71	23 00-2196	EA	42" Crossbar Exit Device, Mortise Lock, Narrow Stile, Fire Rated Note: Anodized finish: dull brass or dull bronze. Von Duprin Series 5575-F. <i>For Satin Chrome Plated US26D (BHMA 626) Finish, Add</i> <i>For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add</i> <i>For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add</i> <i>For Bright Stainless Steel US32 (BHMA 629) Finish, Add</i>	1,638.46 163.72 188.41 248.18 270.26	126.60
08 71	23 00-2197	EA	Dummy Trim (DT) Pull Bracket, Von Duprin Series 55 Note: Anodized finish: dull brass or dull bronze. <i>For Satin Chrome Plated US26D (BHMA 626) Finish, Add</i> <i>For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add</i> <i>For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add</i> <i>For Bright Stainless Steel US32 (BHMA 629) Finish, Add</i>	259.07 26.95 31.01 40.85 44.48	16.96
08 71	23 00-2198	EA	Cylinder Assembly, Von Duprin Series 55 Note: Anodized finish: dull brass or dull bronze. <i>For Satin Chrome Plated US26D (BHMA 626) Finish, Add</i> <i>For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add</i> <i>For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add</i> <i>For Bright Stainless Steel US32 (BHMA 629) Finish, Add</i>	123.75 7.62 8.77 11.55 12.57	23.96
08 71	23 00-2199	EA	Night Latch Pull Trim (NL) With Cylinder, Von Duprin Series 55 Note: Anodized finish: dull brass or dull bronze. <i>For Satin Chrome Plated US26D (BHMA 626) Finish, Add</i> <i>For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add</i> <i>For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add</i> <i>For Bright Stainless Steel US32 (BHMA 629) Finish, Add</i>	435.10 46.85 53.91 71.01 77.33	23.96
08 71	23 00-2200	EA	Thumbturn Trim (376T) With Cylinder, Von Duprin Series 55 Note: Anodized finish: dull brass or dull bronze. <i>For Satin Chrome Plated US26D (BHMA 626) Finish, Add</i> <i>For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add</i> <i>For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add</i> <i>For Bright Stainless Steel US32 (BHMA 629) Finish, Add</i>	470.03 47.83 55.04 72.50 78.96	33.91
08 71	23 00-2201	EA	Thumbturn - Blank Escutcheon (376T-BE), Von Duprin Series 55 Note: Anodized finish: dull brass or dull bronze. <i>For Satin Chrome Plated US26D (BHMA 626) Finish, Add</i> <i>For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add</i> <i>For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add</i> <i>For Bright Stainless Steel US32 (BHMA 629) Finish, Add</i>	385.53 37.18 42.79 56.36 61.38	33.91
08 71	23 00-2202	EA	Lever Trim (371L) With Cylinder, Von Duprin Series 55 Note: Anodized finish: dull brass or dull bronze. <i>For Satin Chrome Plated US26D (BHMA 626) Finish, Add</i> <i>For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add</i> <i>For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add</i> <i>For Bright Stainless Steel US32 (BHMA 629) Finish, Add</i>	470.03 47.83 55.04 72.50 78.96	33.91
08 71	23 00-2203	EA	Lever Trim (575L) With Cylinder, Von Duprin Series 55 Note: Anodized finish: dull brass or dull bronze. <i>For Satin Chrome Plated US26D (BHMA 626) Finish, Add</i> <i>For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add</i> <i>For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add</i> <i>For Bright Stainless Steel US32 (BHMA 629) Finish, Add</i>	538.93 56.51 65.03 85.66 93.29	33.91
08 71 23 00-2204 Cross Bar Exit Device, Von Duprin Series 88 <small>(08 71 23 00-2087)</small>					
Note: Grade 1, BHMA 156.3.					
08 71	23 00-2205	EA	42" Crossbar Exit Device, Rim Type Note: Anodized finish: dull brass or dull bronze. Von Duprin Series 88. <i>For Satin Chrome Plated US26D (BHMA 626) Finish, Add</i> <i>For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add</i> <i>For Bright Stainless Steel US32 (BHMA 629) Finish, Add</i> <i>For Bright Stainless Steel US32 (BHMA 629) Finish, Add</i>	975.24 21.82 22.53 192.18 192.18	101.73

08 Openings

08 70 Hardware

08 71 Door Hardware



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 23 00-2206 EA 42" Crossbar Exit Device, Rim Type, Fire Rated.....	1,130.59	101.73
Note: Anodized finish: dull brass or dull bronze. Von Duprin Series 88-F.		
For Satin Chrome Plated US26D (BHMA 626) Finish, Add	26.64	
For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add	27.50	
For Bright Stainless Steel US32 (BHMA 629) Finish, Add	234.59	
For Bright Stainless Steel US32 (BHMA 629) Finish, Add	234.59	
08 71 23 00-2207 EA 42" Crossbar Exit Device, Surface Vertical Rods.....	1,257.64	122.08
Note: Anodized finish: dull brass or dull bronze. Von Duprin Series 8827.		
For Satin Chrome Plated US26D (BHMA 626) Finish, Add	28.90	
For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add	29.83	
For Bright Stainless Steel US32 (BHMA 629) Finish, Add	254.46	
For Bright Stainless Steel US32 (BHMA 629) Finish, Add	254.46	
08 71 23 00-2208 EA 42" Crossbar Exit Device, Surface Vertical Rods, Fire Rated.....	1,593.69	122.08
Note: Anodized finish: dull brass or dull bronze. Von Duprin Series 8827-F.		
For Satin Chrome Plated US26D (BHMA 626) Finish, Add	39.31	
For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add	40.58	
For Bright Stainless Steel US32 (BHMA 629) Finish, Add	346.20	
For Bright Stainless Steel US32 (BHMA 629) Finish, Add	346.20	
08 71 23 00-2209 EA 42" Crossbar Exit Device, Concealed Vertical Rods.....	1,222.81	140.17
Note: Anodized finish: dull brass or dull bronze. Von Duprin Series 8847.		
For Satin Chrome Plated US26D (BHMA 626) Finish, Add	26.27	
For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add	27.12	
For Bright Stainless Steel US32 (BHMA 629) Finish, Add	231.38	
For Bright Stainless Steel US32 (BHMA 629) Finish, Add	231.38	
08 71 23 00-2210 EA 42" Crossbar Exit Device, Concealed Vertical Rods, Fire Rated.....	1,528.37	140.17
Note: Anodized finish: dull brass or dull bronze. Von Duprin Series 8847-F.		
For Satin Chrome Plated US26D (BHMA 626) Finish, Add	35.75	
For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add	36.90	
For Bright Stainless Steel US32 (BHMA 629) Finish, Add	314.80	
For Bright Stainless Steel US32 (BHMA 629) Finish, Add	314.80	
08 71 23 00-2211 EA 42" Crossbar Exit Device, Mortise Lock.....	1,301.11	126.60
Note: Anodized finish: dull brass or dull bronze. Von Duprin Series 8875.		
For Satin Chrome Plated US26D (BHMA 626) Finish, Add	29.82	
For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add	30.78	
For Bright Stainless Steel US32 (BHMA 629) Finish, Add	262.63	
For Bright Stainless Steel US32 (BHMA 629) Finish, Add	262.63	
08 71 23 00-2212 EA 42" Crossbar Exit Device, Mortise Lock, Fire Rated.....	1,380.41	126.60
Note: Anodized finish: dull brass or dull bronze. Von Duprin Series 8875-F.		
For Satin Chrome Plated US26D (BHMA 626) Finish, Add	32.28	
For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add	33.32	
For Bright Stainless Steel US32 (BHMA 629) Finish, Add	284.27	
For Bright Stainless Steel US32 (BHMA 629) Finish, Add	284.27	
08 71 23 00-2213 EA Dummy Trim (DT), Von Duprin Series 88.....	147.92	16.96
Note: Anodized finish: dull brass or dull bronze.		
For Satin Chrome Plated US26D (BHMA 626) Finish, Add	3.18	
For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add	3.29	
For Bright Stainless Steel US32 (BHMA 629) Finish, Add	28.04	
For Bright Stainless Steel US32 (BHMA 629) Finish, Add	28.04	
08 71 23 00-2214 EA Night Latch Pull Trim (NL) With Cylinder, Von Duprin Series 88.....	235.55	22.60
Note: Anodized finish: dull brass or dull bronze.		
For Satin Chrome Plated US26D (BHMA 626) Finish, Add	5.34	
For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add	5.51	
For Bright Stainless Steel US32 (BHMA 629) Finish, Add	47.02	
For Bright Stainless Steel US32 (BHMA 629) Finish, Add	47.02	
08 71 23 00-2215 EA Thumbturn Trim (376T Or 377T) With Cylinder, Von Duprin Series 88.....	406.33	33.91
Note: Anodized finish: dull brass or dull bronze.		
For Satin Chrome Plated US26D (BHMA 626) Finish, Add	9.79	
For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add	10.11	
For Bright Stainless Steel US32 (BHMA 629) Finish, Add	86.24	
For Bright Stainless Steel US32 (BHMA 629) Finish, Add	86.24	
08 71 23 00-2216 EA Lever Trim (373L) With Cylinder, Von Duprin Series 88.....	380.33	33.91
Note: Anodized finish: dull brass or dull bronze.		
For Satin Chrome Plated US26D (BHMA 626) Finish, Add	8.99	
For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add	9.28	
For Bright Stainless Steel US32 (BHMA 629) Finish, Add	79.14	
For Bright Stainless Steel US32 (BHMA 629) Finish, Add	79.14	
08 71 23 00-2217 EA Knob Trim (K) With Cylinder, Von Duprin Series 88.....	292.58	33.91
Note: Anodized finish: dull brass or dull bronze.		
For Satin Chrome Plated US26D (BHMA 626) Finish, Add	6.27	
For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add	6.47	
For Bright Stainless Steel US32 (BHMA 629) Finish, Add	55.19	
For Bright Stainless Steel US32 (BHMA 629) Finish, Add	55.19	
08 71 23 00-2218 EA Thumbpiece Trim (TP) With Cylinder, Von Duprin Series 88.....	292.58	33.91
Note: Anodized finish: dull brass or dull bronze.		
For Satin Chrome Plated US26D (BHMA 626) Finish, Add	6.27	
For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add	6.47	
For Bright Stainless Steel US32 (BHMA 629) Finish, Add	55.19	
For Bright Stainless Steel US32 (BHMA 629) Finish, Add	55.19	
08 71 23 00-2219 Push Bar Exit Device, Precision Hardware Apex 2000 Series (08 71 23 00-2087)		
Note: Grade 1, BHMA 156.3. Anodized Aluminum Finish.		
08 71 23 00-2220 EA 3' Push Bar Exit Device, Rim Type (Precision Hardware 2100 Series).....	936.48	101.73
For 4" Push Bar, Add	13.00	
For Owner Furnished Material, Deduct	-665.19	



Openings	08	08
Hardware	08 70	
Door Hardware	08 71	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 23 00-2221	EA		3' Push Bar Exit Device, Rim Type, Fire Rated (Precision Hardware 2100 Series).....	982.18	101.73
			<i>For 4' Push Bar, Add</i>	13.00	
			<i>For Owner Furnished Material, Deduct</i>	-710.89	
08 71 23 00-2222	EA		3' Push Bar Exit Device, Surface Vertical Rod (Top Only) (Precision Hardware 2200 Series)	1,264.38	122.08
			<i>For 4' Push Bar, Add</i>	13.00	
			<i>For Owner Furnished Material, Deduct</i>	-938.84	
08 71 23 00-2223	EA		3' Push Bar Exit Device, Surface Vertical Rod (Top Only), Fire Rated (Precision Hardware 2200 Series).....	1,310.08	122.08
			<i>For 4' Push Bar, Add</i>	13.00	
			<i>For Owner Furnished Material, Deduct</i>	-984.54	
08 71 23 00-2224	EA		Exit Only, Cover Plate, Lever/Knob Trim (Precision 4901)	115.56	13.56
			<i>For Owner Furnished Material, Deduct</i>	-79.39	
08 71 23 00-2225	EA		Exit Only, Dummy Trim, Lever/Knob Trim (Precision 4902A)	286.39	16.96
			<i>For Owner Furnished Material, Deduct</i>	-241.17	
08 71 23 00-2226	EA		Key Retracts Latchbolt, Lever/Knob Trim (Precision 4903A)	331.60	33.91
			<i>For Owner Furnished Material, Deduct</i>	-241.17	
08 71 23 00-2227	EA		Key Controls Lever/Knob, Lever/Knob Trim (Precision 4908A)	391.75	33.91
			<i>For Owner Furnished Material, Deduct</i>	-301.32	
08 71 23 00-2228	EA		Key Controls Lever, Lever/Knob Trim (Precision V4908A)	391.75	33.91
			<i>For Owner Furnished Material, Deduct</i>	-301.32	
08 71 23 00-2229	EA		Lever/Knob Always Active, Lever/Knob Trim (Precision 4914A).....	391.75	33.91
			<i>For Owner Furnished Material, Deduct</i>	-301.32	
08 71 23 00-2230	EA		Exit Only, Cover Plate, Pull Trim (Precision 1701).....	89.09	13.56
			<i>For Owner Furnished Material, Deduct</i>	-52.92	
08 71 23 00-2231	EA		Exit Only, Dummy Trim, Pull Trim (Precision 1702A)	176.33	16.96
			<i>For Owner Furnished Material, Deduct</i>	-131.11	
08 71 23 00-2232	EA		Key Retracts Latchbolt, Pull Trim (Precision 1703A)	194.41	22.60
			<i>For Owner Furnished Material, Deduct</i>	-131.11	
08 71 23 00-2233	EA		Key Controls Thumb Piece, Pull Trim (Precision 1705A).....	274.46	33.91
			<i>For Owner Furnished Material, Deduct</i>	-184.03	
08 71 23 00-2234	EA		Thumb Piece Always Active, Pull Trim (Precision 1715A).....	274.46	33.91
			<i>For Owner Furnished Material, Deduct</i>	-184.03	
08 71 23 00-2235			Door Closers <small>(08 71 23)</small>		
			Note: Includes standard cover and arm.		
08 71 23 00-2236	EA		Surface Mounted Standard Duty Door Closer (LCN 1460 Series).....	311.87	26.22
			<i>For Delayed Action, Add</i>	12.60	
			<i>For AVB (5 LB Per Push), Add</i>	6.60	
			<i>For Fusible Link Arm, Add</i>	39.60	
			<i>For Shock Absorbing Arm, Add</i>	19.80	
			<i>For Hold Open Arm, Add</i>	13.80	
			<i>For Plated Brass Finish, Add</i>	101.40	
			<i>For Plated Finish With Clear Coat, Add</i>	127.20	
			<i>For Parallel Arm, Add</i>	22.40	
08 71 23 00-2237	EA		Surface Mounted Heavy Duty Door Closer (LCN 4010/4020/4110 Series)	371.62	26.22
			<i>For Delayed Action, Add</i>	12.60	
			<i>For AVB (5 LB Per Push), Add</i>	6.60	
			<i>For Fusible Link Arm, Add</i>	39.60	
			<i>For Shock Absorbing Arm, Add</i>	19.80	
			<i>For Hold Open Arm, Add</i>	13.80	
			<i>For Plated Brass Finish, Add</i>	101.40	
			<i>For Plated Finish With Clear Coat, Add</i>	127.20	
08 71 23 00-2238	EA		Surface Mounted Heavy Duty Door Closer (LCN 4040XP/4041 Series).....	381.12	26.22
			<i>For Delayed Action, Add</i>	12.60	
			<i>For AVB (5 LB Per Push), Add</i>	6.60	
			<i>For Fusible Link Arm, Add</i>	39.60	
			<i>For Shock Absorbing Arm, Add</i>	19.80	
			<i>For Hold Open Arm, Add</i>	13.80	
			<i>For Plated Brass Finish, Add</i>	101.40	
			<i>For Plated Finish With Clear Coat, Add</i>	127.20	
			<i>For Spring Cush Arm, Add</i>	67.20	
			<i>For Parallel Arm And PA Shoe, Add</i>	22.40	
			<i>For Stainless Steel Finish, Add</i>	145.00	
08 71 23 00-2239	EA		Surface Mounted High Security Door Closer, Metal Cover (LCN 4510)	393.01	26.22
			<i>For Delayed Action, Add</i>	12.60	
			<i>For AVB (5 LB Per Push), Add</i>	6.60	
			<i>For Fusible Link Arm, Add</i>	39.60	
			<i>For Shock Absorbing Arm, Add</i>	19.80	
			<i>For Hold Open Arm, Add</i>	13.80	
			<i>For Plated Brass Finish, Add</i>	101.40	
			<i>For Plated Finish With Clear Coat, Add</i>	127.20	
08 71 23 00-2240	EA		Surface Mounted Standard Duty Door Closer (Norton 8301)	267.12	26.22
			<i>For Parallel Arm, Add</i>	22.40	
08 71 23 00-2241	EA		Surface Mounted Standard Duty Door Closer (Norton 8501)	269.12	26.22
			<i>For Parallel Arm, Add</i>	22.40	
08 71 23 00-2242			Concealed Door Closers <small>(08 71 23)</small>		
08 71 23 00-2243	EA		Floor Concealed Door Closer, Non Hold Open (Rixson 27/28).....	885.03	77.77
08 71 23 00-2244	EA		Floor Concealed Door Closer, Selective Hold Open (Rixson 27/27).....	941.03	77.77
08 71 23 00-2245	EA		Concealed (In Door) Overhead Door Closer (LCN 3130)	439.10	31.65
			<i>For Hold Open Arm, Add</i>	13.80	
			<i>For Plated Brass Finish, Add</i>	101.40	
			<i>For Plated Finish With Clear Coat, Add</i>	127.20	

08 Openings**08 70 Hardware****08 71 Door Hardware**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 23 00-2246	EA		Concealed (In Frame) Overhead Door Closer (LCN 5010).....	471.86	31.65
			<i>For Delayed Action, Add</i>	12.60	
			<i>For Hold Open Arm, Add</i>	13.80	
			<i>For Plated Brass Finish, Add</i>	101.40	
			<i>For Plated Finish With Clear Coat, Add</i>	127.20	
08 71 23 00-2247			Locks And Latches (08 71 23)		
			Note: All locksets are supplied with knob, lever or thumb piece, set of 3 keys and include construction cores. Multi purchase locksets are keyed alike and to the existing master key. The cost for boring hole or preparing mortise is included with the new door.		
08 71 23 00-2248			Locksmith Services (08 71 23 00-2247)		
08 71 23 00-2249	EA		Provide Extra Keys (Above The Three Provided For New Locks) Or Duplicate Keys.....	1.13	
			<i>For >50, Deduct</i>	-0.23	
08 71 23 00-2250	EA		Rekey Existing Cylinder To Match Existing Cylinders Or Master Key.....	108.56	
			<i>For >5, Deduct</i>	-10.86	
08 71 23 00-2251	EA		Replace Cylinder With Owner Supplied Cylinder.....	108.56	
			<i>For >5, Deduct</i>	-10.86	
08 71 23 00-2252	EA		Replace Cylinder With New Cylinder	120.55	
			Note: Excludes core.		
			<i>For >5, Deduct</i>	-10.86	
08 71 23 00-2253	EA		Open Locked Doors.....	108.56	
08 71 23 00-2254	EA		Install Owner Furnished Cores And Cylinders	45.55	
08 71 23 00-2255			Mortise Locksets And Latchsets (08 71 23 00-2247)		
			Note: Satin chrome plated US 26D (BHMA 626) - BHMA 156.13 Grade 1. Levers or knobs.		
08 71 23 00-2256	EA		Passage/Closet F01 Mortise Latchset	343.41	22.60
			Note: Both sides always unlocked.		
			<i>For Bright Brass, Clear Coated US3 (BHMA 605) Finish, Add</i>	8.35	
			<i>For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add</i>	7.59	
			<i>For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add</i>	12.65	
			<i>For Satin Stainless Steel US32D (BHMA 630) Finish, Add</i>	89.30	
08 71 23 00-2257	EA		Bath/Bedroom Privacy F02 Mortise Lockset	399.62	22.60
			Note: Locked with thumb knob inside.		
			<i>For Bright Brass, Clear Coated US3 (BHMA 605) Finish, Add</i>	10.20	
			<i>For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add</i>	9.28	
			<i>For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add</i>	15.46	
			<i>For Satin Stainless Steel US32D (BHMA 630) Finish, Add</i>	109.14	
08 71 23 00-2258	EA		Entrance/Office F04 Mortise Lockset	439.38	22.60
			Note: Locked with key outside and thumb knob inside.		
			<i>For Bright Brass, Clear Coated US3 (BHMA 605) Finish, Add</i>	11.52	
			<i>For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add</i>	10.47	
			<i>For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add</i>	17.45	
			<i>For Satin Stainless Steel US32D (BHMA 630) Finish, Add</i>	123.18	
08 71 23 00-2259	EA		Classroom F05 Mortise Lockset.....	413.26	22.60
			Note: Locked with key outside. Inside always unlocked.		
			<i>For Bright Brass, Clear Coated US3 (BHMA 605) Finish, Add</i>	10.65	
			<i>For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add</i>	9.68	
			<i>For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add</i>	16.14	
			<i>For Satin Stainless Steel US32D (BHMA 630) Finish, Add</i>	113.96	
			<i>For Security Function (Double Cylinder) With Visual Indicator, Add</i>	39.48	
08 71 23 00-2260	EA		Storeroom/Closet F07 Mortise Lockset.....	413.26	22.60
			Note: Locked with key outside. Inside always unlocked. Fixed outside handle.		
			<i>For Bright Brass, Clear Coated US3 (BHMA 605) Finish, Add</i>	10.65	
			<i>For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add</i>	9.68	
			<i>For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add</i>	16.14	
			<i>For Satin Stainless Steel US32D (BHMA 630) Finish, Add</i>	113.96	
08 71 23 00-2261	EA		Entrance F08 Mortise Lockset	456.03	22.60
			Note: Locked with key outside and thumb knob inside.		
			<i>For Bright Brass, Clear Coated US3 (BHMA 605) Finish, Add</i>	12.06	
			<i>For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add</i>	10.97	
			<i>For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add</i>	18.28	
			<i>For Satin Stainless Steel US32D (BHMA 630) Finish, Add</i>	129.06	
08 71 23 00-2262	EA		Dormitory/Exit F13 Mortise Lockset.....	399.23	22.60
			Note: Locked with key outside and thumb knob inside.		
			<i>For Bright Brass, Clear Coated US3 (BHMA 605) Finish, Add</i>	10.19	
			<i>For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add</i>	9.26	
			<i>For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add</i>	15.44	
			<i>For Satin Stainless Steel US32D (BHMA 630) Finish, Add</i>	109.01	
08 71 23 00-2263			Locks And Latches (08 71 23 00-2247)		
08 71 23 00-2264			Preassembled Locks And Latches (08 71 23 00-2263)		
			Note: Satin chrome plated US 26D (BHMA 626) - BHMA 156.2-1989 Grade 1, with knob handles.		
08 71 23 00-2265	EA		Passage/Closet F36 Pre-Assembled Latchset.....	566.83	22.60
			Note: Both sides always unlocked.		
			<i>For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add</i>	14.29	
			<i>For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add</i>	23.82	
			<i>For Satin Stainless Steel US32D (BHMA 630) Finish, Add</i>	168.17	
			<i>For Bright Chrome Plated Finish US26 (BHMA 625) Finish, Add</i>	88.61	
			<i>For Grade 2 With Lever Handles, Deduct</i>	-185.32	
			<i>For Grade 2 With Knobs, Deduct</i>	-319.19	



Openings	08	08
Hardware	08 70	
Door Hardware	08 71	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71	23 00-2266	EA	Bath/Bedroom Privacy F37 Pre-Assembled Lockset Note: Locked with push button inside. <i>For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add</i> <i>For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add</i> <i>For Satin Stainless Steel US32D (BHMA 630) Finish, Add</i> <i>For Bright Chrome Plated Finish US26 (BHMA 625) Finish, Add</i> <i>For Grade 2 With Lever Handles, Deduct</i> <i>For Grade 2 With Knobs, Deduct</i>	608.48 15.54 25.90 182.87 96.36 -201.52 -347.09	22.60
08 71	23 00-2267	EA	Entrance/Office F41 Pre-Assembled Lockset Note: Locked with key outside and push button inside. <i>For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add</i> <i>For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add</i> <i>For Satin Stainless Steel US32D (BHMA 630) Finish, Add</i> <i>For Bright Chrome Plated Finish US26 (BHMA 625) Finish, Add</i> <i>For Grade 2 With Lever Handles, Deduct</i> <i>For Grade 2 With Knobs, Deduct</i>	683.16 17.78 29.64 209.23 110.25 -230.57 -397.13	22.60
08 71	23 00-2268	EA	Classroom F42 Pre-Assembled Lockset Note: Locked with key outside. Inside always unlocked. <i>For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add</i> <i>For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add</i> <i>For Satin Stainless Steel US32D (BHMA 630) Finish, Add</i> <i>For Bright Chrome Plated Finish US26 (BHMA 625) Finish, Add</i> <i>For Grade 2 With Lever Handles, Deduct</i> <i>For Grade 2 With Knobs, Deduct</i>	683.16 17.78 29.64 209.23 110.25 -230.57 -397.13	22.60
08 71	23 00-2269	EA	Storeroom/Closet F44 Pre-Assembled Lockset Note: Locked with key outside. Inside always unlocked. Fixed outside handle. <i>For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add</i> <i>For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add</i> <i>For Satin Stainless Steel US32D (BHMA 630) Finish, Add</i> <i>For Bright Chrome Plated Finish US26 (BHMA 625) Finish, Add</i> <i>For Grade 2 With Lever Handles, Deduct</i> <i>For Grade 2 With Knobs, Deduct</i>	683.16 17.78 29.64 209.23 110.25 -230.57 -397.13	22.60
08 71 23 00-2270 Bored Locks And Latches <small>(08 71 23 00-2263)</small>					
Note: Satin chrome plated US 26D (BHMA 626) - BHMA 156.2-1989, Grade 1, 6 pins or 7 pins. Levers or knobs.					
08 71	23 00-2271	EA	Passage/Closet F75 Bored Latchset Note: Both sides always unlocked. <i>For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add</i> <i>For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add</i> <i>For Satin Stainless Steel US32D (BHMA 630) Finish, Add</i> <i>For Bright Chrome Plated Finish US26 (BHMA 625) Finish, Add</i> <i>For Grade 2, Deduct</i> <i>For Bright Brass, Clear Coated US3 (BHMA 605) Finish, Add</i> <i>For Interchangeable Core, Add</i>	202.29 3.36 5.59 39.49 20.81 -5.59 2.24 9.45	22.60
08 71	23 00-2272	EA	Bath/Bedroom Privacy F76 Bored Lockset Note: Locked with push button inside. <i>For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add</i> <i>For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add</i> <i>For Satin Stainless Steel US32D (BHMA 630) Finish, Add</i> <i>For Bright Chrome Plated Finish US26 (BHMA 625) Finish, Add</i> <i>For Grade 2, Deduct</i> <i>For Bright Brass, Clear Coated US3 (BHMA 605) Finish, Add</i> <i>For Interchangeable Core, Add</i>	228.97 4.16 6.93 48.90 25.77 -6.93 2.77 9.45	22.60
08 71	23 00-2273	EA	Entrance/Office F82 Bored Lockset Note: Locked with key outside and push button inside. <i>For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add</i> <i>For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add</i> <i>For Satin Stainless Steel US32D (BHMA 630) Finish, Add</i> <i>For Bright Chrome Plated Finish US26 (BHMA 625) Finish, Add</i> <i>For Grade 2, Deduct</i> <i>For Bright Brass, Clear Coated US3 (BHMA 605) Finish, Add</i> <i>For Interchangeable Core, Add</i>	250.47 4.80 8.00 56.49 29.77 -8.00 3.20 9.45	22.60
08 71	23 00-2274	EA	Classroom F84 Bored Lockset Note: Locked with key outside. Inside always unlocked. <i>For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add</i> <i>For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add</i> <i>For Satin Stainless Steel US32D (BHMA 630) Finish, Add</i> <i>For Bright Chrome Plated Finish US26 (BHMA 625) Finish, Add</i> <i>For Grade 2, Deduct</i> <i>For Bright Brass, Clear Coated US3 (BHMA 605) Finish, Add</i> <i>For Interchangeable Core, Add</i>	250.47 4.80 8.00 56.49 29.77 -8.00 3.20 9.45	22.60
08 71	23 00-2275	EA	Storeroom/Closet F86 Bored Lockset Note: Locked with key outside. Inside always unlocked. Fixed outside handle. <i>For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add</i> <i>For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add</i> <i>For Satin Stainless Steel US32D (BHMA 630) Finish, Add</i> <i>For Bright Chrome Plated Finish US26 (BHMA 625) Finish, Add</i> <i>For Grade 2, Deduct</i> <i>For Bright Brass, Clear Coated US3 (BHMA 605) Finish, Add</i> <i>For Interchangeable Core, Add</i>	250.47 4.80 8.00 56.49 29.77 -8.00 3.20 9.45	22.60

08 Openings**08 70 Hardware****08 71 Door Hardware**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 23 00-2276 EA Corridor/Dormitory F90 Bored Lockset .....250.47		22.60
Note: Locked with key outside and push button inside.		
For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add	4.80	
For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add	8.00	
For Satin Stainless Steel US32D (BHMA 630) Finish, Add	56.49	
For Bright Chrome Plated Finish US26 (BHMA 625) Finish, Add	29.77	
For Grade 2, Deduct	-8.00	
For Bright Brass, Clear Coated US3 (BHMA 605) Finish, Add	3.20	
For Interchangeable Core, Add	9.45	
08 71 23 00-2277 Other Locks (08 71 23 00-2247)		
Note: BHMA A156.5.		
08 71 23 00-2278 EA Steel Exit Lock With Alarm, Single Door Satin Chrome Plated, BHMA E0421 .....680.12		117.55
08 71 23 00-2279 EA Exit Lock With Alarm At Active Leaf And Vertical Rod - Inactive Leaf Rod For Inactive Leaf (Pair Doors) Steel With Satin Chrome Plating BHMA - E0461 .....1,512.22		235.11
08 71 23 00-2280 Pushbutton Combination Locks (08 71 23 00-2247)		
08 71 23 00-2281 Mechanical Pushbutton Combination Locks (08 71 23 00-2280)		
Note: Passage option allows access without using the lock entry code and is activated from the inside with a thumbturn or key. Lockout option disables the lock from the inside so that the entry code cannot be used to gain access.		
08 71 23 00-2282 Mechanical Pushbutton Combination Locks (Kaba® Simplex® 1000 Series)		
(08 71 23 00-2281)		
Note: Satin chrome or antique brass finish.		
08 71 23 00-2283 EA Five Button, Cylindrical Locking Device, Mechanical Pushbutton Combination Lock, Knob (Kaba® Simplex® 1000 Series) .....525.25		56.94
For Bright Chrome Or Bright Brass Finish, Add	17.50	
08 71 23 00-2284 EA Five Button, Cylindrical Locking Device With Passage, Mechanical Pushbutton Combination Lock, Knob (Kaba® Simplex® 1000 Series) .....560.25		56.94
For Bright Chrome Or Bright Brass Finish, Add	17.50	
08 71 23 00-2285 EA Five Button, Cylindrical Locking Device, Mechanical Pushbutton Combination Lock With Key Override, Knob (Kaba® Simplex® 1000 Series) .....574.25		56.94
For Bright Chrome Or Bright Brass Finish, Add	17.50	
08 71 23 00-2286 EA Five Button, Cylindrical Locking Device With Passage, Mechanical Pushbutton Combination Lock With Key Override, Knob (Kaba® Simplex® 1000 Series) .....609.25		56.94
For Bright Chrome Or Bright Brass Finish, Add	17.50	
08 71 23 00-2287 EA Five Button, Cylindrical Locking Device, Mechanical Pushbutton Combination Lock, Lever (Kaba® Simplex® L1000 Series) .....584.75		56.94
For Bright Chrome Or Bright Brass Finish, Add	17.50	
08 71 23 00-2288 EA Five Button, Cylindrical Locking Device With Passage, Mechanical Pushbutton Combination Lock, Lever (Kaba® Simplex® L1000 Series) .....619.75		56.94
For Bright Chrome Or Bright Brass Finish, Add	17.50	
08 71 23 00-2289 EA Five Button, Cylindrical Locking Device, Mechanical Pushbutton Combination Lock With Key Override, Lever (Kaba® Simplex® L1000 Series) .....633.75		56.94
For Bright Chrome Or Bright Brass Finish, Add	17.50	
08 71 23 00-2290 EA Five Button, Cylindrical Locking Device With Passage, Mechanical Pushbutton Combination Lock With Key Override, Lever (Kaba® Simplex® L1000 Series) .....668.75		56.94
For Bright Chrome Or Bright Brass Finish, Add	17.50	
08 71 23 00-2291 Mechanical Pushbutton Combination Locks (Kaba® Simplex® 5000 Series)		
(08 71 23 00-2281)		
Note: ANSI/BHMA Grade 1, Satin chrome finish or black with satin chrome accents.		
08 71 23 00-2292 EA Five Button, Cylindrical Locking Device, Mechanical Pushbutton Combination Lock With Key Override, Knob Or Lever (Kaba® Simplex® 5000 Series) .....576.35		56.94
For Bright Chrome, Bright Brass Or Satin Brass Finish, Add	17.50	
For Dark Bronze Finish With Brass Accents, Add	70.00	
08 71 23 00-2293 EA Five Button, Cylindrical Locking Device With Passage, Mechanical Pushbutton Combination Lock With Key Override, Knob Or Lever (Kaba® Simplex® 5000 Series) .....604.35		56.94
For Bright Chrome, Bright Brass Or Satin Brass Finish, Add	17.50	
For Dark Bronze Finish With Brass Accents, Add	70.00	
08 71 23 00-2294 EA Five Button, Mortise Locking Device, Mechanical Pushbutton Combination Lock With Key Override, Lever (Kaba® Simplex® 5000 Series) .....660.35		56.94
For Bright Chrome, Bright Brass Or Satin Brass Finish, Add	17.50	
For Dark Bronze Finish With Brass Accents, Add	70.00	
08 71 23 00-2295 EA Five Button, Mortise Locking Device With Passage, Mechanical Pushbutton Combination Lock With Key Override, Lever (Kaba® Simplex® 5000 Series) .....681.35		56.94
For Bright Chrome, Bright Brass Or Satin Brass Finish, Add	17.50	
For Dark Bronze Finish With Brass Accents, Add	70.00	
08 71 23 00-2296 EA Five Button, Mortise Locking Device With Deadbolt And Lockout, Mechanical Pushbutton Combination Lock With Key Override, Lever (Kaba® Simplex® 5000 Series) .....681.35		56.94
For Bright Chrome, Bright Brass Or Satin Brass Finish, Add	17.50	
For Dark Bronze Finish With Brass Accents, Add	70.00	
08 71 23 00-2297 EA Five Button, Exit Trim, Mechanical Pushbutton Combination Lock With Key Override, Lever (Kaba® Simplex® 5000 Series) .....646.35		56.94
For Bright Chrome, Bright Brass Or Satin Brass Finish, Add	17.50	
For Dark Bronze Finish With Brass Accents, Add	70.00	
08 71 23 00-2298 Mechanical Pushbutton Combination Locks (Kaba® Simplex® 8100 Series)		
(08 71 23 00-2281)		
Note: Satin chrome or antique brass finish.		



Openings	08	08
Hardware	08 70	
Door Hardware	08 71	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 23 00-2299	EA		Five Button, Mortise Locking Device With Passage And Lockout, Mechanical Pushbutton Combination Lock With Key Override, Lever (Kaba® Simplex® 8100 Series).....	686.25	56.94
			<i>For Bright Chrome Or Bright Brass Finish, Add</i>	17.50	
08 71 23 00-2300	EA		Five Button, Mortise Locking Device With Deadbolt, Passage And Lockout, Mechanical Pushbutton Combination Lock With Key Override, Lever (Kaba® Simplex® 8100 Series).....	707.25	56.94
			<i>For Bright Chrome Or Bright Brass Finish, Add</i>	17.50	
08 71 23 00-2301			Mechanical Pushbutton Combination Locks (Kaba® Simplex® LD 450/470) <small>(08 71 23 00-2281)</small>		
			Note: Satin stainless, bright brass or antique brass finish.		
08 71 23 00-2302	EA		Twelve Button, Tubular Latch Locking Device, Light Duty, Mechanical Pushbutton Combination Lock, Knob (Kaba® Simplex® LD 450 Series).....	324.35	56.94
08 71 23 00-2303	EA		Twelve Button, Tubular Latch Locking Device With Passage, Light Duty, Mechanical Pushbutton Combination Lock, Lever (Kaba® Simplex® LD 470 Series).....	416.75	56.94
08 71 23 00-2304			Electrical Pushbutton Combination Locks <small>(08 71 23 00-2280)</small>		
			Note: Privacy option limits access to privileged users (master codes).		
08 71 23 00-2305			Electrical Pushbutton Combination Locks (Kaba® E-Plex® 2000 Series) <small>(08 71 23 00-2304)</small>		
			Note: ANSI/BHMA Grade 1. Satin chrome finish. Includes 100 access codes and 1,000 audit events.		
08 71 23 00-2306	EA		Twelve Button, Cylindrical Locking Device, Electrical Pushbutton Combination Lock, Lever (Kaba® E-Plex® 2000 Series).....	542.75	56.94
			<i>For Satin Brass Finish, Add</i>	17.50	
08 71 23 00-2307	EA		Twelve Button, Mortise Locking Device, Electrical Pushbutton Combination Lock, Lever (Kaba® E-Plex® 2000 Series).....	626.75	56.94
			<i>For Satin Brass Finish, Add</i>	17.50	
08 71 23 00-2308	EA		Twelve Button, Mortise Locking Device With Deadbolt, Electrical Pushbutton Combination Lock, Lever (Kaba® E-Plex® 2000 Series).....	647.75	56.94
			<i>For Satin Brass Finish, Add</i>	17.50	
08 71 23 00-2309	EA		Twelve Button, Exit Trim, Electrical Pushbutton Combination Lock, Lever (Kaba® E-Plex® 2000 Series).....	612.75	56.94
			<i>For Satin Brass Finish, Add</i>	17.50	
08 71 23 00-2310	EA		Twelve Button, Cylindrical Locking Device, Electrical Pushbutton Combination Lock With Key Override, Lever (Kaba® E-Plex® 2000 Series).....	577.75	56.94
			<i>For Satin Brass Finish, Add</i>	17.50	
08 71 23 00-2311	EA		Twelve Button, Cylindrical Locking Device With Privacy, Electrical Pushbutton Combination Lock With Key Override, Lever (Kaba® E-Plex® 2000 Series).....	647.75	56.94
			<i>For Satin Brass Finish, Add</i>	17.50	
08 71 23 00-2312	EA		Twelve Button, Mortise Locking Device, Electrical Pushbutton Combination Lock With Key Override, Lever (Kaba® E-Plex® 2000 Series).....	661.75	56.94
			<i>For Satin Brass Finish, Add</i>	17.50	
08 71 23 00-2313	EA		Twelve Button, Mortise Locking Device With Deadbolt, Electrical Pushbutton Combination Lock With Key Override, Lever (Kaba® E-Plex® 2000 Series).....	682.75	56.94
			<i>For Satin Brass Finish, Add</i>	17.50	
08 71 23 00-2314	EA		Twelve Button, Exit Trim, Electrical Pushbutton Combination Lock With Key Override, Lever (Kaba® E-Plex® 2000 Series).....	647.75	56.94
			<i>For Satin Brass Finish, Add</i>	17.50	
08 71 23 00-2315			Narrow Stile Application, Electrical Pushbutton Combination Locks (Kaba® E-Plex® 3000 Series) <small>(08 71 23 00-2304)</small>		
			Note: ANSI/BHMA Grade 1. Satin chrome finish. Includes 300 access codes and 9,000 audit events.		
08 71 23 00-2316	EA		Twelve Button, Mortise Locking Device, Narrow Stile Application, Electrical Pushbutton Combination Lock With Key Override, Lever (Kaba® E-Plex® 3000 Series).....	682.75	56.94
			<i>For Dark Bronze Finish With Brass Accents, Add</i>	70.00	
			<i>For Remote Unlock, Add</i>	90.16	
			Note: Excludes momentary contact switch.		
08 71 23 00-2317	EA		Twelve Button, Mortise Locking Device With Deadbolt, Narrow Stile Application, Electrical Pushbutton Combination Lock With Key Override, Lever (Kaba® E-Plex® 3000 Series).....	682.75	56.94
			<i>For Dark Bronze Finish With Brass Accents, Add</i>	70.00	
			<i>For Remote Unlock, Add</i>	90.16	
			Note: Excludes momentary contact switch.		
08 71 23 00-2318			Narrow Stile Application, Electrical Pushbutton Combination Locks (Kaba® E-Plex® 3200 Series) <small>(08 71 23 00-2304)</small>		
			Note: ANSI/BHMA Grade 1. Satin chrome finish. Includes 3,000 access codes and 30,000 audit events.		
08 71 23 00-2319	EA		Twelve Button, Mortise Locking Device, Narrow Stile Application, Electrical Pushbutton Combination Lock With Key Override, Lever (Kaba® E-Plex® 3200 Series).....	791.25	56.94
			<i>For Dark Bronze Finish With Brass Accents, Add</i>	70.00	
			<i>For Remote Unlock, Add</i>	90.16	
			Note: Excludes momentary contact switch.		
08 71 23 00-2320	EA		Twelve Button, Mortise Locking Device With Deadbolt, Narrow Stile Application, Electrical Pushbutton Combination Lock With Key Override, Lever (Kaba® E-Plex® 3200 Series).....	791.25	56.94
			<i>For Dark Bronze Finish With Brass Accents, Add</i>	70.00	
			<i>For Remote Unlock, Add</i>	90.16	
			Note: Excludes momentary contact switch.		
08 71 23 00-2321			Electrical Pushbutton Combination Locks (Kaba® E-Plex® 5200 Series) <small>(08 71 23 00-2304)</small>		
			Note: ANSI/BHMA Grade 1. Satin chrome finish. Includes 3,000 access codes and 30,000 audit events.		

08 Openings**08 70 Hardware****08 71 Door Hardware**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 23 00-2322	EA		Twelve Button, Cylindrical Locking Device, Electrical Pushbutton Combination Lock With Key Override, Lever (Kaba® E-Plex® 5200 Series).....	847.25	56.94
			<i>For Bright Chrome, Bright Brass Or Satin Brass Finish, Add</i>	17.50	
			<i>For Dark Bronze Finish With Brass Accents, Add</i>	70.00	
			<i>For Remote Unlock, Add</i>	90.16	
			<i>Note: Excludes momentary contact switch.</i>		
08 71 23 00-2323	EA		Twelve Button, Cylindrical Locking Device With Privacy, Electrical Pushbutton Combination Lock With Key Override, Lever (Kaba® E-Plex® 5200 Series).....	917.25	56.94
			<i>For Bright Chrome, Bright Brass Or Satin Brass Finish, Add</i>	17.50	
			<i>For Dark Bronze Finish With Brass Accents, Add</i>	70.00	
			<i>For Remote Unlock, Add</i>	90.16	
			<i>Note: Excludes momentary contact switch.</i>		
08 71 23 00-2324	EA		Twelve Button, Mortise Locking Device, Electrical Pushbutton Combination Lock With Key Override, Lever (Kaba® E-Plex® 5200 Series).....	931.25	56.94
			<i>For Bright Chrome, Bright Brass Or Satin Brass Finish, Add</i>	17.50	
			<i>For Dark Bronze Finish With Brass Accents, Add</i>	70.00	
			<i>For Remote Unlock, Add</i>	90.16	
			<i>Note: Excludes momentary contact switch.</i>		
08 71 23 00-2325	EA		Twelve Button, Mortise Locking Device With Deadbolt, Electrical Pushbutton Combination Lock With Key Override, Lever (Kaba® E-Plex® 5200 Series).....	952.25	56.94
			<i>For Bright Chrome, Bright Brass Or Satin Brass Finish, Add</i>	17.50	
			<i>For Dark Bronze Finish With Brass Accents, Add</i>	70.00	
			<i>For Remote Unlock, Add</i>	90.16	
			<i>Note: Excludes momentary contact switch.</i>		
08 71 23 00-2326	EA		Twelve Button, Exit Trim, Electrical Pushbutton Combination Lock With Key Override, Lever (Kaba® E-Plex® 5200 Series).....	917.25	56.94
			<i>For Bright Chrome, Bright Brass Or Satin Brass Finish, Add</i>	17.50	
			<i>For Dark Bronze Finish With Brass Accents, Add</i>	70.00	
			<i>For Remote Unlock, Add</i>	90.16	
			<i>Note: Excludes momentary contact switch.</i>		
08 71 23 00-2327			Electrical Pushbutton Combination Lock/Card Readers (Kaba® E-Plex® 5800 Series) <small>(08 71 23 00-2304)</small>		
			Note: ANSI/BHMA Grade 1. Satin chrome or black with satin chrome accents finish. Includes 3,000 access codes and 30,000 audit events.		
08 71 23 00-2328	EA		Twelve Button, Cylindrical Locking Device, Electrical Pushbutton Combination Lock/Card Reader With Key Override, Lever (Kaba® E-Plex® 5800 Series).....	1,179.75	56.94
			<i>For Bright Chrome, Bright Brass Or Satin Brass Finish, Add</i>	17.50	
			<i>For Dark Bronze Finish With Brass Accents, Add</i>	70.00	
			<i>For Remote Unlock, Add</i>	90.16	
			<i>Note: Excludes momentary contact switch.</i>		
08 71 23 00-2329	EA		Twelve Button, Cylindrical Locking Device With Privacy, Electrical Pushbutton Combination Lock/Card Reader With Key Override, Lever (Kaba® E-Plex® 5800 Series).....	1,249.75	56.94
			<i>For Bright Chrome, Bright Brass Or Satin Brass Finish, Add</i>	17.50	
			<i>For Dark Bronze Finish With Brass Accents, Add</i>	70.00	
			<i>For Remote Unlock, Add</i>	90.16	
			<i>Note: Excludes momentary contact switch.</i>		
08 71 23 00-2330	EA		Twelve Button, Mortise Locking Device, Electrical Pushbutton Combination Lock/Card Reader With Key Override, Lever (Kaba® E-Plex® 5800 Series).....	1,263.75	56.94
			<i>For Bright Chrome, Bright Brass Or Satin Brass Finish, Add</i>	17.50	
			<i>For Dark Bronze Finish With Brass Accents, Add</i>	70.00	
			<i>For Remote Unlock, Add</i>	90.16	
			<i>Note: Excludes momentary contact switch.</i>		
08 71 23 00-2331	EA		Twelve Button, Mortise Locking Device With Deadbolt, Electrical Pushbutton Combination Lock/Card Reader With Key Override, Lever (Kaba® E-Plex® 5800 Series).....	1,284.75	56.94
			<i>For Bright Chrome, Bright Brass Or Satin Brass Finish, Add</i>	17.50	
			<i>For Dark Bronze Finish With Brass Accents, Add</i>	70.00	
			<i>For Remote Unlock, Add</i>	90.16	
			<i>Note: Excludes momentary contact switch.</i>		
08 71 23 00-2332	EA		Twelve Button, Exit Trim, Electrical Pushbutton Combination Lock/Card Reader With Key Override, Lever (Kaba® E-Plex® 5800 Series).....	1,249.75	56.94
			<i>For Bright Chrome, Bright Brass Or Satin Brass Finish, Add</i>	17.50	
			<i>For Dark Bronze Finish With Brass Accents, Add</i>	70.00	
			<i>For Remote Unlock, Add</i>	90.16	
			<i>Note: Excludes momentary contact switch.</i>		
08 71 23 00-2333			Entry/Egress, Electrical Pushbutton Combination Lock/Card Readers (Kaba® E-Plex® 5886 Series) <small>(08 71 23 00-2304)</small>		
			Note: ANSI/BHMA Grade 1. Satin chrome or black with satin chrome accents finish. Includes 3,000 access codes and 30,000 audit events.		
08 71 23 00-2334	EA		Twelve Button, Mortise Locking Device, Entry/Egress, Electrical Pushbutton Combination Lock/Card Reader With Key Override, Lever (Kaba® E-Plex® 5886 Series).....	1,655.75	56.94
			<i>For Dark Bronze Finish With Brass Accents, Add</i>	70.00	
			<i>For Bright Chrome, Bright Brass Or Satin Brass Finish, Add</i>	35.00	
08 71 23 00-2335			Stand Alone Access Controller, Electrical Pushbutton Combination Lock/Card Readers (Kaba® E-Plex® 5870 Series) <small>(08 71 23 00-2304)</small>		
			Note: ANSI/BHMA Grade 1. Satin chrome or black with satin chrome accents finish. Includes 3,000 access codes and 30,000 audit events.		



Openings	08	08
Hardware	08 70	
Door Hardware	08 71	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 23 00-2336	EA		Twelve Button, Stand Alone Access Controller, Electrical Pushbutton Combination Lock/Card Reader (Kaba® E-Plex® 5870 Series) <i>For Bright Chrome, Bright Brass Or Satin Brass Finish, Add</i> <i>For Dark Bronze Finish With Brass Accents, Add</i>	1,057.25 17.50 70.00	56.94
08 71 23 00-2337			Electrical Pushbutton Combination Lock Accessories (Kaba® E-Plex®) (08 71 23 00-2304)		
08 71 23 00-2338	EA		Standard Software Implementation Kit (Kaba® E-Plex®).....	532.19	
08 71 23 00-2339	EA		Enterprise Software Implementation Kit (Kaba® E-Plex®).....	672.19	
08 71 23 00-2340	EA		E-Plex General FIPS Software Implementation Kit (Kaba® E-Plex®).....	882.19	
08 71 23 00-2341	EA		USB FIPS/DESFire Card Reader/Enroller (Kaba® E-Plex®).....	269.60	
08 71 23 00-2342	EA		High Capacity Battery Kit (Kaba® E-Plex® E5x00 Series)..... Note: Includes 4 C-cell battery pack.	81.57	
08 71 23 00-2343	EA		12-24 VDC Power Interface Kit (Kaba® E-Plex® E5x00 Series).....	96.27	
08 71 23 00-2344			Self-Powered, Electrical Pushbutton Combination Locks (Kaba® PowerPlex® 2000 Series) (08 71 23 00-2304) Note: ANSI/BHMA Grade 1. Satin chrome finish.		
08 71 23 00-2345	EA		Twelve Button, Cylindrical Locking Device, Self-Powered, Electrical Pushbutton Combination Lock, Lever (Kaba® PowerPlex® 2000 Series) <i>For Satin Brass Finish, Add</i> <i>For Owner Furnished Material, Deduct</i>	665.25 17.50 -437.50	56.94
08 71 23 00-2346	EA		Twelve Button, Mortise Locking Device, Self-Powered, Electrical Pushbutton Combination Lock, Lever (Kaba® PowerPlex® 2000 Series) <i>For Satin Brass Finish, Add</i> <i>For Owner Furnished Material, Deduct</i>	749.25 17.50 -521.50	56.94
08 71 23 00-2347	EA		Twelve Button, Mortise Locking Device With Deadbolt, Self-Powered, Electrical Pushbutton Combination Lock, Lever (Kaba® PowerPlex® 2000 Series) <i>For Satin Brass Finish, Add</i> <i>For Owner Furnished Material, Deduct</i>	770.25 17.50 -542.50	56.94
08 71 23 00-2348	EA		Twelve Button, Exit Trim, Self-Powered, Electrical Pushbutton Combination Lock, Lever (Kaba® PowerPlex® 2000 Series) <i>For Satin Brass Finish, Add</i> <i>For Owner Furnished Material, Deduct</i>	735.25 17.50 -507.50	56.94
08 71 23 00-2349	EA		Twelve Button, Cylindrical Locking Device, Self-Powered, Electrical Pushbutton Combination Lock With Key Override, Lever (Kaba® PowerPlex® 2000 Series)..... <i>For Satin Brass Finish, Add</i> <i>For Owner Furnished Material, Deduct</i>	700.25 17.50 -472.50	56.94
08 71 23 00-2350	EA		Twelve Button, Cylindrical Locking Device With Privacy, Self-Powered, Electrical Pushbutton Combination Lock With Key Override, Lever (Kaba® PowerPlex® 2000 Series) <i>For Satin Brass Finish, Add</i> <i>For Owner Furnished Material, Deduct</i>	770.25 17.50 -542.50	56.94
08 71 23 00-2351	EA		Twelve Button, Mortise Locking Device, Self-Powered, Electrical Pushbutton Combination Lock With Key Override, Lever (Kaba® PowerPlex® 2000 Series)..... <i>For Satin Brass Finish, Add</i> <i>For Owner Furnished Material, Deduct</i>	784.25 17.50 -556.50	56.94
08 71 23 00-2352	EA		Twelve Button, Mortise Locking Device With Deadbolt, Self-Powered, Electrical Pushbutton Combination Lock With Key Override, Lever (Kaba® PowerPlex® 2000 Series) <i>For Satin Brass Finish, Add</i> <i>For Owner Furnished Material, Deduct</i>	805.25 17.50 -577.50	56.94
08 71 23 00-2353	EA		Twelve Button, Exit Trim, Self-Powered, Electrical Pushbutton Combination Lock With Key Override, Lever (Kaba® PowerPlex® 2000 Series) <i>For Satin Brass Finish, Add</i> <i>For Owner Furnished Material, Deduct</i>	770.25 17.50 -542.50	56.94
08 71 23 00-2354			Electrical Pushbutton Combination Locks (Schlage) (08 71 23 00-2304) Note: ANSI/BHMA Grade 1. Satin chrome finish.		
08 71 23 00-2355	EA		Class 100, Cylindrical, Classroom/Storeroom, Keypad, Sparta Lever, Standalone Electronic Lock (Schlage CO100CY70KP626BD-D) <i>For Owner Furnished Material, Deduct</i>	594.52 -368.45	56.51
08 71 23 00-2356	EA		Class 200, Cylindrical, Classroom/Storeroom, Keypad, Sparta Lever, Standalone Electronic Lock (Schlage CO200CY70KP-D) <i>For Owner Furnished Material, Deduct</i>	677.23 -451.16	56.51
08 71 23 00-2357	EA		Class 200, Cylindrical, Classroom/Storeroom, Magnetic Strip + Keypad, Sparta Lever, Standalone Electronic Lock (Schlage CO200CY70MSK626) <i>For Owner Furnished Material, Deduct</i>	755.11 -529.04	56.51
08 71 23 00-2358	EA		Class 200, Cylindrical, Classroom/Storeroom, Keypad, Sparta Lever, Standalone Electronic Lock (Schlage AD200CY70KP626)..... <i>For Owner Furnished Material, Deduct</i>	964.58 -738.51	56.51
08 71 23 00-2359	EA		Class 200, Cylindrical, Classroom/Storeroom, Magnetic Strip + Keypad, Sparta Lever, Standalone Electronic Lock (Schlage AD200CY70MKS626)..... <i>For Owner Furnished Material, Deduct</i>	1,047.83 -821.76	56.51
08 71 23 00-2360	EA		Class 400, Cylindrical, Classroom/Storeroom, Magnetic Strip + Keypad, Sparta Lever, Networked Wireless Electronic Lock (Schlage AD400CY70MSKSPA626) <i>For Owner Furnished Material, Deduct</i>	1,145.59 -919.52	56.51
08 71 23 00-2361	EA		Class 300, Cylindrical, Classroom/Storeroom, Magnetic Strip + Keypad, Sparta Lever, Networked Wireless Electronic Lock (Schlage AD300CY70MSKSPA626) <i>For Owner Furnished Material, Deduct</i>	1,058.57 -832.50	56.51
08 71 23 00-2362			Residential Locks And Latchsets (08 71 23 00-2247)		

08 Openings**08 70 Hardware****08 71 Door Hardware**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 23 00-2363 EA Residential Entry Lockset With Knobs (Master Keyed).....	62.74	13.67
08 71 23 00-2364 EA Residential Privacy Lockset With Knobs.....	61.83	13.67
08 71 23 00-2365 EA Residential Passage Lockset With Knobs.....	61.71	13.67
08 71 23 00-2366 EA Residential Dummy Lockset With Knobs.....	49.73	11.39
08 71 23 00-2367 EA Residential Entry Lockset With Levers (Master Keyed).....	69.01	13.67
08 71 23 00-2368 EA Residential Privacy Lockset With Levers.....	66.92	13.67
08 71 23 00-2369 EA Residential Passage Lockset With Levers.....	65.42	13.67
08 71 23 00-2370 EA Residential Dummy Lockset With Levers.....	50.44	11.39
08 71 23 00-2371 EA Screen Door - Closer.....	35.37	9.83
08 71 23 00-2372 EA Screen Door - Locking Handle.....	41.13	14.12
08 71 23 00-2373 Deadbolts (08 71 23 00-2247)		
08 71 23 00-2374 Cylindrical Deadbolts, Grade 1, ANSI 156.5 (08 71 23 00-2373)		
Note: 2-3/8" or 2-3/4" backset.		
08 71 23 00-2375 EA Single Cylinder Deadbolt, Key One Side, Knob One Side.....	133.55	22.60
Note: Cylindrical, ANSI Grade 1, interchangeable core, bright brass or satin chromium finish.		
For Bright Chromium Or Oiled Rubbed Bronze Finish, Add	4.20	
08 71 23 00-2376 EA Double Cylinder Deadbolt, Key Both Sides.....	149.75	22.60
Note: Cylindrical, ANSI Grade 1, interchangeable core, bright brass or satin chromium finish.		
For Bright Chromium Or Oiled Rubbed Bronze Finish, Add	4.20	
08 71 23 00-2377 Cylindrical Deadbolts, Grade 2, ANSI 156.5 (08 71 23 00-2373)		
Note: 2-3/8" or 2-3/4" backset.		
08 71 23 00-2378 EA Single Cylinder Deadbolt, Key One Side, Knob One Side.....	122.45	22.60
Note: Cylindrical, ANSI Grade 2, interchangeable core, bright brass or satin chromium finish.		
For Bright Chromium Or Oiled Rubbed Bronze Finish, Add	4.20	
08 71 23 00-2379 EA Double Cylinder Deadbolt, Key Both Sides.....	140.15	22.60
Note: Cylindrical, ANSI Grade 2, interchangeable core, bright brass or satin chromium finish.		
For Bright Chromium Or Oiled Rubbed Bronze Finish, Add	4.20	
08 71 23 00-2380 Small Case Mortised Deadbolts, Grade 1, ANSI 156.5 (08 71 23 00-2373)		
Note: Interchangeable cores with small case size, 4-1/2" x 3-1/2" nominal.		
08 71 23 00-2381 EA Small Case Mortised Deadbolt, Key One Side, Knob One Side.....	172.03	22.60
Note: ANSI Grade 1, interchangeable cores, all finishes. Case size 4-1/2" x 3-1/2" (nominal).		
08 71 23 00-2382 EA Small Case Mortised Deadbolt, Key Both Sides.....	187.03	22.60
Note: ANSI Grade 1, interchangeable cores, all finishes. Case size 4-1/2" x 3-1/2" (nominal). Also used for Classroom version.		
08 71 23 00-2383 EA Small Case Mortised Deadbolt, Key One Side, Cover Plate One Side.....	169.03	22.60
Note: ANSI Grade 1, interchangeable cores, all finishes. Case size 4-1/2" x 3-1/2" (nominal).		
08 71 23 00-2384 Mortised Deadbolts, Grade 1, ANSI 156.5 (08 71 23 00-2373)		
Note: Interchangeable cores with standard case size, 4-1/2" x 6" nominal.		
08 71 23 00-2385 EA Mortised Deadbolt, Key One Side, Knob One Side.....	212.83	22.60
Note: ANSI Grade 1, interchangeable cores, all finishes. Case size 4-1/2" x 6" (nominal).		
08 71 23 00-2386 EA Mortised Deadbolt, Key Both Sides.....	237.43	22.60
Note: ANSI Grade 1, interchangeable cores, all finishes. Case size 4-1/2" x 6" (nominal). Also used for Classroom version.		
08 71 23 00-2387 EA Mortised Deadbolt, Key One Side, Cover Plate One Side.....	191.83	22.60
Note: ANSI Grade 1, interchangeable cores, all finishes. Case size 4-1/2" x 6" (nominal).		
08 71 23 00-2388 Surface Mounted Deadbolts (08 71 23 00-2373)		
08 71 23 00-2389 EA Single Cylinder Surface Mounted Deadbolt.....	98.28	22.60
Note: Key one side, knob one side, bright brass finish.		
For Brushed Chrome Finish, Add	10.50	
08 71 23 00-2390 EA Double Cylinder Surface Mounted Deadbolt.....	109.12	22.60
Note: Key both sides, bright brass finish.		
For Brushed Chrome Finish, Add	10.50	
08 71 23 00-2391 EA Single Cylinder Surface Mounted Interlocking Deadbolt.....	117.74	22.60
Note: Jimmy proof, key one side, knob one side, bright brass finish.		
For Brushed Chrome Finish, Add	10.50	
08 71 23 00-2392 EA Double Cylinder Surface Mounted Interlocking Deadbolt.....	128.58	22.60
Note: Jimmy proof, key both sides, bright brass finish.		
For Brushed Chrome Finish, Add	10.50	
08 71 23 00-2393 Surface Mounted Deadlatches (08 71 23 00-2247)		
08 71 23 00-2394 EA Single Cylinder Surface Mounted Deadlatch.....	99.13	22.60
Note: Key one side, knob one side, bright brass finish.		
For Brushed Chrome Finish, Add	10.50	
08 71 23 00-2395 EA Single Cylinder Surface Mounted Interlocking Deadlatch.....	117.78	22.60
Note: Jimmy proof, key one side, knob one side, bright brass finish.		
For Brushed Chrome Finish, Add	10.50	
08 71 23 00-2396 Electric Strikes (08 71 23 00-2247)		
08 71 23 00-2397 EA Aluminum/Steel Body Electric Strike (Von Duprin 5100).....	245.77	45.22
08 71 23 00-2398 EA Stainless Steel Body Electric Strike For Rim Mounted Lock (Von Duprin 6112).....	501.75	45.22



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 23 00-2399 EA Stainless Steel Body Electric Strike (Von Duprin 6215).....	527.82	45.22
08 71 23 00-2400 EA Dual Voltage Electric Strike, Stainless Steel Body, 12/24 Volts DC, 3,070 LB Static Strength (HES 1006).....	380.24	45.22
08 71 23 00-2401 EA Fire Rated Electric Strike, Stainless Steel Body, 12/24 Volts DC, 3,000 LB Static Strength (HES 4500).....	378.21	45.22
08 71 23 00-2402 EA Low Profile Electric Strike, Steel Body, 12/24 Volts DC, 1,500 LB Static Strength (HES 5000).....	203.68	45.22
08 71 23 00-2403 EA Adjustable Electric Strike, Steel Body, 12/24 Volts DC, 1,500 LB Static Strength (HES 5200).....	203.68	45.22
08 71 23 00-2404 EA Electric Strike With Preload, Stainless Steel Body, 12/24 Volts DC, 1,500 LB Static Strength, Cylindrical Or Rim Exit Device (HES 7000).....	251.09	45.22
08 71 23 00-2405 EA Cylindrical Lock Electric Strike, Stainless Steel Body, 12/24 Volts DC, 1,500 LB Static Strength (HES 7500).....	418.75	45.22
08 71 23 00-2406 EA Compact Concealed Electric Strike, Stainless Steel Body, 12/24 Volts DC, 1,500 LB Static Strength (HES 8000).....	225.64	45.22
08 71 23 00-2407 EA Fire Rated Compact Concealed Electric Strike, Stainless Steel Body, 12/24 Volts DC, 1,500 LB Static Strength (HES 8300).....	387.78	45.22
08 71 23 00-2408 EA Fire Rated Concealed Electric Strike, Stainless Steel Body, 12/24 Volts DC, 1,500 LB Static Strength (HES 8500).....	346.91	45.22
08 71 23 00-2409 EA Slim Line Surface Mounted Electric Strike, Stainless Steel Body, 12/24 Volts DC, 1,500 LB Static Strength (HES 9400).....	416.82	59.68
08 71 23 00-2410 EA Fire Rated Surface Mounted Electric Strike, Stainless Steel Body, 12/24 Volts DC, 1,500 LB Static Strength, Rim Exit Device (HES 9500).....	467.79	59.68
08 71 23 00-2411 EA Surface Mounted Electric Strike, Stainless Steel Body, 12/24 Volts DC, 1,500 LB Static Strength, Rim Exit Device (HES 9600).....	417.09	59.68
08 71 23 00-2412 Electric Hardware (08 71 23 00-2247)		
08 71 23 00-2413 EA Electrified Cylindrical Lock Option.....	118.55	
Note: Excludes the lock. This task is used in conjunction with other locks in the CTC to electrify the lock.		
08 71 23 00-2414 EA Electrified Mortise Lock Option.....	135.59	
Note: Excludes the lock. This task is used in conjunction with other locks in the CTC to electrify the lock.		
08 71 23 00-2415 EA 24" Long, 3/8" Flexible Aluminum Conduit, Armored Power Transfer Door Loop.....	77.41	22.60
08 71 23 00-2416 EA 1 Amp At 12/24 Volt DC, Door Hardware Power Supply.....	223.38	22.60
08 71 23 00-2417 EA 3 Amp At 12 Volt DC, 2 Amp At 24 Volt DC, Door Hardware Power Supply.....	376.05	22.60
08 71 23 00-2418 EA 4.5 Amp At 12 Volt DC, 3 Amp At 24 Volt DC, Door Hardware Power Supply.....	567.23	22.60
08 71 23 00-2419 EA 6 Amp At 12 Volt DC, 4 Amp At 24 Volt DC, Door Hardware Power Supply.....	625.83	22.60
08 71 23 00-2420 EA 9 Amp At 12 Volt DC, 6 Amp At 24 Volt DC, Door Hardware Power Supply.....	744.43	22.60
08 71 23 00-2421 EA 15 Amp At 12 Volt DC, 10 Amp At 24 Volt DC, Door Hardware Power Supply.....	899.32	22.60
08 71 23 00-2422 EA 18" Long, 1/4" Flexible Aluminum Conduit, Armored Power Transfer Door Loop.....	67.49	22.60
08 71 23 00-2423 EA 24" Long, 1/4" Flexible Aluminum Conduit, Armored Power Transfer Door Loop.....	68.66	22.60
08 71 23 00-2424 EA 30" Long, 1/4" Flexible Aluminum Conduit, Armored Power Transfer Door Loop.....	75.84	22.60
08 71 23 00-2425 EA 45" Long, 1/4" Flexible Aluminum Conduit, Armored Power Transfer Door Loop.....	77.26	22.60
08 71 23 00-2426 EA 60" Long, 1/4" Flexible Aluminum Conduit, Armored Power Transfer Door Loop.....	77.99	22.60
08 71 23 00-2427 EA 72" Long, 1/4" Flexible Aluminum Conduit, Armored Power Transfer Door Loop.....	82.11	22.60
08 71 23 00-2428 EA 12" Long, 3/8" Flexible Aluminum Conduit, Armored Power Transfer Door Loop.....	68.24	22.60
08 71 23 00-2429 EA 18" Long, 3/8" Flexible Aluminum Conduit, Armored Power Transfer Door Loop.....	73.99	22.60
08 71 23 00-2430 EA 36" Long, 3/8" Flexible Aluminum Conduit, Armored Power Transfer Door Loop.....	78.55	22.60
08 71 23 00-2431 EA 49" Long, 3/8" Flexible Aluminum Conduit, Armored Power Transfer Door Loop.....	86.42	22.60
08 71 23 00-2432 EA 60" Long, 3/8" Flexible Aluminum Conduit, Armored Power Transfer Door Loop.....	88.61	22.60
08 71 23 00-2433 EA 12" Long, 1/2" Flexible Aluminum Conduit, Armored Power Transfer Door Loop.....	75.43	22.60
08 71 23 00-2434 EA 18" Long, 1/2" Flexible Aluminum Conduit, Armored Power Transfer Door Loop.....	83.48	22.60
08 71 23 00-2435 EA 18" Long, 1/4" Flexible Conduit, Stainless Steel Armored Power Transfer Door Loop.....	56.29	22.60
08 71 23 00-2436 EA 24" Long, 1/4" Flexible Conduit, Stainless Steel Armored Power Transfer Door Loop.....	62.52	22.60
08 71 23 00-2437 EA 30" Long, 1/4" Flexible Conduit, Stainless Steel Armored Power Transfer Door Loop.....	65.82	22.60
08 71 23 00-2438 EA 36" Long, 1/4" Flexible Conduit, Stainless Steel Armored Power Transfer Door Loop.....	69.35	22.60
08 71 23 00-2439 EA 60" Long, 1/4" Flexible Conduit, Stainless Steel Armored Power Transfer Door Loop.....	87.70	22.60
08 71 23 00-2440 EA 72" Long, 1/4" Flexible Conduit, Stainless Steel Armored Power Transfer Door Loop.....	95.37	22.60
08 71 23 00-2441 EA 12" Long, 3/8" Flexible Conduit, Stainless Steel Armored Power Transfer Door Loop.....	58.84	22.60
08 71 23 00-2442 EA 18" Long, 3/8" Flexible Conduit, Stainless Steel Armored Power Transfer Door Loop.....	61.24	22.60
08 71 23 00-2443 EA 24" Long, 3/8" Flexible Conduit, Stainless Steel Armored Power Transfer Door Loop.....	62.84	22.60
08 71 23 00-2444 EA 36" Long, 3/8" Flexible Conduit, Stainless Steel Armored Power Transfer Door Loop.....	79.78	22.60
08 71 23 00-2445 EA 48" Long, 3/8" Flexible Conduit, Stainless Steel Armored Power Transfer Door Loop.....	89.97	22.60
08 71 23 00-2446 EA 60" Long, 3/8" Flexible Conduit, Stainless Steel Armored Power Transfer Door Loop.....	106.69	22.60
08 71 23 00-2447 EA 12" Long, 1/2" Flexible Conduit, Stainless Steel Armored Power Transfer Door Loop.....	62.84	22.60
08 71 23 00-2448 EA 18" Long, 1/2" Flexible Conduit, Stainless Steel Armored Power Transfer Door Loop.....	66.53	22.60
08 71 23 00-2449 EA Two 18 Gauge Wire, Door Frame To Edge Of Door Electrical Power Transfer.....	385.64	22.60
08 71 23 00-2450 EA Ten 24 Gauge Wire, Door Frame To Edge Of Door Electrical Power Transfer.....	423.80	31.65
08 71 23 00-2451 Magnetic Locks (08 71 23 00-2247)		
08 71 23 00-2452 EA Electromagnetic Lock, 500 lb. Holding Force, Stainless Steel (Schlage 40).....	498.31	108.51
08 71 23 00-2453 EA Electromagnetic Lock, 500 lb. Holding Force, Stainless Steel (Schlage 40TJ).....	594.01	122.08
08 71 23 00-2454 EA Electromagnetic Lock, 1,000 lb. Holding Force, Stainless Steel (Schlage 70).....	574.03	108.51
08 71 23 00-2455 EA Electromagnetic Lock, 1,000 lb. Holding Force, Stainless Steel (Schlage 70TJ).....	698.58	122.08
08 71 23 00-2456 EA Electromagnetic Lock, 500 lb. Holding Force, Aluminum (Schlage M420).....	602.69	117.55
08 71 23 00-2457 EA Electromagnetic Lock, 1,000 lb. Holding Force, Aluminum (Schlage M450).....	654.62	117.55
08 71 23 00-2458 EA Electromagnetic Lock, 1500 lb. Holding Force, Aluminum (Schlage M490).....	695.05	117.55
08 71 23 00-2459 EA Electromagnetic Lock, 500 lb. Holding Force, Aluminum (Schlage M420P).....	766.68	135.64
Note: Includes magnetic bond sensor, door position switch and relock time delay.		
08 71 23 00-2460 EA Electromagnetic Lock, 1,000 lb. Holding Force, Aluminum (Schlage M450P).....	835.72	135.64
Note: Includes magnetic bond sensor, door position switch and relock time delay.		
08 71 23 00-2461 EA Electromagnetic Lock, 1500 lb. Holding Force, Aluminum (Schlage M490P).....	866.82	135.64
Note: Includes magnetic bond sensor, door position switch and relock time delay.		
08 71 23 00-2462 EA 2 Amp Output Current, 12-24 Volt DC, 4 Relay with Fire Alarm (Schlage PS902).....	261.86	45.22
08 71 23 00-2463 EA 4 Amp Output Current, 12-24 Volt DC, 4 Relay with Fire Alarm (Schlage PS904).....	416.96	45.22
08 71 23 00-2464 EA 6 Amp Output Current, 12-24 Volt DC, 4 Relay with Fire Alarm (Schlage PS906).....	497.57	45.22

08 Openings**08 70 Hardware****08 71 Door Hardware**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 23 00-2465 Door Coordinators (08 71 23)		
08 71 23 00-2466 EA 32" COR Series Door Coordinator Note: Satin chrome finish. Includes two mounting brackets. <i>For Anodized Aluminum Finish, Deduct</i> -74.78	300.00	28.26
08 71 23 00-2467 EA 42" COR Series Door Coordinator Note: Satin chrome finish. Includes two mounting brackets. <i>For Anodized Aluminum Finish, Deduct</i> -78.87	314.72	29.39
08 71 23 00-2468 EA 52" COR Series Door Coordinator Note: Satin chrome finish. Includes two mounting brackets. <i>For Anodized Aluminum Finish, Deduct</i> -80.25	322.70	30.52
08 71 23 00-2469 EA 60" COR Series Door Coordinator Note: Satin chrome finish. Includes two mounting brackets. <i>For Anodized Aluminum Finish, Deduct</i> -83.96	336.51	31.65
08 71 23 00-2470 EA 72" COR Series Door Coordinator Note: Satin chrome finish. Includes two mounting brackets. <i>For Anodized Aluminum Finish, Deduct</i> -91.35	359.50	32.78
08 71 23 00-2471 EA Up To 20" Filler Bar For Door Coordinator <i>For Anodized Aluminum Finish, Deduct</i> -14.85	73.30	9.04
08 71 23 00-2472 EA Up To 32" Filler Bar For Door Coordinator <i>For Anodized Aluminum Finish, Deduct</i> -16.11	80.96	10.17
08 71 23 00-2473 EA Up To 44" Filler Bar For Door Coordinator <i>For Anodized Aluminum Finish, Deduct</i> -18.95	92.60	11.31
08 71 23 00-2474 EA CB1 Carry Bar For Door Coordinator <i>For Anodized Aluminum Finish, Deduct</i> -10.56	71.61	11.31
08 71 23 00-2475 EA 7" Projection COR Series Gravity Type Door Coordinator <i>For Anodized Aluminum Finish, Deduct</i> -15.32	106.11	16.96
08 71 23 00-2476 EA 9" Projection COR Series Gravity Type Door Coordinator <i>For Anodized Aluminum Finish, Deduct</i> -17.77	112.24	16.96
08 71 23 00-2477 Removal And Reinstallation Of Door Hardware (08 71 23) Note: Includes storage and cleaning.		
08 71 23 00-2478 EA Removal And Reinstallation Of Door Lockset, Entrance 67.82		
08 71 23 00-2479 EA Removal And Reinstallation Of Door Lockset, Mortise 108.51		
08 71 23 00-2480 EA Removal And Reinstallation Of Deadbolt Lock 72.35		
08 71 23 00-2481 PR Removal And Reinstallation Of Butts/Hinges 18.09		
08 71 23 00-2482 EA Removal And Reinstallation Of Door Bumper 6.33		
08 71 23 00-2483 EA Removal And Reinstallation Of Surface Mounted Panic Device 180.85		
08 71 23 00-2484 EA Removal And Reinstallation Of Kick Plate 22.60		
08 71 23 00-2485 EA Removal And Reinstallation Of Push Plate 18.09		
08 71 23 00-2486 EA Removal And Reinstallation Of Surface Mounted Door Closer Or Holder 90.43		
08 71 23 00-2487 EA Removal And Reinstallation Of Door Handles 13.57		
08 71 23 00-2488 Electromagnetic Door Release (08 71 23)		
08 71 23 00-2489 EA Electro-Magnetic Door Release, Wall Mount, Surface 120 Volt AC, 24 Volt AC/DC, 12 Volt DC 386.57	56.97	
08 71 23 00-2490 EA Electro-Magnetic Door Release, Wall Mount, Recessed 120 Volt AC, 24 Volt AC/DC, 12 Volt DC 378.95	56.97	
08 71 23 00-2491 EA Electro-Magnetic Door Release, Wall Mount, Recessed, Adjustable 120 Volt AC, 24 Volt AC/DC, 12 Volt DC 417.35	56.97	
08 71 23 00-2492 EA Electro-Magnetic Door Release, Wall Mount, Surface Or Recessed, High Hold 24 Volt AC/DC 644.06	56.97	
08 71 23 00-2493 EA Electro-Magnetic Door Release, Sliding Door 24 Volt DC 623.84	56.97	
08 71 23 00-2494 EA Electro-Magnetic Door Release, Overhead Door 120 Volt AC, 24 Volt AC/DC, 12 Volt DC 623.84	56.97	
08 71 23 00-2495 EA Electro-Magnetic Door Release, Floor Mount, Single Door 120 Volt AC, 24 Volt AC/DC, 12 Volt DC 574.40	56.97	
08 71 23 00-2496 EA Electro-Magnetic Door Release, Floor Mount, Back-to-Back Door 120 Volt AC, 24 Volt AC/DC, 12 Volt DC 699.41	56.97	
08 71 23 00-2497 EA Photo Electric Smoke Detector Suitable For Door Holder Release 680.18	56.97	
08 71 23 00-2498 EA Ionization Type Smoke Detector Suitable For Door Holder Release 820.82	56.97	
08 71 33 Weatherstripping And Seals (08 71)		
08 71 33 00-0001 Weather-Stripping And Seals (08 71 33)		
08 71 33 00-0002 Astragals (08 71 33 00-0001) Note: Astragal and meeting stile seals are used to seal the gap between a pair of doors.		
08 71 33 00-0003 Adhesive Backed Astragals (08 71 33 00-0002)		
08 71 33 00-0004 LF 7/16" Width, 9/32" Height, Edge Mount, Single Fin, Adhesive Backed Flexible Astragal (Pemko S771) 3.60	0.67	
08 71 33 00-0005 LF 1/2" Width, 3/16" Height, Edge Mount, Double Fin, Adhesive Backed Flexible Astragal (Pemko S772) 4.00	0.67	
08 71 33 00-0006 LF 1-1/8" Width, 3/16" Height, Mullion Mount, Adhesive Backed Mullion Gasketing (Pemko 5110) 3.09	0.67	
08 71 33 00-0007 Overlapping Astragals (08 71 33 00-0002)		
08 71 33 00-0008 Aluminum, Overlapping Astragals (08 71 33 00-0007)		
08 71 33 00-0009 LF 2" Width, 1/8" Height, Clear Anodized Aluminum, Overlapping Astragal (Pemko 357C) 14.64 <i>For Color Anodized Finish, Add</i> 1.98	4.07	
08 71 33 00-0010 Stainless Steel, Overlapping Astragals (08 71 33 00-0007)		
08 71 33 00-0011 LF 2" Width, 1/8" Height, Stainless Steel, Overlapping Astragal (Pemko 357SS) 28.72	4.07	
08 71 33 00-0012 "T" Astragals (08 71 33 00-0002)		



Openings	08	08
Hardware	08 70	
Door Hardware	08 71	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 33 00-0013 Aluminum, "T" Astragals (08 71 33 00-0012)		
08 71 33 00-0014 LF 1" Width, 11/16" Height, Mill Aluminum, "T" Astragal (Pemko 359A).....	9.82	4.07
<i>For Color Anodized Finish, Add</i>	0.62	
08 71 33 00-0015 LF Vinyl Insert, 3/4" Width, 1/4" Height, Mill Aluminum, "T" Astragal (Pemko 356AV).....	12.13	4.07
<i>For Color Anodized Finish, Add</i>	0.82	
08 71 33 00-0016 LF Vinyl Or Pile Insert, 1-3/8" Width, 1/4" Height, Clear Anodized Aluminum, "T" Astragal (Pemko 355CP)	12.50	4.07
<i>For Color Anodized Finish, Add</i>	1.56	
<i>For Silicone Insert, Add</i>	0.63	
08 71 33 00-0017 LF Neoprene Sponge Insert, 1-1/8" Width, 1/2" Height, Clear Anodized Aluminum, "T" Astragal (Pemko 352CR)	22.41	4.07
<i>For Color Anodized Finish, Add</i>	5.03	
08 71 33 00-0018 Brass/Bronze, "T" Astragals (08 71 33 00-0012)		
08 71 33 00-0019 LF Vinyl Or Pile Insert, 1-3/8" Width, 1/4" Height, Brass/Bronze, "T" Astragal (Pemko 355BP).....	50.54	4.07
<i>For Silicone Insert, Add</i>	0.63	
08 71 33 00-0020 Locking Astragals (08 71 33 00-0002)		
08 71 33 00-0021 Outswing Locking Astragals (08 71 33 00-0020)		
Note: Includes two units. A housing containing the locking bolt which fastens to the inactive leaf and a "T" astragal with a seal that fastens to the active leaf.		
08 71 33 00-0022 Aluminum, Outswing Locking Astragals (08 71 33 00-0021)		
08 71 33 00-0023 LF Slide Bolt, 1-1/4" Width, 3/8" Height, Clear Anodized Aluminum, Slimline Style, Outswing Locking Astragal (Pemko 3443CS)	29.71	4.07
Note: Includes pile seal at inner door edge and neoprene bottom seal.		
<i>For Color Anodized Finish, Add</i>	4.33	
08 71 33 00-0024 LF Locking Springbolt, 1-1/4" Width, 3/8" Height, Clear Anodized Aluminum, Slimline Style, Outswing Locking Astragal (Pemko 3444CS).....	34.36	4.07
Note: Includes pile seal at inner door edge and neoprene bottom seal.		
<i>For Color Anodized Finish, Add</i>	5.26	
08 71 33 00-0025 LF Slide Bolt, 1-13/32" Width, 11/16" Height, Gold Anodized Aluminum, Colonial Style, Outswing Locking Astragal (Pemko 3445BDQ)	33.24	4.07
Note: Includes pile seal at inner door edge and kerf-in foam bottom seal.		
<i>For Thermal Break, Add</i>	1.51	
08 71 33 00-0026 LF Locking Springbolt, 1-13/32" Width, 11/16" Height, Gold Anodized Aluminum, Colonial Style, Outswing Locking Astragal (Pemko 3446BDGQ)	37.01	4.07
Note: Includes pile seal at inner door edge and kerf-in foam bottom seal.		
<i>For Thermal Break, Add</i>	1.74	
08 71 33 00-0027 Inswing Locking Astragals (08 71 33 00-0020)		
Note: Includes one unit containing the locking bolt and astragal with seal, which fastens to the inactive leaf.		
08 71 33 00-0028 Wood, Inswing Locking Astragals (08 71 33 00-0027)		
08 71 33 00-0029 LF Flush Bolt, 1-1/4" Width, 1/2" Height, Wood, Inswing Locking Astragal (Pemko 34832)	34.65	4.07
08 71 33 00-0030 LF Flush Bolt, 1-1/4" Width, 1-3/16" Height, Wood, Inswing Locking Astragal (Pemko 3481Q)	34.48	4.07
Note: Includes kerf-in foam seal.		
08 71 33 00-0031 Aluminum, Inswing Locking Astragals (08 71 33 00-0027)		
08 71 33 00-0032 LF Slide Bolt, 1-3/8" Width, 9/32" Height, Clear Anodized Aluminum, Slimline Style, Inswing Locking Astragal (Pemko 3493CV)	19.98	4.07
Note: Includes pile seal at inner door edge and neoprene bottom seal.		
<i>For Silicone Insert, Add</i>	0.63	
<i>For Color Anodized Finish, Add</i>	2.39	
08 71 33 00-0033 LF Locking Springbolt, 1-3/8" Width, 9/32" Height, Clear Anodized Aluminum, Slimline Style, Inswing Locking Astragal (Pemko 3494CV).....	23.86	4.07
Note: Includes pile seal at inner door edge and neoprene bottom seal.		
<i>For Silicone Insert, Add</i>	0.63	
<i>For Color Anodized Finish, Add</i>	3.16	
08 71 33 00-0034 LF Slide Bolt, 1-13/32" Width, 3/4" Height, Clear Anodized Aluminum, Colonial Style, Inswing Locking Astragal (Pemko 3495CQ).....	21.45	4.07
Note: Includes pile seal at inner door edge and kerf-in foam bottom seal.		
<i>For Magnetic Kerf-In Insert, Add</i>	0.47	
<i>For Color Anodized Finish, Add</i>	2.68	
08 71 33 00-0035 LF Locking Springbolt, 1-13/32" Width, 3/4" Height, Clear Anodized Aluminum, Colonial Style, Inswing Locking Astragal (Pemko 3496CQ).....	25.29	4.07
Note: Includes pile seal at inner door edge and kerf-in foam bottom seal.		
<i>For Magnetic Kerf-In Insert, Add</i>	0.47	
<i>For Color Anodized Finish, Add</i>	3.45	
08 71 33 00-0036 Security Astragals (08 71 33 00-0002)		
08 71 33 00-0037 LF Vinyl Seal, 1/2" Thick Cam, 1-3/4" Width, Clear Anodized Aluminum, Security Astragal (Pemko 378C).....	18.68	4.07
<i>For Color Anodized Finish, Add</i>	10.64	
08 71 33 00-0038 LF 2-1/4" Width, 10 Gauge Galvanized Steel, Offset Security Bar, Security Astragal (Pemko 3572SP)	30.91	4.07
08 71 33 00-0039 Meeting Stile Astragals (08 71 33 00-0002)		
08 71 33 00-0040 One Piece, Meeting Stile Astragals (08 71 33 00-0039)		
Note: Includes an astragal for one door only.		

08 Openings**08 70 Hardware**

08 71 Door Hardware



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 33 00-0041	LF		1/4" Vinyl Or Pile Insert, 5/32" Width, 13/32" Height, Surface/Mortise Mount, Clear Anodized Aluminum, One Piece, Meeting Stile Astragal (Pemko 369AP).....	12.00	4.07
			<i>For Color Anodized Finish, Add</i>	1.19	
08 71 33 00-0042	LF		1/4" Neoprene Loop Insert, 7/16" Width, 3/4" Height, Surface/Mortise Mount, Mill Aluminum, One Piece, Meeting Stile Astragal (Pemko 313AN).....	18.68	6.05
			<i>For Color Anodized Finish, Add</i>	2.64	
08 71 33 00-0043	LF		9/16" Neoprene Loop Insert, 3/4" Width, 1-3/8" Height, Surface/Mortise Mount, Clear Anodized Aluminum, One Piece, Meeting Stile Astragal (Pemko 314CN).....	24.42	6.05
			<i>For Color Anodized Finish, Add</i>	1.23	
08 71 33 00-0044	LF		15/16" Neoprene Loop Insert, 1-1/8" Width, 1-3/4" Height, Surface/Mortise Mount, Clear Anodized Aluminum, One Piece, Meeting Stile Astragal (Pemko 358CN).....	25.16	6.05
			<i>For Color Anodized Finish, Add</i>	3.27	
08 71 33 00-0045	LF		1/8" Width, 1-1/2" Height, Side Mount, Spring Bronze, One Piece, Meeting Stile Astragal (Pemko B71).....	31.25	6.05
08 71 33 00-0046			Two Piece, Meeting Stile Split Astragals (08 71 33 00-0039)		
			Note: Includes one astragal for each door.		
08 71 33 00-0047	LF		1/4" Vinyl Insert, 13/16" Width, 1/4" Height, Face Mount, Mill Aluminum, Two Piece, Meeting Stile Split Astragals (Pemko 297AV).....	15.12	6.05
			<i>For Silicone Insert, Add</i>	0.95	
			<i>For Color Anodized Finish, Add</i>	3.04	
08 71 33 00-0048	LF		1/4" Vinyl Insert, 11/16" Width, 1/4" Height, Face Mount, Mill Aluminum, Two Piece, Meeting Stile Split Astragals (Pemko 316AV).....	15.12	6.05
			<i>For Color Anodized Finish, Add</i>	3.04	
08 71 33 00-0049	LF		1/4" Vinyl Insert, 7/8" Width, 1/4" Height, Face Mount, Mill Aluminum, Two Piece, Meeting Stile Split Astragals (Pemko 303AV).....	15.12	6.05
			<i>For Silicone Insert, Add</i>	0.95	
			<i>For Color Anodized Finish, Add</i>	3.04	
08 71 33 00-0050	LF		3/8" Neoprene Insert, 7/8" Width, 3/16" Height, Face Mount, Clear Anodized Aluminum, Two Piece, Meeting Stile Split Astragals (Pemko 305CN).....	23.17	6.05
			<i>For Silicone Insert, Add</i>	0.63	
			<i>For Color Anodized Finish, Add</i>	2.22	
08 71 33 00-0051	LF		3/8" Brush Insert, 3/4" Width, 1/4" Height, Face Mount, Clear Anodized Aluminum, Two Piece, Meeting Stile Split Astragals (Pemko 18041CNB).....	19.21	6.05
			<i>For Color Anodized Finish, Add</i>	2.85	
08 71 33 00-0052	LF		5/8" Brush Insert, 3/4" Width, 1/4" Height, Face Mount, Clear Anodized Aluminum, Two Piece, Meeting Stile Split Astragals (Pemko 18061CNB).....	19.74	6.05
			<i>For Color Anodized Finish, Add</i>	3.06	
08 71 33 00-0053	LF		3/16" Vinyl Or Pile Insert, 3/4" Width, 3/8" Height, Face Mount, Clear Anodized Aluminum, Two Piece, Meeting Stile Split Astragals With Concealed Fasteners (Pemko 29310CV).....	23.70	6.05
			<i>For Color Anodized Finish, Add</i>	5.81	
			<i>For Silicone Insert, Add</i>	0.95	
08 71 33 00-0054	LF		3/8" Brush Insert, 7/8" Width, 1/4" Height, Face Mount, Clear Anodized Aluminum, Two Piece, Meeting Stile Split Astragals With Concealed Fasteners (Pemko 29324CNB).....	24.22	6.05
			<i>For Color Anodized Finish, Add</i>	4.86	
08 71 33 00-0055	LF		5/8" Brush Insert, 7/8" Width, 1/4" Height, Face Mount, Clear Anodized Aluminum, Two Piece, Meeting Stile Split Astragals With Concealed Fasteners (Pemko 29326CNB).....	24.75	6.05
			<i>For Color Anodized Finish, Add</i>	5.07	
08 71 33 00-0056			Two Piece, Adjustable Meeting Stile Split Astragals (08 71 33 00-0039)		
			Note: Includes one astragal for each door.		
08 71 33 00-0057			Aluminum, Two Piece, Meeting Stile Adjustable Split Astragals (08 71 33 00-0056)		
08 71 33 00-0058	LF		3/8" Vinyl Or Pile Insert, 21/32" Width, 9/16" Height, Face Mount, Clear Anodized Aluminum, Two Piece, Meeting Stile Adjustable Split Astragals (Pemko 354CP).....	43.50	6.05
			<i>For Color Anodized Finish, Add</i>	7.86	
			<i>For Silicone Insert, Add</i>	0.63	
08 71 33 00-0059	LF		3/8" Vinyl Or Pile Insert, 1" Width, 9/16" Height, Face Mount, Clear Anodized Aluminum, Two Piece, Meeting Stile Adjustable Split Astragals (Pemko 351CP).....	44.33	6.05
			<i>For Silicone Insert, Add</i>	0.63	
			<i>For Color Anodized Finish, Add</i>	6.45	
08 71 33 00-0060			Brass/Bronze, Two Piece, Meeting Stile Adjustable Split Astragals (08 71 33 00-0056)		
08 71 33 00-0061	LF		3/8" Vinyl Or Pile Insert, 21/32" Width, 9/16" Height, Mortise Mount, Brass/Bronze, Two Piece, Meeting Stile Adjustable Split Astragals (Pemko 354BP).....	156.04	6.05
			<i>For Silicone Insert, Add</i>	0.63	
08 71 33 00-0062	LF		3/8" Vinyl Or Pile Insert, 1" Width, 9/16" Height, Face Mount, Brass/Bronze, Two Piece, Meeting Stile Adjustable Split Astragals (Pemko 351BP).....	145.97	6.05
			<i>For Silicone Insert, Add</i>	0.63	
08 71 33 00-0063			Door Sweeps (08 71 33 00-0001)		
08 71 33 00-0064			Tack On Door Sweeps (08 71 33 00-0063)		
08 71 33 00-0065	LF		For Sealing Up To 3/4" Gap, Side Mount, Vinyl Tack On Door Sweep (Pemko V365).....	5.44	2.26
08 71 33 00-0066	LF		For Sealing Up To 5/8" Gap, Bottom Mount, Rubber Tack On Door Sweep (Pemko R364).....	5.52	2.26
08 71 33 00-0067	LF		For Sealing Up To 1-3/8" Gap, Bottom Mount, Vinyl Tack On Door Sweep (Pemko P361V).....	5.75	2.26
08 71 33 00-0068			Aluminum Retainer Door Sweeps (08 71 33 00-0063)		



Openings	08	08
Hardware	08 70	
Door Hardware	08 71	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 33 00-0069 35 Degree, Aluminum Retainer Door Sweeps <small>(08 71 33 00-0068)</small> Note: The retainer mounts to the door face with the sweep positioned 35 degrees from the door. Includes clear anodized finish.		
08 71 33 00-0070 LF 5/16" Brush Insert, 35 Degree, Aluminum Retainer Door Sweep (Pemko 35041CNB)	12.87	4.51
For Color Anodized Finish, Add	1.53	
08 71 33 00-0071 LF 1/2" Brush Insert, 35 Degree, Aluminum Retainer Door Sweep (Pemko 35061CNB)	13.26	4.51
For Color Anodized Finish, Add	1.48	
08 71 33 00-0072 45 Degree, Aluminum Retainer Door Sweeps <small>(08 71 33 00-0068)</small> Note: The retainer mounts to the door face with the sweep positioned 45 degrees from the door. Includes clear anodized finish.		
08 71 33 00-0073 LF 1-3/4" Brush Insert, 45 Degree, Aluminum Retainer Door Sweep (Pemko 45175CNB)	19.60	4.51
For Color Anodized Finish, Add	4.22	
08 71 33 00-0074 LF 2-1/2" Brush Insert, 45 Degree, Aluminum Retainer Door Sweep (Pemko 45250CNB)	21.18	4.51
For Color Anodized Finish, Add	4.86	
08 71 33 00-0075 LF 4" Brush Insert, 45 Degree, Aluminum Retainer Door Sweep (Pemko 45400CNB)	24.62	4.51
For Color Anodized Finish, Add	6.23	
08 71 33 00-0076 90 Degree, Aluminum Retainer Door Sweeps <small>(08 71 33 00-0068)</small> Note: The retainer mounts to the door bottom with the sweep positioned perpendicular to the threshold. Includes clear anodized finish.		
08 71 33 00-0077 LF 3/8" Brush Insert, 90 Degree, Aluminum Retainer Door Sweep (Pemko 90041CNB)	14.19	4.51
For Color Anodized Finish, Add	0.52	
08 71 33 00-0078 LF 5/8" Brush Insert, 90 Degree, Aluminum Retainer Door Sweep (Pemko 90062CNB)	14.06	4.51
For Color Anodized Finish, Add	0.50	
08 71 33 00-0079 LF 1" Brush Insert, 90 Degree, Aluminum Retainer Door Sweep (Pemko 90100CNB)	14.98	4.51
For Color Anodized Finish, Add	2.08	
08 71 33 00-0080 LF 1-3/8" Brush Insert, 90 Degree, Aluminum Retainer Door Sweep (Pemko 90137CNB)	15.38	4.51
For Color Anodized Finish, Add	2.54	
08 71 33 00-0081 LF 7/16" Neoprene Insert, 90 Degree, Aluminum Retainer Door Sweep (Pemko 315CN).....	13.79	4.51
For Color Anodized Finish, Add	1.19	
08 71 33 00-0082 LF 11/16" Neoprene Insert, 90 Degree, Aluminum Retainer Door Sweep (Pemko 368CN).....	17.49	4.51
For Color Anodized Finish, Add	1.69	
08 71 33 00-0083 LF 15/16" Neoprene Insert, 90 Degree, Aluminum Retainer Door Sweep (Pemko 321CN).....	14.58	4.51
For Color Anodized Finish, Add	1.11	
08 71 33 00-0084 LF 9/16" Vinyl Insert, 90 Degree, Aluminum Retainer Door Sweep (Pemko 308AV).....	11.12	4.51
Note: Includes mill finish.		
For Color Anodized Finish, Add	1.04	
08 71 33 00-0085 LF 1" Vinyl Insert, 90 Degree, Aluminum Retainer Door Sweep (Pemko 307AV).....	11.22	4.51
Note: Includes mill finish.		
For Color Anodized Finish, Add	1.09	
08 71 33 00-0086 LF 1-9/16" Vinyl Insert, 90 Degree, Aluminum Retainer Door Sweep (Pemko 56AV).....	12.34	4.51
Note: Includes mill finish.		
For Color Anodized Finish, Add	1.16	
08 71 33 00-0087 180 Degree, Aluminum Retainer Door Sweeps <small>(08 71 33 00-0068)</small> Note: The retainer mounts to the door face with the sweep positioned perpendicular to the threshold. Includes clear anodized finish.		
08 71 33 00-0088 180 Degree, Aluminum Retainer Door Sweeps <small>(08 71 33 00-0087)</small>		
08 71 33 00-0089 LF 3/8" Brush Insert, 180 Degree, Aluminum Retainer Door Sweep (Pemko 18041CNB)	12.60	4.51
For Color Anodized Finish, Add	1.42	
08 71 33 00-0090 LF 5/8" Brush Insert, 180 Degree, Aluminum Retainer Door Sweep (Pemko 18061CNB)	12.87	4.51
For Color Anodized Finish, Add	1.53	
08 71 33 00-0091 LF 1" Brush Insert, 180 Degree, Aluminum Retainer Door Sweep (Pemko 18100CNB)	14.98	4.51
For Color Anodized Finish, Add	2.08	
08 71 33 00-0092 180 Degree, Concealed Fastener, Aluminum Retainer Door Sweeps <small>(08 71 33 00-0087)</small>		
08 71 33 00-0093 LF 3/8" Brush Insert, 180 Degree, Concealed Fastener, Aluminum Retainer Door Sweep (Pemko 29324CNB)	15.11	4.51
For Color Anodized Finish, Add	2.43	
08 71 33 00-0094 LF 5/8" Brush Insert, 180 Degree, Concealed Fastener, Aluminum Retainer Door Sweep (Pemko 29326CNB)	15.38	4.51
For Color Anodized Finish, Add	2.54	
08 71 33 00-0095 LF 1" Brush Insert, 180 Degree, Concealed Fastener, Aluminum Retainer Door Sweep (Pemko 293100CNB)	16.49	4.51
For Color Anodized Finish, Add	2.98	
08 71 33 00-0096 Mortised, Aluminum Retainer Door Sweeps <small>(08 71 33 00-0068)</small> Note: The retainer is mortised into the door bottom with the sweep positioned perpendicular to the threshold. Includes mill finish. Excludes mortising.		
08 71 33 00-0097 LF 1/4" Brush Insert, Mortised, Aluminum Retainer Door Sweep (Pemko 5025ASB).....	11.42	4.51
08 71 33 00-0098 LF 13/32" Brush Insert, Mortised, Aluminum Retainer Door Sweep (Pemko 5041ANB).....	11.42	4.51
08 71 33 00-0099 LF 5/8" Brush Insert, Mortised, Aluminum Retainer Door Sweep (Pemko 5061ANB).....	11.55	4.51
08 71 33 00-0100 Aluminum Retainer Door Sweeps With Rain Drip <small>(08 71 33 00-0063)</small>		
08 71 33 00-0101 90 Degree, Aluminum Retainer Door Sweeps With Rain Drip <small>(08 71 33 00-0100)</small> Note: The retainer mounts to the door bottom with the sweep positioned perpendicular to the threshold. Includes mill finish.		

08 Openings**08 70 Hardware****08 71 Door Hardware**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 33 00-0102	LF		1/4" Vinyl Insert, 90 Degree, Aluminum Retainer Door Sweep (Pemko 3452AV)	11.15	4.51
			<i>For Color Anodized Finish, Add</i>	1.48	
08 71 33 00-0103	LF		1/2" Vinyl Insert, 90 Degree, Aluminum Retainer Door Sweep (Pemko 345AV)	12.87	4.51
			<i>For Color Anodized Finish, Add</i>	1.53	
08 71 33 00-0104	LF		3/8" Brush Insert, 90 Degree, Aluminum Retainer Door Sweeps With Rain Drip (Pemko 3452CNB)	14.16	4.51
			Note: Includes clear anodized finish.		
			<i>For Color Anodized Finish, Add</i>	1.02	
08 71 33 00-0105	LF		7/16" Brush Insert, 90 Degree, Aluminum Retainer Door Sweeps With Rain Drip (Pemko 345ANB)	14.39	4.51
			<i>For Color Anodized Finish, Add</i>	1.07	
08 71 33 00-0106			Brass/Bronze Retainer Door Sweeps (08 71 33 00-0063)		
08 71 33 00-0107			90 Degree, Brass/Bronze Retainer Door Sweeps (08 71 33 00-0106)		
			Note: The retainer mounts to the door bottom with the sweep positioned perpendicular to the threshold.		
08 71 33 00-0108	LF		7/16" Neoprene Insert, 90 Degree, Brass/Bronze Retainer Door Sweep (Pemko 315BN)	16.96	4.51
08 71 33 00-0109			Oak Retainer Door Sweeps (08 71 33 00-0063)		
08 71 33 00-0110			90 Degree, Oak Retainer Door Sweeps (08 71 33 00-0109)		
			Note: The retainer mounts to the door bottom with the sweep positioned perpendicular to the threshold.		
08 71 33 00-0111	LF		9/16" Brush Insert, 90 Degree, Oak Retainer Door Sweep (Pemko 18062WNB)	13.92	4.51
08 71 33 00-0112	LF		15/16" Brush Insert, 90 Degree, Oak Retainer Door Sweep (Pemko 18100WNB)	16.01	4.51
08 71 33 00-0113			Door Shoes And Bottoms (08 71 33 00-0001)		
08 71 33 00-0114			Door Shoes (08 71 33 00-0113)		
08 71 33 00-0115			Aluminum Retainer Door Shoes (08 71 33 00-0114)		
08 71 33 00-0116			Bottom Mount, Aluminum Retainer Door Shoes (08 71 33 00-0115)		
08 71 33 00-0117	LF		Vinyl Insert, 1-3/16" Width, Bottom Mount, Aluminum Retainer Door Shoe (Pemko 234AV)	12.21	4.51
			<i>For Color Anodized Finish, Add</i>	1.27	
			<i>For Thermo-Plastic Elastomer Insert, Add</i>	0.68	
08 71 33 00-0118	LF		Vinyl Insert, 1-3/8" Width, Bottom Mount, Aluminum Retainer Door Shoe (Pemko 209AV)	12.60	4.51
			<i>For Color Anodized Finish, Add</i>	1.42	
08 71 33 00-0119	LF		Notched Vinyl Insert, 1-3/16" Width, Bottom Mount, Aluminum Retainer Door Shoe (Pemko 2343AV)	16.43	4.51
			<i>For Color Anodized Finish, Add</i>	1.48	
08 71 33 00-0120			Side Mount, Aluminum Retainer Door Shoes (08 71 33 00-0115)		
08 71 33 00-0121	LF		Vinyl Insert, 1-3/4" Width, Side Mount, Aluminum Retainers Door Shoe (Pemko 318AV)	13.92	4.51
			<i>For Color Anodized Finish, Add</i>	1.95	
			<i>For Thermo-Plastic Elastomer Insert, Add</i>	0.68	
08 71 33 00-0122			L Or U Shaped, Aluminum Retainer Door Shoes (08 71 33 00-0115)		
08 71 33 00-0123	LF		Vinyl Insert, 1-1/4" Width, L-Shaped, Aluminum Retainer Door Shoe (Pemko 211AV)	12.87	4.51
			<i>For Color Anodized Finish, Add</i>	1.92	
			<i>For Thermo-Plastic Elastomer Insert, Add</i>	0.42	
08 71 33 00-0124	LF		Vinyl Insert, 1-3/8" Width, U-Shaped, Aluminum Retainer Door Shoe (Pemko 220AV)	13.66	4.51
			<i>For Color Anodized Finish, Add</i>	1.85	
			<i>For Thermo-Plastic Elastomer Insert, Add</i>	0.42	
08 71 33 00-0125	LF		Vinyl Insert, 1-3/4" Width, U-Shaped, Aluminum Retainer Door Shoe (Pemko 217AV)	13.92	4.51
			<i>For Color Anodized Finish, Add</i>	1.95	
			<i>For Thermo-Plastic Elastomer Insert, Add</i>	0.42	
08 71 33 00-0126	LF		Notched Vinyl Insert, 1-5/16" Width, L-Shaped, Aluminum Retainer Door Shoe (Pemko 2113AV)	19.29	4.51
			<i>For Color Anodized Finish, Add</i>	2.05	
08 71 33 00-0127	LF		Notched Vinyl Insert, 1-3/4" Width, U-Shaped, Aluminum Retainer Door Shoe (Pemko 2173AV)	19.56	4.51
			<i>For Color Anodized Finish, Add</i>	2.10	
08 71 33 00-0128			L Or U Shaped With Rain Drip, Aluminum Retainer Door Shoes (08 71 33 00-0115)		
08 71 33 00-0129	LF		Vinyl Insert, 1-1/4" Width, L-Shaped With Rain Drip, Aluminum Retainer Door Shoe (Pemko 210AV)	13.13	4.51
			<i>For Color Anodized Finish, Add</i>	2.05	
			<i>For Thermo-Plastic Elastomer Insert, Add</i>	0.42	
08 71 33 00-0130	LF		Vinyl Insert, 1-3/8" Width, U-Shaped With Rain Drip, Aluminum Retainer Door Shoe (Pemko 215AV)	13.92	4.51
			<i>For Color Anodized Finish, Add</i>	1.95	
			<i>For Thermo-Plastic Elastomer Insert, Add</i>	0.42	
08 71 33 00-0131	LF		Vinyl Insert, 1-3/4" Width, U-Shaped With Rain Drip, Aluminum Retainer Door Shoe (Pemko 216AV)	14.06	4.51
			<i>For Color Anodized Finish, Add</i>	2.01	
			<i>For Thermo-Plastic Elastomer Insert, Add</i>	0.42	
08 71 33 00-0132			Vinyl Door Shoes (08 71 33 00-0114)		
08 71 33 00-0133	LF		1-3/4" Width, L-Shaped, Vinyl Door Shoe (Pemko V80)	15.71	4.51
08 71 33 00-0134	LF		1-3/4" Width, U-Shaped, Vinyl Door Shoe (Pemko 2170DV)	18.72	4.51
08 71 33 00-0135			Door Bottoms (08 71 33 00-0113)		
08 71 33 00-0136			Automatic Door Bottoms (08 71 33 00-0135)		



Openings	08	08
Hardware	08 70	
Door Hardware	08 71	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 33 00-0137 Aluminum Automatic Door Bottoms <small>(08 71 33 00-0136)</small>		
08 71 33 00-0138 LF Sponge Neoprene Insert, 9/16" Width, 1-7/8" Height, Surface/Mortise Mount, Aluminum Retainer, Automatic Door Bottom (Pemko 4131CRL).....	26.42	4.51
<i>For Color Anodized Finish, Add</i>	3.48	
08 71 33 00-0139 LF Sponge Neoprene Insert, 31/32" Width, 2-1/8" Height, Surface/Mortise Mount, Aluminum Retainer, Automatic Door Bottom (Pemko 4301CRL).....	37.31	4.51
<i>For Color Anodized Finish, Add</i>	5.65	
08 71 33 00-0140 Door Top Protection <small>(08 71 33 00-0001)</small>		
08 71 33 00-0141 LF Aluminum, Door Top Cover For 1-3/8" Wood Doors (Pemko PA343).....	10.12	3.62
<i>For Dark Bronze Or Gold Anodized Aluminum Or Painted White, Add</i>	0.79	
08 71 33 00-0142 LF Aluminum, Door Top Cover For 1-3/4" Wood Doors (Pemko PA344).....	10.12	3.62
<i>For Dark Bronze Or Gold Anodized Aluminum Or Painted White, Add</i>	0.79	
08 71 33 00-0143 LF 2-1/2" Aluminum Overhead Rain Drip With Slotted Holes (Pemko 346C)	11.65	3.62
<i>For Dark Bronze Or Gold Anodized Aluminum Or Painted White, Add</i>	1.21	
08 71 33 00-0144 EA For 20 Oz Copper Drip Cap For Exterior Door.....	94.09	
08 71 33 00-0145 Perimeter Gasketing Weather-Strip <small>(08 71 33 00-0001)</small>		
Note: Perimeter gasketing is used to seal the gap around the top and the two sides of a door assembly.		
08 71 33 00-0146 Adhesive Backed Perimeter Gasketing Weather-Strip <small>(08 71 33 00-0145)</small>		
08 71 33 00-0147 LF 3/8" x 3/16", Silicon Compression Bulb, Adhesive Backed Perimeter Gasketing Weather-Strip (Pemko PK33)	3.19	2.26
<i>For Intumescent Seal, Add</i>	1.50	
08 71 33 00-0148 LF 1/2" x 3/16", Silicon Compression Bulb, Adhesive Backed Perimeter Gasketing Weather-Strip (Pemko PK55)	3.23	2.26
<i>For Intumescent Seal, Add</i>	1.50	
08 71 33 00-0149 LF 1/2" x 1/4", Silicon Compression Bulb, Adhesive Backed Perimeter Gasketing Weather-Strip (Pemko S88).....	3.80	2.26
08 71 33 00-0150 LF 7/16" x 5/16", Silicone Single Fin, Adhesive Backed Perimeter Gasketing Weather-Strip (Pemko S44)	3.48	2.26
08 71 33 00-0151 LF 5/16" x 1/2", Silicone Single Fin, Adhesive Backed Perimeter Gasketing Weather-Strip (Pemko S77)	4.50	2.26
<i>For Intumescent Seal, Add</i>	1.50	
08 71 33 00-0152 LF 1/2" x 3/8", Silicone Triple Fin, Hospitality, Adhesive Backed Perimeter Gasketing Weather-Strip (Pemko S773).....	4.20	2.26
<i>For Intumescent Seal, Add</i>	1.50	
08 71 33 00-0153 LF 7/16" x 5/16", Intumescent And Silicone Single Fin, Adhesive Backed Perimeter Gasketing Weather-Strip (Pemko HSS2000xS44)	5.47	2.26
08 71 33 00-0154 LF 1/2" x 1/4", Intumescent And Silicon Compression Bulb, Adhesive Backed Perimeter Gasketing Weather-Strip (Pemko HSS2000xS88)	5.07	2.26
08 71 33 00-0155 Kerf-In Perimeter Gasketing Weather-Strip <small>(08 71 33 00-0145)</small>		
08 71 33 00-0156 LF 3/8" x 1/4" Silicone Bulb, Kerf-In Perimeter Gasketing Weather-Strip (Pemko P50).....	2.87	2.26
08 71 33 00-0157 LF 7/16" x 3/8" Silicone Bulb, Kerf-In Perimeter Gasketing Weather-Strip (Pemko S52).....	4.17	2.26
08 71 33 00-0158 LF 3/8" Foam, Kerf-In Perimeter Gasketing Weather-Strip (Pemko Q103).....	3.19	2.26
08 71 33 00-0159 LF 5/8" Foam, Kerf-In Perimeter Gasketing Weather-Strip (Pemko Q102).....	3.15	2.26
08 71 33 00-0160 LF 3/8" Magnetic, Kerf-In Perimeter Gasketing Weather-Strip (Pemko MAG349)	4.03	2.26
08 71 33 00-0161 Cushion/Spring Perimeter Gasketing Weather-Strip <small>(08 71 33 00-0145)</small>		
08 71 33 00-0162 Spring Bronze Perimeter Gasketing Weather-Strip <small>(08 71 33 00-0161)</small>		
08 71 33 00-0163 LF 1-1/8" Spring Bronze Perimeter Gasketing Weather-Strip (Pemko B70C).....	7.26	2.26
08 71 33 00-0164 LF 1-1/4" Spring Bronze Perimeter Gasketing Weather-Strip (Pemko B70D).....	7.26	2.26
08 71 33 00-0165 LF 1-3/8" Spring Bronze Perimeter Gasketing Weather-Strip (Pemko B70E).....	7.81	2.26
08 71 33 00-0166 LF 1-1/2" Spring Bronze Perimeter Gasketing Weather-Strip (Pemko B70F).....	7.92	2.26
08 71 33 00-0167 Cushion "V", Spring Bronze Perimeter Gasketing Weather-Strip <small>(08 71 33 00-0161)</small>		
08 71 33 00-0168 LF 5/8" Cushion "V", Spring Bronze Perimeter Gasketing Weather-Strip (Pemko B73)	6.96	2.26
08 71 33 00-0169 LF 7/8" Cushion "V", Spring Bronze Perimeter Gasketing Weather-Strip (Pemko B74)	7.81	2.26
08 71 33 00-0170 LF 1-1/8" Cushion "V", Spring Bronze Perimeter Gasketing Weather-Strip (Pemko B75)	8.73	2.26
08 71 33 00-0171 Aluminum Retainer, Perimeter Gasketing Weather-Strip <small>(08 71 33 00-0145)</small>		
08 71 33 00-0172 Aluminum Retainer, Perimeter Gasketing Weather-Strip <small>(08 71 33 00-0171)</small>		
08 71 33 00-0173 LF 1/4" Vinyl Insert, 13/16" Width, 1/4" Height, Mill Aluminum Retainer, Perimeter Gasketing Weather-Strip (Pemko 297AV)	6.03	2.26
<i>For Silicone Insert, Add</i>	0.95	
<i>For Color Anodized Finish, Add</i>	1.52	
08 71 33 00-0174 LF 1/4" Vinyl Insert, 11/16" Width, 1/4" Height, Mill Aluminum Retainer, Perimeter Gasketing Weather-Strip (Pemko 316AV)	6.03	2.26
<i>For Silicone Insert, Add</i>	0.95	
<i>For Color Anodized Finish, Add</i>	1.52	
08 71 33 00-0175 LF 1/4" Vinyl Insert, 7/8" Width, 1/4" Height, Mill Aluminum Retainer, Perimeter Gasketing Weather-Strip (Pemko 303AV)	6.03	2.26
<i>For Silicone Insert, Add</i>	0.95	
<i>For Color Anodized Finish, Add</i>	1.52	
08 71 33 00-0176 LF 3/8" Neoprene Insert, 7/8" Width, 3/16" Height, Clear Anodized Aluminum Retainer, Perimeter Gasketing Weather-Strip (Pemko 305CN).....	10.05	2.26
<i>For Silicone Insert, Add</i>	0.63	
<i>For Color Anodized Finish, Add</i>	1.11	

08 Openings**08 70 Hardware****08 71 Door Hardware**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 33 00-0177 LF 3/16" Vinyl Or Pile Insert, 3/4" Width, 3/8" Height, Clear Anodized Aluminum Retainer, Perimeter Gasketing Weather-Strip With Concealed Fasteners (Pemko 29310CV).....	10.32	2.26
For Color Anodized Finish, Add	2.91	
For Silicone Insert, Add	0.95	
08 71 33 00-0178 LF Neoprene Sponge Insert, 1-5/8" Width, 7/16" Height, Clear Anodized Aluminum Retainer, Perimeter Gasketing Weather-Strip (Pemko 375CR).....	10.32	2.26
For Color Anodized Finish, Add	2.03	
08 71 33 00-0179 Heavy Duty, Aluminum Retainer, Perimeter Gasketing Weather-Strip (08 71 33 00-0171)		
08 71 33 00-0180 Standard Jamb, Heavy Duty, Aluminum Retainer, Perimeter Gasketing Weather-Strip (08 71 33 00-0179)		
08 71 33 00-0181 LF 1/4" Vinyl Insert, 1-1/2" Width, 1/4" Height, Standard Jamb, Heavy Duty, Mill Aluminum Retainer, Perimeter Gasketing Weather-Strip (Pemko 290AV).....	9.86	2.26
For Silicone Insert, Add	0.95	
08 71 33 00-0182 Head Section, Heavy Duty, Aluminum Retainer, Perimeter Gasketing Weather-Strip (08 71 33 00-0179)		
08 71 33 00-0183 LF 1/4" Vinyl Insert, 1-1/2" Width, 1/4" Height, Head Section, Heavy Duty, Mill Aluminum Retainer, Perimeter Gasketing Weather-Strip (Pemko 2891AV).....	10.90	2.26
08 71 33 00-0184 Brass/Bronze Retainer, Perimeter Gasketing Weather-Strip (08 71 33 00-0145)		
08 71 33 00-0185 Brass/Bronze Retainer, Perimeter Gasketing Weather-Strip (08 71 33 00-0184)		
08 71 33 00-0186 LF 3/8" Neoprene Insert, 7/8" Width, 3/16" Height, Brass/Bronze Retainer, Perimeter Gasketing Weather-Strip (Pemko 305BR).....	21.01	2.26
For Silicone Insert, Add	1.58	
08 71 33 00-0187 LF Neoprene Sponge Insert, 1-5/8" Width, 7/16" Height, Brass/Bronze Retainer, Perimeter Gasketing Weather-Strip (Pemko 375BR).....	35.79	2.26
08 71 33 00-0188 Heavy Duty, Brass/Bronze Retainer, Perimeter Gasketing Weather-Strip (08 71 33 00-0184)		
08 71 33 00-0189 Standard Jamb, Heavy Duty, Brass/Bronze Retainer, Perimeter Gasketing Weather-Strip (08 71 33 00-0188)		
08 71 33 00-0190 LF 1/4" Vinyl Insert, 1-1/2" Width, 1/4" Height, Standard Jamb, Heavy Duty, Brass/Bronze Retainer, Perimeter Gasketing Weather-Strip (Pemko 290BV).....	30.88	2.26
For Silicone Insert, Add	0.63	
08 71 33 00-0191 Aluminum Interlock, Perimeter Gasketing Weather-Strip (08 71 33 00-0145)		
08 71 33 00-0192 LF Side Mount, Mill Aluminum, Interlock Perimeter Gasketing Weather-Strip (Pemko 335AR, 336A).....	14.51	4.51
Note: For weather-stripping latch or hinge side of door. Includes aluminum interlocking devices for door and door frame.		
For Color Anodized Finish, Add	2.19	
08 71 33 00-0193 LF Top Mount, Mill Aluminum, Interlock Perimeter Gasketing Weather-Strip (Pemko 347A, 68AR).....	14.97	4.51
Note: For weather-stripping the top of doors. Includes rain drip shield and aluminum interlocking devices for door and door frame.		
For Color Anodized Finish, Add	2.37	
08 71 33 00-0194 Adjustable Aluminum Retainer, Perimeter Gasketing Weather-Strip (08 71 33 00- 0145)		
Note: Seals gaps from 1/16" to 1/4".		
08 71 33 00-0195 LF Sponge Neoprene Insert, 7/8" Width, 1-3/8" Height, Adjustable, Clear Anodized Aluminum Retainer, Stop Gasketing Weather-Strip (Pemko 350CSR).....	17.52	2.26
For Color Anodized Finish, Add	2.60	
08 71 33 00-0196 LF Sponge Neoprene Insert, 7/8" Width, 1-3/8" Height, Adjustable, Clear Anodized Aluminum Retainer, Jamb Gasketing Weather-Strip (Pemko 350CR).....	18.45	2.26
For Color Anodized Finish, Add	2.79	
08 71 43 Thresholds (08 71)		
08 71 43 00-0001 Thresholds (08 71 43)		
Note: Includes material, fasteners, installation, caulk and sealants.		
08 71 43 00-0002 Metal Thresholds (08 71 43 00-0001)		
08 71 43 00-0003 Saddle Thresholds (08 71 43 00-0002)		
08 71 43 00-0004 Aluminum Saddle Thresholds (08 71 43 00-0003)		
Note: Includes mill finish.		
08 71 43 00-0005 3/16" Height, Aluminum Saddle Thresholds (08 71 43 00-0004)		
08 71 43 00-0006 LF 2-1/4" Width, 3/16" Height, Aluminum Saddle Threshold (Pemko 173A).....	23.10	7.23
For Color Anodized Finish, Add	2.01	
08 71 43 00-0007 1/4" Height, Aluminum Saddle Thresholds (08 71 43 00-0004)		



Openings	08	08
Hardware	08 70	
Door Hardware	08 71	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 43 00-0008 LF 3" Width, 1/4" Height, Aluminum Saddle Threshold (Pemko 151A) <i>For Color Anodized Finish, Add</i>	25.34 2.90	7.23
08 71 43 00-0009 LF 4" Width, 1/4" Height, Aluminum Saddle Threshold (Pemko 270A) <i>For Color Anodized Finish, Add</i>	29.72 4.99	9.04
08 71 43 00-0010 LF 5" Width, 1/4" Height, Aluminum Saddle Threshold (Pemko 271A) <i>For Color Anodized Finish, Add</i>	32.24 4.83	9.04
08 71 43 00-0011 LF 6" Width, 1/4" Height, Aluminum Saddle Threshold (Pemko 272A) <i>For Color Anodized Finish, Add</i>	35.26 4.43	9.04
08 71 43 00-0012 LF 7" Width, 1/4" Height, Aluminum Saddle Threshold (Pemko 276A) <i>For Color Anodized Finish, Add</i>	39.75 4.29	9.04
08 71 43 00-0013 LF 8" Width, 1/4" Height, Aluminum Saddle Threshold (Pemko 2748A) <i>For Color Anodized Finish, Add</i>	47.71 5.15	10.85
08 71 43 00-0014 LF 9" Width, 1/4" Height, Aluminum Saddle Threshold (Pemko 2749A) <i>For Color Anodized Finish, Add</i>	50.75 5.91	10.85
08 71 43 00-0015 LF 10" Width, 1/4" Height, Aluminum Saddle Threshold (Pemko 2750A) <i>For Color Anodized Finish, Add</i>	55.59 7.12	10.85
08 71 43 00-0016 5/16" Height, Aluminum Saddle Thresholds (08 71 43 00-0004)		
08 71 43 00-0017 LF 2-1/2" Width, 5/16" Height, Aluminum Saddle Threshold (Pemko 166A) <i>For Color Anodized Finish, Add</i>	24.94 2.40	7.23
08 71 43 00-0018 1/2" Height, Aluminum Saddle Thresholds (08 71 43 00-0004)		
08 71 43 00-0019 LF 3" Width, 1/2" Height, Aluminum Saddle Threshold (Pemko 169A) <i>For Color Anodized Finish, Add</i>	25.08 3.50	7.23
08 71 43 00-0020 LF 4" Width, 1/2" Height, Aluminum Saddle Threshold (Pemko 170A) <i>For Color Anodized Finish, Add</i>	30.77 5.73	9.04
08 71 43 00-0021 LF 5" Width, 1/2" Height, Aluminum Saddle Threshold (Pemko 171A) <i>For Color Anodized Finish, Add</i>	33.35 5.38	9.04
08 71 43 00-0022 LF 6" Width, 1/2" Height, Aluminum Saddle Threshold (Pemko 172A) <i>For Color Anodized Finish, Add</i>	35.53 4.53	9.04
08 71 43 00-0023 LF 7" Width, 1/2" Height, Aluminum Saddle Threshold (Pemko 176A) <i>For Color Anodized Finish, Add</i>	39.75 4.29	9.04
08 71 43 00-0024 LF 8" Width, 1/2" Height, Aluminum Saddle Threshold (Pemko 2548A) <i>For Color Anodized Finish, Add</i>	49.30 7.76	10.85
08 71 43 00-0025 LF 9" Width, 1/2" Height, Aluminum Saddle Threshold (Pemko 2549A) <i>For Color Anodized Finish, Add</i>	52.07 9.98	10.85
08 71 43 00-0026 LF 10" Width, 1/2" Height, Aluminum Saddle Threshold (Pemko 2550A) <i>For Color Anodized Finish, Add</i>	54.84 11.09	10.85
08 71 43 00-0027 Brass/Bronze Saddle Thresholds (08 71 43 00-0003)		
08 71 43 00-0028 3/16" Height, Brass/Bronze Saddle Thresholds (08 71 43 00-0027)		
08 71 43 00-0029 LF 2-1/4" Width, 3/16" Height, Brass/Bronze Saddle Threshold (Pemko 173B)	62.96	7.23
08 71 43 00-0030 1/4" Height, Brass/Bronze Saddle Thresholds (08 71 43 00-0027)		
08 71 43 00-0031 LF 3" Width, 1/4" Height, Brass/Bronze Saddle Threshold (Pemko 151B)	97.28	7.23
08 71 43 00-0032 LF 4" Width, 1/4" Height, Brass/Bronze Saddle Threshold (Pemko 270B)	117.63	9.04
08 71 43 00-0033 LF 5" Width, 1/4" Height, Brass/Bronze Saddle Threshold (Pemko 271B)	141.39	9.04
08 71 43 00-0034 LF 6" Width, 1/4" Height, Brass/Bronze Saddle Threshold (Pemko 272B)	164.49	9.04
08 71 43 00-0035 LF 7" Width, 1/4" Height, Brass/Bronze Saddle Threshold (Pemko 276B)	190.89	9.04
08 71 43 00-0036 LF 8" Width, 1/4" Height, Brass/Bronze Saddle Threshold (Pemko 274X4B)	244.92	10.85
08 71 43 00-0037 1/2" Height, Brass/Bronze Saddle Thresholds (08 71 43 00-0027)		
08 71 43 00-0038 LF 4" Width, 1/2" Height, Brass/Bronze Saddle Threshold (Pemko 170B)	128.19	9.04
08 71 43 00-0039 LF 5" Width, 1/2" Height, Brass/Bronze Saddle Threshold (Pemko 171B)	154.59	9.04
08 71 43 00-0040 LF 6" Width, 1/2" Height, Brass/Bronze Saddle Threshold (Pemko 172B)	180.99	9.04
08 71 43 00-0041 LF 7" Width, 1/2" Height, Brass/Bronze Saddle Threshold (Pemko 176B)	213.99	9.04
08 71 43 00-0042 LF 8" Width, 1/2" Height, Brass/Bronze Saddle Threshold (Pemko 254X4B)	303.22	10.85
08 71 43 00-0043 LF 10" Width, 1/2" Height, Brass/Bronze Saddle Threshold (Pemko 255X5B)	288.08	10.85
08 71 43 00-0044 Stainless Steel Saddle Thresholds (08 71 43 00-0003)		
08 71 43 00-0045 1/2" Height, Stainless Steel Saddle Thresholds (08 71 43 00-0044)		
08 71 43 00-0046 LF 4" Width, 1/2" Height, Stainless Steel Saddle Threshold (Pemko 175SS)	108.39	9.04
08 71 43 00-0047 LF 5" Width, 1/2" Height, Stainless Steel Saddle Threshold (Pemko 154SS)	114.99	9.04
08 71 43 00-0048 Half Saddle Thresholds (08 71 43 00-0002)		
08 71 43 00-0049 Aluminum Half Saddle Thresholds (08 71 43 00-0048) Note: Includes mill finish.		
08 71 43 00-0050 3/4" Height, Aluminum Half Saddle Thresholds (08 71 43 00-0049)		
08 71 43 00-0051 LF 5" Width, 3/4" Height, Aluminum Half Saddle Threshold (Pemko 1875A) <i>For Color Anodized Finish, Add</i>	35.83 5.30	9.04

08 Openings**08 70 Hardware****08 71 Door Hardware**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 43 00-0052 LF 7" Width, 3/4" Height, Aluminum Half Saddle Threshold (Pemko 1877A)..... <i>For Color Anodized Finish, Add</i>	45.43 2.28	9.04
08 71 43 00-0053 Offset Saddle Thresholds (08 71 43 00-0002)		
08 71 43 00-0054 Aluminum Offset Saddle Thresholds (08 71 43 00-0053) Note: Includes mill finish.		
08 71 43 00-0055 1/2" Height, Aluminum Offset Saddle Thresholds (08 71 43 00-0054)		
08 71 43 00-0056 LF 5-1/2" Width, 1/2" Height, 1/4" Offset, Aluminum Offset Saddle Threshold (Pemko 158A)..... <i>For Color Anodized Finish, Add</i>	35.92 6.67	9.04
08 71 43 00-0057 LF 7" Width, 1/2" Height, 1/4" Offset, Aluminum Offset Saddle Threshold (Pemko 2727A)..... <i>For Color Anodized Finish, Add</i>	39.35 5.87	9.04
08 71 43 00-0058 3/4" Height, Aluminum Offset Saddle Thresholds (08 71 43 00-0054)		
08 71 43 00-0059 LF 5-1/2" Width, 3/4" Height, 1/2" Offset, Aluminum Offset Saddle Threshold (Pemko 157A)..... <i>For Color Anodized Finish, Add</i>	35.92 6.67	9.04
08 71 43 00-0060 1" Height, Aluminum Offset Saddle Thresholds (08 71 43 00-0054)		
08 71 43 00-0061 LF 7" Width, 1" Height, 1/2" Offset, Aluminum Offset Saddle Threshold (Pemko 182A)..... <i>For Color Anodized Finish, Add</i>	40.67 6.33	9.04
08 71 43 00-0062 Modular Ramp Thresholds (08 71 43 00-0001) Note: Includes mill finish.		
08 71 43 00-0063 Flush, Aluminum Modular Ramp Thresholds (08 71 43 00-0062)		
08 71 43 00-0064 LF 6-1/8" Length, 1/2" Height, Flush, Aluminum Modular Ramp Threshold (Pemko R.5FA) <i>For Non-Slip Surfacing, Add</i>	37.21 57.39	9.04
08 71 43 00-0065 LF 9-1/4" Length, 3/4" Height, Flush, Aluminum Modular Ramp Threshold (Pemko R.75FA) <i>For Non-Slip Surfacing, Add</i>	46.08 73.33	9.95
08 71 43 00-0066 LF 12-3/8" Length, 1" Height, Flush, Aluminum Modular Ramp Threshold (Pemko R1FA) <i>For Non-Slip Surfacing, Add</i>	58.22 99.76	11.30
08 71 43 00-0067 LF 15-1/2" Length, 1-1/4" Height, Flush, Aluminum Modular Ramp Threshold (Pemko R1.25FA) <i>For Non-Slip Surfacing, Add</i>	73.31 134.49	11.75
08 71 43 00-0068 LF 18-5/8" Length, 1-1/2" Height, Flush, Aluminum Modular Ramp Threshold (Pemko R1.5FA) <i>For Non-Slip Surfacing, Add</i>	85.05 179.22	12.66
08 71 43 00-0069 LF 21-3/4" Length, 1-3/4" Height, Flush, Aluminum Modular Ramp Threshold (Pemko R1.75FA) <i>For Non-Slip Surfacing, Add</i>	104.91 199.89	14.01
08 71 43 00-0070 LF 24-7/8" Length, 2" Height, Flush, Aluminum Modular Ramp Threshold (Pemko R2FA) <i>For Non-Slip Surfacing, Add</i>	116.93 224.12	15.36
08 71 43 00-0071 LF 28" Length, 2-1/4" Height, Flush, Aluminum Modular Ramp Threshold (Pemko R2.25FA) <i>For Non-Slip Surfacing, Add</i>	124.02 228.70	16.27
08 71 43 00-0072 3-1/2" Top Plate, Offset, Aluminum Modular Ramp Thresholds (08 71 43 00-0062)		
08 71 43 00-0073 LF 12-3/4" Length, 1/2" Height, 3-1/2" Top Plate, Offset, Aluminum Modular Ramp Threshold (Pemko R.5OSSA)..... <i>For Non-Slip Surfacing, Add</i>	61.87 106.06	11.30
08 71 43 00-0074 LF 15-7/8" Length, 3/4" Height, 3-1/2" Top Plate, Offset, Aluminum Modular Ramp Threshold (Pemko R.75OSSA)..... <i>For Non-Slip Surfacing, Add</i>	72.22 131.54	11.75
08 71 43 00-0075 LF 18" Length, 1" Height, 3-1/2" Top Plate, Offset, Aluminum Modular Ramp Threshold (Pemko R1OSSA)..... <i>For Non-Slip Surfacing, Add</i>	90.02 163.54	13.56
08 71 43 00-0076 LF 22-1/8" Length, 1-1/4" Height, 3-1/2" Top Plate, Offset, Aluminum Modular Ramp Threshold (Pemko R1.25OSSA) <i>For Non-Slip Surfacing, Add</i>	105.39 198.80	14.46
08 71 43 00-0077 LF 25-1/4" Length, 1-1/2" Height, 3-1/2" Top Plate, Offset, Aluminum Modular Ramp Threshold (Pemko R1.5OSSA) <i>For Non-Slip Surfacing, Add</i>	120.70 233.92	15.36
08 71 43 00-0078 LF 28-3/8" Length, 1-3/4" Height, 3-1/2" Top Plate, Offset, Aluminum Modular Ramp Threshold (Pemko R1.75OSSA) <i>For Non-Slip Surfacing, Add</i>	131.83 258.15	16.27
08 71 43 00-0079 LF 31-1/2" Length, 2" Height, 3-1/2" Top Plate, Offset, Aluminum Modular Ramp Threshold (Pemko R2OSSA)..... <i>For Non-Slip Surfacing, Add</i>	160.76 328.67	17.18
08 71 43 00-0080 7" Top Plate, Offset, Aluminum Modular Ramp Thresholds (08 71 43 00-0062)		
08 71 43 00-0081 LF 16-1/4" Length, 1/2" Height, 7" Top Plate, Offset, Aluminum Modular Ramp Threshold (Pemko R.5OSA) <i>For Non-Slip Surfacing, Add</i>	71.35 131.43	12.21
08 71 43 00-0082 LF 19-3/8" Length, 3/4" Height, 7" Top Plate, Offset, Aluminum Modular Ramp Threshold (Pemko R.75OSA) <i>For Non-Slip Surfacing, Add</i>	83.50 157.86	13.56
08 71 43 00-0083 LF 22-1/2" Length, 1" Height, 7" Top Plate, Offset, Aluminum Modular Ramp Threshold (Pemko R1OSA) <i>For Non-Slip Surfacing, Add</i>	99.48 190.49	14.46
08 71 43 00-0084 LF 25-5/8" Length, 1-1/4" Height, 7" Top Plate, Offset, Aluminum Modular Ramp Threshold (Pemko R1.25OSA) <i>For Non-Slip Surfacing, Add</i>	111.22 217.32	15.36
08 71 43 00-0085 LF 28-3/4" Length, 1-1/2" Height, 7" Top Plate, Offset, Aluminum Modular Ramp Threshold (Pemko R1.5OSA) <i>For Non-Slip Surfacing, Add</i>	130.16 253.81	16.27
08 71 43 00-0086 LF 31-7/8" Length, 1-3/4" Height, 7" Top Plate, Offset, Aluminum Modular Ramp Threshold (Pemko R1.75OSA) <i>For Non-Slip Surfacing, Add</i>	141.29 278.04	17.18
08 71 43 00-0087 LF 35" Length, 2" Height, 7" Top Plate, Offset, Aluminum Modular Ramp Threshold (Pemko R2OSA) <i>For Non-Slip Surfacing, Add</i>	162.57 316.03	18.08
08 71 43 00-0088 Accessories For Aluminum Modular Ramp Thresholds (08 71 43 00-0062)		



Openings	08	08
Hardware	08 70	
Door Hardware	08 71	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 43 00-0089 Wings/Miter Returns For Flush, Aluminum Modular Ramp Thresholds <small>(08 71 43 00-0089)</small>		
08 71 43 00-0090 PR Up To 1" Height, Wings/Miter Returns For Flush, Aluminum Modular Ramp Thresholds <i>For Non-Slip Surfacing, Add</i>	164.49 17.03	11.30
08 71 43 00-0091 PR >1" To 1-1/4" Height, Wings/Miter Returns For Flush, Aluminum Modular Ramp Thresholds <i>For Non-Slip Surfacing, Add</i>	251.39 27.46	11.30
08 71 43 00-0092 PR >1-1/4" To 2-1/4" Height, Wings/Miter Returns For Flush, Aluminum Modular Ramp Thresholds <i>For Non-Slip Surfacing, Add</i>	495.84 55.70	15.82
08 71 43 00-0093 Wings/Miter Returns For Offset, Aluminum Modular Ramp Thresholds <small>(08 71 43 00-0093)</small>		
08 71 43 00-0094 PR Up To 1/2" Height, Wings/Miter Returns For Offset, Aluminum Modular Ramp Thresholds <i>For Non-Slip Surfacing, Add</i>	164.49 17.03	11.30
08 71 43 00-0095 PR >1/2" To 1" Height, Wings/Miter Returns For Offset, Aluminum Modular Ramp Thresholds <i>For Non-Slip Surfacing, Add</i>	251.39 27.46	11.30
08 71 43 00-0096 PR >1" To 2" Height, Wings/Miter Returns For Offset, Aluminum Modular Ramp Thresholds <i>For Non-Slip Surfacing, Add</i>	495.84 55.70	15.82
08 71 43 00-0097 Latching Panic Exit Saddle Thresholds <small>(08 71 43 00-0097)</small> Note: Includes vinyl or pile seal.		
08 71 43 00-0098 Aluminum, Latching Panic Exit Saddle Thresholds <small>(08 71 43 00-0098)</small> Note: Includes mill finish.		
08 71 43 00-0099 Aluminum, Latching Panic Exit Saddle Thresholds <small>(08 71 43 00-0099)</small>		
08 71 43 00-0100 7/8" Height, Aluminum, Latching Panic Exit Saddle Thresholds <small>(08 71 43 00-0100)</small>		
08 71 43 00-0101 LF 4" Width, 7/8" Height, Aluminum, Latching Panic Exit Saddle Threshold (Pemko 252X226AP) <i>For Color Anodized Finish, Add</i> <i>For Thermoseal, Add</i>	42.79 7.07 0.63	9.04
08 71 43 00-0102 LF 5" Width, 7/8" Height, Aluminum, Latching Panic Exit Saddle Threshold (Pemko 177AP) <i>For Color Anodized Finish, Add</i> <i>For Thermoseal, Add</i>	36.05 6.73 0.63	9.04
08 71 43 00-0103 LF 6" Width, 7/8" Height, Aluminum, Latching Panic Exit Saddle Threshold (Pemko 254X226AP) <i>For Color Anodized Finish, Add</i> <i>For Thermoseal, Add</i>	47.01 8.55 0.63	9.04
08 71 43 00-0104 LF 7" Width, 7/8" Height, Aluminum, Latching Panic Exit Saddle Threshold (Pemko 255X226AP) <i>For Color Anodized Finish, Add</i> <i>For Thermoseal, Add</i>	48.86 9.19 0.63	9.04
08 71 43 00-0105 1" Height, Aluminum, Latching Panic Exit Saddle Thresholds <small>(08 71 43 00-0105)</small>		
08 71 43 00-0106 LF 3-5/8" Width, 1" Height, Aluminum, Latching Panic Exit Saddle Threshold (Pemko 185AP) <i>For Color Anodized Finish, Add</i> <i>For Thermoseal, Add</i>	34.47 5.94 0.63	9.04
08 71 43 00-0107 LF 5" Width, 1" Height, Aluminum, Latching Panic Exit Saddle Threshold (Pemko 181AP) <i>For Color Anodized Finish, Add</i> <i>For Thermoseal, Add</i>	36.32 6.87 0.63	9.04
08 71 43 00-0108 Thermal Barrier, Aluminum, Latching Panic Exit Saddle Thresholds <small>(08 71 43 00-0108)</small>		
08 71 43 00-0109 7/8" Height, Thermal Barrier, Aluminum, Latching Panic Exit Saddle Thresholds <small>(08 71 43 00-0109)</small>		
08 71 43 00-0110 LF 4-1/8" Width, 7/8" Height, Thermal Barrier, Aluminum, Latching Panic Exit Saddle Threshold (Pemko 252X226AFGP) <i>For Color Anodized Finish, Add</i> <i>For Thermoseal, Add</i>	38.30 6.28 0.63	9.04
08 71 43 00-0111 LF 5-1/8" Width, 7/8" Height, Thermal Barrier, Aluminum, Latching Panic Exit Saddle Threshold (Pemko 253X226AFGP) <i>For Color Anodized Finish, Add</i> <i>For Thermoseal, Add</i>	40.01 6.97 0.63	9.04
08 71 43 00-0112 LF 6-1/8" Width, 7/8" Height, Thermal Barrier, Aluminum, Latching Panic Exit Saddle Threshold (Pemko 254X226AFGP) <i>For Color Anodized Finish, Add</i> <i>For Thermoseal, Add</i>	42.52 6.98 0.63	9.04
08 71 43 00-0113 LF 7-1/8" Width, 7/8" Height, Thermal Barrier, Aluminum, Latching Panic Exit Saddle Threshold (Pemko 255X226AFGP) <i>For Color Anodized Finish, Add</i> <i>For Thermoseal, Add</i>	45.36 7.97 0.63	9.04
08 71 43 00-0114 Brass/Bronze, Latching Panic Exit Saddle Thresholds <small>(08 71 43 00-0114)</small>		
08 71 43 00-0115 Brass/Bronze, Latching Panic Exit Saddle Thresholds <small>(08 71 43 00-0115)</small>		
08 71 43 00-0116 7/8" Height, Brass/Bronze, Latching Panic Exit Saddle Thresholds <small>(08 71 43 00-0116)</small>		
08 71 43 00-0117 LF 4" Width, 7/8" Height, Brass/Bronze, Latching Panic Exit Saddle Threshold (Pemko 252X226BV) <i>For Thermoseal, Add</i>	182.31 0.63	9.04
08 71 43 00-0118 LF 5" Width, 7/8" Height, Brass/Bronze, Latching Panic Exit Saddle Threshold (Pemko 177BV) <i>For Thermoseal, Add</i>	169.11 0.63	9.04
08 71 43 00-0119 LF 6" Width, 7/8" Height, Brass/Bronze, Latching Panic Exit Saddle Threshold (Pemko 254X226BV) <i>For Thermoseal, Add</i>	243.03 0.63	9.04

08 Openings**08 70 Hardware****08 71 Door Hardware**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 43 00-0120 LF 7" Width, 7/8" Height, Brass/Bronze, Latching Panic Exit Saddle Threshold (Pemko 255X226BV)..... <i>For Thermoseal, Add</i>	217.42 0.63	9.04
08 71 43 00-0121 1" Height, Brass/Bronze, Latching Panic Exit Saddle Thresholds (08 71 43 00-0115)		
08 71 43 00-0122 LF 5" Width, 1" Height, Brass/Bronze, Latching Panic Exit Saddle Threshold (Pemko 181BV)..... <i>For Thermoseal, Add</i>	179.41 0.63	9.04
08 71 43 00-0123 Thermal Barrier, Brass/Bronze, Latching Panic Exit Saddle Thresholds (08 71 43 00-0114)		
08 71 43 00-0124 7/8" Height, Thermal Barrier, Brass/Bronze, Latching Panic Exit Saddle Thresholds (08 71 43 00-0123)		
08 71 43 00-0125 LF 4-1/8" Width, 7/8" Height, Thermal Barrier, Brass/Bronze, Latching Panic Exit Saddle Threshold (Pemko 252X226BFGV)..... <i>For Thermoseal, Add</i>	185.64 0.63	9.95
08 71 43 00-0126 LF 5-1/8" Width, 7/8" Height, Thermal Barrier, Brass/Bronze, Latching Panic Exit Saddle Threshold (Pemko 253X226BFGV)..... <i>For Thermoseal, Add</i>	194.74 0.63	9.95
08 71 43 00-0127 LF 6-1/8" Width, 7/8" Height, Thermal Barrier, Brass/Bronze, Latching Panic Exit Saddle Threshold (Pemko 254X226BFGV)..... <i>For Thermoseal, Add</i>	243.98 0.63	9.95
08 71 43 00-0128 LF 7-1/8" Width, 7/8" Height, Thermal Barrier, Brass/Bronze, Latching Panic Exit Saddle Threshold (Pemko 255X226BFGV)..... <i>For Thermoseal, Add</i>	222.15 0.63	10.40
08 71 43 00-0129 Carpet Separator Thresholds (08 71 43 00-0001)		
08 71 43 00-0130 Aluminum, Carpet Separator Thresholds (08 71 43 00-0129) Note: Includes mill finish.		
08 71 43 00-0131 3/8" Height, Aluminum, Carpet Separator Thresholds (08 71 43 00-0130)		
08 71 43 00-0132 LF 2-1/2" Width, 3/8" Height, Aluminum, Carpet Separator Threshold (Pemko 174C)..... <i>For Color Anodized Finish, Add</i>	26.13 3.22	7.23
08 71 43 00-0133 7/16" Height, Aluminum, Carpet Separator Thresholds (08 71 43 00-0130)		
08 71 43 00-0134 LF 1-3/4" Width, 7/16" Height, Aluminum, Carpet Separator Threshold (Pemko 236A)..... <i>For Color Anodized Finish, Add</i>	21.36 1.94	6.33
08 71 43 00-0135 LF 4" Width, 7/16" Height, Aluminum, Carpet Separator Threshold (Pemko 2364A)..... <i>For Color Anodized Finish, Add</i>	32.49 3.96	7.23
08 71 43 00-0136 LF 6" Width, 7/16" Height, Aluminum, Carpet Separator Threshold (Pemko 2366A)..... <i>For Color Anodized Finish, Add</i>	38.03 6.18	7.23
08 71 43 00-0137 1/2" Height, Aluminum, Carpet Separator Thresholds (08 71 43 00-0130)		
08 71 43 00-0138 LF 1-3/8" Width, 1/2" Height, Aluminum, Carpet Separator Threshold (Pemko 1951A)..... <i>For Color Anodized Finish, Add</i>	19.65 0.96	6.33
08 71 43 00-0139 3/4" Height, Aluminum, Carpet Separator Thresholds (08 71 43 00-0130)		
08 71 43 00-0140 LF 1-3/4" Width, 3/4" Height, Aluminum, Carpet Separator Threshold (Pemko 246A)..... <i>For Color Anodized Finish, Add</i>	21.36 1.66	6.33
08 71 43 00-0141 LF 3" Width, 3/4" Height, Aluminum, Carpet Separator Threshold (Pemko 230A)..... <i>For Color Anodized Finish, Add</i>	32.89 4.12	9.04
08 71 43 00-0142 LF 4" Width, 3/4" Height, Aluminum, Carpet Separator Threshold (Pemko 2464A)..... <i>For Color Anodized Finish, Add</i>	34.47 3.56	9.04
08 71 43 00-0143 Brass/Bronze, Carpet Separator Thresholds (08 71 43 00-0129)		
08 71 43 00-0144 3/8" Height, Brass/Bronze, Carpet Separator Thresholds (08 71 43 00-0143)		
08 71 43 00-0145 LF 2-1/2" Width, 3/8" Height, Brass/Bronze, Carpet Separator Threshold (Pemko 174B).....	98.73	7.23
08 71 43 00-0146 7/16" Height, Brass/Bronze, Carpet Separator Thresholds (08 71 43 00-0143)		
08 71 43 00-0147 LF 1-3/4" Width, 7/16" Height, Brass/Bronze, Carpet Separator Threshold (Pemko 236B).....	130.16	6.33
08 71 43 00-0148 LF 4" Width, 7/16" Height, Brass/Bronze, Carpet Separator Threshold (Pemko 2364B).....	118.29	9.04
08 71 43 00-0149 Vinyl Transition Thresholds (08 71 43 00-0001) Note: Serves as a transition where carpet meets carpet, tile, VCT or concrete beneath a door.		
08 71 43 00-0150 Carpet To Carpet, Vinyl Transition Thresholds (08 71 43 00-0149) Note: Serves as a transition where carpet meets carpet beneath a door.		
08 71 43 00-0151 LF 2-3/4" Width, 23/32" Height, Carpet To Carpet, Vinyl Transition Threshold (Pemko V232BL).....	30.97	7.23
08 71 43 00-0152 Carpet To Tile, Vinyl Transition Thresholds (08 71 43 00-0149) Note: Serves as a transition where carpet meets tile beneath a door.		
08 71 43 00-0153 LF 2-3/4" Width, 23/32" Height, Carpet To Tile, Vinyl Transition Threshold (Pemko V2325BL).....	30.97	7.23



Openings	08	08
Hardware	08 70	
Door Hardware	08 71	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 43 00-0154 Carpet To Concrete, Vinyl Transition Thresholds <small>(08 71 43 00-0149)</small> Note: Serves as a transition where carpet meets concrete beneath a door.		
08 71 43 00-0155 LF 3-1/2" Width, 23/32" Height, Carpet To Concrete, Vinyl Transition Threshold (Pemko V2320BL).....	33.56	9.04
08 71 43 00-0156 Carpet To VCT Tile, Vinyl Transition Thresholds <small>(08 71 43 00-0149)</small> Note: Serves as a transition where carpet meets VCT Tile beneath a door.		
08 71 43 00-0157 LF 3-7/16" Width, 23/32" Height, Carpet To VCT Tile, Vinyl Transition Threshold (Pemko V2322BL)	35.70	9.04
08 71 43 00-0158 Residential Thresholds <small>(08 71 43 00-0001)</small>		
08 71 43 00-0159 Wood Residential Thresholds <small>(08 71 43 00-0158)</small>		
08 71 43 00-0160 LF 1-1/4" Width, 1/4" Height, Oak Residential Threshold (Pemko 2219W).....	13.72	4.51
08 71 43 00-0161 LF 1-3/4" Width, 5/16" Height, Oak Residential Threshold (Pemko 2175W).....	14.16	4.51
08 71 43 00-0162 LF 3" Width, 3/8" Height, Oak Residential Threshold (Pemko 2300W).....	18.75	4.81
08 71 43 00-0163 LF 3-1/2" Width, 1/2" Height, Oak Residential Threshold (Pemko 2350W).....	19.08	4.99
08 71 43 00-0164 LF 5" Width, 1/2" Height, Oak Residential Threshold (Pemko 2500W).....	28.24	5.14
08 71 43 00-0165 Vinyl Top, Wood Residential Thresholds <small>(08 71 43 00-0158)</small>		
08 71 43 00-0166 LF 1-5/8" Width, 15/16" Height, Vinyl Top, Wood Residential Threshold (Pemko 208OAK).....	16.14	4.51
08 71 43 00-0167 LF 3-1/2" Width, 1-1/8" Height, Vinyl Top, Wood Residential Threshold (Pemko 203OAK).....	19.48	4.99
08 71 43 00-0168 LF 3-5/8" Width, 1-3/8" Height, Vinyl Top, Wood Residential Threshold (Pemko 204OAK).....	34.92	4.99
08 71 43 00-0169 Vinyl Top, Aluminum Residential Thresholds <small>(08 71 43 00-0158)</small>		
08 71 43 00-0170 LF 1-3/8" Width, 1/2" Height, Vinyl Top, Aluminum Residential Threshold (Pemko 208AV).....	16.18	4.51
<i>For Color Anodized Finish, Add</i>	1.95	
08 71 43 00-0171 LF 3-1/4" Width, 3/4" Height, Vinyl Top, Aluminum Residential Threshold (Pemko 206AV).....	18.82	4.99
<i>For Color Anodized Finish, Add</i>	2.54	
08 71 43 00-0172 LF 3-1/2" Width, 1-1/8" Height, Vinyl Top, Aluminum Residential Threshold (Pemko 207AV).....	19.87	4.99
<i>For Color Anodized Finish, Add</i>	2.96	
08 71 43 00-0173 Interlocking Residential Thresholds <small>(08 71 43 00-0158)</small>		
08 71 43 00-0174 Aluminum Interlocking Residential Thresholds <small>(08 71 43 00-0173)</small>		
08 71 43 00-0175 1/2" Height, Aluminum Interlocking Residential Thresholds <small>(08 71 43 00-0174)</small>		
08 71 43 00-0176 LF 4-1/4" Width, 1/2" Height, Aluminum Interlocking Residential Threshold (Pemko 114A).....	34.36	5.14
<i>For Color Anodized Finish, Add</i>	6.46	
08 71 43 00-0177 5/8" Height, Aluminum Interlocking Residential Thresholds <small>(08 71 43 00-0174)</small>		
08 71 43 00-0178 LF 3" Width, 5/8" Height, Aluminum Interlocking Residential Threshold (Pemko 121A).....	23.25	4.81
<i>For Color Anodized Finish, Add</i>	3.37	
08 71 43 00-0179 LF 3-1/2" Width, 5/8" Height, Aluminum Interlocking Residential Threshold (Pemko 110A).....	21.32	4.99
<i>For Color Anodized Finish, Add</i>	4.42	
08 71 43 00-0180 LF 4-1/4" Width, 5/8" Height, Aluminum Interlocking Residential Threshold (Pemko 115A).....	24.59	5.14
<i>For Color Anodized Finish, Add</i>	3.53	
08 71 43 00-0181 7/8" Height, Aluminum Interlocking Residential Thresholds <small>(08 71 43 00-0174)</small>		
08 71 43 00-0182 LF 4-1/2" Width, 7/8" Height, Aluminum Interlocking Residential Threshold (Pemko 120A).....	26.70	5.14
<i>For Color Anodized Finish, Add</i>	6.93	
08 71 43 00-0183 Brass/Bronze Interlocking Residential Thresholds <small>(08 71 43 00-0173)</small>		
08 71 43 00-0184 1/2" Height, Brass/Bronze Interlocking Residential Thresholds <small>(08 71 43 00-0183)</small>		
08 71 43 00-0185 LF 4-1/4" Width, 1/2" Height, Brass/Bronze Interlocking Residential Threshold (Pemko 114B).....	134.94	5.14
08 71 43 00-0186 5/8" Height, Brass/Bronze Interlocking Residential Thresholds <small>(08 71 43 00-0183)</small>		
08 71 43 00-0187 LF 3-1/2" Width, 5/8" Height, Brass/Bronze Interlocking Residential Threshold (Pemko 110B).....	101.58	4.99
08 71 43 00-0188 7/8" Height, Brass/Bronze Interlocking Residential Thresholds <small>(08 71 43 00-0183)</small>		
08 71 43 00-0189 LF 4-1/2" Width, 7/8" Height, Brass/Bronze Interlocking Residential Threshold (Pemko 120B).....	138.24	5.14
08 71 43 00-0190 LF 5-3/4" Width, 7/8" Height, 3/4" Offset, Brass/Bronze Interlocking Residential Threshold (Pemko 123B).....	197.99	5.28
08 71 43 00-0191 Residential Door Sills <small>(08 71 43 00-0001)</small>		
08 71 43 00-0192 Fixed Aluminum Residential Door Sills <small>(08 71 43 00-0191)</small>		
08 71 43 00-0193 LF 4-9/16" Width, 1-1/4" Height, Fixed Aluminum Residential Door Sill (Pemko 84514A).....	20.36	5.14
<i>For Color Anodized Finish, Add</i>	3.76	

08 Openings**08 70 Hardware****08 71 Door Hardware**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 43 00-0194 LF 5-5/8" Width, 1-1/4" Height, Fixed Aluminum Residential Door Sill (Pemko 85514A) <i>For Color Anodized Finish, Add</i>	21.75 3.42	5.28
08 71 43 00-0195 Adjustable Aluminum Top, Aluminum Residential Door Sills (08 71 43 00-0191)		
08 71 43 00-0196 LF 4-7/8" Width, 1-1/8" To 1-3/8" Height, Adjustable Aluminum Top, Aluminum Residential Door Sill (Pemko 94518A) <i>For Color Anodized Finish, Add</i>	28.43 5.46	5.14
08 71 43 00-0197 LF 5-3/4" Width, 1-1/8" To 1-3/8" Height, Adjustable Aluminum Top, Aluminum Residential Door Sill (Pemko 95518A) <i>For Color Anodized Finish, Add</i>	29.17 5.59	5.28
08 71 43 00-0198 Adjustable Wood Top, Aluminum Residential Door Sills (08 71 43 00-0191)		
08 71 43 00-0199 LF 3-3/4" Width, 1-1/8" To 1-3/8" Height, Adjustable Aluminum Top, Aluminum Residential Door Sill (Pemko 93518AW)..... <i>For Color Anodized Finish, Add</i>	28.70 5.68	4.99
08 71 43 00-0200 LF 4-7/8" Width, 1-1/8" To 1-3/8" Height, Adjustable Aluminum Top, Aluminum Residential Door Sill (Pemko 94518AW)..... <i>For Color Anodized Finish, Add</i>	29.06 4.06	5.14
08 71 43 00-0201 LF 5-3/4" Width, 1-1/8" To 1-3/8" Height, Adjustable Aluminum Top, Aluminum Residential Door Sill (Pemko 95518AW)..... <i>For Color Anodized Finish, Add</i>	30.29 4.28	5.28
08 71 43 00-0202 Extenders For Aluminum Residential Door Sills (08 71 43 00-0191)		
08 71 43 00-0203 LF 3/4" Extender For Aluminum Residential Door Sills (Pemko EXT3/4A) <i>For Color Anodized Finish, Add</i>	12.34 2.31	4.51
08 71 43 00-0204 LF 2" Extender For Aluminum Residential Door Sills (Pemko EXT2A) <i>For Color Anodized Finish, Add</i>	13.40 2.18	4.51
08 71 43 00-0205 LF 3" Extender For Aluminum Residential Door Sills (Pemko EXT3A) <i>For Color Anodized Finish, Add</i>	14.45 1.35	4.51
08 71 43 00-0206 Stone Thresholds (08 71 43 00-0001)		
08 71 43 00-0207 Marble Thresholds (08 71 43 00-0206)		
08 71 43 00-0208 LF 2" Width, 5/8" Height, Plain Marble Threshold	15.85	6.26
08 71 43 00-0209 LF 4" Width, 5/8" Height, Plain Marble Threshold	17.26	6.26
08 71 43 00-0210 LF 6" Width, 5/8" Height, Plain Marble Threshold	19.14	6.26
08 71 43 00-0211 LF 4" Width, 7/8" Height, Plain Marble Threshold	23.39	6.26
08 71 43 00-0212 LF 6" Width, 7/8" Height, Plain Marble Threshold	28.35	6.26
08 71 43 00-0213 Corian Thresholds (08 71 43 00-0206)		
08 71 43 00-0214 LF Up To 5-3/4" Width, Corian Threshold	50.88	7.50
08 71 53 Security Door Hardware (08 71)		
08 71 53 00-0001 Door Exit Alarm Hardware (08 71 53)		
08 71 53 00-0002 EA Door Or Wall Mount Exit Alarm, Audible Alarm, 9 Volt Battery Back-up (Detex EAX-500)	216.20	33.91
08 71 53 00-0003 EA Weatherized Door Or Wall Mount Exit Alarm, Audible Alarm, 9 Volt Battery Back-up (Detex EAX-500W).....	291.18	33.91
08 71 53 00-0004 EA Door Or Wall Mount Exit Alarm, Audible Alarm, 9 Volt Battery Back-up (Detex EAX-300)	248.22	33.91
Note: Door propped alarm for applications where doors may be used for egress or ingress, but may not be held or propped open. Door open times from 1 second to 4 minutes (15 second default) are field selectable.		
08 71 53 00-0005 EA Weatherized Door Or Wall Mount Exit Alarm, Audible Alarm, 9 Volt Battery Back-up (Detex EAX-300W).....	314.54	33.91
Note: Door propped alarm for applications where doors may be used for egress or ingress, but may not be held or propped open. Door open times from 1 second to 4 minutes (15 second default) are field selectable.		
08 71 53 00-0006 EA Wall Mount Exit Alarm, Audible Alarm, AC/DC (Detex EAX-2500)	368.99	45.22
08 71 53 00-0007 EA Surface Mounted Magnetic Switch (Detex MS-1039S or MS-1059S)	67.09	45.22
Note: For use with Detex EAX exit alarms.		
08 75 Window Hardware (08 70)		
08 75 00 00-0001 Window Opener Electric, With 1/2 HP Motor (08 75)		
08 75 00 00-0002 EA Gym Window Electronic Opener	1,308.09	192.61
08 79 Hardware Accessories (08 70)		
08 79 00 00-0001 Pad Locks (08 79)		
08 79 00 00-0002 EA Combination Padlock	16.44	4.52
08 79 00 00-0003 EA Resettable Combination Padlock With Control Key, 4 Digit, 2" Wide Case, 1" Shackle Height	35.41	4.52
08 79 00 00-0004 EA Resettable Combination Padlock, 4 Digit, 2" Wide Case, 1" Shackle Height	32.84	4.52
08 79 00 00-0005 EA Resettable Combination Padlock, 4 Digit, 2" Wide Case, 2-1/4" Shackle Height	36.03	4.52
08 79 00 00-0006 EA Commercial U-Bar Lock	43.39	4.52
08 79 00 00-0007 EA Weather Tough Padlocks Keyed Alike	36.67	4.52
08 79 00 00-0008 EA High Security Padlocks	33.26	4.52
08 79 00 00-0009 EA Standard Key, Medium Security Padlock Keyed Alike	18.31	4.52



Openings	08	08
Hardware	08 70	
Hardware Accessories	08 79	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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08 79 00 00-0010	Key Cabinet <small>(08 79)</small>		
08 79 00 00-0011	Key Cabinets <small>(08 79 00 00-0010)</small>		
08 79 00 00-0012	EA Wall Mounted Key Cabinet, Up To 30 Keys.....	278.86	16.27
08 79 00 00-0013	EA Wall Mounted Key Cabinet, Up To 60 Keys.....	374.79	18.08
08 79 00 00-0014	EA Wall Mounted Key Cabinet, Up To 240 Keys.....	834.50	27.12
08 79 00 00-0015	EA Wall Mounted Key Cabinet, Up To 1,200 Keys.....	2,134.27	36.16
08 79 00 00-0016	EA Drawer Type Key Cabinet, Up To 600 Keys.....	2,270.25	23.95
08 79 00 00-0017	EA Drawer Type Key Cabinet, Up To 2,400 Keys.....	5,110.92	18.08
08 79 00 00-0018	EA Tray Type Key Cabinet, Up To 20 Keys.....	117.56	7.23
08 79 00 00-0019	EA Tray Type Key Cabinet, Up To 50 Keys.....	167.00	9.04
08 79 00 00-0020	Key Boxes Wall Mounted On Any Type Wall, With Anchor <small>(08 79 00 00-0010)</small>		
08 79 00 00-0021	EA Key Box, Metal, 30 Key Hooks, Key Lock Door 3" Deep x 10" Wide x 12" High.....	162.30	13.56
08 79 00 00-0022	EA Key Box, Metal, 60 Key Hooks, Key Lock Door, 3" Deep x 10" Wide x 12" High.....	182.92	13.56
08 79 00 00-0023	EA Relocate Key Box, Metal, 3" Deep x 10" Wide x 12" High, Including Storage And Cleaning.....	46.12	
08 79 00 00-0024	EA Relocate Heavy Duty Key Box, With Combo Lock Door, Including Storage And Cleaning.....	103.99	

08 80 Glazing (08)

Note: Includes neoprene setting blocks and spacers and elastomeric sealants for all glazing tasks. Demolition for all glazing includes removal of glazing (broken or whole), sealant compound and/or astragal, taking down and resetting mullion where necessary.

08 81 Glass Glazing (08 80)

08 81 23 Exterior Glass Glazing (08 81)

08 81 23 13 Factory Installed Glass Glazing (08 81 23)

08 81 23 13-0001 Clear Float Factory Installed Glass (08 81 23 13)

08 81 23 13-0002 Clear Float Factory Installed Glass (08 81 23 13-0001)

Note: Type I, Class I, Quality Q3.

08 81 23 13-0003	SF 1/8" Thick, Clear Float Factory Installed Glass.....	1.80	
	<i>For >50 To 200, Deduct</i>	-0.05	
	<i>For >200 To 400, Deduct</i>	-0.11	
	<i>For >400, Deduct</i>	-0.16	
	<i>For Tinted Glass, Add</i>	0.45	
	<i>For Reflective Coated Glass, Add</i>	0.81	
	<i>For Low-E Coated Glass, Add</i>	0.45	
08 81 23 13-0004	SF 3/16" Thick, Clear Float Factory Installed Glass.....	1.93	
	<i>For >50 To 200, Deduct</i>	-0.06	
	<i>For >200 To 400, Deduct</i>	-0.12	
	<i>For >400, Deduct</i>	-0.17	
	<i>For Tinted Glass, Add</i>	0.48	
	<i>For Reflective Coated Glass, Add</i>	0.87	
	<i>For Low-E Coated Glass, Add</i>	0.48	
08 81 23 13-0005	SF 1/4" Thick, Clear Float Factory Installed Glass.....	2.34	
	<i>For >50 To 200, Deduct</i>	-0.07	
	<i>For >200 To 400, Deduct</i>	-0.14	
	<i>For >400, Deduct</i>	-0.21	
	<i>For Tinted Glass, Add</i>	0.59	
	<i>For Reflective Coated Glass, Add</i>	1.05	
	<i>For Low-E Coated Glass, Add</i>	0.59	
08 81 23 13-0006	SF 5/16" Thick, Clear Float Factory Installed Glass.....	3.89	
	<i>For >50 To 200, Deduct</i>	-0.12	
	<i>For >200 To 400, Deduct</i>	-0.23	
	<i>For >400, Deduct</i>	-0.35	
	<i>For Tinted Glass, Add</i>	0.97	
	<i>For Reflective Coated Glass, Add</i>	1.75	
	<i>For Low-E Coated Glass, Add</i>	0.97	
08 81 23 13-0007	SF 3/8" Thick, Clear Float Factory Installed Glass.....	5.66	
	<i>For >50 To 200, Deduct</i>	-0.17	
	<i>For >200 To 400, Deduct</i>	-0.34	
	<i>For >400, Deduct</i>	-0.51	
	<i>For Tinted Glass, Add</i>	1.42	
	<i>For Reflective Coated Glass, Add</i>	2.55	
	<i>For Low-E Coated Glass, Add</i>	1.42	
08 81 23 13-0008	SF 1/2" Thick, Clear Float Factory Installed Glass.....	6.22	
	<i>For >50 To 200, Deduct</i>	-0.19	
	<i>For >200 To 400, Deduct</i>	-0.37	
	<i>For >400, Deduct</i>	-0.56	
	<i>For Tinted Glass, Add</i>	1.56	
	<i>For Reflective Coated Glass, Add</i>	2.80	
	<i>For Low-E Coated Glass, Add</i>	1.56	
08 81 23 13-0009	SF 5/8" Thick, Clear Float Factory Installed Glass.....	7.44	
	<i>For >50 To 200, Deduct</i>	-0.22	
	<i>For >200 To 400, Deduct</i>	-0.45	
	<i>For >400, Deduct</i>	-0.67	
	<i>For Tinted Glass, Add</i>	1.86	
	<i>For Reflective Coated Glass, Add</i>	3.35	
	<i>For Low-E Coated Glass, Add</i>	1.86	

08 Openings**08 80 Glazing****08 81 Glass Glazing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 81 23 13-0010	SF		3/4" Thick, Clear Float Factory Installed Glass	9.19	
			<i>For >50 To 200, Deduct</i>	-0.28	
			<i>For >200 To 400, Deduct</i>	-0.55	
			<i>For >400, Deduct</i>	-0.83	
			<i>For Tinted Glass, Add</i>	2.30	
			<i>For Reflective Coated Glass, Add</i>	4.14	
			<i>For Low-E Coated Glass, Add</i>	2.30	
08 81 23 13-0011			Heat Treated Factory Installed Glass <small>(08 81 23 13)</small>		
08 81 23 13-0012			Tempered, Clear Float Factory Installed Glass <small>(08 81 23 13-0011)</small>		
			Note: Type I, Class I, Quality Q3.		
08 81 23 13-0013	SF		1/8" Thick, Tempered, Clear Float Factory Installed Glass	2.61	
			<i>For >50 To 200, Deduct</i>	-0.08	
			<i>For >200 To 400, Deduct</i>	-0.16	
			<i>For >400, Deduct</i>	-0.23	
			<i>For Tinted Glass, Add</i>	0.65	
			<i>For Reflective Coated Glass, Add</i>	1.17	
			<i>For Low-E Coated Glass, Add</i>	0.65	
08 81 23 13-0014	SF		3/16" Thick, Tempered, Clear Float Factory Installed Glass	2.79	
			<i>For >50 To 200, Deduct</i>	-0.08	
			<i>For >200 To 400, Deduct</i>	-0.17	
			<i>For >400, Deduct</i>	-0.25	
			<i>For Tinted Glass, Add</i>	0.70	
			<i>For Reflective Coated Glass, Add</i>	1.26	
			<i>For Low-E Coated Glass, Add</i>	0.70	
08 81 23 13-0015	SF		1/4" Thick, Tempered, Clear Float Factory Installed Glass	3.39	
			<i>For >50 To 200, Deduct</i>	-0.10	
			<i>For >200 To 400, Deduct</i>	-0.20	
			<i>For >400, Deduct</i>	-0.31	
			<i>For Tinted Glass, Add</i>	0.85	
			<i>For Reflective Coated Glass, Add</i>	1.53	
			<i>For Low-E Coated Glass, Add</i>	0.85	
08 81 23 13-0016	SF		5/16" Thick, Tempered, Clear Float Factory Installed Glass	5.65	
			<i>For >50 To 200, Deduct</i>	-0.17	
			<i>For >200 To 400, Deduct</i>	-0.34	
			<i>For >400, Deduct</i>	-0.51	
			<i>For Tinted Glass, Add</i>	1.41	
			<i>For Reflective Coated Glass, Add</i>	2.54	
			<i>For Low-E Coated Glass, Add</i>	1.41	
08 81 23 13-0017	SF		3/8" Thick, Tempered, Clear Float Factory Installed Glass	8.21	
			<i>For >50 To 200, Deduct</i>	-0.25	
			<i>For >200 To 400, Deduct</i>	-0.49	
			<i>For >400, Deduct</i>	-0.74	
			<i>For Tinted Glass, Add</i>	2.05	
			<i>For Reflective Coated Glass, Add</i>	3.69	
			<i>For Low-E Coated Glass, Add</i>	2.05	
08 81 23 13-0018	SF		1/2" Thick, Tempered, Clear Float Factory Installed Glass	9.02	
			<i>For >50 To 200, Deduct</i>	-0.27	
			<i>For >200 To 400, Deduct</i>	-0.54	
			<i>For >400, Deduct</i>	-0.81	
			<i>For Tinted Glass, Add</i>	2.26	
			<i>For Reflective Coated Glass, Add</i>	4.06	
			<i>For Low-E Coated Glass, Add</i>	2.26	
08 81 23 13-0019	SF		5/8" Thick, Tempered, Clear Float Factory Installed Glass	10.79	
			<i>For >50 To 200, Deduct</i>	-0.32	
			<i>For >200 To 400, Deduct</i>	-0.65	
			<i>For >400, Deduct</i>	-0.97	
			<i>For Tinted Glass, Add</i>	2.70	
			<i>For Reflective Coated Glass, Add</i>	4.86	
			<i>For Low-E Coated Glass, Add</i>	2.70	
08 81 23 13-0020	SF		3/4" Thick, Tempered, Clear Float Factory Installed Glass	13.33	
			<i>For >50 To 200, Deduct</i>	-0.40	
			<i>For >200 To 400, Deduct</i>	-0.80	
			<i>For >400, Deduct</i>	-1.20	
			<i>For Tinted Glass, Add</i>	3.33	
			<i>For Reflective Coated Glass, Add</i>	6.00	
			<i>For Low-E Coated Glass, Add</i>	3.33	
08 81 23 13-0021			Patterned Factory Installed Glass <small>(08 81 23 13)</small>		
08 81 23 13-0022			Rough Obscure, Factory Installed Glass <small>(08 81 23 13-0021)</small>		
			Note: Class II, Form 3, Finish F1.		
08 81 23 13-0023	SF		1/4" Thick, Rough Obscure, Factory Installed Glass	5.12	
08 81 23 13-0024			Patterned, Figured Factory Installed Glass <small>(08 81 23 13-0021)</small>		
			Note: Kind HS, Type II, Class I, Form 3, Quality Q8, Finish F2, Pattern P4.		
08 81 23 13-0025	SF		1/8" Thick, Patterned, Figured Factory Installed Glass	3.11	
08 81 23 13-0026	SF		7/32" Thick, Patterned, Figured Factory Installed Glass	3.11	
08 81 23 13-0027			Wired Factory Installed Glass <small>(08 81 23 13)</small>		



Openings	08	08
Glazing	08 80	
Glass Glazing	08 81	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 81 23 13-0028 Square Or Diamond Pattern, Wired Factory Installed Glass <small>(08 81 23 13-0027)</small>		
<small>Note: Class I, Form 2, Mesh M1 Or M2, Pattern P2.</small>		
08 81 23 13-0029 SF 1/4" Thick, Square Pattern, Wired Factory Installed Glass	8.05	
08 81 23 13-0030 SF 1/4" Thick, Diamond Pattern, Wired Factory Installed Glass	8.05	
08 81 23 13-0031 Polished, Wired Factory Installed Glass <small>(08 81 23 13-0027)</small>		
08 81 23 13-0032 SF 1/4" Thick, Polished, Wired Factory Installed Glass.....	8.80	
08 81 23 13-0033 Frosted Factory Installed Glass <small>(08 81 23 13)</small>		
08 81 23 13-0034 Frosted Factory Installed Glass <small>(08 81 23 13-0033)</small>		
08 81 23 13-0035 SF 1/8" Thick, Frosted Factory Installed Glass	4.07	
<i>For >50 To 200, Deduct</i>	-0.12	
<i>For >200 To 400, Deduct</i>	-0.24	
<i>For >400, Deduct</i>	-0.37	
08 81 23 13-0036 SF 3/16" Thick, Frosted Factory Installed Glass	5.34	
<i>For >50 To 200, Deduct</i>	-0.16	
<i>For >200 To 400, Deduct</i>	-0.32	
<i>For >400, Deduct</i>	-0.48	
08 81 23 13-0037 SF 1/4" Thick, Frosted Factory Installed Glass	6.75	
<i>For >50 To 200, Deduct</i>	-0.20	
<i>For >200 To 400, Deduct</i>	-0.41	
<i>For >400, Deduct</i>	-0.61	
08 81 23 13-0038 SF 3/8" Thick, Frosted Factory Installed Glass	10.09	
<i>For >50 To 200, Deduct</i>	-0.30	
<i>For >200 To 400, Deduct</i>	-0.61	
<i>For >400, Deduct</i>	-0.91	
08 81 23 13-0039 Fire Rated Factory Installed Glass <small>(08 81 23 13)</small>		
08 81 23 13-0040 Fire Rated Factory Installed Glass <small>(08 81 23 13-0039)</small>		
08 81 23 13-0041 SF 20 Minute, Fire Rated Factory Installed Glass.....	11.05	
08 81 23 13-0042 SF 45 Minute, Fire Rated Factory Installed Glass.....	22.00	
08 81 23 13-0043 SF 60 Minute, Fire Rated Factory Installed Glass.....	34.00	
08 81 23 13-0044 SF 90 Minute, Fire Rated Factory Installed Glass.....	45.00	
08 81 23 13-0045 Laminated Factory Installed Glass <small>(08 81 23 13)</small>		
08 81 23 13-0046 Laminated Glass With PVB Interlayer, Factory Installed Glass <small>(08 81 23 13-0045)</small>		
<small>Note: Type I, Class I, Quality Q3.</small>		
08 81 23 13-0047 SF 1/4" Thick, Laminated Glass With PVB Interlayer, Factory Installed Glass.....	7.17	
<i>For >50 To 200, Deduct</i>	-0.22	
<i>For >200 To 400, Deduct</i>	-0.43	
<i>For >400, Deduct</i>	-0.65	
<i>For Tinted Glass, Add</i>	1.79	
<i>For Reflective Coated Glass, Add</i>	3.23	
<i>For Low-E Coated Glass, Add</i>	1.79	
<i>For One Piece Heat Strengthened Glass, Add</i>	1.43	
<i>For One Piece Fully Tempered Glass, Add</i>	1.43	
08 81 23 13-0048 SF 3/8" Thick, Laminated Glass With PVB Interlayer, Factory Installed Glass.....	8.95	
<i>For >50 To 200, Deduct</i>	-0.27	
<i>For >200 To 400, Deduct</i>	-0.54	
<i>For >400, Deduct</i>	-0.81	
<i>For Tinted Glass, Add</i>	2.24	
<i>For Reflective Coated Glass, Add</i>	4.03	
<i>For Low-E Coated Glass, Add</i>	2.24	
<i>For One Piece Heat Strengthened Glass, Add</i>	1.79	
<i>For One Piece Fully Tempered Glass, Add</i>	1.79	
08 81 23 13-0049 SF 1/2" Thick, Laminated Glass With PVB Interlayer, Factory Installed Glass.....	12.16	
<i>For >50 To 200, Deduct</i>	-0.36	
<i>For >200 To 400, Deduct</i>	-0.73	
<i>For >400, Deduct</i>	-1.09	
<i>For Tinted Glass, Add</i>	3.04	
<i>For Reflective Coated Glass, Add</i>	5.47	
<i>For Low-E Coated Glass, Add</i>	3.04	
<i>For One Piece Heat Strengthened Glass, Add</i>	2.43	
<i>For One Piece Fully Tempered Glass, Add</i>	2.43	
08 81 23 13-0050 Insulated Factory Installed Glass <small>(08 81 23 13)</small>		
08 81 23 13-0051 Insulated, Factory Installed Glass <small>(08 81 23 13-0050)</small>		
<small>Note: Type I, Class I, Quality Q3.</small>		

08 Openings**08 80 Glazing****08 81 Glass Glazing**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
08 81 23 13-0052	SF 1/2" Thick, Insulated Factory Installed Glass Note: Two 1/8" lites with 1/4" air space.	5.19	
	For >50 To 200, Deduct	-0.16	
	For >200 To 400, Deduct	-0.31	
	For >400, Deduct	-0.47	
	For Tinted Glass, Add	1.30	
	For Reflective Coated Glass, Add	2.34	
	For Low-E Coated Glass, Add	1.30	
	For One Piece Heat Strengthened Glass, Add	1.04	
	For One Piece Fully Tempered Glass, Add	1.04	
	For One Piece Obscure Glass, Add	2.21	
	For Argon Gas, Add	1.43	
08 81 23 13-0053	SF 5/8" Thick, Insulated Factory Installed Glass Note: Two 3/16" lites with 1/4" air space.	5.25	
	For >50 To 200, Deduct	-0.16	
	For >200 To 400, Deduct	-0.32	
	For >400, Deduct	-0.47	
	For Tinted Glass, Add	1.31	
	For Reflective Coated Glass, Add	2.36	
	For Low-E Coated Glass, Add	1.31	
	For One Piece Heat Strengthened Glass, Add	1.05	
	For One Piece Fully Tempered Glass, Add	1.05	
	For One Piece Obscure Glass, Add	2.23	
	For Argon Gas, Add	1.44	
08 81 23 13-0054	SF 3/4" Thick, Insulated Factory Installed Glass Note: Two 1/4" lites with 1/4" air space.	5.50	
	For >50 To 200, Deduct	-0.17	
	For >200 To 400, Deduct	-0.33	
	For >400, Deduct	-0.50	
	For Tinted Glass, Add	1.38	
	For Reflective Coated Glass, Add	2.48	
	For Low-E Coated Glass, Add	1.38	
	For One Piece Heat Strengthened Glass, Add	1.10	
	For One Piece Fully Tempered Glass, Add	1.10	
	For One Piece Obscure Glass, Add	2.34	
	For Argon Gas, Add	1.51	
08 81 23 13-0055	SF 1" Thick, Insulated Factory Installed Glass Note: Two 1/4" lites with 1/2" air space.	6.67	
	For >50 To 200, Deduct	-0.20	
	For >200 To 400, Deduct	-0.40	
	For >400, Deduct	-0.60	
	For Tinted Glass, Add	1.67	
	For Reflective Coated Glass, Add	3.00	
	For Low-E Coated Glass, Add	1.67	
	For One Piece Heat Strengthened Glass, Add	1.33	
	For One Piece Fully Tempered Glass, Add	1.33	
	For One Piece Obscure Glass, Add	2.83	
	For Argon Gas, Add	1.83	
08 81 23 23	Field Installed Glass Glazing <small>(08 81 23)</small>		
08 81 23 23-0001	Heat Treated Field Installed Glass <small>(08 81 23 23)</small>		
08 81 23 23-0002	Tempered, Clear Float Field Installed Glass <small>(08 81 23 23-0001)</small> Note: Type I, Class I, Quality Q3.		
08 81 23 23-0003	SF 1/8" Thick, Tempered, Clear Float Field Installed Glass For >50 To 200, Deduct For >200 To 400, Deduct For >400, Deduct For Glass Removal And Preparing Opening For New Glazing, Add For Tinted Glass, Add For Reflective Coated Glass, Add For Low-E Coated Glass, Add	14.02 -0.08 -0.16 -0.23 11.41 0.65 1.17 0.65	
08 81 23 23-0004	SF 3/16" Thick, Tempered, Clear Float Field Installed Glass For >50 To 200, Deduct For >200 To 400, Deduct For >400, Deduct For Glass Removal And Preparing Opening For New Glazing, Add For Tinted Glass, Add For Reflective Coated Glass, Add For Low-E Coated Glass, Add	15.08 -0.08 -0.17 -0.25 12.29 0.70 1.26 0.70	
08 81 23 23-0005	SF 1/4" Thick, Tempered, Clear Float Field Installed Glass For >50 To 200, Deduct For >200 To 400, Deduct For >400, Deduct For Glass Removal And Preparing Opening For New Glazing, Add For Tinted Glass, Add For Reflective Coated Glass, Add For Low-E Coated Glass, Add	16.55 -0.10 -0.20 -0.31 13.16 0.85 1.53 0.85	



Openings	08	
Glazing	08 80	08
Glass Glazing	08 81	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 81 23 23-0006	SF		5/16" Thick, Tempered, Clear Float Field Installed Glass.....	20.57	
			<i>For >50 To 200, Deduct</i>	-0.17	
			<i>For >200 To 400, Deduct</i>	-0.34	
			<i>For >400, Deduct</i>	-0.51	
			<i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	14.92	
			<i>For Tinted Glass, Add</i>	1.41	
			<i>For Reflective Coated Glass, Add</i>	2.54	
			<i>For Low-E Coated Glass, Add</i>	1.41	
08 81 23 23-0007	SF		3/8" Thick, Tempered, Clear Float Field Installed Glass.....	24.89	
			<i>For >50 To 200, Deduct</i>	-0.25	
			<i>For >200 To 400, Deduct</i>	-0.49	
			<i>For >400, Deduct</i>	-0.74	
			<i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	16.68	
			<i>For Tinted Glass, Add</i>	2.05	
			<i>For Reflective Coated Glass, Add</i>	3.69	
			<i>For Low-E Coated Glass, Add</i>	2.05	
08 81 23 23-0008	SF		1/2" Thick, Tempered, Clear Float Field Installed Glass.....	27.45	
			<i>For >50 To 200, Deduct</i>	-0.27	
			<i>For >200 To 400, Deduct</i>	-0.54	
			<i>For >400, Deduct</i>	-0.81	
			<i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	18.43	
			<i>For Tinted Glass, Add</i>	2.26	
			<i>For Reflective Coated Glass, Add</i>	4.06	
			<i>For Low-E Coated Glass, Add</i>	2.26	
08 81 23 23-0009	SF		5/8" Thick, Tempered, Clear Float Field Installed Glass.....	33.61	
			<i>For >50 To 200, Deduct</i>	-0.32	
			<i>For >200 To 400, Deduct</i>	-0.65	
			<i>For >400, Deduct</i>	-0.97	
			<i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	22.82	
			<i>For Tinted Glass, Add</i>	2.70	
			<i>For Reflective Coated Glass, Add</i>	4.86	
			<i>For Low-E Coated Glass, Add</i>	2.70	
08 81 23 23-0010	SF		3/4" Thick, Tempered, Clear Float Field Installed Glass.....	40.53	
			<i>For >50 To 200, Deduct</i>	-0.40	
			<i>For >200 To 400, Deduct</i>	-0.80	
			<i>For >400, Deduct</i>	-1.20	
			<i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	27.20	
			<i>For Tinted Glass, Add</i>	3.33	
			<i>For Reflective Coated Glass, Add</i>	6.00	
			<i>For Low-E Coated Glass, Add</i>	3.33	
08 81 23 23-0011			Clear Float Field Installed Glass (08 81 23 23)		
08 81 23 23-0012			Clear Float Field Installed Glass (08 81 23 23-0011)		
			Note: Type I, Class I, Quality Q3.		
08 81 23 23-0013	SF		1/8" Thick, Clear Float Field Installed Glass.....	13.21	
			<i>For >50 To 200, Deduct</i>	-0.05	
			<i>For >200 To 400, Deduct</i>	-0.11	
			<i>For >400, Deduct</i>	-0.16	
			<i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	11.41	
			<i>For Tinted Glass, Add</i>	0.45	
			<i>For Reflective Coated Glass, Add</i>	0.81	
			<i>For Low-E Coated Glass, Add</i>	0.45	
08 81 23 23-0014	SF		3/16" Thick, Clear Float Field Installed Glass.....	14.22	
			<i>For >50 To 200, Deduct</i>	-0.06	
			<i>For >200 To 400, Deduct</i>	-0.12	
			<i>For >400, Deduct</i>	-0.17	
			<i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	12.29	
			<i>For Tinted Glass, Add</i>	0.48	
			<i>For Reflective Coated Glass, Add</i>	0.87	
			<i>For Low-E Coated Glass, Add</i>	0.48	
08 81 23 23-0015	SF		1/4" Thick, Clear Float Field Installed Glass.....	15.50	
			<i>For >50 To 200, Deduct</i>	-0.07	
			<i>For >200 To 400, Deduct</i>	-0.14	
			<i>For >400, Deduct</i>	-0.21	
			<i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	13.16	
			<i>For Tinted Glass, Add</i>	0.59	
			<i>For Reflective Coated Glass, Add</i>	1.05	
			<i>For Low-E Coated Glass, Add</i>	0.59	
08 81 23 23-0016	SF		5/16" Thick, Clear Float Field Installed Glass.....	18.81	
			<i>For >50 To 200, Deduct</i>	-0.12	
			<i>For >200 To 400, Deduct</i>	-0.23	
			<i>For >400, Deduct</i>	-0.35	
			<i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	14.92	
			<i>For Tinted Glass, Add</i>	0.97	
			<i>For Reflective Coated Glass, Add</i>	1.75	
			<i>For Low-E Coated Glass, Add</i>	0.97	
08 81 23 23-0017	SF		3/8" Thick, Clear Float Field Installed Glass.....	22.34	
			<i>For >50 To 200, Deduct</i>	-0.17	
			<i>For >200 To 400, Deduct</i>	-0.34	
			<i>For >400, Deduct</i>	-0.51	
			<i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	16.68	
			<i>For Tinted Glass, Add</i>	1.42	
			<i>For Reflective Coated Glass, Add</i>	2.55	
			<i>For Low-E Coated Glass, Add</i>	1.42	

08 Openings**08 80 Glazing****08 81 Glass Glazing**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 81 23 23-0018 SF 1/2" Thick, Clear Float Field Installed Glass	24.65	
For >50 To 200, Deduct	-0.19	
For >200 To 400, Deduct	-0.37	
For >400, Deduct	-0.56	
For Glass Removal And Preparing Opening For New Glazing, Add	18.43	
For Tinted Glass, Add	1.56	
For Reflective Coated Glass, Add	2.80	
For Low-E Coated Glass, Add	1.56	
08 81 23 23-0019 SF 5/8" Thick, Clear Float Field Installed Glass	30.26	
For >50 To 200, Deduct	-0.22	
For >200 To 400, Deduct	-0.45	
For >400, Deduct	-0.67	
For Glass Removal And Preparing Opening For New Glazing, Add	22.82	
For Tinted Glass, Add	1.86	
For Reflective Coated Glass, Add	3.35	
For Low-E Coated Glass, Add	1.86	
08 81 23 23-0020 SF 3/4" Thick, Clear Float Field Installed Glass	36.39	
For >50 To 200, Deduct	-0.28	
For >200 To 400, Deduct	-0.55	
For >400, Deduct	-0.83	
For Glass Removal And Preparing Opening For New Glazing, Add	27.20	
For Tinted Glass, Add	2.30	
For Reflective Coated Glass, Add	4.14	
For Low-E Coated Glass, Add	2.30	
08 81 23 23-0021 Patterned Field Installed Glass (08 81 23 23)		
08 81 23 23-0022 Rough Obscure Field Installed Glass (08 81 23 23-0021)		
Note: Class II, Form 3, Finish F1.		
08 81 23 23-0023 SF 1/4" Thick, Rough Obscure Field Installed Glass	18.28	
For Glass Removal And Preparing Opening For New Glazing, Add	13.16	
08 81 23 23-0024 Patterned, Figured Field Installed Glass (08 81 23 23-0021)		
Note: Kind HS, Type II, Class I, Form 3, Quality Q8, Finish F2, Pattern P4.		
08 81 23 23-0025 SF 1/8" Thick, Patterned, Figured Field Installed Glass	14.52	
For Glass Removal And Preparing Opening For New Glazing, Add	11.41	
08 81 23 23-0026 SF 7/32" Thick, Patterned, Figured Field Installed Glass	15.84	
For Glass Removal And Preparing Opening For New Glazing, Add	12.73	
08 81 23 23-0027 Wired Field Installed Glass (08 81 23 23)		
08 81 23 23-0028 Square Or Diamond Pattern, Wired Field Installed Glass (08 81 23 23-0027)		
Note: Class I, Form 2, Mesh M1 Or M2, Pattern P2.		
08 81 23 23-0029 SF 1/4" Thick, Square Pattern, Wired Field Installed Glass	21.21	
For Glass Removal And Preparing Opening For New Glazing, Add	13.16	
08 81 23 23-0030 SF 1/4" Thick, Diamond Pattern, Wired Field Installed Glass	21.21	
For Glass Removal And Preparing Opening For New Glazing, Add	13.16	
08 81 23 23-0031 Polished, Wired Field Installed Glass (08 81 23 23-0027)		
08 81 23 23-0032 SF 1/4" Thick, Polished, Wired Field Installed Glass	21.96	
For Glass Removal And Preparing Opening For New Glazing, Add	13.16	
08 81 23 23-0033 Frosted Field Installed Glass (08 81 23 23)		
08 81 23 23-0034 Frosted Field Installed Glass (08 81 23 23-0033)		
08 81 23 23-0035 SF 1/8" Thick, Frosted Field Installed Glass	15.48	
For >50 To 200, Deduct	-0.12	
For >200 To 400, Deduct	-0.24	
For >400, Deduct	-0.37	
For Glass Removal And Preparing Opening For New Glazing, Add	11.41	
08 81 23 23-0036 SF 3/16" Thick, Frosted Field Installed Glass	17.63	
For >50 To 200, Deduct	-0.16	
For >200 To 400, Deduct	-0.32	
For >400, Deduct	-0.48	
For Glass Removal And Preparing Opening For New Glazing, Add	12.29	
08 81 23 23-0037 SF 1/4" Thick, Frosted Field Installed Glass	19.91	
For >50 To 200, Deduct	-0.20	
For >200 To 400, Deduct	-0.41	
For >400, Deduct	-0.61	
For Glass Removal And Preparing Opening For New Glazing, Add	13.16	
08 81 23 23-0038 SF 3/8" Thick, Frosted Field Installed Glass	26.77	
For >50 To 200, Deduct	-0.30	
For >200 To 400, Deduct	-0.61	
For >400, Deduct	-0.91	
For Glass Removal And Preparing Opening For New Glazing, Add	16.68	
08 81 23 23-0039 Fire Rated Field Installed Glass (08 81 23 23)		
08 81 23 23-0040 Fire Rated Field Installed Glass (08 81 23 23-0039)		



Openings	08	
Glazing	08 80	08
Glass Glazing	08 81	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 81 23 23-0041 SF 20 Minute, Fire Rated Field Installed Glass	24.21	
For Glass Removal And Preparing Opening For New Glazing, Add	13.16	
08 81 23 23-0042 SF 45 Minute, Fire Rated Field Installed Glass	35.16	
For Glass Removal And Preparing Opening For New Glazing, Add	13.16	
08 81 23 23-0043 SF 60 Minute, Fire Rated Field Installed Glass	47.16	
For Glass Removal And Preparing Opening For New Glazing, Add	13.16	
08 81 23 23-0044 SF 90 Minute, Fire Rated Field Installed Glass	58.16	
For Glass Removal And Preparing Opening For New Glazing, Add	13.16	
08 81 23 23-0045 Laminated Field Installed Glass (08 81 23 23)		
08 81 23 23-0046 Laminated Glass With PVB Interlayer, Field Installed Glass (08 81 23 23-0045)		
Note: Type I, Class I, Quality Q3.		
08 81 23 23-0047 SF 1/4" Thick, Laminated Glass With PVB Interlayer, Field Installed Glass	20.33	
For >50 To 200, Deduct	-0.22	
For >200 To 400, Deduct	-0.43	
For >400, Deduct	-0.65	
For Glass Removal And Preparing Opening For New Glazing, Add	13.16	
For Tinted Glass, Add	1.79	
For Reflective Coated Glass, Add	3.23	
For Low-E Coated Glass, Add	1.79	
For One Piece Heat Strengthened Glass, Add	1.43	
For One Piece Fully Tempered Glass, Add	1.43	
08 81 23 23-0048 SF 3/8" Thick, Laminated Glass With PVB Interlayer, Field Installed Glass	25.63	
For >50 To 200, Deduct	-0.27	
For >200 To 400, Deduct	-0.54	
For >400, Deduct	-0.81	
For Glass Removal And Preparing Opening For New Glazing, Add	16.68	
For Tinted Glass, Add	2.24	
For Reflective Coated Glass, Add	4.03	
For Low-E Coated Glass, Add	2.24	
For One Piece Heat Strengthened Glass, Add	1.79	
For One Piece Fully Tempered Glass, Add	1.79	
08 81 23 23-0049 SF 1/2" Thick, Laminated Glass With PVB Interlayer, Field Installed Glass	30.59	
For >50 To 200, Deduct	-0.36	
For >200 To 400, Deduct	-0.73	
For >400, Deduct	-1.09	
For Glass Removal And Preparing Opening For New Glazing, Add	18.43	
For Tinted Glass, Add	3.04	
For Reflective Coated Glass, Add	5.47	
For Low-E Coated Glass, Add	3.04	
For One Piece Heat Strengthened Glass, Add	2.43	
For One Piece Fully Tempered Glass, Add	2.43	
08 81 23 23-0050 SF 9/16" Thick, Laminated Glass With PVB Interlayer, Field Installed Glass	32.56	
For >50 To 200, Deduct	-0.41	
For >200 To 400, Deduct	-0.82	
For >400, Deduct	-1.23	
For Glass Removal And Preparing Opening For New Glazing, Add	18.87	
For Tinted Glass, Add	3.42	
For Reflective Coated Glass, Add	6.16	
For Low-E Coated Glass, Add	3.42	
For One Piece Heat Strengthened Glass, Add	2.74	
For One Piece Fully Tempered Glass, Add	2.74	
08 81 23 23-0051 Insulated Field Installed Glass (08 81 23 23)		
08 81 23 23-0052 Insulated Glass, Field Installed Glass (08 81 23 23-0051)		
Note: Type I, Class I, Quality Q3.		
08 81 23 23-0053 SF 1/2" Thick, Insulated Field Installed Glass	20.54	
Note: Two 1/8" lites with 1/4" air space.		
For >50 To 200, Deduct	-0.16	
For >200 To 400, Deduct	-0.31	
For >400, Deduct	-0.47	
For Glass Removal And Preparing Opening For New Glazing, Add	15.35	
For Tinted Glass, Add	1.30	
For Reflective Coated Glass, Add	2.34	
For Low-E Coated Glass, Add	1.30	
For One Piece Heat Strengthened Glass, Add	1.04	
For One Piece Fully Tempered Glass, Add	1.04	
For One Piece Obscure Glass, Add	2.21	
For Argon Gas, Add	1.43	
08 81 23 23-0054 SF 5/8" Thick, Insulated Field Installed Glass	21.64	
Note: Two 3/16" lites with 1/4" air space.		
For >50 To 200, Deduct	-0.16	
For >200 To 400, Deduct	-0.32	
For >400, Deduct	-0.47	
For Glass Removal And Preparing Opening For New Glazing, Add	16.39	
For Tinted Glass, Add	1.31	
For Reflective Coated Glass, Add	2.36	
For Low-E Coated Glass, Add	1.31	
For One Piece Heat Strengthened Glass, Add	1.05	
For One Piece Fully Tempered Glass, Add	1.05	
For One Piece Obscure Glass, Add	2.23	
For Argon Gas, Add	1.44	

08 Openings**08 80 Glazing****08 81 Glass Glazing**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 81 23 23-0055 SF 3/4" Thick, Insulated Field Installed Glass 23.38 Note: Two 1/4" lites with 1/4" air space. For >50 To 200, Deduct -0.17 For >200 To 400, Deduct -0.33 For >400, Deduct -0.50 For Glass Removal And Preparing Opening For New Glazing, Add 17.88 For Tinted Glass, Add 1.38 For Reflective Coated Glass, Add 2.48 For Low-E Coated Glass, Add 1.38 For One Piece Heat Strengthened Glass, Add 1.10 For One Piece Fully Tempered Glass, Add 1.10 For One Piece Obscure Glass, Add 2.34 For Argon Gas, Add 1.51		
08 81 23 23-0056 SF 1" Thick, Insulated Field Installed Glass 25.10 Note: Two 1/4" lites with 1/2" air space. For >50 To 200, Deduct -0.20 For >200 To 400, Deduct -0.40 For >400, Deduct -0.60 For Glass Removal And Preparing Opening For New Glazing, Add 18.43 For Tinted Glass, Add 1.67 For Reflective Coated Glass, Add 3.00 For Low-E Coated Glass, Add 1.67 For One Piece Heat Strengthened Glass, Add 1.33 For One Piece Fully Tempered Glass, Add 1.33 For One Piece Obscure Glass, Add 2.83 For Argon Gas, Add 1.83		
08 81 23 23-0057 Laminated Insulated Glass, Field Installed Glass (08 81 23 23-0051)		
08 81 23 23-0058 SF 1-5/16" Thick, Laminated Insulating Glass, Field Installed Glass..... 50.81 Note: Insulated glass units consisting of 1/4" thick inner pane, 1/2" air gap, and outer laminated pane of .060" PVB film between two layers 1/4" thick glass. For >50 To 200, Deduct -0.80 For >200 To 400, Deduct -1.60 For >400, Deduct -2.40 For Glass Removal And Preparing Opening For New Glazing, Add 24.13 For Tinted Glass, Add 6.67 For Reflective Coated Glass, Add 12.01 For Low-E Coated Glass, Add 6.67 For Argon Gas, Add 7.34		
08 81 23 23-0059 Spandrel Field Installed Glass (08 81 23 23)		
08 81 23 23-0060 Monolithic Float Glass Panels Ceramic Back, Coated, Field Installed Glass (08 81 23 23-0059)		
08 81 23 23-0061 SF 1/4" - 5/16" Spandrel Glass, Up To 1,000 SF, Field Installed Glass 20.42 For Glass Removal And Preparing Opening For New Glazing, Add 14.62		
08 81 23 23-0062 SF 1/4" - 5/16" Spandrel Glass, >1,000 SF, Field Installed Glass 19.18 For Glass Removal And Preparing Opening For New Glazing, Add 14.62		
08 81 23 23-0063 Insulating Float Glass Panels Ceramic Back, Coated, Tempered, Field Installed Glass (08 81 23 23-0059)		
08 81 23 23-0064 1/4" Glass With 1" Fiberglass Insulation, Field Installed Glass (08 81 23 23-0063) Note: Also with aluminum foil vapor barrier.		
08 81 23 23-0065 SF 1/4" Spandrel Glass With 1" Fiberglass Insulation Up To 20,000 SF, Foil Vapor Barrier, Field Installed Glass..... 21.72 For Glass Removal And Preparing Opening For New Glazing, Add 14.62		
08 81 23 23-0066 SF 1/4" Spandrel Glass With 1" Fiberglass Insulation >20,000 SF, Foil Vapor Barrier, Field Installed Glass 20.31 For Glass Removal And Preparing Opening For New Glazing, Add 14.62		
08 81 23 23-0067 1/4" Glass With 3/4 To 7/8" Insulation, Field Installed Glass (08 81 23 23-0063)		
08 81 23 23-0068 SF 1/4" Spandrel Glass, 3/4" - 7/8" Insulation 24 Gauge Steel Interfacing, Field Installed Glass..... 24.17 For Glass Removal And Preparing Opening For New Glazing, Add 14.62		
08 81 23 23-0069 SF 1/4" Spandrel Glass, 3/4" - 7/8" Insulation 16 Gauge Steel Interfacing, Field Installed Glass..... 21.40 For Glass Removal And Preparing Opening For New Glazing, Add 14.62		
08 83 Mirrors (08 80) Note: Kind FT, Type I, Class I, Quality Q1.		
08 83 13 Mirrored Glass Glazing (08 83)		
08 83 13 00-0001 Mirror Glass (08 83 13)		
08 83 13 00-0002 One-Way Vision Glass (Transparent Mirrors) (08 83 13 00-0001)		
08 83 13 00-0003 SF 1/4" One-Way Vision Glass (Transparent Mirrors) 29.21 For >50 To 200, Deduct -0.49 For >200 To 400, Deduct -0.81 For >400, Deduct -1.30		6.58
08 83 13 00-0004 Tempered, One-Way Vision Glass (Transparent Mirrors) (08 83 13 00-0001)		



Openings	08	08
Glazing	08 80	
Mirrors	08 83	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 83 13 00-0005 SF 1/4" Tempered, One-Way Vision Glass (Transparent Mirrors)	36.65	6.58
For >50 To 200, Deduct	-0.71	
For >200 To 400, Deduct	-1.18	
For >400, Deduct	-1.89	
08 83 13 00-0006 Clear Mirror Glass (08 83 13 00-0001)		
08 83 13 00-0007 SF 1/8" Clear Mirror Glass	14.13	5.26
For >50 To 200, Deduct	-0.11	
For >200 To 400, Deduct	-0.18	
For >400, Deduct	-0.29	
08 83 13 00-0008 SF 3/16" Clear Mirror Glass	16.47	6.14
For >50 To 200, Deduct	-0.13	
For >200 To 400, Deduct	-0.22	
For >400, Deduct	-0.35	
08 83 13 00-0009 SF 1/4" Clear Mirror Glass	17.87	6.58
For >50 To 200, Deduct	-0.15	
For >200 To 400, Deduct	-0.24	
For >400, Deduct	-0.39	
08 83 13 00-0010 Tempered, Clear Mirror Glass (08 83 13 00-0001)		
08 83 13 00-0011 SF 1/8" Tempered, Clear Mirror Glass	18.25	5.26
For >50 To 200, Deduct	-0.23	
For >200 To 400, Deduct	-0.39	
For >400, Deduct	-0.62	
08 83 13 00-0012 SF 3/16" Tempered, Clear Mirror Glass	20.83	6.14
For >50 To 200, Deduct	-0.26	
For >200 To 400, Deduct	-0.44	
For >400, Deduct	-0.70	
08 83 13 00-0013 SF 1/4" Tempered, Clear Mirror Glass	22.73	6.58
For >50 To 200, Deduct	-0.29	
For >200 To 400, Deduct	-0.49	
For >400, Deduct	-0.78	
08 83 13 00-0014 Clear Mirror Glass With Laminated Safety Backing (08 83 13 00-0001)		
08 83 13 00-0015 SF 1/4" Clear Mirror Glass With Laminated Safety Backing	25.20	6.58
For >50 To 200, Deduct	-0.37	
For >200 To 400, Deduct	-0.61	
For >400, Deduct	-0.98	
08 83 13 00-0016 Laminated Safety Mirror Glass (08 83 13 00-0001)		
Note: Clear glass laminated to face of mirror with PVB interlayer.		
08 83 13 00-0017 SF 1/4" Laminated Safety Mirror Glass	44.19	6.58
For >50 To 200, Deduct	-0.94	
For >200 To 400, Deduct	-1.56	
For >400, Deduct	-2.49	
08 83 13 00-0018 Accessories For Mirror Glass (08 83 13)		
08 83 13 00-0019 LF 1/8" Aluminum J-Channel For Mounting Mirror Glass	3.59	
08 83 13 00-0020 LF 3/16" Aluminum J-Channel For Mounting Mirror Glass	3.64	
08 83 13 00-0021 LF 1/4" Aluminum J-Channel For Mounting Mirror Glass	4.29	
08 83 13 00-0022 LF Aluminum Frame For Mounting Mirror Glass	5.20	
08 84 Plastic Glazing (08 80)		
08 84 00 00-0001 Clear Polycarbonate Glazing (GE Lexan) (08 84)		
See CSI section 08 88 53 00-0026 for security rated polycarbonate glazing.		
08 84 00 00-0002 SF 1/8" Thick, Clear Polycarbonate Glazing (GE Lexan)	16.34	
For >50 To 200, Deduct	-0.40	
For >200 To 400, Deduct	-0.81	
For >400, Deduct	-1.21	
For Glass Removal And Preparing Opening For New Glazing, Add	8.28	
08 84 00 00-0003 SF 3/16" Thick, Clear Polycarbonate Glazing (GE Lexan)	17.22	
For >50 To 200, Deduct	-0.43	
For >200 To 400, Deduct	-0.86	
For >400, Deduct	-1.29	
For Glass Removal And Preparing Opening For New Glazing, Add	8.60	
08 84 00 00-0004 SF 1/4" Thick, Clear Polycarbonate Glazing (GE Lexan)	20.64	
For >50 To 200, Deduct	-0.58	
For >200 To 400, Deduct	-1.17	
For >400, Deduct	-1.75	
For Glass Removal And Preparing Opening For New Glazing, Add	8.95	
08 84 00 00-0005 SF 3/8" Thick, Clear Polycarbonate Glazing (GE Lexan)	30.20	
For >50 To 200, Deduct	-1.05	
For >200 To 400, Deduct	-2.10	
For >400, Deduct	-3.15	
For Glass Removal And Preparing Opening For New Glazing, Add	9.20	

08 Openings**08 80 Glazing****08 84 Plastic Glazing**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 84 00 00-0006 SF 1/2" Thick, Clear Polycarbonate Glazing (GE Lexan)	38.41	
For >50 To 200, Deduct	-1.43	
For >200 To 400, Deduct	-2.85	
For >400, Deduct	-4.28	
For Glass Removal And Preparing Opening For New Glazing, Add	9.87	
08 84 00 00-0007 Mar-Resistant, Clear Polycarbonate Glazing (GE Lexan MR10) (08 84)		
08 84 00 00-0008 SF 1/8" Thick, Mar-Resistant, Clear Polycarbonate Glazing (GE Lexan MR10).....	24.84	
For >50 To 200, Deduct	-0.83	
For >200 To 400, Deduct	-1.66	
For >400, Deduct	-2.48	
For Glass Removal And Preparing Opening For New Glazing, Add	8.28	
08 84 00 00-0009 SF 3/16" Thick, Mar-Resistant, Clear Polycarbonate Glazing (GE Lexan MR10).....	28.98	
For >50 To 200, Deduct	-1.02	
For >200 To 400, Deduct	-2.04	
For >400, Deduct	-3.06	
For Glass Removal And Preparing Opening For New Glazing, Add	8.60	
08 84 00 00-0010 SF 1/4" Thick, Mar-Resistant, Clear Polycarbonate Glazing (GE Lexan MR10).....	30.64	
For >50 To 200, Deduct	-1.08	
For >200 To 400, Deduct	-2.17	
For >400, Deduct	-3.25	
For Glass Removal And Preparing Opening For New Glazing, Add	8.95	
08 84 00 00-0011 SF 3/8" Thick, Mar-Resistant, Clear Polycarbonate Glazing (GE Lexan MR10).....	51.09	
For >50 To 200, Deduct	-2.09	
For >200 To 400, Deduct	-4.19	
For >400, Deduct	-6.28	
For Glass Removal And Preparing Opening For New Glazing, Add	9.20	
08 84 00 00-0012 SF 1/2" Thick, Mar-Resistant, Clear Polycarbonate Glazing (GE Lexan MR10).....	54.27	
For >50 To 200, Deduct	-2.22	
For >200 To 400, Deduct	-4.44	
For >400, Deduct	-6.66	
For Glass Removal And Preparing Opening For New Glazing, Add	9.87	
08 84 00 00-0013 Clear Acrylic Glazing (Plexiglas) (08 84)		
08 84 00 00-0014 SF 1/10" Thick, Clear Acrylic Glazing (Plexiglas)	12.02	
For >50 To 200, Deduct	-0.21	
For >200 To 400, Deduct	-0.41	
For >400, Deduct	-0.62	
For Glass Removal And Preparing Opening For New Glazing, Add	7.90	
For Colored, Add	0.82	
For Shatterproof, Add	2.47	
For Mirrored, Add	3.30	
08 84 00 00-0015 SF 1/8" Thick, Clear Acrylic Glazing (Plexiglas)	12.45	
For >50 To 200, Deduct	-0.21	
For >200 To 400, Deduct	-0.42	
For >400, Deduct	-0.63	
For Glass Removal And Preparing Opening For New Glazing, Add	8.28	
For Colored, Add	0.83	
For Shatterproof, Add	2.50	
For Mirrored, Add	3.34	
08 84 00 00-0016 SF 3/16" Thick, Clear Acrylic Glazing (Plexiglas)	15.11	
For >50 To 200, Deduct	-0.33	
For >200 To 400, Deduct	-0.65	
For >400, Deduct	-0.98	
For Glass Removal And Preparing Opening For New Glazing, Add	8.60	
For Colored, Add	1.30	
For Shatterproof, Add	3.91	
For Mirrored, Add	5.21	
08 84 00 00-0017 SF 1/4" Thick, Clear Acrylic Glazing (Plexiglas)	17.53	
For >50 To 200, Deduct	-0.43	
For >200 To 400, Deduct	-0.86	
For >400, Deduct	-1.29	
For Glass Removal And Preparing Opening For New Glazing, Add	8.95	
For Colored, Add	1.72	
For Shatterproof, Add	5.15	
For Mirrored, Add	6.86	
08 84 00 00-0018 SF 5/16" Thick, Clear Acrylic Glazing (Plexiglas)	17.99	
For >50 To 200, Deduct	-0.45	
For >200 To 400, Deduct	-0.90	
For >400, Deduct	-1.35	
For Glass Removal And Preparing Opening For New Glazing, Add	9.00	
For Colored, Add	1.80	
For Shatterproof, Add	5.39	
For Mirrored, Add	7.19	
08 84 00 00-0019 SF 3/8" Thick, Clear Acrylic Glazing (Plexiglas)	18.59	
For >50 To 200, Deduct	-0.47	
For >200 To 400, Deduct	-0.94	
For >400, Deduct	-1.41	
For Glass Removal And Preparing Opening For New Glazing, Add	9.20	
For Colored, Add	1.88	
For Shatterproof, Add	5.63	
For Mirrored, Add	7.51	



Openings	08	08
Glazing	08 80	
Plastic Glazing	08 84	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 84 00 00-0020 SF 1/2" Thick, Clear Acrylic Glazing (Plexiglas)	22.29	
For >50 To 200, Deduct	-0.62	
For >200 To 400, Deduct	-1.24	
For >400, Deduct	-1.86	
For Glass Removal And Preparing Opening For New Glazing, Add	9.87	
For Colored, Add	2.48	
For Shatterproof, Add	7.45	
For Mirrored, Add	9.94	
08 84 00 00-0021 SF 3/4" Thick, Clear Acrylic Glazing (Plexiglas)	31.84	
For >50 To 200, Deduct	-0.97	
For >200 To 400, Deduct	-1.94	
For >400, Deduct	-2.90	
For Glass Removal And Preparing Opening For New Glazing, Add	12.49	
08 84 00 00-0022 SF 1" Thick, Clear Acrylic Glazing (Plexiglas)	43.33	
For >50 To 200, Deduct	-1.49	
For >200 To 400, Deduct	-2.98	
For >400, Deduct	-4.46	
For Glass Removal And Preparing Opening For New Glazing, Add	13.57	

08 85 Glazing Accessories (08 80)

Note: Applicable to reglazing tasks only, new window installations include the gasket.

08 85 00 00-0001 Framing For Glass Windscreens (08 85)

Note: Excludes glazing.

08 85 00 00-0002 LF 1-1/4" x 1-1/2" Aluminum Framed Window Walls	11.33	1.79
For Bronze Anodized Aluminum, Add	0.96	
For Stainless Steel, Add	4.09	
For Black Anodized Finish, Add	1.73	
08 85 00 00-0003 LF 1-1/2" x 2" Aluminum Framed Window Walls	13.52	2.23
For Bronze Anodized Aluminum, Add	1.22	
For Stainless Steel, Add	5.16	
For Black Anodized Finish, Add	2.20	
08 85 00 00-0004 LF 1-1/2" x 3" Aluminum Framed Window Walls	16.01	1.79
For Bronze Anodized Aluminum, Add	1.46	
For Stainless Steel, Add	6.16	
For Black Anodized Finish, Add	2.63	
08 85 00 00-0005 LF 1-1/2" x 4" Aluminum Framed Window Walls	19.69	2.69
For Bronze Anodized Aluminum, Add	1.75	
For Stainless Steel, Add	7.39	
For Black Anodized Finish, Add	3.14	
08 85 00 00-0006 LF 2" x 3" Aluminum Framed Window Walls	19.09	2.23
For Bronze Anodized Aluminum, Add	1.86	
For Stainless Steel, Add	7.76	
For Black Anodized Finish, Add	3.34	
08 85 00 00-0007 LF 2" x 4" Aluminum Framed Window Walls	23.74	2.69
For Bronze Anodized Aluminum, Add	2.22	
For Stainless Steel, Add	9.32	
For Black Anodized Finish, Add	3.99	

08 87 Glazing Surface Films (08 80)

08 87 13 Solar Control Films (08 87)

Note: Applied directly to one side of glazing with adhesive.

08 87 13 00-0001 Window Tinting And Film (08 87 13)

Note: Applied directly to one side of glazing with adhesive. Includes cleaning of window glazing prior to installation.

08 87 13 00-0002 SF Tinted, Solar Control Window Film	5.59
08 87 13 00-0003 SF Obscurant, Solar Control Window Film	5.59
08 87 13 00-0004 SF Tinted, Abrasion Resistant, Solar Control Window Film (3M Scotchtint™)	7.18
08 87 13 00-0005 SF Low E, Abrasion Resistant, Solar Control Window Film (3M Scotchtint™)	7.50

08 87 23 Safety And Security Films (08 87)

08 87 23 16 Security Films (08 87 23)

Note: Applied directly to one side of glazing with adhesive and secured at window frame with clear silicone adhesive.

08 87 23 16-0001 High Performance, Security And Safety Glazing Films (08 87 23 16)

Note: Includes cleaning of window glazing prior to installation.

08 87 23 16-0002 Clear, High Performance, Security And Safety Glazing Films (08 87 23 16-0001)

08 87 23 16-0003 SF 0.002" Clear, High Performance, Security And Safety Glazing Film (3M Scotchshield™ SCLARL150)	11.90
For >1,000 To 5,000, Deduct	-0.56
For >5,000, Deduct	-0.73
08 87 23 16-0004 SF 0.004" Clear, High Performance, Security And Safety Glazing Film (3M Scotchshield™ SCLARL400)	12.49
For >1,000 To 5,000, Deduct	-0.58
For >5,000, Deduct	-0.79
08 87 23 16-0005 SF 0.006" Clear, High Performance, Security And Safety Glazing Film (3M Scotchshield™ Ultra600)	13.32
For >1,000 To 5,000, Deduct	-0.61
For >5,000, Deduct	-0.87

08 Openings**08 80 Glazing****08 87 Glazing Surface Films**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 87 23 16-0006			Tinted, High Performance Sun/Solar, Security And Safety Glazing Films <small>(08 87 23 16-0001)</small>		
08 87 23 16-0007	SF		0.004" Silver, 20% Transmission, High Performance Sun/Solar, Security And Safety Glazing Film (3M Scotchshield™ S20SIAR400)	13.15	
			<i>For >1,000 To 5,000, Deduct</i>	-0.60	
			<i>For >5,000, Deduct</i>	-0.86	
08 87 23 16-0008	SF		0.004" Neutral, 35% Transmission, High Performance Sun/Solar, Security And Safety Glazing Film (3M Scotchshield™ S35NEAR400)	13.15	
			<i>For >1,000 To 5,000, Deduct</i>	-0.60	
			<i>For >5,000, Deduct</i>	-0.86	
08 87 23 16-0009	SF		0.004" Neutral, 50% Transmission, High Performance Sun/Solar, Security And Safety Glazing Film (3M Scotchshield™ S50NEAR400)	13.15	
			<i>For >1,000 To 5,000, Deduct</i>	-0.60	
			<i>For >5,000, Deduct</i>	-0.86	
08 87 23 16-0010			Security And Safety Glazing Films <small>(08 87 23 16)</small>		
			Note: Includes cleaning of window glazing prior to installation.		
08 87 23 16-0011	SF		0.007" Clear Security And Safety Glazing Film (3M Scotchshield™ SH7CLARL)	11.24	
			<i>For >1,000 To 5,000, Deduct</i>	-0.53	
			<i>For >5,000, Deduct</i>	-0.67	
08 87 23 16-0012	SF		0.008" Clear Security And Safety Glazing Film (3M Scotchshield™ SH8CLARL)	11.40	
			<i>For >1,000 To 5,000, Deduct</i>	-0.54	
			<i>For >5,000, Deduct</i>	-0.68	
08 87 23 16-0013	SF		0.014" Clear Security And Safety Glazing Film (3M Scotchshield™ SH14CLARL)	12.89	
			<i>For >1,000 To 5,000, Deduct</i>	-0.59	
			<i>For >5,000, Deduct</i>	-0.83	
08 87 23 16-0014			Anti-Graffiti Glazing Films <small>(08 87 23 16)</small>		
			Note: Includes cleaning of window glazing prior to installation.		
08 87 23 16-0015	SF		0.004" Clear Anti-Graffiti Glazing Film (3M Scotchgard™ AG-4)	11.24	
			<i>For >1,000 To 5,000, Deduct</i>	-0.53	
			<i>For >5,000, Deduct</i>	-0.67	
08 87 23 16-0016	SF		0.007" Clear Anti-Graffiti Glazing Film (3M Scotchgard™ AG-7)	11.40	
			<i>For >1,000 To 5,000, Deduct</i>	-0.54	
			<i>For >5,000, Deduct</i>	-0.68	
08 88			Special Function Glazing <small>(08 88)</small>		
08 88 49			Radiation-Resistant Glazing <small>(08 88)</small>		
08 88 49 00-0001			Leaded Glass (X-Ray Shielding) <small>(08 88 49)</small>		
08 88 49 00-0002	SF		1/4" Thick Lead Glass With 1/16" Lead Equivalence	189.67	
			<i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	16.68	
08 88 49 00-0003	SF		1/4" Thick Lead Glass With 1/8" Lead Equivalence	279.40	
			<i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	16.68	
08 88 53			Security Glazing <small>(08 88)</small>		
08 88 53 00-0001			Forced Entry And/Or Ballistic Resistant All Glass Laminate <small>(08 88 53)</small>		
08 88 53 00-0002			Ballistic Resistant Glass <small>(08 88 53 00-0001)</small>		
08 88 53 00-0003	SF		1.28" All Glass Laminate Ballistic Resistant Glass, Level 1, 16.2 LB/SF, For A Single Piece, Up To 15 SF	79.52	21.94
			<i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	54.41	
08 88 53 00-0004	SF		1.28" All Glass Laminate Ballistic Resistant Glass, Level 1, 16.2 LB/SF, For A Single Piece, >15 SF	88.03	21.94
			<i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	54.41	
08 88 53 00-0005	SF		1.55" All Glass Laminate Ballistic Resistant Glass, Level 2, 21.2 LB/SF, For A Single Piece, Up To 15 SF	99.68	24.57
			<i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	61.43	
08 88 53 00-0006	SF		1.55" All Glass Laminate Ballistic Resistant Glass, Level 2, 21.2 LB/SF, For A Single Piece, >15 SF	106.78	24.57
			<i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	61.43	
08 88 53 00-0007	SF		2.05" All Glass Laminate Ballistic Resistant Glass, Level 3, 26.1 LB/SF, For A Single Piece, Up To 15 SF	121.58	28.08
			<i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	70.20	
08 88 53 00-0008	SF		2.05" All Glass Laminate Ballistic Resistant Glass, Level 3, 26.1 LB/SF, For A Single Piece, >15 SF	127.29	28.08
			<i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	70.20	
08 88 53 00-0009			Forced Entry Resistant Glass <small>(08 88 53 00-0001)</small>		
08 88 53 00-0010	SF		5/16" Forced Entry Resistant Laminated Glass Sheet	28.51	6.58
			<i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	13.71	
08 88 53 00-0011	SF		1/2" Forced Entry Resistant Laminated Glass Sheet	31.92	7.03
			<i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	14.62	
08 88 53 00-0012	SF		11/16" Forced Entry Resistant Laminated Glass Sheet	35.94	7.46
			<i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	15.67	
08 88 53 00-0013	SF		7/8" Forced Entry Resistant Laminated Glass Sheet	40.20	8.34
			<i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	16.88	
08 88 53 00-0014			Glass Clad Polycarbonate <small>(08 88 53)</small>		
08 88 53 00-0015	SF		0.76" Ballistic Resistant Glass/Poly, Level 1, 6.4 LB/SF	109.05	26.33
			<i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	66.70	



Openings	08	08
Glazing	08 80	
Special Function Glazing	08 88	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 88 53 00-0016 SF 0.8125" Ballistic Resistant Glass/Poly, Level 2, 8.99 LB/SF <i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	123.43 77.23	30.89
08 88 53 00-0017 SF 1.18" Ballistic Resistant Glass/Poly, Level 3, 11.5 LB/SF <i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	151.55 87.75	35.11
08 88 53 00-0018 Ballistic Resistant Acrylic (08 88 53)		
08 88 53 00-0019 SF 1.25" Ballistic Resistant Acrylic Glass, Level 1, 7.7 LB/SF <i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	160.20 66.70	26.33
08 88 53 00-0020 SF 1.378" Ballistic Resistant Acrylic Glass, Level 2, 8.5 LB/SF <i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	187.23 77.23	30.72
08 88 53 00-0021 SF 1.25" Ballistic Resistant Acrylic Glass, Level 3, 7.5 LB/SF <i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	241.75 87.75	35.11
08 88 53 00-0022 Ballistic Resistant Fiberglass (08 88 53)		
08 88 53 00-0023 SF 5/16" Ballistic Resistant Fiberglass, Level 1, 3.2 LB/SF <i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	48.96 33.34	16.68
08 88 53 00-0024 SF 3/8" Ballistic Resistant Fiberglass, Level 2, 3.5 LB/SF <i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	57.46 38.62	19.30
08 88 53 00-0025 SF 7/16" Ballistic Resistant Fiberglass, Level 3, 4.5 LB/SF <i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	65.22 43.88	21.94
08 88 53 00-0026 Forced Entry And/Or Ballistic Resistant Polycarbonate (08 88 53)		
08 88 53 00-0027 Forced Entry Resistant Monolithic Polycarbonate (08 88 53 00-0026) Note: GE-Lexan MR10.		
08 88 53 00-0028 SF 1/2" Overall Nominal Thickness, H.P. White TP-0500.01 Note: Level 1 or ASTM F1233, Class II (Step 5). <i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	80.12 53.19	39.84
08 88 53 00-0029 Forced Entry Resistant Glass Clad Polycarbonate Laminate (08 88 53 00-0026) Note: Chemically strengthened clear glass laminated to each side of a polycarbonate core. GE-Insulgard.		
08 88 53 00-0030 SF 9/16" Overall Nominal Thickness, H.P. White TP-0500.01, Level 1 <i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	99.07 65.82	26.32
08 88 53 00-0031 Forced Entry Resistant Polycarbonate Laminate (08 88 53 00-0026) Note: GE-Lexgard MPC-500.		
08 88 53 00-0032 SF 1/2" Overall Nominal Thickness, H.P. White TP-0500.01 Note: Level II (Step 12) Or ASTM 1233 Class III (Step 15). <i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	118.20 70.20	50.54
08 88 53 00-0033 Fire Resistant, Forced Entry Resistant Polycarbonate Laminate (08 88 53 00-0026) Note: Wire glass clad. Chemically strengthened wire glass laminated to each side of a polycarbonate core. GE-Firegard.		
08 88 53 00-0034 SF 7/8" Overall Nominal Thickness, H.P. White TP-0500.01, Level I Note: UL-9 Fire Resistant. <i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	128.76 74.59	31.18
08 88 53 00-0035 Insulated, Forced Entry Resistant Polycarbonate Laminate (08 88 53 00-0026) Note: Glass clad. Chemically strengthened wire glass laminated to each side of a polycarbonate core. GE-Insulgard.		
08 88 53 00-0036 SF 1-5/16" Overall Nominal Thickness, H.P. White TP-0500.01 Note: Level I (1/4" tempered float glass, 1/2" airspace). <i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	110.96 65.82	26.32
08 88 53 00-0037 Ballistic And Forced Entry Resistant Polycarbonate Laminate (08 88 53 00-0026)		
08 88 53 00-0038 SF 1" Nominal Thickness, Ballistic Or Forced Entry Resistant Note: 1" is the overall nominal thickness. (GE-Lexgard MP-1000) forced entry resistance: H.P. White TP-0500.01, level V (step 42) or ASTM 1233 class V (Step 40) ballistic resistance: UL 752, level 2-high powered small arms (.357 Magnum handgun). <i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	253.94 145.68	58.62
08 88 53 00-0039 SF 1-1/4" Nominal Thickness, Ballistic Or Forced Entry Resistant Note: 1 1/4" is the overall nominal thickness. (GE-Lexgard MP-1000) forced entry resistance: H.P. White TP-0500.01, level V (Step 42) or ASTM 1233 class V (step 40) ballistic resistance: UL 752, level 3-super high powered small arms (.44 Magnum handgun). <i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	256.50 145.68	58.62
08 88 53 00-0040 Ballistic Resistant Glass Clad Polycarbonate Laminate (08 88 53 00-0026) Note: Chemically strengthened clear glass laminated to attack side of a polycarbonate core.		
08 88 53 00-0041 SF 1-5/16" Overall Nominal Thickness, Ballistic Resistant Note: UL 752, Level 4 - Super High Powered Rifle (.30-06 Rifle), (GE-Armor-Gard). <i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	169.46 98.29	37.15

08	08	Openings
	08 90	Louvers And Vents
	08 88	Special Function Glazing



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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08 90 Louvers And Vents (08)

08 91 Louvers (08 90)

08 91 13 Motorized Wall Louvers (08 91)

08 91 13 00-0001 Motorized Wall Louver Actuator (08 91 13)

See CSI section 08 91 16 00-0001 for adjustable intake wall louvers.

08 91 13 00-0002	EA	115 Volt Actuator For Adjustable Intake Louver.....	1,138.01	97.87
08 91 13 00-0003	EA	230 Volt Actuator For Adjustable Intake Louver.....	1,676.81	97.87
08 91 13 00-0004	EA	24 Volt Actuator For Adjustable Intake Louver.....	1,214.81	97.87
08 91 13 00-0005	EA	115 Volt Hazardous Location Actuator For Adjustable Intake Louver.....	4,377.41	97.87

08 91 16 Operable Wall Louvers (08 91)

08 91 16 00-0001 Adjustable Intake Wall Louvers (08 91 16)

See CSI section 08 91 16 00-0137 for adjustable intake wall louver operators.

08 91 16 00-0002	EA	12" Wide x 12" High Adjustable Intake Louver, Galvanized Aluminum	298.41	25.90
		Note: Includes bird screen. Excludes actuator.		
		<i>For Flange Frame, Add</i>	24.66	
		<i>For Clear Lacquer Finish, Add</i>	49.32	
		<i>For Baked Enamel Standard Colors, Add</i>	73.98	
		<i>For Anodized Finish, Add</i>	98.64	
		<i>For Kynar™ Standard Colors Finish, Add</i>	135.63	
08 91 16 00-0003	EA	12" Wide x 18" High Adjustable Intake Louver, Galvanized Aluminum	372.32	31.66
		Note: Includes bird screen. Excludes actuator.		
		<i>For Flange Frame, Add</i>	30.90	
		<i>For Clear Lacquer Finish, Add</i>	61.80	
		<i>For Baked Enamel Standard Colors, Add</i>	92.70	
		<i>For Anodized Finish, Add</i>	123.60	
		<i>For Kynar™ Standard Colors Finish, Add</i>	169.95	
08 91 16 00-0004	EA	12" Wide x 24" High Adjustable Intake Louver, Galvanized Aluminum	440.24	37.42
		Note: Includes bird screen. Excludes actuator.		
		<i>For Flange Frame, Add</i>	36.54	
		<i>For Clear Lacquer Finish, Add</i>	73.08	
		<i>For Baked Enamel Standard Colors, Add</i>	109.62	
		<i>For Anodized Finish, Add</i>	146.16	
		<i>For Kynar™ Standard Colors Finish, Add</i>	200.97	
08 91 16 00-0005	EA	12" Wide x 30" High Adjustable Intake Louver, Galvanized Aluminum	514.75	43.18
		Note: Includes bird screen. Excludes actuator.		
		<i>For Flange Frame, Add</i>	42.84	
		<i>For Clear Lacquer Finish, Add</i>	85.68	
		<i>For Baked Enamel Standard Colors, Add</i>	128.52	
		<i>For Anodized Finish, Add</i>	171.36	
		<i>For Kynar™ Standard Colors Finish, Add</i>	235.62	
08 91 16 00-0006	EA	12" Wide x 36" High Adjustable Intake Louver, Galvanized Aluminum	580.27	48.93
		Note: Includes bird screen. Excludes actuator.		
		<i>For Flange Frame, Add</i>	48.24	
		<i>For Clear Lacquer Finish, Add</i>	96.48	
		<i>For Baked Enamel Standard Colors, Add</i>	144.72	
		<i>For Anodized Finish, Add</i>	192.96	
		<i>For Kynar™ Standard Colors Finish, Add</i>	265.32	
08 91 16 00-0007	EA	12" Wide x 42" High Adjustable Intake Louver, Galvanized Aluminum	682.37	54.69
		Note: Includes bird screen. Excludes actuator.		
		<i>For Flange Frame, Add</i>	57.30	
		<i>For Clear Lacquer Finish, Add</i>	114.60	
		<i>For Baked Enamel Standard Colors, Add</i>	171.90	
		<i>For Anodized Finish, Add</i>	229.20	
		<i>For Kynar™ Standard Colors Finish, Add</i>	315.15	
08 91 16 00-0008	EA	12" Wide x 48" High Adjustable Intake Louver, Galvanized Aluminum	776.09	60.45
		Note: Includes bird screen. Excludes actuator.		
		<i>For Flange Frame, Add</i>	65.52	
		<i>For Clear Lacquer Finish, Add</i>	131.04	
		<i>For Baked Enamel Standard Colors, Add</i>	196.56	
		<i>For Anodized Finish, Add</i>	262.08	
		<i>For Kynar™ Standard Colors Finish, Add</i>	360.36	
08 91 16 00-0009	EA	12" Wide x 54" High Adjustable Intake Louver, Galvanized Aluminum	863.56	69.08
		Note: Includes bird screen. Excludes actuator.		
		<i>For Flange Frame, Add</i>	72.54	
		<i>For Clear Lacquer Finish, Add</i>	145.08	
		<i>For Baked Enamel Standard Colors, Add</i>	217.62	
		<i>For Anodized Finish, Add</i>	290.16	
		<i>For Kynar™ Standard Colors Finish, Add</i>	398.97	
08 91 16 00-0010	EA	12" Wide x 60" High Adjustable Intake Louver, Galvanized Aluminum	922.47	74.84
		Note: Includes bird screen. Excludes actuator.		
		<i>For Flange Frame, Add</i>	77.28	
		<i>For Clear Lacquer Finish, Add</i>	154.56	
		<i>For Baked Enamel Standard Colors, Add</i>	231.84	
		<i>For Anodized Finish, Add</i>	309.12	
		<i>For Kynar™ Standard Colors Finish, Add</i>	425.04	



Openings	08
Louvers And Vents	08 90
Louvers	08 91

08

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 16 00-0011	EA		12" Wide x 66" High Adjustable Intake Louver, Galvanized Aluminum.....	995.19	80.59
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	83.40	
			For Clear Lacquer Finish, Add	166.80	
			For Baked Enamel Standard Colors, Add	250.20	
			For Anodized Finish, Add	333.60	
			For Kynar™ Standard Colors Finish, Add	458.70	
08 91 16 00-0012	EA		12" Wide x 72" High Adjustable Intake Louver, Galvanized Aluminum.....	1,059.49	86.35
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	88.68	
			For Clear Lacquer Finish, Add	177.36	
			For Baked Enamel Standard Colors, Add	266.04	
			For Anodized Finish, Add	354.72	
			For Kynar™ Standard Colors Finish, Add	487.74	
08 91 16 00-0013	EA		12" Wide x 78" High Adjustable Intake Louver, Galvanized Aluminum.....	1,140.61	92.11
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	95.64	
			For Clear Lacquer Finish, Add	191.28	
			For Baked Enamel Standard Colors, Add	286.92	
			For Anodized Finish, Add	382.56	
			For Kynar™ Standard Colors Finish, Add	526.02	
08 91 16 00-0014	EA		12" Wide x 84" High Adjustable Intake Louver, Galvanized Aluminum.....	1,218.72	97.87
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	102.30	
			For Clear Lacquer Finish, Add	204.60	
			For Baked Enamel Standard Colors, Add	306.90	
			For Anodized Finish, Add	409.20	
			For Kynar™ Standard Colors Finish, Add	562.65	
08 91 16 00-0015	EA		12" Wide x 90" High Adjustable Intake Louver, Galvanized Aluminum.....	1,316.99	106.50
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	110.40	
			For Clear Lacquer Finish, Add	220.80	
			For Baked Enamel Standard Colors, Add	331.20	
			For Anodized Finish, Add	441.60	
			For Kynar™ Standard Colors Finish, Add	607.20	
08 91 16 00-0016	EA		12" Wide x 96" High Adjustable Intake Louver, Galvanized Aluminum.....	1,391.26	115.13
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	116.10	
			For Clear Lacquer Finish, Add	232.20	
			For Baked Enamel Standard Colors, Add	348.30	
			For Anodized Finish, Add	464.40	
			For Kynar™ Standard Colors Finish, Add	638.55	
08 91 16 00-0017	EA		18" Wide x 12" High Adjustable Intake Louver, Galvanized Aluminum.....	336.92	31.66
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	27.36	
			For Clear Lacquer Finish, Add	54.72	
			For Baked Enamel Standard Colors, Add	82.08	
			For Anodized Finish, Add	109.44	
			For Kynar™ Standard Colors Finish, Add	150.48	
08 91 16 00-0018	EA		18" Wide x 18" High Adjustable Intake Louver, Galvanized Aluminum.....	425.59	40.29
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	34.50	
			For Clear Lacquer Finish, Add	69.00	
			For Baked Enamel Standard Colors, Add	103.50	
			For Anodized Finish, Add	138.00	
			For Kynar™ Standard Colors Finish, Add	189.75	
08 91 16 00-0019	EA		18" Wide x 24" High Adjustable Intake Louver, Galvanized Aluminum.....	498.31	46.05
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	40.62	
			For Clear Lacquer Finish, Add	81.24	
			For Baked Enamel Standard Colors, Add	121.86	
			For Anodized Finish, Add	162.48	
			For Kynar™ Standard Colors Finish, Add	223.41	
08 91 16 00-0020	EA		18" Wide x 30" High Adjustable Intake Louver, Galvanized Aluminum.....	620.33	57.56
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	50.52	
			For Clear Lacquer Finish, Add	101.04	
			For Baked Enamel Standard Colors, Add	151.56	
			For Anodized Finish, Add	202.08	
			For Kynar™ Standard Colors Finish, Add	277.86	
08 91 16 00-0021	EA		18" Wide x 36" High Adjustable Intake Louver, Galvanized Aluminum.....	703.84	63.32
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	57.72	
			For Clear Lacquer Finish, Add	115.44	
			For Baked Enamel Standard Colors, Add	173.16	
			For Anodized Finish, Add	230.88	
			For Kynar™ Standard Colors Finish, Add	317.46	
08 91 16 00-0022	EA		18" Wide x 42" High Adjustable Intake Louver, Galvanized Aluminum.....	787.36	69.08
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	64.92	
			For Clear Lacquer Finish, Add	129.84	
			For Baked Enamel Standard Colors, Add	194.76	
			For Anodized Finish, Add	259.68	
			For Kynar™ Standard Colors Finish, Add	357.06	

08	Openings
08 90	Louvers And Vents
08 91	Louvers



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 16 00-0023 EA 18" Wide x 48" High Adjustable Intake Louver, Galvanized Aluminum.....	886.47	74.84
Note: Includes bird screen. Excludes actuator.		
For Flange Frame, Add	73.68	
For Clear Lacquer Finish, Add	147.36	
For Baked Enamel Standard Colors, Add	221.04	
For Anodized Finish, Add	294.72	
For Kynar™ Standard Colors Finish, Add	405.24	
08 91 16 00-0024 EA 18" Wide x 54" High Adjustable Intake Louver, Galvanized Aluminum.....	983.54	83.47
Note: Includes bird screen. Excludes actuator.		
For Flange Frame, Add	81.66	
For Clear Lacquer Finish, Add	163.32	
For Baked Enamel Standard Colors, Add	244.98	
For Anodized Finish, Add	326.64	
For Kynar™ Standard Colors Finish, Add	449.13	
08 91 16 00-0025 EA 18" Wide x 60" High Adjustable Intake Louver, Galvanized Aluminum.....	1,062.61	92.11
Note: Includes bird screen. Excludes actuator.		
For Flange Frame, Add	87.84	
For Clear Lacquer Finish, Add	175.68	
For Baked Enamel Standard Colors, Add	263.52	
For Anodized Finish, Add	351.36	
For Kynar™ Standard Colors Finish, Add	483.12	
08 91 16 00-0026 EA 18" Wide x 66" High Adjustable Intake Louver, Galvanized Aluminum.....	1,136.52	97.87
Note: Includes bird screen. Excludes actuator.		
For Flange Frame, Add	94.08	
For Clear Lacquer Finish, Add	188.16	
For Baked Enamel Standard Colors, Add	282.24	
For Anodized Finish, Add	376.32	
For Kynar™ Standard Colors Finish, Add	517.44	
08 91 16 00-0027 EA 18" Wide x 72" High Adjustable Intake Louver, Galvanized Aluminum.....	1,206.24	103.61
Note: Includes bird screen. Excludes actuator.		
For Flange Frame, Add	99.90	
For Clear Lacquer Finish, Add	199.80	
For Baked Enamel Standard Colors, Add	299.70	
For Anodized Finish, Add	399.60	
For Kynar™ Standard Colors Finish, Add	549.45	
08 91 16 00-0028 EA 18" Wide x 78" High Adjustable Intake Louver, Galvanized Aluminum.....	1,295.15	109.37
Note: Includes bird screen. Excludes actuator.		
For Flange Frame, Add	107.64	
For Clear Lacquer Finish, Add	215.28	
For Baked Enamel Standard Colors, Add	322.92	
For Anodized Finish, Add	430.56	
For Kynar™ Standard Colors Finish, Add	592.02	
08 91 16 00-0029 EA 18" Wide x 84" High Adjustable Intake Louver, Galvanized Aluminum.....	1,381.06	115.13
Note: Includes bird screen. Excludes actuator.		
For Flange Frame, Add	115.08	
For Clear Lacquer Finish, Add	230.16	
For Baked Enamel Standard Colors, Add	345.24	
For Anodized Finish, Add	460.32	
For Kynar™ Standard Colors Finish, Add	632.94	
08 91 16 00-0030 EA 18" Wide x 90" High Adjustable Intake Louver, Galvanized Aluminum.....	1,487.13	123.77
Note: Includes bird screen. Excludes actuator.		
For Flange Frame, Add	123.96	
For Clear Lacquer Finish, Add	247.92	
For Baked Enamel Standard Colors, Add	371.88	
For Anodized Finish, Add	495.84	
For Kynar™ Standard Colors Finish, Add	681.78	
08 91 16 00-0031 EA 18" Wide x 96" High Adjustable Intake Louver, Galvanized Aluminum.....	1,569.20	132.40
Note: Includes bird screen. Excludes actuator.		
For Flange Frame, Add	130.44	
For Clear Lacquer Finish, Add	260.88	
For Baked Enamel Standard Colors, Add	391.32	
For Anodized Finish, Add	521.76	
For Kynar™ Standard Colors Finish, Add	717.42	
08 91 16 00-0032 EA 24" Wide x 12" High Adjustable Intake Louver, Galvanized Aluminum.....	378.44	37.42
Note: Includes bird screen. Excludes actuator.		
For Flange Frame, Add	30.36	
For Clear Lacquer Finish, Add	60.72	
For Baked Enamel Standard Colors, Add	91.08	
For Anodized Finish, Add	121.44	
For Kynar™ Standard Colors Finish, Add	166.98	
08 91 16 00-0033 EA 24" Wide x 18" High Adjustable Intake Louver, Galvanized Aluminum.....	479.11	46.05
Note: Includes bird screen. Excludes actuator.		
For Flange Frame, Add	38.70	
For Clear Lacquer Finish, Add	77.40	
For Baked Enamel Standard Colors, Add	116.10	
For Anodized Finish, Add	154.80	
For Kynar™ Standard Colors Finish, Add	212.85	
08 91 16 00-0034 EA 24" Wide x 24" High Adjustable Intake Louver, Galvanized Aluminum.....	591.77	54.69
Note: Includes bird screen. Excludes actuator.		
For Flange Frame, Add	48.24	
For Clear Lacquer Finish, Add	96.48	
For Baked Enamel Standard Colors, Add	144.72	
For Anodized Finish, Add	192.96	
For Kynar™ Standard Colors Finish, Add	265.32	



Openings	08
Louvers And Vents	08 90
Louvers	08 91

08

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 16 00-0035 EA 24" Wide x 30" High Adjustable Intake Louver, Galvanized Aluminum.....	699.40	66.20
Note: Includes bird screen. Excludes actuator.		
For Flange Frame, Add	56.70	
For Clear Lacquer Finish, Add	113.40	
For Baked Enamel Standard Colors, Add	170.10	
For Anodized Finish, Add	226.80	
For Kynar™ Standard Colors Finish, Add	311.85	
08 91 16 00-0036 EA 24" Wide x 36" High Adjustable Intake Louver, Galvanized Aluminum.....	790.72	71.95
Note: Includes bird screen. Excludes actuator.		
For Flange Frame, Add	64.68	
For Clear Lacquer Finish, Add	129.36	
For Baked Enamel Standard Colors, Add	194.04	
For Anodized Finish, Add	258.72	
For Kynar™ Standard Colors Finish, Add	355.74	
08 91 16 00-0037 EA 24" Wide x 42" High Adjustable Intake Louver, Galvanized Aluminum.....	886.83	77.71
Note: Includes bird screen. Excludes actuator.		
For Flange Frame, Add	73.14	
For Clear Lacquer Finish, Add	146.28	
For Baked Enamel Standard Colors, Add	219.42	
For Anodized Finish, Add	292.56	
For Kynar™ Standard Colors Finish, Add	402.27	
08 91 16 00-0038 EA 24" Wide x 48" High Adjustable Intake Louver, Galvanized Aluminum.....	1,006.69	86.35
Note: Includes bird screen. Excludes actuator.		
For Flange Frame, Add	83.40	
For Clear Lacquer Finish, Add	166.80	
For Baked Enamel Standard Colors, Add	250.20	
For Anodized Finish, Add	333.60	
For Kynar™ Standard Colors Finish, Add	458.70	
08 91 16 00-0039 EA 24" Wide x 54" High Adjustable Intake Louver, Galvanized Aluminum.....	1,111.32	97.87
Note: Includes bird screen. Excludes actuator.		
For Flange Frame, Add	91.56	
For Clear Lacquer Finish, Add	183.12	
For Baked Enamel Standard Colors, Add	274.68	
For Anodized Finish, Add	366.24	
For Kynar™ Standard Colors Finish, Add	503.58	
08 91 16 00-0040 EA 24" Wide x 60" High Adjustable Intake Louver, Galvanized Aluminum.....	1,190.04	103.61
Note: Includes bird screen. Excludes actuator.		
For Flange Frame, Add	98.28	
For Clear Lacquer Finish, Add	196.56	
For Baked Enamel Standard Colors, Add	294.84	
For Anodized Finish, Add	393.12	
For Kynar™ Standard Colors Finish, Add	540.54	
08 91 16 00-0041 EA 24" Wide x 66" High Adjustable Intake Louver, Galvanized Aluminum.....	1,280.26	115.13
Note: Includes bird screen. Excludes actuator.		
For Flange Frame, Add	105.00	
For Clear Lacquer Finish, Add	210.00	
For Baked Enamel Standard Colors, Add	315.00	
For Anodized Finish, Add	420.00	
For Kynar™ Standard Colors Finish, Add	577.50	
08 91 16 00-0042 EA 24" Wide x 72" High Adjustable Intake Louver, Galvanized Aluminum.....	1,360.17	120.89
Note: Includes bird screen. Excludes actuator.		
For Flange Frame, Add	111.84	
For Clear Lacquer Finish, Add	223.68	
For Baked Enamel Standard Colors, Add	335.52	
For Anodized Finish, Add	447.36	
For Kynar™ Standard Colors Finish, Add	615.12	
08 91 16 00-0043 EA 24" Wide x 78" High Adjustable Intake Louver, Galvanized Aluminum.....	1,467.09	126.64
Note: Includes bird screen. Excludes actuator.		
For Flange Frame, Add	121.38	
For Clear Lacquer Finish, Add	242.76	
For Baked Enamel Standard Colors, Add	364.14	
For Anodized Finish, Add	485.52	
For Kynar™ Standard Colors Finish, Add	667.59	
08 91 16 00-0044 EA 24" Wide x 84" High Adjustable Intake Louver, Galvanized Aluminum.....	1,558.40	132.40
Note: Includes bird screen. Excludes actuator.		
For Flange Frame, Add	129.36	
For Clear Lacquer Finish, Add	258.72	
For Baked Enamel Standard Colors, Add	388.08	
For Anodized Finish, Add	517.44	
For Kynar™ Standard Colors Finish, Add	711.48	
08 91 16 00-0045 EA 24" Wide x 90" High Adjustable Intake Louver, Galvanized Aluminum.....	1,674.67	141.03
Note: Includes bird screen. Excludes actuator.		
For Flange Frame, Add	139.26	
For Clear Lacquer Finish, Add	278.52	
For Baked Enamel Standard Colors, Add	417.78	
For Anodized Finish, Add	557.04	
For Kynar™ Standard Colors Finish, Add	765.93	
08 91 16 00-0046 EA 24" Wide x 96" High Adjustable Intake Louver, Galvanized Aluminum.....	1,762.14	149.67
Note: Includes bird screen. Excludes actuator.		
For Flange Frame, Add	146.28	
For Clear Lacquer Finish, Add	292.56	
For Baked Enamel Standard Colors, Add	438.84	
For Anodized Finish, Add	585.12	
For Kynar™ Standard Colors Finish, Add	804.54	

08	Openings
08 90	Louvers And Vents
08 91	Louvers



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 16 00-0047	EA		30" Wide x 12" High Adjustable Intake Louver, Galvanized Aluminum.....	422.95	43.18
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	33.66	
			For Clear Lacquer Finish, Add	67.32	
			For Baked Enamel Standard Colors, Add	100.98	
			For Anodized Finish, Add	134.64	
			For Kynar™ Standard Colors Finish, Add	185.13	
08 91 16 00-0048	EA		30" Wide x 18" High Adjustable Intake Louver, Galvanized Aluminum.....	563.33	57.56
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	44.82	
			For Clear Lacquer Finish, Add	89.64	
			For Baked Enamel Standard Colors, Add	134.46	
			For Anodized Finish, Add	179.28	
			For Kynar™ Standard Colors Finish, Add	246.51	
08 91 16 00-0049	EA		30" Wide x 24" High Adjustable Intake Louver, Galvanized Aluminum.....	667.00	66.20
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	53.46	
			For Clear Lacquer Finish, Add	106.92	
			For Baked Enamel Standard Colors, Add	160.38	
			For Anodized Finish, Add	213.84	
			For Kynar™ Standard Colors Finish, Add	294.03	
08 91 16 00-0050	EA		30" Wide x 30" High Adjustable Intake Louver, Galvanized Aluminum.....	779.67	74.84
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	63.00	
			For Clear Lacquer Finish, Add	126.00	
			For Baked Enamel Standard Colors, Add	189.00	
			For Anodized Finish, Add	252.00	
			For Kynar™ Standard Colors Finish, Add	346.50	
08 91 16 00-0051	EA		30" Wide x 36" High Adjustable Intake Louver, Galvanized Aluminum.....	878.79	80.59
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	71.76	
			For Clear Lacquer Finish, Add	143.52	
			For Baked Enamel Standard Colors, Add	215.28	
			For Anodized Finish, Add	287.04	
			For Kynar™ Standard Colors Finish, Add	394.68	
08 91 16 00-0052	EA		30" Wide x 42" High Adjustable Intake Louver, Galvanized Aluminum.....	983.65	89.22
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	80.52	
			For Clear Lacquer Finish, Add	161.04	
			For Baked Enamel Standard Colors, Add	241.56	
			For Anodized Finish, Add	322.08	
			For Kynar™ Standard Colors Finish, Add	442.86	
08 91 16 00-0053	EA		30" Wide x 48" High Adjustable Intake Louver, Galvanized Aluminum.....	1,105.56	94.98
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	91.56	
			For Clear Lacquer Finish, Add	183.12	
			For Baked Enamel Standard Colors, Add	274.68	
			For Anodized Finish, Add	366.24	
			For Kynar™ Standard Colors Finish, Add	503.58	
08 91 16 00-0054	EA		30" Wide x 54" High Adjustable Intake Louver, Galvanized Aluminum.....	1,212.84	103.61
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	100.56	
			For Clear Lacquer Finish, Add	201.12	
			For Baked Enamel Standard Colors, Add	301.68	
			For Anodized Finish, Add	402.24	
			For Kynar™ Standard Colors Finish, Add	553.08	
08 91 16 00-0055	EA		30" Wide x 60" High Adjustable Intake Louver, Galvanized Aluminum.....	1,299.95	109.37
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	108.12	
			For Clear Lacquer Finish, Add	216.24	
			For Baked Enamel Standard Colors, Add	324.36	
			For Anodized Finish, Add	432.48	
			For Kynar™ Standard Colors Finish, Add	594.66	
08 91 16 00-0056	EA		30" Wide x 66" High Adjustable Intake Louver, Galvanized Aluminum.....	1,399.77	120.89
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	115.80	
			For Clear Lacquer Finish, Add	231.60	
			For Baked Enamel Standard Colors, Add	347.40	
			For Anodized Finish, Add	463.20	
			For Kynar™ Standard Colors Finish, Add	636.90	
08 91 16 00-0057	EA		30" Wide x 72" High Adjustable Intake Louver, Galvanized Aluminum.....	1,493.24	129.53
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	123.42	
			For Clear Lacquer Finish, Add	246.84	
			For Baked Enamel Standard Colors, Add	370.26	
			For Anodized Finish, Add	493.68	
			For Kynar™ Standard Colors Finish, Add	678.81	
08 91 16 00-0058	EA		30" Wide x 78" High Adjustable Intake Louver, Galvanized Aluminum.....	1,606.76	135.27
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	133.62	
			For Clear Lacquer Finish, Add	267.24	
			For Baked Enamel Standard Colors, Add	400.86	
			For Anodized Finish, Add	534.48	
			For Kynar™ Standard Colors Finish, Add	734.91	



Openings	08
Louvers And Vents	08 90
Louvers	08 91

08

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 16 00-0059	EA		30" Wide x 84" High Adjustable Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. Excludes actuator.	1,705.87	141.03
			<i>For Flange Frame, Add</i>	142.38	
			<i>For Clear Lacquer Finish, Add</i>	284.76	
			<i>For Baked Enamel Standard Colors, Add</i>	427.14	
			<i>For Anodized Finish, Add</i>	569.52	
			<i>For Kynar™ Standard Colors Finish, Add</i>	783.09	
08 91 16 00-0060	EA		30" Wide x 90" High Adjustable Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. Excludes actuator.	1,827.54	149.67
			<i>For Flange Frame, Add</i>	152.82	
			<i>For Clear Lacquer Finish, Add</i>	305.64	
			<i>For Baked Enamel Standard Colors, Add</i>	458.46	
			<i>For Anodized Finish, Add</i>	611.28	
			<i>For Kynar™ Standard Colors Finish, Add</i>	840.51	
08 91 16 00-0061	EA		30" Wide x 96" High Adjustable Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. Excludes actuator.	1,925.81	158.30
			<i>For Flange Frame, Add</i>	160.92	
			<i>For Clear Lacquer Finish, Add</i>	321.84	
			<i>For Baked Enamel Standard Colors, Add</i>	482.76	
			<i>For Anodized Finish, Add</i>	643.68	
			<i>For Kynar™ Standard Colors Finish, Add</i>	885.06	
08 91 16 00-0062	EA		36" Wide x 12" High Adjustable Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. Excludes actuator.	464.47	48.93
			<i>For Flange Frame, Add</i>	36.66	
			<i>For Clear Lacquer Finish, Add</i>	73.32	
			<i>For Baked Enamel Standard Colors, Add</i>	109.98	
			<i>For Anodized Finish, Add</i>	146.64	
			<i>For Kynar™ Standard Colors Finish, Add</i>	201.63	
08 91 16 00-0063	EA		36" Wide x 18" High Adjustable Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. Excludes actuator.	626.44	63.32
			<i>For Flange Frame, Add</i>	49.98	
			<i>For Clear Lacquer Finish, Add</i>	99.96	
			<i>For Baked Enamel Standard Colors, Add</i>	149.94	
			<i>For Anodized Finish, Add</i>	199.92	
			<i>For Kynar™ Standard Colors Finish, Add</i>	274.89	
08 91 16 00-0064	EA		36" Wide x 24" High Adjustable Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. Excludes actuator.	730.72	71.95
			<i>For Flange Frame, Add</i>	58.68	
			<i>For Clear Lacquer Finish, Add</i>	117.36	
			<i>For Baked Enamel Standard Colors, Add</i>	176.04	
			<i>For Anodized Finish, Add</i>	234.72	
			<i>For Kynar™ Standard Colors Finish, Add</i>	322.74	
08 91 16 00-0065	EA		36" Wide x 30" High Adjustable Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. Excludes actuator.	853.59	80.59
			<i>For Flange Frame, Add</i>	69.24	
			<i>For Clear Lacquer Finish, Add</i>	138.48	
			<i>For Baked Enamel Standard Colors, Add</i>	207.72	
			<i>For Anodized Finish, Add</i>	276.96	
			<i>For Kynar™ Standard Colors Finish, Add</i>	380.82	
08 91 16 00-0066	EA		36" Wide x 36" High Adjustable Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. Excludes actuator.	966.40	87.50
			<i>For Flange Frame, Add</i>	79.14	
			<i>For Clear Lacquer Finish, Add</i>	158.28	
			<i>For Baked Enamel Standard Colors, Add</i>	237.42	
			<i>For Anodized Finish, Add</i>	316.56	
			<i>For Kynar™ Standard Colors Finish, Add</i>	435.27	
08 91 16 00-0067	EA		36" Wide x 42" High Adjustable Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. Excludes actuator.	1,073.16	94.98
			<i>For Flange Frame, Add</i>	88.32	
			<i>For Clear Lacquer Finish, Add</i>	176.64	
			<i>For Baked Enamel Standard Colors, Add</i>	264.96	
			<i>For Anodized Finish, Add</i>	353.28	
			<i>For Kynar™ Standard Colors Finish, Add</i>	485.76	
08 91 16 00-0068	EA		36" Wide x 48" High Adjustable Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. Excludes actuator.	1,208.88	100.74
			<i>For Flange Frame, Add</i>	100.74	
			<i>For Clear Lacquer Finish, Add</i>	201.48	
			<i>For Baked Enamel Standard Colors, Add</i>	302.22	
			<i>For Anodized Finish, Add</i>	402.96	
			<i>For Kynar™ Standard Colors Finish, Add</i>	554.07	
08 91 16 00-0069	EA		36" Wide x 54" High Adjustable Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. Excludes actuator.	1,328.75	109.37
			<i>For Flange Frame, Add</i>	111.00	
			<i>For Clear Lacquer Finish, Add</i>	222.00	
			<i>For Baked Enamel Standard Colors, Add</i>	333.00	
			<i>For Anodized Finish, Add</i>	444.00	
			<i>For Kynar™ Standard Colors Finish, Add</i>	610.50	
08 91 16 00-0070	EA		36" Wide x 60" High Adjustable Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. Excludes actuator.	1,427.61	118.01
			<i>For Flange Frame, Add</i>	119.16	
			<i>For Clear Lacquer Finish, Add</i>	238.32	
			<i>For Baked Enamel Standard Colors, Add</i>	357.48	
			<i>For Anodized Finish, Add</i>	476.64	
			<i>For Kynar™ Standard Colors Finish, Add</i>	655.38	

08	Openings
08 90	Louvers And Vents
08 91	Louvers



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 16 00-0071 EA 36" Wide x 66" High Adjustable Intake Louver, Galvanized Aluminum.....	1,528.89	126.64
Note: Includes bird screen. Excludes actuator.		
For Flange Frame, Add	127.56	
For Clear Lacquer Finish, Add	255.12	
For Baked Enamel Standard Colors, Add	382.68	
For Anodized Finish, Add	510.24	
For Kynar™ Standard Colors Finish, Add	701.58	
08 91 16 00-0072 EA 36" Wide x 72" High Adjustable Intake Louver, Galvanized Aluminum.....	1,633.16	135.27
Note: Includes bird screen. Excludes actuator.		
For Flange Frame, Add	136.26	
For Clear Lacquer Finish, Add	272.52	
For Baked Enamel Standard Colors, Add	408.78	
For Anodized Finish, Add	545.04	
For Kynar™ Standard Colors Finish, Add	749.43	
08 91 16 00-0073 EA 36" Wide x 78" High Adjustable Intake Louver, Galvanized Aluminum.....	1,756.87	141.03
Note: Includes bird screen. Excludes actuator.		
For Flange Frame, Add	147.48	
For Clear Lacquer Finish, Add	294.96	
For Baked Enamel Standard Colors, Add	442.44	
For Anodized Finish, Add	589.92	
For Kynar™ Standard Colors Finish, Add	811.14	
08 91 16 00-0074 EA 36" Wide x 84" High Adjustable Intake Louver, Galvanized Aluminum.....	1,863.18	146.79
Note: Includes bird screen. Excludes actuator.		
For Flange Frame, Add	156.96	
For Clear Lacquer Finish, Add	313.92	
For Baked Enamel Standard Colors, Add	470.88	
For Anodized Finish, Add	627.84	
For Kynar™ Standard Colors Finish, Add	863.28	
08 91 16 00-0075 EA 36" Wide x 90" High Adjustable Intake Louver, Galvanized Aluminum.....	1,999.85	155.43
Note: Includes bird screen. Excludes actuator.		
For Flange Frame, Add	168.90	
For Clear Lacquer Finish, Add	337.80	
For Baked Enamel Standard Colors, Add	506.70	
For Anodized Finish, Add	675.60	
For Kynar™ Standard Colors Finish, Add	928.95	
08 91 16 00-0076 EA 36" Wide x 96" High Adjustable Intake Louver, Galvanized Aluminum.....	2,103.52	164.06
Note: Includes bird screen. Excludes actuator.		
For Flange Frame, Add	177.54	
For Clear Lacquer Finish, Add	355.08	
For Baked Enamel Standard Colors, Add	532.62	
For Anodized Finish, Add	710.16	
For Kynar™ Standard Colors Finish, Add	976.47	
08 91 16 00-0077 EA 42" Wide x 12" High Adjustable Intake Louver, Galvanized Aluminum.....	530.57	54.69
Note: Includes bird screen. Excludes actuator.		
For Flange Frame, Add	42.12	
For Clear Lacquer Finish, Add	84.24	
For Baked Enamel Standard Colors, Add	126.36	
For Anodized Finish, Add	168.48	
For Kynar™ Standard Colors Finish, Add	231.66	
08 91 16 00-0078 EA 42" Wide x 18" High Adjustable Intake Louver, Galvanized Aluminum.....	676.36	69.08
Note: Includes bird screen. Excludes actuator.		
For Flange Frame, Add	53.82	
For Clear Lacquer Finish, Add	107.64	
For Baked Enamel Standard Colors, Add	161.46	
For Anodized Finish, Add	215.28	
For Kynar™ Standard Colors Finish, Add	296.01	
08 91 16 00-0079 EA 42" Wide x 24" High Adjustable Intake Louver, Galvanized Aluminum.....	791.43	77.71
Note: Includes bird screen. Excludes actuator.		
For Flange Frame, Add	63.60	
For Clear Lacquer Finish, Add	127.20	
For Baked Enamel Standard Colors, Add	190.80	
For Anodized Finish, Add	254.40	
For Kynar™ Standard Colors Finish, Add	349.80	
08 91 16 00-0080 EA 42" Wide x 30" High Adjustable Intake Louver, Galvanized Aluminum.....	924.25	89.22
Note: Includes bird screen. Excludes actuator.		
For Flange Frame, Add	74.58	
For Clear Lacquer Finish, Add	149.16	
For Baked Enamel Standard Colors, Add	223.74	
For Anodized Finish, Add	298.32	
For Kynar™ Standard Colors Finish, Add	410.19	
08 91 16 00-0081 EA 42" Wide x 36" High Adjustable Intake Louver, Galvanized Aluminum.....	1,043.16	94.98
Note: Includes bird screen. Excludes actuator.		
For Flange Frame, Add	85.32	
For Clear Lacquer Finish, Add	170.64	
For Baked Enamel Standard Colors, Add	255.96	
For Anodized Finish, Add	341.28	
For Kynar™ Standard Colors Finish, Add	469.26	
08 91 16 00-0082 EA 42" Wide x 42" High Adjustable Intake Louver, Galvanized Aluminum.....	1,156.08	100.74
Note: Includes bird screen. Excludes actuator.		
For Flange Frame, Add	95.46	
For Clear Lacquer Finish, Add	190.92	
For Baked Enamel Standard Colors, Add	286.38	
For Anodized Finish, Add	381.84	
For Kynar™ Standard Colors Finish, Add	525.03	



Openings	08
Louvers And Vents	08 90
Louvers	08 91

08

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 16 00-0083	EA		42" Wide x 48" High Adjustable Intake Louver, Galvanized Aluminum.....	1,303.19	106.50
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	109.02	
			For Clear Lacquer Finish, Add	218.04	
			For Baked Enamel Standard Colors, Add	327.06	
			For Anodized Finish, Add	436.08	
			For Kynar™ Standard Colors Finish, Add	599.61	
08 91 16 00-0084	EA		42" Wide x 54" High Adjustable Intake Louver, Galvanized Aluminum.....	1,424.86	115.13
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	119.46	
			For Clear Lacquer Finish, Add	238.92	
			For Baked Enamel Standard Colors, Add	358.38	
			For Anodized Finish, Add	477.84	
			For Kynar™ Standard Colors Finish, Add	657.03	
08 91 16 00-0085	EA		42" Wide x 60" High Adjustable Intake Louver, Galvanized Aluminum.....	1,535.13	123.77
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	128.76	
			For Clear Lacquer Finish, Add	257.52	
			For Baked Enamel Standard Colors, Add	386.28	
			For Anodized Finish, Add	515.04	
			For Kynar™ Standard Colors Finish, Add	708.18	
08 91 16 00-0086	EA		42" Wide x 66" High Adjustable Intake Louver, Galvanized Aluminum.....	1,638.80	132.40
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	137.40	
			For Clear Lacquer Finish, Add	274.80	
			For Baked Enamel Standard Colors, Add	412.20	
			For Anodized Finish, Add	549.60	
			For Kynar™ Standard Colors Finish, Add	755.70	
08 91 16 00-0087	EA		42" Wide x 72" High Adjustable Intake Louver, Galvanized Aluminum.....	1,751.47	141.03
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	146.94	
			For Clear Lacquer Finish, Add	293.88	
			For Baked Enamel Standard Colors, Add	440.82	
			For Anodized Finish, Add	587.76	
			For Kynar™ Standard Colors Finish, Add	808.17	
08 91 16 00-0088	EA		42" Wide x 78" High Adjustable Intake Louver, Galvanized Aluminum.....	1,884.18	146.79
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	159.06	
			For Clear Lacquer Finish, Add	318.12	
			For Baked Enamel Standard Colors, Add	477.18	
			For Anodized Finish, Add	636.24	
			For Kynar™ Standard Colors Finish, Add	874.83	
08 91 16 00-0089	EA		42" Wide x 84" High Adjustable Intake Louver, Galvanized Aluminum.....	2,000.09	152.55
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	169.50	
			For Clear Lacquer Finish, Add	339.00	
			For Baked Enamel Standard Colors, Add	508.50	
			For Anodized Finish, Add	678.00	
			For Kynar™ Standard Colors Finish, Add	932.25	
08 91 16 00-0090	EA		42" Wide x 90" High Adjustable Intake Louver, Galvanized Aluminum.....	2,152.37	161.19
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	183.00	
			For Clear Lacquer Finish, Add	366.00	
			For Baked Enamel Standard Colors, Add	549.00	
			For Anodized Finish, Add	732.00	
			For Kynar™ Standard Colors Finish, Add	1,006.50	
08 91 16 00-0091	EA		42" Wide x 96" High Adjustable Intake Louver, Galvanized Aluminum.....	2,260.24	169.82
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	192.06	
			For Clear Lacquer Finish, Add	384.12	
			For Baked Enamel Standard Colors, Add	576.18	
			For Anodized Finish, Add	768.24	
			For Kynar™ Standard Colors Finish, Add	1,056.33	
08 91 16 00-0092	EA		48" Wide x 12" High Adjustable Intake Louver, Galvanized Aluminum.....	575.09	60.45
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	45.42	
			For Clear Lacquer Finish, Add	90.84	
			For Baked Enamel Standard Colors, Add	136.26	
			For Anodized Finish, Add	181.68	
			For Kynar™ Standard Colors Finish, Add	249.81	
08 91 16 00-0093	EA		48" Wide x 18" High Adjustable Intake Louver, Galvanized Aluminum.....	729.27	74.84
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	57.96	
			For Clear Lacquer Finish, Add	115.92	
			For Baked Enamel Standard Colors, Add	173.88	
			For Anodized Finish, Add	231.84	
			For Kynar™ Standard Colors Finish, Add	318.78	
08 91 16 00-0094	EA		48" Wide x 24" High Adjustable Intake Louver, Galvanized Aluminum.....	861.49	86.35
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	68.88	
			For Clear Lacquer Finish, Add	137.76	
			For Baked Enamel Standard Colors, Add	206.64	
			For Anodized Finish, Add	275.52	
			For Kynar™ Standard Colors Finish, Add	378.84	

08	Openings
08 90	Louvers And Vents
08 91	Louvers



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 16 00-0095 EA 48" Wide x 30" High Adjustable Intake Louver, Galvanized Aluminum.....	995.16	94.98
Note: Includes bird screen. Excludes actuator.		
For Flange Frame, Add	80.52	
For Clear Lacquer Finish, Add	161.04	
For Baked Enamel Standard Colors, Add	241.56	
For Anodized Finish, Add	322.08	
For Kynar™ Standard Colors Finish, Add	442.86	
08 91 16 00-0096 EA 48" Wide x 36" High Adjustable Intake Louver, Galvanized Aluminum.....	1,126.08	100.74
Note: Includes bird screen. Excludes actuator.		
For Flange Frame, Add	92.46	
For Clear Lacquer Finish, Add	184.92	
For Baked Enamel Standard Colors, Add	277.38	
For Anodized Finish, Add	369.84	
For Kynar™ Standard Colors Finish, Add	508.53	
08 91 16 00-0097 EA 48" Wide x 42" High Adjustable Intake Louver, Galvanized Aluminum.....	1,252.79	106.50
Note: Includes bird screen. Excludes actuator.		
For Flange Frame, Add	103.98	
For Clear Lacquer Finish, Add	207.96	
For Baked Enamel Standard Colors, Add	311.94	
For Anodized Finish, Add	415.92	
For Kynar™ Standard Colors Finish, Add	571.89	
08 91 16 00-0098 EA 48" Wide x 48" High Adjustable Intake Louver, Galvanized Aluminum.....	1,411.66	115.13
Note: Includes bird screen. Excludes actuator.		
For Flange Frame, Add	118.14	
For Clear Lacquer Finish, Add	236.28	
For Baked Enamel Standard Colors, Add	354.42	
For Anodized Finish, Add	472.56	
For Kynar™ Standard Colors Finish, Add	649.77	
08 91 16 00-0099 EA 48" Wide x 54" High Adjustable Intake Louver, Galvanized Aluminum.....	1,544.13	123.77
Note: Includes bird screen. Excludes actuator.		
For Flange Frame, Add	129.66	
For Clear Lacquer Finish, Add	259.32	
For Baked Enamel Standard Colors, Add	388.98	
For Anodized Finish, Add	518.64	
For Kynar™ Standard Colors Finish, Add	713.13	
08 91 16 00-0100 EA 48" Wide x 60" High Adjustable Intake Louver, Galvanized Aluminum.....	1,659.80	132.40
Note: Includes bird screen. Excludes actuator.		
For Flange Frame, Add	139.50	
For Clear Lacquer Finish, Add	279.00	
For Baked Enamel Standard Colors, Add	418.50	
For Anodized Finish, Add	558.00	
For Kynar™ Standard Colors Finish, Add	767.25	
08 91 16 00-0101 EA 48" Wide x 66" High Adjustable Intake Louver, Galvanized Aluminum.....	1,777.27	141.03
Note: Includes bird screen. Excludes actuator.		
For Flange Frame, Add	149.52	
For Clear Lacquer Finish, Add	299.04	
For Baked Enamel Standard Colors, Add	448.56	
For Anodized Finish, Add	598.08	
For Kynar™ Standard Colors Finish, Add	822.36	
08 91 16 00-0102 EA 48" Wide x 72" High Adjustable Intake Louver, Galvanized Aluminum.....	1,892.34	149.67
Note: Includes bird screen. Excludes actuator.		
For Flange Frame, Add	159.30	
For Clear Lacquer Finish, Add	318.60	
For Baked Enamel Standard Colors, Add	477.90	
For Anodized Finish, Add	637.20	
For Kynar™ Standard Colors Finish, Add	876.15	
08 91 16 00-0103 EA 48" Wide x 78" High Adjustable Intake Louver, Galvanized Aluminum.....	2,041.85	155.43
Note: Includes bird screen. Excludes actuator.		
For Flange Frame, Add	173.10	
For Clear Lacquer Finish, Add	346.20	
For Baked Enamel Standard Colors, Add	519.30	
For Anodized Finish, Add	692.40	
For Kynar™ Standard Colors Finish, Add	952.05	
08 91 16 00-0104 EA 48" Wide x 84" High Adjustable Intake Louver, Galvanized Aluminum.....	2,166.77	161.19
Note: Includes bird screen. Excludes actuator.		
For Flange Frame, Add	184.44	
For Clear Lacquer Finish, Add	368.88	
For Baked Enamel Standard Colors, Add	553.32	
For Anodized Finish, Add	737.76	
For Kynar™ Standard Colors Finish, Add	1,014.42	
08 91 16 00-0105 EA 48" Wide x 90" High Adjustable Intake Louver, Galvanized Aluminum.....	2,319.88	166.94
Note: Includes bird screen. Excludes actuator.		
For Flange Frame, Add	198.60	
For Clear Lacquer Finish, Add	397.20	
For Baked Enamel Standard Colors, Add	595.80	
For Anodized Finish, Add	794.40	
For Kynar™ Standard Colors Finish, Add	1,092.30	
08 91 16 00-0106 EA 48" Wide x 96" High Adjustable Intake Louver, Galvanized Aluminum.....	2,437.95	175.58
Note: Includes bird screen. Excludes actuator.		
For Flange Frame, Add	208.68	
For Clear Lacquer Finish, Add	417.36	
For Baked Enamel Standard Colors, Add	626.04	
For Anodized Finish, Add	834.72	
For Kynar™ Standard Colors Finish, Add	1,147.74	



Openings	08
Louvers And Vents	08 90
Louvers	08 91

08

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 16 00-0107 EA 54" Wide x 12" High Adjustable Intake Louver, Galvanized Aluminum.....	666.76	69.08
Note: Includes bird screen. Excludes actuator.		
For Flange Frame, Add	52.86	
For Clear Lacquer Finish, Add	105.72	
For Baked Enamel Standard Colors, Add	158.58	
For Anodized Finish, Add	211.44	
For Kynar™ Standard Colors Finish, Add	290.73	
08 91 16 00-0108 EA 54" Wide x 18" High Adjustable Intake Louver, Galvanized Aluminum.....	850.94	83.47
Note: Includes bird screen. Excludes actuator.		
For Flange Frame, Add	68.40	
For Clear Lacquer Finish, Add	136.80	
For Baked Enamel Standard Colors, Add	205.20	
For Anodized Finish, Add	273.60	
For Kynar™ Standard Colors Finish, Add	376.20	
08 91 16 00-0109 EA 54" Wide x 24" High Adjustable Intake Louver, Galvanized Aluminum.....	997.32	97.87
Note: Includes bird screen. Excludes actuator.		
For Flange Frame, Add	80.16	
For Clear Lacquer Finish, Add	160.32	
For Baked Enamel Standard Colors, Add	240.48	
For Anodized Finish, Add	320.64	
For Kynar™ Standard Colors Finish, Add	440.88	
08 91 16 00-0110 EA 54" Wide x 30" High Adjustable Intake Louver, Galvanized Aluminum.....	1,139.04	103.61
Note: Includes bird screen. Excludes actuator.		
For Flange Frame, Add	93.18	
For Clear Lacquer Finish, Add	186.36	
For Baked Enamel Standard Colors, Add	279.54	
For Anodized Finish, Add	372.72	
For Kynar™ Standard Colors Finish, Add	512.49	
08 91 16 00-0111 EA 54" Wide x 36" High Adjustable Intake Louver, Galvanized Aluminum.....	1,292.75	109.37
Note: Includes bird screen. Excludes actuator.		
For Flange Frame, Add	107.40	
For Clear Lacquer Finish, Add	214.80	
For Baked Enamel Standard Colors, Add	322.20	
For Anodized Finish, Add	429.60	
For Kynar™ Standard Colors Finish, Add	590.70	
08 91 16 00-0112 EA 54" Wide x 42" High Adjustable Intake Louver, Galvanized Aluminum.....	1,430.86	115.13
Note: Includes bird screen. Excludes actuator.		
For Flange Frame, Add	120.06	
For Clear Lacquer Finish, Add	240.12	
For Baked Enamel Standard Colors, Add	360.18	
For Anodized Finish, Add	480.24	
For Kynar™ Standard Colors Finish, Add	660.33	
08 91 16 00-0113 EA 54" Wide x 48" High Adjustable Intake Louver, Galvanized Aluminum.....	1,614.33	123.77
Note: Includes bird screen. Excludes actuator.		
For Flange Frame, Add	136.68	
For Clear Lacquer Finish, Add	273.36	
For Baked Enamel Standard Colors, Add	410.04	
For Anodized Finish, Add	546.72	
For Kynar™ Standard Colors Finish, Add	751.74	
08 91 16 00-0114 EA 54" Wide x 54" High Adjustable Intake Louver, Galvanized Aluminum.....	1,793.00	132.40
Note: Includes bird screen. Excludes actuator.		
For Flange Frame, Add	152.82	
For Clear Lacquer Finish, Add	305.64	
For Baked Enamel Standard Colors, Add	458.46	
For Anodized Finish, Add	611.28	
For Kynar™ Standard Colors Finish, Add	840.51	
08 91 16 00-0115 EA 54" Wide x 60" High Adjustable Intake Louver, Galvanized Aluminum.....	1,928.47	141.03
Note: Includes bird screen. Excludes actuator.		
For Flange Frame, Add	164.64	
For Clear Lacquer Finish, Add	329.28	
For Baked Enamel Standard Colors, Add	493.92	
For Anodized Finish, Add	658.56	
For Kynar™ Standard Colors Finish, Add	905.52	
08 91 16 00-0116 EA 54" Wide x 66" High Adjustable Intake Louver, Galvanized Aluminum.....	2,062.14	149.67
Note: Includes bird screen. Excludes actuator.		
For Flange Frame, Add	176.28	
For Clear Lacquer Finish, Add	352.56	
For Baked Enamel Standard Colors, Add	528.84	
For Anodized Finish, Add	705.12	
For Kynar™ Standard Colors Finish, Add	969.54	
08 91 16 00-0117 EA 54" Wide x 72" High Adjustable Intake Louver, Galvanized Aluminum.....	2,188.85	155.43
Note: Includes bird screen. Excludes actuator.		
For Flange Frame, Add	187.80	
For Clear Lacquer Finish, Add	375.60	
For Baked Enamel Standard Colors, Add	563.40	
For Anodized Finish, Add	751.20	
For Kynar™ Standard Colors Finish, Add	1,032.90	
08 91 16 00-0118 EA 54" Wide x 78" High Adjustable Intake Louver, Galvanized Aluminum.....	2,355.17	161.19
Note: Includes bird screen. Excludes actuator.		
For Flange Frame, Add	203.28	
For Clear Lacquer Finish, Add	406.56	
For Baked Enamel Standard Colors, Add	609.84	
For Anodized Finish, Add	813.12	
For Kynar™ Standard Colors Finish, Add	1,118.04	

08	Openings
08 90	Louvers And Vents
08 91	Louvers



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91	16 00-0119	EA	54" Wide x 84" High Adjustable Intake Louver, Galvanized Aluminum.....	2,494.48	166.94
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	216.06	
			For Clear Lacquer Finish, Add	432.12	
			For Baked Enamel Standard Colors, Add	648.18	
			For Anodized Finish, Add	864.24	
			For Kynar™ Standard Colors Finish, Add	1,188.33	
08 91	16 00-0120	EA	54" Wide x 90" High Adjustable Intake Louver, Galvanized Aluminum.....	2,672.80	172.69
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	232.74	
			For Clear Lacquer Finish, Add	465.48	
			For Baked Enamel Standard Colors, Add	698.22	
			For Anodized Finish, Add	930.96	
			For Kynar™ Standard Colors Finish, Add	1,280.07	
08 91	16 00-0121	EA	54" Wide x 96" High Adjustable Intake Louver, Galvanized Aluminum.....	2,809.46	181.33
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	244.68	
			For Clear Lacquer Finish, Add	489.36	
			For Baked Enamel Standard Colors, Add	734.04	
			For Anodized Finish, Add	978.72	
			For Kynar™ Standard Colors Finish, Add	1,345.74	
08 91	16 00-0122	EA	60" Wide x 12" High Adjustable Intake Louver, Galvanized Aluminum.....	708.87	74.84
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	55.92	
			For Clear Lacquer Finish, Add	111.84	
			For Baked Enamel Standard Colors, Add	167.76	
			For Anodized Finish, Add	223.68	
			For Kynar™ Standard Colors Finish, Add	307.56	
08 91	16 00-0123	EA	60" Wide x 18" High Adjustable Intake Louver, Galvanized Aluminum.....	909.61	92.11
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	72.54	
			For Clear Lacquer Finish, Add	145.08	
			For Baked Enamel Standard Colors, Add	217.62	
			For Anodized Finish, Add	290.16	
			For Kynar™ Standard Colors Finish, Add	398.97	
08 91	16 00-0124	EA	60" Wide x 24" High Adjustable Intake Louver, Galvanized Aluminum.....	1,056.84	103.61
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	84.96	
			For Clear Lacquer Finish, Add	169.92	
			For Baked Enamel Standard Colors, Add	254.88	
			For Anodized Finish, Add	339.84	
			For Kynar™ Standard Colors Finish, Add	467.28	
08 91	16 00-0125	EA	60" Wide x 30" High Adjustable Intake Louver, Galvanized Aluminum.....	1,212.35	109.37
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	99.36	
			For Clear Lacquer Finish, Add	198.72	
			For Baked Enamel Standard Colors, Add	298.08	
			For Anodized Finish, Add	397.44	
			For Kynar™ Standard Colors Finish, Add	546.48	
08 91	16 00-0126	EA	60" Wide x 36" High Adjustable Intake Louver, Galvanized Aluminum.....	1,377.21	118.01
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	114.12	
			For Clear Lacquer Finish, Add	228.24	
			For Baked Enamel Standard Colors, Add	342.36	
			For Anodized Finish, Add	456.48	
			For Kynar™ Standard Colors Finish, Add	627.66	
08 91	16 00-0127	EA	60" Wide x 42" High Adjustable Intake Louver, Galvanized Aluminum.....	1,523.13	123.77
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	127.56	
			For Clear Lacquer Finish, Add	255.12	
			For Baked Enamel Standard Colors, Add	382.68	
			For Anodized Finish, Add	510.24	
			For Kynar™ Standard Colors Finish, Add	701.58	
08 91	16 00-0128	EA	60" Wide x 48" High Adjustable Intake Louver, Galvanized Aluminum.....	1,719.20	132.40
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	145.44	
			For Clear Lacquer Finish, Add	290.88	
			For Baked Enamel Standard Colors, Add	436.32	
			For Anodized Finish, Add	581.76	
			For Kynar™ Standard Colors Finish, Add	799.92	
08 91	16 00-0129	EA	60" Wide x 54" High Adjustable Intake Louver, Galvanized Aluminum.....	1,902.67	141.03
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	162.06	
			For Clear Lacquer Finish, Add	324.12	
			For Baked Enamel Standard Colors, Add	486.18	
			For Anodized Finish, Add	648.24	
			For Kynar™ Standard Colors Finish, Add	891.33	
08 91	16 00-0130	EA	60" Wide x 60" High Adjustable Intake Louver, Galvanized Aluminum.....	2,047.14	149.67
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	174.78	
			For Clear Lacquer Finish, Add	349.56	
			For Baked Enamel Standard Colors, Add	524.34	
			For Anodized Finish, Add	699.12	
			For Kynar™ Standard Colors Finish, Add	961.29	



Openings	08
Louvers And Vents	08 90
Louvers	08 91

08

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 16 00-0131	EA		60" Wide x 66" High Adjustable Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. Excludes actuator.	2,189.21	158.30
			<i>For Flange Frame, Add</i>	187.26	
			<i>For Clear Lacquer Finish, Add</i>	374.52	
			<i>For Baked Enamel Standard Colors, Add</i>	561.78	
			<i>For Anodized Finish, Add</i>	749.04	
			<i>For Kynar™ Standard Colors Finish, Add</i>	1,029.93	
08 91 16 00-0132	EA		60" Wide x 72" High Adjustable Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. Excludes actuator.	2,323.72	164.06
			<i>For Flange Frame, Add</i>	199.56	
			<i>For Clear Lacquer Finish, Add</i>	399.12	
			<i>For Baked Enamel Standard Colors, Add</i>	598.68	
			<i>For Anodized Finish, Add</i>	798.24	
			<i>For Kynar™ Standard Colors Finish, Add</i>	1,097.58	
08 91 16 00-0133	EA		60" Wide x 78" High Adjustable Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. Excludes actuator.	2,503.84	169.82
			<i>For Flange Frame, Add</i>	216.42	
			<i>For Clear Lacquer Finish, Add</i>	432.84	
			<i>For Baked Enamel Standard Colors, Add</i>	649.26	
			<i>For Anodized Finish, Add</i>	865.68	
			<i>For Kynar™ Standard Colors Finish, Add</i>	1,190.31	
08 91 16 00-0134	EA		60" Wide x 84" High Adjustable Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. Excludes actuator.	2,649.75	175.58
			<i>For Flange Frame, Add</i>	229.86	
			<i>For Clear Lacquer Finish, Add</i>	459.72	
			<i>For Baked Enamel Standard Colors, Add</i>	689.58	
			<i>For Anodized Finish, Add</i>	919.44	
			<i>For Kynar™ Standard Colors Finish, Add</i>	1,264.23	
08 91 16 00-0135	EA		60" Wide x 90" High Adjustable Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. Excludes actuator.	2,837.06	181.33
			<i>For Flange Frame, Add</i>	247.44	
			<i>For Clear Lacquer Finish, Add</i>	494.88	
			<i>For Baked Enamel Standard Colors, Add</i>	742.32	
			<i>For Anodized Finish, Add</i>	989.76	
			<i>For Kynar™ Standard Colors Finish, Add</i>	1,360.92	
08 91 16 00-0136	EA		60" Wide x 96" High Adjustable Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. Excludes actuator.	2,975.77	187.09
			<i>For Flange Frame, Add</i>	260.16	
			<i>For Clear Lacquer Finish, Add</i>	520.32	
			<i>For Baked Enamel Standard Colors, Add</i>	780.48	
			<i>For Anodized Finish, Add</i>	1,040.64	
			<i>For Kynar™ Standard Colors Finish, Add</i>	1,430.88	
08 91 16 00-0137 Adjustable Intake Wall Louvers Operators (08 91 16)					
08 91 16 00-0138	EA		5' Chain Actuator For Adjustable Intake Louver.....	187.16	28.79
08 91 16 00-0139	EA		Panel Crank For Adjustable Intake Louver	369.83	11.51
08 91 19 Fixed Louvers (08 91)					
08 91 19 00-0001 Fixed Intake Wall Louvers (08 91 19)					
08 91 19 00-0002	EA		12" Wide x 12" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. Excludes actuator.	233.01	25.90
			<i>For Flange Frame, Add</i>	18.12	
			<i>For Clear Lacquer Finish, Add</i>	36.24	
			<i>For Baked Enamel Standard Colors, Add</i>	54.36	
			<i>For Anodized Finish, Add</i>	72.48	
			<i>For Kynar™ Standard Colors Finish, Add</i>	99.66	
08 91 19 00-0003	EA		12" Wide x 18" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. Excludes actuator.	277.52	31.66
			<i>For Flange Frame, Add</i>	21.42	
			<i>For Clear Lacquer Finish, Add</i>	42.84	
			<i>For Baked Enamel Standard Colors, Add</i>	64.26	
			<i>For Anodized Finish, Add</i>	85.68	
			<i>For Kynar™ Standard Colors Finish, Add</i>	117.81	
08 91 19 00-0004	EA		12" Wide x 24" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. Excludes actuator.	322.64	37.42
			<i>For Flange Frame, Add</i>	24.78	
			<i>For Clear Lacquer Finish, Add</i>	49.56	
			<i>For Baked Enamel Standard Colors, Add</i>	74.34	
			<i>For Anodized Finish, Add</i>	99.12	
			<i>For Kynar™ Standard Colors Finish, Add</i>	136.29	
08 91 19 00-0005	EA		12" Wide x 30" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. Excludes actuator.	377.95	43.18
			<i>For Flange Frame, Add</i>	29.16	
			<i>For Clear Lacquer Finish, Add</i>	58.32	
			<i>For Baked Enamel Standard Colors, Add</i>	87.48	
			<i>For Anodized Finish, Add</i>	116.64	
			<i>For Kynar™ Standard Colors Finish, Add</i>	160.38	

08	Openings
08 90	Louvers And Vents
08 91	Louvers



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 19 00-0006 EA 12" Wide x 36" High Fixed Intake Louver, Galvanized Aluminum.....	425.47	48.93
Note: Includes bird screen. Excludes actuator.		
For Flange Frame, Add	32.76	
For Clear Lacquer Finish, Add	65.52	
For Baked Enamel Standard Colors, Add	98.28	
For Anodized Finish, Add	131.04	
For Kynar™ Standard Colors Finish, Add	180.18	
08 91 19 00-0007 EA 12" Wide x 42" High Fixed Intake Louver, Galvanized Aluminum.....	499.37	54.69
Note: Includes bird screen. Excludes actuator.		
For Flange Frame, Add	39.00	
For Clear Lacquer Finish, Add	78.00	
For Baked Enamel Standard Colors, Add	117.00	
For Anodized Finish, Add	156.00	
For Kynar™ Standard Colors Finish, Add	214.50	
08 91 19 00-0008 EA 12" Wide x 48" High Fixed Intake Louver, Galvanized Aluminum.....	542.09	60.45
Note: Includes bird screen. Excludes actuator.		
For Flange Frame, Add	42.12	
For Clear Lacquer Finish, Add	84.24	
For Baked Enamel Standard Colors, Add	126.36	
For Anodized Finish, Add	168.48	
For Kynar™ Standard Colors Finish, Add	231.66	
08 91 19 00-0009 EA 12" Wide x 54" High Fixed Intake Louver, Galvanized Aluminum.....	607.36	69.08
Note: Includes bird screen. Excludes actuator.		
For Flange Frame, Add	46.92	
For Clear Lacquer Finish, Add	93.84	
For Baked Enamel Standard Colors, Add	140.76	
For Anodized Finish, Add	187.68	
For Kynar™ Standard Colors Finish, Add	258.06	
08 91 19 00-0010 EA 12" Wide x 60" High Fixed Intake Louver, Galvanized Aluminum.....	647.07	74.84
Note: Includes bird screen. Excludes actuator.		
For Flange Frame, Add	49.74	
For Clear Lacquer Finish, Add	99.48	
For Baked Enamel Standard Colors, Add	149.22	
For Anodized Finish, Add	198.96	
For Kynar™ Standard Colors Finish, Add	273.57	
08 91 19 00-0011 EA 12" Wide x 66" High Fixed Intake Louver, Galvanized Aluminum.....	699.39	80.59
Note: Includes bird screen. Excludes actuator.		
For Flange Frame, Add	53.82	
For Clear Lacquer Finish, Add	107.64	
For Baked Enamel Standard Colors, Add	161.46	
For Anodized Finish, Add	215.28	
For Kynar™ Standard Colors Finish, Add	296.01	
08 91 19 00-0012 EA 12" Wide x 72" High Fixed Intake Louver, Galvanized Aluminum.....	745.69	86.35
Note: Includes bird screen. Excludes actuator.		
For Flange Frame, Add	57.30	
For Clear Lacquer Finish, Add	114.60	
For Baked Enamel Standard Colors, Add	171.90	
For Anodized Finish, Add	229.20	
For Kynar™ Standard Colors Finish, Add	315.15	
08 91 19 00-0013 EA 12" Wide x 78" High Fixed Intake Louver, Galvanized Aluminum.....	799.81	92.11
Note: Includes bird screen. Excludes actuator.		
For Flange Frame, Add	61.56	
For Clear Lacquer Finish, Add	123.12	
For Baked Enamel Standard Colors, Add	184.68	
For Anodized Finish, Add	246.24	
For Kynar™ Standard Colors Finish, Add	338.58	
08 91 19 00-0014 EA 12" Wide x 84" High Fixed Intake Louver, Galvanized Aluminum.....	850.92	97.87
Note: Includes bird screen. Excludes actuator.		
For Flange Frame, Add	65.52	
For Clear Lacquer Finish, Add	131.04	
For Baked Enamel Standard Colors, Add	196.56	
For Anodized Finish, Add	262.08	
For Kynar™ Standard Colors Finish, Add	360.36	
08 91 19 00-0015 EA 12" Wide x 90" High Fixed Intake Louver, Galvanized Aluminum.....	899.39	106.50
Note: Includes bird screen. Excludes actuator.		
For Flange Frame, Add	68.64	
For Clear Lacquer Finish, Add	137.28	
For Baked Enamel Standard Colors, Add	205.92	
For Anodized Finish, Add	274.56	
For Kynar™ Standard Colors Finish, Add	377.52	
08 91 19 00-0016 EA 12" Wide x 96" High Fixed Intake Louver, Galvanized Aluminum.....	961.66	115.13
Note: Includes bird screen. Excludes actuator.		
For Flange Frame, Add	73.14	
For Clear Lacquer Finish, Add	146.28	
For Baked Enamel Standard Colors, Add	219.42	
For Anodized Finish, Add	292.56	
For Kynar™ Standard Colors Finish, Add	402.27	
08 91 19 00-0017 EA 18" Wide x 12" High Fixed Intake Louver, Galvanized Aluminum.....	272.12	31.66
Note: Includes bird screen. Excludes actuator.		
For Flange Frame, Add	20.88	
For Clear Lacquer Finish, Add	41.76	
For Baked Enamel Standard Colors, Add	62.64	
For Anodized Finish, Add	83.52	
For Kynar™ Standard Colors Finish, Add	114.84	



Openings	08
Louvers And Vents	08 90
Louvers	08 91

08

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91	19 00-0018	EA	18" Wide x 18" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. Excludes actuator.	328.39	40.29
			<i>For Flange Frame, Add</i>	24.78	
			<i>For Clear Lacquer Finish, Add</i>	49.56	
			<i>For Baked Enamel Standard Colors, Add</i>	74.34	
			<i>For Anodized Finish, Add</i>	99.12	
			<i>For Kynar™ Standard Colors Finish, Add</i>	136.29	
08 91	19 00-0019	EA	18" Wide x 24" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. Excludes actuator.	380.11	46.05
			<i>For Flange Frame, Add</i>	28.80	
			<i>For Clear Lacquer Finish, Add</i>	57.60	
			<i>For Baked Enamel Standard Colors, Add</i>	86.40	
			<i>For Anodized Finish, Add</i>	115.20	
			<i>For Kynar™ Standard Colors Finish, Add</i>	158.40	
08 91	19 00-0020	EA	18" Wide x 30" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. Excludes actuator.	476.33	57.56
			<i>For Flange Frame, Add</i>	36.12	
			<i>For Clear Lacquer Finish, Add</i>	72.24	
			<i>For Baked Enamel Standard Colors, Add</i>	108.36	
			<i>For Anodized Finish, Add</i>	144.48	
			<i>For Kynar™ Standard Colors Finish, Add</i>	198.66	
08 91	19 00-0021	EA	18" Wide x 36" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. Excludes actuator.	544.24	63.32
			<i>For Flange Frame, Add</i>	41.76	
			<i>For Clear Lacquer Finish, Add</i>	83.52	
			<i>For Baked Enamel Standard Colors, Add</i>	125.28	
			<i>For Anodized Finish, Add</i>	167.04	
			<i>For Kynar™ Standard Colors Finish, Add</i>	229.68	
08 91	19 00-0022	EA	18" Wide x 42" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. Excludes actuator.	604.96	69.08
			<i>For Flange Frame, Add</i>	46.68	
			<i>For Clear Lacquer Finish, Add</i>	93.36	
			<i>For Baked Enamel Standard Colors, Add</i>	140.04	
			<i>For Anodized Finish, Add</i>	186.72	
			<i>For Kynar™ Standard Colors Finish, Add</i>	256.74	
08 91	19 00-0023	EA	18" Wide x 48" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. Excludes actuator.	649.47	74.84
			<i>For Flange Frame, Add</i>	49.98	
			<i>For Clear Lacquer Finish, Add</i>	99.96	
			<i>For Baked Enamel Standard Colors, Add</i>	149.94	
			<i>For Anodized Finish, Add</i>	199.92	
			<i>For Kynar™ Standard Colors Finish, Add</i>	274.89	
08 91	19 00-0024	EA	18" Wide x 54" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. Excludes actuator.	723.14	83.47
			<i>For Flange Frame, Add</i>	55.62	
			<i>For Clear Lacquer Finish, Add</i>	111.24	
			<i>For Baked Enamel Standard Colors, Add</i>	166.86	
			<i>For Anodized Finish, Add</i>	222.48	
			<i>For Kynar™ Standard Colors Finish, Add</i>	305.91	
08 91	19 00-0025	EA	18" Wide x 60" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. Excludes actuator.	777.01	92.11
			<i>For Flange Frame, Add</i>	59.28	
			<i>For Clear Lacquer Finish, Add</i>	118.56	
			<i>For Baked Enamel Standard Colors, Add</i>	177.84	
			<i>For Anodized Finish, Add</i>	237.12	
			<i>For Kynar™ Standard Colors Finish, Add</i>	326.04	
08 91	19 00-0026	EA	18" Wide x 66" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. Excludes actuator.	842.52	97.87
			<i>For Flange Frame, Add</i>	64.68	
			<i>For Clear Lacquer Finish, Add</i>	129.36	
			<i>For Baked Enamel Standard Colors, Add</i>	194.04	
			<i>For Anodized Finish, Add</i>	258.72	
			<i>For Kynar™ Standard Colors Finish, Add</i>	355.74	
08 91	19 00-0027	EA	18" Wide x 72" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. Excludes actuator.	893.64	103.61
			<i>For Flange Frame, Add</i>	68.64	
			<i>For Clear Lacquer Finish, Add</i>	137.28	
			<i>For Baked Enamel Standard Colors, Add</i>	205.92	
			<i>For Anodized Finish, Add</i>	274.56	
			<i>For Kynar™ Standard Colors Finish, Add</i>	377.52	
08 91	19 00-0028	EA	18" Wide x 78" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. Excludes actuator.	950.15	109.37
			<i>For Flange Frame, Add</i>	73.14	
			<i>For Clear Lacquer Finish, Add</i>	146.28	
			<i>For Baked Enamel Standard Colors, Add</i>	219.42	
			<i>For Anodized Finish, Add</i>	292.56	
			<i>For Kynar™ Standard Colors Finish, Add</i>	402.27	
08 91	19 00-0029	EA	18" Wide x 84" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. Excludes actuator.	1,009.06	115.13
			<i>For Flange Frame, Add</i>	77.88	
			<i>For Clear Lacquer Finish, Add</i>	155.76	
			<i>For Baked Enamel Standard Colors, Add</i>	233.64	
			<i>For Anodized Finish, Add</i>	311.52	
			<i>For Kynar™ Standard Colors Finish, Add</i>	428.34	

08	Openings
08 90	Louvers And Vents
08 91	Louvers



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 19 00-0030 EA 18" Wide x 90" High Fixed Intake Louver, Galvanized Aluminum.....	1,064.13	123.77
Note: Includes bird screen. Excludes actuator.		
For Flange Frame, Add	81.66	
For Clear Lacquer Finish, Add	163.32	
For Baked Enamel Standard Colors, Add	244.98	
For Anodized Finish, Add	326.64	
For Kynar™ Standard Colors Finish, Add	449.13	
08 91 19 00-0031 EA 18" Wide x 96" High Fixed Intake Louver, Galvanized Aluminum.....	1,137.80	132.40
Note: Includes bird screen. Excludes actuator.		
For Flange Frame, Add	87.30	
For Clear Lacquer Finish, Add	174.60	
For Baked Enamel Standard Colors, Add	261.90	
For Anodized Finish, Add	349.20	
For Kynar™ Standard Colors Finish, Add	480.15	
08 91 19 00-0032 EA 24" Wide x 12" High Fixed Intake Louver, Galvanized Aluminum.....	315.44	37.42
Note: Includes bird screen. Excludes actuator.		
For Flange Frame, Add	24.06	
For Clear Lacquer Finish, Add	48.12	
For Baked Enamel Standard Colors, Add	72.18	
For Anodized Finish, Add	96.24	
For Kynar™ Standard Colors Finish, Add	132.33	
08 91 19 00-0033 EA 24" Wide x 18" High Fixed Intake Louver, Galvanized Aluminum.....	377.11	46.05
Note: Includes bird screen. Excludes actuator.		
For Flange Frame, Add	28.50	
For Clear Lacquer Finish, Add	57.00	
For Baked Enamel Standard Colors, Add	85.50	
For Anodized Finish, Add	114.00	
For Kynar™ Standard Colors Finish, Add	156.75	
08 91 19 00-0034 EA 24" Wide x 24" High Fixed Intake Louver, Galvanized Aluminum.....	465.17	54.69
Note: Includes bird screen. Excludes actuator.		
For Flange Frame, Add	35.58	
For Clear Lacquer Finish, Add	71.16	
For Baked Enamel Standard Colors, Add	106.74	
For Anodized Finish, Add	142.32	
For Kynar™ Standard Colors Finish, Add	195.69	
08 91 19 00-0035 EA 24" Wide x 30" High Fixed Intake Louver, Galvanized Aluminum.....	550.00	66.20
Note: Includes bird screen. Excludes actuator.		
For Flange Frame, Add	41.76	
For Clear Lacquer Finish, Add	83.52	
For Baked Enamel Standard Colors, Add	125.28	
For Anodized Finish, Add	167.04	
For Kynar™ Standard Colors Finish, Add	229.68	
08 91 19 00-0036 EA 24" Wide x 36" High Fixed Intake Louver, Galvanized Aluminum.....	626.32	71.95
Note: Includes bird screen. Excludes actuator.		
For Flange Frame, Add	48.24	
For Clear Lacquer Finish, Add	96.48	
For Baked Enamel Standard Colors, Add	144.72	
For Anodized Finish, Add	192.96	
For Kynar™ Standard Colors Finish, Add	265.32	
08 91 19 00-0037 EA 24" Wide x 42" High Fixed Intake Louver, Galvanized Aluminum.....	697.23	77.71
Note: Includes bird screen. Excludes actuator.		
For Flange Frame, Add	54.18	
For Clear Lacquer Finish, Add	108.36	
For Baked Enamel Standard Colors, Add	162.54	
For Anodized Finish, Add	216.72	
For Kynar™ Standard Colors Finish, Add	297.99	
08 91 19 00-0038 EA 24" Wide x 48" High Fixed Intake Louver, Galvanized Aluminum.....	759.49	86.35
Note: Includes bird screen. Excludes actuator.		
For Flange Frame, Add	58.68	
For Clear Lacquer Finish, Add	117.36	
For Baked Enamel Standard Colors, Add	176.04	
For Anodized Finish, Add	234.72	
For Kynar™ Standard Colors Finish, Add	322.74	
08 91 19 00-0039 EA 24" Wide x 54" High Fixed Intake Louver, Galvanized Aluminum.....	842.52	97.87
Note: Includes bird screen. Excludes actuator.		
For Flange Frame, Add	64.68	
For Clear Lacquer Finish, Add	129.36	
For Baked Enamel Standard Colors, Add	194.04	
For Anodized Finish, Add	258.72	
For Kynar™ Standard Colors Finish, Add	355.74	
08 91 19 00-0040 EA 24" Wide x 60" High Fixed Intake Louver, Galvanized Aluminum.....	896.04	103.61
Note: Includes bird screen. Excludes actuator.		
For Flange Frame, Add	68.88	
For Clear Lacquer Finish, Add	137.76	
For Baked Enamel Standard Colors, Add	206.64	
For Anodized Finish, Add	275.52	
For Kynar™ Standard Colors Finish, Add	378.84	
08 91 19 00-0041 EA 24" Wide x 66" High Fixed Intake Louver, Galvanized Aluminum.....	985.66	115.13
Note: Includes bird screen. Excludes actuator.		
For Flange Frame, Add	75.54	
For Clear Lacquer Finish, Add	151.08	
For Baked Enamel Standard Colors, Add	226.62	
For Anodized Finish, Add	302.16	
For Kynar™ Standard Colors Finish, Add	415.47	



Openings	08
Louvers And Vents	08 90
Louvers	08 91

08

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 19 00-0042 EA 24" Wide x 72" High Fixed Intake Louver, Galvanized Aluminum.....	1,040.97	120.89
Note: Includes bird screen. Excludes actuator.		
For Flange Frame, Add	79.92	
For Clear Lacquer Finish, Add	159.84	
For Baked Enamel Standard Colors, Add	239.76	
For Anodized Finish, Add	319.68	
For Kynar™ Standard Colors Finish, Add	439.56	
08 91 19 00-0043 EA 24" Wide x 78" High Fixed Intake Louver, Galvanized Aluminum.....	1,111.29	126.64
Note: Includes bird screen. Excludes actuator.		
For Flange Frame, Add	85.80	
For Clear Lacquer Finish, Add	171.60	
For Baked Enamel Standard Colors, Add	257.40	
For Anodized Finish, Add	343.20	
For Kynar™ Standard Colors Finish, Add	471.90	
08 91 19 00-0044 EA 24" Wide x 84" High Fixed Intake Louver, Galvanized Aluminum.....	1,180.40	132.40
Note: Includes bird screen. Excludes actuator.		
For Flange Frame, Add	91.56	
For Clear Lacquer Finish, Add	183.12	
For Baked Enamel Standard Colors, Add	274.68	
For Anodized Finish, Add	366.24	
For Kynar™ Standard Colors Finish, Add	503.58	
08 91 19 00-0045 EA 24" Wide x 90" High Fixed Intake Louver, Galvanized Aluminum.....	1,236.67	141.03
Note: Includes bird screen. Excludes actuator.		
For Flange Frame, Add	95.46	
For Clear Lacquer Finish, Add	190.92	
For Baked Enamel Standard Colors, Add	286.38	
For Anodized Finish, Add	381.84	
For Kynar™ Standard Colors Finish, Add	525.03	
08 91 19 00-0046 EA 24" Wide x 96" High Fixed Intake Louver, Galvanized Aluminum.....	1,324.74	149.67
Note: Includes bird screen. Excludes actuator.		
For Flange Frame, Add	102.54	
For Clear Lacquer Finish, Add	205.08	
For Baked Enamel Standard Colors, Add	307.62	
For Anodized Finish, Add	410.16	
For Kynar™ Standard Colors Finish, Add	563.97	
08 91 19 00-0047 EA 30" Wide x 12" High Fixed Intake Louver, Galvanized Aluminum.....	354.55	43.18
Note: Includes bird screen. Excludes actuator.		
For Flange Frame, Add	26.82	
For Clear Lacquer Finish, Add	53.64	
For Baked Enamel Standard Colors, Add	80.46	
For Anodized Finish, Add	107.28	
For Kynar™ Standard Colors Finish, Add	147.51	
08 91 19 00-0048 EA 30" Wide x 18" High Fixed Intake Louver, Galvanized Aluminum.....	460.13	57.56
Note: Includes bird screen. Excludes actuator.		
For Flange Frame, Add	34.50	
For Clear Lacquer Finish, Add	69.00	
For Baked Enamel Standard Colors, Add	103.50	
For Anodized Finish, Add	138.00	
For Kynar™ Standard Colors Finish, Add	189.75	
08 91 19 00-0049 EA 30" Wide x 24" High Fixed Intake Louver, Galvanized Aluminum.....	536.20	66.20
Note: Includes bird screen. Excludes actuator.		
For Flange Frame, Add	40.38	
For Clear Lacquer Finish, Add	80.76	
For Baked Enamel Standard Colors, Add	121.14	
For Anodized Finish, Add	161.52	
For Kynar™ Standard Colors Finish, Add	222.09	
08 91 19 00-0050 EA 30" Wide x 30" High Fixed Intake Louver, Galvanized Aluminum.....	623.67	74.84
Note: Includes bird screen. Excludes actuator.		
For Flange Frame, Add	47.40	
For Clear Lacquer Finish, Add	94.80	
For Baked Enamel Standard Colors, Add	142.20	
For Anodized Finish, Add	189.60	
For Kynar™ Standard Colors Finish, Add	260.70	
08 91 19 00-0051 EA 30" Wide x 36" High Fixed Intake Louver, Galvanized Aluminum.....	714.39	80.59
Note: Includes bird screen. Excludes actuator.		
For Flange Frame, Add	55.32	
For Clear Lacquer Finish, Add	110.64	
For Baked Enamel Standard Colors, Add	165.96	
For Anodized Finish, Add	221.28	
For Kynar™ Standard Colors Finish, Add	304.26	
08 91 19 00-0052 EA 30" Wide x 42" High Fixed Intake Louver, Galvanized Aluminum.....	794.05	89.22
Note: Includes bird screen. Excludes actuator.		
For Flange Frame, Add	61.56	
For Clear Lacquer Finish, Add	123.12	
For Baked Enamel Standard Colors, Add	184.68	
For Anodized Finish, Add	246.24	
For Kynar™ Standard Colors Finish, Add	338.58	
08 91 19 00-0053 EA 30" Wide x 48" High Fixed Intake Louver, Galvanized Aluminum.....	852.96	94.98
Note: Includes bird screen. Excludes actuator.		
For Flange Frame, Add	66.30	
For Clear Lacquer Finish, Add	132.60	
For Baked Enamel Standard Colors, Add	198.90	
For Anodized Finish, Add	265.20	
For Kynar™ Standard Colors Finish, Add	364.65	

08	Openings
08 90	Louvers And Vents
08 91	Louvers



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 19 00-0054 EA 30" Wide x 54" High Fixed Intake Louver, Galvanized Aluminum.....	936.24	103.61
Note: Includes bird screen. Excludes actuator.		
For Flange Frame, Add	72.90	
For Clear Lacquer Finish, Add	145.80	
For Baked Enamel Standard Colors, Add	218.70	
For Anodized Finish, Add	291.60	
For Kynar™ Standard Colors Finish, Add	400.95	
08 91 19 00-0055 EA 30" Wide x 60" High Fixed Intake Louver, Galvanized Aluminum.....	1,001.75	109.37
Note: Includes bird screen. Excludes actuator.		
For Flange Frame, Add	78.30	
For Clear Lacquer Finish, Add	156.60	
For Baked Enamel Standard Colors, Add	234.90	
For Anodized Finish, Add	313.20	
For Kynar™ Standard Colors Finish, Add	430.65	
08 91 19 00-0056 EA 30" Wide x 66" High Fixed Intake Louver, Galvanized Aluminum.....	1,103.97	120.89
Note: Includes bird screen. Excludes actuator.		
For Flange Frame, Add	86.22	
For Clear Lacquer Finish, Add	172.44	
For Baked Enamel Standard Colors, Add	258.66	
For Anodized Finish, Add	344.88	
For Kynar™ Standard Colors Finish, Add	474.21	
08 91 19 00-0057 EA 30" Wide x 72" High Fixed Intake Louver, Galvanized Aluminum.....	1,170.44	129.53
Note: Includes bird screen. Excludes actuator.		
For Flange Frame, Add	91.14	
For Clear Lacquer Finish, Add	182.28	
For Baked Enamel Standard Colors, Add	273.42	
For Anodized Finish, Add	364.56	
For Kynar™ Standard Colors Finish, Add	501.27	
08 91 19 00-0058 EA 30" Wide x 78" High Fixed Intake Louver, Galvanized Aluminum.....	1,244.96	135.27
Note: Includes bird screen. Excludes actuator.		
For Flange Frame, Add	97.44	
For Clear Lacquer Finish, Add	194.88	
For Baked Enamel Standard Colors, Add	292.32	
For Anodized Finish, Add	389.76	
For Kynar™ Standard Colors Finish, Add	535.92	
08 91 19 00-0059 EA 30" Wide x 84" High Fixed Intake Louver, Galvanized Aluminum.....	1,318.87	141.03
Note: Includes bird screen. Excludes actuator.		
For Flange Frame, Add	103.68	
For Clear Lacquer Finish, Add	207.36	
For Baked Enamel Standard Colors, Add	311.04	
For Anodized Finish, Add	414.72	
For Kynar™ Standard Colors Finish, Add	570.24	
08 91 19 00-0060 EA 30" Wide x 90" High Fixed Intake Louver, Galvanized Aluminum.....	1,384.14	149.67
Note: Includes bird screen. Excludes actuator.		
For Flange Frame, Add	108.48	
For Clear Lacquer Finish, Add	216.96	
For Baked Enamel Standard Colors, Add	325.44	
For Anodized Finish, Add	433.92	
For Kynar™ Standard Colors Finish, Add	596.64	
08 91 19 00-0061 EA 30" Wide x 96" High Fixed Intake Louver, Galvanized Aluminum.....	1,483.01	158.30
Note: Includes bird screen. Excludes actuator.		
For Flange Frame, Add	116.64	
For Clear Lacquer Finish, Add	233.28	
For Baked Enamel Standard Colors, Add	349.92	
For Anodized Finish, Add	466.56	
For Kynar™ Standard Colors Finish, Add	641.52	
08 91 19 00-0062 EA 36" Wide x 12" High Fixed Intake Louver, Galvanized Aluminum.....	394.27	48.93
Note: Includes bird screen. Excludes actuator.		
For Flange Frame, Add	29.64	
For Clear Lacquer Finish, Add	59.28	
For Baked Enamel Standard Colors, Add	88.92	
For Anodized Finish, Add	118.56	
For Kynar™ Standard Colors Finish, Add	163.02	
08 91 19 00-0063 EA 36" Wide x 18" High Fixed Intake Louver, Galvanized Aluminum.....	516.64	63.32
Note: Includes bird screen. Excludes actuator.		
For Flange Frame, Add	39.00	
For Clear Lacquer Finish, Add	78.00	
For Baked Enamel Standard Colors, Add	117.00	
For Anodized Finish, Add	156.00	
For Kynar™ Standard Colors Finish, Add	214.50	
08 91 19 00-0064 EA 36" Wide x 24" High Fixed Intake Louver, Galvanized Aluminum.....	596.32	71.95
Note: Includes bird screen. Excludes actuator.		
For Flange Frame, Add	45.24	
For Clear Lacquer Finish, Add	90.48	
For Baked Enamel Standard Colors, Add	135.72	
For Anodized Finish, Add	180.96	
For Kynar™ Standard Colors Finish, Add	248.82	
08 91 19 00-0065 EA 36" Wide x 30" High Fixed Intake Louver, Galvanized Aluminum.....	689.79	80.59
Note: Includes bird screen. Excludes actuator.		
For Flange Frame, Add	52.86	
For Clear Lacquer Finish, Add	105.72	
For Baked Enamel Standard Colors, Add	158.58	
For Anodized Finish, Add	211.44	
For Kynar™ Standard Colors Finish, Add	290.73	



Openings	08
Louvers And Vents	08 90
Louvers	08 91

08

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 19 00-0066 EA 36" Wide x 36" High Fixed Intake Louver, Galvanized Aluminum.....	792.40	87.50
Note: Includes bird screen.		
For Flange Frame, Add	61.74	
For Clear Lacquer Finish, Add	123.48	
For Baked Enamel Standard Colors, Add	185.22	
For Anodized Finish, Add	246.96	
For Kynar™ Standard Colors Finish, Add	339.57	
08 91 19 00-0067 EA 36" Wide x 42" High Fixed Intake Louver, Galvanized Aluminum.....	873.96	94.98
Note: Includes bird screen.		
For Flange Frame, Add	68.40	
For Clear Lacquer Finish, Add	136.80	
For Baked Enamel Standard Colors, Add	205.20	
For Anodized Finish, Add	273.60	
For Kynar™ Standard Colors Finish, Add	376.20	
08 91 19 00-0068 EA 36" Wide x 48" High Fixed Intake Louver, Galvanized Aluminum.....	943.68	100.74
Note: Includes bird screen.		
For Flange Frame, Add	74.22	
For Clear Lacquer Finish, Add	148.44	
For Baked Enamel Standard Colors, Add	222.66	
For Anodized Finish, Add	296.88	
For Kynar™ Standard Colors Finish, Add	408.21	
08 91 19 00-0069 EA 36" Wide x 54" High Fixed Intake Louver, Galvanized Aluminum.....	1,037.75	109.37
Note: Includes bird screen.		
For Flange Frame, Add	81.90	
For Clear Lacquer Finish, Add	163.80	
For Baked Enamel Standard Colors, Add	245.70	
For Anodized Finish, Add	327.60	
For Kynar™ Standard Colors Finish, Add	450.45	
08 91 19 00-0070 EA 36" Wide x 60" High Fixed Intake Louver, Galvanized Aluminum.....	1,110.81	118.01
Note: Includes bird screen.		
For Flange Frame, Add	87.48	
For Clear Lacquer Finish, Add	174.96	
For Baked Enamel Standard Colors, Add	262.44	
For Anodized Finish, Add	349.92	
For Kynar™ Standard Colors Finish, Add	481.14	
08 91 19 00-0071 EA 36" Wide x 66" High Fixed Intake Louver, Galvanized Aluminum.....	1,222.29	126.64
Note: Includes bird screen.		
For Flange Frame, Add	96.90	
For Clear Lacquer Finish, Add	193.80	
For Baked Enamel Standard Colors, Add	290.70	
For Anodized Finish, Add	387.60	
For Kynar™ Standard Colors Finish, Add	532.95	
08 91 19 00-0072 EA 36" Wide x 72" High Fixed Intake Louver, Galvanized Aluminum.....	1,298.36	135.27
Note: Includes bird screen.		
For Flange Frame, Add	102.78	
For Clear Lacquer Finish, Add	205.56	
For Baked Enamel Standard Colors, Add	308.34	
For Anodized Finish, Add	411.12	
For Kynar™ Standard Colors Finish, Add	565.29	
08 91 19 00-0073 EA 36" Wide x 78" High Fixed Intake Louver, Galvanized Aluminum.....	1,377.67	141.03
Note: Includes bird screen.		
For Flange Frame, Add	109.56	
For Clear Lacquer Finish, Add	219.12	
For Baked Enamel Standard Colors, Add	328.68	
For Anodized Finish, Add	438.24	
For Kynar™ Standard Colors Finish, Add	602.58	
08 91 19 00-0074 EA 36" Wide x 84" High Fixed Intake Louver, Galvanized Aluminum.....	1,459.98	146.79
Note: Includes bird screen.		
For Flange Frame, Add	116.64	
For Clear Lacquer Finish, Add	233.28	
For Baked Enamel Standard Colors, Add	349.92	
For Anodized Finish, Add	466.56	
For Kynar™ Standard Colors Finish, Add	641.52	
08 91 19 00-0075 EA 36" Wide x 90" High Fixed Intake Louver, Galvanized Aluminum.....	1,533.65	155.43
Note: Includes bird screen.		
For Flange Frame, Add	122.28	
For Clear Lacquer Finish, Add	244.56	
For Baked Enamel Standard Colors, Add	366.84	
For Anodized Finish, Add	489.12	
For Kynar™ Standard Colors Finish, Add	672.54	
08 91 19 00-0076 EA 36" Wide x 96" High Fixed Intake Louver, Galvanized Aluminum.....	1,644.52	164.06
Note: Includes bird screen.		
For Flange Frame, Add	131.64	
For Clear Lacquer Finish, Add	263.28	
For Baked Enamel Standard Colors, Add	394.92	
For Anodized Finish, Add	526.56	
For Kynar™ Standard Colors Finish, Add	724.02	
08 91 19 00-0077 EA 42" Wide x 12" High Fixed Intake Louver, Galvanized Aluminum.....	456.77	54.69
Note: Includes bird screen.		
For Flange Frame, Add	34.74	
For Clear Lacquer Finish, Add	69.48	
For Baked Enamel Standard Colors, Add	104.22	
For Anodized Finish, Add	138.96	
For Kynar™ Standard Colors Finish, Add	191.07	

08	Openings
08 90	Louvers And Vents
08 91	Louvers



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91	19 00-0078	EA	42" Wide x 18" High Fixed Intake Louver, Galvanized Aluminum.....	561.76	69.08
			Note: Includes bird screen.		
			For Flange Frame, Add	42.36	
			For Clear Lacquer Finish, Add	84.72	
			For Baked Enamel Standard Colors, Add	127.08	
			For Anodized Finish, Add	169.44	
			For Kynar™ Standard Colors Finish, Add	232.98	
08 91	19 00-0079	EA	42" Wide x 24" High Fixed Intake Louver, Galvanized Aluminum.....	649.23	77.71
			Note: Includes bird screen.		
			For Flange Frame, Add	49.38	
			For Clear Lacquer Finish, Add	98.76	
			For Baked Enamel Standard Colors, Add	148.14	
			For Anodized Finish, Add	197.52	
			For Kynar™ Standard Colors Finish, Add	271.59	
08 91	19 00-0080	EA	42" Wide x 30" High Fixed Intake Louver, Galvanized Aluminum.....	758.05	89.22
			Note: Includes bird screen.		
			For Flange Frame, Add	57.96	
			For Clear Lacquer Finish, Add	115.92	
			For Baked Enamel Standard Colors, Add	173.88	
			For Anodized Finish, Add	231.84	
			For Kynar™ Standard Colors Finish, Add	318.78	
08 91	19 00-0081	EA	42" Wide x 36" High Fixed Intake Louver, Galvanized Aluminum.....	867.96	94.98
			Note: Includes bird screen.		
			For Flange Frame, Add	67.80	
			For Clear Lacquer Finish, Add	135.60	
			For Baked Enamel Standard Colors, Add	203.40	
			For Anodized Finish, Add	271.20	
			For Kynar™ Standard Colors Finish, Add	372.90	
08 91	19 00-0082	EA	42" Wide x 42" High Fixed Intake Louver, Galvanized Aluminum.....	956.88	100.74
			Note: Includes bird screen.		
			For Flange Frame, Add	75.54	
			For Clear Lacquer Finish, Add	151.08	
			For Baked Enamel Standard Colors, Add	226.62	
			For Anodized Finish, Add	302.16	
			For Kynar™ Standard Colors Finish, Add	415.47	
08 91	19 00-0083	EA	42" Wide x 48" High Fixed Intake Louver, Galvanized Aluminum.....	1,034.39	106.50
			Note: Includes bird screen.		
			For Flange Frame, Add	82.14	
			For Clear Lacquer Finish, Add	164.28	
			For Baked Enamel Standard Colors, Add	246.42	
			For Anodized Finish, Add	328.56	
			For Kynar™ Standard Colors Finish, Add	451.77	
08 91	19 00-0084	EA	42" Wide x 54" High Fixed Intake Louver, Galvanized Aluminum.....	1,128.46	115.13
			Note: Includes bird screen.		
			For Flange Frame, Add	89.82	
			For Clear Lacquer Finish, Add	179.64	
			For Baked Enamel Standard Colors, Add	269.46	
			For Anodized Finish, Add	359.28	
			For Kynar™ Standard Colors Finish, Add	494.01	
08 91	19 00-0085	EA	42" Wide x 60" High Fixed Intake Louver, Galvanized Aluminum.....	1,209.93	123.77
			Note: Includes bird screen.		
			For Flange Frame, Add	96.24	
			For Clear Lacquer Finish, Add	192.48	
			For Baked Enamel Standard Colors, Add	288.72	
			For Anodized Finish, Add	384.96	
			For Kynar™ Standard Colors Finish, Add	529.32	
08 91	19 00-0086	EA	42" Wide x 66" High Fixed Intake Louver, Galvanized Aluminum.....	1,332.80	132.40
			Note: Includes bird screen.		
			For Flange Frame, Add	106.80	
			For Clear Lacquer Finish, Add	213.60	
			For Baked Enamel Standard Colors, Add	320.40	
			For Anodized Finish, Add	427.20	
			For Kynar™ Standard Colors Finish, Add	587.40	
08 91	19 00-0087	EA	42" Wide x 72" High Fixed Intake Louver, Galvanized Aluminum.....	1,414.27	141.03
			Note: Includes bird screen.		
			For Flange Frame, Add	113.22	
			For Clear Lacquer Finish, Add	226.44	
			For Baked Enamel Standard Colors, Add	339.66	
			For Anodized Finish, Add	452.88	
			For Kynar™ Standard Colors Finish, Add	622.71	
08 91	19 00-0088	EA	42" Wide x 78" High Fixed Intake Louver, Galvanized Aluminum.....	1,503.18	146.79
			Note: Includes bird screen.		
			For Flange Frame, Add	120.96	
			For Clear Lacquer Finish, Add	241.92	
			For Baked Enamel Standard Colors, Add	362.88	
			For Anodized Finish, Add	483.84	
			For Kynar™ Standard Colors Finish, Add	665.28	
08 91	19 00-0089	EA	42" Wide x 84" High Fixed Intake Louver, Galvanized Aluminum.....	1,592.69	152.55
			Note: Includes bird screen.		
			For Flange Frame, Add	128.76	
			For Clear Lacquer Finish, Add	257.52	
			For Baked Enamel Standard Colors, Add	386.28	
			For Anodized Finish, Add	515.04	
			For Kynar™ Standard Colors Finish, Add	708.18	



Openings	08
Louvers And Vents	08 90
Louvers	08 91

08

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 19 00-0090 EA 42" Wide x 90" High Fixed Intake Louver, Galvanized Aluminum.....	1,678.37	161.19
Note: Includes bird screen.		
For Flange Frame, Add	135.60	
For Clear Lacquer Finish, Add	271.20	
For Baked Enamel Standard Colors, Add	406.80	
For Anodized Finish, Add	542.40	
For Kynar™ Standard Colors Finish, Add	745.80	
08 91 19 00-0091 EA 42" Wide x 96" High Fixed Intake Louver, Galvanized Aluminum.....	1,797.04	169.82
Note: Includes bird screen.		
For Flange Frame, Add	145.74	
For Clear Lacquer Finish, Add	291.48	
For Baked Enamel Standard Colors, Add	437.22	
For Anodized Finish, Add	582.96	
For Kynar™ Standard Colors Finish, Add	801.57	
08 91 19 00-0092 EA 48" Wide x 12" High Fixed Intake Louver, Galvanized Aluminum.....	500.09	60.45
Note: Includes bird screen.		
For Flange Frame, Add	37.92	
For Clear Lacquer Finish, Add	75.84	
For Baked Enamel Standard Colors, Add	113.76	
For Anodized Finish, Add	151.68	
For Kynar™ Standard Colors Finish, Add	208.56	
08 91 19 00-0093 EA 48" Wide x 18" High Fixed Intake Louver, Galvanized Aluminum.....	613.47	74.84
Note: Includes bird screen.		
For Flange Frame, Add	46.38	
For Clear Lacquer Finish, Add	92.76	
For Baked Enamel Standard Colors, Add	139.14	
For Anodized Finish, Add	185.52	
For Kynar™ Standard Colors Finish, Add	255.09	
08 91 19 00-0094 EA 48" Wide x 24" High Fixed Intake Louver, Galvanized Aluminum.....	717.49	86.35
Note: Includes bird screen.		
For Flange Frame, Add	54.48	
For Clear Lacquer Finish, Add	108.96	
For Baked Enamel Standard Colors, Add	163.44	
For Anodized Finish, Add	217.92	
For Kynar™ Standard Colors Finish, Add	299.64	
08 91 19 00-0095 EA 48" Wide x 30" High Fixed Intake Louver, Galvanized Aluminum.....	822.36	94.98
Note: Includes bird screen.		
For Flange Frame, Add	63.24	
For Clear Lacquer Finish, Add	126.48	
For Baked Enamel Standard Colors, Add	189.72	
For Anodized Finish, Add	252.96	
For Kynar™ Standard Colors Finish, Add	347.82	
08 91 19 00-0096 EA 48" Wide x 36" High Fixed Intake Louver, Galvanized Aluminum.....	947.28	100.74
Note: Includes bird screen.		
For Flange Frame, Add	74.58	
For Clear Lacquer Finish, Add	149.16	
For Baked Enamel Standard Colors, Add	223.74	
For Anodized Finish, Add	298.32	
For Kynar™ Standard Colors Finish, Add	410.19	
08 91 19 00-0097 EA 48" Wide x 42" High Fixed Intake Louver, Galvanized Aluminum.....	1,049.39	106.50
Note: Includes bird screen.		
For Flange Frame, Add	83.64	
For Clear Lacquer Finish, Add	167.28	
For Baked Enamel Standard Colors, Add	250.92	
For Anodized Finish, Add	334.56	
For Kynar™ Standard Colors Finish, Add	460.02	
08 91 19 00-0098 EA 48" Wide x 48" High Fixed Intake Louver, Galvanized Aluminum.....	1,136.86	115.13
Note: Includes bird screen.		
For Flange Frame, Add	90.66	
For Clear Lacquer Finish, Add	181.32	
For Baked Enamel Standard Colors, Add	271.98	
For Anodized Finish, Add	362.64	
For Kynar™ Standard Colors Finish, Add	498.63	
08 91 19 00-0099 EA 48" Wide x 54" High Fixed Intake Louver, Galvanized Aluminum.....	1,270.53	123.77
Note: Includes bird screen.		
For Flange Frame, Add	102.30	
For Clear Lacquer Finish, Add	204.60	
For Baked Enamel Standard Colors, Add	306.90	
For Anodized Finish, Add	409.20	
For Kynar™ Standard Colors Finish, Add	562.65	
08 91 19 00-0100 EA 48" Wide x 60" High Fixed Intake Louver, Galvanized Aluminum.....	1,332.80	132.40
Note: Includes bird screen.		
For Flange Frame, Add	106.80	
For Clear Lacquer Finish, Add	213.60	
For Baked Enamel Standard Colors, Add	320.40	
For Anodized Finish, Add	427.20	
For Kynar™ Standard Colors Finish, Add	587.40	
08 91 19 00-0101 EA 48" Wide x 66" High Fixed Intake Louver, Galvanized Aluminum.....	1,463.47	141.03
Note: Includes bird screen.		
For Flange Frame, Add	118.14	
For Clear Lacquer Finish, Add	236.28	
For Baked Enamel Standard Colors, Add	354.42	
For Anodized Finish, Add	472.56	
For Kynar™ Standard Colors Finish, Add	649.77	

08	Openings
08 90	Louvers And Vents
08 91	Louvers



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 19 00-0102 EA 48" Wide x 72" High Fixed Intake Louver, Galvanized Aluminum.....	1,556.34	149.67
Note: Includes bird screen.		
For Flange Frame, Add	125.70	
For Clear Lacquer Finish, Add	251.40	
For Baked Enamel Standard Colors, Add	377.10	
For Anodized Finish, Add	502.80	
For Kynar™ Standard Colors Finish, Add	691.35	
08 91 19 00-0103 EA 48" Wide x 78" High Fixed Intake Louver, Galvanized Aluminum.....	1,654.85	155.43
Note: Includes bird screen.		
For Flange Frame, Add	134.40	
For Clear Lacquer Finish, Add	268.80	
For Baked Enamel Standard Colors, Add	403.20	
For Anodized Finish, Add	537.60	
For Kynar™ Standard Colors Finish, Add	739.20	
08 91 19 00-0104 EA 48" Wide x 84" High Fixed Intake Louver, Galvanized Aluminum.....	1,753.37	161.19
Note: Includes bird screen.		
For Flange Frame, Add	143.10	
For Clear Lacquer Finish, Add	286.20	
For Baked Enamel Standard Colors, Add	429.30	
For Anodized Finish, Add	572.40	
For Kynar™ Standard Colors Finish, Add	787.05	
08 91 19 00-0105 EA 48" Wide x 90" High Fixed Intake Louver, Galvanized Aluminum.....	1,836.28	166.94
Note: Includes bird screen.		
For Flange Frame, Add	150.24	
For Clear Lacquer Finish, Add	300.48	
For Baked Enamel Standard Colors, Add	450.72	
For Anodized Finish, Add	600.96	
For Kynar™ Standard Colors Finish, Add	826.32	
08 91 19 00-0106 EA 48" Wide x 96" High Fixed Intake Louver, Galvanized Aluminum.....	1,971.75	175.58
Note: Includes bird screen.		
For Flange Frame, Add	162.06	
For Clear Lacquer Finish, Add	324.12	
For Baked Enamel Standard Colors, Add	486.18	
For Anodized Finish, Add	648.24	
For Kynar™ Standard Colors Finish, Add	891.33	
08 91 19 00-0107 EA 54" Wide x 12" High Fixed Intake Louver, Galvanized Aluminum.....	555.76	69.08
Note: Includes bird screen.		
For Flange Frame, Add	41.76	
For Clear Lacquer Finish, Add	83.52	
For Baked Enamel Standard Colors, Add	125.28	
For Anodized Finish, Add	167.04	
For Kynar™ Standard Colors Finish, Add	229.68	
08 91 19 00-0108 EA 54" Wide x 18" High Fixed Intake Louver, Galvanized Aluminum.....	681.14	83.47
Note: Includes bird screen.		
For Flange Frame, Add	51.42	
For Clear Lacquer Finish, Add	102.84	
For Baked Enamel Standard Colors, Add	154.26	
For Anodized Finish, Add	205.68	
For Kynar™ Standard Colors Finish, Add	282.81	
08 91 19 00-0109 EA 54" Wide x 24" High Fixed Intake Louver, Galvanized Aluminum.....	797.52	97.87
Note: Includes bird screen.		
For Flange Frame, Add	60.18	
For Clear Lacquer Finish, Add	120.36	
For Baked Enamel Standard Colors, Add	180.54	
For Anodized Finish, Add	240.72	
For Kynar™ Standard Colors Finish, Add	330.99	
08 91 19 00-0110 EA 54" Wide x 30" High Fixed Intake Louver, Galvanized Aluminum.....	906.84	103.61
Note: Includes bird screen.		
For Flange Frame, Add	69.96	
For Clear Lacquer Finish, Add	139.92	
For Baked Enamel Standard Colors, Add	209.88	
For Anodized Finish, Add	279.84	
For Kynar™ Standard Colors Finish, Add	384.78	
08 91 19 00-0111 EA 54" Wide x 36" High Fixed Intake Louver, Galvanized Aluminum.....	1,055.15	109.37
Note: Includes bird screen.		
For Flange Frame, Add	83.64	
For Clear Lacquer Finish, Add	167.28	
For Baked Enamel Standard Colors, Add	250.92	
For Anodized Finish, Add	334.56	
For Kynar™ Standard Colors Finish, Add	460.02	
08 91 19 00-0112 EA 54" Wide x 42" High Fixed Intake Louver, Galvanized Aluminum.....	1,159.66	115.13
Note: Includes bird screen.		
For Flange Frame, Add	92.94	
For Clear Lacquer Finish, Add	185.88	
For Baked Enamel Standard Colors, Add	278.82	
For Anodized Finish, Add	371.76	
For Kynar™ Standard Colors Finish, Add	511.17	
08 91 19 00-0113 EA 54" Wide x 48" High Fixed Intake Louver, Galvanized Aluminum.....	1,260.93	123.77
Note: Includes bird screen.		
For Flange Frame, Add	101.34	
For Clear Lacquer Finish, Add	202.68	
For Baked Enamel Standard Colors, Add	304.02	
For Anodized Finish, Add	405.36	
For Kynar™ Standard Colors Finish, Add	557.37	



Openings	08
Louvers And Vents	08 90
Louvers	08 91

08

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 19 00-0114 EA 54" Wide x 54" High Fixed Intake Louver, Galvanized Aluminum.....	1,406.00	132.40
Note: Includes bird screen.		
For Flange Frame, Add	114.12	
For Clear Lacquer Finish, Add	228.24	
For Baked Enamel Standard Colors, Add	342.36	
For Anodized Finish, Add	456.48	
For Kynar™ Standard Colors Finish, Add	627.66	
08 91 19 00-0115 EA 54" Wide x 60" High Fixed Intake Louver, Galvanized Aluminum.....	1,510.27	141.03
Note: Includes bird screen.		
For Flange Frame, Add	122.82	
For Clear Lacquer Finish, Add	245.64	
For Baked Enamel Standard Colors, Add	368.46	
For Anodized Finish, Add	491.28	
For Kynar™ Standard Colors Finish, Add	675.51	
08 91 19 00-0116 EA 54" Wide x 66" High Fixed Intake Louver, Galvanized Aluminum.....	1,661.94	149.67
Note: Includes bird screen.		
For Flange Frame, Add	136.26	
For Clear Lacquer Finish, Add	272.52	
For Baked Enamel Standard Colors, Add	408.78	
For Anodized Finish, Add	545.04	
For Kynar™ Standard Colors Finish, Add	749.43	
08 91 19 00-0117 EA 54" Wide x 72" High Fixed Intake Louver, Galvanized Aluminum.....	1,759.85	155.43
Note: Includes bird screen.		
For Flange Frame, Add	144.90	
For Clear Lacquer Finish, Add	289.80	
For Baked Enamel Standard Colors, Add	434.70	
For Anodized Finish, Add	579.60	
For Kynar™ Standard Colors Finish, Add	796.95	
08 91 19 00-0118 EA 54" Wide x 78" High Fixed Intake Louver, Galvanized Aluminum.....	1,870.97	161.19
Note: Includes bird screen.		
For Flange Frame, Add	154.86	
For Clear Lacquer Finish, Add	309.72	
For Baked Enamel Standard Colors, Add	464.58	
For Anodized Finish, Add	619.44	
For Kynar™ Standard Colors Finish, Add	851.73	
08 91 19 00-0119 EA 54" Wide x 84" High Fixed Intake Louver, Galvanized Aluminum.....	1,977.88	166.94
Note: Includes bird screen.		
For Flange Frame, Add	164.40	
For Clear Lacquer Finish, Add	328.80	
For Baked Enamel Standard Colors, Add	493.20	
For Anodized Finish, Add	657.60	
For Kynar™ Standard Colors Finish, Add	904.20	
08 91 19 00-0120 EA 54" Wide x 90" High Fixed Intake Louver, Galvanized Aluminum.....	2,067.40	172.69
Note: Includes bird screen.		
For Flange Frame, Add	172.20	
For Clear Lacquer Finish, Add	344.40	
For Baked Enamel Standard Colors, Add	516.60	
For Anodized Finish, Add	688.80	
For Kynar™ Standard Colors Finish, Add	947.10	
08 91 19 00-0121 EA 54" Wide x 96" High Fixed Intake Louver, Galvanized Aluminum.....	2,223.86	181.33
Note: Includes bird screen.		
For Flange Frame, Add	186.12	
For Clear Lacquer Finish, Add	372.24	
For Baked Enamel Standard Colors, Add	558.36	
For Anodized Finish, Add	744.48	
For Kynar™ Standard Colors Finish, Add	1,023.66	
08 91 19 00-0122 EA 60" Wide x 12" High Fixed Intake Louver, Galvanized Aluminum.....	597.87	74.84
Note: Includes bird screen.		
For Flange Frame, Add	44.82	
For Clear Lacquer Finish, Add	89.64	
For Baked Enamel Standard Colors, Add	134.46	
For Anodized Finish, Add	179.28	
For Kynar™ Standard Colors Finish, Add	246.51	
08 91 19 00-0123 EA 60" Wide x 18" High Fixed Intake Louver, Galvanized Aluminum.....	737.41	92.11
Note: Includes bird screen.		
For Flange Frame, Add	55.32	
For Clear Lacquer Finish, Add	110.64	
For Baked Enamel Standard Colors, Add	165.96	
For Anodized Finish, Add	221.28	
For Kynar™ Standard Colors Finish, Add	304.26	
08 91 19 00-0124 EA 60" Wide x 24" High Fixed Intake Louver, Galvanized Aluminum.....	854.04	103.61
Note: Includes bird screen.		
For Flange Frame, Add	64.68	
For Clear Lacquer Finish, Add	129.36	
For Baked Enamel Standard Colors, Add	194.04	
For Anodized Finish, Add	258.72	
For Kynar™ Standard Colors Finish, Add	355.74	
08 91 19 00-0125 EA 60" Wide x 30" High Fixed Intake Louver, Galvanized Aluminum.....	979.55	109.37
Note: Includes bird screen.		
For Flange Frame, Add	76.08	
For Clear Lacquer Finish, Add	152.16	
For Baked Enamel Standard Colors, Add	228.24	
For Anodized Finish, Add	304.32	
For Kynar™ Standard Colors Finish, Add	418.44	

08	Openings
08 90	Louvers And Vents
08 91	Louvers



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91	19 00-0126	EA	60" Wide x 36" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen.	1,136.61	118.01
			<i>For Flange Frame, Add</i>	90.06	
			<i>For Clear Lacquer Finish, Add</i>	180.12	
			<i>For Baked Enamel Standard Colors, Add</i>	270.18	
			<i>For Anodized Finish, Add</i>	360.24	
			<i>For Kynar™ Standard Colors Finish, Add</i>	495.33	
08 91	19 00-0127	EA	60" Wide x 42" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen.	1,253.13	123.77
			<i>For Flange Frame, Add</i>	100.56	
			<i>For Clear Lacquer Finish, Add</i>	201.12	
			<i>For Baked Enamel Standard Colors, Add</i>	301.68	
			<i>For Anodized Finish, Add</i>	402.24	
			<i>For Kynar™ Standard Colors Finish, Add</i>	553.08	
08 91	19 00-0128	EA	60" Wide x 48" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen.	1,358.60	132.40
			<i>For Flange Frame, Add</i>	109.38	
			<i>For Clear Lacquer Finish, Add</i>	218.76	
			<i>For Baked Enamel Standard Colors, Add</i>	328.14	
			<i>For Anodized Finish, Add</i>	437.52	
			<i>For Kynar™ Standard Colors Finish, Add</i>	601.59	
08 91	19 00-0129	EA	60" Wide x 54" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen.	1,513.27	141.03
			<i>For Flange Frame, Add</i>	123.12	
			<i>For Clear Lacquer Finish, Add</i>	246.24	
			<i>For Baked Enamel Standard Colors, Add</i>	369.36	
			<i>For Anodized Finish, Add</i>	492.48	
			<i>For Kynar™ Standard Colors Finish, Add</i>	677.16	
08 91	19 00-0130	EA	60" Wide x 60" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen.	1,624.74	149.67
			<i>For Flange Frame, Add</i>	132.54	
			<i>For Clear Lacquer Finish, Add</i>	265.08	
			<i>For Baked Enamel Standard Colors, Add</i>	397.62	
			<i>For Anodized Finish, Add</i>	530.16	
			<i>For Kynar™ Standard Colors Finish, Add</i>	728.97	
08 91	19 00-0131	EA	60" Wide x 66" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen.	1,788.41	158.30
			<i>For Flange Frame, Add</i>	147.18	
			<i>For Clear Lacquer Finish, Add</i>	294.36	
			<i>For Baked Enamel Standard Colors, Add</i>	441.54	
			<i>For Anodized Finish, Add</i>	588.72	
			<i>For Kynar™ Standard Colors Finish, Add</i>	809.49	
08 91	19 00-0132	EA	60" Wide x 72" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen.	1,892.32	164.06
			<i>For Flange Frame, Add</i>	156.42	
			<i>For Clear Lacquer Finish, Add</i>	312.84	
			<i>For Baked Enamel Standard Colors, Add</i>	469.26	
			<i>For Anodized Finish, Add</i>	625.68	
			<i>For Kynar™ Standard Colors Finish, Add</i>	860.31	
08 91	19 00-0133	EA	60" Wide x 78" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen.	2,010.04	169.82
			<i>For Flange Frame, Add</i>	167.04	
			<i>For Clear Lacquer Finish, Add</i>	334.08	
			<i>For Baked Enamel Standard Colors, Add</i>	501.12	
			<i>For Anodized Finish, Add</i>	668.16	
			<i>For Kynar™ Standard Colors Finish, Add</i>	918.72	
08 91	19 00-0134	EA	60" Wide x 84" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen.	2,125.35	175.58
			<i>For Flange Frame, Add</i>	177.42	
			<i>For Clear Lacquer Finish, Add</i>	354.84	
			<i>For Baked Enamel Standard Colors, Add</i>	532.26	
			<i>For Anodized Finish, Add</i>	709.68	
			<i>For Kynar™ Standard Colors Finish, Add</i>	975.81	
08 91	19 00-0135	EA	60" Wide x 90" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen.	2,223.86	181.33
			<i>For Flange Frame, Add</i>	186.12	
			<i>For Clear Lacquer Finish, Add</i>	372.24	
			<i>For Baked Enamel Standard Colors, Add</i>	558.36	
			<i>For Anodized Finish, Add</i>	744.48	
			<i>For Kynar™ Standard Colors Finish, Add</i>	1,023.66	
08 91	19 00-0136	EA	60" Wide x 96" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen.	2,384.77	187.09
			<i>For Flange Frame, Add</i>	201.06	
			<i>For Clear Lacquer Finish, Add</i>	402.12	
			<i>For Baked Enamel Standard Colors, Add</i>	603.18	
			<i>For Anodized Finish, Add</i>	804.24	
			<i>For Kynar™ Standard Colors Finish, Add</i>	1,105.83	
08 91	19 00-0137	EA	66" Wide x 12" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen.	684.39	80.59
			<i>For Flange Frame, Add</i>	52.32	
			<i>For Clear Lacquer Finish, Add</i>	104.64	
			<i>For Baked Enamel Standard Colors, Add</i>	156.96	
			<i>For Anodized Finish, Add</i>	209.28	
			<i>For Kynar™ Standard Colors Finish, Add</i>	287.76	



Openings	08
Louvers And Vents	08 90
Louvers	08 91

08

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91	19 00-0138	EA	66" Wide x 18" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen.	844.92	97.87
			<i>For Flange Frame, Add</i>	64.92	
			<i>For Clear Lacquer Finish, Add</i>	129.84	
			<i>For Baked Enamel Standard Colors, Add</i>	194.76	
			<i>For Anodized Finish, Add</i>	259.68	
			<i>For Kynar™ Standard Colors Finish, Add</i>	357.06	
08 91	19 00-0139	EA	66" Wide x 24" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen.	985.66	115.13
			<i>For Flange Frame, Add</i>	75.54	
			<i>For Clear Lacquer Finish, Add</i>	151.08	
			<i>For Baked Enamel Standard Colors, Add</i>	226.62	
			<i>For Anodized Finish, Add</i>	302.16	
			<i>For Kynar™ Standard Colors Finish, Add</i>	415.47	
08 91	19 00-0140	EA	66" Wide x 30" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen.	1,121.97	120.89
			<i>For Flange Frame, Add</i>	88.02	
			<i>For Clear Lacquer Finish, Add</i>	176.04	
			<i>For Baked Enamel Standard Colors, Add</i>	264.06	
			<i>For Anodized Finish, Add</i>	352.08	
			<i>For Kynar™ Standard Colors Finish, Add</i>	484.11	
08 91	19 00-0141	EA	66" Wide x 36" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen.	1,301.49	126.64
			<i>For Flange Frame, Add</i>	104.82	
			<i>For Clear Lacquer Finish, Add</i>	209.64	
			<i>For Baked Enamel Standard Colors, Add</i>	314.46	
			<i>For Anodized Finish, Add</i>	419.28	
			<i>For Kynar™ Standard Colors Finish, Add</i>	576.51	
08 91	19 00-0142	EA	66" Wide x 42" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen.	1,428.20	132.40
			<i>For Flange Frame, Add</i>	116.34	
			<i>For Clear Lacquer Finish, Add</i>	232.68	
			<i>For Baked Enamel Standard Colors, Add</i>	349.02	
			<i>For Anodized Finish, Add</i>	465.36	
			<i>For Kynar™ Standard Colors Finish, Add</i>	639.87	
08 91	19 00-0143	EA	66" Wide x 48" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen.	1,552.87	141.03
			<i>For Flange Frame, Add</i>	127.08	
			<i>For Clear Lacquer Finish, Add</i>	254.16	
			<i>For Baked Enamel Standard Colors, Add</i>	381.24	
			<i>For Anodized Finish, Add</i>	508.32	
			<i>For Kynar™ Standard Colors Finish, Add</i>	698.94	
08 91	19 00-0144	EA	66" Wide x 54" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen.	1,697.94	149.67
			<i>For Flange Frame, Add</i>	139.86	
			<i>For Clear Lacquer Finish, Add</i>	279.72	
			<i>For Baked Enamel Standard Colors, Add</i>	419.58	
			<i>For Anodized Finish, Add</i>	559.44	
			<i>For Kynar™ Standard Colors Finish, Add</i>	769.23	
08 91	19 00-0145	EA	66" Wide x 60" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen.	1,822.01	158.30
			<i>For Flange Frame, Add</i>	150.54	
			<i>For Clear Lacquer Finish, Add</i>	301.08	
			<i>For Baked Enamel Standard Colors, Add</i>	451.62	
			<i>For Anodized Finish, Add</i>	602.16	
			<i>For Kynar™ Standard Colors Finish, Add</i>	827.97	
08 91	19 00-0146	EA	66" Wide x 66" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen.	2,011.24	169.82
			<i>For Flange Frame, Add</i>	167.16	
			<i>For Clear Lacquer Finish, Add</i>	334.32	
			<i>For Baked Enamel Standard Colors, Add</i>	501.48	
			<i>For Anodized Finish, Add</i>	668.64	
			<i>For Kynar™ Standard Colors Finish, Add</i>	919.38	
08 91	19 00-0147	EA	66" Wide x 72" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen.	2,131.11	178.45
			<i>For Flange Frame, Add</i>	177.42	
			<i>For Clear Lacquer Finish, Add</i>	354.84	
			<i>For Baked Enamel Standard Colors, Add</i>	532.26	
			<i>For Anodized Finish, Add</i>	709.68	
			<i>For Kynar™ Standard Colors Finish, Add</i>	975.81	
08 91	19 00-0148	EA	66" Wide x 78" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen.	2,255.41	184.21
			<i>For Flange Frame, Add</i>	188.70	
			<i>For Clear Lacquer Finish, Add</i>	377.40	
			<i>For Baked Enamel Standard Colors, Add</i>	566.10	
			<i>For Anodized Finish, Add</i>	754.80	
			<i>For Kynar™ Standard Colors Finish, Add</i>	1,037.85	
08 91	19 00-0149	EA	66" Wide x 84" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen.	2,382.13	189.96
			<i>For Flange Frame, Add</i>	200.22	
			<i>For Clear Lacquer Finish, Add</i>	400.44	
			<i>For Baked Enamel Standard Colors, Add</i>	600.66	
			<i>For Anodized Finish, Add</i>	800.88	
			<i>For Kynar™ Standard Colors Finish, Add</i>	1,101.21	

08	Openings
08 90	Louvers And Vents
08 91	Louvers



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91	19 00-0150	EA	66" Wide x 90" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen.	2,492.64	195.72
			<i>For Flange Frame, Add</i>	210.12	
			<i>For Clear Lacquer Finish, Add</i>	420.24	
			<i>For Baked Enamel Standard Colors, Add</i>	630.36	
			<i>For Anodized Finish, Add</i>	840.48	
			<i>For Kynar™ Standard Colors Finish, Add</i>	1,155.66	
08 91	19 00-0151	EA	66" Wide x 96" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen.	2,671.56	201.48
			<i>For Flange Frame, Add</i>	226.86	
			<i>For Clear Lacquer Finish, Add</i>	453.72	
			<i>For Baked Enamel Standard Colors, Add</i>	680.58	
			<i>For Anodized Finish, Add</i>	907.44	
			<i>For Kynar™ Standard Colors Finish, Add</i>	1,247.73	
08 91	19 00-0152	EA	72" Wide x 12" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen.	723.49	86.35
			<i>For Flange Frame, Add</i>	55.08	
			<i>For Clear Lacquer Finish, Add</i>	110.16	
			<i>For Baked Enamel Standard Colors, Add</i>	165.24	
			<i>For Anodized Finish, Add</i>	220.32	
			<i>For Kynar™ Standard Colors Finish, Add</i>	302.94	
08 91	19 00-0153	EA	72" Wide x 18" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen.	891.24	103.61
			<i>For Flange Frame, Add</i>	68.40	
			<i>For Clear Lacquer Finish, Add</i>	136.80	
			<i>For Baked Enamel Standard Colors, Add</i>	205.20	
			<i>For Anodized Finish, Add</i>	273.60	
			<i>For Kynar™ Standard Colors Finish, Add</i>	376.20	
08 91	19 00-0154	EA	72" Wide x 24" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen.	1,038.57	120.89
			<i>For Flange Frame, Add</i>	79.68	
			<i>For Clear Lacquer Finish, Add</i>	159.36	
			<i>For Baked Enamel Standard Colors, Add</i>	239.04	
			<i>For Anodized Finish, Add</i>	318.72	
			<i>For Kynar™ Standard Colors Finish, Add</i>	438.24	
08 91	19 00-0155	EA	72" Wide x 30" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen.	1,188.44	129.53
			<i>For Flange Frame, Add</i>	92.94	
			<i>For Clear Lacquer Finish, Add</i>	185.88	
			<i>For Baked Enamel Standard Colors, Add</i>	278.82	
			<i>For Anodized Finish, Add</i>	371.76	
			<i>For Kynar™ Standard Colors Finish, Add</i>	511.17	
08 91	19 00-0156	EA	72" Wide x 36" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen.	1,380.56	135.27
			<i>For Flange Frame, Add</i>	111.00	
			<i>For Clear Lacquer Finish, Add</i>	222.00	
			<i>For Baked Enamel Standard Colors, Add</i>	333.00	
			<i>For Anodized Finish, Add</i>	444.00	
			<i>For Kynar™ Standard Colors Finish, Add</i>	610.50	
08 91	19 00-0157	EA	72" Wide x 42" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen.	1,513.87	141.03
			<i>For Flange Frame, Add</i>	123.18	
			<i>For Clear Lacquer Finish, Add</i>	246.36	
			<i>For Baked Enamel Standard Colors, Add</i>	369.54	
			<i>For Anodized Finish, Add</i>	492.72	
			<i>For Kynar™ Standard Colors Finish, Add</i>	677.49	
08 91	19 00-0158	EA	72" Wide x 48" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen.	1,646.34	149.67
			<i>For Flange Frame, Add</i>	134.70	
			<i>For Clear Lacquer Finish, Add</i>	269.40	
			<i>For Baked Enamel Standard Colors, Add</i>	404.10	
			<i>For Anodized Finish, Add</i>	538.80	
			<i>For Kynar™ Standard Colors Finish, Add</i>	740.85	
08 91	19 00-0159	EA	72" Wide x 54" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen.	1,793.45	155.43
			<i>For Flange Frame, Add</i>	148.26	
			<i>For Clear Lacquer Finish, Add</i>	296.52	
			<i>For Baked Enamel Standard Colors, Add</i>	444.78	
			<i>For Anodized Finish, Add</i>	593.04	
			<i>For Kynar™ Standard Colors Finish, Add</i>	815.43	
08 91	19 00-0160	EA	72" Wide x 60" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen.	1,922.92	164.06
			<i>For Flange Frame, Add</i>	159.48	
			<i>For Clear Lacquer Finish, Add</i>	318.96	
			<i>For Baked Enamel Standard Colors, Add</i>	478.44	
			<i>For Anodized Finish, Add</i>	637.92	
			<i>For Kynar™ Standard Colors Finish, Add</i>	877.14	
08 91	19 00-0161	EA	72" Wide x 66" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen.	2,131.11	178.45
			<i>For Flange Frame, Add</i>	177.42	
			<i>For Clear Lacquer Finish, Add</i>	354.84	
			<i>For Baked Enamel Standard Colors, Add</i>	532.26	
			<i>For Anodized Finish, Add</i>	709.68	
			<i>For Kynar™ Standard Colors Finish, Add</i>	975.81	



Openings	08
Louvers And Vents	08 90
Louvers	08 91

08

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 19 00-0162 EA 72" Wide x 72" High Fixed Intake Louver, Galvanized Aluminum.....	2,262.37	187.09
Note: Includes bird screen.		
For Flange Frame, Add	188.82	
For Clear Lacquer Finish, Add	377.64	
For Baked Enamel Standard Colors, Add	566.46	
For Anodized Finish, Add	755.28	
For Kynar™ Standard Colors Finish, Add	1,038.51	
08 91 19 00-0163 EA 72" Wide x 78" High Fixed Intake Louver, Galvanized Aluminum.....	2,390.29	192.85
Note: Includes bird screen.		
For Flange Frame, Add	200.46	
For Clear Lacquer Finish, Add	400.92	
For Baked Enamel Standard Colors, Add	601.38	
For Anodized Finish, Add	801.84	
For Kynar™ Standard Colors Finish, Add	1,102.53	
08 91 19 00-0164 EA 72" Wide x 84" High Fixed Intake Louver, Galvanized Aluminum.....	2,520.00	198.60
Note: Includes bird screen.		
For Flange Frame, Add	212.28	
For Clear Lacquer Finish, Add	424.56	
For Baked Enamel Standard Colors, Add	636.84	
For Anodized Finish, Add	849.12	
For Kynar™ Standard Colors Finish, Add	1,167.54	
08 91 19 00-0165 EA 72" Wide x 90" High Fixed Intake Louver, Galvanized Aluminum.....	2,641.92	204.35
Note: Includes bird screen.		
For Flange Frame, Add	223.32	
For Clear Lacquer Finish, Add	446.64	
For Baked Enamel Standard Colors, Add	669.96	
For Anodized Finish, Add	893.28	
For Kynar™ Standard Colors Finish, Add	1,228.26	
08 91 19 00-0166 EA 72" Wide x 96" High Fixed Intake Louver, Galvanized Aluminum.....	2,832.23	210.11
Note: Includes bird screen.		
For Flange Frame, Add	241.20	
For Clear Lacquer Finish, Add	482.40	
For Baked Enamel Standard Colors, Add	723.60	
For Anodized Finish, Add	964.80	
For Kynar™ Standard Colors Finish, Add	1,326.60	
08 91 19 00-0167 EA 78" Wide x 12" High Fixed Intake Louver, Galvanized Aluminum.....	769.81	92.11
Note: Includes bird screen.		
For Flange Frame, Add	58.56	
For Clear Lacquer Finish, Add	117.12	
For Baked Enamel Standard Colors, Add	175.68	
For Anodized Finish, Add	234.24	
For Kynar™ Standard Colors Finish, Add	322.08	
08 91 19 00-0168 EA 78" Wide x 18" High Fixed Intake Louver, Galvanized Aluminum.....	941.75	109.37
Note: Includes bird screen.		
For Flange Frame, Add	72.30	
For Clear Lacquer Finish, Add	144.60	
For Baked Enamel Standard Colors, Add	216.90	
For Anodized Finish, Add	289.20	
For Kynar™ Standard Colors Finish, Add	397.65	
08 91 19 00-0169 EA 78" Wide x 24" High Fixed Intake Louver, Galvanized Aluminum.....	1,092.09	126.64
Note: Includes bird screen.		
For Flange Frame, Add	83.88	
For Clear Lacquer Finish, Add	167.76	
For Baked Enamel Standard Colors, Add	251.64	
For Anodized Finish, Add	335.52	
For Kynar™ Standard Colors Finish, Add	461.34	
08 91 19 00-0170 EA 78" Wide x 30" High Fixed Intake Louver, Galvanized Aluminum.....	1,251.56	135.27
Note: Includes bird screen.		
For Flange Frame, Add	98.10	
For Clear Lacquer Finish, Add	196.20	
For Baked Enamel Standard Colors, Add	294.30	
For Anodized Finish, Add	392.40	
For Kynar™ Standard Colors Finish, Add	539.55	
08 91 19 00-0171 EA 78" Wide x 36" High Fixed Intake Louver, Galvanized Aluminum.....	1,454.47	141.03
Note: Includes bird screen.		
For Flange Frame, Add	117.24	
For Clear Lacquer Finish, Add	234.48	
For Baked Enamel Standard Colors, Add	351.72	
For Anodized Finish, Add	468.96	
For Kynar™ Standard Colors Finish, Add	644.82	
08 91 19 00-0172 EA 78" Wide x 42" High Fixed Intake Louver, Galvanized Aluminum.....	1,593.18	146.79
Note: Includes bird screen.		
For Flange Frame, Add	129.96	
For Clear Lacquer Finish, Add	259.92	
For Baked Enamel Standard Colors, Add	389.88	
For Anodized Finish, Add	519.84	
For Kynar™ Standard Colors Finish, Add	714.78	
08 91 19 00-0173 EA 78" Wide x 48" High Fixed Intake Louver, Galvanized Aluminum.....	1,734.65	155.43
Note: Includes bird screen.		
For Flange Frame, Add	142.38	
For Clear Lacquer Finish, Add	284.76	
For Baked Enamel Standard Colors, Add	427.14	
For Anodized Finish, Add	569.52	
For Kynar™ Standard Colors Finish, Add	783.09	

08	Openings
08 90	Louvers And Vents
08 91	Louvers



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 19 00-0174 EA 78" Wide x 54" High Fixed Intake Louver, Galvanized Aluminum.....	1,890.17	161.19
Note: Includes bird screen.		
For Flange Frame, Add	156.78	
For Clear Lacquer Finish, Add	313.56	
For Baked Enamel Standard Colors, Add	470.34	
For Anodized Finish, Add	627.12	
For Kynar™ Standard Colors Finish, Add	862.29	
08 91 19 00-0175 EA 78" Wide x 60" High Fixed Intake Louver, Galvanized Aluminum.....	2,028.64	169.82
Note: Includes bird screen.		
For Flange Frame, Add	168.90	
For Clear Lacquer Finish, Add	337.80	
For Baked Enamel Standard Colors, Add	506.70	
For Anodized Finish, Add	675.60	
For Kynar™ Standard Colors Finish, Add	928.95	
08 91 19 00-0176 EA 78" Wide x 66" High Fixed Intake Louver, Galvanized Aluminum.....	2,249.41	184.21
Note: Includes bird screen.		
For Flange Frame, Add	188.10	
For Clear Lacquer Finish, Add	376.20	
For Baked Enamel Standard Colors, Add	564.30	
For Anodized Finish, Add	752.40	
For Kynar™ Standard Colors Finish, Add	1,034.55	
08 91 19 00-0177 EA 78" Wide x 72" High Fixed Intake Louver, Galvanized Aluminum.....	2,386.69	192.85
Note: Includes bird screen.		
For Flange Frame, Add	200.10	
For Clear Lacquer Finish, Add	400.20	
For Baked Enamel Standard Colors, Add	600.30	
For Anodized Finish, Add	800.40	
For Kynar™ Standard Colors Finish, Add	1,100.55	
08 91 19 00-0178 EA 78" Wide x 78" High Fixed Intake Louver, Galvanized Aluminum.....	2,529.96	201.48
Note: Includes bird screen.		
For Flange Frame, Add	212.70	
For Clear Lacquer Finish, Add	425.40	
For Baked Enamel Standard Colors, Add	638.10	
For Anodized Finish, Add	850.80	
For Kynar™ Standard Colors Finish, Add	1,169.85	
08 91 19 00-0179 EA 78" Wide x 84" High Fixed Intake Louver, Galvanized Aluminum.....	2,659.67	207.24
Note: Includes bird screen.		
For Flange Frame, Add	224.52	
For Clear Lacquer Finish, Add	449.04	
For Baked Enamel Standard Colors, Add	673.56	
For Anodized Finish, Add	898.08	
For Kynar™ Standard Colors Finish, Add	1,234.86	
08 91 19 00-0180 EA 78" Wide x 90" High Fixed Intake Louver, Galvanized Aluminum.....	2,789.38	212.99
Note: Includes bird screen.		
For Flange Frame, Add	236.34	
For Clear Lacquer Finish, Add	472.68	
For Baked Enamel Standard Colors, Add	709.02	
For Anodized Finish, Add	945.36	
For Kynar™ Standard Colors Finish, Add	1,299.87	
08 91 19 00-0181 EA 78" Wide x 96" High Fixed Intake Louver, Galvanized Aluminum.....	2,991.69	218.75
Note: Includes bird screen.		
For Flange Frame, Add	255.42	
For Clear Lacquer Finish, Add	510.84	
For Baked Enamel Standard Colors, Add	766.26	
For Anodized Finish, Add	1,021.68	
For Kynar™ Standard Colors Finish, Add	1,404.81	
08 91 19 00-0182 EA 84" Wide x 12" High Fixed Intake Louver, Galvanized Aluminum.....	808.32	97.87
Note: Includes bird screen.		
For Flange Frame, Add	61.26	
For Clear Lacquer Finish, Add	122.52	
For Baked Enamel Standard Colors, Add	183.78	
For Anodized Finish, Add	245.04	
For Kynar™ Standard Colors Finish, Add	336.93	
08 91 19 00-0183 EA 84" Wide x 18" High Fixed Intake Louver, Galvanized Aluminum.....	986.86	115.13
Note: Includes bird screen.		
For Flange Frame, Add	75.66	
For Clear Lacquer Finish, Add	151.32	
For Baked Enamel Standard Colors, Add	226.98	
For Anodized Finish, Add	302.64	
For Kynar™ Standard Colors Finish, Add	416.13	
08 91 19 00-0184 EA 84" Wide x 24" High Fixed Intake Louver, Galvanized Aluminum.....	1,151.60	132.40
Note: Includes bird screen.		
For Flange Frame, Add	88.68	
For Clear Lacquer Finish, Add	177.36	
For Baked Enamel Standard Colors, Add	266.04	
For Anodized Finish, Add	354.72	
For Kynar™ Standard Colors Finish, Add	487.74	
08 91 19 00-0185 EA 84" Wide x 30" High Fixed Intake Louver, Galvanized Aluminum.....	1,315.87	141.03
Note: Includes bird screen.		
For Flange Frame, Add	103.38	
For Clear Lacquer Finish, Add	206.76	
For Baked Enamel Standard Colors, Add	310.14	
For Anodized Finish, Add	413.52	
For Kynar™ Standard Colors Finish, Add	568.59	



Openings	08
Louvers And Vents	08 90
Louvers	08 91

08

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 19 00-0186 EA 84" Wide x 36" High Fixed Intake Louver, Galvanized Aluminum.....	1,531.38	146.79
Note: Includes bird screen.		
For Flange Frame, Add	123.78	
For Clear Lacquer Finish, Add	247.56	
For Baked Enamel Standard Colors, Add	371.34	
For Anodized Finish, Add	495.12	
For Kynar™ Standard Colors Finish, Add	680.79	
08 91 19 00-0187 EA 84" Wide x 42" High Fixed Intake Louver, Galvanized Aluminum.....	1,677.89	152.55
Note: Includes bird screen.		
For Flange Frame, Add	137.28	
For Clear Lacquer Finish, Add	274.56	
For Baked Enamel Standard Colors, Add	411.84	
For Anodized Finish, Add	549.12	
For Kynar™ Standard Colors Finish, Add	755.04	
08 91 19 00-0188 EA 84" Wide x 48" High Fixed Intake Louver, Galvanized Aluminum.....	1,822.37	161.19
Note: Includes bird screen.		
For Flange Frame, Add	150.00	
For Clear Lacquer Finish, Add	300.00	
For Baked Enamel Standard Colors, Add	450.00	
For Anodized Finish, Add	600.00	
For Kynar™ Standard Colors Finish, Add	825.00	
08 91 19 00-0189 EA 84" Wide x 54" High Fixed Intake Louver, Galvanized Aluminum.....	1,989.88	166.94
Note: Includes bird screen.		
For Flange Frame, Add	165.60	
For Clear Lacquer Finish, Add	331.20	
For Baked Enamel Standard Colors, Add	496.80	
For Anodized Finish, Add	662.40	
For Kynar™ Standard Colors Finish, Add	910.80	
08 91 19 00-0190 EA 84" Wide x 60" High Fixed Intake Louver, Galvanized Aluminum.....	2,134.95	175.58
Note: Includes bird screen.		
For Flange Frame, Add	178.38	
For Clear Lacquer Finish, Add	356.76	
For Baked Enamel Standard Colors, Add	535.14	
For Anodized Finish, Add	713.52	
For Kynar™ Standard Colors Finish, Add	981.09	
08 91 19 00-0191 EA 84" Wide x 66" High Fixed Intake Louver, Galvanized Aluminum.....	2,368.33	189.96
Note: Includes bird screen.		
For Flange Frame, Add	198.84	
For Clear Lacquer Finish, Add	397.68	
For Baked Enamel Standard Colors, Add	596.52	
For Anodized Finish, Add	795.36	
For Kynar™ Standard Colors Finish, Add	1,093.62	
08 91 19 00-0192 EA 84" Wide x 72" High Fixed Intake Louver, Galvanized Aluminum.....	2,510.40	198.60
Note: Includes bird screen.		
For Flange Frame, Add	211.32	
For Clear Lacquer Finish, Add	422.64	
For Baked Enamel Standard Colors, Add	633.96	
For Anodized Finish, Add	845.28	
For Kynar™ Standard Colors Finish, Add	1,162.26	
08 91 19 00-0193 EA 84" Wide x 78" High Fixed Intake Louver, Galvanized Aluminum.....	2,665.67	207.24
Note: Includes bird screen.		
For Flange Frame, Add	225.12	
For Clear Lacquer Finish, Add	450.24	
For Baked Enamel Standard Colors, Add	675.36	
For Anodized Finish, Add	900.48	
For Kynar™ Standard Colors Finish, Add	1,238.16	
08 91 19 00-0194 EA 84" Wide x 84" High Fixed Intake Louver, Galvanized Aluminum.....	2,828.98	212.99
Note: Includes bird screen.		
For Flange Frame, Add	240.30	
For Clear Lacquer Finish, Add	480.60	
For Baked Enamel Standard Colors, Add	720.90	
For Anodized Finish, Add	961.20	
For Kynar™ Standard Colors Finish, Add	1,321.65	
08 91 19 00-0195 EA 84" Wide x 90" High Fixed Intake Louver, Galvanized Aluminum.....	3,194.69	218.75
Note: Includes bird screen.		
For Flange Frame, Add	253.92	
For Clear Lacquer Finish, Add	507.84	
For Baked Enamel Standard Colors, Add	761.76	
For Anodized Finish, Add	1,015.68	
For Kynar™ Standard Colors Finish, Add	1,396.56	
08 91 19 00-0196 EA 84" Wide x 96" High Fixed Intake Louver, Galvanized Aluminum.....	3,194.01	224.51
Note: Includes bird screen.		
For Flange Frame, Add	274.50	
For Clear Lacquer Finish, Add	549.00	
For Baked Enamel Standard Colors, Add	823.50	
For Anodized Finish, Add	1,098.00	
For Kynar™ Standard Colors Finish, Add	1,509.75	
08 91 19 00-0197 EA 90" Wide x 12" High Fixed Intake Louver, Galvanized Aluminum.....	859.79	106.50
Note: Includes bird screen.		
For Flange Frame, Add	64.68	
For Clear Lacquer Finish, Add	129.36	
For Baked Enamel Standard Colors, Add	194.04	
For Anodized Finish, Add	258.72	
For Kynar™ Standard Colors Finish, Add	355.74	

08	Openings
08 90	Louvers And Vents
08 91	Louvers



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 19 00-0198 EA 90" Wide x 18" High Fixed Intake Louver, Galvanized Aluminum.....	1,040.73	123.77
Note: Includes bird screen.		
For Flange Frame, Add	79.32	
For Clear Lacquer Finish, Add	158.64	
For Baked Enamel Standard Colors, Add	237.96	
For Anodized Finish, Add	317.28	
For Kynar™ Standard Colors Finish, Add	436.26	
08 91 19 00-0199 EA 90" Wide x 24" High Fixed Intake Louver, Galvanized Aluminum.....	1,211.47	141.03
Note: Includes bird screen.		
For Flange Frame, Add	92.94	
For Clear Lacquer Finish, Add	185.88	
For Baked Enamel Standard Colors, Add	278.82	
For Anodized Finish, Add	371.76	
For Kynar™ Standard Colors Finish, Add	511.17	
08 91 19 00-0200 EA 90" Wide x 30" High Fixed Intake Louver, Galvanized Aluminum.....	1,380.54	149.67
Note: Includes bird screen.		
For Flange Frame, Add	108.12	
For Clear Lacquer Finish, Add	216.24	
For Baked Enamel Standard Colors, Add	324.36	
For Anodized Finish, Add	432.48	
For Kynar™ Standard Colors Finish, Add	594.66	
08 91 19 00-0201 EA 90" Wide x 36" High Fixed Intake Louver, Galvanized Aluminum.....	1,610.45	155.43
Note: Includes bird screen.		
For Flange Frame, Add	129.96	
For Clear Lacquer Finish, Add	259.92	
For Baked Enamel Standard Colors, Add	389.88	
For Anodized Finish, Add	519.84	
For Kynar™ Standard Colors Finish, Add	714.78	
08 91 19 00-0202 EA 90" Wide x 42" High Fixed Intake Louver, Galvanized Aluminum.....	1,761.77	161.19
Note: Includes bird screen.		
For Flange Frame, Add	143.94	
For Clear Lacquer Finish, Add	287.88	
For Baked Enamel Standard Colors, Add	431.82	
For Anodized Finish, Add	575.76	
For Kynar™ Standard Colors Finish, Add	791.67	
08 91 19 00-0203 EA 90" Wide x 48" High Fixed Intake Louver, Galvanized Aluminum.....	1,906.48	166.94
Note: Includes bird screen.		
For Flange Frame, Add	157.26	
For Clear Lacquer Finish, Add	314.52	
For Baked Enamel Standard Colors, Add	471.78	
For Anodized Finish, Add	629.04	
For Kynar™ Standard Colors Finish, Add	864.93	
08 91 19 00-0204 EA 90" Wide x 54" High Fixed Intake Louver, Galvanized Aluminum.....	2,083.00	172.69
Note: Includes bird screen.		
For Flange Frame, Add	173.76	
For Clear Lacquer Finish, Add	347.52	
For Baked Enamel Standard Colors, Add	521.28	
For Anodized Finish, Add	695.04	
For Kynar™ Standard Colors Finish, Add	955.68	
08 91 19 00-0205 EA 90" Wide x 60" High Fixed Intake Louver, Galvanized Aluminum.....	2,235.26	181.33
Note: Includes bird screen.		
For Flange Frame, Add	187.26	
For Clear Lacquer Finish, Add	374.52	
For Baked Enamel Standard Colors, Add	561.78	
For Anodized Finish, Add	749.04	
For Kynar™ Standard Colors Finish, Add	1,029.93	
08 91 19 00-0206 EA 90" Wide x 66" High Fixed Intake Louver, Galvanized Aluminum.....	2,481.24	195.72
Note: Includes bird screen.		
For Flange Frame, Add	208.98	
For Clear Lacquer Finish, Add	417.96	
For Baked Enamel Standard Colors, Add	626.94	
For Anodized Finish, Add	835.92	
For Kynar™ Standard Colors Finish, Add	1,149.39	
08 91 19 00-0207 EA 90" Wide x 72" High Fixed Intake Louver, Galvanized Aluminum.....	2,629.32	204.35
Note: Includes bird screen.		
For Flange Frame, Add	222.06	
For Clear Lacquer Finish, Add	444.12	
For Baked Enamel Standard Colors, Add	666.18	
For Anodized Finish, Add	888.24	
For Kynar™ Standard Colors Finish, Add	1,221.33	
08 91 19 00-0208 EA 90" Wide x 78" High Fixed Intake Louver, Galvanized Aluminum.....	2,797.78	212.99
Note: Includes bird screen.		
For Flange Frame, Add	237.18	
For Clear Lacquer Finish, Add	474.36	
For Baked Enamel Standard Colors, Add	711.54	
For Anodized Finish, Add	948.72	
For Kynar™ Standard Colors Finish, Add	1,304.49	
08 91 19 00-0209 EA 90" Wide x 84" High Fixed Intake Louver, Galvanized Aluminum.....	2,970.69	218.75
Note: Includes bird screen.		
For Flange Frame, Add	253.32	
For Clear Lacquer Finish, Add	506.64	
For Baked Enamel Standard Colors, Add	759.96	
For Anodized Finish, Add	1,013.28	
For Kynar™ Standard Colors Finish, Add	1,393.26	



Openings	08
Louvers And Vents	08 90
Louvers	08 91

08

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 19 00-0210 EA 90" Wide x 90" High Fixed Intake Louver, Galvanized Aluminum.....	3,120.57	227.38
Note: Includes bird screen.		
For Flange Frame, Add	266.58	
For Clear Lacquer Finish, Add	533.16	
For Baked Enamel Standard Colors, Add	799.74	
For Anodized Finish, Add	1,066.32	
For Kynar™ Standard Colors Finish, Add	1,466.19	
08 91 19 00-0211 EA 90" Wide x 96" High Fixed Intake Louver, Galvanized Aluminum.....	3,350.48	233.14
Note: Includes bird screen.		
For Flange Frame, Add	288.42	
For Clear Lacquer Finish, Add	576.84	
For Baked Enamel Standard Colors, Add	865.26	
For Anodized Finish, Add	1,153.68	
For Kynar™ Standard Colors Finish, Add	1,586.31	
08 91 19 00-0212 EA 96" Wide x 12" High Fixed Intake Louver, Galvanized Aluminum.....	905.26	115.13
Note: Includes bird screen.		
For Flange Frame, Add	67.50	
For Clear Lacquer Finish, Add	135.00	
For Baked Enamel Standard Colors, Add	202.50	
For Anodized Finish, Add	270.00	
For Kynar™ Standard Colors Finish, Add	371.25	
08 91 19 00-0213 EA 96" Wide x 18" High Fixed Intake Louver, Galvanized Aluminum.....	1,092.20	132.40
Note: Includes bird screen.		
For Flange Frame, Add	82.74	
For Clear Lacquer Finish, Add	165.48	
For Baked Enamel Standard Colors, Add	248.22	
For Anodized Finish, Add	330.96	
For Kynar™ Standard Colors Finish, Add	455.07	
08 91 19 00-0214 EA 96" Wide x 24" High Fixed Intake Louver, Galvanized Aluminum.....	1,270.74	149.67
Note: Includes bird screen.		
For Flange Frame, Add	97.14	
For Clear Lacquer Finish, Add	194.28	
For Baked Enamel Standard Colors, Add	291.42	
For Anodized Finish, Add	388.56	
For Kynar™ Standard Colors Finish, Add	534.27	
08 91 19 00-0215 EA 96" Wide x 30" High Fixed Intake Louver, Galvanized Aluminum.....	1,448.81	158.30
Note: Includes bird screen.		
For Flange Frame, Add	113.22	
For Clear Lacquer Finish, Add	226.44	
For Baked Enamel Standard Colors, Add	339.66	
For Anodized Finish, Add	452.88	
For Kynar™ Standard Colors Finish, Add	622.71	
08 91 19 00-0216 EA 96" Wide x 36" High Fixed Intake Louver, Galvanized Aluminum.....	1,685.92	164.06
Note: Includes bird screen.		
For Flange Frame, Add	135.78	
For Clear Lacquer Finish, Add	271.56	
For Baked Enamel Standard Colors, Add	407.34	
For Anodized Finish, Add	543.12	
For Kynar™ Standard Colors Finish, Add	746.79	
08 91 19 00-0217 EA 96" Wide x 42" High Fixed Intake Louver, Galvanized Aluminum.....	1,861.84	169.82
Note: Includes bird screen.		
For Flange Frame, Add	152.22	
For Clear Lacquer Finish, Add	304.44	
For Baked Enamel Standard Colors, Add	456.66	
For Anodized Finish, Add	608.88	
For Kynar™ Standard Colors Finish, Add	837.21	
08 91 19 00-0218 EA 96" Wide x 48" High Fixed Intake Louver, Galvanized Aluminum.....	2,015.55	175.58
Note: Includes bird screen.		
For Flange Frame, Add	166.44	
For Clear Lacquer Finish, Add	332.88	
For Baked Enamel Standard Colors, Add	499.32	
For Anodized Finish, Add	665.76	
For Kynar™ Standard Colors Finish, Add	915.42	
08 91 19 00-0219 EA 96" Wide x 54" High Fixed Intake Louver, Galvanized Aluminum.....	2,183.66	181.33
Note: Includes bird screen.		
For Flange Frame, Add	182.10	
For Clear Lacquer Finish, Add	364.20	
For Baked Enamel Standard Colors, Add	546.30	
For Anodized Finish, Add	728.40	
For Kynar™ Standard Colors Finish, Add	1,001.55	
08 91 19 00-0220 EA 96" Wide x 60" High Fixed Intake Louver, Galvanized Aluminum.....	2,339.77	187.09
Note: Includes bird screen.		
For Flange Frame, Add	196.56	
For Clear Lacquer Finish, Add	393.12	
For Baked Enamel Standard Colors, Add	589.68	
For Anodized Finish, Add	786.24	
For Kynar™ Standard Colors Finish, Add	1,081.08	
08 91 19 00-0221 EA 96" Wide x 66" High Fixed Intake Louver, Galvanized Aluminum.....	2,603.16	201.48
Note: Includes bird screen.		
For Flange Frame, Add	220.02	
For Clear Lacquer Finish, Add	440.04	
For Baked Enamel Standard Colors, Add	660.06	
For Anodized Finish, Add	880.08	
For Kynar™ Standard Colors Finish, Add	1,210.11	

08 Openings**08 90 Louvers And Vents****08 91 Louvers**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 19 00-0222	EA		96" Wide x 72" High Fixed Intake Louver, Galvanized Aluminum.....	2,110.43	210.11
			Note: Includes bird screen.		
			For Flange Frame, Add	169.02	
			For Clear Lacquer Finish, Add	338.04	
			For Baked Enamel Standard Colors, Add	507.06	
			For Anodized Finish, Add	676.08	
			For Kynar™ Standard Colors Finish, Add	929.61	
08 91 19 00-0223	EA		96" Wide x 78" High Fixed Intake Louver, Galvanized Aluminum.....	2,928.09	218.75
			Note: Includes bird screen.		
			For Flange Frame, Add	249.06	
			For Clear Lacquer Finish, Add	498.12	
			For Baked Enamel Standard Colors, Add	747.18	
			For Anodized Finish, Add	996.24	
			For Kynar™ Standard Colors Finish, Add	1,369.83	
08 91 19 00-0224	EA		96" Wide x 84" High Fixed Intake Louver, Galvanized Aluminum.....	3,107.01	224.51
			Note: Includes bird screen.		
			For Flange Frame, Add	265.80	
			For Clear Lacquer Finish, Add	531.60	
			For Baked Enamel Standard Colors, Add	797.40	
			For Anodized Finish, Add	1,063.20	
			For Kynar™ Standard Colors Finish, Add	1,461.90	
08 91 19 00-0225	EA		96" Wide x 90" High Fixed Intake Louver, Galvanized Aluminum.....	3,264.08	233.14
			Note: Includes bird screen.		
			For Flange Frame, Add	279.78	
			For Clear Lacquer Finish, Add	559.56	
			For Baked Enamel Standard Colors, Add	839.34	
			For Anodized Finish, Add	1,119.12	
			For Kynar™ Standard Colors Finish, Add	1,538.79	
08 91 19 00-0226	EA		96" Wide x 96" High Fixed Intake Louver, Galvanized Aluminum.....	3,513.55	241.77
			Note: Includes bird screen.		
			For Flange Frame, Add	303.00	
			For Clear Lacquer Finish, Add	606.00	
			For Baked Enamel Standard Colors, Add	909.00	
			For Anodized Finish, Add	1,212.00	
			For Kynar™ Standard Colors Finish, Add	1,666.50	
08 91 19 00-0227			Gable Louver Vents (08 91 19) Note: 1" deep, residential/light commercial grade louvers.		
08 91 19 00-0228			Aluminum Gable Louver Vents (08 91 19 00-0227) Note: Includes screen.		
08 91 19 00-0229			Rectangular Aluminum Gable Louver Vents (08 91 19 00-0228) Note: Includes screen.		
08 91 19 00-0230	EA		12" x 18" Rectangular Fixed Aluminum Gable Louver Vent.....	144.26	8.60
08 91 19 00-0231	EA		12" x 24" Rectangular Fixed Aluminum Gable Louver Vent.....	158.23	9.87
08 91 19 00-0232	EA		18" x 24" Rectangular Fixed Aluminum Gable Louver Vent.....	182.35	11.14
08 91 19 00-0233	EA		18" x 30" Rectangular Fixed Aluminum Gable Louver Vent.....	199.65	11.86
08 91 19 00-0234	EA		24" x 30" Rectangular Fixed Aluminum Gable Louver Vent.....	227.09	12.55
08 91 19 00-0235	EA		24" x 36" Rectangular Fixed Aluminum Gable Louver Vent.....	254.90	15.05
08 91 19 00-0236	EA		30" x 36" Rectangular Fixed Aluminum Gable Louver Vent.....	296.61	18.81
08 91 19 00-0237	EA		30" x 42" Rectangular Fixed Aluminum Gable Louver Vent.....	331.38	21.95
08 91 19 00-0238	EA		36" x 42" Rectangular Fixed Aluminum Gable Louver Vent.....	380.06	26.35
08 91 19 00-0239	EA		42" x 48" Rectangular Fixed Aluminum Gable Louver Vent.....	477.39	35.11
08 91 19 00-0240			Square Aluminum Gable Louver Vents (08 91 19 00-0228) Note: Includes screen.		
08 91 19 00-0241	EA		12" x 12" Square Fixed Aluminum Gable Louver Vent.....	132.09	7.91
08 91 19 00-0242	EA		18" x 18" Square Fixed Aluminum Gable Louver Vent.....	163.78	10.04
08 91 19 00-0243	EA		24" x 24" Square Fixed Aluminum Gable Louver Vent.....	204.71	11.85
08 91 19 00-0244	EA		30" x 30" Square Fixed Aluminum Gable Louver Vent.....	261.85	15.68
08 91 19 00-0245	EA		36" x 36" Square Fixed Aluminum Gable Louver Vent.....	338.34	22.58
08 91 19 00-0246	EA		42" x 42" Square Fixed Aluminum Gable Louver Vent.....	428.65	30.71
08 91 19 00-0247	EA		48" x 48" Square Fixed Aluminum Gable Louver Vent.....	533.03	40.13
08 91 19 00-0248			Round Aluminum Gable Louver Vents (08 91 19 00-0228) Note: Includes screen.		
08 91 19 00-0249	EA		12" Diameter Round Fixed Aluminum Gable Louver Vent.....	132.09	7.91
08 91 19 00-0250	EA		18" Diameter Round Fixed Aluminum Gable Louver Vent.....	163.78	10.04
08 91 19 00-0251	EA		24" Diameter Round Fixed Aluminum Gable Louver Vent.....	204.71	11.85
08 91 19 00-0252	EA		30" Diameter Round Fixed Aluminum Gable Louver Vent.....	261.85	15.68
08 91 19 00-0253	EA		36" Diameter Round Fixed Aluminum Gable Louver Vent.....	338.34	22.58
08 91 19 00-0254	EA		42" Diameter Round Fixed Aluminum Gable Louver Vent.....	428.72	30.73
08 91 19 00-0255			Octagonal Aluminum Gable Louver Vents (08 91 19 00-0228) Note: Includes screen.		
08 91 19 00-0256	EA		12" x 12" Octagonal Fixed Aluminum Gable Louver Vent.....	132.09	7.91
08 91 19 00-0257	EA		12" x 18" Octagonal Fixed Aluminum Gable Louver Vent.....	144.26	8.60
08 91 19 00-0258	EA		12" x 24" Octagonal Fixed Aluminum Gable Louver Vent.....	158.23	9.87
08 91 19 00-0259	EA		18" x 18" Octagonal Fixed Aluminum Gable Louver Vent.....	163.78	10.04
08 91 19 00-0260	EA		18" x 24" Octagonal Fixed Aluminum Gable Louver Vent.....	182.35	11.14



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 19 00-0261	EA			18" x 30" Octagonal Fixed Aluminum Gable Louver Vent.....	199.65	11.86
08 91 19 00-0262	EA			24" x 24" Octagonal Fixed Aluminum Gable Louver Vent.....	204.71	11.85
08 91 19 00-0263	EA			24" x 30" Octagonal Fixed Aluminum Gable Louver Vent.....	227.09	12.55
08 91 19 00-0264	EA			24" x 36" Octagonal Fixed Aluminum Gable Louver Vent.....	254.90	15.05
08 91 19 00-0265	EA			30" x 30" Octagonal Fixed Aluminum Gable Louver Vent.....	261.85	15.68
08 91 19 00-0266	EA			30" x 36" Octagonal Fixed Aluminum Gable Louver Vent.....	296.61	18.81
08 91 19 00-0267	EA			30" x 42" Octagonal Fixed Aluminum Gable Louver Vent.....	331.38	21.95
08 91 19 00-0268	EA			36" x 36" Octagonal Fixed Aluminum Gable Louver Vent.....	338.34	22.58
08 91 19 00-0269	EA			36" x 42" Octagonal Fixed Aluminum Gable Louver Vent.....	380.06	26.35
08 91 19 00-0270	EA			36" x 48" Octagonal Fixed Aluminum Gable Louver Vent.....	421.78	30.11
08 91 19 00-0271	EA			42" x 42" Octagonal Fixed Aluminum Gable Louver Vent.....	428.72	30.73
08 91 19 00-0272	EA			42" x 48" Octagonal Fixed Aluminum Gable Louver Vent.....	477.39	35.11
08 91 19 00-0273	EA			48" x 48" Octagonal Fixed Aluminum Gable Louver Vent.....	533.03	40.13
08 91 19 00-0274	Round Top Aluminum Gable Louver Vents (08 91 19 00-0228)					
	Note: Includes screen.					
08 91 19 00-0275	EA			12" x 12" Round Top Fixed Aluminum Gable Louver Vent.....	132.09	7.91
08 91 19 00-0276	EA			12" x 18" Round Top Fixed Aluminum Gable Louver Vent.....	144.26	8.60
08 91 19 00-0277	EA			12" x 24" Round Top Fixed Aluminum Gable Louver Vent.....	158.23	9.87
08 91 19 00-0278	EA			18" x 18" Round Top Fixed Aluminum Gable Louver Vent.....	163.78	10.04
08 91 19 00-0279	EA			18" x 24" Round Top Fixed Aluminum Gable Louver Vent.....	182.35	11.14
08 91 19 00-0280	EA			18" x 30" Round Top Fixed Aluminum Gable Louver Vent.....	199.65	11.86
08 91 19 00-0281	EA			24" x 24" Round Top Fixed Aluminum Gable Louver Vent.....	204.71	11.85
08 91 19 00-0282	EA			24" x 30" Round Top Fixed Aluminum Gable Louver Vent.....	227.09	12.55
08 91 19 00-0283	EA			24" x 36" Round Top Fixed Aluminum Gable Louver Vent.....	254.90	15.05
08 91 19 00-0284	EA			30" x 30" Round Top Fixed Aluminum Gable Louver Vent.....	261.85	15.68
08 91 19 00-0285	EA			30" x 36" Round Top Fixed Aluminum Gable Louver Vent.....	296.61	18.81
08 91 19 00-0286	EA			30" x 42" Round Top Fixed Aluminum Gable Louver Vent.....	331.38	21.95
08 91 19 00-0287	EA			36" x 36" Round Top Fixed Aluminum Gable Louver Vent.....	338.34	22.58
08 91 19 00-0288	EA			36" x 42" Round Top Fixed Aluminum Gable Louver Vent.....	380.06	26.35
08 91 19 00-0289	EA			36" x 48" Round Top Fixed Aluminum Gable Louver Vent.....	421.78	30.11
08 91 19 00-0290	EA			42" x 42" Round Top Fixed Aluminum Gable Louver Vent.....	428.72	30.73
08 91 19 00-0291	EA			42" x 48" Round Top Fixed Aluminum Gable Louver Vent.....	477.39	35.11
08 91 19 00-0292	EA			48" x 48" Round Top Fixed Aluminum Gable Louver Vent.....	533.03	40.13
08 91 19 00-0293	Triangle Aluminum Gable Louver Vents (08 91 19 00-0228)					
	Note: Includes screen.					
08 91 19 00-0294	EA			36" Base x 30" High Triangle Fixed Aluminum Gable Louver Vent.....	269.77	9.87
08 91 19 00-0295	EA			36" Base x 36" High Triangle Fixed Aluminum Gable Louver Vent.....	306.11	11.85
08 91 19 00-0296	EA			48" Base x 30" High Triangle Fixed Aluminum Gable Louver Vent.....	328.49	12.55
08 91 19 00-0297	EA			48" Base x 36" High Triangle Fixed Aluminum Gable Louver Vent.....	376.58	15.05
08 91 19 00-0298	EA			48" Base x 42" High Triangle Fixed Aluminum Gable Louver Vent.....	419.02	15.68
08 91 19 00-0299	EA			60" Base x 24" High Triangle Fixed Aluminum Gable Louver Vent.....	347.31	18.81
08 91 19 00-0300	EA			60" Base x 30" High Triangle Fixed Aluminum Gable Louver Vent.....	407.43	21.95
08 91 19 00-0301	EA			60" Base x 36" High Triangle Fixed Aluminum Gable Louver Vent.....	460.02	22.58
08 91 19 00-0302	EA			60" Base x 42" High Triangle Fixed Aluminum Gable Louver Vent.....	522.02	26.35
08 91 19 00-0303	EA			72" Base x 24" High Triangle Fixed Aluminum Gable Louver Vent.....	421.78	30.11
08 91 19 00-0304	EA			72" Base x 30" High Triangle Fixed Aluminum Gable Louver Vent.....	484.49	30.73
08 91 19 00-0305	EA			72" Base x 36" High Triangle Fixed Aluminum Gable Louver Vent.....	558.51	35.11
08 91 19 00-0306	EA			72" Base x 42" High Triangle Fixed Aluminum Gable Louver Vent.....	634.43	40.13
08 91 19 00-0307	EA			72" Base x 48" High Triangle Fixed Aluminum Gable Louver Vent.....	713.23	46.12
08 91 19 00-0308	Vinyl Gable Louver Vents (08 91 19 00-0227)					
	Note: Includes screen.					
08 91 19 00-0309	EA			12" x 12" Square Fixed Vinyl Gable Louver Vent.....	47.19	7.91
08 91 19 00-0310	EA			12" x 18" Rectangular Fixed Vinyl Gable Louver Vent.....	56.26	8.60
08 91 19 00-0311	EA			18" x 24" Rectangular Fixed Vinyl Gable Louver Vent.....	76.33	11.14
08 91 19 00-0312	EA			24" x 30" Rectangular Fixed Vinyl Gable Louver Vent.....	102.41	12.55
08 91 19 00-0313	EA			18" Diameter Round Fixed Vinyl Gable Louver Vent.....	73.29	10.04
08 91 19 00-0314	EA			22" Diameter Round Fixed Vinyl Gable Louver Vent.....	84.90	11.85
08 91 19 00-0315	EA			30" Diameter Round Fixed Vinyl Gable Louver Vent.....	118.90	15.68
08 91 19 00-0316	EA			36" Diameter Round Fixed Vinyl Gable Louver Vent.....	173.52	22.58
08 91 19 00-0317	EA			18" x 18" Octagonal Fixed Vinyl Gable Louver Vent.....	73.29	10.04
08 91 19 00-0318	EA			22" x 22" Octagonal Fixed Vinyl Gable Louver Vent.....	82.82	11.14
08 91 19 00-0319	EA			27" x 27" Octagonal Fixed Vinyl Gable Louver Vent.....	105.40	12.55
08 91 19 00-0320	EA			32" x 32" Octagonal Fixed Vinyl Gable Louver Vent.....	150.45	18.81
08 91 19 00-0321	EA			40" x 40" Octagonal Fixed Vinyl Gable Louver Vent.....	346.15	30.11
08 91 19 00-0322	EA			14" x 22" Round Top Fixed Vinyl Gable Louver Vent.....	71.86	9.87
08 91 19 00-0323	EA			22" x 32" Round Top Fixed Vinyl Gable Louver Vent.....	99.20	12.55
08 91 19 00-0324	EA			34" x 22" Half Round Fixed Vinyl Gable Louver Vent.....	104.40	15.05
08 91 19 00-0325	EA			52" Base x 26" High Triangle Fixed Vinyl Gable Louver Vent.....	227.24	18.81
08 91 19 00-0326	EA			56" Base x 23" High Triangle Fixed Vinyl Gable Louver Vent.....	227.24	18.81
08 91 19 00-0327	EA			56" Base x 26" High Triangle Fixed Vinyl Gable Louver Vent.....	227.24	18.81
08 91 19 00-0328	EA			62" Base x 23" High Triangle Fixed Vinyl Gable Louver Vent.....	227.24	18.81
08 91 19 00-0329	EA			62-1/2" Base x 21" High Triangle Fixed Vinyl Gable Louver Vent.....	227.24	18.81
08 91 19 00-0330	EA			70-1/2" Base x 17" High Triangle Fixed Vinyl Gable Louver Vent.....	261.15	30.11
08 91 19 00-0331	EA			70-1/2" Base x 20-1/2" High Triangle Fixed Vinyl Gable Louver Vent.....	261.15	30.11
08 91 19 00-0332	EA			72-1/2" Base x 18" High Triangle Fixed Vinyl Gable Louver Vent.....	261.15	30.11

08	08	Openings
	08 90	Louvers And Vents
	08 91	Louvers



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	08 91 19 00-0333	EA	74" Base x 14-1/2" High Triangle Fixed Vinyl Gable Louver Vent.....	261.15	30.11
08 95 Vents (08 90)					
08 95 13 Soffit Vents (08 95)					
08 95 13 00-0001 Aluminum Soffit Vents (08 95 13)					
	08 95 13 00-0002	LF	2-1/2" Wide Aluminum Soffit Vent.....	6.26	2.65
	08 95 13 00-0003	LF	3" Wide Aluminum Soffit Vent.....	12.04	5.18
	08 95 13 00-0004	EA	4" x 16" Under Eave Vent, Mill Finish	17.31	6.90
	08 95 13 00-0005	EA	8" x 16" Under Eave Vent, Mill Finish	17.56	6.90
08 95 13 00-0006 Vinyl Soffit Vents (08 95 13)					
	08 95 13 00-0007	LF	Up To 2" Vinyl Soffit Vent, Perforated, White.....	4.41	1.91
			<i>For Colors, Add</i>	0.06	
	08 95 13 00-0008	LF	3" To 4" Vinyl Soffit Vent, Perforated, White	4.48	1.91
			<i>For Colors, Add</i>	0.07	
08 95 16 Wall Vents (08 95)					
08 95 16 00-0001 Foundation Vents (08 95 16)					
	08 95 16 00-0002	SI	Galvanized Steel Foundation Vent.....	0.42	0.16
	08 95 16 00-0003	SI	Aluminum Foundation Vent.....	0.43	0.16
	08 95 16 00-0004	SI	Stainless Steel Foundation Vent.....	0.97	0.16
	08 95 16 00-0005	SI	Plastic Foundation Vent.....	0.32	0.16

END OF SECTION 08



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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09 Finishes

09 01 Maintenance Of Finishes ⁽⁰⁹⁾

09 01 20 Maintenance Of Plaster And Gypsum Board ^(09 01)

09 01 20 91 Plaster Restoration ^(09 01 20)

09 01 20 91-0001	SF	Cut And Patch Hole In Drywall To Match Existing ^(09 01 20 91) Note: Includes cutting of existing gypsum board, cutting new board to fit opening, finishing, and disposal of debris into dumpster. Per location. See CSI section 09 29 00 00-0000 for "Gypsum Board" repairs > 32 SF.	
09 01 20 91-0002	SF	Up To 2 SF, Cut And Patch Hole In Drywall To Match Existing Note: Per location.	16.55
09 01 20 91-0003	SF	>2 To 4 SF, Cut And Patch Hole In Drywall To Match Existing Note: Per location.	13.36
09 01 20 91-0004	SF	>4 To 8 SF, Cut And Patch Hole In Drywall To Match Existing Note: Per location.	11.99
09 01 20 91-0005	SF	>8 To 16 SF, Cut And Patch Hole In Drywall To Match Existing Note: Per location.	10.57
09 01 20 91-0006	SF	>16 To 32 SF, Cut And Patch Hole In Drywall To Match Existing Note: Per location. See CSI section 09 29 00 00-0001 for "Gypsum Board" repairs > 32 SF.	9.46

09 01 20 91-0007 Plaster/Stucco Repair ^(09 01 20 91) Note: Per location.

09 01 20 91-0008	LF	Clean And Repair Crack In Plaster/Stucco ^(09 01 20 91-0007) Note: Includes plaster weld.	
09 01 20 91-0009	LF	Up To 10', Chip, Clean And Repair Crack In Plaster/Stucco	16.09
09 01 20 91-0010	LF	>10' To 50', Chip, Clean And Repair Crack In Plaster/Stucco	12.90
09 01 20 91-0011	LF	>50' To 100', Chip, Clean And Repair Crack In Plaster/Stucco	10.50
09 01 20 91-0012	LF	>100' To 250', Chip, Clean And Repair Crack In Plaster/Stucco	8.11
09 01 20 91-0013	LF	>250' To 500', Chip, Clean And Repair Crack In Plaster/Stucco	6.51
09 01 20 91-0014	LF	>500', Chip, Clean And Repair Crack In Plaster/Stucco	4.92

09 01 20 91-0015 Cut And Patch Hole In Plaster To Match Existing ^(09 01 20 91-0007) Note: Includes plaster weld.

09 01 20 91-0016	SF	Up To 10 SF, Cut And Patch Hole In Plaster To Match Existing	15.04
09 01 20 91-0017	SF	>10 To 50 SF, Cut And Patch Hole In Plaster To Match Existing	13.26
09 01 20 91-0018	SF	>50 To 100 SF, Cut And Patch Hole In Plaster To Match Existing	12.19
09 01 20 91-0019	SF	>100 To 250 SF, Cut And Patch Hole In Plaster To Match Existing	11.31
09 01 20 91-0020	SF	>250 To 500 SF, Cut And Patch Hole In Plaster To Match Existing	10.52
09 01 20 91-0021	SF	>500 SF, Cut And Patch Hole In Plaster To Match Existing	9.66

09 01 20 91-0022 Chip, Clean And Repair Plaster/Stucco ^(09 01 20 91-0007) Note: Includes plaster weld.

09 01 20 91-0023	SF	Up To 10 SF, Chip, Clean And Repair Plaster/Stucco	28.72
09 01 20 91-0024	SF	>10 To 50 SF, Chip, Clean And Repair Plaster/Stucco	20.74
09 01 20 91-0025	SF	>50 To 250 SF, Chip, Clean And Repair Plaster/Stucco	15.15
09 01 20 91-0026	SF	>250 SF, Chip, Clean And Repair Plaster/Stucco	11.96

09 01 30 Maintenance of Tiling ^(09 01)

09 01 30 91 Tile Restoration ^(09 01 30)

09 01 30 91-0001	SF	RegROUT Floor Tile Including Removal Of Loose Grout	5.93
09 01 30 91-0002	SF	RegROUT Wall Tile Including Removal Of Loose Grout	7.40
09 01 30 91-0003	SF	Up To 1 SF, Cut And Patch Hole In Tile To Match Existing Note: Per location.	37.84

09 01 60 Maintenance Of Flooring ^(09 01)

09 01 60 91 Flooring Restoration ^(09 01 60)

09 01 60 91-0001	LF	Grinding, Polishing And Sealing Terrazzo ^(09 01 60 91)	
09 01 60 91-0002	CSF	Grinding, Polishing And Sealing Existing Terrazzo	264.75
09 01 60 91-0003	SF	Removal Of Setting Bed And Clean Area For Terrazzo Repair	4.00
09 01 60 91-0004	SF	Repair Existing Terrazzo	19.03
09 01 60 91-0005	LF	Repair Cracks In Existing Terrazzo	4.19

09 01 60 91-0006 Standard Flooring Maintenance ^(09 01 60 91)

09 01 60 91-0007	CSF	Steam Clean Carpet	17.18
09 01 60 91-0008	CSF	Wax And Polish Tile	38.03
		<i>For Additional Coat, Add</i>	31.41
09 01 60 91-0009	CSF	Wax And Polish Wood <i>For Additional Coat, Add</i>	21.34 18.40

09 Finishes**09 01 Maintenance Of Finishes****09 01 60 Maintenance Of Flooring**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 01 60 91-0010 MSF Vacuum Floors.....	20.38	
09 01 60 91-0011 Prepare Existing Concrete Floor Prior To Installation Of Carpet (09 01 60 91)		
09 01 60 91-0012 SY Grinding Of Existing Concrete Floor Prior To Installation Of Carpet.....	11.99	
09 01 60 91-0013 SY Chemical Prepare Existing Concrete Floor Prior To Installation Of Carpet.....	6.59	
09 01 60 91-0014 Masonry/Tile/Stone/Terrazzo Floor Sealants (09 01 60 91)		
09 01 60 91-0015 SF Water-Based Emulsion Masonry/Tile/Stone/Terrazzo Floor Sealant/Finish, Per Coat.....	1.06	
Note: For terrazzo, concrete, quarry tile, brick and unglazed ceramic tile.		
09 01 60 91-0016 SF Fluorochemical Acrylate Copolymer Masonry/Tile/Stone/Terrazzo Floor Sealant.....	1.19	
09 01 60 91-0017 GAL Masonry/Tile/Stone/Terrazzo Floor Sealant (Extra To Be Provided To Owner).....	36.12	

09 05 Common Work Results For Finishes (09)**09 05 61 Common Work Results for Flooring Preparation** (09 05)**09 05 61 13 Moisture Vapor Emission Control** (09 05 61)**09 05 61 13-0001 Moisture Vapor Reduction (Koester VAP)** (09 05 61 13)

09 05 61 13-0002 EA Up To 200 SF, Water Vapor Emission Control System (Koester VAP 1-2000).....	1,892.33	
Note: Clear		
09 05 61 13-0003 SF >200 To 500 SF, Water Vapor Emission Control System (Koester VAP 1-2001).....	10.01	
Note: Clear		
09 05 61 13-0004 SF >500 To 1,000 SF, Water Vapor Emission Control System (Koester VAP 1-2002).....	6.68	
Note: Clear		
09 05 61 13-0005 SF >1,000 To 3,000 SF, Water Vapor Emission Control System (Koester VAP 1-2003).....	5.57	
Note: Clear		
09 05 61 13-0006 SF >3,000 SF, Water Vapor Emission Control System (Koester VAP 1-2004).....	4.44	
Note: Clear		

09 05 61 13-0007 Moisture Vapor Transmission Control (Dependable Cutdown® II) (09 05 61 13)

09 05 61 13-0008 SF 8# Two Coats, Moisture Vapor Transmission Control (Dependable Cutdown® II).....	2.86	
09 05 61 13-0009 SF 15# Two Coats, Moisture Vapor Transmission Control (Dependable Cutdown® II).....	3.77	

09 05 71 Acoustic Underlayment (09 05)**09 05 71 00-0001 Tile And Stone Acoustical Underlayment** (09 05 71)

09 05 71 00-0002 SF 5 Mil Tile And Stone Acoustical Underlayment (EasyMat).....	2.61	
For Chemical Resistant Epoxy Grout, Add	0.36	

09 05 71 00-0003 Resilient Floor Acoustical Underlayment (09 05 71)

09 05 71 00-0004 SF Vinyl, Linoleum, LVT And Vinyl Strip Flooring Acoustical Underlayment (Impacta, Soundseal VC300).....	1.98	
09 05 71 00-0005 SF 2 MM Thick Resilient Plank Floor Acoustical Underlayment (Floormuffler).....	1.26	
09 05 71 00-0006 SF 0.055" Thick High Density Polyurethane Foam Floor Acoustical Underlayment (Silencer LVT).....	1.58	

09 20 Plaster And Gypsum Board (09)**09 22 Supports For Plaster And Gypsum Board** (09 20)

Note: Per SF of wall area measures one side. Do not deduct for opens of less than 25 SF when calculating total wall square footage.

09 22 13 Metal Furring (09 22)**09 22 13 00-0001 Hat Furring Channel** (09 22 13)

Note: Includes clips where required.

09 22 13 00-0002 Installed On Walls, Hat Furring Channel (09 22 13 00-0001)

09 22 13 00-0003 SF 7/8", 25 Gauge, 16" On Center, Installed On Walls, Hat Furring Channel.....	3.34	1.43
For Walls >10' High, Add	0.43	
For 24" On Center, Deduct	-0.38	
For 12" On Center, Add	0.53	
For 22 Gauge, Add	0.46	
For 20 Gauge, Add	0.75	
09 22 13 00-0004 SF 1-1/2", 25 Gauge, 16" On Center, Installed On Walls, Hat Furring Channel.....	3.53	1.43
For Walls >10' High, Add	0.43	
For 24" On Center, Deduct	-0.42	
For 12" On Center, Add	0.56	
For 22 Gauge, Add	0.55	
For 20 Gauge, Add	0.88	

09 22 13 00-0005 Installed On Columns And Beams, Hat Furring Channel (09 22 13 00-0001)



Finishes	09
Plaster And Gypsum Board	09 20
Supports For Plaster And Gypsum Board	09 22

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 22 13 00-0006	SF		7/8", 25 Gauge, 16" On Center, Installed On Columns And Beams, Hat Furring Channel <i>For Columns And Beams >10' High, Add</i> <i>For 24" On Center, Deduct</i> <i>For 12" On Center, Add</i> <i>For 22 Gauge, Add</i> <i>For 20 Gauge, Add</i>	4.87 0.88 -0.54 0.76 0.57 0.98	2.19
09 22 13 00-0007	SF		1-1/2", 25 Gauge, 16" On Center, Installed On Columns And Beams, Hat Furring Channel <i>For Columns And Beams >10' High, Add</i> <i>For 24" On Center, Deduct</i> <i>For 12" On Center, Add</i> <i>For 22 Gauge, Add</i> <i>For 20 Gauge, Add</i>	5.06 0.88 -0.57 0.79 0.67 1.11	2.19
09 22 13 00-0008			Installed On Ceilings, Hat Furring Channel <small>(09 22 13 00-0001)</small>		
09 22 13 00-0009	SF		7/8", 25 Gauge, 16" On Center, Installed On Ceilings, Hat Furring Channel <i>For Ceilings >10' High, Add</i> <i>For 24" On Center, Deduct</i> <i>For 12" On Center, Add</i> <i>For 22 Gauge, Add</i> <i>For 20 Gauge, Add</i>	4.32 0.53 -0.51 0.69 0.67 1.06	1.76
09 22 13 00-0010	SF		1-1/2", 25 Gauge, 16" On Center, Installed On Ceilings, Hat Furring Channel <i>For Ceilings >10' High, Add</i> <i>For 24" On Center, Deduct</i> <i>For 12" On Center, Add</i> <i>For 22 Gauge, Add</i> <i>For 20 Gauge, Add</i>	4.51 0.53 -0.55 0.73 0.76 1.19	1.76
09 22 13 00-0011			Z Furring Channel <small>(09 22 13)</small>		
09 22 13 00-0012			Installed On Walls, Z Furring Channel <small>(09 22 13 00-0011)</small>		
09 22 13 00-0013	SF		1", 25 Gauge, 16" On Center, Installed On Walls, Z Furring Channel <i>For Walls >10' High, Add</i> <i>For 24" On Center, Deduct</i> <i>For 12" On Center, Add</i> <i>For 22 Gauge, Add</i> <i>For 20 Gauge, Add</i>	3.01 0.43 -0.32 0.46 0.29 0.53	1.43
09 22 13 00-0014	SF		1-1/2", 25 Gauge, 16" On Center, Installed On Walls, Z Furring Channel <i>For Walls >10' High, Add</i> <i>For 24" On Center, Deduct</i> <i>For 12" On Center, Add</i> <i>For 22 Gauge, Add</i> <i>For 20 Gauge, Add</i>	3.04 0.43 -0.32 0.47 0.31 0.55	1.43
09 22 13 00-0015	SF		2", 25 Gauge, 16" On Center, Installed On Walls, Z Furring Channel <i>For Walls >10' High, Add</i> <i>For 24" On Center, Deduct</i> <i>For 12" On Center, Add</i> <i>For 22 Gauge, Add</i> <i>For 20 Gauge, Add</i>	3.07 0.43 -0.33 0.47 0.32 0.57	1.43
09 22 13 00-0016	SF		2-1/2", 25 Gauge, 16" On Center, Installed On Walls, Z Furring Channel <i>For Walls >10' High, Add</i> <i>For 24" On Center, Deduct</i> <i>For 12" On Center, Add</i> <i>For 22 Gauge, Add</i> <i>For 20 Gauge, Add</i>	3.09 0.43 -0.33 0.48 0.33 0.59	1.43
09 22 13 00-0017	SF		3", 25 Gauge, 16" On Center, Installed On Walls, Z Furring Channel <i>For Walls >10' High, Add</i> <i>For 24" On Center, Deduct</i> <i>For 12" On Center, Add</i> <i>For 22 Gauge, Add</i> <i>For 20 Gauge, Add</i>	3.11 0.43 -0.34 0.48 0.34 0.60	1.43
09 22 13 00-0018			Single-Leg Resilient Channel, RC1 Furring Channel <small>(09 22 13)</small> Note: Includes clips where required.		
09 22 13 00-0019			Installed On Walls, Single-Leg Resilient Channel, RC1 Furring Channel <small>(09 22 13 00-0018)</small>		
09 22 13 00-0020	SF		25 Gauge, 16" On Center, Installed On Walls, Single-Leg Resilient Channel, RC1 Furring Channel <i>For Walls >10' High, Add</i> <i>For 24" On Center, Deduct</i> <i>For 12" On Center, Add</i> <i>For 20 Gauge, Add</i>	3.19 0.43 -0.35 0.50 0.65	1.43
09 22 13 00-0021			Installed On Ceilings, Single-Leg Resilient Channel, RC1 Furring Channel <small>(09 22 13 00-0018)</small>		
09 22 13 00-0022	SF		25 Gauge, 16" On Center, Installed On Ceilings, Single-Leg Resilient Channel, RC1 Furring Channel <i>For Ceilings >10' High, Add</i> <i>For 24" On Center, Deduct</i> <i>For 12" On Center, Add</i> <i>For 20 Gauge, Add</i>	3.85 0.53 -0.42 0.59 0.75	1.76

09 Finishes

09 20 Plaster And Gypsum Board

09 22 Supports For Plaster And Gypsum Board



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 22 13 00-0023			Double-Leg Resilient Channel, RC2 Furring Channel <small>(09 22 13)</small> Note: Includes clips where required.		
09 22 13 00-0024			Installed On Walls, Double-Leg Resilient Channel, RC2 Furring Channel <small>(09 22 13 00-0023)</small>		
09 22 13 00-0025	SF		25 Gauge, 16" On Center, Installed On Walls, Double-Leg Resilient Channel, RC2 Furring Channel	3.31	1.43
			<i>For Walls >10' High, Add</i>	0.43	
			<i>For 24" On Center, Deduct</i>	-0.38	
			<i>For 12" On Center, Add</i>	0.52	
			<i>For 20 Gauge, Add</i>	0.73	
09 22 13 00-0026			Installed On Ceilings, Double-Leg Resilient Channel, RC2 Furring Channel <small>(09 22 13 00-0023)</small>		
09 22 13 00-0027	SF		25 Gauge, 16" On Center, Installed On Ceilings, Double-Leg Resilient Channel, RC2 Furring Channel	3.97	1.76
			<i>For Ceilings >10' High, Add</i>	0.53	
			<i>For 24" On Center, Deduct</i>	-0.44	
			<i>For 12" On Center, Add</i>	0.62	
			<i>For 20 Gauge, Add</i>	0.83	
09 22 16			Non-Structural Metal Framing <small>(09 22)</small> Note: Includes all necessary framing studs, bridging, fasteners necessary to attach to floors, walls, ceilings and a metal stiffener at half height. Per SF of wall area measures one side. Do not deduct for openings of less than 25 SF when calculating total wall square footage.		
09 22 16 13			Non-Structural Metal Stud Framing <small>(09 22 16)</small>		
09 22 16 13-0001			25 Gauge, Non Load Bearing, Non Structural Metal Stud Framing With Tracks And Runners <small>(09 22 16 13)</small>		
09 22 16 13-0002	SF		1-5/8" Width, 16" On Center, 25 Gauge, Non Load Bearing, Non Structural Metal Stud Framing With Tracks And Runners	2.03	0.59
			<i>For Walls >10' High, Add</i>	0.41	
			<i>For Soffit, Columns Or Beams Up To 10' High, Add</i>	1.40	
			<i>For Soffit, Columns Or Beams >10' High, Add</i>	1.84	
			<i>For Horizontal Installation Up To 10' High, Add</i>	0.43	
			<i>For Horizontal Installation >10' High, Add</i>	0.58	
			<i>For Curved Wall, Add</i>	0.45	
			<i>For 12" On Center, Add</i>	0.33	
			<i>For 24" On Center, Deduct</i>	-0.33	
			<i>For Up To 200, Add</i>	0.70	
			<i>For >200 To 500, Add</i>	0.35	
09 22 16 13-0003	SF		2-1/2" Width, 16" On Center, 25 Gauge, Non Load Bearing, Non Structural Metal Stud Framing With Tracks And Runners	2.14	0.62
			<i>For Walls >10' High, Add</i>	0.43	
			<i>For Soffit, Columns Or Beams Up To 10' High, Add</i>	1.45	
			<i>For Soffit, Columns Or Beams >10' High, Add</i>	1.92	
			<i>For Horizontal Installation Up To 10' High, Add</i>	0.45	
			<i>For Horizontal Installation >10' High, Add</i>	0.60	
			<i>For Curved Wall, Add</i>	0.47	
			<i>For 12" On Center, Add</i>	0.35	
			<i>For 24" On Center, Deduct</i>	-0.35	
			<i>For Up To 200, Add</i>	0.74	
			<i>For >200 To 500, Add</i>	0.37	
09 22 16 13-0004	SF		3-5/8" Width, 16" On Center, 25 Gauge, Non Load Bearing, Non Structural Metal Stud Framing With Tracks And Runners	2.32	0.65
			<i>For Walls >10' High, Add</i>	0.46	
			<i>For Soffit, Columns Or Beams Up To 10' High, Add</i>	1.54	
			<i>For Soffit, Columns Or Beams >10' High, Add</i>	2.03	
			<i>For Horizontal Installation Up To 10' High, Add</i>	0.48	
			<i>For Horizontal Installation >10' High, Add</i>	0.64	
			<i>For Curved Wall, Add</i>	0.49	
			<i>For 12" On Center, Add</i>	0.38	
			<i>For 24" On Center, Deduct</i>	-0.38	
			<i>For Up To 200, Add</i>	0.79	
			<i>For >200 To 500, Add</i>	0.40	
09 22 16 13-0005	SF		4" Width, 16" On Center, 25 Gauge, Non Load Bearing, Non Structural Metal Stud Framing With Tracks And Runners	2.47	0.68
			<i>For Walls >10' High, Add</i>	0.49	
			<i>For Soffit, Columns Or Beams Up To 10' High, Add</i>	1.62	
			<i>For Soffit, Columns Or Beams >10' High, Add</i>	2.13	
			<i>For Horizontal Installation Up To 10' High, Add</i>	0.50	
			<i>For Horizontal Installation >10' High, Add</i>	0.67	
			<i>For Curved Wall, Add</i>	0.51	
			<i>For 12" On Center, Add</i>	0.41	
			<i>For 24" On Center, Deduct</i>	-0.41	
			<i>For Up To 200, Add</i>	0.84	
			<i>For >200 To 500, Add</i>	0.42	



Finishes	09	09
Plaster And Gypsum Board	09 20	
Supports For Plaster And Gypsum Board	09 22	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 22 16 13-0006 SF 6" Width, 16" On Center, 25 Gauge, Non Load Bearing, Non Structural Metal Stud Framing With Tracks And Runners.....	2.73	0.72
For Walls >10' High, Add	0.55	
For Soffit, Columns Or Beams Up To 10' High, Add	1.71	
For Soffit, Columns Or Beams >10' High, Add	2.25	
For Horizontal Installation Up To 10' High, Add	0.54	
For Horizontal Installation >10' High, Add	0.72	
For Curved Wall, Add	0.54	
For 12" On Center, Add	0.46	
For 24" On Center, Deduct	-0.46	
For Up To 200, Add	0.91	
For >200 To 500, Add	0.45	
09 22 16 13-0007 20 Gauge, Non Load Bearing, Non Structural Metal Stud Framing With Tracks And Runners (09 22 16 13)		
09 22 16 13-0008 SF 1-5/8" Width, 16" On Center, 20 Gauge, Non Load Bearing, Non Structural Metal Stud Framing With Tracks And Runners.....	2.24	0.60
For Walls >10' High, Add	0.45	
For Soffit, Columns Or Beams Up To 10' High, Add	1.44	
For Soffit, Columns Or Beams >10' High, Add	1.90	
For Horizontal Installation Up To 10' High, Add	0.45	
For Horizontal Installation >10' High, Add	0.60	
For Curved Wall, Add	0.46	
For 12" On Center, Add	0.37	
For 24" On Center, Deduct	-0.37	
For Up To 200, Add	0.75	
For >200 To 500, Add	0.38	
09 22 16 13-0009 SF 2-1/2" Width, 16" On Center, 20 Gauge, Non Load Bearing, Non Structural Metal Stud Framing With Tracks And Runners.....	2.44	0.64
For Walls >10' High, Add	0.49	
For Soffit, Columns Or Beams Up To 10' High, Add	1.52	
For Soffit, Columns Or Beams >10' High, Add	2.00	
For Horizontal Installation Up To 10' High, Add	0.48	
For Horizontal Installation >10' High, Add	0.64	
For Curved Wall, Add	0.48	
For 12" On Center, Add	0.41	
For 24" On Center, Deduct	-0.41	
For Up To 200, Add	0.81	
For >200 To 500, Add	0.40	
09 22 16 13-0010 SF 3-5/8" Width, 16" On Center, 20 Gauge, Non Load Bearing, Non Structural Metal Stud Framing With Tracks And Runners.....	2.67	0.66
For Walls >10' High, Add	0.53	
For Soffit, Columns Or Beams Up To 10' High, Add	1.61	
For Soffit, Columns Or Beams >10' High, Add	2.12	
For Horizontal Installation Up To 10' High, Add	0.52	
For Horizontal Installation >10' High, Add	0.69	
For Curved Wall, Add	0.50	
For 12" On Center, Add	0.45	
For 24" On Center, Deduct	-0.45	
For Up To 200, Add	0.87	
For >200 To 500, Add	0.44	
09 22 16 13-0011 SF 4" Width, 16" On Center, 20 Gauge, Non Load Bearing, Non Structural Metal Stud Framing With Tracks And Runners.....	2.84	0.70
For Walls >10' High, Add	0.57	
For Soffit, Columns Or Beams Up To 10' High, Add	1.69	
For Soffit, Columns Or Beams >10' High, Add	2.22	
For Horizontal Installation Up To 10' High, Add	0.55	
For Horizontal Installation >10' High, Add	0.72	
For Curved Wall, Add	0.53	
For 12" On Center, Add	0.48	
For 24" On Center, Deduct	-0.48	
For Up To 200, Add	0.92	
For >200 To 500, Add	0.46	
09 22 16 13-0012 SF 6" Width, 16" On Center, 20 Gauge, Non Load Bearing, Non Structural Metal Stud Framing With Tracks And Runners.....	3.76	0.73
For Walls >10' High, Add	0.75	
For Soffit, Columns Or Beams Up To 10' High, Add	1.85	
For Soffit, Columns Or Beams >10' High, Add	2.40	
For Horizontal Installation Up To 10' High, Add	0.65	
For Horizontal Installation >10' High, Add	0.84	
For Curved Wall, Add	0.55	
For 12" On Center, Add	0.66	
For 24" On Center, Deduct	-0.66	
For Up To 200, Add	1.12	
For >200 To 500, Add	0.56	
09 22 16 13-0013 18 Gauge, Non Load Bearing, Non Structural Metal Stud Framing With Tracks And Runners (09 22 16 13)		

09 Finishes

09 20 Plaster And Gypsum Board

09 22 Supports For Plaster And Gypsum Board



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 22 16 13-0014	SF		2-1/2" Width, 16" On Center, 18 Gauge, Non Load Bearing, Non Structural Metal Stud Framing With Tracks And Runners.....	3.20	0.65
			For Walls >10' High, Add	0.64	
			For Soffit, Columns Or Beams Up To 10' High, Add	1.62	
			For Soffit, Columns Or Beams >10' High, Add	2.11	
			For Horizontal Installation Up To 10' High, Add	0.56	
			For Horizontal Installation >10' High, Add	0.73	
			For Curved Wall, Add	0.49	
			For 12" On Center, Add	0.56	
			For 24" On Center, Deduct	-0.56	
			For Up To 200, Add	0.97	
			For >200 To 500, Add	0.48	
09 22 16 13-0015	SF		3-5/8" Width, 16" On Center, 18 Gauge, Non Load Bearing, Non Structural Metal Stud Framing With Tracks And Runners.....	3.52	0.68
			For Walls >10' High, Add	0.70	
			For Soffit, Columns Or Beams Up To 10' High, Add	1.73	
			For Soffit, Columns Or Beams >10' High, Add	2.24	
			For Horizontal Installation Up To 10' High, Add	0.61	
			For Horizontal Installation >10' High, Add	0.78	
			For Curved Wall, Add	0.52	
			For 12" On Center, Add	0.62	
			For 24" On Center, Deduct	-0.62	
			For Up To 200, Add	1.05	
			For >200 To 500, Add	0.52	
09 22 16 13-0016	SF		4" Width, 16" On Center, 18 Gauge, Non Load Bearing, Non Structural Metal Stud Framing With Tracks And Runners.....	3.76	0.72
			For Walls >10' High, Add	0.75	
			For Soffit, Columns Or Beams Up To 10' High, Add	1.82	
			For Soffit, Columns Or Beams >10' High, Add	2.36	
			For Horizontal Installation Up To 10' High, Add	0.65	
			For Horizontal Installation >10' High, Add	0.83	
			For Curved Wall, Add	0.54	
			For 12" On Center, Add	0.66	
			For 24" On Center, Deduct	-0.66	
			For Up To 200, Add	1.11	
			For >200 To 500, Add	0.56	
09 22 16 13-0017	SF		6" Width, 16" On Center, 18 Gauge, Non Load Bearing, Non Structural Metal Stud Framing With Tracks And Runners.....	4.78	0.75
			For Walls >10' High, Add	0.96	
			For Soffit, Columns Or Beams Up To 10' High, Add	2.00	
			For Soffit, Columns Or Beams >10' High, Add	2.57	
			For Horizontal Installation Up To 10' High, Add	0.76	
			For Horizontal Installation >10' High, Add	0.95	
			For Curved Wall, Add	0.57	
			For 12" On Center, Add	0.86	
			For 24" On Center, Deduct	-0.86	
			For Up To 200, Add	1.34	
			For >200 To 500, Add	0.67	
09 22 16 13-0018	SF		8" Width, 16" On Center, 18 Gauge, Non Load Bearing, Non Structural Metal Stud Framing With Tracks And Runners.....	5.17	0.79
			For Walls >10' High, Add	1.03	
			For Soffit, Columns Or Beams Up To 10' High, Add	2.10	
			For Soffit, Columns Or Beams >10' High, Add	2.70	
			For Horizontal Installation Up To 10' High, Add	0.81	
			For Horizontal Installation >10' High, Add	1.01	
			For Curved Wall, Add	0.59	
			For 12" On Center, Add	0.94	
			For 24" On Center, Deduct	-0.94	
			For Up To 200, Add	1.43	
			For >200 To 500, Add	0.72	
09 22 16 13-0019			16 Gauge, Non Load Bearing, Non Structural Metal Stud Framing With Tracks And Runners (09 22 16 13)		
09 22 16 13-0020	SF		2-1/2" Width, 16" On Center, 16 Gauge, Non Load Bearing, Non Structural Metal Stud Framing With Tracks And Runners.....	3.39	0.66
			For Walls >10' High, Add	0.68	
			For Soffit, Columns Or Beams Up To 10' High, Add	1.68	
			For Soffit, Columns Or Beams >10' High, Add	2.19	
			For Horizontal Installation Up To 10' High, Add	0.59	
			For Horizontal Installation >10' High, Add	0.76	
			For Curved Wall, Add	0.50	
			For 12" On Center, Add	0.59	
			For 24" On Center, Deduct	-0.59	
			For Up To 200, Add	1.01	
			For >200 To 500, Add	0.51	



Finishes	09	
Plaster And Gypsum Board	09 20	9
Supports For Plaster And Gypsum Board	09 22	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 22 16 13-0021	SF		3-5/8" Width, 16" On Center, 16 Gauge, Non Load Bearing, Non Structural Metal Stud Framing With Tracks And Runners.....	3.92	0.70
			<i>For Walls >10' High, Add</i>	0.78	
			<i>For Soffit, Columns Or Beams Up To 10' High, Add</i>	1.80	
			<i>For Soffit, Columns Or Beams >10' High, Add</i>	2.33	
			<i>For Horizontal Installation Up To 10' High, Add</i>	0.66	
			<i>For Horizontal Installation >10' High, Add</i>	0.83	
			<i>For Curved Wall, Add</i>	0.53	
			<i>For 12" On Center, Add</i>	0.70	
			<i>For 24" On Center, Deduct</i>	-0.70	
			<i>For Up To 200, Add</i>	1.14	
			<i>For >200 To 500, Add</i>	0.57	
09 22 16 13-0022	SF		4" Width, 16" On Center, 16 Gauge, Non Load Bearing, Non Structural Metal Stud Framing With Tracks And Runners.....	4.14	0.73
			<i>For Walls >10' High, Add</i>	0.83	
			<i>For Soffit, Columns Or Beams Up To 10' High, Add</i>	1.89	
			<i>For Soffit, Columns Or Beams >10' High, Add</i>	2.44	
			<i>For Horizontal Installation Up To 10' High, Add</i>	0.69	
			<i>For Horizontal Installation >10' High, Add</i>	0.87	
			<i>For Curved Wall, Add</i>	0.55	
			<i>For 12" On Center, Add</i>	0.74	
			<i>For 24" On Center, Deduct</i>	-0.74	
			<i>For Up To 200, Add</i>	1.20	
			<i>For >200 To 500, Add</i>	0.60	
09 22 16 13-0023	SF		6" Width, 16" On Center, 16 Gauge, Non Load Bearing, Non Structural Metal Stud Framing With Tracks And Runners.....	5.12	0.77
			<i>For Walls >10' High, Add</i>	1.02	
			<i>For Soffit, Columns Or Beams Up To 10' High, Add</i>	2.06	
			<i>For Soffit, Columns Or Beams >10' High, Add</i>	2.65	
			<i>For Horizontal Installation Up To 10' High, Add</i>	0.80	
			<i>For Horizontal Installation >10' High, Add</i>	1.00	
			<i>For Curved Wall, Add</i>	0.58	
			<i>For 12" On Center, Add</i>	0.93	
			<i>For 24" On Center, Deduct</i>	-0.93	
			<i>For Up To 200, Add</i>	1.41	
			<i>For >200 To 500, Add</i>	0.71	
09 22 16 13-0024	SF		8" Width, 16" On Center, 16 Gauge, Non Load Bearing, Non Structural Metal Stud Framing With Tracks And Runners.....	5.61	0.81
			<i>For Walls >10' High, Add</i>	1.12	
			<i>For Soffit, Columns Or Beams Up To 10' High, Add</i>	2.19	
			<i>For Soffit, Columns Or Beams >10' High, Add</i>	2.79	
			<i>For Horizontal Installation Up To 10' High, Add</i>	0.87	
			<i>For Horizontal Installation >10' High, Add</i>	1.07	
			<i>For Curved Wall, Add</i>	0.61	
			<i>For 12" On Center, Add</i>	1.02	
			<i>For 24" On Center, Deduct</i>	-1.02	
			<i>For Up To 200, Add</i>	1.53	
			<i>For >200 To 500, Add</i>	0.76	
09 22 16 13-0025			Galvanized Steel Backing Plates <small>(09 22 16 13)</small>		
			Note: Used to attach fixtures, cabinets, shelves or handrails to metal stud walls.		
09 22 16 13-0026	LF		3" Wide, 25 Gauge Galvanized Steel Backing Plate.....	1.02	
09 22 16 13-0027	LF		4" Wide, 25 Gauge Galvanized Steel Backing Plate.....	1.22	
09 22 16 13-0028	LF		6" Wide, 25 Gauge Galvanized Steel Backing Plate.....	1.51	
09 22 16 13-0029	LF		8" Wide, 25 Gauge Galvanized Steel Backing Plate.....	1.82	
09 22 16 13-0030	LF		10" Wide, 25 Gauge Galvanized Steel Backing Plate.....	2.13	
09 22 16 13-0031	LF		12" Wide, 25 Gauge Galvanized Steel Backing Plate.....	2.53	
09 22 16 13-0032	LF		3" Wide, 20 Gauge Galvanized Steel Backing Plate.....	1.24	
09 22 16 13-0033	LF		4" Wide, 20 Gauge Galvanized Steel Backing Plate.....	1.51	
09 22 16 13-0034	LF		6" Wide, 20 Gauge Galvanized Steel Backing Plate.....	1.95	
09 22 16 13-0035	LF		8" Wide, 20 Gauge Galvanized Steel Backing Plate.....	2.39	
09 22 16 13-0036	LF		10" Wide, 20 Gauge Galvanized Steel Backing Plate.....	2.85	
09 22 16 13-0037	LF		12" Wide, 20 Gauge Galvanized Steel Backing Plate.....	3.38	
09 22 16 13-0038	LF		3" Wide, 16 Gauge Galvanized Steel Backing Plate.....	1.63	
09 22 16 13-0039	LF		4" Wide, 16 Gauge Galvanized Steel Backing Plate.....	1.99	
09 22 16 13-0040	LF		6" Wide, 16 Gauge Galvanized Steel Backing Plate.....	2.63	
09 22 16 13-0041	LF		8" Wide, 16 Gauge Galvanized Steel Backing Plate.....	3.27	
09 22 16 13-0042	LF		10" Wide, 16 Gauge Galvanized Steel Backing Plate.....	3.97	
09 22 16 13-0043	LF		12" Wide, 16 Gauge Galvanized Steel Backing Plate.....	4.65	
09 22 16 13-0044	LF		3" Wide, 14 Gauge Galvanized Steel Backing Plate.....	1.88	
09 22 16 13-0045	LF		4" Wide, 14 Gauge Galvanized Steel Backing Plate.....	2.31	
09 22 16 13-0046	LF		6" Wide, 14 Gauge Galvanized Steel Backing Plate.....	3.11	
09 22 16 13-0047	LF		8" Wide, 14 Gauge Galvanized Steel Backing Plate.....	3.91	
09 22 16 13-0048	LF		10" Wide, 14 Gauge Galvanized Steel Backing Plate.....	4.78	
09 22 16 13-0049	LF		12" Wide, 14 Gauge Galvanized Steel Backing Plate.....	5.62	

09 22 36 Lath (09 22)

09 22 36 13 Gypsum Lath (09 22 36)

09 22 36 13-0001 Plaster Base Gypsum Panels (09 22 36 13)

09 Finishes**09 20 Plaster And Gypsum Board****09 22 Supports For Plaster And Gypsum Board**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 22 36 13-0002 SF 3/8" Thick, Installed On Studs Or Furred Walls, Plaster Base Gypsum Panel.....	1.06	0.39
For Walls >10' High, Add	0.10	
For Up To 100, Add	0.40	
For >100 To 500, Add	0.20	
For >5,000, Deduct	-0.08	
09 22 36 13-0003 SF 1/2" Thick, Installed On Studs Or Furred Walls, Plaster Base Gypsum Panel.....	1.41	0.45
For Walls >10' High, Add	0.11	
For Up To 100, Add	0.46	
For >100 To 500, Add	0.23	
For >5,000, Deduct	-0.09	
09 22 36 13-0004 SF 5/8" Thick, Installed On Studs Or Furred Walls, Plaster Base Gypsum Panel.....	1.77	0.52
For Walls >10' High, Add	0.13	
For Up To 100, Add	0.52	
For >100 To 500, Add	0.26	
For >5,000, Deduct	-0.10	
09 22 36 13-0005 SF 3/8" Thick, Installed On Ceiling, Plaster Base Gypsum Panel	1.38	0.55
For Ceilings >10' High, Add	0.17	
For Up To 100, Add	0.56	
For >100 To 500, Add	0.28	
For >5,000, Deduct	-0.11	
09 22 36 13-0006 SF 1/2" Thick, Installed On Ceiling, Plaster Base Gypsum Panel	1.78	0.64
For Ceilings >10' High, Add	0.19	
For Up To 100, Add	0.64	
For >100 To 500, Add	0.32	
For >5,000, Deduct	-0.13	
09 22 36 13-0007 SF 5/8" Thick, Installed On Ceiling, Plaster Base Gypsum Panel	2.19	0.73
For Ceilings >10' High, Add	0.22	
For Up To 100, Add	0.73	
For >100 To 500, Add	0.37	
For >5,000, Deduct	-0.15	
09 22 36 13-0008 SF 3/8" Thick, Installed On Columns And Beams, Plaster Base Gypsum Panel.....	1.69	0.71
For Columns And Beams >10' High, Add	0.21	
For Up To 100, Add	0.71	
For >100 To 500, Add	0.36	
For >5,000, Deduct	-0.14	
09 22 36 13-0009 SF 1/2" Thick, Installed On Columns And Beams, Plaster Base Gypsum Panel.....	2.14	0.82
For Columns And Beams >10' High, Add	0.25	
For Up To 100, Add	0.82	
For >100 To 500, Add	0.41	
For >5,000, Deduct	-0.16	
09 22 36 13-0010 SF 5/8" Thick, Installed On Columns And Beams, Plaster Base Gypsum Panel.....	2.61	0.94
For Columns And Beams >10' High, Add	0.28	
For Up To 100, Add	0.94	
For >100 To 500, Add	0.47	
For >5,000, Deduct	-0.19	
09 22 36 13-0011 Firestop Plaster Base Gypsum Panels (09 22 36 13)		
09 22 36 13-0012 SF 3/8" Thick, Installed On Studs Or Furred Walls, Firestop Plaster Base Gypsum Panel	1.39	0.39
For Walls >10' High, Add	0.10	
For Up To 100, Add	0.40	
For >100 To 500, Add	0.20	
For >5,000, Deduct	-0.08	
09 22 36 13-0013 SF 1/2" Thick, Installed On Studs Or Furred Walls, Firestop Plaster Base Gypsum Panel	1.61	0.45
For Walls >10' High, Add	0.11	
For Up To 100, Add	0.46	
For >100 To 500, Add	0.23	
For >5,000, Deduct	-0.09	
09 22 36 13-0014 SF 3/8" Thick, Installed On Ceilings, Firestop Plaster Base Gypsum Panel.....	1.71	0.55
For Ceilings >10' High, Add	0.17	
For Up To 100, Add	0.56	
For >100 To 500, Add	0.28	
For >5,000, Deduct	-0.11	
09 22 36 13-0015 SF 1/2" Thick, Installed On Ceilings, Firestop Plaster Base Gypsum Panel.....	1.98	0.64
For Ceilings >10' High, Add	0.19	
For Up To 100, Add	0.64	
For >100 To 500, Add	0.32	
For >5,000, Deduct	-0.13	
09 22 36 13-0016 SF 3/8" Thick, Installed On Columns And Beams, Firestop Plaster Base Gypsum Panel.....	2.02	0.71
For Columns And Beams >10' High, Add	0.21	
For Up To 100, Add	0.71	
For >100 To 500, Add	0.36	
For >5,000, Deduct	-0.14	
09 22 36 13-0017 SF 1/2" Thick, Installed On Columns And Beams, Firestop Plaster Base Gypsum Panel.....	2.34	0.82
For Columns And Beams >10' High, Add	0.25	
For Up To 100, Add	0.82	
For >100 To 500, Add	0.41	
For >5,000, Deduct	-0.16	
09 22 36 13-0018 Foil Back Plaster Base Gypsum Panels (09 22 36 13)		
09 22 36 13-0019 SF 3/8" Thick, Installed On Studs Or Furred Walls, Foil Back Plaster Base Gypsum Panel	1.39	0.39
For Walls >10' High, Add	0.10	
For Up To 100, Add	0.40	
For >100 To 500, Add	0.20	
For >5,000, Deduct	-0.08	



Finishes	09
Plaster And Gypsum Board	09 20
Supports For Plaster And Gypsum Board	09 22

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 22 36 13-0020	SF	1/2" Thick, Installed On Studs Or Furred Walls, Foil Back Plaster Base Gypsum Panel	1.61	0.45	
		<i>For Walls >10' High, Add</i>	0.11		
		<i>For Up To 100, Add</i>	0.46		
		<i>For >100 To 500, Add</i>	0.23		
		<i>For >5,000, Deduct</i>	-0.09		
09 22 36 13-0021	SF	3/8" Thick, Installed On Ceiling, Foil Back Plaster Base Gypsum Panel	1.71	0.55	
		<i>For Ceilings >10' High, Add</i>	0.17		
		<i>For Up To 100, Add</i>	0.56		
		<i>For >100 To 500, Add</i>	0.28		
		<i>For >5,000, Deduct</i>	-0.11		
09 22 36 13-0022	SF	1/2" Thick, Installed On Ceiling, Foil Back Plaster Base Gypsum Panel	1.98	0.64	
		<i>For Ceilings >10' High, Add</i>	0.19		
		<i>For Up To 100, Add</i>	0.64		
		<i>For >100 To 500, Add</i>	0.32		
		<i>For >5,000, Deduct</i>	-0.13		
09 22 36 13-0023	SF	3/8" Thick, Installed On Columns And Beams, Foil Back Plaster Base Gypsum Panel	2.02	0.71	
		<i>For Columns And Beams >10' High, Add</i>	0.21		
		<i>For Up To 100, Add</i>	0.71		
		<i>For >100 To 500, Add</i>	0.36		
		<i>For >5,000, Deduct</i>	-0.14		
09 22 36 13-0024	SF	1/2" Thick, Installed On Columns And Beams, Foil Back Plaster Base Gypsum Panel	2.34	0.82	
		<i>For Columns And Beams >10' High, Add</i>	0.25		
		<i>For Up To 100, Add</i>	0.82		
		<i>For >100 To 500, Add</i>	0.41		
		<i>For >5,000, Deduct</i>	-0.16		

09 22 36 23 Metal Lath (09 22 36)

09 22 36 23-0001 Flat Diamond, Expanded Metal Lath (09 22 36 23)

09 22 36 23-0002	SF	1.75 LB/SY, Installed On Studs Or Furred Walls, Flat Diamond, Expanded Metal Lath	1.70	0.54	
		<i>For Walls >10' High, Add</i>	0.15		
		<i>For Paper Backed Lath, Add</i>	0.06		
		<i>For Up To 100, Add</i>	0.61		
		<i>For >100 To 500, Add</i>	0.31		
		<i>For >5,000, Deduct</i>	-0.12		
09 22 36 23-0003	SF	2.0 LB/SY, Installed On Studs Or Furred Walls, Flat Diamond, Expanded Metal Lath	1.77	0.54	
		<i>For Walls >10' High, Add</i>	0.15		
		<i>For Paper Backed Lath, Add</i>	0.06		
		<i>For Up To 100, Add</i>	0.61		
		<i>For >100 To 500, Add</i>	0.31		
		<i>For >5,000, Deduct</i>	-0.12		
09 22 36 23-0004	SF	2.5 LB/SY, Installed On Studs Or Furred Walls, Flat Diamond, Expanded Metal Lath	1.83	0.54	
		<i>For Walls >10' High, Add</i>	0.15		
		<i>For Paper Backed Lath, Add</i>	0.06		
		<i>For Up To 100, Add</i>	0.61		
		<i>For >100 To 500, Add</i>	0.31		
		<i>For >5,000, Deduct</i>	-0.12		
09 22 36 23-0005	SF	3.4 LB/SY, Installed On Studs Or Furred Walls, Flat Diamond, Expanded Metal Lath	2.07	0.58	
		<i>For Walls >10' High, Add</i>	0.16		
		<i>For Paper Backed Lath, Add</i>	0.06		
		<i>For Up To 100, Add</i>	0.65		
		<i>For >100 To 500, Add</i>	0.33		
		<i>For >5,000, Deduct</i>	-0.13		
09 22 36 23-0006	SF	1.75 LB/SY, Installed On Ceiling, Flat Diamond, Expanded Metal Lath	1.88	0.62	
		<i>For Ceilings >10' High, Add</i>	0.21		
		<i>For Paper Backed Lath, Add</i>	0.06		
		<i>For Up To 100, Add</i>	0.70		
		<i>For >100 To 500, Add</i>	0.35		
		<i>For >5,000, Deduct</i>	-0.14		
09 22 36 23-0007	SF	2.0 LB/SY, Installed On Ceiling, Flat Diamond, Expanded Metal Lath	1.95	0.62	
		<i>For Ceilings >10' High, Add</i>	0.21		
		<i>For Paper Backed Lath, Add</i>	0.06		
		<i>For Up To 100, Add</i>	0.70		
		<i>For >100 To 500, Add</i>	0.35		
		<i>For >5,000, Deduct</i>	-0.14		
09 22 36 23-0008	SF	2.5 LB/SY, Installed On Ceiling, Flat Diamond, Expanded Metal Lath	2.01	0.62	
		<i>For Ceilings >10' High, Add</i>	0.21		
		<i>For Paper Backed Lath, Add</i>	0.06		
		<i>For Up To 100, Add</i>	0.70		
		<i>For >100 To 500, Add</i>	0.35		
		<i>For >5,000, Deduct</i>	-0.14		
09 22 36 23-0009	SF	3.4 LB/SY, Installed On Ceiling, Flat Diamond, Expanded Metal Lath	2.17	0.62	
		<i>For Ceilings >10' High, Add</i>	0.21		
		<i>For Paper Backed Lath, Add</i>	0.06		
		<i>For Up To 100, Add</i>	0.70		
		<i>For >100 To 500, Add</i>	0.35		
		<i>For >5,000, Deduct</i>	-0.14		
09 22 36 23-0010	SF	1.75 LB/SY, Installed On Columns And Beams, Flat Diamond, Expanded Metal Lath	2.50	0.87	
		<i>For Columns And Beams >10' High, Add</i>	0.29		
		<i>For Paper Backed Lath, Add</i>	0.06		
		<i>For Up To 100, Add</i>	0.98		
		<i>For >100 To 500, Add</i>	0.49		
		<i>For >5,000, Deduct</i>	-0.20		

09 Finishes**09 20 Plaster And Gypsum Board****09 22 Supports For Plaster And Gypsum Board**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 22 36 23-0011	SF		2.0 LB/SY, Installed On Columns And Beams, Flat Diamond, Expanded Metal Lath	2.56	0.87
			<i>For Columns And Beams >10' High, Add</i>	0.29	
			<i>For Paper Backed Lath, Add</i>	0.06	
			<i>For Up To 100, Add</i>	0.98	
			<i>For >100 To 500, Add</i>	0.49	
			<i>For >5,000, Deduct</i>	-0.20	
09 22 36 23-0012	SF		2.5 LB/SY, Installed On Columns And Beams, Flat Diamond, Expanded Metal Lath	2.63	0.87
			<i>For Columns And Beams >10' High, Add</i>	0.29	
			<i>For Paper Backed Lath, Add</i>	0.06	
			<i>For Up To 100, Add</i>	0.98	
			<i>For >100 To 500, Add</i>	0.49	
			<i>For >5,000, Deduct</i>	-0.20	
09 22 36 23-0013	SF		3.4 LB/SY, Installed On Columns And Beams, Flat Diamond, Expanded Metal Lath	3.27	1.11
			<i>For Columns And Beams >10' High, Add</i>	0.36	
			<i>For Paper Backed Lath, Add</i>	0.06	
			<i>For Up To 100, Add</i>	1.22	
			<i>For >100 To 500, Add</i>	0.61	
			<i>For >5,000, Deduct</i>	-0.24	
09 22 36 23-0014			Self Furring, Flat Diamond, Expanded Metal Lath <small>(09 22 36 23)</small>		
09 22 36 23-0015	SF		1.75 LB/SY, Installed On Solid Surface, Self Furring, Flat Diamond, Expanded Metal Lath	1.78	0.58
			<i>For Walls >10' High, Add</i>	0.16	
			<i>For Paper Backed Lath, Add</i>	0.06	
			<i>For Up To 100, Add</i>	0.65	
			<i>For >100 To 500, Add</i>	0.33	
			<i>For >5,000, Deduct</i>	-0.13	
09 22 36 23-0016	SF		2.0 LB/SY, Installed On Solid Surface, Self Furring, Flat Diamond, Expanded Metal Lath	1.85	0.58
			<i>For Walls >10' High, Add</i>	0.16	
			<i>For Paper Backed Lath, Add</i>	0.06	
			<i>For Up To 100, Add</i>	0.65	
			<i>For >100 To 500, Add</i>	0.33	
			<i>For >5,000, Deduct</i>	-0.13	
09 22 36 23-0017	SF		2.5 LB/SY, Installed On Solid Surface, Self Furring, Flat Diamond, Expanded Metal Lath	1.91	0.58
			<i>For Walls >10' High, Add</i>	0.16	
			<i>For Paper Backed Lath, Add</i>	0.06	
			<i>For Up To 100, Add</i>	0.65	
			<i>For >100 To 500, Add</i>	0.33	
			<i>For >5,000, Deduct</i>	-0.13	
09 22 36 23-0018	SF		3.4 LB/SY, Installed On Solid Surface, Self Furring, Flat Diamond, Expanded Metal Lath	2.07	0.58
			<i>For Walls >10' High, Add</i>	0.16	
			<i>For Paper Backed Lath, Add</i>	0.06	
			<i>For Up To 100, Add</i>	0.65	
			<i>For >100 To 500, Add</i>	0.33	
			<i>For >5,000, Deduct</i>	-0.13	
09 22 36 23-0019	SF		1.75 LB/SY, Installed On Columns And Beams, Self Furring, Flat Diamond, Expanded Metal Lath	2.98	1.11
			<i>For Columns And Beams >10' High, Add</i>	0.36	
			<i>For Paper Backed Lath, Add</i>	0.06	
			<i>For Up To 100, Add</i>	1.22	
			<i>For >100 To 500, Add</i>	0.61	
			<i>For >5,000, Deduct</i>	-0.24	
09 22 36 23-0020	SF		2.0 LB/SY, Installed On Columns And Beams, Self Furring, Flat Diamond, Expanded Metal Lath	3.04	1.11
			<i>For Columns And Beams >10' High, Add</i>	0.36	
			<i>For Paper Backed Lath, Add</i>	0.06	
			<i>For Up To 100, Add</i>	1.22	
			<i>For >100 To 500, Add</i>	0.61	
			<i>For >5,000, Deduct</i>	-0.24	
09 22 36 23-0021	SF		2.5 LB/SY, Installed On Columns And Beams, Self Furring, Flat Diamond, Expanded Metal Lath	3.11	1.11
			<i>For Columns And Beams >10' High, Add</i>	0.36	
			<i>For Paper Backed Lath, Add</i>	0.06	
			<i>For Up To 100, Add</i>	1.22	
			<i>For >100 To 500, Add</i>	0.61	
			<i>For >5,000, Deduct</i>	-0.24	
09 22 36 23-0022	SF		3.4 LB/SY, Installed On Columns And Beams, Self Furring, Flat Diamond, Expanded Metal Lath	3.62	1.26
			<i>For Columns And Beams >10' High, Add</i>	0.42	
			<i>For Paper Backed Lath, Add</i>	0.06	
			<i>For Up To 100, Add</i>	1.39	
			<i>For >100 To 500, Add</i>	0.70	
			<i>For >5,000, Deduct</i>	-0.28	
09 22 36 23-0023			High Rib Metal Lath <small>(09 22 36 23)</small>		
09 22 36 23-0024	SF		2.75 LB/SY, Installed On Ceiling, 1/8" High Rib Metal Lath	2.06	0.62
			<i>For Ceilings >10' High, Add</i>	0.21	
			<i>For Up To 100, Add</i>	0.70	
			<i>For >100 To 500, Add</i>	0.35	
			<i>For >5,000, Deduct</i>	-0.14	
09 22 36 23-0025	SF		3.4 LB/SY, Installed On Ceiling, 1/8" High Rib Metal Lath	2.15	0.62
			<i>For Ceilings >10' High, Add</i>	0.21	
			<i>For Up To 100, Add</i>	0.70	
			<i>For >100 To 500, Add</i>	0.35	
			<i>For >5,000, Deduct</i>	-0.14	



Finishes	09
Plaster And Gypsum Board	09 20
Supports For Plaster And Gypsum Board	09 22

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 22 36 23-0026	SF		3.4 LB/SY, Installed On Ceiling, 3/8" High Rib Metal Lath..... <i>For Ceilings >10' High, Add</i> <i>For Up To 100, Add</i> <i>For >100 To 500, Add</i> <i>For >5,000, Deduct</i>	2.21 0.21 0.70 0.35 -0.14	0.62
09 22 36 23-0027	SF		4.0 LB/SY, Installed On Ceiling, 3/8" High Rib Metal Lath..... <i>For Ceilings >10' High, Add</i> <i>For Up To 100, Add</i> <i>For >100 To 500, Add</i> <i>For >5,000, Deduct</i>	2.32 0.21 0.70 0.35 -0.14	0.62
09 22 36 33 Fiberglass Lath (09 22 36)					
09 22 36 33-0001 Non-Metallic, Fiberglass Lath (09 22 36 33)					
09 22 36 33-0002	SF		1/8" Thick, Installed On Ceiling, Non-Metallic, Fiberglass Lath..... <i>For Ceilings >10' High, Add</i> <i>For Up To 100, Add</i> <i>For >100 To 500, Add</i> <i>For >5,000, Deduct</i>	2.21 0.21 0.70 0.35 -0.14	0.62
09 22 36 33-0003	SF		1/4" Thick, Installed On Ceiling, Non-Metallic, Fiberglass Lath..... <i>For Ceilings >10' High, Add</i> <i>For Up To 100, Add</i> <i>For >100 To 500, Add</i> <i>For >5,000, Deduct</i>	2.33 0.21 0.70 0.35 -0.14	0.62
09 22 36 33-0004	SF		1/8" Thick, Installed On Solid Surface, Fiberglass Non Metallic Lath..... <i>For Walls >10' High, Add</i> <i>For Up To 100, Add</i> <i>For >100 To 500, Add</i> <i>For >5,000, Deduct</i>	2.11 0.16 0.65 0.33 -0.13	0.58
09 22 36 33-0005	SF		1/4" Thick, Installed On Solid Surface, Fiberglass Non Metallic Lath..... <i>For Walls >10' High, Add</i> <i>For Up To 100, Add</i> <i>For >100 To 500, Add</i> <i>For >5,000, Deduct</i>	2.23 0.16 0.65 0.33 -0.13	0.58
09 23 Gypsum Plastering (09 20)					
09 23 13 Acoustical Gypsum Plastering (09 23)					
Note: All plastering excludes lath, furring or studs except as noted. See CSI section 09 22 00 00-0000 for metal studs and furring, 09 22 36 00-0000 for lath.					
09 23 13 00-0001 Casing And Corner Beads (09 23 13)					
09 23 13 00-0002	LF		Galvanized Expanded Flange Casing Bead For Plaster Applications.....	3.50	0.87
09 23 13 00-0003	LF		Zinc Expanded Flange Casing Bead For Plaster Applications.....	3.51	0.87
09 23 13 00-0004	LF		Vinyl Expanded Flange Casing Bead For Plaster Applications.....	3.80	0.87
09 23 13 00-0005	LF		Galvanized Corner Bead For Plaster Applications.....	3.40	0.87
09 23 13 00-0006	LF		Vinyl Corner Bead For Plaster Applications.....	3.48	0.87
09 23 13 00-0007 Trim (09 23 13)					
09 23 13 00-0008	LF		Galvanized "J" Trim For Plaster Applications..... <i>For Vinyl Instead Of Galvanized, Add</i> <i>For Zinc Instead Of Galvanized, Add</i>	3.60 0.13 0.86	0.87
09 23 13 00-0009	LF		Galvanized "L" Trim For Plaster Applications..... <i>For Vinyl Instead Of Galvanized, Add</i> <i>For Zinc Instead Of Galvanized, Add</i>	3.60 0.13 0.86	0.87
09 23 13 00-0010	LF		Galvanized "U" Trim For Plaster Applications..... <i>For Vinyl Instead Of Galvanized, Add</i> <i>For Zinc Instead Of Galvanized, Add</i>	3.60 0.13 0.86	0.87
09 23 13 00-0011 Plaster Forms And Expansion Joints (09 23 13)					
09 23 13 00-0012	SF		1" Architectural Foam Forms To Cover With Plaster.....	4.10	
09 23 13 00-0013	LF		3/4" Galvanized Expansion Joint For Plaster Applications.....	3.95	0.87
09 23 13 00-0014 One Skim Coat Gypsum Plaster On Walls (09 23 13)					
09 23 13 00-0015	SF		Skim Coat One Coat Gypsum Plaster On Walls..... <i>For Walls >10' High, Add</i> <i>For Horizontal Installation Up To 10' High, Add</i> <i>For Horizontal Installation >10' High, Add</i> <i>For Columns Or Beams Up To 10' High, Add</i> <i>For Columns Or Beams >10' High, Add</i> <i>For Up To 100, Add</i> <i>For >100 To 500, Add</i> <i>For >5,000, Deduct</i>	1.11 0.09 0.13 0.27 0.28 0.41 0.45 0.22 -0.18	

09 Finishes**09 20 Plaster And Gypsum Board****09 23 Gypsum Plastering**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 23 13 00-0016	SF		For Each Additional Coat Over One, Skim Coat Gypsum Plaster On Walls	0.81	
			For Walls >10' High, Add	0.06	
			For Horizontal Installation Up To 10' High, Add	0.10	
			For Horizontal Installation >10' High, Add	0.19	
			For Columns Or Beams Up To 10' High, Add	0.20	
			For Columns Or Beams >10' High, Add	0.29	
			For Up To 100, Add	0.32	
			For >100 To 500, Add	0.16	
			For >5,000, Deduct	-0.13	
09 23 13 00-0017			Two Coats Gypsum Plaster On Walls (09 23 13)		
09 23 13 00-0018	SF		Smooth Finish Two Coats Gypsum Plaster On Walls	5.28	2.95
			For Walls >10' High, Add	0.49	
			For Horizontal Installation Up To 10' High, Add	0.73	
			For Horizontal Installation >10' High, Add	1.46	
			For Columns Or Beams Up To 10' High, Add	1.51	
			For Columns Or Beams >10' High, Add	2.24	
			For Up To 100, Add	2.44	
			For >100 To 500, Add	1.22	
			For >5,000, Deduct	-0.97	
09 23 13 00-0019	SF		Sand Aggregate Two Coats Gypsum Plaster On Walls	5.44	2.80
			For Walls >10' High, Add	0.46	
			For Horizontal Installation Up To 10' High, Add	0.69	
			For Horizontal Installation >10' High, Add	1.37	
			For Columns Or Beams Up To 10' High, Add	1.42	
			For Columns Or Beams >10' High, Add	2.10	
			For Up To 100, Add	2.29	
			For >100 To 500, Add	1.14	
			For >5,000, Deduct	-0.91	
09 23 13 00-0020	SF		Perlite Or Vermiculite Two Coats Gypsum Plaster On Walls	5.66	2.80
			For Walls >10' High, Add	0.46	
			For Horizontal Installation Up To 10' High, Add	0.69	
			For Horizontal Installation >10' High, Add	1.37	
			For Columns Or Beams Up To 10' High, Add	1.42	
			For Columns Or Beams >10' High, Add	2.10	
			For Up To 100, Add	2.29	
			For >100 To 500, Add	1.14	
			For >5,000, Deduct	-0.91	
09 23 13 00-0021			Three Coats Gypsum Plaster On Walls (09 23 13)		
09 23 13 00-0022	SF		Smooth Finish Three Coats Gypsum Plaster On Walls	6.42	3.60
			For Walls >10' High, Add	0.58	
			For Horizontal Installation Up To 10' High, Add	0.87	
			For Horizontal Installation >10' High, Add	1.75	
			For Columns Or Beams Up To 10' High, Add	1.80	
			For Columns Or Beams >10' High, Add	2.68	
			For Up To 100, Add	2.91	
			For >100 To 500, Add	1.46	
			For >5,000, Deduct	-1.16	
09 23 13 00-0023	SF		Sand Aggregate Three Coats Gypsum Plaster On Walls	6.44	3.27
			For Walls >10' High, Add	0.54	
			For Horizontal Installation Up To 10' High, Add	0.81	
			For Horizontal Installation >10' High, Add	1.62	
			For Columns Or Beams Up To 10' High, Add	1.67	
			For Columns Or Beams >10' High, Add	2.48	
			For Up To 100, Add	2.70	
			For >100 To 500, Add	1.35	
			For >5,000, Deduct	-1.08	
09 23 13 00-0024	SF		Perlite Or Vermiculite Three Coats Gypsum Plaster On Walls	6.06	3.27
			For Walls >10' High, Add	0.54	
			For Horizontal Installation Up To 10' High, Add	0.80	
			For Horizontal Installation >10' High, Add	1.61	
			For Columns Or Beams Up To 10' High, Add	1.66	
			For Columns Or Beams >10' High, Add	2.47	
			For Up To 100, Add	2.68	
			For >100 To 500, Add	1.34	
			For >5,000, Deduct	-1.07	
09 23 13 00-0025			Keene's Cement Plaster, Quick Setting, White Hard Plaster (09 23 13)		
			Note: Used for areas with higher than normal moisture.		
09 23 13 00-0026	SF		1 Coat Keene's Cement Plaster On Walls	4.13	2.00
			For Walls >10' High, Add	0.32	
			For Horizontal Installation Up To 10' High, Add	0.48	
			For Horizontal Installation >10' High, Add	0.96	
			For Columns Or Beams Up To 10' High, Add	0.99	
			For Columns Or Beams >10' High, Add	1.47	
			For Up To 100, Add	1.60	
			For >100 To 500, Add	0.80	
			For >5,000, Deduct	-0.64	



Finishes	09	9
Plaster And Gypsum Board	09 20	
Gypsum Plastering	09 23	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 23 13 00-0027 SF 2 Coat Keene's Cement Plaster On Walls	6.24	3.11
For Walls >10' High, Add	0.51	
For Horizontal Installation Up To 10' High, Add	0.76	
For Horizontal Installation >10' High, Add	1.52	
For Columns Or Beams Up To 10' High, Add	1.57	
For Columns Or Beams >10' High, Add	2.33	
For Up To 100, Add	2.53	
For >100 To 500, Add	1.27	
For >5,000, Deduct	-1.01	
09 23 13 00-0028 SF 3 Coat Keene's Cement Plaster On Walls	7.06	3.52
For Walls >10' High, Add	0.57	
For Horizontal Installation Up To 10' High, Add	0.86	
For Horizontal Installation >10' High, Add	1.72	
For Columns Or Beams Up To 10' High, Add	1.77	
For Columns Or Beams >10' High, Add	2.63	
For Up To 100, Add	2.86	
For >100 To 500, Add	1.43	
For >5,000, Deduct	-1.14	
09 23 13 00-0029 Plaster Bonding Agent (09 23 13)		
09 23 13 00-0030 SF 1 Coat, Brush/Roller Plaster Bonding Agent	0.56	
For Walls >10' High, Add	0.05	
For Columns Or Beams Up To 10' High, Add	0.14	
For Columns Or Beams >10' High, Add	0.21	
For Ceiling Application Up To 10' High, Add	0.06	
For Ceiling Application >10' High, Add	0.11	
09 24 Cement Plastering (09 20)		
09 24 23 Cement Stucco (09 24)		
Note: Packaged product reinforced with fibers. All plastering excludes lath, furring or studs except as noted. See CSI section 09 22 00 00-0000 for metal studs and furring.		
09 24 23 00-0001 Stucco (09 24 23)		
Note: Excludes wall scaffolding or lifting equipment. See CSI section 09 22 36 00-0000 for lath.		
09 24 23 00-0002 SF Three Coat Troweled Stucco, Scratch/Brown/Finish	7.73	2.47
Note: Excludes lath and felt. Interior or exterior, one side.		
For Walls >10' High, Add	0.68	
For Horizontal Installation Up To 10' High, Add	1.01	
For Horizontal Installation >10' High, Add	2.03	
For Columns Or Beams Up To 10' High, Add	2.10	
For Columns Or Beams >10' High, Add	3.11	
For Color Added To Finish Coat, Add	0.15	
For Smooth Float Finish, Add	1.42	
For Up To 100, Add	3.38	
For >100 To 500, Add	1.69	
For >5,000, Deduct	-1.35	
09 24 23 00-0003 SF Two Coat Troweled Stucco, Scratch/Brown	3.32	1.20
Note: Excludes lath and felt. Interior or exterior, one side.		
For Walls >10' High, Add	0.25	
For Horizontal Installation Up To 10' High, Add	0.37	
For Horizontal Installation >10' High, Add	0.74	
For Columns Or Beams Up To 10' High, Add	0.77	
For Columns Or Beams >10' High, Add	1.14	
For Up To 100, Add	1.24	
For >100 To 500, Add	0.62	
For >5,000, Deduct	-0.49	
09 24 23 00-0004 SF Two Coat Troweled Stucco, Scratch/Finish	5.10	1.20
Note: Excludes lath and felt. Interior or exterior, one side.		
For Walls >10' High, Add	0.44	
For Horizontal Installation Up To 10' High, Add	0.66	
For Horizontal Installation >10' High, Add	1.32	
For Columns Or Beams Up To 10' High, Add	1.36	
For Columns Or Beams >10' High, Add	2.02	
For Color Added To Finish Coat, Add	0.15	
For Smooth Float Finish, Add	1.21	
For Up To 100, Add	2.20	
For >100 To 500, Add	1.10	
For >5,000, Deduct	-0.88	
09 24 23 00-0005 SF Finish Coat Troweled Stucco	3.31	0.80
Note: Excludes lath and felt. Interior or exterior, one side.		
For Walls >10' High, Add	0.32	
For Horizontal Installation Up To 10' High, Add	0.48	
For Horizontal Installation >10' High, Add	0.96	
For Columns Or Beams Up To 10' High, Add	0.99	
For Columns Or Beams >10' High, Add	1.47	
For Color Added To Finish Coat, Add	0.15	
For Smooth Float Finish, Add	1.20	
For Up To 100, Add	1.60	
For >100 To 500, Add	0.80	
For >5,000, Deduct	-0.64	

09 24 33 Cement Parging (09 24)

09	Finishes
09 20	Plaster And Gypsum Board
09 24	Cement Plastering



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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09 24 33 00-0001			Cement Parging (09 24 33)		
09 24 33 00-0002	SF		1/8" Thick Sand And Cement Parging.....	2.87	
09 24 33 00-0003	SF		1/4" Thick Sand And Cement Parging.....	3.68	
09 24 33 00-0004	SF		1/2" Thick Sand And Cement Parging.....	4.61	

09 28 Backing Boards And Underlayments (09 28)

09 28 13 Cementitious Backing Boards (09 28)

09 28 13 00-0001			Cementitious Backer Units (09 28 13)		
Note: Installed with mechanical fasteners to floor, wall and ceiling surfaces. Use thin-set from setting methods section for floor installations as applicable.					
09 28 13 00-0002	SF		1/4" Cementitious Backer Units For Installation On Floors	3.01	0.57
			<i>For Up To 50, Add</i>	2.45	
			<i>For >50 To 250, Add</i>	0.45	
			<i>For >1,000, Deduct</i>	-0.23	
			<i>For Installation On Wall, Add</i>	0.45	
			<i>For Installation On Ceiling, Add</i>	1.13	
09 28 13 00-0003	SF		1/2" Cementitious Backer Units For Installation On Floors	3.50	0.67
			<i>For Up To 50, Add</i>	2.92	
			<i>For >50 To 250, Add</i>	0.54	
			<i>For >1,000, Deduct</i>	-0.27	
			<i>For Installation On Wall, Add</i>	0.54	
			<i>For Installation On Ceiling, Add</i>	1.36	
09 28 13 00-0004	SF		5/8" Cementitious Backer Units For Installation On Floors	4.26	0.79
			<i>For Up To 50, Add</i>	3.44	
			<i>For >50 To 250, Add</i>	0.63	
			<i>For >1,000, Deduct</i>	-0.32	
			<i>For Installation On Wall, Add</i>	0.63	
			<i>For Installation On Ceiling, Add</i>	1.59	

09 28 16 Glass-Mat Faced Gypsum Backing Boards (09 28)

09 28 16 00-0001			Glass Mat Faced Backer Units, DensShield (09 28 16)		
Note: Installed with mechanical fasteners to floor, wall and ceiling surfaces. Use thin-set from setting methods section for floor installations as applicable.					
09 28 16 00-0002	SF		1/2" DensShield Tile Backer For Installation On Floors	2.35	0.63
			<i>For Up To 50, Add</i>	1.81	
			<i>For >50 To 250, Add</i>	0.33	
			<i>For >1,000, Deduct</i>	-0.16	
			<i>For Installation On Wall, Add</i>	0.33	
			<i>For Installation On Ceiling, Add</i>	0.82	
09 28 16 00-0003	SF		5/8" DensShield Tile Backer For Installation On Floors	3.22	0.72
			<i>For Up To 50, Add</i>	2.16	
			<i>For >50 To 250, Add</i>	0.36	
			<i>For >1,000, Deduct</i>	-0.18	
			<i>For Installation On Wall, Add</i>	0.36	
			<i>For Installation On Ceiling, Add</i>	0.91	

09 29 Gypsum Board (09 29)

09 29 00 00-0001 Standard Gypsum Board Application (09 29)

Note: Price includes gypsum board screwed on one face only, without finishing. Installed on walls, ceilings, beams, columns, soffits, recesses and chases, flat or curved surfaces. See CSI section 09 01 20 91-0001 for small repairs, 09 29 00 00-0054 for finishing gypsum board, 09 29 00 00-0072 for casing and corner bead, 09 91 43 00-0011 for small repairs.

09 29 00 00-0002			Standard Gypsum Board Application (09 29 00 00-0001)		
09 29 00 00-0003	SF		1/4" Gypsum Board.....	1.07	0.36
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.17	
			<i>For Times When The Shortest Distance From Corner To Corner Is <3', Add</i>	0.36	
			<i>For Adhesive Applied Sheets Instead Of Fasteners (Includes Bracing Until Adhesive Is Bonded), Add</i>	0.10	
			<i>For Horizontal Installation Up To 10' High, Add</i>	0.24	
			<i>For Horizontal Installation >10' High, Add</i>	0.36	
			<i>For Walls >10' High, Add</i>	0.06	
			<i>For Up To 128, Add</i>	0.36	
			<i>For >128 To 320, Add</i>	0.22	
			<i>For >1,600, Deduct</i>	-0.07	
09 29 00 00-0004	SF		3/8" Gypsum Board.....	1.16	0.40
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.19	
			<i>For Times When The Shortest Distance From Corner To Corner Is <3', Add</i>	0.41	
			<i>For Adhesive Applied Sheets Instead Of Fasteners (Includes Bracing Until Adhesive Is Bonded), Add</i>	0.10	
			<i>For Foil Back Board, Add</i>	0.10	
			<i>For Horizontal Installation Up To 10' High, Add</i>	0.28	
			<i>For Horizontal Installation >10' High, Add</i>	0.41	
			<i>For Walls >10' High, Add</i>	0.06	
			<i>For Up To 128, Add</i>	0.39	
			<i>For >128 To 320, Add</i>	0.24	
			<i>For >1,600, Deduct</i>	-0.08	



Finishes	09	
Plaster And Gypsum Board	09 20	9
Gypsum Board	09 29	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 29 00 00-0005 SF 1/2" Gypsum Board.....	1.29	0.47
For Curved Surfaces With A 2'-0" Maximum Radius, Add	0.22	
For Times When The Shortest Distance From Corner to Corner Is <3', Add	0.47	
For Adhesive Applied Sheets Instead Of Fasteners (Includes Bracing Until Adhesive Is Bonded), Add	0.11	
For Foil Back Board, Add	0.10	
For Horizontal Installation Up To 10' High, Add	0.32	
For Horizontal Installation >10' High, Add	0.47	
For Walls >10' High, Add	0.08	
For Up To 128, Add	0.45	
For >128 To 320, Add	0.27	
For >1,600, Deduct	-0.08	
09 29 00 00-0006 SF 5/8" Gypsum Board.....	1.51	0.54
For Curved Surfaces With A 2'-0" Maximum Radius, Add	0.25	
For Times When The Shortest Distance From Corner to Corner Is <3', Add	0.54	
For Adhesive Applied Sheets Instead Of Fasteners (Includes Bracing Until Adhesive Is Bonded), Add	0.11	
For Foil Back Board, Add	0.10	
For Horizontal Installation Up To 10' High, Add	0.37	
For Horizontal Installation >10' High, Add	0.54	
For Walls >10' High, Add	0.09	
For Up To 128, Add	0.52	
For >128 To 320, Add	0.31	
For >1,600, Deduct	-0.10	
09 29 00 00-0007 SF 1/4" Gypsum Board, Two Layers.....	2.00	0.65
For Curved Surfaces With A 2'-0" Maximum Radius, Add	0.31	
For Times When The Shortest Distance From Corner to Corner Is <3', Add	0.65	
For Adhesive Applied Sheets Instead Of Fasteners (Includes Bracing Until Adhesive Is Bonded), Add	0.13	
For Horizontal Installation Up To 10' High, Add	0.44	
For Horizontal Installation >10' High, Add	0.65	
For Walls >10' High, Add	0.10	
For Up To 128, Add	0.66	
For >128 To 320, Add	0.40	
For >1,600, Deduct	-0.14	
09 29 00 00-0008 SF 3/8" Gypsum Board, Two Layers.....	2.17	0.73
For Curved Surfaces With A 2'-0" Maximum Radius, Add	0.35	
For Times When The Shortest Distance From Corner to Corner Is <3', Add	0.74	
For Adhesive Applied Sheets Instead Of Fasteners (Includes Bracing Until Adhesive Is Bonded), Add	0.13	
For Horizontal Installation Up To 10' High, Add	0.50	
For Horizontal Installation >10' High, Add	0.74	
For Walls >10' High, Add	0.12	
For Up To 128, Add	0.73	
For >128 To 320, Add	0.44	
For >1,600, Deduct	-0.14	
09 29 00 00-0009 SF 1/2" Gypsum Board, Two Layers.....	2.38	0.84
For Curved Surfaces With A 2'-0" Maximum Radius, Add	0.39	
For Times When The Shortest Distance From Corner to Corner Is <3', Add	0.84	
For Adhesive Applied Sheets Instead Of Fasteners (Includes Bracing Until Adhesive Is Bonded), Add	0.14	
For Horizontal Installation Up To 10' High, Add	0.57	
For Horizontal Installation >10' High, Add	0.84	
For Walls >10' High, Add	0.13	
For Up To 128, Add	0.81	
For >128 To 320, Add	0.49	
For >1,600, Deduct	-0.15	
09 29 00 00-0010 SF 5/8" Gypsum Board, Two Layers.....	2.81	0.97
For Curved Surfaces With A 2'-0" Maximum Radius, Add	0.45	
For Times When The Shortest Distance From Corner to Corner Is <3', Add	0.97	
For Adhesive Applied Sheets Instead Of Fasteners (Includes Bracing Until Adhesive Is Bonded), Add	0.16	
For Horizontal Installation Up To 10' High, Add	0.66	
For Horizontal Installation >10' High, Add	0.97	
For Walls >10' High, Add	0.16	
For Up To 128, Add	0.95	
For >128 To 320, Add	0.57	
For >1,600, Deduct	-0.18	
09 29 00 00-0011 Fire Rated Gypsum Board Application (09 29 00 00-0001)		
09 29 00 00-0012 Type X, Fire Rated Gypsum Board (09 29 00 00-0011)		
09 29 00 00-0013 SF 5/8" Type X Fire Rated Gypsum Board.....	1.61	0.54
For Curved Surfaces With A 2'-0" Maximum Radius, Add	0.28	
For Times When The Shortest Distance From Corner to Corner Is <3', Add	0.60	
For Adhesive Applied Sheets Instead Of Fasteners (Includes Bracing Until Adhesive Is Bonded), Add	0.12	
For Foil Back Board, Add	0.10	
For Horizontal Installation Up To 10' High, Add	0.40	
For Horizontal Installation >10' High, Add	0.60	
For Walls >10' High, Add	0.10	
For Up To 128, Add	0.56	
For >128 To 320, Add	0.34	
For >1,600, Deduct	-0.10	

09 Finishes
09 20 Plaster And Gypsum Board
09 29 Gypsum Board



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 29 00 00-0014	SF		5/8" Type X Fire Rated Gypsum Board, Two Layers <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i> <i>For Times When The Shortest Distance From Corner to Corner Is <3', Add</i> <i>For Adhesive Applied Sheets Instead Of Fasteners (Includes Bracing Until Adhesive Is Bonded), Add</i> <i>For Horizontal Installation Up To 10' High, Add</i> <i>For Horizontal Installation >10' High, Add</i> <i>For Walls >10' High, Add</i> <i>For Up To 128, Add</i> <i>For >128 To 320, Add</i> <i>For >1,600, Deduct</i>	2.98 0.50 1.07 0.17 0.72 1.07 0.17 1.02 0.62 -0.19	0.54
09 29 00 00-0015			Type C, Fire Rated Gypsum Board (09 29 00 00-0011)		
09 29 00 00-0016	SF		1/2" Type C Fire Rated Gypsum Board..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i> <i>For Times When The Shortest Distance From Corner to Corner Is <3', Add</i> <i>For Adhesive Applied Sheets Instead Of Fasteners (Includes Bracing Until Adhesive Is Bonded), Add</i> <i>For Foil Back Board, Add</i> <i>For Horizontal Installation Up To 10' High, Add</i> <i>For Horizontal Installation >10' High, Add</i> <i>For Walls >10' High, Add</i> <i>For Up To 128, Add</i> <i>For >128 To 320, Add</i> <i>For >1,600, Deduct</i>	1.48 0.24 0.52 0.11 0.10 0.35 0.52 0.08 0.50 0.30 -0.10	0.47
09 29 00 00-0017	SF		5/8" Type C Fire Rated Gypsum Board..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i> <i>For Times When The Shortest Distance From Corner to Corner Is <3', Add</i> <i>For Adhesive Applied Sheets Instead Of Fasteners (Includes Bracing Until Adhesive Is Bonded), Add</i> <i>For Foil Back Board, Add</i> <i>For Horizontal Installation Up To 10' High, Add</i> <i>For Horizontal Installation >10' High, Add</i> <i>For Walls >10' High, Add</i> <i>For Up To 128, Add</i> <i>For >128 To 320, Add</i> <i>For >1,600, Deduct</i>	1.66 0.28 0.60 0.12 0.10 0.40 0.60 0.10 0.57 0.34 -0.11	0.54
09 29 00 00-0018	SF		1/2" Type C Fire Rated Gypsum Board, Two Layers..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i> <i>For Times When The Shortest Distance From Corner to Corner Is <3', Add</i> <i>For Adhesive Applied Sheets Instead Of Fasteners (Includes Bracing Until Adhesive Is Bonded), Add</i> <i>For Horizontal Installation Up To 10' High, Add</i> <i>For Horizontal Installation >10' High, Add</i> <i>For Walls >10' High, Add</i> <i>For Up To 128, Add</i> <i>For >128 To 320, Add</i> <i>For >1,600, Deduct</i>	2.74 0.43 0.93 0.15 0.63 0.93 0.15 0.92 0.55 -0.18	0.47
09 29 00 00-0019	SF		5/8" Type C Fire Rated Gypsum Board, Two Layers..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i> <i>For Times When The Shortest Distance From Corner to Corner Is <3', Add</i> <i>For Adhesive Applied Sheets Instead Of Fasteners (Includes Bracing Until Adhesive Is Bonded), Add</i> <i>For Horizontal Installation Up To 10' High, Add</i> <i>For Horizontal Installation >10' High, Add</i> <i>For Walls >10' High, Add</i> <i>For Up To 128, Add</i> <i>For >128 To 320, Add</i> <i>For >1,600, Deduct</i>	3.08 0.50 1.07 0.17 0.72 1.07 0.17 1.04 0.63 -0.20	0.54
09 29 00 00-0020			Fire Rated Gypsum Board (Sheetrock® Ultracode®) (09 29 00 00-0011)		
09 29 00 00-0021	SF		3/4" Fire Rated Gypsum Board (Sheetrock® Ultracode®)..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i> <i>For Times When The Shortest Distance From Corner to Corner Is <3', Add</i> <i>For Adhesive Applied Sheets Instead Of Fasteners (Includes Bracing Until Adhesive Is Bonded), Add</i> <i>For Horizontal Installation Up To 10' High, Add</i> <i>For Horizontal Installation >10' High, Add</i> <i>For Walls >10' High, Add</i> <i>For Up To 128, Add</i> <i>For >128 To 320, Add</i> <i>For >1,600, Deduct</i>	2.27 0.28 0.60 0.12 0.40 0.60 0.10 0.69 0.41 -0.17	0.54
09 29 00 00-0022	SF		3/4" Fire Rated Gypsum Board (Sheetrock® Ultracode®), Two Layers <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i> <i>For Times When The Shortest Distance From Corner to Corner Is <3', Add</i> <i>For Adhesive Applied Sheets Instead Of Fasteners (Includes Bracing Until Adhesive Is Bonded), Add</i> <i>For Horizontal Installation Up To 10' High, Add</i> <i>For Horizontal Installation >10' High, Add</i> <i>For Walls >10' High, Add</i> <i>For Up To 128, Add</i> <i>For >128 To 320, Add</i> <i>For >1,600, Deduct</i>	4.29 0.51 1.07 0.17 0.72 1.07 0.17 1.28 0.75 -0.32	0.54
09 29 00 00-0023			Moisture Resistant Gypsum Board Application (09 29 00 00-0001) Note: Water-resistant gypsum core.		



Finishes	09	
Plaster And Gypsum Board	09 20	9
Gypsum Board	09 29	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 29 00 00-0024 SF 1/2" Moisture Resistant Gypsum Board.....	1.40	0.47
For Curved Surfaces With A 2'-0" Maximum Radius, Add	0.22	
For Times When The Shortest Distance From Corner to Corner Is <3', Add	0.47	
For Adhesive Applied Sheets Instead Of Fasteners (Includes Bracing Until Adhesive Is Bonded), Add	0.11	
For Horizontal Installation Up To 10' High, Add	0.32	
For Horizontal Installation >10' High, Add	0.47	
For Walls >10' High, Add	0.08	
For Up To 128, Add	0.47	
For >128 To 320, Add	0.28	
For >1,600, Deduct	-0.09	
09 29 00 00-0025 SF 5/8" Moisture Resistant Gypsum Board.....	1.81	0.47
For Curved Surfaces With A 2'-0" Maximum Radius, Add	0.26	
For Times When The Shortest Distance From Corner to Corner Is <3', Add	0.54	
For Adhesive Applied Sheets Instead Of Fasteners (Includes Bracing Until Adhesive Is Bonded), Add	0.11	
For Horizontal Installation Up To 10' High, Add	0.37	
For Horizontal Installation >10' High, Add	0.54	
For Walls >10' High, Add	0.09	
For Up To 128, Add	0.58	
For >128 To 320, Add	0.34	
For >1,600, Deduct	-0.13	
09 29 00 00-0026 Vinyl Faced Gypsum Board Application (09 29 00 00-0001)		
Note: All prefinished vinyl faced panels include, screws, edge grip clips and adhesive.		
09 29 00 00-0027 SF 3/8" Prefinished, Vinyl Faced Gypsum Board.....	2.52	0.36
For Curved Surfaces With A 2'-0" Maximum Radius, Add	0.20	
For Times When The Shortest Distance From Corner to Corner Is <3', Add	0.41	
For Adhesive Applied Sheets Instead Of Fasteners (Includes Bracing Until Adhesive Is Bonded), Add	0.10	
For Horizontal Installation Up To 10' High, Add	0.28	
For Horizontal Installation >10' High, Add	0.41	
For Walls >10' High, Add	0.06	
For Up To 128, Add	0.67	
For >128 To 320, Add	0.37	
For >1,600, Deduct	-0.21	
09 29 00 00-0028 SF 1/2" Prefinished, Vinyl Faced Gypsum Board.....	2.65	0.47
For Curved Surfaces With A 2'-0" Maximum Radius, Add	0.23	
For Times When The Shortest Distance From Corner to Corner Is <3', Add	0.47	
For Adhesive Applied Sheets Instead Of Fasteners (Includes Bracing Until Adhesive Is Bonded), Add	0.11	
For Horizontal Installation Up To 10' High, Add	0.32	
For Horizontal Installation >10' High, Add	0.47	
For Walls >10' High, Add	0.08	
For Up To 128, Add	0.72	
For >128 To 320, Add	0.41	
For >1,600, Deduct	-0.22	
09 29 00 00-0029 SF 5/8" Prefinished, Vinyl Faced Gypsum Board.....	2.79	0.54
For Curved Surfaces With A 2'-0" Maximum Radius, Add	0.27	
For Times When The Shortest Distance From Corner to Corner Is <3', Add	0.54	
For Adhesive Applied Sheets Instead Of Fasteners (Includes Bracing Until Adhesive Is Bonded), Add	0.11	
For Horizontal Installation Up To 10' High, Add	0.37	
For Horizontal Installation >10' High, Add	0.54	
For Walls >10' High, Add	0.09	
For Up To 128, Add	0.77	
For >128 To 320, Add	0.44	
For >1,600, Deduct	-0.23	
09 29 00 00-0030 SF 1/2" Fire Rated, Prefinished Vinyl Faced Gypsum Board.....	3.08	0.47
For Curved Surfaces With A 2'-0" Maximum Radius, Add	0.26	
For Times When The Shortest Distance From Corner to Corner Is <3', Add	0.52	
For Adhesive Applied Sheets Instead Of Fasteners (Includes Bracing Until Adhesive Is Bonded), Add	0.11	
For Horizontal Installation Up To 10' High, Add	0.35	
For Horizontal Installation >10' High, Add	0.52	
For Walls >10' High, Add	0.08	
For Up To 128, Add	0.82	
For >128 To 320, Add	0.46	
For >1,600, Deduct	-0.26	
09 29 00 00-0031 SF 5/8" Fire Rated, Prefinished Vinyl Faced Gypsum Board.....	4.75	0.54
For Curved Surfaces With A 2'-0" Maximum Radius, Add	0.31	
For Times When The Shortest Distance From Corner to Corner Is <3', Add	0.60	
For Adhesive Applied Sheets Instead Of Fasteners (Includes Bracing Until Adhesive Is Bonded), Add	0.12	
For Horizontal Installation Up To 10' High, Add	0.40	
For Horizontal Installation >10' High, Add	0.60	
For Walls >10' High, Add	0.10	
For Up To 128, Add	1.19	
For >128 To 320, Add	0.65	
For >1,600, Deduct	-0.42	
09 29 00 00-0032 Moisture And Mold Resistant Gypsum Board Application (09 29 00 00-0001)		

09 Finishes

09 20 Plaster And Gypsum Board

09 29 Gypsum Board



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 29 00 00-0033	SF		1/2", Mesh Reinforced, Moisture And Mold Resistant Gypsum Board.....	1.63	0.45
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.22	
			<i>For Times When The Shortest Distance From Corner to Corner Is <3', Add</i>	0.47	
			<i>For Adhesive Applied Sheets Instead Of Fasteners (Includes Bracing Until Adhesive Is Bonded), Add</i>	0.11	
			<i>For Non-reinforced Board, Deduct</i>	-0.08	
			<i>For Horizontal Installation Up To 10' High, Add</i>	0.32	
			<i>For Horizontal Installation >10' High, Add</i>	0.47	
			<i>For Walls >10' High, Add</i>	0.08	
			<i>For Up To 128, Add</i>	0.51	
			<i>For >128 To 320, Add</i>	0.30	
			<i>For >1,600, Deduct</i>	-0.12	
09 29 00 00-0034	SF		5/8", Mesh Reinforced, Moisture And Mold Resistant Gypsum Board.....	1.93	0.51
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.26	
			<i>For Times When The Shortest Distance From Corner to Corner Is <3', Add</i>	0.54	
			<i>For Adhesive Applied Sheets Instead Of Fasteners (Includes Bracing Until Adhesive Is Bonded), Add</i>	0.11	
			<i>For Non-reinforced Board, Deduct</i>	-0.08	
			<i>For Horizontal Installation Up To 10' High, Add</i>	0.37	
			<i>For Horizontal Installation >10' High, Add</i>	0.54	
			<i>For Walls >10' High, Add</i>	0.09	
			<i>For Up To 128, Add</i>	0.60	
			<i>For >128 To 320, Add</i>	0.36	
			<i>For >1,600, Deduct</i>	-0.14	
09 29 00 00-0035	SF		1/2" Fire Rated, Mesh Reinforced, Moisture And Mold Resistant Gypsum Board	1.93	0.45
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.25	
			<i>For Times When The Shortest Distance From Corner to Corner Is <3', Add</i>	0.52	
			<i>For Adhesive Applied Sheets Instead Of Fasteners (Includes Bracing Until Adhesive Is Bonded), Add</i>	0.11	
			<i>For Horizontal Installation Up To 10' High, Add</i>	0.35	
			<i>For Horizontal Installation >10' High, Add</i>	0.52	
			<i>For Walls >10' High, Add</i>	0.08	
			<i>For Up To 128, Add</i>	0.59	
			<i>For >128 To 320, Add</i>	0.35	
			<i>For >1,600, Deduct</i>	-0.14	
09 29 00 00-0036	SF		5/8" Fire Rated, Mesh Reinforced, Moisture And Mold Resistant Gypsum Board	2.17	0.51
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.28	
			<i>For Times When The Shortest Distance From Corner to Corner Is <3', Add</i>	0.60	
			<i>For Adhesive Applied Sheets Instead Of Fasteners (Includes Bracing Until Adhesive Is Bonded), Add</i>	0.12	
			<i>For Horizontal Installation Up To 10' High, Add</i>	0.40	
			<i>For Horizontal Installation >10' High, Add</i>	0.60	
			<i>For Walls >10' High, Add</i>	0.10	
			<i>For Up To 128, Add</i>	0.67	
			<i>For >128 To 320, Add</i>	0.40	
			<i>For >1,600, Deduct</i>	-0.16	
09 29 00 00-0037			Hi-Impact Gypsum Board (09 29 00 00-0001)		
			Note: Abrasion, impact and penetration resistant.		
09 29 00 00-0038	SF		0.01" Polycarbonate Backed, Fire Rated, 5/8" Hi-Impact Gypsum Board.....	2.41	0.51
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.26	
			<i>For Times When The Shortest Distance From Corner to Corner Is <3', Add</i>	0.54	
			<i>For Adhesive Applied Sheets Instead Of Fasteners (Includes Bracing Until Adhesive Is Bonded), Add</i>	0.11	
			<i>For Horizontal Installation Up To 10' High, Add</i>	0.36	
			<i>For Horizontal Installation >10' High, Add</i>	0.54	
			<i>For Walls >10' High, Add</i>	0.09	
			<i>For Up To 128, Add</i>	0.70	
			<i>For >128 To 320, Add</i>	0.40	
			<i>For >1,600, Deduct</i>	-0.19	
09 29 00 00-0039	SF		0.02" Polycarbonate Backed, Fire Rated, 5/8" Hi-Impact Gypsum Board.....	2.80	0.51
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.26	
			<i>For Times When The Shortest Distance From Corner to Corner Is <3', Add</i>	0.54	
			<i>For Adhesive Applied Sheets Instead Of Fasteners (Includes Bracing Until Adhesive Is Bonded), Add</i>	0.11	
			<i>For Horizontal Installation Up To 10' High, Add</i>	0.36	
			<i>For Horizontal Installation >10' High, Add</i>	0.54	
			<i>For Walls >10' High, Add</i>	0.09	
			<i>For Up To 128, Add</i>	0.77	
			<i>For >128 To 320, Add</i>	0.44	
			<i>For >1,600, Deduct</i>	-0.23	
09 29 00 00-0040	SF		0.03" Polycarbonate Backed, Fire Rated, 5/8" Hi-Impact Gypsum Board.....	3.20	0.51
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.27	
			<i>For Times When The Shortest Distance From Corner to Corner Is <3', Add</i>	0.54	
			<i>For Adhesive Applied Sheets Instead Of Fasteners (Includes Bracing Until Adhesive Is Bonded), Add</i>	0.11	
			<i>For Horizontal Installation Up To 10' High, Add</i>	0.36	
			<i>For Horizontal Installation >10' High, Add</i>	0.54	
			<i>For Walls >10' High, Add</i>	0.09	
			<i>For Up To 128, Add</i>	0.85	
			<i>For >128 To 320, Add</i>	0.48	
			<i>For >1,600, Deduct</i>	-0.27	
09 29 00 00-0041	SF		0.08" Polycarbonate Backed, Fire Rated, 5/8" Hi-Impact Gypsum Board.....	5.56	0.51
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.29	
			<i>For Times When The Shortest Distance From Corner to Corner Is <3', Add</i>	0.54	
			<i>For Adhesive Applied Sheets Instead Of Fasteners (Includes Bracing Until Adhesive Is Bonded), Add</i>	0.11	
			<i>For Horizontal Installation Up To 10' High, Add</i>	0.36	
			<i>For Horizontal Installation >10' High, Add</i>	0.54	
			<i>For Walls >10' High, Add</i>	0.09	
			<i>For Up To 128, Add</i>	1.33	
			<i>For >128 To 320, Add</i>	0.72	
			<i>For >1,600, Deduct</i>	-0.50	



Finishes	09	9
Plaster And Gypsum Board	09 20	
Gypsum Board	09 29	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 29 00 00-0042 Hi-Abuse Gypsum Board <small>(09 29 00 00-0001)</small> Note: Surface indentation, impact, abrasion and moisture/mold/mildew resistant.		
09 29 00 00-0043 SF 5/8" Fire Rated, Hi-Abuse Gypsum Board	1.98	0.51
For Curved Surfaces With A 2'-0" Maximum Radius, Add	0.26	
For Times When The Shortest Distance From Corner to Corner Is <3', Add	0.54	
For Adhesive Applied Sheets Instead Of Fasteners (Includes Bracing Until Adhesive Is Bonded), Add	0.11	
For Horizontal Installation Up To 10' High, Add	0.36	
For Horizontal Installation >10' High, Add	0.54	
For Walls >10' High, Add	0.09	
For Up To 128, Add	0.61	
For >128 To 320, Add	0.36	
For >1,600, Deduct	-0.14	
09 29 00 00-0044 Soundproof Gypsum Board <small>(09 29 00 00-0001)</small> Note: Minimum STC rating for 1/2" board is 49 and 5/8" board is 51.		
09 29 00 00-0045 SF 1/2" Soundproof Gypsum Board	3.75	0.54
For Curved Surfaces With A 2'-0" Maximum Radius, Add	0.28	
For Times When The Shortest Distance From Corner to Corner Is <3', Add	0.55	
For Adhesive Applied Sheets Instead Of Fasteners (Includes Bracing Until Adhesive Is Bonded), Add	0.11	
For Horizontal Installation Up To 10' High, Add	0.37	
For Horizontal Installation >10' High, Add	0.55	
For Walls >10' High, Add	0.09	
For Up To 128, Add	0.97	
For >128 To 320, Add	0.54	
For >1,600, Deduct	-0.32	
09 29 00 00-0046 SF 5/8" Soundproof Gypsum Board	4.56	0.54
For Curved Surfaces With A 2'-0" Maximum Radius, Add	0.29	
For Times When The Shortest Distance From Corner to Corner Is <3', Add	0.55	
For Adhesive Applied Sheets Instead Of Fasteners (Includes Bracing Until Adhesive Is Bonded), Add	0.11	
For Horizontal Installation Up To 10' High, Add	0.37	
For Horizontal Installation >10' High, Add	0.55	
For Walls >10' High, Add	0.09	
For Up To 128, Add	1.13	
For >128 To 320, Add	0.62	
For >1,600, Deduct	-0.40	
09 29 00 00-0047 Shaft Wall <small>(09 29)</small> See CSI section 09 29 00 00-0054 for finishing drywall.		
09 29 00 00-0048 SF 3/4" Fire Rated Shaft Wall Assembly	5.63	2.26
Note: 1/4" thick fiber-cement board with tapered edges over 1/2" thick type "X" gypsum board. Excludes studs or wall structure.		
For Times When The Shortest Distance From Corner to Corner Is <3', Add	2.26	
For Horizontal Installation Up To 10' High, Add	1.54	
For Horizontal Installation >10' High, Add	2.26	
For Walls >10' High, Add	0.36	
For Up To 128, Add	2.03	
For >128 To 320, Add	1.24	
For >1,600, Deduct	-0.34	
09 29 00 00-0049 SF 7/8" Fire Rated Shaft Wall Assembly	6.56	2.72
Note: 1/4" thick fiber-cement board with tapered edges over 5/8" thick type "X" gypsum board. Excludes studs or wall structure.		
For Times When The Shortest Distance From Corner to Corner Is <3', Add	2.71	
For Horizontal Installation Up To 10' High, Add	1.84	
For Horizontal Installation >10' High, Add	2.71	
For Walls >10' High, Add	0.43	
For Up To 128, Add	2.40	
For >128 To 320, Add	1.47	
For >1,600, Deduct	-0.39	
09 29 00 00-0050 SF 2-1/2", 25 Gauge C-H Stud/J-Runner, 1" Gypsum Liner Panel Shaft Wall Assembly	5.54	1.75
Note: Includes sealant installed at top of wall and panel gaps. Excludes additional gypsum panels and finishing.		
For Times When The Shortest Distance From Corner to Corner Is <3', Add	1.74	
For Horizontal Installation Up To 10' High, Add	1.18	
For Horizontal Installation >10' High, Add	1.74	
For Walls >10' High, Add	0.28	
For Up To 128, Add	1.80	
For >128 To 320, Add	1.08	
For Glass Mat Surfaces, Add	0.25	
09 29 00 00-0051 SF 4", 25 Gauge C-H Stud/J-Runner, 1" Gypsum Liner Panel Shaft Wall Assembly	5.88	1.83
Note: Includes sealant installed at top of wall and panel gaps. Excludes additional gypsum panels and finishing.		
For Times When The Shortest Distance From Corner to Corner Is <3', Add	1.83	
For Horizontal Installation Up To 10' High, Add	1.24	
For Horizontal Installation >10' High, Add	1.83	
For Walls >10' High, Add	0.29	
For Up To 128, Add	1.91	
For >128 To 320, Add	1.14	
For Glass Mat Surfaces, Add	0.25	

09 Finishes**09 20 Plaster And Gypsum Board****09 29 Gypsum Board**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 29 00 00-0052	SF		2-1/2", 20 Gauge C-H Stud/J-Runner, 1" Gypsum Liner Panel Shaft Wall Assembly.....	6.31	1.83
			Note: Includes sealant installed at top of wall and panel gaps. Excludes additional gypsum panels and finishing.		
			For Times When The Shortest Distance From Corner to Corner Is <3', Add	1.83	
			For Horizontal Installation Up To 10' High, Add	1.24	
			For Horizontal Installation >10' High, Add	1.83	
			For Walls >10' High, Add	0.29	
			For Up To 128, Add	1.99	
			For >128 To 320, Add	1.18	
			For Glass Mat Surfaces, Add	0.25	
09 29 00 00-0053	SF		4", 20 Gauge C-H Stud/J-Runner, 1" Gypsum Liner Panel Shaft Wall Assembly	6.66	1.92
			Note: Includes sealant installed at top of wall and panel gaps. Excludes additional gypsum panels and finishing.		
			For Times When The Shortest Distance From Corner to Corner Is <3', Add	1.92	
			For Horizontal Installation Up To 10' High, Add	1.30	
			For Horizontal Installation >10' High, Add	1.92	
			For Walls >10' High, Add	0.31	
			For Up To 128, Add	2.10	
			For >128 To 320, Add	1.24	
			For Glass Mat Surfaces, Add	0.25	
09 29 00 00-0054			Finishing Gypsum Board Applications <small>(09 29)</small>		
			Note: Includes flat or curved walls, columns, soffits, recesses, and chases. Tape, spackle, sand and finish gypsum board to the appropriate level as defined by ASTM C 840. No taping or finishing is required for Level 0. For Level 1, tape is set in compound at joints and interior angles. Ridges and tool marks are acceptable. For Level 2, tape is set in compound and wiped with a joint knife leaving a thin coating of compound over joints, interior angles, fastener heads, and beads. Ridges and tool marks are acceptable. Compound applied over the body of the tape at the time of the tape is set satisfies the conditions for this level. For Level 3, tape is set in compound and one additional coat of compound is applied over all joints and interior angles. Fastener heads and accessories receive two separate coats of joint compound. Ridges and tool marks are not acceptable. For Level 4, tape is set in compound and two separate coats of compound are applied over all flat joints with one separate coat of compound applied over interior angles. Fastener heads and accessories receive three separate coats of compound. Ridges and tool marks are not acceptable. A Level 5 finish is a Level 4 finish plus a thin skim coat of compound applied to the entire drywall surface. All levels of finish require that the surface be free of excess compound. A single modifier may be used to change the level of finish to the appropriate level.		
09 29 00 00-0055			Finish Gypsum Board Walls, ASTM C840 Level 4 <small>(09 29 00 00-0054)</small>		
09 29 00 00-0056	SF		Up To 10' High, Walls, Tape, Spackle And Finish Gypsum Board.....	0.66	
			For Up To 128, Add	0.25	
			For >128 To 320, Add	0.15	
			For ASTM C840 Level 1 Finish, Deduct	-0.31	
			For ASTM C840 Level 2 Finish, Deduct	-0.15	
			For ASTM C840 Level 3 Finish, Deduct	-0.06	
			For ASTM C840 Level 5 High Quality Finish, Add	0.48	
09 29 00 00-0057	SF		>10' High, Walls, Tape, Spackle And Finish Gypsum Board	0.88	
			Note: Use this task for the entire wall area when the wall is >10' high.		
			For Up To 128, Add	0.34	
			For >128 To 320, Add	0.21	
			For ASTM C840 Level 1 Finish, Deduct	-0.42	
			For ASTM C840 Level 2 Finish, Deduct	-0.21	
			For ASTM C840 Level 3 Finish, Deduct	-0.08	
			For ASTM C840 Level 5 High Quality Finish, Add	0.65	
09 29 00 00-0058			Finish Gypsum Board Ceilings, ASTM C840 Level 4 <small>(09 29 00 00-0054)</small>		
09 29 00 00-0059	SF		Up To 10' High, Ceilings, Tape, Spackle And Finish Gypsum Board.....	0.83	
			For Up To 128, Add	0.32	
			For >128 To 320, Add	0.20	
			For ASTM C840 Level 1 Finish, Deduct	-0.39	
			For ASTM C840 Level 2 Finish, Deduct	-0.20	
			For ASTM C840 Level 3 Finish, Deduct	-0.08	
			For ASTM C840 Level 5 High Quality Finish, Add	0.61	
09 29 00 00-0060	SF		>10' High, Ceilings, Tape, Spackle And Finish Gypsum Board.....	1.03	
			Note: Use this task for the entire wall area when the wall is >10' high.		
			For Up To 128, Add	0.40	
			For >128 To 320, Add	0.25	
			For ASTM C840 Level 1 Finish, Deduct	-0.49	
			For ASTM C840 Level 2 Finish, Deduct	-0.25	
			For ASTM C840 Level 3 Finish, Deduct	-0.10	
			For ASTM C840 Level 5 High Quality Finish, Add	0.76	
09 29 00 00-0061			Finish Gypsum Board Vertical Corners, ASTM C840 Level 4 <small>(09 29 00 00-0054)</small>		
			Note: Inside or outside gypsum board corners.		
09 29 00 00-0062	LF		Up To 10' High, Vertical Corners, Tape, Spackle And Finish Gypsum Board.....	1.33	
			For ASTM C840 Level 1 Finish, Deduct	-0.61	
			For ASTM C840 Level 2 Finish, Deduct	-0.31	
			For ASTM C840 Level 3 Finish, Deduct	-0.12	
			For ASTM C840 Level 5 High Quality Finish, Add	0.97	
09 29 00 00-0063	LF		>10' High, Vertical Corners, Tape, Spackle And Finish Gypsum Board.....	1.58	
			Note: Use this task for the entire wall area when the wall is >10' high.		
			For ASTM C840 Level 1 Finish, Deduct	-0.74	
			For ASTM C840 Level 2 Finish, Deduct	-0.37	
			For ASTM C840 Level 3 Finish, Deduct	-0.15	
			For ASTM C840 Level 5 High Quality Finish, Add	1.16	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 29 00 00-0064 Finish Gypsum Board Horizontal Corners, ASTM C840 Level 4 <small>(09 29 00 00-0054)</small>		
<i>Note: Inside or outside gypsum board corners.</i>		
09 29 00 00-0065 LF Up To 10' High, Horizontal Corners, Tape, Spackle And Finish Gypsum Board.....	1.54	
<i>For ASTM C840 Level 1 Finish, Deduct</i>		
<i>For ASTM C840 Level 2 Finish, Deduct</i>		
<i>For ASTM C840 Level 3 Finish, Deduct</i>		
<i>For ASTM C840 Level 5 High Quality Finish, Add</i>		
09 29 00 00-0066 LF >10' High, Horizontal Corners, Tape, Spackle And Finish Gypsum Board	1.84	
<i>Note: Use this task for the entire wall area when the wall is >10' high.</i>		
<i>For ASTM C840 Level 1 Finish, Deduct</i>		
<i>For ASTM C840 Level 2 Finish, Deduct</i>		
<i>For ASTM C840 Level 3 Finish, Deduct</i>		
<i>For ASTM C840 Level 5 High Quality Finish, Add</i>		
09 29 00 00-0067 Textured Finishes For Gypsum Board <small>(09 29 00 00-0054)</small>		
09 29 00 00-0068 SF "Popcorn" Spray Applied, Finish On Existing Gypsum Board Ceiling	0.35	
09 29 00 00-0069 SF Textured Finish On Existing Gypsum Board Ceiling	0.68	
<i>Note: For non spray applied textures.</i>		
09 29 00 00-0070 SF Spray Applied Orange Peel Finish On Existing Gypsum Board Wall	0.32	
09 29 00 00-0071 SF Spray Applied Knockdown Or Skip Trowel Finish On Existing Gypsum Board Wall.....	0.41	
09 29 00 00-0072 Casing And Corner Beads <small>(09 29)</small>		
09 29 00 00-0073 LF Casing, Galvanized Steel J-Bead For Gypsum Board	3.17	0.90
09 29 00 00-0074 LF Corner Bead, Galvanized Steel For Gypsum Board	3.08	0.90
09 29 00 00-0075 Architectural Forms <small>(09 29)</small>		
09 29 00 00-0076 SF 1" Architectural Foam Forms For Gypsum Board Cover.....	4.01	
09 29 00 00-0077 Preformed Architectural Profiles <small>(09 29)</small>		
09 29 00 00-0078 Trim Reveals For Gypsum Board <small>(09 29 00 00-0077)</small>		
09 29 00 00-0079 LF 1/8" x 1/2" Aluminum Extrusions, Single Fin Trim Reveal For Gypsum Board.....	3.00	1.09
09 29 00 00-0080 LF 1/4" x 1/2" Aluminum Extrusions, Single Fin Trim Reveal For Gypsum Board.....	3.01	1.09
09 29 00 00-0081 LF 3/8" x 1/2" Aluminum Extrusions, Single Fin Trim Reveal For Gypsum Board.....	3.06	1.09
09 29 00 00-0082 LF 1/2" x 1/2" Aluminum Extrusions, Single Fin Trim Reveal For Gypsum Board.....	3.09	1.09
09 29 00 00-0083 LF 5/8" x 1/2" Aluminum Extrusions, Single Fin Trim Reveal For Gypsum Board.....	3.15	1.09
09 29 00 00-0084 LF 3/4" x 1/2" Aluminum Extrusions, Single Fin Trim Reveal For Gypsum Board.....	3.22	1.09
09 29 00 00-0085 LF 1" x 1/2" Aluminum Extrusions, Single Fin Trim Reveal For Gypsum Board.....	3.28	1.09
09 29 00 00-0086 LF 1-1/2" x 1/2" Aluminum Extrusions, Single Fin Trim Reveal For Gypsum Board	3.49	1.09
09 29 00 00-0087 LF 2" x 1/2" Aluminum Extrusions, Single Fin Trim Reveal For Gypsum Board.....	3.69	1.09
09 29 00 00-0088 LF 1/8" x 5/8" Aluminum Extrusions, Single Fin Trim Reveal For Gypsum Board.....	3.15	1.18
09 29 00 00-0089 LF 1/4" x 5/8" Aluminum Extrusions, Single Fin Trim Reveal For Gypsum Board.....	3.15	1.18
09 29 00 00-0090 LF 3/8" x 5/8" Aluminum Extrusions, Single Fin Trim Reveal For Gypsum Board.....	3.29	1.18
09 29 00 00-0091 LF 1/2" x 5/8" Aluminum Extrusions, Single Fin Trim Reveal For Gypsum Board.....	3.32	1.18
09 29 00 00-0092 LF 5/8" x 5/8" Aluminum Extrusions, Single Fin Trim Reveal For Gypsum Board.....	3.41	1.18
09 29 00 00-0093 LF 3/4" x 5/8" Aluminum Extrusions, Single Fin Trim Reveal For Gypsum Board.....	3.45	1.18
09 29 00 00-0094 LF 1" x 5/8" Aluminum Extrusions, Single Fin Trim Reveal For Gypsum Board.....	3.50	1.18
09 29 00 00-0095 LF 1 1/2" x 5/8" Aluminum Extrusions, Single Fin Trim Reveal For Gypsum Board.....	3.73	1.18
09 29 00 00-0096 LF 2" x 5/8" Aluminum Extrusions, Single Fin Trim Reveal For Gypsum Board.....	3.96	1.18
09 29 00 00-0097 LF 3" x 5/8", Aluminum Extrusions, Single Fin Trim Reveal For Gypsum Board.....	5.12	1.36
09 29 00 00-0098 LF 4" x 5/8", Aluminum Extrusions, Single Fin Trim Reveal For Gypsum Board.....	5.50	1.36
09 29 00 00-0099 Edge Trim For Gypsum Board <small>(09 29 00 00-0077)</small>		
09 29 00 00-0100 LF 1/2" Aluminum Extrusions, Edge Trim For Gypsum Board	2.92	1.13
09 29 00 00-0101 LF 5/8" Aluminum Extrusions, Edge Trim For Gypsum Board	3.03	1.13
09 29 00 00-0102 LF 1" Aluminum Extrusions, Edge Trim For Gypsum Board	3.45	1.25
09 29 00 00-0103 LF 1-1/4" Aluminum Extrusions, Edge Trim For Gypsum Board	3.64	1.36
09 29 00 00-0104 LF 1/2" Flexible Aluminum Extrusions, Edge Trim For Gypsum Board.....	4.20	1.13
09 29 00 00-0105 LF 5/8" Flexible Aluminum Extrusions, Edge Trim For Gypsum Board	4.30	1.13
09 29 00 00-0106 LF 1" Flexible Aluminum Extrusions, Edge Trim For Gypsum Board.....	4.73	1.25
09 29 00 00-0107 LF 1-1/4" Flexible Aluminum Extrusions, Edge Trim For Gypsum Board.....	4.92	1.36
09 29 00 00-0108 Bevel Trim For Gypsum Board <small>(09 29 00 00-0077)</small>		
09 29 00 00-0109 LF 5/16" x 1/4" Aluminum Extrusions, Bevel Trim For Gypsum Board.....	3.03	1.13
09 29 00 00-0110 LF 5/8" x 5/8" Aluminum Extrusions, Bevel Trim For Gypsum Board.....	3.42	1.25
09 29 00 00-0111 Trim/Wainscot Caps For Gypsum Board <small>(09 29 00 00-0077)</small>		
09 29 00 00-0112 LF 1-1/2" Wide Aluminum Extrusions, Trim/Wainscot Cap For Gypsum Board	3.86	1.36
09 29 00 00-0113 Single Fin Wall/Trim Reveals For Gypsum Board <small>(09 29 00 00-0077)</small>		
09 29 00 00-0114 LF 1/8" x 1/2" Aluminum Extrusions, Single Fin Wall Reveal For Gypsum Board.....	2.44	0.72
09 29 00 00-0115 LF 1/4" x 1/2" Aluminum Extrusions, Single Fin Wall Reveal For Gypsum Board.....	2.60	0.81

09 Finishes**09 20 Plaster And Gypsum Board****09 29 Gypsum Board**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 29 00 00-0116 LF 3/8" x 1/2" Aluminum Extrusions, Single Fin Wall Reveal For Gypsum Board.....	3.00	0.90
09 29 00 00-0117 LF 1/2" x 1/2" Aluminum Extrusions, Single Fin Wall Reveal For Gypsum Board.....	3.22	1.00
09 29 00 00-0118 LF 5/8" x 1/2" Aluminum Extrusions, Single Fin Wall Reveal For Gypsum Board.....	3.41	1.09
09 29 00 00-0119 LF 3/4" x 1/2" Aluminum Extrusions, Single Fin Wall Reveal For Gypsum Board.....	3.45	1.09
09 29 00 00-0120 LF 1" x 1/2" Aluminum Extrusions, Single Fin Wall Reveal For Gypsum Board.....	3.56	1.09
09 29 00 00-0121 LF 1-1/2" x 1/2" Aluminum Extrusions, Single Fin Wall Reveal For Gypsum Board.....	3.78	1.09
09 29 00 00-0122 LF 2" x 1/2" Aluminum Extrusions, Single Fin Wall Reveal For Gypsum Board.....	3.86	1.09
09 29 00 00-0123 LF 1/8" x 5/8" Aluminum Extrusions, Single Fin Wall Reveal For Gypsum Board.....	3.41	1.18
09 29 00 00-0124 LF 1/4" x 5/8" Aluminum Extrusions, Single Fin Wall Reveal For Gypsum Board.....	3.44	1.18
09 29 00 00-0125 LF 3/8" x 5/8" Aluminum Extrusions, Single Fin Wall Reveal For Gypsum Board.....	3.58	1.18
09 29 00 00-0126 LF 1/2" x 5/8" Aluminum Extrusions, Single Fin Wall Reveal For Gypsum Board.....	3.64	1.18
09 29 00 00-0127 LF 5/8" x 5/8" Aluminum Extrusions, Single Fin Wall Reveal For Gypsum Board.....	3.69	1.18
09 29 00 00-0128 LF 3/4" x 5/8" Aluminum Extrusions, Single Fin Wall Reveal For Gypsum Board.....	3.75	1.18
09 29 00 00-0129 LF 1" x 5/8" Aluminum Extrusions, Single Fin Wall Reveal For Gypsum Board.....	3.84	1.18
09 29 00 00-0130 LF 1-1/2" x 5/8" Aluminum Extrusions, Single Fin Wall Reveal For Gypsum Board.....	4.07	1.18
09 29 00 00-0131 LF 2" x 5/8" Aluminum Extrusions, Single Fin Wall Reveal For Gypsum Board.....	4.27	1.18
09 29 00 00-0132 LF 3" x 5/8" Aluminum Extrusions, Single Fin Wall Reveal For Gypsum Board.....	4.88	1.18
09 29 00 00-0133 LF 4" x 5/8" Aluminum Extrusions, Single Fin Wall Reveal For Gypsum Board.....	6.05	1.18
09 29 00 00-0134 LF 3-1/16" x 7/16", Aluminum Extrusions, Single Fin Wall Base For Gypsum Board.....	4.65	1.18
09 29 00 00-0135 LF 3-1/16" x 9/16", Aluminum Extrusions, Single Fin Wall Base For Gypsum Board.....	4.75	1.18
09 29 00 00-0136 LF 4-1/16" x 7/16", Aluminum Extrusions, Single Fin Wall Base For Gypsum Board.....	5.10	1.18
09 29 00 00-0137 LF 4-1/16" x 9/16", Aluminum Extrusions, Single Fin Wall Base For Gypsum Board.....	5.13	1.18
09 29 00 00-0138 LF 9/16" Tall with 1/2" Reveal, Aluminum Extrusions, Single Fin Wall Base With Reveal For Gypsum Board.....	5.63	1.18
09 29 00 00-0139 LF 5/8" Aluminum Extrusions, Single Fin Wall/Trim Reveal Hanging Track For Gypsum Board.....	4.89	1.18
09 29 00 00-0140 'V' Groove Wall Reveals For Gypsum Board (09 29 00 00-0077)		
09 29 00 00-0141 LF 1/4" x 5/8" Aluminum Extrusions, 'V' Groove Wall Reveal For Gypsum Board.....	4.44	1.63
09 29 00 00-0142 LF 3/4" x 1/2" Aluminum Extrusions, 'V' Groove Wall Reveal For Gypsum Board.....	5.14	1.81
09 29 00 00-0143 LF 1" x 1/2" Aluminum Extrusions, 'V' Groove Wall Reveal For Gypsum Board.....	5.88	2.17
09 29 00 00-0144 LF 9/32" x 5/8" Aluminum Extrusions, 'V' Groove Wall Reveal For Gypsum Board.....	6.17	2.35
09 29 00 00-0145 Double Fin Wall Reveals For Gypsum Board (09 29 00 00-0077)		
09 29 00 00-0146 LF 3/8" x 3/8" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board.....	3.61	1.09
09 29 00 00-0147 LF 1/8" x 1/2" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board.....	3.64	1.09
09 29 00 00-0148 LF 1/4" x 1/2" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board.....	3.66	1.09
09 29 00 00-0149 LF 3/8" x 1/2" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board.....	3.66	1.09
09 29 00 00-0150 LF 1/2" x 1/2" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board.....	3.78	1.09
09 29 00 00-0151 LF 5/8" x 1/2" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board.....	3.83	1.08
09 29 00 00-0152 LF 3/4" x 1/2" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board.....	3.88	1.09
09 29 00 00-0153 LF 1" x 1/2" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board.....	4.00	1.09
09 29 00 00-0154 LF 1-1/2" x 1/2" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board.....	4.19	1.09
09 29 00 00-0155 LF 2" x 1/2" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board.....	4.39	1.09
09 29 00 00-0156 LF 3/8" x 5/8" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board.....	3.86	1.18
09 29 00 00-0157 LF 1/4" x 5/8" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board.....	3.88	1.18
09 29 00 00-0158 LF 3/8" x 5/8" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board.....	3.93	1.18
09 29 00 00-0159 LF 1/2" x 5/8" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board.....	4.05	1.18
09 29 00 00-0160 LF 5/8" x 5/8" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board.....	4.10	1.18
09 29 00 00-0161 LF 3/4" x 5/8" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board.....	4.14	1.18
09 29 00 00-0162 LF 1" x 5/8" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board.....	4.27	1.18
09 29 00 00-0163 LF 1-1/2" x 5/8" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board.....	4.47	1.18
09 29 00 00-0164 LF 2" x 5/8" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board.....	4.67	1.18
09 29 00 00-0165 LF 3" x 5/8" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board.....	5.22	1.18
09 29 00 00-0166 LF 4" x 5/8" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board.....	6.37	1.18
09 29 00 00-0167 LF 1-1/2" x 1" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board.....	6.01	1.29
09 29 00 00-0168 LF 3/4" x 1 1/2" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board.....	6.98	1.57
09 29 00 00-0169 LF 1-1/2" x 1-1/2" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board.....	7.15	1.57
09 29 00 00-0170 LF 1/2", Aluminum Extrusions, Double Fin Hanging Track Wall Reveal For Gypsum Board.....	5.36	1.08
09 29 00 00-0171 LF 1 3/16", Aluminum Extrusions, Double Fin Hanging Track Wall Reveal For Gypsum Board.....	5.69	1.57
09 29 00 00-0172 LF 1/4" Aluminum Extrusions, Double Fin Wall Covering Joiner For Gypsum Board.....	4.03	1.08
09 29 00 00-0173 Special Conditions Reveals For Gypsum Board (09 29 00 00-0077)		
09 29 00 00-0174 Radius Conditions (09 29 00 00-0173)		
09 29 00 00-0175 EA 8' Long Inside Radius For Gypsum Board.....	31.92	
Note: Task used in conjunction with "Preformed Architectural Profiles" tasks.		
09 29 00 00-0176 EA 8' Long Outside Radius For Gypsum Board.....	31.92	
Note: Task used in conjunction with "Preformed Architectural Profiles" tasks.		
09 29 00 00-0177 EA 8' Long Circular / Arched Radius For Gypsum Board.....	31.92	
Note: Task used in conjunction with "Preformed Architectural Profiles" tasks.		
09 29 00 00-0178 Knee Brace Kit (09 29 00 00-0173)		
09 29 00 00-0179 EA 46" H, Aluminum Extrusions, Knee Brace Kit For Gypsum Board.....	83.88	11.30
09 29 00 00-0180 Wall Bumper Rail (09 29 00 00-0173)		
09 29 00 00-0181 LF 2-1/2" x 5/8", Aluminum Extrusions, Wall Bumper Rail For Gypsum Board.....	15.42	4.51



MINOR	CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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09 29 00 00-0182

Corners For Gypsum Board (09 29 00 00-0077)

09 29 00 00-0183	LF	1/2" R, Aluminum Extrusions, Outside Corner For Gypsum Board.....	3.45	1.09
09 29 00 00-0184	LF	5/8" R, Aluminum Extrusions, Outside Corner For Gypsum Board.....	3.70	1.18
09 29 00 00-0185	LF	3/4" R, Aluminum Extrusions, Outside Corner For Gypsum Board.....	4.01	1.23
09 29 00 00-0186	LF	1" R, Aluminum Extrusions, Outside Corner For Gypsum Board.....	4.36	1.29
09 29 00 00-0187	LF	1-1/2" R, Aluminum Extrusions, Outside Corner For Gypsum Board.....	5.31	1.57
09 29 00 00-0188	LF	2" R, Aluminum Extrusions, Outside Corner For Gypsum Board.....	6.08	1.77
09 29 00 00-0189	LF	2-1/2" R, Aluminum Extrusions, Outside Corner For Gypsum Board.....	7.22	2.02
09 29 00 00-0190	LF	3" R, Aluminum Extrusions, Outside Corner For Gypsum Board.....	8.66	2.35
09 29 00 00-0191	LF	4" R, Aluminum Extrusions, Outside Corner For Gypsum Board.....	11.76	3.14
09 29 00 00-0192	LF	90 Degree 3/8" Aluminum Extrusions, Hi-Strength Corner For Gypsum Board.....	3.39	1.05
09 29 00 00-0193	LF	90 Degree 1-1/4" Aluminum Extrusions, Hi-Strength Corner For Gypsum Board.....	5.59	1.41
09 29 00 00-0194	LF	90 Degree 1-1/4" Aluminum Extrusions, Fabric Tuck Corner For Gypsum Board.....	4.53	1.41
09 29 00 00-0195	LF	90 Degree 1-1/4" Aluminum Extrusions, Corner With Vertical Reveal For Gypsum Board.....	6.71	1.41
09 29 00 00-0196	LF	45 Degree 2" Aluminum Extrusions, Corner For Gypsum Board.....	9.22	1.77
09 29 00 00-0197	LF	60 Degree 2" Aluminum Extrusions, Corner For Gypsum Board.....	8.94	1.77
09 29 00 00-0198	LF	3/4" Aluminum Extrusions, Chamfered Corner For Gypsum Board.....	3.59	1.23
09 29 00 00-0199	LF	5/8" R, Aluminum Extrusions, Corners Return For Gypsum Board.....	3.54	1.18
09 29 00 00-0200	LF	1/2" x 1/2" Aluminum Extrusions, Double Corner Step For Gypsum Board.....	3.43	1.09
09 29 00 00-0201	LF	5/8" x 5/8" Aluminum Extrusions, Double Corner Step For Gypsum Board.....	3.65	1.18
09 29 00 00-0202	LF	1" x 1" Aluminum Extrusions, Double Corner Step For Gypsum Board.....	4.53	1.29
09 29 00 00-0203	LF	1/2" x 1/2" Aluminum Extrusions, Triple Corner Step For Gypsum Board.....	3.93	1.09
09 29 00 00-0204	LF	5/8" x 5/8" Aluminum Extrusions, Triple Corner Step For Gypsum Board.....	4.19	1.18
09 29 00 00-0205	LF	1" x 1" Aluminum Extrusions, Triple Corner Step For Gypsum Board.....	5.57	1.29
09 29 00 00-0206	LF	1/3" x 1/2" Aluminum Extrusions, Quad Corner Step For Gypsum Board.....	5.72	1.09
09 29 00 00-0207	LF	3" Aluminum Extrusions, Bullnose For Gypsum Board.....	10.46	2.35
09 29 00 00-0208	LF	3-7/8" Aluminum Extrusions, Bullnose For Gypsum Board.....	10.97	2.35
09 29 00 00-0209	LF	5-3/8", Aluminum Extrusions, Bullnose For Gypsum Board.....	19.74	3.92
09 29 00 00-0210	LF	7-3/8", Aluminum Extrusions, Bullnose For Gypsum Board.....	31.55	5.56
09 29 00 00-0211	LF	3/4" R, Aluminum Extrusions, Inside Corner For Gypsum Board.....	4.02	1.21
09 29 00 00-0212	LF	1" R, Aluminum Extrusions, Inside Corner For Gypsum Board.....	4.44	1.27
09 29 00 00-0213	LF	1-1/2" R, Aluminum Extrusions, Inside Corner For Gypsum Board.....	5.37	1.55
09 29 00 00-0214	LF	2" R, Aluminum Extrusions, Inside Corner For Gypsum Board.....	6.39	1.74
09 29 00 00-0215	LF	2-1/2" R, Aluminum Extrusions, Inside Corner For Gypsum Board.....	8.43	1.99
09 29 00 00-0216	LF	3" R, Aluminum Extrusions, Inside Corner For Gypsum Board.....	9.34	2.32
09 29 00 00-0217	LF	4" R, Aluminum Extrusions, Inside Corner For Gypsum Board.....	11.20	3.10
09 29 00 00-0218	LF	3-5/8", Aluminum Extrusions, Aluminum Wall Cap For Gypsum Board.....	7.58	2.32
09 29 00 00-0219	LF	3-7/8", Aluminum Extrusions, Aluminum Wall Cap For Gypsum Board.....	7.65	2.32
09 29 00 00-0220	LF	4-3/4", Aluminum Extrusions, Aluminum Wall Cap For Gypsum Board.....	8.06	2.32
09 29 00 00-0221	LF	5", Aluminum Extrusions, Aluminum Wall Cap For Gypsum Board.....	8.18	2.32

09 30 Tiling (09)

Note: All tiles are standard grade ANSI 137.1 or higher, mounted and unmounted, cushioned or non-cushioned edge, all tile colors, all grout colors, PEI rating 1 through 4, and include patterns. Glazing shall meet ASTM C484 and C424. Mounted tiles are assembled into sheets to facilitate handling and installation. Perforated paper, fiber mesh, or other suitable bonding material applied to the front, backs or edges of the tile can be used to mount the tiles. Cushioned edge tile has facial edges with a distinct curvature that results in a slightly recessed joint. All floor, wall, ceiling, cove base and trim tile will be installed in accordance with ANSI 108.1 using these setting methods.

09 30 13 Ceramic Tiling (09 30)

Note: Includes grout and sealing. Excludes setting method. See CSI section 09 31 00 00-0000 for thin-set, 09 32 00 00-0000 for mortar-bed, 09 35 00 00-0000 for chemical-resistant.

09 30 13 00-0001 Ceramic Tiling (09 30 13)

09 30 13 00-0002	SF	Less Than 8" x 8" Mounted Floor Tile.....	8.69	2.29
		Note: Includes glazed porcelain, unglazed porcelain and glazed ceramic tiles. Tiles mounted from back, side or front in 12" x 12", 12" x 24", or similar sized sheets.		
		<i>For Up To 50, Add</i>	5.61	
		<i>For >50 To 250, Add</i>	0.92	
		<i>For >1,000, Deduct</i>	-0.46	
		<i>For Epoxy Grout, Add</i>	0.97	
		<i>For Heavy Duty Floors With A PEI 5 Rating, Add</i>	1.00	
09 30 13 00-0003	SF	8" x 8" And Larger Unmounted Floor Tile.....	9.83	1.42
		Note: Includes glazed porcelain, unglazed porcelain and glazed ceramic tiles.		
		<i>For Up To 50, Add</i>	6.75	
		<i>For >50 To 250, Add</i>	1.14	
		<i>For >1,000, Deduct</i>	-0.57	
		<i>For Epoxy Grout, Add</i>	1.14	
		<i>For Heavy Duty Floors With A PEI 5 Rating, Add</i>	1.00	
09 30 13 00-0004	SF	Mounted Floor Tile, Residential Grade.....	7.17	2.29
		Note: Includes glazed porcelain, unglazed porcelain and glazed ceramic tiles. Tiles mounted from back, side or front in 12" x 12", 12" x 24", or similar sized sheets.		
		<i>For Up To 50, Add</i>	5.23	
		<i>For >50 To 250, Add</i>	0.92	
		<i>For >1,000, Deduct</i>	-0.46	

09 Finishes**09 30 Tiling****09 30 13 Ceramic Tiling**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 30 13 00-0005 SF Less than 8" x 8" Mounted Wall Tile Note: Includes glazed porcelain, unglazed porcelain and glazed ceramic tiles. Tiles mounted from back, side or front in 12" x 12", 12" x 24", or similar sized sheets. <i>For Up To 50, Add</i> <i>For >50 To 250, Add</i> <i>For >1,000, Deduct</i> <i>For Epoxy Grout, Add</i>	9.66 6.58 1.11 -0.56 1.11	2.78
09 30 13 00-0006 SF 8" x 8" And Larger Unmounted Wall Tile..... Note: Includes glazed porcelain, unglazed porcelain and glazed ceramic tiles. <i>For Up To 50, Add</i> <i>For >50 To 250, Add</i> <i>For >1,000, Deduct</i> <i>For Epoxy Grout, Add</i>	11.12 8.04 1.40 -0.70 1.33	1.76
09 30 13 00-0007 SF Mounted Wall Tile, Residential Grade..... Note: Includes glazed porcelain, unglazed porcelain and glazed ceramic tiles. Tiles mounted from back, side or front in 12" x 12", 12" x 24", or similar sized sheets. <i>For Up To 50, Add</i> <i>For >50 To 250, Add</i> <i>For >1,000, Deduct</i>	8.14 6.20 1.11 -0.56	2.78
09 30 13 00-0008 SF Less than 8" x 8" Mounted Ceiling Tile Note: Includes glazed porcelain, unglazed porcelain and glazed ceramic tiles. Tiles mounted from back, side or front in 12" x 12", 12" x 24", or similar sized sheets. <i>For Up To 50, Add</i> <i>For >50 To 250, Add</i> <i>For >1,000, Deduct</i> <i>For Chemical Resistant Epoxy Grout, Add</i>	13.72 10.64 1.92 -0.96 1.74	4.81
09 30 13 00-0009 SF 8" x 8" And Larger Unmounted Ceiling Tile..... Note: Includes glazed porcelain, unglazed porcelain and glazed ceramic tiles. <i>For Up To 50, Add</i> <i>For >50 To 250, Add</i> <i>For >1,000, Deduct</i> <i>For Chemical Resistant Epoxy Grout, Add</i>	15.65 12.57 2.31 -1.15 2.03	2.89
09 30 13 00-0010 LF 4-1/4" To 4-1/2" High Glazed Porcelain, Unglazed Porcelain And Glazed Ceramic Cove Base Or Trim..... <i>For Chemical Resistant Epoxy Grout, Add</i>	12.11 1.40	2.00
09 30 16 Quarry Tiling <small>(09 30)</small> Note: Includes grout and sealing. Excludes setting method. See CSI section 09 31 00 00-0000 for thin-set, 09 32 00 00-0000 for mortar-bed, 09 35 00 00-0000 for chemical-resistant.		
09 30 16 00-0001 SF Unglazed Quarry Floor Tile..... Note: With or without embedded abrasive grit. <i>For Up To 50, Add</i> <i>For >50 To 250, Add</i> <i>For >1,000, Deduct</i> <i>For Epoxy Grout, Add</i>	8.27 6.88 1.28 -0.64 1.24	1.62
09 30 16 00-0002 SF Glazed Quarry Floor Tile..... <i>For Up To 50, Add</i> <i>For >50 To 250, Add</i> <i>For >1,000, Deduct</i> <i>For Epoxy Grout, Add</i>	14.02 8.31 1.28 -0.64 1.24	1.62
09 30 16 00-0003 SF Unglazed Quarry Wall Tile..... Note: With or without embedded abrasive grit. <i>For Up To 50, Add</i> <i>For >50 To 250, Add</i> <i>For >1,000, Deduct</i> <i>For Epoxy Grout, Add</i>	9.55 8.16 1.54 -0.77 1.43	1.91
09 30 16 00-0004 SF Glazed Quarry Wall Tile..... <i>For Up To 50, Add</i> <i>For >50 To 250, Add</i> <i>For >1,000, Deduct</i> <i>For Epoxy Grout, Add</i>	15.30 9.59 1.54 -0.77 1.43	1.91
09 30 16 00-0005 LF 6" High Unglazed Quarry Tile Cove Base Or Trim..... <i>For Chemical Resistant Epoxy Grout, Add</i>	11.37 1.47	2.12
09 30 16 00-0006 LF 6" High Glazed Quarry Tile Cove Base Or Trim..... <i>For Chemical Resistant Epoxy Grout, Add</i>	20.80 1.47	2.12
09 31 Thin-Set Tiling <small>(09 30)</small> Note: Tile setting methods in this section are used with ceramic or quarry tile materials as applicable, for a complete installation.		
09 31 00 00-0001 SF Thin Set - Latex Portland Cement Mortar <i>For Up To 50, Add</i> <i>For >50 To 250, Add</i> <i>For >1,000, Deduct</i>	1.32 1.19 0.23 -0.11	0.76
09 31 00 00-0002 SF Clean And Scarify Existing Tile For Installation Of New Tile Over Existing..... <i>For Up To 50, Add</i> <i>For >50 To 250, Add</i> <i>For >1,000, Deduct</i>	0.73 0.73 0.15 -0.07	0.73
09 32 Mortar-Bed Tiling <small>(09 30)</small> Note: Tile setting methods in this section are used with ceramic or quarry tile materials as applicable, for a complete installation.		
09 32 00 00-0001 SF 3/4" Minimum Thickness Portland Cement Mortar Setting Bed Note: For residential floors. Includes 15# felt and wire reinforcement.	3.35	1.53



Finishes	09	
Tiling	09 30	09
Mortar-Bed Tiling	09 32	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
			<i>For Up To 50, Add</i>	2.56	
			<i>For >50 To 250, Add</i>	0.46	
			<i>For >1,000, Deduct</i>	-0.23	
			<i>For Exterior Installation (Galvanized Reinforcement), Add</i>	0.15	
09 32	00 00-0002	SF	1-1/4" Minimum Thickness Portland Cement Mortar Setting Bed..... Note: For commercial floors. Includes 15# felt and wire reinforcement.	4.89	2.04
			<i>For Up To 50, Add</i>	3.51	
			<i>For >50 To 250, Add</i>	0.61	
			<i>For >1,000, Deduct</i>	-0.31	
			<i>For Exterior Installation (Galvanized Reinforcement), Add</i>	0.15	
09 32	00 00-0003	SF	3/4" Portland Cement Plaster Scratch Coat for Walls..... Note: Includes 15# felt and expanded metal lath.	10.48	4.58
			<i>For Up To 50, Add</i>	9.48	
			<i>For >50 To 250, Add</i>	1.83	
			<i>For >1,000, Deduct</i>	-0.92	
			<i>For Exterior Installation (Galvanized Reinforcement), Add</i>	0.15	
			<i>For Installation Without Felt And Metal Lath, Deduct</i>	-1.89	
09 34	Waterproofing-Membrane Tiling (09 30)				
09 34 00 00-0001	Bonded Waterproofing System for Tiled Showers, Steam Showers, and Bathtub Surrounds (09 34)				
09 34 00 00-0002	Prefabricated Assemblies For Tiled Showers (Schluter® KERDI Shower ST) (09 34 00 00-0001)				
	Note: For creating a watertight sloped shower assembly without a mortar bed. Includes a prefabricated polystyrene foam shower tray, 6" x 4-1/2" prefabricated polystyrene foam shower curb, waterproofing membrane for shower tray and surround, and center shower drain. Excludes tile, mortar, grout and shower accessories.				
09 34 00 00-0003	EA		48" x 48", Prefabricated Assembly For Tiled Showers (Schluter® KERDI Shower ST/SC).....	795.50	
09 34 00 00-0004	EA		32" x 60", Prefabricated Assembly For Tiled Showers (Schluter® KERDI Shower ST/SC).....	907.76	
09 34 00 00-0005	EA		72" x 72", Prefabricated Assembly For Tiled Showers (Schluter® KERDI Shower ST/SC).....	1,323.86	
09 34 00 00-0006	Prefabricated Polystyrene Shower Curbs And Ramps (09 34 00 00-0001)				
	Note: Prefabricated shower curbs and ramps for tiling over. Excludes tile.				
09 34 00 00-0007	EA		15-7/8" Width, 48" Length, Prefabricated Polystyrene Shower Ramp (Schluter® SR-122).....	96.86	
09 34 00 00-0008	EA		4-1/2" Width, 6" Height, 48" Length, Prefabricated Polystyrene Shower Curb (Schluter® SC-122).....	90.71	
09 34 00 00-0009	Prefabricated Polystyrene Shower Benches (09 34 00 00-0001)				
	Note: Prefabricated shower bench for tiling over. Excludes tile.				
09 34 00 00-0010	EA		16" Width, 16" Depth, 20" Height, Triangular Prefabricated Polystyrene Shower Bench (Schluter® SB41).....	182.70	
09 34 00 00-0011	EA		32" Width, 16" Depth, 20" Height, Rectangular Prefabricated Polystyrene Shower Bench (Schluter® SB4181).....	360.05	
09 34 00 00-0012	EA		48" Width, 16" Depth, 20" Height, Rectangular Prefabricated Polystyrene Shower Bench (Schluter® SB41122).....	442.81	
09 34 00 00-0013	EA		32" Width, 11-1/2" Depth, 20" Height, Rectangular Prefabricated Polystyrene Shower Bench (Schluter® SB2981).....	324.58	
09 34 00 00-0014	EA		42" Width, 11-1/2" Depth, 20" Height, Rectangular Prefabricated Polystyrene Shower Bench (Schluter® SB29107).....	360.05	
09 34 00 00-0015	EA		48" Width, 11-1/2" Depth, 20" Height, Rectangular Prefabricated Polystyrene Shower Bench (Schluter® SB29122).....	383.69	
09 34 00 00-0016	Prefabricated Polystyrene Shower Tray (09 34 00 00-0001)				
	Note: Prefabricated shower tray for tiling over. Excludes tile.				
09 34 00 00-0017	EA		32" x 60", Prefabricated Polystyrene Shower Tray (Schluter® ST-81/152).....	161.88	
09 34 00 00-0018	EA		48" x 48", Prefabricated Polystyrene Shower Tray (Schluter® ST-122).....	161.88	
09 34 00 00-0019	EA		72" x 72", Prefabricated Polystyrene Shower Tray (Schluter® ST-183).....	244.65	
09 34 00 00-0020	Waterproofing, Uncoupling And Vapor Management Membranes (Schluter® DITRA) (09 34 00 00-0001)				
09 34 00 00-0021	SF		1/8" Thick, High-Density Polyethylene Membrane With Grid Structure And Underside Anchoring Fleece, Waterproofing, Uncoupling And Vapor Management Membrane (Schluter® DITRA).....	2.95	
09 34 00 00-0022	SF		5/16" Thick, High-Density Polyethylene Membrane With Grid Structure And Underside Anchoring Fleece, Waterproofing, Uncoupling And Vapor Management Membrane (Schluter® DITRA-XL).....	3.36	
09 34 00 00-0023	Bonded Waterproof Underlayment Membranes (Schluter® KERDI) (09 34 00 00-0001)				
09 34 00 00-0024	SF		0.008" Polyethylene Membrane With Polypropylene Fleece Laminated On Both Sides, Bonded Waterproof Underlayment Membrane (Schluter® KERDI 200/5M).....	2.63	
09 35	Chemical-Resistant Tiling (09 30)				
	Note: Tile setting methods in this section are used with ceramic or quarry tile materials as applicable, for a complete installation.				
09 35 00 00-0001	SF		Thin Set - Epoxy Mortar..... Note: Impact and chemical resistant.	3.47	1.00
			<i>For Up To 50, Add</i>	2.02	
			<i>For >50 To 250, Add</i>	0.31	
			<i>For >1,000, Deduct</i>	-0.15	
09 39	Tiling Transitions And Accessories (09 30)				
09 39 00 00-0001	Tile Substrate (Schluter® KERDI BOARD) (09 39)				

09 Finishes**09 30 Tiling****09 39 Tiling Transitions And Accessories**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 39 00 00-0002	LF		1/2" Tile Substrate And Building Panel (Schluter® KERDI BOARD)	5.29	0.63
09 39 00 00-0003	LF		5/8" Tile Substrate And Building Panel (Schluter® KERDI BOARD)	5.95	0.72
09 39 00 00-0004			Floor Edge Protection And Transition Profiles For Tile (09 39)		
09 39 00 00-0005	LF		1/4" Height, Aluminum Edge Protection Trim For Tile (Schluter® SCHIENE).....	2.50	
09 39 00 00-0006	LF		5/16" Height, Aluminum Edge Protection Trim For Tile (Schluter® SCHIENE).....	2.56	
09 39 00 00-0007	LF		3/8" Height, Aluminum Edge Protection Trim For Tile (Schluter® SCHIENE).....	2.62	
09 39 00 00-0008	LF		1/2" Height, Aluminum Edge Protection Trim For Tile (Schluter® SCHIENE).....	2.73	
09 39 00 00-0009	LF		1/4" Height, Curved Aluminum Edge Protection Trim For Tile (Schluter® SCHIENE-RADIUS)	3.17	
09 39 00 00-0010	LF		5/16" Height, Curved Aluminum Edge Protection Trim For Tile (Schluter® SCHIENE-RADIUS)	3.25	
09 39 00 00-0011	LF		3/8" Height, Curved Aluminum Edge Protection Trim For Tile (Schluter® SCHIENE-RADIUS)	3.31	
09 39 00 00-0012	LF		1/2" Height, Curved Aluminum Edge Protection Trim For Tile (Schluter® SCHIENE-RADIUS)	3.38	
09 39 00 00-0013	LF		9/16" Height, Aluminum Transition Trim For Tile (Schluter® RENO-T).....	2.60	
09 39 00 00-0014	LF		1" Height, Aluminum Transition Trim For Tile (Schluter® RENO-T).....	3.38	
09 39 00 00-0015	LF		1/4" Height, Aluminum Transition Trim For Tile (Schluter® RENO-TK).....	3.18	
09 39 00 00-0016	LF		5/16" Height, Aluminum Transition Trim For Tile (Schluter® RENO-TK).....	3.32	
09 39 00 00-0017	LF		3/8" Height, Aluminum Transition Trim For Tile (Schluter® RENO-TK).....	3.46	
09 39 00 00-0018	LF		1/2" Height, Aluminum Transition Trim For Tile (Schluter® RENO-TK).....	4.09	
09 39 00 00-0019	LF		5/16" Height, Aluminum Transition Trim For Tile (Schluter® RENO-U).....	3.27	
09 39 00 00-0020	LF		3/8" Height, Aluminum Transition Trim For Tile (Schluter® RENO-U).....	3.41	
09 39 00 00-0021	LF		1/2" Height, Aluminum Transition Trim For Tile (Schluter® RENO-U).....	4.05	
09 39 00 00-0022			Outside Wall Edge Protection And Transition Profiles For Tile (09 39)		
09 39 00 00-0023	LF		1/4" Height, Aluminum Edge Protection Trim For Tile (Schluter® QUADEC)	3.26	
09 39 00 00-0024	LF		5/16" Height, Aluminum Edge Protection Trim For Tile (Schluter® QUADEC)	3.41	
09 39 00 00-0025	LF		3/8" Height, Aluminum Edge Protection Trim For Tile (Schluter® QUADEC)	3.63	
09 39 00 00-0026	LF		1/2" Height, Aluminum Edge Protection Trim For Tile (Schluter® QUADEC)	3.85	
09 39 00 00-0027	LF		1/4" Height, Aluminum Edge Protection Trim For Tile (Schluter® RONDEC).....	3.56	
09 39 00 00-0028	LF		5/16" Height, Aluminum Edge Protection Trim For Tile (Schluter® RONDEC).....	3.84	
09 39 00 00-0029	LF		3/8" Height, Aluminum Edge Protection Trim For Tile (Schluter® RONDEC).....	4.12	
09 39 00 00-0030	LF		1/2" Height, Aluminum Edge Protection Trim For Tile (Schluter® RONDEC).....	4.61	
09 50 Ceilings (09)			Note: Includes cutting for area around columns, speakers, sprinklers, diffusers, etc.		
09 51 Acoustical Ceilings (09 50)			Note: Excludes suspension system. See CSI section 09 53 00 00-0000 for suspension systems.		
09 51 13 Acoustical Panel Ceilings (09 51)			Note: Includes cutting around sprinkler heads, speakers, or other penetrations through the ceiling.		
09 51 13 00-0001			Fiberglass Panels (09 51 13)		
09 51 13 00-0002			Fiberglass Acoustical Panels (09 51 13 00-0001)		
09 51 13 00-0003	SF		2' x 2' x 5/8" Fiberglass Acoustical Ceiling Panel.....	1.81	0.45
			<i>For Recessed Edge, Add</i>	0.35	
			<i>For Fire Rated Panels, Add</i>	0.56	
			<i>For Up To 50, Add</i>	0.68	
			<i>For >50 To 200, Add</i>	0.39	
			<i>For >200 To 500, Add</i>	0.14	
			<i>For >2,500 To 4,000, Deduct</i>	-0.04	
			<i>For >4,000 To 5,000, Deduct</i>	-0.07	
			<i>For >5,000, Deduct</i>	-0.13	
			<i>For Individual Room Quantities <495, Add</i>	0.19	
			<i>Note: For use with projects >500 SF</i>		
			<i>For Acid Resistive, Add</i>	2.50	
			<i>For Black Ceiling Tiles, Add</i>	0.43	
			<i>For Ceilings >10' High, Add</i>	0.08	
09 51 13 00-0004	SF		2' x 4' x 5/8" Fiberglass Acoustical Ceiling Panel.....	1.79	0.45
			<i>For Recessed Edge, Add</i>	0.35	
			<i>For Fire Rated Panels, Add</i>	0.55	
			<i>For Up To 50, Add</i>	0.67	
			<i>For >50 To 200, Add</i>	0.38	
			<i>For >200 To 500, Add</i>	0.14	
			<i>For >2,500 To 4,000, Deduct</i>	-0.04	
			<i>For >4,000 To 5,000, Deduct</i>	-0.07	
			<i>For >5,000, Deduct</i>	-0.13	
			<i>For Individual Room Quantities <495, Add</i>	0.19	
			<i>Note: For use with projects >500 SF</i>		
			<i>For Acid Resistive, Add</i>	2.50	
			<i>For Black Ceiling Tiles, Add</i>	0.43	
			<i>For Ceilings >10' High, Add</i>	0.08	



Finishes	09	09
Ceilings	09 50	
Acoustical Ceilings	09 51	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 51 13 00-0005 SF 2' x 2' x 3/4" Fiberglass Acoustical Ceiling Panel.....	3.41	0.45
For Recessed Edge, Add	0.35	
For Fire Rated Panels, Add	0.56	
For Up To 50, Add	0.92	
For >50 To 200, Add	0.55	
For >200 To 500, Add	0.22	
For >2,500 To 4,000, Deduct	-0.07	
For >4,000 To 5,000, Deduct	-0.12	
For >5,000, Deduct	-0.20	
For Individual Room Quantities <495, Add	0.27	
Note: For use with projects >500 SF		
For Acid Resistive, Add	2.50	
For Black Ceiling Tiles, Add	1.31	
For Ceilings >10' High, Add	0.08	
09 51 13 00-0006 SF 2' x 4' x 3/4" Fiberglass Acoustical Ceiling Panel.....	3.41	0.45
For Recessed Edge, Add	0.35	
For Fire Rated Panels, Add	0.56	
For Up To 50, Add	0.92	
For >50 To 200, Add	0.55	
For >200 To 500, Add	0.22	
For >2,500 To 4,000, Deduct	-0.07	
For >4,000 To 5,000, Deduct	-0.12	
For >5,000, Deduct	-0.20	
For Individual Room Quantities <495, Add	0.27	
Note: For use with projects >500 SF		
For Acid Resistive, Add	2.50	
For Black Ceiling Tiles, Add	1.31	
For Ceilings >10' High, Add	0.08	
09 51 13 00-0007 SF 2' x 2' x 1" Fiberglass Acoustical Ceiling Panel.....	3.61	0.54
For Recessed Edge, Add	0.35	
For Fire Rated Panels, Add	0.56	
For Up To 50, Add	0.95	
For >50 To 200, Add	0.57	
For >200 To 500, Add	0.23	
For >2,500 To 4,000, Deduct	-0.08	
For >4,000 To 5,000, Deduct	-0.13	
For >5,000, Deduct	-0.21	
For Individual Room Quantities <495, Add	0.28	
Note: For use with projects >500 SF		
For Acid Resistive, Add	2.50	
For Ceilings >10' High, Add	0.08	
09 51 13 00-0008 SF 2' x 4' x 1" Fiberglass Acoustical Ceiling Panel.....	3.61	0.54
For Recessed Edge, Add	0.35	
For Fire Rated Panels, Add	0.56	
For Up To 50, Add	0.95	
For >50 To 200, Add	0.57	
For >200 To 500, Add	0.23	
For >2,500 To 4,000, Deduct	-0.08	
For >4,000 To 5,000, Deduct	-0.13	
For >5,000, Deduct	-0.21	
For Individual Room Quantities <495, Add	0.28	
Note: For use with projects >500 SF		
For Acid Resistive, Add	2.50	
For Ceilings >10' High, Add	0.08	
09 51 13 00-0009 Glass Cloth Faced Fiberglass Panels (09 51 13 00-0001)		
09 51 13 00-0010 SF 3/4" Thick Glass Cloth Faced Fiberglass Acoustical Ceiling Panels.....	3.47	0.54
For Fire Rated Panels, Add	0.61	
For Up To 50, Add	1.04	
For >50 To 200, Add	0.61	
For >200 To 500, Add	0.24	
For >2,500 To 4,000, Deduct	-0.08	
For >4,000 To 5,000, Deduct	-0.13	
For >5,000, Deduct	-0.22	
For Individual Room Quantities <495, Add	0.30	
Note: For use with projects >500 SF		
For Acid Resistive, Add	2.50	
For Ceilings >10' High, Add	0.10	
09 51 13 00-0011 SF 1" Thick Glass Cloth Faced Fiberglass Acoustical Ceiling Panels.....	3.74	0.54
For Fire Rated Panels, Add	0.61	
For Up To 50, Add	1.08	
For >50 To 200, Add	0.63	
For >200 To 500, Add	0.25	
For >2,500 To 4,000, Deduct	-0.08	
For >4,000 To 5,000, Deduct	-0.14	
For >5,000, Deduct	-0.23	
For Individual Room Quantities <495, Add	0.32	
Note: For use with projects >500 SF		
For Acid Resistive, Add	2.50	
For Ceilings >10' High, Add	0.10	

09 Finishes**09 50 Ceilings****09 51 Acoustical Ceilings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 51 13 00-0012	SF		1-1/2" Thick Glass Cloth Faced Fiberglass Acoustical Ceiling Panels.....	5.21	0.90
			<i>For Fire Rated Panels, Add</i>	0.69	
			<i>For Up To 50, Add</i>	1.46	
			<i>For >50 To 200, Add</i>	0.86	
			<i>For >200 To 500, Add</i>	0.35	
			<i>For >2,500 To 4,000, Deduct</i>	-0.11	
			<i>For >4,000 To 5,000, Deduct</i>	-0.19	
			<i>For >5,000, Deduct</i>	-0.31	
			<i>For Individual Room Quantities <495, Add</i>	0.43	
			<i>Note: For use with projects >500 SF</i>		
			<i>For Acid Resistive, Add</i>	2.50	
			<i>For Ceilings >10' High, Add</i>	0.13	
09 51 13 00-0013	SF		2" Thick Glass Cloth Faced Fiberglass Acoustical Ceiling Panels.....	6.52	0.90
			<i>For Fire Rated Panels, Add</i>	0.69	
			<i>For Up To 50, Add</i>	1.65	
			<i>For >50 To 200, Add</i>	0.99	
			<i>For >200 To 500, Add</i>	0.41	
			<i>For >2,500 To 4,000, Deduct</i>	-0.14	
			<i>For >4,000 To 5,000, Deduct</i>	-0.23	
			<i>For >5,000, Deduct</i>	-0.36	
			<i>For Individual Room Quantities <495, Add</i>	0.50	
			<i>Note: For use with projects >500 SF</i>		
			<i>For Acid Resistive, Add</i>	2.50	
			<i>For Ceilings >10' High, Add</i>	0.13	
09 51 13 00-0014			Mineral Fiber Panels <small>(09 51 13)</small>		
09 51 13 00-0015			Mineral Fiber Acoustical Ceiling Panels <small>(09 51 13 00-0014)</small>		
09 51 13 00-0016	SF		1' x 2' x 3/4" Mineral Fiber Acoustical Ceiling Panels.....	2.13	0.54
			<i>For Vinyl Faced Panels, Add</i>	1.15	
			<i>For Fire Rated Panels, Add</i>	0.58	
			<i>For Moisture Resistant Panels, Add</i>	1.15	
			<i>For Up To 50, Add</i>	0.77	
			<i>For >50 To 200, Add</i>	0.44	
			<i>For >200 To 500, Add</i>	0.16	
			<i>For >2,500 To 4,000, Deduct</i>	-0.05	
			<i>For >4,000 To 5,000, Deduct</i>	-0.09	
			<i>For >5,000, Deduct</i>	-0.15	
			<i>For Individual Room Quantities <495, Add</i>	0.22	
			<i>Note: For use with projects >500 SF</i>		
			<i>For Acid Resistive, Add</i>	2.50	
			<i>For Rough Texture, Add</i>	0.13	
			<i>For Integrated Wood Trim, Add</i>	7.75	
			<i>For Vertical Application, Add</i>	0.51	
			<i>For Single Angled Tegular Edge (Reveal), Add</i>	0.56	
			<i>For Ceilings >10' High, Add</i>	0.08	
09 51 13 00-0017	SF		2' x 2' x 5/8" Mineral Fiber Acoustical Ceiling Panels.....	1.55	0.54
			<i>For Vinyl Faced Panels, Add</i>	1.11	
			<i>For Fire Rated Panels, Add</i>	0.56	
			<i>For Vinyl-Coated Aluminum Foil Surfaced, Add</i>	1.40	
			<i>For Moisture Resistant Panels, Add</i>	1.11	
			<i>For Up To 50, Add</i>	0.64	
			<i>For >50 To 200, Add</i>	0.36	
			<i>For >200 To 500, Add</i>	0.13	
			<i>For >2,500 To 4,000, Deduct</i>	-0.04	
			<i>For >4,000 To 5,000, Deduct</i>	-0.07	
			<i>For >5,000, Deduct</i>	-0.12	
			<i>For Individual Room Quantities <495, Add</i>	0.18	
			<i>Note: For use with projects >500 SF</i>		
			<i>For Acid Resistive, Add</i>	2.50	
			<i>For Rough Texture, Add</i>	0.07	
			<i>For Integrated Wood Trim, Add</i>	7.68	
			<i>For Vertical Application, Add</i>	0.46	
			<i>For Single Angled Tegular Edge (Reveal), Add</i>	0.34	
			<i>For Black Ceiling Tiles, Add</i>	0.29	
			<i>For Ceilings >10' High, Add</i>	0.08	



Finishes	09	09
Ceilings	09 50	
Acoustical Ceilings	09 51	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 51 13 00-0018 SF 2' x 2' x 3/4" Mineral Fiber Acoustical Ceiling Panels.....	2.18	0.54
For Premium Grade (Eclipse Or Cirrus, With Minimum .70 NRC) Ceiling Tile, Add	0.29	
For Vinyl Faced Panels, Add	1.11	
For Fire Rated Panels, Add	0.56	
For Moisture Resistant Panels, Add	1.11	
For Up To 50, Add	0.74	
For >50 To 200, Add	0.42	
For >200 To 500, Add	0.16	
For >2,500 To 4,000, Deduct	-0.05	
For >4,000 To 5,000, Deduct	-0.09	
For >5,000, Deduct	-0.15	
For Individual Room Quantities <495, Add	0.21	
Note: For use with projects >500 SF		
For Integrated Wood Trim, Add	7.93	
For Acid Resistive, Add	2.50	
For Rough Texture, Add	0.14	
For Vertical Application, Add	0.46	
For Single Angled Tegular Edge (Reveal), Add	0.62	
For Scored Acoustical Tile, Add	0.25	
For Black Ceiling Tiles, Add	0.63	
For Ceilings >10' High, Add	0.08	
09 51 13 00-0019 SF 2' x 4' x 5/8" Mineral Fiber Acoustical Ceiling Panels.....	1.53	0.54
For Vinyl Faced Panels, Add	1.10	
For Fire Rated Panels, Add	0.55	
For Vinyl-Coated Aluminum Foil Surfaced, Add	1.40	
For Moisture Resistant Panels, Add	1.10	
For Up To 50, Add	0.63	
For >50 To 200, Add	0.36	
For >200 To 500, Add	0.13	
For >2,500 To 4,000, Deduct	-0.04	
For >4,000 To 5,000, Deduct	-0.07	
For >5,000, Deduct	-0.12	
For Individual Room Quantities <495, Add	0.18	
Note: For use with projects >500 SF		
For Integrated Wood Trim, Add	9.17	
For Acid Resistive, Add	2.50	
For Rough Texture, Add	0.07	
For Vertical Application, Add	0.45	
For Single Angled Tegular Edge (Reveal), Add	0.34	
For Black Ceiling Tiles, Add	0.29	
For Ceilings >10' High, Add	0.08	
09 51 13 00-0020 SF 2' x 4' x 3/4" Mineral Fiber Acoustical Ceiling Panels.....	2.16	0.54
For Premium Grade (Eclipse Or Cirrus, With Minimum .70 NRC) Ceiling Tile, Add	0.29	
For Vinyl Faced Panels, Add	1.10	
For Fire Rated Panels, Add	0.55	
For Moisture Resistant Panels, Add	1.10	
For Up To 50, Add	0.73	
For >50 To 200, Add	0.42	
For >200 To 500, Add	0.16	
For >2,500 To 4,000, Deduct	-0.05	
For >4,000 To 5,000, Deduct	-0.09	
For >5,000, Deduct	-0.15	
For Individual Room Quantities <495, Add	0.21	
Note: For use with projects >500 SF		
For Integrated Wood Trim, Add	9.42	
For Acid Resistive, Add	2.50	
For Rough Texture, Add	0.14	
For Vertical Application, Add	0.45	
For Single Angled Tegular Edge (Reveal), Add	0.62	
For Scored Acoustical Tile, Add	0.25	
For Black Ceiling Tiles, Add	0.63	
For Ceilings >10' High, Add	0.08	
09 51 13 00-0021 SF 2' x 5' x 5/8" Mineral Fiber Acoustical Ceiling Panels.....	1.51	0.54
For Vinyl Faced Panels, Add	1.10	
For Fire Rated Panels, Add	0.55	
For Moisture Resistant Panels, Add	1.10	
For Up To 50, Add	0.62	
For >50 To 200, Add	0.35	
For >200 To 500, Add	0.13	
For >2,500 To 4,000, Deduct	-0.04	
For >4,000 To 5,000, Deduct	-0.07	
For >5,000, Deduct	-0.12	
For Individual Room Quantities <495, Add	0.17	
Note: For use with projects >500 SF		
For Integrated Wood Trim, Add	9.40	
For Acid Resistive, Add	2.50	
For Rough Texture, Add	0.07	
For Vertical Application, Add	0.45	
For Single Angled Tegular Edge (Reveal), Add	0.33	
For Ceilings >10' High, Add	0.07	

09 51 13 00-0022 Wood Fiber Panels (09 51 13)

09 Finishes

09 50 Ceilings

09 51 Acoustical Ceilings



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 51 13 00-0023	SF		2' x 2' x 1/2" Wood Fiber Acoustical Ceiling Panels	2.86	0.72
			For Up To 50, Add	1.08	
			For >50 To 200, Add	0.61	
			For >200 To 500, Add	0.22	
			For >2,500 To 4,000, Deduct	-0.07	
			For >4,000 To 5,000, Deduct	-0.12	
			For >5,000, Deduct	-0.21	
			For Individual Room Quantities <495, Add	0.31	
			Note: For use with projects >500 SF		
			For Flameproofing, Add	0.05	
			For Sculptured, 3 Dimensional, Add	0.10	
			For Ceilings >10' High, Add	0.12	
09 51 13 00-0024	SF		2' x 4' x 1/2" Wood Fiber Acoustical Ceiling Panels	2.69	0.63
			For Up To 50, Add	0.98	
			For >50 To 200, Add	0.56	
			For >200 To 500, Add	0.21	
			For >2,500 To 4,000, Deduct	-0.06	
			For >4,000 To 5,000, Deduct	-0.11	
			For >5,000, Deduct	-0.19	
			For Individual Room Quantities <495, Add	0.28	
			Note: For use with projects >500 SF		
			For Flameproofing, Add	0.05	
			For Sculptured, 3 Dimensional, Add	0.10	
			For Ceilings >10' High, Add	0.11	
09 51 13 00-0025	SF		2' x 2' x 5/8" Wood Fiber Acoustical Ceiling Panels	3.42	0.72
			For Up To 50, Add	1.16	
			For >50 To 200, Add	0.67	
			For >200 To 500, Add	0.25	
			For >2,500 To 4,000, Deduct	-0.08	
			For >4,000 To 5,000, Deduct	-0.14	
			For >5,000, Deduct	-0.23	
			For Individual Room Quantities <495, Add	0.33	
			Note: For use with projects >500 SF		
			For Flameproofing, Add	0.05	
			For Sculptured, 3 Dimensional, Add	0.10	
			For Ceilings >10' High, Add	0.12	
09 51 13 00-0026	SF		2' x 4' x 5/8" Wood Fiber Acoustical Ceiling Panels	3.25	0.63
			For Up To 50, Add	1.07	
			For >50 To 200, Add	0.62	
			For >200 To 500, Add	0.24	
			For >2,500 To 4,000, Deduct	-0.07	
			For >4,000 To 5,000, Deduct	-0.13	
			For >5,000, Deduct	-0.22	
			For Individual Room Quantities <495, Add	0.31	
			Note: For use with projects >500 SF		
			For Flameproofing, Add	0.05	
			For Sculptured, 3 Dimensional, Add	0.10	
			For Ceilings >10' High, Add	0.11	
09 51 13 00-0027	SF		2' x 2' x 3/4" Wood Fiber Acoustical Ceiling Panels	3.96	0.72
			For Up To 50, Add	1.24	
			For >50 To 200, Add	0.72	
			For >200 To 500, Add	0.28	
			For >2,500 To 4,000, Deduct	-0.09	
			For >4,000 To 5,000, Deduct	-0.15	
			For >5,000, Deduct	-0.26	
			For Individual Room Quantities <495, Add	0.36	
			Note: For use with projects >500 SF		
			For Flameproofing, Add	0.05	
			For Sculptured, 3 Dimensional, Add	0.10	
			For Ceilings >10' High, Add	0.12	
09 51 13 00-0028	SF		2' x 4' x 3/4" Wood Fiber Acoustical Ceiling Panels	3.79	0.63
			For Up To 50, Add	1.15	
			For >50 To 200, Add	0.67	
			For >200 To 500, Add	0.26	
			For >2,500 To 4,000, Deduct	-0.08	
			For >4,000 To 5,000, Deduct	-0.14	
			For >5,000, Deduct	-0.24	
			For Individual Room Quantities <495, Add	0.33	
			Note: For use with projects >500 SF		
			For Flameproofing, Add	0.05	
			For Sculptured, 3 Dimensional, Add	0.10	
			For Ceilings >10' High, Add	0.11	
09 51 13 00-0029	SF		2' x 2' x 1" Wood Fiber Acoustical Ceiling Panels	3.19	0.72
			For Up To 50, Add	1.13	
			For >50 To 200, Add	0.64	
			For >200 To 500, Add	0.24	
			For >2,500 To 4,000, Deduct	-0.07	
			For >4,000 To 5,000, Deduct	-0.13	
			For >5,000, Deduct	-0.22	
			For Individual Room Quantities <495, Add	0.32	
			Note: For use with projects >500 SF		
			For Flameproofing, Add	0.05	
			For Sculptured, 3 Dimensional, Add	0.10	
			For Ceilings >10' High, Add	0.12	



Finishes	09	09
Ceilings	09 50	
Acoustical Ceilings	09 51	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 51 13 00-0030	SF		2' x 4' x 1" Wood Fiber Acoustical Ceiling Panels.....	3.02	0.63
			<i>For Up To 50, Add</i>	1.03	
			<i>For >50 To 200, Add</i>	0.59	
			<i>For >200 To 500, Add</i>	0.22	
			<i>For >2,500 To 4,000, Deduct</i>	-0.07	
			<i>For >4,000 To 5,000, Deduct</i>	-0.12	
			<i>For >5,000, Deduct</i>	-0.21	
			<i>For Individual Room Quantities <495, Add</i>	0.30	
			<i>Note: For use with projects >500 SF</i>		
			<i>For Flameproofing, Add</i>	0.05	
			<i>For Sculptured, 3 Dimensional, Add</i>	0.10	
			<i>For Ceilings >10' High, Add</i>	0.11	
09 51 13 00-0031			Removal And Reinstallation Of Acoustical Ceiling Panels (09 51 13)		
			<i>Note: 2'x2' Or 2'x4'. Includes storage and cleaning.</i>		
09 51 13 00-0032	SF		Removal And Reinstallation Of Acoustical Ceiling Tile And Grid, 2' x 2' Or 2' x 4'.....	1.33	
			<i>For Ceilings >10' High, Add</i>	0.10	
09 51 13 00-0033	SF		Removal And Reinstallation Of Acoustical Panels Only	0.86	
			<i>For Ceilings >10' High, Add</i>	0.06	
09 51 13 00-0034	SF		Removal And Reinstallation Of Grid System Only	0.80	
			<i>For Ceilings >10' High, Add</i>	0.06	
09 51 23			Acoustical Tile Ceilings (09 51)		
			<i>Note: Includes fastening with staples and/or adhesive.</i>		
09 51 23 00-0001			Mineral Fiber Acoustical Tile Ceilings (09 51 23)		
09 51 23 00-0002	SF		12" x 12" x 1/2" Tongue And Groove Mineral Fiber Acoustical Ceiling Tile	3.87	1.00
			<i>For Furring 1 x 3 Strips 12" On Center, Add</i>	0.50	
			<i>For Up To 50, Add</i>	1.48	
			<i>For >50 To 200, Add</i>	0.84	
			<i>For >200 To 500, Add</i>	0.31	
			<i>For >2,500, Deduct</i>	-0.19	
			<i>For Ceilings >10' High, Add</i>	0.17	
09 51 23 00-0003	SF		12" x 12" x 5/8" Spline Mineral Fiber Acoustical Ceiling Tile.....	4.48	1.00
			<i>For Furring 1 x 3 Strips 12" On Center, Add</i>	0.50	
			<i>For Up To 50, Add</i>	1.58	
			<i>For >50 To 200, Add</i>	0.90	
			<i>For >200 To 500, Add</i>	0.34	
			<i>For >2,500, Deduct</i>	-0.22	
			<i>For Placing Tiles In Suspended Ceiling System, Deduct</i>	-0.26	
			<i>For Ceilings >10' High, Add</i>	0.17	
09 51 23 00-0004	SF		12" x 12" x 3/4" Spline Mineral Fiber Acoustical Ceiling Tile.....	4.96	1.00
			<i>For Furring 1 x 3 Strips 12" On Center, Add</i>	0.50	
			<i>For Up To 50, Add</i>	1.65	
			<i>For >50 To 200, Add</i>	0.95	
			<i>For >200 To 500, Add</i>	0.36	
			<i>For >2,500, Deduct</i>	-0.25	
			<i>For Placing Tiles In Suspended Ceiling System, Deduct</i>	-0.26	
			<i>For Ceilings >10' High, Add</i>	0.17	
09 51 23 00-0005			Wood Fiber Acoustical Tile Ceilings (09 51 23)		
09 51 23 00-0006	SF		12" x 12" x 1/2" Staple Flange Wood Fiber Acoustical Ceiling Tile	3.62	1.00
			<i>For Furring 1 x 3 Strips 12" On Center, Add</i>	0.50	
			<i>For Up To 50, Add</i>	1.45	
			<i>For >50 To 200, Add</i>	0.81	
			<i>For >200 To 500, Add</i>	0.29	
			<i>For >2,500, Deduct</i>	-0.18	
			<i>For Ceilings >10' High, Add</i>	0.17	
09 51 33			Acoustical Metal Pan Ceilings (09 51)		
09 51 33 13			Acoustical Snap-in Metal Pan Ceilings (09 51 33)		
09 51 33 13-0001			Metal Pan Units, 24 GA Steel (09 51 33 13)		
			<i>Note: Excludes pads.</i>		
09 51 33 13-0002	SF		12" x 12" - 24 Gauge, Acoustical Metal Pan Units	15.03	1.18
			<i>For Up To 50, Add</i>	3.29	
			<i>For >50 To 200, Add</i>	2.02	
			<i>For >200 To 500, Add</i>	0.88	
			<i>For >2,500, Deduct</i>	-0.75	
			<i>For Ceilings >10' High, Add</i>	0.19	
09 51 33 13-0003	SF		12" x 24" - 24 Gauge, Acoustical Metal Pan Units	15.92	1.18
			<i>For Up To 50, Add</i>	3.42	
			<i>For >50 To 200, Add</i>	2.11	
			<i>For >200 To 500, Add</i>	0.93	
			<i>For >2,500, Deduct</i>	-0.80	
			<i>For Ceilings >10' High, Add</i>	0.19	

09 Finishes**09 50 Ceilings****09 51 Acoustical Ceilings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 51 33 13-0004	SF		12" x 12" - 0.025" Thick, Acoustical Aluminum Pan	9.64	1.18
			<i>For Up To 50, Add</i>	2.48	
			<i>For >50 To 200, Add</i>	1.48	
			<i>For >200 To 500, Add</i>	0.61	
			<i>For >2,500, Deduct</i>	-0.48	
			<i>For Ceilings >10' High, Add</i>	0.19	
09 51 33 13-0005	SF		12" x 24" - 0.025" Thick, Acoustical Aluminum Pan	10.37	1.18
			<i>For Up To 50, Add</i>	2.59	
			<i>For >50 To 200, Add</i>	1.55	
			<i>For >200 To 500, Add</i>	0.65	
			<i>For >2,500, Deduct</i>	-0.52	
			<i>For Ceilings >10' High, Add</i>	0.19	
09 51 33 13-0006	SF		12" x 12" - 0.025" Thick, Acoustical Anodized Aluminum Pan Units	13.91	1.18
			<i>For Up To 50, Add</i>	3.12	
			<i>For >50 To 200, Add</i>	1.91	
			<i>For >200 To 500, Add</i>	0.82	
			<i>For >2,500, Deduct</i>	-0.70	
			<i>For Ceilings >10' High, Add</i>	0.19	
09 51 33 13-0007	SF		12" x 24" - 0.025" Thick, Acoustical Anodized Aluminum Pan Units	10.19	1.18
			<i>For Up To 50, Add</i>	2.56	
			<i>For >50 To 200, Add</i>	1.54	
			<i>For >200 To 500, Add</i>	0.64	
			<i>For >2,500, Deduct</i>	-0.51	
			<i>For Ceilings >10' High, Add</i>	0.19	
09 51 33 13-0008	SF		12" x 12" - 24 Gauge, Stainless Steel Acoustical Pan Units	34.74	1.18
			<i>For Up To 50, Add</i>	6.24	
			<i>For >50 To 200, Add</i>	3.99	
			<i>For >200 To 500, Add</i>	1.87	
			<i>For >2,500, Deduct</i>	-1.74	
			<i>For Ceilings >10' High, Add</i>	0.19	
09 51 33 13-0009	SF		12" x 24" - 24 Gauge, Stainless Steel Acoustical Pan Units	19.72	1.18
			<i>For Up To 50, Add</i>	3.99	
			<i>For >50 To 200, Add</i>	2.49	
			<i>For >200 To 500, Add</i>	1.12	
			<i>For >2,500, Deduct</i>	-0.99	
			<i>For Ceilings >10' High, Add</i>	0.19	
09 51 33 13-0010			Galvanized Steel, Acoustical Snap-In Metal Ceiling Panels <small>(09 51 33 13)</small>		
09 51 33 13-0011	SF		24" x 24", Unperforated, Tamper-Resistant, 18 Gauge, Galvanized Steel, Acoustical Lay-In Metal Ceiling Panel (Armstrong MetalWorks™ SecureLock™)	12.18	0.79
09 51 33 13-0012	SF		24" x 24", Perforated, Tamper-Resistant, 18 Gauge, Galvanized Steel, Acoustical Lay-In Metal Ceiling Panel (Armstrong MetalWorks™ SecureLock™)	13.00	0.79
09 51 33 13-0013			Aluminum, Acoustical Snap-In Metal Ceiling Panels <small>(09 51 33 13)</small>		
09 51 33 13-0014	SF		24" x 24", Unperforated, 0.040" Thick, Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	9.27	0.90
09 51 33 13-0015	SF		24" x 24", Unperforated, 0.040" Thick, Metallic Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	15.36	0.90
09 51 33 13-0016	SF		24" x 24", Unperforated, 0.040" Thick, Wood Tone Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	29.57	0.90
09 51 33 13-0017	SF		24" x 24", Unperforated, 0.040" Thick, Anodized Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	13.67	0.90
09 51 33 13-0018	SF		24" x 24", Perforated, 0.040" Thick, Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	9.76	0.90
09 51 33 13-0019	SF		24" x 24", Perforated, 0.040" Thick, Metallic Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	14.98	0.90
09 51 33 13-0020	SF		24" x 24", Perforated, 0.040" Thick, Wood Tone Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	29.35	0.90
09 51 33 13-0021	SF		24" x 24", Perforated, 0.040" Thick, Anodized Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	13.57	0.90
09 51 33 13-0022	SF		30" x 30", Unperforated, 0.040" Thick, Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	12.42	0.90
09 51 33 13-0023	SF		30" x 30", Unperforated, 0.040" Thick, Metallic Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	16.18	0.90
09 51 33 13-0024	SF		30" x 30", Unperforated, 0.040" Thick, Wood Tone Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	32.56	0.90
09 51 33 13-0025	SF		30" x 30", Unperforated, 0.040" Thick, Anodized Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	16.01	0.90
09 51 33 13-0026	SF		30" x 30", Perforated, 0.040" Thick, Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	13.13	0.90
09 51 33 13-0027	SF		30" x 30", Perforated, 0.040" Thick, Metallic Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	16.56	0.90
09 51 33 13-0028	SF		30" x 30", Perforated, 0.040" Thick, Wood Tone Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	33.65	0.90
09 51 33 13-0029	SF		30" x 30", Perforated, 0.040" Thick, Anodized Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	16.39	0.90
09 51 33 13-0030	SF		12" x 48", Unperforated, 0.040" Thick, Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	11.28	0.90
09 51 33 13-0031	SF		12" x 48", Unperforated, 0.040" Thick, Metallic Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	18.14	0.90
09 51 33 13-0032	SF		12" x 48", Unperforated, 0.040" Thick, Wood Tone Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	31.85	0.90



	Finishes	09
	Ceilings	09 50
	Acoustical Ceilings	09 51

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 51 33 13-0033	SF		12" x 48", Unperforated, 0.040" Thick, Anodized Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™).....	15.63	0.90
09 51 33 13-0034	SF		12" x 48", Perforated, 0.040" Thick, Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™).....	12.10	0.90
09 51 33 13-0035	SF		12" x 48", Perforated, 0.040" Thick, Metallic Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™).....	18.35	0.90
09 51 33 13-0036	SF		12" x 48", Perforated, 0.040" Thick, Wood Tone Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™).....	32.99	0.90
09 51 33 13-0037	SF		12" x 48", Perforated, 0.040" Thick, Anodized Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™).....	16.12	0.90
09 51 33 13-0038	SF		24" x 48", Unperforated, 0.040" Thick, Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™).....	9.04	0.90
09 51 33 13-0039	SF		24" x 48", Unperforated, 0.040" Thick, Metallic Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™).....	13.61	0.90
09 51 33 13-0040	SF		24" x 48", Unperforated, 0.040" Thick, Wood Tone Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™).....	27.76	0.90
09 51 33 13-0041	SF		24" x 48", Unperforated, 0.040" Thick, Anodized Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™).....	12.96	0.90
09 51 33 13-0042	SF		24" x 48", Perforated, 0.040" Thick, Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™).....	9.58	0.90
09 51 33 13-0043	SF		24" x 48", Perforated, 0.040" Thick, Metallic Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™).....	13.50	0.90
09 51 33 13-0044	SF		24" x 48", Perforated, 0.040" Thick, Wood Tone Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™).....	27.81	0.90
09 51 33 13-0045	SF		24" x 48", Perforated, 0.040" Thick, Anodized Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™).....	12.96	0.90

09 51 33 23 Acoustical Lay-in Metal Pan Ceilings (09 51 33)

09 51 33 23-0001 Acoustical Lay-in Metal Pan Ceilings (09 51 33 23)

09 51 33 23-0002 Aluminum, Acoustical Lay-in Metal Ceiling Panels (09 51 33 23-0001)

09 51 33 23-0003	SF		24" x 24", Unperforated, Painted Aluminum, Acoustical Lay-In Metal Ceiling Panel (USG Panz™).....	9.52	0.67
09 51 33 23-0004	SF		24" x 24", Unperforated, Metallic Aluminum, Acoustical Lay-In Metal Ceiling Panel (USG Panz™).....	10.75	0.67
09 51 33 23-0005	SF		24" x 24", Unperforated, Wood Tone Aluminum, Acoustical Lay-In Metal Ceiling Panel (USG Panz™).....	15.65	0.67
09 51 33 23-0006	SF		24" x 24", Perforated, Painted Aluminum, Acoustical Lay-In Metal Ceiling Panel (USG Panz™).....	13.33	0.67
09 51 33 23-0007	SF		24" x 24", Perforated, Metallic Aluminum, Acoustical Lay-In Metal Ceiling Panel (USG Panz™).....	14.29	0.67
09 51 33 23-0008	SF		24" x 24", Perforated, Wood Tone Aluminum, Acoustical Lay-In Metal Ceiling Panel (USG Panz™).....	22.31	0.67
09 51 33 23-0009	SF		30" x 30", Unperforated, Painted Aluminum, Acoustical Lay-In Metal Ceiling Panel (USG Panz™).....	14.07	0.67
09 51 33 23-0010	SF		30" x 30", Perforated, Painted Aluminum, Acoustical Lay-In Metal Ceiling Panel (USG Panz™).....	17.38	0.67
09 51 33 23-0011	SF		48" x 48", Unperforated, Painted Aluminum, Acoustical Lay-In Metal Ceiling Panel (USG Panz™).....	14.15	0.67
09 51 33 23-0012	SF		48" x 48", Perforated, Painted Aluminum, Acoustical Lay-In Metal Ceiling Panel (USG Panz™).....	17.48	0.67
09 51 33 23-0013	SF		12" x 48", Unperforated, Painted Aluminum, Acoustical Lay-In Metal Ceiling Panel (USG Panz™).....	14.22	0.67
09 51 33 23-0014	SF		12" x 48", Perforated, Painted Aluminum, Acoustical Lay-In Metal Ceiling Panel (USG Panz™).....	17.41	0.67
09 51 33 23-0015	SF		24" x 48", Unperforated, Painted Aluminum, Acoustical Lay-In Metal Ceiling Panel (USG Panz™).....	14.22	0.67
09 51 33 23-0016	SF		24" x 48", Perforated, Painted Aluminum, Acoustical Lay-In Metal Ceiling Panel (USG Panz™).....	17.55	0.67

09 51 33 23-0017 Steel, Acoustical Lay-in Metal Ceiling Panels (09 51 33 23-0001)

09 51 33 23-0018	SF		24" x 24", Unperforated, 0.021" Thick, Painted Steel, Acoustical Lay-In Metal Ceiling Panel (Armstrong MetalWorks™ Vector®).....	12.20	0.67
09 51 33 23-0019	SF		24" x 24", Unperforated, 0.021" Thick, Metallic Painted Steel, Acoustical Lay-In Metal Ceiling Panel (Armstrong MetalWorks™ Vector®).....	14.49	0.67
09 51 33 23-0020	SF		24" x 24", Unperforated, 0.021" Thick, Wood Tone Painted Steel, Acoustical Lay-In Metal Ceiling Panel (Armstrong MetalWorks™ Vector®).....	15.52	0.67
09 51 33 23-0021	SF		24" x 24", Perforated, 0.021" Thick, Painted Steel, Acoustical Lay-In Metal Ceiling Panel (Armstrong MetalWorks™ Vector®).....	14.60	0.67
09 51 33 23-0022	SF		24" x 24", Perforated, 0.021" Thick, Metallic Painted Steel, Acoustical Lay-In Metal Ceiling Panel (Armstrong MetalWorks™ Vector®).....	14.98	0.67
09 51 33 23-0023	SF		24" x 24", Perforated, 0.021" Thick, Wood Tone Painted Steel, Acoustical Lay-In Metal Ceiling Panel (Armstrong MetalWorks™ Vector®).....	15.85	0.67

09 51 33 33 Acoustical Tegular Lay-in Metal Pan Ceilings (09 51 33)

09 51 33 33-0001 Acoustical Tegular Lay-in Metal Pan Ceilings (09 51 33 33)

09 51 33 33-0002 Steel, Acoustical Tegular Lay-in Metal Pan Ceilings (09 51 33 33-0001)

09 51 33 33-0003	SF		24" x 24", Unperforated, 0.021" Thick, Painted Steel, Acoustical Tegular Lay-In Metal Ceiling Panel (Armstrong MetalWorks™).....	8.99	0.67
09 51 33 33-0004	SF		24" x 24", Unperforated, 0.021" Thick, Metallic Painted Steel, Acoustical Tegular Lay-In Metal Ceiling Panel (Armstrong MetalWorks™).....	10.08	0.67
09 51 33 33-0005	SF		24" x 24", Unperforated, 0.021" Thick, Wood Tone Painted Steel, Acoustical Tegular Lay-In Metal Ceiling Panel (Armstrong MetalWorks™).....	14.11	0.67
09 51 33 33-0006	SF		24" x 24", Perforated, 0.021" Thick, Painted Steel, Acoustical Tegular Lay-In Metal Ceiling Panel (Armstrong MetalWorks™).....	10.19	0.67
09 51 33 33-0007	SF		24" x 24", Perforated, 0.021" Thick, Metallic Painted Steel, Acoustical Tegular Lay-In Metal Ceiling Panel (Armstrong MetalWorks™).....	11.49	0.67
09 51 33 33-0008	SF		24" x 24", Perforated, 0.021" Thick, Wood Tone Painted Steel, Acoustical Tegular Lay-In Metal Ceiling Panel (Armstrong MetalWorks™).....	15.36	0.67

09	09 Finishes
	09 50 Ceilings
	09 53 Acoustical Ceiling Suspension Assemblies



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

09 53 Acoustical Ceiling Suspension Assemblies (09 50)

09 53 23 Metal Acoustical Ceiling Suspension Assemblies (09 53)

09 53 23 00-0001 Ceiling Suspension Systems (09 53 23)

Note: Hot-dipped galvanized steel. Includes single 8 gauge wire hangers (between 3' To 4') attached from structural steel, wood or metal deck, wood members or concrete deck above to main members 4' on center. Includes all main tees, cross tees, wall angle, wall anchors, connector clips, hold down clips, double faced tape (where required). All above shall be mechanically installed by minimum 2-1/4" x 3/8" wedge anchors. Excludes chain supports for lights.

09 53 23 00-0002	SF 12" x 12" Ceiling Tile Size, Concealed 15/16" T Bar Ceiling Suspension System	3.98	0.45
	Note: Excludes ceiling tile.		
	For Vertical Application, Add	2.42	
	For Individual Room Quantities <495, Add	0.48	
	Note: For use with projects >500 SF		
	For Compression Struts With Splay Wires, Add	0.45	
	For Up To 50, Add	1.70	
	For >50 To 200, Add	0.95	
	For >200 To 500, Add	0.34	
	For >2,500 To 4,000, Deduct	-0.09	
	For >4,000 To 5,000, Deduct	-0.17	
	For >5,000, Deduct	-0.26	
	For Ceilings >10' High, Add	0.21	
09 53 23 00-0003	SF 1' x 2' Grid, 15/16" T Bar Ceiling Suspension System	3.28	0.45
	For UL Listed (Fire Guard), Add	0.13	
	For 1-1/2" Wide Faced Grid, Add	0.25	
	For Vertical Application, Add	2.09	
	For Chemical Corrosion Resistant, Polyvinyl Chloride (PVC) Coated, Add	2.50	
	For 9/16" Narrow Faced Grid, Add	0.22	
	For Individual Room Quantities <495, Add	0.40	
	Note: For use with projects >500 SF		
	For Aluminum T-Bar System, Add	0.40	
	For Compression Struts With Splay Wires, Add	0.36	
	For Up To 50, Add	1.45	
	For >50 To 200, Add	0.81	
	For >200 To 500, Add	0.28	
	For >2,500 To 4,000, Deduct	-0.08	
	For >4,000 To 5,000, Deduct	-0.15	
	For >5,000, Deduct	-0.21	
	For Ceilings >10' High, Add	0.18	
09 53 23 00-0004	SF 2' x 2' Grid, 15/16" T Bar Ceiling Suspension System	2.70	0.45
	For UL Listed (Fire Guard), Add	0.09	
	For 1-1/2" Wide Faced Grid, Add	0.17	
	For Vertical Application, Add	1.82	
	For Chemical Corrosion Resistant, Polyvinyl Chloride (PVC) Coated, Add	2.50	
	For 9/16" Narrow Faced Grid, Add	0.16	
	For Individual Room Quantities <495, Add	0.34	
	Note: For use with projects >500 SF		
	For Aluminum T-Bar System, Add	0.28	
	For Compression Struts With Splay Wires, Add	0.29	
	For Up To 50, Add	1.24	
	For >50 To 200, Add	0.69	
	For >200 To 500, Add	0.24	
	For >2,500 To 4,000, Deduct	-0.06	
	For >4,000 To 5,000, Deduct	-0.12	
	For >5,000, Deduct	-0.18	
	For Black Grid, Add	0.08	
	For Ceilings >10' High, Add	0.16	
	For Concealed Spline Grid, Add	0.36	
09 53 23 00-0005	SF 2' x 4' Grid, 15/16" T Bar Ceiling Suspension System	2.30	0.45
	For UL Listed (Fire Guard), Add	0.07	
	For 1-1/2" Wide Faced Grid, Add	0.14	
	For Vertical Application, Add	1.81	
	For Chemical Corrosion Resistant, Polyvinyl Chloride (PVC) Coated, Add	2.50	
	For 9/16" Narrow Faced Grid, Add	0.12	
	For Individual Room Quantities <495, Add	0.30	
	Note: For use with projects >500 SF		
	For Aluminum T-Bar System, Add	0.22	
	For Compression Struts With Splay Wires, Add	0.25	
	For Up To 50, Add	1.07	
	For >50 To 200, Add	0.59	
	For >200 To 500, Add	0.21	
	For >2,500 To 4,000, Deduct	-0.06	
	For >4,000 To 5,000, Deduct	-0.11	
	For >5,000, Deduct	-0.16	
	For Black Grid, Add	0.06	
	For Ceilings >10' High, Add	0.14	
	For Concealed Spline Grid, Add	0.30	



Finishes	09	09
Ceilings	09 50	
Acoustical Ceiling Suspension Assemblies	09 53	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 53 23 00-0006 SF 2' x 5' Grid, 15/16" T Bar Ceiling Suspension System	2.20	0.45
For UL Listed (Fire Guard), Add	0.08	
For 1-1/2" Wide Faced Grid, Add	0.15	
For Chemical Corrosion Resistant, Polyvinyl Chloride (PVC) Coated, Add	2.50	
For 9/16" Narrow Faced Grid, Add	0.14	
For Individual Room Quantities <495, Add	0.28	
Note: For use with projects >500 SF		
For Aluminum T-Bar System, Add	0.25	
For Compression Struts With Splay Wires, Add	0.24	
For Up To 50, Add	0.99	
For >50 To 200, Add	0.55	
For >200 To 500, Add	0.19	
For >2,500 To 4,000, Deduct	-0.05	
For >4,000 To 5,000, Deduct	-0.10	
For >5,000, Deduct	-0.15	
For Ceilings >10' High, Add	0.12	
09 53 23 00-0007 SF 2', 15/16" Suspended Ceiling Cross Tee	0.65	0.26
Note: Can be used to convert an existing 2' x 4' suspension system to a 2' x 2' system or to replace an individual component.		
For 1-1/2" Wide Faced Grid, Add	0.04	
For Vertical Application, Add	0.52	
For Chemical Corrosion Resistant, Polyvinyl Chloride (PVC) Coated, Add	2.50	
For 9/16" Narrow Faced Grid, Add	0.03	
For Individual Room Quantities <495, Add	0.08	
Note: For use with projects >500 SF		
For Aluminum T-Bar System, Add	0.06	
For Up To 50, Add	0.31	
For >50 To 200, Add	0.17	
For >200 To 500, Add	0.06	
For >2,500 To 4,000, Deduct	-0.02	
For >4,000 To 5,000, Deduct	-0.03	
For >5,000, Deduct	-0.04	
For Ceilings >10' High, Add	0.04	
09 53 23 00-0008 Ceiling Suspension System Accessories (09 53 23)		
09 53 23 00-0009 LF For Pencil Rod Support With Accessories And Attachments (Seismic Control Or Where Required).....	0.95	
09 53 23 00-0010 LF 1" x 1/8" Flat Bar Bracing For Suspended Ceiling	2.29	1.27
For 304 Stainless Steel, Add	1.11	
For 316 Stainless Steel, Add	1.25	
For Aluminum, Add	0.07	
For Galvanized Steel, Add	0.24	
09 53 23 00-0011 LF 1" x 3/16" Flat Bar Bracing For Suspended Ceiling	3.23	1.36
For Galvanized Steel, Add	0.37	
For 304 Stainless Steel, Add	1.71	
For 316 Stainless Steel, Add	1.92	
For Aluminum, Add	0.11	
For Galvanized Steel, Add	0.37	
09 53 23 00-0012 LF 1-1/2" x 1/4" Flat Bar Bracing For Suspended Ceiling	4.18	1.45
For Galvanized Steel, Add	0.74	
For 304 Stainless Steel, Add	3.39	
For 316 Stainless Steel, Add	3.81	
For Aluminum, Add	0.21	
For Galvanized Steel, Add	0.74	
09 54 Specialty Ceilings (09 50)		
09 54 23 Linear Metal Ceilings (09 54)		
09 54 23 00-0001 Linear Ceiling Systems (09 54 23)		
09 54 23 00-0002 0.032" Aluminum, Linear Ceiling Systems (09 54 23 00-0001)		
Note: For flat ceilings. Includes round or box style panels with KYNAR 500® or HYLAR 5000® PVDF finish. Includes ceiling suspension system and flush or recessed filler strips.		
09 54 23 00-0003 SF 4" Panel Width, 0.032" Aluminum, Linear Ceiling System	12.61	1.98
For Up To 50, Add	3.79	
For >50 To 200, Add	2.21	
For >200 To 500, Add	0.87	
For >2,500, Deduct	-0.63	
For Ceilings >10' High, Add	0.36	
For Linear Ceiling Systems Without Filler Strips, Deduct	-1.95	
For Curved Ceilings, Add	1.17	
09 54 23 00-0004 SF 8" Panel Width, 0.032" Aluminum, Linear Ceiling System	10.49	1.98
For Up To 50, Add	3.43	
For >50 To 200, Add	1.98	
For >200 To 500, Add	0.76	
For >2,500, Deduct	-0.52	
For Ceilings >10' High, Add	0.35	
For Linear Ceiling Systems Without Filler Strips, Deduct	-0.96	
For Curved Ceilings, Add	1.15	

09	09 Finishes
	09 50 Ceilings
	09 54 Specialty Ceilings



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 54 23 00-0005	SF		12" Panel Width, 0.032" Aluminum, Linear Ceiling System.....	9.65	1.98
			<i>For Up To 50, Add</i>	3.27	
			<i>For >50 To 200, Add</i>	1.88	
			<i>For >200 To 500, Add</i>	0.71	
			<i>For >2,500, Deduct</i>	-0.48	
			<i>For Ceilings >10' High, Add</i>	0.34	
			<i>For Linear Ceiling Systems Without Filler Strips, Deduct</i>	-0.65	
			<i>For Curved Ceilings, Add</i>	1.13	
09 54 23 00-0006			Tin Ceilings (09 54 23)		
09 54 23 00-0007	SF		2' x 2' Tin Ceiling Embossed Panels.....	12.47	3.07
			<i>For Up To 50, Add</i>	3.35	
			<i>For >50 To 200, Add</i>	1.99	
			<i>For >200 To 500, Add</i>	0.81	
			<i>For >2,500, Deduct</i>	-0.62	
			<i>For Ceilings >10' High, Add</i>	0.28	
09 54 23 00-0008	SF		12" x 12" Tin Ceiling Embossed Plates.....	17.89	1.98
			<i>For Up To 50, Add</i>	4.24	
			<i>For >50 To 200, Add</i>	2.57	
			<i>For >200 To 500, Add</i>	1.09	
			<i>For >2,500, Deduct</i>	-0.89	
			<i>For Ceilings >10' High, Add</i>	0.29	
09 54 23 00-0009	SF		12" x 24" Tin Ceiling Embossed Plates.....	13.44	1.98
			<i>For Up To 50, Add</i>	3.58	
			<i>For >50 To 200, Add</i>	2.12	
			<i>For >200 To 500, Add</i>	0.87	
			<i>For >2,500, Deduct</i>	-0.67	
			<i>For Ceilings >10' High, Add</i>	0.29	
09 54 23 00-0010	SF		24" x 24" Tin Ceiling Embossed Plates.....	12.35	1.98
			<i>For Up To 50, Add</i>	3.29	
			<i>For >50 To 200, Add</i>	1.96	
			<i>For >200 To 500, Add</i>	0.80	
			<i>For >2,500, Deduct</i>	-0.62	
			<i>For Ceilings >10' High, Add</i>	0.27	
09 54 23 00-0011	SF		24" x 48" Tin Ceiling Embossed Plates.....	10.77	1.49
			<i>For Up To 50, Add</i>	2.87	
			<i>For >50 To 200, Add</i>	1.71	
			<i>For >200 To 500, Add</i>	0.70	
			<i>For >2,500, Deduct</i>	-0.54	
			<i>For Ceilings >10' High, Add</i>	0.24	
09 54 23 00-0012	LF		3" Or 4" Wide Embossed Molding.....	9.65	2.97
09 54 23 00-0013	LF		6" Wide Embossed Molding.....	11.78	3.46
09 54 23 00-0014	LF		12" Wide Embossed Molding.....	15.61	4.05
09 54 23 00-0015	EA		3", 4" Or 6" Wide Embossed Cross, Tee Or Ell.....	28.52	9.40
09 54 23 00-0016	EA		12" Wide Embossed Cross, Tee Or Ell.....	38.31	10.99
09 57 Special Function Ceilings (09 50)					
09 57 00 00-0001 High Impact Ceiling Systems (09 57)					
09 57 00 00-0002	SF		Polyvinyl Chloride Face High Impact Ceiling Panels.....	4.48	0.90
			<i>For Ceilings >10' High, Add</i>	0.11	
09 57 00 00-0003	SF		High Impact Clips.....	1.92	0.72
			<i>For Ceilings >10' High, Add</i>	0.08	
09 60 Flooring (09)					
09 61 Flooring Treatment (09 60)					
09 61 13 Slip-Resistant Flooring Treatment (09 61)					
09 61 13 00-0001 Anti-Slip Tape (09 61 13)					
			Note: Grit sandpaper surface with adhesive back.		
09 61 13 00-0002	LF		1" Anti-Slip Tape.....	2.20	1.81
09 61 13 00-0003	LF		2" Anti-Slip Tape.....	2.67	1.99
09 61 13 00-0004	LF		3" Anti-Slip Tape.....	3.16	2.19
09 61 13 00-0005	LF		4" Anti-Slip Tape.....	3.61	2.40
09 61 13 00-0006	LF		6" Anti-Slip Tape.....	4.47	2.64
09 61 13 00-0007	LF		12" Anti-Slip Tape.....	7.61	3.97
09 61 13 00-0008	LF		24" Anti-Slip Tape.....	10.87	5.95
09 63 Masonry Flooring (09 60)					
09 63 13 Brick Flooring (09 63)					
09 63 13 00-0001 Clay Bricks (09 63 13)					
09 63 13 00-0002	SF		2-1/4" Thick Clay Brick Floor.....	19.70	7.82
			<i>For Basket Weave Pattern, Add</i>	1.67	
			<i>For Herringbone Pattern, Add</i>	2.23	
			<i>For Epoxy Joints, Add</i>	4.51	



Finishes	09	09
Flooring	09 60	
Masonry Flooring	09 63	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 63	13 00-0003	SF	3" Thick Clay Brick Floor..... <i>For Basket Weave Pattern, Add</i> <i>For Herringbone Pattern, Add</i> <i>For Epoxy Joints, Add</i>	21.82 1.67 2.23 4.51	7.82
09 63	13 00-0004	SF	1/2" Thick Unglazed Clay Brick Floor..... <i>For Basket Weave Pattern, Add</i> <i>For Herringbone Pattern, Add</i> <i>For Epoxy Joints, Add</i>	13.72 1.67 2.23 4.51	7.82
09 63	13 00-0005	SF	1/2" Thick Glazed Clay Brick Floor <i>For Basket Weave Pattern, Add</i> <i>For Herringbone Pattern, Add</i> <i>For Epoxy Joints, Add</i>	15.65 1.67 2.23 4.51	7.82
09 63	13 00-0006	SF	3/4" Thick Unglazed Clay Brick Floor..... <i>For Basket Weave Pattern, Add</i> <i>For Herringbone Pattern, Add</i> <i>For Epoxy Joints, Add</i>	14.59 1.67 2.23 4.51	7.82
09 63	13 00-0007	SF	3/4" Thick Glazed Clay Brick Floor <i>For Basket Weave Pattern, Add</i> <i>For Herringbone Pattern, Add</i> <i>For Epoxy Joints, Add</i>	17.14 1.67 2.23 4.51	7.82
09 63	13 00-0008	SF	15/16" Thick Unglazed Clay Brick Floor..... <i>For Basket Weave Pattern, Add</i> <i>For Herringbone Pattern, Add</i> <i>For Epoxy Joints, Add</i>	15.42 1.67 2.23 4.51	7.82
09 63	13 00-0009	SF	15/16" Thick Glazed Clay Brick Floor <i>For Basket Weave Pattern, Add</i> <i>For Herringbone Pattern, Add</i> <i>For Epoxy Joints, Add</i>	18.65 1.67 2.23 4.51	7.82

09 63 43 Composition Stone Flooring (09 63)

09 63 43 00-0001	Cupric Oxchloride Cement, Seamless Flooring System (09 63 43)				
Note: Chemical and slip resistant. OSHA and USDA approved.					
09 63 43 00-0002	SF	3/8" Thick, Cupric Oxchloride Cement, Seamless Flooring System, Trowel Applied	11.78		4.40

09 64 Wood Flooring (09 60)

09 64 13 Wood Flooring Underlayment (09 64)

09 64 13 00-0001	SF	Wood Flooring Underlayment (09 64 13)			
09 64 13 00-0002	SF	Regular Weight Red Rosin Paper, Wood Flooring Underlayment	0.39		
09 64 13 00-0003	SF	Heavy Weight Red Rosin Paper, Wood Flooring Underlayment	0.39		
09 64 13 00-0004	SF	30 LB, Waxed Paper, Wood Flooring Underlayment	0.40		
09 64 13 00-0005	SF	15 LB, Asphalt Saturated Organic Felt, Wood Flooring Underlayment	0.42		
09 64 13 00-0006	SF	6 Mil Thick, Polyethylene Film, Wood Flooring Underlayment	0.41		
09 64 13 00-0007	SF	8 Mil Thick, Polyethylene Film, Wood Flooring Underlayment	0.43		
09 64 13 00-0008	SF	1/8" Thick, Natural Cork, Wood Flooring Underlayment	1.40		
09 64 13 00-0009	SF	1/4" Thick, Natural Cork, Wood Flooring Underlayment	1.46		
09 64 13 00-0010	SF	3/32" Thick, Polyethylene Foam, Wood Flooring Underlayment (Roberts® Unison™ 70-025-15)	0.58		
09 64 13 00-0011	SF	2.0mm Thick, Progressive Foam Technology, Wood Flooring Underlayment (Roberts® Quiet Cushion 70-180)	0.69		
09 64 13 00-0012	SF	4.0mm Thick, Compressed Fiber, Wood Flooring Underlayment (Roberts® Super Felt 70-193)	0.73		
09 64 13 00-0013	SF	2.5mm Thick, Closed Cell Foam, Wood Flooring Underlayment (Roberts® Black Jack™ 70-026)	0.86		
09 64 13 00-0014	SF	1/8" Thick, Moisture Barrier, Sound Reduction And Cushioning, Wood Flooring Underlayment (Roberts® AirGuard™ 70-105)	0.87		

09 64 23 Wood Parquet Flooring (09 64)

Note: All wood parquet flooring is prefinished at factory.

09 64 23 00-0001	SF	Hardwood Parquet Flooring (09 64 23)			
09 64 23 00-0002	SF	Oak Parquet Flooring 5/16" Thick	10.29		0.90
			<i>For Up To 20, Add</i>	4.09	
			<i>For >20 To 50, Add</i>	2.16	
			<i>For >50 To 100, Add</i>	1.08	
			<i>For >100 To 300, Add</i>	0.54	

09 64 29 Wood Strip And Plank Flooring (09 64)

Note: All wood strip flooring is unfinished, tongue and groove.

09 64 29 00-0001	SF	Unfinished Fir, Wood Strip Flooring (09 64 29)			
09 64 29 00-0002	SF	3-1/8" Plank Width, 3/4" Thick, Plain Sawn, Clear Vertical Grain (C Or Better) Unfinished Fir, Wood Strip Flooring	8.93		0.90
			<i>For Factory Finish, Add</i>	0.49	
			<i>For Random Width Floor, Add</i>	2.03	
			<i>For Up To 20, Add</i>	3.17	
			<i>For >20 To 50, Add</i>	1.71	
			<i>For >50 To 100, Add</i>	0.85	
			<i>For >100 To 300, Add</i>	0.43	

09 64 29 00-0003 Unfinished Oak, Wood Strip Flooring (09 64 29)

09 64 29 00-0004 Unfinished White Oak, Wood Strip Flooring (09 64 29 00-0003)

09 Finishes

09 60 Flooring

09 64 Wood Flooring



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 64 29 00-0005	SF		2-1/4" Plank Width, 3/4" Thick, Plain Sawn, #2 Common Unfinished White Oak, Wood Strip Flooring.....	7.86	0.90
			<i>For Factory Finish, Add</i>	0.25	
			<i>For Random Width Floor, Add</i>	1.70	
			<i>For Up To 20, Add</i>	3.57	
			<i>For >20 To 50, Add</i>	1.85	
			<i>For >50 To 100, Add</i>	0.93	
			<i>For >100 To 300, Add</i>	0.46	
09 64 29 00-0006	SF		2-1/4" Plank Width, 3/4" Thick, Plain Sawn, #1 Common Unfinished White Oak, Wood Strip Flooring.....	8.19	0.90
			<i>For Factory Finish, Add</i>	0.29	
			<i>For Random Width Floor, Add</i>	1.78	
			<i>For Up To 20, Add</i>	3.62	
			<i>For >20 To 50, Add</i>	1.88	
			<i>For >50 To 100, Add</i>	0.94	
			<i>For >100 To 300, Add</i>	0.47	
09 64 29 00-0007	SF		2-1/4" Plank Width, 3/4" Thick, Plain Sawn, Select Unfinished White Oak, Wood Strip Flooring.....	8.68	0.90
			<i>For Factory Finish, Add</i>	0.34	
			<i>For Random Width Floor, Add</i>	1.90	
			<i>For Up To 20, Add</i>	3.70	
			<i>For >20 To 50, Add</i>	1.93	
			<i>For >50 To 100, Add</i>	0.97	
			<i>For >100 To 300, Add</i>	0.48	
09 64 29 00-0008	SF		3-1/4" Plank Width, 3/4" Thick, Plain Sawn, #2 Common Unfinished White Oak, Wood Strip Flooring.....	6.72	0.90
			<i>For Factory Finish, Add</i>	0.27	
			<i>For Random Width Floor, Add</i>	1.48	
			<i>For Up To 20, Add</i>	2.84	
			<i>For >20 To 50, Add</i>	1.49	
			<i>For >50 To 100, Add</i>	0.74	
			<i>For >100 To 300, Add</i>	0.37	
09 64 29 00-0009	SF		3-1/4" Plank Width, 3/4" Thick, Plain Sawn, #1 Common Unfinished White Oak, Wood Strip Flooring.....	6.98	0.90
			<i>For Factory Finish, Add</i>	0.29	
			<i>For Random Width Floor, Add</i>	1.54	
			<i>For Up To 20, Add</i>	2.88	
			<i>For >20 To 50, Add</i>	1.51	
			<i>For >50 To 100, Add</i>	0.76	
			<i>For >100 To 300, Add</i>	0.38	
09 64 29 00-0010	SF		3-1/4" Plank Width, 3/4" Thick, Plain Sawn, Select Unfinished White Oak, Wood Strip Flooring.....	7.49	0.90
			<i>For Factory Finish, Add</i>	0.34	
			<i>For Random Width Floor, Add</i>	1.67	
			<i>For Up To 20, Add</i>	2.96	
			<i>For >20 To 50, Add</i>	1.56	
			<i>For >50 To 100, Add</i>	0.78	
			<i>For >100 To 300, Add</i>	0.39	
09 64 29 00-0011			Unfinished Red Oak, Wood Strip Flooring (09 64 29 00-0003)		
09 64 29 00-0012	SF		2-1/4" Plank Width, 3/4" Thick, Plain Sawn, #2 Common Unfinished Red Oak, Wood Strip Flooring.....	7.91	0.90
			<i>For Factory Finish, Add</i>	0.26	
			<i>For Random Width Floor, Add</i>	1.71	
			<i>For Up To 20, Add</i>	3.58	
			<i>For >20 To 50, Add</i>	1.86	
			<i>For >50 To 100, Add</i>	0.93	
			<i>For >100 To 300, Add</i>	0.46	
09 64 29 00-0013	SF		2-1/4" Plank Width, 3/4" Thick, Plain Sawn, #1 Common Unfinished Red Oak, Wood Strip Flooring.....	8.24	0.90
			<i>For Factory Finish, Add</i>	0.29	
			<i>For Random Width Floor, Add</i>	1.79	
			<i>For Up To 20, Add</i>	3.63	
			<i>For >20 To 50, Add</i>	1.89	
			<i>For >50 To 100, Add</i>	0.94	
			<i>For >100 To 300, Add</i>	0.47	
09 64 29 00-0014	SF		2-1/4" Plank Width, 3/4" Thick, Plain Sawn, Select Unfinished Red Oak, Wood Strip Flooring.....	8.74	0.90
			<i>For Factory Finish, Add</i>	0.34	
			<i>For Random Width Floor, Add</i>	1.92	
			<i>For Up To 20, Add</i>	3.71	
			<i>For >20 To 50, Add</i>	1.94	
			<i>For >50 To 100, Add</i>	0.97	
			<i>For >100 To 300, Add</i>	0.48	
09 64 29 00-0015	SF		3-1/4" Plank Width, 3/4" Thick, Plain Sawn, #2 Common Unfinished Red Oak, Wood Strip Flooring.....	6.77	0.90
			<i>For Factory Finish, Add</i>	0.27	
			<i>For Random Width Floor, Add</i>	1.49	
			<i>For Up To 20, Add</i>	2.85	
			<i>For >20 To 50, Add</i>	1.49	
			<i>For >50 To 100, Add</i>	0.75	
			<i>For >100 To 300, Add</i>	0.37	
09 64 29 00-0016	SF		3-1/4" Plank Width, 3/4" Thick, Plain Sawn, #1 Common Unfinished Red Oak, Wood Strip Flooring.....	7.10	0.90
			<i>For Factory Finish, Add</i>	0.30	
			<i>For Random Width Floor, Add</i>	1.57	
			<i>For Up To 20, Add</i>	2.90	
			<i>For >20 To 50, Add</i>	1.52	
			<i>For >50 To 100, Add</i>	0.76	
			<i>For >100 To 300, Add</i>	0.38	



Finishes	09	09
Flooring	09 60	
Wood Flooring	09 64	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 64 29 00-0017 SF 3-1/4" Plank Width, 3/4" Thick, Plain Sawn, Select Unfinished Red Oak, Wood Strip Flooring	7.55	0.90
For Factory Finish, Add	0.35	
For Random Width Floor, Add	1.68	
For Up To 20, Add	2.96	
For >20 To 50, Add	1.57	
For >50 To 100, Add	0.78	
For >100 To 300, Add	0.39	
09 64 29 00-0018 Unfinished Maple, Wood Strip Flooring (09 64 29)		
09 64 29 00-0019 25/32" Thick, Unfinished Maple, Wood Strip Flooring (09 64 29 00-0018)		
09 64 29 00-0020 SF 2-1/4" Plank Width, 25/32" Thick, Plain Sawn, First Grade (Select Or Better) Unfinished Maple, Wood Strip Flooring	9.13	0.90
For Factory Finish, Add	0.38	
For Random Width Floor, Add	2.02	
For Up To 20, Add	3.76	
For >20 To 50, Add	1.98	
For >50 To 100, Add	0.99	
For >100 To 300, Add	0.49	
09 64 29 00-0021 SF 2-1/4" Plank Width, 25/32" Thick, Plain Sawn, Second Grade (#1 Common) Unfinished Maple, Wood Strip Flooring	8.57	0.90
For Factory Finish, Add	0.33	
For Random Width Floor, Add	1.88	
For Up To 20, Add	3.68	
For >20 To 50, Add	1.92	
For >50 To 100, Add	0.96	
For >100 To 300, Add	0.48	
09 64 29 00-0022 SF 3" Plank Width, 25/32" Thick, Plain Sawn, First Grade (Select Or Better) Unfinished Maple, Wood Strip Flooring	8.10	0.90
For Factory Finish, Add	0.40	
For Random Width Floor, Add	1.82	
For Up To 20, Add	3.05	
For >20 To 50, Add	1.62	
For >50 To 100, Add	0.81	
For >100 To 300, Add	0.41	
09 64 29 00-0023 SF 3" Plank Width, 25/32" Thick, Plain Sawn, Second Grade (#1 Common) Unfinished Maple, Wood Strip Flooring	7.55	0.90
For Factory Finish, Add	0.35	
For Random Width Floor, Add	1.68	
For Up To 20, Add	2.96	
For >20 To 50, Add	1.57	
For >50 To 100, Add	0.78	
For >100 To 300, Add	0.39	
09 64 29 00-0024 33/32" Thick, Unfinished Maple, Wood Strip Flooring (09 64 29 00-0018)		
09 64 29 00-0025 SF 2-1/4" Plank Width, 33/32" Thick, Plain Sawn, First Grade (Select Or Better) Unfinished Maple, Wood Strip Flooring	10.32	0.90
For Factory Finish, Add	0.50	
For Random Width Floor, Add	2.31	
For Up To 20, Add	3.94	
For >20 To 50, Add	2.10	
For >50 To 100, Add	1.05	
For >100 To 300, Add	0.52	
09 64 29 00-0026 SF 2-1/4" Plank Width, 33/32" Thick, Plain Sawn, Second Grade (#1 Common) Unfinished Maple, Wood Strip Flooring	9.58	0.90
For Factory Finish, Add	0.43	
For Random Width Floor, Add	2.13	
For Up To 20, Add	3.83	
For >20 To 50, Add	2.02	
For >50 To 100, Add	1.01	
For >100 To 300, Add	0.51	
09 64 29 00-0027 SF 3" Plank Width, 33/32" Thick, Plain Sawn, First Grade (Select Or Better) Unfinished Maple, Wood Strip Flooring	9.36	0.90
For Factory Finish, Add	0.53	
For Random Width Floor, Add	2.14	
For Up To 20, Add	3.24	
For >20 To 50, Add	1.75	
For >50 To 100, Add	0.88	
For >100 To 300, Add	0.44	
09 64 29 00-0028 SF 3" Plank Width, 33/32" Thick, Plain Sawn, Second Grade (#1 Common) Unfinished Maple, Wood Strip Flooring	8.63	0.90
For Factory Finish, Add	0.46	
For Random Width Floor, Add	1.95	
For Up To 20, Add	3.13	
For >20 To 50, Add	1.68	
For >50 To 100, Add	0.84	
For >100 To 300, Add	0.42	
09 64 29 00-0029 Prefinished Engineered Wood Flooring (09 64 29)		
Note: Glued or nailed. Excludes underlayment. See CSI section 09 64 13 00-0001 for wood flooring underlayment.		
09 64 29 00-0030 SF 1/2" Thick, Red Oak, Prefinished Engineered Wood Flooring	9.90	0.90
For Up To 20, Add	3.08	
For >20 To 50, Add	1.70	
For >50 To 100, Add	0.85	
For >100 To 300, Add	0.43	

09 Finishes**09 60 Flooring****09 64 Wood Flooring**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 64 29 00-0031	SF		1/2" Thick, White Oak, Prefinished Engineered Wood Flooring.....	9.90	0.90
			<i>For Up To 20, Add</i>	3.08	
			<i>For >20 To 50, Add</i>	1.70	
			<i>For >50 To 100, Add</i>	0.85	
			<i>For >100 To 300, Add</i>	0.43	
09 64 29 00-0032	SF		1/2" Thick, Select Maple, Prefinished Engineered Wood Flooring.....	9.62	0.90
			<i>For Up To 20, Add</i>	3.04	
			<i>For >20 To 50, Add</i>	1.67	
			<i>For >50 To 100, Add</i>	0.84	
			<i>For >100 To 300, Add</i>	0.42	
09 64 29 00-0033	SF		1/2" Thick, Natural Hickory, Prefinished Engineered Wood Flooring.....	9.83	0.90
			<i>For Up To 20, Add</i>	3.07	
			<i>For >20 To 50, Add</i>	1.69	
			<i>For >50 To 100, Add</i>	0.85	
			<i>For >100 To 300, Add</i>	0.42	
09 64 66			Wood Athletic Flooring (09 64)		
			Note: On shims, sleepers and/or screeds. 1-1/2" or 2-1/4" widths. Excludes finish.		
09 64 66 00-0001			Wood Gym/Stage/Dance Floors (09 64 66)		
			Note: Includes sanding and vent cove base. Excludes concrete repairs to subbase, thresholds, and finishing.		
09 64 66 00-0002	SF		25/32" Maple Wood Gym/Stage/Dance Floor.....	11.21	4.51
			<i>For Oak Or Birch, Deduct</i>	-0.20	
			<i>For Pine, Deduct</i>	-0.30	
			<i>For #1 Grade Material, Add</i>	0.50	
09 64 66 00-0003	SF		Floating 25/32" Maple Wood Gym/Stage/Dance Floor System, Two Layers Of Plywood Panel Subfloor With Resilient Pads (Connor DuraCushion).....	14.82	5.87
			Note: Includes 6 mil polyethylene vapor barrier, two layers of 15/32" plywood subfloor and 3/8" resilient pads.		
			<i>For Oak Or Birch, Deduct</i>	-0.20	
			<i>For Pine, Deduct</i>	-0.30	
			<i>For #1 Grade Material, Add</i>	0.50	
09 64 66 00-0004	SF		Floating 25/32" Maple Wood Gym/Stage/Dance Floor System, Two Layers Of Plywood Panel Subfloor With Two Stage Resilient Pads (Connor NeoShok).....	15.52	5.87
			Note: Includes 6 mil polyethylene vapor barrier, two layers of 15/32" plywood subfloor and 3/4" hemispherical two stage polyurethane resilient pads.		
			<i>For Oak Or Birch, Deduct</i>	-0.20	
			<i>For Pine, Deduct</i>	-0.30	
			<i>For #1 Grade Material, Add</i>	0.50	
09 64 66 00-0005	SF		Floating 25/32" Maple Wood Gym/Stage/Dance Floor System, One Layer Of Plywood Subfloor With Continuous Steel Channel Encased Sleepers And Resilient Pads (Connor PermaFlex).....	16.92	5.87
			Note: Includes 6 mil polyethylene vapor barrier, one layer of 15/32" plywood subfloor, a continuous steel channel encasing a 23/32" fixed sleeper, a 7/16" resilient pad and a 23/32" flex sleeper.		
			<i>For Oak Or Birch, Deduct</i>	-0.20	
			<i>For Pine, Deduct</i>	-0.30	
			<i>For #1 Grade Material, Add</i>	0.50	
09 64 66 00-0006	SF		Fixed Resilient 25/32" Maple Wood Gym/Stage/Dance Floor System, One Layer Of Plywood Panel Subfloor With Resilient Pads (Connor Focus).....	16.26	5.87
			Note: Includes 6 mil polyethylene vapor barrier, one layer of 3/4" subfloor, 9/16" resilient pads and concrete anchors and clips.		
			<i>For Oak Or Birch, Deduct</i>	-0.20	
			<i>For Pine, Deduct</i>	-0.30	
			<i>For #1 Grade Material, Add</i>	0.50	
09 64 66 00-0007	SF		Clip And Channel, Fixed 33/32" Maple Wood Gym/Stage/Dance Floor System (Connor PermaLock).....	18.72	5.87
			Note: Includes 6 mil polyethylene vapor barrier, one layer of 1/2" impregnated fiberboard with channel grooves for 16 gauge steel anchor channel.		
			<i>For Oak Or Birch, Deduct</i>	-0.20	
			<i>For Pine, Deduct</i>	-0.30	
			<i>For #1 Grade Material, Add</i>	0.50	
09 65			Resilient Flooring (09 60)		
			See CSI section 03 54 16 00-0001 for self leveling underlayment for uneven floors.		
09 65 13			Resilient Base And Accessories (09 65)		
09 65 13 13			Resilient Base (09 65 13)		
09 65 13 13-0001			Vinyl Plastic Wall Base (09 65 13 13)		
			Note: Includes inside and outside premolded corners.		
09 65 13 13-0002	LF		4" High, 1/8" Vinyl Plastic Base, All Colors.....	3.05	1.13
09 65 13 13-0003	LF		6" High, 1/8" Vinyl Plastic Base, All Colors.....	4.04	1.37
09 65 13 13-0004			1/8" Thick Rubber Wall Base (09 65 13 13)		
09 65 13 13-0005	LF		4" High, 1/8" Rubber Base, Group 1 Black, Russet And Umber.....	3.46	1.37
09 65 13 13-0006	LF		6" High, 1/8" Rubber Base, Group 1 Black, Russet And Umber.....	3.65	1.37
09 65 13 13-0007	LF		4" High, 1/8" Rubber Base, Group 2 All (Except White).....	3.53	1.37
09 65 13 13-0008	LF		6" High, 1/8" Rubber Base, Group 2 All (Except White).....	3.79	1.37
09 65 13 13-0009	LF		4" High, 1/8" Rubber Base, Group 3 White Only.....	3.41	1.37
09 65 13 13-0010	LF		6" High, 1/8" Rubber Base, Group 3 Only.....	3.67	1.37
09 65 13 13-0011	EA		4" High, 1/8" Rubber Corner.....	4.01	1.37
09 65 13 13-0012	EA		6" High, 1/8" Rubber Corner.....	4.30	1.37



Finishes	09	09
Flooring	09 60	
Resilient Flooring	09 65	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 65 13 23 Resilient Stair Treads And Risers (09 65 13)		
Note: All treads have integral nosing. Abrasive strip modifiers include either 1 or 2 strips running the length of the tread. All colors.		
09 65 13 23-0001 Rubber Stair Treads and Risers (09 65 13 23)		
09 65 13 23-0002 Raised Disc Or Other Patterned Rubber Stair Tread (09 65 13 23-0001)		
09 65 13 23-0003 LF 3/16" Thick, 9" To 12-1/2" Deep, Rubber Stair Tread.....	14.55	1.82
Note: Raised disc or other pattern.		
For Abrasive Strip, Add		
	2.75	
For Photo Luminescent Abrasive Strip, Add		
	3.75	
09 65 13 23-0004 LF 1/4" Thick, 9" To 12-1/2" Deep, Rubber Stair Tread.....	15.64	1.95
Note: Raised disc or other pattern.		
For Abrasive Strip, Add		
	2.75	
For Photo Luminescent Abrasive Strip, Add		
	3.75	
09 65 13 23-0005 LF 5/16" Thick, 9" To 12-1/2" Deep, Rubber Stair Tread.....	18.99	2.09
Note: Raised disc or other pattern.		
For Abrasive Strip, Add		
	2.75	
For Photo Luminescent Abrasive Strip, Add		
	3.75	
09 65 13 23-0006 Smooth Surface Rubber Stair Tread (09 65 13 23-0001)		
09 65 13 23-0007 LF 3/16" Thick, 9" To 12-1/2" Deep, Rubber Stair Tread.....	13.71	1.82
Note: Smooth surface.		
For Abrasive Strip, Add		
	2.75	
For Photo Luminescent Abrasive Strip, Add		
	3.75	
09 65 13 23-0008 LF 1/4" Thick, 9" To 12-1/2" Deep, Rubber Stair Tread.....	14.68	1.95
Note: Smooth surface.		
For Abrasive Strip, Add		
	2.75	
For Photo Luminescent Abrasive Strip, Add		
	3.75	
09 65 13 23-0009 LF 5/16" Thick, 9" To 12-1/2" Deep, Rubber Stair Tread.....	17.76	2.10
Note: Smooth surface.		
For Abrasive Strip, Add		
	2.75	
For Photo Luminescent Abrasive Strip, Add		
	3.75	
09 65 13 23-0010 Smooth Surface Rubber Stair Riser (09 65 13 23-0001)		
09 65 13 23-0011 LF 1/8" Thick, Smooth Surface Rubber Stair Riser.....	7.99	1.08
09 65 13 23-0012 Smooth, Raised Disc or Other Patterned Rubber Landing Mats (09 65 13 23-0001)		
09 65 13 23-0013 SF 1/8" Thick, Rubber Landing Mats.....	15.57	1.68
Note: Smooth, raised disc or other patterned surface.		
09 65 13 23-0014 SF 3/16" Thick, Rubber Landing Mats.....	18.41	1.82
Note: Smooth, raised disc or other patterned surface.		
09 65 13 23-0015 SF 7/32" Thick, Rubber Landing Mats.....	19.95	2.04
Note: Smooth, raised disc or other patterned surface.		
09 65 13 23-0016 Vinyl Stair Treads and Risers (09 65 13 23)		
09 65 13 23-0017 Ribbed Vinyl Stair Tread (09 65 13 23-0016)		
09 65 13 23-0018 LF 1/8" Thick, 9" To 12-1/2" Deep, Ribbed Vinyl Stair Tread.....	11.25	1.65
For Abrasive Strip, Add		
	2.75	
09 65 13 23-0019 LF 3/16" Thick, 9" To 12-1/2" Deep, Ribbed Vinyl Stair Tread.....	12.40	1.82
For Abrasive Strip, Add		
	2.75	
09 65 13 23-0020 LF 1/4" Thick, 9" To 12-1/2" Deep, Ribbed Vinyl Stair Tread.....	14.67	1.96
For Abrasive Strip, Add		
	2.75	
09 65 13 23-0021 Smooth Surface Vinyl Stair Riser (09 65 13 23-0016)		
09 65 13 23-0022 LF 1/8" Thick, 7" High, Smooth Surface Vinyl Stair Riser.....	6.40	1.08
09 65 13 33 Resilient Accessories (09 65 13)		
09 65 13 33-0001 Flexible Self Leveling Cementitious Underlayments (09 65 13 33)		
09 65 13 33-0002 SF 1/8" Thick, Flexible Self Leveling Cementitious Underlayment With Liquid Latex Modifiers.....	1.43	0.90
09 65 13 33-0003 SF 1/4" Thick, Flexible Self Leveling Cementitious Underlayment With Liquid Latex Modifiers.....	2.11	0.90
09 65 13 33-0004 Concrete Floor Prep (09 65 13 33)		
09 65 13 33-0005 SF Removal Of Glue From Concrete Floor.....	1.13	
Note: For removal of glue from VCT or carpet placement. Not to be used in conjunction with demolition tasks associated with floor tile installation.		
09 65 13 36 Resilient Carpet Transitions (09 65 13)		
09 65 13 36-0001 Vinyl Transition Strip (09 65 13 36)		
09 65 13 36-0002 LF Vinyl Transition Strip, Brown Or Black.....	1.73	0.81
09 65 13 36-0003 LF Vinyl Floor Tile Reducer Strip, Brown Or Black.....	1.60	0.81
09 65 13 36-0004 LF Vinyl Floor Tile Feature Strip, Brown Or Black.....	1.45	0.81

09	09 09 Finishes
	09 60 Flooring
	09 65 Resilient Flooring



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 65 13 36-0005 Vinyl, Wheeled Traffic Transitions <small>(09 65 13 36)</small>		
09 65 13 36-0006 LF 1/4" To 1/8" Material x 1-3/4", Vinyl, Wheeled Traffic Transition (Johnsonite CTA-XX-A).....	2.81	1.13
For Up To 100, Add	0.23	
For Up To 20, Add	1.15	
For >20 To 40, Add	0.65	
09 65 13 36-0007 LF 1/4" To 1/8" Material x 1", Vinyl, Wheeled Traffic Transition (Johnsonite CTA-XX-C)	2.81	1.13
For Up To 100, Add	0.23	
For Up To 20, Add	1.15	
For >20 To 40, Add	0.65	
09 65 13 36-0008 LF 5/16" To 1/16" Or 1/8" Material x 1-5/8", Vinyl, Wheeled Traffic Transition (Johnsonite CTA-XX-D)	3.25	1.13
For Up To 100, Add	0.25	
For Up To 20, Add	1.22	
For >20 To 40, Add	0.69	
09 65 13 36-0009 LF 1/4" To 1/8" Material x 2-1/2", Vinyl, Wheeled Traffic Transition (Johnsonite CTA-XX-H)	4.81	1.13
For Up To 100, Add	0.33	
For Up To 20, Add	1.45	
For >20 To 40, Add	0.85	
09 65 13 36-0010 LF 1/4" To 1/8" Material x 4", Vinyl, Wheeled Traffic Transition (Johnsonite CTA-XX-HL).....	4.82	1.13
For Up To 100, Add	0.33	
For Up To 20, Add	1.45	
For >20 To 40, Add	0.85	
09 65 13 36-0011 LF 1/4" To 0.08" Or 2 mm Material x 2-1/2", Vinyl, Wheeled Traffic Transition (Johnsonite CTA-XX-HT)	3.48	1.13
For Up To 100, Add	0.27	
For Up To 20, Add	1.25	
For >20 To 40, Add	0.71	
09 65 13 36-0012 LF 1/4" Material To Floor x 2-1/2", Vinyl, Wheeled Traffic Transition (Johnsonite CTA-XX-J)	4.71	1.13
For Up To 100, Add	0.33	
For Up To 20, Add	1.43	
For >20 To 40, Add	0.84	
09 65 13 36-0013 LF 1/4" Material To Floor x 4", Vinyl, Wheeled Traffic Transition (Johnsonite CTA-XX-JL)	4.85	1.13
For Up To 100, Add	0.33	
For Up To 20, Add	1.46	
For >20 To 40, Add	0.85	
09 65 13 36-0014 LF 3/8" To 1/8" Material x 2-1/2", Vinyl, Wheeled Traffic Transition (Johnsonite CTA-XX-K).....	4.22	1.13
For Up To 100, Add	0.30	
For Up To 20, Add	1.36	
For >20 To 40, Add	0.79	
09 65 13 36-0015 LF 3/8" To 1/4" Material x 2-1/2", Vinyl, Wheeled Traffic Transition (Johnsonite CTA-XX-L)	4.53	1.13
For Up To 100, Add	0.32	
For Up To 20, Add	1.41	
For >20 To 40, Add	0.82	
09 65 13 36-0016 LF 1/4" To 1/4" Material x 2-1/2", Vinyl, Wheeled Traffic Transition (Johnsonite CTA-XX-M)	4.85	1.13
For Up To 100, Add	0.33	
For Up To 20, Add	1.46	
For >20 To 40, Add	0.85	
09 65 13 36-0017 LF 1/8" To 1/8" Material x 2-1/2", Vinyl, Wheeled Traffic Transition (Johnsonite CTA-XX-N)	4.16	1.13
For Up To 100, Add	0.30	
For Up To 20, Add	1.35	
For >20 To 40, Add	0.78	
09 65 13 36-0018 LF 3/8" Material To Floor x 2-1/2", Vinyl, Wheeled Traffic Transition (Johnsonite CTA-XX-P).....	3.65	1.13
For Up To 100, Add	0.27	
For Up To 20, Add	1.28	
For >20 To 40, Add	0.73	
09 65 13 36-0019 LF 3/8" Material To Floor x 4", Vinyl, Wheeled Traffic Transition (Johnsonite CTA-XX-PL).....	4.96	1.13
For Up To 100, Add	0.34	
For Up To 20, Add	1.47	
For >20 To 40, Add	0.86	
09 65 13 36-0020 LF 1/2" Material To Floor x 4", Vinyl, Wheeled Traffic Transition (Johnsonite CTA-XX-Q)	6.14	1.13
For Up To 100, Add	0.40	
For Up To 20, Add	1.65	
For >20 To 40, Add	0.98	
09 65 13 36-0021 LF 0.08" To 1/8" Material x 2-1/2", Vinyl, Wheeled Traffic Transition (Johnsonite CTA-XX-X).....	3.57	1.13
For Up To 100, Add	0.27	
For Up To 20, Add	1.26	
For >20 To 40, Add	0.72	
09 65 13 36-0022 LF 0.08" To 0.08" Material x 2-1/2", Vinyl, Wheeled Traffic Transition (Johnsonite CTA-XX-Y).....	3.61	1.13
For Up To 100, Add	0.27	
For Up To 20, Add	1.27	
For >20 To 40, Add	0.73	
09 65 13 36-0023 LF 0.08" To 3/8" Material x 2-1/2", Vinyl, Wheeled Traffic Transition (Johnsonite CTA-XX-Z).....	3.98	1.13
For Up To 100, Add	0.29	
For Up To 20, Add	1.33	
For >20 To 40, Add	0.76	

09 65 16 Resilient Sheet Flooring (09 65)

09 65 16 23 Vinyl Sheet Flooring (09 65 16)

09 65 16 23-0001 Vinyl Sheet Flooring (09 65 16 23)

Note: For flash cove application, add additional square foot of material to form cove base.



Finishes	09	09
Flooring	09 60	
Resilient Flooring	09 65	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 65 16 23-0002	SF		0.080" Overall Thickness, 0.080" Wear Layer, Homogeneous, Commercial Vinyl Sheet Flooring (Armstrong® Medintech®).....	6.24	0.68
			For Up To 40, Add	3.06	
			For >40 To 100, Add	1.53	
			For >1,000, Deduct	-0.49	
09 65 16 23-0003	SF		0.080" Overall Thickness, 0.080" Wear Layer, Homogeneous, Commercial Vinyl Sheet Flooring (Armstrong® Medley™).....	5.20	0.68
			For Up To 40, Add	2.85	
			For >40 To 100, Add	1.42	
			For >1,000, Deduct	-0.38	
09 65 16 23-0004	SF		0.080" Overall Thickness, 0.050" Wear Layer, Inlaid With Polyglass Backing, Commercial Vinyl Sheet Flooring (Armstrong® Connection Corlon®).....	3.59	0.68
			For Up To 40, Add	2.53	
			For >40 To 100, Add	1.26	
			For >1,000, Deduct	-0.22	
09 65 16 23-0005	SF		0.080" Overall Thickness, 0.040" Wear Layer, Inlaid With Polyglass Backing, Commercial Vinyl Sheet Flooring (Armstrong® Possibilities® Petit Point™).....	4.49	0.68
			For Up To 40, Add	2.71	
			For >40 To 100, Add	1.35	
			For >1,000, Deduct	-0.31	
09 65 16 23-0006	SF		0.080" Overall Thickness, 0.060" Wear Layer, Inlaid With Felt Backing, Commercial Vinyl Sheet Flooring (Armstrong® Medintech Tandem®).....	5.82	0.68
			For Up To 40, Add	2.97	
			For >40 To 100, Add	1.49	
			For >1,000, Deduct	-0.44	
09 65 16 23-0007	SF		0.080" Overall Thickness, 0.020" Wear Layer, Slip Retardant Surface, Commercial Vinyl Sheet Flooring (Armstrong® Safeguard®).....	7.83	0.68
			For Up To 40, Add	3.37	
			For >40 To 100, Add	1.69	
			For >1,000, Deduct	-0.64	
09 65 16 23-0008			Heat Welding Vinyl Sheet Flooring Seams (09 65 16 23) Note: For areas requiring seamless installations and superior infection control. Includes routing or hand grooving seams, installing welding rod with heat welding gun, trimming the weld rod flush with the floor surface and applying a protective finish to seam.		
09 65 16 23-0009	LF		Heat Weld Non-Patterned Vinyl Sheet Flooring Seams.....	6.19	
09 65 16 23-0010	LF		Heat Weld Patterned Vinyl Sheet Flooring Seams	6.41	
09 65 16 23-0011			Forming Vinyl Sheet Flooring Inside/Outside Cove Corners (09 65 16 23) Note: Excludes heat welding.		
09 65 16 23-0012	EA		Forming Vinyl Sheet Flooring Inside/Outside Cove Corners.....	15.13	
09 65 16 23-0013			Vinyl Sheet Flooring Accessories (09 65 16 23)		
09 65 16 23-0014	LF		1/2" Radius Vinyl Cove Filler Strip.....	2.86	
09 65 16 23-0015	LF		1-1/4" Radius Vinyl Cove Filler Strip.....	2.67	
09 65 16 23-0016	LF		1-1/2" Radius Vinyl Cove Filler Strip.....	3.78	
09 65 16 23-0017	LF		1/8" Aluminum Cove Cap.....	2.33	
09 65 19			Resilient Tile Flooring (09 65) Note: Includes mastic and cleaning floor after installation is complete. Demolition includes removal of the tile and adhesive and cleaning of the surface for a new floor.		
09 65 19 19			Vinyl Composition Tile Flooring (09 65 19)		
09 65 19 19-0001			Vinyl Composition Tile (VCT) (09 65 19 19) Note: The following vinyl composition tiles are certified to ASTM F 1066 Class 1 solid color tile, Class 2 through pattern tile or Class 3 surface pattern tile as listed in the task description.		
09 65 19 19-0002	SF		1/8" Thick, Class 2 Through Pattern, Vinyl Composition Tile (VCT) (Armstrong® Standard Excelon Imperial Texture®).....	2.73	1.37
			For Up To 100, Add	0.22	
			For >1,000 To 3,000, Deduct	-0.06	
			For >3,000 To 6,000, Deduct	-0.17	
			For >6,000, Deduct	-0.32	
			For 3/32" Thick, Deduct	-0.11	
			For Extra Stock, Material Only, Deduct	-1.60	
			For Up To 20, Add	1.08	
			For >20 To 40, Add	0.61	
09 65 19 19-0003	SF		1/8" Thick, Class 2 Through Pattern, Vinyl Composition Tile (VCT) (Armstrong® Standard Excelon MultiColor™).....	2.73	1.37
			For Up To 100, Add	0.22	
			For >1,000 To 3,000, Deduct	-0.06	
			For >3,000 To 6,000, Deduct	-0.17	
			For >6,000, Deduct	-0.32	
			For Extra Stock, Material Only, Deduct	-1.60	
			For Up To 20, Add	1.08	
			For >20 To 40, Add	0.61	

09 Finishes**09 60 Flooring****09 65 Resilient Flooring**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 65 19 19-0004	SF		1/8" Thick, Class 2 Through Pattern, Vinyl Composition Tile (VCT) (Armstrong® Standard Excelon Rave®).....	2.73	1.37
			<i>For Up To 100, Add</i>	0.22	
			<i>For >1,000 To 3,000, Deduct</i>	-0.06	
			<i>For >3,000 To 6,000, Deduct</i>	-0.17	
			<i>For >6,000, Deduct</i>	-0.32	
			<i>For Extra Stock, Material Only, Deduct</i>	-1.60	
			<i>For Up To 20, Add</i>	1.08	
			<i>For >20 To 40, Add</i>	0.61	
09 65 19 19-0005	SF		1/8" Thick, Class 2 Through Pattern, Vinyl Composition Tile (VCT) (Armstrong® ChromaSpin™).....	3.73	1.37
			<i>For Up To 100, Add</i>	0.27	
			<i>For >1,000 To 3,000, Deduct</i>	-0.08	
			<i>For >3,000 To 6,000, Deduct</i>	-0.21	
			<i>For >6,000, Deduct</i>	-0.38	
			<i>For Extra Stock, Material Only, Deduct</i>	-1.60	
			<i>For Up To 20, Add</i>	1.23	
			<i>For >20 To 40, Add</i>	0.71	
09 65 19 19-0006	SF		1/8" Thick, Class 2 Through Pattern, Vinyl Composition Tile (VCT) (Armstrong® Excelon Companion Square®).....	3.74	1.37
			<i>For Up To 100, Add</i>	0.27	
			<i>For >1,000 To 3,000, Deduct</i>	-0.08	
			<i>For >3,000 To 6,000, Deduct</i>	-0.21	
			<i>For >6,000, Deduct</i>	-0.38	
			<i>For Extra Stock, Material Only, Deduct</i>	-1.60	
			<i>For Up To 20, Add</i>	1.23	
			<i>For >20 To 40, Add</i>	0.71	
09 65 19 19-0007	SF		1/8" Thick, Class 3 Surface Pattern, Vinyl Composition Tile (VCT) (Armstrong® Arteffects®).....	3.93	1.37
			<i>For Up To 100, Add</i>	0.28	
			<i>For >1,000 To 3,000, Deduct</i>	-0.09	
			<i>For >3,000 To 6,000, Deduct</i>	-0.22	
			<i>For >6,000, Deduct</i>	-0.39	
			<i>For Extra Stock, Material Only, Deduct</i>	-1.60	
			<i>For Up To 20, Add</i>	1.26	
			<i>For >20 To 40, Add</i>	0.73	
09 65 19 19-0008	SF		1/8" Thick, Class 2 Through Pattern, Vinyl Composition Tile (VCT) (Armstrong® Excelon Stonetex®).....	3.96	1.37
			<i>For Up To 100, Add</i>	0.28	
			<i>For >1,000 To 3,000, Deduct</i>	-0.09	
			<i>For >3,000 To 6,000, Deduct</i>	-0.22	
			<i>For >6,000, Deduct</i>	-0.39	
			<i>For Extra Stock, Material Only, Deduct</i>	-1.60	
			<i>For Up To 20, Add</i>	1.27	
			<i>For >20 To 40, Add</i>	0.73	
09 65 19 19-0009	SF		1/8" Thick, Class 2 Through Pattern, Vinyl Composition Tile (VCT) (Armstrong® Raffia™).....	4.08	1.37
			<i>For Up To 100, Add</i>	0.29	
			<i>For >1,000 To 3,000, Deduct</i>	-0.09	
			<i>For >3,000 To 6,000, Deduct</i>	-0.22	
			<i>For >6,000, Deduct</i>	-0.40	
			<i>For Extra Stock, Material Only, Deduct</i>	-1.60	
			<i>For Up To 20, Add</i>	1.28	
			<i>For >20 To 40, Add</i>	0.74	
09 65 19 19-0010	SF		1/8" Thick, Slip Retardant, Class 2 Through Pattern, Vinyl Composition Tile (VCT) (Armstrong® Safety Zone™).....	5.18	1.37
			<i>For Up To 100, Add</i>	0.34	
			<i>For >1,000 To 3,000, Deduct</i>	-0.11	
			<i>For >3,000 To 6,000, Deduct</i>	-0.27	
			<i>For >6,000, Deduct</i>	-0.46	
			<i>For Extra Stock, Material Only, Deduct</i>	-1.60	
			<i>For Up To 20, Add</i>	1.45	
			<i>For >20 To 40, Add</i>	0.85	
09 65 19 19-0011	SF		1/8" Thick, Class 1 Solid Color, Vinyl Composition Tile (VCT) (Armstrong® Excelon Feature™).....	5.61	1.37
			<i>For Up To 100, Add</i>	0.36	
			<i>For >1,000 To 3,000, Deduct</i>	-0.12	
			<i>For >3,000 To 6,000, Deduct</i>	-0.28	
			<i>For >6,000, Deduct</i>	-0.49	
			<i>For Extra Stock, Material Only, Deduct</i>	-1.60	
			<i>For Up To 20, Add</i>	1.51	
			<i>For >20 To 40, Add</i>	0.90	
09 65 19 19-0012	SF		1/8" Thick, Static Dissipative, Class 2 Through Pattern, Vinyl Composition Tile (VCT) (Armstrong® SDT™).....	7.29	1.37
			<i>For Up To 100, Add</i>	0.45	
			<i>For >1,000 To 3,000, Deduct</i>	-0.15	
			<i>For >3,000 To 6,000, Deduct</i>	-0.35	
			<i>For >6,000, Deduct</i>	-0.59	
			<i>For Extra Stock, Material Only, Deduct</i>	-1.60	
			<i>For Up To 20, Add</i>	1.77	
			<i>For >20 To 40, Add</i>	1.07	

09 65 19 23 Vinyl Tile Flooring (09 65 19)

09 65 19 23-0001 Vinyl Tile (09 65 19 23)
Note: Any size.

09 65 19 23-0002 Solid Vinyl Tile (SVT) (09 65 19 23-0001)

Note: The following solid vinyl tiles are certified to ASTM F 1700.

09 65 19 23-0003	SF		1/8" Thick, Class 1 Type A, Homogeneous, Solid Vinyl Tile (SVT) (Tarkett® Azrock® Cortina Grande).....	6.40	1.37
			<i>For Up To 100, Add</i>	0.44	
			<i>For >1,000 To 3,000, Deduct</i>	-0.14	
			<i>For >3,000 To 6,000, Deduct</i>	-0.34	
			<i>For >6,000, Deduct</i>	-0.59	



Finishes	09	09
Flooring	09 60	
Resilient Flooring	09 65	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 65 19 23-0004 SF 1/8" Thick, Class 1 Type A, Homogeneous, Solid Vinyl Tile (SVT) (Tarkett® Azrock® Karim Kolors)	6.55	1.37
For Up To 100, Add	0.44	
For >1,000 To 3,000, Deduct	-0.14	
For >3,000 To 6,000, Deduct	-0.34	
For >6,000, Deduct	-0.60	
For Up To 20, Add	1.91	
For >20 To 40, Add	1.12	
09 65 19 23-0005 SF 1/8" Thick, Slip Retardant, Class 1 Type B, Homogeneous, Solid Vinyl Tile (SVT) (Tarkett® Azrock® Cortina Grande SR)	6.65	1.37
For Up To 100, Add	0.45	
For >1,000 To 3,000, Deduct	-0.14	
For >3,000 To 6,000, Deduct	-0.35	
For >6,000, Deduct	-0.61	
09 65 19 23-0006 Luxury Vinyl Tile (LVT) (09 65 19 23-0001)		
09 65 19 23-0007 SF 2.5mm Thick, Luxury Vinyl Tile (LVT) (Mannington Amtico)	8.25	1.37
For Up To 100, Add	0.53	
For >1,000 To 3,000, Deduct	-0.18	
For >3,000 To 6,000, Deduct	-0.41	
For >6,000, Deduct	-0.70	
09 65 19 33 Rubber Tile Flooring (09 65 19)		
09 65 19 33-0001 Rubber Tile (09 65 19 33)		
09 65 19 33-0002 Rubber Tile With Raised Discs, Assorted Colors (09 65 19 33-0001)		
09 65 19 33-0003 SF 1/8" Thick Rubber Tile With Raised Discs	12.31	0.81
Note: Smooth, raised disc or other patterned surface.		
For Up To 100, Add	0.70	
09 65 19 33-0004 SF 3/16" Thick Rubber Tile With Raised Discs	14.84	0.90
Note: Smooth, raised disc or other patterned surface.		
For Up To 100, Add	0.83	
09 65 19 33-0005 SF 7/32" Thick Rubber Tile With Raised Discs	16.55	1.08
Note: Smooth, raised disc or other patterned surface.		
For Up To 100, Add	0.94	
09 65 19 43 Polyester Composition Tile Flooring (09 65 19)		
09 65 19 43-0001 Polyester Composition Floor Tile (09 65 19 43)		
Note: Any size.		
09 65 19 43-0002 SF 1/8" Thick, Polyester Composition Floor Tile (Armstrong® BioBased Tile® Migrations®)	3.80	1.37
For Up To 100, Add	0.27	
For >1,000 To 3,000, Deduct	-0.08	
For >3,000 To 6,000, Deduct	-0.21	
For >6,000, Deduct	-0.38	
For Extra Stock, Material Only, Deduct	-1.60	
For Up To 20, Add	1.24	
For >20 To 40, Add	0.72	
09 65 19 43-0003 SF 1/8" Thick, Polyester Composition Floor Tile (Armstrong® BioBased Tile® Striations®)	4.25	1.37
For Up To 100, Add	0.30	
For >1,000 To 3,000, Deduct	-0.09	
For >3,000 To 6,000, Deduct	-0.23	
For >6,000, Deduct	-0.41	
For Extra Stock, Material Only, Deduct	-1.60	
For Up To 20, Add	1.31	
For >20 To 40, Add	0.76	
09 65 23 Resilient Plank Flooring (09 65)		
09 65 23 00-0001 Vinyl Plank Flooring (09 65 23)		
09 65 23 00-0002 SF 0.110" Overall Thickness, 0.012" Wear Layer, Vinyl Plank Flooring (Armstrong® Luxe Plank™)	4.83	0.68
For Up To 40, Add	2.77	
For >40 To 100, Add	1.39	
For >1,000, Deduct	-0.34	
09 65 23 00-0003 SF 0.135" Overall Thickness, 0.020" Wear Layer, Vinyl Plank Flooring (Armstrong® Luxe Plank™)	5.93	0.68
For Up To 40, Add	2.99	
For >40 To 100, Add	1.50	
For >1,000, Deduct	-0.45	
09 65 23 00-0004 SF 0.16" Overall Thickness, 0.020" Wear Layer, Vinyl Plank Flooring (Armstrong® Luxe Plank™)	6.62	0.68
For Up To 40, Add	3.13	
For >40 To 100, Add	1.57	
For >1,000, Deduct	-0.52	
09 65 43 Linoleum Flooring (09 65)		
09 65 43 00-0001 Linoleum Flooring (09 65 43)		
09 65 43 00-0002 SF Linoleum Tile (Forbo Marmoleum Composition Tile, MCT)	4.63	1.37
09 65 43 00-0003 SF 2.5mm, Linoleum Sheet (Forbo Marmoleum)	3.31	0.68
For 3.2mm Thickness, Add	0.38	
For 2mm Thickness, Deduct	-0.18	

09 Finishes**09 60 Flooring****09 65 Resilient Flooring**

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

09 65 43 00-0004 LF Heat Weld Linoleum Sheet Flooring Seams6.19
Note: For areas requiring seamless installations and superior infection control. Includes routing or hand grooving seams, installing welding rod with heat welding gun, trimming the weld rod flush with the floor surface and applying a protective finish to seam.

09 65 66 Resilient Athletic Flooring (09 65)**09 65 66 00-0001 Sheet Goods For Gym (09 65 66)**

09 65 66 00-0002 SF 1/4" Polyvinyl Chloride (PVC) Cushioned Synthetic Gym Floor6.85 2.72
09 65 66 00-0003 SF 9/32" Polyvinyl Chloride (PVC) Cushioned Synthetic Gym Floor7.20 2.81
09 65 66 00-0004 SF 3/8" Polyvinyl Chloride (PVC) Cushioned Synthetic Gym Floor7.47 2.90
09 65 66 00-0005 SF 1/8" Rubber Sheet Good For Gym Floor Base4.64 2.22
09 65 66 00-0006 SF 3/16" Rubber Sheet Good For Gym Floor Base5.24 2.54
09 65 66 00-0007 SF 1/4" Rubber Sheet Good For Gym Floor Base6.06 2.72
09 65 66 00-0008 SF 3/8" Rubber Sheet Good For Gym Floor Base6.66 2.90
09 65 66 00-0009 SF 1/2" Rubber Sheet Good For Gym Floor Base7.06 3.08

09 65 66 00-0010 Interlocking Rubber Flooring (09 65 66)

09 65 66 00-0011 SF 3/8" Interlocking Rubber Athletic Flooring With Raised Square Pattern (Pawling HL-155)21.11 0.63
Note: Black with hidden or exposed locks.
For Colors, Add 2.53
09 65 66 00-0012 SF 9/16" Interlocking Rubber Athletic Flooring With Raised Square Pattern (Pawling HL-100)32.35 0.63
Note: Black with hidden or exposed locks.
For Colors, Add 3.93
09 65 66 00-0013 SF 7/16" Interlocking Rubber Athletic Flooring With Raised Square Pattern (Pawling PL-100)18.85 0.63
Note: Black with hidden or exposed locks.
For Colors, Add 2.24
09 65 66 00-0014 SF 9/16" Interlocking Rubber Athletic Flooring With Raised Square Pattern (Pawling PL-200)22.54 0.63
Note: Black with hidden or exposed locks.
For Colors, Add 2.71
09 65 66 00-0015 SF 7/16" Interlocking Rubber Athletic Flooring With Raised Square Pattern (Pawling FL-150)18.85 0.63
Note: Black with hidden or exposed locks.
For Colors, Add 2.24
09 65 66 00-0016 SF 3/8" Interlocking Rubber Tile Flooring3.80 0.63
09 65 66 00-0017 SF 7/16" Interlocking Rubber Tile Flooring4.22 0.72
09 65 66 00-0018 SF 1/2" Interlocking Rubber Tile Flooring4.42 0.79
09 65 66 00-0019 SF 5/8" Interlocking Rubber Tile Flooring4.73 0.95
09 65 66 00-0020 SF 3/4" Interlocking Rubber Tile Flooring6.94 1.27
09 65 66 00-0021 SF 1" Interlocking Rubber Tile Flooring9.00 1.55

09 65 66 00-0022 Polyurethane Floor Systems (09 65 66)

See CSI section 09 93 23 53-0022 for game lines.

09 65 66 00-0023 SF 7 mm Thick Base Coat, 2 mm Thick Top Coat, Polyurethane Floor System With Polyurethane/Rubber Granulate Base (Robbins Pulastic)13.96 1.82
09 65 66 00-0024 SF 9 mm Thick Base Coat, 2 mm Thick Top Coat, Polyurethane Floor System With Polyurethane/Rubber Granulate Base (Robbins Pulastic)15.18 1.82

09 66 Terrazzo Flooring (09 60)**09 66 13 Portland Cement Terrazzo Flooring (09 66)**

Note: Excludes divider strips. See CSI section 09 66 33 00-0000 for conductive terrazzo.

09 66 13 00-0001 Floors Bonded To Concrete (09 66 13)

Note: 1-3/4" Thick - 5/8" topping.

09 66 13 00-0002 SF Terrazzo Floor, Bonded To Concrete, Gray Cement 1-3/4" Thick With 5/8" Topping22.43 2.40
For Venetian Type Terrazzo, Add 6.30
For Abrasive Heavy Duty Terrazzo, Add 6.30
For Colors, Add 3.15
For Up To 100, Add 5.19
For >100 To 250, Add 2.60
09 66 13 00-0003 SF Terrazzo Floor, Bonded To Concrete, White Cement 1-3/4" Thick With 5/8" Topping22.58 2.40
For Venetian Type Terrazzo, Add 6.38
For Abrasive Heavy Duty Terrazzo, Add 6.38
For Colors, Add 3.19
For Up To 100, Add 5.21
For >100 To 250, Add 2.60

09 66 13 00-0004 Floors Not Bonded To Concrete (09 66 13)

Note: 3" Thick - 5/8" topping and 1/4" sand cushion.

09 66 13 00-0005 SF Terrazzo Floor, Not Bonded, Gray Cement 3" Thick With 5/8" Topping, 1/4" Sand Cushion28.07 2.40
For Venetian Type Terrazzo, Add 7.64
For Abrasive Heavy Duty Terrazzo, Add 7.64
For Colors, Add 3.82
For Up To 100, Add 6.65
For >100 To 250, Add 3.32



Finishes	09	09
Flooring	09 60	
Terrazzo Flooring	09 66	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 66 13 00-0006 SF Terrazzo Floor, Not Bonded, White Cement 3" Thick With 5/8" Topping, 1/4" Sand Cushion	28.22	2.40
For Venetian Type Terrazzo, Add	7.71	
For Abrasive Heavy Duty Terrazzo, Add	7.71	
For Colors, Add	3.86	
For Up To 100, Add	6.66	
For >100 To 250, Add	3.33	
09 66 13 00-0007 Monolithic Terrazzo (09 66 13)		
09 66 13 00-0008 SF Monolithic Terrazzo, 3-1/2" Base 5/8" Topping, 4'-5' Square Panels Topping (Including Mesh And Felt)	15.76	2.40
For Venetian Type Terrazzo, Add	5.56	
For Abrasive Heavy Duty Terrazzo, Add	5.56	
For Colors, Add	2.78	
For Up To 100, Add	2.97	
For >100 To 250, Add	1.48	
09 66 13 00-0009 Terrazzo Wainscot (09 66 13)		
09 66 13 00-0010 SF Terrazzo Wainscot Cast In Place 1-1/2" Thick Bonded To Concrete Or Masonry 1-1/2" Thick	29.46	3.20
For Venetian Type Terrazzo, Add	4.08	
09 66 13 00-0011 Terrazzo Base (09 66 13)		
09 66 13 00-0012 SF Terrazzo Base, Cast In Place, 6" Cove Type.....	31.38	2.45
For Venetian Type Terrazzo, Add	8.90	
09 66 13 00-0013 Terrazzo Curb (09 66 13)		
09 66 13 00-0014 LF 6" x 6" Terrazzo Curb, Cast In Place, Polished Top And 2 Faces	78.06	16.30
For Venetian Type Terrazzo, Add	11.86	
09 66 13 00-0015 Stairs Cast In Place (09 66 13)		
Note: Topping applied to concrete or metal.		
09 66 13 00-0016 LF Cast In Place Terrazzo Stair, 1-1/2" Thick x 12" Wide, Applied To Concrete Or Metal.....	29.91	4.79
For Each SF Of Abrasive Surface Finish, Add	0.35	
For Each LF Of Embedded Abrasive Strips, Add	0.56	
For Each LF Of Abrasive Metal Nosing, Add	3.90	
For Each SF Of Landings, Add	1.50	
09 66 13 00-0017 LF Cast In Place Terrazzo Stair Tread And Riser, Applied To Concrete Or Metal.....	74.16	15.99
For Each SF Of Abrasive Surface Finish, Add	0.35	
For Each LF Of Embedded Abrasive Strips, Add	0.56	
For Each LF Of Abrasive Metal Nosing, Add	3.90	
For Each SF Of Landings, Add	1.50	
09 66 13 00-0018 SF Cast In Place Terrazzo Stair Stringer And Fascia, Applied To Concrete Or Metal	30.36	4.79
For Each SF Of Abrasive Surface Finish, Add	0.35	
For Each LF Of Embedded Abrasive Strips, Add	0.56	
For Each LF Of Abrasive Metal Nosing, Add	3.90	
For Each SF Of Landings, Add	1.50	
09 66 13 00-0019 Divider Strips (09 66 13)		
09 66 13 00-0020 LF 1-1/4" Deep, 14 Gauge, Zinc Plated Steel, Divider Strip.....	3.76	0.80
09 66 13 00-0021 LF 1-1/4" Deep, 14 Gauge, Brass, Divider Strip	3.21	0.80
09 66 13 00-0022 LF 1-1/4" Deep, 1/4" Thick, Zinc Plated Steel, Heavy Top Strip	5.70	0.80
09 66 13 00-0023 LF 1-1/4" Deep, 1/4" Thick, Galvanized Steel Bottom, Brass, Heavy Top Strip.....	8.14	0.80
09 66 13 00-0024 LF 1/2" x 1/2", 16 Gauge, Zinc Plated Steel, Divider Strip For Thin Set Floors.....	3.66	0.80
09 66 13 00-0025 LF 1/2" x 1/2", 16 Gauge, Brass, Divider Strip For Thin Set Floors.....	5.20	0.80
09 66 13 00-0026 LF Vinyl Plastic, Divider Strip For Floor	3.70	0.80
09 66 16 Terrazzo Floor Tile (09 66)		
09 66 16 00-0001 Flooring Tiles (09 66 16)		
Note: Gray cement setting bed 3/16" polyester matrix or 1/2" cement matrix 12" x 12".		
09 66 16 00-0002 Terrazzo Tiles With Non Slip Surface (09 66 16 00-0001)		
09 66 16 00-0003 SF 9" x 9" x 1" Non Slip Precast Terrazzo, Thin Set Floor Tile	25.10	2.20
For White Cement, Add	0.36	
For Venetian Type Terrazzo, Add	2.00	
09 66 16 00-0004 SF 12" x 12" x 1" Non Slip Precast Terrazzo, Thin Set Floor Tile.....	25.78	2.20
For White Cement, Add	0.36	
For Venetian Type Terrazzo, Add	2.00	
09 66 16 00-0005 SF 12" x 12" x 1-1/2" Non Slip Precast Terrazzo, Thin Set Floor Tile	29.94	2.20
For White Cement, Add	0.36	
For Venetian Type Terrazzo, Add	2.00	
09 66 16 00-0006 SF 18" x 18" x 1-1/2" Non Slip Precast Terrazzo, Thin Set Floor Tile	32.23	2.20
For White Cement, Add	0.36	
For Venetian Type Terrazzo, Add	2.00	
09 66 16 00-0007 SF 24" x 24" x 1-1/2" Non Slip Precast Terrazzo, Thin Set Floor Tile	33.95	2.20
For White Cement, Add	0.36	
For Venetian Type Terrazzo, Add	2.00	

09 Finishes**09 60 Flooring****09 66 Terrazzo Flooring**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 66 16 00-0008			Terrazzo Tile Thin Set (09 66 16 00-0001)		
09 66 16 00-0009	SF		Precast Terrazzo, 1/4"-1/2" Chips Floor Tiles, Thin Set Gray Cement Bed .....24.94		2.20
			<i>For White Cement, Add</i>.....0.36		
			<i>For Venetian Type Terrazzo, Add</i>.....2.00		
09 66 16 00-0010	SF		Precast Terrazzo, 3/8"-1" Chips Floor Tiles, Thin Set Gray Cement Bed .....26.69		2.20
			<i>For White Cement, Add</i>.....0.36		
			<i>For Venetian Type Terrazzo, Add</i>.....2.00		
09 66 16 00-0011			Thin Set Terrazzo Wainscot (09 66 16 00-0001)		
09 66 16 00-0012	SF		12" x 12" x 1" Terrazzo Tile Wainscot Thin Set.....39.41		4.89
			<i>For Each LF Of White Cement, Add</i>.....0.50		
			<i>For Each LF Of Zinc Toe Strip, Add</i>.....1.00		
09 66 16 00-0013	SF		18" x 18" x 1-1/2" Terrazzo Tile Wainscot Thin Set.....44.91		4.89
			<i>For Each LF Of White Cement, Add</i>.....0.50		
			<i>For Each LF Of Zinc Toe Strip, Add</i>.....1.00		
09 66 16 00-0014			Thin Set Terrazzo Base, Gray Cement (09 66 16 00-0001)		
09 66 16 00-0015	LF		6" High, Straight Terrazzo Base Thin Set, Gray Cement .....13.24		2.45
			<i>For Each LF Of White Cement, Add</i>.....0.50		
			<i>For Each LF Of Zinc Toe Strip, Add</i>.....1.00		
09 66 16 00-0016	LF		6" High, Cove Terrazzo Base Thin Set, Gray Cement .....14.85		2.45
			<i>For Each LF Of White Cement, Add</i>.....0.50		
			<i>For Each LF Of Zinc Toe Strip, Add</i>.....1.00		
09 66 16 00-0017	LF		8" High, Straight Terrazzo Base Thin Set, Gray Cement .....15.47		2.45
			<i>For Each LF Of White Cement, Add</i>.....0.50		
			<i>For Each LF Of Zinc Toe Strip, Add</i>.....1.00		
09 66 16 00-0018	LF		8" High, Cove Terrazzo Base Thin Set, Gray Cement .....16.28		2.45
			<i>For Each LF Of White Cement, Add</i>.....0.50		
			<i>For Each LF Of Zinc Toe Strip, Add</i>.....1.00		
09 66 16 00-0019			Terrazzo Curbs (09 66 16 00-0001)		
09 66 16 00-0020	LF		8" x 8" Curb, Terrazzo Tile.....26.21		3.26
			<i>For Each LF Of White Cement, Add</i>.....0.50		
			<i>For Each LF Of Zinc Toe Strip, Add</i>.....1.00		
09 66 16 00-0021	LF		6" x 6" Curb, Terrazzo Tile.....25.41		3.26
			<i>For Each LF Of White Cement, Add</i>.....0.50		
			<i>For Each LF Of Zinc Toe Strip, Add</i>.....1.00		
09 66 16 00-0022			Precast Terrazzo Stair Treads 12" Wide (09 66 16 00-0001)		
09 66 16 00-0023	LF		1-1/2" Precast Terrazzo Stair Tread 12" Wide x 1-1/2" Thick, Diamond Pattern.....65.51		3.26
09 66 16 00-0024	LF		1-1/2" Precast Terrazzo Stair Tread 12" Wide x 1-1/2" Thick, Non Slip Surface.....55.84		3.26
09 66 16 00-0025	LF		2" Precast Terrazzo Straight Stair Tread.....49.39		3.26
09 66 16 00-0026	LF		2" Precast Terrazzo Curved Stair Tread.....57.90		3.26
09 66 16 00-0027			Stair Risers, 1" Thick To 6" High, Straight (09 66 16 00-0001)		
09 66 16 00-0028	LF		1"-6" High Precast Terrazzo Stair Riser Straight Section, Thin Set .....29.53		2.45
09 66 16 00-0029	LF		1"-6" High Precast Terrazzo Stair Riser Straight Cove Section, Thin Set.....34.37		2.45
09 66 16 00-0030			Stair Risers, 1" Thick To 6" High, Curved (09 66 16 00-0001)		
09 66 16 00-0031	LF		1" To 6" High Precast Terrazzo Stair Riser Curved Vertical Section, Thin Set.....43.68		2.45
09 66 16 00-0032	LF		1" To 6" High Precast Terrazzo Stair Riser Curved Cove Section, Thin Set.....46.91		2.45
09 66 16 00-0033			Tread And Riser (09 66 16)		
09 66 16 00-0034			Stair Stringers, Notched For Treads And Risers (09 66 16 00-0033)		
09 66 16 00-0035	LF		1" Precast Terrazzo Stair Stringers Notched For Treads And Risers.....72.95		6.52
09 66 16 00-0036	LF		2" Precast Terrazzo Stair Stringers Notched For Treads And Risers.....88.12		6.52
09 66 16 00-0037			Structural Non-Slip Landings (09 66 16 00-0033)		
09 66 16 00-0038	SF		1-1/2" Thick Precast Terrazzo Stair Landing Structural, Non Slip.....52.61		3.26
09 66 16 00-0039	SF		3" Thick Precast Terrazzo Stair Landing Structural, Non Slip.....64.89		3.26
09 66 16 00-0040			Combined Tread And Riser (09 66 16 00-0033)		
09 66 16 00-0041			Straight Sections (09 66 16 00-0040)		
09 66 16 00-0042	LF		Precast Terrazzo Stair Tread And Riser 1-1/2" Tread, 3/4" Riser, Straight Section.....115.38		6.52
09 66 16 00-0043	LF		Precast Terrazzo Stair Tread And Riser 3" Tread, 1" Riser, Straight Section.....137.95		6.52
09 66 16 00-0044			Curved Sections (09 66 16 00-0040)		
09 66 16 00-0045	LF		Precast Terrazzo Stair Tread And Riser 2" Tread, 1" Riser, Curved Section.....144.88		6.52



	Finishes	09
	Flooring	09 60
	Terrazzo Flooring	09 66

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 66 16 00-0046	LF		Precast Terrazzo Stair Tread And Riser 3" Tread, 1" Riser, Curved Section.....	183.58	6.52
09 66 23			Resinous Matrix Terrazzo Flooring (09 66)		
09 66 23 16			Epoxy-Resin Terrazzo Flooring (09 66 23)		
09 66 23 16-0001			Epoxy Terrazzo (09 66 23 16)		
09 66 23 16-0002	SF		Chemical Resistant Epoxy Terrazzo, 1/4" Thick	21.52	2.40
09 66 33			Conductive Terrazzo Flooring (09 66)		
			Note: For anti-static areas.		
09 66 33 13			Conductive Epoxy-Resin Terrazzo (09 66 33)		
09 66 33 13-0001	SF		Terrazzo, Epoxy System, Floor Sparkproof, Conductive, Industrial.....	22.75	4.07
09 66 33 13-0002	SF		Terrazzo, Epoxy System, Base Sparkproof, Conductive, Industrial.....	41.63	4.07
09 66 33 16			Conductive Polyester-Resin Terrazzo Flooring (09 66 33)		
09 66 33 16-0001	SF		Terrazzo, Polyester System, Floor Sparkproof, Conductive, Industrial.....	17.36	4.07
09 66 33 16-0002	SF		Terrazzo, Polyester System, Base Sparkproof, Conductive, Industrial.....	30.09	4.07
09 66 33 19			Conductive Plastic-Matrix Terrazzo Flooring (09 66 33)		
09 66 33 19-0001	SF		Terrazzo, Polyacrylate System, Floor Sparkproof, Conductive, Industrial	19.36	4.07
09 66 33 19-0002	SF		Terrazzo, Polyacrylate System, Base Sparkproof, Conductive, Industrial	37.44	4.07
09 66 33 19-0003	SF		Terrazzo, Synthetic Latex Mastic System, Floor Sparkproof, Conductive, Industrial	28.29	4.07
09 66 33 19-0004	SF		Terrazzo, Synthetic Latex Mastic System, Base Sparkproof, Conductive, Industrial	32.01	4.07
09 67			Fluid-Applied Flooring (09 60)		
09 67 16			Epoxy-Marble Chip Flooring (09 67)		
09 67 16 00-0001			Epoxy Marble Chip Flooring (09 67 16)		
09 67 16 00-0002	SF		Epoxy Marble Floor With Colored Quartz Chips In 1/4" Base.....	11.58	2.40
			For Skid Resistant Abrasive Sand Finish, Add	0.04	
			For Skid Resistant, Orange Peel Texture, Non-Abrasive Topping, Add	0.04	
09 67 16 00-0003	SF		Epoxy Marble Chip Floor, Topping 3/16" Thick, Heavy Duty Epoxy	12.19	2.40
			For Skid Resistant Abrasive Sand Finish, Add	0.05	
			For Skid Resistant, Orange Peel Texture, Non-Abrasive Topping, Add	0.05	
09 67 29			Epoxy Flooring (09 67)		
09 67 29 00-0001			Epoxy Flooring (09 67 29)		
			Note: Includes primer and topcoats (assorted colors), existing floor preparation of sand or bead blasting, degreasing and cleaning of existing floor system prior to application if applied directly to floor. Excludes floor patching, saw cutting joints, additional grinding of existing floor, leveling of floor, removal of existing floor or tiles, and applied markings or stripes.		
09 67 29 00-0002	SF		Epoxy Flooring Trowel Applied Mortar Compound, 3/16" Heavy Duty (6,000 - 7,500 PSI).....	9.89	5.44
			For Skid Resistant Abrasive Sand Finish, Add	0.04	
			For Skid Resistant, Orange Peel Texture, Non-Abrasive Topping, Add	0.04	
			For Up To 500, Add	1.83	
			For >500 To 1,000, Add	1.16	
			For >1,000 To 2,000, Add	0.58	
09 67 29 00-0003	SF		Epoxy Flooring Trowel Applied Mortar Compound, 3/16", Chemical Resistant (10,000 - 12,000 PSI)	14.11	5.44
			For Skid Resistant Abrasive Sand Finish, Add	0.08	
			For Skid Resistant, Orange Peel Texture, Non-Abrasive Topping, Add	0.08	
			For Up To 500, Add	2.89	
			For >500 To 1,000, Add	1.80	
			For >1,000 To 2,000, Add	0.90	
09 67 29 00-0004	SF		Epoxy Flooring Trowel Applied Mortar Compound, 1/4" Heavy Duty (6,000 - 7,500 PSI).....	11.20	6.07
			For Skid Resistant Abrasive Sand Finish, Add	0.04	
			For Skid Resistant, Orange Peel Texture, Non-Abrasive Topping, Add	0.04	
			For Up To 500, Add	2.07	
			For >500 To 1,000, Add	1.31	
			For >1,000 To 2,000, Add	0.66	
09 67 29 00-0005	SF		Epoxy Flooring Trowel Applied Mortar Compound, 1/4", Chemical Resistant (10,000 - 12,000 PSI)	16.04	6.07
			For Skid Resistant Abrasive Sand Finish, Add	0.09	
			For Skid Resistant, Orange Peel Texture, Non-Abrasive Topping, Add	0.09	
			For Up To 500, Add	3.28	
			For >500 To 1,000, Add	2.04	
			For >1,000 To 2,000, Add	1.02	
09 67 29 00-0006	SF		Epoxy Flooring Trowel Applied Mortar Compound, 3/8" Heavy Duty (6,000 - 7,500 PSI).....	12.51	6.79
			For Skid Resistant Abrasive Sand Finish, Add	0.05	
			For Skid Resistant, Orange Peel Texture, Non-Abrasive Topping, Add	0.05	
			For Up To 500, Add	2.33	
			For >500 To 1,000, Add	1.48	
			For >1,000 To 2,000, Add	0.74	

09	09 09 Finishes
	09 60 Flooring
	09 67 Fluid-Applied Flooring



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 67 29 00-0007 SF Epoxy Flooring Trowel Applied Mortar Compound, 3/8", Chemical Resistant (10,000 - 12,000 PSI)	17.64	6.79
For Skid Resistant Abrasive Sand Finish, Add	0.10	
For Skid Resistant, Orange Peel Texture, Non-Abrasive Topping, Add	0.10	
For Up To 500, Add	3.61	
For >500 To 1,000, Add	2.25	
For >1,000 To 2,000, Add	1.12	
09 68 Carpeting <small>(09 60)</small>		
Note: No VOC carpet and adhesives. Includes tack strips, glue and floor fastenings as required and vacuuming.		
09 68 13 Tile Carpeting <small>(09 68)</small>		
09 68 13 00-0001 Tufted Carpet Tiles <small>(09 68 13)</small>		
Note: Level-loop pile or textured-loop pile carpet tiles. Includes glue or peel and stick backing.		
09 68 13 00-0002 Non-Patterned Carpet Tiles <small>(09 68 13 00-0001)</small>		
09 68 13 00-0003 SY 18 Ounce, Non Patterned, Nylon Carpet Tile.....	43.05	5.45
For >200 To 400, Deduct	-0.59	
For >400 To 600, Deduct	-0.89	
For >600 To 900, Deduct	-1.69	
For >900 To 1,500, Deduct	-2.48	
For >1,500 To 2,200, Deduct	-3.64	
For >2,200 To 3,500, Deduct	-4.71	
For >3,500, Deduct	-5.79	
For Cushion Backed Tile, Add	4.90	
09 68 13 00-0004 SY 20 Ounce, Non Patterned, Nylon Carpet Tile.....	44.85	5.45
For >200 To 400, Deduct	-0.63	
For >400 To 600, Deduct	-0.95	
For >600 To 900, Deduct	-1.78	
For >900 To 1,500, Deduct	-2.61	
For >1,500 To 2,200, Deduct	-3.82	
For >2,200 To 3,500, Deduct	-4.94	
For >3,500, Deduct	-6.06	
For Cushion Backed Tile, Add	4.90	
09 68 13 00-0005 SY 22 Ounce, Non Patterned, Nylon Carpet Tile.....	50.57	5.45
For >200 To 400, Deduct	-0.74	
For >400 To 600, Deduct	-1.12	
For >600 To 900, Deduct	-2.06	
For >900 To 1,500, Deduct	-3.01	
For >1,500 To 2,200, Deduct	-4.39	
For >2,200 To 3,500, Deduct	-5.65	
For >3,500, Deduct	-6.92	
For Cushion Backed Tile, Add	4.90	
09 68 13 00-0006 SY 24 Ounce, Non Patterned, Nylon Carpet Tile.....	56.14	5.45
For >200 To 400, Deduct	-0.86	
For >400 To 600, Deduct	-1.28	
For >600 To 900, Deduct	-2.34	
For >900 To 1,500, Deduct	-3.40	
For >1,500 To 2,200, Deduct	-4.95	
For >2,200 To 3,500, Deduct	-6.35	
For >3,500, Deduct	-7.75	
For Cushion Backed Tile, Add	4.90	
09 68 13 00-0007 SY 26 Ounce, Non Patterned, Nylon Carpet Tile.....	59.40	5.45
For >200 To 400, Deduct	-0.92	
For >400 To 600, Deduct	-1.38	
For >600 To 900, Deduct	-2.50	
For >900 To 1,500, Deduct	-3.62	
For >1,500 To 2,200, Deduct	-5.27	
For >2,200 To 3,500, Deduct	-6.76	
For >3,500, Deduct	-8.24	
For Cushion Backed Tile, Add	4.90	
09 68 13 00-0008 SY 28 Ounce, Non Patterned, Nylon Carpet Tile.....	62.74	5.45
For >200 To 400, Deduct	-0.99	
For >400 To 600, Deduct	-1.48	
For >600 To 900, Deduct	-2.67	
For >900 To 1,500, Deduct	-3.86	
For >1,500 To 2,200, Deduct	-5.61	
For >2,200 To 3,500, Deduct	-7.18	
For >3,500, Deduct	-8.74	
For Cushion Backed Tile, Add	4.90	
09 68 13 00-0009 SY 30 Ounce, Non Patterned, Nylon Carpet Tile.....	63.73	5.45
For >200 To 400, Deduct	-1.01	
For >400 To 600, Deduct	-1.51	
For >600 To 900, Deduct	-2.72	
For >900 To 1,500, Deduct	-3.93	
For >1,500 To 2,200, Deduct	-5.71	
For >2,200 To 3,500, Deduct	-7.30	
For >3,500, Deduct	-8.89	
For Cushion Backed Tile, Add	4.90	



Finishes	09	09
Flooring	09 60	
Carpeting	09 68	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 68 13 00-0010 SY 32 Ounce, Non Patterned, Nylon Carpet Tile.....	64.35	5.45
For >200 To 400, Deduct	-1.02	
For >400 To 600, Deduct	-1.53	
For >600 To 900, Deduct	-2.75	
For >900 To 1,500, Deduct	-3.97	
For >1,500 To 2,200, Deduct	-5.77	
For >2,200 To 3,500, Deduct	-7.38	
For >3,500, Deduct	-8.99	
For Cushion Backed Tile, Add	4.90	
09 68 13 00-0011 SY 34 Ounce, Non Patterned, Nylon Carpet Tile.....	64.87	5.45
For >200 To 400, Deduct	-1.03	
For >400 To 600, Deduct	-1.55	
For >600 To 900, Deduct	-2.78	
For >900 To 1,500, Deduct	-4.01	
For >1,500 To 2,200, Deduct	-5.82	
For >2,200 To 3,500, Deduct	-7.44	
For >3,500, Deduct	-9.06	
For Cushion Backed Tile, Add	4.90	
09 68 13 00-0012 SY 36 Ounce, Non Patterned, Nylon Carpet Tile.....	66.65	5.45
For >200 To 400, Deduct	-1.07	
For >400 To 600, Deduct	-1.60	
For >600 To 900, Deduct	-2.87	
For >900 To 1,500, Deduct	-4.13	
For >1,500 To 2,200, Deduct	-6.00	
For >2,200 To 3,500, Deduct	-7.66	
For >3,500, Deduct	-9.33	
For Cut And Loop Pile Combination Or Tip Shear Carpet, Add	2.00	
For Cushion Backed Tile, Add	4.90	
09 68 13 00-0013 SY 38 Ounce, Non Patterned, Nylon Carpet Tile.....	70.18	5.45
For >200 To 400, Deduct	-1.14	
For >400 To 600, Deduct	-1.70	
For >600 To 900, Deduct	-3.04	
For >900 To 1,500, Deduct	-4.38	
For >1,500 To 2,200, Deduct	-6.35	
For >2,200 To 3,500, Deduct	-8.11	
For >3,500, Deduct	-9.86	
For Cut And Loop Pile Combination Or Tip Shear Carpet, Add	2.00	
For Cushion Backed Tile, Add	4.90	
09 68 13 00-0014 SY 40 Ounce, Non Patterned, Nylon Carpet Tile.....	73.97	5.45
For >200 To 400, Deduct	-1.21	
For >400 To 600, Deduct	-1.82	
For >600 To 900, Deduct	-3.23	
For >900 To 1,500, Deduct	-4.64	
For >1,500 To 2,200, Deduct	-6.73	
For >2,200 To 3,500, Deduct	-8.58	
For >3,500, Deduct	-10.43	
For Cut And Loop Pile Combination Or Tip Shear Carpet, Add	2.00	
For Cushion Backed Tile, Add	4.90	
09 68 13 00-0015 SY 42 Ounce, Non Patterned, Nylon Carpet Tile.....	81.24	5.45
For >200 To 400, Deduct	-1.36	
For >400 To 600, Deduct	-2.04	
For >600 To 900, Deduct	-3.59	
For >900 To 1,500, Deduct	-5.15	
For >1,500 To 2,200, Deduct	-7.46	
For >2,200 To 3,500, Deduct	-9.49	
For >3,500, Deduct	-11.52	
For Cut And Loop Pile Combination Or Tip Shear Carpet, Add	2.00	
For Cushion Backed Tile, Add	4.90	
09 68 13 00-0016 SY Installation Of Owner Provided Non Patterned Carpet Tiles.....	13.31	
09 68 13 00-0017 Patterned Carpet Tiles (09 68 13 00-0001)		
Note: Patterned carpet has a definitive repeating pattern as defined by the manufacturer.		
09 68 13 00-0018 SY 18 Ounce, Patterned, Nylon Carpet Tile.....	44.83	5.45
For >200 To 400, Deduct	-0.60	
For >400 To 600, Deduct	-0.90	
For >600 To 900, Deduct	-1.73	
For >900 To 1,500, Deduct	-2.55	
For >1,500 To 2,200, Deduct	-3.75	
For >2,200 To 3,500, Deduct	-4.87	
For >3,500, Deduct	-5.99	
For Cushion Backed Tile, Add	4.90	
09 68 13 00-0019 SY 20 Ounce, Patterned, Nylon Carpet Tile.....	46.66	5.45
For >200 To 400, Deduct	-0.64	
For >400 To 600, Deduct	-0.96	
For >600 To 900, Deduct	-1.82	
For >900 To 1,500, Deduct	-2.68	
For >1,500 To 2,200, Deduct	-3.93	
For >2,200 To 3,500, Deduct	-5.10	
For >3,500, Deduct	-6.27	
For Cushion Backed Tile, Add	4.90	

09 Finishes**09 60 Flooring**

09 68 Carpeting



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 68	13 00-0020	SY	22 Ounce, Patterned, Nylon Carpet Tile	52.46	5.45
			<i>For >200 To 400, Deduct</i>	-0.76	
			<i>For >400 To 600, Deduct</i>	-1.13	
			<i>For >600 To 900, Deduct</i>	-2.11	
			<i>For >900 To 1,500, Deduct</i>	-3.09	
			<i>For >1,500 To 2,200, Deduct</i>	-4.51	
			<i>For >2,200 To 3,500, Deduct</i>	-5.82	
			<i>For >3,500, Deduct</i>	-7.14	
			<i>For Cushion Backed Tile, Add</i>	4.90	
09 68	13 00-0021	SY	24 Ounce, Patterned, Nylon Carpet Tile	58.12	5.45
			<i>For >200 To 400, Deduct</i>	-0.87	
			<i>For >400 To 600, Deduct</i>	-1.30	
			<i>For >600 To 900, Deduct</i>	-2.39	
			<i>For >900 To 1,500, Deduct</i>	-3.48	
			<i>For >1,500 To 2,200, Deduct</i>	-5.08	
			<i>For >2,200 To 3,500, Deduct</i>	-6.53	
			<i>For >3,500, Deduct</i>	-7.98	
			<i>For Cushion Backed Tile, Add</i>	4.90	
09 68	13 00-0022	SY	26 Ounce, Patterned, Nylon Carpet Tile	61.42	5.45
			<i>For >200 To 400, Deduct</i>	-0.93	
			<i>For >400 To 600, Deduct</i>	-1.40	
			<i>For >600 To 900, Deduct</i>	-2.56	
			<i>For >900 To 1,500, Deduct</i>	-3.71	
			<i>For >1,500 To 2,200, Deduct</i>	-5.41	
			<i>For >2,200 To 3,500, Deduct</i>	-6.94	
			<i>For >3,500, Deduct</i>	-8.48	
			<i>For Cushion Backed Tile, Add</i>	4.90	
09 68	13 00-0023	SY	28 Ounce, Patterned, Nylon Carpet Tile	64.81	5.45
			<i>For >200 To 400, Deduct</i>	-1.00	
			<i>For >400 To 600, Deduct</i>	-1.50	
			<i>For >600 To 900, Deduct</i>	-2.73	
			<i>For >900 To 1,500, Deduct</i>	-3.95	
			<i>For >1,500 To 2,200, Deduct</i>	-5.75	
			<i>For >2,200 To 3,500, Deduct</i>	-7.37	
			<i>For >3,500, Deduct</i>	-8.99	
			<i>For Cushion Backed Tile, Add</i>	4.90	
09 68	13 00-0024	SY	30 Ounce, Patterned, Nylon Carpet Tile	65.81	5.45
			<i>For >200 To 400, Deduct</i>	-1.02	
			<i>For >400 To 600, Deduct</i>	-1.53	
			<i>For >600 To 900, Deduct</i>	-2.78	
			<i>For >900 To 1,500, Deduct</i>	-4.02	
			<i>For >1,500 To 2,200, Deduct</i>	-5.85	
			<i>For >2,200 To 3,500, Deduct</i>	-7.49	
			<i>For >3,500, Deduct</i>	-9.14	
			<i>For Cushion Backed Tile, Add</i>	4.90	
09 68	13 00-0025	SY	32 Ounce, Patterned, Nylon Carpet Tile	66.45	5.45
			<i>For >200 To 400, Deduct</i>	-1.04	
			<i>For >400 To 600, Deduct</i>	-1.55	
			<i>For >600 To 900, Deduct</i>	-2.81	
			<i>For >900 To 1,500, Deduct</i>	-4.06	
			<i>For >1,500 To 2,200, Deduct</i>	-5.91	
			<i>For >2,200 To 3,500, Deduct</i>	-7.57	
			<i>For >3,500, Deduct</i>	-9.23	
			<i>For Cushion Backed Tile, Add</i>	4.90	
09 68	13 00-0026	SY	34 Ounce, Patterned, Nylon Carpet Tile	66.97	5.45
			<i>For >200 To 400, Deduct</i>	-1.05	
			<i>For >400 To 600, Deduct</i>	-1.57	
			<i>For >600 To 900, Deduct</i>	-2.83	
			<i>For >900 To 1,500, Deduct</i>	-4.10	
			<i>For >1,500 To 2,200, Deduct</i>	-5.96	
			<i>For >2,200 To 3,500, Deduct</i>	-7.64	
			<i>For >3,500, Deduct</i>	-9.31	
			<i>For Cushion Backed Tile, Add</i>	4.90	
09 68	13 00-0027	SY	36 Ounce, Patterned, Nylon Carpet Tile	68.78	5.45
			<i>For >200 To 400, Deduct</i>	-1.08	
			<i>For >400 To 600, Deduct</i>	-1.62	
			<i>For >600 To 900, Deduct</i>	-2.93	
			<i>For >900 To 1,500, Deduct</i>	-4.23	
			<i>For >1,500 To 2,200, Deduct</i>	-6.14	
			<i>For >2,200 To 3,500, Deduct</i>	-7.86	
			<i>For >3,500, Deduct</i>	-9.58	
			<i>For Cut And Loop Pile Combination Or Tip Shear Carpet, Add</i>	2.00	
			<i>For Cushion Backed Tile, Add</i>	4.90	
09 68	13 00-0028	SY	38 Ounce, Patterned, Nylon Carpet Tile	72.36	5.45
			<i>For >200 To 400, Deduct</i>	-1.15	
			<i>For >400 To 600, Deduct</i>	-1.73	
			<i>For >600 To 900, Deduct</i>	-3.10	
			<i>For >900 To 1,500, Deduct</i>	-4.48	
			<i>For >1,500 To 2,200, Deduct</i>	-6.50	
			<i>For >2,200 To 3,500, Deduct</i>	-8.31	
			<i>For >3,500, Deduct</i>	-10.12	
			<i>For Cut And Loop Pile Combination Or Tip Shear Carpet, Add</i>	2.00	
			<i>For Cushion Backed Tile, Add</i>	4.90	



Finishes	09	09
Flooring	09 60	
Carpeting	09 68	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 68 13 00-0029	SY		40 Ounce, Patterned, Nylon Carpet Tile	76.21	5.45
			<i>For >200 To 400, Deduct</i>	-1.23	
			<i>For >400 To 600, Deduct</i>	-1.85	
			<i>For >600 To 900, Deduct</i>	-3.30	
			<i>For >900 To 1,500, Deduct</i>	-4.75	
			<i>For >1,500 To 2,200, Deduct</i>	-6.89	
			<i>For >2,200 To 3,500, Deduct</i>	-8.79	
			<i>For >3,500, Deduct</i>	-10.70	
			<i>For Cut And Loop Pile Combination Or Tip Shear Carpet, Add</i>	2.00	
			<i>For Cushion Backed Tile, Add</i>	4.90	
09 68 13 00-0030	SY		42 Ounce, Patterned, Nylon Carpet Tile	83.59	5.45
			<i>For >200 To 400, Deduct</i>	-1.38	
			<i>For >400 To 600, Deduct</i>	-2.07	
			<i>For >600 To 900, Deduct</i>	-3.67	
			<i>For >900 To 1,500, Deduct</i>	-5.26	
			<i>For >1,500 To 2,200, Deduct</i>	-7.63	
			<i>For >2,200 To 3,500, Deduct</i>	-9.71	
			<i>For >3,500, Deduct</i>	-11.80	
			<i>For Cut And Loop Pile Combination Or Tip Shear Carpet, Add</i>	2.00	
			<i>For Cushion Backed Tile, Add</i>	4.90	
09 68 13 00-0031	SY		Installation Of Owner Provided Patterned Carpet Tiles	15.25	
09 68 13 00-0032			ESD Static Control Carpet Tiles (StaticSmart Mission Critical Discovery ECO Series) <small>(09 68 13 00-0001)</small>		
			Note: Includes conductive ESD releasable adhesive and grounding clips.		
09 68 13 00-0033	SY		24 Ounce, ESD Static Control, Non-Patterned, Nylon Carpet Tile (StaticSmart Mission Critical Discovery ECO Series)	73.22	5.45
			<i>For >200 To 400, Deduct</i>	-1.17	
			<i>For >400 To 600, Deduct</i>	-1.76	
			<i>For >600 To 900, Deduct</i>	-3.15	
			<i>For >900 To 1,500, Deduct</i>	-4.54	
			<i>For >1,500 To 2,200, Deduct</i>	-6.59	
			<i>For >2,200 To 3,500, Deduct</i>	-8.42	
			<i>For >3,500, Deduct</i>	-10.25	
09 68 16			Sheet Carpeting <small>(09 68)</small>		
			Note: Weights shown are face weight excluding backing weight and excludes padding. Demolition of carpet includes removal of glue if required. Residential carpet backing basis is for padding and commercial carpet backing is for glue down.		
09 68 16 00-0001			Carpet Cushion <small>(09 68 16)</small>		
09 68 16 00-0002			Carpet Pads <small>(09 68 16 00-0001)</small>		
09 68 16 00-0003	SY		Foam Rubber Carpet Padding	6.36	2.44
09 68 16 00-0004	SY		Sponge Rubber Carpet Cushion	6.21	2.44
09 68 16 00-0005	SY		Urethane Carpet Cushion 1/4" Thick	6.12	2.44
09 68 16 00-0006	SY		Urethane Carpet Cushion 3/8" Thick	6.68	2.44
09 68 16 00-0007	SY		7/16" Thick, Rebonded, 6 LB/CF	6.22	2.44
09 68 16 00-0008	SY		3/8" Thick, Rebonded, 7 LB/CF	6.48	2.44
09 68 16 00-0009	SY		1/2" Thick, Rebonded, 8 LB/CF	6.85	2.44
09 68 16 00-0010			Residential Broadloom Carpet <small>(09 68 16)</small>		
			Note: Includes tacks. See CSI section 09 68 16 00-0001 for padding.		
09 68 16 00-0011	SY		25 Ounce, Medium Traffic, Residential, Nylon Broadloom Carpet	30.81	6.50
			<i>For Glued Down Material Instead Of Tack Strips (Includes Scarify Floor Area And Appropriate Backing), Add</i>	2.90	
			<i>For Up To 15, Add</i>	3.34	
			<i>For >15 To 33, Add</i>	1.67	
			<i>For >200 To 400, Deduct</i>	-0.28	
			<i>For >400 To 600, Deduct</i>	-0.42	
			<i>For >600 To 900, Deduct</i>	-0.96	
			<i>For >900, Deduct</i>	-1.49	
			<i>For Installation On Stairs, Each Riser, Add</i>	6.00	
09 68 16 00-0012	SY		30 Ounce, Medium Traffic, Residential, Nylon Broadloom Carpet	34.13	6.50
			<i>For Glued Down Material Instead Of Tack Strips (Includes Scarify Floor Area And Appropriate Backing), Add</i>	2.90	
			<i>For Up To 15, Add</i>	3.34	
			<i>For >15 To 33, Add</i>	1.67	
			<i>For >200 To 400, Deduct</i>	-0.35	
			<i>For >400 To 600, Deduct</i>	-0.52	
			<i>For >600 To 900, Deduct</i>	-1.12	
			<i>For >900, Deduct</i>	-1.72	
			<i>For Installation On Stairs, Each Riser, Add</i>	6.00	
09 68 16 00-0013	SY		32 Ounce, Medium Traffic, Residential, Nylon Broadloom Carpet	38.70	6.50
			<i>For Glued Down Material Instead Of Tack Strips (Includes Scarify Floor Area And Appropriate Backing), Add</i>	2.90	
			<i>For Up To 15, Add</i>	3.34	
			<i>For >15 To 33, Add</i>	1.67	
			<i>For >200 To 400, Deduct</i>	-0.44	
			<i>For >400 To 600, Deduct</i>	-0.66	
			<i>For >600 To 900, Deduct</i>	-1.35	
			<i>For >900, Deduct</i>	-2.04	
			<i>For Installation On Stairs, Each Riser, Add</i>	6.00	

09 Finishes**09 60 Flooring**

09 68 Carpeting



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 68 16 00-0014	SY		34 Ounce, Medium Traffic, Residential, Nylon Broadloom Carpet.....	43.47	6.50
			<i>For Glued Down Material Instead Of Tack Strips (Includes Scarify Floor Area And Appropriate Backing), Add</i>	2.90	
			<i>For Up To 15, Add</i>	3.34	
			<i>For >15 To 33, Add</i>	1.67	
			<i>For >200 To 400, Deduct</i>	-0.54	
			<i>For >400 To 600, Deduct</i>	-0.80	
			<i>For >600 To 900, Deduct</i>	-1.59	
			<i>For >900, Deduct</i>	-2.38	
			<i>For Installation On Stairs, Each Riser, Add</i>	6.00	
09 68 16 00-0015	SY		40 Ounce, Medium Traffic, Residential, Nylon Broadloom Carpet.....	44.30	6.50
			<i>For Glued Down Material Instead Of Tack Strips (Includes Scarify Floor Area And Appropriate Backing), Add</i>	2.90	
			<i>For Up To 15, Add</i>	3.34	
			<i>For >15 To 33, Add</i>	1.67	
			<i>For >200 To 400, Deduct</i>	-0.55	
			<i>For >400 To 600, Deduct</i>	-0.83	
			<i>For >600 To 900, Deduct</i>	-1.63	
			<i>For >900, Deduct</i>	-2.43	
			<i>For Installation On Stairs, Each Riser, Add</i>	6.00	
09 68 16 00-0016	SY		45 Ounce, Medium Traffic, Residential, Nylon Broadloom Carpet.....	45.86	7.15
			<i>For Glued Down Material Instead Of Tack Strips (Includes Scarify Floor Area And Appropriate Backing), Add</i>	3.07	
			<i>For Up To 15, Add</i>	3.56	
			<i>For >15 To 33, Add</i>	1.78	
			<i>For >200 To 400, Deduct</i>	-0.56	
			<i>For >400 To 600, Deduct</i>	-0.84	
			<i>For >600 To 900, Deduct</i>	-1.67	
			<i>For >900, Deduct</i>	-2.50	
			<i>For Installation On Stairs, Each Riser, Add</i>	6.00	
09 68 16 00-0017	SY		48 Ounce, Medium Traffic, Residential, Nylon Broadloom Carpet.....	47.29	7.15
			<i>For Glued Down Material Instead Of Tack Strips (Includes Scarify Floor Area And Appropriate Backing), Add</i>	3.07	
			<i>For Up To 15, Add</i>	3.56	
			<i>For >15 To 33, Add</i>	1.78	
			<i>For >200 To 400, Deduct</i>	-0.59	
			<i>For >400 To 600, Deduct</i>	-0.88	
			<i>For >600 To 900, Deduct</i>	-1.74	
			<i>For >900, Deduct</i>	-2.60	
			<i>For Installation On Stairs, Each Riser, Add</i>	6.00	
09 68 16 00-0018	SY		50 Ounce, Medium Traffic, Residential, Nylon Broadloom Carpet.....	50.82	7.15
			<i>For Glued Down Material Instead Of Tack Strips (Includes Scarify Floor Area And Appropriate Backing), Add</i>	3.07	
			<i>For Up To 15, Add</i>	3.56	
			<i>For >15 To 33, Add</i>	1.78	
			<i>For >200 To 400, Deduct</i>	-0.66	
			<i>For >400 To 600, Deduct</i>	-0.99	
			<i>For >600 To 900, Deduct</i>	-1.92	
			<i>For >900, Deduct</i>	-2.85	
			<i>For Installation On Stairs, Each Riser, Add</i>	6.00	
09 68 16 00-0019	SY		60 Ounce, Medium Traffic, Residential, Nylon Broadloom Carpet.....	51.23	7.15
			<i>For Glued Down Material Instead Of Tack Strips (Includes Scarify Floor Area And Appropriate Backing), Add</i>	3.07	
			<i>For Up To 15, Add</i>	3.56	
			<i>For >15 To 33, Add</i>	1.78	
			<i>For >200 To 400, Deduct</i>	-0.67	
			<i>For >400 To 600, Deduct</i>	-1.00	
			<i>For >600 To 900, Deduct</i>	-1.94	
			<i>For >900, Deduct</i>	-2.87	
			<i>For Installation On Stairs, Each Riser, Add</i>	6.00	
09 68 16 00-0020	SY		65 Ounce, Medium Traffic, Residential, Nylon Broadloom Carpet.....	52.89	7.15
			<i>For Glued Down Material Instead Of Tack Strips (Includes Scarify Floor Area And Appropriate Backing), Add</i>	3.07	
			<i>For Up To 15, Add</i>	3.56	
			<i>For >15 To 33, Add</i>	1.78	
			<i>For >200 To 400, Deduct</i>	-0.70	
			<i>For >400 To 600, Deduct</i>	-1.05	
			<i>For >600 To 900, Deduct</i>	-2.02	
			<i>For >900, Deduct</i>	-2.99	
			<i>For Installation On Stairs, Each Riser, Add</i>	6.00	
09 68 16 00-0021			Commercial Broadloom Carpet <small>(09 68 16)</small>		
			Note: Level-loop pile or textured-loop pile broadloom carpet.		
09 68 16 00-0022			Non-Patterned Broadloom Carpet <small>(09 68 16 00-0021)</small>		
09 68 16 00-0023	SY		22 Ounce, Medium Traffic, Non Patterned, Nylon Broadloom Carpet.....	38.73	22.35
			<i>For Up To 15, Add</i>	2.98	
			<i>For >15 To 33, Add</i>	1.49	
			<i>For >200 To 400, Deduct</i>	-0.48	
			<i>For >400 To 600, Deduct</i>	-0.71	
			<i>For >600 To 900, Deduct</i>	-1.42	
			<i>For >900, Deduct</i>	-2.12	
			<i>For Moisture Barrier Backing, Add</i>	3.50	
			<i>For Installation On Stairs, Each Riser, Add</i>	6.00	
09 68 16 00-0024	SY		24 Ounce, Medium Traffic, Non Patterned, Nylon Broadloom Carpet.....	38.73	22.35
			<i>For Up To 15, Add</i>	2.98	
			<i>For >15 To 33, Add</i>	1.49	
			<i>For >200 To 400, Deduct</i>	-0.48	
			<i>For >400 To 600, Deduct</i>	-0.71	
			<i>For >600 To 900, Deduct</i>	-1.42	
			<i>For >900, Deduct</i>	-2.12	
			<i>For Moisture Barrier Backing, Add</i>	3.50	
			<i>For Installation On Stairs, Each Riser, Add</i>	6.00	



	Finishes	09
	Flooring	09 60
	Carpeting	09 68

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 68 16 00-0025	SY		26 Ounce, Medium Traffic, Non Patterned, Nylon Broadloom Carpet	38.73	22.35
			<i>For Up To 15, Add</i>	2.98	
			<i>For >15 To 33, Add</i>	1.49	
			<i>For >200 To 400, Deduct</i>	-0.48	
			<i>For >400 To 600, Deduct</i>	-0.71	
			<i>For >600 To 900, Deduct</i>	-1.42	
			<i>For >900, Deduct</i>	-2.12	
			<i>For Moisture Barrier Backing, Add</i>	3.50	
			<i>For Installation On Stairs, Each Riser, Add</i>	6.00	
09 68 16 00-0026	SY		28 Ounce, Medium Traffic, Non Patterned, Nylon Broadloom Carpet	41.98	24.22
			<i>For Up To 15, Add</i>	3.23	
			<i>For >15 To 33, Add</i>	1.61	
			<i>For >200 To 400, Deduct</i>	-0.52	
			<i>For >400 To 600, Deduct</i>	-0.78	
			<i>For >600 To 900, Deduct</i>	-1.53	
			<i>For >900, Deduct</i>	-2.29	
			<i>For Moisture Barrier Backing, Add</i>	3.50	
			<i>For Installation On Stairs, Each Riser, Add</i>	6.00	
09 68 16 00-0027	SY		30 Ounce, Medium Traffic, Non Patterned, Nylon Broadloom Carpet	42.71	24.22
			<i>For Up To 15, Add</i>	3.23	
			<i>For >15 To 33, Add</i>	1.61	
			<i>For >200 To 400, Deduct</i>	-0.53	
			<i>For >400 To 600, Deduct</i>	-0.80	
			<i>For >600 To 900, Deduct</i>	-1.57	
			<i>For >900, Deduct</i>	-2.34	
			<i>For Cut Pile Carpet, Add</i>	1.50	
			<i>For Moisture Barrier Backing, Add</i>	3.50	
			<i>For Installation On Stairs, Each Riser, Add</i>	6.00	
09 68 16 00-0028	SY		32 Ounce, Medium Traffic, Non Patterned, Nylon Broadloom Carpet	42.84	24.22
			<i>For Up To 15, Add</i>	3.23	
			<i>For >15 To 33, Add</i>	1.61	
			<i>For >200 To 400, Deduct</i>	-0.53	
			<i>For >400 To 600, Deduct</i>	-0.80	
			<i>For >600 To 900, Deduct</i>	-1.58	
			<i>For >900, Deduct</i>	-2.35	
			<i>For Cut Pile Carpet, Add</i>	1.50	
			<i>For Moisture Barrier Backing, Add</i>	3.50	
			<i>For Installation On Stairs, Each Riser, Add</i>	6.00	
09 68 16 00-0029	SY		34 Ounce, Medium Traffic, Non Patterned, Nylon Broadloom Carpet	47.00	26.08
			<i>For Up To 15, Add</i>	3.48	
			<i>For >15 To 33, Add</i>	1.74	
			<i>For >200 To 400, Deduct</i>	-0.59	
			<i>For >400 To 600, Deduct</i>	-0.89	
			<i>For >600 To 900, Deduct</i>	-1.74	
			<i>For >900, Deduct</i>	-2.59	
			<i>For Cut Pile Carpet, Add</i>	1.50	
			<i>For Moisture Barrier Backing, Add</i>	3.50	
			<i>For Installation On Stairs, Each Riser, Add</i>	6.00	
09 68 16 00-0030	SY		36 Ounce, Heavy Traffic, Non Patterned, Nylon Broadloom Carpet	47.52	26.08
			<i>For Up To 15, Add</i>	3.48	
			<i>For >15 To 33, Add</i>	1.74	
			<i>For >200 To 400, Deduct</i>	-0.60	
			<i>For >400 To 600, Deduct</i>	-0.90	
			<i>For >600 To 900, Deduct</i>	-1.77	
			<i>For >900, Deduct</i>	-2.63	
			<i>For Cut Pile Carpet, Add</i>	1.50	
			<i>For Cut And Loop Pile Combination Or Tip Shear Carpet, Add</i>	2.00	
			<i>For Moisture Barrier Backing, Add</i>	3.50	
			<i>For Installation On Stairs, Each Riser, Add</i>	6.00	
09 68 16 00-0031	SY		38 Ounce, Heavy Traffic, Non Patterned, Nylon Broadloom Carpet	48.16	26.08
			<i>For Up To 15, Add</i>	3.48	
			<i>For >15 To 33, Add</i>	1.74	
			<i>For >200 To 400, Deduct</i>	-0.62	
			<i>For >400 To 600, Deduct</i>	-0.92	
			<i>For >600 To 900, Deduct</i>	-1.80	
			<i>For >900, Deduct</i>	-2.68	
			<i>For Cut Pile Carpet, Add</i>	1.50	
			<i>For Cut And Loop Pile Combination Or Tip Shear Carpet, Add</i>	2.00	
			<i>For Moisture Barrier Backing, Add</i>	3.50	
			<i>For Installation On Stairs, Each Riser, Add</i>	6.00	
09 68 16 00-0032			Patterned Broadloom Carpet <small>(09 68 16 00-0021)</small>		
			Note: Patterned carpet has a definitive repeating pattern as defined by the manufacturer.		
09 68 16 00-0033	SY		22 Ounce, Medium Traffic, Patterned, Nylon Broadloom Carpet	40.59	22.35
			<i>For Up To 15, Add</i>	3.28	
			<i>For >15 To 33, Add</i>	1.64	
			<i>For >200 To 400, Deduct</i>	-0.48	
			<i>For >400 To 600, Deduct</i>	-0.73	
			<i>For >600 To 900, Deduct</i>	-1.46	
			<i>For >900, Deduct</i>	-2.19	
			<i>For Moisture Barrier Backing, Add</i>	3.50	
			<i>For Installation On Stairs, Each Riser, Add</i>	6.00	

09	09 Finishes
	09 60 Flooring
	09 68 Carpeting



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 68 16 00-0034 SY 24 Ounce, Medium Traffic, Patterned, Nylon Broadloom Carpet.....	40.59	22.35
For Up To 15, Add	3.28	
For >15 To 33, Add	1.64	
For >200 To 400, Deduct	-0.48	
For >400 To 600, Deduct	-0.73	
For >600 To 900, Deduct	-1.46	
For >900, Deduct	-2.19	
For Moisture Barrier Backing, Add	3.50	
For Installation On Stairs, Each Riser, Add	6.00	
09 68 16 00-0035 SY 26 Ounce, Medium Traffic, Patterned, Nylon Broadloom Carpet.....	40.59	22.35
For Up To 15, Add	3.28	
For >15 To 33, Add	1.64	
For >200 To 400, Deduct	-0.48	
For >400 To 600, Deduct	-0.73	
For >600 To 900, Deduct	-1.46	
For >900, Deduct	-2.19	
For Moisture Barrier Backing, Add	3.50	
For Installation On Stairs, Each Riser, Add	6.00	
09 68 16 00-0036 SY 28 Ounce, Medium Traffic, Patterned, Nylon Broadloom Carpet.....	43.99	24.22
For Up To 15, Add	3.55	
For >15 To 33, Add	1.78	
For >200 To 400, Deduct	-0.52	
For >400 To 600, Deduct	-0.79	
For >600 To 900, Deduct	-1.58	
For >900, Deduct	-2.37	
For Moisture Barrier Backing, Add	3.50	
For Installation On Stairs, Each Riser, Add	6.00	
09 68 16 00-0037 SY 30 Ounce, Medium Traffic, Patterned, Nylon Broadloom Carpet.....	44.73	24.22
For Up To 15, Add	3.55	
For >15 To 33, Add	1.78	
For >200 To 400, Deduct	-0.54	
For >400 To 600, Deduct	-0.81	
For >600 To 900, Deduct	-1.61	
For >900, Deduct	-2.42	
For Cut Pile Carpet, Add	1.50	
For Moisture Barrier Backing, Add	3.50	
For Installation On Stairs, Each Riser, Add	6.00	
09 68 16 00-0038 SY 32 Ounce, Medium Traffic, Patterned, Nylon Broadloom Carpet.....	44.86	24.22
For Up To 15, Add	3.55	
For >15 To 33, Add	1.78	
For >200 To 400, Deduct	-0.54	
For >400 To 600, Deduct	-0.81	
For >600 To 900, Deduct	-1.62	
For >900, Deduct	-2.43	
For Cut Pile Carpet, Add	1.50	
For Moisture Barrier Backing, Add	3.50	
For Installation On Stairs, Each Riser, Add	6.00	
09 68 16 00-0039 SY 34 Ounce, Medium Traffic, Patterned, Nylon Broadloom Carpet.....	49.17	26.08
For Up To 15, Add	3.82	
For >15 To 33, Add	1.91	
For >200 To 400, Deduct	-0.60	
For >400 To 600, Deduct	-0.90	
For >600 To 900, Deduct	-1.79	
For >900, Deduct	-2.68	
For Cut Pile Carpet, Add	1.50	
For Moisture Barrier Backing, Add	3.50	
For Installation On Stairs, Each Riser, Add	6.00	
09 68 16 00-0040 SY 36 Ounce, Heavy Traffic, Patterned, Nylon Broadloom Carpet.....	49.71	26.08
For Up To 15, Add	3.82	
For >15 To 33, Add	1.91	
For >200 To 400, Deduct	-0.61	
For >400 To 600, Deduct	-0.92	
For >600 To 900, Deduct	-1.82	
For >900, Deduct	-2.71	
For Cut Pile Carpet, Add	1.50	
For Cut And Loop Pile Combination Or Tip Shear Carpet, Add	2.00	
For Moisture Barrier Backing, Add	3.50	
For Installation On Stairs, Each Riser, Add	6.00	
09 68 16 00-0041 SY 38 Ounce, Heavy Traffic, Patterned, Nylon Broadloom Carpet.....	50.36	26.08
For Up To 15, Add	3.82	
For >15 To 33, Add	1.91	
For >200 To 400, Deduct	-0.62	
For >400 To 600, Deduct	-0.94	
For >600 To 900, Deduct	-1.85	
For >900, Deduct	-2.76	
For Cut Pile Carpet, Add	1.50	
For Cut And Loop Pile Combination Or Tip Shear Carpet, Add	2.00	
For Moisture Barrier Backing, Add	3.50	
For Installation On Stairs, Each Riser, Add	6.00	
09 68 16 00-0042 Indoor/Outdoor Carpet (09 68 16)		
Note: Includes waterproof glue.		
09 68 16 00-0043 SY Nylon Indoor/Outdoor Carpet.....	30.08	4.88
09 68 16 00-0044 SY Ozite Indoor/Outdoor Carpet.....	25.17	4.88



Finishes	09	09
Flooring	09 60	
Carpeting	09 68	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 68 16 00-0045 Carpet Accessories <small>(09 68 16)</small>		
09 68 16 00-0046 LF Metal Carpet Saddle Strip, Up To 4" Wide.....	3.00	0.72
09 68 16 00-0047 Removal And Reinstallation Of Carpet And Pad <small>(09 68 16)</small>		
Note: Includes storage, cleaning and supply materials.		
09 68 16 00-0048 SY Removal And Reinstallation Of Carpet And Pad.....	31.43	
09 68 16 00-0049 Carpeting Support Functions <small>(09 68 16)</small>		
09 68 16 00-0050 Relocate Partitions, Modular Work Stations <small>(09 68 16 00-0049)</small>		
Note: Includes disassembly and reassembly of work station. Excludes electrical disconnection or reconnection.		
09 68 16 00-0051 EA Relocate Modular Work Station.....	252.56	
09 68 16 00-0052 Installation Of Owner Provided Broadloom Carpet <small>(09 68 16)</small>		
09 68 16 00-0053 SY Up To 24 Oz., Installation Of Owner Provided Broadloom Carpet.....	13.17	
Note: Includes adhesive for glue-down or tack strip for padded installations.		
For Up To 15, Add	2.59	
For >15 To 33, Add	1.30	
09 68 16 00-0054 SY >24 To 34 Oz., Installation Of Owner Provided Broadloom Carpet.....	15.32	
Note: Includes adhesive for glue-down or tack strip for padded installations.		
For Up To 15, Add	3.02	
For >15 To 33, Add	1.51	
09 68 16 00-0055 SY >34 Oz., Installation Of Owner Provided Broadloom Carpet.....	18.35	
Note: Includes adhesive for glue-down or tack strip for padded installations.		
For Up To 15, Add	3.63	
For >15 To 33, Add	1.82	
09 69 Access Flooring <small>(09 69)</small>		
09 69 13 Rigid-Grid Access Flooring <small>(09 69)</small>		
09 69 13 00-0001 Panels, No Covering <small>(09 69 13)</small>		
09 69 13 00-0002 SF 2' x 2' Panels - No Covering Access And Pedestal Floors.....	9.89	0.72
For Carpet Covering, Add	2.77	
For Vinyl Floor Covering, Add	1.91	
09 69 13 00-0003 SF 2' x 2' Perforated Panels Access And Pedestal Floors.....	18.37	0.72
For Carpet Covering, Add	2.77	
For Vinyl Floor Covering, Add	1.91	
09 69 13 00-0004 SF Tate 1250AS Panel Cover UTP Designer Plus Color Raf Blue 7153T.....	17.13	0.79
09 69 13 00-0005 SF Tate 1250AS Panel Cover UTP Designer Plus Color Sage Brown 7777T.....	17.13	0.79
09 69 13 00-0006 SF Tate 1250AS Panel Cover UTP Designer Plus Color Moondance 6808.....	17.13	0.79
09 69 13 00-0007 SF Tate 1250AS Panel Cover UTP Designer Plus Color Mosaic 6280.....	17.13	0.79
09 69 13 00-0008 SF Tate 1250AS Panel Cover HPL 1/8" Nevamar ST2-2 Beige Star/Brown Trim.....	16.22	0.79
09 69 13 00-0009 SF Tate 1250AS Panel Cover HPL 1/8" Nevamar ST6-1 Gray Star/Black Trim.....	16.22	0.79
09 69 13 00-0010 SF Tate Concore 1500 Panel Cover UTP Designer Plus Color Raf Blue 7153T.....	18.28	0.79
09 69 13 00-0011 SF Tate Concore 1500 Panel Cover UTP Designer Plus Color Sage Brown 7777T.....	18.28	0.79
09 69 13 00-0012 SF Tate Concore 1500 Panel Cover UTP Designer Plus Color Moondance 6808.....	18.28	0.79
09 69 13 00-0013 SF Tate Concore 1500 Panel Cover UTP Designer Plus Color Mosaic 6280.....	18.28	0.79
09 69 13 00-0014 SF Tate Concore 1500 Panel Cover HPL 1/8" Nevamar ST-2 Beige Star/Brown Trim.....	17.36	0.79
09 69 13 00-0015 SF Tate Concore 1500 Panel Cover HPL 1/8" Nevamar ST6-1 Grey Star/Black Trim.....	17.36	0.79
09 69 13 00-0016 SF Tate 1250AS Perforated 25% O/A Cover 1/8" Nevamar HPL ST2-2 Beige Star Trim.....	21.92	0.79
09 69 13 00-0017 SF Tate 1250AS Perforated 25% O/A Cover 1/8" Nevamar HPL ST6-1 Gray Star Trim.....	21.92	0.79
09 69 13 00-0018 Pedestals <small>(09 69 13)</small>		
09 69 13 00-0019 EA 6" To 12" Finished Floor Height, Pedestal Assembly.....	23.42	3.61
09 69 13 00-0020 EA 8" To 12" Finished Floor Height, Pedestal Assembly.....	17.36	1.08
09 69 13 00-0021 EA 18" To 24" Finished Floor Height, Pedestal Assembly.....	17.93	1.08
09 69 13 00-0022 EA 30" To 36" Finished Floor Height, Pedestal Assembly.....	20.41	3.61
09 69 13 00-0023 Stringers <small>(09 69 13)</small>		
09 69 13 00-0024 EA 2' Bolted Stringers, Access And Pedestal Floors.....	13.05	4.33
09 69 13 00-0025 EA 4' Bolted Stringers, Access And Pedestal Floors.....	22.09	6.50
09 69 13 00-0026 EA 6' Bolted Stringers, Access And Pedestal Floors.....	35.24	10.82
09 69 13 00-0027 Understructure <small>(09 69 13)</small>		
09 69 13 00-0028 SF Standard Bolted Stringer Understructure 30" Or 36" Finished Floor Height.....	4.96	1.08
09 69 53 Access Flooring Accessories <small>(09 69)</small>		
09 69 53 00-0001 Accessories <small>(09 69 53)</small>		
09 69 53 00-0002 LF Accessories, Handrail Access And Pedestal Floors.....	37.11	5.06
09 69 53 00-0003 LF Accessories, Fascia Plate Access And Pedestal Floors.....	16.66	5.06
09 69 53 00-0004 EA Machine Cutouts.....	126.00	

09	09 Finishes
	09 60 Flooring
	09 69 Access Flooring



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 69 53 00-0005 SF Hammered Aluminum Finish Fascia Note: Includes trim angles and hardware (8", 12", 18", 24").	27.37	2.38
09 69 53 00-0006 EA Cut Hole In Raised Floor And Trim With Black 1/2" Trim Material	31.27	
09 69 53 00-0007 EA Cut Round Hole In Raised Floor And Trim Carpet Install 4" Plastic Insert (Gromtec#GT003)	31.27	
09 69 53 00-0008 EA Flush Mounted Electrical Box (Including Cutting Hole Trim Carpet) P/N Telo-7018-4	120.61	9.02
09 69 53 00-0009 EA Flush Mounted Telephone Box (Grey/Black/Communications)..... Note: Includes cut hole.	87.85	9.02
09 69 53 00-0010 EA Flush Mounted Electrical Box (In Existing Hole) P/N Telo 7018-4	120.61	9.02
09 69 53 00-0011 EA Flush Mounted Telephone Box (Grey/Black/Communications) (In Existing Hole) P/N Telo-7018-2.....	58.99	1.44
09 69 53 00-0012 Final Cleaning For Computer Room Raised Floor System (09 69 53) Note: Includes wipe dirt/dust from stringers and raised floor beneath raised floor. For new or existing systems.		
09 69 53 00-0013 SF Vacuum Raised Floor Carpet Panel, Wipe Dirt/Dust From Stringers And Floor Beneath Raised Floor.....	2.42	
09 69 53 00-0014 SF Vacuum/Shampoo Raised Floor Carpet Panel, Wipe Dirt/Dust From Stringers And Floor Beneath.....	2.49	
09 69 53 00-0015 SF Vacuum/Wet Mop Clean Raised Floor HPL Panel Wipe Dirt/Dust Stringers And Raised Floor.....	2.47	
09 70 Wall Finishes (09)		
09 72 Wall Coverings (09 70)		
09 72 13 Cork Wall Coverings (09 72)		
09 72 13 00-0001 Cork Wall Covering (09 72 13)		
09 72 13 00-0002 SF 1/8" Cork Wall Covering.....	4.27	0.75
09 72 13 00-0003 SF 1/4" Cork Wall Covering.....	5.22	0.75
09 72 13 00-0004 SF 1/2" Cork Wall Covering.....	5.98	0.75
09 72 13 00-0005 SF 3/4" Cork Wall Covering.....	8.20	0.75
09 72 16 Vinyl-Coated Fabric Wall Coverings (09 72)		
09 72 16 00-0001 Vinyl Wall Coverings (09 72 16) Note: Includes wall preparation adhesive, and sizing compound. Demolition includes the removal of wall covering and adhesive.		
09 72 16 00-0002 SF Vinyl Wall Covering, 7-10 Oz/SY	1.66	0.75
<i>For Owner Furnished Material, Deduct</i>	-0.49	
09 72 16 00-0003 SF Vinyl Wall Covering, 11-14 Oz/SY	1.97	0.75
<i>For Owner Furnished Material, Deduct</i>	-0.72	
09 72 16 00-0004 SF Vinyl Wall Covering, 20-25 Oz/SY	2.59	0.75
<i>For Owner Furnished Material, Deduct</i>	-1.03	
09 72 16 00-0005 SF Vinyl Wall Covering, 26-32 Oz/SY	2.89	0.75
<i>For Owner Furnished Material, Deduct</i>	-1.26	
09 72 16 00-0006 SF Vinyl Wall Covering, 33-38 Oz/SY	3.89	0.75
<i>For Owner Furnished Material, Deduct</i>	-2.19	
09 72 19 Textile Wall Coverings (09 72)		
09 72 19 00-0001 Wall Fabrics (09 72 19)		
09 72 19 00-0002 SF Wall Covering, Natural Fabric, Grass Cloth.....	4.35	0.75
09 72 19 00-0003 SF Wall Covering, Grass Cloth.....	4.73	0.75
09 72 19 00-0004 SF Wall Covering, Burlap	3.70	0.75
09 72 19 00-0005 SF Flexible Gypsum Coated Wall Fabric, Fire Resistant.....	3.11	0.75
09 72 19 00-0006 SF Acoustical Wall Cover.....	5.21	0.75
09 72 19 00-0007 Natural Fiber Resilient Wallcovering (09 72 19)		
09 72 19 00-0008 SY Sisal Wall Covering - 48 To 54 Oz/SY With Adhesive (4', 8', 12' Widths)	53.67	5.06
<i>For Fire Rated Adhesive, UBC 42-2, Add</i>	0.11	
09 72 23 Wallpapering (09 72)		
09 72 23 00-0001 Wallpaper Coverings (09 72 23) Note: Includes wall preparation adhesive, and sizing compound. Demolition includes the removal of wall covering and adhesive.		
09 72 23 00-0002 SF Average Quality Wallpaper (Standard Grade)	2.01	0.99
09 72 23 00-0003 SF High Quality Wallpaper (Designer Grade).....	3.35	1.27
09 72 23 00-0004 SF Ceiling Paper	3.05	1.87
09 73 Wall Carpeting (09 70)		
09 73 00 00-0001 Carpet Wall Covering (09 73)		
09 73 00 00-0002 SY Nylon 28 Oz Carpet Wall Covering	31.75	10.82
09 73 00 00-0003 SY Nylon 32 Oz Carpet Wall Covering	32.36	10.82
09 73 00 00-0004 SY Nylon 34 Oz Carpet Wall Covering	35.13	11.91
09 73 00 00-0005 SY Nylon 35 Oz Carpet Wall Covering	37.19	12.63
09 73 00 00-0006 SY Nylon 36 Oz Carpet Wall Covering	39.30	13.35
09 73 00 00-0007 SY Nylon 38 Oz Carpet Wall Covering	40.04	13.35



		Finishes	09
		Wall Finishes	09 70
		Wall Carpeting	09 73

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 73 00 00-0008	SY		Nylon 40 Oz Carpet Wall Covering.....	41.57	13.71
09 73 00 00-0009	SY		Nylon 42 Oz Carpet Wall Covering.....	43.23	14.07
09 74 Flexible Wood Sheets (09 70)					
09 74 16 Flexible Wood Veneers (09 74)					
09 74 16 00-0001 Walnut (09 74 16)					
09 74 16 00-0002	SF		Walnut 1/32 In Thick Flexible Wood Veneer.....	8.38	3.00
09 74 16 00-0003 Exotic Wood (09 74 16)					
09 74 16 00-0004	SF		Exotic Wood 1/32 Thick, Flexible Wood Veneer.....	11.05	3.00
09 77 Special Wall Surfacing (09 70)					
09 77 11 Special Wall Panels (09 77)					
09 77 11 00-0001 Corian Wall Panels (09 77 11)					
09 77 11 00-0002 Wall Panels (09 77 11 00-0001)					
09 77 11 00-0003	SF		1/4" Corian Wall Panels, Sea Grass	25.46	4.52
			<i>For >500, Deduct</i>	1.64	
09 77 11 00-0004	SF		1/4" Corian Wall Panels, Aqua.....	29.98	4.52
			<i>For >500, Deduct</i>	2.09	
09 77 11 00-0005	SF		1/4" Corian Wall Panels, Everest.....	31.84	4.52
			<i>For >500, Deduct</i>	2.28	
09 77 11 00-0006 Corian Corner Guards For Wall Panels (09 77 11 00-0001)					
09 77 11 00-0007	SF		1/2" Curved Corner Guard For Corian Wall Panels, Sea Grass	64.79	3.62
09 77 11 00-0008	SF		1/2" Curved Corner Guard For Corian Wall Panels, Aqua.....	69.79	3.62
09 77 11 00-0009	SF		1/2" Curved Corner Guard For Corian Wall Panels, Everest.....	63.31	3.62
09 80 Acoustic Treatment (09)					
09 81 Acoustic Insulation (09 80)					
09 81 16 Acoustic Blanket Insulation (09 81)					
09 81 16 00-0001 Sound Attenuation Fire Blankets (SAFB) (09 81 16)					
09 81 16 00-0002 2.5 PCF Density, Sound Attenuation Fire Blankets (SAFB) (09 81 16 00-0001)					
09 81 16 00-0003	SF		1-1/2" Thick, 2.5 PCF Density, Sound Attenuation Fire Blanket (Thermafiber SAFB)	1.42	0.27
09 81 16 00-0004	SF		2" Thick, 2.5 PCF Density, Sound Attenuation Fire Blanket (Thermafiber SAFB)	1.50	0.27
09 81 16 00-0005	SF		2-1/2" Thick, 2.5 PCF Density, Sound Attenuation Fire Blanket (Thermafiber SAFB)	1.61	0.27
09 81 16 00-0006	SF		3" Thick, 2.5 PCF Density, Sound Attenuation Fire Blanket (Thermafiber SAFB)	1.70	0.27
09 81 16 00-0007	SF		3-1/2" Thick, 2.5 PCF Density, Sound Attenuation Fire Blanket (Thermafiber SAFB)	1.82	0.27
09 81 16 00-0008	SF		4" Thick, 2.5 PCF Density, Sound Attenuation Fire Blanket (Thermafiber SAFB)	1.93	0.27
09 81 16 00-0009	SF		5" Thick, 2.5 PCF Density, Sound Attenuation Fire Blanket (Thermafiber SAFB)	2.07	0.27
09 81 16 00-0010	SF		6" Thick, 2.5 PCF Density, Sound Attenuation Fire Blanket (Thermafiber SAFB)	2.24	0.27
09 81 16 00-0011 4 PCF Density, Sound Attenuation Fire Blankets (SAFB) (09 81 16 00-0001)					
09 81 16 00-0012	SF		1" Thick, 4 PCF Density, Sound Attenuation Fire Blanket (Thermafiber SAFB)	1.40	0.27
09 81 16 00-0013 Sound Attenuation Batts (09 81 16)					
Note: NoiseReducer® by Certainteed, Quitezone® by Owens Corning, Sound-Shield® by Johns Mansville.					
09 81 16 00-0014	SF		2-1/2" Thick, Unfaced Sound Attenuation Batt.....	0.88	0.36
09 81 16 00-0015	SF		3-1/2" Thick, Unfaced Sound Attenuation Batt.....	0.93	0.36
09 81 16 00-0016	SF		3-1/2" Thick, Kraft Faced Sound Attenuation Batt	0.95	0.36
09 81 16 00-0017	SF		5-1/2" Thick, Unfaced Sound Attenuation Batt.....	1.04	0.36
09 81 16 00-0018	SF		5-1/2" Thick, Kraft Faced Sound Attenuation Batt	1.06	0.36
09 81 16 00-0019	SF		6-1/4" Thick, Unfaced Sound Attenuation Batt.....	1.06	0.36
09 81 16 00-0020	SF		6-1/4" Thick, Kraft Faced Sound Attenuation Batt	1.09	0.36
09 84 Acoustic Room Components (09 80)					
09 84 13 Fixed Sound-Absorptive Panels (09 84)					
09 84 13 00-0001 Sound Absorbing Panels And Attenuation Blankets (09 84 13)					
Note: No backs, 3" thick modular, ceiling or wall hung back. Excludes ceiling suspension systems and wall furring system. See CSI section 09 22 13 00-0000 for furring, 09 53 23 00-0000 for suspended ceiling support.					
09 84 13 00-0002	SF		3" Thick Perforated Steel Sound Absorbing Panel Painted, No Back With Fiberglass Or Mineral Filler.....	8.87	1.81
09 84 13 00-0003	SF		1" Thick Fiberglass Sound Absorbing Panels With Glass Cloth Face For Walls	12.98	1.81

09 Finishes**09 80 Acoustic Treatment****09 84 Acoustic Room Components**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
09 84 13 00-0004		Sound Absorbing Acoustical Wall Panel System <small>(09 84 13)</small> See CSI section 06 11 16 00-0194 for wood furring.			
09 84 13 00-0005		Fiberglass, Sound Absorbing Wall Panel System <small>(09 84 13 00-0004)</small> Note: Includes molding and mounting hardware for flush mount. All panels are 3/4" thick.			
09 84 13 00-0006	SF	Woven Fabric Covered, Fiberglass, Sound Absorbing Wall Panel System (Maharam Tek-Wall)	11.36		2.03
09 84 13 00-0007	SF	Woven Fabric Covered, Fiberglass, Sound Absorbing Wall Panel System (Maharam Adorn)	13.50		2.03
09 84 13 00-0008		Sound Absorbing Panel, Eggcrate Style <small>(09 84 13)</small> Note: Ceiling or wall hung back.			
09 84 13 00-0009	SF	2" Thick Polyurethane Sound Wave (Eggcrate Style)	8.28		
		<i>For Pyramid Style, Add</i>	1.18		
09 84 13 00-0010	SF	3" Thick Polyurethane Sound Wave (Eggcrate Style)	10.78		
		<i>For Pyramid Style, Add</i>	1.18		
09 84 13 00-0011	SF	4" Thick Polyurethane Sound Wave (Eggcrate Style)	13.85		
		<i>For Pyramid Style, Add</i>	1.18		
09 84 13 00-0012	SF	2" Thick Melamine Sound Wave (Eggcrate Style)	10.47		
		<i>For Eggcrate Style With Hypalon Coating, Add</i>	1.97		
		<i>For Pyramid Style, Add</i>	2.05		
		<i>For Pyramid Style With Hypalon Coating, Add</i>	4.02		
09 84 13 00-0013	SF	3" Thick Melamine Sound Wave (Eggcrate Style)	20.13		
		<i>For Eggcrate Style With Hypalon Coating, Add</i>	1.97		
		<i>For Pyramid Style, Add</i>	0.42		
		<i>For Pyramid Style With Hypalon Coating, Add</i>	2.40		
09 84 13 00-0014	SF	4" Thick Melamine Sound Wave (Eggcrate Style)	25.56		
		<i>For Eggcrate Style With Hypalon Coating, Add</i>	1.97		
		<i>For Pyramid Style, Add</i>	0.42		
		<i>For Pyramid Style With Hypalon Coating, Add</i>	2.40		
09 85		Acoustic Sound Deadening <small>(09 80)</small>			
09 85 00 00-0001		Sound Deadening Fiberboard <small>(09 85)</small>			
09 85 00 00-0002	SF	1/2" Sound Deadening Fiberboard	1.20		0.45
		<i>For Times When The Shortest Distance From Corner to Corner Is <3', Add</i>	0.41		
		<i>For Horizontal Installation Up To 10' High, Add</i>	0.28		
		<i>For Horizontal Installation >10' High, Add</i>	0.41		
		<i>For Walls >10' High, Add</i>	0.07		
		<i>For Up To 128, Add</i>	0.40		
		<i>For >128 To 320, Add</i>	0.24		
09 90		Painting And Coating <small>(09)</small>			
		Note: Includes masking, safety signs, cleaning of area (dry wiping down walls, floors, doors, etc.), removal of loose paint (paint, caulk, etc.), feathering rough edges, protective work to contain dust and paint splatters (drop cloths), unless otherwise noted, removal and reinstallation of cabinet hardware, switch covers and outlet plates, equipment to place paint and ladders. New construction work additionally includes filling knots, divots, depressions, holes (screw and nail holes in drywall to 1/4" diameter of unlimited quantity). All work designated as "brush/roller" includes brush work for cut and roller work up to cut in. See CSI section 07 92 00 00-0000 for caulking where required, 09 01 20 00-0000 for severely damaged surface preparation in excess of items included above, hand scrape, pressure washing and chemical cleaning where required.			
09 91		Painting <small>(09 90)</small>			
09 91 13		Exterior Painting <small>(09 91)</small>			
		Note: Acrylic latex paint unless otherwise stated.			
09 91 13 00-0001		Paint Exterior Walls/Siding <small>(09 91 13)</small>			
09 91 13 00-0002		Paint Exterior Brick Walls <small>(09 91 13 00-0001)</small>			
09 91 13 00-0003	SF	Paint Exterior Brick Walls, 1 Coat Filler, Brush Work	0.80		
		<i>For Oil Based Paint, Add</i>	0.05		
		<i>For Work >20', Add</i>	0.17		
		<i>Note: Applied only to work area above 20'.</i>			
		<i>For Up To 100, Add</i>	0.52		
		<i>For >100 To 250, Add</i>	0.25		
		<i>For >250 To 500, Add</i>	0.11		
		<i>For >2,500 To 5,000, Deduct</i>	-0.04		
		<i>For >5,000 To 10,000, Deduct</i>	-0.08		
		<i>For >10,000 To 20,000, Deduct</i>	-0.12		
		<i>For >20,000, Deduct</i>	-0.16		
09 91 13 00-0004	SF	Paint Exterior Brick Walls, 1 Coat Paint, Brush Work	1.14		
		<i>For Oil Based Paint, Add</i>	0.06		
		<i>For Work >20', Add</i>	0.25		
		<i>Note: Applied only to work area above 20'.</i>			
		<i>For Up To 100, Add</i>	0.77		
		<i>For >100 To 250, Add</i>	0.36		
		<i>For >250 To 500, Add</i>	0.16		
		<i>For >2,500 To 5,000, Deduct</i>	-0.06		
		<i>For >5,000 To 10,000, Deduct</i>	-0.11		
		<i>For >10,000 To 20,000, Deduct</i>	-0.17		
		<i>For >20,000, Deduct</i>	-0.23		



Finishes	09	09
Painting And Coating	09 90	
Painting	09 91	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0005 SF Paint Exterior Brick Walls, 2 Coats Paint, Brush Work	1.63	
For Oil Based Paint, Add	0.10	
For Work >20', Add	0.33	
Note: Applied only to work area above 20'.		
For Up To 100, Add	1.04	
For >100 To 250, Add	0.50	
For >250 To 500, Add	0.21	
For >2,500 To 5,000, Deduct	-0.08	
For >5,000 To 10,000, Deduct	-0.16	
For >10,000 To 20,000, Deduct	-0.24	
For >20,000, Deduct	-0.33	
09 91 13 00-0006 SF Paint Exterior Brick Walls, 1 Coat Filler, Brush/Roller Work	0.52	
For Oil Based Paint, Add	0.03	
For Work >20', Add	0.10	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.31	
For >100 To 250, Add	0.15	
For >250 To 500, Add	0.07	
For >2,500 To 5,000, Deduct	-0.03	
For >5,000 To 10,000, Deduct	-0.05	
For >10,000 To 20,000, Deduct	-0.08	
For >20,000, Deduct	-0.10	
09 91 13 00-0007 SF Paint Exterior Brick Walls, 1 Coat Paint, Brush/Roller Work	0.87	
For Oil Based Paint, Add	0.05	
For Work >20', Add	0.17	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.54	
For >100 To 250, Add	0.26	
For >250 To 500, Add	0.11	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.09	
For >10,000 To 20,000, Deduct	-0.13	
For >20,000, Deduct	-0.17	
09 91 13 00-0008 SF Paint Exterior Brick Walls, 2 Coats Paint, Brush/Roller Work	1.27	
For Oil Based Paint, Add	0.08	
For Work >20', Add	0.23	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.75	
For >100 To 250, Add	0.36	
For >250 To 500, Add	0.16	
For >2,500 To 5,000, Deduct	-0.06	
For >5,000 To 10,000, Deduct	-0.13	
For >10,000 To 20,000, Deduct	-0.19	
For >20,000, Deduct	-0.25	
09 91 13 00-0009 SF Paint Exterior Brick Walls, 1 Coat Filler, Sprayed	0.50	
For Oil Based Paint, Add	0.03	
For Work >20', Add	0.09	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.29	
For >100 To 250, Add	0.14	
For >250 To 500, Add	0.06	
For >2,500 To 5,000, Deduct	-0.03	
For >5,000 To 10,000, Deduct	-0.05	
For >10,000 To 20,000, Deduct	-0.08	
For >20,000, Deduct	-0.10	
09 91 13 00-0010 SF Paint Exterior Brick Walls, 1 Coat Paint, Sprayed	0.49	
For Oil Based Paint, Add	0.04	
For Work >20', Add	0.07	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.24	
For >100 To 250, Add	0.12	
For >250 To 500, Add	0.05	
For >2,500 To 5,000, Deduct	-0.02	
For >5,000 To 10,000, Deduct	-0.05	
For >10,000 To 20,000, Deduct	-0.07	
For >20,000, Deduct	-0.10	
09 91 13 00-0011 SF Paint Exterior Brick Walls, 2 Coats Paint, Sprayed	1.08	
For Oil Based Paint, Add	0.07	
For Work >20', Add	0.18	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.59	
For >100 To 250, Add	0.29	
For >250 To 500, Add	0.13	
For >2,500 To 5,000, Deduct	-0.05	
For >5,000 To 10,000, Deduct	-0.11	
For >10,000 To 20,000, Deduct	-0.16	
For >20,000, Deduct	-0.22	

09 91 13 00-0012 Paint Exterior Concrete Walls (09 91 13 00-0001)

09	Finishes
09 90	Painting And Coating
09 91	Painting



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91	13 00-0013	SF	Paint Exterior Concrete Walls, 1 Coat Filler, Brush Work.....	0.68	
			For Oil Based Paint, Add	0.04	
			For Epoxy Paint, Add	0.07	
			For Work >20', Add	0.14	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	0.44	
			For >100 To 250, Add	0.21	
			For >250 To 500, Add	0.09	
			For >2,500 To 5,000, Deduct	-0.03	
			For >5,000 To 10,000, Deduct	-0.07	
			For >10,000 To 20,000, Deduct	-0.10	
			For >20,000, Deduct	-0.14	
09 91	13 00-0014	SF	Paint Exterior Concrete Walls, 1 Coat Paint, Brush Work.....	0.74	
			For Oil Based Paint, Add	0.04	
			For Epoxy Paint, Add	0.06	
			For Work >20', Add	0.16	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	0.50	
			For >100 To 250, Add	0.24	
			For >250 To 500, Add	0.10	
			For >2,500 To 5,000, Deduct	-0.04	
			For >5,000 To 10,000, Deduct	-0.07	
			For >10,000 To 20,000, Deduct	-0.11	
			For >20,000, Deduct	-0.15	
09 91	13 00-0015	SF	Paint Exterior Concrete Walls, 2 Coats Paint, Brush Work.....	1.38	
			For Oil Based Paint, Add	0.08	
			For Epoxy Paint, Add	0.12	
			For Work >20', Add	0.30	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	0.93	
			For >100 To 250, Add	0.44	
			For >250 To 500, Add	0.19	
			For >2,500 To 5,000, Deduct	-0.07	
			For >5,000 To 10,000, Deduct	-0.14	
			For >10,000 To 20,000, Deduct	-0.21	
			For >20,000, Deduct	-0.28	
09 91	13 00-0016	SF	Paint Exterior Concrete Walls, 1 Coat Filler, Brush/Roller Work.....	0.54	
			For Oil Based Paint, Add	0.03	
			For Epoxy Paint, Add	0.06	
			For Work >20', Add	0.11	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	0.34	
			For >100 To 250, Add	0.16	
			For >250 To 500, Add	0.07	
			For >2,500 To 5,000, Deduct	-0.03	
			For >5,000 To 10,000, Deduct	-0.05	
			For >10,000 To 20,000, Deduct	-0.08	
			For >20,000, Deduct	-0.11	
09 91	13 00-0017	SF	Paint Exterior Concrete Walls, 1 Coat Paint, Brush/Roller Work.....	0.62	
			For Oil Based Paint, Add	0.04	
			For Epoxy Paint, Add	0.06	
			For Work >20', Add	0.13	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	0.41	
			For >100 To 250, Add	0.19	
			For >250 To 500, Add	0.08	
			For >2,500 To 5,000, Deduct	-0.03	
			For >5,000 To 10,000, Deduct	-0.06	
			For >10,000 To 20,000, Deduct	-0.09	
			For >20,000, Deduct	-0.12	
09 91	13 00-0018	SF	Paint Exterior Concrete Walls, 2 Coats Paint, Brush/Roller Work.....	1.04	
			For Oil Based Paint, Add	0.06	
			For Epoxy Paint, Add	0.10	
			For Work >20', Add	0.22	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	0.68	
			For >100 To 250, Add	0.32	
			For >250 To 500, Add	0.14	
			For >2,500 To 5,000, Deduct	-0.05	
			For >5,000 To 10,000, Deduct	-0.10	
			For >10,000 To 20,000, Deduct	-0.16	
			For >20,000, Deduct	-0.21	
09 91	13 00-0019	SF	Paint Exterior Concrete Walls, 1 Coat Filler, Sprayed.....	0.46	
			For Oil Based Paint, Add	0.03	
			For Epoxy Paint, Add	0.06	
			For Work >20', Add	0.08	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	0.27	
			For >100 To 250, Add	0.13	
			For >250 To 500, Add	0.06	
			For >2,500 To 5,000, Deduct	-0.02	
			For >5,000 To 10,000, Deduct	-0.05	
			For >10,000 To 20,000, Deduct	-0.07	
			For >20,000, Deduct	-0.09	



Finishes	09	09
Painting And Coating	09 90	
Painting	09 91	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0020 SF Paint Exterior Concrete Walls, 1 Coat Paint, Sprayed.....	0.42	
For Oil Based Paint, Add	0.03	
For Epoxy Paint, Add	0.05	
For Work >20', Add	0.08	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.25	
For >100 To 250, Add	0.12	
For >250 To 500, Add	0.05	
For >2,500 To 5,000, Deduct	-0.02	
For >5,000 To 10,000, Deduct	-0.04	
For >10,000 To 20,000, Deduct	-0.06	
For >20,000, Deduct	-0.08	
09 91 13 00-0021 SF Paint Exterior Concrete Walls, 2 Coats Paint, Sprayed	0.72	
For Oil Based Paint, Add	0.05	
For Epoxy Paint, Add	0.10	
For Work >20', Add	0.13	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.41	
For >100 To 250, Add	0.20	
For >250 To 500, Add	0.09	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.07	
For >10,000 To 20,000, Deduct	-0.11	
For >20,000, Deduct	-0.14	
09 91 13 00-0022 Paint Exterior Concrete Block Walls <small>(09 91 13 00-0001)</small>		
09 91 13 00-0023 Paint Exterior Concrete Block Walls, Epoxy Paint <small>(09 91 13 00-0022)</small>		
09 91 13 00-0024 SF Paint Exterior Concrete Block Walls, 1 Coat Epoxy Filler, Brush Work	0.93	
For Work >20', Add	0.19	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.58	
For >100 To 250, Add	0.28	
For >250 To 500, Add	0.12	
For >2,500 To 5,000, Deduct	-0.05	
For >5,000 To 10,000, Deduct	-0.09	
For >10,000 To 20,000, Deduct	-0.14	
For >20,000, Deduct	-0.19	
09 91 13 00-0025 SF Paint Exterior Concrete Block Walls, 1 Coat Epoxy Paint, Brush	1.07	
For Work >20', Add	0.22	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.69	
For >100 To 250, Add	0.33	
For >250 To 500, Add	0.14	
For >2,500 To 5,000, Deduct	-0.05	
For >5,000 To 10,000, Deduct	-0.11	
For >10,000 To 20,000, Deduct	-0.16	
For >20,000, Deduct	-0.21	
09 91 13 00-0026 SF Paint Exterior Concrete Block Walls, 2 Coats Epoxy Paint, Brush Work	1.87	
For Work >20', Add	0.37	
Note: Applied only to work area above 20'.		
For Up To 100, Add	1.17	
For >100 To 250, Add	0.56	
For >250 To 500, Add	0.24	
For >2,500 To 5,000, Deduct	-0.09	
For >5,000 To 10,000, Deduct	-0.19	
For >10,000 To 20,000, Deduct	-0.28	
For >20,000, Deduct	-0.37	
09 91 13 00-0027 SF Paint Exterior Concrete Block Walls, 1 Coat Epoxy Filler, Brush/Roller Work	0.76	
For Work >20', Add	0.14	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.46	
For >100 To 250, Add	0.22	
For >250 To 500, Add	0.10	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.08	
For >10,000 To 20,000, Deduct	-0.11	
For >20,000, Deduct	-0.15	
09 91 13 00-0028 SF Paint Exterior Concrete Block Walls, 1 Coat Epoxy Paint, Brush/Roller Work	0.84	
For Work >20', Add	0.16	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.52	
For >100 To 250, Add	0.25	
For >250 To 500, Add	0.11	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.08	
For >10,000 To 20,000, Deduct	-0.13	
For >20,000, Deduct	-0.17	

09 Finishes

09 90 Painting And Coating

09 91 Painting



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0029	SF		Paint Exterior Concrete Block Walls, 2 Coats Epoxy Paint, Brush/Roller Work.....	1.49	
			For Work >20', Add	0.28	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	0.88	
			For >100 To 250, Add	0.42	
			For >250 To 500, Add	0.18	
			For >2,500 To 5,000, Deduct	-0.07	
			For >5,000 To 10,000, Deduct	-0.15	
			For >10,000 To 20,000, Deduct	-0.22	
			For >20,000, Deduct	-0.30	
09 91 13 00-0030	SF		Paint Exterior Concrete Block Walls, 1 Coat Epoxy Filler, Sprayed.....	0.59	
			For Work >20', Add	0.09	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	0.30	
			For >100 To 250, Add	0.15	
			For >250 To 500, Add	0.06	
			For >2,500 To 5,000, Deduct	-0.03	
			For >5,000 To 10,000, Deduct	-0.06	
			For >10,000 To 20,000, Deduct	-0.09	
			For >20,000, Deduct	-0.12	
09 91 13 00-0031	SF		Paint Exterior Concrete Block Walls, 1 Coat Epoxy Paint, Sprayed.....	0.66	
			For Work >20', Add	0.11	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	0.35	
			For >100 To 250, Add	0.17	
			For >250 To 500, Add	0.08	
			For >2,500 To 5,000, Deduct	-0.03	
			For >5,000 To 10,000, Deduct	-0.07	
			For >10,000 To 20,000, Deduct	-0.10	
			For >20,000, Deduct	-0.13	
09 91 13 00-0032	SF		Paint Exterior Concrete Block Walls, 2 Coats Epoxy Paint, Sprayed.....	1.25	
			For Work >20', Add	0.19	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	0.64	
			For >100 To 250, Add	0.32	
			For >250 To 500, Add	0.14	
			For >2,500 To 5,000, Deduct	-0.06	
			For >5,000 To 10,000, Deduct	-0.13	
			For >10,000 To 20,000, Deduct	-0.19	
			For >20,000, Deduct	-0.25	
09 91 13 00-0033			Paint Exterior Concrete Block Walls, Acrylic Latex Paint (09 91 13 00-0022)		
09 91 13 00-0034	SF		Paint Exterior Concrete Block Walls, 1 Coat Filler, Brush Work.....	0.87	
			For Oil Based Paint, Add	0.05	
			For Work >20', Add	0.19	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	0.57	
			For >100 To 250, Add	0.27	
			For >250 To 500, Add	0.12	
			For >2,500 To 5,000, Deduct	-0.04	
			For >5,000 To 10,000, Deduct	-0.09	
			For >10,000 To 20,000, Deduct	-0.13	
			For >20,000, Deduct	-0.17	
09 91 13 00-0035	SF		Paint Exterior Concrete Block Walls, 1 Coat Paint, Brush Work.....	1.02	
			For Oil Based Paint, Add	0.06	
			For Work >20', Add	0.21	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	0.66	
			For >100 To 250, Add	0.31	
			For >250 To 500, Add	0.14	
			For >2,500 To 5,000, Deduct	-0.05	
			For >5,000 To 10,000, Deduct	-0.10	
			For >10,000 To 20,000, Deduct	-0.15	
			For >20,000, Deduct	-0.20	
09 91 13 00-0036	SF		Paint Exterior Concrete Block Walls, 2 Coats Paint, Brush Work.....	1.86	
			For Oil Based Paint, Add	0.11	
			For Work >20', Add	0.38	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	1.19	
			For >100 To 250, Add	0.57	
			For >250 To 500, Add	0.25	
			For >2,500 To 5,000, Deduct	-0.09	
			For >5,000 To 10,000, Deduct	-0.19	
			For >10,000 To 20,000, Deduct	-0.28	
			For >20,000, Deduct	-0.37	
09 91 13 00-0037	SF		Paint Exterior Concrete Block Walls, Texture Coat, Brush Work.....	1.13	
			For Oil Based Paint, Add	0.07	
			For Work >20', Add	0.24	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	0.73	
			For >100 To 250, Add	0.35	
			For >250 To 500, Add	0.15	
			For >2,500 To 5,000, Deduct	-0.06	
			For >5,000 To 10,000, Deduct	-0.11	
			For >10,000 To 20,000, Deduct	-0.17	
			For >20,000, Deduct	-0.23	



Finishes	09	9
Painting And Coating	09 90	
Painting	09 91	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0038 SF Paint Exterior Concrete Block Walls, 1 Coat Filler, Brush/Roller Work.....	0.68	
For Oil Based Paint, Add	0.04	
For Work >20', Add	0.14	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.43	
For >100 To 250, Add	0.21	
For >250 To 500, Add	0.09	
For >2,500 To 5,000, Deduct	-0.03	
For >5,000 To 10,000, Deduct	-0.07	
For >10,000 To 20,000, Deduct	-0.10	
For >20,000, Deduct	-0.14	
09 91 13 00-0039 SF Paint Exterior Concrete Block Walls, 1 Coat Paint, Brush/Roller Work.....	0.86	
For Oil Based Paint, Add	0.05	
For Work >20', Add	0.17	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.54	
For >100 To 250, Add	0.26	
For >250 To 500, Add	0.11	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.09	
For >10,000 To 20,000, Deduct	-0.13	
For >20,000, Deduct	-0.17	
09 91 13 00-0040 SF Paint Exterior Concrete Block Walls, 2 Coats Paint, Brush/Roller Work.....	1.47	
For Oil Based Paint, Add	0.09	
For Work >20', Add	0.28	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.90	
For >100 To 250, Add	0.43	
For >250 To 500, Add	0.19	
For >2,500 To 5,000, Deduct	-0.07	
For >5,000 To 10,000, Deduct	-0.15	
For >10,000 To 20,000, Deduct	-0.22	
For >20,000, Deduct	-0.29	
09 91 13 00-0041 SF Paint Exterior Concrete Block Walls, Texture Coat, Brush/Roller Work.....	0.97	
For Oil Based Paint, Add	0.06	
For Work >20', Add	0.20	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.61	
For >100 To 250, Add	0.29	
For >250 To 500, Add	0.13	
For >2,500 To 5,000, Deduct	-0.05	
For >5,000 To 10,000, Deduct	-0.10	
For >10,000 To 20,000, Deduct	-0.15	
For >20,000, Deduct	-0.19	
09 91 13 00-0042 SF Paint Exterior Concrete Block Walls, 1 Coat Filler, Sprayed.....	0.64	
For Oil Based Paint, Add	0.04	
For Work >20', Add	0.12	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.38	
For >100 To 250, Add	0.18	
For >250 To 500, Add	0.08	
For >2,500 To 5,000, Deduct	-0.03	
For >5,000 To 10,000, Deduct	-0.06	
For >10,000 To 20,000, Deduct	-0.10	
For >20,000, Deduct	-0.13	
09 91 13 00-0043 SF Paint Exterior Concrete Block Walls, 1 Coat Paint, Sprayed.....	0.66	
For Oil Based Paint, Add	0.04	
For Work >20', Add	0.11	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.37	
For >100 To 250, Add	0.18	
For >250 To 500, Add	0.08	
For >2,500 To 5,000, Deduct	-0.03	
For >5,000 To 10,000, Deduct	-0.07	
For >10,000 To 20,000, Deduct	-0.10	
For >20,000, Deduct	-0.13	
09 91 13 00-0044 SF Paint Exterior Concrete Block Walls, 2 Coats Paint, Sprayed.....	1.06	
For Oil Based Paint, Add	0.07	
For Work >20', Add	0.20	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.64	
For >100 To 250, Add	0.31	
For >250 To 500, Add	0.13	
For >2,500 To 5,000, Deduct	-0.05	
For >5,000 To 10,000, Deduct	-0.11	
For >10,000 To 20,000, Deduct	-0.16	
For >20,000, Deduct	-0.21	

09	Finishes
09 90	Painting And Coating
09 91	Painting



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0045 SF Paint Exterior Concrete Block Walls, Texture Coat, Sprayed	0.86	
For Oil Based Paint, Add	0.06	
For Work >20', Add	0.15	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.49	
For >100 To 250, Add	0.24	
For >250 To 500, Add	0.10	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.09	
For >10,000 To 20,000, Deduct	-0.13	
For >20,000, Deduct	-0.17	
09 91 13 00-0046 Paint Exterior Drywall/Plaster Walls (09 91 13 00-0001)		
09 91 13 00-0047 SF Paint Exterior Drywall/Plaster Walls, 1 Coat Primer, Brush Work	0.70	
For Oil Based Paint, Add	0.04	
For Orange Peel Finish, Add	0.10	
For Work >20', Add	0.15	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.46	
For >100 To 250, Add	0.22	
For >250 To 500, Add	0.09	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.07	
For >10,000 To 20,000, Deduct	-0.11	
For >20,000, Deduct	-0.14	
09 91 13 00-0048 SF Paint Exterior Drywall/Plaster Walls, 1 Coat Paint, Brush Work	0.77	
For Oil Based Paint, Add	0.04	
For Orange Peel Finish, Add	0.11	
For Work >20', Add	0.17	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.52	
For >100 To 250, Add	0.25	
For >250 To 500, Add	0.11	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.08	
For >10,000 To 20,000, Deduct	-0.12	
For >20,000, Deduct	-0.15	
09 91 13 00-0049 SF Paint Exterior Drywall/Plaster Walls, 2 Coats Paint, Brush Work.....	1.39	
For Oil Based Paint, Add	0.08	
For Orange Peel Finish, Add	0.20	
For Work >20', Add	0.31	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.94	
For >100 To 250, Add	0.44	
For >250 To 500, Add	0.19	
For >2,500 To 5,000, Deduct	-0.07	
For >5,000 To 10,000, Deduct	-0.14	
For >10,000 To 20,000, Deduct	-0.21	
For >20,000, Deduct	-0.28	
09 91 13 00-0050 SF Paint Exterior Drywall/Plaster Walls, 1 Coat Primer, Brush/Roller Work.....	0.54	
For Oil Based Paint, Add	0.03	
For Orange Peel Finish, Add	0.07	
For Work >20', Add	0.11	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.34	
For >100 To 250, Add	0.16	
For >250 To 500, Add	0.07	
For >2,500 To 5,000, Deduct	-0.03	
For >5,000 To 10,000, Deduct	-0.05	
For >10,000 To 20,000, Deduct	-0.08	
For >20,000, Deduct	-0.11	
09 91 13 00-0051 SF Paint Exterior Drywall/Plaster Walls, 1 Coat Paint, Brush/Roller Work	0.56	
For Oil Based Paint, Add	0.03	
For Orange Peel Finish, Add	0.08	
For Work >20', Add	0.12	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.37	
For >100 To 250, Add	0.17	
For >250 To 500, Add	0.08	
For >2,500 To 5,000, Deduct	-0.03	
For >5,000 To 10,000, Deduct	-0.06	
For >10,000 To 20,000, Deduct	-0.08	
For >20,000, Deduct	-0.11	
09 91 13 00-0052 SF Paint Exterior Drywall/Plaster Walls, 2 Coats Paint, Brush/Roller Work	1.02	
For Oil Based Paint, Add	0.06	
For Orange Peel Finish, Add	0.14	
For Work >20', Add	0.21	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.66	
For >100 To 250, Add	0.31	
For >250 To 500, Add	0.14	
For >2,500 To 5,000, Deduct	-0.05	
For >5,000 To 10,000, Deduct	-0.10	
For >10,000 To 20,000, Deduct	-0.15	
For >20,000, Deduct	-0.20	



Finishes	09	9
Painting And Coating	09 90	
Painting	09 91	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0053 SF Paint Exterior Drywall/Plaster Walls, 1 Coat Primer, Sprayed	0.46	
For Oil Based Paint, Add	0.03	
For Work >20', Add	0.08	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.27	
For >100 To 250, Add	0.13	
For >250 To 500, Add	0.06	
For >2,500 To 5,000, Deduct	-0.02	
For >5,000 To 10,000, Deduct	-0.05	
For >10,000 To 20,000, Deduct	-0.07	
For >20,000, Deduct	-0.09	
09 91 13 00-0054 SF Paint Exterior Drywall/Plaster Walls, 1 Coat Paint, Sprayed.....	0.51	
For Oil Based Paint, Add	0.03	
For Work >20', Add	0.10	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.32	
For >100 To 250, Add	0.15	
For >250 To 500, Add	0.07	
For >2,500 To 5,000, Deduct	-0.03	
For >5,000 To 10,000, Deduct	-0.05	
For >10,000 To 20,000, Deduct	-0.08	
For >20,000, Deduct	-0.10	
09 91 13 00-0055 SF Paint Exterior Drywall/Plaster Walls, 2 Coats Paint, Sprayed.....	0.80	
For Oil Based Paint, Add	0.05	
For Work >20', Add	0.15	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.47	
For >100 To 250, Add	0.23	
For >250 To 500, Add	0.10	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.08	
For >10,000 To 20,000, Deduct	-0.12	
For >20,000, Deduct	-0.16	
09 91 13 00-0056 Paint Exterior Metal Walls (09 91 13 00-0001)		
09 91 13 00-0057 Paint Exterior Galvanized Walls (09 91 13 00-0056)		
Note: Linseed oil or acrylic latex paint.		
09 91 13 00-0058 SF Paint Exterior Galvanized Wall Surfaces, 1 Coat Primer, Brush Work.....	0.82	
For Work >20', Add	0.17	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.53	
For >100 To 250, Add	0.25	
For >250 To 500, Add	0.11	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.08	
For >10,000 To 20,000, Deduct	-0.12	
For >20,000, Deduct	-0.16	
09 91 13 00-0059 SF Paint Exterior Galvanized Wall Surfaces, 1 Coat Paint, Brush Work.....	0.91	
For Work >20', Add	0.19	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.59	
For >100 To 250, Add	0.28	
For >250 To 500, Add	0.12	
For >2,500 To 5,000, Deduct	-0.05	
For >5,000 To 10,000, Deduct	-0.09	
For >10,000 To 20,000, Deduct	-0.14	
For >20,000, Deduct	-0.18	
09 91 13 00-0060 SF Paint Exterior Galvanized Wall Surfaces, 2 Coats Paint, Brush Work.....	1.63	
For Work >20', Add	0.33	
Note: Applied only to work area above 20'.		
For Up To 100, Add	1.04	
For >100 To 250, Add	0.50	
For >250 To 500, Add	0.21	
For >2,500 To 5,000, Deduct	-0.08	
For >5,000 To 10,000, Deduct	-0.16	
For >10,000 To 20,000, Deduct	-0.24	
For >20,000, Deduct	-0.33	
09 91 13 00-0061 SF Paint Exterior Galvanized Walls, 1 Coat Primer, Brush/Roller Work.....	0.60	
For Work >20', Add	0.12	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.38	
For >100 To 250, Add	0.18	
For >250 To 500, Add	0.08	
For >2,500 To 5,000, Deduct	-0.03	
For >5,000 To 10,000, Deduct	-0.06	
For >10,000 To 20,000, Deduct	-0.09	
For >20,000, Deduct	-0.12	

09 Finishes

09 90 Painting And Coating

09 91 Painting



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0062	SF		Paint Exterior Galvanized Walls, 1 Coat Paint, Brush/Roller Work.....	0.70	
			For Work >20', Add	0.14	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	0.45	
			For >100 To 250, Add	0.21	
			For >250 To 500, Add	0.09	
			For >2,500 To 5,000, Deduct	-0.04	
			For >5,000 To 10,000, Deduct	-0.07	
			For >10,000 To 20,000, Deduct	-0.11	
			For >20,000, Deduct	-0.14	
09 91 13 00-0063	SF		Paint Exterior Galvanized Walls, 2 Coats Paint, Brush/Roller Work	1.30	
			For Work >20', Add	0.26	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	0.82	
			For >100 To 250, Add	0.39	
			For >250 To 500, Add	0.17	
			For >2,500 To 5,000, Deduct	-0.07	
			For >5,000 To 10,000, Deduct	-0.13	
			For >10,000 To 20,000, Deduct	-0.20	
			For >20,000, Deduct	-0.26	
09 91 13 00-0064	SF		Paint Exterior Galvanized Walls, 1 Coat Primer, Sprayed	0.46	
			For Work >20', Add	0.07	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	0.24	
			For >100 To 250, Add	0.12	
			For >250 To 500, Add	0.05	
			For >2,500 To 5,000, Deduct	-0.02	
			For >5,000 To 10,000, Deduct	-0.05	
			For >10,000 To 20,000, Deduct	-0.07	
			For >20,000, Deduct	-0.09	
09 91 13 00-0065	SF		Paint Exterior Galvanized Walls, 1 Coat Paint, Sprayed.....	0.64	
			For Work >20', Add	0.12	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	0.38	
			For >100 To 250, Add	0.18	
			For >250 To 500, Add	0.08	
			For >2,500 To 5,000, Deduct	-0.03	
			For >5,000 To 10,000, Deduct	-0.06	
			For >10,000 To 20,000, Deduct	-0.10	
			For >20,000, Deduct	-0.13	
09 91 13 00-0066	SF		Paint Exterior Galvanized Walls, 2 Coats Paint, Sprayed.....	1.05	
			For Work >20', Add	0.18	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	0.58	
			For >100 To 250, Add	0.28	
			For >250 To 500, Add	0.12	
			For >2,500 To 5,000, Deduct	-0.05	
			For >5,000 To 10,000, Deduct	-0.11	
			For >10,000 To 20,000, Deduct	-0.16	
			For >20,000, Deduct	-0.21	
09 91 13 00-0067			Paint Exterior Aluminum And Aluminum Alloy Walls (09 91 13 00-0066)		
			Note: Alkyd enamel paint.		
09 91 13 00-0068	SF		Paint Exterior Aluminum And Aluminum Alloy Wall Surfaces, 1 Coat Primer, Brush Work.....	0.82	
			For Work >20', Add	0.17	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	0.53	
			For >100 To 250, Add	0.25	
			For >250 To 500, Add	0.11	
			For >2,500 To 5,000, Deduct	-0.04	
			For >5,000 To 10,000, Deduct	-0.08	
			For >10,000 To 20,000, Deduct	-0.12	
			For >20,000, Deduct	-0.16	
09 91 13 00-0069	SF		Paint Exterior Aluminum And Aluminum Alloy Wall Surfaces, 1 Coat Paint, Brush Work	0.91	
			For Work >20', Add	0.19	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	0.59	
			For >100 To 250, Add	0.28	
			For >250 To 500, Add	0.12	
			For >2,500 To 5,000, Deduct	-0.05	
			For >5,000 To 10,000, Deduct	-0.09	
			For >10,000 To 20,000, Deduct	-0.14	
			For >20,000, Deduct	-0.18	
09 91 13 00-0070	SF		Paint Exterior Aluminum And Aluminum Alloy Wall Surfaces, 2 Coats Paint, Brush Work	1.63	
			For Work >20', Add	0.33	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	1.04	
			For >100 To 250, Add	0.50	
			For >250 To 500, Add	0.21	
			For >2,500 To 5,000, Deduct	-0.08	
			For >5,000 To 10,000, Deduct	-0.16	
			For >10,000 To 20,000, Deduct	-0.24	
			For >20,000, Deduct	-0.33	



Finishes	09	09
Painting And Coating	09 90	
Painting	09 91	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0071 SF Paint Exterior Aluminum And Aluminum Alloy Walls, 1 Coat Primer, Brush/Roller Work.....	0.65	
For Work >20', Add	0.12	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.39	
For >100 To 250, Add	0.19	
For >250 To 500, Add	0.08	
For >2,500 To 5,000, Deduct	-0.03	
For >5,000 To 10,000, Deduct	-0.07	
For >10,000 To 20,000, Deduct	-0.10	
For >20,000, Deduct	-0.13	
09 91 13 00-0072 SF Paint Exterior Aluminum And Aluminum Alloy Walls, 1 Coat Paint, Brush/Roller Work.....	0.74	
For Work >20', Add	0.14	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.45	
For >100 To 250, Add	0.22	
For >250 To 500, Add	0.09	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.07	
For >10,000 To 20,000, Deduct	-0.11	
For >20,000, Deduct	-0.15	
09 91 13 00-0073 SF Paint Exterior Aluminum And Aluminum Alloy Walls, 2 Coats Paint, Brush/Roller Work.....	1.38	
For Work >20', Add	0.26	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.83	
For >100 To 250, Add	0.40	
For >250 To 500, Add	0.17	
For >2,500 To 5,000, Deduct	-0.07	
For >5,000 To 10,000, Deduct	-0.14	
For >10,000 To 20,000, Deduct	-0.21	
For >20,000, Deduct	-0.28	
09 91 13 00-0074 SF Paint Exterior Aluminum And Aluminum Alloy Walls, 1 Coat Primer, Sprayed.....	0.52	
For Work >20', Add	0.09	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.29	
For >100 To 250, Add	0.14	
For >250 To 500, Add	0.06	
For >2,500 To 5,000, Deduct	-0.03	
For >5,000 To 10,000, Deduct	-0.05	
For >10,000 To 20,000, Deduct	-0.08	
For >20,000, Deduct	-0.10	
09 91 13 00-0075 SF Paint Exterior Aluminum And Aluminum Alloy Walls, 1 Coat Paint, Sprayed.....	0.64	
For Work >20', Add	0.12	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.38	
For >100 To 250, Add	0.18	
For >250 To 500, Add	0.08	
For >2,500 To 5,000, Deduct	-0.03	
For >5,000 To 10,000, Deduct	-0.06	
For >10,000 To 20,000, Deduct	-0.10	
For >20,000, Deduct	-0.13	
09 91 13 00-0076 SF Paint Exterior Aluminum And Aluminum Alloy Walls, 2 Coats Paint, Sprayed.....	1.05	
For Work >20', Add	0.18	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.58	
For >100 To 250, Add	0.28	
For >250 To 500, Add	0.12	
For >2,500 To 5,000, Deduct	-0.05	
For >5,000 To 10,000, Deduct	-0.11	
For >10,000 To 20,000, Deduct	-0.16	
For >20,000, Deduct	-0.21	
09 91 13 00-0077 Paint Exterior Aluminum And Aluminum Alloy Roof Stacks (09 91 13 00-0056)		
09 91 13 00-0078 LF Paint Exterior Aluminum And Aluminum Alloy Roof Stack With Heat Resistant Paint, 1 Coat Primer, Per LF Of Stack.....	11.38	
For Work >20', Add	2.63	
Note: Applied only to work area above 20'.		
For Up To 100, Add	8.02	
For >100 To 250, Add	3.77	
For >250 To 500, Add	1.62	
For >2,500 To 5,000, Deduct	-0.57	
For >5,000 To 10,000, Deduct	-1.14	
For >10,000 To 20,000, Deduct	-1.71	
For >20,000, Deduct	-2.28	
09 91 13 00-0079 LF Paint Exterior Aluminum And Aluminum Alloy Roof Stack With Heat Resistant Paint, 1 Coat Paint, Per LF Of Stack.....	12.66	
For Work >20', Add	2.92	
Note: Applied only to work area above 20'.		
For Up To 100, Add	8.91	
For >100 To 250, Add	4.19	
For >250 To 500, Add	1.80	
For >2,500 To 5,000, Deduct	-0.63	
For >5,000 To 10,000, Deduct	-1.27	
For >10,000 To 20,000, Deduct	-1.90	
For >20,000, Deduct	-2.53	

09 Finishes

09 90 Painting And Coating

09 91 Painting



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0080	LF		Paint Exterior Aluminum And Aluminum Alloy Roof Stack With Heat Resistant Paint, 2 Coats Paint, Per LF Of Stack.....	23.70	
			For Work >20', Add	5.50	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	16.74	
			For >100 To 250, Add	7.87	
			For >250 To 500, Add	3.38	
			For >2,500 To 5,000, Deduct	-1.19	
			For >5,000 To 10,000, Deduct	-2.37	
			For >10,000 To 20,000, Deduct	-3.56	
			For >20,000, Deduct	-4.74	
09 91 13 00-0081			Paint Exterior Corrugated Metal Walls (09 91 13 00-0056).....	0.59	
09 91 13 00-0082	SF		Paint Exterior Corrugated Metal Walls, 1 Coat Primer, Sprayed.....	0.59	
			For Work >20', Add	0.10	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	0.32	
			For >100 To 250, Add	0.16	
			For >250 To 500, Add	0.07	
			For >2,500 To 5,000, Deduct	-0.03	
			For >5,000 To 10,000, Deduct	-0.06	
			For >10,000 To 20,000, Deduct	-0.09	
			For >20,000, Deduct	-0.12	
09 91 13 00-0083	SF		Paint Exterior Corrugated Metal Walls, 1 Coat Paint, Sprayed.....	0.83	
			For Work >20', Add	0.16	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	0.50	
			For >100 To 250, Add	0.24	
			For >250 To 500, Add	0.10	
			For >2,500 To 5,000, Deduct	-0.04	
			For >5,000 To 10,000, Deduct	-0.08	
			For >10,000 To 20,000, Deduct	-0.12	
			For >20,000, Deduct	-0.17	
09 91 13 00-0084	SF		Paint Exterior Corrugated Metal Walls, 2 Coats Paint, Sprayed.....	1.33	
			For Work >20', Add	0.24	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	0.76	
			For >100 To 250, Add	0.37	
			For >250 To 500, Add	0.16	
			For >2,500 To 5,000, Deduct	-0.07	
			For >5,000 To 10,000, Deduct	-0.13	
			For >10,000 To 20,000, Deduct	-0.20	
			For >20,000, Deduct	-0.27	
09 91 13 00-0085			Paint Exterior Stucco Walls (09 91 13 00-0001).....	1.17	
09 91 13 00-0086	SF		Paint Exterior Stucco Wall Surfaces 1 Coat Primer, Brush Work.....	1.17	
			For Oil Based Paint, Add	0.07	
			For Work >20', Add	0.26	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	0.80	
			For >100 To 250, Add	0.38	
			For >250 To 500, Add	0.16	
			For >2,500 To 5,000, Deduct	-0.06	
			For >5,000 To 10,000, Deduct	-0.12	
			For >10,000 To 20,000, Deduct	-0.18	
			For >20,000, Deduct	-0.23	
09 91 13 00-0087	SF		Paint Exterior Stucco Wall Surfaces 1 Coat Paint, Brush Work.....	1.28	
			For Oil Based Paint, Add	0.07	
			For Work >20', Add	0.28	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	0.87	
			For >100 To 250, Add	0.41	
			For >250 To 500, Add	0.18	
			For >2,500 To 5,000, Deduct	-0.06	
			For >5,000 To 10,000, Deduct	-0.13	
			For >10,000 To 20,000, Deduct	-0.19	
			For >20,000, Deduct	-0.26	
09 91 13 00-0088	SF		Paint Exterior Stucco Wall Surfaces, 2 Coats Paint, Brush Work.....	2.38	
			For Oil Based Paint, Add	0.13	
			For Work >20', Add	0.52	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	1.61	
			For >100 To 250, Add	0.76	
			For >250 To 500, Add	0.33	
			For >2,500 To 5,000, Deduct	-0.12	
			For >5,000 To 10,000, Deduct	-0.24	
			For >10,000 To 20,000, Deduct	-0.36	
			For >20,000, Deduct	-0.48	



Finishes	09	
Painting And Coating	09 90	09
Painting	09 91	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0089 SF Paint Exterior Stucco Walls, 1 Coat Primer, Brush/Roller Work.....	0.88	
For Oil Based Paint, Add	0.05	
For Work >20', Add	0.19	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.58	
For >100 To 250, Add	0.28	
For >250 To 500, Add	0.12	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.09	
For >10,000 To 20,000, Deduct	-0.13	
For >20,000, Deduct	-0.18	
09 91 13 00-0090 SF Paint Exterior Stucco Walls, 1 Coat Paint, Brush/Roller Work.....	1.00	
For Oil Based Paint, Add	0.06	
For Work >20', Add	0.21	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.66	
For >100 To 250, Add	0.31	
For >250 To 500, Add	0.14	
For >2,500 To 5,000, Deduct	-0.05	
For >5,000 To 10,000, Deduct	-0.10	
For >10,000 To 20,000, Deduct	-0.15	
For >20,000, Deduct	-0.20	
09 91 13 00-0091 SF Paint Exterior Stucco Walls, 2 Coats Paint, Brush/Roller Work.....	1.82	
For Oil Based Paint, Add	0.11	
For Work >20', Add	0.38	
Note: Applied only to work area above 20'.		
For Up To 100, Add	1.19	
For >100 To 250, Add	0.56	
For >250 To 500, Add	0.24	
For >2,500 To 5,000, Deduct	-0.09	
For >5,000 To 10,000, Deduct	-0.18	
For >10,000 To 20,000, Deduct	-0.27	
For >20,000, Deduct	-0.36	
09 91 13 00-0092 SF Paint Exterior Stucco Walls, 1 Coat Primer, Sprayed.....	0.65	
For Oil Based Paint, Add	0.04	
For Work >20', Add	0.13	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.40	
For >100 To 250, Add	0.19	
For >250 To 500, Add	0.08	
For >2,500 To 5,000, Deduct	-0.03	
For >5,000 To 10,000, Deduct	-0.07	
For >10,000 To 20,000, Deduct	-0.10	
For >20,000, Deduct	-0.13	
09 91 13 00-0093 SF Paint Exterior Stucco Walls, 1 Coat Paint, Sprayed.....	0.78	
For Oil Based Paint, Add	0.05	
For Work >20', Add	0.15	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.47	
For >100 To 250, Add	0.23	
For >250 To 500, Add	0.10	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.08	
For >10,000 To 20,000, Deduct	-0.12	
For >20,000, Deduct	-0.16	
09 91 13 00-0094 SF Paint Exterior Stucco Walls, 2 Coats Paint, Sprayed.....	1.52	
For Oil Based Paint, Add	0.09	
For Work >20', Add	0.30	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.94	
For >100 To 250, Add	0.45	
For >250 To 500, Add	0.19	
For >2,500 To 5,000, Deduct	-0.08	
For >5,000 To 10,000, Deduct	-0.15	
For >10,000 To 20,000, Deduct	-0.23	
For >20,000, Deduct	-0.30	
09 91 13 00-0095 Paint Exterior Wood Siding (09 91 13 00-0001)		
09 91 13 00-0096 Paint Exterior Smooth Wood Siding (09 91 13 00-0095)		
Note: Includes tongue and groove, beveled, drop or board and batten siding.		
09 91 13 00-0097 SF Paint Exterior Wood Smooth Siding, 1 Coat Primer, Brush Work.....	0.84	
For Oil Based Paint, Add	0.05	
For Work >20', Add	0.17	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.54	
For >100 To 250, Add	0.26	
For >250 To 500, Add	0.11	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.08	
For >10,000 To 20,000, Deduct	-0.13	
For >20,000, Deduct	-0.17	

09	Finishes
09 90	Painting And Coating
09 91	Painting



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91	13 00-0098	SF	Paint Exterior Wood Smooth Siding, 1 Coat Paint, Brush Work	0.89	
			For Oil Based Paint, Add	0.05	
			For Work >20', Add	0.19	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	0.59	
			For >100 To 250, Add	0.28	
			For >250 To 500, Add	0.12	
			For >2,500 To 5,000, Deduct	-0.04	
			For >5,000 To 10,000, Deduct	-0.09	
			For >10,000 To 20,000, Deduct	-0.13	
			For >20,000, Deduct	-0.18	
09 91	13 00-0099	SF	Paint Exterior Wood Smooth Siding, 2 Coats Paint, Brush Work.....	1.59	
			For Oil Based Paint, Add	0.09	
			For Work >20', Add	0.33	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	1.04	
			For >100 To 250, Add	0.49	
			For >250 To 500, Add	0.21	
			For >2,500 To 5,000, Deduct	-0.08	
			For >5,000 To 10,000, Deduct	-0.16	
			For >10,000 To 20,000, Deduct	-0.24	
			For >20,000, Deduct	-0.32	
09 91	13 00-0100	SF	Paint Exterior Smooth Wood Siding, 1 Coat Primer, Brush/Roller Work.....	0.65	
			For Oil Based Paint, Add	0.04	
			For Work >20', Add	0.12	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	0.39	
			For >100 To 250, Add	0.19	
			For >250 To 500, Add	0.08	
			For >2,500 To 5,000, Deduct	-0.03	
			For >5,000 To 10,000, Deduct	-0.07	
			For >10,000 To 20,000, Deduct	-0.10	
			For >20,000, Deduct	-0.13	
09 91	13 00-0101	SF	Paint Exterior Smooth Wood Siding, 1 Coat Paint, Brush/Roller Work	0.72	
			For Oil Based Paint, Add	0.04	
			For Work >20', Add	0.14	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	0.45	
			For >100 To 250, Add	0.21	
			For >250 To 500, Add	0.09	
			For >2,500 To 5,000, Deduct	-0.04	
			For >5,000 To 10,000, Deduct	-0.07	
			For >10,000 To 20,000, Deduct	-0.11	
			For >20,000, Deduct	-0.14	
09 91	13 00-0102	SF	Paint Exterior Smooth Wood Siding, 2 Coats Paint, Brush/Roller Work	1.34	
			For Oil Based Paint, Add	0.08	
			For Work >20', Add	0.26	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	0.83	
			For >100 To 250, Add	0.39	
			For >250 To 500, Add	0.17	
			For >2,500 To 5,000, Deduct	-0.07	
			For >5,000 To 10,000, Deduct	-0.13	
			For >10,000 To 20,000, Deduct	-0.20	
			For >20,000, Deduct	-0.27	
09 91	13 00-0103	SF	Paint Exterior Smooth Wood Siding, 1 Coat Primer, Sprayed	0.52	
			For Oil Based Paint, Add	0.03	
			For Work >20', Add	0.09	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	0.29	
			For >100 To 250, Add	0.14	
			For >250 To 500, Add	0.06	
			For >2,500 To 5,000, Deduct	-0.03	
			For >5,000 To 10,000, Deduct	-0.05	
			For >10,000 To 20,000, Deduct	-0.08	
			For >20,000, Deduct	-0.10	
09 91	13 00-0104	SF	Paint Exterior Smooth Wood Siding, 1 Coat Paint, Sprayed.....	0.64	
			For Oil Based Paint, Add	0.04	
			For Work >20', Add	0.12	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	0.38	
			For >100 To 250, Add	0.18	
			For >250 To 500, Add	0.08	
			For >2,500 To 5,000, Deduct	-0.03	
			For >5,000 To 10,000, Deduct	-0.06	
			For >10,000 To 20,000, Deduct	-0.10	
			For >20,000, Deduct	-0.13	



Finishes	09	9
Painting And Coating	09 90	
Painting	09 91	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0105 SF Paint Exterior Smooth Wood Siding, 2 Coats Paint, Sprayed.....	1.03	
For Oil Based Paint, Add	0.07	
For Work >20', Add	0.18	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.58	
For >100 To 250, Add	0.28	
For >250 To 500, Add	0.12	
For >2,500 To 5,000, Deduct	-0.05	
For >5,000 To 10,000, Deduct	-0.10	
For >10,000 To 20,000, Deduct	-0.15	
For >20,000, Deduct	-0.21	
09 91 13 00-0106 Paint Exterior Rough Wood Siding (09 91 13 00-0095)		
Note: Includes shingles, shakes or rough sawn siding.		
09 91 13 00-0107 SF Paint Exterior Wood Rough (Shingles, Shakes Or Rough Sawn) Siding, 1 Coat Primer, Brush Work	1.31	
For Oil Based Paint, Add	0.07	
For Work >20', Add	0.29	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.88	
For >100 To 250, Add	0.42	
For >250 To 500, Add	0.18	
For >2,500 To 5,000, Deduct	-0.07	
For >5,000 To 10,000, Deduct	-0.13	
For >10,000 To 20,000, Deduct	-0.20	
For >20,000, Deduct	-0.26	
09 91 13 00-0108 SF Paint Exterior Wood Rough (Shingles, Shakes Or Rough Sawn) Siding, 1 Coat Paint, Brush Work.....	1.32	
For Oil Based Paint, Add	0.07	
For Work >20', Add	0.30	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.91	
For >100 To 250, Add	0.43	
For >250 To 500, Add	0.19	
For >2,500 To 5,000, Deduct	-0.07	
For >5,000 To 10,000, Deduct	-0.13	
For >10,000 To 20,000, Deduct	-0.20	
For >20,000, Deduct	-0.26	
09 91 13 00-0109 SF Paint Exterior Wood Rough (Shingles, Shakes Or Rough Sawn) Siding, 2 Coats Paint, Brush Work	2.44	
For Oil Based Paint, Add	0.14	
For Work >20', Add	0.55	
Note: Applied only to work area above 20'.		
For Up To 100, Add	1.67	
For >100 To 250, Add	0.79	
For >250 To 500, Add	0.34	
For >2,500 To 5,000, Deduct	-0.12	
For >5,000 To 10,000, Deduct	-0.24	
For >10,000 To 20,000, Deduct	-0.37	
For >20,000, Deduct	-0.49	
09 91 13 00-0110 SF Paint Exterior Rough Wood Siding (Shingles, Shakes Or Rough Sawn), 1 Coat Primer, Brush/Roller Work	1.13	
For Oil Based Paint, Add	0.07	
For Work >20', Add	0.21	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.68	
For >100 To 250, Add	0.33	
For >250 To 500, Add	0.14	
For >2,500 To 5,000, Deduct	-0.06	
For >5,000 To 10,000, Deduct	-0.11	
For >10,000 To 20,000, Deduct	-0.17	
For >20,000, Deduct	-0.23	
09 91 13 00-0111 SF Paint Exterior Rough Wood Siding (Shingles, Shakes Or Rough Sawn), 1 Coat Paint, Brush/Roller Work	1.22	
For Oil Based Paint, Add	0.08	
For Work >20', Add	0.24	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.75	
For >100 To 250, Add	0.36	
For >250 To 500, Add	0.16	
For >2,500 To 5,000, Deduct	-0.06	
For >5,000 To 10,000, Deduct	-0.12	
For >10,000 To 20,000, Deduct	-0.18	
For >20,000, Deduct	-0.24	
09 91 13 00-0112 SF Paint Exterior Rough Wood Siding (Shingles, Shakes Or Rough Sawn), 2 Coats Paint, Brush/Roller Work	2.26	
For Oil Based Paint, Add	0.14	
For Work >20', Add	0.43	
Note: Applied only to work area above 20'.		
For Up To 100, Add	1.36	
For >100 To 250, Add	0.65	
For >250 To 500, Add	0.28	
For >2,500 To 5,000, Deduct	-0.11	
For >5,000 To 10,000, Deduct	-0.23	
For >10,000 To 20,000, Deduct	-0.34	
For >20,000, Deduct	-0.45	

09 Finishes

09 90 Painting And Coating

09 91 Painting



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0113	SF		Paint Exterior Rough Wood Siding (Shingles, Shakes Or Rough Sawn), 1 Coat Primer, Sprayed.....	0.83	
			For Oil Based Paint, Add	0.05	
			For Work >20', Add	0.15	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	0.48	
			For >100 To 250, Add	0.23	
			For >250 To 500, Add	0.10	
			For >2,500 To 5,000, Deduct	-0.04	
			For >5,000 To 10,000, Deduct	-0.08	
			For >10,000 To 20,000, Deduct	-0.12	
			For >20,000, Deduct	-0.17	
09 91 13 00-0114	SF		Paint Exterior Rough Wood Siding (Shingles, Shakes Or Rough Sawn), 1 Coat Paint, Sprayed.....	0.95	
			For Oil Based Paint, Add	0.06	
			For Work >20', Add	0.18	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	0.57	
			For >100 To 250, Add	0.27	
			For >250 To 500, Add	0.12	
			For >2,500 To 5,000, Deduct	-0.05	
			For >5,000 To 10,000, Deduct	-0.10	
			For >10,000 To 20,000, Deduct	-0.14	
			For >20,000, Deduct	-0.19	
09 91 13 00-0115	SF		Paint Exterior Rough Wood Siding (Shingles, Shakes Or Rough Sawn), 2 Coats Paint, Sprayed.....	1.76	
			For Oil Based Paint, Add	0.11	
			For Work >20', Add	0.32	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	1.04	
			For >100 To 250, Add	0.50	
			For >250 To 500, Add	0.22	
			For >2,500 To 5,000, Deduct	-0.09	
			For >5,000 To 10,000, Deduct	-0.18	
			For >10,000 To 20,000, Deduct	-0.26	
			For >20,000, Deduct	-0.35	
09 91 13 00-0116			Paint Exterior Vinyl Siding (09 91 13 00-0001)		
09 91 13 00-0117	SF		Paint Exterior Vinyl Siding, 1 Coat Primer, Brush Work.....	0.72	
			For Oil Based Paint, Add	0.04	
			For Work >20', Add	0.14	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	0.45	
			For >100 To 250, Add	0.21	
			For >250 To 500, Add	0.09	
			For >2,500 To 5,000, Deduct	-0.04	
			For >5,000 To 10,000, Deduct	-0.07	
			For >10,000 To 20,000, Deduct	-0.11	
			For >20,000, Deduct	-0.14	
09 91 13 00-0118	SF		Paint Exterior Vinyl Siding, 1 Coat Paint, Brush Work.....	0.80	
			For Oil Based Paint, Add	0.05	
			For Work >20', Add	0.16	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	0.51	
			For >100 To 250, Add	0.24	
			For >250 To 500, Add	0.11	
			For >2,500 To 5,000, Deduct	-0.04	
			For >5,000 To 10,000, Deduct	-0.08	
			For >10,000 To 20,000, Deduct	-0.12	
			For >20,000, Deduct	-0.16	
09 91 13 00-0119	SF		Paint Exterior Vinyl Siding, 2 Coats Paint, Brush Work.....	1.45	
			For Oil Based Paint, Add	0.09	
			For Work >20', Add	0.28	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	0.90	
			For >100 To 250, Add	0.43	
			For >250 To 500, Add	0.19	
			For >2,500 To 5,000, Deduct	-0.07	
			For >5,000 To 10,000, Deduct	-0.15	
			For >10,000 To 20,000, Deduct	-0.22	
			For >20,000, Deduct	-0.29	
09 91 13 00-0120	SF		Paint Exterior Vinyl Siding, 1 Coat Primer, Brush/Roller Work.....	0.65	
			For Oil Based Paint, Add	0.04	
			For Work >20', Add	0.12	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	0.39	
			For >100 To 250, Add	0.19	
			For >250 To 500, Add	0.08	
			For >2,500 To 5,000, Deduct	-0.03	
			For >5,000 To 10,000, Deduct	-0.07	
			For >10,000 To 20,000, Deduct	-0.10	
			For >20,000, Deduct	-0.13	



Finishes	09	9
Painting And Coating	09 90	
Painting	09 91	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0121 SF Paint Exterior Vinyl Siding, 1 Coat Paint, Brush/Roller Work.....	0.65	
For Oil Based Paint, Add	0.04	
For Work >20', Add	0.12	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.39	
For >100 To 250, Add	0.19	
For >250 To 500, Add	0.08	
For >2,500 To 5,000, Deduct	-0.03	
For >5,000 To 10,000, Deduct	-0.07	
For >10,000 To 20,000, Deduct	-0.10	
For >20,000, Deduct	-0.13	
09 91 13 00-0122 SF Paint Exterior Vinyl Siding, 2 Coats Paint, Brush/Roller Work.....	1.19	
For Oil Based Paint, Add	0.08	
For Work >20', Add	0.21	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.69	
For >100 To 250, Add	0.33	
For >250 To 500, Add	0.14	
For >2,500 To 5,000, Deduct	-0.06	
For >5,000 To 10,000, Deduct	-0.12	
For >10,000 To 20,000, Deduct	-0.18	
For >20,000, Deduct	-0.24	
09 91 13 00-0123 SF Paint Exterior Vinyl Siding, 1 Coat Primer, Sprayed.....	0.56	
For Oil Based Paint, Add	0.04	
For Work >20', Add	0.09	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.29	
For >100 To 250, Add	0.14	
For >250 To 500, Add	0.06	
For >2,500 To 5,000, Deduct	-0.03	
For >5,000 To 10,000, Deduct	-0.06	
For >10,000 To 20,000, Deduct	-0.08	
For >20,000, Deduct	-0.11	
09 91 13 00-0124 SF Paint Exterior Vinyl Siding, 1 Coat Paint, Sprayed.....	0.63	
For Oil Based Paint, Add	0.05	
For Work >20', Add	0.09	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.30	
For >100 To 250, Add	0.15	
For >250 To 500, Add	0.07	
For >2,500 To 5,000, Deduct	-0.03	
For >5,000 To 10,000, Deduct	-0.06	
For >10,000 To 20,000, Deduct	-0.09	
For >20,000, Deduct	-0.13	
09 91 13 00-0125 SF Paint Exterior Vinyl Siding, 2 Coats Paint, Sprayed.....	1.25	
For Oil Based Paint, Add	0.09	
For Work >20', Add	0.18	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.61	
For >100 To 250, Add	0.30	
For >250 To 500, Add	0.13	
For >2,500 To 5,000, Deduct	-0.06	
For >5,000 To 10,000, Deduct	-0.13	
For >10,000 To 20,000, Deduct	-0.19	
For >20,000, Deduct	-0.25	
09 91 13 00-0126 Paint Exterior Ceilings (09 91 13)		
09 91 13 00-0127 Paint Exterior Concrete Ceilings (09 91 13 00-0126)		
09 91 13 00-0128 SF Paint Exterior Concrete Ceiling, 1 Coat Filler, Brush Work.....	0.77	
For Oil Based Paint, Add	0.04	
For Epoxy Paint, Add	0.07	
For Work >20', Add	0.17	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.51	
For >100 To 250, Add	0.24	
For >250 To 500, Add	0.10	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.08	
For >10,000 To 20,000, Deduct	-0.12	
For >20,000, Deduct	-0.15	
09 91 13 00-0129 SF Paint Exterior Concrete Ceiling, 1 Coat Paint, Brush Work.....	0.85	
For Oil Based Paint, Add	0.05	
For Epoxy Paint, Add	0.07	
For Work >20', Add	0.19	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.58	
For >100 To 250, Add	0.28	
For >250 To 500, Add	0.12	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.09	
For >10,000 To 20,000, Deduct	-0.13	
For >20,000, Deduct	-0.17	

09 Finishes

09 90 Painting And Coating

09 91 Painting



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0130	SF		Paint Exterior Concrete Ceiling, 2 Coats Paint, Brush Work.....	1.50	
			For Oil Based Paint, Add	0.08	
			For Epoxy Paint, Add	0.13	
			For Work >20', Add	0.33	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	1.02	
			For >100 To 250, Add	0.48	
			For >250 To 500, Add	0.21	
			For >2,500 To 5,000, Deduct	-0.08	
			For >5,000 To 10,000, Deduct	-0.15	
			For >10,000 To 20,000, Deduct	-0.23	
			For >20,000, Deduct	-0.30	
09 91 13 00-0131	SF		Paint Exterior Concrete Ceiling, 1 Coat Filler, Brush/Roller Work.....	0.59	
			For Oil Based Paint, Add	0.04	
			For Epoxy Paint, Add	0.06	
			For Work >20', Add	0.12	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	0.38	
			For >100 To 250, Add	0.18	
			For >250 To 500, Add	0.08	
			For >2,500 To 5,000, Deduct	-0.03	
			For >5,000 To 10,000, Deduct	-0.06	
			For >10,000 To 20,000, Deduct	-0.09	
			For >20,000, Deduct	-0.12	
09 91 13 00-0132	SF		Paint Exterior Concrete Ceiling, 1 Coat Paint, Brush/Roller Work	0.66	
			For Oil Based Paint, Add	0.04	
			For Epoxy Paint, Add	0.06	
			For Work >20', Add	0.14	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	0.44	
			For >100 To 250, Add	0.21	
			For >250 To 500, Add	0.09	
			For >2,500 To 5,000, Deduct	-0.03	
			For >5,000 To 10,000, Deduct	-0.07	
			For >10,000 To 20,000, Deduct	-0.10	
			For >20,000, Deduct	-0.13	
09 91 13 00-0133	SF		Paint Exterior Concrete Ceiling, 2 Coats Paint, Brush/Roller Work.....	1.21	
			For Oil Based Paint, Add	0.07	
			For Epoxy Paint, Add	0.11	
			For Work >20', Add	0.26	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	0.81	
			For >100 To 250, Add	0.38	
			For >250 To 500, Add	0.16	
			For >2,500 To 5,000, Deduct	-0.06	
			For >5,000 To 10,000, Deduct	-0.12	
			For >10,000 To 20,000, Deduct	-0.18	
			For >20,000, Deduct	-0.24	
09 91 13 00-0134	SF		Paint Exterior Concrete Ceiling, 1 Coat Filler, Sprayed	0.48	
			For Oil Based Paint, Add	0.03	
			For Epoxy Paint, Add	0.06	
			For Work >20', Add	0.09	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	0.28	
			For >100 To 250, Add	0.14	
			For >250 To 500, Add	0.06	
			For >2,500 To 5,000, Deduct	-0.02	
			For >5,000 To 10,000, Deduct	-0.05	
			For >10,000 To 20,000, Deduct	-0.07	
			For >20,000, Deduct	-0.10	
09 91 13 00-0135	SF		Paint Exterior Concrete Ceiling, 1 Coat Paint, Sprayed.....	0.58	
			For Oil Based Paint, Add	0.03	
			For Epoxy Paint, Add	0.06	
			For Work >20', Add	0.12	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	0.37	
			For >100 To 250, Add	0.18	
			For >250 To 500, Add	0.08	
			For >2,500 To 5,000, Deduct	-0.03	
			For >5,000 To 10,000, Deduct	-0.06	
			For >10,000 To 20,000, Deduct	-0.09	
			For >20,000, Deduct	-0.12	
09 91 13 00-0136	SF		Paint Exterior Concrete Ceiling, 2 Coats Paint, Sprayed	0.92	
			For Oil Based Paint, Add	0.06	
			For Epoxy Paint, Add	0.11	
			For Work >20', Add	0.18	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	0.56	
			For >100 To 250, Add	0.27	
			For >250 To 500, Add	0.12	
			For >2,500 To 5,000, Deduct	-0.05	
			For >5,000 To 10,000, Deduct	-0.09	
			For >10,000 To 20,000, Deduct	-0.14	
			For >20,000, Deduct	-0.18	

09 91 13 00-0137 Drywall/Plaster (09 91 13 00-0126)



Finishes	09	09
Painting And Coating	09 90	
Painting	09 91	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0138 SF Paint Exterior Drywall/Plaster Ceiling, 1 Coat Primer, Brush Work.....	0.78	
For Oil Based Paint, Add	0.04	
For Orange Peel Finish, Add	0.11	
For Epoxy Paint, Add	0.07	
For Work >20', Add	0.17	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.52	
For >100 To 250, Add	0.25	
For >250 To 500, Add	0.11	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.08	
For >10,000 To 20,000, Deduct	-0.12	
For >20,000, Deduct	-0.16	
09 91 13 00-0139 SF Paint Exterior Drywall/Plaster Ceiling, 1 Coat Paint, Brush Work.....	0.85	
For Oil Based Paint, Add	0.05	
For Orange Peel Finish, Add	0.12	
For Epoxy Paint, Add	0.07	
For Work >20', Add	0.19	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.58	
For >100 To 250, Add	0.28	
For >250 To 500, Add	0.12	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.09	
For >10,000 To 20,000, Deduct	-0.13	
For >20,000, Deduct	-0.17	
09 91 13 00-0140 SF Paint Exterior Drywall/Plaster Ceiling, 2 Coats Paint, Brush Work	1.50	
For Oil Based Paint, Add	0.08	
For Orange Peel Finish, Add	0.21	
For Epoxy Paint, Add	0.13	
For Work >20', Add	0.33	
Note: Applied only to work area above 20'.		
For Up To 100, Add	1.02	
For >100 To 250, Add	0.48	
For >250 To 500, Add	0.21	
For >2,500 To 5,000, Deduct	-0.08	
For >5,000 To 10,000, Deduct	-0.15	
For >10,000 To 20,000, Deduct	-0.23	
For >20,000, Deduct	-0.30	
09 91 13 00-0141 SF Paint Exterior Drywall/Plaster Ceiling, 1 Coat Primer, Brush/Roller Work	0.58	
For Oil Based Paint, Add	0.03	
For Orange Peel Finish, Add	0.08	
For Epoxy Paint, Add	0.06	
For Work >20', Add	0.12	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.37	
For >100 To 250, Add	0.18	
For >250 To 500, Add	0.08	
For >2,500 To 5,000, Deduct	-0.03	
For >5,000 To 10,000, Deduct	-0.06	
For >10,000 To 20,000, Deduct	-0.09	
For >20,000, Deduct	-0.12	
09 91 13 00-0142 SF Paint Exterior Drywall/Plaster Ceiling, 1 Coat Paint, Brush/Roller Work.....	0.66	
For Oil Based Paint, Add	0.04	
For Orange Peel Finish, Add	0.09	
For Epoxy Paint, Add	0.06	
For Work >20', Add	0.14	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.44	
For >100 To 250, Add	0.21	
For >250 To 500, Add	0.09	
For >2,500 To 5,000, Deduct	-0.03	
For >5,000 To 10,000, Deduct	-0.07	
For >10,000 To 20,000, Deduct	-0.10	
For >20,000, Deduct	-0.13	
09 91 13 00-0143 SF Paint Exterior Drywall/Plaster Ceiling, 2 Coats Paint, Brush/Roller Work	1.21	
For Oil Based Paint, Add	0.07	
For Orange Peel Finish, Add	0.17	
For Epoxy Paint, Add	0.11	
For Work >20', Add	0.26	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.81	
For >100 To 250, Add	0.38	
For >250 To 500, Add	0.16	
For >2,500 To 5,000, Deduct	-0.06	
For >5,000 To 10,000, Deduct	-0.12	
For >10,000 To 20,000, Deduct	-0.18	
For >20,000, Deduct	-0.24	

09 Finishes

09 90 Painting And Coating

09 91 Painting



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0144	SF		Paint Exterior Drywall/Plaster Ceiling, 1 Coat Primer, Sprayed	0.47	
			<i>For Oil Based Paint, Add</i>	0.03	
			<i>For Epoxy Paint, Add</i>	0.06	
			<i>For Work >20', Add</i>	0.09	
			<i>Note: Applied only to work area above 20'.</i>		
			<i>For Up To 100, Add</i>	0.27	
			<i>For >100 To 250, Add</i>	0.13	
			<i>For >250 To 500, Add</i>	0.06	
			<i>For >2,500 To 5,000, Deduct</i>	-0.02	
			<i>For >5,000 To 10,000, Deduct</i>	-0.05	
			<i>For >10,000 To 20,000, Deduct</i>	-0.07	
			<i>For >20,000, Deduct</i>	-0.09	
09 91 13 00-0145	SF		Paint Exterior Drywall/Plaster Ceiling, 1 Coat Paint, Sprayed.....	0.59	
			<i>For Oil Based Paint, Add</i>	0.04	
			<i>For Epoxy Paint, Add</i>	0.06	
			<i>For Work >20', Add</i>	0.12	
			<i>Note: Applied only to work area above 20'.</i>		
			<i>For Up To 100, Add</i>	0.38	
			<i>For >100 To 250, Add</i>	0.18	
			<i>For >250 To 500, Add</i>	0.08	
			<i>For >2,500 To 5,000, Deduct</i>	-0.03	
			<i>For >5,000 To 10,000, Deduct</i>	-0.06	
			<i>For >10,000 To 20,000, Deduct</i>	-0.09	
			<i>For >20,000, Deduct</i>	-0.12	
09 91 13 00-0146	SF		Paint Exterior Drywall/Plaster Ceiling, 2 Coats Paint, Sprayed.....	0.92	
			<i>For Oil Based Paint, Add</i>	0.06	
			<i>For Epoxy Paint, Add</i>	0.11	
			<i>For Work >20', Add</i>	0.18	
			<i>Note: Applied only to work area above 20'.</i>		
			<i>For Up To 100, Add</i>	0.56	
			<i>For >100 To 250, Add</i>	0.27	
			<i>For >250 To 500, Add</i>	0.12	
			<i>For >2,500 To 5,000, Deduct</i>	-0.05	
			<i>For >5,000 To 10,000, Deduct</i>	-0.09	
			<i>For >10,000 To 20,000, Deduct</i>	-0.14	
			<i>For >20,000, Deduct</i>	-0.18	
09 91 13 00-0147			Paint Exterior Wood Ceilings <small>(09 91 13 00-0126)</small>		
09 91 13 00-0148			Paint Exterior Smooth Wood Ceilings <small>(09 91 13 00-0147)</small>		
09 91 13 00-0149	SF		Paint Exterior Wood Smooth Ceiling, 1 Coat Primer, Brush Work	0.94	
			<i>For Oil Based Paint, Add</i>	0.05	
			<i>For Work >20', Add</i>	0.20	
			<i>Note: Applied only to work area above 20'.</i>		
			<i>For Up To 100, Add</i>	0.62	
			<i>For >100 To 250, Add</i>	0.29	
			<i>For >250 To 500, Add</i>	0.13	
			<i>For >2,500 To 5,000, Deduct</i>	-0.05	
			<i>For >5,000 To 10,000, Deduct</i>	-0.09	
			<i>For >10,000 To 20,000, Deduct</i>	-0.14	
			<i>For >20,000, Deduct</i>	-0.19	
09 91 13 00-0150	SF		Paint Exterior Wood Smooth Ceiling, 1 Coat Paint, Brush Work	0.98	
			<i>For Oil Based Paint, Add</i>	0.06	
			<i>For Work >20', Add</i>	0.21	
			<i>Note: Applied only to work area above 20'.</i>		
			<i>For Up To 100, Add</i>	0.66	
			<i>For >100 To 250, Add</i>	0.31	
			<i>For >250 To 500, Add</i>	0.13	
			<i>For >2,500 To 5,000, Deduct</i>	-0.05	
			<i>For >5,000 To 10,000, Deduct</i>	-0.10	
			<i>For >10,000 To 20,000, Deduct</i>	-0.15	
			<i>For >20,000, Deduct</i>	-0.20	
09 91 13 00-0151	SF		Paint Exterior Wood Smooth Ceiling, 2 Coats Paint, Brush Work.....	1.78	
			<i>For Oil Based Paint, Add</i>	0.10	
			<i>For Work >20', Add</i>	0.38	
			<i>Note: Applied only to work area above 20'.</i>		
			<i>For Up To 100, Add</i>	1.18	
			<i>For >100 To 250, Add</i>	0.56	
			<i>For >250 To 500, Add</i>	0.24	
			<i>For >2,500 To 5,000, Deduct</i>	-0.09	
			<i>For >5,000 To 10,000, Deduct</i>	-0.18	
			<i>For >10,000 To 20,000, Deduct</i>	-0.27	
			<i>For >20,000, Deduct</i>	-0.36	
09 91 13 00-0152	SF		Paint Exterior Smooth Wood Ceiling, 1 Coat Primer, Brush/Roller Work.....	0.74	
			<i>For Oil Based Paint, Add</i>	0.05	
			<i>For Work >20', Add</i>	0.14	
			<i>Note: Applied only to work area above 20'.</i>		
			<i>For Up To 100, Add</i>	0.45	
			<i>For >100 To 250, Add</i>	0.22	
			<i>For >250 To 500, Add</i>	0.09	
			<i>For >2,500 To 5,000, Deduct</i>	-0.04	
			<i>For >5,000 To 10,000, Deduct</i>	-0.07	
			<i>For >10,000 To 20,000, Deduct</i>	-0.11	
			<i>For >20,000, Deduct</i>	-0.15	



Finishes	09	9
Painting And Coating	09 90	
Painting	09 91	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0153 SF Paint Exterior Smooth Wood Ceiling, 1 Coat Paint, Brush/Roller Work.....	0.82	
For Oil Based Paint, Add	0.05	
For Work >20', Add	0.17	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.53	
For >100 To 250, Add	0.25	
For >250 To 500, Add	0.11	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.08	
For >10,000 To 20,000, Deduct	-0.12	
For >20,000, Deduct	-0.16	
09 91 13 00-0154 SF Paint Exterior Smooth Wood Ceiling, 2 Coats Paint, Brush/Roller Work.....	1.43	
For Oil Based Paint, Add	0.09	
For Work >20', Add	0.28	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.89	
For >100 To 250, Add	0.43	
For >250 To 500, Add	0.18	
For >2,500 To 5,000, Deduct	-0.07	
For >5,000 To 10,000, Deduct	-0.14	
For >10,000 To 20,000, Deduct	-0.21	
For >20,000, Deduct	-0.29	
09 91 13 00-0155 SF Paint Exterior Smooth Wood Ceiling, 1 Coat Primer, Sprayed.....	0.60	
For Oil Based Paint, Add	0.04	
For Work >20', Add	0.12	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.37	
For >100 To 250, Add	0.18	
For >250 To 500, Add	0.08	
For >2,500 To 5,000, Deduct	-0.03	
For >5,000 To 10,000, Deduct	-0.06	
For >10,000 To 20,000, Deduct	-0.09	
For >20,000, Deduct	-0.12	
09 91 13 00-0156 SF Paint Exterior Smooth Wood Ceiling, 1 Coat Paint, Sprayed.....	0.60	
For Oil Based Paint, Add	0.04	
For Work >20', Add	0.12	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.37	
For >100 To 250, Add	0.18	
For >250 To 500, Add	0.08	
For >2,500 To 5,000, Deduct	-0.03	
For >5,000 To 10,000, Deduct	-0.06	
For >10,000 To 20,000, Deduct	-0.09	
For >20,000, Deduct	-0.12	
09 91 13 00-0157 SF Paint Exterior Smooth Wood Ceiling, 2 Coats Paint, Sprayed.....	1.08	
For Oil Based Paint, Add	0.07	
For Work >20', Add	0.21	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.65	
For >100 To 250, Add	0.31	
For >250 To 500, Add	0.14	
For >2,500 To 5,000, Deduct	-0.05	
For >5,000 To 10,000, Deduct	-0.11	
For >10,000 To 20,000, Deduct	-0.16	
For >20,000, Deduct	-0.22	
09 91 13 00-0158 Paint Exterior Rough Wood Ceilings (09 91 13 00-0147)		
09 91 13 00-0159 SF Paint Exterior Wood Rough Ceiling, 1 Coat Primer, Brush Work.....	1.40	
For Oil Based Paint, Add	0.08	
For Work >20', Add	0.30	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.92	
For >100 To 250, Add	0.44	
For >250 To 500, Add	0.19	
For >2,500 To 5,000, Deduct	-0.07	
For >5,000 To 10,000, Deduct	-0.14	
For >10,000 To 20,000, Deduct	-0.21	
For >20,000, Deduct	-0.28	
09 91 13 00-0160 SF Paint Exterior Wood Rough Ceiling, 1 Coat Paint, Brush Work.....	1.46	
For Oil Based Paint, Add	0.08	
For Work >20', Add	0.33	
Note: Applied only to work area above 20'.		
For Up To 100, Add	1.02	
For >100 To 250, Add	0.48	
For >250 To 500, Add	0.21	
For >2,500 To 5,000, Deduct	-0.07	
For >5,000 To 10,000, Deduct	-0.15	
For >10,000 To 20,000, Deduct	-0.22	
For >20,000, Deduct	-0.29	

09 Finishes

09 90 Painting And Coating

09 91 Painting



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0161	SF		Paint Exterior Wood Rough Ceiling, 2 Coats Paint, Brush Work	2.54	
			For Oil Based Paint, Add	0.14	
			For Work >20', Add	0.57	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	1.75	
			For >100 To 250, Add	0.82	
			For >250 To 500, Add	0.36	
			For >2,500 To 5,000, Deduct	-0.13	
			For >5,000 To 10,000, Deduct	-0.25	
			For >10,000 To 20,000, Deduct	-0.38	
			For >20,000, Deduct	-0.51	
09 91 13 00-0162	SF		Paint Exterior Rough Wood Ceiling, 1 Coat Primer, Brush/Roller Work.....	1.22	
			For Oil Based Paint, Add	0.08	
			For Work >20', Add	0.24	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	0.75	
			For >100 To 250, Add	0.36	
			For >250 To 500, Add	0.16	
			For >2,500 To 5,000, Deduct	-0.06	
			For >5,000 To 10,000, Deduct	-0.12	
			For >10,000 To 20,000, Deduct	-0.18	
			For >20,000, Deduct	-0.24	
09 91 13 00-0163	SF		Paint Exterior Rough Wood Ceiling, 1 Coat Paint, Brush/Roller Work.....	1.32	
			For Oil Based Paint, Add	0.08	
			For Work >20', Add	0.26	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	0.82	
			For >100 To 250, Add	0.39	
			For >250 To 500, Add	0.17	
			For >2,500 To 5,000, Deduct	-0.07	
			For >5,000 To 10,000, Deduct	-0.13	
			For >10,000 To 20,000, Deduct	-0.20	
			For >20,000, Deduct	-0.26	
09 91 13 00-0164	SF		Paint Exterior Rough Wood Ceiling, 2 Coats Paint, Brush/Roller Work.....	2.35	
			For Oil Based Paint, Add	0.15	
			For Work >20', Add	0.45	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	1.43	
			For >100 To 250, Add	0.68	
			For >250 To 500, Add	0.30	
			For >2,500 To 5,000, Deduct	-0.12	
			For >5,000 To 10,000, Deduct	-0.24	
			For >10,000 To 20,000, Deduct	-0.35	
			For >20,000, Deduct	-0.47	
09 91 13 00-0165	SF		Paint Exterior Rough Wood Ceiling, 1 Coat Primer, Sprayed	0.94	
			For Oil Based Paint, Add	0.06	
			For Work >20', Add	0.18	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	0.56	
			For >100 To 250, Add	0.27	
			For >250 To 500, Add	0.12	
			For >2,500 To 5,000, Deduct	-0.05	
			For >5,000 To 10,000, Deduct	-0.09	
			For >10,000 To 20,000, Deduct	-0.14	
			For >20,000, Deduct	-0.19	
09 91 13 00-0166	SF		Paint Exterior Rough Wood Ceiling, 1 Coat Paint, Sprayed.....	1.06	
			For Oil Based Paint, Add	0.07	
			For Work >20', Add	0.21	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	0.65	
			For >100 To 250, Add	0.31	
			For >250 To 500, Add	0.14	
			For >2,500 To 5,000, Deduct	-0.05	
			For >5,000 To 10,000, Deduct	-0.11	
			For >10,000 To 20,000, Deduct	-0.16	
			For >20,000, Deduct	-0.21	
09 91 13 00-0167	SF		Paint Exterior Rough Wood Ceiling, 2 Coats Paint, Sprayed.....	1.89	
			For Oil Based Paint, Add	0.12	
			For Work >20', Add	0.36	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	1.14	
			For >100 To 250, Add	0.54	
			For >250 To 500, Add	0.24	
			For >2,500 To 5,000, Deduct	-0.09	
			For >5,000 To 10,000, Deduct	-0.19	
			For >10,000 To 20,000, Deduct	-0.28	
			For >20,000, Deduct	-0.38	

09 91 13 00-0168 Paint Exterior Metal Ceilings (09 91 13 00-0126)

09 91 13 00-0169 Paint Exterior Galvanized Ceilings (09 91 13 00-0168)

Note: Linseed oil or acrylic latex paint.



Finishes	09	09
Painting And Coating	09 90	
Painting	09 91	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0170 SF Paint Exterior Galvanized Ceiling, 1 Coat Primer, Brush Work.....	0.91	
For Work >20', Add	0.19	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.59	
For >100 To 250, Add	0.28	
For >250 To 500, Add	0.12	
For >2,500 To 5,000, Deduct	-0.05	
For >5,000 To 10,000, Deduct	-0.09	
For >10,000 To 20,000, Deduct	-0.14	
For >20,000, Deduct	-0.18	
09 91 13 00-0171 SF Paint Exterior Galvanized Ceiling, 1 Coat Paint, Brush Work.....	1.00	
For Work >20', Add	0.21	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.66	
For >100 To 250, Add	0.31	
For >250 To 500, Add	0.14	
For >2,500 To 5,000, Deduct	-0.05	
For >5,000 To 10,000, Deduct	-0.10	
For >10,000 To 20,000, Deduct	-0.15	
For >20,000, Deduct	-0.20	
09 91 13 00-0172 SF Paint Exterior Galvanized Ceiling, 2 Coats Paint, Brush Work.....	1.82	
For Work >20', Add	0.38	
Note: Applied only to work area above 20'.		
For Up To 100, Add	1.19	
For >100 To 250, Add	0.56	
For >250 To 500, Add	0.24	
For >2,500 To 5,000, Deduct	-0.09	
For >5,000 To 10,000, Deduct	-0.18	
For >10,000 To 20,000, Deduct	-0.27	
For >20,000, Deduct	-0.36	
09 91 13 00-0173 SF Paint Exterior Galvanized Ceiling, 1 Coat Primer, Brush/Roller Work.....	0.69	
For Work >20', Add	0.14	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.45	
For >100 To 250, Add	0.21	
For >250 To 500, Add	0.09	
For >2,500 To 5,000, Deduct	-0.03	
For >5,000 To 10,000, Deduct	-0.07	
For >10,000 To 20,000, Deduct	-0.10	
For >20,000, Deduct	-0.14	
09 91 13 00-0174 SF Paint Exterior Galvanized Ceiling, 1 Coat Paint, Brush/Roller Work.....	0.79	
For Work >20', Add	0.17	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.52	
For >100 To 250, Add	0.25	
For >250 To 500, Add	0.11	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.08	
For >10,000 To 20,000, Deduct	-0.12	
For >20,000, Deduct	-0.16	
09 91 13 00-0175 SF Paint Exterior Galvanized Ceiling, 2 Coats Paint, Brush/Roller Work.....	1.37	
For Work >20', Add	0.28	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.88	
For >100 To 250, Add	0.42	
For >250 To 500, Add	0.18	
For >2,500 To 5,000, Deduct	-0.07	
For >5,000 To 10,000, Deduct	-0.14	
For >10,000 To 20,000, Deduct	-0.21	
For >20,000, Deduct	-0.27	
09 91 13 00-0176 SF Paint Exterior Galvanized Ceiling, 1 Coat Primer, Sprayed.....	0.64	
For Work >20', Add	0.12	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.38	
For >100 To 250, Add	0.18	
For >250 To 500, Add	0.08	
For >2,500 To 5,000, Deduct	-0.03	
For >5,000 To 10,000, Deduct	-0.06	
For >10,000 To 20,000, Deduct	-0.10	
For >20,000, Deduct	-0.13	
09 91 13 00-0177 SF Paint Exterior Galvanized Ceiling, 1 Coat Paint, Sprayed.....	0.75	
For Work >20', Add	0.15	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.46	
For >100 To 250, Add	0.22	
For >250 To 500, Add	0.10	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.08	
For >10,000 To 20,000, Deduct	-0.11	
For >20,000, Deduct	-0.15	

09 Finishes

09 90 Painting And Coating

09 91 Painting



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0178	SF		Paint Exterior Galvanized Ceiling, 2 Coats Paint, Sprayed.....	1.16	
			For Work >20', Add	0.21	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	0.67	
			For >100 To 250, Add	0.32	
			For >250 To 500, Add	0.14	
			For >2,500 To 5,000, Deduct	-0.06	
			For >5,000 To 10,000, Deduct	-0.12	
			For >10,000 To 20,000, Deduct	-0.17	
			For >20,000, Deduct	-0.23	
09 91 13 00-0179			Paint Exterior Aluminum And Aluminum Alloy Ceilings (09 91 13 00-0168)		
			Note: Alkyd enamel paint.		
09 91 13 00-0180	SF		Paint Exterior Aluminum And Aluminum Alloy Ceiling, 1 Coat Primer, Brush Work.....	0.91	
			For Work >20', Add	0.19	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	0.59	
			For >100 To 250, Add	0.28	
			For >250 To 500, Add	0.12	
			For >2,500 To 5,000, Deduct	-0.05	
			For >5,000 To 10,000, Deduct	-0.09	
			For >10,000 To 20,000, Deduct	-0.14	
			For >20,000, Deduct	-0.18	
09 91 13 00-0181	SF		Paint Exterior Aluminum And Aluminum Alloy Ceiling, 1 Coat Paint, Brush Work.....	1.00	
			For Work >20', Add	0.21	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	0.66	
			For >100 To 250, Add	0.31	
			For >250 To 500, Add	0.14	
			For >2,500 To 5,000, Deduct	-0.05	
			For >5,000 To 10,000, Deduct	-0.10	
			For >10,000 To 20,000, Deduct	-0.15	
			For >20,000, Deduct	-0.20	
09 91 13 00-0182	SF		Paint Exterior Aluminum And Aluminum Alloy Ceiling, 2 Coats Paint, Brush Work.....	1.82	
			For Work >20', Add	0.38	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	1.19	
			For >100 To 250, Add	0.56	
			For >250 To 500, Add	0.24	
			For >2,500 To 5,000, Deduct	-0.09	
			For >5,000 To 10,000, Deduct	-0.18	
			For >10,000 To 20,000, Deduct	-0.27	
			For >20,000, Deduct	-0.36	
09 91 13 00-0183	SF		Paint Exterior Aluminum And Aluminum Alloy Ceiling, 1 Coat Primer, Brush/Roller Work.....	0.74	
			For Work >20', Add	0.14	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	0.45	
			For >100 To 250, Add	0.22	
			For >250 To 500, Add	0.09	
			For >2,500 To 5,000, Deduct	-0.04	
			For >5,000 To 10,000, Deduct	-0.07	
			For >10,000 To 20,000, Deduct	-0.11	
			For >20,000, Deduct	-0.15	
09 91 13 00-0184	SF		Paint Exterior Aluminum And Aluminum Alloy Ceiling, 1 Coat Paint, Brush/Roller Work.....	0.84	
			For Work >20', Add	0.17	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	0.53	
			For >100 To 250, Add	0.25	
			For >250 To 500, Add	0.11	
			For >2,500 To 5,000, Deduct	-0.04	
			For >5,000 To 10,000, Deduct	-0.08	
			For >10,000 To 20,000, Deduct	-0.13	
			For >20,000, Deduct	-0.17	
09 91 13 00-0185	SF		Paint Exterior Aluminum And Aluminum Alloy Ceiling, 2 Coats Paint, Brush/Roller Work.....	1.47	
			For Work >20', Add	0.28	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	0.90	
			For >100 To 250, Add	0.43	
			For >250 To 500, Add	0.19	
			For >2,500 To 5,000, Deduct	-0.07	
			For >5,000 To 10,000, Deduct	-0.15	
			For >10,000 To 20,000, Deduct	-0.22	
			For >20,000, Deduct	-0.29	
09 91 13 00-0186	SF		Paint Exterior Aluminum And Aluminum Alloy Ceiling, 1 Coat Primer, Sprayed.....	0.64	
			For Work >20', Add	0.12	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	0.38	
			For >100 To 250, Add	0.18	
			For >250 To 500, Add	0.08	
			For >2,500 To 5,000, Deduct	-0.03	
			For >5,000 To 10,000, Deduct	-0.06	
			For >10,000 To 20,000, Deduct	-0.10	
			For >20,000, Deduct	-0.13	



Finishes	09	9
Painting And Coating	09 90	
Painting	09 91	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0187 SF Paint Exterior Aluminum And Aluminum Alloy Ceiling, 1 Coat Paint, Sprayed	0.64	
For Work >20', Add	0.12	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.38	
For >100 To 250, Add	0.18	
For >250 To 500, Add	0.08	
For >2,500 To 5,000, Deduct	-0.03	
For >5,000 To 10,000, Deduct	-0.06	
For >10,000 To 20,000, Deduct	-0.10	
For >20,000, Deduct	-0.13	
09 91 13 00-0188 SF Paint Exterior Aluminum And Aluminum Alloy Ceiling, 2 Coats Paint, Sprayed.....	1.16	
For Work >20', Add	0.21	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.67	
For >100 To 250, Add	0.32	
For >250 To 500, Add	0.14	
For >2,500 To 5,000, Deduct	-0.06	
For >5,000 To 10,000, Deduct	-0.12	
For >10,000 To 20,000, Deduct	-0.17	
For >20,000, Deduct	-0.23	
09 91 13 00-0189 Paint Exterior Corrugated Metal Ceilings (09 91 13 00-0188)		
09 91 13 00-0190 SF Paint Exterior Corrugated Metal Ceiling, 1 Coat Primer, Sprayed	0.70	
For Work >20', Add	0.13	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.41	
For >100 To 250, Add	0.20	
For >250 To 500, Add	0.09	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.07	
For >10,000 To 20,000, Deduct	-0.11	
For >20,000, Deduct	-0.14	
09 91 13 00-0191 SF Paint Exterior Corrugated Metal Ceiling, 1 Coat Paint, Sprayed.....	0.83	
For Work >20', Add	0.16	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.50	
For >100 To 250, Add	0.24	
For >250 To 500, Add	0.10	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.08	
For >10,000 To 20,000, Deduct	-0.12	
For >20,000, Deduct	-0.17	
09 91 13 00-0192 SF Paint Exterior Corrugated Metal Ceiling, 2 Coats Paint, Sprayed.....	1.47	
For Work >20', Add	0.27	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.87	
For >100 To 250, Add	0.42	
For >250 To 500, Add	0.18	
For >2,500 To 5,000, Deduct	-0.07	
For >5,000 To 10,000, Deduct	-0.15	
For >10,000 To 20,000, Deduct	-0.22	
For >20,000, Deduct	-0.29	
09 91 13 00-0193 Paint Exterior Floors (09 91 13)		
09 91 13 00-0194 Paint Exterior Concrete Floors (09 91 13 00-0193)		
09 91 13 00-0195 SF Paint Exterior Concrete Floors And Decks, 1 Coat Primer, Brush Work.....	0.59	
For Oil Based Paint, Add	0.04	
For Epoxy Paint, Add	0.06	
For Up To 100, Add	0.38	
For >100 To 250, Add	0.18	
For >250 To 500, Add	0.08	
For >2,500 To 5,000, Deduct	-0.03	
For >5,000 To 10,000, Deduct	-0.06	
For >10,000 To 20,000, Deduct	-0.09	
For >20,000, Deduct	-0.12	
09 91 13 00-0196 SF Paint Exterior Concrete Floors And Decks, 1 Coat Paint, Brush Work	0.66	
For Oil Based Paint, Add	0.04	
For Epoxy Paint, Add	0.06	
For Up To 100, Add	0.44	
For >100 To 250, Add	0.21	
For >250 To 500, Add	0.09	
For >2,500 To 5,000, Deduct	-0.03	
For >5,000 To 10,000, Deduct	-0.07	
For >10,000 To 20,000, Deduct	-0.10	
For >20,000, Deduct	-0.13	

09 Finishes**09 90 Painting And Coating****09 91 Painting**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0197 SF Paint Exterior Concrete Floors And Decks, 2 Coats Paint, Brush Work.....	1.21	
For Oil Based Paint, Add	0.07	
For Epoxy Paint, Add	0.11	
For Up To 100, Add	0.81	
For >100 To 250, Add	0.38	
For >250 To 500, Add	0.16	
For >2,500 To 5,000, Deduct	-0.06	
For >5,000 To 10,000, Deduct	-0.12	
For >10,000 To 20,000, Deduct	-0.18	
For >20,000, Deduct	-0.24	
09 91 13 00-0198 SF Paint Exterior Concrete Floors And Decks, 1 Coat Primer, Brush/Roller Work.....	0.48	
For Oil Based Paint, Add	0.03	
For Epoxy Paint, Add	0.06	
For Up To 100, Add	0.29	
For >100 To 250, Add	0.14	
For >250 To 500, Add	0.06	
For >2,500 To 5,000, Deduct	-0.02	
For >5,000 To 10,000, Deduct	-0.05	
For >10,000 To 20,000, Deduct	-0.07	
For >20,000, Deduct	-0.10	
09 91 13 00-0199 SF Paint Exterior Concrete Floors And Decks, 1 Coat Paint, Brush/Roller Work.....	0.57	
For Oil Based Paint, Add	0.03	
For Epoxy Paint, Add	0.06	
For Up To 100, Add	0.37	
For >100 To 250, Add	0.18	
For >250 To 500, Add	0.08	
For >2,500 To 5,000, Deduct	-0.03	
For >5,000 To 10,000, Deduct	-0.06	
For >10,000 To 20,000, Deduct	-0.09	
For >20,000, Deduct	-0.11	
09 91 13 00-0200 SF Paint Exterior Concrete Floors And Decks, 2 Coats Paint, Brush/Roller Work.....	0.91	
For Oil Based Paint, Add	0.05	
For Epoxy Paint, Add	0.10	
For Up To 100, Add	0.58	
For >100 To 250, Add	0.28	
For >250 To 500, Add	0.12	
For >2,500 To 5,000, Deduct	-0.05	
For >5,000 To 10,000, Deduct	-0.09	
For >10,000 To 20,000, Deduct	-0.14	
For >20,000, Deduct	-0.18	
09 91 13 00-0201 SF Paint Exterior Concrete Floors And Decks, 1 Coat Primer, Sprayed.....	0.36	
For Oil Based Paint, Add	0.02	
For Epoxy Paint, Add	0.06	
For Up To 100, Add	0.19	
For >100 To 250, Add	0.09	
For >250 To 500, Add	0.04	
For >2,500 To 5,000, Deduct	-0.02	
For >5,000 To 10,000, Deduct	-0.04	
For >10,000 To 20,000, Deduct	-0.05	
For >20,000, Deduct	-0.07	
09 91 13 00-0202 SF Paint Exterior Concrete Floors And Decks, 1 Coat Paint, Sprayed.....	0.46	
For Oil Based Paint, Add	0.03	
For Epoxy Paint, Add	0.06	
For Up To 100, Add	0.28	
For >100 To 250, Add	0.13	
For >250 To 500, Add	0.06	
For >2,500 To 5,000, Deduct	-0.02	
For >5,000 To 10,000, Deduct	-0.05	
For >10,000 To 20,000, Deduct	-0.07	
For >20,000, Deduct	-0.09	
09 91 13 00-0203 SF Paint Exterior Concrete Floors And Decks, 2 Coats Paint, Sprayed.....	0.80	
For Oil Based Paint, Add	0.05	
For Epoxy Paint, Add	0.10	
For Up To 100, Add	0.47	
For >100 To 250, Add	0.23	
For >250 To 500, Add	0.10	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.08	
For >10,000 To 20,000, Deduct	-0.12	
For >20,000, Deduct	-0.16	
09 91 13 00-0204 SF Paint Exterior Concrete Floors And Decks, 1 Coat Non Slip Paint, Brush/Roller Work.....	1.28	
For Up To 100, Add	0.48	
For >100 To 250, Add	0.25	
For >250 To 500, Add	0.11	
For >2,500 To 5,000, Deduct	-0.06	
For >5,000 To 10,000, Deduct	-0.13	
For >10,000 To 20,000, Deduct	-0.19	
For >20,000, Deduct	-0.26	
09 91 13 00-0205 SF Paint Exterior Concrete Floors And Decks, 1 Coat Anti-Slip, Single Component Epoxy Coating, Brush/Roller Work.....	2.81	
For Up To 100, Add	0.71	
For >100 To 250, Add	0.40	
For >250 To 500, Add	0.19	
For >2,500 To 5,000, Deduct	-0.14	
For >5,000 To 10,000, Deduct	-0.28	
For >10,000 To 20,000, Deduct	-0.42	
For >20,000, Deduct	-0.56	



Finishes	09	09
Painting And Coating	09 90	
Painting	09 91	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0206 SF Paint Exterior Concrete Floors And Decks, 1 Coat Anti-Slip High Performance Epoxy Coating, Brush/Roller Work.....	3.46	
For Up To 100, Add	0.81	
For >100 To 250, Add	0.47	
For >250 To 500, Add	0.22	
For >2,500 To 5,000, Deduct	-0.17	
For >5,000 To 10,000, Deduct	-0.35	
For >10,000 To 20,000, Deduct	-0.52	
For >20,000, Deduct	-0.69	
09 91 13 00-0207 Paint Exterior Wood Floors (09 91 13 00-0193)		
09 91 13 00-0208 SF Paint Exterior Wood Floors And Decks, 1 Coat Primer, Brush Work	0.72	
For Oil Based Paint, Add	0.04	
For Up To 100, Add	0.45	
For >100 To 250, Add	0.21	
For >250 To 500, Add	0.09	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.07	
For >10,000 To 20,000, Deduct	-0.11	
For >20,000, Deduct	-0.14	
09 91 13 00-0209 SF Paint Exterior Wood Floors And Decks, 1 Coat Paint, Brush Work	0.80	
For Oil Based Paint, Add	0.05	
For Up To 100, Add	0.52	
For >100 To 250, Add	0.25	
For >250 To 500, Add	0.11	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.08	
For >10,000 To 20,000, Deduct	-0.12	
For >20,000, Deduct	-0.16	
09 91 13 00-0210 SF Paint Exterior Wood Floors And Decks, 2 Coats Paint, Brush Work	1.48	
For Oil Based Paint, Add	0.09	
For Up To 100, Add	0.95	
For >100 To 250, Add	0.45	
For >250 To 500, Add	0.20	
For >2,500 To 5,000, Deduct	-0.07	
For >5,000 To 10,000, Deduct	-0.15	
For >10,000 To 20,000, Deduct	-0.22	
For >20,000, Deduct	-0.30	
09 91 13 00-0211 SF Paint Exterior Wood Floors And Decks, 1 Coat Primer, Brush/Roller Work	0.65	
For Oil Based Paint, Add	0.04	
For Up To 100, Add	0.39	
For >100 To 250, Add	0.19	
For >250 To 500, Add	0.08	
For >2,500 To 5,000, Deduct	-0.03	
For >5,000 To 10,000, Deduct	-0.07	
For >10,000 To 20,000, Deduct	-0.10	
For >20,000, Deduct	-0.13	
09 91 13 00-0212 SF Paint Exterior Wood Floors And Decks, 1 Coat Paint, Brush/Roller Work	0.72	
For Oil Based Paint, Add	0.04	
For Up To 100, Add	0.45	
For >100 To 250, Add	0.21	
For >250 To 500, Add	0.09	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.07	
For >10,000 To 20,000, Deduct	-0.11	
For >20,000, Deduct	-0.14	
09 91 13 00-0213 SF Paint Exterior Wood Floors And Decks, 2 Coats Paint, Brush/Roller Work	1.15	
For Oil Based Paint, Add	0.07	
For Up To 100, Add	0.68	
For >100 To 250, Add	0.33	
For >250 To 500, Add	0.14	
For >2,500 To 5,000, Deduct	-0.06	
For >5,000 To 10,000, Deduct	-0.12	
For >10,000 To 20,000, Deduct	-0.17	
For >20,000, Deduct	-0.23	
09 91 13 00-0214 SF Paint Exterior Wood Floors And Decks, 1 Coat Primer, Sprayed	0.48	
For Oil Based Paint, Add	0.03	
For Up To 100, Add	0.28	
For >100 To 250, Add	0.14	
For >250 To 500, Add	0.06	
For >2,500 To 5,000, Deduct	-0.02	
For >5,000 To 10,000, Deduct	-0.05	
For >10,000 To 20,000, Deduct	-0.07	
For >20,000, Deduct	-0.10	
09 91 13 00-0215 SF Paint Exterior Wood Floors And Decks, 1 Coat Paint, Sprayed	0.60	
For Oil Based Paint, Add	0.04	
For Up To 100, Add	0.37	
For >100 To 250, Add	0.18	
For >250 To 500, Add	0.08	
For >2,500 To 5,000, Deduct	-0.03	
For >5,000 To 10,000, Deduct	-0.06	
For >10,000 To 20,000, Deduct	-0.09	
For >20,000, Deduct	-0.12	

09 Finishes**09 90 Painting And Coating****09 91 Painting**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0216 SF Paint Exterior Wood Floors And Decks, 2 Coats Paint, Sprayed.....	0.97	
For Oil Based Paint, Add	0.06	
For Up To 100, Add	0.57	
For >100 To 250, Add	0.27	
For >250 To 500, Add	0.12	
For >2,500 To 5,000, Deduct	-0.05	
For >5,000 To 10,000, Deduct	-0.10	
For >10,000 To 20,000, Deduct	-0.15	
For >20,000, Deduct	-0.19	
09 91 13 00-0217 SF Paint Exterior Wood Floors And Decks, 1 Coat Non Slip Paint, Brush Work.....	1.37	
For Up To 100, Add	0.55	
For >100 To 250, Add	0.28	
For >250 To 500, Add	0.13	
For >2,500 To 5,000, Deduct	-0.07	
For >5,000 To 10,000, Deduct	-0.14	
For >10,000 To 20,000, Deduct	-0.21	
For >20,000, Deduct	-0.27	
09 91 13 00-0218 SF Paint Exterior Wood Floors And Decks, 1 Coat Non Slip Epoxy Coating, Brush Work.....	3.55	
For Up To 100, Add	0.87	
For >100 To 250, Add	0.50	
For >250 To 500, Add	0.23	
For >2,500 To 5,000, Deduct	-0.18	
For >5,000 To 10,000, Deduct	-0.36	
For >10,000 To 20,000, Deduct	-0.53	
For >20,000, Deduct	-0.71	
09 91 13 00-0219 Paint Exterior Doors And Windows (09 91 13)		
09 91 13 00-0220 Paint Exterior Door Frames (09 91 13 00-0219)		
09 91 13 00-0221 LF Paint Exterior Wood Door Frame And Trim, 1 Coat Primer, Brush/Roller Work	0.99	
For Painting Either Interior Or Exterior Only, Deduct	-0.26	
09 91 13 00-0222 LF Paint Exterior Wood Door Frame And Trim, 1 Coat Paint, Brush/Roller Work.....	1.29	
For Painting Either Interior Or Exterior Only, Deduct	-0.33	
09 91 13 00-0223 LF Paint Exterior Wood Door Frame And Trim, 2 Coats Paint, Brush/Roller Work.....	2.17	
For Painting Either Interior Or Exterior Only, Deduct	-0.56	
09 91 13 00-0224 LF Paint Exterior Metal Door Frame And Trim, 1 Coat Primer, Brush/Roller Work.....	0.98	
For Painting Either Interior Or Exterior Only, Deduct	-0.26	
09 91 13 00-0225 LF Paint Exterior Metal Door Frame And Trim, 1 Coat Paint, Brush/Roller Work	1.28	
For Painting Either Interior Or Exterior Only, Deduct	-0.33	
09 91 13 00-0226 LF Paint Exterior Metal Door Frame And Trim, 2 Coats Paint, Brush/Roller Work.....	2.16	
For Painting Either Interior Or Exterior Only, Deduct	-0.56	
09 91 13 00-0227 Paint Exterior Metal Doors (09 91 13 00-0219)		
09 91 13 00-0228 EA Paint Exterior Metal Door, One Face, 1 Coat Primer, Brush/Roller Work	37.61	
For Half Louvered Door, Add	4.12	
For Full Louvered Door, Add	6.87	
For Electrostatic Painting, Add	5.28	
For >5 To 10, Deduct	-1.88	
For >10 To 25, Deduct	-3.76	
For >25, Deduct	-5.64	
09 91 13 00-0229 EA Paint Exterior Metal Door, One Face, 1 Coat Paint, Brush/Roller Work.....	37.61	
For Half Louvered Door, Add	4.12	
For Full Louvered Door, Add	6.87	
For Electrostatic Painting, Add	5.28	
For >5 To 10, Deduct	-1.88	
For >10 To 25, Deduct	-3.76	
For >25, Deduct	-5.64	
09 91 13 00-0230 EA Paint Exterior Metal Door, One Face, 2 Coats Paint, Brush/Roller Work.....	66.53	
For Half Louvered Door, Add	6.96	
For Full Louvered Door, Add	11.59	
For Electrostatic Painting, Add	9.68	
For >5 To 10, Deduct	-3.33	
For >10 To 25, Deduct	-6.65	
For >25, Deduct	-9.98	
09 91 13 00-0231 EA Paint Exterior Metal Door, Both Faces, 1 Coat Primer, Brush/Roller Work.....	67.46	
For Half Louvered Door, Add	7.38	
For Full Louvered Door, Add	12.31	
For Electrostatic Painting, Add	9.48	
For >5 To 10, Deduct	-3.37	
For >10 To 25, Deduct	-6.75	
For >25, Deduct	-10.12	
09 91 13 00-0232 EA Paint Exterior Metal Door, Both Faces, 1 Coat Paint, Brush/Roller Work	67.46	
For Half Louvered Door, Add	7.38	
For Full Louvered Door, Add	12.31	
For Electrostatic Painting, Add	9.48	
For >5 To 10, Deduct	-3.37	
For >10 To 25, Deduct	-6.75	
For >25, Deduct	-10.12	



Finishes	09	09
Painting And Coating	09 90	
Painting	09 91	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0233 EA Paint Exterior Metal Door, Both Faces, 2 Coats Paint, Brush/Roller Work	119.75	
For Half Louvered Door, Add	12.49	
For Full Louvered Door, Add	20.82	
For Electrostatic Painting, Add	17.45	
For >5 To 10, Deduct	-5.99	
For >10 To 25, Deduct	-11.98	
For >25, Deduct	-17.96	
09 91 13 00-0234 EA Paint Exterior Metal Door, One Face, 1 Coat Primer, Sprayed.....	29.46	
For Half Louvered Door, Add	2.75	
For Full Louvered Door, Add	4.58	
For Electrostatic Painting, Add	4.62	
For >5 To 10, Deduct	-1.47	
For >10 To 25, Deduct	-2.95	
For >25, Deduct	-4.42	
09 91 13 00-0235 EA Paint Exterior Metal Door, One Face, 1 Coat Paint, Sprayed.....	29.46	
For Half Louvered Door, Add	2.75	
For Full Louvered Door, Add	4.58	
For Electrostatic Painting, Add	4.62	
For >5 To 10, Deduct	-1.47	
For >10 To 25, Deduct	-2.95	
For >25, Deduct	-4.42	
09 91 13 00-0236 EA Paint Exterior Metal Door, One Face, 2 Coats Paint, Sprayed.....	53.08	
For Half Louvered Door, Add	4.64	
For Full Louvered Door, Add	7.73	
For Electrostatic Painting, Add	8.64	
For >5 To 10, Deduct	-2.65	
For >10 To 25, Deduct	-5.31	
For >25, Deduct	-7.96	
09 91 13 00-0237 EA Paint Exterior Metal Door, Both Faces, 1 Coat Primer, Sprayed	52.87	
For Half Louvered Door, Add	4.92	
For Full Louvered Door, Add	8.20	
For Electrostatic Painting, Add	8.30	
For >5 To 10, Deduct	-2.64	
For >10 To 25, Deduct	-5.29	
For >25, Deduct	-7.93	
09 91 13 00-0238 EA Paint Exterior Metal Door, Both Faces, 1 Coat Paint, Sprayed.....	52.87	
For Half Louvered Door, Add	4.92	
For Full Louvered Door, Add	8.20	
For Electrostatic Painting, Add	8.30	
For >5 To 10, Deduct	-2.64	
For >10 To 25, Deduct	-5.29	
For >25, Deduct	-7.93	
09 91 13 00-0239 EA Paint Exterior Metal Door, Both Faces, 2 Coats Paint, Sprayed.....	95.63	
For Half Louvered Door, Add	8.33	
For Full Louvered Door, Add	13.88	
For Electrostatic Painting, Add	15.58	
For >5 To 10, Deduct	-4.78	
For >10 To 25, Deduct	-9.56	
For >25, Deduct	-14.34	
09 91 13 00-0240 SF Paint Exterior Metal Overhead, Sectional Door, Or Roll Up Door, 1 Coat Primer, Brush/Roller Work.....	2.05	
For Electrostatic Painting, Add	0.23	
09 91 13 00-0241 SF Paint Exterior Metal Overhead, Sectional Door, Or Roll Up Door, 1 Coat Paint, Brush/Roller Work	2.12	
For Electrostatic Painting, Add	0.25	
09 91 13 00-0242 SF Paint Exterior Metal Overhead, Sectional Door, Or Roll Up Door, 2 Coats Paint, Brush/Roller Work.....	4.38	
For Electrostatic Painting, Add	0.50	
09 91 13 00-0243 SF Paint Exterior Metal Overhead, Sectional Door, Or Roll Up Door, 1 Coat Primer, Sprayed.....	2.29	
For Electrostatic Painting, Add	0.25	
09 91 13 00-0244 SF Paint Exterior Metal Overhead, Sectional Door, Or Roll Up Door, 1 Coat Paint, Sprayed.....	2.36	
For Electrostatic Painting, Add	0.27	
09 91 13 00-0245 SF Paint Exterior Metal Overhead, Sectional Door, Or Roll Up Door, 2 Coats Paint, Sprayed.....	4.59	
For Electrostatic Painting, Add	0.53	
09 91 13 00-0246 Paint Exterior Wood Doors (09 91 13 00-0219)		
09 91 13 00-0247 EA Paint Exterior Wood Door, One Face, 1 Coat Primer, Brush/Roller Work	37.60	
For Half Louvered Door, Add	4.12	
For Full Louvered Door, Add	6.86	
For >5 To 10, Deduct	-1.88	
For >10 To 25, Deduct	-3.76	
For >25, Deduct	-5.64	
09 91 13 00-0248 EA Paint Exterior Wood Door, One Face, 1 Coat Paint, Brush/Roller Work.....	37.60	
For Half Louvered Door, Add	4.12	
For Full Louvered Door, Add	6.86	
For >5 To 10, Deduct	-1.88	
For >10 To 25, Deduct	-3.76	
For >25, Deduct	-5.64	
09 91 13 00-0249 EA Paint Exterior Wood Door, One Face, 2 Coats Paint, Brush/Roller Work	66.53	
For Half Louvered Door, Add	6.96	
For Full Louvered Door, Add	11.59	
For >5 To 10, Deduct	-3.33	
For >10 To 25, Deduct	-6.65	
For >25, Deduct	-9.98	

09 Finishes

09 90 Painting And Coating

09 91 Painting



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0250	EA		Paint Exterior Wood Door, Both Faces, 1 Coat Primer, Brush/Roller Work.....	67.46	
			<i>For Half Louvered Door, Add</i>	7.38	
			<i>For Full Louvered Door, Add</i>	12.31	
			<i>For >5 To 10, Deduct</i>	-3.37	
			<i>For >10 To 25, Deduct</i>	-6.75	
			<i>For >25, Deduct</i>	-10.12	
09 91 13 00-0251	EA		Paint Exterior Wood Door, Both Faces, 1 Coat Paint, Brush/Roller Work.....	67.46	
			<i>For Half Louvered Door, Add</i>	7.38	
			<i>For Full Louvered Door, Add</i>	12.31	
			<i>For >5 To 10, Deduct</i>	-3.37	
			<i>For >10 To 25, Deduct</i>	-6.75	
			<i>For >25, Deduct</i>	-10.12	
09 91 13 00-0252	EA		Paint Exterior Wood Door, Both Faces, 2 Coats Paint, Brush/Roller Work.....	119.75	
			<i>For Half Louvered Door, Add</i>	12.49	
			<i>For Full Louvered Door, Add</i>	20.82	
			<i>For >5 To 10, Deduct</i>	-5.99	
			<i>For >10 To 25, Deduct</i>	-11.98	
			<i>For >25, Deduct</i>	-17.96	
09 91 13 00-0253	EA		Paint Exterior Wood Door, One Face, 1 Coat Primer, Sprayed.....	29.46	
			<i>For Half Louvered Door, Add</i>	2.75	
			<i>For Full Louvered Door, Add</i>	4.58	
			<i>For >5 To 10, Deduct</i>	-1.47	
			<i>For >10 To 25, Deduct</i>	-2.95	
			<i>For >25, Deduct</i>	-4.42	
09 91 13 00-0254	EA		Paint Exterior Wood Door, One Face, 1 Coat Paint, Sprayed.....	29.46	
			<i>For Half Louvered Door, Add</i>	2.75	
			<i>For Full Louvered Door, Add</i>	4.58	
			<i>For >5 To 10, Deduct</i>	-1.47	
			<i>For >10 To 25, Deduct</i>	-2.95	
			<i>For >25, Deduct</i>	-4.42	
09 91 13 00-0255	EA		Paint Exterior Wood Door, One Face, 2 Coats Paint, Sprayed.....	53.10	
			<i>For Half Louvered Door, Add</i>	4.64	
			<i>For Full Louvered Door, Add</i>	7.73	
			<i>For >5 To 10, Deduct</i>	-2.66	
			<i>For >10 To 25, Deduct</i>	-5.31	
			<i>For >25, Deduct</i>	-7.97	
09 91 13 00-0256	EA		Paint Exterior Wood Door, Both Faces, 1 Coat Primer, Sprayed.....	52.87	
			<i>For Half Louvered Door, Add</i>	4.92	
			<i>For Full Louvered Door, Add</i>	8.20	
			<i>For >5 To 10, Deduct</i>	-2.64	
			<i>For >10 To 25, Deduct</i>	-5.29	
			<i>For >25, Deduct</i>	-7.93	
09 91 13 00-0257	EA		Paint Exterior Wood Door, Both Faces, 1 Coat Paint, Sprayed.....	52.87	
			<i>For Half Louvered Door, Add</i>	4.92	
			<i>For Full Louvered Door, Add</i>	8.20	
			<i>For >5 To 10, Deduct</i>	-2.64	
			<i>For >10 To 25, Deduct</i>	-5.29	
			<i>For >25, Deduct</i>	-7.93	
09 91 13 00-0258	EA		Paint Exterior Wood Door, Both Faces, 2 Coats Paint, Sprayed.....	95.63	
			<i>For Half Louvered Door, Add</i>	8.33	
			<i>For Full Louvered Door, Add</i>	13.88	
			<i>For >5 To 10, Deduct</i>	-4.78	
			<i>For >10 To 25, Deduct</i>	-9.56	
			<i>For >25, Deduct</i>	-14.34	
09 91 13 00-0259	SF		Paint Exterior Wood Overhead, Sectional Door, Or Roll Up Door, 1 Coat Primer, Brush/Roller Work.....	2.06	
09 91 13 00-0260	SF		Paint Exterior Wood Overhead, Sectional Door, Or Roll Up Door, 1 Coat Paint, Brush/Roller Work.....	2.12	
09 91 13 00-0261	SF		Paint Exterior Wood Overhead, Sectional Door, Or Roll Up Door, 2 Coats Paint, Brush/Roller Work.....	4.38	
09 91 13 00-0262	SF		Paint Exterior Wood Overhead, Sectional Door, Or Roll Up Door, 1 Coat Primer, Sprayed.....	2.29	
09 91 13 00-0263	SF		Paint Exterior Wood Overhead, Sectional Door, Or Roll Up Door, 1 Coat Paint, Sprayed.....	2.36	
09 91 13 00-0264	SF		Paint Exterior Wood Overhead, Sectional Door, Or Roll Up Door, 2 Coats Paint, Sprayed.....	4.59	
09 91 13 00-0265			Paint Exterior Metal Windows (09 91 13 00-0219)		
			Note: Two finish coats paint over rust inhibitive primer.		
09 91 13 00-0266	EA		Up To 8 SF Window Size, Paint Exterior Metal Window Including Trim.....	68.28	
			<i>For Electrostatic Painting, Add</i>	7.84	
			<i>For >5 To 10, Deduct</i>	-3.41	
			<i>For >10 To 25, Deduct</i>	-6.83	
			<i>For >25, Deduct</i>	-10.24	
09 91 13 00-0267	EA		>8 To 14 SF Window Size, Paint Exterior Metal Window Including Trim.....	81.41	
			<i>For Electrostatic Painting, Add</i>	9.70	
			<i>For >5 To 10, Deduct</i>	-4.07	
			<i>For >10 To 25, Deduct</i>	-8.14	
			<i>For >25, Deduct</i>	-12.21	
09 91 13 00-0268	EA		>14 To 20 SF Window Size, Paint Exterior Metal Window Including Trim.....	109.46	
			<i>For Electrostatic Painting, Add</i>	13.16	
			<i>For >5 To 10, Deduct</i>	-5.47	
			<i>For >10 To 25, Deduct</i>	-10.95	
			<i>For >25, Deduct</i>	-16.42	
09 91 13 00-0269	EA		>20 To 26 SF Window Size, Paint Exterior Metal Window Including Trim.....	123.23	
			<i>For Electrostatic Painting, Add</i>	14.83	
			<i>For >5 To 10, Deduct</i>	-6.16	
			<i>For >10 To 25, Deduct</i>	-12.32	
			<i>For >25, Deduct</i>	-18.48	



		Finishes	09
		Painting And Coating	09 90
		Painting	09 91

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91	13 00-0270	EA	>26 To 34 SF Window Size, Paint Exterior Metal Window Including Trim..... <i>For Electrostatic Painting, Add</i> <i>For >5 To 10, Deduct</i> <i>For >10 To 25, Deduct</i> <i>For >25, Deduct</i>	136.73 16.43 -6.84 -13.67 -20.51	
09 91	13 00-0271	SF	>34 SF Window Size, Paint Exterior Metal Window Including Trim..... <i>For Electrostatic Painting, Add</i>	4.34 0.52	
09 91 13 00-0272 Paint Exterior Wood Windows (09 91 13 00-0219)					
Note: Two finish coats paint over primer.					
09 91	13 00-0273	EA	Up To 8 SF Window Size, Paint Exterior Wood Window Including Trim..... <i>For >5 To 10, Deduct</i> <i>For >10 To 25, Deduct</i> <i>For >25, Deduct</i>	68.28 -3.41 -6.83 -10.24	
09 91	13 00-0274	EA	>8 To 14 SF Window Size, Paint Exterior Wood Window Including Trim <i>For >5 To 10, Deduct</i> <i>For >10 To 25, Deduct</i> <i>For >25, Deduct</i>	81.41 -4.07 -8.14 -12.21	
09 91	13 00-0275	EA	>14 To 20 SF Window Size, Paint Exterior Wood Window Including Trim <i>For >5 To 10, Deduct</i> <i>For >10 To 25, Deduct</i> <i>For >25, Deduct</i>	109.46 -5.47 -10.95 -16.42	
09 91	13 00-0276	EA	>20 To 26 SF Window Size, Paint Exterior Wood Window Including Trim <i>For >5 To 10, Deduct</i> <i>For >10 To 25, Deduct</i> <i>For >25, Deduct</i>	123.23 -6.16 -12.32 -18.48	
09 91	13 00-0277	EA	>26 To 34 SF Window Size, Paint Exterior Wood Window Including Trim <i>For >5 To 10, Deduct</i> <i>For >10 To 25, Deduct</i> <i>For >25, Deduct</i>	136.73 -6.84 -13.67 -20.51	
09 91	13 00-0278	SF	>34 SF Window Size, Paint Exterior Wood Window Including Trim.....	4.58	
09 91 13 00-0279 Paint Exterior Security Screens (09 91 13 00-0219)					
09 91	13 00-0280	SF	Paint Exterior Security Screen, 1 Coat Primer, Brush/Roller Work..... <i>For Electrostatic Painting, Add</i>	1.29 0.15	
09 91	13 00-0281	SF	Paint Exterior Security Screen, 1 Coat Paint, Brush/Roller Work <i>For Electrostatic Painting, Add</i>	1.38 0.15	
09 91	13 00-0282	SF	Paint Exterior Security Screen, 2 Coats Paint, Brush/Roller Work..... <i>For Electrostatic Painting, Add</i>	2.26 0.25	
09 91 13 00-0283 Paint Exterior Window Guards (09 91 13 00-0219)					
09 91	13 00-0284	SF	Paint Exterior Metal Window Guards, 1 Coat Primer, Brush/Roller Work.....	1.29	
09 91	13 00-0285	SF	Paint Exterior Metal Window Guards, 1 Coat Paint, Brush/Roller Work.....	1.38	
09 91	13 00-0286	SF	Paint Exterior Metal Window Guards, 2 Coats Paint, Brush/Roller Work.....	2.26	
09 91 13 00-0287 Paint Exterior Window Trim (09 91 13 00-0219)					
09 91	13 00-0288	LF	Paint Exterior Wood Window Frame And Trim, 1 Coat Primer, Brush/Roller Work.....	1.19	
09 91	13 00-0289	LF	Paint Exterior Wood Window Frame And Trim, 1 Coat Paint, Brush/Roller Work.....	1.19	
09 91	13 00-0290	LF	Paint Exterior Wood Window Frame And Trim, 2 Coats Paint, Brush/Roller Work.....	1.39	
09 91	13 00-0291	LF	Paint Exterior Metal Window Frame And Trim, 1 Coat Primer, Brush/Roller Work.....	1.26	
09 91	13 00-0292	LF	Paint Exterior Metal Window Frame And Trim, 1 Coat Paint, Brush/Roller Work.....	1.26	
09 91	13 00-0293	LF	Paint Exterior Metal Window Frame And Trim, 2 Coats Paint, Brush/Roller Work.....	1.52	
09 91 13 00-0294 Paint Roofing And Trim (09 91 13)					
09 91 13 00-0295 Paint Stain Or Seal Wood Roofing (09 91 13 00-0294)					
09 91	13 00-0296	SF	Stain And Seal Shingles/Shake, 1 Coat, Brush/Roller Work..... <i>For Up To 100, Add</i> <i>For >100 To 250, Add</i> <i>For >250 To 500, Add</i>	1.59 0.92 0.44 0.19	
09 91	13 00-0297	SF	Stain And Seal Shingles/Shake, 2 Coats, Brush/Roller Work..... <i>For Up To 100, Add</i> <i>For >100 To 250, Add</i> <i>For >250 To 500, Add</i>	2.93 1.68 0.81 0.35	
09 91 13 00-0298 Paint Metal Roofing (09 91 13 00-0294)					
09 91	13 00-0299	SF	Paint Metal Roofing, 1 Coat Paint, Brush/Roller Work..... <i>For Up To 100, Add</i> <i>For >100 To 250, Add</i> <i>For >250 To 500, Add</i>	0.65 0.37 0.18 0.08	
09 91	13 00-0300	SF	Paint Metal Roofing, 2 Coats Paint, Brush/Roller Work..... <i>For Up To 100, Add</i> <i>For >100 To 250, Add</i> <i>For >250 To 500, Add</i>	1.14 0.66 0.32 0.14	
09 91 13 00-0301 Paint Fascia Board (09 91 13 00-0294)					

09 Finishes**09 90 Painting And Coating****09 91 Painting**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0302	LF		Paint Fascia Board, 1 Coat Primer, Brush/Roller Work.....	0.65	
			<i>For Up To 100, Add</i>	0.37	
			<i>For >100 To 250, Add</i>	0.18	
			<i>For >250 To 500, Add</i>	0.08	
09 91 13 00-0303	LF		Paint Fascia Board, 1 Coat Paint, Brush/Roller Work.....	0.65	
			<i>For Up To 100, Add</i>	0.37	
			<i>For >100 To 250, Add</i>	0.18	
			<i>For >250 To 500, Add</i>	0.08	
09 91 13 00-0304	LF		Paint Fascia Board, 2 Coats Paint, Brush/Roller Work.....	1.14	
			<i>For Up To 100, Add</i>	0.66	
			<i>For >100 To 250, Add</i>	0.32	
			<i>For >250 To 500, Add</i>	0.14	
09 91 13 00-0305			Paint Soffit <small>(09 91 13 00-0294)</small>		
09 91 13 00-0306	SF		Paint Soffit, 1 Coat Primer, Brush/Roller Work	0.74	
			<i>For Up To 100, Add</i>	0.39	
			<i>For >100 To 250, Add</i>	0.19	
			<i>For >250 To 500, Add</i>	0.08	
09 91 13 00-0307	SF		Paint Soffit, 1 Coat Paint, Brush/Roller Work.....	0.74	
			<i>For Up To 100, Add</i>	0.39	
			<i>For >100 To 250, Add</i>	0.19	
			<i>For >250 To 500, Add</i>	0.08	
09 91 13 00-0308	SF		Paint Soffit, 2 Coats Paint, Brush/Roller Work.....	1.27	
			<i>For Up To 100, Add</i>	0.68	
			<i>For >100 To 250, Add</i>	0.33	
			<i>For >250 To 500, Add</i>	0.15	
09 91 13 00-0309			Paint Site Work <small>(09 91 13)</small>		
			Note: Tasks can be used for exterior or interior applications.		
09 91 13 00-0310			Paint Structural Steel <small>(09 91 13 00-0309)</small>		
09 91 13 00-0311			Paint Structural Steel, Brush Work <small>(09 91 13 00-0310)</small>		
09 91 13 00-0312	SF		Paint Structural Steel, 1 Field Coat Primer, Brush/Roller Work	0.90	
			<i>For Up To 100, Add</i>	0.62	
			<i>For >100 To 250, Add</i>	0.29	
			<i>For >250 To 500, Add</i>	0.13	
			<i>For Epoxy Paint, Add</i>	0.08	
09 91 13 00-0313	SF		Paint Structural Steel, 1 Field Coat Paint, Brush/Roller Work.....	0.79	
			<i>For Up To 100, Add</i>	0.53	
			<i>For >100 To 250, Add</i>	0.25	
			<i>For >250 To 500, Add</i>	0.11	
			<i>For Epoxy Paint, Add</i>	0.07	
09 91 13 00-0314			Paint Structural Steel, Spray Work <small>(09 91 13 00-0310)</small>		
09 91 13 00-0315	SF		Paint Structural Steel, 1 Field Coat Primer, Spray Work.....	0.58	
			<i>For Electrostatic Painting, Add</i>	0.07	
			<i>For Up To 100, Add</i>	0.38	
			<i>For >100 To 250, Add</i>	0.18	
			<i>For >250 To 500, Add</i>	0.08	
			<i>For Epoxy Paint, Add</i>	0.06	
09 91 13 00-0316	SF		Paint Structural Steel, 1 Field Coat Paint, Spray Work.....	0.47	
			<i>For Electrostatic Painting, Add</i>	0.06	
			<i>For Up To 100, Add</i>	0.29	
			<i>For >100 To 250, Add</i>	0.14	
			<i>For >250 To 500, Add</i>	0.06	
			<i>For Epoxy Paint, Add</i>	0.05	
09 91 13 00-0317			Paint Metal Decking, Beams And Bar Joist <small>(09 91 13 00-0310)</small>		
09 91 13 00-0318	SF		Paint Exposed Metal Decking, 1 Coat Primer, Sprayed.....	0.66	
			<i>For Up To 100, Add</i>	0.44	
			<i>For >100 To 250, Add</i>	0.21	
			<i>For >250 To 500, Add</i>	0.09	
			<i>For Epoxy Paint, Add</i>	0.06	
09 91 13 00-0319	SF		Paint Exposed Metal Decking, 1 Coat Paint, Sprayed	0.66	
			<i>For Up To 100, Add</i>	0.44	
			<i>For >100 To 250, Add</i>	0.21	
			<i>For >250 To 500, Add</i>	0.09	
			<i>For Epoxy Paint, Add</i>	0.06	
09 91 13 00-0320	SF		Paint Exposed Metal Decking, 2 Coats Paint, Sprayed	1.10	
			<i>For Up To 100, Add</i>	0.71	
			<i>For >100 To 250, Add</i>	0.34	
			<i>For >250 To 500, Add</i>	0.15	
			<i>For Epoxy Paint, Add</i>	0.12	
09 91 13 00-0321	SF		Paint Metal Beams And Bar Joists, 1 Coat Primer, Brush/Roller Work.....	0.91	
			<i>For Up To 100, Add</i>	0.57	
			<i>For >100 To 250, Add</i>	0.27	
			<i>For >250 To 500, Add</i>	0.12	
			<i>For Epoxy Paint, Add</i>	0.10	



Finishes	09	09
Painting And Coating	09 90	
Painting	09 91	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0322 SF Paint Metal Beams And Bar Joists, 1 Coat Paint, Brush/Roller Work.....	0.91	
For Up To 100, Add	0.58	
For >100 To 250, Add	0.28	
For >250 To 500, Add	0.12	
For Epoxy Paint, Add	0.10	
09 91 13 00-0323 SF Paint Metal Beams And Bar Joists, 2 Coats Paint, Brush/Roller Work	1.69	
For Up To 100, Add	1.07	
For >100 To 250, Add	0.51	
For >250 To 500, Add	0.22	
For Epoxy Paint, Add	0.18	
09 91 13 00-0324 SF Paint Metal Beams And Bar Joists, 1 Coat Primer, Sprayed	0.79	
For Up To 100, Add	0.51	
For >100 To 250, Add	0.24	
For >250 To 500, Add	0.10	
For Epoxy Paint, Add	0.08	
09 91 13 00-0325 SF Paint Metal Beams And Bar Joists, 1 Coat Paint, Sprayed.....	0.79	
For Up To 100, Add	0.51	
For >100 To 250, Add	0.24	
For >250 To 500, Add	0.10	
For Epoxy Paint, Add	0.08	
09 91 13 00-0326 SF Paint Metal Beams And Bar Joists, 2 Coats Paint, Sprayed.....	1.32	
For Up To 100, Add	0.82	
For >100 To 250, Add	0.39	
For >250 To 500, Add	0.17	
For Epoxy Paint, Add	0.15	
09 91 13 00-0327 Paint Steel Pipes <small>(09 91 13 00-0309)</small>		
Note: Includes pipe, tubes, rails, conduit, etc.		
09 91 13 00-0328 LF Paint Conduit, Steel Pipe 1/2" To 1-1/2" Diameter, 1 Coat Primer.....	1.33	
For Electrostatic Painting, Add	0.16	
For Epoxy Paint, Add	0.11	
09 91 13 00-0329 LF Paint Conduit, Steel Pipe 2" To 3-1/2" Diameter, 1 Coat Primer.....	1.49	
For Electrostatic Painting, Add	0.17	
For Epoxy Paint, Add	0.13	
09 91 13 00-0330 LF Paint Steel Pipes 4" Diameter, 1 Coat Primer.....	1.68	
For Electrostatic Painting, Add	0.20	
For Epoxy Paint, Add	0.14	
09 91 13 00-0331 LF Paint Steel Pipes 6" To 8" Diameter, 1 Coat Primer	2.10	
For Electrostatic Painting, Add	0.25	
For Epoxy Paint, Add	0.18	
09 91 13 00-0332 LF Paint Steel Pipes 10" To 12" Diameter 1 Coat Primer	2.66	
For Electrostatic Painting, Add	0.31	
For Epoxy Paint, Add	0.22	
09 91 13 00-0333 LF Paint Conduit, Steel Pipe 1/2" To 1-1/2" Diameter, 1 Coat Paint.....	1.33	
For Electrostatic Painting, Add	0.16	
For Epoxy Paint, Add	0.11	
09 91 13 00-0334 LF Paint Conduit, Steel Pipe 2" To 3-1/2" Diameter, 1 Coat Paint.....	1.49	
For Electrostatic Painting, Add	0.17	
For Epoxy Paint, Add	0.13	
09 91 13 00-0335 LF Paint Steel Pipes 4" Diameter, 1 Coat Paint.....	1.68	
For Electrostatic Painting, Add	0.20	
For Epoxy Paint, Add	0.14	
09 91 13 00-0336 LF Paint Steel Pipes 6" To 8" Diameter, 1 Coat Paint.....	2.10	
For Electrostatic Painting, Add	0.25	
For Epoxy Paint, Add	0.18	
09 91 13 00-0337 LF Paint Steel Pipes 10" To 12" Diameter 1 Coat Paint.....	2.66	
For Electrostatic Painting, Add	0.31	
For Epoxy Paint, Add	0.22	
09 91 13 00-0338 LF Paint Conduit, Steel Pipe 1/2" To 1-1/2" Diameter, 2 Coats	2.65	
For Electrostatic Painting, Add	0.32	
For Epoxy Paint, Add	0.25	
09 91 13 00-0339 LF Paint Conduit, Steel Pipe 2" To 3-1/2" Diameter, 2 Coats	2.97	
For Electrostatic Painting, Add	0.35	
For Epoxy Paint, Add	0.25	
09 91 13 00-0340 LF Paint Steel Pipes 4" Diameter, 2 Coats	3.21	
For Electrostatic Painting, Add	0.38	
For Epoxy Paint, Add	0.28	
09 91 13 00-0341 LF Paint Steel Pipes 6" To 8" Diameter, 2 Coats	4.05	
For Electrostatic Painting, Add	0.48	
For Epoxy Paint, Add	0.34	
09 91 13 00-0342 LF Paint Steel Pipes 10" To 12" Diameter, 2 Coats	4.98	
For Electrostatic Painting, Add	0.59	
For Epoxy Paint, Add	0.43	
09 91 13 00-0343 Paint Fencing <small>(09 91 13 00-0309)</small>		
Note: Per side of fence. Based on gross fence area (length of fence x height of fence).		
09 91 13 00-0344 SF Paint Existing Chain Link Fence, 1 Coat Paint, Brush/Roller.....	0.67	
For Epoxy Paint, Add	0.06	
For Up To 100, Add	0.45	
For >100 To 250, Add	0.21	
For >250 To 500, Add	0.09	

09 Finishes**09 90 Painting And Coating****09 91 Painting**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0345 SF Paint Existing Chain Link Fence, 2 Coats Paint, Brush/Roller	1.22	
For Epoxy Paint, Add	0.11	
For Up To 100, Add	0.81	
For >100 To 250, Add	0.38	
For >250 To 500, Add	0.17	
09 91 13 00-0346 SF Paint Existing Chain Link Fence, 1 Coat Paint, Sprayed	0.58	
For Epoxy Paint, Add	0.06	
For Up To 100, Add	0.37	
For >100 To 250, Add	0.18	
For >250 To 500, Add	0.08	
09 91 13 00-0347 SF Paint Existing Chain Link Fence, 2 Coats Paint, Sprayed.....	1.06	
For Epoxy Paint, Add	0.12	
For Up To 100, Add	0.67	
For >100 To 250, Add	0.32	
For >250 To 500, Add	0.14	
09 91 13 00-0348 SF Paint Wrought Iron Fence, 1 Coat Primer, Brush/Roller	0.59	
For Up To 100, Add	0.38	
For >100 To 250, Add	0.18	
For >250 To 500, Add	0.08	
09 91 13 00-0349 SF Paint Wrought Iron Fence, 1 Coat, Brush/Roller.....	0.57	
For Up To 100, Add	0.37	
For >100 To 250, Add	0.18	
For >250 To 500, Add	0.08	
09 91 13 00-0350 SF Paint Wrought Iron Fence, Each Additional Coat, Brush/Roller	0.39	
For Up To 100, Add	0.24	
For >100 To 250, Add	0.11	
For >250 To 500, Add	0.05	
09 91 13 00-0351 SF Paint Picket Fence, 1 Coat Primer, Brush/Roller	0.82	
For Up To 100, Add	0.58	
For >100 To 250, Add	0.27	
For >250 To 500, Add	0.12	
09 91 13 00-0352 SF Paint Picket Fence, 1 Coat, Brush/Roller.....	0.82	
For Up To 100, Add	0.58	
For >100 To 250, Add	0.27	
For >250 To 500, Add	0.12	
09 91 13 00-0353 SF Paint Picket Fence, Each Additional Coat, Brush/Roller	0.58	
For Up To 100, Add	0.40	
For >100 To 250, Add	0.19	
For >250 To 500, Add	0.08	
09 91 13 00-0354 SF Paint Wood Fences 1 Coat, Brush/Roller	0.59	
For Up To 100, Add	0.38	
For >100 To 250, Add	0.18	
For >250 To 500, Add	0.08	
09 91 13 00-0355 SF Paint Wood Fences 2 Coats, Brush/Roller.....	1.03	
For Up To 100, Add	0.65	
For >100 To 250, Add	0.31	
For >250 To 500, Add	0.13	
09 91 13 00-0356 SF Paint Wood Fences 1 Coat, Sprayed.....	0.46	
For Up To 100, Add	0.28	
For >100 To 250, Add	0.13	
For >250 To 500, Add	0.06	
09 91 13 00-0357 SF Paint Wood Fences 2 Coats, Sprayed.....	0.85	
For Up To 100, Add	0.51	
For >100 To 250, Add	0.25	
For >250 To 500, Add	0.11	
09 91 13 00-0358 Paint Metal Louvers <small>(09 91 13 00-0309)</small>		
09 91 13 00-0359 SF Paint Ventilation Louver, SF Of Opening Area, 1 Coat Primer, Brush/Roller Work.....	1.30	
For Electrostatic Painting, Add	0.14	
09 91 13 00-0360 SF Paint Ventilation Louver, SF Of Opening Area, 1 Coat Alkyd, Brush/Roller Work	1.31	
For Electrostatic Painting, Add	0.15	
09 91 13 00-0361 SF Paint Ventilation Louver, SF Of Opening Area, 2 Coats Alkyd, Brush/Roller Work.....	2.66	
For Electrostatic Painting, Add	0.30	
09 91 13 00-0362 Paint Ladders <small>(09 91 13 00-0309)</small>		
09 91 13 00-0363 LF Paint Ladders, 1 Coat Alkyd Primer, Brush/Roller Work	3.72	
For Epoxy Paint, Add	0.21	
09 91 13 00-0364 LF Paint Ladders, 1 Coat Alkyd Enamel, Brush/Roller Work	4.15	
For Epoxy Paint, Add	0.23	
09 91 13 00-0365 LF Paint Ladders, 2 Coats Alkyd Enamel, Brush/Roller Work.....	8.24	
For Epoxy Paint, Add	0.44	
09 91 13 00-0366 Paint Handrails <small>(09 91 13 00-0309)</small>		
09 91 13 00-0367 LF Paint Hand Rail And Bracket, 1 Rail, 1 Coat Alkyd Primer, Brush/Roller Work.....	1.44	
For Epoxy Paint, Add	0.09	
09 91 13 00-0368 LF Paint Hand Rail And Bracket, 1 Rail, 1 Coat Alkyd Enamel, Brush/Roller Work	1.60	
For Epoxy Paint, Add	0.10	
09 91 13 00-0369 LF Paint Hand Rail And Bracket, 1 Rail, 2 Coats Alkyd Enamel, Brush/Roller Work	2.67	
For Epoxy Paint, Add	0.15	
09 91 13 00-0370 LF Paint Pipe Rail And Pickets, 1 Rail, 1 Coat Alkyd Primer, Brush/Roller Work.....	2.18	
For Epoxy Paint, Add	0.14	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	09 91	13 00-0371	LF	Paint Pipe Rail And Pickets, 1 Rail, 1 Coat Alkyd Enamel, Brush/Roller Work..... <i>For Epoxy Paint, Add</i>	2.43 0.15	
	09 91	13 00-0372	LF	Paint Pipe Rail And Pickets, 1 Rail, 2 Coats Alkyd Enamel, Brush/Roller Work..... <i>For Epoxy Paint, Add</i>	4.29 0.26	
	09 91	13 00-0373	LF	Paint Pipe Rail And Pickets, 2 Rails, 1 Coat Alkyd Primer, Brush/Roller Work..... <i>For Epoxy Paint, Add</i>	2.39 0.15	
	09 91	13 00-0374	LF	Paint Pipe Rail And Pickets, 2 Rails, 1 Coat Alkyd Enamel, Brush/Roller Work..... <i>For Epoxy Paint, Add</i>	2.66 0.16	
	09 91	13 00-0375	LF	Paint Pipe Rail And Pickets, 2 Rails, 2 Coats Alkyd Enamel, Brush/Roller Work..... <i>For Epoxy Paint, Add</i>	4.60 0.28	
	09 91	13 00-0376	LF	Paint Balustrades, 1 Coat Alkyd Primer, Brush/Roller Work..... <i>For Epoxy Paint, Add</i>	1.49 0.13	
	09 91	13 00-0377	LF	Paint Balustrades, 1 Coat Alkyd Enamel, Brush/Roller Work..... <i>For Epoxy Paint, Add</i>	1.65 0.13	
	09 91	13 00-0378	LF	Paint Balustrades, 2 Coats Alkyd Enamel, Brush/Roller Work..... <i>For Epoxy Paint, Add</i>	2.98 0.25	
	09 91	13 00-0379		Paint Grating <small>(09 91 13 00-0309)</small>		
	09 91	13 00-0380	SF	Paint Gratings And Frames, 1 Coat Primer, Brush/Roller Work..... <i>For Epoxy Paint, Add</i>	2.69 0.16	
	09 91	13 00-0381	SF	Paint Gratings And Frames, 1 Coat Paint, Brush/Roller Work..... <i>For Epoxy Paint, Add</i>	2.71 0.17	
	09 91	13 00-0382	SF	Paint Gratings And Frames, 2 Coats Paint, Brush/Roller Work..... <i>For Epoxy Paint, Add</i>	4.03 0.26	
	09 91	13 00-0383		Equipment And Tanks <small>(09 91 13 00-0309)</small>		
	09 91	13 00-0384		Valves, Primer And Finish Coats <small>(09 91 13 00-0383)</small>		
	09 91	13 00-0385	EA	Prime And Paint 4" And Smaller Valve.....	25.80	
	09 91	13 00-0386	EA	Prime And Paint 6" To 10" Valve.....	31.34	
	09 91	13 00-0387	EA	Prime And Paint 12" To 18" Valve.....	41.47	
	09 91	13 00-0388	EA	Prime And Paint 20" To 24" Valve.....	56.18	
	09 91	13 00-0389	EA	Prime And Paint >24" To 36" Valve.....	76.45	
	09 91	13 00-0390	EA	Prime And Paint >36" To 48" Valve.....	103.19	
	09 91	13 00-0391		Pumps And Motors. Primer And Finish Coats <small>(09 91 13 00-0383)</small>		
	09 91	13 00-0392	EA	Prime And Paint Pump Under 1 HP.....	78.34	
	09 91	13 00-0393	EA	Prime And Paint Pump, 1 HP To 5 HP.....	101.46	
	09 91	13 00-0394	EA	Prime And Paint Pump, >5 HP To 10 HP.....	119.99	
	09 91	13 00-0395	EA	Prime And Paint Pump, >10 HP To 20 HP.....	132.98	
	09 91	13 00-0396	EA	Prime And Paint Pump, >20 HP To 30 HP.....	155.14	
	09 91	13 00-0397	EA	Prime And Paint Pump, >30 HP To 50 HP.....	177.31	
	09 91	13 00-0398	EA	Prime And Paint Pump, >50 HP To 75 HP.....	194.89	
	09 91	13 00-0399	EA	Prime And Paint Pump, >75 HP.....	221.64	
	09 91	13 00-0400		Storage Tanks <small>(09 91 13 00-0383)</small>		
	09 91	13 00-0401	SF	Paint Storage Tank, Exterior Surface, 1 Coat Primer, Roller.....	0.93	
	09 91	13 00-0402	SF	Paint Storage Tank, Exterior Surface, 1 Coat Paint, Roller.....	1.18	
	09 91	13 00-0403	SF	Paint Storage Tank, Exterior Surface, 2 Coats Paint, Roller.....	2.23	
	09 91	13 00-0404	SF	Paint Storage Tank, Interior Surface, 1 Coat Primer, Roller.....	1.31	
	09 91	13 00-0405	SF	Paint Storage Tank, Interior Surface, 1 Coat Paint, Roller.....	1.62	
	09 91	13 00-0406	SF	Paint Storage Tank, Interior Surface, 2 Coats Paint, Roller.....	3.08	
	09 91	13 00-0407	SF	Paint Storage Tank, Exterior Surface, 1 Coat Primer, Spray.....	0.86	
	09 91	13 00-0408	SF	Paint Storage Tank, Exterior Surface, 1 Coat Paint, Spray.....	0.97	
	09 91	13 00-0409	SF	Paint Storage Tank, Exterior Surface, 2 Coats Paint, Spray.....	1.85	
	09 91	13 00-0410	SF	Paint Storage Tank, Interior Surface, 1 Coat Primer, Spray.....	0.99	
	09 91	13 00-0411	SF	Paint Storage Tank, Interior Surface, 1 Coat Paint, Spray.....	1.26	
	09 91	13 00-0412	SF	Paint Storage Tank, Interior Surface, 2 Coats Paint, Spray.....	2.41	
	09 91	13 00-0413		Other Site Work Painting <small>(09 91 13 00-0309)</small>		
	09 91	13 00-0414		Paint Shutters Or Blinds, Solid Panel <small>(09 91 13 00-0413)</small>		
	09 91	13 00-0415	SF	Paint Shutter Or Blinds, Solid Panel, 1 Coat Primer, Brush Work.....	2.92	
	09 91	13 00-0416	SF	Paint Shutter Or Blinds, Solid Panel, 1 Coat, Brush Work.....	2.93	
	09 91	13 00-0417	SF	Paint Shutter Or Blinds, Solid Panel, 2 Coats, Brush Work.....	5.20	
	09 91	13 00-0418	SF	Paint Shutter Or Blinds, Solid Panel, 1 Coat Primer, Sprayed.....	1.57	
	09 91	13 00-0419	SF	Paint Shutter Or Blinds, Solid Panel, 1 Coat, Sprayed.....	1.58	
	09 91	13 00-0420	SF	Paint Shutter Or Blinds, Solid Panel, 2 Coats, Sprayed.....	2.90	
	09 91	13 00-0421		Paint Shutters Or Blinds, Louvered Panel <small>(09 91 13 00-0413)</small>		
	09 91	13 00-0422	SF	Paint Shutter Or Blinds, Louvered Panel, 1 Coat Primer, Brush Work.....	3.64	
	09 91	13 00-0423	SF	Paint Shutter Or Blinds, Louvered Panel, 1 Coat, Brush Work.....	3.65	
	09 91	13 00-0424	SF	Paint Shutter Or Blinds, Louvered Panel, 2 Coats, Brush Work.....	6.45	
	09 91	13 00-0425	SF	Paint Shutter Or Blinds, Louvered Panel, 1 Coat Primer, Sprayed.....	1.92	
	09 91	13 00-0426	SF	Paint Shutter Or Blinds, Louvered Panel, 1 Coat, Sprayed.....	1.93	

09 Finishes**09 90 Painting And Coating****09 91 Painting**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0427 SF Paint Shutter Or Blinds, Louvered Panel, 2 Coats, Sprayed.....	3.55	
09 91 13 00-0428 Paint Flagpoles (09 91 13 00-0413)		
09 91 13 00-0429 EA Paint Steel Flagpole, 20' High, 1 Coat Paint	159.95	
09 91 13 00-0430 EA Paint Steel Flagpole, 30' High, 1 Coat Paint	214.74	
09 91 13 00-0431 EA Paint Steel Flagpole, 40' High, 1 Coat Paint	269.56	
09 91 13 00-0432 EA Paint Steel Flagpole, 50' High, 1 Coat Paint	324.39	
09 91 13 00-0433 EA Paint Steel Flagpole, 70' High, 1 Coat Paint	427.40	
09 91 13 00-0434 EA Paint Steel Flagpole, 80' High, 1 Coat Paint	481.40	
09 91 13 00-0435 EA Paint Steel Flagpole, 90' High, 1 Coat Paint	535.40	
09 91 13 00-0436 Paint Lattice Or Trellis (09 91 13 00-0413)		
09 91 13 00-0437 SF Paint Wood Lattice Or Trellis 1 Coat, Spray Per Side.....	1.24	
For Up To 100, Add	0.86	
For >100 To 250, Add	0.41	
For >250 To 500, Add	0.18	
09 91 13 00-0438 SF Paint Wood Lattice Or Trellis 2 Coats, Spray Per Side.....	2.28	
For Up To 100, Add	1.58	
For >100 To 250, Add	0.75	
For >250 To 500, Add	0.32	
09 91 13 00-0439 Paint Exterior Stairs (09 91 13)		
09 91 13 00-0440 Paint Exterior Concrete Stairs (09 91 13 00-0439)		
09 91 13 00-0441 RSR Paint Exterior Concrete Stair (To 4' Wide), 1 Coat Primer, Brush/Roller Work	16.21	
09 91 13 00-0442 RSR Paint Exterior Concrete Stair (To 4' Wide), 1 Coat Alkyd Enamel, Brush/Roller Work	16.21	
09 91 13 00-0443 RSR Paint Exterior Concrete Stair (To 4' Wide), 1 Coat Non Slip Paint, Brush/Roller Work	19.22	
09 91 13 00-0444 RSR Paint Exterior Concrete Stair (To 4' Wide), 1 Coat Non Slip Epoxy Coating, Brush/Roller Work	27.93	
09 91 13 00-0445 RSR Paint Exterior Concrete Stair (To 4' Wide), 2 Coats Alkyd Enamel, Brush/Roller Work	32.41	
09 91 13 00-0446 Paint Exterior Metal Stairs (09 91 13 00-0439)		
09 91 13 00-0447 RSR Paint Exterior Metal Stair (To 4' Wide), 1 Coat Primer, Brush/Roller Work	8.28	
For Oil Based Paint, Add	0.43	
09 91 13 00-0448 RSR Paint Exterior Metal Stair (To 4' Wide), 1 Coat Alkyd Enamel, Brush/Roller Work	8.28	
For Oil Based Paint, Add	0.43	
09 91 13 00-0449 RSR Paint Exterior Metal Stair (To 4' Wide), 2 Coats Alkyd Enamel, Brush/Roller Work	16.58	
For Oil Based Paint, Add	0.87	
09 91 13 00-0450 Paint Exterior Wood Stairs (09 91 13 00-0439)		
09 91 13 00-0451 RSR Paint Exterior Wood Stair (To 4' Wide), 1 Coat Primer, Brush/Roller Work	8.28	
09 91 13 00-0452 RSR Paint Exterior Wood Stair (To 4' Wide), 1 Coat Alkyd Enamel, Brush/Roller Work	8.28	
09 91 13 00-0453 RSR Paint Exterior Wood Stair (To 4' Wide), 1 Coat Non Slip Paint, Brush/Roller Work	11.29	
09 91 13 00-0454 RSR Paint Exterior Wood Stair (To 4' Wide), 1 Coat Non Slip Epoxy Coating, Brush/Roller Work	20.00	
09 91 13 00-0455 RSR Paint Exterior Wood Stair (To 4' Wide), 2 Coats Alkyd Enamel, Brush/Roller Work	16.57	
09 91 13 00-0456 Paint Exterior Stair Nosing (09 91 13 00-0439)		
09 91 13 00-0457 LF Paint Exterior Yellow Stair Safety Strip, Up To 2", Non Slip, Brush Work	1.35	
09 91 13 00-0458 Paint Exterior Trim (09 91 13)		
09 91 13 00-0459 Paint Exterior Metal Trim And Gutters (09 91 13 00-0458)		
09 91 13 00-0460 SF Paint Exterior Exposed Metal Trim, 1 Coat Primer, Brush Work	1.12	
09 91 13 00-0461 SF Paint Exterior Exposed Metal Trim, 1 Coat Paint, Brush Work	1.12	
09 91 13 00-0462 SF Paint Exterior Exposed Metal Trim, 2 Coats Paint, Brush Work	2.02	
09 91 13 00-0463 SF Paint Exterior Metal Trim, 1 Coat Primer, Brush/Roller Work	0.90	
09 91 13 00-0464 SF Paint Exterior Metal Trim, 1 Coat Paint, Brush/Roller Work	1.01	
09 91 13 00-0465 SF Paint Exterior Metal Trim, 2 Coats Paint, Brush/Roller Work	1.79	
09 91 13 00-0466 LF Paint Exterior Gutter And Downspout, 1 Coat Paint, Brush Work	1.64	
09 91 13 00-0467 LF Paint Exterior Gutter And Downspout, 2 Coats Paint, Brush Work	2.23	
09 91 13 00-0468 Paint Exterior Wood Trim (09 91 13 00-0458)		
09 91 13 00-0469 SF Paint Exterior Wood Trim, 1 Coat Primer, Brush Work	1.31	
For Oil Based Paint, Add	0.08	
09 91 13 00-0470 SF Paint Exterior Wood Trim, 1 Coat Paint, Brush Work	1.42	
For Oil Based Paint, Add	0.08	
09 91 13 00-0471 SF Paint Exterior Wood Trim, 2 Coats Paint, Brush Work	2.58	
For Oil Based Paint, Add	0.15	
09 91 13 00-0472 SF Paint Exterior Wood Trim, 1 Coat Primer, Brush/Roller Work	1.03	
For Oil Based Paint, Add	0.06	
09 91 13 00-0473 SF Paint Exterior Wood Trim, 1 Coat Paint, Brush/Roller Work	1.15	
For Oil Based Paint, Add	0.07	
09 91 13 00-0474 SF Paint Exterior Wood Trim, 2 Coats Paint, Brush/Roller Work	2.13	
For Oil Based Paint, Add	0.13	



Finishes	09	09
Painting And Coating	09 90	
Painting	09 91	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0475 Paint Exterior Miscellaneous Metal Surfaces <small>(09 91 13)</small>		
09 91 13 00-0476 SF Paint Exterior Miscellaneous Metal Surfaces, 1 Coat Alkyd Primer, Brush/Roller Work	1.19	
For Epoxy Paint, Add	0.10	
For Electrostatic Painting, Add	0.14	
09 91 13 00-0477 SF Paint Exterior Miscellaneous Metal Surfaces, 1 Coat Alkyd Enamel, Brush/Roller Work	1.14	
For Epoxy Paint, Add	0.09	
For Electrostatic Painting, Add	0.13	
09 91 13 00-0478 SF Paint Exterior Miscellaneous Metal Surfaces, 2 Coats Alkyd Enamel, Brush/Roller Work	2.30	
For Epoxy Paint, Add	0.18	
For Electrostatic Painting, Add	0.26	
 09 91 23 Interior Painting <small>(09 91)</small>		
<small>Note: Acrylic latex paint unless otherwise stated. VOC compliant in all regulated areas, review specifications for levels.</small>		
09 91 23 00-0001 Paint Interior Walls <small>(09 91 23)</small>		
09 91 23 00-0002 Paint Interior Brick Walls <small>(09 91 23 00-0001)</small>		
09 91 23 00-0003 SF Paint Interior Brick Walls, 1 Coat Filler, Brush Work	0.87	
For Oil Based Paint, Add	0.05	
For Up To 100, Add	0.57	
For >100 To 250, Add	0.27	
For >250 To 500, Add	0.12	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.09	
For >10,000 To 20,000, Deduct	-0.13	
For >20,000, Deduct	-0.17	
09 91 23 00-0004 SF Paint Interior Brick Walls, 1 Coat Paint, Brush Work	1.00	
For Oil Based Paint, Add	0.06	
For Up To 100, Add	0.66	
For >100 To 250, Add	0.31	
For >250 To 500, Add	0.14	
For >2,500 To 5,000, Deduct	-0.05	
For >5,000 To 10,000, Deduct	-0.10	
For >10,000 To 20,000, Deduct	-0.15	
For >20,000, Deduct	-0.20	
09 91 23 00-0005 SF Paint Interior Brick Walls, 2 Coats Paint, Brush Work	1.78	
For Oil Based Paint, Add	0.10	
For Up To 100, Add	1.16	
For >100 To 250, Add	0.55	
For >250 To 500, Add	0.24	
For >2,500 To 5,000, Deduct	-0.09	
For >5,000 To 10,000, Deduct	-0.18	
For >10,000 To 20,000, Deduct	-0.27	
For >20,000, Deduct	-0.36	
09 91 23 00-0006 SF Paint Interior Brick Walls, 1 Coat Filler, Brush/Roller Work	0.71	
For Oil Based Paint, Add	0.04	
For Up To 100, Add	0.45	
For >100 To 250, Add	0.22	
For >250 To 500, Add	0.09	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.07	
For >10,000 To 20,000, Deduct	-0.11	
For >20,000, Deduct	-0.14	
09 91 23 00-0007 SF Paint Interior Brick Walls, 1 Coat Paint, Brush/Roller Work	0.86	
For Oil Based Paint, Add	0.05	
For Up To 100, Add	0.53	
For >100 To 250, Add	0.25	
For >250 To 500, Add	0.11	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.09	
For >10,000 To 20,000, Deduct	-0.13	
For >20,000, Deduct	-0.17	
09 91 23 00-0008 SF Paint Interior Brick Walls, 2 Coats Paint, Brush/Roller Work	1.47	
For Oil Based Paint, Add	0.09	
For Up To 100, Add	0.90	
For >100 To 250, Add	0.43	
For >250 To 500, Add	0.19	
For >2,500 To 5,000, Deduct	-0.07	
For >5,000 To 10,000, Deduct	-0.15	
For >10,000 To 20,000, Deduct	-0.22	
For >20,000, Deduct	-0.29	
09 91 23 00-0009 SF Paint Interior Brick Walls, 1 Coat Filler, Sprayed	0.52	
For Oil Based Paint, Add	0.03	
For Up To 100, Add	0.30	
For >100 To 250, Add	0.14	
For >250 To 500, Add	0.06	
For >2,500 To 5,000, Deduct	-0.03	
For >5,000 To 10,000, Deduct	-0.05	
For >10,000 To 20,000, Deduct	-0.08	
For >20,000, Deduct	-0.10	

09 Finishes**09 90 Painting And Coating****09 91 Painting**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0010 SF Paint Interior Brick Walls, 1 Coat Paint, Sprayed.....	0.58	
For Oil Based Paint, Add	0.04	
For Up To 100, Add	0.31	
For >100 To 250, Add	0.15	
For >250 To 500, Add	0.07	
For >2,500 To 5,000, Deduct	-0.03	
For >5,000 To 10,000, Deduct	-0.06	
For >10,000 To 20,000, Deduct	-0.09	
For >20,000, Deduct	-0.12	
09 91 23 00-0011 SF Paint Interior Brick Walls, 2 Coats Paint, Sprayed.....	1.01	
For Oil Based Paint, Add	0.07	
For Up To 100, Add	0.54	
For >100 To 250, Add	0.26	
For >250 To 500, Add	0.12	
For >2,500 To 5,000, Deduct	-0.05	
For >5,000 To 10,000, Deduct	-0.10	
For >10,000 To 20,000, Deduct	-0.15	
For >20,000, Deduct	-0.20	
09 91 23 00-0012 SF Paint Interior Brick Walls, 1 Coat Bonding Agent, Brush Work.....	0.89	
For Up To 100, Add	0.58	
For >100 To 250, Add	0.27	
For >250 To 500, Add	0.12	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.09	
For >10,000 To 20,000, Deduct	-0.13	
For >20,000, Deduct	-0.18	
09 91 23 00-0013 SF Paint Interior Brick Walls, 1 Coat Bonding Agent, Brush/Roller Work.....	0.73	
For Up To 100, Add	0.46	
For >100 To 250, Add	0.22	
For >250 To 500, Add	0.09	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.07	
For >10,000 To 20,000, Deduct	-0.11	
For >20,000, Deduct	-0.15	
09 91 23 00-0014 SF Paint Interior Brick Walls, 1 Coat Bonding Agent, Spray.....	0.55	
For Up To 100, Add	0.30	
For >100 To 250, Add	0.15	
For >250 To 500, Add	0.06	
For >2,500 To 5,000, Deduct	-0.03	
For >5,000 To 10,000, Deduct	-0.06	
For >10,000 To 20,000, Deduct	-0.08	
For >20,000, Deduct	-0.11	
09 91 23 00-0015 Paint Interior Concrete Walls (09 91 23 00-0001)		
09 91 23 00-0016 SF Paint Interior Concrete Walls, 1 Coat Filler, Brush Work.....	0.74	
For Oil Based Paint, Add	0.04	
For Epoxy Paint, Add	0.07	
For Up To 100, Add	0.49	
For >100 To 250, Add	0.23	
For >250 To 500, Add	0.10	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.07	
For >10,000 To 20,000, Deduct	-0.11	
For >20,000, Deduct	-0.15	
09 91 23 00-0017 SF Paint Interior Concrete Walls, 1 Coat Paint, Brush Work.....	0.82	
For Oil Based Paint, Add	0.05	
For Epoxy Paint, Add	0.07	
For Up To 100, Add	0.56	
For >100 To 250, Add	0.26	
For >250 To 500, Add	0.11	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.08	
For >10,000 To 20,000, Deduct	-0.12	
For >20,000, Deduct	-0.16	
09 91 23 00-0018 SF Paint Interior Concrete Walls, 2 Coats Paint, Brush Work.....	1.48	
For Oil Based Paint, Add	0.08	
For Epoxy Paint, Add	0.11	
For Up To 100, Add	1.04	
For >100 To 250, Add	0.49	
For >250 To 500, Add	0.21	
For >2,500 To 5,000, Deduct	-0.07	
For >5,000 To 10,000, Deduct	-0.15	
For >10,000 To 20,000, Deduct	-0.22	
For >20,000, Deduct	-0.30	
09 91 23 00-0019 SF Paint Interior Concrete Walls, 1 Coat Filler, Brush/Roller Work.....	0.60	
For Oil Based Paint, Add	0.04	
For Epoxy Paint, Add	0.06	
For Up To 100, Add	0.38	
For >100 To 250, Add	0.18	
For >250 To 500, Add	0.08	
For >2,500 To 5,000, Deduct	-0.03	
For >5,000 To 10,000, Deduct	-0.06	
For >10,000 To 20,000, Deduct	-0.09	
For >20,000, Deduct	-0.12	



Finishes	09	09
Painting And Coating	09 90	
Painting	09 91	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0020 SF Paint Interior Concrete Walls, 1 Coat Paint, Brush/Roller Work.....	0.68	
For Oil Based Paint, Add	0.04	
For Epoxy Paint, Add	0.06	
For Up To 100, Add	0.46	
For >100 To 250, Add	0.22	
For >250 To 500, Add	0.09	
For >2,500 To 5,000, Deduct	-0.03	
For >5,000 To 10,000, Deduct	-0.07	
For >10,000 To 20,000, Deduct	-0.10	
For >20,000, Deduct	-0.14	
09 91 23 00-0021 SF Paint Interior Concrete Walls, 2 Coats Paint, Brush/Roller Work.....	1.23	
For Oil Based Paint, Add	0.07	
For Epoxy Paint, Add	0.11	
For Up To 100, Add	0.82	
For >100 To 250, Add	0.39	
For >250 To 500, Add	0.17	
For >2,500 To 5,000, Deduct	-0.06	
For >5,000 To 10,000, Deduct	-0.12	
For >10,000 To 20,000, Deduct	-0.18	
For >20,000, Deduct	-0.25	
09 91 23 00-0022 SF Paint Interior Concrete Walls, 1 Coat Filler, Sprayed.....	0.42	
For Oil Based Paint, Add	0.03	
For Epoxy Paint, Add	0.06	
For Up To 100, Add	0.24	
For >100 To 250, Add	0.11	
For >250 To 500, Add	0.05	
For >2,500 To 5,000, Deduct	-0.02	
For >5,000 To 10,000, Deduct	-0.04	
For >10,000 To 20,000, Deduct	-0.06	
For >20,000, Deduct	-0.08	
09 91 23 00-0023 SF Paint Interior Concrete Walls, 1 Coat Paint, Sprayed.....	0.48	
For Oil Based Paint, Add	0.03	
For Epoxy Paint, Add	0.06	
For Up To 100, Add	0.29	
For >100 To 250, Add	0.14	
For >250 To 500, Add	0.06	
For >2,500 To 5,000, Deduct	-0.02	
For >5,000 To 10,000, Deduct	-0.05	
For >10,000 To 20,000, Deduct	-0.07	
For >20,000, Deduct	-0.10	
09 91 23 00-0024 SF Paint Interior Concrete Walls, 2 Coats Paint, Sprayed.....	0.78	
For Oil Based Paint, Add	0.05	
For Epoxy Paint, Add	0.10	
For Up To 100, Add	0.46	
For >100 To 250, Add	0.22	
For >250 To 500, Add	0.10	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.08	
For >10,000 To 20,000, Deduct	-0.12	
For >20,000, Deduct	-0.16	
09 91 23 00-0025 SF Paint Interior Concrete Walls, 1 Coat Bonding Agent, Brush Work.....	0.76	
For Up To 100, Add	0.49	
For >100 To 250, Add	0.23	
For >250 To 500, Add	0.10	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.08	
For >10,000 To 20,000, Deduct	-0.11	
For >20,000, Deduct	-0.15	
09 91 23 00-0026 SF Paint Interior Concrete Walls, 1 Coat Bonding Agent, Brush/Roller Work.....	0.62	
For Up To 100, Add	0.39	
For >100 To 250, Add	0.18	
For >250 To 500, Add	0.08	
For >2,500 To 5,000, Deduct	-0.03	
For >5,000 To 10,000, Deduct	-0.06	
For >10,000 To 20,000, Deduct	-0.09	
For >20,000, Deduct	-0.12	
09 91 23 00-0027 SF Paint Interior Concrete Walls, 1 Coat Bonding Agent, Sprayed.....	0.44	
For Up To 100, Add	0.24	
For >100 To 250, Add	0.12	
For >250 To 500, Add	0.05	
For >2,500 To 5,000, Deduct	-0.02	
For >5,000 To 10,000, Deduct	-0.04	
For >10,000 To 20,000, Deduct	-0.07	
For >20,000, Deduct	-0.09	
09 91 23 00-0028 Paint Interior Concrete Block Walls (09 91 23 00-0001)		
09 91 23 00-0029 Paint Interior Concrete Block Walls, Epoxy Paint (09 91 23 00-0028)		
09 91 23 00-0030 SF Paint Interior Concrete Block Walls, 1 Coat Epoxy Filler, Brush Work.....	1.01	
For Up To 100, Add	0.64	
For >100 To 250, Add	0.31	
For >250 To 500, Add	0.13	
For >2,500 To 5,000, Deduct	-0.05	
For >5,000 To 10,000, Deduct	-0.10	
For >10,000 To 20,000, Deduct	-0.15	
For >20,000, Deduct	-0.20	

09 Finishes**09 90 Painting And Coating****09 91 Painting**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0031 SF Paint Interior Concrete Block Walls, 1 Coat Epoxy Paint, Brush.....	1.17	
For Up To 100, Add	0.76	
For >100 To 250, Add	0.36	
For >250 To 500, Add	0.16	
For >2,500 To 5,000, Deduct	-0.06	
For >5,000 To 10,000, Deduct	-0.12	
For >10,000 To 20,000, Deduct	-0.18	
For >20,000, Deduct	-0.23	
09 91 23 00-0032 SF Paint Interior Concrete Block Walls, 2 Coats Epoxy Paint, Brush Work.....	2.09	
For Up To 100, Add	1.33	
For >100 To 250, Add	0.63	
For >250 To 500, Add	0.27	
For >2,500 To 5,000, Deduct	-0.10	
For >5,000 To 10,000, Deduct	-0.21	
For >10,000 To 20,000, Deduct	-0.31	
For >20,000, Deduct	-0.42	
09 91 23 00-0033 SF Paint Interior Concrete Block Walls, 1 Coat Epoxy Filler, Brush/Roller Work	0.82	
For Up To 100, Add	0.50	
For >100 To 250, Add	0.24	
For >250 To 500, Add	0.10	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.08	
For >10,000 To 20,000, Deduct	-0.12	
For >20,000, Deduct	-0.16	
09 91 23 00-0034 SF Paint Interior Concrete Block Walls, 1 Coat Epoxy Paint, Brush/Roller Work	0.91	
For Up To 100, Add	0.57	
For >100 To 250, Add	0.27	
For >250 To 500, Add	0.12	
For >2,500 To 5,000, Deduct	-0.05	
For >5,000 To 10,000, Deduct	-0.09	
For >10,000 To 20,000, Deduct	-0.14	
For >20,000, Deduct	-0.18	
09 91 23 00-0035 SF Paint Interior Concrete Block Walls, 2 Coats Epoxy Paint, Brush/Roller Work	1.72	
For Up To 100, Add	1.06	
For >100 To 250, Add	0.50	
For >250 To 500, Add	0.22	
For >2,500 To 5,000, Deduct	-0.09	
For >5,000 To 10,000, Deduct	-0.17	
For >10,000 To 20,000, Deduct	-0.26	
For >20,000, Deduct	-0.34	
09 91 23 00-0036 SF Paint Interior Concrete Block Walls, 1 Coat Epoxy Filler, Sprayed	0.58	
For Up To 100, Add	0.29	
For >100 To 250, Add	0.14	
For >250 To 500, Add	0.06	
For >2,500 To 5,000, Deduct	-0.03	
For >5,000 To 10,000, Deduct	-0.06	
For >10,000 To 20,000, Deduct	-0.09	
For >20,000, Deduct	-0.12	
09 91 23 00-0037 SF Paint Interior Concrete Block Walls, 1 Coat Epoxy Paint, Sprayed.....	0.71	
For Up To 100, Add	0.39	
For >100 To 250, Add	0.19	
For >250 To 500, Add	0.08	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.07	
For >10,000 To 20,000, Deduct	-0.11	
For >20,000, Deduct	-0.14	
09 91 23 00-0038 SF Paint Interior Concrete Block Walls, 2 Coats Epoxy Paint, Sprayed.....	1.28	
For Up To 100, Add	0.67	
For >100 To 250, Add	0.33	
For >250 To 500, Add	0.14	
For >2,500 To 5,000, Deduct	-0.06	
For >5,000 To 10,000, Deduct	-0.13	
For >10,000 To 20,000, Deduct	-0.19	
For >20,000, Deduct	-0.26	
09 91 23 00-0039 Paint Interior Concrete Block Walls, Acrylic Latex Paint <small>(09 91 23 00-0028)</small>	0.95	
09 91 23 00-0040 SF Paint Interior Concrete Block Walls, 1 Coat Filler, Brush Work.....	0.95	
For Oil Based Paint, Add	0.05	
For Up To 100, Add	0.63	
For >100 To 250, Add	0.30	
For >250 To 500, Add	0.13	
For >2,500 To 5,000, Deduct	-0.05	
For >5,000 To 10,000, Deduct	-0.10	
For >10,000 To 20,000, Deduct	-0.14	
For >20,000, Deduct	-0.19	
09 91 23 00-0041 SF Paint Interior Concrete Block Walls, 1 Coat Paint, Brush Work	1.12	
For Oil Based Paint, Add	0.06	
For Up To 100, Add	0.74	
For >100 To 250, Add	0.35	
For >250 To 500, Add	0.15	
For >2,500 To 5,000, Deduct	-0.06	
For >5,000 To 10,000, Deduct	-0.11	
For >10,000 To 20,000, Deduct	-0.17	
For >20,000, Deduct	-0.22	



Finishes	09	09
Painting And Coating	09 90	
Painting	09 91	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0042 SF Paint Interior Concrete Block Walls, 2 Coats Paint, Brush Work	2.02	
For Oil Based Paint, Add	0.12	
For Up To 100, Add	1.31	
For >100 To 250, Add	0.62	
For >250 To 500, Add	0.27	
For >2,500 To 5,000, Deduct	-0.10	
For >5,000 To 10,000, Deduct	-0.20	
For >10,000 To 20,000, Deduct	-0.30	
For >20,000, Deduct	-0.40	
09 91 23 00-0043 SF Paint Interior Concrete Block Walls, Texture Coat, Brush Work	1.24	
For Oil Based Paint, Add	0.07	
For Up To 100, Add	0.82	
For >100 To 250, Add	0.39	
For >250 To 500, Add	0.17	
For >2,500 To 5,000, Deduct	-0.06	
For >5,000 To 10,000, Deduct	-0.12	
For >10,000 To 20,000, Deduct	-0.19	
For >20,000, Deduct	-0.25	
09 91 23 00-0044 SF Paint Interior Concrete Block Walls, 1 Coat Filler, Brush/Roller Work	0.80	
For Oil Based Paint, Add	0.05	
For Up To 100, Add	0.52	
For >100 To 250, Add	0.25	
For >250 To 500, Add	0.11	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.08	
For >10,000 To 20,000, Deduct	-0.12	
For >20,000, Deduct	-0.16	
09 91 23 00-0045 SF Paint Interior Concrete Block Walls, 1 Coat Paint, Brush/Roller Work.....	0.94	
For Oil Based Paint, Add	0.06	
For Up To 100, Add	0.60	
For >100 To 250, Add	0.29	
For >250 To 500, Add	0.12	
For >2,500 To 5,000, Deduct	-0.05	
For >5,000 To 10,000, Deduct	-0.09	
For >10,000 To 20,000, Deduct	-0.14	
For >20,000, Deduct	-0.19	
09 91 23 00-0046 SF Paint Interior Concrete Block Walls, 2 Coats Paint, Brush/Roller Work	1.68	
For Oil Based Paint, Add	0.10	
For Up To 100, Add	1.06	
For >100 To 250, Add	0.50	
For >250 To 500, Add	0.22	
For >2,500 To 5,000, Deduct	-0.08	
For >5,000 To 10,000, Deduct	-0.17	
For >10,000 To 20,000, Deduct	-0.25	
For >20,000, Deduct	-0.34	
09 91 23 00-0047 SF Paint Interior Concrete Block Walls, Texture Coat, Brush/Roller Work.....	1.05	
For Oil Based Paint, Add	0.06	
For Up To 100, Add	0.67	
For >100 To 250, Add	0.32	
For >250 To 500, Add	0.14	
For >2,500 To 5,000, Deduct	-0.05	
For >5,000 To 10,000, Deduct	-0.11	
For >10,000 To 20,000, Deduct	-0.16	
For >20,000, Deduct	-0.21	
09 91 23 00-0048 SF Paint Interior Concrete Block Walls, 1 Coat Filler, Sprayed.....	0.59	
For Oil Based Paint, Add	0.04	
For Up To 100, Add	0.34	
For >100 To 250, Add	0.16	
For >250 To 500, Add	0.07	
For >2,500 To 5,000, Deduct	-0.03	
For >5,000 To 10,000, Deduct	-0.06	
For >10,000 To 20,000, Deduct	-0.09	
For >20,000, Deduct	-0.12	
09 91 23 00-0049 SF Paint Interior Concrete Block Walls, 1 Coat Paint, Sprayed	0.68	
For Oil Based Paint, Add	0.04	
For Up To 100, Add	0.38	
For >100 To 250, Add	0.19	
For >250 To 500, Add	0.08	
For >2,500 To 5,000, Deduct	-0.03	
For >5,000 To 10,000, Deduct	-0.07	
For >10,000 To 20,000, Deduct	-0.10	
For >20,000, Deduct	-0.14	
09 91 23 00-0050 SF Paint Interior Concrete Block Walls, 2 Coats Paint, Sprayed.....	0.97	
For Oil Based Paint, Add	0.06	
For Up To 100, Add	0.57	
For >100 To 250, Add	0.27	
For >250 To 500, Add	0.12	
For >2,500 To 5,000, Deduct	-0.05	
For >5,000 To 10,000, Deduct	-0.10	
For >10,000 To 20,000, Deduct	-0.15	
For >20,000, Deduct	-0.19	

09	09 Finishes
	09 90 Painting And Coating
	09 91 Painting



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0051 SF Paint Interior Concrete Block Walls, Texture Coat, Sprayed.....	0.80	
For Oil Based Paint, Add	0.05	
For Up To 100, Add	0.44	
For >100 To 250, Add	0.22	
For >250 To 500, Add	0.09	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.08	
For >10,000 To 20,000, Deduct	-0.12	
For >20,000, Deduct	-0.16	
09 91 23 00-0052 Paint Interior Concrete Block Walls With Bonding Agent (09 91 23 00-0028)		
09 91 23 00-0053 SF Paint Interior Concrete Block Walls, 1 Coat Bonding Agent, Brush	0.97	
For Up To 100, Add	0.64	
For >100 To 250, Add	0.30	
For >250 To 500, Add	0.13	
For >2,500 To 5,000, Deduct	-0.05	
For >5,000 To 10,000, Deduct	-0.10	
For >10,000 To 20,000, Deduct	-0.15	
For >20,000, Deduct	-0.19	
09 91 23 00-0054 SF Paint Interior Concrete Block Walls, 1 Coat Bonding Agent, Brush/Roller Work.....	0.82	
For Up To 100, Add	0.53	
For >100 To 250, Add	0.25	
For >250 To 500, Add	0.11	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.08	
For >10,000 To 20,000, Deduct	-0.12	
For >20,000, Deduct	-0.16	
09 91 23 00-0055 SF Paint Interior Concrete Block Walls, 1 Coat Bonding Agent, Sprayed	0.62	
For Up To 100, Add	0.35	
For >100 To 250, Add	0.17	
For >250 To 500, Add	0.07	
For >2,500 To 5,000, Deduct	-0.03	
For >5,000 To 10,000, Deduct	-0.06	
For >10,000 To 20,000, Deduct	-0.09	
For >20,000, Deduct	-0.12	
09 91 23 00-0056 Paint Interior Plaster/Drywall Walls (09 91 23 00-0001)		
09 91 23 00-0057 Paint Interior Plaster/Drywall Walls (09 91 23 00-0056)		
09 91 23 00-0058 SF Paint Interior Plaster/Drywall Walls, 1 Coat Primer, Brush Work	0.78	
For Oil Based Paint, Add	0.04	
For Orange Peel Finish, Add	0.11	
For Up To 100, Add	0.52	
For >100 To 250, Add	0.25	
For >250 To 500, Add	0.11	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.08	
For >10,000 To 20,000, Deduct	-0.12	
For >20,000, Deduct	-0.16	
09 91 23 00-0059 SF Paint Interior Plaster/Drywall Walls, 1 Coat Paint, Brush Work.....	0.83	
For Oil Based Paint, Add	0.05	
For Orange Peel Finish, Add	0.12	
For Each Coat With Egg Shell Finish, Add	0.01	
For Up To 100, Add	0.57	
For >100 To 250, Add	0.27	
For >250 To 500, Add	0.12	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.08	
For >10,000 To 20,000, Deduct	-0.12	
For >20,000, Deduct	-0.17	
09 91 23 00-0060 SF Paint Interior Plaster/Drywall Walls, 2 Coats Paint, Brush Work.....	1.50	
For Oil Based Paint, Add	0.08	
For Orange Peel Finish, Add	0.21	
For Each Coat With Egg Shell Finish, Add	0.01	
For Up To 100, Add	1.02	
For >100 To 250, Add	0.48	
For >250 To 500, Add	0.21	
For >2,500 To 5,000, Deduct	-0.08	
For >5,000 To 10,000, Deduct	-0.15	
For >10,000 To 20,000, Deduct	-0.23	
For >20,000, Deduct	-0.30	
09 91 23 00-0061 SF Paint Interior Plaster/Drywall Walls, 3 Coats Paint, Brush	2.14	
For Oil Based Paint, Add	0.12	
For Orange Peel Finish, Add	0.30	
For Each Coat With Egg Shell Finish, Add	0.01	
For Up To 100, Add	1.45	
For >100 To 250, Add	0.68	
For >250 To 500, Add	0.30	
For >2,500 To 5,000, Deduct	-0.11	
For >5,000 To 10,000, Deduct	-0.21	
For >10,000 To 20,000, Deduct	-0.32	
For >20,000, Deduct	-0.43	



Finishes	09	09
Painting And Coating	09 90	
Painting	09 91	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0062 SF Paint Interior Plaster/Drywall Walls, 1 Coat Primer, Brush/Roller Work.....	0.61	
For Oil Based Paint, Add	0.04	
For Orange Peel Finish, Add	0.08	
For Up To 100, Add	0.39	
For >100 To 250, Add	0.19	
For >250 To 500, Add	0.08	
For >2,500 To 5,000, Deduct	-0.03	
For >5,000 To 10,000, Deduct	-0.06	
For >10,000 To 20,000, Deduct	-0.09	
For >20,000, Deduct	-0.12	
09 91 23 00-0063 SF Paint Interior Plaster/Drywall Walls, 1 Coat Paint, Brush/Roller Work.....	0.70	
For Oil Based Paint, Add	0.04	
For Orange Peel Finish, Add	0.10	
For Each Coat With Egg Shell Finish, Add	0.01	
For Up To 100, Add	0.47	
For >100 To 250, Add	0.22	
For >250 To 500, Add	0.10	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.07	
For >10,000 To 20,000, Deduct	-0.11	
For >20,000, Deduct	-0.14	
09 91 23 00-0064 SF Paint Interior Plaster/Drywall Walls, 2 Coats Paint, Brush/Roller Work.....	1.22	
For Oil Based Paint, Add	0.07	
For Orange Peel Finish, Add	0.17	
For Each Coat With Egg Shell Finish, Add	0.01	
For Up To 100, Add	0.80	
For >100 To 250, Add	0.38	
For >250 To 500, Add	0.16	
For >2,500 To 5,000, Deduct	-0.06	
For >5,000 To 10,000, Deduct	-0.12	
For >10,000 To 20,000, Deduct	-0.18	
For >20,000, Deduct	-0.24	
09 91 23 00-0065 SF Paint Interior Plaster/Drywall Walls, 1 Coat Primer, Sprayed.....	0.41	
For Oil Based Paint, Add	0.03	
For Up To 100, Add	0.23	
For >100 To 250, Add	0.11	
For >250 To 500, Add	0.05	
For >2,500 To 5,000, Deduct	-0.02	
For >5,000 To 10,000, Deduct	-0.04	
For >10,000 To 20,000, Deduct	-0.06	
For >20,000, Deduct	-0.08	
09 91 23 00-0066 SF Paint Interior Plaster/Drywall Walls, 1 Coat Paint, Sprayed.....	0.48	
For Oil Based Paint, Add	0.03	
For Each Coat With Egg Shell Finish, Add	0.01	
For Up To 100, Add	0.29	
For >100 To 250, Add	0.14	
For >250 To 500, Add	0.06	
For >2,500 To 5,000, Deduct	-0.02	
For >5,000 To 10,000, Deduct	-0.05	
For >10,000 To 20,000, Deduct	-0.07	
For >20,000, Deduct	-0.10	
09 91 23 00-0067 SF Paint Interior Plaster/Drywall Walls, 2 Coats Paint, Sprayed.....	0.78	
For Oil Based Paint, Add	0.05	
For Each Coat With Egg Shell Finish, Add	0.01	
For Up To 100, Add	0.46	
For >100 To 250, Add	0.22	
For >250 To 500, Add	0.10	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.08	
For >10,000 To 20,000, Deduct	-0.12	
For >20,000, Deduct	-0.16	
09 91 23 00-0068 Paint Interior Plaster/Drywall Or Masonry Walls With Polymix Multi-Color		
Paint (09 91 23 00-0068)		
09 91 23 00-0069 SF Paint Interior Plaster/Drywall Or Masonry Walls, 2 Tone Polymix With Base Coat, Sprayed.....	1.47	
For Up To 100, Add	0.72	
For >100 To 250, Add	0.35	
For >250 To 500, Add	0.16	
For >2,500 To 5,000, Deduct	-0.07	
For >5,000 To 10,000, Deduct	-0.15	
For >10,000 To 20,000, Deduct	-0.22	
For >20,000, Deduct	-0.29	
09 91 23 00-0070 SF Paint Interior Plaster/Drywall Or Masonry Walls, 3 Tone Polymix With Base Coat, Sprayed.....	1.58	
For Up To 100, Add	0.74	
For >100 To 250, Add	0.37	
For >250 To 500, Add	0.16	
For >2,500 To 5,000, Deduct	-0.08	
For >5,000 To 10,000, Deduct	-0.16	
For >10,000 To 20,000, Deduct	-0.24	
For >20,000, Deduct	-0.32	

09 Finishes**09 90 Painting And Coating****09 91 Painting**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0071	SF		Paint Interior Plaster/Drywall Or Masonry Walls, 4 Tone Polymix With Base Coat, Sprayed.....	1.69	
			<i>For Up To 100, Add</i>	0.75	
			<i>For >100 To 250, Add</i>	0.38	
			<i>For >250 To 500, Add</i>	0.17	
			<i>For >2,500 To 5,000, Deduct</i>	-0.08	
			<i>For >5,000 To 10,000, Deduct</i>	-0.17	
			<i>For >10,000 To 20,000, Deduct</i>	-0.25	
			<i>For >20,000, Deduct</i>	-0.34	
09 91 23 00-0072			Paint Interior Plaster/Drywall Walls, Acoustic Texture (09 91 23 00-0056)		
09 91 23 00-0073	SF		Paint Interior Plaster/Drywall Walls, Acoustic Texture, 1 Coat Primer, Sprayed.....	0.63	
			<i>For Up To 100, Add</i>	0.37	
			<i>For >100 To 250, Add</i>	0.18	
			<i>For >250 To 500, Add</i>	0.08	
			<i>For >2,500 To 5,000, Deduct</i>	-0.03	
			<i>For >5,000 To 10,000, Deduct</i>	-0.06	
			<i>For >10,000 To 20,000, Deduct</i>	-0.09	
			<i>For >20,000, Deduct</i>	-0.13	
09 91 23 00-0074	SF		Paint Interior Plaster/Drywall Walls, Acoustic Texture, 1 Coat Finish, Sprayed.....	0.76	
			<i>For Up To 100, Add</i>	0.47	
			<i>For >100 To 250, Add</i>	0.22	
			<i>For >250 To 500, Add</i>	0.10	
			<i>For >2,500 To 5,000, Deduct</i>	-0.04	
			<i>For >5,000 To 10,000, Deduct</i>	-0.08	
			<i>For >10,000 To 20,000, Deduct</i>	-0.11	
			<i>For >20,000, Deduct</i>	-0.15	
09 91 23 00-0075	SF		Paint Interior Plaster/Drywall Walls, Acoustic Texture, 2 Coats Finish, Sprayed.....	1.16	
			<i>For Up To 100, Add</i>	0.67	
			<i>For >100 To 250, Add</i>	0.32	
			<i>For >250 To 500, Add</i>	0.14	
			<i>For >2,500 To 5,000, Deduct</i>	-0.06	
			<i>For >5,000 To 10,000, Deduct</i>	-0.12	
			<i>For >10,000 To 20,000, Deduct</i>	-0.17	
			<i>For >20,000, Deduct</i>	-0.23	
09 91 23 00-0076	SF		Paint Interior Plaster/Drywall Walls, Stipple Finish (Drippowder).....	1.48	
			<i>For Up To 100, Add</i>	1.07	
			<i>For >100 To 250, Add</i>	0.50	
			<i>For >250 To 500, Add</i>	0.22	
			<i>For >2,500 To 5,000, Deduct</i>	-0.07	
			<i>For >5,000 To 10,000, Deduct</i>	-0.15	
			<i>For >10,000 To 20,000, Deduct</i>	-0.22	
			<i>For >20,000, Deduct</i>	-0.30	
09 91 23 00-0077			Paint Interior Metal Walls (09 91 23 00-0001)		
09 91 23 00-0078			Paint Interior Galvanized Walls (09 91 23 00-0077)		
			Note: Linseed oil or acrylic latex paint.		
09 91 23 00-0079	SF		Paint Interior Galvanized Wall Surfaces, 1 Coat Primer, Brush Work.....	0.89	
			<i>For Electrostatic Painting, Add</i>	0.11	
			<i>For Up To 100, Add</i>	0.58	
			<i>For >100 To 250, Add</i>	0.27	
			<i>For >250 To 500, Add</i>	0.12	
			<i>For >2,500 To 5,000, Deduct</i>	-0.04	
			<i>For >5,000 To 10,000, Deduct</i>	-0.09	
			<i>For >10,000 To 20,000, Deduct</i>	-0.13	
			<i>For >20,000, Deduct</i>	-0.18	
09 91 23 00-0080	SF		Paint Interior Galvanized Wall Surfaces, 1 Coat Paint, Brush Work.....	0.99	
			<i>For Electrostatic Painting, Add</i>	0.12	
			<i>For Up To 100, Add</i>	0.65	
			<i>For >100 To 250, Add</i>	0.31	
			<i>For >250 To 500, Add</i>	0.13	
			<i>For >2,500 To 5,000, Deduct</i>	-0.05	
			<i>For >5,000 To 10,000, Deduct</i>	-0.10	
			<i>For >10,000 To 20,000, Deduct</i>	-0.15	
			<i>For >20,000, Deduct</i>	-0.20	
09 91 23 00-0081	SF		Paint Interior Galvanized Wall Surfaces, 2 Coats Paint, Brush Work.....	1.78	
			<i>For Electrostatic Painting, Add</i>	0.22	
			<i>For Up To 100, Add</i>	1.16	
			<i>For >100 To 250, Add</i>	0.55	
			<i>For >250 To 500, Add</i>	0.24	
			<i>For >2,500 To 5,000, Deduct</i>	-0.09	
			<i>For >5,000 To 10,000, Deduct</i>	-0.18	
			<i>For >10,000 To 20,000, Deduct</i>	-0.27	
			<i>For >20,000, Deduct</i>	-0.36	
09 91 23 00-0082	SF		Paint Interior Galvanized Walls, 1 Coat Primer, Brush/Roller Work.....	0.65	
			<i>For Electrostatic Painting, Add</i>	0.08	
			<i>For Up To 100, Add</i>	0.42	
			<i>For >100 To 250, Add</i>	0.20	
			<i>For >250 To 500, Add</i>	0.09	
			<i>For >2,500 To 5,000, Deduct</i>	-0.03	
			<i>For >5,000 To 10,000, Deduct</i>	-0.07	
			<i>For >10,000 To 20,000, Deduct</i>	-0.10	
			<i>For >20,000, Deduct</i>	-0.13	



Finishes	09	9
Painting And Coating	09 90	
Painting	09 91	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0083 SF Paint Interior Galvanized Wall , 1 Coat Paint, Brush/Roller Work.....	0.76	
For Electrostatic Painting, Add	0.10	
For Up To 100, Add	0.49	
For >100 To 250, Add	0.23	
For >250 To 500, Add	0.10	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.08	
For >10,000 To 20,000, Deduct	-0.11	
For >20,000, Deduct	-0.15	
09 91 23 00-0084 SF Paint Interior Galvanized Walls, 2 Coats Paint, Brush/Roller Work	1.41	
For Electrostatic Painting, Add	0.18	
For Up To 100, Add	0.90	
For >100 To 250, Add	0.43	
For >250 To 500, Add	0.19	
For >2,500 To 5,000, Deduct	-0.07	
For >5,000 To 10,000, Deduct	-0.14	
For >10,000 To 20,000, Deduct	-0.21	
For >20,000, Deduct	-0.28	
09 91 23 00-0085 SF Paint Interior Galvanized Walls, 1 Coat Primer, Sprayed	0.43	
For Electrostatic Painting, Add	0.07	
For Up To 100, Add	0.22	
For >100 To 250, Add	0.11	
For >250 To 500, Add	0.05	
For >2,500 To 5,000, Deduct	-0.02	
For >5,000 To 10,000, Deduct	-0.04	
For >10,000 To 20,000, Deduct	-0.06	
For >20,000, Deduct	-0.09	
09 91 23 00-0086 SF Paint Interior Galvanized Walls, 1 Coat Paint, Sprayed.....	0.59	
For Electrostatic Painting, Add	0.08	
For Up To 100, Add	0.34	
For >100 To 250, Add	0.16	
For >250 To 500, Add	0.07	
For >2,500 To 5,000, Deduct	-0.03	
For >5,000 To 10,000, Deduct	-0.06	
For >10,000 To 20,000, Deduct	-0.09	
For >20,000, Deduct	-0.12	
09 91 23 00-0087 SF Paint Interior Galvanized Walls, 2 Coats Paint, Sprayed	0.97	
For Electrostatic Painting, Add	0.15	
For Up To 100, Add	0.52	
For >100 To 250, Add	0.25	
For >250 To 500, Add	0.11	
For >2,500 To 5,000, Deduct	-0.05	
For >5,000 To 10,000, Deduct	-0.10	
For >10,000 To 20,000, Deduct	-0.15	
For >20,000, Deduct	-0.19	
09 91 23 00-0088 Paint Interior Aluminum And Aluminum Alloy Walls (09 91 23 00-0077)		
Note: Alkyd enamel paint.		
09 91 23 00-0089 SF Paint Interior Aluminum And Aluminum Alloy Wall Surfaces, 1 Coat Primer, Brush Work.....	0.89	
For Electrostatic Painting, Add	0.11	
For Up To 100, Add	0.58	
For >100 To 250, Add	0.27	
For >250 To 500, Add	0.12	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.09	
For >10,000 To 20,000, Deduct	-0.13	
For >20,000, Deduct	-0.18	
09 91 23 00-0090 SF Paint Interior Aluminum And Aluminum Alloy Wall Surfaces, 1 Coat Paint, Brush Work	0.99	
For Electrostatic Painting, Add	0.12	
For Up To 100, Add	0.65	
For >100 To 250, Add	0.31	
For >250 To 500, Add	0.13	
For >2,500 To 5,000, Deduct	-0.05	
For >5,000 To 10,000, Deduct	-0.10	
For >10,000 To 20,000, Deduct	-0.15	
For >20,000, Deduct	-0.20	
09 91 23 00-0091 SF Paint Interior Aluminum And Aluminum Alloy Wall Surfaces, 2 Coats Paint, Brush Work	1.78	
For Electrostatic Painting, Add	0.22	
For Up To 100, Add	1.16	
For >100 To 250, Add	0.55	
For >250 To 500, Add	0.24	
For >2,500 To 5,000, Deduct	-0.09	
For >5,000 To 10,000, Deduct	-0.18	
For >10,000 To 20,000, Deduct	-0.27	
For >20,000, Deduct	-0.36	
09 91 23 00-0092 SF Paint Interior Aluminum And Aluminum Alloy Walls, 1 Coat Primer, Brush/Roller Work.....	0.70	
For Electrostatic Painting, Add	0.10	
For Up To 100, Add	0.42	
For >100 To 250, Add	0.20	
For >250 To 500, Add	0.09	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.07	
For >10,000 To 20,000, Deduct	-0.11	
For >20,000, Deduct	-0.14	

09 Finishes**09 90 Painting And Coating****09 91 Painting**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0093 SF Paint Interior Aluminum And Aluminum Alloy Walls, 1 Coat Paint, Brush/Roller Work	0.80	
For Electrostatic Painting, Add	0.11	
For Up To 100, Add	0.50	
For >100 To 250, Add	0.24	
For >250 To 500, Add	0.10	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.08	
For >10,000 To 20,000, Deduct	-0.12	
For >20,000, Deduct	-0.16	
09 91 23 00-0094 SF Paint Interior Aluminum And Aluminum Alloy Walls, 2 Coats Paint, Brush/Roller Work.....	1.49	
For Electrostatic Painting, Add	0.20	
For Up To 100, Add	0.91	
For >100 To 250, Add	0.44	
For >250 To 500, Add	0.19	
For >2,500 To 5,000, Deduct	-0.07	
For >5,000 To 10,000, Deduct	-0.15	
For >10,000 To 20,000, Deduct	-0.22	
For >20,000, Deduct	-0.30	
09 91 23 00-0095 SF Paint Interior Aluminum And Aluminum Alloy Walls, 1 Coat Primer, Sprayed.....	0.48	
For Electrostatic Painting, Add	0.07	
For Up To 100, Add	0.26	
For >100 To 250, Add	0.13	
For >250 To 500, Add	0.06	
For >2,500 To 5,000, Deduct	-0.02	
For >5,000 To 10,000, Deduct	-0.05	
For >10,000 To 20,000, Deduct	-0.07	
For >20,000, Deduct	-0.10	
09 91 23 00-0096 SF Paint Interior Aluminum And Aluminum Alloy Walls, 1 Coat Paint, Sprayed.....	0.59	
For Electrostatic Painting, Add	0.08	
For Up To 100, Add	0.34	
For >100 To 250, Add	0.16	
For >250 To 500, Add	0.07	
For >2,500 To 5,000, Deduct	-0.03	
For >5,000 To 10,000, Deduct	-0.06	
For >10,000 To 20,000, Deduct	-0.09	
For >20,000, Deduct	-0.12	
09 91 23 00-0097 SF Paint Interior Aluminum And Aluminum Alloy Walls, 2 Coats Paint, Sprayed	0.97	
For Electrostatic Painting, Add	0.15	
For Up To 100, Add	0.52	
For >100 To 250, Add	0.25	
For >250 To 500, Add	0.11	
For >2,500 To 5,000, Deduct	-0.05	
For >5,000 To 10,000, Deduct	-0.10	
For >10,000 To 20,000, Deduct	-0.15	
For >20,000, Deduct	-0.19	
09 91 23 00-0098 Paint Interior Corrugated Metal Walls (09 91 23 00-0077)		
09 91 23 00-0099 SF Paint Interior Corrugated Metal Walls, 1 Coat Primer, Sprayed.....	0.54	
For Electrostatic Painting, Add	0.08	
For Up To 100, Add	0.29	
For >100 To 250, Add	0.14	
For >250 To 500, Add	0.06	
For >2,500 To 5,000, Deduct	-0.03	
For >5,000 To 10,000, Deduct	-0.05	
For >10,000 To 20,000, Deduct	-0.08	
For >20,000, Deduct	-0.11	
09 91 23 00-0100 SF Paint Interior Corrugated Metal Walls, 1 Coat Paint, Sprayed.....	0.76	
For Electrostatic Painting, Add	0.11	
For Up To 100, Add	0.45	
For >100 To 250, Add	0.22	
For >250 To 500, Add	0.09	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.08	
For >10,000 To 20,000, Deduct	-0.11	
For >20,000, Deduct	-0.15	
09 91 23 00-0101 SF Paint Interior Corrugated Metal Walls, 2 Coats Paint, Sprayed	1.23	
For Electrostatic Painting, Add	0.18	
For Up To 100, Add	0.69	
For >100 To 250, Add	0.33	
For >250 To 500, Add	0.15	
For >2,500 To 5,000, Deduct	-0.06	
For >5,000 To 10,000, Deduct	-0.12	
For >10,000 To 20,000, Deduct	-0.18	
For >20,000, Deduct	-0.25	
09 91 23 00-0102 Paint Interior Stucco Walls (09 91 23 00-0001)		



Finishes	09	09
Painting And Coating	09 90	
Painting	09 91	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0103 SF Paint Interior Stucco Wall Surfaces, 1 Coat Primer, Brush Work.....	1.28	
For Oil Based Paint, Add	0.07	
For Up To 100, Add	0.88	
For >100 To 250, Add	0.42	
For >250 To 500, Add	0.18	
For >2,500 To 5,000, Deduct	-0.06	
For >5,000 To 10,000, Deduct	-0.13	
For >10,000 To 20,000, Deduct	-0.19	
For >20,000, Deduct	-0.26	
09 91 23 00-0104 SF Paint Interior Stucco Wall Surfaces, 1 Coat Paint, Brush Work.....	1.41	
For Oil Based Paint, Add	0.08	
For Up To 100, Add	0.97	
For >100 To 250, Add	0.46	
For >250 To 500, Add	0.20	
For >2,500 To 5,000, Deduct	-0.07	
For >5,000 To 10,000, Deduct	-0.14	
For >10,000 To 20,000, Deduct	-0.21	
For >20,000, Deduct	-0.28	
09 91 23 00-0105 SF Paint Interior Stucco Wall Surfaces, 2 Coats Paint, Brush Work	2.48	
For Oil Based Paint, Add	0.14	
For Up To 100, Add	1.68	
For >100 To 250, Add	0.79	
For >250 To 500, Add	0.34	
For >2,500 To 5,000, Deduct	-0.12	
For >5,000 To 10,000, Deduct	-0.25	
For >10,000 To 20,000, Deduct	-0.37	
For >20,000, Deduct	-0.50	
09 91 23 00-0106 SF Paint Interior Stucco Walls, 1 Coat Primer, Brush/Roller Work.....	0.97	
For Oil Based Paint, Add	0.06	
For Up To 100, Add	0.65	
For >100 To 250, Add	0.31	
For >250 To 500, Add	0.13	
For >2,500 To 5,000, Deduct	-0.05	
For >5,000 To 10,000, Deduct	-0.10	
For >10,000 To 20,000, Deduct	-0.15	
For >20,000, Deduct	-0.19	
09 91 23 00-0107 SF Paint Interior Stucco Walls, 1 Coat Paint, Brush/Roller Work	1.09	
For Oil Based Paint, Add	0.06	
For Up To 100, Add	0.73	
For >100 To 250, Add	0.34	
For >250 To 500, Add	0.15	
For >2,500 To 5,000, Deduct	-0.05	
For >5,000 To 10,000, Deduct	-0.11	
For >10,000 To 20,000, Deduct	-0.16	
For >20,000, Deduct	-0.22	
09 91 23 00-0108 SF Paint Interior Stucco Walls, 2 Coats Paint, Brush/Roller Work	1.99	
For Oil Based Paint, Add	0.11	
For Up To 100, Add	1.31	
For >100 To 250, Add	0.62	
For >250 To 500, Add	0.27	
For >2,500 To 5,000, Deduct	-0.10	
For >5,000 To 10,000, Deduct	-0.20	
For >10,000 To 20,000, Deduct	-0.30	
For >20,000, Deduct	-0.40	
09 91 23 00-0109 SF Paint Interior Stucco Walls, 1 Coat Primer, Sprayed	0.59	
For Oil Based Paint, Add	0.04	
For Up To 100, Add	0.35	
For >100 To 250, Add	0.17	
For >250 To 500, Add	0.07	
For >2,500 To 5,000, Deduct	-0.03	
For >5,000 To 10,000, Deduct	-0.06	
For >10,000 To 20,000, Deduct	-0.09	
For >20,000, Deduct	-0.12	
09 91 23 00-0110 SF Paint Interior Stucco Walls, 1 Coat Paint, Sprayed.....	0.72	
For Oil Based Paint, Add	0.05	
For Up To 100, Add	0.43	
For >100 To 250, Add	0.20	
For >250 To 500, Add	0.09	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.07	
For >10,000 To 20,000, Deduct	-0.11	
For >20,000, Deduct	-0.14	
09 91 23 00-0111 SF Paint Interior Stucco Walls, 2 Coats Paint, Sprayed.....	1.40	
For Oil Based Paint, Add	0.09	
For Up To 100, Add	0.85	
For >100 To 250, Add	0.41	
For >250 To 500, Add	0.18	
For >2,500 To 5,000, Deduct	-0.07	
For >5,000 To 10,000, Deduct	-0.14	
For >10,000 To 20,000, Deduct	-0.21	
For >20,000, Deduct	-0.28	
09 91 23 00-0112 Paint Interior Wood Walls (09 91 23 00-0001)		
09 91 23 00-0113 Interior Wood Walls (09 91 23 00-0112)		

09 Finishes**09 90 Painting And Coating****09 91 Painting**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0114 SF Paint Interior Wood Wall Surfaces, 1 Coat Paint, Brush Work.....	0.96	
For Oil Based Paint, Add	0.05	
For Up To 100, Add	0.65	
For >100 To 250, Add	0.31	
For >250 To 500, Add	0.13	
For >2,500 To 5,000, Deduct	-0.05	
For >5,000 To 10,000, Deduct	-0.10	
For >10,000 To 20,000, Deduct	-0.14	
For >20,000, Deduct	-0.19	
09 91 23 00-0115 SF Paint Interior Wood Wall Surfaces, 2 Coats Paint, Brush Work.....	1.74	
For Oil Based Paint, Add	0.10	
For Up To 100, Add	1.18	
For >100 To 250, Add	0.56	
For >250 To 500, Add	0.24	
For >2,500 To 5,000, Deduct	-0.09	
For >5,000 To 10,000, Deduct	-0.17	
For >10,000 To 20,000, Deduct	-0.26	
For >20,000, Deduct	-0.35	
09 91 23 00-0116 SF Paint Interior Wood Wall Surfaces, 3 Coats Paint, Brush Work.....	2.48	
For Oil Based Paint, Add	0.14	
For Up To 100, Add	1.67	
For >100 To 250, Add	0.79	
For >250 To 500, Add	0.34	
For >2,500 To 5,000, Deduct	-0.12	
For >5,000 To 10,000, Deduct	-0.25	
For >10,000 To 20,000, Deduct	-0.37	
For >20,000, Deduct	-0.50	
09 91 23 00-0117 SF Paint Interior Wood Walls, 1 Coat Primer, Brush/Roller Work.....	0.68	
For Oil Based Paint, Add	0.04	
For Up To 100, Add	0.44	
For >100 To 250, Add	0.21	
For >250 To 500, Add	0.09	
For >2,500 To 5,000, Deduct	-0.03	
For >5,000 To 10,000, Deduct	-0.07	
For >10,000 To 20,000, Deduct	-0.10	
For >20,000, Deduct	-0.14	
09 91 23 00-0118 SF Paint Interior Wood Walls, 1 Coat Paint, Brush/Roller Work.....	0.78	
For Oil Based Paint, Add	0.04	
For Up To 100, Add	0.52	
For >100 To 250, Add	0.25	
For >250 To 500, Add	0.11	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.08	
For >10,000 To 20,000, Deduct	-0.12	
For >20,000, Deduct	-0.16	
09 91 23 00-0119 SF Paint Interior Wood Walls, 2 Coats Paint, Brush/Roller Work.....	1.34	
For Oil Based Paint, Add	0.08	
For Up To 100, Add	0.88	
For >100 To 250, Add	0.42	
For >250 To 500, Add	0.18	
For >2,500 To 5,000, Deduct	-0.07	
For >5,000 To 10,000, Deduct	-0.13	
For >10,000 To 20,000, Deduct	-0.20	
For >20,000, Deduct	-0.27	
09 91 23 00-0120 SF Paint Interior Wood Walls, 1 Coat Primer, Sprayed.....	0.41	
For Oil Based Paint, Add	0.03	
For Up To 100, Add	0.23	
For >100 To 250, Add	0.11	
For >250 To 500, Add	0.05	
For >2,500 To 5,000, Deduct	-0.02	
For >5,000 To 10,000, Deduct	-0.04	
For >10,000 To 20,000, Deduct	-0.06	
For >20,000, Deduct	-0.08	
09 91 23 00-0121 SF Paint Interior Wood Walls, 1 Coat Paint, Sprayed.....	0.53	
For Oil Based Paint, Add	0.03	
For Up To 100, Add	0.31	
For >100 To 250, Add	0.15	
For >250 To 500, Add	0.06	
For >2,500 To 5,000, Deduct	-0.03	
For >5,000 To 10,000, Deduct	-0.05	
For >10,000 To 20,000, Deduct	-0.08	
For >20,000, Deduct	-0.11	
09 91 23 00-0122 SF Paint Interior Wood Walls, 2 Coats Paint, Sprayed.....	0.97	
For Oil Based Paint, Add	0.06	
For Up To 100, Add	0.55	
For >100 To 250, Add	0.26	
For >250 To 500, Add	0.12	
For >2,500 To 5,000, Deduct	-0.05	
For >5,000 To 10,000, Deduct	-0.10	
For >10,000 To 20,000, Deduct	-0.15	
For >20,000, Deduct	-0.19	

09 91 23 00-0123 Paint Interior Ceilings (09 91 23)

09 91 23 00-0124 Paint Interior Acoustical Ceilings (09 91 23 00-0123)

Note: Includes grid.



Finishes	09	9
Painting And Coating	09 90	
Painting	09 91	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0125 SF Paint Interior Acoustical Ceiling, 1 Coat Primer, Brush Work	0.85	
For Oil Based Paint, Add	0.05	
For Up To 100, Add	0.57	
For >100 To 250, Add	0.27	
For >250 To 500, Add	0.12	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.09	
For >10,000 To 20,000, Deduct	-0.13	
For >20,000, Deduct	-0.17	
09 91 23 00-0126 SF Paint Interior Acoustical Ceiling, 1 Coat Paint, Brush Work.....	0.93	
For Oil Based Paint, Add	0.05	
For Up To 100, Add	0.64	
For >100 To 250, Add	0.30	
For >250 To 500, Add	0.13	
For >2,500 To 5,000, Deduct	-0.05	
For >5,000 To 10,000, Deduct	-0.09	
For >10,000 To 20,000, Deduct	-0.14	
For >20,000, Deduct	-0.19	
09 91 23 00-0127 SF Paint Interior Acoustical Ceiling, 2 Coats Paint, Brush Work.....	1.65	
For Oil Based Paint, Add	0.09	
For Up To 100, Add	1.14	
For >100 To 250, Add	0.54	
For >250 To 500, Add	0.23	
For >2,500 To 5,000, Deduct	-0.08	
For >5,000 To 10,000, Deduct	-0.17	
For >10,000 To 20,000, Deduct	-0.25	
For >20,000, Deduct	-0.33	
09 91 23 00-0128 SF Paint Interior Acoustical Ceiling, 1 Coat Primer, Brush/Roller Work.....	0.73	
For Oil Based Paint, Add	0.04	
For Up To 100, Add	0.48	
For >100 To 250, Add	0.23	
For >250 To 500, Add	0.10	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.07	
For >10,000 To 20,000, Deduct	-0.11	
For >20,000, Deduct	-0.15	
09 91 23 00-0129 SF Paint Interior Acoustical Ceiling, 1 Coat Paint, Brush/Roller Work.....	0.72	
For Oil Based Paint, Add	0.04	
For Up To 100, Add	0.49	
For >100 To 250, Add	0.23	
For >250 To 500, Add	0.10	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.07	
For >10,000 To 20,000, Deduct	-0.11	
For >20,000, Deduct	-0.14	
09 91 23 00-0130 SF Paint Interior Acoustical Ceiling, 2 Coats Paint, Brush/Roller Work.....	1.32	
For Oil Based Paint, Add	0.07	
For Up To 100, Add	0.89	
For >100 To 250, Add	0.42	
For >250 To 500, Add	0.18	
For >2,500 To 5,000, Deduct	-0.07	
For >5,000 To 10,000, Deduct	-0.13	
For >10,000 To 20,000, Deduct	-0.20	
For >20,000, Deduct	-0.26	
09 91 23 00-0131 SF Paint Interior Acoustical Ceiling, 1 Coat Primer, Sprayed.....	0.54	
For Oil Based Paint, Add	0.03	
For Up To 100, Add	0.33	
For >100 To 250, Add	0.16	
For >250 To 500, Add	0.07	
For >2,500 To 5,000, Deduct	-0.03	
For >5,000 To 10,000, Deduct	-0.05	
For >10,000 To 20,000, Deduct	-0.08	
For >20,000, Deduct	-0.11	
09 91 23 00-0132 SF Paint Interior Acoustical Ceiling, 1 Coat Paint, Sprayed.....	0.53	
For Oil Based Paint, Add	0.03	
For Up To 100, Add	0.33	
For >100 To 250, Add	0.16	
For >250 To 500, Add	0.07	
For >2,500 To 5,000, Deduct	-0.03	
For >5,000 To 10,000, Deduct	-0.05	
For >10,000 To 20,000, Deduct	-0.08	
For >20,000, Deduct	-0.11	
09 91 23 00-0133 SF Paint Interior Acoustical Ceiling, 2 Coats Paint, Sprayed	0.85	
For Oil Based Paint, Add	0.05	
For Up To 100, Add	0.51	
For >100 To 250, Add	0.25	
For >250 To 500, Add	0.11	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.09	
For >10,000 To 20,000, Deduct	-0.13	
For >20,000, Deduct	-0.17	

09 91 23 00-0134 Paint Interior Concrete Ceilings (09 91 23 00-0123)

09 Finishes**09 90 Painting And Coating****09 91 Painting**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0135 SF Paint Interior Concrete Ceiling, 1 Coat Filler, Brush Work.....	0.85	
For Oil Based Paint, Add	0.05	
For Epoxy Paint, Add	0.08	
For Up To 100, Add	0.57	
For >100 To 250, Add	0.27	
For >250 To 500, Add	0.12	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.09	
For >10,000 To 20,000, Deduct	-0.13	
For >20,000, Deduct	-0.17	
09 91 23 00-0136 SF Paint Interior Concrete Ceiling, 1 Coat Paint, Brush Work.....	0.93	
For Oil Based Paint, Add	0.05	
For Epoxy Paint, Add	0.07	
For Up To 100, Add	0.64	
For >100 To 250, Add	0.30	
For >250 To 500, Add	0.13	
For >2,500 To 5,000, Deduct	-0.05	
For >5,000 To 10,000, Deduct	-0.09	
For >10,000 To 20,000, Deduct	-0.14	
For >20,000, Deduct	-0.19	
09 91 23 00-0137 SF Paint Interior Concrete Ceiling, 2 Coats Paint, Brush Work.....	1.64	
For Oil Based Paint, Add	0.09	
For Epoxy Paint, Add	0.13	
For Up To 100, Add	1.13	
For >100 To 250, Add	0.53	
For >250 To 500, Add	0.23	
For >2,500 To 5,000, Deduct	-0.08	
For >5,000 To 10,000, Deduct	-0.16	
For >10,000 To 20,000, Deduct	-0.25	
For >20,000, Deduct	-0.33	
09 91 23 00-0138 SF Paint Interior Concrete Ceiling, 1 Coat Filler, Brush/Roller Work.....	0.64	
For Oil Based Paint, Add	0.04	
For Epoxy Paint, Add	0.07	
For Up To 100, Add	0.41	
For >100 To 250, Add	0.20	
For >250 To 500, Add	0.09	
For >2,500 To 5,000, Deduct	-0.03	
For >5,000 To 10,000, Deduct	-0.06	
For >10,000 To 20,000, Deduct	-0.10	
For >20,000, Deduct	-0.13	
09 91 23 00-0139 SF Paint Interior Concrete Ceiling, 1 Coat Paint, Brush/Roller Work.....	0.72	
For Oil Based Paint, Add	0.04	
For Epoxy Paint, Add	0.06	
For Up To 100, Add	0.49	
For >100 To 250, Add	0.23	
For >250 To 500, Add	0.10	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.07	
For >10,000 To 20,000, Deduct	-0.11	
For >20,000, Deduct	-0.14	
09 91 23 00-0140 SF Paint Interior Concrete Ceiling, 2 Coats Paint, Brush/Roller Work.....	1.33	
For Oil Based Paint, Add	0.08	
For Epoxy Paint, Add	0.12	
For Up To 100, Add	0.90	
For >100 To 250, Add	0.42	
For >250 To 500, Add	0.18	
For >2,500 To 5,000, Deduct	-0.07	
For >5,000 To 10,000, Deduct	-0.13	
For >10,000 To 20,000, Deduct	-0.20	
For >20,000, Deduct	-0.27	
09 91 23 00-0141 SF Paint Interior Concrete Ceiling, 1 Coat Filler, Sprayed.....	0.51	
For Oil Based Paint, Add	0.03	
For Epoxy Paint, Add	0.06	
For Up To 100, Add	0.30	
For >100 To 250, Add	0.15	
For >250 To 500, Add	0.06	
For >2,500 To 5,000, Deduct	-0.03	
For >5,000 To 10,000, Deduct	-0.05	
For >10,000 To 20,000, Deduct	-0.08	
For >20,000, Deduct	-0.10	
09 91 23 00-0142 SF Paint Interior Concrete Ceiling, 1 Coat Paint, Sprayed.....	0.53	
For Oil Based Paint, Add	0.03	
For Epoxy Paint, Add	0.06	
For Up To 100, Add	0.33	
For >100 To 250, Add	0.16	
For >250 To 500, Add	0.07	
For >2,500 To 5,000, Deduct	-0.03	
For >5,000 To 10,000, Deduct	-0.05	
For >10,000 To 20,000, Deduct	-0.08	
For >20,000, Deduct	-0.11	



Finishes	09	09
Painting And Coating	09 90	
Painting	09 91	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0143 SF Paint Interior Concrete Ceiling, 2 Coats Paint, Sprayed	0.84	
For Oil Based Paint, Add	0.05	
For Epoxy Paint, Add	0.11	
For Up To 100, Add	0.50	
For >100 To 250, Add	0.24	
For >250 To 500, Add	0.11	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.08	
For >10,000 To 20,000, Deduct	-0.13	
For >20,000, Deduct	-0.17	
09 91 23 00-0144 SF Paint Interior Concrete Ceiling, 1 Coat Bonding Agent, Brush Work	0.87	
For Up To 100, Add	0.57	
For >100 To 250, Add	0.27	
For >250 To 500, Add	0.12	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.09	
For >10,000 To 20,000, Deduct	-0.13	
For >20,000, Deduct	-0.17	
09 91 23 00-0145 SF Paint Interior Concrete Ceiling, 1 Coat Bonding Agent, Brush/Roller	0.66	
For Up To 100, Add	0.42	
For >100 To 250, Add	0.20	
For >250 To 500, Add	0.09	
For >2,500 To 5,000, Deduct	-0.03	
For >5,000 To 10,000, Deduct	-0.07	
For >10,000 To 20,000, Deduct	-0.10	
For >20,000, Deduct	-0.13	
09 91 23 00-0146 SF Paint Interior Concrete Ceiling, 1 Coat Bonding Agent, Sprayed	0.53	
For Up To 100, Add	0.31	
For >100 To 250, Add	0.15	
For >250 To 500, Add	0.06	
For >2,500 To 5,000, Deduct	-0.03	
For >5,000 To 10,000, Deduct	-0.05	
For >10,000 To 20,000, Deduct	-0.08	
For >20,000, Deduct	-0.11	
09 91 23 00-0147 Paint Interior Drywall/Plaster Ceilings (09 91 23 00-0123)		
09 91 23 00-0148 SF Paint Interior Drywall/Plaster Ceiling, 1 Coat Primer, Brush Work	0.85	
For Oil Based Paint, Add	0.05	
For Orange Peel Finish, Add	0.12	
For Up To 100, Add	0.57	
For >100 To 250, Add	0.27	
For >250 To 500, Add	0.12	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.09	
For >10,000 To 20,000, Deduct	-0.13	
For >20,000, Deduct	-0.17	
09 91 23 00-0149 SF Paint Interior Drywall/Plaster Ceiling, 1 Coat Paint, Brush Work	0.93	
For Oil Based Paint, Add	0.05	
For Orange Peel Finish, Add	0.13	
For Up To 100, Add	0.64	
For >100 To 250, Add	0.30	
For >250 To 500, Add	0.13	
For >2,500 To 5,000, Deduct	-0.05	
For >5,000 To 10,000, Deduct	-0.09	
For >10,000 To 20,000, Deduct	-0.14	
For >20,000, Deduct	-0.19	
09 91 23 00-0150 SF Paint Interior Drywall/Plaster Ceiling, 2 Coats Paint, Brush Work	1.65	
For Oil Based Paint, Add	0.09	
For Orange Peel Finish, Add	0.24	
For Up To 100, Add	1.14	
For >100 To 250, Add	0.54	
For >250 To 500, Add	0.23	
For >2,500 To 5,000, Deduct	-0.08	
For >5,000 To 10,000, Deduct	-0.17	
For >10,000 To 20,000, Deduct	-0.25	
For >20,000, Deduct	-0.33	
09 91 23 00-0151 SF Paint Interior Drywall/Plaster Ceiling, 1 Coat Primer, Brush/Roller Work	0.73	
For Oil Based Paint, Add	0.04	
For Orange Peel Finish, Add	0.10	
For Up To 100, Add	0.48	
For >100 To 250, Add	0.23	
For >250 To 500, Add	0.10	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.07	
For >10,000 To 20,000, Deduct	-0.11	
For >20,000, Deduct	-0.15	
09 91 23 00-0152 SF Paint Interior Drywall/Plaster Ceiling, 1 Coat Paint, Brush/Roller Work	0.72	
For Oil Based Paint, Add	0.04	
For Orange Peel Finish, Add	0.10	
For Up To 100, Add	0.49	
For >100 To 250, Add	0.23	
For >250 To 500, Add	0.10	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.07	
For >10,000 To 20,000, Deduct	-0.11	
For >20,000, Deduct	-0.14	

09 Finishes**09 90 Painting And Coating****09 91 Painting**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0153 SF Paint Interior Drywall/Plaster Ceiling, 2 Coats Paint, Brush/Roller Work	1.32	
For Oil Based Paint, Add	0.07	
For Orange Peel Finish, Add	0.19	
For Up To 100, Add	0.89	
For >100 To 250, Add	0.42	
For >250 To 500, Add	0.18	
For >2,500 To 5,000, Deduct	-0.07	
For >5,000 To 10,000, Deduct	-0.13	
For >10,000 To 20,000, Deduct	-0.20	
For >20,000, Deduct	-0.26	
09 91 23 00-0154 SF Paint Interior Drywall/Plaster Ceiling, 1 Coat Primer, Sprayed	0.54	
For Oil Based Paint, Add	0.03	
For Up To 100, Add	0.33	
For >100 To 250, Add	0.16	
For >250 To 500, Add	0.07	
For >2,500 To 5,000, Deduct	-0.03	
For >5,000 To 10,000, Deduct	-0.05	
For >10,000 To 20,000, Deduct	-0.08	
For >20,000, Deduct	-0.11	
09 91 23 00-0155 SF Paint Interior Drywall/Plaster Ceiling, 1 Coat Paint, Sprayed	0.53	
For Oil Based Paint, Add	0.03	
For Up To 100, Add	0.33	
For >100 To 250, Add	0.16	
For >250 To 500, Add	0.07	
For >2,500 To 5,000, Deduct	-0.03	
For >5,000 To 10,000, Deduct	-0.05	
For >10,000 To 20,000, Deduct	-0.08	
For >20,000, Deduct	-0.11	
09 91 23 00-0156 SF Paint Interior Drywall/Plaster Ceiling, 2 Coats Paint, Sprayed	0.85	
For Oil Based Paint, Add	0.05	
For Up To 100, Add	0.51	
For >100 To 250, Add	0.25	
For >250 To 500, Add	0.11	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.09	
For >10,000 To 20,000, Deduct	-0.13	
For >20,000, Deduct	-0.17	
09 91 23 00-0157 Paint Interior Metal Ceilings (09 91 23 00-0123)		
09 91 23 00-0158 Galvanized Surfaces, Galvanized Primer (09 91 23 00-0157)		
Note: Linseed oil or acrylic latex paint.		
09 91 23 00-0159 SF Paint Interior Galvanized Ceiling, 1 Coat Primer, Brush Work	0.99	
For Electrostatic Painting, Add	0.12	
For Up To 100, Add	0.65	
For >100 To 250, Add	0.31	
For >250 To 500, Add	0.13	
For >2,500 To 5,000, Deduct	-0.05	
For >5,000 To 10,000, Deduct	-0.10	
For >10,000 To 20,000, Deduct	-0.15	
For >20,000, Deduct	-0.20	
09 91 23 00-0160 SF Paint Interior Galvanized Ceiling, 1 Coat Paint, Brush Work	1.10	
For Electrostatic Painting, Add	0.13	
For Up To 100, Add	0.74	
For >100 To 250, Add	0.35	
For >250 To 500, Add	0.15	
For >2,500 To 5,000, Deduct	-0.06	
For >5,000 To 10,000, Deduct	-0.11	
For >10,000 To 20,000, Deduct	-0.17	
For >20,000, Deduct	-0.22	
09 91 23 00-0161 SF Paint Interior Galvanized Ceiling, 2 Coats Paint, Brush Work	1.98	
For Electrostatic Painting, Add	0.24	
For Up To 100, Add	1.31	
For >100 To 250, Add	0.62	
For >250 To 500, Add	0.27	
For >2,500 To 5,000, Deduct	-0.10	
For >5,000 To 10,000, Deduct	-0.20	
For >10,000 To 20,000, Deduct	-0.30	
For >20,000, Deduct	-0.40	
09 91 23 00-0162 SF Paint Interior Galvanized Ceiling, 1 Coat Primer, Brush/Roller Work	0.75	
For Electrostatic Painting, Add	0.09	
For Up To 100, Add	0.49	
For >100 To 250, Add	0.23	
For >250 To 500, Add	0.10	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.08	
For >10,000 To 20,000, Deduct	-0.11	
For >20,000, Deduct	-0.15	



Finishes	09	09
Painting And Coating	09 90	
Painting	09 91	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0163 SF Paint Interior Galvanized Ceiling, 1 Coat Paint, Brush/Roller Work.....	0.86	
For Electrostatic Painting, Add	0.10	
For Up To 100, Add	0.57	
For >100 To 250, Add	0.27	
For >250 To 500, Add	0.12	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.09	
For >10,000 To 20,000, Deduct	-0.13	
For >20,000, Deduct	-0.17	
09 91 23 00-0164 SF Paint Interior Galvanized Ceiling, 2 Coats Paint, Brush/Roller Work	1.57	
For Electrostatic Painting, Add	0.19	
For Up To 100, Add	1.03	
For >100 To 250, Add	0.49	
For >250 To 500, Add	0.21	
For >2,500 To 5,000, Deduct	-0.08	
For >5,000 To 10,000, Deduct	-0.16	
For >10,000 To 20,000, Deduct	-0.24	
For >20,000, Deduct	-0.31	
09 91 23 00-0165 SF Paint Interior Galvanized Ceiling, 1 Coat Primer, Sprayed	0.59	
For Electrostatic Painting, Add	0.08	
For Up To 100, Add	0.34	
For >100 To 250, Add	0.16	
For >250 To 500, Add	0.07	
For >2,500 To 5,000, Deduct	-0.03	
For >5,000 To 10,000, Deduct	-0.06	
For >10,000 To 20,000, Deduct	-0.09	
For >20,000, Deduct	-0.12	
09 91 23 00-0166 SF Paint Interior Galvanized Ceiling, 1 Coat Paint, Sprayed.....	0.70	
For Electrostatic Painting, Add	0.10	
For Up To 100, Add	0.42	
For >100 To 250, Add	0.20	
For >250 To 500, Add	0.09	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.07	
For >10,000 To 20,000, Deduct	-0.11	
For >20,000, Deduct	-0.14	
09 91 23 00-0167 SF Paint Interior Galvanized Ceiling, 2 Coats Paint, Sprayed.....	1.08	
For Electrostatic Painting, Add	0.16	
For Up To 100, Add	0.61	
For >100 To 250, Add	0.29	
For >250 To 500, Add	0.13	
For >2,500 To 5,000, Deduct	-0.05	
For >5,000 To 10,000, Deduct	-0.11	
For >10,000 To 20,000, Deduct	-0.16	
For >20,000, Deduct	-0.22	
09 91 23 00-0168 Aluminum And Aluminum Alloy Surface Pretreatment Primer (09 91 23 00-0157)		
Note: Alkyd enamel paint.		
09 91 23 00-0169 SF Paint Interior Aluminum And Aluminum Alloy Ceiling, 1 Coat Primer, Brush Work.....	0.99	
For Electrostatic Painting, Add	0.12	
For Up To 100, Add	0.65	
For >100 To 250, Add	0.31	
For >250 To 500, Add	0.13	
For >2,500 To 5,000, Deduct	-0.05	
For >5,000 To 10,000, Deduct	-0.10	
For >10,000 To 20,000, Deduct	-0.15	
For >20,000, Deduct	-0.20	
09 91 23 00-0170 SF Paint Interior Aluminum And Aluminum Alloy Ceiling, 1 Coat Paint, Brush Work	1.10	
For Electrostatic Painting, Add	0.13	
For Up To 100, Add	0.74	
For >100 To 250, Add	0.35	
For >250 To 500, Add	0.15	
For >2,500 To 5,000, Deduct	-0.06	
For >5,000 To 10,000, Deduct	-0.11	
For >10,000 To 20,000, Deduct	-0.17	
For >20,000, Deduct	-0.22	
09 91 23 00-0171 SF Paint Interior Aluminum And Aluminum Alloy Ceiling, 2 Coats Paint, Brush Work.....	1.98	
For Electrostatic Painting, Add	0.24	
For Up To 100, Add	1.31	
For >100 To 250, Add	0.62	
For >250 To 500, Add	0.27	
For >2,500 To 5,000, Deduct	-0.10	
For >5,000 To 10,000, Deduct	-0.20	
For >10,000 To 20,000, Deduct	-0.30	
For >20,000, Deduct	-0.40	
09 91 23 00-0172 SF Paint Interior Aluminum And Aluminum Alloy Ceiling, 1 Coat Primer, Brush/Roller Work.....	0.80	
For Electrostatic Painting, Add	0.11	
For Up To 100, Add	0.50	
For >100 To 250, Add	0.24	
For >250 To 500, Add	0.10	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.08	
For >10,000 To 20,000, Deduct	-0.12	
For >20,000, Deduct	-0.16	

09 Finishes**09 90 Painting And Coating****09 91 Painting**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0173 SF Paint Interior Aluminum And Aluminum Alloy Ceiling, 1 Coat Paint, Brush/Roller Work	0.91	
For Electrostatic Painting, Add	0.12	
For Up To 100, Add	0.58	
For >100 To 250, Add	0.28	
For >250 To 500, Add	0.12	
For >2,500 To 5,000, Deduct	-0.05	
For >5,000 To 10,000, Deduct	-0.09	
For >10,000 To 20,000, Deduct	-0.14	
For >20,000, Deduct	-0.18	
09 91 23 00-0174 SF Paint Interior Aluminum And Aluminum Alloy Ceiling, 2 Coats Paint, Brush/Roller Work	1.70	
For Electrostatic Painting, Add	0.22	
For Up To 100, Add	1.07	
For >100 To 250, Add	0.51	
For >250 To 500, Add	0.22	
For >2,500 To 5,000, Deduct	-0.09	
For >5,000 To 10,000, Deduct	-0.17	
For >10,000 To 20,000, Deduct	-0.26	
For >20,000, Deduct	-0.34	
09 91 23 00-0175 SF Paint Interior Aluminum And Aluminum Alloy Ceiling, 1 Coat Primer, Sprayed	0.59	
For Electrostatic Painting, Add	0.08	
For Up To 100, Add	0.34	
For >100 To 250, Add	0.16	
For >250 To 500, Add	0.07	
For >2,500 To 5,000, Deduct	-0.03	
For >5,000 To 10,000, Deduct	-0.06	
For >10,000 To 20,000, Deduct	-0.09	
For >20,000, Deduct	-0.12	
09 91 23 00-0176 SF Paint Interior Aluminum And Aluminum Alloy Ceiling, 1 Coat Paint, Sprayed.....	0.70	
For Electrostatic Painting, Add	0.10	
For Up To 100, Add	0.42	
For >100 To 250, Add	0.20	
For >250 To 500, Add	0.09	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.07	
For >10,000 To 20,000, Deduct	-0.11	
For >20,000, Deduct	-0.14	
09 91 23 00-0177 SF Paint Interior Aluminum And Aluminum Alloy Ceiling, 2 Coats Paint, Sprayed.....	1.08	
For Electrostatic Painting, Add	0.16	
For Up To 100, Add	0.61	
For >100 To 250, Add	0.29	
For >250 To 500, Add	0.13	
For >2,500 To 5,000, Deduct	-0.05	
For >5,000 To 10,000, Deduct	-0.11	
For >10,000 To 20,000, Deduct	-0.16	
For >20,000, Deduct	-0.22	
09 91 23 00-0178 Paint Interior Ceiling Tile Grid (09 91 23 00-0157)		
Note: Grid only.		
09 91 23 00-0179 LF Paint Interior Ceiling Tile Grid, 1 Coat Paint, Brush/Roller Work.....	0.22	
For Electrostatic Painting, Add	0.03	
For Up To 100, Add	0.15	
For >100 To 250, Add	0.07	
For >250 To 500, Add	0.03	
For >2,500 To 5,000, Deduct	-0.01	
For >5,000 To 10,000, Deduct	-0.02	
For >10,000 To 20,000, Deduct	-0.03	
For >20,000, Deduct	-0.04	
09 91 23 00-0180 LF Paint Interior Ceiling Tile Grid, 2 Coats Paint, Brush/Roller Work.....	0.43	
For Electrostatic Painting, Add	0.05	
For Up To 100, Add	0.30	
For >100 To 250, Add	0.14	
For >250 To 500, Add	0.06	
For >2,500 To 5,000, Deduct	-0.02	
For >5,000 To 10,000, Deduct	-0.04	
For >10,000 To 20,000, Deduct	-0.06	
For >20,000, Deduct	-0.09	
09 91 23 00-0181 Paint Interior Corrugated Metal Ceilings (09 91 23 00-0157)		
09 91 23 00-0182 SF Paint Interior Corrugated Metal Ceiling, 1 Coat Primer, Sprayed.....	0.79	
For Electrostatic Painting, Add	0.11	
For Up To 100, Add	0.45	
For >100 To 250, Add	0.22	
For >250 To 500, Add	0.10	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.08	
For >10,000 To 20,000, Deduct	-0.12	
For >20,000, Deduct	-0.16	



Finishes	09	09
Painting And Coating	09 90	
Painting	09 91	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0183 SF Paint Interior Corrugated Metal Ceiling, 1 Coat Paint, Sprayed.....	0.93	
For Electrostatic Painting, Add	0.13	
For Up To 100, Add	0.56	
For >100 To 250, Add	0.27	
For >250 To 500, Add	0.12	
For >2,500 To 5,000, Deduct	-0.05	
For >5,000 To 10,000, Deduct	-0.09	
For >10,000 To 20,000, Deduct	-0.14	
For >20,000, Deduct	-0.19	
09 91 23 00-0184 SF Paint Interior Corrugated Metal Ceiling, 2 Coats Paint, Sprayed.....	1.44	
For Electrostatic Painting, Add	0.21	
For Up To 100, Add	0.80	
For >100 To 250, Add	0.39	
For >250 To 500, Add	0.17	
For >2,500 To 5,000, Deduct	-0.07	
For >5,000 To 10,000, Deduct	-0.14	
For >10,000 To 20,000, Deduct	-0.22	
For >20,000, Deduct	-0.29	
09 91 23 00-0185 Paint Interior Wood Ceilings (09 91 23 00-0123)		
09 91 23 00-0186 Paint Interior Smooth Wood Ceilings (09 91 23 00-0185)		
09 91 23 00-0187 SF Paint Interior Wood Smooth Ceiling, 1 Coat Primer, Brush Work.....	1.03	
For Oil Based Paint, Add	0.06	
For Up To 100, Add	0.68	
For >100 To 250, Add	0.32	
For >250 To 500, Add	0.14	
For >2,500 To 5,000, Deduct	-0.05	
For >5,000 To 10,000, Deduct	-0.10	
For >10,000 To 20,000, Deduct	-0.15	
For >20,000, Deduct	-0.21	
09 91 23 00-0188 SF Paint Interior Wood Smooth Ceiling, 1 Coat Paint, Brush Work.....	1.08	
For Oil Based Paint, Add	0.06	
For Up To 100, Add	0.73	
For >100 To 250, Add	0.35	
For >250 To 500, Add	0.15	
For >2,500 To 5,000, Deduct	-0.05	
For >5,000 To 10,000, Deduct	-0.11	
For >10,000 To 20,000, Deduct	-0.16	
For >20,000, Deduct	-0.22	
09 91 23 00-0189 SF Paint Interior Wood Smooth Ceiling, 2 Coats Paint, Brush Work.....	1.95	
For Oil Based Paint, Add	0.11	
For Up To 100, Add	1.31	
For >100 To 250, Add	0.62	
For >250 To 500, Add	0.27	
For >2,500 To 5,000, Deduct	-0.10	
For >5,000 To 10,000, Deduct	-0.20	
For >10,000 To 20,000, Deduct	-0.29	
For >20,000, Deduct	-0.39	
09 91 23 00-0190 SF Paint Interior Smooth Wood Ceiling, 1 Coat Primer, Brush/Roller Work.....	0.81	
For Oil Based Paint, Add	0.05	
For Up To 100, Add	0.51	
For >100 To 250, Add	0.24	
For >250 To 500, Add	0.10	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.08	
For >10,000 To 20,000, Deduct	-0.12	
For >20,000, Deduct	-0.16	
09 91 23 00-0191 SF Paint Interior Smooth Wood Ceiling, 1 Coat Paint, Brush/Roller Work.....	0.89	
For Oil Based Paint, Add	0.05	
For Up To 100, Add	0.58	
For >100 To 250, Add	0.27	
For >250 To 500, Add	0.12	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.09	
For >10,000 To 20,000, Deduct	-0.13	
For >20,000, Deduct	-0.18	
09 91 23 00-0192 SF Paint Interior Smooth Wood Ceiling, 2 Coats Paint, Brush/Roller Work.....	1.66	
For Oil Based Paint, Add	0.10	
For Up To 100, Add	1.07	
For >100 To 250, Add	0.51	
For >250 To 500, Add	0.22	
For >2,500 To 5,000, Deduct	-0.08	
For >5,000 To 10,000, Deduct	-0.17	
For >10,000 To 20,000, Deduct	-0.25	
For >20,000, Deduct	-0.33	
09 91 23 00-0193 SF Paint Interior Smooth Wood Ceiling, 1 Coat Primer, Sprayed.....	0.55	
For Oil Based Paint, Add	0.03	
For Up To 100, Add	0.33	
For >100 To 250, Add	0.16	
For >250 To 500, Add	0.07	
For >2,500 To 5,000, Deduct	-0.03	
For >5,000 To 10,000, Deduct	-0.06	
For >10,000 To 20,000, Deduct	-0.08	
For >20,000, Deduct	-0.11	

09 Finishes**09 90 Painting And Coating****09 91 Painting**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0194	SF		Paint Interior Smooth Wood Ceiling, 1 Coat Paint, Sprayed.....	0.66	
			<i>For Oil Based Paint, Add</i>	0.04	
			<i>For Up To 100, Add</i>	0.42	
			<i>For >100 To 250, Add</i>	0.20	
			<i>For >250 To 500, Add</i>	0.09	
			<i>For >2,500 To 5,000, Deduct</i>	-0.03	
			<i>For >5,000 To 10,000, Deduct</i>	-0.07	
			<i>For >10,000 To 20,000, Deduct</i>	-0.10	
			<i>For >20,000, Deduct</i>	-0.13	
09 91 23 00-0195	SF		Paint Interior Smooth Wood Ceiling, 2 Coats Paint, Sprayed.....	1.00	
			<i>For Oil Based Paint, Add</i>	0.06	
			<i>For Up To 100, Add</i>	0.59	
			<i>For >100 To 250, Add</i>	0.29	
			<i>For >250 To 500, Add</i>	0.12	
			<i>For >2,500 To 5,000, Deduct</i>	-0.05	
			<i>For >5,000 To 10,000, Deduct</i>	-0.10	
			<i>For >10,000 To 20,000, Deduct</i>	-0.15	
			<i>For >20,000, Deduct</i>	-0.20	
09 91 23 00-0196			Paint Interior Wood Beams (09 91 23 00-0123)		
09 91 23 00-0197	SF		Paint Interior Wood Beams, 1 Coat Primer, Brush Work.....	1.13	
			<i>For Oil Based Paint, Add</i>	0.06	
			<i>For Up To 100, Add</i>	0.76	
			<i>For >100 To 250, Add</i>	0.36	
			<i>For >250 To 500, Add</i>	0.15	
			<i>For >2,500 To 5,000, Deduct</i>	-0.06	
			<i>For >5,000 To 10,000, Deduct</i>	-0.11	
			<i>For >10,000 To 20,000, Deduct</i>	-0.17	
			<i>For >20,000, Deduct</i>	-0.23	
09 91 23 00-0198	SF		Paint Interior Wood Beams, 1 Coat Paint, Brush Work.....	1.17	
			<i>For Oil Based Paint, Add</i>	0.07	
			<i>For Up To 100, Add</i>	0.80	
			<i>For >100 To 250, Add</i>	0.38	
			<i>For >250 To 500, Add</i>	0.16	
			<i>For >2,500 To 5,000, Deduct</i>	-0.06	
			<i>For >5,000 To 10,000, Deduct</i>	-0.12	
			<i>For >10,000 To 20,000, Deduct</i>	-0.18	
			<i>For >20,000, Deduct</i>	-0.23	
09 91 23 00-0199	SF		Paint Interior Wood Beams, 2 Coats Paint, Brush Work.....	2.13	
			<i>For Oil Based Paint, Add</i>	0.12	
			<i>For Up To 100, Add</i>	1.44	
			<i>For >100 To 250, Add</i>	0.68	
			<i>For >250 To 500, Add</i>	0.29	
			<i>For >2,500 To 5,000, Deduct</i>	-0.11	
			<i>For >5,000 To 10,000, Deduct</i>	-0.21	
			<i>For >10,000 To 20,000, Deduct</i>	-0.32	
			<i>For >20,000, Deduct</i>	-0.43	
09 91 23 00-0200	SF		Paint Interior Wood Beams, 1 Coat Primer, Brush/Roller Work.....	0.89	
			<i>For Oil Based Paint, Add</i>	0.05	
			<i>For Up To 100, Add</i>	0.57	
			<i>For >100 To 250, Add</i>	0.27	
			<i>For >250 To 500, Add</i>	0.12	
			<i>For >2,500 To 5,000, Deduct</i>	-0.04	
			<i>For >5,000 To 10,000, Deduct</i>	-0.09	
			<i>For >10,000 To 20,000, Deduct</i>	-0.13	
			<i>For >20,000, Deduct</i>	-0.18	
09 91 23 00-0201	SF		Paint Interior Wood Beams, 1 Coat Paint, Brush/Roller Work.....	0.89	
			<i>For Oil Based Paint, Add</i>	0.05	
			<i>For Up To 100, Add</i>	0.58	
			<i>For >100 To 250, Add</i>	0.27	
			<i>For >250 To 500, Add</i>	0.12	
			<i>For >2,500 To 5,000, Deduct</i>	-0.04	
			<i>For >5,000 To 10,000, Deduct</i>	-0.09	
			<i>For >10,000 To 20,000, Deduct</i>	-0.13	
			<i>For >20,000, Deduct</i>	-0.18	
09 91 23 00-0202	SF		Paint Interior Wood Beams, 2 Coats Paint, Brush/Roller Work.....	1.66	
			<i>For Oil Based Paint, Add</i>	0.10	
			<i>For Up To 100, Add</i>	1.07	
			<i>For >100 To 250, Add</i>	0.51	
			<i>For >250 To 500, Add</i>	0.22	
			<i>For >2,500 To 5,000, Deduct</i>	-0.08	
			<i>For >5,000 To 10,000, Deduct</i>	-0.17	
			<i>For >10,000 To 20,000, Deduct</i>	-0.25	
			<i>For >20,000, Deduct</i>	-0.33	
09 91 23 00-0203	SF		Paint Interior Wood Beams, 1 Coat Primer, Sprayed.....	0.66	
			<i>For Oil Based Paint, Add</i>	0.04	
			<i>For Up To 100, Add</i>	0.42	
			<i>For >100 To 250, Add</i>	0.20	
			<i>For >250 To 500, Add</i>	0.09	
			<i>For >2,500 To 5,000, Deduct</i>	-0.03	
			<i>For >5,000 To 10,000, Deduct</i>	-0.07	
			<i>For >10,000 To 20,000, Deduct</i>	-0.10	
			<i>For >20,000, Deduct</i>	-0.13	



Finishes	09	09
Painting And Coating	09 90	
Painting	09 91	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0204 SF Paint Interior Wood Beams, 1 Coat Paint, Sprayed.....	1.31	
For Oil Based Paint, Add	0.07	
For Up To 100, Add	0.90	
For >100 To 250, Add	0.43	
For >250 To 500, Add	0.18	
For >2,500 To 5,000, Deduct	-0.07	
For >5,000 To 10,000, Deduct	-0.13	
For >10,000 To 20,000, Deduct	-0.20	
For >20,000, Deduct	-0.26	
09 91 23 00-0205 SF Paint Interior Wood Beams, 2 Coats Paint, Sprayed.....	1.09	
For Oil Based Paint, Add	0.07	
For Up To 100, Add	0.66	
For >100 To 250, Add	0.32	
For >250 To 500, Add	0.14	
For >2,500 To 5,000, Deduct	-0.05	
For >5,000 To 10,000, Deduct	-0.11	
For >10,000 To 20,000, Deduct	-0.16	
For >20,000, Deduct	-0.22	
09 91 23 00-0206 Paint Interior Floors And Decks (09 91 23)		
09 91 23 00-0207 Paint Interior Concrete Floors And Decks (09 91 23 00-0206)		
09 91 23 00-0208 SF Paint Interior Concrete Floors And Decks, 1 Coat Primer, Brush Work.....	0.64	
For Oil Based Paint, Add	0.04	
For Epoxy Paint, Add	0.07	
For Up To 100, Add	0.41	
For >100 To 250, Add	0.20	
For >250 To 500, Add	0.09	
For >2,500 To 5,000, Deduct	-0.03	
For >5,000 To 10,000, Deduct	-0.06	
For >10,000 To 20,000, Deduct	-0.10	
For >20,000, Deduct	-0.13	
09 91 23 00-0209 SF Paint Interior Concrete Floors And Decks, 1 Coat Paint, Brush Work.....	0.72	
For Oil Based Paint, Add	0.04	
For Epoxy Paint, Add	0.06	
For Up To 100, Add	0.49	
For >100 To 250, Add	0.23	
For >250 To 500, Add	0.10	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.07	
For >10,000 To 20,000, Deduct	-0.11	
For >20,000, Deduct	-0.14	
09 91 23 00-0210 SF Paint Interior Concrete Floors And Decks, 2 Coats Paint, Brush Work.....	1.40	
For Oil Based Paint, Add	0.08	
For Epoxy Paint, Add	0.12	
For Up To 100, Add	0.95	
For >100 To 250, Add	0.45	
For >250 To 500, Add	0.19	
For >2,500 To 5,000, Deduct	-0.07	
For >5,000 To 10,000, Deduct	-0.14	
For >10,000 To 20,000, Deduct	-0.21	
For >20,000, Deduct	-0.28	
09 91 23 00-0211 SF Paint Interior Concrete Floors And Decks, 1 Coat Primer, Brush/Roller Work.....	0.63	
For Oil Based Paint, Add	0.04	
For Epoxy Paint, Add	0.06	
For Up To 100, Add	0.41	
For >100 To 250, Add	0.19	
For >250 To 500, Add	0.08	
For >2,500 To 5,000, Deduct	-0.03	
For >5,000 To 10,000, Deduct	-0.06	
For >10,000 To 20,000, Deduct	-0.09	
For >20,000, Deduct	-0.13	
09 91 23 00-0212 SF Paint Interior Concrete Floors And Decks, 1 Coat Paint, Brush/Roller Work.....	0.62	
For Oil Based Paint, Add	0.04	
For Epoxy Paint, Add	0.06	
For Up To 100, Add	0.41	
For >100 To 250, Add	0.19	
For >250 To 500, Add	0.08	
For >2,500 To 5,000, Deduct	-0.03	
For >5,000 To 10,000, Deduct	-0.06	
For >10,000 To 20,000, Deduct	-0.09	
For >20,000, Deduct	-0.12	
09 91 23 00-0213 SF Paint Interior Concrete Floors And Decks, 2 Coats Paint, Brush/Roller Work.....	0.99	
For Oil Based Paint, Add	0.06	
For Epoxy Paint, Add	0.10	
For Up To 100, Add	0.64	
For >100 To 250, Add	0.30	
For >250 To 500, Add	0.13	
For >2,500 To 5,000, Deduct	-0.05	
For >5,000 To 10,000, Deduct	-0.10	
For >10,000 To 20,000, Deduct	-0.15	
For >20,000, Deduct	-0.20	

09 Finishes**09 90 Painting And Coating****09 91 Painting**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0214 SF Paint Interior Concrete Floors And Decks, 1 Coat Primer, Sprayed.....	0.41	
For Oil Based Paint, Add	0.03	
For Epoxy Paint, Add	0.06	
For Up To 100, Add	0.23	
For >100 To 250, Add	0.11	
For >250 To 500, Add	0.05	
For >2,500 To 5,000, Deduct	-0.02	
For >5,000 To 10,000, Deduct	-0.04	
For >10,000 To 20,000, Deduct	-0.06	
For >20,000, Deduct	-0.08	
09 91 23 00-0215 SF Paint Interior Concrete Floors And Decks, 1 Coat Paint, Sprayed.....	0.42	
For Oil Based Paint, Add	0.03	
For Epoxy Paint, Add	0.05	
For Up To 100, Add	0.25	
For >100 To 250, Add	0.12	
For >250 To 500, Add	0.05	
For >2,500 To 5,000, Deduct	-0.02	
For >5,000 To 10,000, Deduct	-0.04	
For >10,000 To 20,000, Deduct	-0.06	
For >20,000, Deduct	-0.08	
09 91 23 00-0216 SF Paint Interior Concrete Floors And Decks, 2 Coats Paint, Sprayed.....	0.74	
For Oil Based Paint, Add	0.05	
For Epoxy Paint, Add	0.10	
For Up To 100, Add	0.43	
For >100 To 250, Add	0.21	
For >250 To 500, Add	0.09	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.07	
For >10,000 To 20,000, Deduct	-0.11	
For >20,000, Deduct	-0.15	
09 91 23 00-0217 SF Paint Interior Concrete Floors And Decks, 1 Coat Bonding Agent, Brush.....	0.66	
For Up To 100, Add	0.42	
For >100 To 250, Add	0.20	
For >250 To 500, Add	0.09	
For >2,500 To 5,000, Deduct	-0.03	
For >5,000 To 10,000, Deduct	-0.07	
For >10,000 To 20,000, Deduct	-0.10	
For >20,000, Deduct	-0.13	
09 91 23 00-0218 SF Paint Interior Concrete Floors And Decks, 1 Coat Bonding Agent, Brush/Roller Work.....	0.65	
For Up To 100, Add	0.41	
For >100 To 250, Add	0.20	
For >250 To 500, Add	0.08	
For >2,500 To 5,000, Deduct	-0.03	
For >5,000 To 10,000, Deduct	-0.07	
For >10,000 To 20,000, Deduct	-0.10	
For >20,000, Deduct	-0.13	
09 91 23 00-0219 SF Paint Interior Concrete Floors And Decks, 1 Coat Bonding Agent, Sprayed.....	0.43	
For Up To 100, Add	0.23	
For >100 To 250, Add	0.11	
For >250 To 500, Add	0.05	
For >2,500 To 5,000, Deduct	-0.02	
For >5,000 To 10,000, Deduct	-0.04	
For >10,000 To 20,000, Deduct	-0.06	
For >20,000, Deduct	-0.09	
09 91 23 00-0220 SF Paint Interior Concrete Floors And Decks, 1 Coat Non Slip Paint, Brush Work.....	1.44	
For Up To 100, Add	0.60	
For >100 To 250, Add	0.30	
For >250 To 500, Add	0.14	
For >2,500 To 5,000, Deduct	-0.07	
For >5,000 To 10,000, Deduct	-0.14	
For >10,000 To 20,000, Deduct	-0.22	
For >20,000, Deduct	-0.29	
09 91 23 00-0221 SF Paint Interior Concrete Floors And Decks, 1 Coat Non Slip Epoxy Coating, Brush Work (Rust-Oleum® AS91864251).....	3.62	
For Up To 100, Add	0.93	
For >100 To 250, Add	0.52	
For >250 To 500, Add	0.25	
For >2,500 To 5,000, Deduct	-0.18	
For >5,000 To 10,000, Deduct	-0.36	
For >10,000 To 20,000, Deduct	-0.54	
For >20,000, Deduct	-0.72	
09 91 23 00-0222 Paint Interior Wood Floors And Decks (09 91 23 00-0206)		
09 91 23 00-0223 SF Paint Interior Wood Floors And Decks, 1 Coat Primer, Brush Work.....	0.79	
For Oil Based Paint, Add	0.05	
For Up To 100, Add	0.50	
For >100 To 250, Add	0.24	
For >250 To 500, Add	0.10	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.08	
For >10,000 To 20,000, Deduct	-0.12	
For >20,000, Deduct	-0.16	



Finishes	09	09
Painting And Coating	09 90	
Painting	09 91	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0224 SF Paint Interior Wood Floors And Decks, 1 Coat Paint, Brush Work.....	0.87	
For Oil Based Paint, Add	0.05	
For Up To 100, Add	0.57	
For >100 To 250, Add	0.27	
For >250 To 500, Add	0.12	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.09	
For >10,000 To 20,000, Deduct	-0.13	
For >20,000, Deduct	-0.17	
09 91 23 00-0225 SF Paint Interior Wood Floors And Decks, 2 Coats Paint, Brush Work.....	1.63	
For Oil Based Paint, Add	0.09	
For Up To 100, Add	1.07	
For >100 To 250, Add	0.51	
For >250 To 500, Add	0.22	
For >2,500 To 5,000, Deduct	-0.08	
For >5,000 To 10,000, Deduct	-0.16	
For >10,000 To 20,000, Deduct	-0.24	
For >20,000, Deduct	-0.33	
09 91 23 00-0226 SF Paint Interior Wood Floors And Decks, 1 Coat Primer, Brush/Roller Work.....	0.62	
For Oil Based Paint, Add	0.04	
For Up To 100, Add	0.36	
For >100 To 250, Add	0.17	
For >250 To 500, Add	0.08	
For >2,500 To 5,000, Deduct	-0.03	
For >5,000 To 10,000, Deduct	-0.06	
For >10,000 To 20,000, Deduct	-0.09	
For >20,000, Deduct	-0.12	
09 91 23 00-0227 SF Paint Interior Wood Floors And Decks, 1 Coat Paint, Brush/Roller Work	0.68	
For Oil Based Paint, Add	0.04	
For Up To 100, Add	0.42	
For >100 To 250, Add	0.20	
For >250 To 500, Add	0.09	
For >2,500 To 5,000, Deduct	-0.03	
For >5,000 To 10,000, Deduct	-0.07	
For >10,000 To 20,000, Deduct	-0.10	
For >20,000, Deduct	-0.14	
09 91 23 00-0228 SF Paint Interior Wood Floors And Decks, 2 Coats Paint, Brush/Roller Work	1.34	
For Oil Based Paint, Add	0.08	
For Up To 100, Add	0.83	
For >100 To 250, Add	0.39	
For >250 To 500, Add	0.17	
For >2,500 To 5,000, Deduct	-0.07	
For >5,000 To 10,000, Deduct	-0.13	
For >10,000 To 20,000, Deduct	-0.20	
For >20,000, Deduct	-0.27	
09 91 23 00-0229 SF Paint Interior Wood Floors And Decks, 1 Coat Primer, Sprayed.....	0.44	
For Oil Based Paint, Add	0.03	
For Up To 100, Add	0.25	
For >100 To 250, Add	0.12	
For >250 To 500, Add	0.05	
For >2,500 To 5,000, Deduct	-0.02	
For >5,000 To 10,000, Deduct	-0.04	
For >10,000 To 20,000, Deduct	-0.07	
For >20,000, Deduct	-0.09	
09 91 23 00-0230 SF Paint Interior Wood Floors And Decks, 1 Coat Paint, Sprayed.....	0.55	
For Oil Based Paint, Add	0.03	
For Up To 100, Add	0.33	
For >100 To 250, Add	0.16	
For >250 To 500, Add	0.07	
For >2,500 To 5,000, Deduct	-0.03	
For >5,000 To 10,000, Deduct	-0.06	
For >10,000 To 20,000, Deduct	-0.08	
For >20,000, Deduct	-0.11	
09 91 23 00-0231 SF Paint Interior Wood Floors And Decks, 2 Coats Paint, Sprayed	0.80	
For Oil Based Paint, Add	0.05	
For Up To 100, Add	0.44	
For >100 To 250, Add	0.22	
For >250 To 500, Add	0.09	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.08	
For >10,000 To 20,000, Deduct	-0.12	
For >20,000, Deduct	-0.16	
09 91 23 00-0232 SF Paint Interior Wood Floors And Decks, 1 Coat Non Slip Paint, Brush Work	1.44	
For Up To 100, Add	0.60	
For >100 To 250, Add	0.30	
For >250 To 500, Add	0.14	
For >2,500 To 5,000, Deduct	-0.07	
For >5,000 To 10,000, Deduct	-0.14	
For >10,000 To 20,000, Deduct	-0.22	
For >20,000, Deduct	-0.29	

09 Finishes**09 90 Painting And Coating****09 91 Painting**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0233	SF		Paint Interior Wood Floors And Decks, 1 Coat Non Slip Epoxy Coating, Brush Work.....	3.62	
			<i>For Up To 100, Add</i>	0.93	
			<i>For >100 To 250, Add</i>	0.52	
			<i>For >250 To 500, Add</i>	0.25	
			<i>For >2,500 To 5,000, Deduct</i>	-0.18	
			<i>For >5,000 To 10,000, Deduct</i>	-0.36	
			<i>For >10,000 To 20,000, Deduct</i>	-0.54	
			<i>For >20,000, Deduct</i>	-0.72	
09 91 23 00-0234			Paint Interior Doors And Windows (09 91 23)		
09 91 23 00-0235			Paint Interior Door Frames (09 91 23 00-0234)		
09 91 23 00-0236	LF		Paint Interior Wood Door Frame And Trim, 1 Coat Primer, Brush/Roller Work.....	0.99	
			<i>For Oil Based Paint, Add</i>	0.05	
			<i>For Painting One Face Of Frame Only, Deduct</i>	-0.26	
09 91 23 00-0237	LF		Paint Interior Wood Door Frame And Trim, 1 Coat Paint, Brush/Roller Work.....	1.29	
			<i>For Oil Based Paint, Add</i>	0.07	
			<i>For Painting One Face Of Frame Only, Deduct</i>	-0.33	
09 91 23 00-0238	LF		Paint Interior Wood Door Frame And Trim, 2 Coats Paint, Brush/Roller Work.....	2.17	
			<i>For Oil Based Paint, Add</i>	0.12	
			<i>For Painting One Face Of Frame Only, Deduct</i>	-0.56	
09 91 23 00-0239	LF		Paint Interior Metal Door Frame And Trim, 1 Coat Primer, Brush/Roller Work.....	0.98	
			<i>For Oil Based Paint, Add</i>	0.05	
			<i>For Painting One Face Of Frame Only, Deduct</i>	-0.26	
09 91 23 00-0240	LF		Paint Interior Metal Door Frame And Trim, 1 Coat Paint, Brush/Roller Work.....	1.28	
			<i>For Oil Based Paint, Add</i>	0.07	
			<i>For Painting One Face Of Frame Only, Deduct</i>	-0.33	
09 91 23 00-0241	LF		Paint Interior Metal Door Frame And Trim, 2 Coats Paint, Brush/Roller Work.....	2.16	
			<i>For Oil Based Paint, Add</i>	0.11	
			<i>For Painting One Face Of Frame Only, Deduct</i>	-0.56	
09 91 23 00-0242			Paint Interior Metal Doors (09 91 23 00-0234)		
09 91 23 00-0243	EA		Paint Interior Metal Door, One Face, 1 Coat Primer, Brush/Roller Work.....	40.65	
			<i>For Electrostatic Painting, Add</i>	5.59	
			<i>For Half Louvered Door, Add</i>	4.58	
			<i>For Full Louvered Door, Add</i>	7.63	
			<i>For Oil Based Paint, Add</i>	2.54	
			<i>For >5 To 10, Deduct</i>	-2.03	
			<i>For >10 To 25, Deduct</i>	-4.07	
			<i>For >25, Deduct</i>	-6.10	
09 91 23 00-0244	EA		Paint Interior Metal Door, One Face, 1 Coat Paint, Brush/Roller Work.....	40.65	
			<i>For Electrostatic Painting, Add</i>	5.59	
			<i>For Half Louvered Door, Add</i>	4.58	
			<i>For Full Louvered Door, Add</i>	7.63	
			<i>For Oil Based Paint, Add</i>	2.54	
			<i>For >5 To 10, Deduct</i>	-2.03	
			<i>For >10 To 25, Deduct</i>	-4.07	
			<i>For >25, Deduct</i>	-6.10	
09 91 23 00-0245	EA		Paint Interior Metal Door, One Face, 2 Coats Paint, Brush/Roller Work.....	71.68	
			<i>For Electrostatic Painting, Add</i>	10.19	
			<i>For Half Louvered Door, Add</i>	7.73	
			<i>For Full Louvered Door, Add</i>	12.88	
			<i>For Oil Based Paint, Add</i>	4.59	
			<i>For >5 To 10, Deduct</i>	-3.58	
			<i>For >10 To 25, Deduct</i>	-7.17	
			<i>For >25, Deduct</i>	-10.75	
09 91 23 00-0246	EA		Paint Interior Metal Door, Both Faces, 1 Coat Primer, Brush/Roller Work.....	72.92	
			<i>For Electrostatic Painting, Add</i>	10.03	
			<i>For Half Louvered Door, Add</i>	8.20	
			<i>For Full Louvered Door, Add</i>	13.67	
			<i>For Oil Based Paint, Add</i>	4.56	
			<i>For >5 To 10, Deduct</i>	-3.65	
			<i>For >10 To 25, Deduct</i>	-7.29	
			<i>For >25, Deduct</i>	-10.94	
09 91 23 00-0247	EA		Paint Interior Metal Door, Both Faces, 1 Coat Paint, Brush/Roller Work.....	72.93	
			<i>For Electrostatic Painting, Add</i>	10.03	
			<i>For Half Louvered Door, Add</i>	8.21	
			<i>For Full Louvered Door, Add</i>	13.68	
			<i>For Oil Based Paint, Add</i>	4.56	
			<i>For >5 To 10, Deduct</i>	-3.65	
			<i>For >10 To 25, Deduct</i>	-7.29	
			<i>For >25, Deduct</i>	-10.94	
09 91 23 00-0248	EA		Paint Interior Metal Door, Both Faces, 2 Coats Paint, Brush/Roller Work.....	129.00	
			<i>For Electrostatic Painting, Add</i>	18.37	
			<i>For Half Louvered Door, Add</i>	13.88	
			<i>For Full Louvered Door, Add</i>	23.13	
			<i>For Oil Based Paint, Add</i>	8.27	
			<i>For >5 To 10, Deduct</i>	-6.45	
			<i>For >10 To 25, Deduct</i>	-12.90	
			<i>For >25, Deduct</i>	-19.35	



Finishes	09	09
Painting And Coating	09 90	
Painting	09 91	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0249 EA Paint Interior Metal Door, One Face, 1 Coat Primer, Sprayed.....	29.46	
For Electrostatic Painting, Add	4.62	
For Half Louvered Door, Add	2.75	
For Full Louvered Door, Add	4.58	
For Oil Based Paint, Add	2.03	
For >5 To 10, Deduct	-1.47	
For >10 To 25, Deduct	-2.95	
For >25, Deduct	-4.42	
09 91 23 00-0250 EA Paint Interior Metal Door, One Face, 1 Coat Paint, Sprayed.....	29.46	
For Electrostatic Painting, Add	4.62	
For Half Louvered Door, Add	2.75	
For Full Louvered Door, Add	4.58	
For Oil Based Paint, Add	2.03	
For >5 To 10, Deduct	-1.47	
For >10 To 25, Deduct	-2.95	
For >25, Deduct	-4.42	
09 91 23 00-0251 EA Paint Interior Metal Door, One Face, 2 Coats Paint, Sprayed.....	53.08	
For Electrostatic Painting, Add	8.64	
For Half Louvered Door, Add	4.64	
For Full Louvered Door, Add	7.73	
For Oil Based Paint, Add	3.76	
For >5 To 10, Deduct	-2.65	
For >10 To 25, Deduct	-5.31	
For >25, Deduct	-7.96	
09 91 23 00-0252 EA Paint Interior Metal Door, Both Faces, 1 Coat Primer, Sprayed.....	52.87	
For Electrostatic Painting, Add	8.30	
For Half Louvered Door, Add	4.92	
For Full Louvered Door, Add	8.20	
For Oil Based Paint, Add	3.65	
For >5 To 10, Deduct	-2.64	
For >10 To 25, Deduct	-5.29	
For >25, Deduct	-7.93	
09 91 23 00-0253 EA Paint Interior Metal Door, Both Faces, 1 Coat Paint, Sprayed.....	52.87	
For Electrostatic Painting, Add	8.30	
For Half Louvered Door, Add	4.92	
For Full Louvered Door, Add	8.20	
For Oil Based Paint, Add	3.65	
For >5 To 10, Deduct	-2.64	
For >10 To 25, Deduct	-5.29	
For >25, Deduct	-7.93	
09 91 23 00-0254 EA Paint Interior Metal Door, Both Faces, 2 Coats Paint, Sprayed.....	95.63	
For Electrostatic Painting, Add	15.58	
For Half Louvered Door, Add	8.33	
For Full Louvered Door, Add	13.88	
For Oil Based Paint, Add	6.79	
For >5 To 10, Deduct	-4.78	
For >10 To 25, Deduct	-9.56	
For >25, Deduct	-14.34	
09 91 23 00-0255 Paint Interior Wood Doors (09 91 23 00-0234)		
09 91 23 00-0256 EA Paint Interior Wood Door, One Face, 1 Coat Primer, Brush/Roller Work.....	40.65	
For Oil Based Paint, Add	2.54	
For Half Louvered Door, Add	4.58	
For Full Louvered Door, Add	7.63	
For >5 To 10, Deduct	-2.03	
For >10 To 25, Deduct	-4.07	
For >25, Deduct	-6.10	
09 91 23 00-0257 EA Paint Interior Wood Door, One Face, 1 Coat Paint, Brush/Roller Work.....	40.65	
For Oil Based Paint, Add	2.54	
For Half Louvered Door, Add	4.58	
For Full Louvered Door, Add	7.63	
For >5 To 10, Deduct	-2.03	
For >10 To 25, Deduct	-4.07	
For >25, Deduct	-6.10	
09 91 23 00-0258 EA Paint Interior Wood Door, One Face, 2 Coats Paint, Brush/Roller Work.....	71.68	
For Oil Based Paint, Add	4.59	
For Half Louvered Door, Add	7.73	
For Full Louvered Door, Add	12.88	
For >5 To 10, Deduct	-3.58	
For >10 To 25, Deduct	-7.17	
For >25, Deduct	-10.75	
09 91 23 00-0259 EA Paint Interior Wood Door, Both Faces, 1 Coat Primer, Brush/Roller Work.....	72.93	
For Oil Based Paint, Add	4.56	
For Half Louvered Door, Add	8.21	
For Full Louvered Door, Add	13.68	
For >5 To 10, Deduct	-3.65	
For >10 To 25, Deduct	-7.29	
For >25, Deduct	-10.94	
09 91 23 00-0260 EA Paint Interior Wood Door, Both Faces, 1 Coat Paint, Brush/Roller Work.....	72.93	
For Oil Based Paint, Add	4.56	
For Half Louvered Door, Add	8.21	
For Full Louvered Door, Add	13.68	
For >5 To 10, Deduct	-3.65	
For >10 To 25, Deduct	-7.29	
For >25, Deduct	-10.94	

09 Finishes**09 90 Painting And Coating****09 91 Painting**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0261 EA Paint Interior Wood Door, Both Faces, 2 Coats Paint, Brush/Roller Work.....	129.00	
For Oil Based Paint, Add	8.27	
For Half Louvered Door, Add	13.88	
For Full Louvered Door, Add	23.13	
For >5 To 10, Deduct	-6.45	
For >10 To 25, Deduct	-12.90	
For >25, Deduct	-19.35	
09 91 23 00-0262 EA Paint Interior Wood Door, One Face, 1 Coat Primer, Sprayed.....	29.46	
For Oil Based Paint, Add	2.03	
For Half Louvered Door, Add	2.75	
For Full Louvered Door, Add	4.58	
For >5 To 10, Deduct	-1.47	
For >10 To 25, Deduct	-2.95	
For >25, Deduct	-4.42	
09 91 23 00-0263 EA Paint Interior Wood Door, One Face, 1 Coat Paint, Sprayed.....	29.46	
For Oil Based Paint, Add	2.03	
For Half Louvered Door, Add	2.75	
For Full Louvered Door, Add	4.58	
For >5 To 10, Deduct	-1.47	
For >10 To 25, Deduct	-2.95	
For >25, Deduct	-4.42	
09 91 23 00-0264 EA Paint Interior Wood Door, One Face, 2 Coats Paint, Sprayed.....	53.10	
For Oil Based Paint, Add	3.76	
For Half Louvered Door, Add	4.64	
For Full Louvered Door, Add	7.73	
For >5 To 10, Deduct	-2.66	
For >10 To 25, Deduct	-5.31	
For >25, Deduct	-7.97	
09 91 23 00-0265 EA Paint Interior Wood Door, Both Faces, 1 Coat Primer, Sprayed.....	52.87	
For Oil Based Paint, Add	3.65	
For Half Louvered Door, Add	4.92	
For Full Louvered Door, Add	8.20	
For >5 To 10, Deduct	-2.64	
For >10 To 25, Deduct	-5.29	
For >25, Deduct	-7.93	
09 91 23 00-0266 EA Paint Interior Wood Door, Both Faces, 1 Coat Paint, Sprayed.....	52.87	
For Oil Based Paint, Add	3.65	
For Half Louvered Door, Add	4.92	
For Full Louvered Door, Add	8.20	
For >5 To 10, Deduct	-2.64	
For >10 To 25, Deduct	-5.29	
For >25, Deduct	-7.93	
09 91 23 00-0267 EA Paint Interior Wood Door, Both Faces, 2 Coats Paint, Sprayed.....	95.63	
For Oil Based Paint, Add	6.79	
For Half Louvered Door, Add	8.33	
For Full Louvered Door, Add	13.88	
For >5 To 10, Deduct	-4.78	
For >10 To 25, Deduct	-9.56	
For >25, Deduct	-14.34	
09 91 23 00-0268 Paint Interior Metal Windows (09 91 23 00-0234)		
Note: Two finish coats paint over rust inhibitive primer.		
09 91 23 00-0269 EA Up To 8 SF Window Size, Paint Interior Metal Window Including Trim.....	75.12	
For Oil Based Paint, Add	4.09	
For Electrostatic Painting, Add	8.52	
For >5 To 10, Deduct	-3.76	
For >10 To 25, Deduct	-7.51	
For >25, Deduct	-11.27	
09 91 23 00-0270 EA >8 To 14 SF Window Size, Paint Interior Metal Window Including Trim.....	89.30	
For Oil Based Paint, Add	4.99	
For Electrostatic Painting, Add	10.49	
For >5 To 10, Deduct	-4.47	
For >10 To 25, Deduct	-8.93	
For >25, Deduct	-13.40	
09 91 23 00-0271 EA >14 To 20 SF Window Size, Paint Interior Metal Window Including Trim.....	119.98	
For Oil Based Paint, Add	6.74	
For Electrostatic Painting, Add	14.22	
For >5 To 10, Deduct	-6.00	
For >10 To 25, Deduct	-12.00	
For >25, Deduct	-18.00	
09 91 23 00-0272 EA >20 To 26 SF Window Size, Paint Interior Metal Window Including Trim.....	135.07	
For Oil Based Paint, Add	7.59	
For Electrostatic Painting, Add	16.02	
For >5 To 10, Deduct	-6.75	
For >10 To 25, Deduct	-13.51	
For >25, Deduct	-20.26	
09 91 23 00-0273 EA >26 To 34 SF Window Size, Paint Interior Metal Window Including Trim.....	149.88	
For Oil Based Paint, Add	8.41	
For Electrostatic Painting, Add	17.75	
For >5 To 10, Deduct	-7.49	
For >10 To 25, Deduct	-14.99	
For >25, Deduct	-22.48	
09 91 23 00-0274 SF >34 SF Window Size, Paint Interior Metal Window Including Trim.....	4.76	
For Oil Based Paint, Add	0.27	
For Electrostatic Painting, Add	0.56	



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Painting And Coating	09 90	9
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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0275 Wood Windows <small>(09 91 23 00-0234)</small>		
Note: Two finish coats paint over primer.		
09 91 23 00-0276 EA Up To 8 SF Window Size, Paint Interior Wood Windows Including Trim	75.12	
For Oil Based Paint, Add	4.09	
For >5 To 10, Deduct	-3.76	
For >10 To 25, Deduct	-7.51	
For >25, Deduct	-11.27	
09 91 23 00-0277 EA >8 To 14 SF Window Size, Paint Interior Wood Windows Including Trim	89.30	
For Oil Based Paint, Add	4.99	
For >5 To 10, Deduct	-4.47	
For >10 To 25, Deduct	-8.93	
For >25, Deduct	-13.40	
09 91 23 00-0278 EA >14 To 20 SF Window Size, Paint Interior Wood Windows Including Trim	119.98	
For Oil Based Paint, Add	6.74	
For >5 To 10, Deduct	-6.00	
For >10 To 25, Deduct	-12.00	
For >25, Deduct	-18.00	
09 91 23 00-0279 EA >20 To 26 SF Window Size, Paint Interior Wood Windows Including Trim	135.07	
For Oil Based Paint, Add	7.59	
For >5 To 10, Deduct	-6.75	
For >10 To 25, Deduct	-13.51	
For >25, Deduct	-20.26	
09 91 23 00-0280 EA >26 To 34 SF Window Size, Paint Interior Wood Windows Including Trim	149.88	
For Oil Based Paint, Add	8.41	
For >5 To 10, Deduct	-7.49	
For >10 To 25, Deduct	-14.99	
For >25, Deduct	-22.48	
09 91 23 00-0281 SF >34 SF Window Size, Paint Interior Wood Windows Including Trim	5.02	
For Oil Based Paint, Add	0.28	
09 91 23 00-0282 Paint Interior Security Screens <small>(09 91 23 00-0234)</small>		
09 91 23 00-0283 SF Paint Interior Security Screen, 1 Coat Primer, Brush/Roller Work	1.29	
For Oil Based Paint, Add	0.07	
For Electrostatic Painting, Add	0.15	
09 91 23 00-0284 SF Paint Interior Security Screen, 1 Coat Paint, Brush/Roller Work	1.38	
For Oil Based Paint, Add	0.07	
For Electrostatic Painting, Add	0.15	
09 91 23 00-0285 SF Paint Interior Security Screen, 2 Coats Paint, Brush/Roller Work	2.26	
For Oil Based Paint, Add	0.12	
For Electrostatic Painting, Add	0.25	
09 91 23 00-0286 Paint Interior Window Guards <small>(09 91 23 00-0234)</small>		
09 91 23 00-0287 SF Paint Interior Metal Window Guards, 1 Coat Primer, Brush/Roller Work	1.29	
For Oil Based Paint, Add	0.07	
09 91 23 00-0288 SF Paint Interior Metal Window Guards, 1 Coat Paint, Brush/Roller Work	1.38	
For Oil Based Paint, Add	0.07	
09 91 23 00-0289 SF Paint Interior Metal Window Guards, 2 Coats Paint, Brush/Roller Work	2.26	
For Oil Based Paint, Add	0.12	
09 91 23 00-0290 Paint Interior Window Trim <small>(09 91 23 00-0234)</small>		
09 91 23 00-0291 LF Paint Interior Wood Window Frame And Trim, 1 Coat Primer, Brush/Roller Work	1.30	
For Oil Based Paint, Add	0.07	
For Painting One Face Of Frame Only, Deduct	-0.35	
09 91 23 00-0292 LF Paint Interior Wood Window Frame And Trim, 1 Coat Paint, Brush/Roller Work	1.30	
For Oil Based Paint, Add	0.07	
For Painting One Face Of Frame Only, Deduct	-0.35	
09 91 23 00-0293 LF Paint Interior Wood Window Frame And Trim, 2 Coats Paint, Brush/Roller Work	1.50	
For Oil Based Paint, Add	0.09	
For Painting One Face Of Frame Only, Deduct	-0.43	
09 91 23 00-0294 LF Paint Interior Metal Window Frame And Trim, 1 Coat Primer, Brush/Roller Work	1.33	
Note: Brush/roller work.		
For Painting One Face Of Frame Only, Deduct	-0.37	
09 91 23 00-0295 LF Paint Interior Metal Window Frame And Trim, 1 Coat Paint, Brush/Roller Work	1.33	
Note: Brush/roller work.		
For Painting One Face Of Frame Only, Deduct	-0.37	
09 91 23 00-0296 LF Paint Interior Metal Window Frame And Trim, 2 Coats Paint, Brush/Roller Work	1.56	
Note: Brush/roller work.		
For Painting One Face Of Frame Only, Deduct	-0.46	
09 91 23 00-0297 Paint Interior Cabinets And Casework <small>(09 91 23)</small>		
09 91 23 00-0298 Paint Interior Wood Cabinets And Casework <small>(09 91 23 00-0297)</small>		
09 91 23 00-0299 SF Paint Interior Wood Cabinets And Casework, 1 Coat Paint, Brush/Roller Work	1.10	
For >5,000 To 10,000, Deduct	-0.06	
For >10,000 To 20,000, Deduct	-0.11	
For >20,000, Deduct	-0.17	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0300 SF Paint Interior Wood Cabinets And Casework, 1 Coat Enamel Primer, 1 Coat Alkyd Or Latex Paint, Brush/Roller Work.....	1.52	
For >5,000 To 10,000, Deduct	-0.08	
For >10,000 To 20,000, Deduct	-0.15	
For >20,000, Deduct	-0.23	
09 91 23 00-0301 SF Paint Interior Wood Cabinets And Casework, 1 Coat Enamel Primer, 2 Coats Alkyd Or Latex Paint, Brush/Roller Work.....	2.37	
For >5,000 To 10,000, Deduct	-0.12	
For >10,000 To 20,000, Deduct	-0.24	
For >20,000, Deduct	-0.36	
09 91 23 00-0302 Paint Exposed Metal Lockers (09 91 23 00-0297)		
09 91 23 00-0303 SF Paint Exposed Metal Locker, 1 Coat Primer, Brush/Roller Work.....	1.19	
For >5,000 To 10,000, Deduct	-0.06	
For >10,000 To 20,000, Deduct	-0.12	
For >20,000, Deduct	-0.18	
09 91 23 00-0304 SF Paint Exposed Metal Locker, 1 Coat Alkyd Enamel, Brush/Roller Work.....	1.26	
For >5,000 To 10,000, Deduct	-0.06	
For >10,000 To 20,000, Deduct	-0.13	
For >20,000, Deduct	-0.19	
09 91 23 00-0305 SF Paint Exposed Metal Locker, 2 Coats Alkyd Enamel, Brush/Roller Work.....	2.30	
For >5,000 To 10,000, Deduct	-0.12	
For >10,000 To 20,000, Deduct	-0.23	
For >20,000, Deduct	-0.35	
09 91 23 00-0306 Paint Interior Stairs (09 91 23)		
09 91 23 00-0307 Paint Interior Concrete Stairs (09 91 23 00-0306)		
Note: Includes the riser and tread.		
09 91 23 00-0308 RSR Paint Interior Concrete Stair (To 4' Wide), 1 Coat Primer, Brush/Roller Work.....	17.97	
09 91 23 00-0309 RSR Paint Interior Concrete Stair (To 4' Wide), 1 Coat Alkyd Enamel, Brush/Roller Work.....	17.97	
09 91 23 00-0310 RSR Paint Interior Concrete Stair (To 4' Wide), 1 Coat Non Slip Paint, Brush/Roller Work.....	12.18	
Note: Excludes riser.		
09 91 23 00-0311 RSR Paint Interior Concrete Stair (To 4' Wide), 1 Coat Non Slip Epoxy Coating, Brush/Roller Work.....	20.89	
Note: Excludes riser.		
09 91 23 00-0312 RSR Paint Interior Concrete Stair (To 4' Wide), 2 Coats Alkyd Enamel, Brush/Roller Work.....	35.92	
09 91 23 00-0313 Paint Interior Metal Stairs (09 91 23 00-0306)		
Note: Includes the riser and tread.		
09 91 23 00-0314 RSR Paint Interior Metal Stair (To 4' Wide), 1 Coat Primer, Brush/Roller Work.....	9.54	
09 91 23 00-0315 RSR Paint Interior Metal Stair (To 4' Wide), 1 Coat Alkyd Enamel, Brush/Roller Work.....	9.17	
09 91 23 00-0316 RSR Paint Interior Metal Stair (To 4' Wide), 2 Coats Alkyd Enamel, Brush/Roller Work.....	18.34	
09 91 23 00-0317 Paint Interior Wood Stairs (09 91 23 00-0306)		
Note: Includes the riser and tread.		
09 91 23 00-0318 RSR Paint Interior Wood Stair (To 4' Wide), 1 Coat Primer, Brush/Roller Work.....	9.17	
09 91 23 00-0319 RSR Paint Interior Wood Stair (To 4' Wide), 1 Coat Alkyd Enamel, Brush/Roller Work.....	9.16	
09 91 23 00-0320 RSR Paint Interior Wood Stair (To 4' Wide), 1 Coat Non Slip Paint, Brush/Roller Work.....	7.78	
Note: Excludes riser.		
09 91 23 00-0321 RSR Paint Interior Wood Stair (To 4' Wide), 1 Coat Non Slip Epoxy Coating, Brush/Roller Work.....	16.49	
Note: Excludes riser.		
09 91 23 00-0322 RSR Paint Interior Wood Stair (To 4' Wide), 2 Coats Alkyd Enamel, Brush/Roller Work.....	18.33	
09 91 23 00-0323 Paint Interior Stair Nosing (09 91 23 00-0306)		
09 91 23 00-0324 LF Paint Interior Yellow Stair Safety Strip, Up To 2", Non Slip, Brush Work.....	1.35	
09 91 23 00-0325 Paint Interior Trim (09 91 23)		
09 91 23 00-0326 Paint Interior Metal Trim (09 91 23 00-0325)		
09 91 23 00-0327 SF Paint Interior Exposed Metal Trim, 1 Coat Primer, Brush Work.....	1.24	
09 91 23 00-0328 SF Paint Interior Exposed Metal Trim, 1 Coat Paint, Brush Work.....	1.24	
09 91 23 00-0329 SF Paint Interior Exposed Metal Trim, 2 Coats Paint, Brush Work.....	2.22	
09 91 23 00-0330 SF Paint Interior Metal Trim, 1 Coat Primer, Brush/Roller Work.....	1.24	
09 91 23 00-0331 SF Paint Interior Metal Trim, 1 Coat Paint, Brush/Roller Work.....	1.24	
09 91 23 00-0332 SF Paint Interior Metal Trim, 2 Coats Paint, Brush/Roller Work.....	2.22	
09 91 23 00-0333 Paint Interior Wood Trim (09 91 23 00-0325)		
09 91 23 00-0334 LF Paint Interior Wood Trim To 6" Wide, 1 Coat Primer, Brush Work.....	0.67	
For Oil Based Paint, Add	0.04	
09 91 23 00-0335 LF Paint Interior Wood Trim To 6" Wide, 1 Coat Paint, Brush Work.....	0.75	
For Oil Based Paint, Add	0.04	
09 91 23 00-0336 LF Paint Interior Wood Trim To 6" Wide, 2 Coats Paint.....	1.58	
For Oil Based Paint, Add	0.08	
09 91 23 00-0337 SF Paint Interior Wood Trim, 1 Coat Primer, Brush Work.....	2.06	
For Oil Based Paint, Add	0.11	



Finishes	09	
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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0338 SF Paint Interior Wood Trim, 1 Coat Paint, Brush Work.....	2.29	
<i>For Oil Based Paint, Add</i>	0.13	
09 91 23 00-0339 SF Paint Interior Wood Trim, 2 Coats Paint, Brush Work.....	4.90	
<i>For Oil Based Paint, Add</i>	0.27	
09 91 23 00-0340 SF Paint Interior Wood Trim, 1 Coat Primer, Brush/Roller Work.....	2.06	
<i>For Oil Based Paint, Add</i>	0.11	
09 91 23 00-0341 SF Paint Interior Wood Trim, 1 Coat Paint, Brush/Roller Work	2.29	
<i>For Oil Based Paint, Add</i>	0.13	
09 91 23 00-0342 SF Paint Interior Wood Trim, 2 Coats Paint, Brush/Roller Work.....	4.90	
<i>For Oil Based Paint, Add</i>	0.27	
09 91 23 00-0343 Paint Additives (09 91 23)		
09 91 23 00-0344 SF Mildewcide/Mold Killing Paint Additive Per Each Coat.....	0.02	
09 91 23 00-0345 SF Class "B" Fire Rating, Fire Resistant Paint Additive	0.04	
<i>For Class "A" Fire Rating, Add</i>	0.04	
09 91 23 00-0346 Hand Painting Letters/Numbers (09 91 23)		
Note: Painting on walls, floors, poles, signs, etc.		
09 91 23 00-0347 EA Up To 1" High, Hand Paint, Per Letter/Number	2.10	
09 91 23 00-0348 EA 1" To 2" High, Hand Paint, Per Letter/Number.....	2.45	
09 91 23 00-0349 EA 2" To 3" High, Hand Paint, Per Letter/Number.....	3.73	
09 91 23 00-0350 EA 3" To 4" High, Hand Paint, Per Letter/Number.....	4.57	
09 91 23 00-0351 EA 4" To 6" High, Hand Paint, Per Letter/Number.....	6.31	
09 91 23 00-0352 EA 6" To 12" High, Hand Paint, Per Letter/Number.....	7.99	
09 91 23 00-0353 EA Over 12" High, Hand Paint, Per Letter/Number	9.38	
09 91 23 00-0354 Glove/Mitt Application (09 91 23)		
09 91 23 00-0355 Conduit/Pipe (09 91 23 00-0354)		
09 91 23 00-0356 CSF Acid Wash (Muriatic Acid) Conduit Or Pipe With Glove/Mitt	39.89	
09 91 23 00-0357 CSF Metal Primer Conduit Or Pipe With Glove/Mitt.....	61.76	
09 91 23 00-0358 CSF Enamel, Oil Base Paint, First Coat Conduit Or Pipe With Glove/Mitt.....	48.02	
09 91 23 00-0359 CSF Enamel, Oil Base Paint, Second Coat Conduit Or Pipe With Glove/Mitt.....	38.77	
09 91 23 00-0360 CSF Epoxy Coating, First Coat Conduit Or Pipe With Glove/Mitt	71.07	
09 91 23 00-0361 CSF Epoxy Coating, Second Coat Conduit Or Pipe With Glove/Mitt.....	65.14	
09 91 23 00-0362 Ductwork (09 91 23 00-0354)		
09 91 23 00-0363 CSF Acid Wash (Muriatic Acid) Ductwork With Glove/Mitt.....	39.89	
09 91 23 00-0364 CSF Metal Primer Ductwork With Glove/Mitt	51.05	
09 91 23 00-0365 CSF Enamel, Oil Base Paint Ductwork With Glove/Mitt.....	43.65	
09 91 23 00-0366 CSF Epoxy Coating, First Coat Ductwork With Glove/Mitt.....	68.68	
09 91 23 00-0367 CSF Epoxy Coating, Second Coat Ductwork With Glove/Mitt.....	59.19	
09 91 23 00-0368 Stencil Painting Letters/Numbers (09 91 23)		
Note: Painting on walls, floors, poles, etc. Includes stencil cutout and paint.		
09 91 23 00-0369 EA Up To 1" High, Stencil Painting, Per Letter/Number	1.71	
<i>For >200 To 500, Deduct</i>	-0.14	
<i>For >500 To 1,000, Deduct</i>	-0.21	
<i>For >1,000 To 2,000, Deduct</i>	-0.27	
<i>For >2,000, Deduct</i>	-0.34	
09 91 23 00-0370 EA 1" To 2" High, Stencil Painting, Per Letter/Number.....	1.99	
<i>For >200 To 500, Deduct</i>	-0.16	
<i>For >500 To 1,000, Deduct</i>	-0.25	
<i>For >1,000 To 2,000, Deduct</i>	-0.32	
<i>For >2,000, Deduct</i>	-0.40	
09 91 23 00-0371 EA 2" To 3" High, Stencil Painting, Per Letter/Number.....	3.37	
<i>For >200 To 500, Deduct</i>	-0.27	
<i>For >500 To 1,000, Deduct</i>	-0.42	
<i>For >1,000 To 2,000, Deduct</i>	-0.54	
<i>For >2,000, Deduct</i>	-0.67	
09 91 23 00-0372 EA 3" To 4" High, Stencil Painting, Per Letter/Number.....	4.13	
<i>For >200 To 500, Deduct</i>	-0.33	
<i>For >500 To 1,000, Deduct</i>	-0.52	
<i>For >1,000 To 2,000, Deduct</i>	-0.66	
<i>For >2,000, Deduct</i>	-0.83	
09 91 23 00-0373 EA 4" To 6" High, Stencil Painting, Per Letter/Number.....	5.68	
<i>For >200 To 500, Deduct</i>	-0.45	
<i>For >500 To 1,000, Deduct</i>	-0.71	
<i>For >1,000 To 2,000, Deduct</i>	-0.91	
<i>For >2,000, Deduct</i>	-1.14	
09 91 23 00-0374 EA 6" To 12" High, Stencil Painting, Per Letter/Number.....	7.56	
<i>For >200 To 500, Deduct</i>	-0.60	
<i>For >500 To 1,000, Deduct</i>	-0.95	
<i>For >1,000 To 2,000, Deduct</i>	-1.21	
<i>For >2,000, Deduct</i>	-1.51	

09 Finishes

09 90 Painting And Coating

09 91 Painting



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0375	EA		Over 12" High, Stencil Painting, Per Letter/Number	8.93	
			<i>For >200 To 500, Deduct</i>	-0.71	
			<i>For >500 To 1,000, Deduct</i>	-1.12	
			<i>For >1,000 To 2,000, Deduct</i>	-1.43	
			<i>For >2,000, Deduct</i>	-1.79	
09 91 23 00-0376			Paint Interior Miscellaneous Metal Surfaces (09 91 23)		
09 91 23 00-0377	SF		Paint Interior Miscellaneous Metal Surfaces, 1 Coat Primer, Brush/Roller Work	0.66	
			<i>For Electrostatic Painting, Add</i>	0.08	
			<i>For Up To 100, Add</i>	0.44	
			<i>For >100 To 250, Add</i>	0.21	
			<i>For >250 To 500, Add</i>	0.09	
			<i>For >2,500 To 5,000, Deduct</i>	-0.03	
			<i>For >5,000 To 10,000, Deduct</i>	-0.07	
			<i>For >10,000 To 20,000, Deduct</i>	-0.10	
			<i>For >20,000, Deduct</i>	-0.13	
09 91 23 00-0378	SF		Paint Interior Miscellaneous Metal Surfaces, 1 Coat Alkyd Enamel, Brush/Roller Work.....	0.90	
			<i>For Electrostatic Painting, Add</i>	0.11	
			<i>For Up To 100, Add</i>	0.62	
			<i>For >100 To 250, Add</i>	0.29	
			<i>For >250 To 500, Add</i>	0.13	
			<i>For >2,500 To 5,000, Deduct</i>	-0.05	
			<i>For >5,000 To 10,000, Deduct</i>	-0.09	
			<i>For >10,000 To 20,000, Deduct</i>	-0.14	
			<i>For >20,000, Deduct</i>	-0.18	
09 91 23 00-0379	SF		Paint Interior Miscellaneous Metal Surfaces, 2 Coats Alkyd Enamel, Brush/Roller Work	1.39	
			<i>For Electrostatic Painting, Add</i>	0.16	
			<i>For Up To 100, Add</i>	0.95	
			<i>For >100 To 250, Add</i>	0.45	
			<i>For >250 To 500, Add</i>	0.19	
			<i>For >2,500 To 5,000, Deduct</i>	-0.07	
			<i>For >5,000 To 10,000, Deduct</i>	-0.14	
			<i>For >10,000 To 20,000, Deduct</i>	-0.21	
			<i>For >20,000, Deduct</i>	-0.28	
09 91 23 00-0380	SF		Paint Interior Miscellaneous Metal Surfaces, 1 Coat Primer, Sprayed.....	0.76	
			<i>For Electrostatic Painting, Add</i>	0.09	
			<i>For Up To 100, Add</i>	0.50	
			<i>For >100 To 250, Add</i>	0.24	
			<i>For >250 To 500, Add</i>	0.10	
			<i>For >2,500 To 5,000, Deduct</i>	-0.04	
			<i>For >5,000 To 10,000, Deduct</i>	-0.08	
			<i>For >10,000 To 20,000, Deduct</i>	-0.11	
			<i>For >20,000, Deduct</i>	-0.15	
09 91 23 00-0381	SF		Paint Interior Miscellaneous Metal Surfaces, 1 Coat Alkyd, Sprayed.....	0.76	
			<i>For Electrostatic Painting, Add</i>	0.09	
			<i>For Up To 100, Add</i>	0.50	
			<i>For >100 To 250, Add</i>	0.24	
			<i>For >250 To 500, Add</i>	0.10	
			<i>For >2,500 To 5,000, Deduct</i>	-0.04	
			<i>For >5,000 To 10,000, Deduct</i>	-0.08	
			<i>For >10,000 To 20,000, Deduct</i>	-0.11	
			<i>For >20,000, Deduct</i>	-0.15	
09 91 23 00-0382	SF		Paint Interior Miscellaneous Metal Surfaces, 2 Coats Alkyd, Sprayed.....	1.18	
			<i>For Electrostatic Painting, Add</i>	0.14	
			<i>For Up To 100, Add</i>	0.78	
			<i>For >100 To 250, Add</i>	0.37	
			<i>For >250 To 500, Add</i>	0.16	
			<i>For >2,500 To 5,000, Deduct</i>	-0.06	
			<i>For >5,000 To 10,000, Deduct</i>	-0.12	
			<i>For >10,000 To 20,000, Deduct</i>	-0.18	
			<i>For >20,000, Deduct</i>	-0.24	
09 91 33			Painting Materials (09 91)		
			Note: Paint per gallon for owners to obtain extra paint. Not to be used in conjunction with other painting tasks.		
09 91 33 00-0001			Primer (09 91 33)		
09 91 33 00-0002	GAL		Alkyd Primer/Sealer, Interior, 500 SF Per Gallon.....	25.10	
09 91 33 00-0003	GAL		Alkyd Wood Primer, Exterior, 400 SF Per Gallon	24.61	
09 91 33 00-0004	GAL		Prime Coat Oil Wood Primer, 310 SF Per Gallon	31.21	
09 91 33 00-0005	GAL		Catalyzed Epoxy Primer, Two Component Type, 425 SF Per Gallon.....	57.43	
09 91 33 00-0006	EA		Cement Base Primer, 25 LB Sack	25.74	
09 91 33 00-0007	GAL		Alkali Resistant Concrete And Masonry Primer, Exterior, 225 SF Per Gallon.....	39.68	
09 91 33 00-0008	GAL		Alkali Resistant Concrete And Masonry Primer, Interior, 225 SF Per Gallon.....	31.85	
09 91 33 00-0009	GAL		Acrylic Latex Primer, Flat Exterior, Fast Drying Wood Undercoat And Back Primer, 400 SF Per Gallon	24.61	
09 91 33 00-0010	GAL		Acrylic (Vinyl Acrylic) Block Filler, 50 SF Per Gallon.....	22.36	
09 91 33 00-0011	GAL		Acrylic (Vinyl Acrylic) Rust Inhibiting Metal, Primer - 500 SF Per Gallon: Paint - 260 SF Per Gallon	39.42	
09 91 33 00-0012	GAL		Acrylic Heavy Duty Wall Primer/Sealer, Low Odor Type, Alkali-Resistant, 800 SF Per Gallon.....	32.82	
09 91 33 00-0013	GAL		Acrylic (Vinyl Acrylic) Undercoat, All Purpose, Interior/Exterior, 500 SF Per Gallon	32.82	
09 91 33 00-0014	GAL		Latex Wood Primer, Exterior, 300 SF Per Gallon	37.00	
09 91 33 00-0015	GAL		Linseed (Oil Base) Primer, Exterior/Interior, 300 SF Per Gallon.....	24.13	
09 91 33 00-0016	GAL		Red Alkyd Primer, 500 SF Per Gallon.....	42.95	
09 91 33 00-0017	GAL		Wood Sealer/Primer, Interior, Clear, 600 SF Per Gallon.....	25.74	
09 91 33 00-0018	GAL		Zinc Chromate Primer, 300 SF Per Gallon	20.59	



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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 33 00-0019 GAL Zinc Dust/Zinc Oxide Primer, 300 SF Per Gallon.....	53.25	
09 91 33 00-0020 GAL Stain Killer, Alcohol Base.....	33.21	
09 91 33 00-0021 GAL Sealer, Primer Kilz, 400 SF Per Gallon.....	37.47	
09 91 33 00-0022 Paint <small>(09 91 33)</small>		
09 91 33 00-0023 GAL Aluminum Fiber Roof Coat On Composition Roof, 50 SF Per Gallon.....	18.02	
09 91 33 00-0024 GAL Acrylic Urethane Sealer	89.34	
09 91 33 00-0025 GAL Asphalt-Fiber Roof And Foundation Coating, Solvent Type	9.65	
Note: 75 SF per gallon on roof or concrete, 100 SF per gallon on metal.		
09 91 33 00-0026 GAL Concrete Enamel Epoxy, 350 SF Per Gallon.....	55.82	
09 91 33 00-0027 GAL Concrete Acrylic Sealer, 400 SF Per Gallon.....	29.28	
09 91 33 00-0028 GAL Driveway Coating, Tar Emulsion, 120 SF Per Gallon	9.65	
09 91 33 00-0029 GAL Driveway Coating, Acrylic Latex, 250 SF Per Gallon.....	14.64	
09 91 33 00-0030 GAL Exterior, Oil Base, Gloss Enamel, 400 SF Per Gallon.....	29.60	
09 91 33 00-0031 GAL Exterior, Oil Base, Gloss, 400 SF Per Gallon	39.42	
09 91 33 00-0032 GAL Exterior, Oil Base, Semi-Gloss, 400 SF Per Gallon	32.18	
09 91 33 00-0033 GAL Exterior, Oil Base, Flat.....	29.49	
09 91 33 00-0034 GAL Exterior, Latex, Semi-Gloss, 400 SF Per Gallon.....	27.99	
09 91 33 00-0035 GAL Exterior, Flat Latex, Trim Paint, 500 SF Per Gallon.....	32.98	
09 91 33 00-0036 GAL Exterior, Latex Flat Paint, 300 SF Per Gallon	29.28	
09 91 33 00-0037 GAL Exterior, Latex Gloss Enamel, Water Base.....	41.68	
09 91 33 00-0038 GAL Cold Galvanizing Paint	176.56	
09 91 33 00-0039 GAL High Heat Paint.....	60.81	
09 91 33 00-0040 GAL Heat Resistant Paint.....	40.54	
09 91 33 00-0041 GAL Zinc Chromate Paint.....	36.68	
09 91 33 00-0042 QT Anti-Rust Enamel, 500 SF Per Quart.....	14.48	
09 91 33 00-0043 GAL Rust Inhibitor, Ferrous Metal.....	40.54	
09 91 33 00-0044 GAL Masonry Waterproofing, 100 SF Per Gallon	29.28	
09 91 33 00-0045 GAL Alkyd Latex, Black	27.35	
09 91 33 00-0046 GAL Alkyd Latex, White	27.35	
09 91 33 00-0047 GAL Alkyd Latex, Colors.....	32.98	
09 91 33 00-0048 QT Wrought Iron Paint, Black.....	37.00	
09 91 33 00-0049 GAL Vinyl Paint.....	49.23	
09 91 33 00-0050 GAL Silicone Alkyd	59.85	
09 91 33 00-0051 GAL 2 Component Solvent Based Acrylic Epoxy.....	60.81	
09 91 33 00-0052 GAL 2 Component Solvent Based Polyester Epoxy	76.26	
09 91 33 00-0053 GAL Chlorinated Rubber.....	55.99	
09 91 33 00-0054 GAL Polyamide Epoxy Sealer.....	57.92	
09 91 33 00-0055 GAL Coal Tar Epoxy	41.51	
09 91 33 00-0056 GAL Swimming Pool Enamel, 350 SF Per Gallon.....	51.80	
09 91 33 00-0057 GAL Swimming Pool Epoxy Or Urethane Base	67.57	
09 91 33 00-0058 GAL Swimming Pool Rubber Base	46.33	
09 91 33 00-0059 GAL Interior, Latex Flat Paint, 300 SF Per Gallon	29.44	
09 91 33 00-0060 GAL Interior, Latex Eggshell Or Semi-Gloss Enamel, 300 SF Per Gallon	32.98	
09 91 33 00-0061 GAL Interior, Fire-Retardant Flat Paint, 200 SF Per Gallon	60.33	
09 91 33 00-0062 GAL Interior, Ceiling White Latex Flat, 350 SF Per Gallon	20.43	
09 91 33 00-0063 GAL Linseed Oil.....	17.86	
09 91 33 00-0064 GAL Latex Floor Paint, 300 SF Per Gallon	29.28	
09 91 33 00-0065 GAL Acrylic Floor Paint, 400 SF Per Gallon	32.98	
09 91 33 00-0066 GAL Texture Paint, Sand Texture Latex, Armor Coat, 100 SF Per Gallon.....	30.16	
09 91 33 00-0067 GAL Acoustic Spray-On Texture, Finish	24.24	
09 91 33 00-0068 Stain, Varnish <small>(09 91 33)</small>		
09 91 33 00-0069 GAL Thompson Water Sealer, 150 SF Per Gallon.....	16.73	
09 91 33 00-0070 GAL Latex Redwood Stain, Water Base, 300 SF Per Gallon.....	31.21	
09 91 33 00-0071 GAL Redwood Oil Stain, 300 SF Per Gallon.....	27.83	
09 91 33 00-0072 GAL Varnish, Clear	19.44	
09 91 33 00-0073 GAL Penetrating Water-Repellent Stain	14.12	
09 91 33 00-0074 GAL Redwood Hue Or Clear Stain	12.62	
09 91 33 00-0075 GAL Polyurethane.....	22.15	
09 91 33 00-0076 GAL Lacquer, Semi-Gloss	29.37	
09 91 33 00-0077 GAL Shellac, Clear	38.52	
09 91 33 00-0078 GAL Acetone.....	12.71	
09 91 33 00-0079 GAL Paint Thinner	3.14	
09 91 33 00-0080 GAL Shellac Or Lacquer Thinner	12.87	
09 91 33 00-0081 GAL Turpentine.....	17.70	
09 91 33 00-0082 GAL Wood Filler Paste	30.24	
09 91 33 00-0083 GAL Wood Preservative, Pentachlorophenol, General Purpose, 40%, 150 SF Per Gallon	24.13	
09 91 43 Surface Preparation <small>(09 91)</small>		
Note: Steel Structure Painting Council, SSPC; Surface Preparation, SP.		
09 91 43 00-0001 Cleaning And Preparation Of Painted And Unpainted Surfaces <small>(09 91 43)</small>		
Note: In excess of surface preparation required. Water blast and pressure washing includes mild detergent and rinsing of surface until detergent free. Sand blast and water blast includes canvas/plastic for protection of existing surfaces as well as for containment.		
09 91 43 00-0002 Concrete And Masonry Surfaces, Surface Preparation <small>(09 91 43 00-0001)</small>		

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MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 43 00-0003	SF		Calcimine Removal/Washing, Concrete And Masonry Surfaces, Surface Preparation.....	0.39	
			For Up To 100, Add	0.68	
			For >100 To 250, Add	0.17	
			For >250 To 500, Add	0.09	
			For >5,000 To 10,000, Deduct	-0.02	
			For >10,000 To 15,000, Deduct	-0.04	
			For >15,000 To 30,000, Deduct	-0.06	
			For >30,000, Deduct	-0.08	
09 91 43 00-0004	SF		Chemical Clean, Brush And Wash, Concrete And Masonry Surfaces, Surface Preparation	0.62	
			For Up To 100, Add	1.06	
			For >100 To 250, Add	0.27	
			For >250 To 500, Add	0.13	
			For >5,000 To 10,000, Deduct	-0.03	
			For >10,000 To 15,000, Deduct	-0.06	
			For >15,000 To 30,000, Deduct	-0.09	
			For >30,000, Deduct	-0.12	
09 91 43 00-0005	SF		Hand Scrape, Concrete And Masonry Surfaces, Surface Preparation.....	0.65	
			For Up To 100, Add	1.30	
			For >100 To 250, Add	0.33	
			For >250 To 500, Add	0.16	
			For >5,000 To 10,000, Deduct	-0.03	
			For >10,000 To 15,000, Deduct	-0.07	
			For >15,000 To 30,000, Deduct	-0.10	
			For >30,000, Deduct	-0.13	
09 91 43 00-0006	SF		Steam Clean, Concrete And Masonry Surfaces, Surface Preparation.....	0.63	
			For Up To 100, Add	1.10	
			For >100 To 250, Add	0.28	
			For >250 To 500, Add	0.14	
			For >5,000 To 10,000, Deduct	-0.03	
			For >10,000 To 15,000, Deduct	-0.06	
			For >15,000 To 30,000, Deduct	-0.09	
			For >30,000, Deduct	-0.12	
09 91 43 00-0007	SF		Up To 5,000 PSI Pressure Wash, Concrete And Masonry Surfaces, Surface Preparation.....	0.40	
			For Up To 100, Add	0.66	
			For >100 To 250, Add	0.17	
			For >250 To 500, Add	0.08	
			For >5,000 To 10,000, Deduct	-0.02	
			For >10,000 To 15,000, Deduct	-0.04	
			For >15,000 To 30,000, Deduct	-0.06	
			For >30,000, Deduct	-0.08	
09 91 43 00-0008	SF		10,000 To 12,000 PSI Water Blast, Concrete And Masonry Surfaces, Surface Preparation	1.15	
			For Up To 100, Add	2.10	
			For >100 To 250, Add	0.53	
			For >250 To 500, Add	0.26	
			For >5,000 To 10,000, Deduct	-0.06	
			For >10,000 To 15,000, Deduct	-0.11	
			For >15,000 To 30,000, Deduct	-0.17	
			For >30,000, Deduct	-0.23	
09 91 43 00-0009	SF		30,000 To 40,000 PSI Water Blast, Concrete And Masonry Surfaces, Surface Preparation	1.94	
			For Up To 100, Add	3.68	
			For >100 To 250, Add	0.92	
			For >250 To 500, Add	0.46	
			For >5,000 To 10,000, Deduct	-0.10	
			For >10,000 To 15,000, Deduct	-0.19	
			For >15,000 To 30,000, Deduct	-0.29	
			For >30,000, Deduct	-0.38	
09 91 43 00-0010	SF		Sand Blasting, Concrete And Masonry Surfaces, Surface Preparation	2.42	
			For Heavy Condition Where Multiple Pass Is Required, Add	1.21	
			For Up To 100, Add	4.38	
			For >100 To 250, Add	1.10	
			For >250 To 500, Add	0.55	
			For >5,000 To 10,000, Deduct	-0.12	
			For >10,000 To 15,000, Deduct	-0.23	
			For >15,000 To 30,000, Deduct	-0.36	
			For >30,000, Deduct	-0.47	
09 91 43 00-0011			Drywall <small>(09 91 43 00-0001)</small>		
			Note: Patch holes other than nail/screw holes and greater than 1/2" diameter.		
09 91 43 00-0012	SF		Hand Wash Drywall Surfaces With Mild Detergent Or Degreaser (No Sanding, Repairing Or Scraping).....	0.31	
			For Up To 100, Add	0.62	
			For >100 To 250, Add	0.16	
			For >250 To 500, Add	0.08	
09 91 43 00-0013	SF		Hand Wash, Minor Repair And Light Sanding Drywall Surfaces.....	0.54	
			For Up To 100, Add	1.08	
			For >100 To 250, Add	0.27	
			For >250 To 500, Add	0.14	
09 91 43 00-0014	SF		Scrape, Repair And Sand Severely Damaged Drywall Surfaces.....	1.02	
			For Up To 100, Add	1.90	
			For >100 To 250, Add	0.48	
			For >250 To 500, Add	0.24	
09 91 43 00-0015			Metal Surfaces, Surface Preparation <small>(09 91 43 00-0001)</small>		



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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 43 00-0016 SF Chemical Clean, Brush And Wash, Metal Surfaces, Surface Preparation	0.62	
For Up To 100, Add	0.40	
For >100 To 250, Add	0.19	
For >250 To 500, Add	0.08	
For >5,000 To 10,000, Deduct	-0.03	
For >10,000 To 15,000, Deduct	-0.06	
For >15,000 To 30,000, Deduct	-0.09	
For >30,000, Deduct	-0.12	
09 91 43 00-0017 SF Hand Scraping And Sanding, Metal Surfaces, Surface Preparation	0.65	
For Up To 100, Add	0.49	
For >100 To 250, Add	0.23	
For >250 To 500, Add	0.10	
For >5,000 To 10,000, Deduct	-0.03	
For >10,000 To 15,000, Deduct	-0.07	
For >15,000 To 30,000, Deduct	-0.10	
For >30,000, Deduct	-0.13	
09 91 43 00-0018 SF Up To 5,000 PSI Pressure Wash, Metal Surfaces, Surface Preparation	0.38	
For Up To 100, Add	0.25	
For >100 To 250, Add	0.12	
For >250 To 500, Add	0.05	
For >5,000 To 10,000, Deduct	-0.02	
For >10,000 To 15,000, Deduct	-0.04	
For >15,000 To 30,000, Deduct	-0.06	
For >30,000, Deduct	-0.07	
09 91 43 00-0019 SF Power Tool Cleaning, Metal Surfaces, Surface Preparation	1.10	
For Up To 100, Add	0.83	
For >100 To 250, Add	0.39	
For >250 To 500, Add	0.17	
For >5,000 To 10,000, Deduct	-0.06	
For >10,000 To 15,000, Deduct	-0.11	
For >15,000 To 30,000, Deduct	-0.17	
For >30,000, Deduct	-0.22	
09 91 43 00-0020 SF Steam Cleaning, Metal Surfaces, Surface Preparation	0.39	
For Up To 100, Add	0.23	
For >100 To 250, Add	0.11	
For >250 To 500, Add	0.05	
For >5,000 To 10,000, Deduct	-0.02	
For >10,000 To 15,000, Deduct	-0.04	
For >15,000 To 30,000, Deduct	-0.06	
For >30,000, Deduct	-0.07	
09 91 43 00-0021 SF Loose Mill Scale With Fine Powder, Commercial Blast, Metal Surfaces, Surface Preparation	0.81	
For Up To 100, Add	0.53	
For >100 To 250, Add	0.25	
For >250 To 500, Add	0.11	
For >5,000 To 10,000, Deduct	-0.04	
For >10,000 To 15,000, Deduct	-0.08	
For >15,000 To 30,000, Deduct	-0.12	
For >30,000, Deduct	-0.16	
09 91 43 00-0022 SF Tight Mill Scale With Fine Powder Rust, Commercial Blast, Metal Surfaces, Surface Preparation	1.10	
For Up To 100, Add	0.71	
For >100 To 250, Add	0.33	
For >250 To 500, Add	0.14	
For >5,000 To 10,000, Deduct	-0.05	
For >10,000 To 15,000, Deduct	-0.10	
For >15,000 To 30,000, Deduct	-0.16	
For >30,000, Deduct	-0.21	
09 91 43 00-0023 SF Exterior Coating Blistered Pitted, Rust, Commercial Blast, Metal Surfaces, Surface Preparation	1.63	
For Up To 100, Add	1.07	
For >100 To 250, Add	0.50	
For >250 To 500, Add	0.21	
For >5,000 To 10,000, Deduct	-0.08	
For >10,000 To 15,000, Deduct	-0.15	
For >15,000 To 30,000, Deduct	-0.24	
For >30,000, Deduct	-0.32	
09 91 43 00-0024 SF Badly Pitted With Rust Nodules, Commercial Blast, Metal Surfaces, Surface Preparation	2.72	
For Up To 100, Add	1.78	
For >100 To 250, Add	0.83	
For >250 To 500, Add	0.36	
For >5,000 To 10,000, Deduct	-0.13	
For >10,000 To 15,000, Deduct	-0.26	
For >15,000 To 30,000, Deduct	-0.40	
For >30,000, Deduct	-0.53	
09 91 43 00-0025 SF Loose Mill Scale With Fine Powder Rust, Near White Blast, Metal Surfaces, Surface Preparation	2.06	
For Up To 100, Add	1.34	
For >100 To 250, Add	0.62	
For >250 To 500, Add	0.27	
For >5,000 To 10,000, Deduct	-0.10	
For >10,000 To 15,000, Deduct	-0.19	
For >15,000 To 30,000, Deduct	-0.30	
For >30,000, Deduct	-0.40	

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MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 43 00-0026	SF		Tight Mill Scale Little Rust, Near White Blast, Metal Surfaces, Surface Preparation	2.55	
			For Up To 100, Add	1.64	
			For >100 To 250, Add	0.77	
			For >250 To 500, Add	0.33	
			For >5,000 To 10,000, Deduct	-0.12	
			For >10,000 To 15,000, Deduct	-0.24	
			For >15,000 To 30,000, Deduct	-0.37	
			For >30,000, Deduct	-0.49	
09 91 43 00-0027	SF		Exterior Coat Blistered Pitted Rust, Near White Blast, Metal Surfaces, Surface Preparation	3.31	
			For Up To 100, Add	2.14	
			For >100 To 250, Add	1.00	
			For >250 To 500, Add	0.43	
			For >5,000 To 10,000, Deduct	-0.16	
			For >10,000 To 15,000, Deduct	-0.31	
			For >15,000 To 30,000, Deduct	-0.48	
			For >30,000, Deduct	-0.64	
09 91 43 00-0028	SF		Badly Pitted Rust Nodules, Near White Blast, Metal Surfaces, Surface Preparation	4.14	
			For Up To 100, Add	2.67	
			For >100 To 250, Add	1.25	
			For >250 To 500, Add	0.53	
			For >5,000 To 10,000, Deduct	-0.20	
			For >10,000 To 15,000, Deduct	-0.39	
			For >15,000 To 30,000, Deduct	-0.60	
			For >30,000, Deduct	-0.80	
09 91 43 00-0029			Tile Surfaces (09 91 43 00-0001)		
09 91 43 00-0030	SF		Alkaline Cleaner, Brush And Wash Tile Surface	0.35	
			For Up To 100, Add	0.26	
			For >100 To 250, Add	0.12	
			For >250 To 500, Add	0.05	
			For >5,000 To 10,000, Deduct	-0.02	
			For >10,000 To 15,000, Deduct	-0.04	
			For >15,000 To 30,000, Deduct	-0.05	
			For >30,000, Deduct	-0.07	
09 91 43 00-0031	SF		Up To 5,000 PSI, Pressure Wash Tile Surface	0.28	
			For Up To 100, Add	0.19	
			For >100 To 250, Add	0.09	
			For >250 To 500, Add	0.04	
			For >5,000 To 10,000, Deduct	-0.01	
			For >10,000 To 15,000, Deduct	-0.03	
			For >15,000 To 30,000, Deduct	-0.04	
			For >30,000, Deduct	-0.05	
09 91 43 00-0032			Wood Surfaces (09 91 43 00-0001)		
09 91 43 00-0033	SF		Prepare New Wood Floor For Finish, Multi Grit Sanding/Screening	1.17	
			For Up To 100, Add	0.85	
			For >100 To 250, Add	0.40	
			For >250 To 500, Add	0.17	
			For >4,000, Deduct	-0.06	
			For Up To 100, Add	0.85	
			For >100 To 250, Add	0.40	
			For >250 To 500, Add	0.17	
			For >5,000 To 10,000, Deduct	-0.06	
			For >10,000 To 15,000, Deduct	-0.12	
			For >15,000 To 30,000, Deduct	-0.17	
			For >30,000, Deduct	-0.23	
09 91 43 00-0034	SF		Chemical Clean, Brush And Wash Wood Surface	0.50	
			For Up To 100, Add	0.31	
			For >100 To 250, Add	0.14	
			For >250 To 500, Add	0.06	
			For >5,000 To 10,000, Deduct	-0.02	
			For >10,000 To 15,000, Deduct	-0.05	
			For >15,000 To 30,000, Deduct	-0.07	
			For >30,000, Deduct	-0.10	
09 91 43 00-0035	SF		Hand Scrape Wood Surface	0.69	
			For Up To 100, Add	0.52	
			For >100 To 250, Add	0.24	
			For >250 To 500, Add	0.10	
			For >5,000 To 10,000, Deduct	-0.03	
			For >10,000 To 15,000, Deduct	-0.07	
			For >15,000 To 30,000, Deduct	-0.10	
			For >30,000, Deduct	-0.14	
09 91 43 00-0036	SF		Steam Clean Wood Surface	0.62	
			For Up To 100, Add	0.41	
			For >100 To 250, Add	0.19	
			For >250 To 500, Add	0.08	
			For >5,000 To 10,000, Deduct	-0.03	
			For >10,000 To 15,000, Deduct	-0.06	
			For >15,000 To 30,000, Deduct	-0.09	
			For >30,000, Deduct	-0.12	



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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 43 00-0037 SF Up To 5,000 PSI, Pressure Wash Wood Surface	0.42	
For Up To 100, Add	0.28	
For >100 To 250, Add	0.13	
For >250 To 500, Add	0.06	
For >5,000 To 10,000, Deduct	-0.02	
For >10,000 To 15,000, Deduct	-0.04	
For >15,000 To 30,000, Deduct	-0.06	
For >30,000, Deduct	-0.08	
09 91 43 00-0038 SF Sanding Wood Paneling, Boards, Doors, Etcetera	0.73	
For Up To 100, Add	0.52	
For >100 To 250, Add	0.24	
For >250 To 500, Add	0.10	
For >5,000 To 10,000, Deduct	-0.04	
For >10,000 To 15,000, Deduct	-0.07	
For >15,000 To 30,000, Deduct	-0.11	
For >30,000, Deduct	-0.14	
09 91 43 00-0039 SF Sanding Wood Trim	0.99	
For Up To 100, Add	0.71	
For >100 To 250, Add	0.33	
For >250 To 500, Add	0.14	
For >5,000 To 10,000, Deduct	-0.05	
For >10,000 To 15,000, Deduct	-0.10	
For >15,000 To 30,000, Deduct	-0.15	
For >30,000, Deduct	-0.20	
09 91 43 00-0040 SF Prime Wood Surfaces With Linseed Oil, 1 Coat	0.64	
For Up To 100, Add	0.43	
For >100 To 250, Add	0.20	
For >250 To 500, Add	0.09	
For >5,000 To 10,000, Deduct	-0.03	
For >10,000 To 15,000, Deduct	-0.06	
For >15,000 To 30,000, Deduct	-0.09	
For >30,000, Deduct	-0.12	
09 91 43 00-0041 SF Paint Wood Surfaces With Linseed Oil, 1 Coat	0.74	
For Up To 100, Add	0.50	
For >100 To 250, Add	0.23	
For >250 To 500, Add	0.10	
For >5,000 To 10,000, Deduct	-0.04	
For >10,000 To 15,000, Deduct	-0.07	
For >15,000 To 30,000, Deduct	-0.11	
For >30,000, Deduct	-0.14	
09 91 43 00-0042 Vinyl Siding Surfaces (09 91 43 00-0001)		
09 91 43 00-0043 SF Hand Wash, Vinyl Siding Surfaces	0.56	
For Up To 100, Add	0.41	
For >100 To 250, Add	0.19	
For >250 To 500, Add	0.08	
For >5,000 To 10,000, Deduct	-0.03	
For >10,000 To 15,000, Deduct	-0.06	
For >15,000 To 30,000, Deduct	-0.08	
For >30,000, Deduct	-0.11	
09 91 43 00-0044 SF Up To 5,000 PSI Pressure Wash, Vinyl Siding Surfaces	0.35	
For Up To 100, Add	0.22	
For >100 To 250, Add	0.10	
For >250 To 500, Add	0.04	
For >5,000 To 10,000, Deduct	-0.02	
For >10,000 To 15,000, Deduct	-0.03	
For >15,000 To 30,000, Deduct	-0.05	
For >30,000, Deduct	-0.07	
09 91 43 00-0045 SF Steam Clean, Vinyl Siding Surfaces	0.64	
For Up To 100, Add	0.41	
For >100 To 250, Add	0.19	
For >250 To 500, Add	0.08	
For >5,000 To 10,000, Deduct	-0.03	
For >10,000 To 15,000, Deduct	-0.06	
For >15,000 To 30,000, Deduct	-0.09	
For >30,000, Deduct	-0.12	
09 91 43 00-0046 Prep Work (09 91 43 00-0001)		
09 91 43 00-0047 SF Citrus Strip, Single Applications	0.92	
09 91 43 00-0048 Plaster/Stucco (09 91 43 00-0001)		
Note: Based on total project quantity.		
09 91 43 00-0049 SF Up To 5,000 PSI Pressure Wash Stucco Surfaces	0.45	
For Up To 100, Add	0.29	
For >100 To 250, Add	0.13	
For >250 To 500, Add	0.06	
For >5,000 To 10,000, Deduct	-0.02	
For >10,000 To 15,000, Deduct	-0.04	
For >15,000 To 30,000, Deduct	-0.07	
For >30,000, Deduct	-0.09	

09 Finishes**09 90 Painting And Coating****09 91 Painting**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 43 00-0050 Paint Removal, Strip To Bare Wood <small>(09 91 43 00-0001)</small>		
09 91 43 00-0051 SF Flat Surfaces, Paint Removal, Strip To Bare Wood.....	6.53	
09 91 43 00-0052 SF Cornices And Decorative Trim To 12" Wide, Paint Removal, Strip To Bare Wood.....	6.97	
09 91 43 00-0053 "Spot" Painting Of Surfaces <small>(09 91 43 00-0001)</small>		
Note: For use on individual areas less than 10 SF.		
09 91 43 00-0054 SF "Spot" Paint Surfaces, Per Coat.....	1.20	
09 91 43 00-0055 Corrosive Inhibitor Sealant For Concrete <small>(09 91 43 00-0001)</small>		
09 91 43 00-0056 SF Corrosive Inhibitor Sealant For Concrete.....	0.55	
For Up To 100, Add	0.30	
For >100 To 250, Add	0.15	
For >250 To 500, Add	0.06	
09 93 Staining And Transparent Finishing <small>(09 90)</small>		
Note: Includes light sanding or screening between coats.		
09 93 13 Exterior Staining And Finishing <small>(09 93)</small>		
09 93 13 13 Exterior Staining <small>(09 93 13)</small>		
09 93 13 13-0001 Stain Sealer <small>(09 93 13 13)</small>		
Note: Measured by surface area of wall or ceiling.		
09 93 13 13-0002 SF Stain Sealer, Brush Work.....	0.80	
For Ceiling Work, Add	0.11	
For >5,000 To 10,000, Deduct	-0.02	
For >10,000 To 20,000, Deduct	-0.04	
For >20,000, Deduct	-0.06	
09 93 13 13-0003 SF Stain Sealer, Brush/Roller Work.....	0.64	
For Ceiling Work, Add	0.09	
For >5,000 To 10,000, Deduct	-0.02	
For >10,000 To 20,000, Deduct	-0.04	
For >20,000, Deduct	-0.05	
09 93 13 13-0004 SF Stain Sealer, Sprayed.....	0.23	
For Ceiling Work, Add	0.03	
For >5,000 To 10,000, Deduct	-0.01	
For >10,000 To 20,000, Deduct	-0.01	
For >20,000, Deduct	-0.02	
09 93 23 Interior Staining And Finishing <small>(09 93)</small>		
Note: VOC compliant in all regulated areas, review specifications for levels.		
09 93 23 53 Interior Finishing <small>(09 93 23)</small>		
09 93 23 53-0001 Concrete Finishes <small>(09 93 23 53)</small>		
09 93 23 53-0002 SF Finish Concrete Floor, 1 Coat Polyurethane.....	0.65	
For Up To 100, Add	0.42	
For >100 To 250, Add	0.20	
For >250 To 500, Add	0.09	
For >4,000, Deduct	-0.03	
09 93 23 53-0003 Wood Trim Finishes <small>(09 93 23 53)</small>		
09 93 23 53-0004 LF Stain Wood Trim, Up To 6" Wide, 1 Coat Stain, With Brush And Wipe Off.....	0.99	
For Up To 100, Add	0.72	
For >100 To 250, Add	0.34	
For >250 To 500, Add	0.14	
For >4,000, Deduct	-0.05	
09 93 23 53-0005 SF Stain Wood Trim, 1 Coat Stain, With Brush And Wipe Off.....	1.46	
For Up To 100, Add	1.06	
For >100 To 250, Add	0.50	
For >250 To 500, Add	0.21	
For >4,000, Deduct	-0.07	
09 93 23 53-0006 SF Finish Wood Trim, 1 Coat Sealer And 1 Coat Varnish Or Polyurethane.....	1.15	
For Up To 100, Add	0.80	
For >100 To 250, Add	0.38	
For >250 To 500, Add	0.16	
For >4,000, Deduct	-0.06	
09 93 23 53-0007 SF Finish Wood Trim, 1 Coat Varnish Or Polyurethane.....	0.79	
For Up To 100, Add	0.56	
For >100 To 250, Add	0.26	
For >250 To 500, Add	0.11	
For >4,000, Deduct	-0.04	
09 93 23 53-0008 Wood Floor Finishes <small>(09 93 23 53)</small>		



Finishes	09	09
Painting And Coating	09 90	
Staining And Transparent Finishing	09 93	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 93 23 53-0009 SF Stain Or Varnish Wood Floor, 1 Coat Stain, Brush Work.....	0.42	
For Up To 100, Add	0.28	
For >100 To 250, Add	0.13	
For >250 To 500, Add	0.06	
For >4,000, Deduct	-0.02	
09 93 23 53-0010 SF Stain Or Varnish Wood Floor, 1 Coat Stain, Brush/Roller Work	0.31	
For Up To 100, Add	0.20	
For >100 To 250, Add	0.09	
For >250 To 500, Add	0.04	
For >4,000, Deduct	-0.02	
09 93 23 53-0011 SF Refinish Wood Floor, 2 Coats Polyurethane.....	2.48	
Note: Includes sanding existing floor.		
For Up To 100, Add	1.79	
For >100 To 250, Add	0.84	
For >250 To 500, Add	0.36	
For >4,000, Deduct	-0.12	
09 93 23 53-0012 SF Polyurethane Wood Floor, 1 Coat Polyurethane, With Wool Applicator Or Brush Work.....	0.58	
Note: Includes screening between coats.		
For Up To 100, Add	0.41	
For >100 To 250, Add	0.19	
For >250 To 500, Add	0.08	
For >4,000, Deduct	-0.03	
09 93 23 53-0013 SF Refinish Wood Floor, 1 Coat Sealer And 2 Coats Polyurethane.....	2.81	
Note: Includes sanding existing floor.		
For Up To 100, Add	2.02	
For >100 To 250, Add	0.95	
For >250 To 500, Add	0.41	
For >4,000, Deduct	-0.14	
09 93 23 53-0014 Wood Door And Window Finishes (09 93 23 53)		
See CSI section 08 14 16 00-0175 for factory finish.		
09 93 23 53-0015 EA Stain Wood Door, 1 Coat Stain With Brush And Wipe Off Wood Door (Per Face)	47.86	
For Up To 4, Add	35.36	
For >4 To 10, Add	16.53	
For >10 To 20, Add	7.09	
For >160, Deduct	-2.39	
09 93 23 53-0016 EA Stain Wood Window, 1 Coat Stain With Brush And Wipe Off Wood Window And Frame (Per Face).....	33.50	
For Up To 4, Add	24.33	
For >4 To 10, Add	11.40	
For >10 To 20, Add	4.89	
For >160, Deduct	-1.68	
09 93 23 53-0017 EA Varnish Or Polyurethane Wood Door, 1 Coat Shellac (Per Face)	34.59	
For Up To 4, Add	25.47	
For >4 To 10, Add	11.91	
For >10 To 20, Add	5.11	
For >160, Deduct	-1.73	
09 93 23 53-0018 EA Varnish Or Polyurethane Wood Door, 3 Coats Shellac, With Light Sanding Between Coats (Per Face)	104.08	
For Up To 4, Add	75.91	
For >4 To 10, Add	35.53	
For >10 To 20, Add	15.25	
For >160, Deduct	-5.20	
09 93 23 53-0019 Cabinet Finishes (09 93 23 53)		
09 93 23 53-0020 SF Stain Cabinet, 1 Coat Stain With Brush And Wipe.....	1.18	
09 93 23 53-0021 SF Stain Cabinet, 1 Coat Shellac, Varnish Or Polyurethane.....	1.18	
09 93 23 53-0022 Gym, Stage And Dance Floor Finishes (09 93 23 53)		
09 93 23 53-0023 SF Yearly Maintenance Refinish Of Gym, Stage Or Dance Floor	1.46	
Note: Includes screening, one coat of finish and buffing. Excludes repainting of game lines.		
09 93 23 53-0024 SF Finish New Elementary School Wood Gym, Stage Or Dance Floor	3.38	
Note: Includes sanding to level, vacuuming, tack cloth wiping, seal coat, light sanding between coats, painting of all game lines, logos, court markings and solid paint areas, seal and finish coats per manufacturer's instructions, minimum four coats total with not less than two finish coats.		
For Stage Or Dance Floors, Deduct	-0.07	
09 93 23 53-0025 SF Finish New Middle Or Junior School Wood Gym, Stage Or Dance Floor	3.47	
Note: Includes sanding to level, vacuuming, tack cloth wiping, seal coat, light sanding between coats, painting of all game lines, logos, court markings and solid paint areas, seal and finish coats per manufacturer's instructions, minimum four coats total with not less than two finish coats.		
For Stage Or Dance Floors, Deduct	-0.07	
09 93 23 53-0026 SF Finish New High School Wood Gym, Stage Or Dance Floor	3.54	
Note: Includes sanding to level, vacuuming, tack cloth wiping, seal coat, light sanding between coats, painting of all game lines, logos, court markings and solid paint areas, seal and finish coats per manufacturer's instructions, minimum four coats total with not less than two finish coats.		
For Stage Or Dance Floors, Deduct	-0.07	
09 93 23 53-0027 SF Refinish Existing Elementary School Wood Gym, Stage Or Dance Floor.....	3.38	
Note: Includes removal of existing finish and sanding to level, vacuuming, tack cloth wiping, seal coat, light sanding between coats, painting of all game lines, logos, court markings and solid paint areas, seal and finish coats per manufacturer's instructions, minimum four coats total with not less than two finish coats.		
For Stage Or Dance Floors, Deduct	-0.07	

09 Finishes

09 90 Painting And Coating

09 93 Staining And Transparent Finishing



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 93 23 53-0028 SF Refinish Existing Middle Or Junior School Wood Gym, Stage Or Dance Floor.....	3.47	
Note: Includes removal of existing finish and sanding to level, vacuuming, tack cloth wiping, seal coat, light sanding between coats, painting of all game lines, logos, court markings and solid paint areas, seal and finish coats per manufacturer's instructions, minimum four coats total with not less than two finish coats.		
For Stage Or Dance Floors, Deduct	-0.07	
09 93 23 53-0029 SF Refinish Existing High School Wood Gym, Stage Or Dance Floor.....	3.54	
Note: Includes removal of existing finish and sanding to level, vacuuming, tack cloth wiping, seal coat, light sanding between coats, painting of all game lines, logos, court markings and solid paint areas, seal and finish coats per manufacturer's instructions, minimum four coats total with not less than two finish coats.		
For Stage Or Dance Floors, Deduct	-0.07	

09 96 High-Performance Coatings (09 90)

09 96 23 Graffiti-Resistant Coatings (09 96)

09 96 23 00-0001 Anti-Graffiti Painting (09 96 23)

09 96 23 00-0002 SF Anti-Graffiti Coating System, 1 Coat, Concrete Surface	1.60	
For Up To 100, Add	0.81	
For >100 To 250, Add	0.40	
For >250 To 500, Add	0.18	
09 96 23 00-0003 SF Anti-Graffiti Coating System, 1 Coat, Brick Or Block.....	1.64	
For Up To 100, Add	0.82	
For >100 To 250, Add	0.40	
For >250 To 500, Add	0.18	
09 96 23 00-0004 SF Anti-Graffiti Coating System, 1 Coat, Tile	1.37	
For Up To 100, Add	0.78	
For >100 To 250, Add	0.37	
For >250 To 500, Add	0.16	
09 96 23 00-0005 SF Anti-Graffiti Coating System, 1 Coat, Metal Or Steel	1.33	
For Up To 100, Add	0.77	
For >100 To 250, Add	0.37	
For >250 To 500, Add	0.16	
09 96 23 00-0006 SF Anti-Graffiti Coating System, 1 Coat, Wood.....	1.60	
For Up To 100, Add	0.81	
For >100 To 250, Add	0.40	
For >250 To 500, Add	0.18	
09 96 23 00-0007 SF Anti-Graffiti Coating System, 1 Coat, Painted Surface.....	1.45	
For Up To 100, Add	0.79	
For >100 To 250, Add	0.38	
For >250 To 500, Add	0.17	
09 96 23 00-0008 SF Anti-Graffiti Coating System, 2 Coats, Concrete Surface.....	3.02	
For Up To 100, Add	1.47	
For >100 To 250, Add	0.72	
For >250 To 500, Add	0.32	
09 96 23 00-0009 SF Anti-Graffiti Coating System, 2 Coats, Brick Or Block.....	3.10	
For Up To 100, Add	1.48	
For >100 To 250, Add	0.73	
For >250 To 500, Add	0.32	
09 96 23 00-0010 SF Anti-Graffiti Coating System, 2 Coats, Tile.....	2.57	
For Up To 100, Add	1.40	
For >100 To 250, Add	0.68	
For >250 To 500, Add	0.30	
09 96 23 00-0011 SF Anti-Graffiti Coating System, 2 Coats, Metal Or Steel.....	2.49	
For Up To 100, Add	1.39	
For >100 To 250, Add	0.67	
For >250 To 500, Add	0.29	
09 96 23 00-0012 SF Anti-Graffiti Coating System, 2 Coats, Wood.....	2.99	
For Up To 100, Add	1.46	
For >100 To 250, Add	0.72	
For >250 To 500, Add	0.32	
09 96 23 00-0013 SF Anti-Graffiti Coating System, 2 Coats, Painted Surface.....	2.72	
For Up To 100, Add	1.42	
For >100 To 250, Add	0.69	
For >250 To 500, Add	0.31	

09 96 53 Elastomeric Coatings (09 96)

09 96 53 00-0001 Elastomeric Painting (09 96 53)

09 96 53 00-0002 SF Paint, Brush, Elastomeric, Per Coat.....	2.09	
Note: Per coat.		
For Work >20', Add	0.36	
Note: Applied only to work area above 20'.		
For Up To 100, Add	1.17	
For >100 To 250, Add	0.56	
For >250 To 500, Add	0.25	
For >2,500 To 5,000, Deduct	-0.10	
For >5,000 To 10,000, Deduct	-0.21	
For >10,000 To 20,000, Deduct	-0.31	
For >20,000, Deduct	-0.42	



Finishes	09	09
Painting And Coating	09 90	
High-Performance Coatings	09 96	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 96 53 00-0003 SF Paint, Roller, Elastomeric, Per Coat	1.67	
For Work >20', Add	0.25	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.85	
For >100 To 250, Add	0.42	
For >250 To 500, Add	0.18	
For >2,500 To 5,000, Deduct	-0.08	
For >5,000 To 10,000, Deduct	-0.17	
For >10,000 To 20,000, Deduct	-0.25	
For >20,000, Deduct	-0.33	
09 96 53 00-0004 SF Paint, Conventional Spray, Elastomeric, Per Coat.....	1.59	
For Work >20', Add	0.20	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.72	
For >100 To 250, Add	0.36	
For >250 To 500, Add	0.16	
For >2,500 To 5,000, Deduct	-0.08	
For >5,000 To 10,000, Deduct	-0.16	
For >10,000 To 20,000, Deduct	-0.24	
For >20,000, Deduct	-0.32	
09 96 53 00-0005 SF Paint, Airless Spray, Elastomeric, Per Coat.....	1.42	
For Work >20', Add	0.16	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.60	
For >100 To 250, Add	0.30	
For >250 To 500, Add	0.14	
For >2,500 To 5,000, Deduct	-0.07	
For >5,000 To 10,000, Deduct	-0.14	
For >10,000 To 20,000, Deduct	-0.21	
For >20,000, Deduct	-0.28	
09 96 56 Epoxy Coatings (09 96)		
09 96 56 00-0001 High Build Epoxy (09 96 56)		
09 96 56 00-0002 SF High Build Epoxy - 50 Mil.....	2.83	
09 96 56 00-0003 Laminated Epoxy With Fiberglass (09 96 56)		
09 96 56 00-0004 SF Laminated Epoxy With Fiberglass	4.98	
09 96 66 Aggregate Wall Coatings (09 96)		
09 96 66 00-0001 Troweled On (09 96 66)		
09 96 66 00-0002 SF Exposed Aggregate - 1/16" To 1/4" - Troweled On.....	3.52	
09 96 66 00-0003 SF Exposed Aggregate - 1/2" To 5/8" Troweled On.....	6.33	
09 96 66 00-0004 SF Exposed Aggregate - 1" Troweled On	9.41	
09 96 66 00-0005 Sprayed On (09 96 66)		
09 96 66 00-0006 SF Exposed Aggregate - 1/8" - Sprayed On.....	2.86	
09 97 Special Coatings (09 90)		
09 97 13 Steel Coatings (09 97)		
09 97 13 23 Exterior Steel Coatings (09 97 13)		
09 97 13 23-0001 Surface Preparation For Tanks And Structural Steel (09 97 13 23)		
Note: Type 1 structural steel - up to 2 SF per LF, Type 2 structural steel - over 2 SF to 5 SF per LF, Type 3 structural steel - over 5 SF per LF, small pressure vessels and tanks - up to 12' diameter, large pressure vessels and tanks - over 12' diameter, tank interiors - over 6' diameter, and piping - under 14' diameter.		
09 97 13 23-0002 SSPC SP7 Brush Off Blast Cleaning Surface Preparation (09 97 13 23-0001)		
09 97 13 23-0003 SF Type 1 Structural Steel SP7 Brush Off Blast Cleaning Surface Preparation.....	0.98	
For Up To 100, Add	0.66	
For >100 To 250, Add	0.31	
For >250 To 500, Add	0.14	
09 97 13 23-0004 SF Type 2 Structural Steel SP7 Brush Off Blast Cleaning Surface Preparation.....	0.87	
For Up To 100, Add	0.59	
For >100 To 250, Add	0.28	
For >250 To 500, Add	0.12	
09 97 13 23-0005 SF Type 3 Structural Steel SP7 Brush Off Blast Cleaning Surface Preparation.....	0.85	
For Up To 100, Add	0.58	
For >100 To 250, Add	0.28	
For >250 To 500, Add	0.12	
09 97 13 23-0006 SF Small Vessel/Tank SP7 Brush Off Blast Cleaning Surface Preparation	0.82	
For Up To 100, Add	0.56	
For >100 To 250, Add	0.26	
For >250 To 500, Add	0.11	

09 Finishes**09 90 Painting And Coating****09 97 Special Coatings**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 97 13 23-0007 SF Large Vessel/Tank SP7 Brush Off Blast Cleaning Surface Preparation	0.67	
For Up To 100, Add	0.46	
For >100 To 250, Add	0.22	
For >250 To 500, Add	0.09	
09 97 13 23-0008 SF Up To 14" Diameter Pipe SP7 Brush Off Blast Cleaning Surface Preparation.....	1.20	
For Up To 100, Add	0.83	
For >100 To 250, Add	0.39	
For >250 To 500, Add	0.17	
09 97 13 23-0009 SF Vessel/Tank Interior SP7 Brush Off Blast Cleaning Surface Preparation	1.14	
For Up To 100, Add	0.81	
For >100 To 250, Add	0.38	
For >250 To 500, Add	0.16	
09 97 13 23-0010 SSPC SP6 Commercial Blast Cleaning Surface Preparation (09 97 13 23-0001)		
09 97 13 23-0011 SF Type 1 Structural Steel SP6 Commercial Blast Cleaning Surface Preparation.....	2.49	
For Up To 100, Add	1.74	
For >100 To 250, Add	0.82	
For >250 To 500, Add	0.35	
09 97 13 23-0012 SF Type 2 Structural Steel SP6 Commercial Blast Cleaning Surface Preparation.....	2.17	
For Up To 100, Add	1.51	
For >100 To 250, Add	0.71	
For >250 To 500, Add	0.31	
09 97 13 23-0013 SF Type 3 Structural Steel SP6 Commercial Blast Cleaning Surface Preparation.....	2.01	
For Up To 100, Add	1.39	
For >100 To 250, Add	0.65	
For >250 To 500, Add	0.28	
09 97 13 23-0014 SF Small Vessel/Tank SP6 Commercial Blast Cleaning Surface Preparation.....	2.01	
For Up To 100, Add	1.39	
For >100 To 250, Add	0.65	
For >250 To 500, Add	0.28	
09 97 13 23-0015 SF Large Vessel/Tank SP6 Commercial Blast Cleaning Surface Preparation	1.85	
For Up To 100, Add	1.27	
For >100 To 250, Add	0.60	
For >250 To 500, Add	0.26	
09 97 13 23-0016 SF Up To 14" Diameter Pipe SP6 Commercial Blast Cleaning Surface Preparation.....	3.10	
For Up To 100, Add	2.20	
For >100 To 250, Add	1.03	
For >250 To 500, Add	0.44	
09 97 13 23-0017 SF Vessel/Tank Interior SP6 Commercial Blast Cleaning Surface Preparation	2.68	
For Up To 100, Add	1.89	
For >100 To 250, Add	0.89	
For >250 To 500, Add	0.38	
09 97 13 23-0018 SSPC SP5 White Metal Blast Cleaning Surface Preparation (09 97 13 23-0001)		
09 97 13 23-0019 SF Type 1 Structural Steel SP5 White Metal Blast Cleaning Surface Preparation.....	4.83	
For Up To 100, Add	3.40	
For >100 To 250, Add	1.60	
For >250 To 500, Add	0.69	
09 97 13 23-0020 SF Type 2 Structural Steel SP5 White Metal Blast Cleaning Surface Preparation.....	4.13	
For Up To 100, Add	2.89	
For >100 To 250, Add	1.36	
For >250 To 500, Add	0.59	
09 97 13 23-0021 SF Type 3 Structural Steel SP5 White Metal Blast Cleaning Surface Preparation.....	3.80	
For Up To 100, Add	2.65	
For >100 To 250, Add	1.25	
For >250 To 500, Add	0.54	
09 97 13 23-0022 SF Small Vessel/Tank SP5 White Metal Blast Cleaning Surface Preparation.....	3.63	
For Up To 100, Add	2.52	
For >100 To 250, Add	1.19	
For >250 To 500, Add	0.51	
09 97 13 23-0023 SF Large Vessel/Tank SP5 White Metal Blast Cleaning Surface Preparation.....	3.47	
For Up To 100, Add	2.40	
For >100 To 250, Add	1.13	
For >250 To 500, Add	0.49	
09 97 13 23-0024 SF Up To 14" Diameter Pipe SP5 White Metal Blast Cleaning Surface Preparation.....	5.80	
For Up To 100, Add	4.13	
For >100 To 250, Add	1.94	
For >250 To 500, Add	0.83	
09 97 13 23-0025 SF Vessel/Tank Interior SP5 White Metal Blast Cleaning Surface Preparation.....	5.03	
For Up To 100, Add	3.57	
For >100 To 250, Add	1.68	
For >250 To 500, Add	0.72	
09 97 13 23-0026 SSPC SP10 Near White Metal Blast Cleaning Surface Preparation (09 97 13 23-0001)		
09 97 13 23-0027 SF Type 1 Structural Steel SP10 Near White Metal Blast Cleaning Surface Preparation	3.60	
For Up To 100, Add	2.52	
For >100 To 250, Add	1.19	
For >250 To 500, Add	0.51	
09 97 13 23-0028 SF Type 2 Structural Steel SP10 Near White Metal Blast Cleaning Surface Preparation	3.07	
For Up To 100, Add	2.15	
For >100 To 250, Add	1.01	
For >250 To 500, Add	0.43	



Finishes	09	09
Painting And Coating	09 90	
Special Coatings	09 97	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 97	13 23-0029	SF	Type 3 Structural Steel SP10 Near White Metal Blast Cleaning Surface Preparation	2.90	
			<i>For Up To 100, Add</i>	2.02	
			<i>For >100 To 250, Add</i>	0.95	
			<i>For >250 To 500, Add</i>	0.41	
09 97	13 23-0030	SF	Small Vessel/Tank SP10 Near White Metal Blast Cleaning Surface Preparation	2.89	
			<i>For Up To 100, Add</i>	2.02	
			<i>For >100 To 250, Add</i>	0.95	
			<i>For >250 To 500, Add</i>	0.41	
09 97	13 23-0031	SF	Large Vessel/Tank SP10 Near White Metal Blast Cleaning Surface Preparation	2.89	
			<i>For Up To 100, Add</i>	2.02	
			<i>For >100 To 250, Add</i>	0.95	
			<i>For >250 To 500, Add</i>	0.41	
09 97	13 23-0032	SF	Up To 14" Diameter Pipe SP10 Near White Metal Blast Cleaning Surface Preparation	4.22	
			<i>For Up To 100, Add</i>	3.01	
			<i>For >100 To 250, Add</i>	1.41	
			<i>For >250 To 500, Add</i>	0.61	
09 97	13 23-0033	SF	Vessel/Tank Interior SP10 Near White Metal Blast Cleaning Surface Preparation	4.21	
			<i>For Up To 100, Add</i>	3.01	
			<i>For >100 To 250, Add</i>	1.41	
			<i>For >250 To 500, Add</i>	0.61	
09 97	13 23-0034		Protective Coatings For Tanks And Structural Steel (09 97 13 23)		
			Note: Type 1 structural steel - up to 2 SF per LF, Type 2 structural steel - over 2 SF to 5 SF per LF, Type 3 structural steel - over 5 SF per LF, small pressure vessels and tanks - up to 12' diameter, large pressure vessels and tanks - over 12' diameter, tank interiors - over 6' diameter, and piping - under 14" diameter.		
09 97	13 23-0035		1.5 Mil Prime Coat For Tanks And Structural Steel (09 97 13 23-0034)		
09 97	13 23-0036	SF	Spray Type 1 Structural Steel 1.5 Mil Prime Coat	0.90	
			<i>For Up To 100, Add</i>	0.62	
			<i>For >100 To 250, Add</i>	0.29	
			<i>For >250 To 500, Add</i>	0.13	
09 97	13 23-0037	SF	Spray Type 2 Structural Steel 1.5 Mil Prime Coat	0.67	
			<i>For Up To 100, Add</i>	0.45	
			<i>For >100 To 250, Add</i>	0.21	
			<i>For >250 To 500, Add</i>	0.09	
09 97	13 23-0038	SF	Spray Type 3 Structural Steel 1.5 Mil Prime Coat	0.59	
			<i>For Up To 100, Add</i>	0.39	
			<i>For >100 To 250, Add</i>	0.19	
			<i>For >250 To 500, Add</i>	0.08	
09 97	13 23-0039	SF	Spray Small Vessel/Tank 1.5 Mil Prime Coat	0.51	
			<i>For Up To 100, Add</i>	0.33	
			<i>For >100 To 250, Add</i>	0.16	
			<i>For >250 To 500, Add</i>	0.07	
09 97	13 23-0040	SF	Spray Large Vessel/Tank 1.5 Mil Prime Coat	0.42	
			<i>For Up To 100, Add</i>	0.27	
			<i>For >100 To 250, Add</i>	0.13	
			<i>For >250 To 500, Add</i>	0.06	
09 97	13 23-0041	SF	Spray Up To 14" Diameter Pipe 1.5 Mil Prime Coat	1.08	
			<i>For Up To 100, Add</i>	0.76	
			<i>For >100 To 250, Add</i>	0.36	
			<i>For >250 To 500, Add</i>	0.15	
09 97	13 23-0042	SF	Spray Tank Interior 1.5 Mil Prime Coat	1.03	
			<i>For Up To 100, Add</i>	0.72	
			<i>For >100 To 250, Add</i>	0.34	
			<i>For >250 To 500, Add</i>	0.15	
09 97	13 23-0043	SF	Brush Type 1 Structural Steel 1.5 Mil Prime Coat	1.40	
			<i>For Up To 100, Add</i>	0.99	
			<i>For >100 To 250, Add</i>	0.47	
			<i>For >250 To 500, Add</i>	0.20	
09 97	13 23-0044	SF	Brush Type 2 Structural Steel 1.5 Mil Prime Coat	1.02	
			<i>For Up To 100, Add</i>	0.72	
			<i>For >100 To 250, Add</i>	0.34	
			<i>For >250 To 500, Add</i>	0.15	
09 97	13 23-0045	SF	Brush Type 3 Structural Steel 1.5 Mil Prime Coat	0.90	
			<i>For Up To 100, Add</i>	0.63	
			<i>For >100 To 250, Add</i>	0.30	
			<i>For >250 To 500, Add</i>	0.13	
09 97	13 23-0046	SF	Brush Small Vessel/Tank 1.5 Mil Prime Coat	0.78	
			<i>For Up To 100, Add</i>	0.54	
			<i>For >100 To 250, Add</i>	0.25	
			<i>For >250 To 500, Add</i>	0.11	
09 97	13 23-0047	SF	Brush Large Vessel/Tank 1.5 Mil Prime Coat	0.62	
			<i>For Up To 100, Add</i>	0.42	
			<i>For >100 To 250, Add</i>	0.20	
			<i>For >250 To 500, Add</i>	0.09	
09 97	13 23-0048	SF	Brush Up To 14" Diameter Pipe 1.5 Mil Prime Coat	1.70	
			<i>For Up To 100, Add</i>	1.22	
			<i>For >100 To 250, Add</i>	0.57	
			<i>For >250 To 500, Add</i>	0.25	
09 97	13 23-0049	SF	Brush Tank Interior 1.5 Mil Prime Coat	1.62	
			<i>For Up To 100, Add</i>	1.17	
			<i>For >100 To 250, Add</i>	0.55	
			<i>For >250 To 500, Add</i>	0.24	

09 Finishes

09 90 Painting And Coating

09 97 Special Coatings



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 97 13 23-0050			1.5 Mil Prime And Two 1.5 Mil Alkyd Finish Coats For Tanks And Structural Steel <small>(09 97 13 23-0034)</small>		
09 97 13 23-0051	SF		Spray Type 1 Structural Steel 1.5 Mil Prime And Two 1.5 Mil Alkyd Finish Coats.....	2.63	
			For Up To 100, Add	1.79	
			For >100 To 250, Add	0.84	
			For >250 To 500, Add	0.36	
09 97 13 23-0052	SF		Spray Type 2 Structural Steel 1.5 Mil Prime And Two 1.5 Mil Alkyd Finish Coats.....	1.88	
			For Up To 100, Add	1.24	
			For >100 To 250, Add	0.59	
			For >250 To 500, Add	0.25	
09 97 13 23-0053	SF		Spray Type 3 Structural Steel 1.5 Mil Prime And Two 1.5 Mil Alkyd Finish Coats.....	1.73	
			For Up To 100, Add	1.13	
			For >100 To 250, Add	0.54	
			For >250 To 500, Add	0.23	
09 97 13 23-0054	SF		Spray Small Vessel/Tank 1.5 Mil Prime And Two 1.5 Mil Alkyd Finish Coats.....	1.50	
			For Up To 100, Add	0.96	
			For >100 To 250, Add	0.46	
			For >250 To 500, Add	0.20	
09 97 13 23-0055	SF		Spray Large Vessel/Tank 1.5 Mil Prime And Two 1.5 Mil Alkyd Finish Coats.....	1.14	
			For Up To 100, Add	0.69	
			For >100 To 250, Add	0.33	
			For >250 To 500, Add	0.14	
09 97 13 23-0056	SF		Spray Up To 14" Diameter Pipe 1.5 Mil Prime And Two 1.5 Mil Alkyd Finish Coats.....	3.23	
			For Up To 100, Add	2.23	
			For >100 To 250, Add	1.05	
			For >250 To 500, Add	0.45	
09 97 13 23-0057	SF		Spray Tank Interior 1.5 Mil Prime And Two 1.5 Mil Alkyd Finish Coats.....	2.89	
			For Up To 100, Add	2.01	
			For >100 To 250, Add	0.94	
			For >250 To 500, Add	0.41	
09 97 13 23-0058	SF		Spray Type 1 Structural Steel 1.5 Mil Prime And One 1.5 Mil Alkyd Finish Coats.....	1.98	
			For Up To 100, Add	1.35	
			For >100 To 250, Add	0.64	
			For >250 To 500, Add	0.27	
09 97 13 23-0059	SF		Spray Type 2 Structural Steel 1.5 Mil Prime And One 1.5 Mil Alkyd Finish Coats.....	1.41	
			For Up To 100, Add	0.93	
			For >100 To 250, Add	0.44	
			For >250 To 500, Add	0.19	
09 97 13 23-0060	SF		Spray Type 3 Structural Steel 1.5 Mil Prime And One 1.5 Mil Alkyd Finish Coats.....	1.30	
			For Up To 100, Add	0.85	
			For >100 To 250, Add	0.40	
			For >250 To 500, Add	0.17	
09 97 13 23-0061	SF		Spray Small Vessel/Tank 1.5 Mil Prime And One 1.5 Mil Alkyd Finish Coats.....	1.13	
			For Up To 100, Add	0.73	
			For >100 To 250, Add	0.35	
			For >250 To 500, Add	0.15	
09 97 13 23-0062	SF		Spray Large Vessel/Tank 1.5 Mil Prime And One 1.5 Mil Alkyd Finish Coats.....	0.86	
			For Up To 100, Add	0.53	
			For >100 To 250, Add	0.25	
			For >250 To 500, Add	0.11	
09 97 13 23-0063	SF		Spray Up To 14" Diameter Pipe 1.5 Mil Prime And One 1.5 Mil Alkyd Finish Coats.....	2.42	
			For Up To 100, Add	1.67	
			For >100 To 250, Add	0.79	
			For >250 To 500, Add	0.34	
09 97 13 23-0064	SF		Spray Tank Interior 1.5 Mil Prime And One 1.5 Mil Alkyd Finish Coats.....	2.16	
			For Up To 100, Add	1.50	
			For >100 To 250, Add	0.71	
			For >250 To 500, Add	0.30	
09 97 13 23-0065	SF		Brush Type 1 Structural Steel 1.5 Mil Prime And Two 1.5 Mil Alkyd Finish Coats.....	4.45	
			For Up To 100, Add	3.15	
			For >100 To 250, Add	1.48	
			For >250 To 500, Add	0.64	
09 97 13 23-0066	SF		Brush Type 2 Structural Steel 1.5 Mil Prime And Two 1.5 Mil Alkyd Finish Coats.....	3.12	
			For Up To 100, Add	2.17	
			For >100 To 250, Add	1.02	
			For >250 To 500, Add	0.44	
09 97 13 23-0067	SF		Brush Type 3 Structural Steel 1.5 Mil Prime And Two 1.5 Mil Alkyd Finish Coats.....	2.86	
			For Up To 100, Add	1.98	
			For >100 To 250, Add	0.93	
			For >250 To 500, Add	0.40	
09 97 13 23-0068	SF		Brush Small Vessel/Tank 1.5 Mil Prime And Two 1.5 Mil Alkyd Finish Coats.....	2.47	
			For Up To 100, Add	1.69	
			For >100 To 250, Add	0.80	
			For >250 To 500, Add	0.34	
09 97 13 23-0069	SF		Brush Large Vessel/Tank 1.5 Mil Prime And Two 1.5 Mil Alkyd Finish Coats.....	1.82	
			For Up To 100, Add	1.20	
			For >100 To 250, Add	0.57	
			For >250 To 500, Add	0.25	
09 97 13 23-0070	SF		Brush Up To 14" Diameter Pipe 1.5 Mil Prime And Two 1.5 Mil Alkyd Finish Coats.....	5.48	
			For Up To 100, Add	3.92	
			For >100 To 250, Add	1.84	
			For >250 To 500, Add	0.79	



Finishes	09	09
Painting And Coating	09 90	
Special Coatings	09 97	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 97 13 23-0071 SF Brush Tank Interior 1.5 Mil Prime And Two 1.5 Mil Alkyd Finish Coats	4.92	
For Up To 100, Add	3.53	
For >100 To 250, Add	1.65	
For >250 To 500, Add	0.71	
09 97 13 23-0072 SF Brush Type 1 Structural Steel 1.5 Mil Prime And One 1.5 Mil Alkyd Finish Coats	3.33	
For Up To 100, Add	2.36	
For >100 To 250, Add	1.11	
For >250 To 500, Add	0.48	
09 97 13 23-0073 SF Brush Type 2 Structural Steel 1.5 Mil Prime And One 1.5 Mil Alkyd Finish Coats	2.34	
For Up To 100, Add	1.63	
For >100 To 250, Add	0.77	
For >250 To 500, Add	0.33	
09 97 13 23-0074 SF Brush Type 3 Structural Steel 1.5 Mil Prime And One 1.5 Mil Alkyd Finish Coats	2.15	
For Up To 100, Add	1.49	
For >100 To 250, Add	0.70	
For >250 To 500, Add	0.30	
09 97 13 23-0075 SF Brush Small Vessel/Tank 1.5 Mil Prime And One 1.5 Mil Alkyd Finish Coats	1.85	
For Up To 100, Add	1.27	
For >100 To 250, Add	0.60	
For >250 To 500, Add	0.26	
09 97 13 23-0076 SF Brush Large Vessel/Tank 1.5 Mil Prime And One 1.5 Mil Alkyd Finish Coats	1.36	
For Up To 100, Add	0.90	
For >100 To 250, Add	0.43	
For >250 To 500, Add	0.18	
09 97 13 23-0077 SF Brush Up To 14" Diameter Pipe 1.5 Mil Prime And One 1.5 Mil Alkyd Finish Coats	4.12	
For Up To 100, Add	2.95	
For >100 To 250, Add	1.38	
For >250 To 500, Add	0.59	
09 97 13 23-0078 SF Brush Tank Interior 1.5 Mil Prime And One 1.5 Mil Alkyd Finish Coats	3.69	
For Up To 100, Add	2.65	
For >100 To 250, Add	1.24	
For >250 To 500, Add	0.53	
09 97 13 23-0079 Touch-Up And Two 1.5 Mil Alkyd Finish Coats For Tanks And Structural Steel		
<small>(09 97 13 23-0034)</small>		
09 97 13 23-0080 SF Spray Type 1 Structural Steel Touch-Up And Two 1.5 Mil Alkyd Finish Coats	2.04	
For Up To 100, Add	1.40	
For >100 To 250, Add	0.66	
For >250 To 500, Add	0.28	
09 97 13 23-0081 SF Spray Type 2 Structural Steel Touch-Up And Two 1.5 Mil Alkyd Finish Coats	1.65	
For Up To 100, Add	1.12	
For >100 To 250, Add	0.53	
For >250 To 500, Add	0.23	
09 97 13 23-0082 SF Spray Type 3 Structural Steel Touch-Up And Two 1.5 Mil Alkyd Finish Coats	1.51	
For Up To 100, Add	1.01	
For >100 To 250, Add	0.48	
For >250 To 500, Add	0.21	
09 97 13 23-0083 SF Spray Small Vessel/Tank Touch-Up And Two 1.5 Mil Alkyd Finish Coats	1.36	
For Up To 100, Add	0.90	
For >100 To 250, Add	0.43	
For >250 To 500, Add	0.18	
09 97 13 23-0084 SF Spray Large Vessel/Tank Touch-Up And Two 1.5 Mil Alkyd Finish Coats	1.15	
For Up To 100, Add	0.74	
For >100 To 250, Add	0.35	
For >250 To 500, Add	0.15	
09 97 13 23-0085 SF Spray Up To 14" Diameter Pipe Touch-Up And Two 1.5 Mil Alkyd Finish Coats	2.55	
For Up To 100, Add	1.77	
For >100 To 250, Add	0.84	
For >250 To 500, Add	0.36	
09 97 13 23-0086 SF Spray Tank Interior Touch-Up And Two 1.5 Mil Alkyd Finish Coats	3.04	
For Up To 100, Add	2.16	
For >100 To 250, Add	1.01	
For >250 To 500, Add	0.44	
09 97 13 23-0087 SF Spray Type 1 Structural Steel Touch-Up And One 1.5 Mil Alkyd Finish Coat	1.30	
For Up To 100, Add	0.89	
For >100 To 250, Add	0.42	
For >250 To 500, Add	0.18	
09 97 13 23-0088 SF Spray Type 2 Structural Steel Touch-Up And One 1.5 Mil Alkyd Finish Coat	1.07	
For Up To 100, Add	0.72	
For >100 To 250, Add	0.34	
For >250 To 500, Add	0.15	
09 97 13 23-0089 SF Spray Type 3 Structural Steel Touch-Up And One 1.5 Mil Alkyd Finish Coat	0.96	
For Up To 100, Add	0.64	
For >100 To 250, Add	0.30	
For >250 To 500, Add	0.13	
09 97 13 23-0090 SF Spray Small Vessel/Tank Touch-Up And One 1.5 Mil Alkyd Finish Coat	0.87	
For Up To 100, Add	0.57	
For >100 To 250, Add	0.27	
For >250 To 500, Add	0.12	
09 97 13 23-0091 SF Spray Large Vessel/Tank Touch-Up And One 1.5 Mil Alkyd Finish Coat	0.74	
For Up To 100, Add	0.48	
For >100 To 250, Add	0.23	
For >250 To 500, Add	0.10	

09 Finishes**09 90 Painting And Coating**

09 97 Special Coatings



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 97 13 23-0092 SF Spray Up To 14" Diameter Pipe Touch-Up And One 1.5 Mil Alkyd Finish Coat.....	1.64	
For Up To 100, Add	1.14	
For >100 To 250, Add	0.54	
For >250 To 500, Add	0.23	
09 97 13 23-0093 SF Spray Tank Interior Touch-Up And One 1.5 Mil Alkyd Finish Coats.....	1.94	
For Up To 100, Add	1.38	
For >100 To 250, Add	0.65	
For >250 To 500, Add	0.28	
09 97 13 23-0094 SF Brush Type 1 Structural Steel Touch-Up And Two 1.5 Mil Alkyd Finish Coats	3.16	
For Up To 100, Add	2.24	
For >100 To 250, Add	1.05	
For >250 To 500, Add	0.45	
09 97 13 23-0095 SF Brush Type 2 Structural Steel Touch-Up And Two 1.5 Mil Alkyd Finish Coats	2.56	
For Up To 100, Add	1.80	
For >100 To 250, Add	0.85	
For >250 To 500, Add	0.36	
09 97 13 23-0096 SF Brush Type 3 Structural Steel Touch-Up And Two 1.5 Mil Alkyd Finish Coats	2.32	
For Up To 100, Add	1.62	
For >100 To 250, Add	0.76	
For >250 To 500, Add	0.33	
09 97 13 23-0097 SF Brush Small Vessel/Tank Touch-Up And Two 1.5 Mil Alkyd Finish Coats.....	2.09	
For Up To 100, Add	1.45	
For >100 To 250, Add	0.68	
For >250 To 500, Add	0.29	
09 97 13 23-0098 SF Brush Large Vessel/Tank Touch-Up And Two 1.5 Mil Alkyd Finish Coats.....	1.74	
For Up To 100, Add	1.19	
For >100 To 250, Add	0.56	
For >250 To 500, Add	0.24	
09 97 13 23-0099 SF Brush Up To 14" Diameter Pipe Touch-Up And Two 1.5 Mil Alkyd Finish Coats.....	4.01	
For Up To 100, Add	2.87	
For >100 To 250, Add	1.35	
For >250 To 500, Add	0.58	
09 97 13 23-0100 SF Brush Tank Interior Touch-Up And Two 1.5 Mil Alkyd Finish Coats.....	5.17	
For Up To 100, Add	3.80	
For >100 To 250, Add	1.78	
For >250 To 500, Add	0.76	
09 97 13 23-0101 SF Brush Type 1 Structural Steel Touch-Up And One 1.5 Mil Alkyd Finish Coat.....	2.03	
For Up To 100, Add	1.44	
For >100 To 250, Add	0.68	
For >250 To 500, Add	0.29	
09 97 13 23-0102 SF Brush Type 2 Structural Steel Touch-Up And One 1.5 Mil Alkyd Finish Coat.....	1.64	
For Up To 100, Add	1.15	
For >100 To 250, Add	0.54	
For >250 To 500, Add	0.23	
09 97 13 23-0103 SF Brush Type 3 Structural Steel Touch-Up And One 1.5 Mil Alkyd Finish Coat.....	1.49	
For Up To 100, Add	1.04	
For >100 To 250, Add	0.49	
For >250 To 500, Add	0.21	
09 97 13 23-0104 SF Brush Small Vessel/Tank Touch-Up And One 1.5 Mil Alkyd Finish Coat.....	1.34	
For Up To 100, Add	0.93	
For >100 To 250, Add	0.44	
For >250 To 500, Add	0.19	
09 97 13 23-0105 SF Brush Large Vessel/Tank Touch-Up And One 1.5 Mil Alkyd Finish Coat.....	1.11	
For Up To 100, Add	0.75	
For >100 To 250, Add	0.36	
For >250 To 500, Add	0.15	
09 97 13 23-0106 SF Brush Up To 14" Diameter Pipe Touch-Up And One 1.5 Mil Alkyd Finish Coat.....	2.56	
For Up To 100, Add	1.83	
For >100 To 250, Add	0.86	
For >250 To 500, Add	0.37	
09 97 13 23-0107 SF Brush Tank Interior Touch-Up And One 1.5 Mil Alkyd Finish Coats.....	3.35	
For Up To 100, Add	2.43	
For >100 To 250, Add	1.14	
For >250 To 500, Add	0.49	
09 97 13 23-0108 2 Mil Prime And Two 2 Mil Epoxy Polyamide Cured Resin Finish Coats For Tanks And Structural Steel (09 97 13 23-0034)		
09 97 13 23-0109 SF Spray Type 1 Structural Steel 2 Mil Prime And Two 2 Mil Epoxy Polyamide Cured Resin Finish Coats	3.24	
For Up To 100, Add	2.06	
For >100 To 250, Add	0.98	
For >250 To 500, Add	0.42	
09 97 13 23-0110 SF Spray Type 2 Structural Steel 2 Mil Prime And Two 2 Mil Epoxy Polyamide Cured Resin Finish Coats	2.32	
For Up To 100, Add	1.40	
For >100 To 250, Add	0.67	
For >250 To 500, Add	0.29	
09 97 13 23-0111 SF Spray Type 3 Structural Steel 2 Mil Prime And Two 2 Mil Epoxy Polyamide Cured Resin Finish Coats	2.02	
For Up To 100, Add	1.17	
For >100 To 250, Add	0.56	
For >250 To 500, Add	0.25	
09 97 13 23-0112 SF Spray Small Vessel/Tank 2 Mil Prime And Two 2 Mil Epoxy Polyamide Cured Resin Finish Coats	1.86	
For Up To 100, Add	1.07	
For >100 To 250, Add	0.51	
For >250 To 500, Add	0.22	



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Painting And Coating	09 90	
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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 97 13 23-0113 SF Spray Large Vessel/Tank 2 Mil Prime And Two 2 Mil Epoxy Polyamide Cured Resin Finish Coats.....	1.57	
For Up To 100, Add	0.85	
For >100 To 250, Add	0.41	
For >250 To 500, Add	0.18	
09 97 13 23-0114 SF Spray Up To 14" Diameter Pipe 2 Mil Prime And Two 2 Mil Epoxy Polyamide Cured Resin Finish Coats.....	3.70	
For Up To 100, Add	2.39	
For >100 To 250, Add	1.13	
For >250 To 500, Add	0.49	
09 97 13 23-0115 SF Spray Type 1 Structural Steel Two 2 Mil Epoxy Polyamide Cured Resin Finish Coats	2.27	
For Up To 100, Add	1.44	
For >100 To 250, Add	0.68	
For >250 To 500, Add	0.30	
09 97 13 23-0116 SF Spray Type 2 Structural Steel Two 2 Mil Epoxy Polyamide Cured Resin Finish Coats	1.62	
For Up To 100, Add	0.98	
For >100 To 250, Add	0.47	
For >250 To 500, Add	0.20	
09 97 13 23-0117 SF Spray Type 3 Structural Steel Two 2 Mil Epoxy Polyamide Cured Resin Finish Coats	1.42	
For Up To 100, Add	0.83	
For >100 To 250, Add	0.40	
For >250 To 500, Add	0.17	
09 97 13 23-0118 SF Spray Small Vessel/Tank Two 2 Mil Epoxy Polyamide Cured Resin Finish Coats	1.31	
For Up To 100, Add	0.75	
For >100 To 250, Add	0.36	
For >250 To 500, Add	0.16	
09 97 13 23-0119 SF Spray Large Vessel/Tank Two 2 Mil Epoxy Polyamide Cured Resin Finish Coats.....	1.10	
For Up To 100, Add	0.59	
For >100 To 250, Add	0.29	
For >250 To 500, Add	0.13	
09 97 13 23-0120 SF Spray Up To 14" Diameter Pipe Two 2 Mil Epoxy Polyamide Cured Resin Finish Coats	2.59	
For Up To 100, Add	1.67	
For >100 To 250, Add	0.79	
For >250 To 500, Add	0.34	
09 97 13 23-0121 2 Mil Prime And Two 6 Mil High Build Epoxy Finish Coats For Tanks And Structural Steel <small>(09 97 13 23-0034)</small>		
09 97 13 23-0122 SF Spray Type 1 Structural Steel 2 Mil Prime And Two 6 Mil High Build Epoxy Finish Coats	3.42	
For Up To 100, Add	2.09	
For >100 To 250, Add	1.00	
For >250 To 500, Add	0.43	
09 97 13 23-0123 SF Spray Type 2 Structural Steel 2 Mil Prime And Two 6 Mil High Build Epoxy Finish Coats	2.48	
For Up To 100, Add	1.42	
For >100 To 250, Add	0.69	
For >250 To 500, Add	0.30	
09 97 13 23-0124 SF Spray Type 3 Structural Steel 2 Mil Prime And Two 6 Mil High Build Epoxy Finish Coats	2.18	
For Up To 100, Add	1.20	
For >100 To 250, Add	0.58	
For >250 To 500, Add	0.25	
09 97 13 23-0125 SF Spray Small Vessel/Tank 2 Mil Prime And Two 6 Mil High Build Epoxy Finish Coats	2.02	
For Up To 100, Add	1.09	
For >100 To 250, Add	0.53	
For >250 To 500, Add	0.23	
09 97 13 23-0126 SF Spray Large Vessel/Tank 2 Mil Prime And Two 6 Mil High Build Epoxy Finish Coats.....	1.73	
For Up To 100, Add	0.87	
For >100 To 250, Add	0.43	
For >250 To 500, Add	0.19	
09 97 13 23-0127 SF Spray Up To 14" Diameter Pipe 2 Mil Prime And Two 6 Mil High Build Epoxy Finish Coats	3.88	
For Up To 100, Add	2.41	
For >100 To 250, Add	1.15	
For >250 To 500, Add	0.50	
09 97 13 23-0128 SF Spray Type 1 Structural Steel Two 6 Mil High Build Epoxy Finish Coats.....	2.81	
For Up To 100, Add	1.71	
For >100 To 250, Add	0.82	
For >250 To 500, Add	0.36	
09 97 13 23-0129 SF Spray Type 2 Structural Steel Two 6 Mil High Build Epoxy Finish Coats.....	2.03	
For Up To 100, Add	1.16	
For >100 To 250, Add	0.56	
For >250 To 500, Add	0.24	
09 97 13 23-0130 SF Spray Type 3 Structural Steel Two 6 Mil High Build Epoxy Finish Coats.....	1.79	
For Up To 100, Add	0.98	
For >100 To 250, Add	0.48	
For >250 To 500, Add	0.21	
09 97 13 23-0131 SF Spray Small Vessel/Tank Two 6 Mil High Build Epoxy Finish Coats	1.65	
For Up To 100, Add	0.89	
For >100 To 250, Add	0.43	
For >250 To 500, Add	0.19	
09 97 13 23-0132 SF Spray Large Vessel/Tank Two 6 Mil High Build Epoxy Finish Coats	1.41	
For Up To 100, Add	0.71	
For >100 To 250, Add	0.35	
For >250 To 500, Add	0.15	
09 97 13 23-0133 SF Spray Up To 14" Diameter Pipe Two 6 Mil High Build Epoxy Finish Coats	3.19	
For Up To 100, Add	1.98	
For >100 To 250, Add	0.95	
For >250 To 500, Add	0.41	

09 Finishes**09 90 Painting And Coating****09 97 Special Coatings**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 97 13 23-0134 1 Mil Prime, Three 2.33 Mil Body Coats And Two 1 Mil Vinyl Finish Coats For Tanks And Structural Steel (09 97 13 23-0034)		
09 97 13 23-0135 SF Spray Type 1 Structural Steel 1 Mil Prime, Three 2.33 Mil Body Coats And Two 1 Mil Vinyl Finish Coats.....	7.22	
For Up To 100, Add	4.49	
For >100 To 250, Add	2.14	
For >250 To 500, Add	0.93	
09 97 13 23-0136 SF Spray Type 2 Structural Steel 1 Mil Prime, Three 2.33 Mil Body Coats And Two 1 Mil Vinyl Finish Coats.....	5.38	
For Up To 100, Add	3.21	
For >100 To 250, Add	1.54	
For >250 To 500, Add	0.67	
09 97 13 23-0137 SF Spray Type 3 Structural Steel 1 Mil Prime, Three 2.33 Mil Body Coats And Two 1 Mil Vinyl Finish Coats.....	5.16	
For Up To 100, Add	3.04	
For >100 To 250, Add	1.46	
For >250 To 500, Add	0.64	
09 97 13 23-0138 SF Spray Small Vessel/Tank 1 Mil Prime, Three 2.33 Mil Body Coats And Two 1 Mil Vinyl Finish Coats	4.98	
For Up To 100, Add	2.93	
For >100 To 250, Add	1.41	
For >250 To 500, Add	0.61	
09 97 13 23-0139 SF Spray Large Vessel/Tank 1 Mil Prime, Three 2.33 Mil Body Coats And Two 1 Mil Vinyl Finish Coats	4.54	
For Up To 100, Add	2.60	
For >100 To 250, Add	1.25	
For >250 To 500, Add	0.55	
09 97 13 23-0140 SF Spray Up To 14" Diameter Pipe 1 Mil Prime, Three 2.33 Mil Body Coats And Two 1 Mil Vinyl Finish Coats.....	8.48	
For Up To 100, Add	5.42	
For >100 To 250, Add	2.58	
For >250 To 500, Add	1.12	
09 97 13 23-0141 SF Spray Tank Interior 1 Mil Prime, Three 2.33 Mil Body Coats And Two 1 Mil Vinyl Finish Coats	7.88	
For Up To 100, Add	5.11	
For >100 To 250, Add	2.42	
For >250 To 500, Add	1.05	
09 97 13 23-0142 1.5 Mil Prime And Two 4 Mil High Build Vinyl Finish Coats For Tanks And Structural Steel (09 97 13 23-0034)		
09 97 13 23-0143 SF Spray Type 1 Structural Steel 1.5 Mil Prime And Two 4 Mil High Build Vinyl Finish Coats.....	3.71	
For Up To 100, Add	2.17	
For >100 To 250, Add	1.04	
For >250 To 500, Add	0.45	
09 97 13 23-0144 SF Spray Type 2 Structural Steel 1.5 Mil Prime And Two 4 Mil High Build Vinyl Finish Coats.....	2.83	
For Up To 100, Add	1.52	
For >100 To 250, Add	0.74	
For >250 To 500, Add	0.32	
09 97 13 23-0145 SF Spray Type 3 Structural Steel 1.5 Mil Prime And Two 4 Mil High Build Vinyl Finish Coats.....	2.69	
For Up To 100, Add	1.41	
For >100 To 250, Add	0.69	
For >250 To 500, Add	0.30	
09 97 13 23-0146 SF Spray Small Vessel/Tank 1.5 Mil Prime And Two 4 Mil High Build Vinyl Finish Coats.....	2.53	
For Up To 100, Add	1.36	
For >100 To 250, Add	0.66	
For >250 To 500, Add	0.29	
09 97 13 23-0147 SF Spray Large Vessel/Tank 1.5 Mil Prime And Two 4 Mil High Build Vinyl Finish Coats	2.21	
For Up To 100, Add	1.12	
For >100 To 250, Add	0.55	
For >250 To 500, Add	0.24	
09 97 13 23-0148 SF Spray Up To 14" Diameter Pipe 1.5 Mil Prime And Two 4 Mil High Build Vinyl Finish Coats.....	4.25	
For Up To 100, Add	2.56	
For >100 To 250, Add	1.23	
For >250 To 500, Add	0.53	
09 97 13 23-0149 SF Spray Tank Interior 1.5 Mil Prime And Two 4 Mil High Build Vinyl Finish Coats	3.95	
For Up To 100, Add	2.42	
For >100 To 250, Add	1.16	
For >250 To 500, Add	0.50	
09 97 13 23-0150 SF Spray Type 1 Structural Steel Two 4 Mil High Build Vinyl Finish Coats.....	2.93	
For Up To 100, Add	1.72	
For >100 To 250, Add	0.83	
For >250 To 500, Add	0.36	
09 97 13 23-0151 SF Spray Type 2 Structural Steel Two 4 Mil High Build Vinyl Finish Coats.....	2.24	
For Up To 100, Add	1.20	
For >100 To 250, Add	0.58	
For >250 To 500, Add	0.26	
09 97 13 23-0152 SF Spray Type 3 Structural Steel Two 4 Mil High Build Vinyl Finish Coats.....	2.12	
For Up To 100, Add	1.11	
For >100 To 250, Add	0.54	
For >250 To 500, Add	0.24	
09 97 13 23-0153 SF Spray Small Vessel/Tank Two 4 Mil High Build Vinyl Finish Coats.....	2.00	
For Up To 100, Add	1.07	
For >100 To 250, Add	0.52	
For >250 To 500, Add	0.23	
09 97 13 23-0154 SF Spray Large Vessel/Tank Two 4 Mil High Build Vinyl Finish Coats.....	1.75	
For Up To 100, Add	0.89	
For >100 To 250, Add	0.44	
For >250 To 500, Add	0.19	



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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 97 13 23-0155 SF Spray Up To 14" Diameter Pipe Two 4 Mil High Build Vinyl Finish Coats.....	3.36	
<i>For Up To 100, Add</i>	2.02	
<i>For >100 To 250, Add</i>	0.97	
<i>For >250 To 500, Add</i>	0.42	
09 97 13 23-0156 SF Spray Tank Interior Two 4 Mil High Build Vinyl Finish Coats.....	3.13	
<i>For Up To 100, Add</i>	1.92	
<i>For >100 To 250, Add</i>	0.92	
<i>For >250 To 500, Add</i>	0.40	
09 97 13 23-0157 Two 8 Mil Coal Tar Epoxy Coats For Tanks And Structural Steel (09 97 13 23-0034)		
09 97 13 23-0158 SF Spray Type 1 Structural Steel Two 8 Mil Coal Tar Epoxy Coats.....	3.27	
<i>For Up To 100, Add</i>	2.10	
<i>For >100 To 250, Add</i>	1.00	
<i>For >250 To 500, Add</i>	0.43	
09 97 13 23-0159 SF Spray Type 2 Structural Steel Two 8 Mil Coal Tar Epoxy Coats.....	2.63	
<i>For Up To 100, Add</i>	1.66	
<i>For >100 To 250, Add</i>	0.79	
<i>For >250 To 500, Add</i>	0.34	
09 97 13 23-0160 SF Spray Type 3 Structural Steel Two 8 Mil Coal Tar Epoxy Coats.....	2.41	
<i>For Up To 100, Add</i>	1.50	
<i>For >100 To 250, Add</i>	0.71	
<i>For >250 To 500, Add</i>	0.31	
09 97 13 23-0161 SF Spray Small Vessel/Tank Two 8 Mil Coal Tar Epoxy Coats.....	2.40	
<i>For Up To 100, Add</i>	1.49	
<i>For >100 To 250, Add</i>	0.71	
<i>For >250 To 500, Add</i>	0.31	
09 97 13 23-0162 SF Spray Large Vessel/Tank Two 8 Mil Coal Tar Epoxy Coats.....	1.96	
<i>For Up To 100, Add</i>	1.16	
<i>For >100 To 250, Add</i>	0.56	
<i>For >250 To 500, Add</i>	0.24	
09 97 13 23-0163 SF Spray Up To 14" Diameter Pipe Two 8 Mil Coal Tar Epoxy Coats.....	4.09	
<i>For Up To 100, Add</i>	2.71	
<i>For >100 To 250, Add</i>	1.28	
<i>For >250 To 500, Add</i>	0.55	
09 97 13 23-0164 SF Spray Tank Interior Two 8 Mil Coal Tar Epoxy Coats.....	3.13	
<i>For Up To 100, Add</i>	2.04	
<i>For >100 To 250, Add</i>	0.97	
<i>For >250 To 500, Add</i>	0.42	
09 97 13 23-0165 One 1 Mil Primer, One 3 Mil Intermediate And One 1 Mil Chlorinated Rubber Finish Coat For Tanks And Structural Steel (09 97 13 23-0034)		
09 97 13 23-0166 SF Spray Type 1 Structural Steel One 1 Mil Primer, One 3 Mil Intermediate And One 1 Mil Chlorinated Rubber Finish Coat.....	3.21	
<i>For Up To 100, Add</i>	2.14	
<i>For >100 To 250, Add</i>	1.01	
<i>For >250 To 500, Add</i>	0.44	
09 97 13 23-0167 SF Spray Type 2 Structural Steel One 1 Mil Primer, One 3 Mil Intermediate And One 1 Mil Chlorinated Rubber Finish Coat.....	2.23	
<i>For Up To 100, Add</i>	1.43	
<i>For >100 To 250, Add</i>	0.68	
<i>For >250 To 500, Add</i>	0.29	
09 97 13 23-0168 SF Spray Type 3 Structural Steel One 1 Mil Primer, One 3 Mil Intermediate And One 1 Mil Chlorinated Rubber Finish Coat.....	1.86	
<i>For Up To 100, Add</i>	1.15	
<i>For >100 To 250, Add</i>	0.55	
<i>For >250 To 500, Add</i>	0.24	
09 97 13 23-0169 SF Spray Small Vessel/Tank One 1 Mil Primer, One 3 Mil Intermediate And One 1 Mil Chlorinated Rubber Finish Coat.....	1.63	
<i>For Up To 100, Add</i>	0.98	
<i>For >100 To 250, Add</i>	0.47	
<i>For >250 To 500, Add</i>	0.20	
09 97 13 23-0170 SF Spray Large Vessel/Tank One 1 Mil Primer, One 3 Mil Intermediate And One 1 Mil Chlorinated Rubber Finish Coat.....	1.49	
<i>For Up To 100, Add</i>	0.88	
<i>For >100 To 250, Add</i>	0.42	
<i>For >250 To 500, Add</i>	0.18	
09 97 13 23-0171 SF Spray Up To 14" Diameter Pipe One 1 Mil Primer, One 3 Mil Intermediate And One 1 Mil Chlorinated Rubber Finish Coat.....	3.67	
<i>For Up To 100, Add</i>	2.47	
<i>For >100 To 250, Add</i>	1.17	
<i>For >250 To 500, Add</i>	0.50	
09 97 13 23-0172 SF Spray Tank Interior One 1 Mil Primer, One 3 Mil Intermediate And One 1 Mil Chlorinated Rubber Finish Coat.....	2.58	
<i>For Up To 100, Add</i>	1.70	
<i>For >100 To 250, Add</i>	0.80	
<i>For >250 To 500, Add</i>	0.35	
09 97 13 23-0173 Two 6 Mil High Build Epoxy Finish Coats For Tanks Interior (09 97 13 23-0034)		
09 97 13 23-0174 SF Spray Small Tank Interior Two 6 Mil High Build Epoxy Finish Coats.....	3.66	
<i>For Up To 100, Add</i>	2.30	
<i>For >100 To 250, Add</i>	1.09	
<i>For >250 To 500, Add</i>	0.47	

09 Finishes**09 90 Painting And Coating****09 97 Special Coatings**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 97 13 23-0175 SF Spray Large Tank Interior Two 6 Mil High Build Epoxy Finish Coats.....	2.13	
For Up To 100, Add	1.19	
For >100 To 250, Add	0.58	
For >250 To 500, Add	0.25	
09 97 13 23-0176 One 3 Mil High Zinc Silicate Coat For Tanks And Structural Steel (09 97 13 23-0034)		
09 97 13 23-0177 SF Spray Type 1 Structural Steel One 3 Mil High Zinc Silicate Coat.....	1.62	
For Up To 100, Add	0.94	
For >100 To 250, Add	0.45	
For >250 To 500, Add	0.20	
09 97 13 23-0178 SF Spray Type 2 Structural Steel One 3 Mil High Zinc Silicate Coat.....	1.14	
For Up To 100, Add	0.61	
For >100 To 250, Add	0.30	
For >250 To 500, Add	0.13	
09 97 13 23-0179 SF Spray Type 3 Structural Steel One 3 Mil High Zinc Silicate Coat.....	1.07	
For Up To 100, Add	0.56	
For >100 To 250, Add	0.27	
For >250 To 500, Add	0.12	
09 97 13 23-0180 SF Spray Small Vessel/Tank One 3 Mil High Zinc Silicate Coat.....	0.99	
For Up To 100, Add	0.50	
For >100 To 250, Add	0.25	
For >250 To 500, Add	0.11	
09 97 13 23-0181 SF Spray Large Vessel/Tank One 3 Mil High Zinc Silicate Coat.....	0.96	
For Up To 100, Add	0.48	
For >100 To 250, Add	0.24	
For >250 To 500, Add	0.10	
09 97 13 23-0182 SF Spray Up To 14" Diameter Pipe One 3 Mil High Zinc Silicate Coat.....	1.70	
For Up To 100, Add	0.99	
For >100 To 250, Add	0.48	
For >250 To 500, Add	0.21	
09 97 13 23-0183 SF Spray Tank Interior One 3 Mil High Zinc Silicate Coat.....	1.63	
For Up To 100, Add	0.98	
For >100 To 250, Add	0.47	
For >250 To 500, Add	0.20	
09 97 13 23-0184 Two 1.5 Mil Vinyl Enamel Finish Coats For Tanks And Structural Steel (09 97 13 23-0034)		
Note: Installed over existing primer.		
09 97 13 23-0185 SF Spray Type 1 Structural Steel Two 1.5 Mil Vinyl Enamel Finish Coats.....	2.57	
For Up To 100, Add	1.61	
For >100 To 250, Add	0.77	
For >250 To 500, Add	0.33	
09 97 13 23-0186 SF Spray Type 2 Structural Steel Two 1.5 Mil Vinyl Enamel Finish Coats.....	2.08	
For Up To 100, Add	1.27	
For >100 To 250, Add	0.61	
For >250 To 500, Add	0.26	
09 97 13 23-0187 SF Spray Type 3 Structural Steel Two 1.5 Mil Vinyl Enamel Finish Coats.....	1.79	
For Up To 100, Add	1.05	
For >100 To 250, Add	0.51	
For >250 To 500, Add	0.22	
09 97 13 23-0188 SF Spray Small Vessel/Tank Two 1.5 Mil Vinyl Enamel Finish Coats.....	1.70	
For Up To 100, Add	0.99	
For >100 To 250, Add	0.48	
For >250 To 500, Add	0.21	
09 97 13 23-0189 SF Spray Large Vessel/Tank Two 1.5 Mil Vinyl Enamel Finish Coats.....	1.49	
For Up To 100, Add	0.84	
For >100 To 250, Add	0.40	
For >250 To 500, Add	0.18	
09 97 13 23-0190 SF Spray Up To 14" Diameter Pipe Two 1.5 Mil Vinyl Enamel Finish Coats.....	3.02	
For Up To 100, Add	1.94	
For >100 To 250, Add	0.92	
For >250 To 500, Add	0.40	
09 97 13 23-0191 SF Spray Tank Interior Two 1.5 Mil Vinyl Enamel Finish Coats.....	2.43	
For Up To 100, Add	1.54	
For >100 To 250, Add	0.73	
For >250 To 500, Add	0.32	
09 97 13 23-0192 One 1 Mil Primer And 95 Mil Hot Coal Tar Enamel Finish Coat For Tanks (09 97 13 23-0034)		
09 97 13 23-0193 SF Spray/Mop Large Vessel/Tank One 1 Mil Primer And 95 Mil Hot Coal Tar Enamel Finish Coat.....	6.48	
For Up To 100, Add	4.28	
For >100 To 250, Add	2.03	
For >250 To 500, Add	0.88	
09 97 26 Cementitious Coatings (09 97)		
09 97 26 13 Interior Cementitious Coatings (09 97 26)		
09 97 26 13-0001 Ceramic-Like Glazed Coating (09 97 26 13)		
09 97 26 13-0002 Ceramic-Like Glazed Coating, Cementitious (09 97 26 13-0001)		
09 97 26 13-0003 SF Ceramic-like Glazed Coating, - Cementitious.....	2.39	



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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 97 26 13-0004 Ceramic-Like Glazed Coating, Resin Base <small>(09 97 26 13-0001)</small>		
09 97 26 13-0005 SF Ceramic-like Glazed Coating - Resin.....	2.00	
09 97 35 Dry Erase Coatings <small>(09 97)</small>		
09 97 35 00-0001 Dry-Erase Paint <small>(09 97 35)</small>		
09 97 35 00-0002 Dry-Erase Paint (IdeaPaint™ PRO) <small>(09 97 35 00-0001)</small>		
09 97 35 00-0003 SF Dry-Erase Paint (IdeaPaint™ PRO), Applied With Roller Note: Includes two coats of primer and white, white sand, light beige or light gray surface.	7.56	
09 97 35 00-0004 Low VOC/Odorless, Dry-Erase Paint (IdeaPaint™ CREATE) <small>(09 97 35 00-0001)</small>		
09 97 35 00-0005 SF Clear, Low VOC/Odorless, Dry-Erase Paint (IdeaPaint™ CREATE), Applied With Roller..... Note: For application over existing latex-based top coats.	3.98	
09 97 35 00-0006 SF Black Or White, Low VOC/Odorless, Dry-Erase Paint (IdeaPaint™ CREATE), Applied With Roller Note: Includes two coats of primer and white or black surface coat.	8.00	
09 97 63 Special Coatings <small>(09 97)</small>		
09 97 63 00-0001 Acrylic Glazed Coating <small>(09 97 63)</small>		
09 97 63 00-0002 SF Acrylic Glazed Coating	1.54	

END OF SECTION 09

09	09	Finishes
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MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

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Specialties	10	10
Information Specialties	10 10	
Visual Display Units	10 11	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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10 Specialties

10 10 Information Specialties ⁽¹⁰⁾

10 11 Visual Display Units ^(10 10)

10 11 13 Chalkboards ^(10 11)

10 11 13 13 Fixed Chalkboards ^(10 11 13)

Note: Select task based off the square footage of an individual chalkboard. For example use the >12 To 16 SF range for each 3' x 5' chalkboard.

10 11 13 13-0001	SF	Up To 6 SF, 5/8" Face Aluminum Frame, Porcelain Enamel Steel Chalkboard.....	42.30	7.69
10 11 13 13-0004	SF	>6 To 12 SF, 5/8" Face Aluminum Frame, Porcelain Enamel Steel Chalkboard.....	27.23	3.62
10 11 13 13-0005	SF	>12 To 16 SF, 5/8" Face Aluminum Frame, Porcelain Enamel Steel Chalkboard.....	23.55	3.12
10 11 13 13-0006	SF	>16 To 24 SF, 5/8" Face Aluminum Frame, Porcelain Enamel Steel Chalkboard.....	19.62	2.03
10 11 13 13-0007	SF	>24 SF, 5/8" Face Aluminum Frame, Porcelain Enamel Steel Chalkboard.....	16.49	1.13
10 11 13 13-0008		1-1/4" Face Aluminum Frame, Porcelain Enamel Steel Chalkboards (Claridge 1300 Series) ^(10 11 13 13-0001)		
		Note: Includes up to 1/2" core material, aluminum backing, full length map rail, map hooks, chalk tray and mounting hardware.		
10 11 13 13-0009	SF	Up To 6 SF, 1-1/4" Face Aluminum Frame, Porcelain Enamel Steel Chalkboard.....	44.80	7.69
10 11 13 13-0010	SF	>6 To 12 SF, 1-1/4" Face Aluminum Frame, Porcelain Enamel Steel Chalkboard.....	29.67	3.62
10 11 13 13-0011	SF	>12 To 16 SF, 1-1/4" Face Aluminum Frame, Porcelain Enamel Steel Chalkboard.....	25.79	3.12
10 11 13 13-0012	SF	>16 To 24 SF, 1-1/4" Face Aluminum Frame, Porcelain Enamel Steel Chalkboard.....	22.34	2.03
10 11 13 13-0013	SF	>24 SF, 1-1/4" Face Aluminum Frame, Porcelain Enamel Steel Chalkboard.....	19.16	1.13
10 11 13 13-0014		1-3/4" Face Wood Frame, Porcelain Enamel Steel Chalkboards (Claridge 1600 Series) ^(10 11 13 13-0001)		
		Note: Includes up to 1/2" core material, aluminum backing, chalk tray and mounting hardware.		
10 11 13 13-0015	SF	Up To 6 SF, 1-3/4" Face Wood Frame, Porcelain Enamel Steel Chalkboard.....	40.76	7.69
10 11 13 13-0016	SF	>6 To 12 SF, 1-3/4" Face Wood Frame, Porcelain Enamel Steel Chalkboard.....	25.66	3.62
10 11 13 13-0017	SF	>12 To 16 SF, 1-3/4" Face Wood Frame, Porcelain Enamel Steel Chalkboard.....	22.04	3.12
10 11 13 13-0018	SF	>16 To 24 SF, 1-3/4" Face Wood Frame, Porcelain Enamel Steel Chalkboard.....	18.36	2.03
10 11 13 13-0019	SF	>24 SF, 1-3/4" Face Wood Frame, Porcelain Enamel Steel Chalkboard.....	15.08	1.13
10 11 13 13-0020		Remove And Reinstall ^(10 11 13 13)		
10 11 13 13-0021	SF	Removal And Reinstallation Of Chalkboard.....	9.48	
10 11 13 13-0022		Field Applied Chalkboard And Accessories ^(10 11 13 13)		
10 11 13 13-0023		Chalkboard Face Sheets And Panels ^(10 11 13 13-0022)		
10 11 13 13-0024	SF	Porcelain Enamel Steel Chalkboard Face Sheet (Claridge Vitracite).....	13.96	3.62
		Note: Includes porcelain enamel steel chalkboard skin.		
10 11 13 13-0025	SF	Porcelain Enamel Steel Chalkboard Panel (Claridge VIT).....	16.74	3.62
		Note: Includes porcelain enamel steel surface mounted on either particle board or hardboard core with an aluminum moisture barrier back.		
10 11 13 13-0026		Chalkboard And Markerboard Accessory Trays And Trim ^(10 11 13 13-0022)		
10 11 13 13-0027	LF	Chalk And Marker Tray, Field Applied.....	15.79	4.97
10 11 13 13-0028	PR	Chalk And Marker Tray End Closures, Field Applied.....	22.57	9.04
10 11 13 13-0029	LF	Mullion Trim For Chalkboards And Markerboards, Field Applied.....	11.86	4.97
10 11 13 13-0030	LF	Screw On Trim For Chalkboards And Markerboards, Field Applied.....	12.16	4.97
10 11 13 13-0031	LF	1/2" Leg Map Rail For Chalkboards And Markerboards, Field Applied.....	13.07	4.97
10 11 13 13-0032	LF	1/4" Leg Map Rail For Chalkboards And Markerboards, Field Applied.....	13.82	4.97
10 11 13 13-0033	LF	No Leg Map Rail For Chalkboards And Markerboards, Field Applied.....	12.63	4.97
10 11 13 33		Rail-Mounted Chalkboards ^(10 11 13)		
10 11 13 33-0001		Horizontal Sliding, Porcelain Enamel Steel Chalkboards (Claridge HS Series) ^(10 11 13 33)		
10 11 13 33-0002		Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboards ^(10 11 13 33-0001)		
10 11 13 33-0003	EA	4' x 6' Frame, Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard.....	1,985.27	90.43
10 11 13 33-0004	EA	4' x 8' Frame, Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard.....	2,230.48	90.43



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 11 13 33-0005 EA 4' x 10' Frame, Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard.....	2,527.14	96.31
10 11 13 33-0006 EA 4' x 12' Frame, Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard.....	2,812.04	96.31
10 11 13 33-0007 EA 4' x 14' Frame, Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard.....	3,506.42	103.54
10 11 13 33-0008 EA 4' x 16' Frame, Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard.....	3,733.67	103.54
10 11 13 33-0009 EA 4' x 20' Frame, Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard.....	4,219.86	108.51
10 11 13 33-0010 EA 4' x 24' Frame, Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard.....	4,783.99	108.51
10 11 13 33-0011 Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboards ^(10 11 13 33-0001)		
10 11 13 33-0012 EA 4' x 6' Frame, Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard.....	2,716.70	90.43
10 11 13 33-0013 EA 4' x 8' Frame, Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard.....	3,224.62	90.43
10 11 13 33-0014 EA 4' x 10' Frame, Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard.....	3,691.38	96.31
10 11 13 33-0015 EA 4' x 12' Frame, Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard.....	4,157.72	96.31
10 11 13 33-0016 EA 4' x 14' Frame, Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard.....	4,740.59	103.54
10 11 13 33-0017 EA 4' x 16' Frame, Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard.....	4,946.10	103.54
10 11 13 33-0018 EA 4' x 20' Frame, Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard.....	5,801.79	108.51
10 11 13 33-0019 EA 4' x 24' Frame, Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard.....	6,487.82	108.51
10 11 13 33-0020 Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboards ^(10 11 13 33-0001)		
10 11 13 33-0021 EA 4' x 6' Frame, Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard.....	3,028.55	90.43
10 11 13 33-0022 EA 4' x 8' Frame, Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard.....	3,443.86	90.43
10 11 13 33-0023 EA 4' x 10' Frame, Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard.....	3,892.66	96.31
10 11 13 33-0024 EA 4' x 12' Frame, Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard.....	4,369.40	96.31
10 11 13 33-0025 EA 4' x 14' Frame, Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard.....	5,292.47	103.54
10 11 13 33-0026 EA 4' x 16' Frame, Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard.....	5,511.21	103.54
10 11 13 33-0027 EA 4' x 20' Frame, Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard.....	6,509.60	108.51
10 11 13 33-0028 EA 4' x 24' Frame, Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard.....	7,268.92	108.51
10 11 13 33-0029 Vertical Sliding, Porcelain Enamel Steel Chalkboards (Claridge TW Series) ^(10 11 13 33)		
10 11 13 33-0030 One Sliding Panel, Vertical Sliding, Porcelain Enamel Steel Chalkboards ^(10 11 13 33-0029)		
10 11 13 33-0031 EA 8' x 4' Frame, One Sliding Panel, Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	2,375.06	90.43
10 11 13 33-0032 EA 8' x 5' Frame, One Sliding Panel, Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	2,622.16	90.43
10 11 13 33-0033 EA 8' x 6' Frame, One Sliding Panel, Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	2,867.79	96.31
10 11 13 33-0034 EA 8' x 8' Frame, One Sliding Panel, Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	3,296.78	96.31
10 11 13 33-0035 EA 8' x 10' Frame, One Sliding Panel, Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	3,611.73	103.54
10 11 13 33-0036 EA 8' x 12' Frame, One Sliding Panel, Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	4,007.64	103.54
10 11 13 33-0037 Two Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Chalkboards ^(10 11 13 33-0029)		
10 11 13 33-0038 EA 8' x 4' Frame, Two Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	3,488.20	90.43
10 11 13 33-0039 EA 8' x 5' Frame, Two Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	3,871.83	90.43
10 11 13 33-0040 EA 8' x 6' Frame, Two Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	4,255.88	96.31
10 11 13 33-0041 EA 8' x 8' Frame, Two Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	4,961.72	96.31
10 11 13 33-0042 EA 8' x 10' Frame, Two Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	5,400.42	103.54
10 11 13 33-0043 EA 8' x 12' Frame, Two Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	6,041.06	103.54
10 11 13 33-0044 Three Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Chalkboards ^(10 11 13 33-0029)		
10 11 13 33-0045 EA 8' x 4' Frame, Three Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	4,766.71	90.43
10 11 13 33-0046 EA 8' x 5' Frame, Three Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	5,289.71	90.43
10 11 13 33-0047 EA 8' x 6' Frame, Three Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	5,813.13	96.31
10 11 13 33-0048 EA 8' x 8' Frame, Three Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	6,794.87	96.31
10 11 13 33-0049 EA 8' x 10' Frame, Three Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	7,368.67	103.54
10 11 13 33-0050 EA 8' x 12' Frame, Three Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	8,271.03	103.54
10 11 13 33-0051 Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboards (Claridge MO Series) ^(10 11 13 33)		
Note: Excludes remotes.		
10 11 13 33-0052 One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboards ^(10 11 13 33-0051)		
10 11 13 33-0053 EA 10' x 4' Frame, One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	7,642.37	180.85
10 11 13 33-0054 EA 10' x 5' Frame, One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	7,861.23	180.85
10 11 13 33-0055 EA 10' x 6' Frame, One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	8,104.63	186.51
10 11 13 33-0056 EA 10' x 8' Frame, One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	8,505.50	186.51
10 11 13 33-0057 EA 10' x 10' Frame, One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	8,947.90	192.16
10 11 13 33-0058 EA 10' x 12' Frame, One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	9,334.59	192.16
10 11 13 33-0059 EA 10' x 14' Frame, One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	10,174.83	203.46
10 11 13 33-0060 EA 10' x 16' Frame, One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	10,281.80	203.46



Specialties	10
Information Specialties	10 10
Visual Display Units	10 11

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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10 11 13 33-0061	Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboards <small>(10 11 13 33-0051)</small>		
10 11 13 33-0062	EA 10' x 4' Frame, Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	12,033.22	180.85
10 11 13 33-0063	EA 10' x 5' Frame, Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	12,322.57	180.85
10 11 13 33-0064	EA 10' x 6' Frame, Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	12,644.98	186.51
10 11 13 33-0065	EA 10' x 8' Frame, Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	13,234.09	186.51
10 11 13 33-0066	EA 10' x 10' Frame, Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	13,819.37	192.16
10 11 13 33-0067	EA 10' x 12' Frame, Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	14,379.19	192.16
10 11 13 33-0068	EA 10' x 14' Frame, Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	15,514.46	203.46
10 11 13 33-0069	EA 10' x 16' Frame, Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	15,683.99	203.46

10 11 13 33-0070	Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboards <small>(10 11 13 33-0051)</small>		
10 11 13 33-0071	EA 10' x 4' Frame, Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	15,638.77	180.85
10 11 13 33-0072	EA 10' x 5' Frame, Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	16,369.07	180.85
10 11 13 33-0073	EA 10' x 6' Frame, Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	16,755.35	186.51
10 11 13 33-0074	EA 10' x 8' Frame, Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	17,521.37	186.51
10 11 13 33-0075	EA 10' x 10' Frame, Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	18,326.08	192.16
10 11 13 33-0076	EA 10' x 12' Frame, Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	19,100.60	192.16
10 11 13 33-0077	EA 10' x 14' Frame, Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	20,627.28	203.46
10 11 13 33-0078	EA 10' x 16' Frame, Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	20,925.53	203.46

10 11 13 33-0079	Sliding Chalkboard And Markerboard Accessories <small>(10 11 13 33)</small>		
10 11 13 33-0080	EA One Sliding Panel, Remote Control For Motor Operated Sliding Chalkboard Or Markerboard.....	575.10	
10 11 13 33-0081	EA Two Sliding Panel, Remote Control For Motor Operated Sliding Chalkboard Or Markerboard.....	982.39	

10 11 16 Markerboards (10 11)

10 11 16 13 Fixed Markerboards (10 11 16)

Note: Select task based off the square footage of an individual markerboard. For example use the >12 To 16 SF range for each 3' x 5' markerboard.

10 11 16 13-0001	Porcelain Enamel Steel Markerboards <small>(10 11 16 13)</small>		
10 11 16 13-0002	5/8" Face Aluminum Frame, Porcelain Enamel Steel Markerboards (Claridge 800 Series) <small>(10 11 16 13-0001)</small>		
	Note: Includes up to 1/2" core material, aluminum backing, full length map rail, map hooks, marker tray and mounting hardware.		
10 11 16 13-0003	SF Up To 6 SF, 5/8" Face Aluminum Frame, Porcelain Enamel Steel Markerboard.....	42.46	7.69
10 11 16 13-0004	SF >6 To 12 SF, 5/8" Face Aluminum Frame, Porcelain Enamel Steel Markerboard.....	27.78	3.62
10 11 16 13-0005	SF >12 To 16 SF, 5/8" Face Aluminum Frame, Porcelain Enamel Steel Markerboard.....	23.55	3.12
10 11 16 13-0006	SF >16 To 24 SF, 5/8" Face Aluminum Frame, Porcelain Enamel Steel Markerboard.....	19.82	2.03
10 11 16 13-0007	SF >24 SF, 5/8" Face Aluminum Frame, Porcelain Enamel Steel Markerboard.....	16.27	1.13

10 11 16 13-0008	1-1/4" Face Aluminum Frame, Porcelain Enamel Steel Markerboards (Claridge 1300 Series) <small>(10 11 16 13-0001)</small>		
	Note: Includes up to 1/2" core material, aluminum backing, full length map rail, map hooks, marker tray and mounting hardware.		
10 11 16 13-0009	SF Up To 6 SF, 1-1/4" Face Aluminum Frame, Porcelain Enamel Steel Markerboard.....	44.83	7.69
10 11 16 13-0010	SF >6 To 12 SF, 1-1/4" Face Aluminum Frame, Porcelain Enamel Steel Markerboard.....	28.49	3.62
10 11 16 13-0011	SF >12 To 16 SF, 1-1/4" Face Aluminum Frame, Porcelain Enamel Steel Markerboard.....	24.61	3.12
10 11 16 13-0012	SF >16 To 24 SF, 1-1/4" Face Aluminum Frame, Porcelain Enamel Steel Markerboard.....	21.16	2.03
10 11 16 13-0013	SF >24 SF, 1-1/4" Face Aluminum Frame, Porcelain Enamel Steel Markerboard.....	18.46	1.13

10 11 16 13-0014	1-3/4" Face Wood Frame, Porcelain Enamel Steel Markerboards (Claridge LCS Series) <small>(10 11 16 13-0001)</small>		
	Note: Includes up to 1/2" core material, aluminum backing, marker tray and mounting hardware.		
10 11 16 13-0015	SF Up To 6 SF, 1-3/4" Face Wood Frame, Porcelain Enamel Steel Markerboard.....	40.74	7.69
10 11 16 13-0016	SF >6 To 12 SF, 1-3/4" Face Wood Frame, Porcelain Enamel Steel Markerboard.....	25.67	3.62
10 11 16 13-0017	SF >12 To 16 SF, 1-3/4" Face Wood Frame, Porcelain Enamel Steel Markerboard.....	23.19	3.12
10 11 16 13-0018	SF >16 To 24 SF, 1-3/4" Face Wood Frame, Porcelain Enamel Steel Markerboard.....	18.48	2.03
10 11 16 13-0019	SF >24 SF, 1-3/4" Face Wood Frame, Porcelain Enamel Steel Markerboard.....	14.82	1.13

10 11 16 13-0020	Melamine Markerboards <small>(10 11 16 13)</small>		
10 11 16 13-0021	1-1/4" Face Aluminum Frame, Melamine Markerboard (Claridge MLC Series) <small>(10 11 16 13-0020)</small>		
	Note: Includes full length map rail, map hooks, marker tray and mounting hardware.		
10 11 16 13-0022	SF Up To 6 SF, 1-1/4" Face Aluminum Frame, Melamine Markerboard.....	33.48	7.69
10 11 16 13-0023	SF >6 To 12 SF, 1-1/4" Face Aluminum Frame, Melamine Markerboard.....	20.66	3.62
10 11 16 13-0024	SF >12 To 16 SF, 1-1/4" Face Aluminum Frame, Melamine Markerboard.....	17.93	3.12
10 11 16 13-0025	SF >16 To 24 SF, 1-1/4" Face Aluminum Frame, Melamine Markerboard.....	13.52	2.03
10 11 16 13-0026	SF >24 SF, 1-1/4" Face Aluminum Frame, Melamine Markerboard.....	11.04	1.13

10	10	Specialties
	10 10	Information Specialties
	10 11	Visual Display Units



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 11 16 13-0027 1-3/4" Face Wood Frame, Melamine Markerboard (Claridge MLC Series) ⁽¹⁰⁾ <small>^{11 16 13-0020} Note: Includes marker tray and mounting hardware.</small>		
10 11 16 13-0028 SF Up To 6 SF, 1-3/4" Face Wood Frame, Melamine Markerboard.....	32.68	7.69
10 11 16 13-0029 SF >6 To 12 SF, 1-3/4" Face Wood Frame, Melamine Markerboard	20.29	3.62
10 11 16 13-0030 SF >12 To 16 SF, 1-3/4" Face Wood Frame, Melamine Markerboard	17.40	3.12
10 11 16 13-0031 SF >16 To 24 SF, 1-3/4" Face Wood Frame, Melamine Markerboard	12.57	2.03
10 11 16 13-0032 SF >24 SF, 1-3/4" Face Wood Frame, Melamine Markerboard	10.17	1.13
10 11 16 13-0033 Nonporous, Non-Staining Markerboards ^(10 11 16 13)		
10 11 16 13-0034 5/8" Face Aluminum Frame, Nonporous, Non-Staining Markerboards (EverWhite Classic Series) ^(10 11 16 13-0033) <small>Note: Includes non-staining permanent marker resistant surface, non-magnetic surface, marker tray and mounting hardware.</small>		
10 11 16 13-0035 SF Up To 6 SF, 5/8" Face Aluminum Frame, Nonporous, Non-Staining Markerboard.....	33.17	7.69
For Magnetic Surface, Add	1.78	
10 11 16 13-0036 SF >6 To 12 SF, 5/8" Face Aluminum Frame, Nonporous, Non-Staining Markerboard	20.78	3.62
For Magnetic Surface, Add	1.36	
10 11 16 13-0037 SF >12 To 16 SF, 5/8" Face Aluminum Frame, Nonporous, Non-Staining Markerboard	17.92	3.12
For Magnetic Surface, Add	1.17	
10 11 16 13-0038 SF >16 To 24 SF, 5/8" Face Aluminum Frame, Nonporous, Non-Staining Markerboard	15.29	2.03
For Magnetic Surface, Add	1.12	
10 11 16 13-0039 SF >24 SF, 5/8" Face Aluminum Frame, Nonporous, Non-Staining Markerboard	12.73	1.13
For Magnetic Surface, Add	1.05	
10 11 16 13-0040 1-1/8" Face Aluminum Frame, Nonporous, Non-Staining Markerboards (EverWhite Classic Series) ^(10 11 16 13-0033) <small>Note: Includes non-staining permanent marker resistant surface, non-magnetic surface, marker tray and mounting hardware.</small>		
10 11 16 13-0041 SF Up To 6 SF, 1-1/8" Face Aluminum Frame, Nonporous, Non-Staining Markerboard.....	33.17	7.69
For Magnetic Surface, Add	1.78	
10 11 16 13-0042 SF >6 To 12 SF, 1-1/8" Face Aluminum Frame, Nonporous, Non-Staining Markerboard	20.78	3.62
For Magnetic Surface, Add	1.36	
10 11 16 13-0043 SF >12 To 16 SF, 1-1/8" Face Aluminum Frame, Nonporous, Non-Staining Markerboard	17.92	3.12
For Magnetic Surface, Add	1.17	
10 11 16 13-0044 SF >16 To 24 SF, 1-1/8" Face Aluminum Frame, Nonporous, Non-Staining Markerboard	15.29	2.03
For Magnetic Surface, Add	1.12	
10 11 16 13-0045 SF >24 SF, 1-1/8" Face Aluminum Frame, Nonporous, Non-Staining Markerboard	12.73	1.13
For Magnetic Surface, Add	1.05	
10 11 16 13-0046 1-1/4" Face Wood Frame, Nonporous, Non-Staining Markerboards (EverWhite Classic Series) ^(10 11 16 13-0033) <small>Note: Includes non-staining permanent marker resistant surface, non-magnetic surface, marker tray and mounting hardware.</small>		
10 11 16 13-0047 SF Up To 6 SF, 1-1/4" Face Wood Frame, Nonporous, Non-Staining Markerboard	55.23	7.69
For Magnetic Surface, Add	3.99	
10 11 16 13-0048 SF >6 To 12 SF, 1-1/4" Face Wood Frame, Nonporous, Non-Staining Markerboard	34.03	3.62
For Magnetic Surface, Add	2.68	
10 11 16 13-0049 SF >12 To 16 SF, 1-1/4" Face Wood Frame, Nonporous, Non-Staining Markerboard	28.81	3.12
For Magnetic Surface, Add	2.26	
10 11 16 13-0050 SF >16 To 24 SF, 1-1/4" Face Wood Frame, Nonporous, Non-Staining Markerboard	23.90	2.03
For Magnetic Surface, Add	1.98	
10 11 16 13-0051 SF >24 SF, 1-1/4" Face Wood Frame, Nonporous, Non-Staining Markerboard	18.22	1.13
For Magnetic Surface, Add	1.60	
10 11 16 13-0052 Nonporous, Non-Staining Markerboard Resurfacing Panels (EverWhite EverEZ Resurfacing Panels) ^(10 11 16 13-0033) <small>Note: Includes non-staining, permanent marker resistant, magnetic dry erase surface. Excludes frame. Resurfacing panel for mounting to existing chalkboard or markerboard consists of dry erase surface, 24-gauge treated steel interlayer and pressure-sensitive adhesive backing.</small>		
10 11 16 13-0053 SF Up To 16 SF, Nonporous, Non-Staining Markerboard Resurfacing Panel With Pressure-Sensitive Adhesive Backing.....	14.66	3.12
10 11 16 13-0054 SF >16 To 24 SF, Nonporous, Non-Staining Markerboard Resurfacing Panel With Pressure-Sensitive Adhesive Backing.....	12.05	2.03
10 11 16 13-0055 SF >24 SF, Nonporous, Non-Staining Markerboard Resurfacing Panel With Pressure-Sensitive Adhesive Backing.....	9.70	1.13
10 11 16 13-0056 Remove And Reinstall Markerboard ^(10 11 16 13)		
10 11 16 13-0057 EA Up To 6 SF, Removal And Reinstallation Of Markerboard.....	54.26	
10 11 16 13-0058 EA >6 To 12 SF, Removal And Reinstallation Of Markerboard	63.30	
10 11 16 13-0059 EA >12 To 16 SF, Removal And Reinstallation Of Markerboard	72.35	
10 11 16 13-0060 EA >16 To 24 SF, Removal And Reinstallation Of Markerboard	81.39	
10 11 16 13-0061 EA >24 SF, Removal And Reinstallation Of Markerboard	90.43	



Specialties	10	10
Information Specialties	10 10	
Visual Display Units	10 11	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 11 16 13-0062	Field Applied Markerboard And Accessories <small>(10 11 16 13)</small>	
10 11 16 13-0063	Markerboard Face Sheets And Panels <small>(10 11 16 13-0062)</small>	
10 11 16 13-0064	SF Porcelain Enamel Steel Markerboard Face Sheet (Claridge LCS) 13.74	3.62
	Note: Includes porcelain enamel steel markerboard skin backed with double sided tape.	
10 11 16 13-0065	SF Porcelain Enamel Steel Markerboard Face Sheet With Double Sided Tape (Claridge LCS EZ Stick) 16.23	3.62
	Note: Includes porcelain enamel steel markerboard skin backed with double sided tape.	
10 11 16 13-0066	SF Porcelain Enamel Steel Markerboard Panel (Claridge LCS)..... 16.17	3.62
	Note: Includes porcelain enamel steel surface mounted on either 3/8" particle board or 1/4" hardboard core with an aluminum moisture barrier back.	
10 11 16 13-0067	SF Melamine Markerboard Panel (Claridge 1032) 9.22	3.62
	Note: Includes 1/4" thick melamine panel.	
10 11 16 13-0068	Chalkboard And Markerboard Accessory Trays And Trim <small>(10 11 16 13-0062)</small>	
	See CSI section 10 11 13 13-0026 for chalkboard and markerboard accessory trays and trim.	
10 11 16 33	Rail-Mounted Markerboards <small>(10 11 16)</small>	
10 11 16 33-0001	Horizontal Sliding, Porcelain Enamel Steel Markerboards (Claridge HS Series) <small>(10 11 16 33)</small>	
10 11 16 33-0002	Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboards <small>(10 11 16 33-0001)</small>	
10 11 16 33-0003	EA 4' x 6' Frame, Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard..... 1,961.23	90.43
10 11 16 33-0004	EA 4' x 8' Frame, Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard..... 2,198.43	90.43
10 11 16 33-0005	EA 4' x 10' Frame, Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard..... 2,487.07	96.31
10 11 16 33-0006	EA 4' x 12' Frame, Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard..... 2,763.95	96.31
10 11 16 33-0007	EA 4' x 14' Frame, Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard..... 3,450.32	103.54
10 11 16 33-0008	EA 4' x 16' Frame, Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard..... 3,669.56	103.54
10 11 16 33-0009	EA 4' x 20' Frame, Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard..... 4,139.73	108.51
10 11 16 33-0010	EA 4' x 24' Frame, Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard..... 4,687.83	108.51
10 11 16 33-0011	Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboards <small>(10 11 16 33-0001)</small>	
10 11 16 33-0012	EA 4' x 6' Frame, Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard 2,692.66	90.43
10 11 16 33-0013	EA 4' x 8' Frame, Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard 3,192.57	90.43
10 11 16 33-0014	EA 4' x 10' Frame, Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard 3,651.31	96.31
10 11 16 33-0015	EA 4' x 12' Frame, Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard 4,109.63	96.31
10 11 16 33-0016	EA 4' x 14' Frame, Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard 4,684.49	103.54
10 11 16 33-0017	EA 4' x 16' Frame, Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard 4,882.00	103.54
10 11 16 33-0018	EA 4' x 20' Frame, Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard 5,721.65	108.51
10 11 16 33-0019	EA 4' x 24' Frame, Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard 6,391.66	108.51
10 11 16 33-0020	Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboards <small>(10 11 16 33-0001)</small>	
10 11 16 33-0021	EA 4' x 6' Frame, Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard..... 3,004.51	90.43
10 11 16 33-0022	EA 4' x 8' Frame, Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard 3,411.81	90.43
10 11 16 33-0023	EA 4' x 10' Frame, Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard 3,852.59	96.31
10 11 16 33-0024	EA 4' x 12' Frame, Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard 4,321.31	96.31
10 11 16 33-0025	EA 4' x 14' Frame, Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard 5,236.37	103.54
10 11 16 33-0026	EA 4' x 16' Frame, Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard 5,447.10	103.54
10 11 16 33-0027	EA 4' x 20' Frame, Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard 6,429.46	108.51
10 11 16 33-0028	EA 4' x 24' Frame, Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard 7,196.80	108.51
10 11 16 33-0029	Vertical Sliding, Porcelain Enamel Steel Markerboards (Claridge TW Series) <small>(10 11 16 33)</small>	
10 11 16 33-0030	One Sliding Panel, Vertical Sliding, Porcelain Enamel Steel Markerboards <small>(10 11 16 33-0029)</small>	
10 11 16 33-0031	EA 8' x 4' Frame, One Sliding Panel, Vertical Sliding, Porcelain Enamel Steel Markerboard..... 2,343.01	90.43
10 11 16 33-0032	EA 8' x 5' Frame, One Sliding Panel, Vertical Sliding, Porcelain Enamel Steel Markerboard..... 2,582.09	90.43
10 11 16 33-0033	EA 8' x 6' Frame, One Sliding Panel, Vertical Sliding, Porcelain Enamel Steel Markerboard..... 2,819.71	96.31
10 11 16 33-0034	EA 8' x 8' Frame, One Sliding Panel, Vertical Sliding, Porcelain Enamel Steel Markerboard..... 3,232.67	96.31
10 11 16 33-0035	EA 8' x 10' Frame, One Sliding Panel, Vertical Sliding, Porcelain Enamel Steel Markerboard..... 3,531.59	103.54
10 11 16 33-0036	EA 8' x 12' Frame, One Sliding Panel, Vertical Sliding, Porcelain Enamel Steel Markerboard..... 3,911.48	103.54
10 11 16 33-0037	Two Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Markerboards <small>(10 11 16 33-0029)</small>	
10 11 16 33-0038	EA 8' x 4' Frame, Two Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Markerboard..... 3,424.09	90.43
10 11 16 33-0039	EA 8' x 5' Frame, Two Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Markerboard..... 3,791.69	90.43
10 11 16 33-0040	EA 8' x 6' Frame, Two Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Markerboard..... 4,159.72	96.31
10 11 16 33-0041	EA 8' x 8' Frame, Two Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Markerboard..... 4,833.51	96.31
10 11 16 33-0042	EA 8' x 10' Frame, Two Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Markerboard..... 5,240.15	103.54
10 11 16 33-0043	EA 8' x 12' Frame, Two Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Markerboard..... 5,848.73	103.54



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

10 11 16 33-0044		Three Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Markerboards <small>(10 11 16 33-0029)</small>		
10 11 16 33-0045	EA	8' x 4' Frame, Three Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Markerboard	4,670.55	90.43
10 11 16 33-0046	EA	8' x 5' Frame, Three Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Markerboard	5,169.51	90.43
10 11 16 33-0047	EA	8' x 6' Frame, Three Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Markerboard	5,668.89	96.31
10 11 16 33-0048	EA	8' x 8' Frame, Three Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Markerboard	6,602.55	96.31
10 11 16 33-0049	EA	8' x 10' Frame, Three Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Markerboard	7,128.26	103.54
10 11 16 33-0050	EA	8' x 12' Frame, Three Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Markerboard	7,982.54	103.54
10 11 16 33-0051		Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboards (Claridge MO Series) <small>(10 11 16 33)</small> Note: Excludes remotes.		
10 11 16 33-0052		One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboards <small>(10 11 16 33-0051)</small>		
10 11 16 33-0053	EA	10' x 4' Frame, One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard.....	7,602.30	180.85
10 11 16 33-0054	EA	10' x 5' Frame, One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard.....	7,811.15	180.85
10 11 16 33-0055	EA	10' x 6' Frame, One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard.....	8,044.53	186.51
10 11 16 33-0056	EA	10' x 8' Frame, One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard.....	8,425.36	186.51
10 11 16 33-0057	EA	10' x 10' Frame, One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard.....	8,847.73	192.16
10 11 16 33-0058	EA	10' x 12' Frame, One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard.....	9,214.39	192.16
10 11 16 33-0059	EA	10' x 14' Frame, One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard.....	10,034.59	203.46
10 11 16 33-0060	EA	10' x 16' Frame, One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard.....	10,121.53	203.46
10 11 16 33-0061		Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboards <small>(10 11 16 33-0051)</small>		
10 11 16 33-0062	EA	10' x 4' Frame, Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard.....	11,953.08	180.85
10 11 16 33-0063	EA	10' x 5' Frame, Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard.....	12,222.41	180.85
10 11 16 33-0064	EA	10' x 6' Frame, Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard.....	12,524.78	186.51
10 11 16 33-0065	EA	10' x 8' Frame, Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard.....	13,073.82	186.51
10 11 16 33-0066	EA	10' x 10' Frame, Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard.....	13,619.03	192.16
10 11 16 33-0067	EA	10' x 12' Frame, Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard.....	14,138.79	192.16
10 11 16 33-0068	EA	10' x 14' Frame, Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard.....	15,233.98	203.46
10 11 16 33-0069	EA	10' x 16' Frame, Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard.....	15,363.45	203.46
10 11 16 33-0070		Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboards <small>(10 11 16 33-0051)</small>		
10 11 16 33-0071	EA	10' x 4' Frame, Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard	15,518.57	180.85
10 11 16 33-0072	EA	10' x 5' Frame, Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard	16,218.81	180.85
10 11 16 33-0073	EA	10' x 6' Frame, Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard	16,575.04	186.51
10 11 16 33-0074	EA	10' x 8' Frame, Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard	17,280.96	186.51
10 11 16 33-0075	EA	10' x 10' Frame, Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard	18,025.57	192.16
10 11 16 33-0076	EA	10' x 12' Frame, Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard	18,739.99	192.16
10 11 16 33-0077	EA	10' x 14' Frame, Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard	20,206.57	203.46
10 11 16 33-0078	EA	10' x 16' Frame, Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard	20,444.71	203.46
10 11 16 33-0079		Sliding Chalkboard And Markerboard Accessories <small>(10 11 16 33)</small> See CSI section 10 11 13 33-0079 for sliding chalkboard and markerboard accessories.		
10 11 23		Tackboards <small>(10 11)</small>		
10 11 23 13		Fixed Tackboards <small>(10 11 23)</small> Note: Select task based off the square footage of an individual tackboard. For example use the >12 To 16 SF range for each 3' x 5' tackboard.		
10 11 23 13-0001		Fixed Tackboards <small>(10 11 23 13)</small> Note: Select task based off the square footage of an individual tackboard. For example use the >12 To 16 SF range for each 3' x 5' tackboard.		
10 11 23 13-0002		Cork Surface, Fixed Tackboards <small>(10 11 23 13-0001)</small> Note: Includes up to 1/4" cork surface, unmounted or mounted on duracore or hardboard.		
10 11 23 13-0003		5/8" Face Aluminum Frame, Cork Surface, Fixed Tackboards (Claridge 800 Series) <small>(10 11 23 13-0002)</small>		
10 11 23 13-0004	SF	Up To 6 SF, 5/8" Face Aluminum Frame, Cork Surface, Fixed Tackboard.....	28.05	7.69
10 11 23 13-0005	SF	>6 To 12 SF, 5/8" Face Aluminum Frame, Cork Surface, Fixed Tackboard	16.05	3.62
10 11 23 13-0006	SF	>12 To 16 SF, 5/8" Face Aluminum Frame, Cork Surface, Fixed Tackboard	13.92	3.12
10 11 23 13-0007	SF	>16 To 24 SF, 5/8" Face Aluminum Frame, Cork Surface, Fixed Tackboard	11.16	2.03
10 11 23 13-0008	SF	>24 SF, 5/8" Face Aluminum Frame, Cork Surface, Fixed Tackboard	9.17	1.13
10 11 23 13-0009		1-1/4" Face Aluminum Frame, Cork Surface, Fixed Tackboards (Claridge 900A Series) <small>(10 11 23 13-0002)</small>		
10 11 23 13-0010	SF	Up To 6 SF, 1-1/4" Face Aluminum Frame, Cork Surface, Fixed Tackboard.....	29.55	7.69
10 11 23 13-0011	SF	>6 To 12 SF, 1-1/4" Face Aluminum Frame, Cork Surface, Fixed Tackboard	16.74	3.62
10 11 23 13-0012	SF	>12 To 16 SF, 1-1/4" Face Aluminum Frame, Cork Surface, Fixed Tackboard.....	13.56	3.12
10 11 23 13-0013	SF	>16 To 24 SF, 1-1/4" Face Aluminum Frame, Cork Surface, Fixed Tackboard	10.61	2.03



Specialties	10	10
Information Specialties	10 10	
Visual Display Units	10 11	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 11 23 13-0014 SF >24 SF, 1-1/4" Face Aluminum Frame, Cork Surface, Fixed Tackboard.....	8.31	1.13
10 11 23 13-0015 1-3/4" Face Wood Frame, Cork Surface, Fixed Tackboards (Claridge 700 Series) (10 11 23 13-0002)		
10 11 23 13-0016 SF Up To 6 SF, 1-3/4" Face Wood Frame, Cork Surface, Fixed Tackboard.....	29.70	7.69
10 11 23 13-0017 SF >6 To 12 SF, 1-3/4" Face Wood Frame, Cork Surface, Fixed Tackboard.....	18.20	3.62
10 11 23 13-0018 SF >12 To 16 SF, 1-3/4" Face Wood Frame, Cork Surface, Fixed Tackboard.....	16.87	3.12
10 11 23 13-0019 SF >16 To 24 SF, 1-3/4" Face Wood Frame, Cork Surface, Fixed Tackboard.....	13.01	2.03
10 11 23 13-0020 SF >24 SF, 1-3/4" Face Wood Frame, Cork Surface, Fixed Tackboard.....	10.32	1.13
10 11 23 13-0021 Burlap Backed Cork Surface, Fixed Tackboards (10 11 23 13-0001)		
Note: Includes burlap backed 1/4" self healing cork surface, unmounted or mounted on hardboard.		
10 11 23 13-0022 5/8" Face Aluminum Frame, Burlap Backed Cork Surface, Fixed Tackboards (Claridge 800 Series) (10 11 23 13-0021)		
10 11 23 13-0023 SF Up To 6 SF, 5/8" Face Aluminum Frame, Burlap Backed Cork Surface, Fixed Tackboard.....	32.38	7.69
10 11 23 13-0024 SF >6 To 12 SF, 5/8" Face Aluminum Frame, Burlap Backed Cork Surface, Fixed Tackboard.....	21.25	3.62
10 11 23 13-0025 SF >12 To 16 SF, 5/8" Face Aluminum Frame, Burlap Backed Cork Surface, Fixed Tackboard.....	19.41	3.12
10 11 23 13-0026 SF >16 To 24 SF, 5/8" Face Aluminum Frame, Burlap Backed Cork Surface, Fixed Tackboard.....	16.67	2.03
10 11 23 13-0027 SF >24 SF, 5/8" Face Aluminum Frame, Burlap Backed Cork Surface, Fixed Tackboard.....	14.78	1.13
10 11 23 13-0028 1-3/4" Face Wood Frame, Burlap Backed Cork Surface, Fixed Tackboards (Claridge 700 Series) (10 11 23 13-0021)		
10 11 23 13-0029 SF Up To 6 SF, 1-3/4" Face Wood Frame, Burlap Backed Cork Surface, Fixed Tackboard.....	36.00	7.69
10 11 23 13-0030 SF >6 To 12 SF, 1-3/4" Face Wood Frame, Burlap Backed Cork Surface, Fixed Tackboard.....	25.12	3.62
10 11 23 13-0031 SF >12 To 16 SF, 1-3/4" Face Wood Frame, Burlap Backed Cork Surface, Fixed Tackboard.....	23.31	3.12
10 11 23 13-0032 SF >16 To 24 SF, 1-3/4" Face Wood Frame, Burlap Backed Cork Surface, Fixed Tackboard.....	19.51	2.03
10 11 23 13-0033 SF >24 SF, 1-3/4" Face Wood Frame, Burlap Backed Cork Surface, Fixed Tackboard.....	16.85	1.13
10 11 23 13-0034 Polyester Fabric Surface, Fixed Tackboards (10 11 23 13-0001)		
Note: Includes polyester fabric on cork underlay, unmounted or mounted on duracore. Class A rating.		
10 11 23 13-0035 5/8" Face Aluminum Frame, Polyester Fabric Surface, Fixed Tackboards (Claridge 800 Series) (10 11 23 13-0034)		
10 11 23 13-0036 SF Up To 6 SF, 5/8" Face Aluminum Frame, Polyester Fabric Surface, Fixed Tackboard.....	29.07	7.69
10 11 23 13-0037 SF >6 To 12 SF, 5/8" Face Aluminum Frame, Polyester Fabric Surface, Fixed Tackboard.....	17.31	3.62
10 11 23 13-0038 SF >12 To 16 SF, 5/8" Face Aluminum Frame, Polyester Fabric Surface, Fixed Tackboard.....	15.34	3.12
10 11 23 13-0039 SF >16 To 24 SF, 5/8" Face Aluminum Frame, Polyester Fabric Surface, Fixed Tackboard.....	12.61	2.03
10 11 23 13-0040 SF >24 SF, 5/8" Face Aluminum Frame, Polyester Fabric Surface, Fixed Tackboard.....	10.47	1.13
10 11 23 13-0041 1-3/4" Face Wood Frame, Polyester Fabric Surface, Fixed Tackboards (Claridge 700 Series) (10 11 23 13-0034)		
10 11 23 13-0042 SF Up To 6 SF, 1-3/4" Face Wood Frame, Polyester Fabric Surface, Fixed Tackboard.....	31.12	7.69
10 11 23 13-0043 SF >6 To 12 SF, 1-3/4" Face Wood Frame, Polyester Fabric Surface, Fixed Tackboard.....	19.97	3.62
10 11 23 13-0044 SF >12 To 16 SF, 1-3/4" Face Wood Frame, Polyester Fabric Surface, Fixed Tackboard.....	18.52	3.12
10 11 23 13-0045 SF >16 To 24 SF, 1-3/4" Face Wood Frame, Polyester Fabric Surface, Fixed Tackboard.....	14.82	2.03
10 11 23 13-0046 SF >24 SF, 1-3/4" Face Wood Frame, Polyester Fabric Surface, Fixed Tackboard.....	12.21	1.13
10 11 23 13-0047 Vinyl Fabric Surface, Fixed Tackboards (10 11 23 13-0001)		
Note: Includes vinyl fabric on cork underlay, unmounted or mounted on duracore.		
10 11 23 13-0048 5/8" Face Aluminum Frame, Vinyl Fabric Surface, Fixed Tackboards (Claridge 800 Series) (10 11 23 13-0047)		
10 11 23 13-0049 SF Up To 6 SF, 5/8" Face Aluminum Frame, Vinyl Fabric Surface, Fixed Tackboard.....	28.05	7.69
10 11 23 13-0050 SF >6 To 12 SF, 5/8" Face Aluminum Frame, Vinyl Fabric Surface, Fixed Tackboard.....	16.13	3.62
10 11 23 13-0051 SF >12 To 16 SF, 5/8" Face Aluminum Frame, Vinyl Fabric Surface, Fixed Tackboard.....	14.04	3.12
10 11 23 13-0052 SF >16 To 24 SF, 5/8" Face Aluminum Frame, Vinyl Fabric Surface, Fixed Tackboard.....	11.16	2.03
10 11 23 13-0053 SF >24 SF, 5/8" Face Aluminum Frame, Vinyl Fabric Surface, Fixed Tackboard.....	8.99	1.13
10 11 23 13-0054 1-3/4" Face Wood Frame, Vinyl Fabric Surface, Fixed Tackboards (Claridge 700 Series) (10 11 23 13-0047)		
10 11 23 13-0055 SF Up To 6 SF, 1-3/4" Face Wood Frame, Vinyl Fabric Surface, Fixed Tackboard.....	29.70	7.69
10 11 23 13-0056 SF >6 To 12 SF, 1-3/4" Face Wood Frame, Vinyl Fabric Surface, Fixed Tackboard.....	18.93	3.62
10 11 23 13-0057 SF >12 To 16 SF, 1-3/4" Face Wood Frame, Vinyl Fabric Surface, Fixed Tackboard.....	16.87	3.12
10 11 23 13-0058 SF >16 To 24 SF, 1-3/4" Face Wood Frame, Vinyl Fabric Surface, Fixed Tackboard.....	13.01	2.03
10 11 23 13-0059 SF 4' x 8', 1-3/4" Face Wood Frame, Vinyl Fabric Surface, Fixed Tackboard.....	10.32	1.13
10 12 Display Cases (10 10)		
10 12 00 00-0001 Counter Display Cases (10 12)		
10 12 00 00-0002 EA 30" x 12" x 36" Counter Display Cases.....	937.84	138.54



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 12 00 00-0003 EA 30" x 12" x 48" Counter Display Cases.....	1,005.91	138.54
10 12 00 00-0004 EA 30" x 18" x 36" Counter Display Cases.....	978.18	138.54
10 12 00 00-0005 EA 30" x 18" x 48" Counter Display Cases.....	923.06	61.58
10 12 00 00-0006 Upright Display Case (10 12)		
10 12 00 00-0007 EA 72 In x 20 In x 70 In Upright Display Case.....	1,861.19	138.54
10 12 00 00-0008 Full Vision Display Case (10 12)		
10 12 00 00-0009 EA 38 In x 20 In x 70 In Full Vision Display Case.....	1,245.60	138.54
10 13 Directories (10 10)		
10 13 16 Directory And Bulletin Boards (10 13)		
Note: Select task based off the square footage of an individual directory or bulletin board. For example use the >12 To 16 SF range for each 3' x 5' directory or bulletin board.		
10 13 16 00-0001 Wall Mounted Directories (10 13 16)		
Note: Includes changeable letters.		
10 13 16 00-0002 Open Face, Wall Mounted Directories (10 13 16 00-0001)		
Note: Includes vinyl or felt back panel.		
10 13 16 00-0003 Wood Frame, Open Face, Wall Mounted Directories (Claridge 350 Series)		
(10 13 16 00-0002)		
10 13 16 00-0004 SF Up To 6 SF, Wood Frame, Open Face, Wall Mounted Directory.....	47.19	7.69
10 13 16 00-0005 SF >6 To 12 SF, Wood Frame, Open Face, Wall Mounted Directory.....	31.09	3.62
10 13 16 00-0006 SF >12 To 16 SF, Wood Frame, Open Face, Wall Mounted Directory.....	28.29	3.12
10 13 16 00-0007 SF >16 To 24 SF, Wood Frame, Open Face, Wall Mounted Directory.....	21.67	2.03
10 13 16 00-0008 SF >24 SF, Wood Frame, Open Face, Wall Mounted Directory.....	17.38	1.13
10 13 16 00-0009 Aluminum Frame, Open Face, Wall Mounted Directories (Claridge 432 Series)		
(10 13 16 00-0002)		
10 13 16 00-0010 SF Up To 6 SF, Aluminum Frame, Open Face, Wall Mounted Directory.....	47.66	7.69
For Bronze Anodize Finish, Add 12.00		
10 13 16 00-0011 SF >6 To 12 SF, Aluminum Frame, Open Face, Wall Mounted Directory.....	31.41	3.62
For Bronze Anodize Finish, Add 12.00		
10 13 16 00-0012 SF >12 To 16 SF, Aluminum Frame, Open Face, Wall Mounted Directory.....	28.92	3.12
For Bronze Anodize Finish, Add 12.00		
10 13 16 00-0013 SF >16 To 24 SF, Aluminum Frame, Open Face, Wall Mounted Directory.....	20.65	2.03
For Bronze Anodize Finish, Add 12.00		
10 13 16 00-0014 SF >24 SF, Aluminum Frame, Open Face, Wall Mounted Directory.....	17.85	1.13
For Bronze Anodize Finish, Add 12.00		
10 13 16 00-0015 Glass Encased, Wall Mounted Directory Cabinets (10 13 16 00-0001)		
Note: Includes vinyl or felt back panel, 3/16" tempered glass and flat key tumbler lock. Surface or recess mounted.		
10 13 16 00-0016 Wood Frame, Glass Encased, Wall Mounted Directory Cabinets (10 13 16 00-0015)		
10 13 16 00-0017 Hinged Door, Wood Frame, Glass Encased, Wall Mounted Directory Cabinets (Claridge 3052 Series)		
(10 13 16 00-0016)		
10 13 16 00-0018 SF Up To 6 SF, Hinged Door, Wood Frame, Glass Encased, Wall Mounted Directory Cabinet.....	118.22	7.69
For Fluorescent Lights, Add 15.00		
10 13 16 00-0019 SF >6 To 12 SF, Hinged Door, Wood Frame, Glass Encased, Wall Mounted Directory Cabinet.....	95.19	3.62
For Fluorescent Lights, Add 15.00		
10 13 16 00-0020 SF >12 To 16 SF, Hinged Door, Wood Frame, Glass Encased, Wall Mounted Directory Cabinet.....	79.71	3.12
For Fluorescent Lights, Add 15.00		
10 13 16 00-0021 SF >16 To 24 SF, Hinged Door, Wood Frame, Glass Encased, Wall Mounted Directory Cabinet.....	73.96	2.03
For Fluorescent Lights, Add 15.00		
10 13 16 00-0022 SF >24 SF, Hinged Door, Wood Frame, Glass Encased, Wall Mounted Directory Cabinet.....	66.99	1.13
For Fluorescent Lights, Add 15.00		
10 13 16 00-0023 Sliding Door, Wood Frame, Glass Encased, Wall Mounted Directory Cabinets (Claridge 345 Series)		
(10 13 16 00-0016)		
10 13 16 00-0024 SF Up To 12 SF, Sliding Door, Wood Frame, Glass Encased, Wall Mounted Directory Cabinet.....	101.52	7.69
For Fluorescent Lights, Add 15.00		
10 13 16 00-0025 SF >12 To 16 SF, Sliding Door, Wood Frame, Glass Encased, Wall Mounted Directory Cabinet.....	82.34	3.12
For Fluorescent Lights, Add 15.00		
10 13 16 00-0026 SF >16 To 24 SF, Sliding Door, Wood Frame, Glass Encased, Wall Mounted Directory Cabinet.....	59.08	2.03
For Fluorescent Lights, Add 15.00		
10 13 16 00-0027 SF >24 SF, Sliding Door, Wood Frame, Glass Encased, Wall Mounted Directory Cabinet.....	53.29	1.13
For Fluorescent Lights, Add 15.00		
10 13 16 00-0028 Aluminum Frame, Glass Encased, Wall Mounted Directory Cabinets (10 13 16 00-0015)		



Specialties	10	10
Information Specialties	10 10	
Directories	10 13	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 13 16 00-0029 Hinged Door, Aluminum Frame, Glass Encased, Wall Mounted Directory Cabinets (Claridge Contemporary Series) (10 13 16 00-0028)		
10 13 16 00-0030 SF Up To 6 SF, Hinged Door, Aluminum Frame, Glass Encased, Wall Mounted Directory Cabinet.....	105.70	7.69
For Fluorescent Lights, Add	15.00	
For Bronze Anodize Finish, Add	12.00	
For Header Panel, Add	18.07	
10 13 16 00-0031 SF >6 To 12 SF, Hinged Door, Aluminum Frame, Glass Encased, Wall Mounted Directory Cabinet	82.21	3.62
For Fluorescent Lights, Add	15.00	
For Bronze Anodize Finish, Add	12.00	
For Header Panel, Add	15.00	
10 13 16 00-0032 SF >12 To 16 SF, Hinged Door, Aluminum Frame, Glass Encased, Wall Mounted Directory Cabinet.....	69.57	3.12
For Fluorescent Lights, Add	15.00	
For Bronze Anodize Finish, Add	12.00	
For Header Panel, Add	12.67	
10 13 16 00-0033 SF >16 To 24 SF, Hinged Door, Aluminum Frame, Glass Encased, Wall Mounted Directory Cabinet	51.17	2.03
For Fluorescent Lights, Add	15.00	
For Bronze Anodize Finish, Add	12.00	
For Header Panel, Add	9.42	
10 13 16 00-0034 SF >24 SF, Hinged Door, Aluminum Frame, Glass Encased, Wall Mounted Directory Cabinet	47.86	1.13
For Fluorescent Lights, Add	15.00	
For Bronze Anodize Finish, Add	12.00	
For Header Panel, Add	9.12	
10 13 16 00-0035 Sliding Door, Aluminum Frame, Glass Encased, Wall Mounted Directory Cabinets (Claridge Contemporary Series) (10 13 16 00-0028)		
10 13 16 00-0036 SF Up To 6 SF, Sliding Door, Aluminum Frame, Glass Encased, Wall Mounted Directory Cabinet	163.51	7.69
For Fluorescent Lights, Add	15.00	
For Bronze Anodize Finish, Add	12.00	
For Header Panel, Add	29.63	
10 13 16 00-0037 SF >6 To 12 SF, Sliding Door, Aluminum Frame, Glass Encased, Wall Mounted Directory Cabinet.....	95.13	3.62
For Fluorescent Lights, Add	15.00	
For Bronze Anodize Finish, Add	12.00	
For Header Panel, Add	17.58	
10 13 16 00-0038 SF >12 To 16 SF, Sliding Door, Aluminum Frame, Glass Encased, Wall Mounted Directory Cabinet.....	80.14	3.12
For Fluorescent Lights, Add	15.00	
For Bronze Anodize Finish, Add	12.00	
For Header Panel, Add	14.78	
10 13 16 00-0039 SF >16 To 24 SF, Sliding Door, Aluminum Frame, Glass Encased, Wall Mounted Directory Cabinet.....	61.84	2.03
For Fluorescent Lights, Add	15.00	
For Bronze Anodize Finish, Add	12.00	
For Header Panel, Add	11.55	
10 13 16 00-0040 SF >24 SF, Sliding Door, Aluminum Frame, Glass Encased, Wall Mounted Directory Cabinet.....	57.31	1.13
For Fluorescent Lights, Add	15.00	
For Bronze Anodize Finish, Add	12.00	
For Header Panel, Add	11.01	
10 13 16 00-0041 Outdoor, Glass Encased, Wall Mounted Directory Cabinets (10 13 16 00-0001)		
Note: Includes vinyl or felt back panel, 3/16" tempered glass and flat key tumbler lock. Surface or recess mounted.		
10 13 16 00-0042 Aluminum Frame, Outdoor, Glass Encased, Wall Mounted Directory Cabinets (10 13 16 00-0041)		
10 13 16 00-0043 Hinged Door, Aluminum Frame, Outdoor, Glass Encased, Wall Mounted Directory Cabinets (Claridge 548 Series) (10 13 16 00-0042)		
10 13 16 00-0044 SF Up To 6 SF, Hinged Door, Outdoor, Glass Encased, Wall Mounted Directory Cabinet.....	160.59	7.69
For Fluorescent Lights, Add	15.00	
For Bronze Anodize Finish, Add	12.00	
10 13 16 00-0045 SF >6 To 12 SF, Hinged Door, Outdoor, Glass Encased, Wall Mounted Directory Cabinet.....	107.49	3.62
For Fluorescent Lights, Add	15.00	
For Bronze Anodize Finish, Add	12.00	
10 13 16 00-0046 SF >12 SF, Hinged Door, Outdoor, Glass Encased, Wall Mounted Directory Cabinet.....	104.52	3.12
For Fluorescent Lights, Add	15.00	
For Bronze Anodize Finish, Add	12.00	
10 13 16 00-0047 Wall Mounted Bulletin Boards (10 13 16)		
10 13 16 00-0048 Glass Encased, Wall Mounted Bulletin Board Cabinets (10 13 16 00-0047)		
Note: Includes cork, fabric or hook-fab back panel, 3/16" tempered glass and flat key tumbler lock. Surface or recess mounted.		
10 13 16 00-0049 Wood Frame, Glass Encased, Wall Mounted Bulletin Board Cabinets (10 13 16 00-0048)		
10 13 16 00-0050 Hinged Door, Wood Frame, Glass Encased, Wall Mounted Bulletin Board Cabinets (Claridge 3070 Series) (10 13 16 00-0049)		
10 13 16 00-0051 SF Up To 6 SF, Hinged Door, Wood Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet	115.38	7.69
For Fluorescent Lights, Add	15.00	
10 13 16 00-0052 SF >6 To 12 SF, Hinged Door, Wood Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet.....	93.07	3.62
For Fluorescent Lights, Add	15.00	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 13 16 00-0053 SF >12 To 16 SF, Hinged Door, Wood Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet.....	77.59	3.12
For Fluorescent Lights, Add	15.00	
10 13 16 00-0054 SF >16 To 24 SF, Hinged Door, Wood Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet.....	71.95	2.03
For Fluorescent Lights, Add	15.00	
10 13 16 00-0055 SF >24 SF, Hinged Door, Wood Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet.....	66.05	1.13
For Fluorescent Lights, Add	15.00	
10 13 16 00-0056 Sliding Door, Wood Frame, Glass Encased, Wall Mounted Bulletin Board Cabinets (Claridge 310 Series) <small>(10 13 16 00-0049)</small>		
10 13 16 00-0057 SF Up To 12 SF, Sliding Door, Wood Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet.....	96.48	7.69
For Fluorescent Lights, Add	15.00	
10 13 16 00-0058 SF >12 To 16 SF, Sliding Door, Wood Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet.....	77.56	3.12
For Fluorescent Lights, Add	15.00	
10 13 16 00-0059 SF >16 To 24 SF, Sliding Door, Wood Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet.....	55.38	2.03
For Fluorescent Lights, Add	15.00	
10 13 16 00-0060 SF >24 SF, Sliding Door, Wood Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet.....	50.46	1.13
For Fluorescent Lights, Add	15.00	
10 13 16 00-0061 Aluminum Frame, Glass Encased, Wall Mounted Bulletin Board Cabinets <small>(10 13 16 00-0048)</small>		
10 13 16 00-0062 Hinged Door, Aluminum Frame, Glass Encased, Wall Mounted Bulletin Board Cabinets (Claridge Contemporary Series) <small>(10 13 16 00-0061)</small>		
10 13 16 00-0063 SF Up To 6 SF, Hinged Door, Aluminum Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet.....	108.29	7.69
For Fluorescent Lights, Add	15.00	
For Bronze Anodize Finish, Add	12.00	
For Header Panel, Add	18.58	
10 13 16 00-0064 SF >6 To 12 SF, Hinged Door, Aluminum Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet.....	84.80	3.62
For Fluorescent Lights, Add	15.00	
For Bronze Anodize Finish, Add	12.00	
For Header Panel, Add	15.51	
10 13 16 00-0065 SF >12 To 16 SF, Hinged Door, Aluminum Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet.....	72.15	3.12
For Fluorescent Lights, Add	15.00	
For Bronze Anodize Finish, Add	12.00	
For Header Panel, Add	13.18	
10 13 16 00-0066 SF >16 To 24 SF, Hinged Door, Aluminum Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet.....	53.76	2.03
For Fluorescent Lights, Add	15.00	
For Bronze Anodize Finish, Add	12.00	
For Header Panel, Add	9.94	
10 13 16 00-0067 SF >24 SF, Hinged Door, Aluminum Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet.....	50.46	1.13
For Fluorescent Lights, Add	15.00	
For Bronze Anodize Finish, Add	12.00	
For Header Panel, Add	9.64	
10 13 16 00-0068 Sliding Door, Aluminum Frame, Glass Encased, Wall Mounted Bulletin Board Cabinets (Claridge Contemporary Series) <small>(10 13 16 00-0061)</small>		
10 13 16 00-0069 SF Up To 6 SF, Sliding Door, Aluminum Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet.....	166.10	7.69
For Fluorescent Lights, Add	15.00	
For Bronze Anodize Finish, Add	12.00	
For Header Panel, Add	30.15	
10 13 16 00-0070 SF >6 To 12 SF, Sliding Door, Aluminum Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet.....	97.71	3.62
For Fluorescent Lights, Add	15.00	
For Bronze Anodize Finish, Add	12.00	
For Header Panel, Add	18.10	
10 13 16 00-0071 SF >12 To 16 SF, Sliding Door, Aluminum Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet.....	82.73	3.12
For Fluorescent Lights, Add	15.00	
For Bronze Anodize Finish, Add	12.00	
For Header Panel, Add	15.30	
10 13 16 00-0072 SF >16 To 24 SF, Sliding Door, Aluminum Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet.....	64.43	2.03
For Fluorescent Lights, Add	15.00	
For Bronze Anodize Finish, Add	12.00	
For Header Panel, Add	12.07	
10 13 16 00-0073 SF >24 SF, Sliding Door, Aluminum Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet.....	59.90	1.13
For Fluorescent Lights, Add	15.00	
For Bronze Anodize Finish, Add	12.00	
For Header Panel, Add	11.53	
10 13 16 00-0074 Outdoor, Glass Encased, Wall Mounted Bulletin Board Cabinets <small>(10 13 16 00-0047)</small>		
Note: Includes cork, fabric or hook-fab back panel, 3/16" tempered glass and flat key tumbler lock. Surface or recess mounted.		
10 13 16 00-0075 Aluminum Frame, Outdoor, Glass Encased, Wall Mounted Bulletin Board Cabinets <small>(10 13 16 00-0074)</small>		
10 13 16 00-0076 Hinged Door, Aluminum Frame, Outdoor, Glass Encased, Wall Mounted Bulletin Board Cabinets <small>(10 13 16 00-0075)</small>		
10 13 16 00-0077 SF Up To 6 SF, Hinged Door, Outdoor, Glass Encased, Wall Mounted Bulletin Board Cabinet.....	158.00	7.69
For Fluorescent Lights, Add	15.00	
For Bronze Anodize Finish, Add	12.00	



Specialties	10	10
Information Specialties	10 10	
Directories	10 13	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 13 16 00-0078	SF	>6 To 12 SF, Hinged Door, Outdoor, Glass Encased, Wall Mounted Bulletin Board Cabinet.....	104.90	3.62	
		<i>For Fluorescent Lights, Add</i>	15.00		
		<i>For Bronze Anodize Finish, Add</i>	12.00		
10 13 16 00-0079	SF	>12 SF, Hinged Door, Outdoor, Glass Encased, Wall Mounted Bulletin Board Cabinet.....	101.96	3.12	
		<i>For Fluorescent Lights, Add</i>	15.00		
		<i>For Bronze Anodize Finish, Add</i>	12.00		

10 14 Signage (10 10)

10 14 16 Plaques (10 14)

Note: Price includes custom lettering and emblem casting sizes one to four SF each.

10 14 16 00-0001 Metal Cased Plaque (10 14 16)

10 14 16 00-0002	SF	Bronze Cast Plaque With lettering Including Emblem Size 1-4 SF Each.....	532.63	22.59	
		<i>For >5 To 10, Deduct</i>	-57.69		
		<i>For >10 Each, Deduct</i>	-101.91		
10 14 16 00-0003	SF	Aluminum Cast Plaque With lettering Including Emblem Size 1-4 SF Each.....	330.25	22.59	
		<i>For >5 To 10, Deduct</i>	-35.42		
		<i>For >10 Each, Deduct</i>	-59.41		

10 14 16 00-0004 Metal Engraved Plaque, Etched (10 14 16)

10 14 16 00-0005	SF	Porcelainized Steel Engraved Plaque Including Emblem Size 1-4 SF Each.....	362.91	22.59	
		<i>For >5 To 10, Deduct</i>	-39.02		
		<i>For >10 Each, Deduct</i>	-66.27		
10 14 16 00-0006	SF	Stainless Steel Engraved Plaque Including Emblem Size 1-4 SF Each.....	338.13	22.59	
		<i>For >5 To 10, Deduct</i>	-36.29		
		<i>For >10 Each, Deduct</i>	-61.06		
10 14 16 00-0007	SF	Brass Engraved Plaque Including Emblem Size 1-4 SF Each.....	231.16	22.59	
		<i>For >5 To 10, Deduct</i>	-24.52		
		<i>For >10 Each, Deduct</i>	-38.60		
10 14 16 00-0008	SF	Aluminum Engraved Plaque Including Emblem Size 1-4 SF Each.....	223.28	22.59	
		<i>For >5 To 10, Deduct</i>	-23.66		
		<i>For >10 Each, Deduct</i>	-36.94		

10 14 16 00-0009 Metal Built-Up Plaque (10 14 16)

10 14 16 00-0010	SF	Bronze Built-up Plaque Including Emblem Size 1-4 SF Each.....	396.92	28.03	
		<i>For >5 To 10, Deduct</i>	-42.53		
		<i>For >10 Each, Deduct</i>	-70.92		
10 14 16 00-0011	SF	Copper And Bronze Built-up Plaque Including Emblem Size 1-4 SF Each.....	405.52	28.03	
		<i>For >5 To 10, Deduct</i>	-43.48		
		<i>For >10 Each, Deduct</i>	-72.73		
10 14 16 00-0012	SF	Copper And Aluminum Built-up Plaque Including Emblem Size 1-4 SF Each.....	368.62	28.03	
		<i>For >5 To 10, Deduct</i>	-39.42		
		<i>For >10 Each, Deduct</i>	-64.98		
10 14 16 00-0013	SF	Bronze Built-up Dedication Plaque Including Raised Bronze Lettering, (2'-3" x 3'-8-1/4").....	464.36	56.49	
		<i>For >5 To 10, Deduct</i>	-49.95		
		<i>For >10 Each, Deduct</i>	-85.09		
10 14 16 00-0014	SF	Bronze Built-up Plaque Including Raised Bronze Lettering (3' x 9").....	392.66	56.49	
		<i>For >5 To 10, Deduct</i>	-42.06		
		<i>For >10 Each, Deduct</i>	-70.03		

10 14 16 00-0015 Metal Nameplate Plaques (10 14 16)

10 14 16 00-0016	SF	Cast Bronze Nameplate Plaque Including Emblem Size 1-4 SF Each.....	203.67	15.37	
		<i>For >5 To 10, Deduct</i>	-21.80		
		<i>For >10 Each, Deduct</i>	-36.14		
10 14 16 00-0017	SF	Cast Aluminum Nameplate Plaque Including Emblem Size 1-4 SF Each.....	257.34	15.37	
		<i>For >5 To 10, Deduct</i>	-27.70		
		<i>For >10 Each, Deduct</i>	-47.41		
10 14 16 00-0018	EA	1-1/2" x 6" Engraved Bronze Nameplate Including Emblem Size 1-4 SF Each.....	146.32	15.37	
		<i>For >5 To 10, Deduct</i>	-15.49		
		<i>For >10 Each, Deduct</i>	-24.10		
10 14 16 00-0019	EA	1-1/2" x 6" Engraved Aluminum Nameplate Including Emblem Size 1-4 SF Each.....	127.84	15.37	
		<i>For >5 To 10, Deduct</i>	-13.46		
		<i>For >10 Each, Deduct</i>	-20.22		
10 14 16 00-0020	SF	Bronze Built-up Plaque Including Raised Bronze Lettering (3' x 9").....	382.41	56.49	
		<i>For >5 To 10, Deduct</i>	-40.94		
		<i>For >10 Each, Deduct</i>	-67.88		

10 14 19 Dimensional Letter Signage (10 14)

Note: Mounted on masonry or concrete.

10 14 19 00-0001 Cast Characters (10 14 19)

10 14 19 00-0002 Satin Finish, Cast Aluminum Characters (10 14 19 00-0001)

10 14 19 00-0003	EA	2" High x 3/8" Deep, Satin Finish, Cast Aluminum Sign Letter/Character, Installed With Studs.....	38.45	5.65	
		<i>For Installation With Adhesive, Deduct</i>	-4.18		
		<i>For Clear Anodized, Add</i>	1.59		
		<i>For Satin Face And Enameled Return, Add</i>	4.76		
		<i>For Patina Finish, Add</i>	6.34		
		<i>For Color Anodized, Add</i>	7.93		



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 19 00-0004	EA		3" High x 1/2" Deep, Satin Finish, Cast Aluminum Sign Letter/Character, Installed With Studs	45.14	6.10
			<i>For Installation With Adhesive, Deduct</i>	-4.70	
			<i>For Clear Anodized, Add</i>	2.07	
			<i>For Satin Face And Enameled Return, Add</i>	6.22	
			<i>For Patina Finish, Add</i>	8.29	
			<i>For Color Anodized, Add</i>	10.37	
10 14 19 00-0005	EA		4" High x 5/8" Deep, Satin Finish, Cast Aluminum Sign Letter/Character, Installed With Studs	49.38	6.56
			<i>For Installation With Adhesive, Deduct</i>	-5.09	
			<i>For Clear Anodized, Add</i>	2.32	
			<i>For Satin Face And Enameled Return, Add</i>	6.95	
			<i>For Patina Finish, Add</i>	9.27	
			<i>For Color Anodized, Add</i>	11.59	
10 14 19 00-0006	EA		5" High x 3/4" Deep, Satin Finish, Cast Aluminum Sign Letter/Character, Installed With Studs	56.66	7.50
			<i>For Installation With Adhesive, Deduct</i>	-5.82	
			<i>For Clear Anodized, Add</i>	2.68	
			<i>For Satin Face And Enameled Return, Add</i>	8.05	
			<i>For Patina Finish, Add</i>	10.73	
			<i>For Color Anodized, Add</i>	13.42	
10 14 19 00-0007	EA		6" High x 3/4" Deep, Satin Finish, Cast Aluminum Sign Letter/Character, Installed With Studs	62.13	7.91
			<i>For Installation With Adhesive, Deduct</i>	-6.27	
			<i>For Clear Anodized, Add</i>	3.05	
			<i>For Satin Face And Enameled Return, Add</i>	9.15	
			<i>For Patina Finish, Add</i>	12.20	
			<i>For Color Anodized, Add</i>	15.25	
10 14 19 00-0008	EA		8" High x 3/4" Deep, Satin Finish, Cast Aluminum Sign Letter/Character, Installed With Studs	73.97	9.04
			<i>For Installation With Adhesive, Deduct</i>	-7.31	
			<i>For Clear Anodized, Add</i>	3.78	
			<i>For Satin Face And Enameled Return, Add</i>	11.34	
			<i>For Patina Finish, Add</i>	15.12	
			<i>For Color Anodized, Add</i>	18.91	
10 14 19 00-0009	EA		9" High x 3/4" Deep, Satin Finish, Cast Aluminum Sign Letter/Character, Installed With Studs	81.88	9.49
			<i>For Installation With Adhesive, Deduct</i>	-7.89	
			<i>For Clear Anodized, Add</i>	4.39	
			<i>For Satin Face And Enameled Return, Add</i>	13.17	
			<i>For Patina Finish, Add</i>	17.56	
			<i>For Color Anodized, Add</i>	21.96	
10 14 19 00-0010	EA		10" High x 1" Deep, Satin Finish, Cast Aluminum Sign Letter/Character, Installed With Studs	93.12	10.17
			<i>For Installation With Adhesive, Deduct</i>	-8.72	
			<i>For Clear Anodized, Add</i>	5.25	
			<i>For Satin Face And Enameled Return, Add</i>	15.74	
			<i>For Patina Finish, Add</i>	20.98	
			<i>For Color Anodized, Add</i>	26.23	
10 14 19 00-0011	EA		12" High x 1" Deep, Satin Finish, Cast Aluminum Sign Letter/Character, Installed With Studs	112.87	11.75
			<i>For Installation With Adhesive, Deduct</i>	-10.34	
			<i>For Clear Anodized, Add</i>	6.59	
			<i>For Satin Face And Enameled Return, Add</i>	19.76	
			<i>For Patina Finish, Add</i>	26.34	
			<i>For Color Anodized, Add</i>	32.93	
10 14 19 00-0012	EA		14" High x 1" Deep, Satin Finish, Cast Aluminum Sign Letter/Character, Installed With Studs	134.74	13.56
			<i>For Installation With Adhesive, Deduct</i>	-12.16	
			<i>For Clear Anodized, Add</i>	8.05	
			<i>For Satin Face And Enameled Return, Add</i>	24.15	
			<i>For Patina Finish, Add</i>	32.20	
			<i>For Color Anodized, Add</i>	40.25	
10 14 19 00-0013	EA		15" High x 1-1/4" Deep, Satin Finish, Cast Aluminum Sign Letter/Character, Installed With Studs	148.11	15.07
			<i>For Installation With Adhesive, Deduct</i>	-13.43	
			<i>For Clear Anodized, Add</i>	8.78	
			<i>For Satin Face And Enameled Return, Add</i>	26.35	
			<i>For Patina Finish, Add</i>	35.13	
			<i>For Color Anodized, Add</i>	43.91	
10 14 19 00-0014	EA		16" High x 1-1/4" Deep, Satin Finish, Cast Aluminum Sign Letter/Character, Installed With Studs	165.09	16.27
			<i>For Installation With Adhesive, Deduct</i>	-14.76	
			<i>For Clear Anodized, Add</i>	10.00	
			<i>For Satin Face And Enameled Return, Add</i>	30.00	
			<i>For Patina Finish, Add</i>	40.00	
			<i>For Color Anodized, Add</i>	50.01	
10 14 19 00-0015	EA		18" High x 1-1/2" Deep, Satin Finish, Cast Aluminum Sign Letter/Character, Installed With Studs	199.17	18.08
			<i>For Installation With Adhesive, Deduct</i>	-17.19	
			<i>For Clear Anodized, Add</i>	12.69	
			<i>For Satin Face And Enameled Return, Add</i>	38.06	
			<i>For Patina Finish, Add</i>	50.74	
			<i>For Color Anodized, Add</i>	63.43	
10 14 19 00-0016	EA		20" High x 1-1/2" Deep, Satin Finish, Cast Aluminum Sign Letter/Character, Installed With Studs	239.92	20.34
			<i>For Installation With Adhesive, Deduct</i>	-20.13	
			<i>For Clear Anodized, Add</i>	15.86	
			<i>For Satin Face And Enameled Return, Add</i>	47.57	
			<i>For Patina Finish, Add</i>	63.42	
			<i>For Color Anodized, Add</i>	79.28	
10 14 19 00-0017	EA		24" High x 1-1/2" Deep, Satin Finish, Cast Aluminum Sign Letter/Character, Installed With Studs	287.99	22.59
			<i>For Installation With Adhesive, Deduct</i>	-23.44	
			<i>For Clear Anodized, Add</i>	19.76	
			<i>For Satin Face And Enameled Return, Add</i>	59.28	
			<i>For Patina Finish, Add</i>	79.04	
			<i>For Color Anodized, Add</i>	98.80	



Specialties	10
Information Specialties	10 10
Signage	10 14

10

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 19 00-0018 Satin Finish, Cast Bronze Characters <small>(10 14 19 00-0001)</small>		
10 14 19 00-0019 EA 2" High x 3/8" Deep, Satin Finish, Cast Bronze Sign Letter/Character, Installed With Studs.....	48.67	6.21
For Installation With Adhesive, Deduct	-4.92	
For Oxidized Finish, Add	3.57	
For Polished Or Patina Finish, Add	7.14	
10 14 19 00-0020 EA 3" High x 1/2" Deep, Satin Finish, Cast Bronze Sign Letter/Character, Installed With Studs.....	69.08	6.78
For Installation With Adhesive, Deduct	-6.17	
For Oxidized Finish, Add	6.29	
For Polished Or Patina Finish, Add	12.59	
10 14 19 00-0021 EA 4" High x 5/8" Deep, Satin Finish, Cast Bronze Sign Letter/Character, Installed With Studs.....	75.42	7.23
For Installation With Adhesive, Deduct	-6.66	
For Oxidized Finish, Add	6.97	
For Polished Or Patina Finish, Add	13.95	
10 14 19 00-0022 EA 5" High x 3/4" Deep, Satin Finish, Cast Bronze Sign Letter/Character, Installed With Studs.....	91.51	8.13
For Installation With Adhesive, Deduct	-7.83	
For Oxidized Finish, Add	8.85	
For Polished Or Patina Finish, Add	17.69	
10 14 19 00-0023 EA 6" High x 1/2" Deep, Satin Finish, Cast Bronze Sign Letter/Character, Installed With Studs.....	101.71	8.68
For Installation With Adhesive, Deduct	-8.57	
For Oxidized Finish, Add	10.04	
For Polished Or Patina Finish, Add	20.07	
10 14 19 00-0024 EA 8" High x 3/4" Deep, Satin Finish, Cast Bronze Sign Letter/Character, Installed With Studs.....	135.03	9.95
For Installation With Adhesive, Deduct	-10.73	
For Oxidized Finish, Add	14.29	
For Polished Or Patina Finish, Add	28.58	
10 14 19 00-0025 EA 9" High x 3/4" Deep, Satin Finish, Cast Bronze Sign Letter/Character, Installed With Studs.....	153.85	10.40
For Installation With Adhesive, Deduct	-11.85	
For Oxidized Finish, Add	16.84	
For Polished Or Patina Finish, Add	33.68	
10 14 19 00-0026 EA 10" High x 1" Deep, Satin Finish, Cast Bronze Sign Letter/Character, Installed With Studs.....	172.21	11.30
For Installation With Adhesive, Deduct	-13.13	
For Oxidized Finish, Add	19.05	
For Polished Or Patina Finish, Add	38.10	
10 14 19 00-0027 EA 12" High x 1" Deep, Satin Finish, Cast Bronze Sign Letter/Character, Installed With Studs.....	204.39	13.10
For Installation With Adhesive, Deduct	-15.46	
For Oxidized Finish, Add	22.79	
For Polished Or Patina Finish, Add	45.59	
10 14 19 00-0028 EA 14" High x 1" Deep, Satin Finish, Cast Bronze Sign Letter/Character, Installed With Studs.....	239.97	14.91
For Installation With Adhesive, Deduct	-17.96	
For Oxidized Finish, Add	27.05	
For Polished Or Patina Finish, Add	54.09	
10 14 19 00-0029 EA 15" High x 1-1/4" Deep, Satin Finish, Cast Bronze Sign Letter/Character, Installed With Studs.....	284.38	18.08
For Installation With Adhesive, Deduct	-21.45	
For Oxidized Finish, Add	31.81	
For Polished Or Patina Finish, Add	63.62	
10 14 19 00-0030 EA 16" High x 1-1/4" Deep, Satin Finish, Cast Bronze Sign Letter/Character, Installed With Studs.....	295.47	19.44
For Installation With Adhesive, Deduct	-22.55	
For Oxidized Finish, Add	32.66	
For Polished Or Patina Finish, Add	65.32	
10 14 19 00-0031 EA 18" High x 1-1/2" Deep, Satin Finish, Cast Bronze Sign Letter/Character, Installed With Studs.....	418.13	22.59
For Installation With Adhesive, Deduct	-29.95	
For Oxidized Finish, Add	49.16	
For Polished Or Patina Finish, Add	98.32	
10 14 19 00-0032 EA 20" High x 1-1/2" Deep, Satin Finish, Cast Bronze Sign Letter/Character, Installed With Studs.....	503.13	25.43
For Installation With Adhesive, Deduct	-35.33	
For Oxidized Finish, Add	60.22	
For Polished Or Patina Finish, Add	120.43	
10 14 19 00-0033 EA 24" High x 1-1/2" Deep, Satin Finish, Cast Bronze Sign Letter/Character, Installed With Studs.....	639.15	29.38
For Installation With Adhesive, Deduct	-43.71	
For Oxidized Finish, Add	78.25	
For Polished Or Patina Finish, Add	156.49	
10 14 19 00-0034 Molded Characters <small>(10 14 19)</small>		
10 14 19 00-0035 Molded Plastic Characters <small>(10 14 19 00-0034)</small>		
10 14 19 00-0036 EA 4" High x 3/4" Deep, Molded Plastic Sign Letter/Character, Installed With Studs.....	29.00	4.51
For Installation With Adhesive, Deduct	-3.26	
10 14 19 00-0037 EA 5" High x 3/4" Deep, Molded Plastic Sign Letter/Character, Installed With Studs.....	31.48	4.97
For Installation With Adhesive, Deduct	-3.56	
10 14 19 00-0038 EA 6" High x 3/4" Deep, Molded Plastic Sign Letter/Character, Installed With Studs.....	34.70	5.42
For Installation With Adhesive, Deduct	-3.90	
10 14 19 00-0039 EA 8" High x 3/4" Deep, Molded Plastic Sign Letter/Character, Installed With Studs.....	43.49	5.87
For Installation With Adhesive, Deduct	-4.52	
10 14 19 00-0040 EA 9" High x 3/4" Deep, Molded Plastic Sign Letter/Character, Installed With Studs.....	46.98	6.33
For Installation With Adhesive, Deduct	-4.88	
10 14 19 00-0041 EA 10" High x 1" Deep, Molded Plastic Sign Letter/Character, Installed With Studs.....	50.82	6.78
For Installation With Adhesive, Deduct	-5.25	
10 14 19 00-0042 EA 12" High x 1" Deep, Molded Plastic Sign Letter/Character, Installed With Studs.....	59.24	7.91
For Installation With Adhesive, Deduct	-6.13	
10 14 19 00-0043 EA 15" High x 1" Deep, Molded Plastic Sign Letter/Character, Installed With Studs.....	77.62	9.95
For Installation With Adhesive, Deduct	-7.86	
10 14 19 00-0044 EA 18" High x 1-1/2" Deep, Molded Plastic Sign Letter/Character, Installed With Studs.....	98.03	11.75
For Installation With Adhesive, Deduct	-9.60	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 19 00-0045	EA		24" High x 1-1/2" Deep, Molded Plastic Sign Letter/Character, Installed With Studs.....	142.53	14.46
			<i>For Installation With Adhesive, Deduct</i>	-12.91	
10 14 19 00-0046	EA		30" High x 1-1/2" Deep, Molded Plastic Sign Letter/Character, Installed With Studs.....	207.61	16.95
			<i>For Installation With Adhesive, Deduct</i>	-17.16	
10 14 19 00-0047	EA		36" High x 1-1/2" Deep, Molded Plastic Sign Letter/Character, Installed With Studs.....	270.04	19.44
			<i>For Installation With Adhesive, Deduct</i>	-21.28	
10 14 19 00-0048	EA		48" High x 1-1/2" Deep, Molded Plastic Sign Letter/Character, Installed With Studs.....	495.84	25.98
			<i>For Installation With Adhesive, Deduct</i>	-35.19	
10 14 19 00-0049			Cutout Characters <small>(10 14 19)</small>		
10 14 19 00-0050			Satin Finish, Aluminum Characters <small>(10 14 19 00-0049)</small>		
10 14 19 00-0051			1/4" Deep, Satin Finish, Aluminum Characters <small>(10 14 19 00-0050)</small>		
10 14 19 00-0052	EA		2" High x 1/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs.....	36.01	5.65
			<i>For Installation With Adhesive, Deduct</i>	-4.06	
			<i>For Clear Anodized, Add</i>	1.34	
			<i>For Satin Face And Enameled Return, Add</i>	4.70	
			<i>For Color Anodized, Add</i>	6.71	
			<i>For Polished Or Patina Finish, Add</i>	6.71	
			<i>For Polished Anodized Finish, Add</i>	10.07	
10 14 19 00-0053	EA		4" High x 1/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs.....	49.38	6.56
			<i>For Installation With Adhesive, Deduct</i>	-5.09	
			<i>For Clear Anodized, Add</i>	2.32	
			<i>For Satin Face And Enameled Return, Add</i>	8.11	
			<i>For Color Anodized, Add</i>	11.59	
			<i>For Polished Or Patina Finish, Add</i>	11.59	
			<i>For Polished Anodized Finish, Add</i>	17.38	
10 14 19 00-0054	EA		6" High x 1/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs.....	65.79	7.91
			<i>For Installation With Adhesive, Deduct</i>	-6.45	
			<i>For Clear Anodized, Add</i>	3.42	
			<i>For Satin Face And Enameled Return, Add</i>	11.95	
			<i>For Color Anodized, Add</i>	17.08	
			<i>For Polished Or Patina Finish, Add</i>	17.08	
			<i>For Polished Anodized Finish, Add</i>	25.61	
10 14 19 00-0055	EA		8" High x 1/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs.....	80.07	9.04
			<i>For Installation With Adhesive, Deduct</i>	-7.62	
			<i>For Clear Anodized, Add</i>	4.39	
			<i>For Satin Face And Enameled Return, Add</i>	15.37	
			<i>For Color Anodized, Add</i>	21.96	
			<i>For Polished Or Patina Finish, Add</i>	21.96	
			<i>For Polished Anodized Finish, Add</i>	32.93	
10 14 19 00-0056	EA		10" High x 1/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs.....	91.90	10.17
			<i>For Installation With Adhesive, Deduct</i>	-8.66	
			<i>For Clear Anodized, Add</i>	5.12	
			<i>For Satin Face And Enameled Return, Add</i>	17.93	
			<i>For Color Anodized, Add</i>	25.62	
			<i>For Polished Or Patina Finish, Add</i>	25.62	
			<i>For Polished Anodized Finish, Add</i>	38.42	
10 14 19 00-0057	EA		12" High x 1/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs.....	105.55	11.75
			<i>For Installation With Adhesive, Deduct</i>	-9.98	
			<i>For Clear Anodized, Add</i>	5.85	
			<i>For Satin Face And Enameled Return, Add</i>	20.49	
			<i>For Color Anodized, Add</i>	29.27	
			<i>For Polished Or Patina Finish, Add</i>	29.27	
			<i>For Polished Anodized Finish, Add</i>	43.91	
10 14 19 00-0058	EA		14" High x 1/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs.....	123.76	13.56
			<i>For Installation With Adhesive, Deduct</i>	-11.61	
			<i>For Clear Anodized, Add</i>	6.95	
			<i>For Satin Face And Enameled Return, Add</i>	24.33	
			<i>For Color Anodized, Add</i>	34.76	
			<i>For Polished Or Patina Finish, Add</i>	34.76	
			<i>For Polished Anodized Finish, Add</i>	52.14	
10 14 19 00-0059	EA		16" High x 1/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs.....	146.80	16.27
			<i>For Installation With Adhesive, Deduct</i>	-13.85	
			<i>For Clear Anodized, Add</i>	8.17	
			<i>For Satin Face And Enameled Return, Add</i>	28.60	
			<i>For Color Anodized, Add</i>	40.86	
			<i>For Polished Or Patina Finish, Add</i>	40.86	
			<i>For Polished Anodized Finish, Add</i>	61.29	
10 14 19 00-0060	EA		18" High x 1/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs.....	165.02	18.08
			<i>For Installation With Adhesive, Deduct</i>	-15.48	
			<i>For Clear Anodized, Add</i>	9.27	
			<i>For Satin Face And Enameled Return, Add</i>	32.45	
			<i>For Color Anodized, Add</i>	46.35	
			<i>For Polished Or Patina Finish, Add</i>	46.35	
			<i>For Polished Anodized Finish, Add</i>	69.53	
10 14 19 00-0061	EA		20" High x 1/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs.....	197.23	20.34
			<i>For Installation With Adhesive, Deduct</i>	-18.00	
			<i>For Clear Anodized, Add</i>	11.59	
			<i>For Satin Face And Enameled Return, Add</i>	40.55	
			<i>For Color Anodized, Add</i>	57.94	
			<i>For Polished Or Patina Finish, Add</i>	57.94	
			<i>For Polished Anodized Finish, Add</i>	86.90	



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MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 19 00-0062	EA		22" High x 1/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	224.92	21.47
			<i>For Installation With Adhesive, Deduct</i>	-19.83	
			<i>For Clear Anodized, Add</i>	13.90	
			<i>For Satin Face And Enameled Return, Add</i>	48.66	
			<i>For Color Anodized, Add</i>	69.52	
			<i>For Polished Or Patina Finish, Add</i>	69.52	
			<i>For Polished Anodized Finish, Add</i>	104.28	
10 14 19 00-0063	EA		24" High x 1/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	275.79	22.59
			<i>For Installation With Adhesive, Deduct</i>	-22.83	
			<i>For Clear Anodized, Add</i>	18.54	
			<i>For Satin Face And Enameled Return, Add</i>	64.89	
			<i>For Color Anodized, Add</i>	92.70	
			<i>For Polished Or Patina Finish, Add</i>	92.70	
			<i>For Polished Anodized Finish, Add</i>	139.04	
10 14 19 00-0064	EA		30" High x 1/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	391.03	27.12
			<i>For Installation With Adhesive, Deduct</i>	-30.40	
			<i>For Clear Anodized, Add</i>	28.26	
			<i>For Satin Face And Enameled Return, Add</i>	98.90	
			<i>For Color Anodized, Add</i>	141.28	
			<i>For Polished Or Patina Finish, Add</i>	141.28	
			<i>For Polished Anodized Finish, Add</i>	211.92	
10 14 19 00-0065			3/8" Deep, Satin Finish, Aluminum Characters (10 14 19 00-0050)		
10 14 19 00-0066	EA		2" High x 3/8" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	44.59	5.65
			<i>For Installation With Adhesive, Deduct</i>	-4.49	
			<i>For Clear Anodized, Add</i>	2.20	
			<i>For Satin Face And Enameled Return, Add</i>	7.70	
			<i>For Color Anodized, Add</i>	11.00	
			<i>For Polished Or Patina Finish, Add</i>	11.00	
			<i>For Polished Anodized Finish, Add</i>	16.50	
10 14 19 00-0067	EA		4" High x 3/8" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	62.82	6.56
			<i>For Installation With Adhesive, Deduct</i>	-5.76	
			<i>For Clear Anodized, Add</i>	3.66	
			<i>For Satin Face And Enameled Return, Add</i>	12.81	
			<i>For Color Anodized, Add</i>	18.31	
			<i>For Polished Or Patina Finish, Add</i>	18.31	
			<i>For Polished Anodized Finish, Add</i>	27.46	
10 14 19 00-0068	EA		6" High x 3/8" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	79.11	7.91
			<i>For Installation With Adhesive, Deduct</i>	-7.12	
			<i>For Clear Anodized, Add</i>	4.75	
			<i>For Satin Face And Enameled Return, Add</i>	16.61	
			<i>For Color Anodized, Add</i>	23.74	
			<i>For Polished Or Patina Finish, Add</i>	23.74	
			<i>For Polished Anodized Finish, Add</i>	35.60	
10 14 19 00-0069	EA		8" High x 3/8" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	98.51	9.04
			<i>For Installation With Adhesive, Deduct</i>	-8.54	
			<i>For Clear Anodized, Add</i>	6.24	
			<i>For Satin Face And Enameled Return, Add</i>	21.82	
			<i>For Color Anodized, Add</i>	31.18	
			<i>For Polished Or Patina Finish, Add</i>	31.18	
			<i>For Polished Anodized Finish, Add</i>	46.76	
10 14 19 00-0070	EA		10" High x 3/8" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	113.92	10.17
			<i>For Installation With Adhesive, Deduct</i>	-9.76	
			<i>For Clear Anodized, Add</i>	7.33	
			<i>For Satin Face And Enameled Return, Add</i>	25.64	
			<i>For Color Anodized, Add</i>	36.63	
			<i>For Polished Or Patina Finish, Add</i>	36.63	
			<i>For Polished Anodized Finish, Add</i>	54.94	
10 14 19 00-0071	EA		12" High x 3/8" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	133.66	11.75
			<i>For Installation With Adhesive, Deduct</i>	-11.38	
			<i>For Clear Anodized, Add</i>	8.67	
			<i>For Satin Face And Enameled Return, Add</i>	30.33	
			<i>For Color Anodized, Add</i>	43.33	
			<i>For Polished Or Patina Finish, Add</i>	43.33	
			<i>For Polished Anodized Finish, Add</i>	64.99	
10 14 19 00-0072	EA		14" High x 3/8" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	156.44	13.56
			<i>For Installation With Adhesive, Deduct</i>	-13.25	
			<i>For Clear Anodized, Add</i>	10.22	
			<i>For Satin Face And Enameled Return, Add</i>	35.77	
			<i>For Color Anodized, Add</i>	51.10	
			<i>For Polished Or Patina Finish, Add</i>	51.10	
			<i>For Polished Anodized Finish, Add</i>	76.65	
10 14 19 00-0073	EA		16" High x 3/8" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	193.38	16.27
			<i>For Installation With Adhesive, Deduct</i>	-16.18	
			<i>For Clear Anodized, Add</i>	12.83	
			<i>For Satin Face And Enameled Return, Add</i>	44.91	
			<i>For Color Anodized, Add</i>	64.15	
			<i>For Polished Or Patina Finish, Add</i>	64.15	
			<i>For Polished Anodized Finish, Add</i>	96.23	
10 14 19 00-0074	EA		18" High x 3/8" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	223.41	18.08
			<i>For Installation With Adhesive, Deduct</i>	-18.40	
			<i>For Clear Anodized, Add</i>	15.11	
			<i>For Satin Face And Enameled Return, Add</i>	52.88	
			<i>For Color Anodized, Add</i>	75.55	
			<i>For Polished Or Patina Finish, Add</i>	75.55	
			<i>For Polished Anodized Finish, Add</i>	113.32	

10 Specialties**10 10 Information Specialties****10 14 Signage**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 19 00-0075	EA	20" High x 3/8" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs.....	258.64	20.34
		<i>For Installation With Adhesive, Deduct</i>	-21.07	
		<i>For Clear Anodized, Add</i>	17.73	
		<i>For Satin Face And Enameled Return, Add</i>	62.05	
		<i>For Color Anodized, Add</i>	88.64	
		<i>For Polished Or Patina Finish, Add</i>	88.64	
		<i>For Polished Anodized Finish, Add</i>	132.96	
10 14 19 00-0076	EA	22" High x 3/8" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs.....	288.88	21.47
		<i>For Installation With Adhesive, Deduct</i>	-23.03	
		<i>For Clear Anodized, Add</i>	20.30	
		<i>For Satin Face And Enameled Return, Add</i>	71.05	
		<i>For Color Anodized, Add</i>	101.50	
		<i>For Polished Or Patina Finish, Add</i>	101.50	
		<i>For Polished Anodized Finish, Add</i>	152.25	
10 14 19 00-0077	EA	24" High x 3/8" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs.....	320.29	22.59
		<i>For Installation With Adhesive, Deduct</i>	-25.05	
		<i>For Clear Anodized, Add</i>	22.99	
		<i>For Satin Face And Enameled Return, Add</i>	80.46	
		<i>For Color Anodized, Add</i>	114.95	
		<i>For Polished Or Patina Finish, Add</i>	114.95	
		<i>For Polished Anodized Finish, Add</i>	172.42	
10 14 19 00-0078	EA	30" High x 3/8" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs.....	437.78	27.12
		<i>For Installation With Adhesive, Deduct</i>	-32.74	
		<i>For Clear Anodized, Add</i>	32.93	
		<i>For Satin Face And Enameled Return, Add</i>	115.26	
		<i>For Color Anodized, Add</i>	164.66	
		<i>For Polished Or Patina Finish, Add</i>	164.66	
		<i>For Polished Anodized Finish, Add</i>	246.98	
10 14 19 00-0079		1/2" Deep, Satin Finish, Aluminum Characters (10 14 19 00-0050)		
10 14 19 00-0080	EA	2" High x 1/2" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs.....	54.52	5.65
		<i>For Installation With Adhesive, Deduct</i>	-4.99	
		<i>For Clear Anodized, Add</i>	3.19	
		<i>For Satin Face And Enameled Return, Add</i>	11.18	
		<i>For Color Anodized, Add</i>	15.97	
		<i>For Polished Or Patina Finish, Add</i>	15.97	
		<i>For Polished Anodized Finish, Add</i>	23.95	
10 14 19 00-0081	EA	4" High x 1/2" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs.....	70.01	6.56
		<i>For Installation With Adhesive, Deduct</i>	-6.12	
		<i>For Clear Anodized, Add</i>	4.38	
		<i>For Satin Face And Enameled Return, Add</i>	15.33	
		<i>For Color Anodized, Add</i>	21.90	
		<i>For Polished Or Patina Finish, Add</i>	21.90	
		<i>For Polished Anodized Finish, Add</i>	32.85	
10 14 19 00-0082	EA	6" High x 1/2" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs.....	87.65	7.91
		<i>For Installation With Adhesive, Deduct</i>	-7.55	
		<i>For Clear Anodized, Add</i>	5.60	
		<i>For Satin Face And Enameled Return, Add</i>	19.60	
		<i>For Color Anodized, Add</i>	28.01	
		<i>For Polished Or Patina Finish, Add</i>	28.01	
		<i>For Polished Anodized Finish, Add</i>	42.01	
10 14 19 00-0083	EA	8" High x 1/2" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs.....	103.34	9.04
		<i>For Installation With Adhesive, Deduct</i>	-8.78	
		<i>For Clear Anodized, Add</i>	6.72	
		<i>For Satin Face And Enameled Return, Add</i>	23.51	
		<i>For Color Anodized, Add</i>	33.59	
		<i>For Polished Or Patina Finish, Add</i>	33.59	
		<i>For Polished Anodized Finish, Add</i>	50.39	
10 14 19 00-0084	EA	10" High x 1/2" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs.....	120.07	10.17
		<i>For Installation With Adhesive, Deduct</i>	-10.07	
		<i>For Clear Anodized, Add</i>	7.94	
		<i>For Satin Face And Enameled Return, Add</i>	27.79	
		<i>For Color Anodized, Add</i>	39.70	
		<i>For Polished Or Patina Finish, Add</i>	39.70	
		<i>For Polished Anodized Finish, Add</i>	59.55	
10 14 19 00-0085	EA	12" High x 1/2" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs.....	147.12	11.75
		<i>For Installation With Adhesive, Deduct</i>	-12.06	
		<i>For Clear Anodized, Add</i>	10.01	
		<i>For Satin Face And Enameled Return, Add</i>	35.04	
		<i>For Color Anodized, Add</i>	50.06	
		<i>For Polished Or Patina Finish, Add</i>	50.06	
		<i>For Polished Anodized Finish, Add</i>	75.08	
10 14 19 00-0086	EA	14" High x 1/2" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs.....	180.77	13.56
		<i>For Installation With Adhesive, Deduct</i>	-14.46	
		<i>For Clear Anodized, Add</i>	12.65	
		<i>For Satin Face And Enameled Return, Add</i>	44.29	
		<i>For Color Anodized, Add</i>	63.27	
		<i>For Polished Or Patina Finish, Add</i>	63.27	
		<i>For Polished Anodized Finish, Add</i>	94.90	
10 14 19 00-0087	EA	16" High x 1/2" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs.....	218.71	16.27
		<i>For Installation With Adhesive, Deduct</i>	-17.44	
		<i>For Clear Anodized, Add</i>	15.36	
		<i>For Satin Face And Enameled Return, Add</i>	53.77	
		<i>For Color Anodized, Add</i>	76.82	
		<i>For Polished Or Patina Finish, Add</i>	76.82	
		<i>For Polished Anodized Finish, Add</i>	115.22	



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MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 19 00-0088	EA		18" High x 1/2" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	264.20	18.08
			<i>For Installation With Adhesive, Deduct</i>	-20.44	
			<i>For Clear Anodized, Add</i>	19.19	
			<i>For Satin Face And Enameled Return, Add</i>	67.16	
			<i>For Color Anodized, Add</i>	95.94	
			<i>For Polished Or Patina Finish, Add</i>	95.94	
			<i>For Polished Anodized Finish, Add</i>	143.91	
10 14 19 00-0089	EA		20" High x 1/2" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	310.78	20.34
			<i>For Installation With Adhesive, Deduct</i>	-23.68	
			<i>For Clear Anodized, Add</i>	22.94	
			<i>For Satin Face And Enameled Return, Add</i>	80.30	
			<i>For Color Anodized, Add</i>	114.71	
			<i>For Polished Or Patina Finish, Add</i>	114.71	
			<i>For Polished Anodized Finish, Add</i>	172.07	
10 14 19 00-0090	EA		22" High x 1/2" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	355.62	21.47
			<i>For Installation With Adhesive, Deduct</i>	-26.37	
			<i>For Clear Anodized, Add</i>	26.97	
			<i>For Satin Face And Enameled Return, Add</i>	94.41	
			<i>For Color Anodized, Add</i>	134.87	
			<i>For Polished Or Patina Finish, Add</i>	134.87	
			<i>For Polished Anodized Finish, Add</i>	202.31	
10 14 19 00-0091	EA		24" High x 1/2" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	398.15	22.59
			<i>For Installation With Adhesive, Deduct</i>	-28.95	
			<i>For Clear Anodized, Add</i>	30.78	
			<i>For Satin Face And Enameled Return, Add</i>	107.71	
			<i>For Color Anodized, Add</i>	153.88	
			<i>For Polished Or Patina Finish, Add</i>	153.88	
			<i>For Polished Anodized Finish, Add</i>	230.81	
10 14 19 00-0092	EA		30" High x 1/2" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	549.75	27.12
			<i>For Installation With Adhesive, Deduct</i>	-38.33	
			<i>For Clear Anodized, Add</i>	44.13	
			<i>For Satin Face And Enameled Return, Add</i>	154.45	
			<i>For Color Anodized, Add</i>	220.64	
			<i>For Polished Or Patina Finish, Add</i>	220.64	
			<i>For Polished Anodized Finish, Add</i>	330.96	
10 14 19 00-0093			3/4" Deep, Satin Finish, Aluminum Characters <small>(10 14 19 00-0050)</small>		
10 14 19 00-0094	EA		2" High x 3/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	56.80	5.65
			<i>For Installation With Adhesive, Deduct</i>	-5.10	
			<i>For Clear Anodized, Add</i>	3.42	
			<i>For Satin Face And Enameled Return, Add</i>	11.97	
			<i>For Color Anodized, Add</i>	17.11	
			<i>For Polished Or Patina Finish, Add</i>	17.11	
			<i>For Polished Anodized Finish, Add</i>	25.66	
10 14 19 00-0095	EA		4" High x 3/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	72.56	6.56
			<i>For Installation With Adhesive, Deduct</i>	-6.25	
			<i>For Clear Anodized, Add</i>	4.64	
			<i>For Satin Face And Enameled Return, Add</i>	16.22	
			<i>For Color Anodized, Add</i>	23.18	
			<i>For Polished Or Patina Finish, Add</i>	23.18	
			<i>For Polished Anodized Finish, Add</i>	34.76	
10 14 19 00-0096	EA		6" High x 3/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	95.16	7.91
			<i>For Installation With Adhesive, Deduct</i>	-7.92	
			<i>For Clear Anodized, Add</i>	6.35	
			<i>For Satin Face And Enameled Return, Add</i>	22.23	
			<i>For Color Anodized, Add</i>	31.76	
			<i>For Polished Or Patina Finish, Add</i>	31.76	
			<i>For Polished Anodized Finish, Add</i>	47.64	
10 14 19 00-0097	EA		8" High x 3/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	125.29	9.04
			<i>For Installation With Adhesive, Deduct</i>	-9.88	
			<i>For Clear Anodized, Add</i>	8.91	
			<i>For Satin Face And Enameled Return, Add</i>	31.20	
			<i>For Color Anodized, Add</i>	44.57	
			<i>For Polished Or Patina Finish, Add</i>	44.57	
			<i>For Polished Anodized Finish, Add</i>	66.85	
10 14 19 00-0098	EA		10" High x 3/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	156.44	10.17
			<i>For Installation With Adhesive, Deduct</i>	-11.89	
			<i>For Clear Anodized, Add</i>	11.58	
			<i>For Satin Face And Enameled Return, Add</i>	40.52	
			<i>For Color Anodized, Add</i>	57.89	
			<i>For Polished Or Patina Finish, Add</i>	57.89	
			<i>For Polished Anodized Finish, Add</i>	86.83	
10 14 19 00-0099	EA		12" High x 3/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	195.71	11.75
			<i>For Installation With Adhesive, Deduct</i>	-14.49	
			<i>For Clear Anodized, Add</i>	14.87	
			<i>For Satin Face And Enameled Return, Add</i>	52.05	
			<i>For Color Anodized, Add</i>	74.35	
			<i>For Polished Or Patina Finish, Add</i>	74.35	
			<i>For Polished Anodized Finish, Add</i>	111.53	
10 14 19 00-0100	EA		14" High x 3/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	243.34	13.56
			<i>For Installation With Adhesive, Deduct</i>	-17.59	
			<i>For Clear Anodized, Add</i>	18.91	
			<i>For Satin Face And Enameled Return, Add</i>	66.19	
			<i>For Color Anodized, Add</i>	94.55	
			<i>For Polished Or Patina Finish, Add</i>	94.55	
			<i>For Polished Anodized Finish, Add</i>	141.83	

10 Specialties**10 10 Information Specialties****10 14 Signage**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 19 00-0101	EA		16" High x 3/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs.....	300.43	16.27
			<i>For Installation With Adhesive, Deduct</i>	-21.53	
			<i>For Clear Anodized, Add</i>	23.54	
			<i>For Satin Face And Enameled Return, Add</i>	82.37	
			<i>For Color Anodized, Add</i>	117.68	
			<i>For Polished Or Patina Finish, Add</i>	117.68	
			<i>For Polished Anodized Finish, Add</i>	176.51	
10 14 19 00-0102	EA		18" High x 3/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs.....	366.17	18.08
			<i>For Installation With Adhesive, Deduct</i>	-25.54	
			<i>For Clear Anodized, Add</i>	29.39	
			<i>For Satin Face And Enameled Return, Add</i>	102.85	
			<i>For Color Anodized, Add</i>	146.93	
			<i>For Polished Or Patina Finish, Add</i>	146.93	
			<i>For Polished Anodized Finish, Add</i>	220.39	
10 14 19 00-0103	EA		20" High x 3/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs.....	434.76	20.34
			<i>For Installation With Adhesive, Deduct</i>	-29.87	
			<i>For Clear Anodized, Add</i>	35.34	
			<i>For Satin Face And Enameled Return, Add</i>	123.69	
			<i>For Color Anodized, Add</i>	176.70	
			<i>For Polished Or Patina Finish, Add</i>	176.70	
			<i>For Polished Anodized Finish, Add</i>	265.05	
10 14 19 00-0104	EA		22" High x 3/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs.....	503.01	21.47
			<i>For Installation With Adhesive, Deduct</i>	-33.74	
			<i>For Clear Anodized, Add</i>	41.71	
			<i>For Satin Face And Enameled Return, Add</i>	146.00	
			<i>For Color Anodized, Add</i>	208.57	
			<i>For Polished Or Patina Finish, Add</i>	208.57	
			<i>For Polished Anodized Finish, Add</i>	312.85	
10 14 19 00-0105	EA		24" High x 3/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs.....	574.27	22.59
			<i>For Installation With Adhesive, Deduct</i>	-37.75	
			<i>For Clear Anodized, Add</i>	48.39	
			<i>For Satin Face And Enameled Return, Add</i>	169.35	
			<i>For Color Anodized, Add</i>	241.94	
			<i>For Polished Or Patina Finish, Add</i>	241.94	
			<i>For Polished Anodized Finish, Add</i>	362.90	
10 14 19 00-0106	EA		30" High x 3/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs.....	786.86	27.12
			<i>For Installation With Adhesive, Deduct</i>	-50.19	
			<i>For Clear Anodized, Add</i>	67.84	
			<i>For Satin Face And Enameled Return, Add</i>	237.44	
			<i>For Color Anodized, Add</i>	339.20	
			<i>For Polished Or Patina Finish, Add</i>	339.20	
			<i>For Polished Anodized Finish, Add</i>	508.79	
10 14 19 00-0107			1" Deep, Satin Finish, Aluminum Characters <small>(10 14 19 00-0050)</small>		
10 14 19 00-0108	EA		2" High x 1" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs.....	62.84	5.65
			<i>For Installation With Adhesive, Deduct</i>	-5.40	
			<i>For Clear Anodized, Add</i>	4.03	
			<i>For Satin Face And Enameled Return, Add</i>	14.09	
			<i>For Color Anodized, Add</i>	20.13	
			<i>For Polished Or Patina Finish, Add</i>	20.13	
			<i>For Polished Anodized Finish, Add</i>	30.19	
10 14 19 00-0109	EA		4" High x 1" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs.....	77.42	6.56
			<i>For Installation With Adhesive, Deduct</i>	-6.49	
			<i>For Clear Anodized, Add</i>	5.12	
			<i>For Satin Face And Enameled Return, Add</i>	17.92	
			<i>For Color Anodized, Add</i>	25.61	
			<i>For Polished Or Patina Finish, Add</i>	25.61	
			<i>For Polished Anodized Finish, Add</i>	38.41	
10 14 19 00-0110	EA		6" High x 1" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs.....	101.31	7.91
			<i>For Installation With Adhesive, Deduct</i>	-8.23	
			<i>For Clear Anodized, Add</i>	6.97	
			<i>For Satin Face And Enameled Return, Add</i>	24.38	
			<i>For Color Anodized, Add</i>	34.84	
			<i>For Polished Or Patina Finish, Add</i>	34.84	
			<i>For Polished Anodized Finish, Add</i>	52.25	
10 14 19 00-0111	EA		8" High x 1" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs.....	137.59	9.04
			<i>For Installation With Adhesive, Deduct</i>	-10.50	
			<i>For Clear Anodized, Add</i>	10.14	
			<i>For Satin Face And Enameled Return, Add</i>	35.50	
			<i>For Color Anodized, Add</i>	50.72	
			<i>For Polished Or Patina Finish, Add</i>	50.72	
			<i>For Polished Anodized Finish, Add</i>	76.07	
10 14 19 00-0112	EA		10" High x 1" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs.....	185.64	10.17
			<i>For Installation With Adhesive, Deduct</i>	-13.35	
			<i>For Clear Anodized, Add</i>	14.50	
			<i>For Satin Face And Enameled Return, Add</i>	50.74	
			<i>For Color Anodized, Add</i>	72.49	
			<i>For Polished Or Patina Finish, Add</i>	72.49	
			<i>For Polished Anodized Finish, Add</i>	108.73	
10 14 19 00-0113	EA		12" High x 1" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs.....	241.96	11.75
			<i>For Installation With Adhesive, Deduct</i>	-16.80	
			<i>For Clear Anodized, Add</i>	19.50	
			<i>For Satin Face And Enameled Return, Add</i>	68.23	
			<i>For Color Anodized, Add</i>	97.48	
			<i>For Polished Or Patina Finish, Add</i>	97.48	
			<i>For Polished Anodized Finish, Add</i>	146.21	



Specialties	10
Information Specialties	10 10
Signage	10 14

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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 19 00-0114 EA 14" High x 1" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	305.21	13.56
For Installation With Adhesive, Deduct	-20.68	
For Clear Anodized, Add	25.10	
For Satin Face And Enameled Return, Add	87.84	
For Color Anodized, Add	125.49	
For Polished Or Patina Finish, Add	125.49	
For Polished Anodized Finish, Add	188.23	
10 14 19 00-0115 EA 16" High x 1" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	378.88	16.27
For Installation With Adhesive, Deduct	-25.45	
For Clear Anodized, Add	31.38	
For Satin Face And Enameled Return, Add	109.83	
For Color Anodized, Add	156.90	
For Polished Or Patina Finish, Add	156.90	
For Polished Anodized Finish, Add	235.35	
10 14 19 00-0116 EA 18" High x 1" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	457.93	18.08
For Installation With Adhesive, Deduct	-30.13	
For Clear Anodized, Add	38.56	
For Satin Face And Enameled Return, Add	134.96	
For Color Anodized, Add	192.81	
For Polished Or Patina Finish, Add	192.81	
For Polished Anodized Finish, Add	289.21	
10 14 19 00-0117 EA 20" High x 1" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	562.22	20.34
For Installation With Adhesive, Deduct	-36.25	
For Clear Anodized, Add	48.09	
For Satin Face And Enameled Return, Add	168.30	
For Color Anodized, Add	240.43	
For Polished Or Patina Finish, Add	240.43	
For Polished Anodized Finish, Add	360.65	
10 14 19 00-0118 EA 22" High x 1" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	668.47	21.47
For Installation With Adhesive, Deduct	-42.01	
For Clear Anodized, Add	58.26	
For Satin Face And Enameled Return, Add	203.91	
For Color Anodized, Add	291.30	
For Polished Or Patina Finish, Add	291.30	
For Polished Anodized Finish, Add	436.94	
10 14 19 00-0119 EA 24" High x 1" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	787.47	22.59
For Installation With Adhesive, Deduct	-48.41	
For Clear Anodized, Add	69.71	
For Satin Face And Enameled Return, Add	243.97	
For Color Anodized, Add	348.54	
For Polished Or Patina Finish, Add	348.54	
For Polished Anodized Finish, Add	522.80	
10 14 19 00-0120 EA 30" High x 1" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	1,109.58	27.12
For Installation With Adhesive, Deduct	-66.33	
For Clear Anodized, Add	100.11	
For Satin Face And Enameled Return, Add	350.39	
For Color Anodized, Add	500.56	
For Polished Or Patina Finish, Add	500.56	
For Polished Anodized Finish, Add	750.83	
10 14 19 00-0121 Satin Finish, Brass Characters <small>(10 14 19 00-0049)</small>		
10 14 19 00-0122 1/4" Deep, Satin Finish, Brass Characters <small>(10 14 19 00-0121)</small>		
10 14 19 00-0123 EA 2" High x 1/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	51.30	5.65
For Installation With Adhesive, Deduct	-4.82	
For Oxidized Finish, Add	4.31	
For Polished Finish, Add	8.61	
10 14 19 00-0124 EA 4" High x 1/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	66.16	6.56
For Installation With Adhesive, Deduct	-5.93	
For Oxidized Finish, Add	5.99	
For Polished Finish, Add	11.99	
10 14 19 00-0125 EA 6" High x 1/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	91.11	7.91
For Installation With Adhesive, Deduct	-7.72	
For Oxidized Finish, Add	8.92	
For Polished Finish, Add	17.84	
10 14 19 00-0126 EA 8" High x 1/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	119.21	9.04
For Installation With Adhesive, Deduct	-9.58	
For Oxidized Finish, Add	12.46	
For Polished Finish, Add	24.92	
10 14 19 00-0127 EA 10" High x 1/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	152.43	10.17
For Installation With Adhesive, Deduct	-11.69	
For Oxidized Finish, Add	16.76	
For Polished Finish, Add	33.53	
10 14 19 00-0128 EA 12" High x 1/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	192.61	11.75
For Installation With Adhesive, Deduct	-14.33	
For Oxidized Finish, Add	21.84	
For Polished Finish, Add	43.68	
10 14 19 00-0129 EA 14" High x 1/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	240.85	13.56
For Installation With Adhesive, Deduct	-17.47	
For Oxidized Finish, Add	27.99	
For Polished Finish, Add	55.98	
10 14 19 00-0130 EA 16" High x 1/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	293.73	16.27
For Installation With Adhesive, Deduct	-21.19	
For Oxidized Finish, Add	34.30	
For Polished Finish, Add	68.60	

10	Specialties
10 10	Information Specialties
10 14	Signage



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 19 00-0131	EA		18" High x 1/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	356.48	18.08
			<i>For Installation With Adhesive, Deduct</i>	-25.06	
			<i>For Oxidized Finish, Add</i>	42.62	
			<i>For Polished Finish, Add</i>	85.25	
10 14 19 00-0132	EA		20" High x 1/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	423.82	20.34
			<i>For Installation With Adhesive, Deduct</i>	-29.33	
			<i>For Oxidized Finish, Add</i>	51.37	
			<i>For Polished Finish, Add</i>	102.74	
10 14 19 00-0133	EA		22" High x 1/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	520.62	21.47
			<i>For Installation With Adhesive, Deduct</i>	-34.62	
			<i>For Oxidized Finish, Add</i>	65.21	
			<i>For Polished Finish, Add</i>	130.42	
10 14 19 00-0134	EA		24" High x 1/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	570.84	22.59
			<i>For Installation With Adhesive, Deduct</i>	-37.58	
			<i>For Oxidized Finish, Add</i>	72.07	
			<i>For Polished Finish, Add</i>	144.13	
10 14 19 00-0135	EA		30" High x 1/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	857.59	27.12
			<i>For Installation With Adhesive, Deduct</i>	-53.73	
			<i>For Oxidized Finish, Add</i>	112.37	
			<i>For Polished Finish, Add</i>	224.74	
10 14 19 00-0136			3/8" Deep, Satin Finish, Brass Characters (10 14 19 00-0121)		
10 14 19 00-0137	EA		2" High x 3/8" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	61.35	5.65
			<i>For Installation With Adhesive, Deduct</i>	-5.33	
			<i>For Oxidized Finish, Add</i>	5.81	
			<i>For Polished Finish, Add</i>	11.63	
10 14 19 00-0138	EA		4" High x 3/8" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	80.14	6.56
			<i>For Installation With Adhesive, Deduct</i>	-6.63	
			<i>For Oxidized Finish, Add</i>	8.09	
			<i>For Polished Finish, Add</i>	16.18	
10 14 19 00-0139	EA		6" High x 3/8" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	114.90	7.91
			<i>For Installation With Adhesive, Deduct</i>	-8.91	
			<i>For Oxidized Finish, Add</i>	12.49	
			<i>For Polished Finish, Add</i>	24.98	
10 14 19 00-0140	EA		8" High x 3/8" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	152.43	9.04
			<i>For Installation With Adhesive, Deduct</i>	-11.24	
			<i>For Oxidized Finish, Add</i>	17.44	
			<i>For Polished Finish, Add</i>	34.88	
10 14 19 00-0141	EA		10" High x 3/8" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	202.72	10.17
			<i>For Installation With Adhesive, Deduct</i>	-14.20	
			<i>For Oxidized Finish, Add</i>	24.31	
			<i>For Polished Finish, Add</i>	48.62	
10 14 19 00-0142	EA		12" High x 3/8" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	258.12	11.75
			<i>For Installation With Adhesive, Deduct</i>	-17.61	
			<i>For Oxidized Finish, Add</i>	31.67	
			<i>For Polished Finish, Add</i>	63.33	
10 14 19 00-0143	EA		14" High x 3/8" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	324.82	13.56
			<i>For Installation With Adhesive, Deduct</i>	-21.67	
			<i>For Oxidized Finish, Add</i>	40.59	
			<i>For Polished Finish, Add</i>	81.17	
10 14 19 00-0144	EA		16" High x 3/8" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	385.19	16.27
			<i>For Installation With Adhesive, Deduct</i>	-25.77	
			<i>For Oxidized Finish, Add</i>	48.02	
			<i>For Polished Finish, Add</i>	96.03	
10 14 19 00-0145	EA		18" High x 3/8" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	484.35	18.08
			<i>For Installation With Adhesive, Deduct</i>	-31.45	
			<i>For Oxidized Finish, Add</i>	61.80	
			<i>For Polished Finish, Add</i>	123.61	
10 14 19 00-0146	EA		20" High x 3/8" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	560.80	20.34
			<i>For Installation With Adhesive, Deduct</i>	-36.18	
			<i>For Oxidized Finish, Add</i>	71.92	
			<i>For Polished Finish, Add</i>	143.83	
10 14 19 00-0147	EA		22" High x 3/8" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	690.17	21.47
			<i>For Installation With Adhesive, Deduct</i>	-43.10	
			<i>For Oxidized Finish, Add</i>	90.64	
			<i>For Polished Finish, Add</i>	181.29	
10 14 19 00-0148	EA		24" High x 3/8" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	787.04	22.59
			<i>For Installation With Adhesive, Deduct</i>	-48.39	
			<i>For Oxidized Finish, Add</i>	104.50	
			<i>For Polished Finish, Add</i>	208.99	
10 14 19 00-0149	EA		30" High x 3/8" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	1,089.82	27.12
			<i>For Installation With Adhesive, Deduct</i>	-65.34	
			<i>For Oxidized Finish, Add</i>	147.20	
			<i>For Polished Finish, Add</i>	294.41	
10 14 19 00-0150			1/2" Deep, Satin Finish, Brass Characters (10 14 19 00-0121)		
10 14 19 00-0151	EA		2" High x 1/2" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	77.14	5.65
			<i>For Installation With Adhesive, Deduct</i>	-6.12	
			<i>For Oxidized Finish, Add</i>	8.18	
			<i>For Polished Finish, Add</i>	16.37	



Specialties	10
Information Specialties	10 10
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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 19 00-0152 EA 4" High x 1/2" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs <i>For Installation With Adhesive, Deduct</i> <i>For Oxidized Finish, Add</i> <i>For Polished Finish, Add</i>	100.11 -7.63 11.09 22.17	6.56
10 14 19 00-0153 EA 6" High x 1/2" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs <i>For Installation With Adhesive, Deduct</i> <i>For Oxidized Finish, Add</i> <i>For Polished Finish, Add</i>	144.63 -10.40 16.95 33.90	7.91
10 14 19 00-0154 EA 8" High x 1/2" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs <i>For Installation With Adhesive, Deduct</i> <i>For Oxidized Finish, Add</i> <i>For Polished Finish, Add</i>	198.11 -13.52 24.29 48.59	9.04
10 14 19 00-0155 EA 10" High x 1/2" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs <i>For Installation With Adhesive, Deduct</i> <i>For Oxidized Finish, Add</i> <i>For Polished Finish, Add</i>	275.37 -17.84 35.21 70.41	10.17
10 14 19 00-0156 EA 12" High x 1/2" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs <i>For Installation With Adhesive, Deduct</i> <i>For Oxidized Finish, Add</i> <i>For Polished Finish, Add</i>	367.32 -23.07 48.05 96.09	11.75
10 14 19 00-0157 EA 14" High x 1/2" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs <i>For Installation With Adhesive, Deduct</i> <i>For Oxidized Finish, Add</i> <i>For Polished Finish, Add</i>	455.45 -28.20 60.18 120.36	13.56
10 14 19 00-0158 EA 16" High x 1/2" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs <i>For Installation With Adhesive, Deduct</i> <i>For Oxidized Finish, Add</i> <i>For Polished Finish, Add</i>	542.95 -33.66 71.68 143.36	16.27
10 14 19 00-0159 EA 18" High x 1/2" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs <i>For Installation With Adhesive, Deduct</i> <i>For Oxidized Finish, Add</i> <i>For Polished Finish, Add</i>	740.10 -44.24 100.17 200.33	18.08
10 14 19 00-0160 EA 20" High x 1/2" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs <i>For Installation With Adhesive, Deduct</i> <i>For Oxidized Finish, Add</i> <i>For Polished Finish, Add</i>	834.77 -49.87 113.01 226.02	20.34
10 14 19 00-0161 EA 22" High x 1/2" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs <i>For Installation With Adhesive, Deduct</i> <i>For Oxidized Finish, Add</i> <i>For Polished Finish, Add</i>	1,042.30 -60.70 143.46 286.93	21.47
10 14 19 00-0162 EA 24" High x 1/2" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs <i>For Installation With Adhesive, Deduct</i> <i>For Oxidized Finish, Add</i> <i>For Polished Finish, Add</i>	1,219.43 -70.01 169.35 338.71	22.59
10 14 19 00-0163 EA 30" High x 1/2" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs <i>For Installation With Adhesive, Deduct</i> <i>For Oxidized Finish, Add</i> <i>For Polished Finish, Add</i>	1,838.94 -102.79 259.57 519.14	27.12
10 14 19 00-0164 3/4" Deep, Satin Finish, Brass Characters <small>(10 14 19 00-0121)</small>		
10 14 19 00-0165 EA 2" High x 3/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs <i>For Installation With Adhesive, Deduct</i> <i>For Oxidized Finish, Add</i> <i>For Polished Finish, Add</i>	94.36 -6.98 10.77 21.53	5.65
10 14 19 00-0166 EA 4" High x 3/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs <i>For Installation With Adhesive, Deduct</i> <i>For Oxidized Finish, Add</i> <i>For Polished Finish, Add</i>	132.07 -9.22 15.88 31.76	6.56
10 14 19 00-0167 EA 6" High x 3/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs <i>For Installation With Adhesive, Deduct</i> <i>For Oxidized Finish, Add</i> <i>For Polished Finish, Add</i>	180.31 -12.18 22.30 44.60	7.91
10 14 19 00-0168 EA 8" High x 3/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs <i>For Installation With Adhesive, Deduct</i> <i>For Oxidized Finish, Add</i> <i>For Polished Finish, Add</i>	243.79 -15.81 31.14 62.29	9.04
10 14 19 00-0169 EA 10" High x 3/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs <i>For Installation With Adhesive, Deduct</i> <i>For Oxidized Finish, Add</i> <i>For Polished Finish, Add</i>	331.25 -20.63 43.59 87.17	10.17
10 14 19 00-0170 EA 12" High x 3/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs <i>For Installation With Adhesive, Deduct</i> <i>For Oxidized Finish, Add</i> <i>For Polished Finish, Add</i>	454.68 -27.44 61.15 122.30	11.75
10 14 19 00-0171 EA 14" High x 3/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs <i>For Installation With Adhesive, Deduct</i> <i>For Oxidized Finish, Add</i> <i>For Polished Finish, Add</i>	567.42 -33.80 76.98 153.95	13.56
10 14 19 00-0172 EA 16" High x 3/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs <i>For Installation With Adhesive, Deduct</i> <i>For Oxidized Finish, Add</i> <i>For Polished Finish, Add</i>	661.85 -39.60 89.52 179.03	16.27

10	Specialties
10 10	Information Specialties
10 14	Signage



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 19 00-0173 EA 18" High x 3/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	882.18	18.08
For Installation With Adhesive, Deduct	-51.34	
For Oxidized Finish, Add	121.48	
For Polished Finish, Add	242.96	
10 14 19 00-0174 EA 20" High x 3/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	964.90	20.34
For Installation With Adhesive, Deduct	-56.38	
For Oxidized Finish, Add	132.53	
For Polished Finish, Add	265.06	
10 14 19 00-0175 EA 22" High x 3/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	1,224.89	21.47
For Installation With Adhesive, Deduct	-69.83	
For Oxidized Finish, Add	170.85	
For Polished Finish, Add	341.70	
10 14 19 00-0176 EA 24" High x 3/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	1,555.74	22.59
For Installation With Adhesive, Deduct	-86.83	
For Oxidized Finish, Add	219.80	
For Polished Finish, Add	439.60	
10 14 19 00-0177 EA 30" High x 3/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	2,348.34	27.12
For Installation With Adhesive, Deduct	-128.26	
For Oxidized Finish, Add	335.98	
For Polished Finish, Add	671.96	
10 14 19 00-0178 Satin Finish, Bronze Characters (10 14 19 00-0049)		
10 14 19 00-0179 1/4" Deep, Satin Finish, Bronze Characters (10 14 19 00-0178)		
10 14 19 00-0180 EA 2" High x 1/4" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	53.46	5.65
For Installation With Adhesive, Deduct	-4.93	
For Oxidized Finish, Add	4.63	
For Polished Or Patina Finish, Add	9.26	
10 14 19 00-0181 EA 4" High x 1/4" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	69.21	6.56
For Installation With Adhesive, Deduct	-6.08	
For Oxidized Finish, Add	6.45	
For Polished Or Patina Finish, Add	12.90	
10 14 19 00-0182 EA 6" High x 1/4" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	95.58	7.91
For Installation With Adhesive, Deduct	-7.94	
For Oxidized Finish, Add	9.59	
For Polished Or Patina Finish, Add	19.18	
10 14 19 00-0183 EA 8" High x 1/4" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	125.46	9.04
For Installation With Adhesive, Deduct	-9.89	
For Oxidized Finish, Add	13.40	
For Polished Or Patina Finish, Add	26.79	
10 14 19 00-0184 EA 10" High x 1/4" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	160.84	10.17
For Installation With Adhesive, Deduct	-12.11	
For Oxidized Finish, Add	18.03	
For Polished Or Patina Finish, Add	36.05	
10 14 19 00-0185 EA 12" High x 1/4" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	203.57	11.75
For Installation With Adhesive, Deduct	-14.88	
For Oxidized Finish, Add	23.48	
For Polished Or Patina Finish, Add	46.97	
10 14 19 00-0186 EA 14" High x 1/4" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	254.90	13.56
For Installation With Adhesive, Deduct	-18.17	
For Oxidized Finish, Add	30.10	
For Polished Or Patina Finish, Add	60.20	
10 14 19 00-0187 EA 16" High x 1/4" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	316.45	16.27
For Installation With Adhesive, Deduct	-22.33	
For Oxidized Finish, Add	37.71	
For Polished Or Patina Finish, Add	75.41	
10 14 19 00-0188 EA 18" High x 1/4" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	378.82	18.08
For Installation With Adhesive, Deduct	-26.17	
For Oxidized Finish, Add	45.98	
For Polished Or Patina Finish, Add	91.95	
10 14 19 00-0189 EA 20" High x 1/4" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	449.60	20.34
For Installation With Adhesive, Deduct	-30.62	
For Oxidized Finish, Add	55.24	
For Polished Or Patina Finish, Add	110.47	
10 14 19 00-0190 EA 22" High x 1/4" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	524.68	21.47
For Installation With Adhesive, Deduct	-34.82	
For Oxidized Finish, Add	65.82	
For Polished Or Patina Finish, Add	131.64	
10 14 19 00-0191 EA 24" High x 1/4" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	607.47	22.59
For Installation With Adhesive, Deduct	-39.41	
For Oxidized Finish, Add	77.56	
For Polished Or Patina Finish, Add	155.12	
10 14 19 00-0192 EA 30" High x 1/4" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	922.11	27.12
For Installation With Adhesive, Deduct	-56.95	
For Oxidized Finish, Add	122.05	
For Polished Or Patina Finish, Add	244.09	
10 14 19 00-0193 3/8" Deep, Satin Finish, Bronze Characters (10 14 19 00-0178)		
10 14 19 00-0194 EA 2" High x 3/8" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	63.34	5.65
For Installation With Adhesive, Deduct	-5.43	
For Oxidized Finish, Add	6.11	
For Polished Or Patina Finish, Add	12.23	



Specialties	10
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MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 19 00-0195	EA		4" High x 3/8" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	82.54	6.56
			<i>For Installation With Adhesive, Deduct</i>	-6.75	
			<i>For Oxidized Finish, Add</i>	8.45	
			<i>For Polished Or Patina Finish, Add</i>	16.90	
10 14 19 00-0196	EA		6" High x 3/8" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	119.88	7.91
			<i>For Installation With Adhesive, Deduct</i>	-9.16	
			<i>For Oxidized Finish, Add</i>	13.24	
			<i>For Polished Or Patina Finish, Add</i>	26.47	
10 14 19 00-0197	EA		8" High x 3/8" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	158.50	9.04
			<i>For Installation With Adhesive, Deduct</i>	-11.54	
			<i>For Oxidized Finish, Add</i>	18.35	
			<i>For Polished Or Patina Finish, Add</i>	36.70	
10 14 19 00-0198	EA		10" High x 3/8" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	214.92	10.17
			<i>For Installation With Adhesive, Deduct</i>	-14.81	
			<i>For Oxidized Finish, Add</i>	26.14	
			<i>For Polished Or Patina Finish, Add</i>	52.28	
10 14 19 00-0199	EA		12" High x 3/8" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	272.45	11.75
			<i>For Installation With Adhesive, Deduct</i>	-18.32	
			<i>For Oxidized Finish, Add</i>	33.82	
			<i>For Polished Or Patina Finish, Add</i>	67.63	
10 14 19 00-0200	EA		14" High x 3/8" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	341.18	13.56
			<i>For Installation With Adhesive, Deduct</i>	-22.48	
			<i>For Oxidized Finish, Add</i>	43.04	
			<i>For Polished Or Patina Finish, Add</i>	86.08	
10 14 19 00-0201	EA		16" High x 3/8" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	422.03	16.27
			<i>For Installation With Adhesive, Deduct</i>	-27.61	
			<i>For Oxidized Finish, Add</i>	53.54	
			<i>For Polished Or Patina Finish, Add</i>	107.09	
10 14 19 00-0202	EA		18" High x 3/8" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	510.61	18.08
			<i>For Installation With Adhesive, Deduct</i>	-32.76	
			<i>For Oxidized Finish, Add</i>	65.74	
			<i>For Polished Or Patina Finish, Add</i>	131.49	
10 14 19 00-0203	EA		20" High x 3/8" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	607.94	20.34
			<i>For Installation With Adhesive, Deduct</i>	-38.53	
			<i>For Oxidized Finish, Add</i>	78.99	
			<i>For Polished Or Patina Finish, Add</i>	157.97	
10 14 19 00-0204	EA		22" High x 3/8" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	713.36	21.47
			<i>For Installation With Adhesive, Deduct</i>	-44.26	
			<i>For Oxidized Finish, Add</i>	94.12	
			<i>For Polished Or Patina Finish, Add</i>	188.24	
10 14 19 00-0205	EA		24" High x 3/8" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	809.13	22.59
			<i>For Installation With Adhesive, Deduct</i>	-49.50	
			<i>For Oxidized Finish, Add</i>	107.81	
			<i>For Polished Or Patina Finish, Add</i>	215.62	
10 14 19 00-0206	EA		30" High x 3/8" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	1,109.25	27.12
			<i>For Installation With Adhesive, Deduct</i>	-66.31	
			<i>For Oxidized Finish, Add</i>	150.12	
			<i>For Polished Or Patina Finish, Add</i>	300.23	
10 14 19 00-0207			1/2" Deep, Satin Finish, Bronze Characters <small>(10 14 19 00-0178)</small>		
10 14 19 00-0208	EA		2" High x 1/2" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	65.50	5.65
			<i>For Installation With Adhesive, Deduct</i>	-5.53	
			<i>For Oxidized Finish, Add</i>	6.44	
			<i>For Polished Or Patina Finish, Add</i>	12.87	
10 14 19 00-0209	EA		4" High x 1/2" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	98.02	6.56
			<i>For Installation With Adhesive, Deduct</i>	-7.52	
			<i>For Oxidized Finish, Add</i>	10.77	
			<i>For Polished Or Patina Finish, Add</i>	21.54	
10 14 19 00-0210	EA		6" High x 1/2" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	139.71	7.91
			<i>For Installation With Adhesive, Deduct</i>	-10.15	
			<i>For Oxidized Finish, Add</i>	16.21	
			<i>For Polished Or Patina Finish, Add</i>	32.42	
10 14 19 00-0211	EA		8" High x 1/2" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	192.44	9.04
			<i>For Installation With Adhesive, Deduct</i>	-13.24	
			<i>For Oxidized Finish, Add</i>	23.44	
			<i>For Polished Or Patina Finish, Add</i>	46.88	
10 14 19 00-0212	EA		10" High x 1/2" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	262.99	10.17
			<i>For Installation With Adhesive, Deduct</i>	-17.22	
			<i>For Oxidized Finish, Add</i>	33.35	
			<i>For Polished Or Patina Finish, Add</i>	66.70	
10 14 19 00-0213	EA		12" High x 1/2" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	358.55	11.75
			<i>For Installation With Adhesive, Deduct</i>	-22.63	
			<i>For Oxidized Finish, Add</i>	46.73	
			<i>For Polished Or Patina Finish, Add</i>	93.46	
10 14 19 00-0214	EA		14" High x 1/2" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	465.58	13.56
			<i>For Installation With Adhesive, Deduct</i>	-28.70	
			<i>For Oxidized Finish, Add</i>	61.70	
			<i>For Polished Or Patina Finish, Add</i>	123.40	
10 14 19 00-0215	EA		16" High x 1/2" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	582.90	16.27
			<i>For Installation With Adhesive, Deduct</i>	-35.65	
			<i>For Oxidized Finish, Add</i>	77.67	
			<i>For Polished Or Patina Finish, Add</i>	155.35	

10	Specialties
10 10	Information Specialties
10 14	Signage



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 19 00-0216	EA		18" High x 1/2" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs.....	715.96	18.08
			<i>For Installation With Adhesive, Deduct</i>	-43.03	
			<i>For Oxidized Finish, Add</i>	96.55	
			<i>For Polished Or Patina Finish, Add</i>	193.09	
10 14 19 00-0217	EA		20" High x 1/2" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs.....	858.34	20.34
			<i>For Installation With Adhesive, Deduct</i>	-51.05	
			<i>For Oxidized Finish, Add</i>	116.55	
			<i>For Polished Or Patina Finish, Add</i>	233.09	
10 14 19 00-0218	EA		22" High x 1/2" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs.....	1,016.13	21.47
			<i>For Installation With Adhesive, Deduct</i>	-59.39	
			<i>For Oxidized Finish, Add</i>	139.54	
			<i>For Polished Or Patina Finish, Add</i>	279.08	
10 14 19 00-0219	EA		24" High x 1/2" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs.....	1,181.42	22.59
			<i>For Installation With Adhesive, Deduct</i>	-68.11	
			<i>For Oxidized Finish, Add</i>	163.65	
			<i>For Polished Or Patina Finish, Add</i>	327.31	
10 14 19 00-0220	EA		30" High x 1/2" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs.....	1,654.40	27.12
			<i>For Installation With Adhesive, Deduct</i>	-93.57	
			<i>For Oxidized Finish, Add</i>	231.89	
			<i>For Polished Or Patina Finish, Add</i>	463.78	
10 14 19 00-0221			Satin Finish, Copper Characters (10 14 19 00-0049)		
10 14 19 00-0222			1/4" Deep, Satin Finish, Copper Characters (10 14 19 00-0221)		
10 14 19 00-0223	EA		2" High x 1/4" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs.....	51.30	5.65
			<i>For Installation With Adhesive, Deduct</i>	-4.82	
			<i>For Polished Finish, Add</i>	8.61	
10 14 19 00-0224	EA		4" High x 1/4" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs.....	67.22	6.56
			<i>For Installation With Adhesive, Deduct</i>	-5.98	
			<i>For Polished Finish, Add</i>	12.30	
10 14 19 00-0225	EA		6" High x 1/4" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs.....	95.21	7.91
			<i>For Installation With Adhesive, Deduct</i>	-7.92	
			<i>For Polished Finish, Add</i>	19.07	
10 14 19 00-0226	EA		8" High x 1/4" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs.....	126.39	9.04
			<i>For Installation With Adhesive, Deduct</i>	-9.94	
			<i>For Polished Finish, Add</i>	27.07	
10 14 19 00-0227	EA		10" High x 1/4" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs.....	160.63	10.17
			<i>For Installation With Adhesive, Deduct</i>	-12.10	
			<i>For Polished Finish, Add</i>	35.99	
10 14 19 00-0228	EA		12" High x 1/4" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs.....	204.91	11.75
			<i>For Installation With Adhesive, Deduct</i>	-14.95	
			<i>For Polished Finish, Add</i>	47.37	
10 14 19 00-0229	EA		14" High x 1/4" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs.....	257.25	13.56
			<i>For Installation With Adhesive, Deduct</i>	-18.29	
			<i>For Polished Finish, Add</i>	60.90	
10 14 19 00-0230	EA		16" High x 1/4" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs.....	317.31	16.27
			<i>For Installation With Adhesive, Deduct</i>	-22.37	
			<i>For Polished Finish, Add</i>	75.67	
10 14 19 00-0231	EA		18" High x 1/4" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs.....	380.94	18.08
			<i>For Installation With Adhesive, Deduct</i>	-26.28	
			<i>For Polished Finish, Add</i>	92.59	
10 14 19 00-0232	EA		20" High x 1/4" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs.....	451.50	20.34
			<i>For Installation With Adhesive, Deduct</i>	-30.71	
			<i>For Polished Finish, Add</i>	111.04	
10 14 19 00-0233	EA		22" High x 1/4" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs.....	527.80	21.47
			<i>For Installation With Adhesive, Deduct</i>	-34.98	
			<i>For Polished Finish, Add</i>	132.58	
10 14 19 00-0234	EA		24" High x 1/4" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs.....	610.24	22.59
			<i>For Installation With Adhesive, Deduct</i>	-39.55	
			<i>For Polished Finish, Add</i>	155.95	
10 14 19 00-0235	EA		30" High x 1/4" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs.....	877.95	27.12
			<i>For Installation With Adhesive, Deduct</i>	-54.74	
			<i>For Polished Finish, Add</i>	230.84	
10 14 19 00-0236			3/8" Deep, Satin Finish, Copper Characters (10 14 19 00-0221)		
10 14 19 00-0237	EA		2" High x 3/8" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs.....	58.48	5.65
			<i>For Installation With Adhesive, Deduct</i>	-5.18	
			<i>For Polished Finish, Add</i>	10.77	
10 14 19 00-0238	EA		4" High x 3/8" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs.....	79.53	6.56
			<i>For Installation With Adhesive, Deduct</i>	-6.60	
			<i>For Polished Finish, Add</i>	16.00	
10 14 19 00-0239	EA		6" High x 3/8" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs.....	117.46	7.91
			<i>For Installation With Adhesive, Deduct</i>	-9.04	
			<i>For Polished Finish, Add</i>	25.75	
10 14 19 00-0240	EA		8" High x 3/8" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs.....	162.48	9.04
			<i>For Installation With Adhesive, Deduct</i>	-11.74	
			<i>For Polished Finish, Add</i>	37.90	
10 14 19 00-0241	EA		10" High x 3/8" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs.....	220.61	10.17
			<i>For Installation With Adhesive, Deduct</i>	-15.10	
			<i>For Polished Finish, Add</i>	53.98	
10 14 19 00-0242	EA		12" High x 3/8" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs.....	275.97	11.75
			<i>For Installation With Adhesive, Deduct</i>	-18.50	
			<i>For Polished Finish, Add</i>	68.69	



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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 19 00-0243 EA 14" High x 3/8" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs.....	348.61	13.56
For Installation With Adhesive, Deduct	-22.85	
For Polished Finish, Add	88.31	
10 14 19 00-0244 EA 16" High x 3/8" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs.....	430.81	16.27
For Installation With Adhesive, Deduct	-28.05	
For Polished Finish, Add	109.72	
10 14 19 00-0245 EA 18" High x 3/8" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs.....	519.82	18.08
For Installation With Adhesive, Deduct	-33.22	
For Polished Finish, Add	134.25	
10 14 19 00-0246 EA 20" High x 3/8" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs.....	618.07	20.34
For Installation With Adhesive, Deduct	-39.04	
For Polished Finish, Add	161.01	
10 14 19 00-0247 EA 22" High x 3/8" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs.....	726.67	21.47
For Installation With Adhesive, Deduct	-44.92	
For Polished Finish, Add	192.24	
10 14 19 00-0248 EA 24" High x 3/8" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs.....	818.18	22.59
For Installation With Adhesive, Deduct	-49.95	
For Polished Finish, Add	218.33	
10 14 19 00-0249 EA 30" High x 3/8" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs.....	1,147.27	27.12
For Installation With Adhesive, Deduct	-68.21	
For Polished Finish, Add	311.64	
10 14 19 00-0250 Satin Finish, Stainless Steel Characters (10 14 19 00-0049)		
10 14 19 00-0251 1/4" Deep, Satin Finish, Stainless Steel Characters (10 14 19 00-0250)		
10 14 19 00-0252 EA 2" High x 1/4" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs.....	48.69	5.65
For Installation With Adhesive, Deduct	-4.69	
For Polished Finish, Add	7.83	
10 14 19 00-0253 EA 4" High x 1/4" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs.....	64.06	6.56
For Installation With Adhesive, Deduct	-5.82	
For Polished Finish, Add	11.36	
10 14 19 00-0254 EA 6" High x 1/4" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs.....	82.54	7.91
For Installation With Adhesive, Deduct	-7.29	
For Polished Finish, Add	15.27	
10 14 19 00-0255 EA 8" High x 1/4" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs.....	106.64	9.04
For Installation With Adhesive, Deduct	-8.95	
For Polished Finish, Add	21.14	
10 14 19 00-0256 EA 10" High x 1/4" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs.....	130.72	10.17
For Installation With Adhesive, Deduct	-10.60	
For Polished Finish, Add	27.02	
10 14 19 00-0257 EA 12" High x 1/4" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs.....	160.56	11.75
For Installation With Adhesive, Deduct	-12.73	
For Polished Finish, Add	34.07	
10 14 19 00-0258 EA 14" High x 1/4" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs.....	192.58	13.56
For Installation With Adhesive, Deduct	-15.05	
For Polished Finish, Add	41.50	
10 14 19 00-0259 EA 16" High x 1/4" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs.....	230.83	16.27
For Installation With Adhesive, Deduct	-18.05	
For Polished Finish, Add	49.73	
10 14 19 00-0260 EA 18" High x 1/4" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs.....	269.39	18.08
For Installation With Adhesive, Deduct	-20.70	
For Polished Finish, Add	59.12	
10 14 19 00-0261 EA 20" High x 1/4" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs.....	314.98	20.34
For Installation With Adhesive, Deduct	-23.89	
For Polished Finish, Add	70.09	
10 14 19 00-0262 EA 22" High x 1/4" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs.....	366.48	21.47
For Installation With Adhesive, Deduct	-26.91	
For Polished Finish, Add	84.18	
10 14 19 00-0263 EA 24" High x 1/4" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs.....	419.29	22.59
For Installation With Adhesive, Deduct	-30.00	
For Polished Finish, Add	98.67	
10 14 19 00-0264 EA 30" High x 1/4" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs.....	575.70	27.12
For Installation With Adhesive, Deduct	-39.63	
For Polished Finish, Add	140.17	
10 14 19 00-0265 3/8" Deep, Satin Finish, Stainless Steel Characters (10 14 19 00-0250)		
10 14 19 00-0266 EA 2" High x 3/8" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs.....	57.83	5.65
For Installation With Adhesive, Deduct	-5.15	
For Polished Finish, Add	10.57	
10 14 19 00-0267 EA 4" High x 3/8" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs.....	77.31	6.56
For Installation With Adhesive, Deduct	-6.49	
For Polished Finish, Add	15.33	
10 14 19 00-0268 EA 6" High x 3/8" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs.....	99.34	7.91
For Installation With Adhesive, Deduct	-8.13	
For Polished Finish, Add	20.31	
10 14 19 00-0269 EA 8" High x 3/8" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs.....	127.08	9.04
For Installation With Adhesive, Deduct	-9.97	
For Polished Finish, Add	27.28	
10 14 19 00-0270 EA 10" High x 3/8" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs.....	156.84	10.17
For Installation With Adhesive, Deduct	-11.91	
For Polished Finish, Add	34.85	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 19 00-0271 EA 12" High x 3/8" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs.....	193.48	11.75
For Installation With Adhesive, Deduct	-14.38	
For Polished Finish, Add	43.94	
10 14 19 00-0272 EA 14" High x 3/8" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs.....	232.70	13.56
For Installation With Adhesive, Deduct	-17.06	
For Polished Finish, Add	53.54	
10 14 19 00-0273 EA 16" High x 3/8" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs.....	278.90	16.27
For Installation With Adhesive, Deduct	-20.45	
For Polished Finish, Add	64.15	
10 14 19 00-0274 EA 18" High x 3/8" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs.....	324.57	18.08
For Installation With Adhesive, Deduct	-23.46	
For Polished Finish, Add	75.68	
10 14 19 00-0275 EA 20" High x 3/8" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs.....	380.39	20.34
For Installation With Adhesive, Deduct	-27.16	
For Polished Finish, Add	89.71	
10 14 19 00-0276 EA 22" High x 3/8" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs.....	428.21	21.47
For Installation With Adhesive, Deduct	-30.00	
For Polished Finish, Add	102.70	
10 14 19 00-0277 EA 24" High x 3/8" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs.....	491.65	22.59
For Installation With Adhesive, Deduct	-33.62	
For Polished Finish, Add	120.38	
10 14 19 00-0278 EA 30" High x 3/8" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs.....	678.50	27.12
For Installation With Adhesive, Deduct	-44.77	
For Polished Finish, Add	171.01	
10 14 19 00-0279 1/2" Deep, Satin Finish, Stainless Steel Characters (10 14 19 00-0250)		
10 14 19 00-0280 EA 2" High x 1/2" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs.....	69.57	5.65
For Installation With Adhesive, Deduct	-5.74	
For Polished Finish, Add	14.09	
10 14 19 00-0281 EA 4" High x 1/2" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs.....	94.34	6.56
For Installation With Adhesive, Deduct	-7.34	
For Polished Finish, Add	20.44	
10 14 19 00-0282 EA 6" High x 1/2" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs.....	121.73	7.91
For Installation With Adhesive, Deduct	-9.25	
For Polished Finish, Add	27.03	
10 14 19 00-0283 EA 8" High x 1/2" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs.....	160.20	9.04
For Installation With Adhesive, Deduct	-11.63	
For Polished Finish, Add	37.21	
10 14 19 00-0284 EA 10" High x 1/2" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs.....	199.16	10.17
For Installation With Adhesive, Deduct	-14.03	
For Polished Finish, Add	47.55	
10 14 19 00-0285 EA 12" High x 1/2" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs.....	246.85	11.75
For Installation With Adhesive, Deduct	-17.04	
For Polished Finish, Add	59.95	
10 14 19 00-0286 EA 14" High x 1/2" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs.....	297.72	13.56
For Installation With Adhesive, Deduct	-20.31	
For Polished Finish, Add	73.04	
10 14 19 00-0287 EA 16" High x 1/2" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs.....	356.80	16.27
For Installation With Adhesive, Deduct	-24.35	
For Polished Finish, Add	87.52	
10 14 19 00-0288 EA 18" High x 1/2" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs.....	425.08	18.08
For Installation With Adhesive, Deduct	-28.49	
For Polished Finish, Add	105.83	
10 14 19 00-0289 EA 20" High x 1/2" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs.....	499.54	20.34
For Installation With Adhesive, Deduct	-33.11	
For Polished Finish, Add	125.45	
10 14 19 00-0290 EA 22" High x 1/2" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs.....	560.10	21.47
For Installation With Adhesive, Deduct	-36.59	
For Polished Finish, Add	142.27	
10 14 19 00-0291 EA 24" High x 1/2" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs.....	646.23	22.59
For Installation With Adhesive, Deduct	-41.35	
For Polished Finish, Add	166.75	
10 14 19 00-0292 EA 30" High x 1/2" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs.....	898.10	27.12
For Installation With Adhesive, Deduct	-55.75	
For Polished Finish, Add	236.89	
10 14 23 Panel Signage (10 14)		
10 14 23 00-0001 Indoor/Outdoor Signs (10 14 23)		
Note: Office number signs, conference room signs, restroom signs, stairway signs, fire extinguisher marker, ANSI/OSHA safety signs, entry/exit signs, etc.		
10 14 23 00-0002 Surface Mount, Indoor/Outdoor Signs (10 14 23 00-0001)		
10 14 23 00-0003 Adhesive Backed Vinyl, Surface Mount, Indoor/Outdoor Signs (10 14 23 00-0002)		
Note: Multi-color with words, symbols and graphics.		
10 14 23 00-0004 EA Up To 25 Sq. Adhesive Backed Vinyl, Surface Mount, Indoor/Outdoor Sign.....	21.72	9.02
For >25 To 50, Deduct	-0.37	
For >50 To 100, Deduct	-0.92	
For >100, Deduct	-1.10	
For Clear Glass Mount, Add	2.94	
For Glow-In-Dark, Add	7.36	
For Reflective Finish, Add	8.28	



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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 23 00-0005 EA >25 To 50 SI, Adhesive Backed Vinyl, Surface Mount, Indoor/Outdoor Sign	24.34	9.02
For >25 To 50, Deduct	-0.63	
For >50 To 100, Deduct	-1.58	
For >100, Deduct	-1.89	
For Clear Glass Mount, Add	5.04	
For Glow-In-Dark, Add	12.60	
For Reflective Finish, Add	14.18	
10 14 23 00-0006 EA >50 To 100 SI, Adhesive Backed Vinyl, Surface Mount, Indoor/Outdoor Sign	28.54	9.02
For >25 To 50, Deduct	-1.05	
For >50 To 100, Deduct	-2.63	
For >100, Deduct	-3.15	
For Clear Glass Mount, Add	8.40	
For Glow-In-Dark, Add	21.00	
For Reflective Finish, Add	23.63	
10 14 23 00-0007 EA >100 To 250 SI, Adhesive Backed Vinyl, Surface Mount, Indoor/Outdoor Sign	33.79	9.02
For >25 To 50, Deduct	-1.58	
For >50 To 100, Deduct	-3.94	
For >100, Deduct	-4.73	
For Clear Glass Mount, Add	12.60	
For Glow-In-Dark, Add	31.50	
For Reflective Finish, Add	35.44	
10 14 23 00-0008 EA >250 To 500 SI, Adhesive Backed Vinyl, Surface Mount, Indoor/Outdoor Sign	43.24	9.02
For >25 To 50, Deduct	-2.52	
For >50 To 100, Deduct	-6.30	
For >100, Deduct	-7.56	
For Clear Glass Mount, Add	20.16	
For Glow-In-Dark, Add	50.40	
For Reflective Finish, Add	56.70	
10 14 23 00-0009 EA >500 To 750 SI, Adhesive Backed Vinyl, Surface Mount, Indoor/Outdoor Sign	60.04	9.02
For >25 To 50, Deduct	-4.20	
For >50 To 100, Deduct	-10.50	
For >100, Deduct	-12.60	
For Clear Glass Mount, Add	33.60	
For Glow-In-Dark, Add	84.00	
For Reflective Finish, Add	94.50	
10 14 23 00-0010 EA >750 To 1,000 SI, Adhesive Backed Vinyl, Surface Mount, Indoor/Outdoor Sign	81.04	9.02
For >25 To 50, Deduct	-6.30	
For >50 To 100, Deduct	-15.75	
For >100, Deduct	-18.90	
For Clear Glass Mount, Add	50.40	
For Glow-In-Dark, Add	126.00	
For Reflective Finish, Add	141.75	
10 14 23 00-0011 SI >1,000 SI, Adhesive Backed Vinyl, Surface Mount, Indoor/Outdoor Sign.....	0.09	0.01
For Clear Glass Mount, Add	0.06	
For Glow-In-Dark, Add	0.14	
For Reflective Finish, Add	0.16	
10 14 23 00-0012 Semi-Rigid Polyvinyl Chloride (PVC), Surface Mount, Indoor/Outdoor Signs		
<small>(10 14 23 00-0002)</small>		
Note: Multi-color with words, symbols and graphics. Includes adhesive or fasteners for mounting.		
10 14 23 00-0013 EA Up To 25 SI, Semi-Rigid Polyvinyl Chloride (PVC), Surface Mount, Indoor/Outdoor Sign.....	22.76	9.02
For >25 To 50, Deduct	-0.47	
For >50 To 100, Deduct	-1.18	
For >100, Deduct	-1.42	
For Glow-In-Dark, Add	9.44	
For Reflective Finish, Add	10.15	
10 14 23 00-0014 EA >25 To 50 SI, Semi-Rigid Polyvinyl Chloride (PVC), Surface Mount, Indoor/Outdoor Sign.....	25.39	9.02
For >25 To 50, Deduct	-0.74	
For >50 To 100, Deduct	-1.84	
For >100, Deduct	-2.21	
For Glow-In-Dark, Add	14.70	
For Reflective Finish, Add	15.80	
10 14 23 00-0015 EA >50 To 100 SI, Semi-Rigid Polyvinyl Chloride (PVC), Surface Mount, Indoor/Outdoor Sign	30.64	9.02
For >25 To 50, Deduct	-1.26	
For >50 To 100, Deduct	-3.15	
For >100, Deduct	-3.78	
For Glow-In-Dark, Add	25.20	
For Reflective Finish, Add	27.09	
10 14 23 00-0016 EA >100 To 250 SI, Semi-Rigid Polyvinyl Chloride (PVC), Surface Mount, Indoor/Outdoor Sign	35.89	9.02
For >25 To 50, Deduct	-1.79	
For >50 To 100, Deduct	-4.46	
For >100, Deduct	-5.36	
For Glow-In-Dark, Add	35.70	
For Reflective Finish, Add	38.38	
10 14 23 00-0017 EA >250 To 500 SI, Semi-Rigid Polyvinyl Chloride (PVC), Surface Mount, Indoor/Outdoor Sign	43.76	9.02
For >25 To 50, Deduct	-2.57	
For >50 To 100, Deduct	-6.43	
For >100, Deduct	-7.72	
For Glow-In-Dark, Add	51.44	
For Reflective Finish, Add	55.30	
10 14 23 00-0018 EA >500 To 750 SI, Semi-Rigid Polyvinyl Chloride (PVC), Surface Mount, Indoor/Outdoor Sign	51.64	9.02
For >25 To 50, Deduct	-3.36	
For >50 To 100, Deduct	-8.40	
For >100, Deduct	-10.08	
For Glow-In-Dark, Add	67.20	
For Reflective Finish, Add	72.24	

10	Specialties
10 10	Information Specialties
10 14	Signage



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 23 00-0019 EA >750 To 1,000 SI, Semi-Rigid Polyvinyl Chloride (PVC), Surface Mount, Indoor/Outdoor Sign	60.04	9.02
For >25 To 50, Deduct	-4.20	
For >50 To 100, Deduct	-10.50	
For >100, Deduct	-12.60	
For Glow-In-Dark, Add	84.00	
For Reflective Finish, Add	90.30	
10 14 23 00-0020 SI >1,000 SI, Semi-Rigid Polyvinyl Chloride (PVC), Surface Mount, Indoor/Outdoor Sign	0.07	0.01
For Glow-In-Dark, Add	0.10	
For Reflective Finish, Add	0.11	
10 14 23 00-0021 Acrylic, Surface Mount, Indoor/Outdoor Signs With Braille <small>(10 14 23 00-0002)</small>		
Note: Multi-color with words, symbols and graphics. Includes adhesive or fasteners for mounting. Excludes frame.		
10 14 23 00-0022 EA Up To 25 SI, Acrylic, Surface Mount, Indoor/Outdoor Signs With Braille	30.64	9.02
For >25 To 50, Deduct	-1.26	
For >50 To 100, Deduct	-3.15	
For >100, Deduct	-3.78	
For Molded Plastic Frame, Add	15.00	
For Brushed Metal Finish/Faux Metal Finish, Add	23.00	
For 2" Height Slider Channel For Custom Inserts, Add	35.00	
10 14 23 00-0023 EA >25 To 50 SI, Acrylic, Surface Mount, Indoor/Outdoor Signs With Braille.....	33.79	9.02
For >25 To 50, Deduct	-1.58	
For >50 To 100, Deduct	-3.94	
For >100, Deduct	-4.73	
For Molded Plastic Frame, Add	17.00	
For Brushed Metal Finish/Faux Metal Finish, Add	28.00	
For 2" Height Slider Channel For Custom Inserts, Add	35.00	
10 14 23 00-0024 EA >50 To 75 SI, Acrylic, Surface Mount, Indoor/Outdoor Signs With Braille.....	39.04	9.02
For >25 To 50, Deduct	-2.10	
For >50 To 100, Deduct	-5.25	
For >100, Deduct	-6.30	
For Molded Plastic Frame, Add	19.00	
For Brushed Metal Finish/Faux Metal Finish, Add	31.00	
10 14 23 00-0025 EA >75 To 100 SI, Acrylic, Surface Mount, Indoor/Outdoor Signs With Braille.....	43.98	9.02
For >25 To 50, Deduct	-2.59	
For >50 To 100, Deduct	-6.49	
For >100, Deduct	-7.78	
For Molded Plastic Frame, Add	21.00	
For Brushed Metal Finish/Faux Metal Finish, Add	35.00	
10 14 23 00-0026 SI >100 SI, Acrylic, Surface Mount, Indoor/Outdoor Signs With Braille.....	0.47	0.09
For Molded Plastic Frame, Add	0.20	
For Brushed Metal Finish/Faux Metal Finish, Add	0.31	
10 14 23 00-0027 Engraved Steel, Surface Mount, Indoor/Outdoor Signs <small>(10 14 23 00-0002)</small>		
Note: Multi-color with words, symbols and graphics. Includes adhesive or fasteners for mounting. Excludes frame.		
10 14 23 00-0028 EA Up To 25 SI, Engraved Steel, Surface Mount, Indoor/Outdoor Sign	37.99	9.02
For >25 To 50, Deduct	-2.00	
For >50 To 100, Deduct	-4.99	
For >100, Deduct	-5.99	
For Molded Plastic Frame, Add	15.00	
10 14 23 00-0029 EA >25 To 50 SI, Engraved Steel, Surface Mount, Indoor/Outdoor Sign	44.29	9.02
For >25 To 50, Deduct	-2.63	
For >50 To 100, Deduct	-6.56	
For >100, Deduct	-7.88	
For Molded Plastic Frame, Add	17.00	
10 14 23 00-0030 EA >50 To 75 SI, Engraved Steel, Surface Mount, Indoor/Outdoor Sign	52.69	9.02
For >25 To 50, Deduct	-3.47	
For >50 To 100, Deduct	-8.66	
For >100, Deduct	-10.40	
For Molded Plastic Frame, Add	19.00	
10 14 23 00-0031 EA >75 To 100 SI, Engraved Steel, Surface Mount, Indoor/Outdoor Sign	69.49	9.02
For >25 To 50, Deduct	-5.15	
For >50 To 100, Deduct	-12.86	
For >100, Deduct	-15.44	
For Molded Plastic Frame, Add	21.00	
10 14 23 00-0032 SI >100 SI, Engraved Steel, Surface Mount, Indoor/Outdoor Sign.....	0.69	0.09
For Molded Plastic Frame, Add	0.20	
10 14 23 00-0033 Enamel Coated Aluminum, Surface Mount, Indoor/Outdoor Signs <small>(10 14 23 00-0002)</small>		
Note: Multi-color with words, symbols and graphics. Includes adhesive or fasteners for mounting.		
10 14 23 00-0034 EA Up To 25 SI, Enamel Coated Aluminum, Surface Mount, Indoor/Outdoor Sign.....	22.24	9.02
For >25 To 50, Deduct	-0.42	
For >50 To 100, Deduct	-1.05	
For >100, Deduct	-1.26	
For Glow-In-Dark, Add	2.52	
For Reflective Finish, Add	3.15	
10 14 23 00-0035 EA >25 To 50 SI, Enamel Coated Aluminum, Surface Mount, Indoor/Outdoor Sign	25.39	9.02
For >25 To 50, Deduct	-0.74	
For >50 To 100, Deduct	-1.84	
For >100, Deduct	-2.21	
For Glow-In-Dark, Add	4.41	
For Reflective Finish, Add	5.51	



Specialties	10
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MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 23 00-0036	EA		>50 To 100 SI, Enamel Coated Aluminum, Surface Mount, Indoor/Outdoor Sign	31.69	9.02
			<i>For >25 To 50, Deduct</i>	-1.37	
			<i>For >50 To 100, Deduct</i>	-3.41	
			<i>For >100, Deduct</i>	-4.10	
			<i>For Glow-In-Dark, Add</i>	8.19	
			<i>For Reflective Finish, Add</i>	10.24	
10 14 23 00-0037	EA		>100 To 250 SI, Enamel Coated Aluminum, Surface Mount, Indoor/Outdoor Sign	39.04	9.02
			<i>For >25 To 50, Deduct</i>	-2.10	
			<i>For >50 To 100, Deduct</i>	-5.25	
			<i>For >100, Deduct</i>	-6.30	
			<i>For Glow-In-Dark, Add</i>	12.60	
			<i>For Reflective Finish, Add</i>	15.75	
10 14 23 00-0038	EA		>250 To 500 SI, Enamel Coated Aluminum, Surface Mount, Indoor/Outdoor Sign	61.09	9.02
			<i>For >25 To 50, Deduct</i>	-4.31	
			<i>For >50 To 100, Deduct</i>	-10.76	
			<i>For >100, Deduct</i>	-12.92	
			<i>For Glow-In-Dark, Add</i>	25.83	
			<i>For Reflective Finish, Add</i>	32.29	
10 14 23 00-0039	EA		>500 To 750 SI, Enamel Coated Aluminum, Surface Mount, Indoor/Outdoor Sign	70.54	9.02
			<i>For >25 To 50, Deduct</i>	-5.25	
			<i>For >50 To 100, Deduct</i>	-13.13	
			<i>For >100, Deduct</i>	-15.75	
			<i>For Glow-In-Dark, Add</i>	31.50	
			<i>For Reflective Finish, Add</i>	39.38	
10 14 23 00-0040	EA		>750 To 1,000 SI, Enamel Coated Aluminum, Surface Mount, Indoor/Outdoor Sign	83.14	9.02
			<i>For >25 To 50, Deduct</i>	-6.51	
			<i>For >50 To 100, Deduct</i>	-16.28	
			<i>For >100, Deduct</i>	-19.53	
			<i>For Glow-In-Dark, Add</i>	39.06	
			<i>For Reflective Finish, Add</i>	48.83	
10 14 23 00-0041	SI		>1,000 SI, Enamel Coated Aluminum, Surface Mount, Indoor/Outdoor Sign	0.09	0.01
			<i>For Glow-In-Dark, Add</i>	0.04	
			<i>For Reflective Finish, Add</i>	0.05	
10 14 23 00-0042			California Title 24, Surface Mount, Signs <small>(10 14 23 00-0002)</small>		
10 14 23 00-0043			California Title 24, Surface Mount, Geometric Restroom Signs <small>(10 14 23 00-0042)</small> Note: Includes 1/4" thick acrylic or PVC construction, color that contrasts with the door color, and with or without the international symbol of accessibility and staff only designation.		
10 14 23 00-0044	EA		1/4" Thick, Equilateral Triangle With 12" Long Edges, California Title 24, Surface Mount, Geometric Male Restroom Sign	56.63	9.02
			<i>For >25 To 50, Deduct</i>	-3.86	
			<i>For >50 To 100, Deduct</i>	-5.79	
			<i>For >100, Deduct</i>	-6.56	
10 14 23 00-0045	EA		1/4" Thick, 12" Diameter, California Title 24, Surface Mount, Geometric Female Restroom Sign	56.63	9.02
			<i>For >25 To 50, Deduct</i>	-3.86	
			<i>For >50 To 100, Deduct</i>	-5.79	
			<i>For >100, Deduct</i>	-6.56	
10 14 23 00-0046	EA		1/4" Thick, 12" Diameter, California Title 24, Surface Mount, Geometric Unisex Restroom Sign	72.06	9.02
			Note: Includes contrasting color equilateral triangle with 12" long edges superimposed on the circle.		
			<i>For >25 To 50, Deduct</i>	-5.40	
			<i>For >50 To 100, Deduct</i>	-8.10	
			<i>For >100, Deduct</i>	-9.18	
10 14 23 00-0047			California Title 24, Surface Mount, Stairwell Signs <small>(10 14 23 00-0042)</small> Note: Includes 1/16" matte finish colored polymer face plate with 1/16" acrylic backer. Includes information on stairway location, roof access availability, floor level number, basement or mezzanine level identification and exit level and direction.		
10 14 23 00-0048	EA		1/8" Thick, 12" x 18", California Title 24, Surface Mount, Stairwell Sign	105.14	9.02
			<i>For >25 To 50, Deduct</i>	-8.71	
			<i>For >50 To 100, Deduct</i>	-13.07	
			<i>For >100, Deduct</i>	-14.81	
10 14 23 00-0049			Ceiling Mount, Indoor/Outdoor Signs <small>(10 14 23 00-0001)</small>		
10 14 23 00-0050			Enamel Coated Aluminum, Ceiling Mount, Indoor/Outdoor Signs <small>(10 14 23 00-0049)</small>		
10 14 23 00-0051	EA		Up To 25 SI, Enamel Coated Aluminum, Ceiling Mount, Indoor/Outdoor Sign	31.03	12.63
			<i>For >25 To 50, Deduct</i>	-0.58	
			<i>For >50 To 100, Deduct</i>	-1.45	
			<i>For >100, Deduct</i>	-1.73	
			<i>For Glow-In-Dark, Add</i>	3.47	
			<i>For Reflective Finish, Add</i>	4.34	
10 14 23 00-0052	EA		>25 To 50 SI, Enamel Coated Aluminum, Ceiling Mount, Indoor/Outdoor Sign	35.75	12.63
			<i>For >25 To 50, Deduct</i>	-1.05	
			<i>For >50 To 100, Deduct</i>	-2.63	
			<i>For >100, Deduct</i>	-3.15	
			<i>For Glow-In-Dark, Add</i>	6.30	
			<i>For Reflective Finish, Add</i>	7.88	

10	10	Specialties
	10 10	Information Specialties
	10 14	Signage



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 23 00-0053 EA >50 To 100 SI, Enamel Coated Aluminum, Ceiling Mount, Indoor/Outdoor Sign.....	42.05	12.63
For >25 To 50, Deduct	-1.68	
For >50 To 100, Deduct	-4.20	
For >100, Deduct	-5.04	
For Glow-In-Dark, Add	10.08	
For Reflective Finish, Add	12.60	
10 14 23 00-0054 EA >100 To 150 SI, Enamel Coated Aluminum, Ceiling Mount, Indoor/Outdoor Sign.....	51.50	12.63
For >25 To 50, Deduct	-2.63	
For >50 To 100, Deduct	-6.56	
For >100, Deduct	-7.88	
For Glow-In-Dark, Add	15.75	
For Reflective Finish, Add	19.69	
10 14 23 00-0055 90 Degree, Projection Mount, Indoor/Outdoor Signs (10 14 23 00-0001)		
10 14 23 00-0056 Enamel Coated Aluminum, 90 Degree, Projection Mount, Indoor/Outdoor Signs (10 14 23 00-0055)		
10 14 23 00-0057 EA Up To 25 SI, Enamel Coated Aluminum, 90 Degree, Projection Mount, Indoor/Outdoor Sign.....	31.55	12.63
For >25 To 50, Deduct	-0.63	
For >50 To 100, Deduct	-1.58	
For >100, Deduct	-1.89	
For Glow-In-Dark, Add	3.78	
For Reflective Finish, Add	4.73	
10 14 23 00-0058 EA >25 To 50 SI, Enamel Coated Aluminum, 90 Degree, Projection Mount, Indoor/Outdoor Sign.....	36.80	12.63
For >25 To 50, Deduct	-1.16	
For >50 To 100, Deduct	-2.89	
For >100, Deduct	-3.47	
For Glow-In-Dark, Add	6.93	
For Reflective Finish, Add	8.66	
10 14 23 00-0059 EA >50 To 100 SI, Enamel Coated Aluminum, 90 Degree, Projection Mount, Indoor/Outdoor Sign.....	48.35	12.63
For >25 To 50, Deduct	-2.31	
For >50 To 100, Deduct	-5.78	
For >100, Deduct	-6.93	
For Glow-In-Dark, Add	13.86	
For Reflective Finish, Add	17.33	
10 14 23 00-0060 EA >100 To 150 SI, Enamel Coated Aluminum, 90 Degree, Projection Mount, Indoor/Outdoor Sign.....	52.55	12.63
For >25 To 50, Deduct	-2.73	
For >50 To 100, Deduct	-6.83	
For >100, Deduct	-8.19	
For Glow-In-Dark, Add	16.38	
For Reflective Finish, Add	20.48	
10 14 23 00-0061 Triangle, Projection Mount, Indoor/Outdoor Signs (10 14 23 00-0001)		
10 14 23 00-0062 Enamel Coated Aluminum, Triangle, Projection Mount, Indoor/Outdoor Signs (10 14 23 00-0061)		
10 14 23 00-0063 EA Up To 25 SI, Enamel Coated Aluminum, Triangle, Projection Mount, Indoor/Outdoor Sign.....	33.13	12.63
For >25 To 50, Deduct	-0.79	
For >50 To 100, Deduct	-1.97	
For >100, Deduct	-2.36	
For Glow-In-Dark, Add	4.73	
For Reflective Finish, Add	5.91	
10 14 23 00-0064 EA >25 To 50 SI, Enamel Coated Aluminum, Triangle, Projection Mount, Indoor/Outdoor Sign.....	41.00	12.63
For >25 To 50, Deduct	-1.58	
For >50 To 100, Deduct	-3.94	
For >100, Deduct	-4.73	
For Glow-In-Dark, Add	9.45	
For Reflective Finish, Add	11.81	
10 14 23 00-0065 EA >50 To 100 SI, Enamel Coated Aluminum, Triangle, Projection Mount, Indoor/Outdoor Sign.....	44.15	12.63
For >25 To 50, Deduct	-1.89	
For >50 To 100, Deduct	-4.73	
For >100, Deduct	-5.67	
For Glow-In-Dark, Add	11.34	
For Reflective Finish, Add	14.18	
10 14 23 00-0066 EA >100 To 150 SI, Enamel Coated Aluminum, Triangle, Projection Mount, Indoor/Outdoor Sign.....	48.35	12.63
For >25 To 50, Deduct	-2.31	
For >50 To 100, Deduct	-5.78	
For >100, Deduct	-6.93	
For Glow-In-Dark, Add	13.86	
For Reflective Finish, Add	17.33	
10 14 23 00-0067 Adhesive Backed Vinyl Characters (10 14 23)		
Note: Includes capital or lower case letters in any font or color. Includes numbers, symbols, punctuation marks, etc. Includes adhesive.		
10 14 23 00-0068 EA 1/2" High, 3 Mil, Adhesive Backed Vinyl Sign Letter/Character.....	2.24	0.72
For Pressure Sensitive Vinyl Letters, Custom Cut, Add	0.37	
10 14 23 00-0069 EA 3/4" High, 3 Mil, Adhesive Backed Vinyl Sign Letter/Character.....	2.31	0.83
For Pressure Sensitive Vinyl Letters, Custom Cut, Add	0.39	
10 14 23 00-0070 EA 1" High, 3 Mil, Adhesive Backed Vinyl Sign Letter/Character.....	2.38	0.94
For Pressure Sensitive Vinyl Letters, Custom Cut, Add	0.41	
10 14 23 00-0071 EA 1-1/2" High, 3 Mil, Adhesive Backed Vinyl Sign Letter/Character.....	3.23	1.08
For Pressure Sensitive Vinyl Letters, Custom Cut, Add	0.53	



Specialties	10	10
Information Specialties	10 10	
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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 23 00-0072 EA 2" High, 3 Mil, Adhesive Backed Vinyl Sign Letter/Character <i>For Pressure Sensitive Vinyl Letters, Custom Cut, Add</i>	3.33 0.55	1.26
10 14 23 00-0073 EA 3" High, 3 Mil, Adhesive Backed Vinyl Sign Letter/Character <i>For Pressure Sensitive Vinyl Letters, Custom Cut, Add</i>	4.69 0.80	1.44
10 14 23 00-0074 EA 4" High, 3 Mil, Adhesive Backed Vinyl Sign Letter/Character <i>For Pressure Sensitive Vinyl Letters, Custom Cut, Add</i>	4.99 0.87	1.62
10 14 23 00-0075 EA 6" High, 3 Mil, Adhesive Backed Vinyl Sign Letter/Character <i>For Pressure Sensitive Vinyl Letters, Custom Cut, Add</i>	6.65 1.19	1.81
10 14 23 00-0076 EA 8" High, 3 Mil, Adhesive Backed Vinyl Sign Letter/Character <i>For Pressure Sensitive Vinyl Letters, Custom Cut, Add</i>	7.88 1.50	1.99
10 14 23 00-0077 EA 10" High, 3 Mil, Adhesive Backed Vinyl Sign Letter/Character <i>For Pressure Sensitive Vinyl Letters, Custom Cut, Add</i>	10.05 1.95	2.17
10 14 23 00-0078 Removal And Reinstallation Of Building Signage (10 14 23) Note: Includes storage and cleaning.		
10 14 23 00-0079 EA Removal And Reinstallation Of Building Signage, Exterior Up To 4 SF.....	158.25	
10 14 23 00-0080 EA Removal And Reinstallation Of Building Signage, Exterior >4 To 12 SF.....	181.98	
10 14 23 00-0081 EA Removal And Reinstallation Of Building Signage, >12 To 20 SF.....	204.59	
10 14 23 00-0082 EA Removal And Reinstallation Of Interior Door And Office Signage, Up To 4SF.....	54.12	
10 14 23 00-0083 Building Sign (10 14 23) Note: Includes 4" numbers painted on. Installed on building.		
10 14 23 00-0084 EA 6" x 18" Metal Building Sign With Numbers.....	123.00	21.65
10 14 23 00-0085 SF Double Sided, Molding On Two Sides, For Mounting On Aluminum Posts.....	39.24	6.33
10 14 23 00-0086 SF Single Sided, Molding On One Side, For Mounting On Structure Up To 20'.....	29.37	5.87
10 14 23 00-0087 EA Aluminum Posts, Formed Prefinished, Ribbed, 4" Square, 6' High, 3' Deep.....	15.61	4.97
10 14 23 00-0088 EA Aluminum Posts, Formed Prefinished, Ribbed, 4" Square, 8' High, 3' Deep.....	17.67	5.42
10 14 23 00-0089 EA Aluminum Posts, Formed Prefinished, Ribbed, 6" Square, 10' High, 3' Deep.....	19.30	5.87
10 14 23 00-0090 EA Aluminum Posts, Formed Prefinished, Ribbed, 6" Square, 15' High, 4' Deep.....	22.09	6.33
10 14 53 Traffic Signage (10 14)		
10 14 53 00-0001 Traffic Signs (10 14 53)		
10 14 53 00-0002 ReflectORIZED Stop Signs And Other Traffic Signs (10 14 53 00-0001) Note: Excludes posts.		
10 14 53 00-0003 Aluminum Engineer Grade Stop Signs (10 14 53 00-0002)		
10 14 53 00-0004 EA 18" x 18" Aluminum Engineer Grade Stop Sign..... <i>For Hi-Intensity Grade, Add</i> <i>For Diamond Grade, Add</i>	53.92 6.44 12.23	16.24
10 14 53 00-0005 EA 18" x 24" Aluminum Engineer Grade Stop Sign..... <i>For Hi-Intensity Grade, Add</i> <i>For Diamond Grade, Add</i>	62.32 8.42 15.99	17.17
10 14 53 00-0006 EA 24" x 24" Aluminum Engineer Grade Stop Sign..... <i>For Hi-Intensity Grade, Add</i> <i>For Diamond Grade, Add</i>	67.43 12.85 20.38	18.04
10 14 53 00-0007 EA 30" x 30" Aluminum Engineer Grade Stop Sign..... <i>For Hi-Intensity Grade, Add</i> <i>For Diamond Grade, Add</i>	78.03 4.82 26.10	18.98
10 14 53 00-0008 EA 36" x 36" Aluminum Engineer Grade Stop Sign..... <i>For Hi-Intensity Grade, Add</i> <i>For Diamond Grade, Add</i>	104.04 14.16 44.40	19.84
10 14 53 00-0009 Other ReflectORIZED Traffic Signs (10 14 53 00-0002) Note: Other traffic signs includes reserve, handicap, visitor, no parking, property, speed limit, tow away, ADA, parking time limit, parking exclusive area, school, traffic/caution, etc. Excludes posts.		
10 14 53 00-0010 Aluminum Engineer Grade Traffic Signs (10 14 53 00-0009)		
10 14 53 00-0011 EA 6" x 12" Aluminum Engineer Grade Traffic Sign <i>For Hi-Intensity Grade, Add</i>	34.18 1.59	14.43
10 14 53 00-0012 EA 6" x 18" Aluminum Engineer Grade Traffic Sign <i>For Hi-Intensity Grade, Add</i>	36.84 2.39	14.43
10 14 53 00-0013 EA 9" x 12" Aluminum Engineer Grade Traffic Sign <i>For Hi-Intensity Grade, Add</i>	36.84 2.39	14.43
10 14 53 00-0014 EA 9" x 15" Aluminum Engineer Grade Traffic Sign <i>For Hi-Intensity Grade, Add</i>	38.83 2.99	14.43
10 14 53 00-0015 EA 9" x 18" Aluminum Engineer Grade Traffic Sign <i>For Hi-Intensity Grade, Add</i>	40.83 3.59	14.43
10 14 53 00-0016 EA 9" x 24" Aluminum Engineer Grade Traffic Sign <i>For Hi-Intensity Grade, Add</i>	46.61 4.78	15.34
10 14 53 00-0017 EA 9" x 48" Aluminum Engineer Grade Traffic Sign <i>For Hi-Intensity Grade, Add</i>	62.55 9.56	15.34
10 14 53 00-0018 EA 12" x 12" Aluminum Engineer Grade Traffic Sign <i>For Hi-Intensity Grade, Add</i>	39.50 3.19	14.43
10 14 53 00-0019 EA 12" x 18" Aluminum Engineer Grade Traffic Sign <i>For Hi-Intensity Grade, Add</i>	46.61 4.78	15.34
10 14 53 00-0020 EA 12" x 24" Aluminum Engineer Grade Traffic Sign <i>For Hi-Intensity Grade, Add</i>	51.92 6.38	15.34
10 14 53 00-0021 EA 12" x 30" Aluminum Engineer Grade Traffic Sign <i>For Hi-Intensity Grade, Add</i>	57.24 7.97	15.34



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 53 00-0022 EA 12" x 36" Aluminum Engineer Grade Traffic Sign <i>For Hi-Intensity Grade, Add</i>	62.55 9.56	15.34
10 14 53 00-0023 EA 18" x 18" Aluminum Engineer Grade Traffic Sign <i>For Hi-Intensity Grade, Add</i>	54.58 7.17	15.34
10 14 53 00-0024 EA 18" x 24" Aluminum Engineer Grade Traffic Sign <i>For Hi-Intensity Grade, Add</i>	62.55 9.56	15.34
10 14 53 00-0025 EA 18" x 30" Aluminum Engineer Grade Traffic Sign <i>For Hi-Intensity Grade, Add</i>	72.32 11.96	16.24
10 14 53 00-0026 EA 18" x 36" Aluminum Engineer Grade Traffic Sign <i>For Hi-Intensity Grade, Add</i>	80.29 14.35	16.24
10 14 53 00-0027 EA 18" x 48" Aluminum Engineer Grade Traffic Sign <i>For Hi-Intensity Grade, Add</i>	103.45 19.13	19.84
10 14 53 00-0028 EA 18" x 54" Aluminum Engineer Grade Traffic Sign <i>For Hi-Intensity Grade, Add</i>	111.42 21.52	19.84
10 14 53 00-0029 EA 24" x 24" Aluminum Engineer Grade Traffic Sign <i>For Hi-Intensity Grade, Add</i>	74.98 12.75	16.24
10 14 53 00-0030 EA 24" x 30" Aluminum Engineer Grade Traffic Sign <i>For Hi-Intensity Grade, Add</i>	85.61 15.94	16.24
10 14 53 00-0031 EA 24" x 36" Aluminum Engineer Grade Traffic Sign <i>For Hi-Intensity Grade, Add</i>	96.23 19.13	16.24
10 14 53 00-0032 EA 24" x 42" Aluminum Engineer Grade Traffic Sign <i>For Hi-Intensity Grade, Add</i>	114.08 22.32	19.84
10 14 53 00-0033 EA 24" x 48" Aluminum Engineer Grade Traffic Sign <i>For Hi-Intensity Grade, Add</i>	124.71 25.51	19.84
10 14 53 00-0034 EA 24" x 54" Aluminum Engineer Grade Traffic Sign <i>For Hi-Intensity Grade, Add</i>	135.33 28.69	19.84
10 14 53 00-0035 EA 24" x 60" Aluminum Engineer Grade Traffic Sign <i>For Hi-Intensity Grade, Add</i>	145.96 31.88	19.84
10 14 53 00-0036 EA 30" x 30" Aluminum Engineer Grade Traffic Sign <i>For Hi-Intensity Grade, Add</i>	98.89 19.93	16.24
10 14 53 00-0037 EA 30" x 36" Aluminum Engineer Grade Traffic Sign <i>For Hi-Intensity Grade, Add</i>	119.39 23.91	19.84
10 14 53 00-0038 EA 30" x 42" Aluminum Engineer Grade Traffic Sign <i>For Hi-Intensity Grade, Add</i>	132.68 27.90	19.84
10 14 53 00-0039 EA 30" x 48" Aluminum Engineer Grade Traffic Sign <i>For Hi-Intensity Grade, Add</i>	153.17 31.88	23.45
10 14 53 00-0040 EA 30" x 60" Aluminum Engineer Grade Traffic Sign <i>For Hi-Intensity Grade, Add</i>	186.96 39.85	27.06
10 14 53 00-0041 EA 36" x 36" Aluminum Engineer Grade Traffic Sign <i>For Hi-Intensity Grade, Add</i>	135.33 28.69	19.84
10 14 53 00-0042 EA 36" x 42" Aluminum Engineer Grade Traffic Sign <i>For Hi-Intensity Grade, Add</i>	158.49 33.48	23.45
10 14 53 00-0043 EA 36" x 48" Aluminum Engineer Grade Traffic Sign <i>For Hi-Intensity Grade, Add</i>	181.65 38.26	27.06
10 14 53 00-0044 EA 36" x 54" Aluminum Engineer Grade Traffic Sign <i>For Hi-Intensity Grade, Add</i>	197.59 43.04	27.06
10 14 53 00-0045 EA 36" x 60" Aluminum Engineer Grade Traffic Sign <i>For Hi-Intensity Grade, Add</i>	220.75 47.82	30.67
10 14 53 00-0046 EA 36" x 73" Aluminum Engineer Grade Traffic Sign <i>For Hi-Intensity Grade, Add</i>	262.51 58.19	34.27
10 14 53 00-0047 EA 36" x 78" Aluminum Engineer Grade Traffic Sign <i>For Hi-Intensity Grade, Add</i>	275.79 62.17	34.27
10 14 53 00-0048 EA 36" x 108" Aluminum Engineer Grade Traffic Sign <i>For Hi-Intensity Grade, Add</i>	366.31 86.08	39.69
10 14 53 00-0049 EA 42" x 42" Aluminum Engineer Grade Traffic Sign <i>For Hi-Intensity Grade, Add</i>	184.30 39.05	27.06
10 14 53 00-0050 EA 48" x 48" Aluminum Engineer Grade Traffic Sign <i>For Hi-Intensity Grade, Add</i>	231.38 51.01	30.67
10 14 53 00-0051 EA 48" x 54" Aluminum Engineer Grade Traffic Sign <i>For Hi-Intensity Grade, Add</i>	259.85 57.39	34.27
10 14 53 00-0052 EA 48" x 60" Aluminum Engineer Grade Traffic Sign <i>For Hi-Intensity Grade, Add</i>	281.10 63.76	34.27
10 14 53 00-0053 EA 48" x 66" Aluminum Engineer Grade Traffic Sign <i>For Hi-Intensity Grade, Add</i>	313.18 70.14	39.69
10 14 53 00-0054 EA 48" x 72" Aluminum Engineer Grade Traffic Sign <i>For Hi-Intensity Grade, Add</i>	334.43 76.52	39.69
10 14 53 00-0055 EA 48" x 84" Aluminum Engineer Grade Traffic Sign <i>For Hi-Intensity Grade, Add</i>	384.15 89.27	43.30
10 14 53 00-0056 EA 48" x 96" Aluminum Engineer Grade Traffic Sign <i>For Hi-Intensity Grade, Add</i>	426.66 102.02	43.30
10 14 53 00-0057 EA 48" x 102" Aluminum Engineer Grade Traffic Sign <i>For Hi-Intensity Grade, Add</i>	447.91 108.40	43.30
10 14 53 00-0058 EA 48" x 108" Aluminum Engineer Grade Traffic Sign <i>For Hi-Intensity Grade, Add</i>	472.78 114.77	45.10
10 14 53 00-0059 EA 60" x 72" Aluminum Engineer Grade Traffic Sign <i>For Hi-Intensity Grade, Add</i>	405.41 95.65	43.30
10 14 53 00-0060 EA 72" x 144" Aluminum Engineer Grade Traffic Sign <i>For Hi-Intensity Grade, Add</i>	880.62 229.55	57.73
10 14 53 00-0061 EA 78" x 96" Aluminum Engineer Grade Traffic Sign <i>For Hi-Intensity Grade, Add</i>	642.81 165.78	45.10



Specialties	10
Information Specialties	10 10
Signage	10 14

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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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10 14 53 00-0062 Non-Reflectorized Traffic Signs (10 14 53 00-0001)

Note: Includes reserved parking, handicap parking, visitor parking, no parking, tow away zones, etc. Excludes posts.

10 14 53 00-0063 Steel Non-Reflectorized Traffic Signs (10 14 53 00-0062)

10 14 53 00-0064	EA	6" x 12" Steel Non Reflectorized Traffic Sign.....	33.46	14.43
10 14 53 00-0065	EA	6" x 18" Steel Non Reflectorized Traffic Sign.....	35.76	14.43
10 14 53 00-0066	EA	9" x 12" Steel Non Reflectorized Traffic Sign.....	35.76	14.43
10 14 53 00-0067	EA	9" x 15" Steel Non Reflectorized Traffic Sign.....	37.48	14.43
10 14 53 00-0068	EA	9" x 18" Steel Non Reflectorized Traffic Sign.....	39.21	14.43
10 14 53 00-0069	EA	9" x 24" Steel Non Reflectorized Traffic Sign.....	44.45	15.34
10 14 53 00-0070	EA	9" x 48" Steel Non Reflectorized Traffic Sign.....	58.23	15.34
10 14 53 00-0071	EA	12" x 12" Steel Non Reflectorized Traffic Sign.....	38.06	14.43
10 14 53 00-0072	EA	12" x 18" Steel Non Reflectorized Traffic Sign.....	44.45	15.34
10 14 53 00-0073	EA	12" x 24" Steel Non Reflectorized Traffic Sign.....	49.04	15.34
10 14 53 00-0074	EA	12" x 30" Steel Non Reflectorized Traffic Sign.....	53.64	15.34
10 14 53 00-0075	EA	12" x 36" Steel Non Reflectorized Traffic Sign.....	58.23	15.34
10 14 53 00-0076	EA	18" x 18" Steel Non Reflectorized Traffic Sign.....	51.34	15.34
10 14 53 00-0077	EA	18" x 24" Steel Non Reflectorized Traffic Sign.....	58.23	15.34
10 14 53 00-0078	EA	18" x 30" Steel Non Reflectorized Traffic Sign.....	66.92	16.24
10 14 53 00-0079	EA	18" x 36" Steel Non Reflectorized Traffic Sign.....	73.81	16.24
10 14 53 00-0080	EA	18" x 48" Steel Non Reflectorized Traffic Sign.....	94.81	19.84
10 14 53 00-0081	EA	18" x 54" Steel Non Reflectorized Traffic Sign.....	101.70	19.84
10 14 53 00-0082	EA	24" x 24" Steel Non Reflectorized Traffic Sign.....	69.22	16.24
10 14 53 00-0083	EA	24" x 30" Steel Non Reflectorized Traffic Sign.....	78.41	16.24
10 14 53 00-0084	EA	24" x 36" Steel Non Reflectorized Traffic Sign.....	87.59	16.24
10 14 53 00-0085	EA	24" x 42" Steel Non Reflectorized Traffic Sign.....	104.00	19.84
10 14 53 00-0086	EA	24" x 48" Steel Non Reflectorized Traffic Sign.....	113.19	19.84
10 14 53 00-0087	EA	24" x 54" Steel Non Reflectorized Traffic Sign.....	122.37	19.84
10 14 53 00-0088	EA	24" x 60" Steel Non Reflectorized Traffic Sign.....	131.56	19.84
10 14 53 00-0089	EA	30" x 30" Steel Non Reflectorized Traffic Sign.....	89.89	16.24
10 14 53 00-0090	EA	30" x 36" Steel Non Reflectorized Traffic Sign.....	108.59	19.84
10 14 53 00-0091	EA	30" x 42" Steel Non Reflectorized Traffic Sign.....	120.08	19.84
10 14 53 00-0092	EA	30" x 48" Steel Non Reflectorized Traffic Sign.....	138.77	23.45
10 14 53 00-0093	EA	30" x 60" Steel Non Reflectorized Traffic Sign.....	168.96	27.06
10 14 53 00-0094	EA	36" x 36" Steel Non Reflectorized Traffic Sign.....	122.37	19.84
10 14 53 00-0095	EA	36" x 42" Steel Non Reflectorized Traffic Sign.....	143.37	23.45
10 14 53 00-0096	EA	36" x 48" Steel Non Reflectorized Traffic Sign.....	164.37	27.06
10 14 53 00-0097	EA	36" x 54" Steel Non Reflectorized Traffic Sign.....	178.15	27.06
10 14 53 00-0098	EA	36" x 60" Steel Non Reflectorized Traffic Sign.....	199.15	30.67
10 14 53 00-0099	EA	36" x 73" Steel Non Reflectorized Traffic Sign.....	236.23	34.27
10 14 53 00-0100	EA	36" x 78" Steel Non Reflectorized Traffic Sign.....	247.71	34.27
10 14 53 00-0101	EA	36" x 108" Steel Non Reflectorized Traffic Sign.....	327.43	39.69
10 14 53 00-0102	EA	42" x 42" Steel Non Reflectorized Traffic Sign.....	166.66	27.06
10 14 53 00-0103	EA	48" x 48" Steel Non Reflectorized Traffic Sign.....	208.34	30.67
10 14 53 00-0104	EA	48" x 54" Steel Non Reflectorized Traffic Sign.....	233.93	34.27
10 14 53 00-0105	EA	48" x 60" Steel Non Reflectorized Traffic Sign.....	252.30	34.27
10 14 53 00-0106	EA	48" x 66" Steel Non Reflectorized Traffic Sign.....	281.50	39.69
10 14 53 00-0107	EA	48" x 72" Steel Non Reflectorized Traffic Sign.....	299.87	39.69
10 14 53 00-0108	EA	48" x 84" Steel Non Reflectorized Traffic Sign.....	343.83	43.30
10 14 53 00-0109	EA	48" x 96" Steel Non Reflectorized Traffic Sign.....	380.58	43.30
10 14 53 00-0110	EA	48" x 102" Steel Non Reflectorized Traffic Sign.....	398.95	43.30
10 14 53 00-0111	EA	48" x 108" Steel Non Reflectorized Traffic Sign.....	420.94	45.10
10 14 53 00-0112	EA	60" x 72" Steel Non Reflectorized Traffic Sign.....	362.21	43.30
10 14 53 00-0113	EA	72" x 144" Steel Non Reflectorized Traffic Sign.....	776.94	57.73
10 14 53 00-0114	EA	78" x 96" Steel Non Reflectorized Traffic Sign.....	567.93	45.10

10 14 53 00-0115 Aluminum Non-Reflectorized Traffic Signs (10 14 53 00-0062)

10 14 53 00-0116	EA	6" x 12" Aluminum Non Reflectorized Traffic Sign.....	33.65	14.43
10 14 53 00-0117	EA	6" x 18" Aluminum Non Reflectorized Traffic Sign.....	36.04	14.43
10 14 53 00-0118	EA	9" x 12" Aluminum Non Reflectorized Traffic Sign.....	36.04	14.43
10 14 53 00-0119	EA	9" x 15" Aluminum Non Reflectorized Traffic Sign.....	37.83	14.43
10 14 53 00-0120	EA	9" x 18" Aluminum Non Reflectorized Traffic Sign.....	39.63	14.43
10 14 53 00-0121	EA	9" x 24" Aluminum Non Reflectorized Traffic Sign.....	45.01	15.34
10 14 53 00-0122	EA	9" x 48" Aluminum Non Reflectorized Traffic Sign.....	59.35	15.34
10 14 53 00-0123	EA	12" x 12" Aluminum Non Reflectorized Traffic Sign.....	38.43	14.43
10 14 53 00-0124	EA	12" x 18" Aluminum Non Reflectorized Traffic Sign.....	45.01	15.34
10 14 53 00-0125	EA	12" x 24" Aluminum Non Reflectorized Traffic Sign.....	49.79	15.34
10 14 53 00-0126	EA	12" x 30" Aluminum Non Reflectorized Traffic Sign.....	54.57	15.34
10 14 53 00-0127	EA	12" x 36" Aluminum Non Reflectorized Traffic Sign.....	59.35	15.34
10 14 53 00-0128	EA	18" x 18" Aluminum Non Reflectorized Traffic Sign.....	52.18	15.34
10 14 53 00-0129	EA	18" x 24" Aluminum Non Reflectorized Traffic Sign.....	59.35	15.34
10 14 53 00-0130	EA	18" x 30" Aluminum Non Reflectorized Traffic Sign.....	68.33	16.24
10 14 53 00-0131	EA	18" x 36" Aluminum Non Reflectorized Traffic Sign.....	75.50	16.24
10 14 53 00-0132	EA	18" x 48" Aluminum Non Reflectorized Traffic Sign.....	97.06	19.84
10 14 53 00-0133	EA	18" x 54" Aluminum Non Reflectorized Traffic Sign.....	104.23	19.84
10 14 53 00-0134	EA	24" x 24" Aluminum Non Reflectorized Traffic Sign.....	70.72	16.24
10 14 53 00-0135	EA	24" x 30" Aluminum Non Reflectorized Traffic Sign.....	80.28	16.24
10 14 53 00-0136	EA	24" x 36" Aluminum Non Reflectorized Traffic Sign.....	89.84	16.24
10 14 53 00-0137	EA	24" x 42" Aluminum Non Reflectorized Traffic Sign.....	106.62	19.84



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 53 00-0138 EA 24" x 48" Aluminum Non Reflectorized Traffic Sign	116.18	19.84
10 14 53 00-0139 EA 24" x 54" Aluminum Non Reflectorized Traffic Sign	125.74	19.84
10 14 53 00-0140 EA 24" x 60" Aluminum Non Reflectorized Traffic Sign	135.31	19.84
10 14 53 00-0141 EA 30" x 30" Aluminum Non Reflectorized Traffic Sign	92.23	16.24
10 14 53 00-0142 EA 30" x 36" Aluminum Non Reflectorized Traffic Sign	111.40	19.84
10 14 53 00-0143 EA 30" x 42" Aluminum Non Reflectorized Traffic Sign	123.35	19.84
10 14 53 00-0144 EA 30" x 48" Aluminum Non Reflectorized Traffic Sign	142.52	23.45
10 14 53 00-0145 EA 30" x 60" Aluminum Non Reflectorized Traffic Sign	173.64	27.06
10 14 53 00-0146 EA 36" x 36" Aluminum Non Reflectorized Traffic Sign	125.74	19.84
10 14 53 00-0147 EA 36" x 42" Aluminum Non Reflectorized Traffic Sign	147.30	23.45
10 14 53 00-0148 EA 36" x 48" Aluminum Non Reflectorized Traffic Sign	168.86	27.06
10 14 53 00-0149 EA 36" x 54" Aluminum Non Reflectorized Traffic Sign	183.20	27.06
10 14 53 00-0150 EA 36" x 60" Aluminum Non Reflectorized Traffic Sign	204.76	30.67
10 14 53 00-0151 EA 36" x 73" Aluminum Non Reflectorized Traffic Sign	243.06	34.27
10 14 53 00-0152 EA 36" x 78" Aluminum Non Reflectorized Traffic Sign	255.01	34.27
10 14 53 00-0153 EA 36" x 108" Aluminum Non Reflectorized Traffic Sign	337.54	39.69
10 14 53 00-0154 EA 42" x 42" Aluminum Non Reflectorized Traffic Sign	171.25	27.06
10 14 53 00-0155 EA 48" x 48" Aluminum Non Reflectorized Traffic Sign	214.33	30.67
10 14 53 00-0156 EA 48" x 54" Aluminum Non Reflectorized Traffic Sign	240.67	34.27
10 14 53 00-0157 EA 48" x 60" Aluminum Non Reflectorized Traffic Sign	259.79	34.27
10 14 53 00-0158 EA 48" x 66" Aluminum Non Reflectorized Traffic Sign	289.74	39.69
10 14 53 00-0159 EA 48" x 72" Aluminum Non Reflectorized Traffic Sign	308.86	39.69
10 14 53 00-0160 EA 48" x 84" Aluminum Non Reflectorized Traffic Sign	354.31	43.30
10 14 53 00-0161 EA 48" x 96" Aluminum Non Reflectorized Traffic Sign	392.56	43.30
10 14 53 00-0162 EA 48" x 102" Aluminum Non Reflectorized Traffic Sign	411.68	43.30
10 14 53 00-0163 EA 48" x 108" Aluminum Non Reflectorized Traffic Sign	434.42	45.10
10 14 53 00-0164 EA 60" x 72" Aluminum Non Reflectorized Traffic Sign	373.44	43.30
10 14 53 00-0165 EA 72" x 144" Aluminum Non Reflectorized Traffic Sign	803.90	57.73
10 14 53 00-0166 EA 78" x 96" Aluminum Non Reflectorized Traffic Sign	587.40	45.10
10 14 53 00-0167 Aluminum Street Signs (10 14 53 00-0001)		
Note: Excludes posts.		
10 14 53 00-0168 Aluminum Engineer Grade Street Signs (10 14 53 00-0167)		
10 14 53 00-0169 EA 6" High, Aluminum Engineer Grade Street Sign	58.37	7.21
10 14 53 00-0170 EA 8" High, Aluminum Engineer Grade Street Sign	66.13	7.21
10 14 53 00-0171 EA 9" High, Aluminum Engineer Grade Street Sign	71.91	7.21
10 14 53 00-0172 Street Sign Accessories (10 14 53 00-0167)		
10 14 53 00-0173 EA Post Cap And Single Bracket For Street Sign.....	17.78	3.61
10 14 53 00-0174 EA Post Cap And Double Bracket For Street Sign	17.78	3.61
10 14 53 00-0175 Sign Posts (10 14 53 00-0001)		
Note: Excludes sign. See CSI section 32 31 13 13-0001 for auguring of holes and backfill.		
10 14 53 00-0176 U-Channel Sign Posts (10 14 53 00-0175)		
Note: Excludes digging and concrete.		
10 14 53 00-0177 Baked Enamel U-Channel Sign Posts (10 14 53 00-0176)		
10 14 53 00-0178 EA 3' To 4' Baked Enamel U-Channel Sign Post Base.....	47.76	14.71
10 14 53 00-0179 EA 6' Baked Enamel U-Channel Sign Post.....	62.56	18.39
10 14 53 00-0180 EA 7' Baked Enamel U-Channel Sign Post.....	74.72	22.06
10 14 53 00-0181 EA 8' Baked Enamel U-Channel Sign Post.....	87.47	25.74
10 14 53 00-0182 EA 10' Baked Enamel U-Channel Sign Post.....	105.57	31.26
10 14 53 00-0183 EA 12' Baked Enamel U-Channel Sign Post.....	108.51	31.26
10 14 53 00-0184 Galvanized Steel U-Channel Sign Posts (10 14 53 00-0176)		
10 14 53 00-0185 EA 3' To 4' Galvanized Steel U-Channel Sign Post Base.....	51.54	14.71
10 14 53 00-0186 EA 6' Galvanized Steel U-Channel Sign Post.....	68.56	18.39
10 14 53 00-0187 EA 7' Galvanized Steel U-Channel Sign Post.....	88.29	22.06
10 14 53 00-0188 EA 8' Galvanized Steel U-Channel Sign Post.....	102.47	25.74
10 14 53 00-0189 EA 10' Galvanized Steel U-Channel Sign Post.....	116.49	31.26
10 14 53 00-0190 EA 12' Galvanized Steel U-Channel Sign Post.....	118.01	31.26
10 14 53 00-0191 Fiberglass Or Composite Plastic U-Channel Sign Posts (10 14 53 00-0176)		
10 14 53 00-0192 EA 3' To 4' Fiberglass Or Composite Plastic U-Channel Sign Post Base.....	46.87	14.71
10 14 53 00-0193 EA 6' Fiberglass Or Composite Plastic U-Channel Sign Post.....	60.62	18.39
10 14 53 00-0194 EA 7' Fiberglass Or Composite Plastic U-Channel Sign Post.....	72.38	22.06
10 14 53 00-0195 EA 8' Fiberglass Or Composite Plastic U-Channel Sign Post.....	84.68	25.74
10 14 53 00-0196 EA 10' Fiberglass Or Composite Plastic U-Channel Sign Post.....	100.51	31.26
10 14 53 00-0197 EA 12' Fiberglass Or Composite Plastic U-Channel Sign Post.....	105.51	31.26
10 14 53 00-0198 Tubular Sign Posts (10 14 53 00-0175)		
Note: Excludes digging and concrete.		
10 14 53 00-0199 2-3/8" Diameter, Galvanized Steel Tubular Sign Post (10 14 53 00-0198)		



Specialties	10	10
Information Specialties	10 10	
Signage	10 14	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 53 00-0200 EA 6', 2-3/8" Diameter, Galvanized Steel Tubular Sign Post.....	69.18	18.39
10 14 53 00-0201 EA 7', 2-3/8" Diameter, Galvanized Steel Tubular Sign Post.....	82.13	22.06
10 14 53 00-0202 EA 8', 2-3/8" Diameter, Galvanized Steel Tubular Sign Post.....	96.97	25.74
10 14 53 00-0203 EA 10', 2-3/8" Diameter, Galvanized Steel Tubular Sign Post.....	124.70	31.26
10 14 53 00-0204 EA 12', 2-3/8" Diameter, Galvanized Steel Tubular Sign Post.....	135.00	31.26
10 14 53 00-0205 Square Sign Posts (10 14 53 00-0175) Note: Excludes digging and concrete.		
10 14 53 00-0206 Galvanized Steel Square Sign Posts (10 14 53 00-0205)		
10 14 53 00-0207 EA 3' To 4' Galvanized Steel Square Sign Post Base	52.38	14.71
10 14 53 00-0208 EA 6' Galvanized Steel Square Sign Post	82.77	18.39
10 14 53 00-0209 EA 7' Galvanized Steel Square Sign Post.....	97.13	22.06
10 14 53 00-0210 EA 8' Galvanized Steel Square Sign Post	113.29	25.74
10 14 53 00-0211 EA 10' Galvanized Steel Square Sign Post	138.32	31.26
10 14 53 00-0212 EA 12' Galvanized Steel Square Sign Post.....	145.51	31.26
10 14 53 00-0213 Sign Post Accessories (10 14 53 00-0001)		
10 14 53 00-0214 Sign Post Brackets (10 14 53 00-0213)		
10 14 53 00-0215 EA 2-3/8" Outside Diameter, Single Sign Bracket Set.....	23.51	5.42
10 14 53 00-0216 EA 2-3/8" Outside Diameter, Double Sign Bracket Set.....	42.33	9.02
10 14 53 00-0217 EA 10 cm - 37 cm Diameter, Buckle Bracket Set	36.42	7.21
10 14 53 00-0218 Sign Post Caps (10 14 53 00-0213)		
10 14 53 00-0219 EA Traffic Sign Post Cap.....	13.10	3.61
10 14 53 00-0220 Sign Post Replacement Bolts (10 14 53 00-0213)		
10 14 53 00-0221 EA Signage Fasteners, 2 Bolts, 2 Nuts And 4 Washers	9.20	
10 14 53 00-0222 Removal Of Signs (10 14 53) Note: Includes structural supports.		
10 14 53 00-0223 EA >4 To 10 SF Sign Area, Sign Removal.....	144.33	
10 14 53 00-0224 EA >10 To 20 SF Sign Area, Sign Removal	346.38	
10 14 53 00-0225 EA >20 To 40 SF Sign Area, Sign Removal	519.57	
10 14 53 00-0226 EA >40 To 100 SF Sign Area, Sign Removal.....	795.38	
10 14 53 00-0227 Remove And Reinstall Signs (10 14 53) Note: Includes structural supports.		
10 14 53 00-0228 EA >4 To 10 SF Sign Area, Removal And Reinstallation Of Sign	219.78	
10 14 53 00-0229 EA >10 To 20 SF Sign Area, Removal And Reinstallation Of Sign	521.92	
10 14 53 00-0230 EA >20 SF To 40 SF Sign Area, Removal And Reinstallation Of Sign	781.34	
10 14 53 00-0231 EA >40 SF To 100 SF Sign Area, Removal And Reinstallation Of Sign.....	1,194.94	
10 14 53 00-0232 EA Removal And Reinstallation Of Street Sign On Post	82.99	
10 14 53 00-0233 EA Removal And Relocation Of Traffic Light.....	280.37	
Note: Excludes electrical hookup.		
10 14 56 Bridge Signage (10 14)		
10 14 56 00-0001 Bridge And Truss Mounted Signs (10 14 56)		
10 14 56 00-0002 Removal Of Bridge And Truss Mounted Signs (10 14 56 00-0001)		
10 14 56 00-0003 CF Removal Of Foundation, Including Excavation.....	12.85	
10 14 56 00-0004 LF Removal Of Truss And Supports	173.27	
10 14 56 00-0005 SF Removal Of Sign Face.....	7.92	
10 14 56 00-0006 SF Removal Of Legend.....	13.20	
10 14 56 00-0007 EA Removal Of Changeable Message Panel.....	152.32	
10 14 56 00-0008 EA Removal Of Posts And Supports, Per Post.....	79.21	
10 14 56 00-0009 Fabricate And Install New Reflective Messages On Sign Face (10 14 56 00-0001)		
10 14 56 00-0010 One Color/3 Dimensional Demountable Letters (10 14 56 00-0009)		
10 14 56 00-0011 EA 6" Capital Height Letter.....	24.12	
10 14 56 00-0012 EA 8" Capital Height Letter.....	28.63	
10 14 56 00-0013 EA 10" Capital Height Letter.....	33.09	
10 14 56 00-0014 EA 12" Capital Height Letter.....	37.16	
10 14 56 00-0015 EA 14" Capital Height Letter.....	39.68	
10 14 56 00-0016 Two Color Legend Shields-Die Cut Vinyl Engineer Grade (10 14 56 00-0009)		
10 14 56 00-0017 EA 6" Legend/Shields.....	24.97	
10 14 56 00-0018 EA 8" Legend/Shields.....	29.76	
10 14 56 00-0019 EA 10" Legend/Shields.....	34.50	

10	10	Specialties
	10 10	Information Specialties
	10 14	Signage



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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10 14 56 00-0020 EA 12" Legend/Shields.....	38.85	
10 14 56 00-0021 EA 14" Legend/Shields.....	41.67	

10 17 Telephone Specialties (10 10)

10 17 16 Telephone Enclosures (10 17)

10 17 16 13 Telephone Stalls (10 17 16)

10 17 16 13-0001 EA Shelf Type, Wall Hung, Average.....	2,000.93	144.68
10 17 16 13-0002 EA Booth Type, Painted Steel, Indoor Or Outdoor.....	5,730.34	482.43
10 17 16 13-0003 EA Booth Type, Stainless Steel, Indoor Or Outdoor.....	16,064.51	482.43
10 17 16 13-0004 EA Outdoor, Acoustical, On Post.....	1,973.31	240.99
10 17 16 13-0005 EA Phone Carousel, Pedestal Mounted With Dividers.....	7,692.50	995.07
10 17 16 13-0006 EA Outdoor Drive-up Type, Wall Mounted.....	1,293.76	180.85
10 17 16 13-0007 EA Outdoor Drive-up Type, Post Mounted, Stainless Steel.....	1,915.17	237.37
10 17 16 13-0008 EA Telephone Enclosure, Booth Type, Indoor, Stainless Steel 42" High x 26-1/4" Wide x 15-3/16" Deep, Bronze Powder Coated Steel Exterior.....	12,370.38	483.06
10 17 16 13-0009 EA Telephone Enclosure, Booth Type, Painted Steel, Indoor Or Outdoor (Stainless Steel).....	18,249.32	483.06
10 17 16 13-0010 EA Telephone Enclosure, Outdoor, Phone Carousel, Pedestal Mounted With Dividers.....	8,612.15	1,202.51

10 17 19 Telephone Shelving (10 17)

10 17 19 00-0001 EA 3 Binder Directory Shelf.....	1,321.25	90.43
10 17 19 00-0002 EA Directory Shelf, Wall Mounted, Stainless Steel, 3 Binders.....	1,715.58	90.43
10 17 19 00-0003 EA Directory Shelf, Wall Mounted, Stainless Steel, 4 Binders.....	1,969.12	103.54
10 17 19 00-0004 EA Directory Shelf, Wall Mounted, Stainless Steel, 5 Binders.....	2,373.10	120.72
10 17 19 00-0005 EA Directory Shelf, Table Type, Stainless Steel, 4 Binders.....	2,066.11	90.43
10 17 19 00-0006 EA Directory Shelf, Table Type, Stainless Steel, 7 Binders.....	2,528.07	103.54

10 20 Interior Specialties (10)

10 21 Compartments And Cubicles (10 20)

10 21 13 Toilet Compartments (10 21)

10 21 13 13 Metal Toilet Compartments (10 21 13)

10 21 13 13-0001	Enamel Coated Steel Toilet Partitions And Urinal Screens <small>(10 21 13 13)</small> Note: Complete toilet partitions for corner installations. Includes 1" door, 1-1/4" pilaster, 1" separator panel, trim shoes, and standard stainless steel hardware as required. For alcove, recessed or configurations other than corner installations use either: (1) the appropriate corner unit and add individual components or (2) individual components. Individual components include trim shoes and standard stainless steel hardware as required. Constructed of galvanized sheet metal, cleaned, primed and finished with oven baked enamel or epoxy coating.		
10 21 13 13-0002	Enamel Coated Steel Toilet Partitions <small>(10 21 13 13-0001)</small> Note: All colors.		
10 21 13 13-0003	Floor Anchored, Enamel Coated Steel, Complete Toilet Partitions <small>(10 21 13 13-0002)</small>		
10 21 13 13-0004	EA 36" x 60", Floor Anchored, Enamel Coated Steel, One Compartment Corner Unit, Complete Toilet Partition.....	683.83	101.73
	<i>For >10, Deduct</i>	-48.04	
	<i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	90.66	
10 21 13 13-0005	EA 60" x 60", Floor Anchored, Enamel Coated Steel, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition.....	821.71	110.77
	<i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	90.66	
10 21 13 13-0006	EA 60" x 78", Floor Anchored, Enamel Coated Steel, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition.....	876.30	115.30
	<i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	90.66	
10 21 13 13-0007	Overhead Braced, Enamel Coated Steel, Complete Toilet Partitions <small>(10 21 13 13-0002)</small> Note: Includes headrail.		
10 21 13 13-0008	EA 36" x 60", Overhead Braced, Enamel Coated Steel, One Compartment Corner Unit, Complete Toilet Partition.....	719.90	124.34
	<i>For >10, Deduct</i>	-47.12	
	<i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	90.66	
10 21 13 13-0009	EA 60" x 60", Overhead Braced, Enamel Coated Steel, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition.....	831.56	133.39
	<i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	90.66	
10 21 13 13-0010	EA 60" x 78", Overhead Braced, Enamel Coated Steel, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition.....	877.69	137.90
	<i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	90.66	
10 21 13 13-0011	Floor And Ceiling Anchored, Enamel Coated Steel, Complete Toilet Partitions <small>(10 21 13 13-0002)</small> Note: Excludes above ceiling steel.		
10 21 13 13-0012	EA 60" x 60", Floor And Ceiling Anchored, Enamel Coated Steel, One Compartment Corner Unit, Complete Toilet Partition.....	849.77	146.94
	<i>For >10, Deduct</i>	-55.59	
	<i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	90.66	



Specialties	10	10
Interior Specialties	10 20	
Compartments And Cubicles	10 21	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 13 13-0013 EA 60" x 60", Floor And Ceiling Anchored, Enamel Coated Steel, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	984.12	155.99
<i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	90.66	
10 21 13 13-0014 EA 60" x 78", Floor And Ceiling Anchored, Enamel Coated Steel, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	1,032.22	160.50
<i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	90.66	
10 21 13 13-0015 Ceiling Hung, Enamel Coated Steel, Complete Toilet Partitions <small>(10 21 13 13-0002)</small>		
Note: Excludes above ceiling steel.		
10 21 13 13-0016 EA 36" x 60", Ceiling Hung, Enamel Coated Steel, One Compartment Corner Unit, Complete Toilet Partition	833.16	169.55
<i>For >10, Deduct</i>	-49.41	
<i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	90.66	
10 21 13 13-0017 EA 60" x 60", Ceiling Hung, Enamel Coated Steel, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	989.30	178.59
<i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	90.66	
10 21 13 13-0018 EA 60" x 78", Ceiling Hung, Enamel Coated Steel, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	1,042.58	183.12
<i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	90.66	
10 21 13 13-0019 Enamel Coated Steel Urinal Screens <small>(10 21 13 13-0001)</small>		
Note: All colors.		
10 21 13 13-0020 Floor Anchored, Enamel Coated Steel, Urinal Screens <small>(10 21 13 13-0019)</small>		
10 21 13 13-0021 EA 24" x 58" x 1", Floor Anchored, Enamel Coated Steel, Urinal Screen.....	366.16	63.28
<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	25.12	
10 21 13 13-0022 EA 36" x 58" x 1", Floor Anchored, Enamel Coated Steel, Urinal Screen.....	404.88	67.80
<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	25.12	
10 21 13 13-0023 EA 48" x 58" x 1", Floor Anchored, Enamel Coated Steel, Urinal Screen.....	444.70	72.32
<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	25.12	
10 21 13 13-0024 Wall Hung, Enamel Coated Steel, Urinal Screens <small>(10 21 13 13-0019)</small>		
10 21 13 13-0025 EA 18" x 42" x 1", Wall Hung, Enamel Coated Steel, Urinal Screen	215.72	54.24
<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	25.12	
10 21 13 13-0026 EA 24" x 42" x 1", Wall Hung, Enamel Coated Steel, Urinal Screen	232.76	58.76
<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	25.12	
10 21 13 13-0027 EA 30" x 42" x 1", Wall Hung, Enamel Coated Steel, Urinal Screen	246.35	63.28
<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	25.12	
10 21 13 13-0028 Wall Hung, Wedge Shaped, Enamel Coated Steel, Urinal Screens <small>(10 21 13 13-0019)</small>		
10 21 13 13-0029 EA 18" x 30" x 1", Wall Hung, Wedge Shaped, Enamel Coated Steel, Urinal Screen.....	273.78	58.76
<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	25.12	
10 21 13 13-0030 Wall Hung And Post Supported, Enamel Coated Steel, Urinal Screens <small>(10 21 13 13-0019)</small>		
10 21 13 13-0031 EA 18" x 58" x 1", Wall Hung And Post Supported, Enamel Coated Steel, Urinal Screen.....	303.49	58.76
<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	25.12	
10 21 13 13-0032 EA 24" x 58" x 1", Wall Hung And Post Supported, Enamel Coated Steel, Urinal Screen.....	323.94	63.28
<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	25.12	
10 21 13 13-0033 EA 30" x 58" x 1", Wall Hung And Post Supported, Enamel Coated Steel, Urinal Screen.....	344.39	67.80
<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	25.12	
10 21 13 13-0034 Wall Hung And Overhead Braced, Enamel Coated Steel, Urinal Screens <small>(10 21 13 13-0019)</small>		
10 21 13 13-0035 EA 22" x 58" x 1", Wall Hung And Overhead Braced, Enamel Coated Steel, Urinal Screen	341.06	63.28
<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	25.12	
10 21 13 13-0036 EA 34" x 58" x 1", Wall Hung And Overhead Braced, Enamel Coated Steel, Urinal Screen	366.07	67.80
<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	25.12	
10 21 13 13-0037 EA 46" x 58" x 1", Wall Hung And Overhead Braced, Enamel Coated Steel, Urinal Screen	403.64	72.32
<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	25.12	
10 21 13 13-0038 Enamel Coated Steel Toilet Partition Doors, Panels And Pilasters <small>(10 21 13 13-0001)</small>		
Note: All colors. See CSI section 10 21 13 43-0000 for accessories, 10 21 13 43-0001 for other accessories.		
10 21 13 13-0039 Enamel Coated Steel, Toilet Partition Doors <small>(10 21 13 13-0038)</small>		
10 21 13 13-0040 EA 24" x 58" x 1", Enamel Coated Steel, Toilet Partition Door	209.60	18.09
<i>For Heavy Gauge Full-Height SS Hinge, Add</i>	40.42	
10 21 13 13-0041 EA 26" x 58" x 1", Enamel Coated Steel, Toilet Partition Door	214.17	18.09
<i>For Heavy Gauge Full-Height SS Hinge, Add</i>	40.42	
10 21 13 13-0042 EA 30" x 58" x 1", Enamel Coated Steel, Toilet Partition Door	227.14	19.44
<i>For Heavy Gauge Full-Height SS Hinge, Add</i>	40.42	
10 21 13 13-0043 EA 34" x 58" x 1", Enamel Coated Steel, ADA Compliant Toilet Partition Door.....	247.68	19.44
<i>For Heavy Gauge Full-Height SS Hinge, Add</i>	40.42	
10 21 13 13-0044 EA 36" x 58" x 1", Enamel Coated Steel, ADA Compliant Toilet Partition Door.....	252.25	19.44
<i>For Heavy Gauge Full-Height SS Hinge, Add</i>	40.42	
10 21 13 13-0045 Enamel Coated Steel, Toilet Partition Panels <small>(10 21 13 13-0038)</small>		

10 Specialties**10 20 Interior Specialties****10 21 Compartments And Cubicles**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 13 13-0046 EA 6" x 58" x 1", Enamel Coated Steel, Toilet Partition Panel..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	156.95 25.12	27.13
10 21 13 13-0047 EA 12" x 58" x 1", Enamel Coated Steel, Toilet Partition Panel..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	172.88 25.12	29.39
10 21 13 13-0048 EA 18" x 58" x 1", Enamel Coated Steel, Toilet Partition Panel..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	188.81 25.12	31.65
10 21 13 13-0049 EA 24" x 58" x 1", Enamel Coated Steel, Toilet Partition Panel..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	204.74 25.12	33.91
10 21 13 13-0050 EA 30" x 58" x 1", Enamel Coated Steel, Toilet Partition Panel..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	220.68 25.12	36.17
10 21 13 13-0051 EA 36" x 58" x 1", Enamel Coated Steel, Toilet Partition Panel..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	236.60 25.12	38.44
10 21 13 13-0052 EA 42" x 58" x 1", Enamel Coated Steel, Toilet Partition Panel..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	251.40 25.12	40.69
10 21 13 13-0053 EA 48" x 58" x 1", Enamel Coated Steel, Toilet Partition Panel..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	267.33 25.12	42.95
10 21 13 13-0054 EA 55" x 58" x 1", Enamel Coated Steel, Toilet Partition Panel..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	278.69 25.12	45.22
10 21 13 13-0055 EA 58" x 58" x 1", Enamel Coated Steel, Toilet Partition Panel..... <i>For Panel Reinforced At ADA Grab Bar, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	285.06 42.00 25.12	46.12
10 21 13 13-0056 EA 60" x 58" x 1", Enamel Coated Steel, Toilet Partition Panel..... <i>For Panel Reinforced At ADA Grab Bar, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	293.48 42.00 25.12	47.48
10 21 13 13-0057 EA 70" x 58" x 1", Enamel Coated Steel, Toilet Partition Panel..... <i>For Panel Reinforced At ADA Grab Bar, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	319.68 42.00 25.12	49.73
10 21 13 13-0058 EA 78" x 58" x 1", Enamel Coated Steel, Toilet Partition Panel..... <i>For Panel Reinforced At ADA Grab Bar, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	342.46 42.00 25.12	52.00
10 21 13 13-0059 70" Long, Enamel Coated Steel, Toilet Partition Pilasters (10 21 13 13-0038)		
10 21 13 13-0060 EA Up To 4" x 70" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	116.13 25.12	13.56
10 21 13 13-0061 EA 5" x 70" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	128.63 25.12	15.82
10 21 13 13-0062 EA 6" x 70" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	142.28 25.12	18.09
10 21 13 13-0063 EA 8" x 70" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	165.06 25.12	20.35
10 21 13 13-0064 EA 10" x 70" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	186.70 25.12	22.60
10 21 13 13-0065 EA 12" x 70" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	208.33 25.12	24.87
10 21 13 13-0066 EA 18" x 70" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	266.49 25.12	27.13
10 21 13 13-0067 EA 22" x 70" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	305.24 25.12	29.39
10 21 13 13-0068 EA 24" x 70" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	328.01 25.12	31.65
10 21 13 13-0069 82" Long, Enamel Coated Steel, Toilet Partition Pilasters (10 21 13 13-0038)		
10 21 13 13-0070 EA Up To 4" x 82" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	94.45 25.12	13.56
10 21 13 13-0071 EA 5" x 82" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	103.53 25.12	15.82
10 21 13 13-0072 EA 6" x 82" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	113.76 25.12	18.09
10 21 13 13-0073 EA 8" x 82" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	128.55 25.12	20.35
10 21 13 13-0074 EA 10" x 82" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	142.20 25.12	22.60
10 21 13 13-0075 EA 12" x 82" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	156.98 25.12	24.87
10 21 13 13-0076 EA 18" x 82" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	192.32 25.12	27.13
10 21 13 13-0077 EA 22" x 82" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	216.24 25.12	29.39
10 21 13 13-0078 EA 24" x 82" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	231.03 25.12	31.65
10 21 13 13-0079 96" To 120" Long, Enamel Coated Steel, Partition Pilasters (10 21 13 13-0038)		
10 21 13 13-0080 EA Up To 4" x 96" To 120" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	130.87 25.12	18.09
10 21 13 13-0081 EA 5" x 96" To 120" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	143.38 25.12	20.35
10 21 13 13-0082 EA 6" x 96" To 120" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	157.04 25.12	22.60
10 21 13 13-0083 EA 8" x 96" To 120" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	179.80 25.12	24.87



Specialties	10
Interior Specialties	10 20
Compartments And Cubicles	10 21

10

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 13 13-0084 EA 10" x 96" To 120" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	201.45 25.12	27.13
10 21 13 13-0085 EA 12" x 96" To 120" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	223.08 25.12	29.39
10 21 13 13-0086 EA 18" x 96" To 120" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	281.23 25.12	31.65
10 21 13 13-0087 EA 22" x 96" To 120" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	319.98 25.12	33.91
10 21 13 13-0088 EA 24" x 96" To 120" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	342.77 25.12	36.17
 10 21 13 14 Stainless-Steel Toilet Compartments (10 21 13)		
10 21 13 14-0001 Stainless Steel Toilet Partitions And Urinal Screens (10 21 13 14)		
Note: Complete toilet partitions for corner installations. Includes 1" door, 1-1/4" pilaster, 1" separator panel, trim shoes, and standard stainless steel hardware as required. For alcove, recessed or configurations other than corner installations use either: (1) the appropriate corner unit and add individual components or (2) individual components. Individual components include trim shoes and standard stainless steel hardware as required. Constructed of type 304 stainless steel. Includes satin finish.		
10 21 13 14-0002 Stainless Steel Toilet Partitions (10 21 13 14-0001)		
10 21 13 14-0003 Floor Anchored, Stainless Steel, Complete Toilet Partitions (10 21 13 14-0002)		
10 21 13 14-0004 EA 36" x 60", Floor Anchored, Stainless Steel, One Compartment Corner Unit, Complete Toilet Partition..... <i>For >10, Deduct</i> <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	1,925.47 -172.20 90.66 602.70	101.73
10 21 13 14-0005 EA 60" x 60", Floor Anchored, Stainless Steel, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition..... <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	2,325.45 90.66 736.37	110.77
10 21 13 14-0006 EA 60" x 78", Floor Anchored, Stainless Steel, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition..... <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	2,435.71 90.66 771.79	115.30
 10 21 13 14-0007 Overhead Braced, Stainless Steel, Complete Toilet Partitions (10 21 13 14-0002)		
Note: Includes headrail.		
10 21 13 14-0008 EA 36" x 60", Overhead Braced, Stainless Steel, One Compartment Corner Unit, Complete Toilet Partition..... <i>For >10, Deduct</i> <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	1,628.52 -137.99 90.66 482.95	124.34
10 21 13 14-0009 EA 60" x 60", Overhead Braced, Stainless Steel, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition..... <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	1,983.11 90.66 600.72	133.39
10 21 13 14-0010 EA 60" x 78", Overhead Braced, Stainless Steel, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition..... <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	2,161.34 90.66 659.94	137.90
 10 21 13 14-0011 Floor And Ceiling Anchored, Stainless Steel, Complete Toilet Partitions (10 21 13 14-0002)		
Note: Excludes above ceiling steel.		
10 21 13 14-0012 EA 36" x 60", Floor And Ceiling Anchored, Stainless Steel, One Compartment Corner Unit, Complete Toilet Partition..... <i>For >10, Deduct</i> <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	2,256.87 -196.30 90.66 687.04	146.94
10 21 13 14-0013 EA 60" x 60", Floor And Ceiling Anchored, Stainless Steel, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition..... <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	2,420.66 90.66 738.04	155.99
10 21 13 14-0014 EA 60" x 78", Floor And Ceiling Anchored, Stainless Steel, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition..... <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	2,534.14 90.66 774.59	160.50
 10 21 13 14-0015 Ceiling Hung, Stainless Steel, Complete Toilet Partitions (10 21 13 14-0002)		
Note: Excludes above ceiling steel.		
10 21 13 14-0016 EA 36" x 60", Ceiling Hung, Stainless Steel, One Compartment Corner Unit, Complete Toilet Partition..... <i>For >10, Deduct</i> <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	2,258.22 -191.91 90.66 671.69	169.55
10 21 13 14-0017 EA 60" x 60", Ceiling Hung, Stainless Steel, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition..... <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	2,749.92 90.66 837.46	178.59
10 21 13 14-0018 EA 60" x 78", Ceiling Hung, Stainless Steel, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition..... <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	2,891.83 90.66 883.96	183.12
 10 21 13 14-0019 Stainless Steel Urinal Screens (10 21 13 14-0001)		

10 Specialties**10 20 Interior Specialties****10 21 Compartments And Cubicles**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 13 14-0020			Floor Anchored, Stainless Steel, Urinal Screens (10 21 13 14-0019)		
10 21 13 14-0021	EA		24" x 58" x 1", Floor Anchored, Stainless Steel, Urinal Screen.....	634.21	63.28
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	25.12	
			<i>For Diamond Pattern Finish, Add</i>	177.68	
10 21 13 14-0022	EA		36" x 58" x 1", Floor Anchored, Stainless Steel, Urinal Screen.....	718.07	67.80
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	25.12	
			<i>For Diamond Pattern Finish, Add</i>	203.86	
10 21 13 14-0023	EA		48" x 58" x 1", Floor Anchored, Stainless Steel, Urinal Screen.....	733.22	72.32
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	25.12	
			<i>For Diamond Pattern Finish, Add</i>	206.01	
10 21 13 14-0024			Wall Hung, Stainless Steel, Urinal Screens (10 21 13 14-0019)		
10 21 13 14-0025	EA		18" x 42" x 1", Wall Hung, Stainless Steel, Urinal Screen.....	468.63	54.24
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	25.12	
			<i>For Diamond Pattern Finish, Add</i>	126.06	
10 21 13 14-0026	EA		24" x 42" x 1", Wall Hung, Stainless Steel, Urinal Screen.....	507.09	58.76
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	25.12	
			<i>For Diamond Pattern Finish, Add</i>	136.35	
10 21 13 14-0027	EA		30" x 42" x 1", Wall Hung, Stainless Steel, Urinal Screen.....	553.63	63.28
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	25.12	
			<i>For Diamond Pattern Finish, Add</i>	149.48	
10 21 13 14-0028			Wall Hung And Post Supported, Stainless Steel, Urinal Screens (10 21 13 14-0019)		
10 21 13 14-0029	EA		18" x 58" x 1", Wall Hung And Post Supported, Stainless Steel, Urinal Screen.....	762.06	58.76
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	25.12	
			<i>For Diamond Pattern Finish, Add</i>	225.59	
10 21 13 14-0030	EA		24" x 58" x 1", Wall Hung And Post Supported, Stainless Steel, Urinal Screen.....	798.65	63.28
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	25.12	
			<i>For Diamond Pattern Finish, Add</i>	235.24	
10 21 13 14-0031	EA		30" x 58" x 1", Wall Hung And Post Supported, Stainless Steel, Urinal Screen.....	835.07	67.80
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	25.12	
			<i>For Diamond Pattern Finish, Add</i>	244.82	
10 21 13 14-0032			Wall Hung And Overhead Braced, Stainless Steel, Urinal Screens (10 21 13 14-0019)		
10 21 13 14-0033	EA		22" x 58" x 1", Wall Hung And Overhead Braced, Stainless Steel, Urinal Screen.....	634.21	63.28
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	25.12	
			<i>For Diamond Pattern Finish, Add</i>	177.68	
10 21 13 14-0034	EA		34" x 58" x 1", Wall Hung And Overhead Braced, Stainless Steel, Urinal Screen.....	718.06	67.80
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	25.12	
			<i>For Diamond Pattern Finish, Add</i>	203.86	
10 21 13 14-0035	EA		46" x 58" x 1", Wall Hung And Overhead Braced, Stainless Steel, Urinal Screen.....	805.42	72.32
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	25.12	
			<i>For Diamond Pattern Finish, Add</i>	231.28	
10 21 13 14-0036			Stainless Steel Toilet Partition Doors, Panels And Pilasters (10 21 13 14-0001)		
			See CSI section 10 21 13 43-0000 for accessories, 10 21 13 43-0001 for other accessories.		
10 21 13 14-0037			Stainless Steel, Toilet Partition Doors (10 21 13 14-0036)		
10 21 13 14-0038	EA		24" x 58" x 1", Stainless Steel, Toilet Partition Door.....	420.20	18.09
			<i>For Heavy Gauge Full-Height SS Hinge, Add</i>	40.42	
			<i>For Diamond Pattern Finish, Add</i>	134.41	
10 21 13 14-0039	EA		26" x 58" x 1", Stainless Steel, Toilet Partition Door.....	480.85	18.09
			<i>For Heavy Gauge Full-Height SS Hinge, Add</i>	40.42	
			<i>For Diamond Pattern Finish, Add</i>	155.64	
10 21 13 14-0040	EA		30" x 58" x 1", Stainless Steel, Toilet Partition Door.....	493.78	20.35
			<i>For Heavy Gauge Full-Height SS Hinge, Add</i>	40.42	
			<i>For Diamond Pattern Finish, Add</i>	158.58	
10 21 13 14-0041	EA		34" x 58" x 1", Stainless Steel, ADA Compliant Toilet Partition Door.....	511.28	20.35
			<i>For Heavy Gauge Full-Height SS Hinge, Add</i>	40.42	
			<i>For Diamond Pattern Finish, Add</i>	164.71	
10 21 13 14-0042	EA		36" x 58" x 1", Stainless Steel, ADA Compliant Toilet Partition Door.....	516.16	20.35
			<i>For Heavy Gauge Full-Height SS Hinge, Add</i>	40.42	
			<i>For Diamond Pattern Finish, Add</i>	166.41	
10 21 13 14-0043			Stainless Steel, Toilet Partition Panels (10 21 13 14-0036)		
10 21 13 14-0044	EA		6" x 58" x 1", Stainless Steel, Toilet Partition Panel.....	362.41	27.13
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	25.12	
			<i>For Diamond Pattern Finish, Add</i>	107.85	
10 21 13 14-0045	EA		12" x 58" x 1", Stainless Steel, Toilet Partition Panel.....	402.52	29.39
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	25.12	
			<i>For Diamond Pattern Finish, Add</i>	120.31	
10 21 13 14-0046	EA		18" x 58" x 1", Stainless Steel, Toilet Partition Panel.....	419.35	31.65
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	25.12	
			<i>For Diamond Pattern Finish, Add</i>	124.62	
10 21 13 14-0047	EA		24" x 58" x 1", Stainless Steel, Toilet Partition Panel.....	438.50	33.91
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	25.12	
			<i>For Diamond Pattern Finish, Add</i>	129.74	



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MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21	13 14-0048	EA	30" x 58" x 1", Stainless Steel, Toilet Partition Panel..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	470.68 25.12 139.42	36.17
10 21	13 14-0049	EA	36" x 58" x 1", Stainless Steel, Toilet Partition Panel..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	508.10 25.12 150.93	38.44
10 21	13 14-0050	EA	42" x 58" x 1", Stainless Steel, Toilet Partition Panel..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	594.71 25.12 179.66	40.69
10 21	13 14-0051	EA	48" x 58" x 1", Stainless Steel, Toilet Partition Panel..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	651.24 25.12 197.87	42.95
10 21	13 14-0052	EA	55" x 58" x 1", Stainless Steel, Toilet Partition Panel..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	668.08 25.12 202.18	45.22
10 21	13 14-0053	EA	58" x 58" x 1", Stainless Steel, Toilet Partition Panel..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	701.36 25.12 213.20	46.12
10 21	13 14-0054	EA	60" x 58" x 1", Stainless Steel, Toilet Partition Panel..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	745.15 25.12 227.57	47.48
10 21	13 14-0055	EA	70" x 58" x 1", Stainless Steel, Toilet Partition Panel..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	780.77 25.12 238.45	49.73
10 21	13 14-0056	EA	78" x 58" x 1", Stainless Steel, Toilet Partition Panel..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	856.85 25.12 263.50	52.00
10 21	13 14-0057		70" Long, Stainless Steel, Toilet Partition Pilasters (10 21 13 14-0036)		
10 21	13 14-0058	EA	Up To 4" x 70" x 1-1/4", Stainless Steel, Toilet Partition Pilaster <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	251.62 25.12 78.57	13.56
10 21	13 14-0059	EA	5" x 70" x 1-1/4", Stainless Steel, Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	273.93 25.12 84.80	15.82
10 21	13 14-0060	EA	6" x 70" x 1-1/4", Stainless Steel, Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	297.62 25.12 91.51	18.09
10 21	13 14-0061	EA	8" x 70" x 1-1/4", Stainless Steel, Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	339.10 25.12 104.44	20.35
10 21	13 14-0062	EA	10" x 70" x 1-1/4", Stainless Steel, Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	380.59 25.12 117.38	22.60
10 21	13 14-0063	EA	12" x 70" x 1-1/4", Stainless Steel, Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	422.05 25.12 130.31	24.87
10 21	13 14-0064	EA	18" x 70" x 1-1/4", Stainless Steel, Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	536.09 25.12 168.64	27.13
10 21	13 14-0065	EA	22" x 70" x 1-1/4", Stainless Steel, Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	614.53 25.12 194.51	29.39
10 21	13 14-0066	EA	24" x 70" x 1-1/4", Stainless Steel, Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	656.01 25.12 207.45	31.65
10 21	13 14-0067		82" Long, Stainless Steel, Toilet Partition Pilasters (10 21 13 14-0036)		
10 21	13 14-0068	EA	Up To 4" x 82" x 1-1/4", Stainless Steel, Toilet Partition Pilaster <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	192.13 25.12 57.75	13.56
10 21	13 14-0069	EA	5" x 82" x 1-1/4", Stainless Steel, Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	207.94 25.12 61.70	15.82
10 21	13 14-0070	EA	6" x 82" x 1-1/4", Stainless Steel, Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	224.33 25.12 65.86	18.09
10 21	13 14-0071	EA	8" x 82" x 1-1/4", Stainless Steel, Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	291.48 25.12 87.78	20.35
10 21	13 14-0072	EA	10" x 82" x 1-1/4", Stainless Steel, Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	329.01 25.12 99.33	22.60
10 21	13 14-0073	EA	12" x 82" x 1-1/4", Stainless Steel, Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	340.36 25.12 101.72	24.87
10 21	13 14-0074	EA	18" x 82" x 1-1/4", Stainless Steel, Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	385.75 25.12 116.02	27.13
10 21	13 14-0075	EA	22" x 82" x 1-1/4", Stainless Steel, Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	435.21 25.12 131.75	29.39

10 Specialties**10 20 Interior Specialties****10 21 Compartments And Cubicles**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 13 14-0076	EA		24" x 82" x 1-1/4", Stainless Steel, Toilet Partition Pilaster <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	462.02 25.12 139.55	31.65
10 21 13 14-0077			96" To 120" Long, Stainless Steel, Toilet Partition Pilasters (10 21 13 14-0036)		
10 21 13 14-0078	EA		Up To 4" x 96" To 120" x 1-1/4", Stainless Steel, Toilet Partition Pilaster <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	275.72 25.12 83.84	18.09
10 21 13 14-0079	EA		5" x 96" To 120" x 1-1/4", Stainless Steel, Toilet Partition Pilaster <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	302.14 25.12 91.51	20.35
10 21 13 14-0080	EA		6" x 96" To 120" x 1-1/4", Stainless Steel, Toilet Partition Pilaster <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	327.20 25.12 98.69	22.60
10 21 13 14-0081	EA		8" x 96" To 120" x 1-1/4", Stainless Steel, Toilet Partition Pilaster <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	375.51 25.12 114.02	24.87
10 21 13 14-0082	EA		10" x 96" To 120" x 1-1/4", Stainless Steel, Toilet Partition Pilaster <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	422.48 25.12 128.88	27.13
10 21 13 14-0083	EA		12" x 96" To 120" x 1-1/4", Stainless Steel, Toilet Partition Pilaster <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	469.43 25.12 143.73	29.39
10 21 13 14-0084	EA		18" x 96" To 120" x 1-1/4", Stainless Steel, Toilet Partition Pilaster <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	603.99 25.12 189.24	31.65
10 21 13 14-0085	EA		22" x 96" To 120" x 1-1/4", Stainless Steel, Toilet Partition Pilaster <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	693.38 25.12 218.95	33.91
10 21 13 14-0086	EA		24" x 96" To 120" x 1-1/4", Stainless Steel, Toilet Partition Pilaster <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	741.71 25.12 234.28	36.17
10 21 13 16			Plastic-Laminate-Clad Toilet Compartments (10 21 13)		
10 21 13 16-0001			Laminated Plastic Toilet Partitions And Urinal Screens (10 21 13 16) Note: Complete toilet partitions for corner installations. Includes 1" door, 1" pilaster, 1" separator panel, trim shoes, and standard stainless steel hardware as required. For alcove, recessed or configurations other than corner installations use either: (1) the appropriate corner unit and add individual components or (2) individual components. Individual components include trim shoes and standard stainless steel hardware as required. Constructed of a sandwich of high pressure decorative plastic laminate bonded to a solid industrial-grade particle board.		
10 21 13 16-0002			Laminated Plastic Toilet Partitions (10 21 13 16-0001) Note: Includes all standard Bobrick colors.		
10 21 13 16-0003			Floor Anchored, Laminated Plastic, Complete Toilet Partitions (10 21 13 16-0002)		
10 21 13 16-0004	EA		36" x 60", Floor Anchored, Laminated Plastic, One Compartment Corner Unit, Complete Toilet Partition <i>For >10, Deduct</i> <i>For Cast Stainless Steel Hardware, Add</i> <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	645.51 -44.20 72.88 90.66	101.73
10 21 13 16-0005	EA		60" x 60", Floor Anchored, Laminated Plastic, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition <i>For Cast Stainless Steel Hardware, Add</i> <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	776.76 72.89 90.66	110.77
10 21 13 16-0006	EA		60" x 78", Floor Anchored, Laminated Plastic, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition <i>For Cast Stainless Steel Hardware, Add</i> <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	832.29 72.90 90.66	115.30
10 21 13 16-0007			Overhead Braced, Laminated Plastic, Complete Toilet Partitions (10 21 13 16-0002) Note: Includes headrail.		
10 21 13 16-0008	EA		36" x 60", Overhead Braced, Laminated Plastic, One Compartment Corner Unit, Complete Toilet Partition <i>For >10, Deduct</i> <i>For Cast Stainless Steel Hardware, Add</i> <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	712.29 -46.36 72.91 90.66	124.34
10 21 13 16-0009	EA		60" x 60", Overhead Braced, Laminated Plastic, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition <i>For Cast Stainless Steel Hardware, Add</i> <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	848.95 72.92 90.66	133.39
10 21 13 16-0010	EA		60" x 78", Overhead Braced, Laminated Plastic, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition <i>For Cast Stainless Steel Hardware, Add</i> <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	908.51 72.92 90.66	137.90
10 21 13 16-0011			Ceiling Hung, Laminated Plastic, Complete Toilet Partitions (10 21 13 16-0002) Note: Excludes above ceiling steel.		
10 21 13 16-0012	EA		36" x 60", Ceiling Hung, Laminated Plastic, One Compartment Corner Unit, Complete Toilet Partition <i>For >10, Deduct</i> <i>For Cast Stainless Steel Hardware, Add</i> <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	955.52 -61.64 72.96 90.66	169.55



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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 13 16-0013 EA 60" x 60", Ceiling Hung, Laminated Plastic, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition <i>For Cast Stainless Steel Hardware, Add</i> <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	1,096.33 72.97 90.66	178.59
10 21 13 16-0014 EA 60" x 78", Ceiling Hung, Laminated Plastic, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition <i>For Cast Stainless Steel Hardware, Add</i> <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	1,151.86 72.98 90.66	183.12
10 21 13 16-0015 Laminated Plastic Urinal Screens (10 21 13 16-0001) Note: Includes all standard Bobrick colors.		
10 21 13 16-0016 Floor Anchored, Laminated Plastic, Urinal Screens (10 21 13 16-0015)		
10 21 13 16-0017 EA 24" x 58" x 1", Floor Anchored, Laminated Plastic, Urinal Screen <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	291.41 25.12	63.28
10 21 13 16-0018 EA 36" x 58" x 1", Floor Anchored, Laminated Plastic, Urinal Screen <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	316.63 25.12	67.80
10 21 13 16-0019 EA 48" x 58" x 1", Floor Anchored, Laminated Plastic, Urinal Screen <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	328.83 25.12	72.32
10 21 13 16-0020 Wall Hung, Laminated Plastic, Urinal Screens (10 21 13 16-0015)		
10 21 13 16-0021 EA 18" x 42" x 1", Wall Hung, Laminated Plastic, Urinal Screen <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	231.18 25.12	54.24
10 21 13 16-0022 EA 24" x 42" x 1", Wall Hung, Laminated Plastic, Urinal Screen <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	244.85 25.12	58.76
10 21 13 16-0023 EA 30" x 42" x 1", Wall Hung, Laminated Plastic, Urinal Screen <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	258.08 25.12	63.28
10 21 13 16-0024 Wall Hung And Post Supported, Laminated Plastic, Urinal Screens (10 21 13 16-0015)		
10 21 13 16-0025 EA 18" x 58" x 1", Wall Hung And Post Supported, Laminated Plastic, Urinal Screen <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	294.28 25.12	58.76
10 21 13 16-0026 EA 24" x 58" x 1", Wall Hung And Post Supported, Laminated Plastic, Urinal Screen <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	321.75 25.12	63.28
10 21 13 16-0027 EA 30" x 58" x 1", Wall Hung And Post Supported, Laminated Plastic, Urinal Screen <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	351.17 25.12	67.80
10 21 13 16-0028 Wall Hung And Overhead Braced, Laminated Plastic, Urinal Screens (10 21 13 16-0015)		
10 21 13 16-0029 EA 24" x 58" x 1", Wall Hung And Overhead Braced, Laminated Plastic, Urinal Screen <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	275.92 25.12	58.76
10 21 13 16-0030 EA 36" x 58" x 1", Wall Hung And Overhead Braced, Laminated Plastic, Urinal Screen <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	301.59 25.12	63.28
10 21 13 16-0031 EA 48" x 58" x 1", Wall Hung And Overhead Braced, Laminated Plastic, Urinal Screen <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	313.54 25.12	67.80
10 21 13 16-0032 Laminated Plastic Toilet Partition Doors, Panels And Pilasters (10 21 13 16-0001) Note: Includes all standard Bobrick colors. See CSI section 10 21 13 43-0000 for accessories.		
10 21 13 16-0033 Laminated Plastic, Toilet Partition Doors (10 21 13 16-0032)		
10 21 13 16-0034 EA 24" x 58" x 1", Laminated Plastic, Toilet Partition Door <i>For Heavy Gauge Full-Height SS Hinge, Add</i>	199.59 40.42	18.09
10 21 13 16-0035 EA 26" x 58" x 1", Laminated Plastic, Toilet Partition Door <i>For Heavy Gauge Full-Height SS Hinge, Add</i>	215.47 40.42	18.09
10 21 13 16-0036 EA 30" x 58" x 1", Laminated Plastic, Toilet Partition Door <i>For Heavy Gauge Full-Height SS Hinge, Add</i>	224.32 40.42	20.35
10 21 13 16-0037 EA 34" x 58" x 1", Laminated Plastic, ADA Compliant Toilet Partition Door <i>For Heavy Gauge Full-Height SS Hinge, Add</i>	229.23 40.42	20.35
10 21 13 16-0038 EA 36" x 58" x 1", Laminated Plastic, ADA Compliant Toilet Partition Door <i>For Heavy Gauge Full-Height SS Hinge, Add</i>	233.85 40.42	20.35
10 21 13 16-0039 Laminated Plastic, Toilet Partition Panels (10 21 13 16-0032)		
10 21 13 16-0040 EA 6" x 58" x 1", Laminated Plastic, Toilet Partition Panel <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	118.62 25.12	27.13
10 21 13 16-0041 EA 12" x 58" x 1", Laminated Plastic, Toilet Partition Panel <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	130.63 25.12	29.39
10 21 13 16-0042 EA 18" x 58" x 1", Laminated Plastic, Toilet Partition Panel <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	142.63 25.12	31.65
10 21 13 16-0043 EA 24" x 58" x 1", Laminated Plastic, Toilet Partition Panel <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	155.02 25.12	33.91
10 21 13 16-0044 EA 30" x 58" x 1", Laminated Plastic, Toilet Partition Panel <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	166.65 25.12	36.17
10 21 13 16-0045 EA 36" x 58" x 1", Laminated Plastic, Toilet Partition Panel <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	179.07 25.12	38.44
10 21 13 16-0046 EA 42" x 58" x 1", Laminated Plastic, Toilet Partition Panel <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	184.48 25.12	40.69
10 21 13 16-0047 EA 48" x 58" x 1", Laminated Plastic, Toilet Partition Panel <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	190.43 25.12	42.95

10 Specialties**10 20 Interior Specialties****10 21 Compartments And Cubicles**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 13 16-0048	EA		55" x 58" x 1", Laminated Plastic, Toilet Partition Panel <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	200.45 25.12	45.22
10 21 13 16-0049	EA		58" x 58" x 1", Laminated Plastic, Toilet Partition Panel <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	207.86 25.12	46.12
10 21 13 16-0050	EA		60" x 58" x 1", Laminated Plastic, Toilet Partition Panel <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	216.50 25.12	47.48
10 21 13 16-0051	EA		70" x 58" x 1", Laminated Plastic, Toilet Partition Panel <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	242.69 25.12	49.73
10 21 13 16-0052	EA		78" x 58" x 1", Laminated Plastic, Toilet Partition Panel <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	272.03 25.12	52.00
10 21 13 16-0053 69" Long, Laminated Plastic, Toilet Partition Pilasters (10 21 13 16-0032)					
10 21 13 16-0054	EA		Up To 4" x 69" x 1", Laminated Plastic, Toilet Partition Pilaster <i>For 1-1/4" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Steel Core Pilaster, Add</i>	88.63 5.07 25.12 61.50	13.56
10 21 13 16-0055	EA		5" x 69" x 1", Laminated Plastic, Toilet Partition Pilaster <i>For 1-1/4" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Steel Core Pilaster, Add</i>	102.39 5.84 25.12 70.74	15.82
10 21 13 16-0056	EA		6" x 69" x 1", Laminated Plastic, Toilet Partition Pilaster <i>For 1-1/4" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Steel Core Pilaster, Add</i>	106.91 5.84 25.12 70.74	18.09
10 21 13 16-0057	EA		8" x 69" x 1", Laminated Plastic, Toilet Partition Pilaster <i>For 1-1/4" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Steel Core Pilaster, Add</i>	118.36 6.41 25.12 77.67	20.35
10 21 13 16-0058	EA		10" x 69" x 1", Laminated Plastic, Toilet Partition Pilaster <i>For 1-1/4" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Steel Core Pilaster, Add</i>	124.91 6.57 25.12 79.69	22.60
10 21 13 16-0059	EA		12" x 69" x 1", Laminated Plastic, Toilet Partition Pilaster <i>For 1-1/4" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Steel Core Pilaster, Add</i>	136.06 7.12 25.12 86.33	24.87
10 21 13 16-0060	EA		18" x 69" x 1", Laminated Plastic, Toilet Partition Pilaster <i>For 1-1/4" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Steel Core Pilaster, Add</i>	168.88 9.46 25.12 114.62	27.13
10 21 13 16-0061	EA		22" x 69" x 1", Laminated Plastic, Toilet Partition Pilaster <i>For 1-1/4" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Steel Core Pilaster, Add</i>	201.12 11.74 25.12 142.34	29.39
10 21 13 16-0062	EA		24" x 69" x 1", Laminated Plastic, Toilet Partition Pilaster <i>For 1-1/4" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Steel Core Pilaster, Add</i>	224.41 13.29 25.12 161.11	31.65
10 21 13 16-0063 83" Long, Laminated Plastic, Toilet Partition Pilasters (10 21 13 16-0032)					
10 21 13 16-0064	EA		Up To 4" x 83" x 1", Laminated Plastic, Toilet Partition Pilaster <i>For 1-1/4" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Steel Core Pilaster, Add</i>	161.39 11.08 25.12 134.26	13.56
10 21 13 16-0065	EA		5" x 83" x 1", Laminated Plastic, Toilet Partition Pilaster <i>For 1-1/4" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Steel Core Pilaster, Add</i>	179.19 12.17 25.12 147.54	15.82
10 21 13 16-0066	EA		6" x 83" x 1", Laminated Plastic, Toilet Partition Pilaster <i>For 1-1/4" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Steel Core Pilaster, Add</i>	183.71 12.17 25.12 147.54	18.09
10 21 13 16-0067	EA		8" x 83" x 1", Laminated Plastic, Toilet Partition Pilaster <i>For 1-1/4" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Steel Core Pilaster, Add</i>	199.49 13.10 25.12 158.80	20.35
10 21 13 16-0068	EA		10" x 83" x 1", Laminated Plastic, Toilet Partition Pilaster <i>For 1-1/4" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Steel Core Pilaster, Add</i>	218.17 14.27 25.12 172.95	22.60
10 21 13 16-0069	EA		12" x 83" x 1", Laminated Plastic, Toilet Partition Pilaster <i>For 1-1/4" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Steel Core Pilaster, Add</i>	233.65 15.17 25.12 183.92	24.87
10 21 13 16-0070	EA		18" x 83" x 1", Laminated Plastic, Toilet Partition Pilaster <i>For 1-1/4" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Steel Core Pilaster, Add</i>	287.12 19.21 25.12 232.86	27.13
10 21 13 16-0071	EA		22" x 83" x 1", Laminated Plastic, Toilet Partition Pilaster <i>For 1-1/4" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Steel Core Pilaster, Add</i>	325.56 22.01 25.12 266.78	29.39



Specialties	10
Interior Specialties	10 20
Compartments And Cubicles	10 21

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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 13 16-0072 EA 24" x 83" x 1", Laminated Plastic, Toilet Partition Pilaster <i>For 1-1/4" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Steel Core Pilaster, Add</i>	335.57 22.46 25.12 272.27	31.65
10 21 13 19 Plastic Toilet Compartments (10 21 13)		
10 21 13 19-0001 Recycled Solid Polymer (HDPE) Toilet Partitions And Urinal Screens (10 21 13 19) Note: Complete toilet partitions for corner installations. Includes 1" door, 1" pilaster, 1" separator panel, trim shoes, and standard stainless steel hardware as required. For alcove, recessed or configurations other than corner installations use either: (1) the appropriate corner unit and add individual components or (2) individual components. Individual components include trim shoes and standard stainless steel hardware as required. Constructed of high density polyethylene (HDPE). Includes Class B fire rating.		
10 21 13 19-0002 Recycled Solid Plastic (HDPE) Toilet Partitions (10 21 13 19-0001) Note: Includes all standard Columbia Partitions colors.		
10 21 13 19-0003 Overhead Braced, Recycled Solid Plastic (HDPE), Complete Toilet Partitions (10 21 13 19-0002) Note: Includes headrail.		
10 21 13 19-0004 EA 36" x 60", Overhead Braced, Recycled Solid Plastic (HDPE), One Compartment Corner Unit, Complete Toilet Partition <i>For >10, Deduct</i> <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i> <i>For NFPA Class A, Add</i>	1,138.10 -88.94 90.66 551.45	124.34
10 21 13 19-0005 EA 60" x 60", Overhead Braced, Recycled Solid Plastic (HDPE), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i> <i>For NFPA Class A, Add</i>	1,390.43 90.66 696.68	133.39
10 21 13 19-0006 EA 60" x 78", Overhead Braced, Recycled Solid Plastic (HDPE), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i> <i>For NFPA Class A, Add</i>	1,535.43 90.66 780.97	137.90
10 21 13 19-0007 Floor And Ceiling Anchored, Recycled Solid Plastic (HDPE), Complete Toilet Partitions (10 21 13 19-0002) Note: Excludes above ceiling steel.		
10 21 13 19-0008 EA 36" x 60", Floor And Ceiling Anchored, Recycled Solid Plastic (HDPE), One Compartment Corner Unit, Complete Toilet Partition..... <i>For >10, Deduct</i> <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i> <i>For NFPA Class A, Add</i>	1,149.62 -85.57 90.66 530.55	146.94
10 21 13 19-0009 EA 60" x 60", Floor And Ceiling Anchored, Recycled Solid Plastic (HDPE), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i> <i>For NFPA Class A, Add</i>	1,423.72 90.66 689.28	155.99
10 21 13 19-0010 EA 60" x 78", Floor And Ceiling Anchored, Recycled Solid Plastic (HDPE), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i> <i>For NFPA Class A, Add</i>	1,568.72 90.66 773.57	160.50
10 21 13 19-0011 Ceiling Hung, Recycled Solid Plastic (HDPE), Complete Toilet Partitions (10 21 13 19-0002) Note: Excludes above ceiling steel.		
10 21 13 19-0012 EA 36" x 60", Ceiling Hung, Recycled Solid Plastic (HDPE), One Compartment Corner Unit, Complete Toilet Partition..... <i>For >10, Deduct</i> <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i> <i>For NFPA Class A, Add</i>	1,214.25 -87.51 90.66 542.59	169.55
10 21 13 19-0013 EA 60" x 60", Ceiling Hung, Recycled Solid Plastic (HDPE), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i> <i>For NFPA Class A, Add</i>	1,428.45 90.66 664.18	178.59
10 21 13 19-0014 EA 60" x 78", Ceiling Hung, Recycled Solid Plastic (HDPE), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i> <i>For NFPA Class A, Add</i>	1,573.46 90.66 748.48	183.12
10 21 13 19-0015 Recycled Solid Plastic (HDPE) Urinal Screens (10 21 13 19-0001) Note: Includes all standard Columbia Partitions colors.		
10 21 13 19-0016 Wall Hung, Recycled Solid Plastic (HDPE), Urinal Screens (10 21 13 19-0015)		
10 21 13 19-0017 EA 18" x 42" x 1", Wall Hung, Recycled Solid Plastic (HDPE), Urinal Screen..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	278.86 25.12 105.64	54.24
10 21 13 19-0018 EA 24" x 42" x 1", Wall Hung, Recycled Solid Plastic (HDPE), Urinal Screen..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	294.62 25.12 109.80	58.76
10 21 13 19-0019 Wall Hung And Post Supported, Recycled Solid Plastic (HDPE), Urinal Screens (10 21 13 19-0015)		

10 Specialties**10 20 Interior Specialties****10 21 Compartments And Cubicles**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 13 19-0020	EA		18" x 42" x 1", Wall Hung And Post Supported, Recycled Solid Plastic (HDPE), Urinal Screen..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	349.11 25.12 143.59	58.76
10 21 13 19-0021	EA		24" x 42" x 1", Wall Hung And Post Supported, Recycled Solid Plastic (HDPE), Urinal Screen..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	435.34 25.12 191.45	63.28
10 21 13 19-0022	EA		30" x 42" x 1", Wall Hung And Post Supported, Recycled Solid Plastic (HDPE), Urinal Screen..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	482.40 25.12 215.02	67.80
10 21 13 19-0023			Wall Hung And Overhead Braced, Recycled Solid Plastic (HDPE), Urinal Screens <small>(10 21 13 19-0015)</small>		
10 21 13 19-0024	EA		24" x 55" x 1", Wall Hung And Overhead Braced, Recycled Solid Plastic (HDPE), Urinal Screen..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	358.15 25.12 143.59	63.28
10 21 13 19-0025	EA		36" x 55" x 1", Wall Hung And Overhead Braced, Recycled Solid Plastic (HDPE), Urinal Screen..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	444.38 25.12 191.45	67.80
10 21 13 19-0026	EA		48" x 55" x 1", Wall Hung And Overhead Braced, Recycled Solid Plastic (HDPE), Urinal Screen..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	522.96 25.12 234.56	72.32
10 21 13 19-0027			Recycled Solid Plastic (HDPE) Toilet Partition Doors, Panels And Pilasters <small>(10 21 13 19-0001)</small> Note: Includes all standard Columbia Partitions colors. See CSI section 10 21 13 43-0000 for accessories, 10 21 13 43-0001 for other accessories.		
10 21 13 19-0028			Recycled Solid Plastic (HDPE), Toilet Partition Doors <small>(10 21 13 19-0027)</small>		
10 21 13 19-0029	EA		24" x 55" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Door <i>For Heavy Gauge Full-Height SS Hinge, Add</i> <i>For NFPA Class A, Add</i>	265.10 40.42 141.94	18.09
10 21 13 19-0030	EA		26" x 55" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Door <i>For Heavy Gauge Full-Height SS Hinge, Add</i> <i>For NFPA Class A, Add</i>	285.94 40.42 154.86	18.09
10 21 13 19-0031	EA		30" x 55" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Door <i>For Heavy Gauge Full-Height SS Hinge, Add</i> <i>For NFPA Class A, Add</i>	311.14 40.42 167.68	20.35
10 21 13 19-0032	EA		34" x 55" x 1", Recycled Solid Plastic (HDPE), ADA Compliant Toilet Partition Door <i>For Heavy Gauge Full-Height SS Hinge, Add</i> <i>For NFPA Class A, Add</i>	353.30 40.42 193.82	20.35
10 21 13 19-0033	EA		36" x 55" x 1", Recycled Solid Plastic (HDPE), ADA Compliant Toilet Partition Door <i>For Heavy Gauge Full-Height SS Hinge, Add</i> <i>For NFPA Class A, Add</i>	363.28 40.42 200.01	20.35
10 21 13 19-0034			Recycled Solid Plastic (HDPE), Toilet Partition Panels <small>(10 21 13 19-0027)</small>		
10 21 13 19-0035	EA		6" x 55" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Panel <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	105.00 25.12 31.46	27.13
10 21 13 19-0036	EA		12" x 55" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Panel <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	160.27 25.12 62.92	29.39
10 21 13 19-0037	EA		18" x 55" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Panel <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	215.52 25.12 94.38	31.65
10 21 13 19-0038	EA		24" x 55" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Panel <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	249.97 25.12 112.93	33.91
10 21 13 19-0039	EA		30" x 55" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Panel <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	300.04 25.12 141.17	36.17
10 21 13 19-0040	EA		36" x 55" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Panel <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	320.48 25.12 151.04	38.44
10 21 13 19-0041	EA		42" x 55" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Panel <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	358.47 25.12 171.79	40.69
10 21 13 19-0042	EA		48" x 55" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Panel <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	402.57 25.12 196.33	42.95
10 21 13 19-0043	EA		55" x 55" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Panel <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	438.78 25.12 215.98	45.22
10 21 13 19-0044	EA		58" x 55" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Panel <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	448.26 25.12 220.74	46.12
10 21 13 19-0045	EA		60" x 55" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Panel <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	463.25 25.12 228.35	47.48
10 21 13 19-0046	EA		70" x 55" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Panel <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	521.51 25.12 261.66	49.73



Specialties	10
Interior Specialties	10 20
Compartments And Cubicles	10 21

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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 13 19-0047 EA 78" x 55" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Panel..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	561.19 25.12 283.46	52.00
10 21 13 19-0048 82" Long, Recycled Solid Plastic (HDPE), Toilet Partition Pilasters <small>(10 21 13 19-0027)</small>		
10 21 13 19-0049 EA Up To 4" x 82" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	124.88 25.12 60.61	13.56
10 21 13 19-0050 EA 5" x 82" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	139.20 25.12 66.68	15.82
10 21 13 19-0051 EA 6" x 82" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	151.80 25.12 71.69	18.09
10 21 13 19-0052 EA 8" x 82" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	163.55 25.12 76.17	20.35
10 21 13 19-0053 EA 10" x 82" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	183.51 25.12 85.74	22.60
10 21 13 19-0054 EA 12" x 82" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	203.44 25.12 95.30	24.87
10 21 13 19-0055 EA 18" x 82" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	275.68 25.12 137.28	27.13
10 21 13 19-0056 EA 22" x 82" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	310.99 25.12 156.37	29.39
10 21 13 19-0057 EA 24" x 82" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	338.43 25.12 170.58	31.65
10 21 13 19-0058 96" To 120", Recycled Solid Plastic (HDPE), Toilet Partition Pilasters <small>(10 21 13 19-0027)</small>		
10 21 13 19-0059 EA Up To 4" x 96" To 120" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	153.24 25.12 72.58	18.09
10 21 13 19-0060 EA 5" x 96" To 120" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	168.91 25.12 79.50	20.35
10 21 13 19-0061 EA 6" x 96" To 120" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	186.15 25.12 87.38	22.60
10 21 13 19-0062 EA 8" x 96" To 120" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	210.53 25.12 99.70	24.87
10 21 13 19-0063 EA 10" x 96" To 120" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	235.14 25.12 112.15	27.13
10 21 13 19-0064 EA 12" x 96" To 120" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	259.53 25.12 124.47	29.39
10 21 13 19-0065 EA 18" x 96" To 120" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	329.53 25.12 165.06	31.65
10 21 13 19-0066 EA 22" x 96" To 120" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	367.94 25.12 186.07	33.91
10 21 13 19-0067 EA 24 x 96" To 120" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	399.75 25.12 202.99	36.17
10 21 13 19-0068 Antimicrobial Recycled Solid Polymer (HDPE) Toilet Partitions And Urinal Screens <small>(10 21 13 19)</small>		
Note: Complete toilet partitions for corner installations. Includes 1" door, 1" pilaster, 1" separator panel, trim shoes, and hardware as required. For alcove, recessed or configurations other than corner installations use either: (1) the appropriate corner unit and add individual components or (2) individual components. Individual components include trim shoes and hardware as required. Constructed of high density polyethylene (HDPE). Includes Class B fire rating.		
10 21 13 19-0069 Antimicrobial Recycled Solid Plastic (HDPE) Toilet Partitions <small>(10 21 13 19-0068)</small>		
Note: Includes all standard Columbia Partitions colors.		
10 21 13 19-0070 Overhead Braced, Antimicrobial Recycled Solid Plastic (HDPE), Complete Toilet Partitions <small>(10 21 13 19-0069)</small>		
Note: Includes headrail.		
10 21 13 19-0071 EA 36" x 60", Overhead Braced, Antimicrobial Solid Plastic (HDPE), One Compartment Corner Unit, Complete Toilet Partition..... <i>For >10, Deduct</i> <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i> <i>For NFPA Class A, Add</i>	1,449.40 -120.07 90.66 744.45	124.34

10 Specialties**10 20 Interior Specialties****10 21 Compartments And Cubicles**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 13 19-0072	EA		60" x 60", Overhead Braced, Antimicrobial Solid Plastic (HDPE), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition.....	1,783.73	133.39
			<i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	90.66	
			<i>For NFPA Class A, Add</i>	940.52	
10 21 13 19-0073	EA		60" x 78", Overhead Braced, Antimicrobial Solid Plastic (HDPE), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition.....	1,976.31	137.90
			<i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	90.66	
			<i>For NFPA Class A, Add</i>	1,054.32	
10 21 13 19-0074			Floor And Ceiling Anchored, Antimicrobial Recycled Solid Plastic (HDPE), Complete Toilet Partitions (10 21 13 19-0069)		
			Note: Excludes above ceiling steel.		
10 21 13 19-0075	EA		36" x 60", Floor And Ceiling Anchored, Antimicrobial Solid Plastic (HDPE), One Compartment Corner Unit, Complete Toilet Partition	1,449.13	146.94
			<i>For >10, Deduct</i>	-115.52	
			<i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	90.66	
			<i>For NFPA Class A, Add</i>	716.25	
10 21 13 19-0076	EA		60" x 60", Floor And Ceiling Anchored, Antimicrobial Solid Plastic (HDPE), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	1,812.82	155.99
			<i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	90.66	
			<i>For NFPA Class A, Add</i>	930.52	
10 21 13 19-0077	EA		60" x 78", Floor And Ceiling Anchored, Antimicrobial Solid Plastic (HDPE), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	2,005.41	160.50
			<i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	90.66	
			<i>For NFPA Class A, Add</i>	1,044.32	
10 21 13 19-0078			Ceiling Hung, Antimicrobial Recycled Solid Plastic (HDPE), Complete Toilet Partitions (10 21 13 19-0069)		
			Note: Excludes above ceiling steel.		
10 21 13 19-0079	EA		36" x 60", Ceiling Hung, Antimicrobial Solid Plastic (HDPE), One Compartment Corner Unit, Complete Toilet Partition	1,520.55	169.55
			<i>For >10, Deduct</i>	-118.14	
			<i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	90.66	
			<i>For NFPA Class A, Add</i>	732.49	
10 21 13 19-0080	EA		60" x 60", Ceiling Hung, Antimicrobial Solid Plastic (HDPE), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition.....	1,803.38	178.59
			<i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	90.66	
			<i>For NFPA Class A, Add</i>	896.64	
10 21 13 19-0081	EA		60" x 78", Ceiling Hung, Antimicrobial Solid Plastic (HDPE), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition.....	1,995.98	183.12
			<i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	90.66	
			<i>For NFPA Class A, Add</i>	1,010.44	
10 21 13 19-0082			Antimicrobial Recycled Solid Plastic (HDPE) Urinal Screens (10 21 13 19-0068)		
			Note: Includes all standard Columbia Partitions colors.		
10 21 13 19-0083			Wall Hung, Antimicrobial Recycled Solid Plastic (HDPE), Urinal Screens (10 21 13 19-0082)		
10 21 13 19-0084	EA		18" x 42" x 1", Wall Hung, Antimicrobial Recycled Solid Plastic (HDPE), Urinal Screen.....	338.49	54.24
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	25.12	
			<i>For NFPA Class A, Add</i>	142.61	
10 21 13 19-0085	EA		24" x 42" x 1", Wall Hung, Antimicrobial Recycled Solid Plastic (HDPE), Urinal Screen.....	354.42	58.76
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	25.12	
			<i>For NFPA Class A, Add</i>	146.88	
10 21 13 19-0086			Wall Hung And Post Supported, Antimicrobial Recycled Solid Plastic (HDPE), Urinal Screens (10 21 13 19-0082)		
10 21 13 19-0087	EA		18" x 42" x 1", Wall Hung And Post Supported, Antimicrobial Recycled Solid Plastic (HDPE), Urinal Screen.....	534.38	58.76
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	25.12	
			<i>For NFPA Class A, Add</i>	258.46	
10 21 13 19-0088	EA		24" x 42" x 1", Wall Hung And Post Supported, Antimicrobial Recycled Solid Plastic (HDPE), Urinal Screen.....	606.12	63.28
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	25.12	
			<i>For NFPA Class A, Add</i>	297.33	
10 21 13 19-0089	EA		30" x 42" x 1", Wall Hung And Post Supported, Antimicrobial Recycled Solid Plastic (HDPE), Urinal Screen.....	646.34	67.80
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	25.12	
			<i>For NFPA Class A, Add</i>	316.67	
10 21 13 19-0090			Wall Hung And Overhead Braced, Antimicrobial Recycled Solid Plastic (HDPE), Urinal Screens (10 21 13 19-0082)		
10 21 13 19-0091	EA		24" x 55" x 1", Wall Hung And Overhead Braced, Antimicrobial Recycled Solid Plastic (HDPE), Urinal Screen	439.20	63.28
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	25.12	
			<i>For NFPA Class A, Add</i>	193.84	
10 21 13 19-0092	EA		36" x 55" x 1", Wall Hung And Overhead Braced, Antimicrobial Recycled Solid Plastic (HDPE), Urinal Screen	552.46	67.80
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	25.12	
			<i>For NFPA Class A, Add</i>	258.46	
10 21 13 19-0093	EA		48" x 55" x 1", Wall Hung And Overhead Braced, Antimicrobial Recycled Solid Plastic (HDPE), Urinal Screen	655.38	72.32
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	25.12	
			<i>For NFPA Class A, Add</i>	316.67	



Specialties	10	10
Interior Specialties	10 20	
Compartments And Cubicles	10 21	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 13 19-0094 Antimicrobial Recycled Solid Plastic (HDPE) Toilet Partition Doors, Panels And Pilasters <small>(10 21 13 19-0068)</small> Note: Includes all standard Columbia Partitions colors.		
10 21 13 19-0095 Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Doors <small>(10 21 13 19-0094)</small>		
10 21 13 19-0096 EA 24" x 55" x 1", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Door.....	345.23	18.09
For Heavy Gauge Full-Height SS Hinge, Add	40.42	
For NFPA Class A, Add	191.62	
10 21 13 19-0097 EA 26" x 55" x 1", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Door.....	373.36	18.09
For Heavy Gauge Full-Height SS Hinge, Add	40.42	
For NFPA Class A, Add	209.06	
10 21 13 19-0098 EA 30" x 55" x 1", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Door.....	405.79	20.35
For Heavy Gauge Full-Height SS Hinge, Add	40.42	
For NFPA Class A, Add	226.36	
10 21 13 19-0099 EA 34" x 55" x 1", Antimicrobial Recycled Solid Plastic (HDPE), ADA Compliant Toilet Partition Door.....	462.72	20.35
For Heavy Gauge Full-Height SS Hinge, Add	40.42	
For NFPA Class A, Add	261.66	
10 21 13 19-0100 EA 36" x 55" x 1", Antimicrobial Recycled Solid Plastic (HDPE), ADA Compliant Toilet Partition Door.....	476.18	20.35
For Heavy Gauge Full-Height SS Hinge, Add	40.42	
For NFPA Class A, Add	270.00	
10 21 13 19-0101 Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Panels <small>(10 21 13 19-0094)</small>		
10 21 13 19-0102 EA 6" x 55" x 1", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Panel.....	122.76	27.13
For Heavy Gauge Full-Height SS Brackets, Add	25.12	
For NFPA Class A, Add	42.47	
10 21 13 19-0103 EA 12" x 55" x 1", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Panel.....	195.78	29.39
For Heavy Gauge Full-Height SS Brackets, Add	25.12	
For NFPA Class A, Add	84.94	
10 21 13 19-0104 EA 18" x 55" x 1", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Panel.....	268.80	31.65
For Heavy Gauge Full-Height SS Brackets, Add	25.12	
For NFPA Class A, Add	127.41	
10 21 13 19-0105 EA 24" x 55" x 1", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Panel.....	313.71	33.91
For Heavy Gauge Full-Height SS Brackets, Add	25.12	
For NFPA Class A, Add	152.45	
10 21 13 19-0106 EA 30" x 55" x 1", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Panel.....	379.72	36.17
For Heavy Gauge Full-Height SS Brackets, Add	25.12	
For NFPA Class A, Add	190.57	
10 21 13 19-0107 EA 36" x 55" x 1", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Panel.....	405.74	38.44
For Heavy Gauge Full-Height SS Brackets, Add	25.12	
For NFPA Class A, Add	203.91	
10 21 13 19-0108 EA 42" x 55" x 1", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Panel.....	455.45	40.69
For Heavy Gauge Full-Height SS Brackets, Add	25.12	
For NFPA Class A, Add	231.92	
10 21 13 19-0109 EA 48" x 55" x 1", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Panel.....	513.40	42.95
For Heavy Gauge Full-Height SS Brackets, Add	25.12	
For NFPA Class A, Add	265.04	
10 21 13 19-0110 EA 55" x 55" x 1", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Panel.....	560.70	45.22
For Heavy Gauge Full-Height SS Brackets, Add	25.12	
For NFPA Class A, Add	291.57	
10 21 13 19-0111 EA 58" x 55" x 1", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Panel.....	572.86	46.12
For Heavy Gauge Full-Height SS Brackets, Add	25.12	
For NFPA Class A, Add	297.99	
10 21 13 19-0112 EA 60" x 55" x 1", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Panel.....	592.15	47.48
For Heavy Gauge Full-Height SS Brackets, Add	25.12	
For NFPA Class A, Add	308.26	
10 21 13 19-0113 EA 70" x 55" x 1", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Panel.....	669.22	49.73
For Heavy Gauge Full-Height SS Brackets, Add	25.12	
For NFPA Class A, Add	353.24	
10 21 13 19-0114 EA 78" x 55" x 1", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Panel.....	721.21	52.00
For Heavy Gauge Full-Height SS Brackets, Add	25.12	
For NFPA Class A, Add	382.68	
10 21 13 19-0115 82" Long, Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Pilasters <small>(10 21 13 19-0094)</small>		
10 21 13 19-0116 EA Up To 4" x 82" x 1", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster.....	159.09	13.56
For Heavy Gauge Full-Height SS Brackets, Add	25.12	
For NFPA Class A, Add	81.82	
10 21 13 19-0117 EA 5" x 82" x 1", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster.....	176.84	15.82
For Heavy Gauge Full-Height SS Brackets, Add	25.12	
For NFPA Class A, Add	90.02	
10 21 13 19-0118 EA 6" x 82" x 1", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster.....	192.27	18.09
For Heavy Gauge Full-Height SS Brackets, Add	25.12	
For NFPA Class A, Add	96.78	
10 21 13 19-0119 EA 8" x 82" x 1", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster.....	221.63	20.35
For Heavy Gauge Full-Height SS Brackets, Add	25.12	
For NFPA Class A, Add	112.18	
10 21 13 19-0120 EA 10" x 82" x 1", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster.....	248.90	22.60
For Heavy Gauge Full-Height SS Brackets, Add	25.12	
For NFPA Class A, Add	126.28	

10 Specialties**10 20 Interior Specialties****10 21 Compartments And Cubicles**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 13 19-0121	EA		12" x 82" x 1", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	276.11 25.12 140.36	24.87
10 21 13 19-0122	EA		18" x 82" x 1", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	353.17 25.12 185.32	27.13
10 21 13 19-0123	EA		22" x 82" x 1", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	399.26 25.12 211.10	29.39
10 21 13 19-0124	EA		24" x 82" x 1", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	434.73 25.12 230.29	31.65
10 21 13 19-0125			96" To 120", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Pilasters <small>(10 21 13 19-0094)</small>		
10 21 13 19-0126	EA		Up To 4" x 96" To 120" x 1", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	194.22 25.12 97.99	18.09
10 21 13 19-0127	EA		5" x 96" To 120" x 1", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	213.79 25.12 107.32	20.35
10 21 13 19-0128	EA		6" x 96" To 120" x 1", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	235.49 25.12 117.97	22.60
10 21 13 19-0129	EA		8" x 96" To 120" x 1", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	266.81 25.12 134.59	24.87
10 21 13 19-0130	EA		10" x 96" To 120" x 1", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	298.46 25.12 151.40	27.13
10 21 13 19-0131	EA		12" x 96" To 120" x 1", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	329.79 25.12 168.03	29.39
10 21 13 19-0132	EA		18" x 96" To 120" x 1", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	422.72 25.12 222.84	31.65
10 21 13 19-0133	EA		22" x 96" To 120" x 1", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	472.98 25.12 251.20	33.91
10 21 13 19-0134	EA		24" x 96" To 120" x 1", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	514.34 25.12 274.03	36.17
10 21 13 19-0135			Solid Phenolic Toilet Partitions And Urinal Screens <small>(10 21 13 19)</small> Note: Complete toilet partitions for corner installations. Includes 3/4" door, 3/4" pilaster, 1/2" separator panel, trim shoes, and standard stainless steel hardware as required. For alcove, recessed or configurations other than corner installations use either: (1) the appropriate corner unit and add individual components or (2) individual components. Individual components include trim shoes and standard stainless steel hardware as required. Constructed of solid phenolic (resin impregnated kraft paper) core with a high pressure decorative matte surface finish as an integral part of the core material. Includes Class B fire rating.		
10 21 13 19-0136			Solid Phenolic Toilet Partitions <small>(10 21 13 19-0135)</small> Note: Includes all standard Bobrick colors.		
10 21 13 19-0137			Floor Anchored, Solid Phenolic, Complete Toilet Partitions <small>(10 21 13 19-0136)</small>		
10 21 13 19-0138	EA		36" x 60", Floor Anchored, Solid Phenolic, One Compartment Corner Unit, Complete Toilet Partition..... <i>For >10, Deduct</i> <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i> <i>For NFPA Class A, Add</i>	930.76 -72.73 90.66 162.91	101.73
10 21 13 19-0139	EA		60" x 60", Floor Anchored, Solid Phenolic, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition..... <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i> <i>For NFPA Class A, Add</i>	1,130.16 90.66 201.89	110.77
10 21 13 19-0140	EA		60" x 78", Floor Anchored, Solid Phenolic, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition..... <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i> <i>For NFPA Class A, Add</i>	1,254.12 90.66 226.47	115.30
10 21 13 19-0141			Overhead Braced, Solid Phenolic, Complete Toilet Partitions <small>(10 21 13 19-0136)</small> Note: Includes headrail.		
10 21 13 19-0142	EA		36" x 60", Overhead Braced, Solid Phenolic, One Compartment Corner Unit, Complete Toilet Partition..... <i>For >10, Deduct</i> <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i> <i>For NFPA Class A, Add</i>	1,043.96 -79.53 90.66 179.44	124.34
10 21 13 19-0143	EA		60" x 60", Overhead Braced, Solid Phenolic, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition..... <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i> <i>For NFPA Class A, Add</i>	1,250.95 90.66 220.02	133.39
10 21 13 19-0144	EA		60" x 78", Overhead Braced, Solid Phenolic, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition..... <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i> <i>For NFPA Class A, Add</i>	1,380.69 90.66 245.82	137.90



Specialties	10
Interior Specialties	10 20
Compartments And Cubicles	10 21

10

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 13 19-0145 Floor And Ceiling Anchored, Solid Phenolic, Complete Toilet Partitions <small>(10 21 13 19-0136)</small>		
<i>Note: Excludes above ceiling steel.</i>		
10 21 13 19-0146 EA 36" x 60", Floor And Ceiling Anchored, Solid Phenolic, One Compartment Corner Unit, Complete Toilet Partition	1,095.39	146.94
<i>For >10, Deduct</i>	-80.15	
<i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	90.66	
<i>For NFPA Class A, Add</i>	183.01	
10 21 13 19-0147 EA 60" x 60", Floor And Ceiling Anchored, Solid Phenolic, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition.....	1,300.98	155.99
<i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	90.66	
<i>For NFPA Class A, Add</i>	223.29	
10 21 13 19-0148 EA 60" x 78", Floor And Ceiling Anchored, Solid Phenolic, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition.....	1,424.93	160.50
<i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	90.66	
<i>For NFPA Class A, Add</i>	247.87	
10 21 13 19-0149 Ceiling Hung, Solid Phenolic, Complete Toilet Partitions <small>(10 21 13 19-0136)</small>		
<i>Note: Excludes above ceiling steel.</i>		
10 21 13 19-0150 EA 36" x 60", Ceiling Hung, Solid Phenolic, One Compartment Corner Unit, Complete Toilet Partition.....	1,103.52	169.55
<i>For >10, Deduct</i>	-76.44	
<i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	90.66	
<i>For NFPA Class A, Add</i>	177.48	
10 21 13 19-0151 EA 60" x 60", Ceiling Hung, Solid Phenolic, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	1,302.78	178.59
<i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	90.66	
<i>For NFPA Class A, Add</i>	216.43	
10 21 13 19-0152 EA 60" x 78", Ceiling Hung, Solid Phenolic, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	1,426.74	183.12
<i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	90.66	
<i>For NFPA Class A, Add</i>	241.02	
10 21 13 19-0153 Solid Phenolic Urinal Screens <small>(10 21 13 19-0135)</small>		
<i>Note: Includes all standard Bobrick colors.</i>		
10 21 13 19-0154 Floor Anchored, Solid Phenolic, Urinal Screens <small>(10 21 13 19-0153)</small>		
10 21 13 19-0155 EA 24" x 58" x 1/2", Floor Anchored, Solid Phenolic, Urinal Screen.....	363.59	63.28
<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	25.12	
<i>For NFPA Class A, Add</i>	56.11	
10 21 13 19-0156 EA 36" x 58" x 1/2", Floor Anchored, Solid Phenolic, Urinal Screen.....	407.57	67.80
<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	25.12	
<i>For NFPA Class A, Add</i>	63.90	
10 21 13 19-0157 EA 48" x 58" x 1/2", Floor Anchored, Solid Phenolic, Urinal Screen.....	480.42	72.32
<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	25.12	
<i>For NFPA Class A, Add</i>	77.75	
10 21 13 19-0158 Wall Hung, Solid Phenolic, Urinal Screens <small>(10 21 13 19-0153)</small>		
10 21 13 19-0159 EA 18" x 42" x 1/2", Wall Hung, Solid Phenolic, Urinal Screen.....	245.33	54.24
<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	25.12	
<i>For NFPA Class A, Add</i>	34.16	
10 21 13 19-0160 EA 24" x 42" x 1/2", Wall Hung, Solid Phenolic, Urinal Screen.....	280.35	58.76
<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	25.12	
<i>For NFPA Class A, Add</i>	40.07	
10 21 13 19-0161 EA 30" x 42" x 1/2", Wall Hung, Solid Phenolic, Urinal Screen.....	330.14	63.28
<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	25.12	
<i>For NFPA Class A, Add</i>	49.08	
10 21 13 19-0162 Wall Hung And Post Supported, Solid Phenolic, Urinal Screens <small>(10 21 13 19-0153)</small>		
10 21 13 19-0163 EA 18" x 58" x 1/2", Wall Hung And Post Supported, Solid Phenolic, Urinal Screen.....	252.59	58.76
<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	25.12	
<i>For NFPA Class A, Add</i>	34.24	
10 21 13 19-0164 EA 24" x 58" x 1/2", Wall Hung And Post Supported, Solid Phenolic, Urinal Screen.....	306.65	63.28
<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	25.12	
<i>For NFPA Class A, Add</i>	44.15	
10 21 13 19-0165 EA 30" x 58" x 1/2", Wall Hung And Post Supported, Solid Phenolic, Urinal Screen.....	352.71	67.80
<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	25.12	
<i>For NFPA Class A, Add</i>	52.37	
10 21 13 19-0166 Wall Hung And Overhead Braced, Solid Phenolic, Urinal Screens <small>(10 21 13 19-0153)</small>		
10 21 13 19-0167 EA 22" x 58" x 1/2", Wall Hung And Overhead Braced, Solid Phenolic, Urinal Screen	368.22	58.76
<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	25.12	
<i>For NFPA Class A, Add</i>	58.52	
10 21 13 19-0168 EA 36" x 58" x 1/2", Wall Hung And Overhead Braced, Solid Phenolic, Urinal Screen	412.43	63.28
<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	25.12	
<i>For NFPA Class A, Add</i>	66.36	
10 21 13 19-0169 EA 48" x 58" x 1/2", Wall Hung And Overhead Braced, Solid Phenolic, Urinal Screen	486.59	67.80
<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	25.12	
<i>For NFPA Class A, Add</i>	80.49	

10 Specialties**10 20 Interior Specialties****10 21 Compartments And Cubicles**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 13 19-0170			Solid Phenolic Toilet Partition Doors, Panels And Pilasters <small>(10 21 13 19-0135)</small> Note: Includes all standard Bobrick colors. See CSI section 10 21 13 43-0000 for accessories, 10 21 13 43-0001 for other accessories.		
10 21 13 19-0171			Solid Phenolic, Toilet Partition Doors <small>(10 21 13 19-0170)</small>		
10 21 13 19-0172	EA		24" x 58" x 3/4", Solid Phenolic, Toilet Partition Door .....243.47	243.47	18.09
			<i>For Heavy Gauge Full-Height SS Hinge, Add</i> 40.42	40.42	
			<i>For NFPA Class A, Add</i> 45.34	45.34	
10 21 13 19-0173	EA		26" x 58" x 3/4", Solid Phenolic, Toilet Partition Door .....251.27	251.27	18.09
			<i>For Heavy Gauge Full-Height SS Hinge, Add</i> 40.42	40.42	
			<i>For NFPA Class A, Add</i> 46.98	46.98	
10 21 13 19-0174	EA		30" x 58" x 3/4", Solid Phenolic, Toilet Partition Door .....275.79	275.79	20.35
			<i>For Heavy Gauge Full-Height SS Hinge, Add</i> 40.42	40.42	
			<i>For NFPA Class A, Add</i> 51.41	51.41	
10 21 13 19-0175	EA		34" x 58" x 3/4", Solid Phenolic, ADA Compliant Toilet Partition Door .....296.12	296.12	20.35
			<i>For Heavy Gauge Full-Height SS Hinge, Add</i> 40.42	40.42	
			<i>For NFPA Class A, Add</i> 55.67	55.67	
10 21 13 19-0176	EA		36" x 58" x 3/4", Solid Phenolic, ADA Compliant Toilet Partition Door .....317.00	317.00	20.35
			<i>For Heavy Gauge Full-Height SS Hinge, Add</i> 40.42	40.42	
			<i>For NFPA Class A, Add</i> 60.06	60.06	
10 21 13 19-0177			Solid Phenolic, Toilet Partition Panels <small>(10 21 13 19-0170)</small>		
10 21 13 19-0178	EA		6" x 58" x 1/2", Solid Phenolic, Toilet Partition Panel .....97.46	97.46	27.13
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i> 25.12	25.12	
			<i>For NFPA Class A, Add</i> 11.79	11.79	
10 21 13 19-0179	EA		12" x 58" x 1/2", Solid Phenolic, Toilet Partition Panel .....123.57	123.57	29.39
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i> 25.12	25.12	
			<i>For NFPA Class A, Add</i> 16.54	16.54	
10 21 13 19-0180	EA		18" x 58" x 1/2", Solid Phenolic, Toilet Partition Panel .....160.47	160.47	31.65
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i> 25.12	25.12	
			<i>For NFPA Class A, Add</i> 23.57	23.57	
10 21 13 19-0181	EA		24" x 58" x 1/2", Solid Phenolic, Toilet Partition Panel .....197.75	197.75	33.91
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i> 25.12	25.12	
			<i>For NFPA Class A, Add</i> 30.68	30.68	
10 21 13 19-0182	EA		30" x 58" x 1/2", Solid Phenolic, Toilet Partition Panel .....218.98	218.98	36.17
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i> 25.12	25.12	
			<i>For NFPA Class A, Add</i> 34.41	34.41	
10 21 13 19-0183	EA		36" x 58" x 1/2", Solid Phenolic, Toilet Partition Panel .....241.14	241.14	38.44
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i> 25.12	25.12	
			<i>For NFPA Class A, Add</i> 38.34	38.34	
10 21 13 19-0184	EA		42" x 58" x 1/2", Solid Phenolic, Toilet Partition Panel .....277.50	277.50	40.69
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i> 25.12	25.12	
			<i>For NFPA Class A, Add</i> 45.25	45.25	
10 21 13 19-0185	EA		48" x 58" x 1/2", Solid Phenolic, Toilet Partition Panel .....314.87	314.87	42.95
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i> 25.12	25.12	
			<i>For NFPA Class A, Add</i> 52.38	52.38	
10 21 13 19-0186	EA		55" x 58" x 1/2", Solid Phenolic, Toilet Partition Panel .....335.27	335.27	45.22
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i> 25.12	25.12	
			<i>For NFPA Class A, Add</i> 55.94	55.94	
10 21 13 19-0187	EA		58" x 58" x 1/2", Solid Phenolic, Toilet Partition Panel .....344.29	344.29	46.12
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i> 25.12	25.12	
			<i>For NFPA Class A, Add</i> 57.54	57.54	
10 21 13 19-0188	EA		60" x 58" x 1/2", Solid Phenolic, Toilet Partition Panel .....351.34	351.34	47.48
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i> 25.12	25.12	
			<i>For NFPA Class A, Add</i> 58.59	58.59	
10 21 13 19-0189	EA		70" x 58" x 1/2", Solid Phenolic, Toilet Partition Panel .....399.74	399.74	49.73
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i> 25.12	25.12	
			<i>For NFPA Class A, Add</i> 68.03	68.03	
10 21 13 19-0190	EA		78" x 58" x 1/2", Solid Phenolic, Toilet Partition Panel .....475.29	475.29	52.00
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i> 25.12	25.12	
			<i>For NFPA Class A, Add</i> 83.17	83.17	
10 21 13 19-0191			69" Long, Solid Phenolic, Toilet Partition Pilasters <small>(10 21 13 19-0170)</small>		
10 21 13 19-0192	EA		Up To 4" x 69" x 3/4", Solid Phenolic, Toilet Partition Pilaster .....120.39	120.39	13.56
			<i>For 1" Pilaster, Add</i> 11.66	11.66	
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i> 25.12	25.12	
			<i>For NFPA Class A, Add</i> 20.94	20.94	
10 21 13 19-0193	EA		5" x 69" x 3/4", Solid Phenolic, Toilet Partition Pilaster .....138.77	138.77	15.82
			<i>For 1" Pilaster, Add</i> 13.39	13.39	
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i> 25.12	25.12	
			<i>For NFPA Class A, Add</i> 24.08	24.08	
10 21 13 19-0194	EA		6" x 69" x 3/4", Solid Phenolic, Toilet Partition Pilaster .....143.29	143.29	18.09
			<i>For 1" Pilaster, Add</i> 13.39	13.39	
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i> 25.12	25.12	
			<i>For NFPA Class A, Add</i> 24.30	24.30	
10 21 13 19-0195	EA		8" x 69" x 3/4", Solid Phenolic, Toilet Partition Pilaster .....165.42	165.42	20.35
			<i>For 1" Pilaster, Add</i> 15.59	15.59	
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i> 25.12	25.12	
			<i>For NFPA Class A, Add</i> 28.23	28.23	
10 21 13 19-0196	EA		10" x 69" x 3/4", Solid Phenolic, Toilet Partition Pilaster .....185.83	185.83	22.60
			<i>For 1" Pilaster, Add</i> 17.58	17.58	
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i> 25.12	25.12	
			<i>For NFPA Class A, Add</i> 31.79	31.79	



Specialties	10
Interior Specialties	10 20
Compartments And Cubicles	10 21

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MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21	13 19-0197	EA	12" x 69" x 3/4", Solid Phenolic, Toilet Partition Pilaster	206.22	24.87
			<i>For 1" Pilaster, Add</i>	19.56	
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	25.12	
			<i>For NFPA Class A, Add</i>	35.35	
10 21	13 19-0198	EA	16" x 69" x 3/4", Solid Phenolic, Toilet Partition Pilaster	259.54	27.13
			<i>For 1" Pilaster, Add</i>	25.66	
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	25.12	
			<i>For NFPA Class A, Add</i>	45.82	
10 21	13 19-0199	EA	20" x 69" x 3/4", Solid Phenolic, Toilet Partition Pilaster	315.17	29.39
			<i>For 1" Pilaster, Add</i>	32.05	
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	25.12	
			<i>For NFPA Class A, Add</i>	56.78	
10 21	13 19-0200	EA	24" x 69" x 3/4", Solid Phenolic, Toilet Partition Pilaster	331.81	31.65
			<i>For 1" Pilaster, Add</i>	33.56	
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	25.12	
			<i>For NFPA Class A, Add</i>	59.55	
10 21 13 19-0201 83" Long, Solid Phenolic, Toilet Partition Pilasters (10 21 13 19-0170)					
10 21	13 19-0202	EA	Up To 4" x 83" x 3/4", Solid Phenolic, Toilet Partition Pilaster	130.78	13.56
			<i>For 1" Pilaster, Add</i>	12.96	
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	25.12	
			<i>For NFPA Class A, Add</i>	23.12	
10 21	13 19-0203	EA	5" x 83" x 3/4", Solid Phenolic, Toilet Partition Pilaster	153.20	15.82
			<i>For 1" Pilaster, Add</i>	15.19	
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	25.12	
			<i>For NFPA Class A, Add</i>	27.11	
10 21	13 19-0204	EA	6" x 83" x 3/4", Solid Phenolic, Toilet Partition Pilaster	157.72	18.09
			<i>For 1" Pilaster, Add</i>	15.19	
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	25.12	
			<i>For NFPA Class A, Add</i>	27.33	
10 21	13 19-0205	EA	8" x 83" x 3/4", Solid Phenolic, Toilet Partition Pilaster	182.17	20.35
			<i>For 1" Pilaster, Add</i>	17.69	
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	25.12	
			<i>For NFPA Class A, Add</i>	31.75	
10 21	13 19-0206	EA	10" x 83" x 3/4", Solid Phenolic, Toilet Partition Pilaster	205.46	22.60
			<i>For 1" Pilaster, Add</i>	20.03	
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	25.12	
			<i>For NFPA Class A, Add</i>	35.91	
10 21	13 19-0207	EA	12" x 83" x 3/4", Solid Phenolic, Toilet Partition Pilaster	228.89	24.87
			<i>For 1" Pilaster, Add</i>	22.40	
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	25.12	
			<i>For NFPA Class A, Add</i>	40.11	
10 21	13 19-0208	EA	16" x 83" x 3/4", Solid Phenolic, Toilet Partition Pilaster	293.32	27.13
			<i>For 1" Pilaster, Add</i>	29.88	
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	25.12	
			<i>For NFPA Class A, Add</i>	52.92	
10 21	13 19-0209	EA	20" x 83" x 3/4", Solid Phenolic, Toilet Partition Pilaster	346.79	29.39
			<i>For 1" Pilaster, Add</i>	36.00	
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	25.12	
			<i>For NFPA Class A, Add</i>	63.42	
10 21	13 19-0210	EA	24" x 83" x 3/4", Solid Phenolic, Toilet Partition Pilaster	365.46	31.65
			<i>For 1" Pilaster, Add</i>	37.77	
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	25.12	
			<i>For NFPA Class A, Add</i>	66.62	
10 21 13 19-0211 96" To 120" Long, Solid Phenolic, Toilet Partition Pilasters (10 21 13 19-0170)					
10 21	13 19-0212	EA	Up To 4" x 96" To 120" x 3/4", Solid Phenolic, Toilet Partition Pilaster	150.22	18.09
			<i>For 1" Pilaster, Add</i>	14.26	
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	25.12	
			<i>For NFPA Class A, Add</i>	25.76	
10 21	13 19-0213	EA	5" x 96" To 120" x 3/4", Solid Phenolic, Toilet Partition Pilaster	176.68	20.35
			<i>For 1" Pilaster, Add</i>	17.00	
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	25.12	
			<i>For NFPA Class A, Add</i>	30.59	
10 21	13 19-0214	EA	6" x 96" To 120" x 3/4", Solid Phenolic, Toilet Partition Pilaster	181.21	22.60
			<i>For 1" Pilaster, Add</i>	17.00	
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	25.12	
			<i>For NFPA Class A, Add</i>	30.82	
10 21	13 19-0215	EA	8" x 96" To 120" x 3/4", Solid Phenolic, Toilet Partition Pilaster	207.95	24.87
			<i>For 1" Pilaster, Add</i>	19.78	
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	25.12	
			<i>For NFPA Class A, Add</i>	35.71	
10 21	13 19-0216	EA	10" x 96" To 120" x 3/4", Solid Phenolic, Toilet Partition Pilaster	234.14	27.13
			<i>For 1" Pilaster, Add</i>	22.49	
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	25.12	
			<i>For NFPA Class A, Add</i>	40.49	
10 21	13 19-0217	EA	12" x 96" To 120" x 3/4", Solid Phenolic, Toilet Partition Pilaster	260.60	29.39
			<i>For 1" Pilaster, Add</i>	25.23	
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	25.12	
			<i>For NFPA Class A, Add</i>	45.32	

10 Specialties**10 20 Interior Specialties****10 21 Compartments And Cubicles**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 13 19-0218	EA		16" x 96" To 120" x 3/4", Solid Phenolic, Toilet Partition Pilaster.....	336.15	31.65
			<i>For 1" Pilaster, Add</i>	34.11	
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	25.12	
			<i>For NFPA Class A, Add</i>	60.46	
10 21 13 19-0219	EA		20" x 96" To 120" x 3/4", Solid Phenolic, Toilet Partition Pilaster.....	387.44	33.91
			<i>For 1" Pilaster, Add</i>	39.95	
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	25.12	
			<i>For NFPA Class A, Add</i>	70.51	
10 21 13 19-0220	EA		24" x 96" To 120" x 3/4", Solid Phenolic, Toilet Partition Pilaster.....	408.14	36.17
			<i>For 1" Pilaster, Add</i>	41.97	
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	25.12	
			<i>For NFPA Class A, Add</i>	74.13	
10 21 13 19-0221			Solid Color Reinforced Composite Toilet Partitions And Urinal Screens <small>(10 21 13 19-0221)</small>		
			Note: Complete toilet partitions for corner installations. Includes 3/4" door, 3/4" pilaster, 1/2" separator panel, trim shoes, and standard stainless steel hardware as required. For alcove, recessed or configurations other than corner installations use either: (1) the appropriate corner unit and add individual components or (2) individual components. Individual components include trim shoes and standard stainless steel hardware as required. Constructed of solid color reinforced composite core with a high pressure decorative matte surface finish as an integral part of the core material.		
10 21 13 19-0222			Solid Color Reinforced Composite Toilet Partitions <small>(10 21 13 19-0221)</small>		
			Note: Includes all standard Bobrick colors.		
10 21 13 19-0223			Floor Anchored, Solid Color Reinforced Composite, Complete Toilet Partitions <small>(10 21 13 19-0222)</small>		
10 21 13 19-0224	EA		36" x 60", Floor Anchored, Solid Color Reinforced Composite, One Compartment Corner Unit, Complete Toilet Partition.....	1,018.03	101.73
			<i>For >10, Deduct</i>	-81.46	
			<i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	90.66	
10 21 13 19-0225	EA		60" x 60", Floor Anchored, Solid Color Reinforced Composite, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition.....	1,239.19	110.77
			<i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	90.66	
10 21 13 19-0226	EA		60" x 78", Floor Anchored, Solid Color Reinforced Composite, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition.....	1,376.94	115.30
			<i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	90.66	
10 21 13 19-0227			Overhead Braced, Solid Color Reinforced Composite, Complete Toilet Partitions <small>(10 21 13 19-0222)</small>		
			Note: Includes headrail.		
10 21 13 19-0228	EA		36" x 60", Overhead Braced, Solid Color Reinforced Composite, One Compartment Corner Unit, Complete Toilet Partition.....	1,139.39	124.34
			<i>For >10, Deduct</i>	-89.07	
			<i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	90.66	
10 21 13 19-0229	EA		60" x 60", Overhead Braced, Solid Color Reinforced Composite, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition.....	1,369.06	133.39
			<i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	90.66	
10 21 13 19-0230	EA		60" x 78", Overhead Braced, Solid Color Reinforced Composite, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition.....	1,513.28	137.90
			<i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	90.66	
10 21 13 19-0231			Floor And Ceiling Anchored, Solid Color Reinforced Composite, Complete Toilet Partitions <small>(10 21 13 19-0222)</small>		
			Note: Excludes above ceiling steel.		
10 21 13 19-0232	EA		36" x 60", Floor And Ceiling Anchored, Solid Color Reinforced Composite, One Compartment Corner Unit, Complete Toilet Partition.....	1,191.57	146.94
			<i>For >10, Deduct</i>	-89.77	
			<i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	90.66	
10 21 13 19-0233	EA		60" x 60", Floor And Ceiling Anchored, Solid Color Reinforced Composite, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition.....	1,419.66	155.99
			<i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	90.66	
10 21 13 19-0234	EA		60" x 78", Floor And Ceiling Anchored, Solid Color Reinforced Composite, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition.....	1,557.40	160.50
			<i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	90.66	
10 21 13 19-0235			Ceiling Hung, Solid Color Reinforced Composite, Complete Toilet Partitions <small>(10 21 13 19-0222)</small>		
			Note: Excludes above ceiling steel.		
10 21 13 19-0236	EA		36" x 60", Ceiling Hung, Solid Color Reinforced Composite, One Compartment Corner Unit, Complete Toilet Partition.....	1,195.24	169.55
			<i>For >10, Deduct</i>	-85.61	
			<i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	90.66	
10 21 13 19-0237	EA		60" x 60", Ceiling Hung, Solid Color Reinforced Composite, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition.....	1,416.25	178.59
			<i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	90.66	
10 21 13 19-0238	EA		60" x 78", Ceiling Hung, Solid Color Reinforced Composite, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition.....	1,554.00	183.12
			<i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	90.66	



Specialties	10	10
Interior Specialties	10 20	
Compartments And Cubicles	10 21	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 13 19-0239 Solid Color Reinforced Composite Urinal Screens <small>(10 21 13 19-0221)</small> Note: Includes all standard Bobrick colors.		
10 21 13 19-0240 Floor Anchored, Solid Color Reinforced Composite, Toilet Partition Urinal Screens <small>(10 21 13 19-0239)</small>		
10 21 13 19-0241 EA 24" x 58" x 1/2", Floor Anchored, Solid Color Reinforced Composite, Toilet Partition Urinal Screen..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	392.04 25.12	63.28
10 21 13 19-0242 EA 36" x 58" x 1/2", Floor Anchored, Solid Color Reinforced Composite, Toilet Partition Urinal Screen..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	440.21 25.12	67.80
10 21 13 19-0243 EA 48" x 58" x 1/2", Floor Anchored, Solid Color Reinforced Composite, Toilet Partition Urinal Screen..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	520.71 25.12	72.32
10 21 13 19-0244 Wall Hung, Solid Color Reinforced Composite, Toilet Partition Urinal Screens <small>(10 21 13 19-0239)</small>		
10 21 13 19-0245 EA 18" x 42" x 1/2", Wall Hung, Solid Color Reinforced Composite, Toilet Partition Urinal Screen..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	261.75 25.12	54.24
10 21 13 19-0246 EA 24" x 42" x 1/2", Wall Hung, Solid Color Reinforced Composite, Toilet Partition Urinal Screen..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	299.89 25.12	58.76
10 21 13 19-0247 EA 30" x 42" x 1/2", Wall Hung, Solid Color Reinforced Composite, Toilet Partition Urinal Screen..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	354.57 25.12	63.28
10 21 13 19-0248 Wall Hung And Post Supported, Solid Color Reinforced Composite, Toilet Partition Urinal Screens <small>(10 21 13 19-0239)</small>		
10 21 13 19-0249 EA 18" x 58" x 1/2", Wall Hung And Post Supported, Solid Color Reinforced Composite, Toilet Partitiion Urinal Screen..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	268.80 25.12	58.76
10 21 13 19-0250 EA 24" x 58" x 1/2", Wall Hung And Post Supported, Solid Color Reinforced Composite, Toilet Partition Urinal Screen..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	328.26 25.12	63.28
10 21 13 19-0251 EA 30" x 58" x 1/2", Wall Hung And Post Supported, Solid Color Reinforced Composite, Toilet Partition Urinal Screen..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	378.77 25.12	67.80
10 21 13 19-0252 Wall Hung And Overhead Braced, Solid Color Reinforced Composite, Toilet Partition Urinal Screens <small>(10 21 13 19-0239)</small>		
10 21 13 19-0253 EA 22" x 58" x 1/2", Wall Hung And Overhead Braced, Solid Color Reinforced Composite, Toilet Partition Urinal Screen..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	398.30 25.12	58.76
10 21 13 19-0254 EA 36" x 58" x 1/2", Wall Hung And Overhead Braced, Solid Color Reinforced Composite, Toilet Partition Urinal Screen..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	446.74 25.12	63.28
10 21 13 19-0255 EA 48" x 58" x 1/2", Wall Hung And Overhead Braced, Solid Color Reinforced Composite, Toilet Partition Urinal Screen..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	528.71 25.12	67.80
10 21 13 19-0256 Solid Color Reinforced Composite Toilet Partition Doors, Panels And Pilasters <small>(10 21 13 19-0221)</small> Note: Includes all standard Bobrick colors. See CSI section 10 21 13 43-0001 for other accessories.		
10 21 13 19-0257 Solid Color Reinforced Composite, Toilet Partition Doors <small>(10 21 13 19-0256)</small>		
10 21 13 19-0258 EA 24" x 58" x 3/4", Solid Color Reinforced Composite, Toilet Partition Door..... <i>For Heavy Gauge Full-Height SS Hinge, Add</i>	268.35 40.42	18.09
10 21 13 19-0259 EA 26" x 58" x 3/4", Solid Color Reinforced Composite, Toilet Partition Door..... <i>For Heavy Gauge Full-Height SS Hinge, Add</i>	277.08 40.42	18.09
10 21 13 19-0260 EA 30" x 58" x 3/4", Solid Color Reinforced Composite, Toilet Partition Door..... <i>For Heavy Gauge Full-Height SS Hinge, Add</i>	304.01 40.42	20.35
10 21 13 19-0261 EA 34" x 58" x 3/4", Solid Color Reinforced Composite, Toilet Partition Door..... <i>For Heavy Gauge Full-Height SS Hinge, Add</i>	326.77 40.42	20.35
10 21 13 19-0262 EA 36" x 58" x 3/4", Solid Color Reinforced Composite, Toilet Partition Door..... <i>For Heavy Gauge Full-Height SS Hinge, Add</i>	350.16 40.42	20.35
10 21 13 19-0263 Solid Color Reinforced Composite, Toilet Partition Panels <small>(10 21 13 19-0256)</small>		
10 21 13 19-0264 EA 6" x 58" x 1/2", Solid Color Reinforced Composite, Toilet Partition Panel..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	102.65 25.12	27.13
10 21 13 19-0265 EA 12" x 58" x 1/2", Solid Color Reinforced Composite, Toilet Partition Panel..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	131.34 25.12	29.39
10 21 13 19-0266 EA 18" x 58" x 1/2", Solid Color Reinforced Composite, Toilet Partition Panel..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	172.13 25.12	31.65
10 21 13 19-0267 EA 24" x 58" x 1/2", Solid Color Reinforced Composite, Toilet Partition Panel..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	213.34 25.12	33.91
10 21 13 19-0268 EA 30" x 58" x 1/2", Solid Color Reinforced Composite, Toilet Partition Panel..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	236.57 25.12	36.17
10 21 13 19-0269 EA 36" x 58" x 1/2", Solid Color Reinforced Composite, Toilet Partition Panel..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	260.86 25.12	38.44
10 21 13 19-0270 EA 42" x 58" x 1/2", Solid Color Reinforced Composite, Toilet Partition Panel..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	301.04 25.12	40.69
10 21 13 19-0271 EA 48" x 58" x 1/2", Solid Color Reinforced Composite, Toilet Partition Panel..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	342.34 25.12	42.95

10 Specialties**10 20 Interior Specialties****10 21 Compartments And Cubicles**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 13 19-0272	EA		55" x 58" x 1/2", Solid Color Reinforced Composite, Toilet Partition Panel..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	364.65 25.12	45.22
10 21 13 19-0273	EA		58" x 58" x 1/2", Solid Color Reinforced Composite, Toilet Partition Panel..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	374.53 25.12	46.12
10 21 13 19-0274	EA		60" x 58" x 1/2", Solid Color Reinforced Composite, Toilet Partition Panel..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	382.10 25.12	47.48
10 21 13 19-0275	EA		70" x 58" x 1/2", Solid Color Reinforced Composite, Toilet Partition Panel..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	435.78 25.12	49.73
10 21 13 19-0276	EA		78" x 58" x 1/2", Solid Color Reinforced Composite, Toilet Partition Panel..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	519.85 25.12	52.00
10 21 13 19-0277			69" Long, Solid Color Reinforced Composite, Toilet Partition Pilasters <small>(10 21 13 19-0256)</small>		
10 21 13 19-0278	EA		Up To 4" x 69" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster <i>For 1" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	131.58 13.06 25.12	13.56
10 21 13 19-0279	EA		5" x 69" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster <i>For 1" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	151.62 15.00 25.12	15.82
10 21 13 19-0280	EA		6" x 69" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster <i>For 1" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	156.14 15.00 25.12	18.09
10 21 13 19-0281	EA		8" x 69" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster <i>For 1" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	180.39 17.46 25.12	20.35
10 21 13 19-0282	EA		10" x 69" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster <i>For 1" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	202.70 19.69 25.12	22.60
10 21 13 19-0283	EA		12" x 69" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster <i>For 1" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	225.00 21.91 25.12	24.87
10 21 13 19-0284	EA		16" x 69" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster <i>For 1" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	284.18 28.74 25.12	27.13
10 21 13 19-0285	EA		20" x 69" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster <i>For 1" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	345.93 35.89 25.12	29.39
10 21 13 19-0286	EA		24" x 69" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster <i>For 1" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	364.04 37.59 25.12	31.65
10 21 13 19-0287			83" Long, Solid Color Reinforced Composite, Toilet Partition Pilasters <small>(10 21 13 19-0256)</small>		
10 21 13 19-0288	EA		Up To 4" x 83" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster <i>For 1" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	143.22 14.51 25.12	13.56
10 21 13 19-0289	EA		5" x 83" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster <i>For 1" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	167.79 17.02 25.12	15.82
10 21 13 19-0290	EA		6" x 83" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster <i>For 1" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	172.31 17.02 25.12	18.09
10 21 13 19-0291	EA		8" x 83" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster <i>For 1" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	199.14 19.81 25.12	20.35
10 21 13 19-0292	EA		10" x 83" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster <i>For 1" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	224.69 22.43 25.12	22.60
10 21 13 19-0293	EA		12" x 83" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster <i>For 1" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	250.39 25.08 25.12	24.87
10 21 13 19-0294	EA		16" x 83" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster <i>For 1" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	322.01 33.47 25.12	27.13
10 21 13 19-0295	EA		20" x 83" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster <i>For 1" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	381.35 40.32 25.12	29.39
10 21 13 19-0296	EA		24" x 83" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster <i>For 1" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	401.72 42.30 25.12	31.65
10 21 13 19-0297			96" To 120" Long, Solid Color Reinforced Composite, Toilet Partition Pilasters <small>(10 21 13 19-0256)</small>		
10 21 13 19-0298	EA		Up To 4" x 96" To 120" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster <i>For 1" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	163.90 15.97 25.12	18.09
10 21 13 19-0299	EA		5" x 96" To 120" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster <i>For 1" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	193.00 19.04 25.12	20.35
10 21 13 19-0300	EA		6" x 96" To 120" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster <i>For 1" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	197.53 19.04 25.12	22.60



Specialties	10
Interior Specialties	10 20
Compartments And Cubicles	10 21

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MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 13 19-0301	EA		8" x 96" To 120" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster <i>For 1" Pilaster, Add</i>	226.94 22.15 25.12	24.87
10 21 13 19-0302	EA		10" x 96" To 120" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster <i>For 1" Pilaster, Add</i>	255.72 25.18 25.12	27.13
10 21 13 19-0303	EA		12" x 96" To 120" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster <i>For 1" Pilaster, Add</i>	284.82 28.26 25.12	29.39
10 21 13 19-0304	EA		16" x 96" To 120" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster <i>For 1" Pilaster, Add</i>	368.89 38.20 25.12	31.65
10 21 13 19-0305	EA		20" x 96" To 120" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster <i>For 1" Pilaster, Add</i>	425.79 44.75 25.12	33.91
10 21 13 19-0306	EA		24" x 96" To 120" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster <i>For 1" Pilaster, Add</i>	448.43 47.01 25.12	36.17
10 21 13 19-0307			Solid Polyester (Corian) Toilet Partitions And Urinal Screens <small>(10 21 13 19)</small> Note: Complete toilet partitions for corner installations. Includes 1/2" door (1" at edge), 1" pilaster, 1/2" separator panel, trim shoes, and standard stainless steel hardware as required. For alcove, recessed or configurations other than corner installations use either: (1) the appropriate corner unit and add individual components or (2) individual components. Individual components include trim shoes and standard stainless steel hardware as required. Produced or cast by combining unsaturated polyester resin with a combination of fillers, pigments and catalysts.		
10 21 13 19-0308			Solid Polyester (Corian) Toilet Partitions <small>(10 21 13 19-0307)</small> Note: Small particulate finish.		
10 21 13 19-0309			Floor Anchored, Solid Polyester (Corian), Complete Toilet Partitions <small>(10 21 13 19-0308)</small>		
10 21 13 19-0310	EA		36" x 60", Floor Anchored, Solid Polyester (Corian), One Compartment Corner Unit, Complete Toilet Partition..... <i>For >10, Deduct</i>	2,822.85 -261.94 -602.46 90.66	101.73
10 21 13 19-0311	EA		60" x 60", Floor Anchored, Solid Polyester (Corian), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition..... <i>For Solid Color Material (No Particulate), Deduct</i>	3,404.20 -732.01 90.66	110.77
10 21 13 19-0312	EA		60" x 78", Floor Anchored, Solid Polyester (Corian), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition..... <i>For Solid Color Material (No Particulate), Deduct</i>	3,772.14 -814.56 90.66	115.30
10 21 13 19-0313			Overhead Braced, Solid Polyester (Corian), Complete Toilet Partitions <small>(10 21 13 19-0308)</small>		
10 21 13 19-0314	EA		36" x 60", Overhead Braced, Solid Polyester (Corian), One Compartment Corner Unit, Complete Toilet Partition..... <i>For >10, Deduct</i>	2,939.41 -269.07 -618.87 90.66	124.34
10 21 13 19-0315	EA		60" x 60", Overhead Braced, Solid Polyester (Corian), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition..... <i>For Solid Color Material (No Particulate), Deduct</i>	3,849.81 -824.10 90.66	133.39
10 21 13 19-0316	EA		60" x 78", Overhead Braced, Solid Polyester (Corian), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition..... <i>For Solid Color Material (No Particulate), Deduct</i>	4,257.93 -915.89 90.66	137.90
10 21 13 19-0317			Floor And Ceiling Anchored, Solid Polyester (Corian), Complete Toilet Partitions <small>(10 21 13 19-0308)</small> Note: Excludes above ceiling steel.		
10 21 13 19-0318	EA		36" x 60", Floor And Ceiling Anchored, Solid Polyester (Corian), One Compartment Corner Unit, Complete Toilet Partition..... <i>For >10, Deduct</i>	3,295.85 -300.20 -690.45 90.66	146.94
10 21 13 19-0319	EA		60" x 60", Floor And Ceiling Anchored, Solid Polyester (Corian), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition..... <i>For Solid Color Material (No Particulate), Deduct</i>	4,409.98 -942.54 90.66	155.99
10 21 13 19-0320	EA		60" x 78", Floor And Ceiling Anchored, Solid Polyester (Corian), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition..... <i>For Solid Color Material (No Particulate), Deduct</i>	4,817.77 -1,034.25 90.66	160.50
10 21 13 19-0321			Ceiling Hung, Solid Polyester (Corian), Complete Toilet Partitions <small>(10 21 13 19-0308)</small> Note: Excludes above ceiling steel.		

10 Specialties**10 20 Interior Specialties****10 21 Compartments And Cubicles**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 13 19-0322	EA		36" x 60", Ceiling Hung, Solid Polyester (Corian), One Compartment Corner Unit, Complete Toilet Partition.....	3,337.21	169.55
			<i>For >10, Deduct</i>	-299.81	
			<i>For Solid Color Material (No Particulate), Deduct</i>	-689.57	
			<i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	90.66	
10 21 13 19-0323	EA		60" x 60", Ceiling Hung, Solid Polyester (Corian), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	4,247.94	178.59
			<i>For Solid Color Material (No Particulate), Deduct</i>	-894.87	
			<i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	90.66	
10 21 13 19-0324	EA		60" x 78", Ceiling Hung, Solid Polyester (Corian), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	4,655.74	183.12
			<i>For Solid Color Material (No Particulate), Deduct</i>	-986.59	
			<i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	90.66	
10 21 13 19-0325			Solid Polyester (Corian) Urinal Screens <small>(10 21 13 19-0307)</small>		
10 21 13 19-0326			Floor Anchored, Solid Polyester (Corian), Urinal Screens <small>(10 21 13 19-0325)</small>		
10 21 13 19-0327	EA		24" x 58" x 1/2", Floor Anchored, Solid Polyester (Corian), Urinal Screen.....	792.82	63.28
			<i>For Solid Color Material (No Particulate), Deduct</i>	-153.24	
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	25.12	
10 21 13 19-0328	EA		36" x 58" x 1/2", Floor Anchored, Solid Polyester (Corian), Urinal Screen.....	1,041.13	67.80
			<i>For Solid Color Material (No Particulate), Deduct</i>	-208.27	
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	25.12	
10 21 13 19-0329	EA		48" x 58" x 1/2", Floor Anchored, Solid Polyester (Corian), Urinal Screen.....	1,289.43	72.32
			<i>For Solid Color Material (No Particulate), Deduct</i>	-263.30	
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	25.12	
10 21 13 19-0330			Wall Hung, Solid Polyester (Corian), Urinal Screens <small>(10 21 13 19-0325)</small>		
10 21 13 19-0331	EA		18" x 42" x 1/2", Wall Hung, Solid Polyester (Corian), Urinal Screen.....	414.49	54.24
			<i>For Solid Color Material (No Particulate), Deduct</i>	-70.38	
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	25.12	
10 21 13 19-0332	EA		24" x 42" x 1/2", Wall Hung, Solid Polyester (Corian), Urinal Screen.....	525.53	58.76
			<i>For Solid Color Material (No Particulate), Deduct</i>	-93.84	
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	25.12	
10 21 13 19-0333	EA		30" x 42" x 1/2", Wall Hung, Solid Polyester (Corian), Urinal Screen.....	636.58	63.28
			<i>For Solid Color Material (No Particulate), Deduct</i>	-117.31	
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	25.12	
10 21 13 19-0334			Wall Hung And Post Supported, Solid Polyester (Corian), Urinal Screens <small>(10 21 13 19-0325)</small>		
10 21 13 19-0335	EA		18" x 58" x 1/2", Wall Hung And Post Supported, Solid Polyester (Corian), Urinal Screen.....	537.28	58.76
			<i>For Solid Color Material (No Particulate), Deduct</i>	-96.55	
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	25.12	
10 21 13 19-0336	EA		24" x 58" x 1/2", Wall Hung And Post Supported, Solid Polyester (Corian), Urinal Screen.....	665.95	63.28
			<i>For Solid Color Material (No Particulate), Deduct</i>	-124.06	
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	25.12	
10 21 13 19-0337	EA		30" x 58" x 1/2", Wall Hung And Post Supported, Solid Polyester (Corian), Urinal Screen.....	794.62	67.80
			<i>For Solid Color Material (No Particulate), Deduct</i>	-151.58	
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	25.12	
10 21 13 19-0338			Wall Hung And Overhead Braced, Solid Polyester (Corian), Urinal Screens <small>(10 21 13 19-0325)</small>		
10 21 13 19-0339	EA		22" x 58" x 1/2", Wall Hung And Overhead Braced, Solid Polyester (Corian), Urinal Screen	809.86	58.76
			<i>For Solid Color Material (No Particulate), Deduct</i>	-159.24	
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	25.12	
10 21 13 19-0340	EA		34" x 58" x 1/2", Wall Hung And Overhead Braced, Solid Polyester (Corian), Urinal Screen	1,058.16	63.28
			<i>For Solid Color Material (No Particulate), Deduct</i>	-214.27	
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	25.12	
10 21 13 19-0341	EA		46" x 58" x 1/2", Wall Hung And Overhead Braced, Solid Polyester (Corian), Urinal Screen	1,306.46	67.80
			<i>For Solid Color Material (No Particulate), Deduct</i>	-269.30	
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	25.12	
10 21 13 19-0342			Solid Polyester (Corian) Toilet Partition Doors, Panels And Pilasters <small>(10 21 13 19-0307)</small>		
			See CSI section 10 21 13 43-0000 for accessories, 10 21 13 43-0001 for other accessories.		
10 21 13 19-0343			Solid Polyester (Corian), Toilet Partition Doors <small>(10 21 13 19-0342)</small>		
10 21 13 19-0344	EA		24" x 58" x 1/2", Solid Polyester (Corian), Toilet Partition Door	614.38	18.09
			<i>For Solid Color Material (No Particulate), Deduct</i>	-132.99	
			<i>For Heavy Gauge Full-Height SS Hinge, Add</i>	40.42	
10 21 13 19-0345	EA		26" x 58" x 1/2", Solid Polyester (Corian), Toilet Partition Door	655.70	18.09
			<i>For Solid Color Material (No Particulate), Deduct</i>	-142.49	
			<i>For Heavy Gauge Full-Height SS Hinge, Add</i>	40.42	
10 21 13 19-0346	EA		30" x 58" x 1/2", Solid Polyester (Corian), Toilet Partition Door	747.62	20.35
			<i>For Solid Color Material (No Particulate), Deduct</i>	-162.59	
			<i>For Heavy Gauge Full-Height SS Hinge, Add</i>	40.42	
10 21 13 19-0347	EA		34" x 58" x 1/2", Solid Polyester (Corian), Toilet Partition Door	832.90	20.35
			<i>For Solid Color Material (No Particulate), Deduct</i>	-182.21	
			<i>For Heavy Gauge Full-Height SS Hinge, Add</i>	40.42	
10 21 13 19-0348	EA		36" x 58" x 1/2", Solid Polyester (Corian), Toilet Partition Door	870.01	20.35
			<i>For Solid Color Material (No Particulate), Deduct</i>	-190.74	
			<i>For Heavy Gauge Full-Height SS Hinge, Add</i>	40.42	



Specialties	10
Interior Specialties	10 20
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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 13 19-0349 Solid Polyester (Corian), Toilet Partition Panels <small>(10 21 13 19-0342)</small>		
10 21 13 19-0350 EA 6" x 58" x 1/2", Solid Polyester (Corian), Toilet Partition Panel..... <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	173.88 -27.51 25.12	27.13
10 21 13 19-0351 EA 12" x 58" x 1/2", Solid Polyester (Corian), Toilet Partition Panel..... <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	298.04 -55.03 25.12	29.39
10 21 13 19-0352 EA 18" x 58" x 1/2", Solid Polyester (Corian), Toilet Partition Panel..... <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	422.19 -62.54 25.12	31.65
10 21 13 19-0353 EA 24" x 58" x 1/2", Solid Polyester (Corian), Toilet Partition Panel..... <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	546.34 -110.06 25.12	33.91
10 21 13 19-0354 EA 30" x 58" x 1/2", Solid Polyester (Corian), Toilet Partition Panel..... <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	670.50 -137.57 25.12	36.17
10 21 13 19-0355 EA 36" x 58" x 1/2", Solid Polyester (Corian), Toilet Partition Panel..... <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	794.63 -165.09 25.12	38.44
10 21 13 19-0356 EA 42" x 58" x 1/2", Solid Polyester (Corian), Toilet Partition Panel..... <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	918.80 -192.60 25.12	40.69
10 21 13 19-0357 EA 48" x 58" x 1/2", Solid Polyester (Corian), Toilet Partition Panel..... <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	1,042.94 -220.12 25.12	42.95
10 21 13 19-0358 EA 55" x 58" x 1/2", Solid Polyester (Corian), Toilet Partition Panel..... <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	1,187.03 -252.22 25.12	45.22
10 21 13 19-0359 EA 58" x 58" x 1/2", Solid Polyester (Corian), Toilet Partition Panel..... <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	1,248.66 -265.98 25.12	46.12
10 21 13 19-0360 EA 60" x 58" x 1/2", Solid Polyester (Corian), Toilet Partition Panel..... <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	1,291.24 -275.15 25.12	47.48
10 21 13 19-0361 EA 70" x 58" x 1/2", Solid Polyester (Corian), Toilet Partition Panel..... <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	1,495.14 -321.00 25.12	49.73
10 21 13 19-0362 EA 78" x 58" x 1/2", Solid Polyester (Corian), Toilet Partition Panel..... <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	1,659.17 -357.69 25.12	52.00
10 21 13 19-0363 72" Long, Solid Polyester (Corian), Toilet Partition Pilasters <small>(10 21 13 19-0342)</small>		
10 21 13 19-0364 EA Up To 4" x 72" x 1", Solid Polyester (Corian), Toilet Partition Pilaster..... <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	214.88 -43.18 25.12	13.56
10 21 13 19-0365 EA 5" x 72" x 1", Solid Polyester (Corian), Toilet Partition Pilaster..... <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	266.34 -53.98 25.12	15.82
10 21 13 19-0366 EA 6" x 72" x 1", Solid Polyester (Corian), Toilet Partition Pilaster..... <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	317.80 -64.77 25.12	18.09
10 21 13 19-0367 EA 8" x 72" x 1", Solid Polyester (Corian), Toilet Partition Pilaster..... <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	416.21 -86.37 25.12	20.35
10 21 13 19-0368 EA 10" x 72" x 1", Solid Polyester (Corian), Toilet Partition Pilaster..... <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	514.61 -107.96 25.12	22.60
10 21 13 19-0369 EA 12" x 72" x 1", Solid Polyester (Corian), Toilet Partition Pilaster..... <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	613.00 -129.55 25.12	24.87
10 21 13 19-0370 EA 18" x 72" x 1", Solid Polyester (Corian), Toilet Partition Pilaster..... <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	899.15 -194.32 25.12	27.13
10 21 13 19-0371 EA 22" x 72" x 1", Solid Polyester (Corian), Toilet Partition Pilaster..... <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	1,091.44 -237.51 25.12	29.39
10 21 13 19-0372 EA 24" x 72" x 1", Solid Polyester (Corian), Toilet Partition Pilaster..... <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	1,189.83 -259.10 25.12	31.65
10 21 13 19-0373 82" Long, Solid Polyester (Corian), Toilet Partition Pilasters <small>(10 21 13 19-0342)</small>		
10 21 13 19-0374 EA Up To 4" x 82" x 1", Solid Polyester (Corian), Toilet Partition Pilaster..... <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	240.96 -49.18 25.12	13.56
10 21 13 19-0375 EA 5" x 82" x 1", Solid Polyester (Corian), Toilet Partition Pilaster..... <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	298.95 -61.48 25.12	15.82
10 21 13 19-0376 EA 6" x 82" x 1", Solid Polyester (Corian), Toilet Partition Pilaster..... <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	350.81 -72.37 25.12	18.09

10 Specialties**10 20 Interior Specialties****10 21 Compartments And Cubicles**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 13 19-0377	EA		8" x 82" x 1", Solid Polyester (Corian), Toilet Partition Pilaster <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	476.51 -100.24 25.12	20.35
10 21 13 19-0378	EA		10" x 82" x 1", Solid Polyester (Corian), Toilet Partition Pilaster <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	579.80 -122.95 25.12	22.60
10 21 13 19-0379	EA		12" x 82" x 1", Solid Polyester (Corian), Toilet Partition Pilaster <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	691.22 -147.54 25.12	24.87
10 21 13 19-0380	EA		18" x 82" x 1", Solid Polyester (Corian), Toilet Partition Pilaster <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	1,016.50 -221.32 25.12	27.13
10 21 13 19-0381	EA		22" x 82" x 1", Solid Polyester (Corian), Toilet Partition Pilaster <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	1,234.87 -270.50 25.12	29.39
10 21 13 19-0382	EA		24" x 82" x 1", Solid Polyester (Corian), Toilet Partition Pilaster <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	1,346.30 -295.09 25.12	31.65
10 21 13 19-0383			96" To 120" Long, Solid Polyester (Corian), Toilet Partition Pilasters <small>(10 21 13 19-03 42)</small>		
10 21 13 19-0384	EA		Up To 4" x 96" To 120" x 1", Solid Polyester (Corian), Toilet Partition Pilaster <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	317.80 -64.77 25.12	18.09
10 21 13 19-0385	EA		5" x 96" To 120" x 1", Solid Polyester (Corian), Toilet Partition Pilaster <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	392.73 -80.97 25.12	20.35
10 21 13 19-0386	EA		6" x 96" To 120" x 1", Solid Polyester (Corian), Toilet Partition Pilaster <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	467.67 -97.16 25.12	22.60
10 21 13 19-0387	EA		8" x 96" To 120" x 1", Solid Polyester (Corian), Toilet Partition Pilaster <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	613.00 -129.55 25.12	24.87
10 21 13 19-0388	EA		10" x 96" To 120" x 1", Solid Polyester (Corian), Toilet Partition Pilaster <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	758.34 -161.94 25.12	27.13
10 21 13 19-0389	EA		12" x 96" To 120" x 1", Solid Polyester (Corian), Toilet Partition Pilaster <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	903.67 -194.32 25.12	29.39
10 21 13 19-0390	EA		18" x 96" To 120" x 1", Solid Polyester (Corian), Toilet Partition Pilaster <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	1,330.65 -291.49 25.12	31.65
10 21 13 19-0391	EA		22" x 96" To 120" x 1", Solid Polyester (Corian), Toilet Partition Pilaster <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	1,616.81 -356.27 25.12	33.91
10 21 13 19-0392	EA		24" x 96" To 120" x 1", Solid Polyester (Corian), Toilet Partition Pilaster <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	1,762.15 -388.65 25.12	36.17
10 21 13 43			Compartments and Cubicles Common Accessories <small>(10 21 13)</small>		
10 21 13 43-0001			Accessories <small>(10 21 13 43)</small>		
10 21 13 43-0002	LF		Extruded Aluminum Headrails For Toilet Partitions And Urinal Screens	9.32	1.81
10 21 13 43-0003	LF		Stainless Steel Headrails For Toilet Partitions And Urinal Screens	13.55	1.81
10 21 13 43-0004	EA		Replacement 1-1/2" x 58" Stainless Steel Wall Posts	91.72	
10 21 13 43-0005	EA		Replacement 58" Aluminum Wall U Bracket	49.05	
10 21 13 43-0006	EA		Replacement 58" Aluminum Wall Two Ear Bracket	81.36	
10 21 13 43-0007	EA		Replacement 54" Stainless Steel Wall U Bracket	70.36	
10 21 13 43-0008	EA		Replacement 54" Stainless Steel Wall Two Ear Bracket	170.49	
10 21 13 43-0009	EA		Replacement 54" Plastic Wall Two Ear Bracket, All Colors	106.75	
10 21 13 43-0010	EA		Replacement 57-1/2" Stainless Steel Hinge	114.89	
10 21 16			Shower And Dressing Compartments <small>(10 21)</small>		
10 21 16 17			Phenolic-Core Shower and Dressing Compartments <small>(10 21 16)</small>		
10 21 16 17-0001			Shower Dividers <small>(10 21 16 17)</small>		
10 21 16 17-0002			Solid Phenolic Core Laminated Plastic, Shower Dividers <small>(10 21 16 17-0001)</small> Note: Cut to height in field. panels 58" high. Posts 1-1/4" square, 304 stainless steel satin finish. 1/2" thick panels.		
10 21 16 17-0003	EA		18" Wide, Solid Phenolic Core Laminated Plastic, Shower Divider <i>For 66" High Panels, Add</i>	682.32 68.44	113.04
10 21 16 17-0004	EA		24" Wide, Solid Phenolic Core Laminated Plastic, Shower Divider <i>For 66" High Panels, Add</i>	852.49 91.25	122.08
10 21 16 17-0005	EA		36" Wide, Solid Phenolic Core Laminated Plastic, Shower Divider <i>For 66" High Panels, Add</i>	1,096.89 123.84	135.64
10 21 16 17-0006	EA		48" Wide, Solid Phenolic Core Laminated Plastic, Shower Divider <i>For 66" High Panels, Add</i>	1,294.16 146.65	158.25
10 21 16 17-0007	EA		57" Wide, Solid Phenolic Core Laminated Plastic, Shower Divider <i>For 66" High Panels, Add</i>	1,491.47 169.46	180.85



Specialties	10	10
Interior Specialties	10 20	
Compartments And Cubicles	10 21	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 16 17-0008 Solid Phenolic Core Laminated Plastic, Shower Dividers With Headrail And Curtain Track <small>(10 21 16 17-0001)</small>		
Note: Cut to height in field. Panels 58" high. Posts 1-1/4" square, 304 stainless steel satin finish. 1/2" thick panels. Includes 3/4" stiles, 85" from floor to top of headrail. Headrail 4" wide. All stainless steel shoes and stainless steel fittings. Leveling devices are chromate treated double zinc plated steel. Overhead braced designed with concealed curtain tracks and hooks in headrail.		
10 21 16 17-0009 EA 18" Wide, Solid Phenolic Core Laminated Plastic, Shower Divider With Headrail And Curtain Track	1,628.45	198.67
For 66" High Panels, Add	224.40	
For 6" Wide Head Rail, Add	40.91	
For 8" Wide Head Rail, Add	57.19	
For 10" Wide Head Rail, Add	69.50	
For 12" Wide Head Rail, Add	83.80	
For 18" Wide, 1/2" Thick Bench, Add	124.73	
For 24" Wide, 1/2" Thick Bench, Add	164.73	
10 21 16 17-0010 EA 24" Wide, Solid Phenolic Core Laminated Plastic, Shower Divider With Headrail And Curtain Track	2,003.00	216.94
For 66" High Panels, Add	278.75	
For 6" Wide Head Rail, Add	51.41	
For 8" Wide Head Rail, Add	71.44	
For 10" Wide Head Rail, Add	87.13	
For 12" Wide Head Rail, Add	104.99	
For 18" Wide, 1/2" Thick Bench, Add	128.39	
For 24" Wide, 1/2" Thick Bench, Add	168.39	
10 21 16 17-0011 EA 36" Wide, Solid Phenolic Core Laminated Plastic, Shower Divider With Headrail And Curtain Track	2,513.26	230.68
For 66" High Panels, Add	353.92	
For 6" Wide Head Rail, Add	66.17	
For 8" Wide Head Rail, Add	91.30	
For 10" Wide Head Rail, Add	111.82	
For 12" Wide Head Rail, Add	134.65	
For 18" Wide, 1/2" Thick Bench, Add	131.14	
For 24" Wide, 1/2" Thick Bench, Add	171.14	
10 21 16 17-0012 EA 48" Wide, Solid Phenolic Core Laminated Plastic, Shower Divider With Headrail And Curtain Track	2,688.75	258.08
For 66" High Panels, Add	377.51	
For 6" Wide Head Rail, Add	70.34	
For 8" Wide Head Rail, Add	97.23	
For 10" Wide Head Rail, Add	118.95	
For 12" Wide Head Rail, Add	143.26	
For 18" Wide, 1/2" Thick Bench, Add	136.61	
For 24" Wide, 1/2" Thick Bench, Add	176.61	
10 21 16 17-0013 EA 57" Wide, Solid Phenolic Core Laminated Plastic, Shower Divider With Headrail And Curtain Track	3,071.51	280.50
For 66" High Panels, Add	432.68	
For 6" Wide Head Rail, Add	80.93	
For 8" Wide Head Rail, Add	111.64	
For 10" Wide Head Rail, Add	136.75	
For 12" Wide Head Rail, Add	164.66	
For 18" Wide, 1/2" Thick Bench, Add	141.10	
For 24" Wide, 1/2" Thick Bench, Add	181.10	
10 21 23 Cubicle Curtains And Track <small>(10 21)</small>		
10 21 23 13 Cubicle Curtains <small>(10 21 23)</small>		
10 21 23 13-0001 Hospital Curtains <small>(10 21 23 13)</small>		
10 21 23 13-0002 LF 84" High, Fire Resistant Polyester, Hospital Cubicle Curtain	13.51	0.78
10 21 23 13-0003 LF 90" High, Fire Resistant Polyester, Hospital Cubicle Curtain	14.31	0.78
10 21 23 13-0004 LF 96" High, Fire Resistant Polyester, Hospital Cubicle Curtain	15.32	0.78
10 21 23 13-0005 LF 102" High, Fire Resistant Polyester, Hospital Cubicle Curtain	16.13	0.78
10 21 23 13-0006 LF 108" High, Fire Resistant Polyester, Hospital Cubicle Curtain	16.94	0.78
10 21 23 13-0007 LF 120" High, Fire Resistant Polyester, Hospital Cubicle Curtain	18.49	0.78
10 21 23 16 Cubicle Track And Hardware <small>(10 21 23)</small>		
10 21 23 16-0001 Hospital Cubicle Curtain Channel Track <small>(10 21 23 16)</small>		
Note: Track is extruded aluminum. Includes curved sections, carrier rollers and all fittings.		
10 21 23 16-0002 LF Flush Mounted, Aluminum, Hospital Cubicle Curtain Channel Track	14.21	2.72
10 21 23 16-0003 LF Suspended, Aluminum, Hospital Cubicle Curtain Channel Track	22.64	4.51
10 21 23 16-0004 Hospital IV Tracks <small>(10 21 23 16)</small>		
10 21 23 16-0005 LF Oval Hospital Partition IV Track	17.75	2.58
10 21 23 16-0006 EA Hospital Partition IV Trolley	96.31	10.75
10 21 23 16-0007 EA 5 Hook Tree, Hospital Partition IV Pendant	385.20	10.75
10 22 Partitions <small>(10 20)</small>		
10 22 13 Wire Mesh Partitions <small>(10 22)</small>		
10 22 13 00-0001 Wall Panels <small>(10 22 13)</small>		
Note: Includes steel frame and posts. Posts bolted to floor.		
10 22 13 00-0002 SF Wire Mesh Wall Panel, 10 Gauge, Diamond Pattern With Vertical And Horizontal Frames And Posts	8.06	1.13
For 5' Wide Panels, Add	0.29	

10 Specialties**10 20 Interior Specialties****10 22 Partitions**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 22 13 00-0003	SF		Wire Mesh Wall Panel, 8 Gauge, Diamond Pattern With Vertical And Horizontal Frames And Posts	9.02	1.36
			<i>For 5' Wide Panels, Add</i>	0.32	
10 22 13 00-0004	SF		Wire Mesh Wall Panel, 6 Gauge, Diamond Pattern With Vertical And Horizontal Frames And Posts	10.18	1.58
			<i>For 5' Wide Panels, Add</i>	0.35	
10 22 13 00-0005			Ceiling Panels <small>(10 22 13)</small>		
			Note: Includes steel frame.		
10 22 13 00-0006	SF		Wire Mesh Ceiling Panel, 10 Gauge, Diamond Pattern With Vertical And Horizontal Frames And Posts	8.47	1.36
10 22 13 00-0007	SF		Wire Mesh Ceiling Panel, 8 Gauge, Diamond Pattern With Vertical And Horizontal Frames And Posts	9.42	1.58
10 22 13 00-0008	SF		Wire Mesh Ceiling Panel, 6 Gauge, Diamond Pattern With Vertical And Horizontal Frames And Posts	10.47	1.81
10 22 13 00-0009			Sliding Doors <small>(10 22 13)</small>		
			Note: Includes padlocks lugs and/or provisions for cylinder lock.		
10 22 13 00-0010	EA		4' x 8' Sliding Door, 10 Gauge With Cylinder Lock.....	855.87	237.37
			<i>For 8 Gauge, Add</i>	80.91	
			<i>For 6 Gauge, Add</i>	161.81	
10 22 13 00-0011	EA		4' x 10' Sliding Door, 10 Gauge With Cylinder Lock.....	910.78	262.24
			<i>For 8 Gauge, Add</i>	84.17	
			<i>For 6 Gauge, Add</i>	168.34	
10 22 13 00-0012	EA		5' x 8' Sliding Door, 10 Gauge With Cylinder Lock.....	984.42	271.29
			<i>For 8 Gauge, Add</i>	93.41	
			<i>For 6 Gauge, Add</i>	186.81	
10 22 13 00-0013	EA		5' x 10' Sliding Door, 10 Gauge With Cylinder Lock.....	1,072.27	293.89
			<i>For 8 Gauge, Add</i>	102.06	
			<i>For 6 Gauge, Add</i>	204.13	
10 22 13 00-0014	EA		6' x 8' Sliding Door, 10 Gauge With Cylinder Lock.....	1,114.90	311.98
			<i>For 8 Gauge, Add</i>	104.84	
			<i>For 6 Gauge, Add</i>	209.68	
10 22 13 00-0015	EA		6' x 10' Sliding Door, 10 Gauge With Cylinder Lock.....	1,216.96	330.06
			<i>For 8 Gauge, Add</i>	116.53	
			<i>For 6 Gauge, Add</i>	233.06	
10 22 13 00-0016	EA		8' x 8' Sliding Door, 10 Gauge With Cylinder Lock.....	1,308.05	354.93
			<i>For 8 Gauge, Add</i>	125.22	
			<i>For 6 Gauge, Add</i>	250.44	
10 22 13 00-0017	EA		8' x 10' Sliding Door, 10 Gauge With Cylinder Lock.....	1,412.04	370.75
			<i>For 8 Gauge, Add</i>	137.66	
			<i>For 6 Gauge, Add</i>	275.31	
10 22 13 00-0018	EA		10' x 8' Sliding Door, 10 Gauge With Cylinder Lock.....	1,428.84	379.80
			<i>For 8 Gauge, Add</i>	138.37	
			<i>For 6 Gauge, Add</i>	276.73	
10 22 13 00-0019	EA		10' x 10' Sliding Door, 10 Gauge With Cylinder Lock.....	1,564.50	402.40
			<i>For 8 Gauge, Add</i>	154.19	
			<i>For 6 Gauge, Add</i>	308.39	
10 22 13 00-0020			Swing Doors <small>(10 22 13)</small>		
10 22 13 00-0021			Single Swing Door <small>(10 22 13 00-0020)</small>		
10 22 13 00-0022	EA		3' x 7' Swing Door, 10 Gauge With Cylinder Lock.....	576.61	140.17
			<i>For 8 Gauge, Add</i>	56.35	
			<i>For 6 Gauge, Add</i>	112.70	
10 22 13 00-0023	EA		3' x 8' Swing Door, 10 Gauge With Cylinder Lock.....	617.52	158.25
			<i>For 8 Gauge, Add</i>	60.98	
			<i>For 6 Gauge, Add</i>	121.96	
10 22 13 00-0024	EA		3' x 9' Swing Door, 10 Gauge With Cylinder Lock.....	660.16	167.29
			<i>For 8 Gauge, Add</i>	65.57	
			<i>For 6 Gauge, Add</i>	131.13	
10 22 13 00-0025	EA		4' x 7' Swing Door, 10 Gauge With Cylinder Lock.....	662.74	180.85
			<i>For 8 Gauge, Add</i>	63.24	
			<i>For 6 Gauge, Add</i>	126.48	
10 22 13 00-0026	EA		4' x 8' Swing Door, 10 Gauge With Cylinder Lock.....	706.67	189.90
			<i>For 8 Gauge, Add</i>	68.02	
			<i>For 6 Gauge, Add</i>	136.04	
10 22 13 00-0027	EA		4' x 9' Swing Door, 10 Gauge With Cylinder Lock.....	738.77	198.94
			<i>For 8 Gauge, Add</i>	71.03	
			<i>For 6 Gauge, Add</i>	142.06	
10 22 13 00-0028	EA		4' x 7' Dutch Door, 10 Gauge With Cylinder Lock	830.78	180.85
			<i>For 8 Gauge, Add</i>	88.45	
			<i>For 6 Gauge, Add</i>	176.89	
10 22 13 00-0029	EA		4' x 8' Dutch Door, 10 Gauge With Cylinder Lock	879.97	189.90
			<i>For 8 Gauge, Add</i>	94.02	
			<i>For 6 Gauge, Add</i>	188.03	
10 22 13 00-0030			Double Swing Doors <small>(10 22 13 00-0020)</small>		
10 22 13 00-0031	EA		6' x 7' Double Swing Door, 10 Gauge With Cylinder Lock	903.04	226.07
			<i>For 8 Gauge, Add</i>	90.24	
			<i>For 6 Gauge, Add</i>	180.48	
10 22 13 00-0032	EA		6' x 8' Double Swing Door, 10 Gauge With Cylinder Lock	930.16	239.63
			<i>For 8 Gauge, Add</i>	91.60	
			<i>For 6 Gauge, Add</i>	183.20	



Specialties	10	10
Interior Specialties	10 20	
Partitions	10 22	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 22 13 00-0033 EA 6' x 9' Double Swing Door, 10 Gauge With Cylinder Lock <i>For 8 Gauge, Add</i> <i>For 6 Gauge, Add</i>	1,223.44 132.88 265.75	253.20
10 22 13 00-0034 EA 8 x 7' Double Swing Door, 10 Gauge With Cylinder Lock <i>For 8 Gauge, Add</i> <i>For 6 Gauge, Add</i>	993.46 94.76 189.53	271.29
10 22 13 00-0035 EA 8 x 8' Double Swing Door, 10 Gauge With Cylinder Lock <i>For 8 Gauge, Add</i> <i>For 6 Gauge, Add</i>	1,020.59 96.12 192.24	284.85
10 22 13 00-0036 EA 8 x 9' Double Swing Door, 10 Gauge With Cylinder Lock <i>For 8 Gauge, Add</i> <i>For 6 Gauge, Add</i>	1,313.87 137.40 274.80	298.41
10 22 19 Demountable Partitions (10 22)		
10 22 19 13 Demountable Metal Partitions (10 22 19)		
10 22 19 13-0001 LF Demountable Partition, 1.75 System, Aluminum Framed, Vinyl Clad Hardboard, Paper Honeycomb Core, 1.75"/2.5" <i>For >9, Add 11.55</i>	92.36	14.37
10 22 19 13-0002 LF Demountable Partition, 1.75 System, Aluminum Frame, Vinyl Clad Hardboard, Paper Honeycomb Core, 1.75"/2.5" <i>For >9, Add 10.03</i>	80.25	11.44
10 22 19 13-0003 LF Demountable Partition, 1.75 System, Aluminum Frame, Vinyl Clad Hardboard, Paper Honeycomb Core, 1.75"/2.5" <i>For >9, Add 8.52</i>	68.16	8.60
10 22 19 13-0004 LF Demountable Partition, Moveable Steel Wall, Mod System, Unitized Panel, 9' High, 48" Wide, Backed Enamel <i>For >9, Add 20.62</i>	164.96	11.44
10 22 19 13-0005 LF Demountable Partition, Moveable Steel Wall, Mod System, Unitized Panels, 9' High, 48" Wide, Fabric <i>For >9, Add 30.28</i>	242.20	12.30
10 22 19 43 Demountable Composite Partitions (10 22 19)		
10 22 19 43-0001 LF Demountable Partition, Mineral Fiber System, Unitized Panel, 9' High, 2-1/4" Thick, Aluminum Frame, Vinyl Clad <i>For >9, Add 17.11</i>	136.89	14.37
10 22 19 43-0002 LF Demountable Partition, Mineral Fiber System, Unitized Panel, 9' High, 2-1/4" Thick, Aluminum Frame, Fabric Clad <i>For >9, Add 21.22</i>	169.76	15.65
10 22 19 43-0003 SF Partition, Trackless Wall, Cork Finish, Semi-Acoustic, 1-5/8" Thick <i>For Acoustical Partitions, Add</i>	28.10 2.39	2.15
10 22 19 43-0004 SF Partition, Trackless Wall, Cork Finish, Semi-Acoustic, 1-5/8" Thick <i>For Acoustical Partitions, Add</i>	35.87 2.86	3.61
10 22 19 43-0005 SF Partition, Trackless Wall, Cork Finish, Acoustic, 2" Thick <i>For Acoustical Partitions, Add</i>	29.97 2.55	2.23
10 22 19 43-0006 SF Partition, Trackless Wall, Cork Finish, Acoustic, 2" Thick <i>For Acoustical Partitions, Add</i>	42.74 3.66	3.10
10 22 19 53 Demountable Gypsum Partitions (10 22 19)		
10 22 19 53-0001 LF Demountable Partition Gypsum System, 2" To 2.5" Steel Standard, 9' High, 3" To 3-3/4" Thick, Vinyl Clad <i>For >9, Add 11.78</i>	94.27	14.37
10 22 19 53-0002 LF Demountable Partition Gypsum System, 2" To 2.5" Steel Standard, 9' High, 3" To 3-3/4" Thick, Fabric Clad <i>For >9, Add 20.52</i>	164.18	15.65
10 22 19 53-0003 LF Demountable Partition Gypsum System, On 2" To 2-1/2", Steel Standard, 9' High, 3" To 3-3/4" Thick <i>For >9, Add 22.06</i>	176.48	17.20
10 22 19 53-0004 LF Demountable Partition Gypsum System, Unitized Panel, 9' High, 2" To 2-1/2" Thick, Vinyl Clad <i>For >9, Add 14.13</i>	113.01	14.37
10 22 19 53-0005 LF Demountable Partition Gypsum System, Unitized Panel, 9' High, 2" To 2-1/2" Thick, Fabric Clad <i>For >9, Add 22.81</i>	182.49	15.65
10 22 19 71 Remove And Store Demountable Partitions (10 22 19)		
10 22 19 71-0001 LF Removal, Storage And Reinstallation Of Up To 10' Demountable Partitions	63.30	
10 22 23 Portable Partitions, Screens, And Panels (10 22)		
Note: Cubicle prices include standard units, standard height glass and glazing. For 25 percent and 50 percent glass 1/4" plate glass is used. For 100 percent glass 1/4" tempered plate is used.		
10 22 23 00-0001 Portable Partitions (10 22 23)		
10 22 23 00-0002 LF Partition, Portable, Divided Panel, Freestanding, Fiber Core, Fabric Face Straight, 3'-0" Long, 4' High	164.98	6.88
10 22 23 00-0003 LF Partition, Portable, Divided Panel, Freestanding, Fiber Core, Fabric Face Straight, 3'-0" Long, 5' High	176.06	7.65
10 22 23 00-0004 LF Partition, Portable, Divided Panel, Freestanding, Fiber Core, Fabric Face Straight, 3'-0" Long, 6' High	209.37	9.20
10 22 23 00-0005 LF Partition, Portable, Divided Panel, Freestanding, Fiber Core, Fabric Face Straight, 5'-0" Long, 4' High	120.88	3.96
10 22 23 00-0006 LF Partition, Portable, Divided Panel, Freestanding, Fiber Core, Fabric Face Straight, 5'-0" Long, 5' High	128.56	4.56
10 22 23 00-0007 LF Partition, Portable, Divided Panel, Freestanding, Fiber Core, Fabric Face Straight, 5'-0" Long, 6' High	144.72	5.51
10 22 23 00-0008 LF Partition, Portable, Divided Panel, Freestanding, Fiber Core, Fabric Face Straight, 6'-0" Long, 5' High	123.11	4.22
10 22 23 00-0009 LF Partition, Portable, Divided Panel, Freestanding, Fiber Core, Fabric Face Curved, 3'-0" Long, 5' High	219.04	7.65
10 22 23 00-0010 LF Partition, Portable, Divided Panel, Freestanding, Fiber Core, Fabric Face Curved, 3'-0" Long, 6' High	241.20	9.20
10 22 23 00-0011 LF Partitions, Portable, Economical Panels, Fabric Face, 4'-0" Long, 5' High	128.22	5.25
10 22 23 00-0012 LF Partitions, Portable, Economical Panels, Fabric Face, 4'-0" Long, 6' High	145.99	6.11
10 22 23 00-0013 LF Partitions, Portable, Economical Panels, Fabric Face, 5'-0" Long, 5' High	117.41	4.56
10 22 23 00-0014 LF Partitions, Portable, Economical Panels, Fabric Face, 5'-0" Long, 6' High	131.99	5.51
10 22 23 00-0015 LF Partitions, Portable, Economical Panels, Fabric Face, 3'-0" Curved, 5' High	195.16	7.65



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 22 23 00-0016	LF		Partitions, Portable, Economical Panels, Fabric Face, 3'-0" Curved, 6' High.....	220.51	9.20
10 22 23 00-0017	LF		Partitions, Portable, Acoustic Panels, 60 To 90 NRC, 3'-0" Long, 5' High.....	198.35	7.65
10 22 23 00-0018	LF		Partitions, Portable, Acoustic Panels, 60 To 90 NRC, 3'-0" Long, 6' High.....	241.20	9.20
10 22 23 00-0019	LF		Partitions, Portable, Acoustic Panels, 60 To 90 NRC, 5'-0" Long, 5' High.....	152.43	4.56
10 22 23 00-0020	LF		Partitions, Portable, Acoustic Panels, 60 To 90 NRC, 5'-0" Long, 6' High.....	171.78	5.51
10 22 23 00-0021	LF		Partitions, Portable, Acoustic Panels, 60 To 90 NRC, 6'-0" Long, 5' High.....	160.52	4.22
10 22 23 00-0022	LF		Partitions, Portable, Acoustic Panels, 60 To 90 NRC, 6'-0" Long, 6' High.....	191.44	4.99
10 22 23 00-0023	LF		Partitions, Portable, Economical Acoustic Panels, 40 NRC, 4'-0" Long, 5' High.....	94.80	5.25
10 22 23 00-0024	LF		Partitions, Portable, Economical Acoustic Panels, 40 NRC, 4'-0" Long, 6' High.....	111.77	6.11
10 22 23 00-0025	LF		Partitions, Portable, Economical Acoustic Panels, 40 NRC, 5'-0" Long, 6' High.....	100.95	5.51
10 22 23 00-0026	LF		Partitions, Portable, Economical Acoustic Panels, 40 NRC, 6'-0" Long, 5' High.....	73.76	4.22
10 22 23 00-0027	LF		Partitions, Portable, Metal Chalkboard, 6'-6" High, 1 Side.....	119.25	5.51
10 22 23 00-0028	LF		Partitions, Portable, Metal Chalkboard, 2 Sides.....	135.63	5.76
10 22 23 00-0029	LF		Partitions, Portable, Tackboard, Both Sides.....	109.87	5.59

10 22 33 Accordion Folding Partitions (10 22)

10 22 33 00-0001	Accordion Doors/Partitions (10 22 33)				
	Note: Includes top support track and assembled panels.				
10 22 33 00-0002	SF	15 STC, Accordion Door/Partition With Standard Vinyl Finish (Hufcor® 1500).....	43.51		4.26
		<i>For <135, Add</i>	8.70		
10 22 33 00-0003	SF	20 STC, Accordion Door/Partition With Standard Vinyl Finish (Hufcor® 2000).....	44.28		4.40
		<i>For <135, Add</i>	8.86		
10 22 33 00-0004	SF	31 STC Rating, Accordion Door/Partition With Standard Vinyl Finish (Hufcor® 3100).....	46.29		4.54
		<i>For <135, Add</i>	9.26		
10 22 33 00-0005	SF	35 STC Rating, Accordion Door/Partition With Standard Vinyl Finish (Hufcor® 3500).....	48.93		4.69
		<i>For <135, Add</i>	9.79		
10 22 33 00-0006	SF	39 STC Rating, Accordion Door/Partition With Standard Vinyl Finish (Hufcor® 3900).....	49.86		4.82
		<i>For <135, Add</i>	9.97		
10 22 33 00-0007	SF	40 STC Rating, Accordion Door/Partition With Standard Vinyl Finish (Hufcor® 4000).....	50.58		4.97
		<i>For <135, Add</i>	10.12		
10 22 33 00-0008	SF	41 STC Rating, Accordion Door/Partition With Standard Vinyl Finish (Hufcor® 4100).....	51.29		5.10
		<i>For <135, Add</i>	10.26		
10 22 33 00-0009	SF	45 STC Rating, Accordion Door/Partition With Standard Vinyl Finish (Hufcor® 4500).....	52.32		5.40
		<i>For <135, Add</i>	10.46		

10 22 43 Sliding Partitions (10 22)

10 22 43 00-0001	Operable Wall (10 22 43)				
	Note: Includes top support track, assembled panel and frames.				
10 22 43 00-0002	SF	Up To 720 SF, 12' Height Continuously Hinged Electric Operable Wall, Vinyl Finish, Top And Bottom Sweep Seals, 47 STC Rating.....	71.62		7.11
		Note: Includes type 3 pocket door, two ADA pass doors, track and hardware. Hufcor 633E.			
		<i>For 51 STC, Add</i>	5.53		
10 22 43 00-0003	SF	>720 To 1,200 SF, 12 High Continuously Hinged Electric Operable Wall, Vinyl Finish, Top And Bottom Sweep Seals, 47 STC Rating.....	66.28		5.68
		Note: Includes type 3 pocket door, two ADA pass doors, track and hardware. Hufcor 633E.			
		<i>For 51 STC, Add</i>	5.42		
10 22 43 00-0004	SF	>1,200 SF, 12' High Continuously Hinged Electric Operable Wall, Vinyl Finish, Top And Bottom Sweep Seals, 47 STC Rating.....	62.36		4.73
		Note: Includes type 3 pocket door, two ADA pass doors, track and hardware. Hufcor 633E.			
		<i>For 51 STC, Add</i>	5.30		
10 22 43 00-0005	SF	Up To 1,080 SF, 18' High Continuously Hinged Electric Operable Wall, Vinyl Finish, Top And Bottom Sweep Seals, 47 STC Rating.....	60.74		4.98
		Note: Includes type 3 pocket door, two ADA pass doors, track and hardware. Hufcor 633E.			
		<i>For 51 STC, Add</i>	5.04		
10 22 43 00-0006	SF	>1,080 To 1,800 SF, 18' High Continuously Hinged Electric Operable Wall, Vinyl Finish, Top And Bottom Sweep Seals, 47 STC Rating.....	56.66		4.04
		Note: Includes type 3 pocket door, two ADA pass doors, track and hardware. Hufcor 633E.			
		<i>For 51 STC, Add</i>	4.90		
10 22 43 00-0007	SF	>1,800 SF, 18' High Continuously Hinged Electric Operable Wall, Vinyl Finish, Top And Bottom Sweep Seals, 47 STC Rating.....	54.31		3.62
		Note: Includes type 3 pocket door, two ADA pass doors, track and hardware. Hufcor 633E.			
		<i>For 51 STC, Add</i>	4.78		
10 22 43 00-0008	SF	Up To 1,440 SF, 24' High Continuously Hinged Electric Operable Wall, Vinyl Finish, Top And Bottom Sweep Seals, 47 STC Rating.....	53.79		3.91
		Note: Includes type 3 pocket door, two ADA pass doors, track and hardware. Hufcor 633E.			
		<i>For 51 STC, Add</i>	4.63		
10 22 43 00-0009	SF	>1,440 To 2,400 SF, 24' High Continuously Hinged Electric Operable Wall, Vinyl Finish, Top And Bottom Sweep Seals, 47 STC Rating.....	50.75		3.34
		Note: Includes type 3 pocket door, two ADA pass doors, track and hardware. Hufcor 633E.			
		<i>For 51 STC, Add</i>	4.48		
10 22 43 00-0010	SF	>2,400 SF, 24' High Continuously Hinged Electric Operable Wall, Vinyl Finish, Top And Bottom Sweep Seals, 47 STC Rating.....	48.64		2.99
		Note: Includes type 3 pocket door, two ADA pass doors, track and hardware. Hufcor 633E.			
		<i>For 51 STC, Add</i>	4.37		
10 22 43 00-0011	SF	Up To 160 SF, 10' Height Paired Panel Manual Operable Wall, Vinyl Finish, Top Sweep Seals And Mechanical Bottom Seals, 47 STC Rating.....	75.48		6.32
		Note: Includes type 3 pocket door, track and hardware. Hufcor 632.			
		<i>For 51 STC, Add</i>	6.22		



Specialties	10	10
Interior Specialties	10 20	
Partitions	10 22	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 22 43 00-0012	SF		>160 To 240 SF, 10' Height Paired Panel Manual Operable Wall, Vinyl Finish, Top Sweep Seals And Mechanical Bottom Seals, 47 STC Rating.....	69.42	4.81
			Note: Includes type 3 pocket door, track and hardware. Hufcor 632.		
			For 51 STC, Add	6.05	
10 22 43 00-0013	SF		>240 SF, 10' Height Paired Panel Manual Operable Wall, Vinyl Finish, Top Sweep Seals And Mechanical Bottom Seals, 47 STC Rating.....	65.88	4.04
			Note: Includes type 3 pocket door, track and hardware. Hufcor 632.		
			For 51 STC, Add	5.91	
10 26 Wall And Door Protection (10 20)					
10 26 13 Corner Guards (10 26)					
10 26 13 00-0001			Vinyl Corner Guards (10 26 13)		
10 26 13 00-0002			Rigid Vinyl Corner Guards (10 26 13 00-0001)		
10 26 13 00-0003			Surface Mounted, Rigid Vinyl Corner Guards (10 26 13 00-0002)		
10 26 13 00-0004			90 Degree Angle, Surface Mounted, Rigid Vinyl Corner Guards (10 26 13 00-0003)		
10 26 13 00-0005	LF		3/4" Wing, 90 Degree Angle, Surface Mounted, Rigid Vinyl Corner Guard (Pawling CG-34).....	6.30	2.72
			For >50 To 100, Deduct	-1.13	
			For >100 To 200, Deduct	-1.58	
			For >200, Deduct	-2.12	
10 26 13 00-0006	LF		1-1/2" Wing, 90 Degree Angle, Surface Mounted, Rigid Vinyl Corner Guard (Pawling CG-12).....	6.73	2.72
			For >50 To 100, Deduct	-1.13	
			For >100 To 200, Deduct	-1.58	
			For >200, Deduct	-2.14	
10 26 13 00-0007	LF		3" Wing, 90 Degree Angle, Surface Mounted, Rigid Vinyl Corner Guard (Pawling CG-13).....	9.14	2.72
			For >50 To 100, Deduct	-1.13	
			For >100 To 200, Deduct	-1.58	
			For >200, Deduct	-2.26	
10 26 13 00-0008	LF		4" Wing, 90 Degree Angle, Surface Mounted, Rigid Vinyl Corner Guard (Pawling CG-14).....	12.16	2.72
			For >50 To 100, Deduct	-1.13	
			For >100 To 200, Deduct	-1.58	
			For >200, Deduct	-2.41	
10 26 13 00-0009			135 Degree Angle, Surface Mounted, Rigid Vinyl Corner Guards (10 26 13 00-0003)		
10 26 13 00-0010	LF		1-1/2" Wing, 135 Degree Angle, Surface Mounted, Rigid Vinyl Corner Guard (Pawling CG-1245).....	11.62	2.72
			For >50 To 100, Deduct	-1.13	
			For >100 To 200, Deduct	-1.58	
			For >200, Deduct	-2.39	
10 26 13 00-0011			Rigid Vinyl Corner Guards With Aluminum Retainers (10 26 13 00-0001)		
			Note: Includes closure caps.		
10 26 13 00-0012			Surface Mounted, Rigid Vinyl Corner Guards With Aluminum Retainers (10 26 13 00-0011)		
10 26 13 00-0013			90 Degree Angle, Surface Mounted, Rigid Vinyl Corner Guards With Aluminum Retainers (10 26 13 00-0012)		
10 26 13 00-0014	LF		2" Wing, 90 Degree Angle, Surface Mounted, Rigid Vinyl Corner Guard With Aluminum Retainer (Pawling CG-20).....	11.70	4.07
			For >50 To 100, Deduct	-1.70	
			For >100 To 200, Deduct	-2.37	
			For >200, Deduct	-3.30	
			For Recycled Vinyl Retainer, Deduct	-0.98	
10 26 13 00-0015	LF		3" Wing, 90 Degree Angle, Surface Mounted, Rigid Vinyl Corner Guard With Aluminum Retainer (Pawling CG-10).....	13.04	4.07
			For >50 To 100, Deduct	-1.70	
			For >100 To 200, Deduct	-2.37	
			For >200, Deduct	-3.36	
			For Recycled Vinyl Retainer, Deduct	-1.25	
10 26 13 00-0016	LF		Bullnose 3" Wing, 90 Degree Angle, Surface Mounted, Rigid Vinyl Corner Guard With Aluminum Retainer (Pawling CG-30).....	14.38	4.07
			For >50 To 100, Deduct	-1.70	
			For >100 To 200, Deduct	-2.37	
			For >200, Deduct	-3.43	
			For Recycled Vinyl Retainer, Deduct	-1.52	
10 26 13 00-0017			135 Degree Angle, Surface Mounted, Rigid Vinyl Corner Guards With Aluminum Retainers (10 26 13 00-0012)		
10 26 13 00-0018	LF		3" Wing, 135 Degree Angle, Surface Mounted, Rigid Vinyl Corner Guard With Aluminum Retainer (Pawling CG-135).....	16.89	4.07
			For >50 To 100, Deduct	-1.70	
			For >100 To 200, Deduct	-2.37	
			For >200, Deduct	-3.56	
			For Recycled Vinyl Retainer, Deduct	-2.02	

10	10	Specialties
	10 20	Interior Specialties
	10 26	Wall And Door Protection



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 26 13 00-0019 End Wall Protector, Surface Mounted, Rigid Vinyl Corner Guards With Aluminum Retainers <small>(10 26 13 00-0012)</small> Note: Includes two rigid vinyl corner guards with aluminum retainers and a vinyl wall covering filler strip inserted between guards.		
10 26 13 00-0020 LF 2" Wing, End Wall Protector, Surface Mounted, Rigid Vinyl Corner Guard With Aluminum Retainer (Pawling CG-11)	34.04	5.42
For >50 To 100, Deduct	-2.26	
For >100 To 200, Deduct	-3.16	
For >200, Deduct	-5.32	
For Recycled Vinyl Retainer, Deduct	-5.00	
10 26 13 00-0021 Flush Mounted, Rigid Vinyl Corner Guards With Aluminum Retainers <small>(10 26 13 00-0011)</small>		
10 26 13 00-0022 90 Degree Angle, Flush Mounted, Rigid Vinyl Corner Guards With Aluminum Retainers <small>(10 26 13 00-0021)</small>		
10 26 13 00-0023 LF 2" Wing, 90 Degree Angle, Flush Mounted, Rigid Vinyl Corner Guard With Aluminum Retainer (Pawling CG-72)	15.55	4.07
For >50 To 100, Deduct	-1.70	
For >100 To 200, Deduct	-2.37	
For >200, Deduct	-3.49	
For Up To 2 HR Fire Rated, Add	6.14	
10 26 13 00-0024 LF 3" Wing, 90 Degree Angle, Flush Mounted, Rigid Vinyl Corner Guard With Aluminum Retainer (Pawling CG-7)	18.74	4.07
For >50 To 100, Deduct	-1.70	
For >100 To 200, Deduct	-2.37	
For >200, Deduct	-3.65	
For Up To 2 HR Fire Rated, Add	8.37	
10 26 13 00-0025 LF Bullnose 3" Wing, 90 Degree Angle, Flush Mounted, Rigid Vinyl Corner Guard With Aluminum Retainer (Pawling CG-32)	17.37	4.07
For >50 To 100, Deduct	-1.70	
For >100 To 200, Deduct	-2.37	
For >200, Deduct	-3.58	
For Up To 2 HR Fire Rated, Add	7.41	
10 26 13 00-0026 135 Degree Angle, Flush Mounted, Rigid Vinyl Corner Guards With Aluminum Retainers <small>(10 26 13 00-0021)</small>		
10 26 13 00-0027 LF 3" Wing, 135 Degree Angle, Flush Mounted, Rigid Vinyl Corner Guard With Aluminum Retainer (Pawling CG-75)	20.09	4.07
For >50 To 100, Deduct	-1.70	
For >100 To 200, Deduct	-2.37	
For >200, Deduct	-3.72	
For Up To 2 HR Fire Rated, Add	9.32	
10 26 13 00-0028 End Wall Protector, Flush Mounted, Rigid Vinyl Corner Guards With Aluminum Retainers <small>(10 26 13 00-0021)</small> Note: Includes two rigid vinyl corner guards with aluminum retainers and a vinyl wall covering filler strip inserted between guards.		
10 26 13 00-0029 LF 2" Wing, End Wall Protector, Flush Mounted, Rigid Vinyl Corner Guard With Aluminum Retainer (Pawling CG-888)	42.04	5.42
For >50 To 100, Deduct	-2.26	
For >100 To 200, Deduct	-3.16	
For >200, Deduct	-5.72	
For Up To 2 HR Fire Rated, Add	23.10	
10 26 13 00-0030 Flexible Vinyl Corner Guards <small>(10 26 13 00-0001)</small> Note: Includes adhesive for installation.		
10 26 13 00-0031 Surface Mounted, Flexible Vinyl Corner Guards <small>(10 26 13 00-0030)</small>		
10 26 13 00-0032 90 Degree Angle, Surface Mounted, Flexible Vinyl Corner Guards <small>(10 26 13 00-0031)</small>		
10 26 13 00-0033 LF 1-3/4" Wing, 90 Degree Angle, Surface Mounted, Flexible Vinyl Corner Guard (Pawling CG-9)	8.65	2.72
For >50 To 100, Deduct	-1.13	
For >100 To 200, Deduct	-1.58	
For >200, Deduct	-2.24	
For Bolting To Concrete Or Masonry, Add	1.97	
10 26 13 00-0034 LF 2-1/2" Wing, 90 Degree Angle, Surface Mounted, Flexible Vinyl Corner Guard (Pawling CG-3)	11.04	2.72
For >50 To 100, Deduct	-1.13	
For >100 To 200, Deduct	-1.58	
For >200, Deduct	-2.36	
For Bolting To Concrete Or Masonry, Add	2.33	
10 26 13 00-0035 LF 4" Wing, 90 Degree Angle, Surface Mounted, Flexible Vinyl Corner Guard (Pawling CG-15)	12.98	2.72
For >50 To 100, Deduct	-1.13	
For >100 To 200, Deduct	-1.58	
For >200, Deduct	-2.45	
For Bolting To Concrete Or Masonry, Add	2.62	
10 26 13 00-0036 Polycarbonate Corner Guards <small>(10 26 13)</small>		
10 26 13 00-0037 Surface Mounted, Polycarbonate Corner Guards <small>(10 26 13 00-0036)</small>		
10 26 13 00-0038 90 Degree Angle, Surface Mounted, Polycarbonate Corner Guards <small>(10 26 13 00-0037)</small>		



Specialties	10
Interior Specialties	10 20
Wall And Door Protection	10 26

10

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 26 13 00-0039 LF 3/4" Wing, 90 Degree Angle, Surface Mounted, Polycarbonate Corner Guard (Pawling CG-16)	5.76	2.72
For >50 To 100, Deduct	-1.13	
For >100 To 200, Deduct	-1.58	
For >200, Deduct	-2.09	
10 26 13 00-0040 LF 1-1/8" Wing, 90 Degree Angle, Surface Mounted, Polycarbonate Corner Guard (Pawling CG-17)	6.93	2.72
For >50 To 100, Deduct	-1.13	
For >100 To 200, Deduct	-1.58	
For >200, Deduct	-2.15	
10 26 13 00-0041 LF 2" Wing, 90 Degree Angle, Surface Mounted, Polycarbonate Corner Guard (Pawling CG-24)	8.30	2.72
For >50 To 100, Deduct	-1.13	
For >100 To 200, Deduct	-1.58	
For >200, Deduct	-2.22	
10 26 13 00-0042 LF 2-1/2" Wing, 90 Degree Angle, Surface Mounted, Polycarbonate Corner Guard (Pawling CG-18)	9.12	2.72
For >50 To 100, Deduct	-1.13	
For >100 To 200, Deduct	-1.58	
For >200, Deduct	-2.26	
10 26 13 00-0043 LF Bullnose 2-1/2" Wing, 90 Degree Angle, Surface Mounted, Polycarbonate Corner Guard (Pawling CG-23)	8.82	2.72
For >50 To 100, Deduct	-1.13	
For >100 To 200, Deduct	-1.58	
For >200, Deduct	-2.25	
10 26 13 00-0044 135 Degree Angle, Surface Mounted, Polycarbonate Corner Guards (10 26 13 00-0037)		
10 26 13 00-0045 LF 2-1/2" Wing, 135 Degree Angle, Surface Mounted, Polycarbonate Corner Guard (Pawling CG-19)	9.12	2.72
For >50 To 100, Deduct	-1.13	
For >100 To 200, Deduct	-1.58	
For >200, Deduct	-2.26	
10 26 13 00-0046 Aluminum Corner Guards (10 26 13)		
10 26 13 00-0047 Surface Mounted, Aluminum Corner Guards (10 26 13 00-0046)		
10 26 13 00-0048 90 Degree Angle, Surface Mounted, Aluminum Corner Guards (10 26 13 00-0047)		
10 26 13 00-0049 LF 1" Wing, 90 Degree Angle, Surface Mounted, Aluminum Corner Guard (Pawling CG-400)	8.14	2.72
For >50 To 100, Deduct	-1.13	
For >100 To 200, Deduct	-1.58	
For >200, Deduct	-2.21	
10 26 13 00-0050 LF 2" Wing, 90 Degree Angle, Surface Mounted, Aluminum Corner Guard (Pawling CG-401)	9.72	2.72
For >50 To 100, Deduct	-1.13	
For >100 To 200, Deduct	-1.58	
For >200, Deduct	-2.29	
10 26 13 00-0051 LF 3" Wing, 90 Degree Angle, Surface Mounted, Aluminum Corner Guard (Pawling CG-402)	10.70	2.72
For >50 To 100, Deduct	-1.13	
For >100 To 200, Deduct	-1.58	
For >200, Deduct	-2.34	
10 26 13 00-0052 135 Degree Angle, Surface Mounted, Aluminum Corner Guards (10 26 13 00-0047)		
10 26 13 00-0053 LF 1" Wing, 135 Degree Angle, Surface Mounted, Aluminum Corner Guard (Pawling CG-403)	8.14	2.72
For >50 To 100, Deduct	-1.13	
For >100 To 200, Deduct	-1.58	
For >200, Deduct	-2.21	
10 26 13 00-0054 LF 2" Wing, 135 Degree Angle, Surface Mounted, Aluminum Corner Guard (Pawling CG-404)	9.72	2.72
For >50 To 100, Deduct	-1.13	
For >100 To 200, Deduct	-1.58	
For >200, Deduct	-2.29	
10 26 13 00-0055 LF 3" Wing, 135 Degree Angle, Surface Mounted, Aluminum Corner Guard (Pawling CG-405)	10.70	2.72
For >50 To 100, Deduct	-1.13	
For >100 To 200, Deduct	-1.58	
For >200, Deduct	-2.34	
10 26 13 00-0056 Steel Corner Guards (10 26 13)		
10 26 13 00-0057 Steel Angle Iron, Corner Guards (10 26 13 00-0056)		
10 26 13 00-0058 Surface Mounted, Steel Angle Iron, Corner Guards (10 26 13 00-0057)		
10 26 13 00-0059 90 Degree Angle, Surface Mounted, Steel Angle Iron, Corner Guards (10 26 13 00-0058)		
10 26 13 00-0060 LF 1" x 1" x 1/4", 90 Degree Angle, Surface Mounted, Steel Angle Iron, Corner Guard	10.55	3.26
For Galvanizing, Add	1.80	
For >50 To 100, Deduct	-1.36	
For >100 To 200, Deduct	-1.90	
For >200, Deduct	-2.70	
10 26 13 00-0061 LF 2" x 2" x 1/4", 90 Degree Angle, Surface Mounted, Steel Angle Iron, Corner Guard	13.35	3.53
For Galvanizing, Add	2.62	
For >50 To 100, Deduct	-1.47	
For >100 To 200, Deduct	-2.05	
For >200, Deduct	-3.02	
10 26 13 00-0062 LF 2" x 3" x 1/4", 90 Degree Angle, Surface Mounted, Steel Angle Iron, Corner Guard	14.19	3.66
For Galvanizing, Add	2.83	
For >50 To 100, Deduct	-1.53	
For >100 To 200, Deduct	-2.14	
For >200, Deduct	-3.15	

10 Specialties**10 20 Interior Specialties****10 26 Wall And Door Protection**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 26 13 00-0063	LF		3" x 3" x 1/4", 90 Degree Angle, Surface Mounted, Steel Angle Iron, Corner Guard <i>For Galvanizing, Add</i> <i>For >50 To 100, Deduct</i> <i>For >100 To 200, Deduct</i> <i>For >200, Deduct</i>	14.53 2.87 -1.58 -2.22 -3.26	3.80
10 26 13 00-0064	LF		3" x 4" x 1/4", 90 Degree Angle, Surface Mounted, Steel Angle Iron, Corner Guard <i>For Galvanizing, Add</i> <i>For >50 To 100, Deduct</i> <i>For >100 To 200, Deduct</i> <i>For >200, Deduct</i>	18.02 4.01 -1.64 -2.30 -3.53	3.93
10 26 13 00-0065	LF		4" x 4" x 1/4", 90 Degree Angle, Surface Mounted, Steel Angle Iron, Corner Guard <i>For Galvanizing, Add</i> <i>For >50 To 100, Deduct</i> <i>For >100 To 200, Deduct</i> <i>For >200, Deduct</i>	21.52 5.16 -1.70 -2.37 -3.79	4.07
10 26 13 00-0066	LF		6" x 6" x 1/4", 90 Degree Angle, Surface Mounted, Steel Angle Iron, Corner Guard <i>For Galvanizing, Add</i> <i>For >50 To 100, Deduct</i> <i>For >100 To 200, Deduct</i> <i>For >200, Deduct</i>	36.54 9.63 -2.26 -3.16 -5.44	5.42
10 26 13 00-0067			Stainless Steel Corner Guards <small>(10 26 13)</small>		
10 26 13 00-0068			Stainless Steel Corner Guards <small>(10 26 13 00-0067)</small> Note: Includes 16 gauge, type 304 stainless steel corner guards with #4 satin finish.		
10 26 13 00-0069			Surface Mounted, Stainless Steel Corner Guards <small>(10 26 13 00-0068)</small>		
10 26 13 00-0070			90 Degree Angle, Surface Mounted, Stainless Steel Corner Guards <small>(10 26 13 00-0069)</small>		
10 26 13 00-0071	LF		1" Wing, 90 Degree Angle, Surface Mounted, Stainless Steel Corner Guard (Pawling CG-520)..... <i>For >50 To 100, Deduct</i> <i>For >100 To 200, Deduct</i> <i>For >200, Deduct</i>	9.04 -1.13 -1.58 -2.26	2.72
10 26 13 00-0072	LF		2" Wing, 90 Degree Angle, Surface Mounted, Stainless Steel Corner Guard (Pawling CG-510)..... <i>For >50 To 100, Deduct</i> <i>For >100 To 200, Deduct</i> <i>For >200, Deduct</i>	10.43 -1.13 -1.58 -2.33	2.72
10 26 13 00-0073	LF		3-1/2" Wing, 90 Degree Angle, Surface Mounted, Stainless Steel Corner Guard (Pawling CG-500) <i>For >50 To 100, Deduct</i> <i>For >100 To 200, Deduct</i> <i>For >200, Deduct</i>	14.06 -1.13 -1.58 -2.51	2.72
10 26 13 00-0074	LF		Bullnose 3-1/2" Wing, 90 Degree Angle, Surface Mounted, Stainless Steel Corner Guard (Pawling CG-550)..... <i>For >50 To 100, Deduct</i> <i>For >100 To 200, Deduct</i> <i>For >200, Deduct</i>	14.06 -1.13 -1.58 -2.51	2.72
10 26 13 00-0075			135 Degree Angle, Surface Mounted, Stainless Steel Corner Guards <small>(10 26 13 00-0069)</small>		
10 26 13 00-0076	LF		3-1/2" Wing, 135 Degree Angle, Surface Mounted, Stainless Steel Corner Guard (Pawling CG-600) <i>For >50 To 100, Deduct</i> <i>For >100 To 200, Deduct</i> <i>For >200, Deduct</i>	14.06 -1.13 -1.58 -2.51	2.72
10 26 13 00-0077	LF		Bullnose 3-1/2" Wing, 135 Degree Angle, Surface Mounted, Stainless Steel Corner Guard (Pawling CG-650)..... <i>For >50 To 100, Deduct</i> <i>For >100 To 200, Deduct</i> <i>For >200, Deduct</i>	14.06 -1.13 -1.58 -2.51	2.72
10 26 13 00-0078			Stainless Steel Angle Iron, Corner Guards <small>(10 26 13 00-0067)</small>		
10 26 13 00-0079			Surface Mounted, Stainless Steel Angle Iron, Corner Guards <small>(10 26 13 00-0078)</small>		
10 26 13 00-0080			90 Degree Angle, Surface Mounted, Stainless Steel Angle Iron, Corner Guards <small>(10 26 13 00-0079)</small>		
10 26 13 00-0081	LF		1" x 1" x 1/4", 90 Degree Angle, Surface Mounted, Stainless Steel Angle Iron, Corner Guard..... <i>For >50 To 100, Deduct</i> <i>For >100 To 200, Deduct</i> <i>For >200, Deduct</i>	17.26 -1.36 -1.90 -3.03	3.26
10 26 13 00-0082	LF		2" x 2" x 1/4", 90 Degree Angle, Surface Mounted, Stainless Steel Angle Iron, Corner Guard..... <i>For >50 To 100, Deduct</i> <i>For >100 To 200, Deduct</i> <i>For >200, Deduct</i>	28.32 -1.47 -2.05 -3.76	3.53
10 26 13 00-0083	LF		2" x 3" x 1/4", 90 Degree Angle, Surface Mounted, Stainless Steel Angle Iron, Corner Guard..... <i>For >50 To 100, Deduct</i> <i>For >100 To 200, Deduct</i> <i>For >200, Deduct</i>	39.34 -1.53 -2.14 -4.41	3.66
10 26 13 00-0084	LF		3" x 3" x 1/4", 90 Degree Angle, Surface Mounted, Stainless Steel Angle Iron, Corner Guard..... <i>For >50 To 100, Deduct</i> <i>For >100 To 200, Deduct</i> <i>For >200, Deduct</i>	36.81 -1.58 -2.22 -4.37	3.80
10 26 13 00-0085	LF		3" x 4" x 1/4", 90 Degree Angle, Surface Mounted, Stainless Steel Angle Iron, Corner Guard..... <i>For >50 To 100, Deduct</i> <i>For >100 To 200, Deduct</i> <i>For >200, Deduct</i>	52.32 -1.64 -2.30 -5.24	3.93



Specialties	10	10
Interior Specialties	10 20	
Wall And Door Protection	10 26	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 26	13 00-0086	LF	4" x 4" x 1/4", 90 Degree Angle, Surface Mounted, Stainless Steel Angle Iron, Corner Guard..... <i>For >50 To 100, Deduct</i> <i>For >100 To 200, Deduct</i> <i>For >200, Deduct</i>	48.41 -1.70 -2.37 -5.13	4.07
10 26	13 00-0087		Rubber Corner Guards (10 26 13) Note: Includes adhesive for installation.		
10 26	13 00-0088		Natural Rubber Corner Guards (10 26 13 00-0087)		
10 26	13 00-0089		Surface Mounted, Natural Rubber Corner Guards (10 26 13 00-0088)		
10 26	13 00-0090		90 Degree Angle, Surface Mounted, Natural Rubber Corner Guards (10 26 13 00-0089)		
10 26	13 00-0091	LF	4-3/4" Wing, 90 Degree Angle, Surface Mounted, Natural Rubber Corner Guard (Pawling CG-5)..... <i>For >50 To 100, Deduct</i> <i>For >100 To 200, Deduct</i> <i>For >200, Deduct</i> <i>For Bolting To Concrete Or Masonry, Add</i>	40.36 -1.13 -1.58 -3.82 6.73	2.72
10 26	13 00-0092		Styrene-Butadiene Rubber (SBR) Corner Guards (10 26 13 00-0087)		
10 26	13 00-0093		Surface Mounted, Styrene-Butadiene Rubber (SBR) Corner Guards (10 26 13 00-0092)		
10 26	13 00-0094		90 Degree Angle, Surface Mounted, Styrene-Butadiene Rubber (SBR) Corner Guards (10 26 13 00-0093)		
10 26	13 00-0095	LF	4-5/8" Wing, 90 Degree Angle, Surface Mounted, Styrene-Butadiene Rubber (SBR) Corner Guard (Pawling CG-2)..... <i>For >50 To 100, Deduct</i> <i>For >100 To 200, Deduct</i> <i>For >200, Deduct</i> <i>For Bolting To Concrete Or Masonry, Add</i>	18.28 -1.13 -1.58 -2.72 3.42	2.72
10 26	13 00-0096		Ethylene Propylene Diene Monomer (EPDM) Rubber Corner Guards (10 26 13 00-0087)		
10 26	13 00-0097		Surface Mounted, Ethylene Propylene Diene Monomer (EPDM) Rubber Corner Guards (10 26 13 00-0096)		
10 26	13 00-0098		90 Degree Angle, Surface Mounted, Ethylene Propylene Diene Monomer (EPDM) Rubber Corner Guards (10 26 13 00-0097)		
10 26	13 00-0099	LF	4-5/8" Wing, 90 Degree Angle, Surface Mounted, Ethylene Propylene Diene Monomer (EPDM) Rubber Corner Guard (Pawling CG-2E)..... <i>For >50 To 100, Deduct</i> <i>For >100 To 200, Deduct</i> <i>For >200, Deduct</i> <i>For Bolting To Concrete Or Masonry, Add</i>	16.07 -1.13 -1.58 -2.61 3.09	2.72
10 26 16			Bumper Guards (10 26)		
10 26 16 13			Bumper Rails (10 26 16)		
10 26	16 13-0001		Crash Rails (10 26 16 13) Note: Includes end caps.		
10 26	16 13-0002		Polycarbonate Crash Rails (10 26 16 13-0001)		
10 26	16 13-0003	LF	3" High, 5/16" Deep, Polycarbonate Crash Rail (Pawling CR-3)..... <i>For >50 To 100, Deduct</i> <i>For >100 To 200, Deduct</i> <i>For >200, Deduct</i>	10.15 -1.81 -2.53 -3.40	3.62
10 26	16 13-0004	LF	4" High, 5/16" Deep, Polycarbonate Crash Rail (Pawling CR-4)..... <i>For >50 To 100, Deduct</i> <i>For >100 To 200, Deduct</i> <i>For >200, Deduct</i>	11.19 -1.81 -2.53 -3.45	3.62
10 26	16 13-0005		Aluminum Crash Rails (10 26 16 13-0001)		
10 26	16 13-0006	LF	4" High, 3-1/4" Deep, Aluminum Crash Rail (Pawling CRA-100)..... <i>For >50 To 100, Deduct</i> <i>For >100 To 200, Deduct</i> <i>For >200, Deduct</i>	29.23 -1.81 -2.53 -4.35	3.62
10 26	16 13-0007		Stainless Steel Crash Rails (10 26 16 13-0001)		
10 26	16 13-0008	LF	4" High, 3-1/4" Deep, Stainless Steel Crash Rail (Pawling CRS-100)..... <i>For >50 To 100, Deduct</i> <i>For >100 To 200, Deduct</i> <i>For >200, Deduct</i>	51.23 -1.81 -2.53 -5.45	3.62
10 26	16 13-0009	LF	5-1/2" High, 1-1/2" Deep, Stainless Steel Crash Rail (Pawling CRS-200)..... <i>For >50 To 100, Deduct</i> <i>For >100 To 200, Deduct</i> <i>For >200, Deduct</i>	40.23 -1.81 -2.53 -4.90	3.62

10 Specialties**10 20 Interior Specialties****10 26 Wall And Door Protection**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 26 16 13-0010			Wall Guards <small>(10 26 16 13)</small>		
10 26 16 13-0011			Rigid Vinyl Wall Guards With Aluminum Retainers <small>(10 26 16 13-0010)</small>		
			Note: Includes end caps.		
10 26 16 13-0012	LF		1-1/2" High, 1-1/2" Deep, Flat, Rigid Vinyl Wall Guard With Aluminum Retainer (Pawling WG-1).....	10.46	3.17
			For >50 To 100, Deduct	-1.58	
			For >100 To 200, Deduct	-2.22	
			For >200, Deduct	-3.06	
10 26 16 13-0013	LF		3" High, 1" Deep, Flat, Rigid Vinyl Wall Guard With Aluminum Retainer (Pawling WG-3).....	12.71	3.62
			For >50 To 100, Deduct	-1.81	
			For >100 To 200, Deduct	-2.53	
			For >200, Deduct	-3.53	
10 26 16 13-0014	LF		4" High, 3/4" Deep, Flat, Rigid Vinyl Wall Guard With Aluminum Retainer (Pawling WG-4).....	13.74	3.62
			For >50 To 100, Deduct	-1.81	
			For >100 To 200, Deduct	-2.53	
			For >200, Deduct	-3.58	
10 26 16 13-0015	LF		5" High, 1-1/16" Deep, Curved, Rigid Vinyl Wall Guard With Aluminum Retainer (Pawling WG-5).....	14.29	3.62
			For >50 To 100, Deduct	-1.81	
			For >100 To 200, Deduct	-2.53	
			For >200, Deduct	-3.61	
10 26 16 13-0016	LF		6" High, 1" Deep, Flat, Rigid Vinyl Wall Guard With Aluminum Retainer (Pawling WG-6).....	16.89	3.84
			For >50 To 100, Deduct	-1.92	
			For >100 To 200, Deduct	-2.69	
			For >200, Deduct	-3.92	
10 26 16 13-0017	LF		8" High, 1-1/16" Deep, Curved, Rigid Vinyl Wall Guard With Aluminum Retainer (Pawling WG-7).....	17.12	3.84
			For >50 To 100, Deduct	-1.92	
			For >100 To 200, Deduct	-2.69	
			For >200, Deduct	-3.93	
10 26 16 13-0018	LF		7-3/4" High, 1" Deep, Flat, Rigid Vinyl Wall Guard With Aluminum Retainer (Pawling WG-8).....	17.62	3.84
			For >50 To 100, Deduct	-1.92	
			For >100 To 200, Deduct	-2.69	
			For >200, Deduct	-3.95	
10 26 16 13-0019	LF		12" High, 2" Deep, Flat, Rigid Vinyl Wall Guard With Aluminum Retainer (Pawling WG-12).....	21.16	4.07
			For >50 To 100, Deduct	-2.03	
			For >100 To 200, Deduct	-2.85	
			For >200, Deduct	-4.31	
10 26 16 13-0020			Rubber Wall Guards <small>(10 26 16 13-0010)</small>		
10 26 16 13-0021			D-Shaped, Rubber Wall Guards <small>(10 26 16 13-0020)</small>		
10 26 16 13-0022	LF		2" High, 1-3/4" Deep, D-Shaped, Rubber Wall Guard (Pawling D-2).....	13.97	3.17
			For >50 To 100, Deduct	-1.58	
			For >100 To 200, Deduct	-2.22	
			For >200, Deduct	-3.23	
10 26 16 13-0023	LF		3" High, 3" Deep, D-Shaped, Rubber Wall Guard (Pawling D-3).....	20.43	3.62
			For >50 To 100, Deduct	-1.81	
			For >100 To 200, Deduct	-2.53	
			For >200, Deduct	-3.91	
10 26 16 13-0024	LF		4" High, 4-1/4" Deep, D-Shaped, Rubber Wall Guard (Pawling D-4).....	29.95	3.62
			For >50 To 100, Deduct	-1.81	
			For >100 To 200, Deduct	-2.53	
			For >200, Deduct	-4.39	
10 26 16 13-0025	LF		6" High, 6" Deep, D-Shaped, Rubber Wall Guard (Pawling D-6).....	41.93	3.62
			For >50 To 100, Deduct	-1.81	
			For >100 To 200, Deduct	-2.53	
			For >200, Deduct	-4.99	
10 26 16 13-0026			Rectangular, Rubber Wall Guards <small>(10 26 16 13-0020)</small>		
10 26 16 13-0027	LF		8" High, 1-1/2" Deep, Rectangular, Rubber Wall Guard (Pawling E-1).....	32.04	3.84
			For >50 To 100, Deduct	-1.92	
			For >100 To 200, Deduct	-2.69	
			For >200, Deduct	-4.67	
10 26 16 13-0028	LF		9" High, 2" Deep, Rectangular, Rubber Wall Guard (Pawling M-2).....	40.36	4.07
			For >50 To 100, Deduct	-2.03	
			For >100 To 200, Deduct	-2.85	
			For >200, Deduct	-5.27	
10 26 16 13-0029			Wing Type, Rubber Wall Guards <small>(10 26 16 13-0020)</small>		
10 26 16 13-0030	LF		6" High, 2" Deep, Wing Type, Rubber Wall Guard (Pawling WT-20).....	52.33	3.62
			For >50 To 100, Deduct	-1.81	
			For >100 To 200, Deduct	-2.53	
			For >200, Deduct	-5.51	
10 26 16 13-0031	LF		6" High, 3" Deep, Wing Type, Rubber Wall Guard (Pawling WT-30).....	55.63	3.62
			For >50 To 100, Deduct	-1.81	
			For >100 To 200, Deduct	-2.53	
			For >200, Deduct	-5.67	
10 26 16 13-0032	LF		3-7/8" High, 2-1/2" Deep, Wing Type, Rubber Wall Guard (Pawling WT-25).....	25.56	3.17
			For >50 To 100, Deduct	-1.58	
			For >100 To 200, Deduct	-2.22	
			For >200, Deduct	-3.81	



Specialties	10
Interior Specialties	10 20
Wall And Door Protection	10 26

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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 26 16 13-0033 U-Shaped, Rubber Wall Guards <small>(10 26 16 13-0020)</small>		
10 26 16 13-0034 LF 3-1/8" High, 3-7/8" Deep, U-Shaped, Rubber Wall Guard (Pawling U-4).....	44.26	3.84
For >50 To 100, Deduct	-1.92	
For >100 To 200, Deduct	-2.69	
For >200, Deduct	-5.29	
10 26 16 13-0035 LF 4-1/2" High, 3-1/2" Deep, U-Shaped, Rubber Wall Guard (Pawling U-3).....	49.48	3.84
For >50 To 100, Deduct	-1.92	
For >100 To 200, Deduct	-2.69	
For >200, Deduct	-5.55	
10 26 16 13-0036 Accent Rails <small>(10 26 16 13)</small>		
Note: Includes end caps.		
10 26 16 13-0037 Oval, Rigid Vinyl Accent Rails With Aluminum Retainers <small>(10 26 16 13-0036)</small>		
10 26 16 13-0038 LF 1-1/8" High, 1-1/16" Deep, Oval, Rigid Vinyl Accent Rail With Aluminum Retainer (Pawling EB-25)	12.25	3.17
For >50 To 100, Deduct	-1.58	
For >100 To 200, Deduct	-2.22	
For >200, Deduct	-3.14	
10 26 16 13-0039 LF 2" High, 1-1/8" Deep, Oval, Rigid Vinyl Accent Rail With Aluminum Retainer (Pawling EBR-30)	14.53	3.17
For >50 To 100, Deduct	-1.58	
For >100 To 200, Deduct	-2.22	
For >200, Deduct	-3.26	
10 26 16 13-0040 LF 2" High, 1-3/4" Deep, Oval, Rigid Vinyl Accent Rail With Aluminum Retainer (Pawling WG-22)	17.35	3.17
For >50 To 100, Deduct	-1.58	
For >100 To 200, Deduct	-2.22	
For >200, Deduct	-3.40	
10 26 16 16 Protective Corridor Handrails <small>(10 26 16)</small>		
10 26 16 16-0001 Protective Corridor Handrails <small>(10 26 16 16)</small>		
10 26 16 16-0002 Vinyl/Acrylic Protective Corridor Handrails With Aluminum Retainers <small>(10 26 16 16-0001)</small>		
10 26 16 16-0003 LF 1-1/2" Diameter, Vinyl/Acrylic Protective Corridor Handrail With Aluminum Retainer (Acrovyn HR-6CN)	20.56	6.78
For >50 To 100, Deduct	-3.39	
For >100 To 200, Deduct	-4.75	
For >200, Deduct	-6.45	
10 26 16 16-0004 EA End Cap For 1-1/2" Diameter, Vinyl/Acrylic Protective Corridor Handrail With Aluminum Retainer (Acrovyn)	18.56	6.78
For >25 To 50, Deduct	-3.39	
For >50 To 100, Deduct	-4.75	
For >100, Deduct	-6.35	
10 26 16 16-0005 LF 5-1/2" High, Vinyl/Acrylic Protective Corridor Handrail With Aluminum Retainer (Acrovyn HRB-4C).....	26.56	6.78
For >50 To 100, Deduct	-3.39	
For >100 To 200, Deduct	-4.75	
For >200, Deduct	-6.75	
10 26 16 16-0006 EA End Cap For 5-1/2" High, Vinyl/Acrylic Protective Corridor Handrail With Aluminum Retainer (Acrovyn).....	22.56	6.78
For >25 To 50, Deduct	-3.39	
For >50 To 100, Deduct	-4.75	
For >100, Deduct	-6.55	
10 26 16 16-0007 LF 6-1/4" High, Vinyl/Acrylic Crash And Handrail With Aluminum Retainer (Acrovyn HRB-10CN).....	27.56	6.78
For >50 To 100, Deduct	-3.39	
For >100 To 200, Deduct	-4.75	
For >200, Deduct	-6.80	
10 26 16 16-0008 EA End Cap For 6-1/4" High, Vinyl/Acrylic Crash And Handrail With Aluminum Retainer (Acrovyn).....	29.56	6.78
For >25 To 50, Deduct	-3.39	
For >50 To 100, Deduct	-4.75	
For >100, Deduct	-6.90	
10 26 16 16-0009 LF 6" High, Vinyl/Acrylic Protective Corridor Handrail With Aluminum Retainer (Acrovyn HR-8CN)	34.56	6.78
For >50 To 100, Deduct	-3.39	
For >100 To 200, Deduct	-4.75	
For >200, Deduct	-7.15	
10 26 16 16-0010 EA End Cap For 6" High, Vinyl/Acrylic Protective Corridor Handrail With Aluminum Retainer (Acrovyn).....	37.56	6.78
For >25 To 50, Deduct	-3.39	
For >50 To 100, Deduct	-4.75	
For >100, Deduct	-7.30	
10 26 16 16-0011 Stainless Steel Protective Corridor Handrails <small>(10 26 16 16-0001)</small>		
10 26 16 16-0012 LF 5-7/8" High, Stainless Steel Protective Corridor Handrail (Acrovyn P-RS)	44.56	6.78
For >50 To 100, Deduct	-3.39	
For >100 To 200, Deduct	-4.75	
For >200, Deduct	-7.65	
10 26 16 16-0013 EA End Cap For 5-7/8" High, Stainless Steel Protective Corridor Handrail (Acrovyn).....	45.56	6.78
For >25 To 50, Deduct	-3.39	
For >50 To 100, Deduct	-4.75	
For >100, Deduct	-7.70	
10 26 16 16-0014 Hardwood Protective Corridor Handrails <small>(10 26 16 16-0001)</small>		
Note: Includes end caps.		

10 Specialties**10 20 Interior Specialties****10 26 Wall And Door Protection**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 26 16 16-0015	LF		4" High, Vinyl Protective Corridor Handrail With 1-1/2" Diameter Wood (Pawling BR-400C)	25.66	5.63
			<i>For >50 To 100, Deduct</i>	-2.82	
			<i>For >100 To 200, Deduct</i>	-3.94	
			<i>For >200, Deduct</i>	-5.79	
			<i>For Maple, Add</i>	0.43	
10 26 16 16-0016	LF		5-1/2" Diameter, Hardwood Protective Corridor Handrail With Vinyl Inserts (Pawling BR-5500)	30.51	6.01
			<i>For >50 To 100, Deduct</i>	-3.00	
			<i>For >100 To 200, Deduct</i>	-4.20	
			<i>For >200, Deduct</i>	-6.33	
10 26 16 16-0017	LF		1-1/2" Diameter, Hardwood Protective Corridor Handrail (Pawling BR-1500)	22.58	5.63
			<i>For >50 To 100, Deduct</i>	-2.82	
			<i>For >100 To 200, Deduct</i>	-3.94	
			<i>For >200, Deduct</i>	-5.63	
			<i>For Maple, Add</i>	4.87	
			<i>For Oak, Add</i>	5.43	
10 26 23			Protective Wall Covering (10 26)		
10 26 23 00-0001			Impact Resistant Wall Protection (10 26 23)		
			Note: Includes standard trim.		
10 26 23 00-0002	SF		0.030" Rigid Vinyl, Impact Resistant Wall Covering (Pawling WC-30)	6.70	2.26
10 26 23 00-0003	SF		0.040" Rigid Vinyl, Impact Resistant Wall Covering (Pawling WC-40)	6.97	2.26
10 26 23 00-0004	SF		0.060" Rigid Vinyl, Impact Resistant Wall Covering (Pawling WC-60)	8.51	2.26
10 26 23 00-0005			Interior Polyvinyl Chloride (PVC) Soffit System (10 26 23)		
			Note: DecoShield Systems, Inc. Concealment system for fire sprinkler piping, plumbing lines, HVAC, cable and conduit.		
10 26 23 00-0006			"L" Design (10 26 23 00-0005)		
10 26 23 00-0007			L-Shield (10 26 23 00-0006)		
10 26 23 00-0008	LF		2.38" Depth L-Shield Cover, Duplex Polyvinyl Chloride (PVC), 1" Shield Size For 3/4" And 1" Pipe	10.01	2.26
10 26 23 00-0009	LF		3" Depth L-Shield Cover, Duplex Polyvinyl Chloride (PVC), 1-1/4" Shield Size For 1-1/4" And 1-1/2" Pipe	11.96	3.17
10 26 23 00-0010	LF		3.75" Depth L-Shield Cover, Duplex Polyvinyl Chloride (PVC), 2" Shield Size For 2" Pipe	15.64	4.07
10 26 23 00-0011	LF		5.75" Depth L-Shield Cover, Duplex Polyvinyl Chloride (PVC), 2-1/2" Shield Size For 2-1/2" Pipe	21.07	4.97
10 26 23 00-0012			"Combo" Hanger (10 26 23 00-0006)		
10 26 23 00-0013	EA		Combination "Combo" Hanger, L-Support, For 3/4" Pipe	12.39	4.52
10 26 23 00-0014	EA		Combination "Combo" Hanger, L-Support, For 1" Pipe	14.47	5.42
10 26 23 00-0015	EA		Combination "Combo" Hanger, L-Support, For 1-1/4" Pipe	16.75	6.33
10 26 23 00-0016	EA		Combination "Combo" Hanger, L-Support, For 1-1/2" Pipe	18.76	7.23
10 26 23 00-0017	EA		Combination "Combo" Hanger, L-Support, For 2" Pipe	21.03	8.14
10 26 23 00-0018			Snap-2 Pipe Hanger (10 26 23 00-0006)		
10 26 23 00-0019	EA		Snap-2 Pipe Hanger, L-Support, For 3/4" Pipe	10.78	4.52
10 26 23 00-0020	EA		Snap-2 Pipe Hanger, L-Support, For 1" Pipe	13.06	5.42
10 26 23 00-0021	EA		Snap-2 Pipe Hanger, L-Support, For 1-1/4" Pipe	15.20	6.33
10 26 23 00-0022	EA		Snap-2 Pipe Hanger, L-Support, For 1-1/2" Pipe	17.62	7.23
10 26 23 00-0023	EA		Snap-2 Pipe Hanger, L-Support, For 2" Pipe	20.10	8.14
10 26 23 00-0024			Coupling (10 26 23 00-0006)		
10 26 23 00-0025	EA		Coupling, L-Shield, 1" Shield Size	6.60	2.26
10 26 23 00-0026	EA		Coupling, L-Shield, 1-1/4" Shield Size	9.48	3.17
10 26 23 00-0027	EA		Coupling, L-Shield, 2" Shield Size	13.30	4.07
10 26 23 00-0028	EA		Coupling, L-Shield, 2-1/2" Shield Size	16.58	4.97
10 26 23 00-0029			Coupling, Reducer (10 26 23 00-0006)		
10 26 23 00-0030	EA		Coupling, Reducing, L-Shield, 1-1/4" x 1" Shield Size	16.14	2.72
10 26 23 00-0031	EA		Coupling, Reducing, L-Shield, 2" x 1" Shield Size	19.72	3.17
10 26 23 00-0032	EA		Coupling, Reducing, L-Shield, 2" x 1-1/4" Shield Size	23.30	3.62
10 26 23 00-0033	EA		Coupling, Reducing, L-Shield, 2-1/2" x 2" Shield Size	84.58	4.52
10 26 23 00-0034			Shield Clips (10 26 23 00-0006)		
10 26 23 00-0035	EA		Shield Clips, L-Support, 1" Shield Size	3.99	1.36
10 26 23 00-0036	EA		Shield Clips, L-Support, 1-1/4" Shield Size	6.13	2.26
10 26 23 00-0037	EA		Shield Clips, L-Support, 2" Shield Size	8.21	3.17
10 26 23 00-0038	EA		Shield Clips, L-Support, 2-1/2" Shield Size	9.61	4.07
10 26 23 00-0039			Wall Flange (10 26 23 00-0006)		
10 26 23 00-0040	EA		Wall Flange, L-Shield, 1" Shield Size	6.46	2.26
10 26 23 00-0041	EA		Wall Flange, L-Shield, 1-1/4" Shield Size	9.21	3.17
10 26 23 00-0042	EA		Wall Flange, L-Shield, 2" Shield Size	13.03	4.07
10 26 23 00-0043	EA		Wall Flange, L-Shield, 2-1/2" Shield Size	45.89	4.97



Specialties	10	10
Interior Specialties	10 20	
Wall And Door Protection	10 26	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 26 23 00-0044 End Cap <small>(10 26 23 00-0006)</small>		
10 26 23 00-0045 EA End Cap, L-Shield, 1" Shield Size.....	6.00	1.36
10 26 23 00-0046 EA End Cap, L-Shield, 1-1/4" Shield Size	8.27	2.26
10 26 23 00-0047 EA End Cap, L-Shield, 2" Shield Size.....	11.49	3.17
10 26 23 00-0048 EA End Cap, L-Shield, 2-1/2" Shield Size	46.04	4.07
10 26 23 00-0049 Inside/Outside Corner <small>(10 26 23 00-0006)</small>		
10 26 23 00-0050 EA Inside/Outside Corner, L-Shield, 1" Shield Size.....	34.69	4.52
10 26 23 00-0051 EA Inside/Outside Corner, L-Shield, 1-1/4" Shield Size.....	37.77	5.42
10 26 23 00-0052 EA Inside/Outside Corner, L-Shield, 2" Shield Size.....	45.77	6.78
10 26 23 00-0053 EA Inside/Outside Corner, L-Shield, 2-1/2" Shield Size.....	77.56	8.14
10 26 23 00-0054 Joiner <small>(10 26 23 00-0006)</small>		
10 26 23 00-0055 LF Joiner, L-Shield.....	7.47	1.36
10 26 23 00-0056 "U" Design <small>(10 26 23 00-0005)</small>		
10 26 23 00-0057 U-Shield <small>(10 26 23 00-0056)</small>		
10 26 23 00-0058 LF 2.25" Depth U-Shield Cover, Duplex Polyvinyl Chloride (PVC), 1" Shield Size For 3/4" And 1" Pipe.....	11.75	2.26
10 26 23 00-0059 LF 2.875" Depth U-Shield Cover, Duplex Polyvinyl Chloride (PVC), 1-1/4" Shield Size For 1-1/4" Pipe.....	14.90	3.17
10 26 23 00-0060 LF 3.68" Depth U-Shield Cover, Duplex Polyvinyl Chloride (PVC), 2" Shield Size For 1-1/2" And 2" Pipe.....	19.06	3.17
10 26 23 00-0061 "Combo" Hanger <small>(10 26 23 00-0056)</small>		
10 26 23 00-0062 EA Combination "Combo" Hanger, U-Support For 3/4" Pipe.....	11.12	4.52
10 26 23 00-0063 EA Combination "Combo" Hanger, U-Support For 1" Pipe.....	13.26	5.42
10 26 23 00-0064 EA Combination "Combo" Hanger, U-Support For 1-1/4" Pipe.....	15.34	6.33
10 26 23 00-0065 EA Combination "Combo" Hanger, U-Support For 1-1/2" Pipe.....	18.56	7.23
10 26 23 00-0066 EA Combination "Combo" Hanger, U-Support For 2" Pipe.....	20.97	8.14
10 26 23 00-0067 Snap-2 Pipe Hanger <small>(10 26 23 00-0056)</small>		
10 26 23 00-0068 EA Snap-2 Pipe Hanger, U-Support, For 3/4" Pipe	10.65	4.52
10 26 23 00-0069 EA Snap-2 Pipe Hanger, U-Support, For 1" Pipe	12.93	5.42
10 26 23 00-0070 EA Snap-2 Pipe Hanger, U-Support, For 1-1/4" Pipe	15.54	6.33
10 26 23 00-0071 EA Snap-2 Pipe Hanger, U-Support, For 1-1/2" Pipe	17.48	7.23
10 26 23 00-0072 EA Snap-2 Pipe Hanger, U-Support, For 2" Pipe	20.03	8.14
10 26 23 00-0073 Coupling <small>(10 26 23 00-0056)</small>		
10 26 23 00-0074 EA Coupling, U-Shield, 1" Shield Size.....	7.53	2.26
10 26 23 00-0075 EA Coupling, U-Shield, 1-1/4" Shield Size.....	9.68	3.17
10 26 23 00-0076 EA Coupling, U-Shield, 2" Shield Size.....	11.96	4.07
10 26 23 00-0077 Coupling, Reducer <small>(10 26 23 00-0056)</small>		
10 26 23 00-0078 EA Reducing Coupling, U-Shield, 1-1/4" x 1" Shield Size	18.81	2.72
10 26 23 00-0079 EA Reducing Coupling, U-Shield, 2" x 1" Shield Size.....	22.40	3.17
10 26 23 00-0080 EA Reducing Coupling, U-Shield, 2" x 1-1/4" Shield Size	23.97	3.62
10 26 23 00-0081 Shield Clips <small>(10 26 23 00-0056)</small>		
10 26 23 00-0082 EA Shield Clips, U-Support, 1" Shield Size	3.72	1.36
10 26 23 00-0083 EA Shield Clips, U-Support, 1-1/4" Shield Size	5.66	2.26
10 26 23 00-0084 EA Shield Clips, U-Support, 2" Shield Size	7.60	3.17
10 26 23 00-0085 Wall Flange <small>(10 26 23 00-0056)</small>		
10 26 23 00-0086 EA Wall Flange, U-Shield, 1" Shield Size	7.33	2.26
10 26 23 00-0087 EA Wall Flange, U-Shield, 1-1/4" Shield Size.....	9.61	3.17
10 26 23 00-0088 EA Wall Flange, U-Shield, 2" Shield Size.....	11.89	4.07
10 26 23 00-0089 End Cap <small>(10 26 23 00-0056)</small>		
10 26 23 00-0090 EA End Cap, U-Shield, 1" Shield Size.....	6.34	1.36
10 26 23 00-0091 EA End Cap, U-Shield, 1-1/4" Shield Size.....	8.81	2.26
10 26 23 00-0092 EA End Cap, U-Shield, 2" Shield Size.....	11.22	3.17
10 26 23 00-0093 Inside/Outside Corner <small>(10 26 23 00-0056)</small>		
10 26 23 00-0094 EA Inside/Outside Corner, U-Shield, 1" Shield Size	42.79	4.52
10 26 23 00-0095 EA Inside/Outside Corner, U-Shield, 1-1/4" Shield Size.....	47.88	5.42
10 26 23 00-0096 EA Inside/Outside Corner, U-Shield, 2" Shield Size	56.89	6.78

10 Specialties**10 20 Interior Specialties****10 26 Wall And Door Protection**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 26 23 00-0097 Elbow <small>(10 26 23 00-0056)</small>		
10 26 23 00-0098 EA Elbow, U-Shield, 1" Shield Size.....	42.06	4.52
10 26 23 00-0099 EA Elbow, U-Shield, 1-1/4" Shield Size.....	46.55	5.42
10 26 23 00-0100 EA Elbow, U-Shield, 2" Shield Size.....	55.62	6.78
10 26 23 00-0101 Tee <small>(10 26 23 00-0056)</small>		
10 26 23 00-0102 EA Tee, U-Shield, 1" x 1" x 1" Shield Size.....	53.94	6.78
10 26 23 00-0103 EA Tee, U-Shield, 1-1/4" x 1-1/4" x 1-1/4" Shield Size.....	60.41	8.14
10 26 23 00-0104 EA Tee, U-Shield, 2" x 2" x 2" Shield Size.....	70.86	9.95
10 26 23 00-0105 EA Tee, U-Shield, 1-1/4" x 1-1/4" x 1" Shield Size.....	70.29	7.69
10 26 23 00-0106 EA Tee, U-Shield, 2" x 2" x 1-1/4" Shield Size.....	76.65	9.50
10 26 23 00-0107 Cross <small>(10 26 23 00-0056)</small>		
10 26 23 00-0108 EA Cross, U-Shield, 1" Shield Size.....	95.44	9.04
10 26 23 00-0109 EA Cross, U-Shield, 1-1/4" Shield Size.....	107.42	10.85
10 26 23 00-0110 EA Cross, U-Shield, 2" Shield Size.....	130.80	13.56
10 26 23 00-0111 EA Cross, U-Shield, 1-1/4" x 1" Shield Size.....	129.20	9.95
10 26 23 00-0112 EA Cross, U-Shield, 2" x 1-1/4" Shield Size.....	142.95	12.21
10 26 23 00-0113 Transition Fittings (L to U Or U to L) <small>(10 26 23 00-0005)</small>		
10 26 23 00-0114 Coupling Transition <small>(10 26 23 00-0113)</small>		
10 26 23 00-0115 EA Transition Coupling, 1" x 1", LxU or UxL.....	16.71	2.26
10 26 23 00-0116 EA Transition Coupling, 1-1/4" x 1-1/4", LxU or UxL.....	19.32	3.17
10 26 23 00-0117 EA Transition Coupling, 2" x 2", LxU or UxL.....	24.15	4.07
10 26 23 00-0118 EA Transition Coupling, 1" x 1-1/4", LxU or UxL.....	19.01	2.72
10 26 23 00-0119 EA Transition Coupling, 1-1/4" x 2", LxU or UxL.....	23.84	3.62
10 26 23 00-0120 EA Transition Coupling, 2" x 2-1/2", LxU or UxL.....	88.40	4.52
10 26 23 00-0121 Elbow Transition <small>(10 26 23 00-0113)</small>		
10 26 23 00-0122 EA Transition Elbow, 1" x 1" (UxL).....	55.52	4.52
10 26 23 00-0123 EA Transition Elbow, 1-1/4" x 1-1/4" (UxL).....	60.54	5.42
10 26 23 00-0124 EA Transition Elbow, 2" x 2" (UxL).....	71.29	6.78
10 26 23 00-0125 EA Transition Elbow, 1" x 1-1/4" (UxL).....	84.96	4.97
10 26 23 00-0126 EA Transition Elbow, 1-1/4" x 1" (UxL).....	61.12	4.97
10 26 23 00-0127 EA Transition Elbow, 1-1/4" x 2" (UxL).....	90.48	6.33
10 26 23 00-0128 EA Transition Elbow, 2" x 1-1/4" (UxL).....	71.12	6.33
10 26 23 00-0129 EA Transition Elbow, 2" x 2-1/2" (UxL).....	108.50	7.23
10 26 23 00-0130 Tee Transition <small>(10 26 23 00-0113)</small>		
10 26 23 00-0131 EA Transition Tee, 1" x 1" x 1" (LxLxU).....	64.73	6.78
10 26 23 00-0132 EA Transition Tee, 1-1/4" x 1-1/4" x 1-1/4" (LxLxU).....	75.08	8.14
10 26 23 00-0133 EA Transition Tee, 2" x 2" x 2" (LxLxU).....	87.67	9.95
10 26 23 00-0134 EA Transition Tee, 1-1/4" x 1-1/4" x 1" (LxLxU).....	68.75	7.69
10 26 23 00-0135 EA Transition Tee, 1-1/4" x 1-1/4" x 2" (LxLxU).....	105.58	8.59
10 26 23 00-0136 EA Transition Tee, 2" x 2" x 1-1/4" (LxLxU).....	77.25	9.50
10 26 23 00-0137 EA Transition Tee, 2-1/2" x 2-1/2" x 2" (LxLxU).....	104.30	11.31
10 26 23 00-0138 Fittings (L Or U) <small>(10 26 23 00-0005)</small>		
10 26 23 00-0139 Hugger Hangers For Steel Pipe <small>(10 26 23 00-0138)</small>		
10 26 23 00-0140 EA Hugger Hanger, For 1/2" Steel Pipe.....	8.64	3.62
10 26 23 00-0141 EA Hugger Hanger, For 3/4" Steel Pipe.....	10.78	4.52
10 26 23 00-0142 EA Hugger Hanger, For 1" Steel Pipe.....	12.73	5.42
10 26 23 00-0143 EA Hugger Hanger, For 1-1/4" Steel Pipe.....	14.74	6.33
10 26 23 00-0144 EA Hugger Hanger, For 1-1/2" Steel Pipe.....	16.68	7.23
10 26 23 00-0145 EA Hugger Hanger, For 2" Steel Pipe.....	18.76	7.23
10 26 23 00-0146 EA Hugger Hanger, For 2-1/2" Steel Pipe.....	20.70	9.04
10 26 23 00-0147 EA Hugger Hanger, For 3" Steel Pipe.....	24.99	9.95
10 26 23 00-0148 Hugger Hangers For Copper Pipe <small>(10 26 23 00-0138)</small>		
10 26 23 00-0149 EA Hugger Hanger, For 1/2" Copper Pipe.....	8.70	3.62
10 26 23 00-0150 EA Hugger Hanger, For 3/4" Copper Pipe.....	10.85	4.52
10 26 23 00-0151 EA Hugger Hanger, For 1" Copper Pipe.....	12.79	5.42
10 26 23 00-0152 EA Hugger Hanger, For 1-1/4" Copper Pipe.....	14.80	6.33
10 26 23 00-0153 EA Hugger Hanger, For 1-1/2" Copper Pipe.....	16.75	7.23
10 26 23 00-0154 EA Hugger Hanger, For 2" Copper Pipe.....	18.89	8.14
10 26 23 00-0155 EA Hugger Hanger, For 2-1/2" Copper Pipe.....	20.84	9.04
10 26 23 00-0156 EA Hugger Hanger, For 3" Copper Pipe.....	25.19	9.95



Specialties	10	10
Interior Specialties	10 20	
Wall And Door Protection	10 26	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 26 23 00-0157 Shield Extension (L Or U) <small>(10 26 23 00-0138)</small>		
10 26 23 00-0158 LF Shield Extension.....	8.88	1.36
10 26 23 00-0159 Interior Steel Soffit System <small>(10 26 23)</small>		
Note: Concealment system for fire sprinkler piping, plumbing lines, HVAC, cable and conduit. Includes factory painted finish and field touch-up.		
10 26 23 00-0160 SF 24 Gauge Steel, U-Shield (JG Innovations Soffi-Steel)	17.87	4.07
For 22 Gauge Steel, Add	0.97	
For 20 Gauge Steel, Add	2.08	
For 18 Gauge Steel, Add	4.09	
For 16 Gauge Steel, Add	6.28	
For Stainless Steel, Add	2.43	
10 26 23 00-0161 EA U-Shield Wall Flange (JG Innovations Soffi-Steel)	31.47	11.31
For Stainless Steel, Add	2.22	
10 26 23 00-0162 EA U-Shield Corner (JG Innovations Soffi-Steel)	69.41	13.56
For Stainless Steel, Add	10.35	
10 26 23 00-0163 EA U-Shield End Cap (JG Innovations Soffi-Steel)	23.02	6.78
For Stainless Steel, Add	2.37	
10 26 23 00-0164 EA U-Shield Clip (JG Innovations Soffi-Steel)	5.80	2.72
For Stainless Steel, Add	0.10	
10 26 23 00-0165 SF 24 Gauge Steel, L-Shield (JG Innovations Soffi-Steel)	19.94	4.07
For 22 Gauge Steel, Add	0.89	
For 20 Gauge Steel, Add	1.89	
For 18 Gauge Steel, Add	3.66	
For 16 Gauge Steel, Add	6.14	
For Stainless Steel, Add	2.95	
10 26 23 00-0166 EA L-Shield Wall Flange (JG Innovations Soffi-Steel)	31.47	11.31
For Stainless Steel, Add	2.22	
10 26 23 00-0167 EA L-Shield Corner (JG Innovations Soffi-Steel)	69.41	13.56
For Stainless Steel, Add	10.35	
10 26 23 00-0168 EA L-Shield End Cap (JG Innovations Soffi-Steel)	19.41	4.97
For Stainless Steel, Add	2.37	
10 26 23 00-0169 EA L-Shield Clip (JG Innovations Soffi-Steel)	5.80	2.72
For Stainless Steel, Add	0.10	
10 26 41 Bullet Resistant Panels <small>(10 26)</small>		
10 26 41 00-0001 Laminated Bullet Resistant Fiberglass Panel <small>(10 26 41)</small>		
Note: Material consisting of multiple layers of woven roving ballistic grade fiberglass cloth impregnated with a thermoset polyester resin and compressed into rigid flat sheets.		
10 26 41 00-0002 SF 1/8" Thick Ballistic Resistant Fiberglass Panel, 1.2 LB/SF	12.82	1.28
10 26 41 00-0003 SF 3/16" Thick Ballistic Resistant Fiberglass Panel, 2 LB/SF	17.01	1.37
10 26 41 00-0004 SF 1/4" Thick Ballistic Resistant Fiberglass Panel, 2.4 To 2.6 LB/SF	19.13	1.46
10 26 41 00-0005 SF 5/16" Thick Ballistic Resistant Fiberglass Panel, 3 To 3.6 LB/SF	20.38	1.55
10 26 41 00-0006 SF 7/16" Thick Ballistic Resistant Fiberglass Panel, 4 To 4.9 LB/SF	23.66	1.73
10 26 41 00-0007 SF 9/16" Thick Ballistic Resistant Fiberglass Panel, 5.5 To 6.6 LB/SF	38.91	2.10
10 26 41 00-0008 SF 1-3/16" Thick Ballistic Resistant Fiberglass Panel, 12 To 13.2 LB/SF	65.85	3.91
10 26 41 00-0009 SF 1-5/16" Thick Ballistic Resistant Fiberglass Panel, 13.4 To 14 LB/SF	80.04	4.28
10 26 41 00-0010 SF 1-7/16" Thick Ballistic Resistant Fiberglass Panel, 15.2 To 16 LB/SF	90.62	4.55
10 28 Toilet, Bath, And Laundry Accessories <small>(10 20)</small>		
10 28 13 Toilet Accessories <small>(10 28)</small>		
10 28 13 13 Commercial Toilet Accessories <small>(10 28 13)</small>		
10 28 13 13-0001 Toilet Accessories <small>(10 28 13 13)</small>		
10 28 13 13-0002 Dispensers <small>(10 28 13 13-0001)</small>		
10 28 13 13-0003 Paper Towel Dispensers <small>(10 28 13 13-0002)</small>		
10 28 13 13-0004 Stainless Steel Paper Towel Dispensers <small>(10 28 13 13-0003)</small>		
10 28 13 13-0005 EA Surface Mounted, Stainless Steel Folded Paper Towel Dispenser (Bobrick Classic B-262)	82.34	20.34
10 28 13 13-0006 EA Surface Mounted, Stainless Steel Folded Paper Towel Dispenser (Bobrick B-2620)	87.59	20.34
10 28 13 13-0007 EA Surface Mounted, Stainless Steel Folded Paper Towel Dispenser (Bobrick B-2621)	88.37	20.34
10 28 13 13-0008 EA Surface Mounted, Stainless Steel Folded Paper Towel Dispenser (Bobrick Classic B-26212)	89.88	20.34
10 28 13 13-0009 EA Surface Mounted, Stainless Steel Folded Paper Towel Dispenser (Bobrick B-263)	131.40	20.34
10 28 13 13-0010 EA Recessed Mounted, Stainless Steel Folded Paper Towel Dispenser (Bobrick Classic B-359)	142.59	20.34
10 28 13 13-0011 EA Surface Mounted, Stainless Steel Folded Paper Towel Dispenser (Bobrick Contura B-4262)	154.07	20.34
10 28 13 13-0012 EA Countertop Recessed Mounted, Stainless Steel Folded Paper Towel Dispenser (Bobrick TrimLine B-526)	156.23	9.04
10 28 13 13-0013 EA Concealed Cabinet, Recessed Mounted, Stainless Steel Folded Paper Towel Dispenser (Bobrick B-318)	264.28	20.34
10 28 13 13-0014 EA Touch Free, Surface Mounted, Stainless Steel Roll Paper Towel Dispenser (Bobrick B-2860)	309.55	20.34
10 28 13 13-0015 EA Recessed Mounted, Stainless Steel Folded Paper Towel Dispenser (Bobrick B-4369)	334.18	20.34
10 28 13 13-0016 EA Recessed Automated Touchless Towel Dispenser, Stainless (Georgia-Pacific enMotion® 59466)	193.89	20.34
10 28 13 13-0017 EA Stainless Steel Mounting Bracket For Wall Mounting enMotion Recessed Automated Touchless Towel Dispenser (Georgia-Pacific enMotion® 59476)	85.68	11.30
10 28 13 13-0018 Plastic Paper Towel Dispensers <small>(10 28 13 13-0003)</small>		

10 Specialties**10 20 Interior Specialties****10 28 Toilet, Bath, And Laundry Accessories**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 28 13 13-0019 EA Surface Mounted, Acrylonitrile Butadiene Styrene (ABS) Plastic Folded Paper Towel Dispenser (Bobrick Matrix B-5262).....	64.42	20.34
10 28 13 13-0020 EA Surface Mounted, Acrylonitrile Butadiene Styrene (ABS) Plastic Roll Paper Towel Dispenser (Bobrick Matrix B-52860).....	124.78	20.34
10 28 13 13-0021 EA Surface Mounted, Translucent Cover, Acrylonitrile Butadiene Styrene (ABS) Plastic Roll Paper Towel Dispenser (Bobrick B-72860).....	123.97	20.34
10 28 13 13-0022 EA Surface Mounted, Automated Touchless Towel Dispenser, Translucent Plastic (Georgia-Pacific enMotion® 59462).....	106.61	20.34
10 28 13 13-0023 Aluminum Paper Towel Dispensers (10 28 13 13-0003)		
10 28 13 13-0024 EA Surface Mounted, Heavy-Duty Aluminum Casting Roll Paper Towel Dispenser (Bobrick B-253).....	69.68	20.34
10 28 13 13-0025 Toilet Tissue Dispensers (10 28 13 13-0002)		
10 28 13 13-0026 Plastic Toilet Tissue Dispensers (10 28 13 13-0025)		
10 28 13 13-0027 EA Two Roll, Surface Mounted, Acrylonitrile Butadiene Styrene (ABS) Plastic Toilet Tissue Dispenser (Bobrick B-5288).....	64.23	20.34
10 28 13 13-0028 EA Two Jumbo Roll, Surface Mounted, Acrylonitrile Butadiene Styrene (ABS) Plastic Toilet Tissue Dispenser (Georgia Pacific 58250).....	94.10	20.34
10 28 13 13-0029 EA Vertical Double Roll, Surface Mounted, Translucent Plastic Steel Coreless Toilet Tissue Dispenser (Georgia-Pacific Compact® 56760).....	56.60	20.34
10 28 13 13-0030 EA Side By Side Double Roll, Surface Mounted, Translucent Plastic Toilet Tissue Dispenser (Georgia-Pacific Compact® 56784).....	65.56	20.34
10 28 13 13-0031 Cast Aluminum Toilet Tissue Dispensers (10 28 13 13-0025)		
10 28 13 13-0032 EA Single Roll Without Controlled Delivery, Surface Mounted, Cast Aluminum Toilet Tissue Dispenser (Bobrick B-2730).....	58.78	20.34
10 28 13 13-0033 EA Single Roll With Controlled Delivery, Surface Mounted, Cast Aluminum Toilet Tissue Dispenser (Bobrick B-273).....	59.17	20.34
10 28 13 13-0034 EA Two Roll Without Controlled Delivery, Surface Mounted, Cast Aluminum Toilet Tissue Dispenser (Bobrick B-2740).....	61.89	20.34
10 28 13 13-0035 EA Two Roll With Controlled Delivery, Surface Mounted, Cast Aluminum Toilet Tissue Dispenser (Bobrick B-274).....	66.95	20.34
10 28 13 13-0036 EA Two Roll Without Controlled Delivery, Surface Mounted, Cast Aluminum Toilet Tissue Dispenser (Bobrick B-27460).....	85.64	20.34
10 28 13 13-0037 Stainless Steel Toilet Tissue Dispensers (10 28 13 13-0025)		
10 28 13 13-0038 EA Single Roll, Surface Mounted, Stainless Steel Toilet Tissue Dispenser (Bobrick Classic B-264).....	51.19	20.34
10 28 13 13-0039 EA Single Roll, Recessed Mounted, Stainless Steel Toilet Tissue Dispenser (Bobrick B-663).....	76.50	20.34
10 28 13 13-0040 EA Single Jumbo Roll, Surface Mounted, Stainless Steel Toilet Tissue Dispenser (Bobrick B-2890).....	76.62	20.34
10 28 13 13-0041 EA Single Fold/Double Fold, Surface Mounted, Stainless Steel Toilet Tissue Cabinet (Bobrick B-272).....	88.56	20.34
10 28 13 13-0042 EA Two Roll, Surface Mounted, Stainless Steel Toilet Tissue Dispenser (Bobrick Classic B-265).....	58.39	20.34
10 28 13 13-0043 EA Two Roll, Surface Mounted, Stainless Steel Toilet Tissue Dispenser (Bobrick Classic B-2888).....	94.60	20.34
10 28 13 13-0044 EA Two Roll, Recessed Mounted, Stainless Steel Toilet Tissue Dispenser (Bobrick Classic B-3888).....	131.88	20.34
10 28 13 13-0045 EA Two Roll, Surface Mounted, Stainless Steel Toilet Tissue Dispenser (Bobrick Contura B-4288).....	136.07	20.34
10 28 13 13-0046 EA Two Roll, Recessed Mounted, Stainless Steel Toilet Tissue Dispenser (Bobrick Contura B-4388).....	172.00	20.34
10 28 13 13-0047 EA Two Jumbo Roll, Surface Mounted, Stainless Steel Toilet Tissue Dispenser (Bobrick B-2892).....	195.84	20.34
10 28 13 13-0048 EA Four Roll, Partition Mounted, Stainless Steel Toilet Tissue Dispenser (Bobrick B-386).....	243.81	20.34
Note: Mounts centered through toilet partitions.		
10 28 13 13-0049 EA Stainless Steel Shelf And Double Roll Toilet Tissue Dispenser (Bobrick B-2840).....	107.84	20.34
10 28 13 13-0050 EA Vertical Double Roll, Surface Mounted, Stainless Steel Coreless Toilet Tissue Dispenser (Georgia-Pacific Compact® 56782).....	100.23	20.34
10 28 13 13-0051 EA Side By Side Double Roll, Surface Mounted, Stainless Steel Toilet Tissue Dispenser (Georgia-Pacific Compact® 56796).....	82.17	20.34
10 28 13 13-0052 Soap Dispensers (10 28 13 13-0002)		
10 28 13 13-0053 EA 20 Fluid Ounce, 4" Spout, Top-Filling Lavatory Mounted, Chrome Plated Soap Dispenser (Bobrick B-8221).....	75.52	20.34
For 34 Fluid Ounce (B-822), Add	4.28	
10 28 13 13-0054 EA 20 Fluid Ounce, 6" Spout, Top-Filling Lavatory Mounted, Chrome Plated Soap Dispenser (Bobrick B-82216).....	81.36	20.34
For 34 Fluid Ounce (B-822), Add	4.28	
10 28 13 13-0055 EA 24 Fluid Ounce, Surface Mounted, Translucent Polyethylene Soap Dispenser (Bobrick B-156).....	53.33	20.34
10 28 13 13-0056 EA 24 Fluid Ounce, Surface Mounted, Chrome-Plated, Translucent Polyethylene Soap Dispenser (Bobrick B-155).....	57.41	20.34
10 28 13 13-0057 EA 40 Fluid Ounce, Concealed Surface Mounted, Translucent Soap Dispenser (Bobrick B-40).....	69.45	20.34
10 28 13 13-0058 EA 40 Fluid Ounce, Surface Mounted, Translucent Plastic Soap Dispenser (Bobrick Classic B-42).....	71.14	20.34
10 28 13 13-0059 EA 40 Fluid Ounce, Surface Mounted, Stainless Steel Soap Dispenser (Bobrick Classic B-2111/2112).....	76.69	20.34
10 28 13 13-0060 EA 40 Fluid Ounce, Surface Mounted, Stainless Steel Soap Dispenser (Bobrick Contura B-4112).....	95.19	20.34
10 28 13 13-0061 EA 45 Fluid Ounce, Recessed Mounted, Stainless Steel Soap Dispenser (Bobrick B-306).....	158.95	20.34
10 28 13 13-0062 EA 50 Fluid Ounce, Recessed Mounted, Stainless Steel Soap Dispenser (Bobrick Contura B-4063).....	248.70	20.34
10 28 13 13-0063 EA 800 ml. Lavatory Mounted, Chrome Plated Automatic Soap Dispenser (Bobrick B-826.18).....	157.25	20.34
Note: Includes start-up kit.		
10 28 13 13-0064 Facial Tissue Dispensers (10 28 13 13-0002)		
10 28 13 13-0065 EA Surface Mounted, Stainless Steel Facial Tissue Dispenser (Bobrick B-8397).....	86.04	20.34
10 28 13 13-0066 EA Recessed Mounted, Stainless Steel Facial Tissue Dispenser (Gamco 355).....	64.08	20.34
10 28 13 13-0067 Sanitary Toilet Seat Cover Dispensers (10 28 13 13-0002)		



Specialties	10
Interior Specialties	10 20
Toilet, Bath, And Laundry Accessories	10 28

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 28 13 13-0068 EA Surface Mounted, Acrylonitrile Butadiene Styrene (ABS) Plastic Sanitary Seat-Cover Dispenser (Bobrick Matrix B-5221).....	52.55	20.34
10 28 13 13-0069 EA Surface Mounted, Stainless Steel Sanitary Seat-Cover Dispenser (Bobrick Classic B-221).....	67.93	20.34
10 28 13 13-0070 EA Surface Mounted, Stainless Steel Sanitary Seat-Cover Dispenser (Bobrick Contura B-4221).....	116.41	20.34
10 28 13 13-0071 EA Recessed Mounted, Stainless Steel Sanitary Seat-Cover Dispenser (Bobrick Classic B-301).....	123.32	20.34
10 28 13 13-0072 EA Recessed Mounted, Stainless Steel Sanitary Seat-Cover Dispenser (Bobrick TrimLine B-3013).....	236.04	20.34
10 28 13 13-0073 Sanitary Toilet Seat Cover/Toilet Tissue Dispensers (10 28 13 13-0002)		
10 28 13 13-0074 EA Surface Mounted, Stainless Steel Seat Cover And Toilet Tissue Dispenser (Bobrick Classic B-3479).....	370.78	20.34
10 28 13 13-0075 EA Recessed Mounted, Stainless Steel Seat Cover And Toilet Tissue Dispenser (Bobrick B-34745).....	229.38	20.34
10 28 13 13-0076 Sanitary Napkin/Tampon Dispensers (10 28 13 13-0002)		
10 28 13 13-0077 EA Surface Mounted, Stainless Steel Sanitary Napkin/Tampon Vendor (Bobrick B-370639C).....	456.36	20.34
10 28 13 13-0078 EA Surface Mounted, Stainless Steel Sanitary Napkin/Tampon Vendor (Gamco B-282 25).....	348.49	20.34
10 28 13 13-0079 EA Surface Mounted, Stainless Steel Sanitary Napkin/Tampon Vending (Bobrick B-2706).....	462.29	20.34
10 28 13 13-0080 EA Recessed Mounted, Stainless Steel Sanitary Napkin/Tampon Vendor (Bobrick Classic B-352 25).....	352.67	20.34
10 28 13 13-0081 EA Recessed Mounted, Single Coin Operation, Stainless Steel, Sanitary Napkin/Tampon Vendor (Gamco NV-2-4).....	310.95	20.34
10 28 13 13-0082 Toilet Compartment Combination Dispenser/Disposals (10 28 13 13-0002)		
10 28 13 13-0083 EA Side Wall Recessed Mounted, Stainless Steel Toilet Tissue Dispenser With Sanitary Napkin Disposal (Bobrick B-3094).....	331.12	45.20
10 28 13 13-0084 EA Side Wall Recessed Mounted, Stainless Steel Seat Cover And Toilet Tissue Dispenser (Bobrick B-3474).....	368.23	45.20
10 28 13 13-0085 EA Side Wall Recessed Mounted, Stainless Steel Seat Cover And Toilet Tissue Dispenser With Sanitary Napkin Disposal (Bobrick B-35745).....	307.53	45.20
10 28 13 13-0086 EA Side Wall Recessed Mounted, Stainless Steel Seat Cover And Toilet Tissue Dispenser With Sanitary Napkin Disposal (Bobrick B-3574).....	427.82	45.20
10 28 13 13-0087 EA Partition Mounted, Stainless Steel Seat Cover And Toilet Tissue Dispenser (Bobrick B-347).....	439.30	45.20
10 28 13 13-0088 EA Partition Mounted, Stainless Steel Seat Cover And Toilet Tissue Dispenser With Sanitary Napkin Disposal (Bobrick B-357).....	503.36	45.20
10 28 13 13-0089 EA Surface Mounted, Stainless Steel Seat Cover And Toilet Tissue Dispenser With Sanitary Napkin Disposal (Bobrick B-3579).....	472.72	45.20
10 28 13 13-0090 Receptacles (10 28 13 13-0001)		
10 28 13 13-0091 Wall Mounted Waste Receptacles (10 28 13 13-0090)		
10 28 13 13-0092 EA 1-1/2 Gallon, Surface Mounted, Stainless Steel Facial Tissue Waste Receptacle (Gamco WR-3).....	76.66	20.34
10 28 13 13-0093 EA 6.4 Gallon, Surface Mounted, Stainless Steel Waste Receptacle (Bobrick B-279).....	123.42	20.34
10 28 13 13-0094 EA 12 Gallon, 4" Wall Recess, Stainless Steel Floor Standing Waste Receptacle (Bobrick Classic B-3644).....	284.71	45.20
10 28 13 13-0095 EA 12 Gallon, 4" Wall Recess, Stainless Steel Waste Receptacle (Bobrick Contura B-43644).....	416.33	45.20
10 28 13 13-0096 EA 20 Gallon, Surface Mounted, Stainless Steel Waste Receptacle (Bobrick B-275).....	332.42	45.20
10 28 13 13-0097 Floor-Standing/Counter Waste Receptacles (10 28 13 13-0090)		
10 28 13 13-0098 EA 5-7/8" Inside Diameter, 3-7/8" Deep, Countertop-Mounted, Stainless Steel Waste Chute (Bobrick B-532).....	89.44	20.34
10 28 13 13-0099 EA 5-7/16" Inside Diameter, 5" Deep, Countertop-Mounted, Stainless Steel Waste Chute (Bobrick B-529).....	125.56	20.34
10 28 13 13-0100 EA 13 Gallon, Open Top, Stainless Steel Floor Standing Waste Receptacle (Bobrick B-2260).....	231.00	9.04
10 28 13 13-0101 EA 13 Gallon, Swing-Top, Stainless Steel Floor-Standing Waste Receptacle (Bobrick B-2250).....	348.22	9.04
10 28 13 13-0102 EA 18 Gallon, Open Top, Stainless Steel Floor-Standing Waste Receptacle (Bobrick B-2300).....	326.38	9.04
10 28 13 13-0103 EA 21 Gallon, Open Top, Stainless Steel Floor Standing Waste Receptacle (Bobrick B-2280).....	313.95	9.04
10 28 13 13-0104 Combination Paper Towel Dispenser/ Waste Receptacle (10 28 13 13-0090)		
10 28 13 13-0105 EA 2 Gallon, Recessed Mounted, Stainless Steel Combination Folded Paper Towel Dispenser/ Waste Receptacle (Bobrick Classic B-369).....	237.99	45.20
10 28 13 13-0106 EA 2.6 Gallon, Recessed Mounted, Stainless Steel Combination Folded Paper Towel Dispenser/ Waste Receptacle (Bobrick Contura B-4369).....	374.86	45.20
10 28 13 13-0107 EA 12 Gallon, Recessed Mounted, Stainless Steel Combination Folded Paper Towel Dispenser/ Waste Receptacle (Bobrick Classic B-3944).....	369.41	45.20
10 28 13 13-0108 EA 12 Gallon, Recessed Mounted, Stainless Steel Combination Folded Paper Towel Dispenser/ Waste Receptacle (Bobrick Classic B-3900).....	531.11	45.20
10 28 13 13-0109 EA 12 Gallon, Semi-Recessed Mounted, Stainless Steel Combination Folded Paper Towel Dispenser/ Waste Receptacle (Bobrick Classic B-3909).....	726.33	45.20
10 28 13 13-0110 EA 12 Gallon, Recessed Mounted, Stainless Steel Combination Roll Towel Dispenser / Waste Receptacle (Bobrick Classic B-3961).....	615.90	45.20
10 28 13 13-0111 EA 12 Gallon, Surface Mounted, Stainless Steel Combination Folded Paper Towel Dispenser/ Waste Receptacle (Bobrick Classic B-3949).....	477.68	45.20
10 28 13 13-0112 EA 12 Gallon, Surface Mounted, Stainless Steel Combination Roll Towel Dispenser / Waste Receptacle (Bobrick Classic B-39619).....	765.82	45.20
10 28 13 13-0113 EA 16 Gallon, Semi-Recessed Mounted, Stainless Steel Combination Folded Paper Towel Dispenser/ Waste Receptacle (Bobrick Contura B-43944).....	710.40	49.72
10 28 13 13-0114 EA 18 Gallon, Recessed Mounted, Stainless Steel Combination Folded Paper Towel Dispenser/ Waste Receptacle (Bobrick Classic B-3947).....	482.21	49.72
10 28 13 13-0115 Sanitary Napkin/Tampon Receptacles (10 28 13 13-0090)		
10 28 13 13-0116 EA Surface Mounted, Stainless Steel Sanitary Napkin/Tampon Disposal (Bobrick Contura B-270).....	71.87	22.59
10 28 13 13-0117 EA Surface Mounted, Stainless Steel Sanitary Napkin/Tampon Disposal (Bobrick Classic B-254).....	136.10	22.59

10 Specialties**10 20 Interior Specialties****10 28 Toilet, Bath, And Laundry Accessories**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 28 13 13-0118 EA Recessed Mounted, Stainless Steel Sanitary Napkin/Tampon Disposal (Bobrick Classic B-353).....	147.42	22.59
10 28 13 13-0119 EA Recessed Mounted, Stainless Steel Sanitary Napkin/Tampon Disposal (Bobrick Classic B-35303).....	334.72	22.59
10 28 13 13-0120 EA Partition Mounted, Stainless Steel Sanitary Napkin/Tampon Disposal (Bobrick Classic B-354).....	180.90	22.59
10 28 13 13-0121 EA Partition Mounted, Stainless Steel Sanitary Napkin Disposal (Bobrick Contura B-4354).....	311.55	22.59
10 28 13 13-0122 Grab Bars (10 28 13 13-0001)		
10 28 13 13-0123 1-1/4" Diameter, Stainless Steel Grab Bars (10 28 13 13-0122)		
Note: Includes satin finish and concealed mounting with snap flange.		
10 28 13 13-0124 EA 12" Length, 1-1/4" Diameter, Stainless Steel Grab Bar (Gamco 125sx12).....	69.48	18.08
For Peened Grip, Add	3.41	
10 28 13 13-0125 EA 18" Length, 1-1/4" Diameter, Stainless Steel Grab Bar (Bobrick B-5806x18).....	79.16	18.08
For Peened Grip, Add	4.28	
10 28 13 13-0126 EA 24" Length, 1-1/4" Diameter, Stainless Steel Grab Bar (Bobrick B-5806x24).....	80.13	18.08
For Peened Grip, Add	4.36	
10 28 13 13-0127 EA 30" Length, 1-1/4" Diameter, Stainless Steel Grab Bar (Bobrick B-5806x30).....	80.59	18.08
For Peened Grip, Add	4.41	
10 28 13 13-0128 EA 36" Length, 1-1/4" Diameter, Stainless Steel Grab Bar (Bobrick B-5806x36).....	80.71	18.08
For Peened Grip, Add	4.42	
10 28 13 13-0129 EA 42" Length, 1-1/4" Diameter, Stainless Steel Grab Bar (Bobrick B-5806x42).....	83.05	18.08
For Peened Grip, Add	4.63	
10 28 13 13-0130 EA 48" Length, 1-1/4" Diameter, Stainless Steel Grab Bar (Bobrick B-5806x48).....	86.74	18.08
For Peened Grip, Add	4.96	
10 28 13 13-0131 1-1/4" Diameter, Two Wall, Stainless Steel Grab Bars (10 28 13 13-0122)		
Note: Includes satin finish and concealed mounting with snap flange.		
10 28 13 13-0132 EA 24" x 36", Two Wall, 1-1/4" Diameter, Stainless Steel Grab Bar (Bobrick B-58616).....	130.21	18.08
For Peened Grip, Add	8.46	
10 28 13 13-0133 EA 36" x 54", Two Wall, 1-1/4" Diameter, Stainless Steel Grab Bar (Bobrick B-5837).....	132.74	18.08
For Peened Grip, Add	8.69	
10 28 13 13-0134 1-1/2" Diameter, Stainless Steel Grab Bars (10 28 13 13-0122)		
Note: Includes satin finish and concealed mounting with snap flange.		
10 28 13 13-0135 EA 12" Length, 1-1/2" Diameter, Stainless Steel Grab Bar (Bobrick B-6806x12).....	78.35	18.08
For Peened Grip, Add	4.20	
10 28 13 13-0136 EA 18" Length, 1-1/2" Diameter, Stainless Steel Grab Bar (Bobrick B-6806x18).....	79.16	18.08
For Peened Grip, Add	4.28	
10 28 13 13-0137 EA 24" Length, 1-1/2" Diameter, Stainless Steel Grab Bar (Bobrick B-6806x24).....	80.71	18.08
For Peened Grip, Add	4.42	
10 28 13 13-0138 EA 30" Length, 1-1/2" Diameter, Stainless Steel Grab Bar (Bobrick B-6806x30).....	82.27	18.08
For Peened Grip, Add	4.56	
10 28 13 13-0139 EA 36" Length, 1-1/2" Diameter, Stainless Steel Grab Bar (Bobrick B-6806x36).....	84.22	18.08
For Peened Grip, Add	4.73	
10 28 13 13-0140 EA 42" Length, 1-1/2" Diameter, Stainless Steel Grab Bar (Bobrick B-6806x42).....	85.97	18.08
For Peened Grip, Add	4.89	
10 28 13 13-0141 EA 48" Length, 1-1/2" Diameter, Stainless Steel Grab Bar (Bobrick B-6806x48).....	90.25	18.08
For Peened Grip, Add	5.27	
10 28 13 13-0142 1-1/2" Diameter, Two Wall, Stainless Steel Grab Bars (10 28 13 13-0122)		
Note: Includes satin finish and concealed mounting with snap flange.		
10 28 13 13-0143 EA 16" x 31", Two Wall, 1-1/2" Diameter, Stainless Steel Grab Bar (Bobrick B-6861).....	119.69	18.08
For Peened Grip, Add	7.52	
10 28 13 13-0144 EA 24" x 36", Two Wall, 1-1/2" Diameter, Stainless Steel Grab Bar (Bobrick B-68616).....	128.07	18.08
For Peened Grip, Add	8.27	
10 28 13 13-0145 EA 36" x 54", Two Wall, 1-1/2" Diameter, Stainless Steel Grab Bar (Bobrick B-68137).....	112.30	18.08
For Peened Grip, Add	6.85	
10 28 13 13-0146 1-1/4" Diameter, Stainless Steel Swing Up Grab Bars (10 28 13 13-0122)		
Note: Includes satin finish.		
10 28 13 13-0147 EA 29" Length, 1-1/4" Diameter, Stainless Steel Swing Up Grab Bar (Bobrick B-4998).....	336.16	18.08
For Peened Grip, Add	27.41	
10 28 13 13-0148 Shelves (10 28 13 13-0001)		
10 28 13 13-0149 EA 5" Width x 16" Length, Stainless Steel Shelf (Bobrick B-295).....	90.70	20.34
10 28 13 13-0150 EA 5" Width x 18" Length, Stainless Steel Shelf (Bobrick B-295).....	93.05	20.34
10 28 13 13-0151 EA 5" Width x 24" Length, Stainless Steel Shelf (Bobrick B-295).....	103.75	20.34
10 28 13 13-0152 EA 5" Width x 36" Length, Stainless Steel Shelf (Gamco S-5x36).....	106.45	20.34
10 28 13 13-0153 EA 6" Width x 18" Length, Stainless Steel Shelf (Bobrick B-296).....	102.20	20.34
10 28 13 13-0154 EA 6" Width x 24" Length, Stainless Steel Shelf (Gamco S-6x24).....	103.47	20.34
10 28 13 13-0155 EA 8" Width x 18" Length, Stainless Steel Shelf (Bobrick B-298).....	109.79	20.34
10 28 13 13-0156 EA 8" Width x 24" Length, Stainless Steel Shelf (Bobrick B-298).....	118.94	20.34
10 28 13 13-0157 EA 8" Width x 36" Length, Stainless Steel Shelf (Gamco S-8x36).....	138.27	20.34
10 28 13 13-0158 EA 5-3/4" Width x 14-1/2" Length, Folding Stainless Steel Utility Shelf (Bobrick B-287).....	109.98	20.34
10 28 13 13-0159 EA 4-3/4" Width x 24" Length, Stainless Steel Toiletory Shelf (Bobrick B-683).....	111.93	20.34
10 28 13 13-0160 EA 12" Width x 24" Length, Stainless Steel Shelf (Bradley 7512-24).....	174.00	20.34
10 28 13 13-0161 EA 12" Width x 30" Length, Stainless Steel Shelf (Bradley 7512-30).....	185.65	20.34
10 28 13 13-0162 EA 12" Width x 36" Length, Stainless Steel Shelf (Bradley 7512-36).....	203.63	20.34



Specialties	10
Interior Specialties	10 20
Toilet, Bath, And Laundry Accessories	10 28

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 28 13 13-0163 EA 12" Width x 48" Length, Stainless Steel Shelf (Bradley 7512-48)	252.55	20.34
10 28 13 13-0164 EA 12" Width x 60" Length, Stainless Steel Shelf (Bradley 7512-60)	341.67	20.34
10 28 13 13-0165 EA 4-1/4" Width x 16-1/2" Length x 6-1/2" Height, Recessed Stainless Steel Shelf (American Specialties 0412)	148.89	20.34
10 28 13 13-0166 Changing Stations (10 28 13 13-0001)		
10 28 13 13-0166 EA Horizontal, Wall-Mounted, Polyethylene Baby Changing Station (Gamco BCS-1)	327.75	27.12
10 28 13 13-0168 EA Vertical, Wall-Mounted, Polyethylene Baby Changing Station (Bobrick Koala Care KB101-00)	346.55	27.12
10 28 13 13-0169 EA Horizontal, Wall-Mounted, Polypropylene Baby Changing Station (Bobrick Koala Care KB200-00)	288.34	27.12
10 28 13 13-0170 EA Horizontal, Recessed Mounted, Stainless Steel Baby Changing Station (Bobrick Koala Care KB110-SSRE)	1,354.24	27.12
10 28 13 13-0171 EA Horizontal, Wall-Mounted, Stainless Steel Baby Changing Station (Bobrick Koala Care KB110-SSWM)	1,572.91	27.12
10 28 13 13-0172 EA Vertical, Recessed Mounted, Stainless Steel Baby Changing Station (Bobrick Koala Care KB111-SSRE)	1,354.24	27.12
10 28 13 13-0173 EA Vertical, Wall-Mounted, Stainless Steel Baby Changing Station (Bobrick Koala Care KB111-SSWM)	1,572.91	27.12
10 28 13 13-0174 Folding Shower Seats (10 28 13 13-0001)		
10 28 13 13-0175 EA 33" Width, Wall-Mounted, Reversible, Folding , Stainless Steel Hardware, Solid Phenolic Shower Seat (Bobrick B-5181)	414.60	36.16
10 28 13 13-0176 EA 33" Width, Wall-Mounted, Foam Padded, Naugahyde® Folding Shower Seat (Bobrick B-517/518)	537.26	36.16
10 28 13 13-0177 EA 30" Width, Wall-Mounted, Teakwood Folding Shower Seat	520.11	36.16
10 28 13 13-0178 Soap/Dish Holders (10 28 13 13-0001)		
10 28 13 13-0179 EA Surface Mounted, Stainless Steel Toothbrush and Tumbler Holder (Gamco 7679)	49.10	20.34
10 28 13 13-0180 EA Surface Mounted, Stainless Steel Soap Dish (Gamco 7680)	50.46	20.34
10 28 13 13-0181 EA Recessed Mounted, Stainless Steel Soap Dish (Bobrick B-4380)	85.74	20.34
10 28 13 13-0182 EA Recessed Mounted, Stainless Steel Soap Dish And Bar (Bobrick B-4390)	92.55	20.34
10 28 13 13-0183 Shower Curtains/Curtain Rods (10 28 13 13-0001)		
10 28 13 13-0184 EA Stainless Steel Shower Curtain Hook (Bobrick B-204-1)	2.42	0.90
10 28 13 13-0185 EA 42" Width x 72" Height, Vinyl Shower Curtain (Bobrick B-204-2)	37.75	9.04
Note: Requires 7 curtain hooks.		
10 28 13 13-0186 EA 70" Width x 72" Height, Vinyl Shower Curtain (Bobrick B-204-3)	39.41	9.04
Note: Requires 12 curtain hooks.		
10 28 13 13-0187 EA 36" Length, 20 Gauge, 1" Diameter, Stainless Steel Shower Rod With Concealed Mounting (Bobrick B-207)	68.12	20.34
10 28 13 13-0188 EA 48" Length, 20-Gauge, 1" Diameter, Stainless Steel Shower Rod With Concealed Mounting (Bobrick B-207)	72.41	20.34
10 28 13 13-0189 EA 60" Length, 20-Gauge, 1" Diameter, Stainless Steel Shower Rod With Concealed Mounting (Bobrick B-207)	77.66	20.34
10 28 13 13-0190 EA 72" Length, 20-Gauge, 1" Diameter, Stainless Steel Shower Rod With Concealed Mounting (Bobrick B-207)	84.09	20.34
10 28 13 13-0191 EA 36" Length, 20-Gauge, 1" Diameter, Stainless Steel Shower Rod (Bobrick B-6107x36)	60.73	20.34
10 28 13 13-0192 EA 48" Length, 20-Gauge, 1" Diameter, Stainless Steel Shower Rod (Bobrick B-6107x48)	65.79	20.34
10 28 13 13-0193 EA 60" Length, 20-Gauge, 1" Diameter, Stainless Steel Shower Rod (Bobrick B-6107x60)	68.71	20.34
10 28 13 13-0194 EA 72" Length, 20-Gauge, 1" Diameter, Stainless Steel Shower Rod (Bobrick B-6107x72)	72.41	20.34
10 28 13 13-0195 EA 36" Length, 18-Gauge, 1-1/4" Diameter, Stainless Steel Shower Rod (Bobrick B-6047)	62.87	20.34
10 28 13 13-0196 EA 48" Length, 18-Gauge, 1-1/4" Diameter, Stainless Steel Shower Rod (Bobrick B-6047)	67.15	20.34
10 28 13 13-0197 EA 60" Length, 18-Gauge, 1-1/4" Diameter, Stainless Steel Shower Rod (Bobrick B-6047)	72.21	20.34
10 28 13 13-0198 EA 72" Length, 18-Gauge, 1-1/4" Diameter, Stainless Steel Shower Rod (Bobrick B-6047)	75.72	20.34
10 28 13 13-0199 Hand Dryers (10 28 13 13-0001)		
10 28 13 13-0200 EA Surface Mounted, Automatic Sensor, One Piece Plastic Cover Hand Dryer (Bobrick CompacDryer B-710)	394.08	25.97
10 28 13 13-0201 EA Surface Mounted, Automatic Sensor, Cast Aluminum Cover Hand Dryer (Bobrick B-7120-115V)	422.68	25.97
10 28 13 13-0202 EA Surface Mounted, Automatic Sensor, Cast-Iron Cover Hand Dryer (Bobrick B-7128 230V)	465.91	25.97
10 28 13 13-0203 EA Recessed Mounted, Automatic Sensor, Cast-Iron Cover Hand Dryer (Bobrick B-750-115/230)	650.45	25.97
10 28 13 13-0204 EA Surface Mounted, Touch-Button, Cast-Iron Cover Hand Dryer (World Dryer A)	550.40	25.97
10 28 13 13-0205 EA Surface Mounted, Automatic Sensor, Cast-Iron Cover Hand Dryer (World Dryer A)	610.84	25.97
10 28 13 13-0206 EA Surface Mounted, Touch-Button, Cast-Iron Cover Hand/Hair Dryer (American Dryer A60)	565.83	25.97
10 28 13 13-0207 EA Surface Mounted, Automatic Sensor, Cast-Iron Cover Hand/Hair Dryer (American Dryer A60T)	585.12	25.97
10 28 13 13-0208 EA Recessed Mounted, Automatic Sensor, Cast-Iron Cover Hand/Hair Dryer (American Dryer A60TR)	605.69	25.97
10 28 13 13-0209 EA Surface Mounted, Automatic Sensor, Cast-Iron Cover Hand Dryer (Excel Xerator XL-GR)	691.04	25.97
10 28 13 13-0210 EA Surface Mounted, Automatic Sensor, Acrylonitrile Butadiene Styrene (ABS) Polycarbonate Cover Hand Dryer (Dyson Airblade AB12)	906.28	25.97
10 28 13 13-0211 EA Surface Mounted, Automatic Sensor, Acrylonitrile Butadiene Styrene (ABS) Polycarbonate Cover Hand Dryer (Dyson Airblade AB14)	1,528.24	25.97
10 28 13 13-0212 EA Surface Mounted, Automatic Sensor, White ABS Cover, CPC Technology, Dries Hands In 10 To 12 Seconds, Hand Dryer (American Dryer CPC9)	700.00	25.97
Note: CPC technology kills germs naturally with no chemicals. Electronically adjustable sound and speed.		
10 28 13 13-0213 EA Surface Mounted, Automatic Sensor, White Epoxy Finish Steel Cover, CPC Technology, Dries Hands In 10 To 12 Seconds, Hand Dryer (American Dryer CPC9-M)	736.28	25.97
Note: CPC technology kills germs naturally with no chemicals. Electronically adjustable sound and speed.		
10 28 13 13-0214 EA Surface Mounted, Automatic Sensor, Black Graphite Steel Cover, CPC Technology, Dries Hands In 10 To 12 Seconds, Hand Dryer (American Dryer CPC9-BG)	757.01	25.97
Note: CPC technology kills germs naturally with no chemicals. Electronically adjustable sound and speed.		
10 28 13 13-0215 EA Surface Mounted, Automatic Sensor, Satin Chrome Finish Steel Cover, CPC Technology, Dries Hands In 10 To 12 Seconds, Hand Dryer (American Dryer CPC9-C)	777.75	25.97
Note: CPC technology kills germs naturally with no chemicals. Electronically adjustable sound and speed.		
10 28 13 13-0216 EA Surface Mounted, Automatic Sensor, Stainless Steel Cover, CPC Technology, Dries Hands In 10 To 12 Seconds, Hand Dryer (American Dryer CPC9-SS)	819.21	25.97
Note: CPC technology kills germs naturally with no chemicals. Electronically adjustable sound and speed.		

10 Specialties**10 20 Interior Specialties****10 28 Toilet, Bath, And Laundry Accessories**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 28 13 13-0217 EA Surface Mounted, Automatic Sensor, White ABS Cover, Dries Hands In 10 To 12 Seconds, Hand Dryer (American Dryer GXT9).....	575.61	25.97
Note: Electronically adjustable sound and speed.		
10 28 13 13-0218 EA Surface Mounted, Automatic Sensor, White Epoxy Finish Steel Cover, Dries Hands In 10 To 12 Seconds, Hand Dryer (American Dryer GXT9-M).....	611.89	25.97
Note: Electronically adjustable sound and speed.		
10 28 13 13-0219 EA Surface Mounted, Automatic Sensor, Black Graphite Steel Cover, Dries Hands In 10 To 12 Seconds, Hand Dryer (American Dryer GXT9-BG).....	632.62	25.97
Note: Electronically adjustable sound and speed.		
10 28 13 13-0220 EA Surface Mounted, Automatic Sensor, Satin Chrome Finish Steel Cover, Dries Hands In 10 To 12 Seconds, Hand Dryer (American Dryer GXT9-C).....	653.35	25.97
Note: Electronically adjustable sound and speed.		
10 28 13 13-0221 EA Surface Mounted, Automatic Sensor, Stainless Steel Cover, Dries Hands In 10 To 12 Seconds, Hand Dryer (American Dryer GXT9-SS).....	694.82	25.97
Note: Electronically adjustable sound and speed.		
10 28 13 13-0222 EA Surface Mounted, Automatic Sensor, White ABS Cover, Dries Hands In 12 To 15 Seconds, Hand Dryer (American Dryer EXT7).....	575.61	25.97
Note: Electronically adjustable sound and speed.		
10 28 13 13-0223 EA Surface Mounted, Automatic Sensor, White Epoxy Finish Steel Cover, Dries Hands In 12 To 15 Seconds, Hand Dryer (American Dryer EXT7-M).....	611.89	25.97
Note: Electronically adjustable sound and speed.		
10 28 13 13-0224 EA Surface Mounted, Automatic Sensor, Black Graphite Finish Steel Cover, Dries Hands In 12 To 15 Seconds, Hand Dryer (American Dryer EXT7-BG).....	632.62	25.97
Note: Electronically adjustable sound and speed.		
10 28 13 13-0225 EA Surface Mounted, Automatic Sensor, Satin Chrome Finish Steel Cover, Dries Hands In 12 To 15 Seconds, Hand Dryer (American Dryer EXT7-C).....	653.35	25.97
Note: Electronically adjustable sound and speed.		
10 28 13 13-0226 EA Surface Mounted, Stainless Steel Cover, Dries Hands In 12 To 15 Seconds, Hand Dryer (American Dryer EXT7-SS).....	694.82	25.97
Note: Electronically adjustable sound and speed.		
10 28 13 13-0227 EA Surface Mounted, Automatic Sensor, White ABS Cover, Dries Hands In 25 Seconds, Hand Dryer (American Dryer AD90).....	430.48	25.97
10 28 13 13-0228 EA Surface Mounted, Automatic Sensor, White Epoxy Finish Steel Cover, Dries Hands In 25 Seconds, Hand Dryer (American Dryer AD90-M).....	466.77	25.97
10 28 13 13-0229 EA Surface Mounted, Automatic Sensor, Black Graphite Finish Steel Cover, Dries Hands In 25 Seconds, Hand Dryer (American Dryer AD90-BG).....	487.50	25.97
10 28 13 13-0230 EA Surface Mounted, Automatic Sensor, Satin Chrome Finish Steel Cover, Dries Hands In 25 Seconds, Hand Dryer (American Dryer AD90-C).....	508.23	25.97
10 28 13 13-0231 EA Surface Mounted, Stainless Steel Cover, Dries Hands In 25 Seconds, Hand Dryer (American Dryer AD90-SS).....	549.69	25.97
10 28 13 13-0232 EA Surface Mounted, Automatic Sensor, White ABS Cover, Stays On For 80 Seconds, Hair Dryer (American Dryer AD90H).....	430.48	25.97
10 28 13 13-0233 EA Surface Mounted, Automatic Sensor, White Epoxy Finish Steel Cover, Stays On For 80 Seconds, Hair Dryer (American Dryer AD90-MH).....	466.77	25.97
10 28 13 13-0234 EA Surface Mounted, Automatic Sensor, Black Graphite Finish Steel Cover, Stays On For 80 Seconds, Hair Dryer (American Dryer AD90-BGH).....	487.50	25.97
10 28 13 13-0235 EA Surface Mounted, Automatic Sensor, Satin Chrome Finish Steel Cover, Stays On For 80 Seconds, Hair Dryer (American Dryer AD90-CH).....	508.23	25.97
10 28 13 13-0236 EA Surface Mounted, Automatic Sensor, Stainless Steel Cover, Stays On For 80 Seconds, Hair Dryer (American Dryer AD90-SSH).....	549.69	25.97
10 28 13 13-0237 EA Surface Mounted, Automatic Sensor, ABS Cover, Hand Dryer (American Dryer GX1).....	326.82	25.97
10 28 13 13-0238 EA Surface Mounted, Automatic Sensor, White Epoxy Finish Steel Cover, Hand Dryer (American Dryer GX1-M).....	363.11	25.97
10 28 13 13-0239 EA Surface Mounted, Automatic Sensor, Satin Chrome Finish Steel Cover, Hand Dryer (American Dryer GX1-C).....	404.57	25.97
10 28 13 13-0240 Hand Dryers (Excel XLERATOR®) (10 28 13 13-0001)		
Note: With or without noise reduction nozzle options.		
10 28 13 13-0241 EA Surface Mounted, Automatic Sensor, White Epoxy Painted Finish, Zinc-Die Cast Cover, Hand Dryer (Excel XLERATOR® XL-W).....	589.78	25.97
For ADA-Compliant Recess Kit, Add	164.96	
10 28 13 13-0242 EA Surface Mounted, Automatic Sensor, White Epoxy Painted Finish, Zinc-Die Cast Cover, Hand Dryer With HEPA Filtration System (Excel XLERATOR® XL-WH).....	809.56	25.97
For ADA-Compliant Recess Kit, Add	164.96	
10 28 13 13-0243 EA Surface Mounted, Automatic Sensor, Graphite Textured Painted Finish, Zinc-Die Cast Cover, Hand Dryer (Excel XLERATOR® XL-GR).....	683.10	25.97
For ADA-Compliant Recess Kit, Add	164.96	
10 28 13 13-0244 EA Surface Mounted, Automatic Sensor, Graphite Textured Painted Finish, Zinc-Die Cast Cover Hand Dryer With HEPA Filtration System (Excel Xlerator XL-GRH).....	841.17	25.97
For ADA-Compliant Recess Kit, Add	164.96	
10 28 13 13-0245 EA Surface Mounted, Automatic Sensor, Chrome Plated Finish, Zinc-Die Cast Cover, Hand Dryer (Excel XLERATOR® XL-C).....	730.52	25.97
For ADA-Compliant Recess Kit, Add	164.96	
10 28 13 13-0246 EA Surface Mounted, Automatic Sensor, Chrome Plated Finish, Zinc-Die Cast Cover, Hand Dryer With HEPA Filtration System (Excel XLERATOR® XL-CH).....	888.59	25.97
For ADA-Compliant Recess Kit, Add	164.96	
10 28 13 13-0247 EA Surface Mounted, Automatic Sensor, Brushed Finish, Stainless Steel Cover, Hand Dryer (Excel XLERATOR® XL-SB).....	730.52	25.97
For ADA-Compliant Recess Kit, Add	164.96	
10 28 13 13-0248 EA Surface Mounted, Automatic Sensor, Brushed Finish, Stainless Steel Cover, Hand Dryer With HEPA Filtration System (Excel XLERATOR® XL-SBH).....	888.59	25.97
For ADA-Compliant Recess Kit, Add	164.96	
10 28 13 13-0249 EA Surface Mounted, Automatic Sensor, Custom Color Painted Finish, Zinc-Die Cast Cover, Hand Dryer (Excel XLERATOR® XL-SP).....	683.10	25.97
For ADA-Compliant Recess Kit, Add	164.96	



Specialties	10
Interior Specialties	10 20
Toilet, Bath, And Laundry Accessories	10 28

10

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 28 13 13-0250 EA Surface Mounted, Automatic Sensor, Custom Color Painted Finish, Zinc-Die Cast Cover, Hand Dryer With HEPA Filtration System (Excel XLERATOR® XL-SPH).....	841.17	25.97
For ADA-Compliant Recess Kit, Add	164.96	
10 28 13 13-0251 EA Surface Mounted, Automatic Sensor, White Finish, Polymer Cover (BMC), Hand Dryer (Excel XLERATOR® XL-BW).....	619.88	25.97
For ADA-Compliant Recess Kit, Add	164.96	
10 28 13 13-0252 EA Surface Mounted, Automatic Sensor, White Finish, Polymer Cover (BMC), Hand Dryer With HEPA Filtration System (Excel XLERATOR® XL-BWH).....	777.94	25.97
For ADA-Compliant Recess Kit, Add	164.96	
10 28 13 13-0253 EA Surface Mounted, Automatic Sensor, White Epoxy Painted Finish, Zinc-Die Cast Cover, No Heat Hand Dryer (Excel XLERATORReco® XL-W-ECO).....	589.78	25.97
For ADA-Compliant Recess Kit, Add	164.96	
10 28 13 13-0254 EA Surface Mounted, Automatic Sensor, White Epoxy Painted Finish, Zinc-Die Cast Cover, No Heat Hand Dryer With HEPA Filtration System (Excel XLERATORReco® XL-WH-ECO).....	809.56	25.97
For ADA-Compliant Recess Kit, Add	164.96	
10 28 13 13-0255 EA Surface Mounted, Automatic Sensor, Graphite Textured Painted Finish, Zinc-Die Cast Cover, No Heat Hand Dryer (Excel XLERATORReco® XL-GR-ECO).....	683.10	25.97
For ADA-Compliant Recess Kit, Add	164.96	
10 28 13 13-0256 EA Surface Mounted, Automatic Sensor, Graphite Textured Painted Finish, Zinc-Die Cast Cover, No Heat Hand Dryer With HEPA Filtration System (Excel XLERATORReco® XL-GRH-ECO).....	841.17	25.97
For ADA-Compliant Recess Kit, Add	164.96	
10 28 13 13-0257 EA Surface Mounted, Automatic Sensor, Chrome Plated Finish, Zinc-Die Cast Cover, No Heat Hand Dryer (Excel XLERATORReco® XL-C-ECO).....	730.52	25.97
For ADA-Compliant Recess Kit, Add	164.96	
10 28 13 13-0258 EA Surface Mounted, Automatic Sensor, Chrome Plated Finish, Zinc-Die Cast Cover, No Heat Hand Dryer With HEPA Filtration System (Excel XLERATORReco® XL-CH-ECO).....	888.59	25.97
For ADA-Compliant Recess Kit, Add	164.96	
10 28 13 13-0259 EA Surface Mounted, Automatic Sensor, Brushed Finish, Stainless Steel Cover, No Heat Hand Dryer (Excel XLERATORReco® XL-SB-ECO).....	730.52	25.97
For ADA-Compliant Recess Kit, Add	164.96	
10 28 13 13-0260 EA Surface Mounted, Automatic Sensor, Brushed Finish, Stainless Steel Cover, No Heat Hand Dryer With HEPA Filtration System (Excel XLERATORReco® XL-SBH-ECO).....	888.59	25.97
For ADA-Compliant Recess Kit, Add	164.96	
10 28 13 13-0261 EA Surface Mounted, Automatic Sensor, Custom Color Painted Finish, Zinc-Die Cast Cover, No Heat Hand Dryer (Excel XLERATORReco® XL-SP-ECO).....	683.10	25.97
For ADA-Compliant Recess Kit, Add	164.96	
10 28 13 13-0262 EA Surface Mounted, Automatic Sensor, Custom Color Painted Finish, Zinc-Die Cast Cover, No Heat Hand Dryer With HEPA Filtration System (Excel XLERATORReco® XL-SPH-ECO).....	841.17	25.97
For ADA-Compliant Recess Kit, Add	164.96	
10 28 13 13-0263 EA Surface Mounted, Automatic Sensor, White Finish, Polymer Cover (BMC), No Heat Hand Dryer (Excel XLERATORReco® XL-BW-ECO).....	619.88	25.97
For ADA-Compliant Recess Kit, Add	164.96	
10 28 13 13-0264 EA Surface Mounted, Automatic Sensor, White Finish, Polymer Cover (BMC), No Heat Hand Dryer With HEPA Filtration System (Excel XLERATORReco® XL-BWH-ECO).....	777.94	25.97
For ADA-Compliant Recess Kit, Add	164.96	
10 28 13 13-0265 Additional Accessories (10 28 13 13-0001)		
10 28 13 13-0266 Hooks (10 28 13 13-0265)		
10 28 13 13-0267 EA Stainless Steel Clothes Hook And Bumper (Bobrick B-212).....	24.51	9.04
10 28 13 13-0268 EA Single Stainless Steel Robe Hook (Bobrick B-233).....	28.79	9.04
10 28 13 13-0269 EA Single Stainless Steel Robe Hook (Bobrick B-7671).....	24.89	9.04
10 28 13 13-0270 EA Double Stainless Steel Robe Hook (Bobrick B-7672).....	26.81	9.04
10 28 13 13-0271 EA Double Stainless Steel Robe Hook (Bobrick B-672 or B-6727).....	42.80	9.04
10 28 13 13-0272 EA Single Stainless Steel Robe Hook (Bobrick B-6717).....	38.91	9.04
10 28 13 13-0273 Clotheslines (10 28 13 13-0265)		
10 28 13 13-0274 EA Surface Mounted, Stainless Steel Retractable Clothesline (Gamco 7636).....	42.84	18.08
10 28 13 13-0275 Towel Bars (10 28 13 13-0265)		
10 28 13 13-0276 EA 18" Length, 3/4" Square, Stainless Steel Towel Bar (Gamco 7673x18).....	53.03	20.34
10 28 13 13-0277 EA 24" Length, 3/4" Square, Stainless Steel Towel Bar (Gamco 7673x24).....	53.18	20.34
10 28 13 13-0278 EA 18" Length, 3/4" Diameter, Stainless Steel Towel Bar (Gamco 7674x18).....	58.89	20.34
10 28 13 13-0279 EA 24" Length, 3/4" Diameter, Stainless Steel Towel Bar (Gamco 7674x24).....	59.43	20.34
10 28 13 13-0280 EA 18" Length, 3/4" Square, Stainless Steel Towel Bar (Bobrick B-673).....	84.48	20.34
10 28 13 13-0281 EA 24" Length, 3/4" Square, Stainless Steel Towel Bar (Bobrick B-673).....	87.78	20.34
10 28 13 13-0282 EA 18" Length, 3/4" Diameter, Stainless Steel Towel Bar (Bobrick B-674).....	87.01	20.34
10 28 13 13-0283 EA 24" Length, 3/4" Diameter, Stainless Steel Towel Bar (Bobrick B-674).....	89.73	20.34
10 28 13 13-0284 EA 18" Length, 1" Diameter, Heavy-Duty, Stainless Steel Towel Bar (Bobrick B-205).....	94.61	20.34
10 28 13 13-0285 EA 24" Length, 1" Diameter, Heavy-Duty, Stainless Steel Towel Bar (Bobrick B-205).....	97.50	20.34
10 28 13 13-0286 EA 18" Length, 1" Diameter, Extra-Heavy-Duty, Stainless Steel Towel Bar/Grab Bar (Bobrick B-530).....	73.38	20.34
10 28 13 13-0287 EA 24" Length, 1" Diameter, Extra-Heavy-Duty, Stainless Steel Towel Bar/Grab Bar (Bobrick B-530).....	75.91	20.34
10 28 13 13-0288 Towel Bar With Shelf (10 28 13 13-0265)		
10 28 13 13-0289 EA 24" Length, Stainless Steel Towel Shelf With Towel Bar (Bobrick B-676).....	158.46	20.34
10 28 13 13-0290 Towel Pins (10 28 13 13-0265)		
10 28 13 13-0291 EA Stainless Steel Towel Pin (Bobrick B-677).....	41.44	9.04

10 Specialties**10 20 Interior Specialties****10 28 Toilet, Bath, And Laundry Accessories**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

10 28 13 13-0292	Mirrors <small>(10 28 13 13)</small>		
10 28 13 13-0293	Stainless Steel Channel Frame Glass Mirrors <small>(10 28 13 13-0292)</small>		
10 28 13 13-0294	EA 16" x 24", Surface Mounted, Stainless Steel Channel Frame Glass Mirror (Gamco C-16x24)	88.77	22.59
10 28 13 13-0295	EA 18" x 24", Surface Mounted, Stainless Steel Channel Frame Glass Mirror (Bobrick B-165 1824)	99.45	22.59
10 28 13 13-0296	EA 18" x 30", Surface Mounted, Stainless Steel Channel Frame Glass Mirror (Bobrick B-165 1830)	103.16	22.59
	<i>For Tempered Glass (B-1658), Add</i>	31.08	
10 28 13 13-0297	EA 18" x 36", Surface Mounted, Stainless Steel Channel Frame Glass Mirror (Bobrick B-165 1836)	110.74	22.59
	<i>For Tempered Glass (B-1658), Add</i>	36.39	
10 28 13 13-0298	EA 24" x 30", Surface Mounted, Stainless Steel Channel Frame Glass Mirror (Bobrick B-165 2430)	120.48	22.59
10 28 13 13-0299	EA 24" x 36", Surface Mounted, Stainless Steel Channel Frame Glass Mirror (Bobrick B-165 2436)	124.57	22.59
	<i>For Tempered Glass (B-1658), Add</i>	46.07	
10 28 13 13-0300	EA 24" x 48", Surface Mounted, Stainless Steel Channel Frame Glass Mirror (Bobrick B-165 2448)	151.44	22.59
10 28 13 13-0301	EA 24" x 60", Surface Mounted, Stainless Steel Channel Frame Glass Mirror (Bobrick B-165 2460)	173.44	22.59
10 28 13 13-0302	EA 36" x 36", Surface Mounted, Stainless Steel Channel Frame Glass Mirror (Gamco C-36x36)	207.07	22.59
10 28 13 13-0303	EA 48" x 36", Surface Mounted, Stainless Steel Channel Frame Glass Mirror (Bobrick B-165 4836)	258.14	22.59
10 28 13 13-0304	EA 60" x 36", Surface Mounted, Stainless Steel Channel Frame Glass Mirror (Gamco C-60x36)	289.16	22.59
10 28 13 13-0305	Stainless Steel Channel Frame Glass Mirror/Shelf Combination <small>(10 28 13 13-0292)</small>		
10 28 13 13-0306	EA 18" x 24", Surface Mounted, Stainless Steel Channel Frame Glass Mirror/Shelf Combination (Bobrick B-166 1824)	156.50	22.59
10 28 13 13-0307	EA 18" x 30", Surface Mounted, Stainless Steel Channel Frame Glass Mirror/Shelf Combination (Bobrick B-166 1830)	167.99	22.59
10 28 13 13-0308	EA 18" x 36", Surface Mounted, Stainless Steel Channel Frame Glass Mirror/Shelf Combination (Bobrick B-166 1836)	175.58	22.59
10 28 13 13-0309	EA 24" x 36", Surface Mounted, Stainless Steel Channel Frame Glass Mirror/Shelf Combination (Bobrick B-166 2436)	197.00	22.59
10 28 13 13-0310	Stainless Steel Angle Frame Glass Mirrors <small>(10 28 13 13-0292)</small>		
10 28 13 13-0311	EA 18" x 24", Surface Mounted, Stainless Steel Angle Frame Glass Mirror (Bobrick B-290 1824)	140.32	22.59
10 28 13 13-0312	EA 18" x 30", Surface Mounted, Stainless Steel Angle Frame Glass Mirror (Bobrick B-290 1830)	153.00	22.59
	<i>For Tempered Glass (B-2908), Add</i>	62.20	
10 28 13 13-0313	EA 18" x 36", Surface Mounted, Stainless Steel Angle Frame Glass Mirror (Bobrick B-290 1836)	157.28	22.59
	<i>For Tempered Glass (B-2908), Add</i>	65.02	
10 28 13 13-0314	EA 24" x 30", Surface Mounted, Stainless Steel Angle Frame Glass Mirror (Bobrick B-290 2430)	182.59	22.59
10 28 13 13-0315	EA 24" x 36", Surface Mounted, Stainless Steel Angle Frame Glass Mirror (Bobrick B-290 2436)	183.56	22.59
	<i>For Tempered Glass (B-2908), Add</i>	82.37	
10 28 13 13-0316	EA 24" x 48", Surface Mounted, Stainless Steel Angle Frame Glass Mirror (Bobrick B-290 2448)	242.16	22.59
10 28 13 13-0317	EA 24" x 60", Surface Mounted, Stainless Steel Angle Frame Glass Mirror (Bobrick B-290 2460)	283.05	22.59
10 28 13 13-0318	EA 24" x 72", Surface Mounted, Stainless Steel Angle Frame Glass Mirror (Bobrick B-290 2472)	321.22	22.59
10 28 13 13-0319	EA 36" x 36", Surface Mounted, Stainless Steel Angle Frame Glass Mirror (Gamco A-36x36)	217.28	22.59
10 28 13 13-0320	EA 48" x 36", Surface Mounted, Stainless Steel Angle Frame Glass Mirror (Gamco A-48x36)	262.78	22.59
10 28 13 13-0321	EA 72" x 36", Surface Mounted, Stainless Steel Angle Frame Glass Mirror (Gamco A-72x36)	397.36	22.59
10 28 13 13-0322	Stainless Steel Angle Frame Glass Mirror/Shelf Combination <small>(10 28 13 13-0292)</small>		
10 28 13 13-0323	EA 18" x 24", Surface Mounted, Stainless Steel Angle Frame Glass Mirror/Shelf Combination (Gamco AS-18x24)	144.75	22.59
10 28 13 13-0324	EA 18" x 30", Surface Mounted, Stainless Steel Angle Frame Glass Mirror/Shelf Combination (Bobrick B-292-1830)	276.24	22.59
10 28 13 13-0325	EA 18" x 36", Surface Mounted, Stainless Steel Angle Frame Glass Mirror/Shelf Combination (Bobrick B-292-1836)	289.09	22.59
10 28 13 13-0326	EA 24" x 36", Surface Mounted, Stainless Steel Angle Frame Glass Mirror/Shelf Combination (Bobrick B-292-2436)	321.22	22.59
10 28 13 13-0327	Frameless Stainless Steel Mirrors <small>(10 28 13 13-0292)</small>		
10 28 13 13-0328	EA 17-1/2" x 29-1/2", Frameless Stainless Steel Mirror (Bobrick B-1556 1830)	156.11	22.59
10 28 13 13-0329	EA 23-1/2" x 35-1/2", Frameless Stainless Steel Mirror (Bobrick B-1556 2436)	199.13	22.59
10 28 13 13-0330	Fixed-Position Tilt, Stainless Steel Frame Glass Mirrors <small>(10 28 13 13-0292)</small>		
10 28 13 13-0331	EA 16" x 30", Surface Mounted, Fixed-Position Tilt, Stainless Steel Frame Glass Mirror (Bobrick B-293 1630)	208.87	22.59
10 28 13 13-0332	EA 18" x 30", Surface Mounted, Fixed-Position Tilt, Stainless Steel Frame Glass Mirror (Bobrick B-293 1830)	217.25	22.59
10 28 13 13-0333	EA 18" x 36", Surface Mounted, Fixed-Position Tilt, Stainless Steel Frame Glass Mirror (Bobrick B-293 1836)	261.06	22.59
10 28 13 13-0334	EA 24" x 36", Surface Mounted, Fixed-Position Tilt, Stainless Steel Frame Glass Mirror (Bobrick B-293 2436)	318.88	22.59
10 28 13 13-0335	Medicine Cabinets <small>(10 28 13 13)</small>		
10 28 13 13-0336	Metal Medicine Cabinets <small>(10 28 13 13-0335)</small>		
10 28 13 13-0337	EA 20" x 26", Surface Mounted, Aluminum Medicine Cabinet (Kohler K-CB)	233.24	45.20
10 28 13 13-0338	EA 15-1/2" x 25-7/8", Recessed Mounted, All-Steel Medicine Cabinet (Bobrick B-397)	188.83	45.20
	Note: Includes three adjustable plastic shelves.		
10 28 13 13-0339	EA 14-1/8" x 20-1/4", Surface Mounted, All-Steel Medicine Cabinet (Bobrick B-297)	194.37	45.20
	Note: Includes two fixed shelves with baked white enamel finish.		
10 28 13 13-0340	EA 15-1/4" x 25-1/2", Recessed Mounted, Stainless Steel Medicine Cabinet (Bobrick B-398)	405.62	45.20
	Note: Includes four adjustable stainless steel shelves.		
10 28 13 13-0341	EA 17" x 26-7/8", Surface Mounted, Stainless Steel Medicine Cabinet (Bobrick B-299)	550.67	45.20
	Note: Includes four adjustable shelves.		



Specialties	10	10
Interior Specialties	10 20	
Toilet, Bath, And Laundry Accessories	10 28	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 28 13 13-0342 Janitorial Material <small>(10 28 13 13)</small>		
10 28 13 13-0343 EA Stainless Steel Pail And Ladder Utility Hook (Bobrick B-670).....	38.91	9.04
10 28 13 13-0344 EA 24" Length, Stainless Steel Utility Hook Strip (Bobrick B-232x24).....	100.25	20.34
10 28 13 13-0345 EA 24" Length, 3 Handle Capacity, Stainless Steel Mop And Broom Holder (Bobrick B-223x24).....	96.75	20.34
10 28 13 13-0346 EA 30" Length, 3 Handle Capacity, Stainless Steel Mop And Broom Holder (Gamco MS-1).....	109.08	20.34
10 28 13 13-0347 EA 36" Length, 3 Handle Capacity, Stainless Steel Mop And Broom Holder (Bobrick B-223x36).....	121.28	20.34
10 28 13 13-0348 EA 36" Length, Utility Hook Strip (Gamco HCS-2).....	83.06	20.34
10 28 13 13-0349 EA 36" Length, Stainless Steel Custodian Utility Shelf With Mop And Broom Holders And Rag Hooks (Bobrick B-224x36).....	219.79	20.34
10 28 13 13-0350 EA 34" Length, 3 Handle Capacity, Stainless Steel Mop And Broom Holder With Shelf And Rag Hooks (Bobrick B-239x34).....	313.84	20.34
10 28 13 13-0351 Remove And Reinstall Bathroom Accessories <small>(10 28 13 13)</small>		
10 28 13 13-0352 EA Removal And Reinstallation Of Bathroom Accessory.....	28.25	
10 28 13 19 Healthcare Toilet Accessories <small>(10 28 13)</small>		
10 28 13 19-0001 EA Surface Mounted, Stainless Steel Bedpan/Urinal Holder (Bradley BR-9905).....	141.47	28.30
10 28 13 19-0002 EA Recessed Mounted, Stainless Steel Bedpan Storage Cabinet (Bradley BR-990).....	502.27	28.30
10 28 13 19-0003 EA Stainless Steel Foot Operated Soap Dispenser (Bradley BR-6843).....	183.85	75.30
10 28 13 63 Detention Toilet Accessories <small>(10 28 13)</small>		
10 28 13 63-0001 1-1/2" Diameter, 18 Gauge, Stainless Steel Suicide Resistant Security Grab Bar <small>(10 28 13 63)</small>		
10 28 13 63-0002 EA 18" Length, 1-1/2" Diameter, 18 Gauge, Stainless Steel Suicide Resistant Security Grab Bar (Bradley SA70-001180).....	112.24	18.08
10 28 13 63-0003 EA 24" Length, 1-1/2" Diameter, 18 Gauge, Stainless Steel Suicide Resistant Security Grab Bar (Bradley SA70-001240).....	116.77	18.08
10 28 13 63-0004 EA 36" Length, 1-1/2" Diameter, 18 Gauge, Stainless Steel Suicide Resistant Security Grab Bar (Bradley SA70-001360).....	119.78	18.08
10 28 13 63-0005 EA 42" Length, 1-1/2" Diameter, 18 Gauge, Stainless Steel Suicide Resistant Security Grab Bar (Bradley SA70-001420).....	131.33	18.08
10 28 13 63-0006 EA 60" Length, 1-1/2" Diameter, 18 Gauge, Stainless Steel Suicide Resistant Security Grab Bar (Bradley SA70-002600).....	254.14	18.08
10 28 16 Bath Accessories <small>(10 28)</small>		
10 28 16 13 Residential Bath Accessories <small>(10 28 16)</small>		
10 28 16 13-0001 Toilet Accessories <small>(10 28 16 13)</small>		
10 28 16 13-0002 Recessed Mounted, Chrome Plated Toilet Accessories <small>(10 28 16 13-0001)</small>		
10 28 16 13-0003 EA Single Roll, Recessed Mounted, Chrome Plated Toilet Paper Holder.....	62.78	20.34
10 28 16 13-0004 EA Recessed Mounted, Chrome Plated Soap Dish.....	75.43	20.34
10 28 16 13-0005 EA Recessed Mounted, Chrome Plated Soap Dish And Bar.....	78.00	20.34
10 28 16 13-0006 EA Recessed Mounted, Chrome Plated Tumbler Holder.....	63.87	20.34
10 28 16 13-0007 Surface Mounted, Chrome Plated Toilet Accessories <small>(10 28 16 13-0001)</small>		
10 28 16 13-0008 EA Surface Mounted, Chrome Plated Soap Dish.....	37.40	13.56
10 28 16 13-0009 EA Surface Mounted, Chrome Plated Single Clothes Hook.....	40.26	13.56
10 28 16 13-0010 EA Surface Mounted, Chrome Plated Double Clothes Hook.....	40.26	13.56
10 28 16 13-0011 LF 6" Deep, Surface Mounted, Chrome Plated Supports, Glass Shelf.....	62.62	13.56
10 28 16 13-0012 EA 6" Deep, Surface Mounted, Stainless Steel Shelf.....	55.41	13.56
10 28 16 13-0013 EA 18" Length, Surface Mounted, Chrome Plated Towel Bar.....	49.01	18.08
10 28 16 13-0014 EA 24" Length, Surface Mounted, Chrome Plated Towel Bar.....	49.33	18.08
10 28 16 13-0015 EA Surface Mounted, Chrome Plated Towel Ring.....	36.69	13.56
10 28 16 13-0016 EA Surface Mounted, Chrome Plated Tumbler And Toothbrush Holder.....	23.84	20.34
10 28 16 13-0017 EA Single Roll, Surface Mounted, Chrome Plated Toilet Paper Holder.....	37.40	13.56
10 28 16 13-0018 EA Two Roll, Surface Mounted, Chrome Plated Toilet Paper Holder.....	56.62	13.56
10 28 16 13-0019 EA Surface Mounted, Chrome Plated Globe Soap Dispenser.....	41.25	13.56
10 28 16 13-0020 EA Surface Mounted, Chrome Plated Towel Pin.....	42.55	13.56
10 28 16 13-0021 EA Surface Mounted, Chrome Plated Towel Ladder And Shelf.....	86.26	13.56
10 28 16 13-0022 EA Surface Mounted, Retractable Chrome Plated Bath/Shower Clothesline.....	54.00	13.56
10 28 16 13-0023 EA 24" Length, Cut To Size Towel Bar, Surface Mounted, Ceramic Base Towel Bar.....	64.48	13.56
10 28 16 13-0024 Solid Oak Medicine Cabinets <small>(10 28 16 13-0001)</small>		
Note: Surface or recessed mounted, premium quality.		
10 28 16 13-0025 EA 24" x 30", Unlighted, Solid Oak Medicine Cabinet With Mirror.....	310.33	45.20
10 28 16 13-0026 EA 24" x 35", Lighted, Solid Oak Medicine Cabinet With Mirror.....	389.82	45.20
10 28 16 13-0027 EA 30" x 30" Unlighted, Solid Oak Medicine Cabinet With Mirror.....	327.50	45.20
10 28 16 13-0028 EA 30" x 35", Lighted, Solid Oak Medicine Cabinet With Mirror.....	413.24	45.20
10 28 16 13-0029 EA 36" x 30", Unlighted, Solid Oak Medicine Cabinet With Mirror.....	338.33	45.20
10 28 16 13-0030 EA 36" x 35", Lighted, Solid Oak Medicine Cabinet With Mirror.....	433.82	45.20
10 28 16 13-0031 EA 48" x 30", Unlighted, Solid Oak Medicine Cabinet With Mirror.....	353.20	45.20
10 28 16 13-0032 EA 48" x 35", Lighted, Solid Oak Medicine Cabinet With Mirror.....	458.96	45.20

10 Specialties**10 20 Interior Specialties****10 28 Toilet, Bath, And Laundry Accessories**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 28 16 13-0033 Toilet Accessories <small>(10 28 16 13-0001)</small>		
10 28 16 13-0034 EA Surface Mounted Paper Towel Dispenser, Plastic.....	56.96	20.34
10 28 16 13-0035 EA Surface Mounted Napkin Disposal, Plastic.....	53.36	20.34
10 28 16 13-0036 EA Soap Dispenser For Soaps And Detergent, 50 Fluid Oz, Plastic.....	54.63	
10 28 16 13-0037 EA Soap Dispenser For Antibacterial Soaps, 50 Fluid Oz, Plastic.....	58.44	20.34
10 28 16 13-0038 EA Multi Roll (2) Toilet Tissue Dispenser, Plastic.....	56.97	20.34
10 28 16 13-0039 EA Single Jumbo Roll Toilet Tissue Dispenser, Plastic.....	69.74	24.86
10 28 16 13-0040 EA Surface Mounted Toilet Seat Cover Dispenser, Plastic.....	44.21	18.08
10 28 16 13-0041 EA Waste Door For Countertops, 13 Gallon, Plastic.....	116.46	33.90
10 28 19 Tub and Shower Enclosures <small>(10 28)</small>		
10 28 19 16 Shower Doors <small>(10 28 19)</small>		
10 28 19 16-0001 Swinging Shower Doors <small>(10 28 19 16)</small>		
10 28 19 16-0002 Framed, Swinging Shower Doors <small>(10 28 19 16-0001)</small>		
10 28 19 16-0003 EA 24-1/4" To 26" Opening, Silver Finish Frame, Tempered Safety Glass, Swinging Shower Door (American Standard AM00801).....	361.12	27.86
10 28 19 16-0004 EA 27-1/4" To 29" Opening, Silver Finish Frame, Tempered Safety Glass, Swinging Shower Door (American Standard AM00802).....	377.48	27.86
10 28 19 16-0005 EA 29-5/8" To 31-3/8" Opening, Silver Finish Frame, Tempered Safety Glass, Swinging Shower Door (American Standard AM00803).....	445.33	27.86
10 28 19 16-0006 EA 33-1/8" To 34-7/8" Opening, Silver Finish Frame, Tempered Safety Glass, Swinging Shower Door (American Standard AM00804).....	375.74	27.86
10 28 19 16-0007 EA 35-1/8" To 36-7/8" Opening, Silver Finish Frame, Tempered Safety Glass, Swinging Shower Door (American Standard AM00805).....	398.91	27.86
10 28 19 16-0008 Frameless, Swinging Shower Doors <small>(10 28 19 16-0001)</small>		
10 28 19 16-0009 EA 24-9/16" To 25-7/16" Opening, Frameless, Tempered Safety Glass, Swinging Shower Door (American Standard AM0301D).....	535.64	27.86
10 28 19 16-0010 EA 31-1/16" To 31-15/16" Opening, Frameless, Tempered Safety Glass, Swinging Shower Door (American Standard AM0302D).....	558.32	27.86
10 28 19 16-0011 EA 32-11/16" To 33-9/16" Opening, Frameless, Tempered Safety Glass, Swinging Shower Door (American Standard AM0303D).....	579.66	27.86
10 28 19 16-0012 EA 34-3/16" To 35-1/16" Opening, Frameless, Tempered Safety Glass, Swinging Shower Door (American Standard AM0304D).....	602.34	27.86
10 28 19 16-0013 EA 35-3/16" To 36-1/16" Opening, Frameless, Tempered Safety Glass, Swinging Shower Door (American Standard AM0305D).....	624.35	27.86
10 28 19 16-0014 Sliding Shower Doors <small>(10 28 19 16)</small>		
10 28 19 16-0015 Framed, Sliding Shower Doors <small>(10 28 19 16-0014)</small>		
10 28 19 16-0016 EA 40" To 42" Opening, Silver Finish Frame, Tempered Safety Glass, By-Pass Sliding Shower Door (American Standard AM00735).....	590.57	27.86
10 28 19 16-0017 EA 44" To 46" Opening, Silver Finish Frame, Tempered Safety Glass, By-Pass Sliding Shower Door (American Standard AM00745).....	544.68	27.86
10 28 19 16-0018 EA 46" To 48" Opening, Silver Finish Frame, Tempered Safety Glass, By-Pass Sliding Shower Door (American Standard AM00775).....	557.04	27.86
10 28 19 16-0019 EA 52" To 54" Opening, Silver Finish Frame, Tempered Safety Glass, By-Pass Sliding Shower Door (American Standard AM00729).....	570.18	27.86
10 28 19 16-0020 EA 54" To 56" Opening, Silver Finish Frame, Tempered Safety Glass, By-Pass Sliding Shower Door (American Standard AM00794).....	577.52	27.86
10 28 19 16-0021 EA 56" To 60" Opening, Silver Finish Frame, Tempered Safety Glass, By-Pass Sliding Shower Door (American Standard AM00795).....	588.38	27.86
10 28 19 16-0022 Frameless, Sliding Shower Doors <small>(10 28 19 16-0014)</small>		
10 28 19 16-0023 EA 40" To 44" Opening, 65-1/2" Height, Frameless, Tempered Safety Glass, By-Pass Sliding Shower Door (American Standard AM00335).....	610.67	27.86
10 28 19 16-0024 EA 44" To 48" Opening, 65-1/2" Height, Frameless, Tempered Safety Glass, By-Pass Sliding Shower Door (American Standard AM00345).....	735.51	27.86
10 28 19 16-0025 EA 56" To 60" Opening, 65-1/2" Height, Frameless, Tempered Safety Glass, By-Pass Sliding Shower Door (American Standard AM00394).....	777.53	27.86
10 28 19 16-0026 EA 40" To 44" Opening, 70" Height, Frameless, Tempered Safety Glass, By-Pass Sliding Shower Door (American Standard AM00330).....	706.25	27.86
10 28 19 16-0027 EA 44" To 48" Opening, 70" Height, Frameless, Tempered Safety Glass, By-Pass Sliding Shower Door (American Standard AM00370).....	715.45	27.86
10 28 19 16-0028 EA 56" To 60" Opening, 70" Height, Frameless, Tempered Safety Glass, By-Pass Sliding Shower Door (American Standard AM00390).....	800.96	27.86
10 28 19 19 Tub Doors <small>(10 28 19)</small>		
10 28 19 19-0001 Sliding Bathtub Doors <small>(10 28 19 19)</small>		
10 28 19 19-0002 Framed, Sliding Bathtub Doors <small>(10 28 19 19-0001)</small>		



Specialties	10
Interior Specialties	10 20
Toilet, Bath, And Laundry Accessories	10 28

10

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 28 19 19-0003	EA		52" To 54" Opening, Silver Finish Frame, Tempered Safety Glass, By-Pass Sliding Bathtub Door (American Standard AM00725)	530.88	27.86
10 28 19 19-0004	EA		54" To 56" Opening, Silver Finish Frame, Tempered Safety Glass, By-Pass Sliding Bathtub Door (American Standard AM00749)	536.16	27.86
10 28 19 19-0005	EA		56" To 60" Opening, Silver Finish Frame, Tempered Safety Glass, By-Pass Sliding Bathtub Door (American Standard AM00750)	548.12	27.86

10 40 Safety Specialties ⁽¹⁰⁾

10 41 Emergency Access And Information Cabinets ^(10 40)

10 41 13 Fire Department Plan Cabinets ^(10 41)

10 41 13 00-0001 Fire Department Plan Cabinets (Knox) ^(10 41 13)

10 41 13 00-0002	EA		18" High x 14-1/2" Wide x 5" Deep, Light Gray Finish, Surface Mount, Fire Department Emergency Storage Cabinet (Knox 1300).....	877.23	29.38
			For Tamper Switch Connected To Existing Alarm System, Add	40.00	
			For Dual Locks, Add	60.00	
			For Back Key Hook Panel, Add	58.37	
			For Swing Key Hook Panel, Add	157.37	
			For Non-Locking Weather Housing, Add	395.11	
10 41 13 00-0003	EA		18" High x 14-1/2" Wide x 7" Deep, Light Gray Finish, Surface Mount, Fire Department Emergency Storage Cabinet (Knox 1300).....	928.87	29.38
			For Tamper Switch Connected To Existing Alarm System, Add	40.00	
			For Dual Locks, Add	60.00	
			For Back Key Hook Panel, Add	58.37	
			For Swing Key Hook Panel, Add	157.37	
			For Second Swing Key Hook Panel, Add	124.37	
			For Non-Locking Weather Housing, Add	395.11	

10 41 16 Emergency Key Cabinets ^(10 41)

10 41 16 00-0001 Emergency Key Cabinets (Knox) ^(10 41 16)

10 41 16 00-0002	EA		Elevator/Lobby, Deep Red Finish, Surface Mount, Fire Department Emergency Key Storage Box (Knox 1403).....	448.63	29.38
			For Tamper Switch Connected To Existing Alarm System, Add	40.00	
10 41 16 00-0003	EA		5" High x 4" Wide x 3-3/4" Deep, Black Finish, Surface Mount, Fire Department Emergency Storage Box (Knox-Box 3200).....	396.99	29.38
			For Lift-Off Door, Deduct	-40.00	
			For Aluminum Or Dark Bronze Finish, Add	10.00	
			For Tamper Switch Connected To Existing Alarm System, Add	40.00	
			For Recess Mount, Add	56.86	
			For Cast-In-Place Concrete Recess Mounting, Add	119.00	
10 41 16 00-0004	EA		6" High x 6" Wide x 4-1/2" Deep, Black Finish, Surface Mount, Fire Department Emergency Storage Box (Knox-Vault 4100).....	523.51	29.38
			For Aluminum Or Dark Bronze Finish, Add	10.00	
			For Tamper Switch Connected To Existing Alarm System, Add	40.00	
			For Recess Mount, Add	56.86	
			For Dual Locks, Add	60.00	
			For Cast-In-Place Concrete Recess Mounting, Add	130.00	
10 41 16 00-0005	EA		7" High x 7" Wide x 5" Deep, Black Finish, Surface Mount, Fire Department Emergency Storage Box (Knox-Vault 4400).....	555.78	29.38
			For Aluminum Or Dark Bronze Finish, Add	10.00	
			For Tamper Switch Connected To Existing Alarm System, Add	40.00	
			For Recess Mount, Add	56.86	
			For Dual Locks, Add	60.00	
			For Cast-In-Place Concrete Recess Mounting, Add	135.00	

10 44 Fire Protection Specialties ^(10 40)

10 44 13 Fire Protection Cabinets ^(10 44)

10 44 13 00-0001 Fire Extinguisher Cabinets ^(10 44 13)

10 44 13 00-0002 Recessed Fire Extinguisher Cabinets ^(10 44 13 00-0001)

10 44 13 00-0003 Steel Door And Trim, Recessed Fire Extinguisher Cabinets ^(10 44 13 00-0002)

Note: Includes powder-coat finish, full view glass or solid metal door, zinc plated handle and steel tub.					
10 44 13 00-0004	EA		9" x 18" x 5-1/2" Inside Dimensions, Recessed Steel Fire Extinguisher Cabinet.....	280.77	37.06
10 44 13 00-0005	EA		10-1/2" x 24" x 5-1/2" Inside Dimensions, Recessed Steel Fire Extinguisher Cabinet.....	285.09	37.06
10 44 13 00-0006	EA		10-1/2" x 24" x 6" Inside Dimensions, Recessed Steel Fire Extinguisher Cabinet.....	285.95	37.06
10 44 13 00-0007	EA		12" x 27" x 7-3/4" Inside Dimensions, Recessed Steel Fire Extinguisher Cabinet.....	312.71	37.06
10 44 13 00-0008	EA		16" x 32" x 7-3/4" Inside Dimensions, Recessed Steel Fire Extinguisher Cabinet.....	382.65	37.06
10 44 13 00-0009	EA		20" x 27" x 7-3/4" Inside Dimensions, Recessed Steel Fire Extinguisher Cabinet.....	392.14	37.06

10 44 13 00-0010 Aluminum Door And Trim, Recessed Fire Extinguisher Cabinets ^(10 44 13 00-0002)

Note: Includes clear anodized finish, full view glass or solid metal door, zinc plated handle and steel tub.					
10 44 13 00-0011	EA		9" x 18" x 5-1/2" Inside Dimensions, Recessed Aluminum Fire Extinguisher Cabinet.....	305.09	37.06
10 44 13 00-0012	EA		10-1/2" x 24" x 5-1/2" Inside Dimensions, Recessed Aluminum Fire Extinguisher Cabinet.....	310.06	37.06
10 44 13 00-0013	EA		10-1/2" x 24" x 6" Inside Dimensions, Recessed Aluminum Fire Extinguisher Cabinet.....	318.35	37.06
10 44 13 00-0014	EA		12" x 27" x 7-3/4" Inside Dimensions, Recessed Aluminum Fire Extinguisher Cabinet.....	332.44	37.06
10 44 13 00-0015	EA		16" x 32" x 7-3/4" Inside Dimensions, Recessed Aluminum Fire Extinguisher Cabinet.....	376.02	37.06

10 Specialties**10 40 Safety Specialties****10 44 Fire Protection Specialties**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 44 13 00-0016 EA 20" x 27" x 7-3/4" Inside Dimensions, Recessed Aluminum Fire Extinguisher Cabinet	389.28	37.06
10 44 13 00-0017 Stainless Steel Door And Trim, Recessed Fire Extinguisher Cabinets <small>(10 44 13 00-0002)</small>		
Note: Includes stainless steel finish, full view glass or solid metal door, zinc plated handle and steel tub.		
10 44 13 00-0018 EA 9" x 18" x 5-1/2" Inside Dimensions, Recessed Stainless Steel Fire Extinguisher Cabinet.....	409.77	37.06
10 44 13 00-0019 EA 10-1/2" x 24" x 5-1/2" Inside Dimensions, Recessed Stainless Steel Fire Extinguisher Cabinet	419.93	37.06
10 44 13 00-0020 EA 10-1/2" x 24" x 6" Inside Dimensions, Recessed Stainless Steel Fire Extinguisher Cabinet.....	425.00	37.06
10 44 13 00-0021 EA 12" x 27" x 7-3/4" Inside Dimensions, Recessed Stainless Steel Fire Extinguisher Cabinet.....	459.70	37.06
10 44 13 00-0022 EA 16" x 32" x 7-3/4" Inside Dimensions, Recessed Stainless Steel Fire Extinguisher Cabinet.....	529.59	37.06
10 44 13 00-0023 EA 20" x 27" x 7-3/4" Inside Dimensions, Recessed Stainless Steel Fire Extinguisher Cabinet.....	550.75	37.06
10 44 13 00-0024 Bronze Door And Trim, Recessed Fire Extinguisher Cabinets <small>(10 44 13 00-0002)</small>		
Note: Includes satin bronze finish, full view glass or solid metal door, zinc plated handle and steel tub.		
10 44 13 00-0025 EA 10-1/2" x 24" x 5-1/2" Inside Dimensions, Recessed Bronze Fire Extinguisher Cabinet.....	950.80	37.06
10 44 13 00-0026 EA 10-1/2" x 24" x 6" Inside Dimensions, Recessed Bronze Fire Extinguisher Cabinet.....	957.51	37.06
10 44 13 00-0027 EA 12" x 27" x 7-3/4" Inside Dimensions, Recessed Bronze Fire Extinguisher Cabinet.....	1,094.34	37.06
10 44 13 00-0028 Acrylic Bubble Door And Steel Trim, Recessed Fire Extinguisher Cabinets <small>(10 44 13 00-0002)</small>		
Note: Includes 180 degree visibility acrylic bubble door, zinc plated handle and steel tub.		
10 44 13 00-0029 EA 10-1/2" x 24" x 4" Inside Dimensions, Recessed Steel Fire Extinguisher Cabinet With Acrylic Bubble Door.....	336.89	37.06
10 44 13 00-0030 EA 14" x 30" x 4" Inside Dimensions, Recessed Steel Fire Extinguisher Cabinet With Acrylic Bubble Door.....	369.70	37.06
10 44 13 00-0031 Semi Recessed Fire Extinguisher Cabinets <small>(10 44 13 00-0001)</small>		
10 44 13 00-0032 Steel Door And Trim, Semi Recessed Fire Extinguisher Cabinets <small>(10 44 13 00-0031)</small>		
Note: Includes powder-coat finish, full view glass or solid metal door, zinc plated handle and steel tub.		
10 44 13 00-0033 EA 9" x 18" x 5-1/2" Inside Dimensions, Semi Recessed Steel Fire Extinguisher Cabinet.....	304.08	37.06
10 44 13 00-0034 EA 10-1/2" x 24" x 5-1/2" Inside Dimensions, Semi Recessed Steel Fire Extinguisher Cabinet.....	312.71	37.06
10 44 13 00-0035 EA 10-1/2" x 24" x 6" Inside Dimensions, Semi Recessed Steel Fire Extinguisher Cabinet.....	313.58	37.06
10 44 13 00-0036 EA 12" x 27" x 7-3/4" Inside Dimensions, Semi Recessed Steel Fire Extinguisher Cabinet.....	342.93	37.06
10 44 13 00-0037 EA 16" x 32" x 7-3/4" Inside Dimensions, Semi Recessed Steel Fire Extinguisher Cabinet.....	401.64	37.06
10 44 13 00-0038 EA 20" x 27" x 7-3/4" Inside Dimensions, Semi Recessed Steel Fire Extinguisher Cabinet.....	411.14	37.06
10 44 13 00-0039 Aluminum Door And Trim, Semi Recessed Fire Extinguisher Cabinets <small>(10 44 13 00-0031)</small>		
Note: Includes clear anodized finish, full view glass or solid metal door, zinc plated handle and steel tub.		
10 44 13 00-0040 EA 9" x 18" x 5-1/2" Inside Dimensions, Semi Recessed Aluminum Fire Extinguisher Cabinet	342.03	37.06
10 44 13 00-0041 EA 10-1/2" x 24" x 5-1/2" Inside Dimensions, Semi Recessed Aluminum Fire Extinguisher Cabinet.....	354.47	37.06
10 44 13 00-0042 EA 10-1/2" x 24" x 6" Inside Dimensions, Semi Recessed Aluminum Fire Extinguisher Cabinet	361.93	37.06
10 44 13 00-0043 EA 12" x 27" x 7-3/4" Inside Dimensions, Semi Recessed Aluminum Fire Extinguisher Cabinet	376.02	37.06
10 44 13 00-0044 EA 16" x 32" x 7-3/4" Inside Dimensions, Semi Recessed Aluminum Fire Extinguisher Cabinet	424.92	37.06
10 44 13 00-0045 EA 20" x 27" x 7-3/4" Inside Dimensions, Semi Recessed Aluminum Fire Extinguisher Cabinet.....	436.52	37.06
10 44 13 00-0046 Stainless Steel Door And Trim, Semi Recessed Fire Extinguisher Cabinets <small>(10 44 13 00-0031)</small>		
Note: Includes stainless steel finish, full view glass or solid metal door, zinc plated handle and steel tub.		
10 44 13 00-0047 EA 9" x 18" x 5-1/2" Inside Dimensions, Semi Recessed Stainless Steel Fire Extinguisher Cabinet	454.27	37.06
10 44 13 00-0048 EA 10-1/2" x 24" x 5-1/2" Inside Dimensions, Semi Recessed Stainless Steel Fire Extinguisher Cabinet	466.12	37.06
10 44 13 00-0049 EA 10-1/2" x 24" x 6" Inside Dimensions, Semi Recessed Stainless Steel Fire Extinguisher Cabinet	471.20	37.06
10 44 13 00-0050 EA 12" x 27" x 7-3/4" Inside Dimensions, Semi Recessed Stainless Steel Fire Extinguisher Cabinet	497.43	37.06
10 44 13 00-0051 EA 16" x 32" x 7-3/4" Inside Dimensions, Semi Recessed Stainless Steel Fire Extinguisher Cabinet	562.60	37.06
10 44 13 00-0052 EA 20" x 27" x 7-3/4" Inside Dimensions, Semi Recessed Stainless Steel Fire Extinguisher Cabinet	576.98	37.06
10 44 13 00-0053 Bronze Door And Trim, Semi Recessed Fire Extinguisher Cabinets <small>(10 44 13 00-0031)</small>		
Note: Includes satin bronze finish, full view glass or solid metal door, zinc plated handle and steel tub.		
10 44 13 00-0054 EA 10-1/2" x 24" x 5-1/2" Inside Dimensions, Semi Recessed Bronze Fire Extinguisher Cabinet.....	1,189.69	37.06
10 44 13 00-0055 EA 10-1/2" x 24" x 6" Inside Dimensions, Semi Recessed Bronze Fire Extinguisher Cabinet.....	1,195.32	37.06
10 44 13 00-0056 EA 12" x 27" x 7-3/4" Inside Dimensions, Semi Recessed Bronze Fire Extinguisher Cabinet.....	1,365.27	37.06
10 44 13 00-0057 Acrylic Bubble Door And Steel Trim, Semi Recessed Fire Extinguisher Cabinets <small>(10 44 13 00-0031)</small>		
Note: Includes 180 degree visibility acrylic bubble door, zinc plated handle and steel tub.		
10 44 13 00-0058 EA 10-1/2" x 24" x 4" Inside Dimensions, Semi Recessed Steel Fire Extinguisher Cabinet With Acrylic Bubble Door	367.97	37.06
10 44 13 00-0059 EA 14" x 30" x 4" Inside Dimensions, Semi Recessed Steel Fire Extinguisher Cabinet With Acrylic Bubble Door.....	399.05	37.06
10 44 13 00-0060 Surface Mounted Fire Extinguisher Cabinets <small>(10 44 13 00-0001)</small>		
10 44 13 00-0061 Steel Door And Trim, Surface Mount Fire Extinguisher Cabinets <small>(10 44 13 00-0060)</small>		
Note: Includes powder-coat finish, full view glass or solid metal door, zinc plated handle and steel tub.		
10 44 13 00-0062 EA 12-3/16" x 21-3/16" x 6" Inside Dimensions, Surface Mount Steel Fire Extinguisher Cabinet.....	297.17	37.06
10 44 13 00-0063 EA 13-11/16" x 27-3/16" x 6-1/2" Inside Dimensions, Surface Mount Steel Fire Extinguisher Cabinet	302.35	37.06
10 44 13 00-0064 EA 15-3/16" x 30-3/16" x 8-1/4" Inside Dimensions, Surface Mount Steel Fire Extinguisher Cabinet	343.80	37.06



Specialties	10	10
Safety Specialties	10 40	
Fire Protection Specialties	10 44	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 44 13 00-0065 EA 19-3/16" x 35-3/16" x 8-1/4" Inside Dimensions, Surface Mount Steel Fire Extinguisher Cabinet	394.73	37.06
10 44 13 00-0066 EA 23-3/16" x 30-3/16" x 8-1/4" Inside Dimensions, Surface Mount Steel Fire Extinguisher Cabinet	408.55	37.06
10 44 13 00-0067 Aluminum Door And Trim, Surface Mount Fire Extinguisher Cabinets <small>(10 44 13 00-0060)</small>		
Note: Includes clear anodized finish, full view glass or solid metal door, zinc plated handle and steel tub.		
10 44 13 00-0068 EA 12-3/16" x 21-3/16" x 6" Inside Dimensions, Surface Mount Aluminum Fire Extinguisher Cabinet.....	420.77	37.06
10 44 13 00-0069 EA 13-11/16" x 27-3/16" x 6-1/2" Inside Dimensions, Surface Mount Aluminum Fire Extinguisher Cabinet.....	431.55	37.06
10 44 13 00-0070 EA 15-3/16" x 30-3/16" x 8-1/4" Inside Dimensions, Surface Mount Aluminum Fire Extinguisher Cabinet.....	455.58	37.06
10 44 13 00-0071 EA 19-3/16" x 35-3/16" x 8-1/4" Inside Dimensions, Surface Mount Aluminum Fire Extinguisher Cabinet.....	502.83	37.06
10 44 13 00-0072 EA 23-3/16" x 30-3/16" x 8-1/4" Inside Dimensions, Surface Mount Aluminum Fire Extinguisher Cabinet.....	522.72	37.06
10 44 13 00-0073 Stainless Steel Door And Trim, Surface Mount Fire Extinguisher Cabinets <small>(10 44 13 00-0060)</small>		
Note: Includes stainless steel finish, full view glass or solid metal door, zinc plated handle and steel tub.		
10 44 13 00-0074 EA 12-3/16" x 21-3/16" x 6" Inside Dimensions, Surface Mount Stainless Steel Fire Extinguisher Cabinet.....	527.90	37.06
10 44 13 00-0075 EA 13-11/16" x 27-3/16" x 6-1/2" Inside Dimensions, Surface Mount Stainless Steel Fire Extinguisher Cabinet.....	543.98	37.06
10 44 13 00-0076 EA 15-3/16" x 30-3/16" x 8-1/4" Inside Dimensions, Surface Mount Stainless Steel Fire Extinguisher Cabinet.....	583.75	37.06
10 44 13 00-0077 EA 19-3/16" x 35-3/16" x 8-1/4" Inside Dimensions, Surface Mount Stainless Steel Fire Extinguisher Cabinet.....	660.76	37.06
10 44 13 00-0078 EA 23-3/16" x 30-3/16" x 8-1/4" Inside Dimensions, Surface Mount Stainless Steel Fire Extinguisher Cabinet.....	684.46	37.06
10 44 13 00-0079 Bronze Door And Trim, Surface Mount Fire Extinguisher Cabinets <small>(10 44 13 00-0060)</small>		
Note: Includes satin bronze finish, full view glass or solid metal door, zinc plated handle and steel tub.		
10 44 13 00-0080 EA 13-11/16" x 27-3/16" x 6-1/2" Inside Dimensions, Surface Mount Bronze Fire Extinguisher Cabinet.....	1,359.97	37.06
10 44 13 00-0081 EA 15-3/16" x 30-3/16" x 8-1/4" Inside Dimensions, Surface Mount Bronze Fire Extinguisher Cabinet	1,528.62	37.06
10 44 13 00-0082 Acrylic Bubble Door And Steel Trim, Surface Mount Fire Extinguisher Cabinets <small>(10 44 13 00-0060)</small>		
Note: Includes 180 degree visibility acrylic bubble door, zinc plated handle and steel tub.		
10 44 13 00-0083 EA 13-11/16" x 27-3/16" x 4-5/8" Inside Dimensions, Surface Mount Steel Fire Extinguisher Cabinet With Acrylic Bubble Door.....	348.98	37.06
10 44 13 00-0084 EA 17-3/16" x 33-3/16" x 4-5/8" Inside Dimensions, Surface Mount Steel Fire Extinguisher Cabinet With Acrylic Bubble Door.....	386.96	37.06
10 44 13 00-0085 EA 31-3/16" x 33-3/16" x 4-5/8" Inside Dimensions, Surface Mount Steel Fire Extinguisher Cabinet With Acrylic Bubble Door.....	519.92	37.06
10 44 13 00-0086 Fire Extinguisher Cabinet Accessories <small>(10 44 13 00-0001)</small>		
10 44 13 00-0087 EA Standard Break Glass Cylinder Lock Mechanism.....	29.22	11.30
10 44 13 00-0088 EA Breaker Bar And Chain For Break Glass Cabinets.....	26.90	11.30
10 44 13 00-0089 EA Replacement Standard Pull Handle.....	25.49	11.30
10 44 13 00-0090 EA Fire Extinguisher Cabinet Battery Operated Alarm.....	75.03	22.59
10 44 13 00-0091 EA Fire Rated Option For 10-1/2" x 24" x 5-1/2" Or 6" Cabinets	115.54	
10 44 13 00-0092 EA Fire Rated Option For 12" x 27" x 7-3/4" Cabinets.....	127.09	
10 44 13 00-0093 EA Fire Rated Option For 16" x 32" x 7-3/4" Cabinets.....	173.31	
10 44 13 00-0094 EA Fire Rated Option For 20" x 27" x 7-3/4" Cabinets.....	236.86	
10 44 13 00-0095 EA Fire Rated Option For 9" x 18" x 5-1/2" Cabinets.....	277.30	
10 44 13 00-0096 EA Replace Standard Glass With Wire Glass For 9" x 18" x 5-1/2" Cabinets	67.01	
10 44 13 00-0097 EA Replace Standard Glass With Wire Glass For 10-1/2" x 24" x 5-1/2" Or 6" Cabinets	69.32	
10 44 13 00-0098 EA Replace Standard Glass With Wire Glass For 12" x 27" x 7-3/4" Cabinets	92.43	
10 44 13 00-0099 EA Replace Standard Glass With Wire Glass For 16" x 32" x 7-3/4" Cabinets	167.53	
10 44 13 00-0100 EA Replace Standard Glass With Wire Glass For 20" x 27" x 7-3/4" Cabinets	169.84	
10 44 13 00-0101 EA Replace Standard Glass With Wire Glass For 12-3/16" x 21-3/16" x 6" Cabinets	72.45	
10 44 13 00-0102 EA Replace Standard Glass With Wire Glass For 13-11/16" x 27-3/16" x 6-1/2" Cabinets	76.07	
10 44 13 00-0103 EA Replace Standard Glass With Wire Glass For 15-3/16" x 30-3/16" x 8-1/4" Cabinets	102.64	
10 44 13 00-0104 EA Replace Standard Glass With Wire Glass For 19-3/16" x 35-3/16" x 8-1/4" Cabinets	181.12	
10 44 13 00-0105 EA Replace Standard Glass With Wire Glass For 23-3/16" x 30-3/16" x 8-1/4" Cabinets	183.54	
10 44 13 00-0106 Fire Hose Cabinets <small>(10 44 13)</small>		
Note: Excludes hoses, hose rack units, fire extinguishers and valves. See CSI section 21 12 13 00-0001 for fire hoses and nozzles, 21 12 13 00-0015 for fire hose rack units, 21 12 23 00-0001 for fire department valves, 21 12 23 00-0014 for fire hose angle valves.		
10 44 13 00-0107 Recessed Fire Hose Cabinets <small>(10 44 13 00-0106)</small>		
10 44 13 00-0108 Steel Door And Trim, Recessed Fire Hose Cabinets <small>(10 44 13 00-0107)</small>		
Note: Includes baked enamel finish, steel door, trim and box, full view acrylic door lite, satin finish turn handle, continuous matching hinge and self-adjusting roller catch.		
10 44 13 00-0109 EA 34" x 24" x 8" Inside Dimensions, Recessed Steel Fire Hose Cabinet	461.20	146.90
<i>For Solid Steel Door, Deduct</i>		
	-8.60	
10 44 13 00-0110 EA 34" x 26" x 8" Inside Dimensions, Recessed Steel Fire Hose Cabinet	466.84	146.90
<i>For Solid Steel Door, Deduct</i>		
	-8.60	
10 44 13 00-0111 EA 38" x 24" x 8" Inside Dimensions, Recessed Steel Fire Hose Cabinet	471.54	146.90
<i>For Solid Steel Door, Deduct</i>		
	-8.60	
10 44 13 00-0112 EA 38" x 26" x 8" Inside Dimensions, Recessed Steel Fire Hose Cabinet	476.25	146.90
<i>For Solid Steel Door, Deduct</i>		
	-8.60	
10 44 13 00-0113 EA 30" x 30" x 8" Inside Dimensions, Recessed Steel Fire Hose Cabinet	481.89	146.90
<i>For Solid Steel Door, Deduct</i>		
	-8.60	

10 Specialties**10 40 Safety Specialties****10 44 Fire Protection Specialties**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 44 13 00-0114	EA		38" x 32" x 8" Inside Dimensions, Recessed Steel Fire Hose Cabinet..... <i>For Solid Steel Door, Deduct</i>	496.94 -8.60	146.90
10 44 13 00-0115	EA		23" x 18" x 8" Inside Dimensions, Recessed Steel Fire Hose Cabinet..... <i>For Solid Steel Door, Deduct</i>	501.64 -8.60	146.90
10 44 13 00-0116			Aluminum Door And Trim, Recessed Fire Hose Cabinets (10 44 13 00-0107) Note: Includes clear satin anodized finish, aluminum door and trim, baked enamel steel box, full view acrylic door lite, satin finish turn handle, continuous matching hinge and self-adjusting roller catch.		
10 44 13 00-0117	EA		34" x 24" x 8" Inside Dimensions, Recessed Aluminum Fire Hose Cabinet..... <i>For Solid Aluminum Door, Add</i>	490.45 6.50	146.90
10 44 13 00-0118	EA		30" x 30" x 8" Inside Dimensions, Recessed Aluminum Fire Hose Cabinet..... <i>For Solid Aluminum Door, Add</i>	499.70 6.50	146.90
10 44 13 00-0119	EA		34" x 26" x 8" Inside Dimensions, Recessed Aluminum Fire Hose Cabinet..... <i>For Solid Aluminum Door, Add</i>	500.90 6.50	146.90
10 44 13 00-0120	EA		38" x 24" x 8" Inside Dimensions, Recessed Aluminum Fire Hose Cabinet..... <i>For Solid Aluminum Door, Add</i>	504.74 6.50	146.90
10 44 13 00-0121	EA		38" x 26" x 8" Inside Dimensions, Recessed Aluminum Fire Hose Cabinet..... <i>For Solid Aluminum Door, Add</i>	509.78 6.50	146.90
10 44 13 00-0122	EA		38" x 32" x 8" Inside Dimensions, Recessed Aluminum Fire Hose Cabinet..... <i>For Solid Aluminum Door, Add</i>	524.07 6.50	146.90
10 44 13 00-0123	EA		23" x 18" x 8" Inside Dimensions, Recessed Aluminum Fire Hose Cabinet..... <i>For Solid Aluminum Door, Add</i>	538.36 6.50	146.90
10 44 13 00-0124			Stainless Steel Door And Trim, Recessed Fire Hose Cabinets (10 44 13 00-0107) Note: Includes #4 finish, stainless steel door and trim, baked enamel steel box, full view acrylic door lite, satin finish turn handle, continuous matching hinge and self-adjusting roller catch.		
10 44 13 00-0125	EA		23" x 18" x 8" Inside Dimensions, Recessed Stainless Steel Fire Hose Cabinet..... <i>For Solid Stainless Steel Door, Deduct</i>	573.65 -7.70	146.90
10 44 13 00-0126	EA		34" x 24" x 8" Inside Dimensions, Recessed Stainless Steel Fire Hose Cabinet..... <i>For Solid Stainless Steel Door, Deduct</i>	617.35 -7.70	146.90
10 44 13 00-0127	EA		34" x 26" x 8" Inside Dimensions, Recessed Stainless Steel Fire Hose Cabinet..... <i>For Solid Stainless Steel Door, Deduct</i>	621.56 -7.70	146.90
10 44 13 00-0128	EA		38" x 24" x 8" Inside Dimensions, Recessed Stainless Steel Fire Hose Cabinet..... <i>For Solid Stainless Steel Door, Deduct</i>	635.00 -7.70	146.90
10 44 13 00-0129	EA		38" x 26" x 8" Inside Dimensions, Recessed Stainless Steel Fire Hose Cabinet..... <i>For Solid Stainless Steel Door, Deduct</i>	639.20 -7.70	146.90
10 44 13 00-0130	EA		30" x 30" x 8" Inside Dimensions, Recessed Stainless Steel Fire Hose Cabinet..... <i>For Solid Stainless Steel Door, Deduct</i>	661.05 -7.70	146.90
10 44 13 00-0131	EA		38" x 32" x 8" Inside Dimensions, Recessed Stainless Steel Fire Hose Cabinet..... <i>For Solid Stainless Steel Door, Deduct</i>	682.90 -7.70	146.90
10 44 13 00-0132			Semi Recessed Fire Hose Cabinets (10 44 13 00-0106)		
10 44 13 00-0133			Steel Door And Trim, Semi Recessed Fire Hose Cabinets (10 44 13 00-0132) Note: Includes baked enamel finish, steel door, trim and box, full view acrylic door lite, satin finish turn handle, continuous matching hinge and self-adjusting roller catch.		
10 44 13 00-0134	EA		34" x 24" x 8" Inside Dimensions, Semi Recessed Steel Fire Hose Cabinet <i>For Solid Steel Door, Deduct</i>	476.25 -8.60	146.90
10 44 13 00-0135	EA		34" x 26" x 8" Inside Dimensions, Semi Recessed Steel Fire Hose Cabinet <i>For Solid Steel Door, Deduct</i>	481.89 -8.60	146.90
10 44 13 00-0136	EA		38" x 24" x 8" Inside Dimensions, Semi Recessed Steel Fire Hose Cabinet <i>For Solid Steel Door, Deduct</i>	486.59 -8.60	146.90
10 44 13 00-0137	EA		38" x 26" x 8" Inside Dimensions, Semi Recessed Steel Fire Hose Cabinet <i>For Solid Steel Door, Deduct</i>	492.23 -8.60	146.90
10 44 13 00-0138	EA		30" x 30" x 8" Inside Dimensions, Semi Recessed Steel Fire Hose Cabinet <i>For Solid Steel Door, Deduct</i>	496.94 -8.60	146.90
10 44 13 00-0139	EA		38" x 32" x 8" Inside Dimensions, Semi Recessed Steel Fire Hose Cabinet <i>For Solid Steel Door, Deduct</i>	511.98 -8.60	146.90
10 44 13 00-0140	EA		23" x 18" x 8" Inside Dimensions, Semi Recessed Steel Fire Hose Cabinet <i>For Solid Steel Door, Deduct</i>	517.62 -8.60	146.90
10 44 13 00-0141			Aluminum Door And Trim, Semi Recessed Fire Hose Cabinets (10 44 13 00-0132) Note: Includes clear satin anodized finish, aluminum door and trim, baked enamel steel box, full view acrylic door lite, satin finish turn handle, continuous matching hinge and self-adjusting roller catch.		
10 44 13 00-0142	EA		34" x 24" x 8" Inside Dimensions, Semi Recessed Aluminum Fire Hose Cabinet..... <i>For Solid Aluminum Door, Add</i>	499.70 6.50	146.90
10 44 13 00-0143	EA		34" x 26" x 8" Inside Dimensions, Semi Recessed Aluminum Fire Hose Cabinet..... <i>For Solid Aluminum Door, Add</i>	509.78 6.50	146.90
10 44 13 00-0144	EA		30" x 30" x 8" Inside Dimensions, Semi Recessed Aluminum Fire Hose Cabinet..... <i>For Solid Aluminum Door, Add</i>	511.22 6.50	146.90
10 44 13 00-0145	EA		38" x 24" x 8" Inside Dimensions, Semi Recessed Aluminum Fire Hose Cabinet..... <i>For Solid Aluminum Door, Add</i>	513.98 6.50	146.90
10 44 13 00-0146	EA		38" x 26" x 8" Inside Dimensions, Semi Recessed Aluminum Fire Hose Cabinet..... <i>For Solid Aluminum Door, Add</i>	519.03 6.50	146.90
10 44 13 00-0147	EA		38" x 32" x 8" Inside Dimensions, Semi Recessed Aluminum Fire Hose Cabinet..... <i>For Solid Aluminum Door, Add</i>	533.31 6.50	146.90
10 44 13 00-0148	EA		23" x 18" x 8" Inside Dimensions, Semi Recessed Aluminum Fire Hose Cabinet..... <i>For Solid Aluminum Door, Add</i>	547.60 6.50	146.90



Specialties	10	10
Safety Specialties	10 40	
Fire Protection Specialties	10 44	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 44 13 00-0149 Stainless Steel Door And Trim, Semi Recessed Fire Hose Cabinets <small>(10 44 13 00-0132)</small>		
Note: Includes #4 finish, 304 stainless steel door and trim, baked enamel steel box, full view acrylic door lite, satin finish turn handle, continuous matching hinge and self-adjusting roller catch.		
10 44 13 00-0150 EA 23" x 18" x 8" Inside Dimensions, Semi Recessed Stainless Steel Fire Hose Cabinet.....	599.71	146.90
<i>For Solid Stainless Steel Door, Deduct</i>		
	-7.70	
10 44 13 00-0151 EA 34" x 24" x 8" Inside Dimensions, Semi Recessed Stainless Steel Fire Hose Cabinet.....	647.61	146.90
<i>For Solid Stainless Steel Door, Deduct</i>		
	-7.70	
10 44 13 00-0152 EA 34" x 26" x 8" Inside Dimensions, Semi Recessed Stainless Steel Fire Hose Cabinet.....	651.81	146.90
<i>For Solid Stainless Steel Door, Deduct</i>		
	-7.70	
10 44 13 00-0153 EA 38" x 24" x 8" Inside Dimensions, Semi Recessed Stainless Steel Fire Hose Cabinet.....	665.26	146.90
<i>For Solid Stainless Steel Door, Deduct</i>		
	-7.70	
10 44 13 00-0154 EA 38" x 26" x 8" Inside Dimensions, Semi Recessed Stainless Steel Fire Hose Cabinet.....	669.46	146.90
<i>For Solid Stainless Steel Door, Deduct</i>		
	-7.70	
10 44 13 00-0155 EA 30" x 30" x 8" Inside Dimensions, Semi Recessed Stainless Steel Fire Hose Cabinet.....	691.31	146.90
<i>For Solid Stainless Steel Door, Deduct</i>		
	-7.70	
10 44 13 00-0156 EA 38" x 32" x 8" Inside Dimensions, Semi Recessed Stainless Steel Fire Hose Cabinet.....	713.16	146.90
<i>For Solid Stainless Steel Door, Deduct</i>		
	-7.70	
10 44 13 00-0157 Surface Mount Fire Hose Cabinets <small>(10 44 13 00-0106)</small>		
10 44 13 00-0158 Steel Door And Trim, Surface Mount Fire Hose Cabinets <small>(10 44 13 00-0157)</small>		
Note: Includes baked enamel finish, steel door and trim, baked enamel steel box, full view acrylic door lite, satin finish turn handle, continuous matching hinge and self-adjusting roller catch.		
10 44 13 00-0159 EA 37-1/2" x 27-1/2" x 8-1/2" Inside Dimensions, Surface Mount Steel Fire Hose Cabinet.....	481.89	146.90
<i>For Solid Steel Door, Deduct</i>		
	-8.60	
10 44 13 00-0160 EA 37-1/2" x 29-1/2" x 8-1/2" Inside Dimensions, Surface Mount Steel Fire Hose Cabinet.....	486.59	146.90
<i>For Solid Steel Door, Deduct</i>		
	-8.60	
10 44 13 00-0161 EA 41-1/2" x 27-1/2" x 8-1/2" Inside Dimensions, Surface Mount Steel Fire Hose Cabinet.....	492.23	146.90
<i>For Solid Steel Door, Deduct</i>		
	-8.60	
10 44 13 00-0162 EA 41-1/2" x 29-1/2" x 8-1/2" Inside Dimensions, Surface Mount Steel Fire Hose Cabinet.....	496.94	146.90
<i>For Solid Steel Door, Deduct</i>		
	-8.60	
10 44 13 00-0163 EA 33-1/2" x 33-1/2" x 8-1/2" Inside Dimensions, Surface Mount Steel Fire Hose Cabinet.....	501.64	146.90
<i>For Solid Steel Door, Deduct</i>		
	-8.60	
10 44 13 00-0164 EA 41-1/2" x 35-1/2" x 8-1/2" Inside Dimensions, Surface Mount Steel Fire Hose Cabinet.....	517.62	146.90
<i>For Solid Steel Door, Deduct</i>		
	-8.60	
10 44 13 00-0165 EA 26-1/2" x 21-1/2" x 8-1/2" Inside Dimensions, Surface Mount Steel Fire Hose Cabinet.....	522.33	146.90
<i>For Solid Steel Door, Deduct</i>		
	-8.60	
10 44 13 00-0166 Aluminum Door And Trim, Surface Mount Fire Hose Cabinets <small>(10 44 13 00-0157)</small>		
Note: Includes clear satin anodized finish, aluminum door, trim and box, full view acrylic door lite, satin finish turn handle, continuous matching hinge and self-adjusting roller catch.		
10 44 13 00-0167 EA 37-1/2" x 27-1/2" x 8-1/2" Inside Dimensions, Surface Mount Aluminum Fire Hose Cabinet.....	524.07	146.90
<i>For Solid Aluminum Door, Add</i>		
	6.50	
10 44 13 00-0168 EA 33-1/2" x 33-1/2" x 8-1/2" Inside Dimensions, Surface Mount Aluminum Fire Hose Cabinet.....	533.31	146.90
<i>For Solid Aluminum Door, Add</i>		
	6.50	
10 44 13 00-0169 EA 37-1/2" x 29-1/2" x 8-1/2" Inside Dimensions, Surface Mount Aluminum Fire Hose Cabinet.....	535.71	146.90
<i>For Solid Aluminum Door, Add</i>		
	6.50	
10 44 13 00-0170 EA 41-1/2" x 27-1/2" x 8-1/2" Inside Dimensions, Surface Mount Aluminum Fire Hose Cabinet.....	538.36	146.90
<i>For Solid Aluminum Door, Add</i>		
	6.50	
10 44 13 00-0171 EA 41-1/2" x 29-1/2" x 8-1/2" Inside Dimensions, Surface Mount Aluminum Fire Hose Cabinet.....	542.56	146.90
<i>For Solid Aluminum Door, Add</i>		
	6.50	
10 44 13 00-0172 EA 41-1/2" x 35-1/2" x 8-1/2" Inside Dimensions, Surface Mount Aluminum Fire Hose Cabinet.....	557.69	146.90
<i>For Solid Aluminum Door, Add</i>		
	6.50	
10 44 13 00-0173 EA 26-1/2" x 21-1/2" x 8-1/2" Inside Dimensions, Surface Mount Aluminum Fire Hose Cabinet.....	566.93	146.90
<i>For Solid Aluminum Door, Add</i>		
	6.50	
10 44 13 00-0174 Stainless Steel Door And Trim, Surface Mount Fire Hose Cabinets <small>(10 44 13 00-0157)</small>		
Note: Includes #4 finish, 304 stainless steel door, trim and box, full view acrylic door lite, satin finish turn handle, continuous matching hinge and self-adjusting roller catch.		
10 44 13 00-0175 EA 26-1/2" x 21-1/2" x 8-1/2" Inside Dimensions, Surface Mount Stainless Steel Fire Hose Cabinet.....	635.00	146.90
<i>For Solid Stainless Steel Door, Deduct</i>		
	-7.70	
10 44 13 00-0176 EA 37-1/2" x 27-1/2" x 8-1/2" Inside Dimensions, Surface Mount Stainless Steel Fire Hose Cabinet.....	774.51	146.90
<i>For Solid Stainless Steel Door, Deduct</i>		
	-7.70	
10 44 13 00-0177 EA 41-1/2" x 27-1/2" x 8-1/2" Inside Dimensions, Surface Mount Stainless Steel Fire Hose Cabinet.....	809.80	146.90
<i>For Solid Stainless Steel Door, Deduct</i>		
	-7.70	
10 44 13 00-0178 EA 37-1/2" x 29-1/2" x 8-1/2" Inside Dimensions, Surface Mount Stainless Steel Fire Hose Cabinet.....	818.21	146.90
<i>For Solid Stainless Steel Door, Deduct</i>		
	-7.70	
10 44 13 00-0179 EA 41-1/2" x 29-1/2" x 8-1/2" Inside Dimensions, Surface Mount Stainless Steel Fire Hose Cabinet.....	826.61	146.90
<i>For Solid Stainless Steel Door, Deduct</i>		
	-7.70	
10 44 13 00-0180 EA 33-1/2" x 33-1/2" x 8-1/2" Inside Dimensions, Surface Mount Stainless Steel Fire Hose Cabinet.....	861.91	146.90
<i>For Solid Stainless Steel Door, Deduct</i>		
	-7.70	
10 44 13 00-0181 EA 41-1/2" x 35-1/2" x 8-1/2" Inside Dimensions, Surface Mount Stainless Steel Fire Hose Cabinet.....	905.61	146.90
<i>For Solid Stainless Steel Door, Deduct</i>		
	-7.70	
10 44 16 Fire Extinguishers <small>(10 44)</small>		
10 44 16 13 Portable Fire Extinguishers <small>(10 44 16)</small>		
Note: Includes filling, certification, bracket, hardware and mounting on wall.		
10 44 16 13-0001 Carbon Dioxide Type, Class BC Portable Fire Extinguisher <small>(10 44 16 13)</small>		

10 Specialties**10 40 Safety Specialties****10 44 Fire Protection Specialties**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 44 16 13-0002	EA		2.5 LB Carbon Dioxide, Type BC Portable Fire Extinguisher.....	185.05	11.75
			<i>For >5 To 10, Deduct</i>	-6.24	
			<i>For >10, Deduct</i>	-12.48	
			<i>For Placement In Cabinet, Deduct</i>	-30.13	
10 44 16 13-0003	EA		5 LB Carbon Dioxide, Type BC Portable Fire Extinguisher.....	275.78	13.56
			<i>For >5 To 10, Deduct</i>	-10.31	
			<i>For >10, Deduct</i>	-20.63	
			<i>For Placement In Cabinet, Deduct</i>	-34.77	
10 44 16 13-0004	EA		10 LB Carbon Dioxide, Type BC Portable Fire Extinguisher.....	358.74	17.18
			<i>For >5 To 10, Deduct</i>	-13.42	
			<i>For >10, Deduct</i>	-26.83	
			<i>For Placement In Cabinet, Deduct</i>	-45.20	
10 44 16 13-0005	EA		15 LB Carbon Dioxide, Type BC Portable Fire Extinguisher.....	441.20	21.69
			<i>For >5 To 10, Deduct</i>	-16.41	
			<i>For >10, Deduct</i>	-32.82	
			<i>For Placement In Cabinet, Deduct</i>	-56.50	
10 44 16 13-0006	EA		20 LB Carbon Dioxide, Type BC Portable Fire Extinguisher.....	488.89	21.69
			<i>For >5 To 10, Deduct</i>	-18.79	
			<i>For >10, Deduct</i>	-37.59	
			<i>For Placement In Cabinet, Deduct</i>	-56.50	
10 44 16 13-0007	EA		50 LB Carbon Dioxide, Type BC Wheeled Fire Extinguisher.....	1,643.21	34.35
			<i>For >5 To 10, Deduct</i>	-73.12	
			<i>For >10, Deduct</i>	-146.24	
10 44 16 13-0008	EA		100 LB Carbon Dioxide, Type BC Wheeled Fire Extinguisher.....	3,183.64	34.35
			<i>For >5 To 10, Deduct</i>	-150.14	
			<i>For >10, Deduct</i>	-300.29	
10 44 16 13-0009			Dry Chemical Type, Class ABC Portable Fire Extinguisher (10 44 16 13)		
10 44 16 13-0010	EA		2.6 LB Dry Chemical, Type ABC Portable Fire Extinguisher.....	107.11	11.75
			<i>For >5 To 10, Deduct</i>	-2.34	
			<i>For >10, Deduct</i>	-4.69	
			<i>For Placement In Cabinet, Deduct</i>	-30.13	
10 44 16 13-0011	EA		5 LB Dry Chemical, Type ABC Portable Fire Extinguisher.....	137.01	13.56
			<i>For >5 To 10, Deduct</i>	-3.37	
			<i>For >10, Deduct</i>	-6.75	
			<i>For Placement In Cabinet, Deduct</i>	-34.77	
10 44 16 13-0012	EA		10 LB Dry Chemical, Type ABC Portable Fire Extinguisher.....	196.17	17.18
			<i>For >5 To 10, Deduct</i>	-5.29	
			<i>For >10, Deduct</i>	-10.58	
			<i>For Placement In Cabinet, Deduct</i>	-45.20	
10 44 16 13-0013	EA		20 LB Dry Chemical, Type ABC Portable Fire Extinguisher.....	279.46	21.69
			<i>For >5 To 10, Deduct</i>	-8.32	
			<i>For >10, Deduct</i>	-16.65	
			<i>For Placement In Cabinet, Deduct</i>	-56.50	
10 44 16 13-0014	EA		50 LB Dry Chemical, Type ABC Wheeled Fire Extinguisher.....	1,928.25	34.35
			<i>For >5 To 10, Deduct</i>	-87.37	
			<i>For >10, Deduct</i>	-174.75	
10 44 16 13-0015	EA		125 LB Dry Chemical, Type ABC Wheeled Fire Extinguisher.....	2,922.79	34.35
			<i>For >5 To 10, Deduct</i>	-137.10	
			<i>For >10, Deduct</i>	-274.20	
10 44 16 13-0016			Other Portable Fire Extinguishers (10 44 16 13)		
10 44 16 13-0017	EA		2.5 Gallon Water, Stored Pressure Portable Fire Extinguisher.....	207.94	13.56
			Note: Stainless steel.		
			<i>For >5 To 10, Deduct</i>	-6.92	
			<i>For >10, Deduct</i>	-13.84	
			<i>For Placement In Cabinet, Deduct</i>	-34.77	
10 44 16 13-0018	EA		1.6 Gallon Wet Chemical, Class K Portable Fire Extinguisher.....	312.76	21.69
			Note: Stainless steel.		
			<i>For >5 To 10, Deduct</i>	-9.99	
			<i>For >10, Deduct</i>	-19.98	
			<i>For Placement In Cabinet, Deduct</i>	-56.50	
10 44 16 13-0019	EA		2.5 Gallon Wet Chemical, Class K Portable Fire Extinguisher.....	328.10	21.69
			Note: Stainless steel.		
			<i>For >5 To 10, Deduct</i>	-10.76	
			<i>For >10, Deduct</i>	-21.51	
			<i>For Placement In Cabinet, Deduct</i>	-56.50	
10 44 16 13-0020	EA		30 LB Dry Powder, Class D Portable Fire Extinguisher.....	484.85	21.69
			Note: Yellow steel.		
			<i>For >5 To 10, Deduct</i>	-18.59	
			<i>For >10, Deduct</i>	-37.19	
10 44 16 13-0021			Recharge Existing Portable Fire Extinguishers (10 44 16 13)		
			Note: Includes removal, filling, testing, certification and reinstallation.		
10 44 16 13-0022			Recharge Carbon Dioxide, Class BC Portable Fire Extinguishers (10 44 16 13-0021)		
10 44 16 13-0023	EA		Recharge 2.5 LB Carbon Dioxide Portable Fire Extinguisher.....	8.97	
10 44 16 13-0024	EA		Recharge 5 LB Carbon Dioxide Portable Fire Extinguisher.....	9.97	
10 44 16 13-0025	EA		Recharge 10 LB Carbon Dioxide Portable Fire Extinguisher.....	10.37	
10 44 16 13-0026	EA		Recharge 15 LB Carbon Dioxide Portable Fire Extinguisher.....	11.74	
10 44 16 13-0027	EA		Recharge 20 LB Carbon Dioxide Portable Fire Extinguisher.....	13.56	



Specialties	10	10
Safety Specialties	10 40	
Fire Protection Specialties	10 44	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 44 16 13-0028 Recharge Dry Chemical, Class ABC Portable Fire Extinguishers <small>(10 44 16 13-0021)</small>		
10 44 16 13-0029 EA Recharge 2.5 LB Dry Chemical Portable Fire Extinguisher	10.83	
10 44 16 13-0030 EA Recharge 5 LB Dry Chemical Portable Fire Extinguisher	13.11	
10 44 16 13-0031 EA Recharge 10 LB Dry Chemical Portable Fire Extinguisher	18.52	
10 44 16 13-0032 EA Recharge 20 LB Dry Chemical Portable Fire Extinguisher	29.23	
10 44 16 13-0033 Recharge Other Portable Fire Extinguishers <small>(10 44 16 13-0021)</small>		
10 44 16 13-0034 EA Recharge 2.5 Gallon Pressurized Water Portable Fire Extinguisher	10.71	
10 44 16 13-0035 EA Recharge 1.6 Gallon Wet Chemical Class K Fire Extinguisher.....	76.35	
10 44 16 13-0036 EA Recharge 2.5 Gallon Wet Chemical Class K Fire Extinguisher.....	106.89	
10 44 16 13-0037 EA Recharge 30 LB Dry Powder Class D Portable Fire Extinguisher.....	44.01	
10 44 16 13-0038 Fire Extinguisher Backboards <small>(10 44 16 13)</small>		
10 44 16 13-0039 Fire Extinguisher Backboards <small>(10 44 16 13-0038)</small>		
Note: Mounted to any wall. Includes anchors.		
10 44 16 13-0040 EA Red Painted 1/2" x 12" x 40" Beveled Edge Plywood Fire Extinguisher Backboard	98.35	15.48
10 44 16 13-0041 EA Relocate Fire Extinguisher Wood Backboard, Any Size	136.65	
Note: Includes storage and cleaning.		
10 44 16 13-0042 Inspections And Testing <small>(10 44 16 13)</small>		
10 44 16 13-0043 EA On Site Fire Extinguisher Annual Inspection (Tag).....	9.69	
10 44 16 13-0044 EA On Site Fire Extinguisher Hydrotest.....	14.24	
10 44 19 Fire Blankets <small>(10 44)</small>		
10 44 19 00-0001 EA Vertical Roller Type Fire Blanket Cabinet (JL Industries 1FB)	334.16	37.06
Note: Includes a 62" x 84", 3-1/2 pound, processed wool fire blanket.		
10 44 19 00-0002 EA Drop Type Fire Blanket Cabinet (JL Industries 2FB)	252.14	37.06
Note: Includes a 62" x 84", 3-1/2 pound, processed wool fire blanket.		
10 50 Storage Specialties <small>(10)</small>		
10 51 Lockers <small>(10 50)</small>		
10 51 13 Metal Lockers <small>(10 51)</small>		
10 51 13 00-0001 Institutional And Corridor Lockers <small>(10 51 13)</small>		
Note: Price per frame. Includes baked enamel 24 gauge solid body components and 6" legs. Excludes slope top, base fillers, and locks.		
10 51 13 00-0002 Single Tier Institutional Or Corridor Locker <small>(10 51 13 00-0001)</small>		
Note: Includes one hat shelf, three single hooks and one double hook.		
10 51 13 00-0003 EA 12" x 12" x 60" Single Tier Institutional Or Corridor Locker.....	166.87	28.03
For >25 To 50, Deduct		
	-5.54	
For >50 To 100, Deduct		
	-11.92	
For >100, Deduct		
	-18.30	
For 14 Gauge Doors, Add		
	8.87	
10 51 13 00-0004 EA 12" x 15" x 60" Single Tier Institutional Or Corridor Locker.....	172.74	28.03
For >25 To 50, Deduct		
	-5.83	
For >50 To 100, Deduct		
	-12.51	
For >100, Deduct		
	-19.19	
For 14 Gauge Doors, Add		
	9.34	
10 51 13 00-0005 EA 12" x 18" x 60" Single Tier Institutional Or Corridor Locker.....	180.77	28.03
For >25 To 50, Deduct		
	-6.24	
For >50 To 100, Deduct		
	-13.31	
For >100, Deduct		
	-20.39	
For 14 Gauge Doors, Add		
	9.98	
10 51 13 00-0006 EA 12" x 12" x 72" Single Tier Institutional Or Corridor Locker.....	180.85	28.93
For >25 To 50, Deduct		
	-6.15	
For >50 To 100, Deduct		
	-13.17	
For >100, Deduct		
	-20.19	
For 14 Gauge Doors, Add		
	9.84	
10 51 13 00-0007 EA 12" x 15" x 72" Single Tier Institutional Or Corridor Locker.....	185.72	28.93
For >25 To 50, Deduct		
	-6.39	
For >50 To 100, Deduct		
	-13.65	
For >100, Deduct		
	-20.92	
For 14 Gauge Doors, Add		
	10.23	
10 51 13 00-0008 EA 12" x 18" x 72" Single Tier Institutional Or Corridor Locker.....	190.46	28.93
For >25 To 50, Deduct		
	-6.63	
For >50 To 100, Deduct		
	-14.13	
For >100, Deduct		
	-21.63	
For 14 Gauge Doors, Add		
	10.61	
10 51 13 00-0009 EA 15" x 15" x 72" Single Tier Institutional Or Corridor Locker.....	198.66	28.93
For >25 To 50, Deduct		
	-7.04	
For >50 To 100, Deduct		
	-14.95	
For >100, Deduct		
	-22.86	
For 14 Gauge Doors, Add		
	11.26	

10	Specialties
10 50	Storage Specialties
10 51	Lockers



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 51 13 00-0010 EA 15" x 18" x 72" Single Tier Institutional Or Corridor Locker.....	206.76	28.93
For >25 To 50, Deduct	-7.45	
For >50 To 100, Deduct	-15.76	
For >100, Deduct	-24.07	
For 14 Gauge Doors, Add	11.91	
10 51 13 00-0011 EA 18" x 18" x 72" Single Tier Institutional Or Corridor Locker.....	215.35	28.93
For >25 To 50, Deduct	-7.88	
For >50 To 100, Deduct	-16.62	
For >100, Deduct	-25.36	
For 14 Gauge Doors, Add	12.60	
10 51 13 00-0012 EA 18" x 21" x 72" Single Tier Institutional Or Corridor Locker.....	223.28	28.93
For >25 To 50, Deduct	-8.27	
For >50 To 100, Deduct	-17.41	
For >100, Deduct	-26.55	
For 14 Gauge Doors, Add	13.23	
10 51 13 00-0013 EA 24" x 24" x 72" Single Tier Institutional Or Corridor Locker.....	295.73	28.93
For >25 To 50, Deduct	-11.89	
For >50 To 100, Deduct	-24.66	
For >100, Deduct	-37.42	
For 14 Gauge Doors, Add	19.03	
10 51 13 00-0014 Two Tier Institutional Or Corridor Locker (10 51 13 00-0001)		
Note: Includes three single hooks and one double hook per tier.		
10 51 13 00-0015 EA 12" x 12" x 60" Two Tier Institutional Or Corridor Locker.....	194.55	28.93
For >25 To 50, Deduct	-6.84	
For >50 To 100, Deduct	-14.54	
For >100, Deduct	-22.24	
For 14 Gauge Doors, Add	15.04	
10 51 13 00-0016 EA 12" x 15" x 60" Two Tier Institutional Or Corridor Locker.....	198.25	28.93
For >25 To 50, Deduct	-7.02	
For >50 To 100, Deduct	-14.91	
For >100, Deduct	-22.80	
For 14 Gauge Doors, Add	15.44	
10 51 13 00-0017 EA 12" x 18" x 60" Two Tier Institutional Or Corridor Locker.....	201.98	28.93
For >25 To 50, Deduct	-7.21	
For >50 To 100, Deduct	-15.28	
For >100, Deduct	-23.36	
For 14 Gauge Doors, Add	15.85	
10 51 13 00-0018 EA 12" x 12" x 72" Two Tier Institutional Or Corridor Locker.....	203.16	28.93
For >25 To 50, Deduct	-7.18	
For >50 To 100, Deduct	-15.24	
For >100, Deduct	-23.31	
For 14 Gauge Doors, Add	15.79	
10 51 13 00-0019 EA 12" x 15" x 72" Two Tier Institutional Or Corridor Locker.....	211.24	28.93
For >25 To 50, Deduct	-7.58	
For >50 To 100, Deduct	-16.05	
For >100, Deduct	-24.53	
For 14 Gauge Doors, Add	16.67	
10 51 13 00-0020 EA 12" x 18" x 72" Two Tier Institutional Or Corridor Locker.....	216.12	28.93
For >25 To 50, Deduct	-7.82	
For >50 To 100, Deduct	-16.54	
For >100, Deduct	-25.26	
For 14 Gauge Doors, Add	17.21	
10 51 13 00-0021 EA 15" x 15" x 72" Two Tier Institutional Or Corridor Locker.....	223.12	28.93
For >25 To 50, Deduct	-8.17	
For >50 To 100, Deduct	-17.24	
For >100, Deduct	-26.31	
For 14 Gauge Doors, Add	17.98	
10 51 13 00-0022 EA 15" x 18" x 72" Two Tier Institutional Or Corridor Locker.....	230.15	28.93
For >25 To 50, Deduct	-8.52	
For >50 To 100, Deduct	-17.94	
For >100, Deduct	-27.36	
For 14 Gauge Doors, Add	18.75	
10 51 13 00-0023 EA 18" x 18" x 72" Two Tier Institutional Or Corridor Locker.....	261.95	28.93
For >25 To 50, Deduct	-10.11	
For >50 To 100, Deduct	-21.12	
For >100, Deduct	-32.13	
For 14 Gauge Doors, Add	22.25	
10 51 13 00-0024 EA 18" x 21" x 72" Two Tier Institutional Or Corridor Locker.....	267.72	28.93
For >25 To 50, Deduct	-10.40	
For >50 To 100, Deduct	-21.70	
For >100, Deduct	-33.00	
For 14 Gauge Doors, Add	22.89	
10 51 13 00-0025 Three Tier Institutional Or Corridor Locker (10 51 13 00-0001)		
Note: Includes one double hook per tier.		
10 51 13 00-0026 EA 12" x 12" x 72" Three Tier Institutional Or Corridor Locker.....	226.44	30.73
For >25 To 50, Deduct	-8.25	
For >50 To 100, Deduct	-17.42	
For >100, Deduct	-26.59	
For 14 Gauge Doors, Add	24.75	



Specialties	10	10
Storage Specialties	10 50	
Lockers	10 51	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 51 13 00-0027	EA		12" x 15" x 72" Three Tier Institutional Or Corridor Locker <i>For >25 To 50, Deduct</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i> <i>For 14 Gauge Doors, Add</i>	230.23 -8.44 -17.80 -27.16 25.31	30.73
10 51 13 00-0028	EA		12" x 18" x 72" Three Tier Institutional Or Corridor Locker <i>For >25 To 50, Deduct</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i> <i>For 14 Gauge Doors, Add</i>	243.73 -9.11 -19.15 -29.18 27.34	30.73
10 51 13 00-0029	EA		15" x 15" x 72" Three Tier Institutional Or Corridor Locker <i>For >25 To 50, Deduct</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i> <i>For 14 Gauge Doors, Add</i>	256.66 -9.76 -20.44 -31.12 29.28	30.73
10 51 13 00-0030	EA		15" x 18" x 72" Three Tier Institutional Or Corridor Locker <i>For >25 To 50, Deduct</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i> <i>For 14 Gauge Doors, Add</i>	266.95 -10.27 -21.47 -32.67 30.82	30.73
10 51 13 00-0031			Four Tier Institutional Or Corridor Locker <small>(10 51 13 00-0001)</small>		
10 51 13 00-0032	EA		12" x 12" x 72" Four Tier Institutional Or Corridor Locker <i>For >25 To 50, Deduct</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	223.17 -7.99 -16.94 -25.88	31.64
10 51 13 00-0033	EA		12" x 15" x 72" Four Tier Institutional Or Corridor Locker <i>For >25 To 50, Deduct</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	229.80 -8.33 -17.60 -26.88	31.64
10 51 13 00-0034	EA		12" x 18" x 72" Four Tier Institutional Or Corridor Locker <i>For >25 To 50, Deduct</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	240.46 -8.86 -18.67 -28.48	31.64
10 51 13 00-0035	EA		15" x 15" x 72" Four Tier Institutional Or Corridor Locker <i>For >25 To 50, Deduct</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	248.99 -9.29 -19.52 -29.75	31.64
10 51 13 00-0036	EA		15" x 18" x 72" Four Tier Institutional Or Corridor Locker <i>For >25 To 50, Deduct</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	261.28 -9.90 -20.75 -31.60	31.64
10 51 13 00-0037			Six Tier Institutional Or Corridor Locker <small>(10 51 13 00-0001)</small>		
10 51 13 00-0038	EA		12" x 12" x 72" Six Tier Institutional Or Corridor Locker <i>For >25 To 50, Deduct</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	241.64 -8.83 -18.63 -28.44	32.54
10 51 13 00-0039	EA		12" x 15" x 72" Six Tier Institutional Or Corridor Locker <i>For >25 To 50, Deduct</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	246.75 -9.08 -19.14 -29.20	32.54
10 51 13 00-0040	EA		12" x 18" x 72" Six Tier Institutional Or Corridor Locker <i>For >25 To 50, Deduct</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	256.40 -9.57 -20.11 -30.65	32.54
10 51 13 00-0041			Locker And Coat Rack Combination <small>(10 51 13 00-0001)</small>		
10 51 13 00-0042	EA		45" x 18" x 12", 4 Person Wall Mount Locker And Coat Rack Combination	423.37	21.69
10 51 13 00-0043	EA		72" x 18" x 78", 16 Person Locker And Coat Rack Combination	683.42	45.20
10 51 13 00-0044			All-Welded Steel Lockers <small>(10 51 13)</small>		
10 51 13 00-0045			All-Welded Steel Lockers <small>(10 51 13 00-0044)</small> Note: Price per frame. Includes diamond perforated, standard louvered or solid doors and sides. Includes all welded construction with 16 gauge solid top, bottom, and shelves, 14 gauge doors and 4" legs. Includes electrostatically applied enamel powder coat paint finish. Excludes slope top, base fillers, and locks.		
10 51 13 00-0046			Single Tier, All-Welded Steel Lockers <small>(10 51 13 00-0045)</small> Note: Includes one hat shelf, two single hooks and one double hook.		
10 51 13 00-0047	EA		12" x 12" x 48" Single Tier, All-Welded Steel Locker <i>For >25 To 50, Deduct</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	233.95 -10.57 -21.47 -32.38	15.82
10 51 13 00-0048	EA		12" x 15" x 48" Single Tier, All-Welded Steel Locker <i>For >25 To 50, Deduct</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	246.43 -11.19 -22.72 -34.25	15.82

10 Specialties**10 50 Storage Specialties****10 51 Lockers**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 51	13 00-0049	EA	12" x 18" x 48" Single Tier, All-Welded Steel Locker	258.44	15.82
			<i>For >25 To 50, Deduct</i>	-11.79	
			<i>For >50 To 100, Deduct</i>	-23.92	
			<i>For >100, Deduct</i>	-36.06	
10 51	13 00-0050	EA	12" x 12" x 60" Single Tier, All-Welded Steel Locker	244.25	15.82
			<i>For >25 To 50, Deduct</i>	-11.08	
			<i>For >50 To 100, Deduct</i>	-22.50	
			<i>For >100, Deduct</i>	-33.93	
10 51	13 00-0051	EA	12" x 15" x 60" Single Tier, All-Welded Steel Locker	256.26	15.82
			<i>For >25 To 50, Deduct</i>	-11.68	
			<i>For >50 To 100, Deduct</i>	-23.71	
			<i>For >100, Deduct</i>	-35.73	
10 51	13 00-0052	EA	12" x 18" x 60" Single Tier, All-Welded Steel Locker	268.27	15.82
			<i>For >25 To 50, Deduct</i>	-12.28	
			<i>For >50 To 100, Deduct</i>	-24.91	
			<i>For >100, Deduct</i>	-37.53	
10 51	13 00-0053	EA	12" x 12" x 72" Single Tier, All-Welded Steel Locker	257.63	17.40
			<i>For >25 To 50, Deduct</i>	-11.64	
			<i>For >50 To 100, Deduct</i>	-23.65	
			<i>For >100, Deduct</i>	-35.66	
10 51	13 00-0054	EA	12" x 15" x 72" Single Tier, All-Welded Steel Locker	268.75	17.40
			<i>For >25 To 50, Deduct</i>	-12.19	
			<i>For >50 To 100, Deduct</i>	-24.76	
			<i>For >100, Deduct</i>	-37.33	
10 51	13 00-0055	EA	12" x 18" x 72" Single Tier, All-Welded Steel Locker	280.76	17.40
			<i>For >25 To 50, Deduct</i>	-12.80	
			<i>For >50 To 100, Deduct</i>	-25.96	
			<i>For >100, Deduct</i>	-39.13	
10 51	13 00-0056	EA	15" x 15" x 72" Single Tier, All-Welded Steel Locker	291.99	17.40
			<i>For >25 To 50, Deduct</i>	-13.36	
			<i>For >50 To 100, Deduct</i>	-27.09	
			<i>For >100, Deduct</i>	-40.82	
10 51	13 00-0057	EA	15" x 18" x 72" Single Tier, All-Welded Steel Locker	301.25	17.40
			<i>For >25 To 50, Deduct</i>	-13.82	
			<i>For >50 To 100, Deduct</i>	-28.01	
			<i>For >100, Deduct</i>	-42.20	
10 51	13 00-0058	EA	18" x 18" x 72" Single Tier, All-Welded Steel Locker	314.01	17.40
			<i>For >25 To 50, Deduct</i>	-14.46	
			<i>For >50 To 100, Deduct</i>	-29.29	
			<i>For >100, Deduct</i>	-44.12	
10 51	13 00-0059	EA	18" x 21" x 72" Single Tier, All-Welded Steel Locker	328.37	17.40
			<i>For >25 To 50, Deduct</i>	-15.18	
			<i>For >50 To 100, Deduct</i>	-30.72	
			<i>For >100, Deduct</i>	-46.27	
10 51	13 00-0060	EA	24" x 24" x 72" Single Tier, All-Welded Steel Locker	544.67	17.40
			<i>For >25 To 50, Deduct</i>	-25.99	
			<i>For >50 To 100, Deduct</i>	-52.35	
			<i>For >100, Deduct</i>	-78.72	
10 51	13 00-0061		Two Tier, All-Welded Steel Lockers <small>(10 51 13 00-0049)</small>		
			Note: Includes two single hooks and one double hook per tier.		
10 51	13 00-0062	EA	12" x 12" x 60" Two Tier, All-Welded Steel Locker	283.19	15.82
			<i>For >25 To 50, Deduct</i>	-13.03	
			<i>For >50 To 100, Deduct</i>	-26.40	
			<i>For >100, Deduct</i>	-39.77	
10 51	13 00-0063	EA	12" x 15" x 60" Two Tier, All-Welded Steel Locker	288.70	15.82
			<i>For >25 To 50, Deduct</i>	-13.31	
			<i>For >50 To 100, Deduct</i>	-26.95	
			<i>For >100, Deduct</i>	-40.59	
10 51	13 00-0064	EA	12" x 18" x 60" Two Tier, All-Welded Steel Locker	303.50	15.82
			<i>For >25 To 50, Deduct</i>	-14.05	
			<i>For >50 To 100, Deduct</i>	-28.43	
			<i>For >100, Deduct</i>	-42.81	
10 51	13 00-0065	EA	12" x 12" x 72" Two Tier, All-Welded Steel Locker	294.66	17.40
			<i>For >25 To 50, Deduct</i>	-13.49	
			<i>For >50 To 100, Deduct</i>	-27.35	
			<i>For >100, Deduct</i>	-41.22	
10 51	13 00-0066	EA	12" x 15" x 72" Two Tier, All-Welded Steel Locker	315.05	17.40
			<i>For >25 To 50, Deduct</i>	-14.51	
			<i>For >50 To 100, Deduct</i>	-29.39	
			<i>For >100, Deduct</i>	-44.27	
10 51	13 00-0067	EA	12" x 18" x 72" Two Tier, All-Welded Steel Locker	326.17	17.40
			<i>For >25 To 50, Deduct</i>	-15.07	
			<i>For >50 To 100, Deduct</i>	-30.50	
			<i>For >100, Deduct</i>	-45.94	
10 51	13 00-0068	EA	15" x 15" x 72" Two Tier, All-Welded Steel Locker	342.01	17.40
			<i>For >25 To 50, Deduct</i>	-15.86	
			<i>For >50 To 100, Deduct</i>	-32.09	
			<i>For >100, Deduct</i>	-48.32	
10 51	13 00-0069	EA	15" x 18" x 72" Two Tier, All-Welded Steel Locker	349.47	17.40
			<i>For >25 To 50, Deduct</i>	-16.23	
			<i>For >50 To 100, Deduct</i>	-32.83	
			<i>For >100, Deduct</i>	-49.44	



Specialties	10	10
Storage Specialties	10 50	
Lockers	10 51	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 51	13 00-0070	EA	18" x 18" x 72" Two Tier, All-Welded Steel Locker <i>For >25 To 50, Deduct</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	370.97 -17.31 -34.98 -52.66	17.40
10 51	13 00-0071	EA	18" x 21" x 72" Two Tier, All-Welded Steel Locker <i>For >25 To 50, Deduct</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	387.62 -18.14 -36.65 -55.16	17.40
10 51	13 00-0072		Three Tier, All-Welded Steel Lockers <small>(10 51 13 00-0045)</small> Note: Includes two single hooks and one double hook per tier.		
10 51	13 00-0073	EA	12" x 12" x 72" Three Tier, All-Welded Steel Locker <i>For >25 To 50, Deduct</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	352.11 -16.36 -33.10 -49.83	17.40
10 51	13 00-0074	EA	12" x 15" x 72" Three Tier, All-Welded Steel Locker <i>For >25 To 50, Deduct</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	360.46 -16.78 -33.93 -51.09	17.40
10 51	13 00-0075	EA	12" x 18" x 72" Three Tier, All-Welded Steel Locker <i>For >25 To 50, Deduct</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	368.76 -17.20 -34.76 -52.33	17.40
10 51	13 00-0076	EA	15" x 15" x 72" Three Tier, All-Welded Steel Locker <i>For >25 To 50, Deduct</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	388.41 -18.18 -36.73 -55.28	17.40
10 51	13 00-0077	EA	15" x 18" x 72" Three Tier, All-Welded Steel Locker <i>For >25 To 50, Deduct</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	392.04 -18.36 -37.09 -55.82	17.40
10 51	13 00-0078		Four Tier, All-Welded Steel Lockers <small>(10 51 13 00-0045)</small>		
10 51	13 00-0079	EA	12" x 12" x 72" Four Tier, All-Welded Steel Locker <i>For >25 To 50, Deduct</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	332.29 -15.37 -31.12 -46.86	17.40
10 51	13 00-0080	EA	12" x 15" x 72" Four Tier, All-Welded Steel Locker <i>For >25 To 50, Deduct</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	340.18 -15.77 -31.90 -48.04	17.40
10 51	13 00-0081	EA	12" x 18" x 72" Four Tier, All-Welded Steel Locker <i>For >25 To 50, Deduct</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	348.02 -16.16 -32.69 -49.22	17.40
10 51	13 00-0082	EA	15" x 15" x 72" Four Tier, All-Welded Steel Locker <i>For >25 To 50, Deduct</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	366.50 -17.08 -34.54 -51.99	17.40
10 51	13 00-0083	EA	15" x 18" x 72" Four Tier, All-Welded Steel Locker <i>For >25 To 50, Deduct</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	369.87 -17.25 -34.87 -52.50	17.40
10 51	13 00-0084		Six Tier, All-Welded Steel Lockers <small>(10 51 13 00-0045)</small>		
10 51	13 00-0085	EA	12" x 12" x 72" Six Tier, All-Welded Steel Locker <i>For >25 To 50, Deduct</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	344.56 -15.99 -32.34 -48.70	17.40
10 51	13 00-0086	EA	12" x 15" x 72" Six Tier, All-Welded Steel Locker <i>For >25 To 50, Deduct</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	356.08 -16.56 -33.49 -50.43	17.40
10 51	13 00-0087	EA	12" x 18" x 72" Six Tier, All-Welded Steel Locker <i>For >25 To 50, Deduct</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	364.55 -16.98 -34.34 -51.70	17.40
10 51	13 00-0088		All Welded Locker Accessories <small>(10 51 13 00-0044)</small>		
10 51	13 00-0089	EA	ADA Requirements For All Welded Lockers	64.00	
10 51	13 00-0090	EA	Solid Boxed End Panel For 12" Deep All Welded Lockers	105.97	3.62
10 51	13 00-0091	EA	Solid Boxed End Panel For 15" Deep All Welded Lockers	122.43	3.62
10 51	13 00-0092	EA	Recessed Trim For All Welded Lockers	75.50	3.62
10 51	13 00-0093	EA	Built In Combination Lock For All Welded Lockers	26.90	3.62
10 51	13 00-0094	EA	Pad Lock For All Welded Lockers	22.47	3.62
10 51	13 00-0095		Athletic Lockers <small>(10 51 13)</small> Note: Price per frame. Includes baked enamel paint, diamond perforated doors and sides, 16 gauge solid top, bottom, and shelves and 6" legs. Excludes slope top, base fillers, and locks.		

10 Specialties**10 50 Storage Specialties****10 51 Lockers**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 51 13 00-0096			Single Tier Athletic Locker <small>(10 51 13 00-0095)</small>		
			Note: Includes one hat shelf, three single hooks and one double hook.		
10 51 13 00-0097	EA		12" x 15" x 60" Single Tier Athletic Locker	242.27	28.93
			For >25 To 50, Deduct	-9.22	
			For >50 To 100, Deduct	-19.31	
			For >100, Deduct	-29.40	
10 51 13 00-0098	EA		12" x 18" x 60" Single Tier Athletic Locker	250.06	28.93
			For >25 To 50, Deduct	-9.61	
			For >50 To 100, Deduct	-20.09	
			For >100, Deduct	-30.57	
10 51 13 00-0099	EA		15" x 15" x 60" Single Tier Athletic Locker	255.07	28.93
			For >25 To 50, Deduct	-9.86	
			For >50 To 100, Deduct	-20.59	
			For >100, Deduct	-31.32	
10 51 13 00-0100	EA		15" x 18" x 60" Single Tier Athletic Locker	263.38	28.93
			For >25 To 50, Deduct	-10.28	
			For >50 To 100, Deduct	-21.42	
			For >100, Deduct	-32.57	
10 51 13 00-0101	EA		18" x 18" x 60" Single Tier Athletic Locker	299.25	28.93
			For >25 To 50, Deduct	-12.07	
			For >50 To 100, Deduct	-25.01	
			For >100, Deduct	-37.95	
10 51 13 00-0102	EA		18" x 21" x 60" Single Tier Athletic Locker	327.76	28.93
			For >25 To 50, Deduct	-13.50	
			For >50 To 100, Deduct	-27.86	
			For >100, Deduct	-42.22	
10 51 13 00-0103	EA		18" x 24" x 60" Single Tier Athletic Locker	347.27	28.93
			For >25 To 50, Deduct	-14.47	
			For >50 To 100, Deduct	-29.81	
			For >100, Deduct	-45.15	
10 51 13 00-0104	EA		12" x 15" x 72" Single Tier Athletic Locker	250.91	28.93
			For >25 To 50, Deduct	-9.65	
			For >50 To 100, Deduct	-20.17	
			For >100, Deduct	-30.69	
10 51 13 00-0105	EA		12" x 18" x 72" Single Tier Athletic Locker	264.94	28.93
			For >25 To 50, Deduct	-10.35	
			For >50 To 100, Deduct	-21.58	
			For >100, Deduct	-32.80	
10 51 13 00-0106	EA		15" x 15" x 72" Single Tier Athletic Locker	269.87	28.93
			For >25 To 50, Deduct	-10.60	
			For >50 To 100, Deduct	-22.07	
			For >100, Deduct	-33.54	
10 51 13 00-0107	EA		15" x 18" x 72" Single Tier Athletic Locker	278.88	28.93
			For >25 To 50, Deduct	-11.05	
			For >50 To 100, Deduct	-22.97	
			For >100, Deduct	-34.89	
10 51 13 00-0108	EA		18" x 18" x 72" Single Tier Athletic Locker	301.09	28.93
			For >25 To 50, Deduct	-12.16	
			For >50 To 100, Deduct	-25.19	
			For >100, Deduct	-38.22	
10 51 13 00-0109	EA		18" x 21" x 72" Single Tier Athletic Locker	324.36	28.93
			For >25 To 50, Deduct	-13.33	
			For >50 To 100, Deduct	-27.52	
			For >100, Deduct	-41.71	
10 51 13 00-0110			Two Tier Athletic Locker <small>(10 51 13 00-0095)</small>		
			Note: Includes three single hooks and one double hook per tier.		
10 51 13 00-0111	EA		12" x 12" x 60" Two Tier Athletic Locker	270.09	28.93
			For >25 To 50, Deduct	-10.52	
			For >50 To 100, Deduct	-21.94	
			For >100, Deduct	-33.35	
10 51 13 00-0112	EA		12" x 15" x 60" Two Tier Athletic Locker	278.38	28.93
			For >25 To 50, Deduct	-10.94	
			For >50 To 100, Deduct	-22.77	
			For >100, Deduct	-34.60	
10 51 13 00-0113	EA		12" x 18" x 60" Two Tier Athletic Locker	287.71	28.93
			For >25 To 50, Deduct	-11.40	
			For >50 To 100, Deduct	-23.70	
			For >100, Deduct	-36.00	
10 51 13 00-0114	EA		15" x 15" x 60" Two Tier Athletic Locker	288.62	28.93
			For >25 To 50, Deduct	-11.45	
			For >50 To 100, Deduct	-23.79	
			For >100, Deduct	-36.13	
10 51 13 00-0115	EA		15" x 18" x 60" Two Tier Athletic Locker	290.56	28.93
			For >25 To 50, Deduct	-11.55	
			For >50 To 100, Deduct	-23.98	
			For >100, Deduct	-36.42	
10 51 13 00-0116	EA		18" x 18" x 60" Two Tier Athletic Locker	306.96	28.93
			For >25 To 50, Deduct	-12.37	
			For >50 To 100, Deduct	-25.62	
			For >100, Deduct	-38.88	



Specialties	10
Storage Specialties	10 50
Lockers	10 51

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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 51 13 00-0117 EA 18" x 21" x 60" Two Tier Athletic Locker	318.97	29.83
For >25 To 50, Deduct	-12.97	
For >50 To 100, Deduct	-26.83	
For >100, Deduct	-40.69	
10 51 13 00-0118 EA 18" x 24" x 60" Two Tier Athletic Locker	372.60	29.83
For >25 To 50, Deduct	-15.65	
For >50 To 100, Deduct	-32.19	
For >100, Deduct	-48.73	
10 51 13 00-0119 EA 12" x 12" x 72" Two Tier Athletic Locker	279.06	29.83
For >25 To 50, Deduct	-10.97	
For >50 To 100, Deduct	-22.83	
For >100, Deduct	-34.70	
10 51 13 00-0120 EA 12" x 15" x 72" Two Tier Athletic Locker	287.55	29.83
For >25 To 50, Deduct	-11.39	
For >50 To 100, Deduct	-23.68	
For >100, Deduct	-35.97	
10 51 13 00-0121 EA 12" x 18" x 72" Two Tier Athletic Locker	299.13	29.83
For >25 To 50, Deduct	-11.97	
For >50 To 100, Deduct	-24.84	
For >100, Deduct	-37.71	
10 51 13 00-0122 EA 15" x 15" x 72" Two Tier Athletic Locker	300.88	29.83
For >25 To 50, Deduct	-12.06	
For >50 To 100, Deduct	-25.02	
For >100, Deduct	-37.97	
10 51 13 00-0123 EA 15" x 18" x 72" Two Tier Athletic Locker	310.40	29.83
For >25 To 50, Deduct	-12.54	
For >50 To 100, Deduct	-25.97	
For >100, Deduct	-39.40	
10 51 13 00-0124 EA 18" x 18" x 72" Two Tier Athletic Locker	322.08	29.83
For >25 To 50, Deduct	-13.12	
For >50 To 100, Deduct	-27.14	
For >100, Deduct	-41.15	
10 51 13 00-0125 EA 18" x 21" x 72" Two Tier Athletic Locker	348.31	29.83
For >25 To 50, Deduct	-14.43	
For >50 To 100, Deduct	-29.76	
For >100, Deduct	-45.09	
10 51 13 00-0126 Three Tier Athletic Locker (10 51 13 00-0095)		
Note: Includes one double hook per tier.		
10 51 13 00-0127 EA 12" x 12" x 60" Three Tier Athletic Locker	291.86	30.73
For >25 To 50, Deduct	-11.52	
For >50 To 100, Deduct	-23.96	
For >100, Deduct	-36.40	
10 51 13 00-0128 EA 12" x 15" x 60" Three Tier Athletic Locker	305.30	30.73
For >25 To 50, Deduct	-12.19	
For >50 To 100, Deduct	-25.31	
For >100, Deduct	-38.42	
10 51 13 00-0129 EA 12" x 18" x 60" Three Tier Athletic Locker	317.18	30.73
For >25 To 50, Deduct	-12.79	
For >50 To 100, Deduct	-26.49	
For >100, Deduct	-40.20	
10 51 13 00-0130 EA 15" x 15" x 60" Three Tier Athletic Locker	325.25	30.73
For >25 To 50, Deduct	-13.19	
For >50 To 100, Deduct	-27.30	
For >100, Deduct	-41.41	
10 51 13 00-0131 EA 15" x 18" x 60" Three Tier Athletic Locker	338.68	30.73
For >25 To 50, Deduct	-13.86	
For >50 To 100, Deduct	-28.64	
For >100, Deduct	-43.43	
10 51 13 00-0132 EA 12" x 12" x 72" Three Tier Athletic Locker	307.17	30.73
For >25 To 50, Deduct	-12.29	
For >50 To 100, Deduct	-25.49	
For >100, Deduct	-38.70	
10 51 13 00-0133 EA 12" x 15" x 72" Three Tier Athletic Locker	319.31	30.73
For >25 To 50, Deduct	-12.89	
For >50 To 100, Deduct	-26.71	
For >100, Deduct	-40.52	
10 51 13 00-0134 EA 12" x 18" x 72" Three Tier Athletic Locker	336.05	30.73
For >25 To 50, Deduct	-13.73	
For >50 To 100, Deduct	-28.38	
For >100, Deduct	-43.03	
10 51 13 00-0135 EA 15" x 15" x 72" Three Tier Athletic Locker	344.62	30.73
For >25 To 50, Deduct	-14.16	
For >50 To 100, Deduct	-29.24	
For >100, Deduct	-44.32	
10 51 13 00-0136 EA 15" x 18" x 72" Three Tier Athletic Locker	357.48	30.73
For >25 To 50, Deduct	-14.80	
For >50 To 100, Deduct	-30.52	
For >100, Deduct	-46.25	

10 51 13 00-0137 Four Tier Athletic Locker (10 51 13 00-0095)

10 Specialties**10 50 Storage Specialties****10 51 Lockers**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 51 13 00-0138 EA 12" x 12" x 60" Four Tier Athletic Locker.....	270.76	31.64
For >25 To 50, Deduct	-10.37	
For >50 To 100, Deduct	-21.70	
For >100, Deduct	-33.02	
10 51 13 00-0139 EA 12" x 15" x 60" Four Tier Athletic Locker.....	287.21	31.64
For >25 To 50, Deduct	-11.20	
For >50 To 100, Deduct	-23.34	
For >100, Deduct	-35.49	
10 51 13 00-0140 EA 12" x 18" x 60" Four Tier Athletic Locker.....	303.67	31.64
For >25 To 50, Deduct	-12.02	
For >50 To 100, Deduct	-24.99	
For >100, Deduct	-37.96	
10 51 13 00-0141 EA 15" x 15" x 60" Four Tier Athletic Locker.....	310.39	31.64
For >25 To 50, Deduct	-12.36	
For >50 To 100, Deduct	-25.66	
For >100, Deduct	-38.96	
10 51 13 00-0142 EA 15" x 18" x 60" Four Tier Athletic Locker.....	337.42	31.64
For >25 To 50, Deduct	-13.71	
For >50 To 100, Deduct	-28.36	
For >100, Deduct	-43.02	
10 51 13 00-0143 EA 12" x 12" x 72" Four Tier Athletic Locker.....	287.50	31.64
For >25 To 50, Deduct	-11.21	
For >50 To 100, Deduct	-23.37	
For >100, Deduct	-35.53	
10 51 13 00-0144 EA 12" x 15" x 72" Four Tier Athletic Locker.....	304.19	31.64
For >25 To 50, Deduct	-12.05	
For >50 To 100, Deduct	-25.04	
For >100, Deduct	-38.03	
10 51 13 00-0145 EA 12" x 18" x 72" Four Tier Athletic Locker.....	320.88	31.64
For >25 To 50, Deduct	-12.88	
For >50 To 100, Deduct	-26.71	
For >100, Deduct	-40.54	
10 51 13 00-0146 EA 15" x 15" x 72" Four Tier Athletic Locker.....	329.43	31.64
For >25 To 50, Deduct	-13.31	
For >50 To 100, Deduct	-27.56	
For >100, Deduct	-41.82	
10 51 13 00-0147 EA 15" x 18" x 72" Four Tier Athletic Locker.....	335.84	31.64
For >25 To 50, Deduct	-13.63	
For >50 To 100, Deduct	-28.21	
For >100, Deduct	-42.78	
10 51 13 00-0148 Six Tier Athletic Locker (10 51 13 00-0095)		
10 51 13 00-0149 EA 12" x 12" x 72" Six Tier Athletic Locker.....	317.37	32.54
For >25 To 50, Deduct	-12.61	
For >50 To 100, Deduct	-26.21	
For >100, Deduct	-39.80	
10 51 13 00-0150 EA 12" x 15" x 72" Six Tier Athletic Locker.....	330.20	32.54
For >25 To 50, Deduct	-13.26	
For >50 To 100, Deduct	-27.49	
For >100, Deduct	-41.72	
10 51 13 00-0151 EA 12" x 18" x 72" Six Tier Athletic Locker.....	342.99	32.54
For >25 To 50, Deduct	-13.90	
For >50 To 100, Deduct	-28.77	
For >100, Deduct	-43.64	
10 51 13 00-0152 EA 12" x 21" x 72" Six Tier Athletic Locker.....	389.71	32.54
For >25 To 50, Deduct	-16.23	
For >50 To 100, Deduct	-33.44	
For >100, Deduct	-50.65	
10 51 13 00-0153 Metal Locker Accessories (10 51 13)		
10 51 13 00-0154 Locker Slope Tops (10 51 13 00-0153)		
10 51 13 00-0155 16 Gauge Continuous Sloping Hood (10 51 13 00-0154)		
10 51 13 00-0156 LF 12" Deep, 16 Gauge Continuous Slope Top.....	20.90	3.62
10 51 13 00-0157 LF 15" Deep, 16 Gauge Continuous Slope Top.....	17.98	3.62
10 51 13 00-0158 LF 18" Deep, 16 Gauge Continuous Slope Top.....	23.89	3.62
10 51 13 00-0159 LF 21" Deep, 16 Gauge Continuous Slope Top.....	26.16	3.62
10 51 13 00-0160 LF 24" Deep, 16 Gauge Continuous Slope Top.....	27.23	3.62
10 51 13 00-0161 16 Gauge Slope Top Corner Fillers (10 51 13 00-0154)		
10 51 13 00-0162 EA 12" Deep, 16 Gauge Slope Top Corner Fillers.....	79.53	3.62
10 51 13 00-0163 EA 15" Deep, 16 Gauge Slope Top Corner Fillers.....	81.19	3.62
10 51 13 00-0164 EA 18" Deep, 16 Gauge Slope Top Corner Fillers.....	82.83	3.62
10 51 13 00-0165 EA 21" Deep, 16 Gauge Slope Top Corner Fillers.....	84.83	3.62
10 51 13 00-0166 EA 24" Deep, 16 Gauge Slope Top Corner Fillers.....	86.81	3.62
10 51 13 00-0167 20 Gauge Individual Slope Top (10 51 13 00-0154)		
10 51 13 00-0168 EA 12" Wide x 12" Deep 20 Gauge Individual Slope Top.....	18.27	3.62
10 51 13 00-0169 EA 12" Wide x 15" Deep 20 Gauge Individual Slope Top.....	18.16	3.62



Specialties	10	10
Storage Specialties	10 50	
Lockers	10 51	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 51 13 00-0170 EA 12" Wide x 18" Deep 20 Gauge Individual Slope Top.....	19.96	3.62
10 51 13 00-0171 EA 15" Wide x 15" Deep 20 Gauge Individual Slope Top.....	19.96	3.62
10 51 13 00-0172 EA 15" Wide x 18" Deep 20 Gauge Individual Slope Top.....	20.39	3.62
10 51 13 00-0173 EA 15" Wide x 21" Deep 20 Gauge Individual Slope Top.....	22.09	3.62
10 51 13 00-0174 EA 18" Wide x 18" Deep 20 Gauge Individual Slope Top.....	22.09	3.62
10 51 13 00-0175 EA 18" Wide x 21" Deep 20 Gauge Individual Slope Top.....	24.32	3.62
10 51 13 00-0176 EA 18" Wide x 24" Deep 20 Gauge Individual Slope Top.....	26.98	3.62
10 51 13 00-0177 Continuous Slope Top End Closures (10 51 13 00-0154)		
10 51 13 00-0178 PR 12" Deep, Continuous Slope Top End Closures.....	19.33	3.62
10 51 13 00-0179 PR 15" Deep, Continuous Slope Top End Closures.....	16.76	3.62
10 51 13 00-0180 PR 18" Deep, Continuous Slope Top End Closures.....	21.45	3.62
10 51 13 00-0181 PR 21" Deep, Continuous Slope Top End Closures.....	22.51	3.62
10 51 13 00-0182 PR 24" Deep, Continuous Slope Top End Closures.....	23.24	3.62
10 51 13 00-0183 Individual Slope Top End Closures (10 51 13 00-0154)		
10 51 13 00-0184 EA 12" Deep, Individual Slope Top End Closures.....	13.28	3.62
10 51 13 00-0185 EA 15" Deep, Individual Slope Top End Closures.....	13.61	3.62
10 51 13 00-0186 EA 18" Deep, Individual Slope Top End Closures.....	14.35	3.62
10 51 13 00-0187 EA 21" Deep, Individual Slope Top End Closures.....	14.86	3.62
10 51 13 00-0188 EA 24" Deep, Individual Slope Top End Closures.....	20.10	3.62
10 51 13 00-0189 Locker Base (10 51 13 00-0153)		
10 51 13 00-0190 Closed Front Base (10 51 13 00-0189)		
10 51 13 00-0191 EA 12" Wide, 6" High Closed Front Base.....	13.85	3.62
10 51 13 00-0192 EA 15" Wide, 6" High Closed Front Base.....	14.40	3.62
10 51 13 00-0193 EA 18" Wide, 6" High Closed Front Base.....	15.56	3.62
10 51 13 00-0194 EA 24" Wide, 6" High Closed Front Base.....	16.11	3.62
10 51 13 00-0195 Closed End Base (10 51 13 00-0189)		
10 51 13 00-0196 EA 12" Deep, 6" High Closed End Base.....	15.39	3.62
10 51 13 00-0197 EA 15" Deep, 6" High Closed End Base.....	15.48	3.62
10 51 13 00-0198 EA 18" Deep, 6" High Closed End Base.....	16.23	3.62
10 51 13 00-0199 EA 21" Deep, 6" High Closed End Base.....	16.97	3.62
10 51 13 00-0200 EA 24" Deep, 6" High Closed End Base.....	17.97	3.62
10 51 13 00-0201 Recessed Continuous Front "Z" Base (10 51 13 00-0189)		
10 51 13 00-0202 LF 4" High Recessed Continuous Front "Z" Base.....	15.49	2.72
10 51 13 00-0203 "Z" Base Ends Or Splice (10 51 13 00-0189)		
10 51 13 00-0204 EA 12" Wide, 4" High Z-Base Ends Or Splice.....	15.98	3.62
10 51 13 00-0205 EA 15" Wide, 4" High Z-Base Ends Or Splice.....	18.16	3.62
10 51 13 00-0206 EA 18" Wide, 4" High Z-Base Ends Or Splice.....	20.39	3.62
10 51 13 00-0207 EA 21" Wide, 4" High Z-Base Ends Or Splice.....	22.73	3.62
10 51 13 00-0208 EA 24" Wide, 4" High Z-Base Ends Or Splice.....	25.06	3.62
10 51 13 00-0209 Locker Front Fillers And End Panels (10 51 13 00-0153)		
10 51 13 00-0210 Locker Front Fillers (10 51 13 00-0209)		
10 51 13 00-0211 EA 6" Wide x 48" High, 16 Gauge Front Filler.....	20.71	4.51
10 51 13 00-0212 EA 12" Wide x 48" High, 16 Gauge Front Filler.....	31.85	4.51
10 51 13 00-0213 EA 6" Wide x 60" High, 16 Gauge Front Filler.....	25.29	4.51
10 51 13 00-0214 EA 12" Wide x 60" High, 16 Gauge Front Filler.....	37.56	4.51
10 51 13 00-0215 EA 6" Wide x 66" High, 16 Gauge Front Filler.....	27.29	4.51
10 51 13 00-0216 EA 12" Wide x 66" High, 16 Gauge Front Filler.....	30.32	4.51
10 51 13 00-0217 EA 6" Wide x 72" High, 16 Gauge Front Filler.....	29.61	4.51
10 51 13 00-0218 EA 12" Wide x 72" High, 16 Gauge Front Filler.....	40.87	4.51
10 51 13 00-0219 EA 6" Wide x 78" High, 16 Gauge Front Filler.....	30.25	4.51
10 51 13 00-0220 EA 12" Wide x 78" High, 16 Gauge Front Filler.....	34.80	4.51
10 51 13 00-0221 Locker End Panels (10 51 13 00-0209)		
10 51 13 00-0222 EA 12" Deep x 48" High, 16 Gauge End Panel.....	31.79	3.62
10 51 13 00-0223 EA 15" Deep x 48" High, 16 Gauge End Panel.....	38.34	3.62
10 51 13 00-0224 EA 18" Deep x 48" High, 16 Gauge End Panel.....	44.65	3.62
10 51 13 00-0225 EA 12" Deep x 60" High, 16 Gauge End Panel.....	37.16	3.62
10 51 13 00-0226 EA 15" Deep x 60" High, 16 Gauge End Panel.....	41.86	3.62
10 51 13 00-0227 EA 18" Deep x 60" High, 16 Gauge End Panel.....	49.26	3.62
10 51 13 00-0228 EA 12" Deep x 72" High, 16 Gauge End Panel.....	43.41	3.62
10 51 13 00-0229 EA 15" Deep x 72" High, 16 Gauge End Panel.....	49.13	3.62
10 51 13 00-0230 EA 18" Deep x 72" High, 16 Gauge End Panel.....	56.74	3.62
10 51 13 00-0231 EA 21" Deep x 72" High, 16 Gauge End Panel.....	65.00	3.62

10 Specialties
10 50 Storage Specialties
 10 51 Lockers



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 51 13 00-0232			Locker Recessed Trim (10 51 13 00-0153)		
10 51 13 00-0233	LF		3" Height, Top Trim For Recessed Lockers	7.18	1.81
10 51 13 00-0234	EA		3" Height, Inside And Outside Top Corner Trim For Recessed Lockers	18.99	3.62
10 51 13 00-0235	EA		60" Height, 3" Wide Side Trim For Recessed Lockers	27.81	3.62
10 51 13 00-0236	EA		66" Height, 3" Wide Side Trim For Recessed Lockers	28.74	3.62
10 51 13 00-0237	EA		72" Height, 3" Wide Side Trim For Recessed Lockers	29.67	3.62
10 51 13 00-0238	EA		78" Height, 3" Wide Side Trim For Recessed Lockers	30.48	3.62
10 51 13 00-0239			Locker Interior Accessories (10 51 13 00-0153)		
10 51 13 00-0240			Locker Coat Rods (10 51 13 00-0239)		
10 51 13 00-0241	EA		12" Wide Coat Rod	11.23	3.62
10 51 13 00-0242	EA		15" Wide Coat Rod	12.10	3.62
10 51 13 00-0243	EA		18" Wide Coat Rod	12.87	3.62
10 51 13 00-0244	EA		24" Wide Coat Rod	13.55	3.62
10 51 13 00-0245			Locker Hat Shelf (10 51 13 00-0239)		
10 51 13 00-0246	EA		12" Wide Hat Shelf	13.06	3.62
10 51 13 00-0247	EA		15" Wide Hat Shelf	14.93	3.62
10 51 13 00-0248	EA		18" Wide Hat Shelf	15.72	3.62
10 51 13 00-0249	EA		24" Wide Hat Shelf	18.84	3.62
10 51 13 00-0250			Locker ADA Compliant Shelf (10 51 13 00-0239)		
10 51 13 00-0251	EA		ADA Compliant Shelf For Single Tier Lockers	24.20	4.51
			Note: Includes an ADA label for locker face.		
10 51 13 00-0252			Other Interior Locker Accessories (10 51 13 00-0239)		
10 51 13 00-0253	EA		3" x 10" Bent Plate Shoe Rack	30.55	3.62
10 51 13 00-0254	EA		8" x 10" Mirror	24.72	3.62
10 51 13 00-0255	EA		Additional Hook	8.69	3.62
10 51 13 00-0256			Locker Locks (10 51 13 00-0153)		
10 51 13 00-0257	EA		Built In Combination Lock	26.90	3.62
10 51 13 00-0258			Locker Repair And Refinishing (10 51 13)		
10 51 13 00-0259	EA		Replace Single Tier Locker Door	236.56	
10 51 13 00-0260	EA		Replace Two Tier Locker Door	186.49	
10 51 13 00-0261	EA		Replace Three Tier Locker Door	161.02	
10 51 13 00-0262	EA		Replace Four Tier Locker Door	136.98	
10 51 13 00-0263	EA		Replace Six Tier Or Sixteen Person Locker Door	81.60	
10 51 13 00-0264	EA		Realign Metal Locker Door For Proper Closure	36.07	
10 51 13 00-0265	SF		Patch Small Drill Holes in Locker	7.21	
10 51 13 00-0266			Steel Basket Racks Mounted On Concrete Base (10 51 13)		
			Note: Includes electroplated baskets with 3/4" x 1" wire mesh sides and bottom with perforated sheet steel front and backs.		
10 51 13 00-0267	EA		9" x 13" x 8" Baskets, 28 Wire Mesh Baskets And Rack	1,196.76	67.80
10 51 13 00-0268	EA		12" x 13" x 8" Baskets, 21 Wire Mesh Baskets And Rack	1,029.11	67.80
10 51 26			Plastic Lockers (10 51)		
10 51 26 00-0001			Solid Plastic Lockers (10 51 26)		
			Note: Price per frame. High density polyethylene with homogeneous color throughout. Includes 1/2" door, 3/8" sides, tops, bottoms, rears and shelves. Excludes slope top, base, and locks.		
10 51 26 00-0002			Single Tier Solid Plastic Lockers (10 51 26 00-0001)		
			Note: Includes one double hook per tier.		
10 51 26 00-0003	EA		12" x 12" x 36" Single Tier Solid Plastic Locker (Tufftec Lockers®)	297.26	28.03
			For >50 To 100, Deduct	-24.12	
			For >100, Deduct	-37.86	
10 51 26 00-0004	EA		12" x 15" x 36" Single Tier Solid Plastic Locker (Tufftec Lockers®)	302.10	28.03
			For >50 To 100, Deduct	-24.61	
			For >100, Deduct	-38.59	
10 51 26 00-0005	EA		12" x 18" x 36" Single Tier Solid Plastic Locker (Tufftec Lockers®)	306.94	28.03
			For >50 To 100, Deduct	-25.09	
			For >100, Deduct	-39.32	
10 51 26 00-0006	EA		15" x 15" x 36" Single Tier Solid Plastic Locker (Tufftec Lockers®)	314.19	28.03
			For >50 To 100, Deduct	-25.81	
			For >100, Deduct	-40.40	
10 51 26 00-0007	EA		15" x 18" x 36" Single Tier Solid Plastic Locker (Tufftec Lockers®)	306.52	28.03
			For >50 To 100, Deduct	-25.05	
			For >100, Deduct	-39.25	



Specialties	10
Storage Specialties	10 50
Lockers	10 51

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MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 51 26 00-0008	EA		18" x 12" x 36" Single Tier Solid Plastic Locker (Tufftec Lockers®).....	308.55	28.03
			<i>For >50 To 100, Deduct</i>	-25.25	
			<i>For >100, Deduct</i>	-39.56	
10 51 26 00-0009	EA		18" x 15" x 36" Single Tier Solid Plastic Locker (Tufftec Lockers®).....	304.97	28.03
			<i>For >50 To 100, Deduct</i>	-24.89	
			<i>For >100, Deduct</i>	-39.02	
10 51 26 00-0010	EA		18" x 18" x 36" Single Tier Solid Plastic Locker (Tufftec Lockers®).....	324.95	28.03
			<i>For >50 To 100, Deduct</i>	-26.89	
			<i>For >100, Deduct</i>	-42.02	
10 51 26 00-0011	EA		12" x 12" x 48" Single Tier Solid Plastic Locker (Tufftec Lockers®).....	320.35	28.03
			<i>For >50 To 100, Deduct</i>	-26.43	
			<i>For >100, Deduct</i>	-41.33	
10 51 26 00-0012	EA		12" x 15" x 48" Single Tier Solid Plastic Locker (Tufftec Lockers®).....	325.72	28.03
			<i>For >50 To 100, Deduct</i>	-26.97	
			<i>For >100, Deduct</i>	-42.13	
10 51 26 00-0013	EA		12" x 18" x 48" Single Tier Solid Plastic Locker (Tufftec Lockers®).....	331.10	28.03
			<i>For >50 To 100, Deduct</i>	-27.51	
			<i>For >100, Deduct</i>	-42.94	
10 51 26 00-0014	EA		15" x 15" x 48" Single Tier Solid Plastic Locker (Tufftec Lockers®).....	343.39	28.03
			<i>For >50 To 100, Deduct</i>	-28.73	
			<i>For >100, Deduct</i>	-44.78	
10 51 26 00-0015	EA		15" x 18" x 48" Single Tier Solid Plastic Locker (Tufftec Lockers®).....	360.30	28.03
			<i>For >50 To 100, Deduct</i>	-30.43	
			<i>For >100, Deduct</i>	-47.32	
10 51 26 00-0016	EA		18" x 15" x 48" Single Tier Solid Plastic Locker (Tufftec Lockers®).....	344.93	28.03
			<i>For >50 To 100, Deduct</i>	-28.89	
			<i>For >100, Deduct</i>	-45.01	
10 51 26 00-0017	EA		18" x 18" x 48" Single Tier Solid Plastic Locker (Tufftec Lockers®).....	372.58	28.03
			<i>For >50 To 100, Deduct</i>	-31.65	
			<i>For >100, Deduct</i>	-49.16	
10 51 26 00-0018	EA		12" x 12" x 60" Single Tier Solid Plastic Locker (Tufftec Lockers®).....	322.49	28.03
			<i>For >50 To 100, Deduct</i>	-26.64	
			<i>For >100, Deduct</i>	-41.65	
10 51 26 00-0019	EA		12" x 15" x 60" Single Tier Solid Plastic Locker (Tufftec Lockers®).....	338.25	28.03
			<i>For >50 To 100, Deduct</i>	-28.22	
			<i>For >100, Deduct</i>	-44.01	
10 51 26 00-0020	EA		12" x 18" x 60" Single Tier Solid Plastic Locker (Tufftec Lockers®).....	354.02	28.03
			<i>For >50 To 100, Deduct</i>	-29.80	
			<i>For >100, Deduct</i>	-46.38	
10 51 26 00-0021	EA		15" x 12" x 60" Single Tier Solid Plastic Locker (Tufftec Lockers®).....	342.47	28.03
			<i>For >50 To 100, Deduct</i>	-28.64	
			<i>For >100, Deduct</i>	-44.64	
10 51 26 00-0022	EA		15" x 15" x 60" Single Tier Solid Plastic Locker (Tufftec Lockers®).....	359.17	28.03
			<i>For >50 To 100, Deduct</i>	-30.31	
			<i>For >100, Deduct</i>	-47.15	
10 51 26 00-0023	EA		15" x 18" x 60" Single Tier Solid Plastic Locker (Tufftec Lockers®).....	375.89	28.03
			<i>For >50 To 100, Deduct</i>	-31.98	
			<i>For >100, Deduct</i>	-49.66	
10 51 26 00-0024	EA		18" x 12" x 60" Single Tier Solid Plastic Locker (Tufftec Lockers®).....	362.45	28.03
			<i>For >50 To 100, Deduct</i>	-30.64	
			<i>For >100, Deduct</i>	-47.64	
10 51 26 00-0025	EA		18" x 15" x 60" Single Tier Solid Plastic Locker (Tufftec Lockers®).....	380.11	28.03
			<i>For >50 To 100, Deduct</i>	-32.41	
			<i>For >100, Deduct</i>	-50.29	
10 51 26 00-0026	EA		12" x 12" x 72" Single Tier Solid Plastic Locker (Tufftec Lockers®).....	366.15	28.93
			<i>For >50 To 100, Deduct</i>	-30.83	
			<i>For >100, Deduct</i>	-47.98	
10 51 26 00-0027	EA		12" x 15" x 72" Single Tier Solid Plastic Locker (Tufftec Lockers®).....	383.82	28.93
			<i>For >50 To 100, Deduct</i>	-32.60	
			<i>For >100, Deduct</i>	-50.63	
10 51 26 00-0028	EA		12" x 18" x 72" Single Tier Solid Plastic Locker (Tufftec Lockers®).....	401.47	28.93
			<i>For >50 To 100, Deduct</i>	-34.36	
			<i>For >100, Deduct</i>	-53.28	
10 51 26 00-0029	EA		15" x 12" x 72" Single Tier Solid Plastic Locker (Tufftec Lockers®).....	389.08	28.93
			<i>For >50 To 100, Deduct</i>	-33.12	
			<i>For >100, Deduct</i>	-51.42	
10 51 26 00-0030	EA		15" x 15" x 72" Single Tier Solid Plastic Locker (Tufftec Lockers®).....	407.72	28.93
			<i>For >50 To 100, Deduct</i>	-34.99	
			<i>For >100, Deduct</i>	-54.22	
10 51 26 00-0031	EA		15" x 18" x 72" Single Tier Solid Plastic Locker (Tufftec Lockers®).....	426.34	28.93
			<i>For >50 To 100, Deduct</i>	-36.85	
			<i>For >100, Deduct</i>	-57.01	
10 51 26 00-0032	EA		18" x 12" x 72" Single Tier Solid Plastic Locker (Tufftec Lockers®).....	407.36	28.93
			<i>For >50 To 100, Deduct</i>	-34.95	
			<i>For >100, Deduct</i>	-54.16	
10 51 26 00-0033	EA		18" x 15" x 72" Single Tier Solid Plastic Locker (Tufftec Lockers®).....	431.60	28.93
			<i>For >50 To 100, Deduct</i>	-37.38	
			<i>For >100, Deduct</i>	-57.80	
10 51 26 00-0034	EA		18" x 18" x 72" Single Tier Solid Plastic Locker (Tufftec Lockers®).....	451.17	28.93
			<i>For >50 To 100, Deduct</i>	-39.33	
			<i>For >100, Deduct</i>	-60.73	

10 51 26 00-0035 Double Tier Solid Plastic Lockers (10 51 26 00-0001)
 Note: Includes one double hook per tier.

10	Specialties
10 50	Storage Specialties
10 51	Lockers



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 51 26 00-0036 EA 12" x 12" x 48" Double Tier Solid Plastic Locker (Tufftec Lockers®) <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	331.36 -27.35 -42.76	28.93
10 51 26 00-0037 EA 12" x 15" x 48" Double Tier Solid Plastic Locker (Tufftec Lockers®) <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	335.97 -27.81 -43.45	28.93
10 51 26 00-0038 EA 12" x 18" x 48" Double Tier Solid Plastic Locker (Tufftec Lockers®) <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	342.88 -28.50 -44.49	28.93
10 51 26 00-0039 EA 15" x 12" x 48" Double Tier Solid Plastic Locker (Tufftec Lockers®) <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	340.58 -28.27 -44.15	28.93
10 51 26 00-0040 EA 15" x 15" x 48" Double Tier Solid Plastic Locker (Tufftec Lockers®) <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	352.88 -29.50 -45.99	28.93
10 51 26 00-0041 EA 15" x 18" x 48" Double Tier Solid Plastic Locker (Tufftec Lockers®) <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	382.07 -32.42 -50.37	28.93
10 51 26 00-0042 EA 18" x 12" x 48" Double Tier Solid Plastic Locker (Tufftec Lockers®) <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	343.66 -28.58 -44.61	28.93
10 51 26 00-0043 EA 18" x 15" x 48" Double Tier Solid Plastic Locker (Tufftec Lockers®) <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	358.53 -30.07 -46.84	28.93
10 51 26 00-0044 EA 18" x 18" x 48" Double Tier Solid Plastic Locker (Tufftec Lockers®) <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	385.15 -32.73 -50.83	28.93
10 51 26 00-0045 EA 12" x 12" x 60" Double Tier Solid Plastic Locker (Tufftec Lockers®) <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	341.94 -28.41 -44.35	28.93
10 51 26 00-0046 EA 12" x 15" x 60" Double Tier Solid Plastic Locker (Tufftec Lockers®) <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	366.00 -30.82 -47.96	28.93
10 51 26 00-0047 EA 12" x 18" x 60" Double Tier Solid Plastic Locker (Tufftec Lockers®) <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	372.88 -31.50 -48.99	28.93
10 51 26 00-0048 EA 15" x 12" x 60" Double Tier Solid Plastic Locker (Tufftec Lockers®) <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	370.03 -31.22 -48.56	28.93
10 51 26 00-0049 EA 15" x 15" x 60" Double Tier Solid Plastic Locker (Tufftec Lockers®) <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	385.97 -32.81 -50.95	28.93
10 51 26 00-0050 EA 18" x 12" x 60" Double Tier Solid Plastic Locker (Tufftec Lockers®) <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	389.09 -33.12 -51.42	28.93
10 51 26 00-0051 EA 18" x 15" x 60" Double Tier Solid Plastic Locker (Tufftec Lockers®) <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	405.96 -34.81 -53.95	28.93
10 51 26 00-0052 EA 18" x 18" x 60" Double Tier Solid Plastic Locker (Tufftec Lockers®) <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	422.82 -36.50 -56.48	28.93
10 51 26 00-0053 EA 12" x 12" x 72" Double Tier Solid Plastic Locker (Tufftec Lockers®) <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	392.72 -33.31 -51.75	29.83
10 51 26 00-0054 EA 12" x 15" x 72" Double Tier Solid Plastic Locker (Tufftec Lockers®) <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	409.58 -34.99 -54.28	29.83
10 51 26 00-0055 EA 12" x 18" x 72" Double Tier Solid Plastic Locker (Tufftec Lockers®) <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	418.37 -35.87 -55.60	29.83
10 51 26 00-0056 EA 15" x 12" x 72" Double Tier Solid Plastic Locker (Tufftec Lockers®) <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	414.61 -35.50 -55.03	29.83
10 51 26 00-0057 EA 15" x 15" x 72" Double Tier Solid Plastic Locker (Tufftec Lockers®) <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	432.40 -37.27 -57.70	29.83
10 51 26 00-0058 EA 15" x 18" x 72" Double Tier Solid Plastic Locker (Tufftec Lockers®) <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	450.18 -39.05 -60.37	29.83
10 51 26 00-0059 EA 18" x 12" x 72" Double Tier Solid Plastic Locker (Tufftec Lockers®) <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	417.79 -35.81 -55.51	29.83
10 51 26 00-0060 EA 18" x 15" x 72" Double Tier Solid Plastic Locker (Tufftec Lockers®) <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	455.20 -39.55 -61.12	29.83
10 51 26 00-0061 EA 18" x 18" x 72" Double Tier Solid Plastic Locker (Tufftec Lockers®) <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	473.87 -41.42 -63.92	29.83
10 51 26 00-0062 Triple Tier Solid Plastic Lockers (10 51 26 00-0001) Note: Includes one double hook per tier.		
10 51 26 00-0063 EA 12" x 12" x 48" Triple Tier Solid Plastic Locker (Tufftec Lockers®) <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	327.41 -26.78 -41.95	29.83



Specialties	10
Storage Specialties	10 50
Lockers	10 51

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MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 51 26 00-0064	EA		15" x 15" x 48" Triple Tier Solid Plastic Locker (Tufftec Lockers®).....	340.06	29.83
			<i>For >50 To 100, Deduct</i>	-28.04	
			<i>For >100, Deduct</i>	-43.85	
10 51 26 00-0065	EA		15" x 18" x 48" Triple Tier Solid Plastic Locker (Tufftec Lockers®).....	351.66	29.83
			<i>For >50 To 100, Deduct</i>	-29.20	
			<i>For >100, Deduct</i>	-45.59	
10 51 26 00-0066	EA		12" x 12" x 60" Triple Tier Solid Plastic Locker (Tufftec Lockers®).....	353.91	29.83
			<i>For >50 To 100, Deduct</i>	-29.43	
			<i>For >100, Deduct</i>	-45.93	
10 51 26 00-0067	EA		12" x 15" x 60" Triple Tier Solid Plastic Locker (Tufftec Lockers®).....	380.95	29.83
			<i>For >50 To 100, Deduct</i>	-32.13	
			<i>For >100, Deduct</i>	-49.98	
10 51 26 00-0068	EA		12" x 18" x 60" Triple Tier Solid Plastic Locker (Tufftec Lockers®).....	381.08	29.83
			<i>For >50 To 100, Deduct</i>	-32.14	
			<i>For >100, Deduct</i>	-50.00	
10 51 26 00-0069	EA		15" x 12" x 60" Triple Tier Solid Plastic Locker (Tufftec Lockers®).....	395.83	29.83
			<i>For >50 To 100, Deduct</i>	-33.62	
			<i>For >100, Deduct</i>	-52.22	
10 51 26 00-0070	EA		15" x 15" x 60" Triple Tier Solid Plastic Locker (Tufftec Lockers®).....	410.64	29.83
			<i>For >50 To 100, Deduct</i>	-35.10	
			<i>For >100, Deduct</i>	-54.44	
10 51 26 00-0071	EA		15" x 18" x 60" Triple Tier Solid Plastic Locker (Tufftec Lockers®).....	425.45	29.83
			<i>For >50 To 100, Deduct</i>	-36.58	
			<i>For >100, Deduct</i>	-56.66	
10 51 26 00-0072	EA		18" x 12" x 60" Triple Tier Solid Plastic Locker (Tufftec Lockers®).....	413.54	29.83
			<i>For >50 To 100, Deduct</i>	-35.39	
			<i>For >100, Deduct</i>	-54.87	
10 51 26 00-0073	EA		18" x 15" x 60" Triple Tier Solid Plastic Locker (Tufftec Lockers®).....	429.20	29.83
			<i>For >50 To 100, Deduct</i>	-36.95	
			<i>For >100, Deduct</i>	-57.22	
10 51 26 00-0074	EA		18" x 18" x 60" Triple Tier Solid Plastic Locker (Tufftec Lockers®).....	444.85	29.83
			<i>For >50 To 100, Deduct</i>	-38.52	
			<i>For >100, Deduct</i>	-59.57	
10 51 26 00-0075	EA		12" x 12" x 72" Triple Tier Solid Plastic Locker (Tufftec Lockers®).....	417.03	30.73
			<i>For >50 To 100, Deduct</i>	-35.56	
			<i>For >100, Deduct</i>	-55.18	
10 51 26 00-0076	EA		12" x 15" x 72" Triple Tier Solid Plastic Locker (Tufftec Lockers®).....	432.70	30.73
			<i>For >50 To 100, Deduct</i>	-37.12	
			<i>For >100, Deduct</i>	-57.53	
10 51 26 00-0077	EA		12" x 18" x 72" Triple Tier Solid Plastic Locker (Tufftec Lockers®).....	443.69	30.73
			<i>For >50 To 100, Deduct</i>	-38.22	
			<i>For >100, Deduct</i>	-59.18	
10 51 26 00-0078	EA		15" x 12" x 72" Triple Tier Solid Plastic Locker (Tufftec Lockers®).....	437.36	30.73
			<i>For >50 To 100, Deduct</i>	-37.59	
			<i>For >100, Deduct</i>	-58.23	
10 51 26 00-0079	EA		15" x 15" x 72" Triple Tier Solid Plastic Locker (Tufftec Lockers®).....	442.33	30.73
			<i>For >50 To 100, Deduct</i>	-38.09	
			<i>For >100, Deduct</i>	-58.97	
10 51 26 00-0080	EA		15" x 18" x 72" Triple Tier Solid Plastic Locker (Tufftec Lockers®).....	460.22	30.73
			<i>For >50 To 100, Deduct</i>	-39.88	
			<i>For >100, Deduct</i>	-61.66	
10 51 26 00-0081	EA		18" x 12" x 72" Triple Tier Solid Plastic Locker (Tufftec Lockers®).....	430.25	30.73
			<i>For >50 To 100, Deduct</i>	-36.88	
			<i>For >100, Deduct</i>	-57.16	
10 51 26 00-0082	EA		18" x 15" x 72" Triple Tier Solid Plastic Locker (Tufftec Lockers®).....	466.63	30.73
			<i>For >50 To 100, Deduct</i>	-40.52	
			<i>For >100, Deduct</i>	-62.62	
10 51 26 00-0083	EA		18" x 18" x 72" Triple Tier Solid Plastic Locker (Tufftec Lockers®).....	492.39	30.73
			<i>For >50 To 100, Deduct</i>	-43.09	
			<i>For >100, Deduct</i>	-66.48	
10 51 26 00-0084			Four Tier Solid Plastic Lockers <small>(10 51 26 00-0001)</small>		
10 51 26 00-0085	EA		12" x 12" x 60" Four Tier Solid Plastic Locker (Tufftec Lockers®).....	377.24	30.73
			<i>For >50 To 100, Deduct</i>	-31.58	
			<i>For >100, Deduct</i>	-49.21	
10 51 26 00-0086	EA		12" x 15" x 60" Four Tier Solid Plastic Locker (Tufftec Lockers®).....	387.51	30.73
			<i>For >50 To 100, Deduct</i>	-32.60	
			<i>For >100, Deduct</i>	-50.75	
10 51 26 00-0087	EA		12" x 18" x 60" Four Tier Solid Plastic Locker (Tufftec Lockers®).....	406.44	30.73
			<i>For >50 To 100, Deduct</i>	-34.50	
			<i>For >100, Deduct</i>	-53.59	
10 51 26 00-0088	EA		15" x 12" x 60" Four Tier Solid Plastic Locker (Tufftec Lockers®).....	404.13	30.73
			<i>For >50 To 100, Deduct</i>	-34.27	
			<i>For >100, Deduct</i>	-53.24	
10 51 26 00-0089	EA		15" x 15" x 60" Four Tier Solid Plastic Locker (Tufftec Lockers®).....	428.65	30.73
			<i>For >50 To 100, Deduct</i>	-36.72	
			<i>For >100, Deduct</i>	-56.92	
10 51 26 00-0090	EA		15" x 18" x 60" Four Tier Solid Plastic Locker (Tufftec Lockers®).....	436.39	30.73
			<i>For >50 To 100, Deduct</i>	-37.49	
			<i>For >100, Deduct</i>	-58.08	
10 51 26 00-0091	EA		18" x 12" x 60" Four Tier Solid Plastic Locker (Tufftec Lockers®).....	432.55	30.73
			<i>For >50 To 100, Deduct</i>	-37.11	
			<i>For >100, Deduct</i>	-57.51	

10 Specialties**10 50 Storage Specialties****10 51 Lockers**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 51 26 00-0092	EA		18" x 15" x 60" Four Tier Solid Plastic Locker (Tufftec Lockers®)	445.61	30.73
			<i>For >50 To 100, Deduct</i>	-38.41	
			<i>For >100, Deduct</i>	-59.47	
10 51 26 00-0093	EA		18" x 18" x 60" Four Tier Solid Plastic Locker (Tufftec Lockers®)	483.27	30.73
			<i>For >50 To 100, Deduct</i>	-42.18	
			<i>For >100, Deduct</i>	-65.11	
10 51 26 00-0094	EA		12" x 12" x 72" Four Tier Solid Plastic Locker (Tufftec Lockers®)	431.25	31.64
			<i>For >50 To 100, Deduct</i>	-36.80	
			<i>For >100, Deduct</i>	-57.09	
10 51 26 00-0095	EA		12" x 15" x 72" Four Tier Solid Plastic Locker (Tufftec Lockers®)	449.46	31.64
			<i>For >50 To 100, Deduct</i>	-38.62	
			<i>For >100, Deduct</i>	-59.83	
10 51 26 00-0096	EA		12" x 18" x 72" Four Tier Solid Plastic Locker (Tufftec Lockers®)	451.83	31.64
			<i>For >50 To 100, Deduct</i>	-38.86	
			<i>For >100, Deduct</i>	-60.18	
10 51 26 00-0097	EA		15" x 12" x 72" Four Tier Solid Plastic Locker (Tufftec Lockers®)	474.78	31.64
			<i>For >50 To 100, Deduct</i>	-41.15	
			<i>For >100, Deduct</i>	-63.62	
10 51 26 00-0098	EA		15" x 15" x 72" Four Tier Solid Plastic Locker (Tufftec Lockers®)	453.54	31.64
			<i>For >50 To 100, Deduct</i>	-39.03	
			<i>For >100, Deduct</i>	-60.44	
10 51 26 00-0099	EA		15" x 18" x 72" Four Tier Solid Plastic Locker (Tufftec Lockers®)	472.78	31.64
			<i>For >50 To 100, Deduct</i>	-40.95	
			<i>For >100, Deduct</i>	-63.32	
10 51 26 00-0100	EA		18" x 12" x 72" Four Tier Solid Plastic Locker (Tufftec Lockers®)	452.81	31.64
			<i>For >50 To 100, Deduct</i>	-38.95	
			<i>For >100, Deduct</i>	-60.33	
10 51 26 00-0101	EA		18" x 15" x 72" Four Tier Solid Plastic Locker (Tufftec Lockers®)	475.86	31.64
			<i>For >50 To 100, Deduct</i>	-41.26	
			<i>For >100, Deduct</i>	-63.79	
10 51 26 00-0102	EA		18" x 18" x 72" Four Tier Solid Plastic Locker (Tufftec Lockers®)	510.39	31.64
			<i>For >50 To 100, Deduct</i>	-44.71	
			<i>For >100, Deduct</i>	-68.96	
10 51 26 00-0103			Five Tier Solid Plastic Lockers <small>(10 51 26 00-0001)</small>		
10 51 26 00-0104	EA		12" x 12" x 60" Five Tier Solid Plastic Locker (Tufftec Lockers®)	408.45	31.18
			<i>For >50 To 100, Deduct</i>	-34.61	
			<i>For >100, Deduct</i>	-53.78	
10 51 26 00-0105	EA		12" x 15" x 60" Five Tier Solid Plastic Locker (Tufftec Lockers®)	421.16	31.18
			<i>For >50 To 100, Deduct</i>	-35.88	
			<i>For >100, Deduct</i>	-55.69	
10 51 26 00-0106	EA		12" x 18" x 60" Five Tier Solid Plastic Locker (Tufftec Lockers®)	433.88	31.18
			<i>For >50 To 100, Deduct</i>	-37.15	
			<i>For >100, Deduct</i>	-57.60	
10 51 26 00-0107	EA		15" x 12" x 60" Five Tier Solid Plastic Locker (Tufftec Lockers®)	425.78	31.18
			<i>For >50 To 100, Deduct</i>	-36.34	
			<i>For >100, Deduct</i>	-56.38	
10 51 26 00-0108	EA		15" x 15" x 60" Five Tier Solid Plastic Locker (Tufftec Lockers®)	448.56	31.18
			<i>For >50 To 100, Deduct</i>	-38.62	
			<i>For >100, Deduct</i>	-59.80	
10 51 26 00-0109	EA		15" x 18" x 60" Five Tier Solid Plastic Locker (Tufftec Lockers®)	459.58	31.18
			<i>For >50 To 100, Deduct</i>	-39.72	
			<i>For >100, Deduct</i>	-61.45	
10 51 26 00-0110	EA		18" x 12" x 60" Five Tier Solid Plastic Locker (Tufftec Lockers®)	455.74	31.18
			<i>For >50 To 100, Deduct</i>	-39.34	
			<i>For >100, Deduct</i>	-60.88	
10 51 26 00-0111	EA		18" x 15" x 60" Five Tier Solid Plastic Locker (Tufftec Lockers®)	468.04	31.18
			<i>For >50 To 100, Deduct</i>	-40.57	
			<i>For >100, Deduct</i>	-62.72	
10 51 26 00-0112	EA		18" x 18" x 60" Five Tier Solid Plastic Locker (Tufftec Lockers®)	507.99	31.18
			<i>For >50 To 100, Deduct</i>	-44.56	
			<i>For >100, Deduct</i>	-68.71	
10 51 26 00-0113	EA		12" x 12" x 72" Five Tier Solid Plastic Locker (Tufftec Lockers®)	444.03	32.09
			<i>For >50 To 100, Deduct</i>	-37.98	
			<i>For >100, Deduct</i>	-58.90	
10 51 26 00-0114	EA		12" x 15" x 72" Five Tier Solid Plastic Locker (Tufftec Lockers®)	458.29	32.09
			<i>For >50 To 100, Deduct</i>	-39.41	
			<i>For >100, Deduct</i>	-61.04	
10 51 26 00-0115	EA		12" x 18" x 72" Five Tier Solid Plastic Locker (Tufftec Lockers®)	472.53	32.09
			<i>For >50 To 100, Deduct</i>	-40.83	
			<i>For >100, Deduct</i>	-63.18	
10 51 26 00-0116	EA		15" x 12" x 72" Five Tier Solid Plastic Locker (Tufftec Lockers®)	467.55	32.09
			<i>For >50 To 100, Deduct</i>	-40.34	
			<i>For >100, Deduct</i>	-62.43	
10 51 26 00-0117	EA		15" x 15" x 72" Five Tier Solid Plastic Locker (Tufftec Lockers®)	477.57	32.09
			<i>For >50 To 100, Deduct</i>	-41.34	
			<i>For >100, Deduct</i>	-63.93	
10 51 26 00-0118	EA		15" x 18" x 72" Five Tier Solid Plastic Locker (Tufftec Lockers®)	492.59	32.09
			<i>For >50 To 100, Deduct</i>	-42.84	
			<i>For >100, Deduct</i>	-66.19	
10 51 26 00-0119	EA		18" x 12" x 72" Five Tier Solid Plastic Locker (Tufftec Lockers®)	481.05	32.09
			<i>For >50 To 100, Deduct</i>	-41.69	
			<i>For >100, Deduct</i>	-64.45	



Specialties	10	10
Storage Specialties	10 50	
Lockers	10 51	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 51 26 00-0120 EA 18" x 15" x 72" Five Tier Solid Plastic Locker (Tufftec Lockers®).....	498.27	32.09
For >50 To 100, Deduct	-43.41	
For >100, Deduct	-67.04	
10 51 26 00-0121 EA 18" x 18" x 72" Five Tier Solid Plastic Locker (Tufftec Lockers®).....	518.25	32.09
For >50 To 100, Deduct	-45.41	
For >100, Deduct	-70.03	
10 51 26 00-0122 Six Tier Solid Plastic Lockers (10 51 26 00-0001)		
10 51 26 00-0123 EA 15" x 12" x 60" Six Tier Solid Plastic Locker (Tufftec Lockers®).....	467.46	31.64
For >50 To 100, Deduct	-40.42	
For >100, Deduct	-62.53	
10 51 26 00-0124 EA 12" x 12" x 72" Six Tier Solid Plastic Locker (Tufftec Lockers®).....	459.96	32.54
For >50 To 100, Deduct	-39.49	
For >100, Deduct	-61.18	
10 51 26 00-0125 EA 12" x 15" x 72" Six Tier Solid Plastic Locker (Tufftec Lockers®).....	474.20	32.54
For >50 To 100, Deduct	-40.91	
For >100, Deduct	-63.32	
10 51 26 00-0126 EA 12" x 18" x 72" Six Tier Solid Plastic Locker (Tufftec Lockers®).....	483.70	32.54
For >50 To 100, Deduct	-41.86	
For >100, Deduct	-64.75	
10 51 26 00-0127 EA 15" x 12" x 72" Six Tier Solid Plastic Locker (Tufftec Lockers®).....	502.69	32.54
For >50 To 100, Deduct	-43.76	
For >100, Deduct	-67.59	
10 51 26 00-0128 EA 15" x 15" x 72" Six Tier Solid Plastic Locker (Tufftec Lockers®).....	508.23	32.54
For >50 To 100, Deduct	-44.32	
For >100, Deduct	-68.42	
10 51 26 00-0129 EA 15" x 18" x 72" Six Tier Solid Plastic Locker (Tufftec Lockers®).....	512.19	32.54
For >50 To 100, Deduct	-44.71	
For >100, Deduct	-69.02	
10 51 26 00-0130 EA 18" x 12" x 72" Six Tier Solid Plastic Locker (Tufftec Lockers®).....	513.77	32.54
For >50 To 100, Deduct	-44.87	
For >100, Deduct	-69.26	
10 51 26 00-0131 EA 18" x 15" x 72" Six Tier Solid Plastic Locker (Tufftec Lockers®).....	531.18	32.54
For >50 To 100, Deduct	-46.61	
For >100, Deduct	-71.87	
10 51 26 00-0132 EA 18" x 18" x 72" Six Tier Solid Plastic Locker (Tufftec Lockers®).....	554.13	32.54
For >50 To 100, Deduct	-48.91	
For >100, Deduct	-75.31	
10 51 26 00-0133 Solid Plastic Locker Accessories (10 51 26 00-0001)		
10 51 26 00-0134 Slope Tops For Solid Plastic Lockers (10 51 26 00-0133)		
Note: Price per frame.		
10 51 26 00-0135 EA Slope Top For Solid Plastic Lockers (Tufftec Lockers®).....	23.67	
10 51 26 00-0136 Recessed Bases For Solid Plastic Lockers (10 51 26 00-0133)		
Note: Price per frame.		
10 51 26 00-0137 EA Recessed Base For Solid Plastic Lockers (Tufftec Lockers®).....	25.72	
10 51 26 00-0138 End Panels For Solid Plastic Lockers (10 51 26 00-0133)		
Note: Price per frame.		
10 51 26 00-0139 EA End Panel For Solid Plastic Lockers (Tufftec Lockers®).....	55.52	
10 51 26 00-0140 Venting Options For Solid Plastic Locker Doors (10 51 26 00-0133)		
Note: Price per frame.		
10 51 26 00-0141 EA Horizontal Venting Option For Solid Plastic Locker Doors.....	20.55	
10 51 26 00-0142 Filler Panels For Solid Plastic Lockers (10 51 26 00-0133)		
10 51 26 00-0143 EA Up To 6" Width, Filler Panel For Solid Plastic Lockers (Tufftec Lockers®).....	63.69	
Note: Full locker height. Width and height cut to size in the field.		
10 51 26 00-0144 Locker Accessories For Solid Plastic Lockers (10 51 26 00-0133)		
10 51 26 00-0145 EA Built In Hasp For Solid Plastic Lockers.....	5.13	
Note: For removable padlocks. Excludes padlock.		
10 51 26 00-0146 EA Built In Combination Lock For Solid Plastic Lockers.....	15.41	
10 51 26 00-0147 EA Built In Key Lock For Solid Plastic Lockers.....	20.55	
10 51 53 Locker Room Benches (10 51)		
10 51 53 00-0001 LF Hardwood Bench With Aluminum Pedestals.....	65.84	4.51
10 51 53 00-0002 LF Hardwood Bench With Painted Steel Pedestals.....	52.97	4.51
10 51 53 00-0003 LF Plastic Laminated Bench With Steel Pedestals.....	79.83	4.51
10 51 53 00-0004 LF Solid Plastic Bench With Steel Pedestals.....	76.38	4.51
10 51 53 00-0005 LF Aluminum Bench With Aluminum Pedestals.....	59.80	4.51

10	10 Specialties
	10 50 Storage Specialties
	10 55 Postal Specialties



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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10 55 Postal Specialties (10 50)

10 55 23 Mail Boxes (10 55)

10 55 23 23 Residential Mail Boxes (10 55 23)

10 55 23 23-0001 Residential Mail Boxes (10 55 23 23)

10 55 23 23-0002	EA	13" x 3-9/16" Satin Aluminum (Aluminum Body) Letter Slot With Interior Plate	70.14	10.17
		<i>For Stainless Steel Sleeve, Add</i>	11.47	
10 55 23 23-0003	EA	13" x 3-9/16" Bright Brass (Brass Body) Letter Slot With Interior Plate	87.91	10.17
		<i>For Stainless Steel Sleeve, Add</i>	11.47	
10 55 23 23-0004	EA	Aluminum Or Galvanized Wall Mounted Mailbox	54.12	9.04
10 55 23 23-0005	EA	20" x 8-3/4" x 6-7/8" Galvanized Steel Residential Rural Mailbox With 1-1/2" Post	84.59	11.30

10 55 23 26 Commercial Mail Boxes (10 55 23)

10 55 23 26-0001 Commercial Mail Boxes (10 55 23 26)

10 55 23 26-0002	EA	Surface Mounted Aluminum Letter Box With Key Lock	210.87	13.56
10 55 23 26-0003	EA	Recessed Mounted Aluminum Letter Box With Key Lock	242.37	13.56
10 55 23 26-0004	EA	24" x 14" x 15" Deep, Aluminum Pedestal Mounted Group (NDCBU) Mailbox	1,054.36	27.12
		Note: Any door combination. Includes pedestal. Excludes concrete foundation.		
10 55 23 26-0005	EA	24" x 27" x 15" Deep, Aluminum Pedestal Mounted Group (NDCBU) Mailbox	1,252.00	36.16
		Note: Any door combination. Includes pedestal. Excludes concrete foundation.		
10 55 23 26-0006	BOX	4-1/2" x 5-1/2" x 15-1/2" Private Use Aluminum Horizontal Mailboxes, Per Box	48.24	13.56
10 55 23 26-0007	BOX	10-3/4" x 5-1/2" x 15-1/2" Private Use Aluminum Horizontal Mailboxes, Per Box	98.69	18.08
10 55 23 26-0008	BOX	6-3/8" x 5" x 17" US Postal Service Approved Aluminum Horizontal Mailboxes, Per Box	59.93	11.30
10 55 23 26-0009	BOX	12-7/8" x 5" x 17" US Postal Service Approved Aluminum Horizontal Mailboxes, Per Box	93.52	18.08

10 55 26 Parcel Lockers (10 55)

10 55 26 00-0001 Parcel Lockers (10 55 26)

10 55 26 00-0002	EA	24" x 14" x 15" Deep, Aluminum Pedestal Mounted Parcel Locker	796.84	27.12
		Note: Two compartments.		
10 55 26 00-0003	EA	48" x 16" x 18" Deep, Aluminum Pedestal Mounted Parcel Locker	950.04	36.16
		Note: Two compartments.		

10 56 Storage Assemblies (10 50)

10 56 13 Metal Storage Shelving (10 56)

10 56 13 16 Post-And-Shelf Metal Storage Shelving (10 56 13)

10 56 13 16-0001 Baked Enamel Steel Shelving (10 56 13 16)

10 56 13 16-0002 7 Shelf Unit, 72" Or 87" High, Full Unit, Open Type (10 56 13 16-0001)

10 56 13 16-0003	LF	75" High Baked Enamel Steel Storage Shelving 7 Shelf, Open With 10" Wide Shelf	111.13	17.90
		<i>For >75" To 87" High, Add</i>	9.53	
10 56 13 16-0004	LF	75" High Baked Enamel Steel Storage Shelving 7 Shelf, Open With 12" Wide Shelf	111.58	18.80
		<i>For >75" To 87" High, Add</i>	9.48	
10 56 13 16-0005	LF	75" High Baked Enamel Steel Storage Shelving 7 Shelf, Open With 15" Wide Shelf	107.74	20.58
		<i>For >75" To 87" High, Add</i>	8.96	
10 56 13 16-0006	LF	75" High Baked Enamel Steel Storage Shelving 7 Shelf, Open With 18" Wide Shelf	136.04	22.37
		<i>For >75" To 87" High, Add</i>	11.67	
10 56 13 16-0007	LF	75" High Baked Enamel Steel Storage Shelving 7 Shelf, Open With 24" Wide Shelf	152.27	23.27
		<i>For >75" To 87" High, Add</i>	13.16	
10 56 13 16-0008	LF	75" High Baked Enamel Steel Storage Shelving 7 Shelf, Open With 30" Wide Shelf	147.23	25.06
		<i>For >75" To 87" High, Add</i>	12.53	
10 56 13 16-0009	LF	75" High Baked Enamel Steel Storage Shelving 7 Shelf, Open With 36" Wide Shelf	163.33	26.85
		<i>For >75" To 87" High, Add</i>	14.00	

10 56 13 16-0010 3 Shelf Unit, 32" High Base Unit Only, Fully Enclosed (10 56 13 16-0001)

Note: Adjustable shelves.

10 56 13 16-0011	LF	32" High Baked Enamel Steel Storage Shelving 3 Shelf, Enclosed With 10" Wide Shelf	79.12	9.13
10 56 13 16-0012	LF	32" High Baked Enamel Steel Storage Shelving 3 Shelf, Enclosed With 12" Wide Shelf	78.41	9.75
10 56 13 16-0013	LF	32" High Baked Enamel Steel Storage Shelving 3 Shelf, Enclosed With 15" Wide Shelf	87.97	10.39
10 56 13 16-0014	LF	32" High Baked Enamel Steel Storage Shelving 3 Shelf, Enclosed With 18" Wide Shelf	91.53	11.01
10 56 13 16-0015	LF	32" High Baked Enamel Steel Storage Shelving 3 Shelf, Enclosed With 24" Wide Shelf	105.25	11.72

10 56 13 16-0016 4 Shelf Unit, 40" High Unit (10 56 13 16-0001)

10 56 13 16-0017	LF	40" High Baked Enamel Steel Storage Shelving 4 Shelf, Enclosed With 10" Wide Shelf	93.04	17.90
10 56 13 16-0018	LF	40" High Baked Enamel Steel Storage Shelving 4 Shelf, Enclosed With 12" Wide Shelf	76.43	18.80
10 56 13 16-0019	LF	40" High Baked Enamel Steel Storage Shelving 4 Shelf, Enclosed With 15" Wide Shelf	87.46	20.58
10 56 13 16-0020	LF	40" High Baked Enamel Steel Storage Shelving 4 Shelf, Enclosed With 18" Wide Shelf	92.21	22.37
10 56 13 16-0021	LF	40" High Baked Enamel Steel Storage Shelving 4 Shelf, Enclosed With 24" Wide Shelf	105.10	23.27

10 56 16 Fabricated Wood Storage Shelving (10 56)



Specialties	10	10
Storage Specialties	10 50	
Storage Assemblies	10 56	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 56 16 00-0001 Shelving <small>(10 56 16)</small>		
10 56 16 00-0002 Built-In Wood Shelving <small>(10 56 16 00-0001)</small> Note: Priced by shelf area. Includes hardware and trim.		
10 56 16 00-0003 SF Built-in Wood Storage Shelving Post And Trimmed Plywood..... <i>For Each SF Of Lumber Edge Band, Add</i> <i>For Each SF Of Prefinished Shelves, Add</i>	15.78 0.69 2.32	2.28
10 56 16 00-0004 SF Built-in Wood Storage Shelving Post And Solid Clear Pine..... <i>For Each SF Of Lumber Edge Band, Add</i> <i>For Each SF Of Prefinished Shelves, Add</i>	17.00 0.69 2.32	2.74
10 56 16 00-0005 SF Built-in Wood Storage Shelving Closet Shelf Of Pine With Rod..... <i>For Each SF Of Lumber Edge Band, Add</i> <i>For Each SF Of Prefinished Shelves, Add</i>	17.15 0.69 2.32	4.55
10 56 16 00-0006 Wood Shelving, White Pine, Clear Grade, Wall Mounted <small>(10 56 16 00-0001)</small>		
10 56 16 00-0007 LF 1" x 8" White Pine Clear Grade Wood Shelving.....	13.64	5.46
10 56 16 00-0008 LF 1" x 10" White Pine Clear Grade Wood Shelving.....	14.85	5.83
10 56 16 00-0009 LF 1" x 12" White Pine Clear Grade Wood Shelving.....	16.22	6.28
10 56 16 00-0010 SF Wood Shelving, 2" White Pine Clear Grade.....	20.41	
10 56 16 00-0011 Plywood Shelf With Edge Band <small>(10 56 16 00-0001)</small>		
10 56 16 00-0012 LF 3/4" Plywood Shelf, 12" Wide With Edge Band.....	15.61	5.46
10 56 16 00-0013 LF 3/4" Plywood Shelf, 24" Wide With Edge Band.....	22.84	6.83
10 56 16 00-0014 Adjustable Shelf And Rod <small>(10 56 16 00-0001)</small>		
10 56 16 00-0015 EA 12" Wide Adjustable Shelf, 3' To 6' Long Including Rod.....	113.83	20.50
10 56 16 00-0016 EA 12" Wide Adjustable Shelf, 5' To 8' Long Including Rod.....	137.04	27.33
10 56 16 00-0017 Prefinished Wood Shelves With Brackets And Supports <small>(10 56 16 00-0001)</small>		
10 56 16 00-0018 LF Prefinished Wood Shelves, 8" Wide, With Brackets And Supports.....	14.16	5.46
10 56 16 00-0019 LF Prefinished Wood Shelves, 10" Wide, With Brackets And Supports.....	15.32	5.83
10 56 16 00-0020 SF Adjustable 3/4" Plastic Laminated Wood Shelves, Recessed Metal Standards.....	48.08	9.11
10 56 16 00-0021 Wood Shelving, Oak, Clear Grade, Wall Mounted <small>(10 56 16 00-0001)</small>		
10 56 16 00-0022 LF Wood Shelving, 1" X 8" Oak Clear Grade.....	15.38	8.56
10 56 17 Wall-Mounted Standards and Shelving <small>(10 56)</small>		
10 56 17 00-0001 Galvanized Steel, Wall Mounted Solid Shelving <small>(10 56 17)</small> Note: Price per shelf. Includes single shelf, standards, brackets and mounting hardware. Excludes blocking.		
10 56 17 00-0002 LF 8" Depth, 18 Gauge Galvanized Steel, Wall Mounted Solid Shelving..... <i>For Installation On Concrete Walls, Add</i> <i>For Installation On Concrete Block Walls, Add</i>	51.19 2.25 2.80	9.04
10 56 17 00-0003 LF 10" Depth, 18 Gauge Galvanized Steel, Wall Mounted Solid Shelving..... <i>For Installation On Concrete Walls, Add</i> <i>For Installation On Concrete Block Walls, Add</i>	52.79 2.25 2.80	9.04
10 56 17 00-0004 LF 12" Depth, 18 Gauge Galvanized Steel, Wall Mounted Solid Shelving..... <i>For Installation On Concrete Walls, Add</i> <i>For Installation On Concrete Block Walls, Add</i>	56.49 2.25 2.80	9.04
10 56 17 00-0005 LF 16" Depth, 18 Gauge Galvanized Steel, Wall Mounted Solid Shelving..... <i>For Installation On Concrete Walls, Add</i> <i>For Installation On Concrete Block Walls, Add</i>	61.28 2.25 2.80	9.04
10 56 17 00-0006 LF 18" Depth, 18 Gauge Galvanized Steel, Wall Mounted Solid Shelving..... <i>For Installation On Concrete Walls, Add</i> <i>For Installation On Concrete Block Walls, Add</i>	62.46 2.25 2.80	9.04
10 56 17 00-0007 LF 24" Depth, 18 Gauge Galvanized Steel, Wall Mounted Solid Shelving..... <i>For Installation On Concrete Walls, Add</i> <i>For Installation On Concrete Block Walls, Add</i>	72.72 2.25 2.80	9.04
10 56 17 00-0008 304 Stainless Steel, Wall Mounted Solid Shelving <small>(10 56 17)</small> Note: Price per shelf. Includes single shelf, standards, brackets and mounting hardware. Excludes blocking.		
10 56 17 00-0009 LF 8" Depth, 18 Gauge 304 Stainless Steel, Wall Mounted Solid Shelving..... <i>For Installation On Concrete Walls, Add</i> <i>For Installation On Concrete Block Walls, Add</i>	80.26 2.25 2.80	9.04
10 56 17 00-0010 LF 10" Depth, 18 Gauge 304 Stainless Steel, Wall Mounted Solid Shelving..... <i>For Installation On Concrete Walls, Add</i> <i>For Installation On Concrete Block Walls, Add</i>	87.52 2.25 2.80	9.04
10 56 17 00-0011 LF 12" Depth, 18 Gauge 304 Stainless Steel, Wall Mounted Solid Shelving..... <i>For Installation On Concrete Walls, Add</i> <i>For Installation On Concrete Block Walls, Add</i>	94.82 2.25 2.80	9.04
10 56 17 00-0012 LF 16" Depth, 18 Gauge 304 Stainless Steel, Wall Mounted Solid Shelving..... <i>For Installation On Concrete Walls, Add</i> <i>For Installation On Concrete Block Walls, Add</i>	111.58 2.25 2.80	9.04

10	Specialties
10 50	Storage Specialties
10 56	Storage Assemblies



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 56 17 00-0013 LF 18" Depth, 18 Gauge 304 Stainless Steel, Wall Mounted Solid Shelving <i>For Installation On Concrete Walls, Add</i> <i>For Installation On Concrete Block Walls, Add</i>	121.50 2.25 2.80	9.04
10 56 17 00-0014 LF 24" Depth, 18 Gauge 304 Stainless Steel, Wall Mounted Solid Shelving <i>For Installation On Concrete Walls, Add</i> <i>For Installation On Concrete Block Walls, Add</i>	135.84 2.25 2.80	9.04
10 56 17 00-0015 Laminated Particleboard, Wall Mounted Solid Shelving ^(10 56 17) Note: Price per shelf. Includes single shelf, standards, brackets and mounting hardware. Excludes blocking.		
10 56 17 00-0016 LF 8" Depth, Laminated Particleboard, Wall Mounted Solid Shelving..... <i>For Installation On Concrete Walls, Add</i> <i>For Installation On Concrete Block Walls, Add</i>	36.09 2.25 2.80	9.04
10 56 17 00-0017 LF 10" Depth, Laminated Particleboard, Wall Mounted Solid Shelving..... <i>For Installation On Concrete Walls, Add</i> <i>For Installation On Concrete Block Walls, Add</i>	37.17 2.25 2.80	9.04
10 56 17 00-0018 LF 12" Depth, Laminated Particleboard, Wall Mounted Solid Shelving..... <i>For Installation On Concrete Walls, Add</i> <i>For Installation On Concrete Block Walls, Add</i>	38.48 2.25 2.80	9.04
10 56 17 00-0019 LF 16" Depth, Laminated Particleboard, Wall Mounted Solid Shelving..... <i>For Installation On Concrete Walls, Add</i> <i>For Installation On Concrete Block Walls, Add</i>	40.38 2.25 2.80	9.04
10 56 17 00-0020 LF 18" Depth, Laminated Particleboard, Wall Mounted Solid Shelving..... <i>For Installation On Concrete Walls, Add</i> <i>For Installation On Concrete Block Walls, Add</i>	42.68 2.25 2.80	9.04
10 56 17 00-0021 LF 24" Depth, Laminated Particleboard, Wall Mounted Solid Shelving..... <i>For Installation On Concrete Walls, Add</i> <i>For Installation On Concrete Block Walls, Add</i>	48.85 2.25 2.80	9.04
10 56 17 00-0022 Chrome Plated Steel, Wall Mounted Wire Shelving ^(10 56 17) Note: Price per shelf. Includes single shelf, standards, brackets and mounting hardware. Excludes blocking.		
10 56 17 00-0023 LF 14" Depth, Chrome Plated Steel, Wall Mounted Wire Shelving <i>For Installation On Concrete Walls, Add</i> <i>For Installation On Concrete Block Walls, Add</i>	50.17 2.25 2.80	9.04
10 56 17 00-0024 LF 18" Depth, Chrome Plated Steel, Wall Mounted Wire Shelving <i>For Installation On Concrete Walls, Add</i> <i>For Installation On Concrete Block Walls, Add</i>	55.76 2.25 2.80	9.04
10 56 17 00-0025 Stainless Steel, Wall Mounted Wire Shelving ^(10 56 17) Note: Price per shelf. Includes single shelf, standards, brackets and mounting hardware. Excludes blocking.		
10 56 17 00-0026 LF 14" Depth, Stainless Steel, Wall Mounted Wire Shelving <i>For Installation On Concrete Walls, Add</i> <i>For Installation On Concrete Block Walls, Add</i>	110.90 2.25 2.80	9.04
10 56 17 00-0027 LF 18" Depth, Stainless Steel, Wall Mounted Wire Shelving <i>For Installation On Concrete Walls, Add</i> <i>For Installation On Concrete Block Walls, Add</i>	115.18 2.25 2.80	9.04
10 56 17 00-0028 Prefinished Hardwood Plywood, Wall Mounted Solid Shelving ^(10 56 17) Note: Price per shelf. Includes single shelf, standards, brackets and mounting hardware. Excludes blocking.		
10 56 17 00-0029 LF 8" Depth, Prefinished Hardwood Plywood, Wall Mounted Solid Shelving..... <i>For Installation On Concrete Walls, Add</i> <i>For Installation On Concrete Block Walls, Add</i>	40.33 3.25 3.80	9.04
10 56 17 00-0030 LF 10" Depth, Prefinished Hardwood Plywood, Wall Mounted Solid Shelving..... <i>For Installation On Concrete Walls, Add</i> <i>For Installation On Concrete Block Walls, Add</i>	41.15 3.27 3.82	9.04
10 56 17 00-0031 LF 12" Depth, Prefinished Hardwood Plywood, Wall Mounted Solid Shelving..... <i>For Installation On Concrete Walls, Add</i> <i>For Installation On Concrete Block Walls, Add</i>	41.72 3.30 3.85	9.04
10 56 17 00-0032 LF 16" Depth, Prefinished Hardwood Plywood, Wall Mounted Solid Shelving..... <i>For Installation On Concrete Walls, Add</i> <i>For Installation On Concrete Block Walls, Add</i>	43.63 3.35 3.90	9.04
10 56 17 00-0033 LF 18" Depth, Prefinished Hardwood Plywood, Wall Mounted Solid Shelving..... <i>For Installation On Concrete Walls, Add</i> <i>For Installation On Concrete Block Walls, Add</i>	44.60 3.37 3.92	9.04
10 56 17 00-0034 LF 24" Depth, Prefinished Hardwood Plywood, Wall Mounted Solid Shelving..... <i>For Installation On Concrete Walls, Add</i> <i>For Installation On Concrete Block Walls, Add</i>	47.50 3.45 4.00	9.04
10 56 17 00-0035 Wall Mounted Shelving Accessories ^(10 56 17)		
10 56 17 00-0036 LF Removal And Reinstallation Of Single Shelf Metal Storage Shelving Unit.....	29.30	
10 57 Wardrobe And Closet Specialties ^(10 50)		
10 57 13 Hat And Coat Racks ^(10 57)		
10 57 13 00-0001 Hat And Coat Rack ^(10 57 13)		
10 57 13 00-0002 Single Tier ^(10 57 13 00-0001)		



Specialties	10	10
Storage Specialties	10 50	
Wardrobe And Closet Specialties	10 57	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 57 13 00-0003 LF Single Tier Hat And Coat Rack Baked Enameled Steel..... <i>For Custom Made Units, Add</i>	51.78 23.88	4.51
10 57 13 00-0004 LF Single Tier Hat And Coat Rack Stainless Steel <i>For Custom Made Units, Add</i>	36.98 15.00	4.51
10 57 13 00-0005 LF Single Tier Hat And Coat Rack Aluminum <i>For Custom Made Units, Add</i>	50.89 23.35	4.51
10 57 13 00-0006 Double Tier <small>(10 57 13 00-0001)</small>		
10 57 13 00-0007 LF Double Tier Hat And Coat Rack Baked Enameled Steel <i>For Custom Made Units, Add</i>	69.34 32.72	4.51
10 57 13 00-0008 LF Double Tier Hat And Coat Rack Stainless Steel <i>For Custom Made Units, Add</i>	41.83 16.21	4.51
10 57 13 00-0009 LF Double Tier Hat And Coat Rack Aluminum <i>For Custom Made Units, Add</i>	80.74 39.56	4.51
10 57 43 Wardrobe Units <small>(10 57)</small>		
10 57 43 00-0001 Dormitory Wardrobe Units <small>(10 57 43)</small>		
10 57 43 00-0002 EA 24" x 24" x 68" Hardwood Veneer Dormitory Wardrobe Unit With Door <i>For Custom Made Units, Add</i>	1,183.68 593.03	167.42
10 57 43 00-0003 EA 24" x 24" x 68" Plastic Laminate Dormitory Wardrobe Unit With Door <i>For Custom Made Units, Add</i>	934.34 443.42	167.42
10 70 Exterior Specialties <small>(10)</small>		
10 71 Exterior Protection <small>(10 70)</small>		
10 71 13 Exterior Sun Control Devices <small>(10 71)</small>		
10 71 13 13 Exterior Shutters <small>(10 71 13)</small>		
10 71 13 13-0001 Exterior Shutters, High Impact Resistant Plastic, Unfinished <small>(10 71 13 13)</small>		
10 71 13 13-0002 Louvered Decorative Shutters <small>(10 71 13 13-0001)</small>		
10 71 13 13-0003 PR 15" x 25" Louvered Shutter, High Impact Resistant Plastic <i>For Colored Finish, Add</i>	65.51 5.23	27.33
10 71 13 13-0004 PR 15" x 31" Louvered Shutter, High Impact Resistant Plastic <i>For Colored Finish, Add</i>	70.46 5.80	28.69
10 71 13 13-0005 PR 15" x 36" Louvered Shutter, High Impact Resistant Plastic <i>For Colored Finish, Add</i>	75.43 6.36	30.06
10 71 13 13-0006 PR 15" x 39" Louvered Shutter, High Impact Resistant Plastic <i>For Colored Finish, Add</i>	80.03 6.86	31.43
10 71 13 13-0007 PR 15" x 43" Louvered Shutter, High Impact Resistant Plastic <i>For Colored Finish, Add</i>	85.14 7.45	32.80
10 71 13 13-0008 PR 15" x 48" Louvered Shutter, High Impact Resistant Plastic <i>For Colored Finish, Add</i>	90.43 8.08	34.16
10 71 13 13-0009 PR 15" x 52" Louvered Shutter, High Impact Resistant Plastic <i>For Colored Finish, Add</i>	94.29 8.45	35.53
10 71 13 13-0010 PR 15" x 55" Louvered Shutter, High Impact Resistant Plastic <i>For Colored Finish, Add</i>	98.49 8.87	36.90
10 71 13 13-0011 PR 15" x 60" Louvered Shutter, High Impact Resistant Plastic <i>For Colored Finish, Add</i>	103.85 9.51	38.26
10 71 13 13-0012 PR 15" x 64" Louvered Shutter, High Impact Resistant Plastic <i>For Colored Finish, Add</i>	110.72 10.42	39.63
10 71 13 13-0013 PR 15" x 67" Louvered Shutter, High Impact Resistant Plastic <i>For Colored Finish, Add</i>	114.43 10.76	40.99
10 71 13 13-0014 PR 15" x 72" Louvered Shutter, High Impact Resistant Plastic <i>For Colored Finish, Add</i>	122.85 11.95	42.36
10 71 13 13-0015 PR 15" x 75" Louvered Shutter, High Impact Resistant Plastic <i>For Colored Finish, Add</i>	126.52 12.28	43.73
10 71 13 13-0016 PR 15" x 80" Louvered Shutter, High Impact Resistant Plastic <i>For Colored Finish, Add</i>	132.64 13.05	45.10
10 71 13 13-0017 Raised Panel Decorative Shutters <small>(10 71 13 13-0001)</small>		
10 71 13 13-0018 PR 15" x 35" Raised Panel Shutter, High Impact Resistant Plastic <i>For Colored Finish, Add</i>	87.15 8.47	30.06
10 71 13 13-0019 PR 15" x 39" Raised Panel Shutter, High Impact Resistant Plastic <i>For Colored Finish, Add</i>	92.92 9.18	31.43
10 71 13 13-0020 PR 15" x 43" Raised Panel Shutter, High Impact Resistant Plastic <i>For Colored Finish, Add</i>	97.01 9.59	32.80
10 71 13 13-0021 PR 15" x 47" Raised Panel Shutter, High Impact Resistant Plastic <i>For Colored Finish, Add</i>	102.94 10.33	34.16
10 71 13 13-0022 PR 15" x 51" Raised Panel Shutter, High Impact Resistant Plastic <i>For Colored Finish, Add</i>	108.14 10.94	35.53
10 71 13 13-0023 PR 15" x 55" Raised Panel Shutter, High Impact Resistant Plastic <i>For Colored Finish, Add</i>	113.10 11.50	36.90
10 71 13 13-0024 PR 15" x 59" Raised Panel Shutter, High Impact Resistant Plastic <i>For Colored Finish, Add</i>	119.53 12.33	38.26
10 71 13 13-0025 PR 15" x 63" Raised Panel Shutter, High Impact Resistant Plastic <i>For Colored Finish, Add</i>	127.74 13.48	39.63

10	Specialties
10 70	Exterior Specialties
10 71	Exterior Protection



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 71 13 13-0026	PR		15" x 67" Raised Panel Shutter, High Impact Resistant Plastic <i>For Colored Finish, Add</i>	133.76 14.24	40.99
10 71 13 13-0027	PR		15" x 71" Raised Panel Shutter, High Impact Resistant Plastic <i>For Colored Finish, Add</i>	140.42 15.11	42.36
10 71 13 13-0028	PR		15" x 75" Raised Panel Shutter, High Impact Resistant Plastic <i>For Colored Finish, Add</i>	143.17 15.28	43.73
10 71 13 13-0029	PR		15" x 81" Raised Panel Shutter, High Impact Resistant Plastic <i>For Colored Finish, Add</i>	148.20 15.85	45.10
10 71 13 13-0030			Accordion Hurricane Impact Shutter (10 71 13 13) Note: Add scaffolding after first floor.		
10 71 13 13-0031	SF		Aluminum Accordion Shutters, Ultraguard	22.07	4.10
10 71 13 13-0032			Exterior Spanish Cedar Shutters (10 71 13 13)		
10 71 13 13-0033			12" Width (10 71 13 13-0032)		
10 71 13 13-0034	PR		12" x 36" Spanish Cedar Raised Panel Or Louvered Shutter <i>For Arched Tops, Add</i>	336.04 150.00	27.33
10 71 13 13-0035	PR		12" x 42" Spanish Cedar Raised Panel Or Louvered Shutter <i>For Arched Tops, Add</i>	363.18 150.00	30.06
10 71 13 13-0036	PR		12" x 48" Spanish Cedar Raised Panel Or Louvered Shutter <i>For Arched Tops, Add</i>	388.50 150.00	31.43
10 71 13 13-0037	PR		12" x 54" Spanish Cedar Raised Panel Or Louvered Shutter <i>For Arched Tops, Add</i>	415.65 150.00	34.16
10 71 13 13-0038	PR		12" x 60" Spanish Cedar Raised Panel Or Louvered Shutter <i>For Arched Tops, Add</i>	440.97 150.00	35.53
10 71 13 13-0039	PR		12" x 66" Spanish Cedar Raised Panel Or Louvered Shutter <i>For Arched Tops, Add</i>	470.06 150.00	38.26
10 71 13 13-0040	PR		12" x 72" Spanish Cedar Raised Panel Or Louvered Shutter <i>For Arched Tops, Add</i>	495.39 150.00	39.63
10 71 13 13-0041	PR		12" x 78" Spanish Cedar Raised Panel Or Louvered Shutter <i>For Arched Tops, Add</i>	520.71 150.00	40.99
10 71 13 13-0042	PR		12" x 84" Spanish Cedar Raised Panel Or Louvered Shutter <i>For Arched Tops, Add</i>	547.85 150.00	43.73
10 71 13 13-0043			14" Width (10 71 13 13-0032)		
10 71 13 13-0044	PR		14" x 36" Spanish Cedar Raised Panel Or Louvered Shutter <i>For Arched Tops, Add</i>	355.63 150.00	27.33
10 71 13 13-0045	PR		14" x 42" Spanish Cedar Raised Panel Or Louvered Shutter <i>For Arched Tops, Add</i>	386.68 150.00	30.06
10 71 13 13-0046	PR		14" x 48" Spanish Cedar Raised Panel Or Louvered Shutter <i>For Arched Tops, Add</i>	415.92 150.00	31.43
10 71 13 13-0047	PR		14" x 54" Spanish Cedar Raised Panel Or Louvered Shutter <i>For Arched Tops, Add</i>	446.98 150.00	34.16
10 71 13 13-0048	PR		14" x 60" Spanish Cedar Raised Panel Or Louvered Shutter <i>For Arched Tops, Add</i>	476.22 150.00	35.53
10 71 13 13-0049	PR		14" x 66" Spanish Cedar Raised Panel Or Louvered Shutter <i>For Arched Tops, Add</i>	507.27 150.00	38.26
10 71 13 13-0050	PR		14" x 72" Spanish Cedar Raised Panel Or Louvered Shutter <i>For Arched Tops, Add</i>	536.52 150.00	39.63
10 71 13 13-0051	PR		14" x 78" Spanish Cedar Raised Panel Or Louvered Shutter <i>For Arched Tops, Add</i>	563.79 150.00	40.99
10 71 13 13-0052	PR		14" x 84" Spanish Cedar Raised Panel Or Louvered Shutter <i>For Arched Tops, Add</i>	594.85 150.00	43.73
10 71 13 13-0053			16" Width (10 71 13 13-0032)		
10 71 13 13-0054	PR		16" x 36" Spanish Cedar Raised Panel Or Louvered Shutter <i>For Arched Tops, Add</i>	377.17 150.00	27.33
10 71 13 13-0055	PR		16" x 42" Spanish Cedar Raised Panel Or Louvered Shutter <i>For Arched Tops, Add</i>	410.18 150.00	30.06
10 71 13 13-0056	PR		16" x 48" Spanish Cedar Raised Panel Or Louvered Shutter <i>For Arched Tops, Add</i>	443.33 150.00	31.43
10 71 13 13-0057	PR		16" x 54" Spanish Cedar Raised Panel Or Louvered Shutter <i>For Arched Tops, Add</i>	476.35 150.00	34.16
10 71 13 13-0058	PR		16" x 60" Spanish Cedar Raised Panel Or Louvered Shutter <i>For Arched Tops, Add</i>	509.51 150.00	35.53
10 71 13 13-0059	PR		16" x 66" Spanish Cedar Raised Panel Or Louvered Shutter <i>For Arched Tops, Add</i>	544.48 150.00	38.26
10 71 13 13-0060	PR		16" x 72" Spanish Cedar Raised Panel Or Louvered Shutter <i>For Arched Tops, Add</i>	575.68 150.00	39.63
10 71 13 13-0061	PR		16" x 78" Spanish Cedar Raised Panel Or Louvered Shutter <i>For Arched Tops, Add</i>	608.83 150.00	40.99
10 71 13 13-0062	PR		16" x 84" Spanish Cedar Raised Panel Or Louvered Shutter <i>For Arched Tops, Add</i>	643.80 150.00	43.73
10 71 13 13-0063			18" Width (10 71 13 13-0032)		
10 71 13 13-0064	PR		18" x 36" Spanish Cedar Raised Panel Or Louvered Shutter <i>For Arched Tops, Add</i>	396.75 150.00	27.33



Specialties	10
Exterior Specialties	10 70
Exterior Protection	10 71

10

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 71 13 13-0065	PR		18" x 42" Spanish Cedar Raised Panel Or Louvered Shutter <i>For Arched Tops, Add</i>	433.69 150.00	30.06
10 71 13 13-0066	PR		18" x 48" Spanish Cedar Raised Panel Or Louvered Shutter <i>For Arched Tops, Add</i>	470.75 150.00	31.43
10 71 13 13-0067	PR		18" x 54" Spanish Cedar Raised Panel Or Louvered Shutter <i>For Arched Tops, Add</i>	507.69 150.00	34.16
10 71 13 13-0068	PR		18" x 60" Spanish Cedar Raised Panel Or Louvered Shutter <i>For Arched Tops, Add</i>	542.79 150.00	35.53
10 71 13 13-0069	PR		18" x 66" Spanish Cedar Raised Panel Or Louvered Shutter <i>For Arched Tops, Add</i>	581.68 150.00	38.26
10 71 13 13-0070	PR		18" x 72" Spanish Cedar Raised Panel Or Louvered Shutter <i>For Arched Tops, Add</i>	616.79 150.00	39.63
10 71 13 13-0071	PR		18" x 78" Spanish Cedar Raised Panel Or Louvered Shutter <i>For Arched Tops, Add</i>	653.87 150.00	40.99
10 71 13 13-0072	PR		18" x 84" Spanish Cedar Raised Panel Or Louvered Shutter <i>For Arched Tops, Add</i>	690.80 150.00	43.73
10 71 13 13-0073			20" Width <small>(10 71 13 13-0032)</small>		
10 71 13 13-0074	PR		20" x 36" Spanish Cedar Raised Panel Or Louvered Shutter <i>For Arched Tops, Add</i>	416.33 150.00	27.33
10 71 13 13-0075	PR		20" x 42" Spanish Cedar Raised Panel Or Louvered Shutter <i>For Arched Tops, Add</i>	457.18 150.00	30.06
10 71 13 13-0076	PR		20" x 48" Spanish Cedar Raised Panel Or Louvered Shutter <i>For Arched Tops, Add</i>	496.20 150.00	31.43
10 71 13 13-0077	PR		20" x 54" Spanish Cedar Raised Panel Or Louvered Shutter <i>For Arched Tops, Add</i>	539.02 150.00	34.16
10 71 13 13-0078	PR		20" x 60" Spanish Cedar Raised Panel Or Louvered Shutter <i>For Arched Tops, Add</i>	578.04 150.00	35.53
10 71 13 13-0079	PR		20" x 66" Spanish Cedar Raised Panel Or Louvered Shutter <i>For Arched Tops, Add</i>	618.89 150.00	38.26
10 71 13 13-0080	PR		20" x 72" Spanish Cedar Raised Panel Or Louvered Shutter <i>For Arched Tops, Add</i>	657.92 150.00	39.63
10 71 13 13-0081	PR		20" x 78" Spanish Cedar Raised Panel Or Louvered Shutter <i>For Arched Tops, Add</i>	696.95 150.00	40.99
10 71 13 13-0082	PR		20" x 84" Spanish Cedar Raised Panel Or Louvered Shutter <i>For Arched Tops, Add</i>	737.80 150.00	43.73
10 71 13 13-0083			Heavy Duty Exterior True Louver Shutters, Western Red Cedar <small>(10 71 13 13)</small>		
10 71 13 13-0084			12" Width <small>(10 71 13 13-0083)</small>		
10 71 13 13-0085	PR		12" x 36-1/2" Louver Shutter, Heavy Duty Red Cedar <i>For Arched Tops, Add</i>	206.41 150.00	27.33
10 71 13 13-0086	PR		12" x 39-1/2" Louver Shutter, Heavy Duty Red Cedar <i>For Arched Tops, Add</i>	219.54 150.00	28.69
10 71 13 13-0087	PR		12" x 44" Louver Shutter, Heavy Duty Red Cedar <i>For Arched Tops, Add</i>	238.33 150.00	30.06
10 71 13 13-0088	PR		12" x 47" Louver Shutter, Heavy Duty Red Cedar <i>For Arched Tops, Add</i>	251.46 150.00	31.43
10 71 13 13-0089	PR		12" x 51-1/2" Louver Shutter, Heavy Duty Red Cedar <i>For Arched Tops, Add</i>	270.26 150.00	32.80
10 71 13 13-0090	PR		12" x 56" Louver Shutter, Heavy Duty Red Cedar <i>For Arched Tops, Add</i>	289.05 150.00	34.16
10 71 13 13-0091	PR		12" x 59" Louver Shutter, Heavy Duty Red Cedar <i>For Arched Tops, Add</i>	302.19 150.00	35.53
10 71 13 13-0092	PR		12" x 63-1/2" Louver Shutter, Heavy Duty Red Cedar <i>For Arched Tops, Add</i>	320.98 150.00	36.90
10 71 13 13-0093	PR		12" x 68" Louver Shutter, Heavy Duty Red Cedar <i>For Arched Tops, Add</i>	339.78 150.00	38.26
10 71 13 13-0094	PR		12" x 72-1/2" Louver Shutter, Heavy Duty Red Cedar <i>For Arched Tops, Add</i>	358.56 150.00	39.63
10 71 13 13-0095	PR		12" x 75-1/2" Louver Shutter, Heavy Duty Red Cedar <i>For Arched Tops, Add</i>	371.70 150.00	40.99
10 71 13 13-0096	PR		12" x 80" Louver Shutter, Heavy Duty Red Cedar <i>For Arched Tops, Add</i>	390.49 150.00	42.36
10 71 13 13-0097	PR		12" x 83" Louver Shutter, Heavy Duty Red Cedar <i>For Arched Tops, Add</i>	403.63 150.00	43.73
10 71 13 13-0098			14" Width <small>(10 71 13 13-0083)</small>		
10 71 13 13-0099	PR		14" x 36-1/2" Louver Shutter, Heavy Duty Red Cedar <i>For Arched Tops, Add</i>	229.35 150.00	27.33
10 71 13 13-0100	PR		14" x 39-1/2" Louver Shutter, Heavy Duty Red Cedar <i>For Arched Tops, Add</i>	244.37 150.00	28.69
10 71 13 13-0101	PR		14" x 44" Louver Shutter, Heavy Duty Red Cedar <i>For Arched Tops, Add</i>	265.98 150.00	30.06
10 71 13 13-0102	PR		14" x 47" Louver Shutter, Heavy Duty Red Cedar <i>For Arched Tops, Add</i>	281.00 150.00	31.43
10 71 13 13-0103	PR		14" x 51-1/2" Louver Shutter, Heavy Duty Red Cedar <i>For Arched Tops, Add</i>	302.62 150.00	32.80
10 71 13 13-0104	PR		14" x 56" Louver Shutter, Heavy Duty Red Cedar <i>For Arched Tops, Add</i>	324.25 150.00	34.16

10	Specialties
10 70	Exterior Specialties
10 71	Exterior Protection



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 71 13 13-0105 PR 14" x 59" Louver Shutter, Heavy Duty Red Cedar <i>For Arched Tops, Add</i>	339.27 150.00	35.53
10 71 13 13-0106 PR 14" x 63-1/2" Louver Shutter, Heavy Duty Red Cedar <i>For Arched Tops, Add</i>	360.89 150.00	36.90
10 71 13 13-0107 PR 14" x 68" Louver Shutter, Heavy Duty Red Cedar <i>For Arched Tops, Add</i>	382.51 150.00	38.26
10 71 13 13-0108 PR 14" x 72-1/2" Louver Shutter, Heavy Duty Red Cedar <i>For Arched Tops, Add</i>	404.14 150.00	39.63
10 71 13 13-0109 PR 14" x 75-1/2" Louver Shutter, Heavy Duty Red Cedar <i>For Arched Tops, Add</i>	419.16 150.00	40.99
10 71 13 13-0110 PR 14" x 80" Louver Shutter, Heavy Duty Red Cedar <i>For Arched Tops, Add</i>	440.77 150.00	42.36
10 71 13 13-0111 PR 14" x 83" Louver Shutter, Heavy Duty Red Cedar <i>For Arched Tops, Add</i>	455.79 150.00	43.73
10 71 13 13-0112 15" Width <small>(10 71 13 13-0083)</small>		
10 71 13 13-0113 PR 15" x 36-1/2" Louver Shutter, Heavy Duty Red Cedar <i>For Arched Tops, Add</i>	240.82 150.00	27.33
10 71 13 13-0114 PR 15" x 39-1/2" Louver Shutter, Heavy Duty Red Cedar <i>For Arched Tops, Add</i>	256.78 150.00	28.69
10 71 13 13-0115 PR 15" x 44" Louver Shutter, Heavy Duty Red Cedar <i>For Arched Tops, Add</i>	279.81 150.00	30.06
10 71 13 13-0116 PR 15" x 47" Louver Shutter, Heavy Duty Red Cedar <i>For Arched Tops, Add</i>	295.77 150.00	31.43
10 71 13 13-0117 PR 15" x 51-1/2" Louver Shutter, Heavy Duty Red Cedar <i>For Arched Tops, Add</i>	318.81 150.00	32.80
10 71 13 13-0118 PR 15" x 56" Louver Shutter, Heavy Duty Red Cedar <i>For Arched Tops, Add</i>	341.85 150.00	34.16
10 71 13 13-0119 PR 15" x 59" Louver Shutter, Heavy Duty Red Cedar <i>For Arched Tops, Add</i>	357.81 150.00	35.53
10 71 13 13-0120 PR 15" x 63-1/2" Louver Shutter, Heavy Duty Red Cedar <i>For Arched Tops, Add</i>	380.85 150.00	36.90
10 71 13 13-0121 PR 15" x 68" Louver Shutter, Heavy Duty Red Cedar <i>For Arched Tops, Add</i>	403.88 150.00	38.26
10 71 13 13-0122 PR 15" x 72-1/2" Louver Shutter, Heavy Duty Red Cedar <i>For Arched Tops, Add</i>	426.92 150.00	39.63
10 71 13 13-0123 PR 15" x 75-1/2" Louver Shutter, Heavy Duty Red Cedar <i>For Arched Tops, Add</i>	442.88 150.00	40.99
10 71 13 13-0124 PR 15" x 80" Louver Shutter, Heavy Duty Red Cedar <i>For Arched Tops, Add</i>	465.92 150.00	42.36
10 71 13 13-0125 PR 15" x 83" Louver Shutter, Heavy Duty Red Cedar <i>For Arched Tops, Add</i>	481.88 150.00	43.73
10 71 13 13-0126 16" Width <small>(10 71 13 13-0083)</small>		
10 71 13 13-0127 PR 16" x 36-1/2" Louver Shutter, Heavy Duty Red Cedar <i>For Arched Tops, Add</i>	252.29 150.00	27.33
10 71 13 13-0128 PR 16" x 39-1/2" Louver Shutter, Heavy Duty Red Cedar <i>For Arched Tops, Add</i>	265.26 150.00	28.69
10 71 13 13-0129 PR 16" x 44" Louver Shutter, Heavy Duty Red Cedar <i>For Arched Tops, Add</i>	293.64 150.00	30.06
10 71 13 13-0130 PR 16" x 47" Louver Shutter, Heavy Duty Red Cedar <i>For Arched Tops, Add</i>	310.54 150.00	31.43
10 71 13 13-0131 PR 16" x 51-1/2" Louver Shutter, Heavy Duty Red Cedar <i>For Arched Tops, Add</i>	334.99 150.00	32.80
10 71 13 13-0132 PR 16" x 56" Louver Shutter, Heavy Duty Red Cedar <i>For Arched Tops, Add</i>	359.45 150.00	34.16
10 71 13 13-0133 PR 16" x 59" Louver Shutter, Heavy Duty Red Cedar <i>For Arched Tops, Add</i>	376.35 150.00	35.53
10 71 13 13-0134 PR 16" x 63-1/2" Louver Shutter, Heavy Duty Red Cedar <i>For Arched Tops, Add</i>	400.80 150.00	36.90
10 71 13 13-0135 PR 16" x 68" Louver Shutter, Heavy Duty Red Cedar <i>For Arched Tops, Add</i>	425.25 150.00	38.26
10 71 13 13-0136 PR 16" x 72-1/2" Louver Shutter, Heavy Duty Red Cedar <i>For Arched Tops, Add</i>	449.71 150.00	39.63
10 71 13 13-0137 PR 16" x 75-1/2" Louver Shutter, Heavy Duty Red Cedar <i>For Arched Tops, Add</i>	466.61 150.00	40.99
10 71 13 13-0138 PR 16" x 80" Louver Shutter, Heavy Duty Red Cedar <i>For Arched Tops, Add</i>	491.06 150.00	42.36
10 71 13 13-0139 PR 16" x 83" Louver Shutter, Heavy Duty Red Cedar <i>For Arched Tops, Add</i>	507.96 150.00	43.73
10 71 13 13-0140 18" Width <small>(10 71 13 13-0083)</small>		
10 71 13 13-0141 PR 18" x 36-1/2" Louver Shutter, Heavy Duty Red Cedar <i>For Arched Tops, Add</i>	275.23 150.00	27.33
10 71 13 13-0142 PR 18" x 39-1/2" Louver Shutter, Heavy Duty Red Cedar <i>For Arched Tops, Add</i>	294.02 150.00	28.69
10 71 13 13-0143 PR 18" x 44" Louver Shutter, Heavy Duty Red Cedar <i>For Arched Tops, Add</i>	321.30 150.00	30.06
10 71 13 13-0144 PR 18" x 47" Louver Shutter, Heavy Duty Red Cedar <i>For Arched Tops, Add</i>	340.09 150.00	31.43



Specialties	10	10
Exterior Specialties	10 70	
Exterior Protection	10 71	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 71	13 13-0145	PR	18" x 51-1/2" Louver Shutter, Heavy Duty Red Cedar <i>For Arched Tops, Add</i>	367.36 150.00	32.80
10 71	13 13-0146	PR	18" x 56" Louver Shutter, Heavy Duty Red Cedar <i>For Arched Tops, Add</i>	394.65 150.00	34.16
10 71	13 13-0147	PR	18" x 59" Louver Shutter, Heavy Duty Red Cedar <i>For Arched Tops, Add</i>	413.44 150.00	35.53
10 71	13 13-0148	PR	18" x 63-1/2" Louver Shutter, Heavy Duty Red Cedar <i>For Arched Tops, Add</i>	440.71 150.00	36.90
10 71	13 13-0149	PR	18" x 68" Louver Shutter, Heavy Duty Red Cedar <i>For Arched Tops, Add</i>	467.99 150.00	38.26
10 71	13 13-0150	PR	18" x 72-1/2" Louver Shutter, Heavy Duty Red Cedar <i>For Arched Tops, Add</i>	495.27 150.00	39.63
10 71	13 13-0151	PR	18" x 75-1/2" Louver Shutter, Heavy Duty Red Cedar <i>For Arched Tops, Add</i>	514.06 150.00	40.99
10 71	13 13-0152	PR	18" x 80" Louver Shutter, Heavy Duty Red Cedar <i>For Arched Tops, Add</i>	541.34 150.00	42.36
10 71	13 13-0153	PR	18" x 83" Louver Shutter, Heavy Duty Red Cedar <i>For Arched Tops, Add</i>	560.13 150.00	43.73
10 71 13 13-0154 Exterior Cypress Fixed Louver Wood Shutters (10 71 13 13)					
10 71 13 13-0155 6" Through 8" Width (10 71 13 13-0154)					
10 71	13 13-0156	PR	6" Thru 8" Width x Thru 30" Height Cypress Fixed Louver Wood Shutter <i>For Arched Tops, Add</i>	251.63 65.00	25.97
10 71	13 13-0157	PR	6" Thru 8" Width x 30-1/8" Thru 34" Height Cypress Fixed Louver Wood Shutter <i>For Arched Tops, Add</i>	281.44 65.00	26.70
10 71	13 13-0158	PR	6" Thru 8" Width x 34-1/8" Thru 38" Height Cypress Fixed Louver Wood Shutter <i>For Arched Tops, Add</i>	311.33 65.00	27.33
10 71	13 13-0159	PR	6" Thru 8" Width x 38-1/8" Thru 42" Height Cypress Fixed Louver Wood Shutter <i>For Arched Tops, Add</i>	342.07 65.00	28.69
10 71	13 13-0160	PR	6" Thru 8" Width x 42-1/8" Thru 46" Height Cypress Fixed Louver Wood Shutter <i>For Arched Tops, Add</i>	372.83 65.00	30.06
10 71	13 13-0161	PR	6" Thru 8" Width x 46-1/8" Thru 50" Height Cypress Fixed Louver Wood Shutter <i>For Arched Tops, Add</i>	403.59 65.00	31.43
10 71	13 13-0162	PR	6" Thru 8" Width x 50-1/8" Thru 54" Height Cypress Fixed Louver Wood Shutter <i>For Arched Tops, Add</i>	434.35 65.00	32.80
10 71	13 13-0163	PR	6" Thru 8" Width x 54-1/8" Thru 58" Height Cypress Fixed Louver Wood Shutter <i>For Arched Tops, Add</i>	465.11 65.00	34.16
10 71	13 13-0164	PR	6" Thru 8" Width x 58-1/8" Thru 62" Height Cypress Fixed Louver Wood Shutter <i>For Arched Tops, Add</i>	495.87 65.00	35.53
10 71	13 13-0165	PR	6" Thru 8" Width x 62-1/8" Thru 66" Height Cypress Fixed Louver Wood Shutter <i>For Arched Tops, Add</i>	526.61 65.00	36.90
10 71	13 13-0166	PR	6" Thru 8" Width x 66-1/8" Thru 70" Height Cypress Fixed Louver Wood Shutter <i>For Arched Tops, Add</i>	557.38 65.00	38.26
10 71	13 13-0167	PR	6" Thru 8" Width x 70-1/8" Thru 74" Height Cypress Fixed Louver Wood Shutter <i>For Arched Tops, Add</i>	588.13 65.00	39.63
10 71	13 13-0168	PR	6" Thru 8" Width x 74-1/8" Thru 78" Height Cypress Fixed Louver Wood Shutter <i>For Arched Tops, Add</i>	618.90 65.00	40.99
10 71	13 13-0169	PR	6" Thru 8" Width x 78-1/8" Thru 82" Height Cypress Fixed Louver Wood Shutter <i>For Arched Tops, Add</i>	649.66 65.00	42.36
10 71 13 13-0170 10" Through 12" Width (10 71 13 13-0154)					
10 71	13 13-0171	PR	10" Thru 12" Width x Thru 30" Height Cypress Fixed Louver Wood Shutter <i>For Arched Tops, Add</i>	289.93 65.00	25.97
10 71	13 13-0172	PR	10" Thru 12" Width x 30-1/8" Thru 34" Height Cypress Fixed Louver Wood Shutter <i>For Arched Tops, Add</i>	324.88 65.00	26.70
10 71	13 13-0173	PR	10" Thru 12" Width x 34-1/8" Thru 38" Height Cypress Fixed Louver Wood Shutter <i>For Arched Tops, Add</i>	359.84 65.00	27.33
10 71	13 13-0174	PR	10" Thru 12" Width x 38-1/8" Thru 42" Height Cypress Fixed Louver Wood Shutter <i>For Arched Tops, Add</i>	395.70 65.00	28.69
10 71	13 13-0175	PR	10" Thru 12" Width x 42-1/8" Thru 46" Height Cypress Fixed Louver Wood Shutter <i>For Arched Tops, Add</i>	431.55 65.00	30.06
10 71	13 13-0176	PR	10" Thru 12" Width x 46-1/8" Thru 50" Height Cypress Fixed Louver Wood Shutter <i>For Arched Tops, Add</i>	467.42 65.00	31.43
10 71	13 13-0177	PR	10" Thru 12" Width x 50-1/8" Thru 54" Height Cypress Fixed Louver Wood Shutter <i>For Arched Tops, Add</i>	503.29 65.00	32.80
10 71	13 13-0178	PR	10" Thru 12" Width x 54-1/8" Thru 58" Height Cypress Fixed Louver Wood Shutter <i>For Arched Tops, Add</i>	539.15 65.00	34.16
10 71	13 13-0179	PR	10" Thru 12" Width x 58-1/8" Thru 62" Height Cypress Fixed Louver Wood Shutter <i>For Arched Tops, Add</i>	575.01 65.00	35.53
10 71	13 13-0180	PR	10" Thru 12" Width x 62-1/8" Thru 66" Height Cypress Fixed Louver Wood Shutter <i>For Arched Tops, Add</i>	610.88 65.00	36.90
10 71	13 13-0181	PR	10" Thru 12" Width x 66-1/8" Thru 70" Height Cypress Fixed Louver Wood Shutter <i>For Arched Tops, Add</i>	646.73 65.00	38.26
10 71	13 13-0182	PR	10" Thru 12" Width x 70-1/8" Thru 74" Height Cypress Fixed Louver Wood Shutter <i>For Arched Tops, Add</i>	682.61 65.00	39.63
10 71	13 13-0183	PR	10" Thru 12" Width x 74-1/8" Thru 78" Height Cypress Fixed Louver Wood Shutter <i>For Arched Tops, Add</i>	718.46 65.00	40.99
10 71	13 13-0184	PR	10" Thru 12" Width x 78-1/8" Thru 82" Height Cypress Fixed Louver Wood Shutter <i>For Arched Tops, Add</i>	754.33 65.00	42.36

10	Specialties
10 70	Exterior Specialties
10 71	Exterior Protection



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 71 13 13-0185 14" Through 16" Width (10 71 13 13-0154)		
10 71 13 13-0186 PR 14" Thru 16" Width x Thru 30" Height Cypress Fixed Louver Wood Shutter.....	375.03	25.97
For Arched Tops, Add	65.00	
10 71 13 13-0187 PR 14" Thru 16" Width x 30-1/8" Thru 34" Height Cypress Fixed Louver Wood Shutter	421.34	26.70
For Arched Tops, Add	65.00	
10 71 13 13-0188 PR 14" Thru 16" Width x 34-1/8" Thru 38" Height Cypress Fixed Louver Wood Shutter	467.63	27.33
For Arched Tops, Add	65.00	
10 71 13 13-0189 PR 14" Thru 16" Width x 38-1/8" Thru 42" Height Cypress Fixed Louver Wood Shutter	514.84	28.69
For Arched Tops, Add	65.00	
10 71 13 13-0190 PR 14" Thru 16" Width x 42-1/8" Thru 46" Height Cypress Fixed Louver Wood Shutter	562.05	30.06
For Arched Tops, Add	65.00	
10 71 13 13-0191 PR 14" Thru 16" Width x 46-1/8" Thru 50" Height Cypress Fixed Louver Wood Shutter	609.26	31.43
For Arched Tops, Add	65.00	
10 71 13 13-0192 PR 14" Thru 16" Width x 50-1/8" Thru 54" Height Cypress Fixed Louver Wood Shutter	656.47	32.80
For Arched Tops, Add	65.00	
10 71 13 13-0193 PR 14" Thru 16" Width x 54-1/8" Thru 58" Height Cypress Fixed Louver Wood Shutter	703.69	34.16
For Arched Tops, Add	65.00	
10 71 13 13-0194 PR 14" Thru 16" Width x 58-1/8" Thru 62" Height Cypress Fixed Louver Wood Shutter	705.51	35.53
For Arched Tops, Add	65.00	
10 71 13 13-0195 PR 14" Thru 16" Width x 62-1/8" Thru 66" Height Cypress Fixed Louver Wood Shutter	798.11	36.90
For Arched Tops, Add	65.00	
10 71 13 13-0196 PR 14" Thru 16" Width x 66-1/8" Thru 70" Height Cypress Fixed Louver Wood Shutter	845.32	38.26
For Arched Tops, Add	65.00	
10 71 13 13-0197 PR 14" Thru 16" Width x 70-1/8" Thru 74" Height Cypress Fixed Louver Wood Shutter	892.52	39.63
For Arched Tops, Add	65.00	
10 71 13 13-0198 PR 14" Thru 16" Width x 74-1/8" Thru 78" Height Cypress Fixed Louver Wood Shutter	939.73	40.99
For Arched Tops, Add	65.00	
10 71 13 13-0199 PR 14" Thru 16" Width x 78-1/8" Thru 82" Height Cypress Fixed Louver Wood Shutter	986.94	42.36
For Arched Tops, Add	65.00	
10 71 13 13-0200 18" Through 20" Width (10 71 13 13-0154)		
10 71 13 13-0201 PR 18" Thru 20" Width x Thru 30" Height Cypress Fixed Louver Wood Shutter.....	417.57	25.97
For Arched Tops, Add	65.00	
10 71 13 13-0202 PR 18" Thru 20" Width x 30-1/8" Thru 34" Height Cypress Fixed Louver Wood Shutter	469.56	26.70
For Arched Tops, Add	65.00	
10 71 13 13-0203 PR 18" Thru 20" Width x 34-1/8" Thru 38" Height Cypress Fixed Louver Wood Shutter	521.53	27.33
For Arched Tops, Add	65.00	
10 71 13 13-0204 PR 18" Thru 20" Width x 38-1/8" Thru 42" Height Cypress Fixed Louver Wood Shutter	573.94	28.69
For Arched Tops, Add	65.00	
10 71 13 13-0205 PR 18" Thru 20" Width x 42-1/8" Thru 46" Height Cypress Fixed Louver Wood Shutter	627.29	30.06
For Arched Tops, Add	65.00	
10 71 13 13-0206 PR 18" Thru 20" Width x 46-1/8" Thru 50" Height Cypress Fixed Louver Wood Shutter	680.18	31.43
For Arched Tops, Add	65.00	
10 71 13 13-0207 PR 18" Thru 20" Width x 50-1/8" Thru 54" Height Cypress Fixed Louver Wood Shutter	733.06	32.80
For Arched Tops, Add	65.00	
10 71 13 13-0208 PR 18" Thru 20" Width x 54-1/8" Thru 58" Height Cypress Fixed Louver Wood Shutter	785.95	34.16
For Arched Tops, Add	65.00	
10 71 13 13-0209 PR 18" Thru 20" Width x 58-1/8" Thru 62" Height Cypress Fixed Louver Wood Shutter	838.83	35.53
For Arched Tops, Add	65.00	
10 71 13 13-0210 PR 18" Thru 20" Width x 62-1/8" Thru 66" Height Cypress Fixed Louver Wood Shutter	891.72	36.90
For Arched Tops, Add	65.00	
10 71 13 13-0211 PR 18" Thru 20" Width x 66-1/8" Thru 70" Height Cypress Fixed Louver Wood Shutter	944.60	38.26
For Arched Tops, Add	65.00	
10 71 13 13-0212 PR 18" Thru 20" Width x 70-1/8" Thru 74" Height Cypress Fixed Louver Wood Shutter	997.49	39.63
For Arched Tops, Add	65.00	
10 71 13 13-0213 PR 18" Thru 20" Width x 74-1/8" Thru 78" Height Cypress Fixed Louver Wood Shutter	1,050.37	40.99
For Arched Tops, Add	65.00	
10 71 13 13-0214 PR 18" Thru 20" Width x 78-1/8" Thru 82" Height Cypress Fixed Louver Wood Shutter	1,103.26	42.36
For Arched Tops, Add	65.00	
10 71 13 13-0215 22" Through 24" Width (10 71 13 13-0154)		
10 71 13 13-0216 PR 22" Thru 24" Width x Thru 30" Height Cypress Fixed Louver Wood Shutter.....	545.23	25.97
For Arched Tops, Add	65.00	
10 71 13 13-0217 PR 22" Thru 24" Width x 30-1/8" Thru 34" Height Cypress Fixed Louver Wood Shutter	614.23	26.70
For Arched Tops, Add	65.00	
10 71 13 13-0218 PR 22" Thru 24" Width x 34-1/8" Thru 38" Height Cypress Fixed Louver Wood Shutter	683.23	27.33
For Arched Tops, Add	65.00	
10 71 13 13-0219 PR 22" Thru 24" Width x 38-1/8" Thru 42" Height Cypress Fixed Louver Wood Shutter	753.13	28.69
For Arched Tops, Add	65.00	
10 71 13 13-0220 PR 22" Thru 24" Width x 42-1/8" Thru 46" Height Cypress Fixed Louver Wood Shutter	823.03	30.06
For Arched Tops, Add	65.00	
10 71 13 13-0221 PR 22" Thru 24" Width x 46-1/8" Thru 50" Height Cypress Fixed Louver Wood Shutter	892.94	31.43
For Arched Tops, Add	65.00	
10 71 13 13-0222 PR 22" Thru 24" Width x 50-1/8" Thru 54" Height Cypress Fixed Louver Wood Shutter	962.84	32.80
For Arched Tops, Add	65.00	
10 71 13 13-0223 PR 22" Thru 24" Width x 54-1/8" Thru 58" Height Cypress Fixed Louver Wood Shutter	1,032.75	34.16
For Arched Tops, Add	65.00	
10 71 13 13-0224 PR 22" Thru 24" Width x 58-1/8" Thru 62" Height Cypress Fixed Louver Wood Shutter	1,102.66	35.53
For Arched Tops, Add	65.00	
10 71 13 13-0225 PR 22" Thru 24" Width x 62-1/8" Thru 66" Height Cypress Fixed Louver Wood Shutter	1,172.56	36.90
For Arched Tops, Add	65.00	



Specialties	10	10
Exterior Specialties	10 70	
Exterior Protection	10 71	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 71	13 13-0226	PR	22" Thru 24" Width x 66-1/8" Thru 70" Height Cypress Fixed Louver Wood Shutter <i>For Arched Tops, Add</i>	1,242.46 65.00	38.26
10 71	13 13-0227	PR	22" Thru 24" Width x 70-1/8" Thru 74" Height Cypress Fixed Louver Wood Shutter <i>For Arched Tops, Add</i>	1,312.38 65.00	39.63
10 71	13 13-0228	PR	22" Thru 24" Width x 74-1/8" Thru 78" Height Cypress Fixed Louver Wood Shutter <i>For Arched Tops, Add</i>	1,382.28 65.00	40.99
10 71	13 13-0229	PR	22" Thru 24" Width x 78-1/8" Thru 82" Height Cypress Fixed Louver Wood Shutter <i>For Arched Tops, Add</i>	1,452.18 65.00	42.36
10 71 13 13-0230 26" Through 28" Width (10 71 13 13-0154)					
10 71	13 13-0231	PR	26" Thru 28" Width x Thru 30" Height Cypress Fixed Louver Wood Shutter <i>For Arched Tops, Add</i>	621.82 65.00	25.97
10 71	13 13-0232	PR	26" Thru 28" Width x 30-1/8" Thru 34" Height Cypress Fixed Louver Wood Shutter <i>For Arched Tops, Add</i>	701.03 65.00	26.70
10 71	13 13-0233	PR	26" Thru 28" Width x 34-1/8" Thru 38" Height Cypress Fixed Louver Wood Shutter <i>For Arched Tops, Add</i>	780.25 65.00	27.33
10 71	13 13-0234	PR	26" Thru 28" Width x 38-1/8" Thru 42" Height Cypress Fixed Louver Wood Shutter <i>For Arched Tops, Add</i>	860.36 65.00	28.69
10 71	13 13-0235	PR	26" Thru 28" Width x 42-1/8" Thru 46" Height Cypress Fixed Louver Wood Shutter <i>For Arched Tops, Add</i>	940.47 65.00	30.06
10 71	13 13-0236	PR	26" Thru 28" Width x 46-1/8" Thru 50" Height Cypress Fixed Louver Wood Shutter <i>For Arched Tops, Add</i>	1,020.60 65.00	31.43
10 71	13 13-0237	PR	26" Thru 28" Width x 50-1/8" Thru 54" Height Cypress Fixed Louver Wood Shutter <i>For Arched Tops, Add</i>	1,100.71 65.00	32.80
10 71	13 13-0238	PR	26" Thru 28" Width x 54-1/8" Thru 58" Height Cypress Fixed Louver Wood Shutter <i>For Arched Tops, Add</i>	1,180.83 65.00	34.16
10 71	13 13-0239	PR	26" Thru 28" Width x 58-1/8" Thru 62" Height Cypress Fixed Louver Wood Shutter <i>For Arched Tops, Add</i>	1,260.96 65.00	35.53
10 71	13 13-0240	PR	26" Thru 28" Width x 62-1/8" Thru 66" Height Cypress Fixed Louver Wood Shutter <i>For Arched Tops, Add</i>	1,341.06 65.00	36.90
10 71	13 13-0241	PR	26" Thru 28" Width x 66-1/8" Thru 70" Height Cypress Fixed Louver Wood Shutter <i>For Arched Tops, Add</i>	1,421.17 65.00	38.26
10 71	13 13-0242	PR	26" Thru 28" Width x 70-1/8" Thru 74" Height Cypress Fixed Louver Wood Shutter <i>For Arched Tops, Add</i>	1,501.31 65.00	39.63
10 71	13 13-0243	PR	26" Thru 28" Width x 74-1/8" Thru 78" Height Cypress Fixed Louver Wood Shutter <i>For Arched Tops, Add</i>	1,581.42 65.00	40.99
10 71	13 13-0244	PR	26" Thru 28" Width x 78-1/8" Thru 82" Height Cypress Fixed Louver Wood Shutter <i>For Arched Tops, Add</i>	1,661.52 65.00	42.36
10 71 13 13-0245 Pine Louvered Shutters (10 71 13 13)					
10 71 13 13-0246 12" Width (10 71 13 13-0245)					
10 71	13 13-0247	PR	12" x 35" Pine Louvered Shutter <i>For Arched Tops, Add</i>	152.98 65.00	27.33
10 71	13 13-0248	PR	12" x 39" Pine Louvered Shutter <i>For Arched Tops, Add</i>	159.74 65.00	28.69
10 71	13 13-0249	PR	12" x 43" Pine Louvered Shutter <i>For Arched Tops, Add</i>	166.43 65.00	30.06
10 71	13 13-0250	PR	12" x 47" Pine Louvered Shutter <i>For Arched Tops, Add</i>	173.15 65.00	31.43
10 71	13 13-0251	PR	12" x 51" Pine Louvered Shutter <i>For Arched Tops, Add</i>	179.84 65.00	32.80
10 71	13 13-0252	PR	12" x 55" Pine Louvered Shutter <i>For Arched Tops, Add</i>	186.56 65.00	34.16
10 71	13 13-0253	PR	12" x 59" Pine Louvered Shutter <i>For Arched Tops, Add</i>	193.29 65.00	35.53
10 71	13 13-0254	PR	12" x 63" Pine Louvered Shutter <i>For Arched Tops, Add</i>	200.05 65.00	36.90
10 71	13 13-0255	PR	12" x 67" Pine Louvered Shutter <i>For Arched Tops, Add</i>	206.77 65.00	38.26
10 71	13 13-0256	PR	12" x 71" Pine Louvered Shutter <i>For Arched Tops, Add</i>	213.51 65.00	39.63
10 71	13 13-0257	PR	12" x 75" Pine Louvered Shutter <i>For Arched Tops, Add</i>	220.23 65.00	40.99
10 71 13 13-0258 14" Width (10 71 13 13-0245)					
10 71	13 13-0259	PR	14" x 35" Pine Louvered Shutter <i>For Arched Tops, Add</i>	167.06 65.00	27.33
10 71	13 13-0260	PR	14" x 39" Pine Louvered Shutter <i>For Arched Tops, Add</i>	174.45 65.00	28.69
10 71	13 13-0261	PR	14" x 43" Pine Louvered Shutter <i>For Arched Tops, Add</i>	181.75 65.00	30.06
10 71	13 13-0262	PR	14" x 47" Pine Louvered Shutter <i>For Arched Tops, Add</i>	189.11 65.00	31.43
10 71	13 13-0263	PR	14" x 51" Pine Louvered Shutter <i>For Arched Tops, Add</i>	196.41 65.00	32.80
10 71	13 13-0264	PR	14" x 55" Pine Louvered Shutter <i>For Arched Tops, Add</i>	203.72 65.00	34.16
10 71	13 13-0265	PR	14" x 59" Pine Louvered Shutter <i>For Arched Tops, Add</i>	211.06 65.00	35.53

10	Specialties
10 70	Exterior Specialties
10 71	Exterior Protection



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 71 13 13-0266 PR 14" x 63" Pine Louvered Shutter..... <i>For Arched Tops, Add</i>	218.41 65.00	36.90
10 71 13 13-0267 PR 14" x 67" Pine Louvered Shutter..... <i>For Arched Tops, Add</i>	225.72 65.00	38.26
10 71 13 13-0268 PR 14" x 71" Pine Louvered Shutter..... <i>For Arched Tops, Add</i>	233.06 65.00	39.63
10 71 13 13-0269 PR 14" x 75" Pine Louvered Shutter..... <i>For Arched Tops, Add</i>	240.42 65.00	40.99
10 71 13 13-0270 15" Width <small>(10 71 13 13-0245)</small>		
10 71 13 13-0271 PR 15" x 35" Pine Louvered Shutter..... <i>For Arched Tops, Add</i>	173.93 65.00	27.33
10 71 13 13-0272 PR 15" x 39" Pine Louvered Shutter..... <i>For Arched Tops, Add</i>	181.57 65.00	28.69
10 71 13 13-0273 PR 15" x 43" Pine Louvered Shutter..... <i>For Arched Tops, Add</i>	189.23 65.00	30.06
10 71 13 13-0274 PR 15" x 47" Pine Louvered Shutter..... <i>For Arched Tops, Add</i>	196.83 65.00	31.43
10 71 13 13-0275 PR 15" x 51" Pine Louvered Shutter..... <i>For Arched Tops, Add</i>	204.48 65.00	32.80
10 71 13 13-0276 PR 15" x 55" Pine Louvered Shutter..... <i>For Arched Tops, Add</i>	212.12 65.00	34.16
10 71 13 13-0277 PR 15" x 59" Pine Louvered Shutter..... <i>For Arched Tops, Add</i>	219.77 65.00	35.53
10 71 13 13-0278 PR 15" x 63" Pine Louvered Shutter..... <i>For Arched Tops, Add</i>	227.39 65.00	36.90
10 71 13 13-0279 PR 15" x 67" Pine Louvered Shutter..... <i>For Arched Tops, Add</i>	235.01 65.00	38.26
10 71 13 13-0280 PR 15" x 71" Pine Louvered Shutter..... <i>For Arched Tops, Add</i>	242.64 65.00	39.63
10 71 13 13-0281 PR 15" x 75" Pine Louvered Shutter..... <i>For Arched Tops, Add</i>	250.29 65.00	40.99
10 71 13 13-0282 PR 15" x 81" Pine Louvered Shutter..... <i>For Arched Tops, Add</i>	260.83 65.00	42.36
10 71 13 13-0283 16" Width <small>(10 71 13 13-0245)</small>		
10 71 13 13-0284 PR 16" x 35" Pine Louvered Shutter..... <i>For Arched Tops, Add</i>	180.48 65.00	27.33
10 71 13 13-0285 PR 16" x 39" Pine Louvered Shutter..... <i>For Arched Tops, Add</i>	188.68 65.00	28.69
10 71 13 13-0286 PR 16" x 43" Pine Louvered Shutter..... <i>For Arched Tops, Add</i>	196.94 65.00	30.06
10 71 13 13-0287 PR 16" x 47" Pine Louvered Shutter..... <i>For Arched Tops, Add</i>	205.17 65.00	31.43
10 71 13 13-0288 PR 16" x 51" Pine Louvered Shutter..... <i>For Arched Tops, Add</i>	213.42 65.00	32.80
10 71 13 13-0289 PR 16" x 55" Pine Louvered Shutter..... <i>For Arched Tops, Add</i>	221.67 65.00	34.16
10 71 13 13-0290 PR 16" x 59" Pine Louvered Shutter..... <i>For Arched Tops, Add</i>	229.87 65.00	35.53
10 71 13 13-0291 PR 16" x 63" Pine Louvered Shutter..... <i>For Arched Tops, Add</i>	238.13 65.00	36.90
10 71 13 13-0292 PR 16" x 67" Pine Louvered Shutter..... <i>For Arched Tops, Add</i>	246.37 65.00	38.26
10 71 13 13-0293 PR 16" x 71" Pine Louvered Shutter..... <i>For Arched Tops, Add</i>	254.62 65.00	39.63
10 71 13 13-0294 PR 16" x 75" Pine Louvered Shutter..... <i>For Arched Tops, Add</i>	262.86 65.00	40.99
10 71 13 13-0295 PR 16" x 81" Pine Louvered Shutter..... <i>For Arched Tops, Add</i>	271.06 65.00	42.36
10 71 13 13-0296 18" Width <small>(10 71 13 13-0245)</small>		
10 71 13 13-0297 PR 18" x 35" Pine Louvered Shutter..... <i>For Arched Tops, Add</i>	194.88 65.00	27.33
10 71 13 13-0298 PR 18" x 39" Pine Louvered Shutter..... <i>For Arched Tops, Add</i>	205.24 65.00	28.69
10 71 13 13-0299 PR 18" x 47" Pine Louvered Shutter..... <i>For Arched Tops, Add</i>	223.30 65.00	31.43
10 71 13 13-0300 PR 18" x 55" Pine Louvered Shutter..... <i>For Arched Tops, Add</i>	241.40 65.00	34.16
10 71 13 13-0301 PR 18" x 63" Pine Louvered Shutter..... <i>For Arched Tops, Add</i>	259.49 65.00	36.90
10 71 13 13-0302 PR 18" x 75" Pine Louvered Shutter..... <i>For Arched Tops, Add</i>	297.46 65.00	40.99
10 71 13 13-0303 PR 18" x 81" Pine Louvered Shutter..... <i>For Arched Tops, Add</i>	308.31 65.00	42.36
10 71 13 13-0304 Exterior Cedar Board N' Batten Wood Shutters <small>(10 71 13 13)</small>		



Specialties	10
Exterior Specialties	10 70
Exterior Protection	10 71

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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 71 13 13-0305 8" Through 14" Width <small>(10 71 13 13-0304)</small>		
10 71 13 13-0306 PR 8" Thru 14" Width x Thru 30" Height Cedar Board N' Batten Wood Shutter	284.59	25.97
<i>For Arched Tops, Add</i>	65.00	
10 71 13 13-0307 PR 8" Thru 14" Width x 30-1/8" Thru 34" Height Cedar Board N' Batten Wood Shutter	368.84	26.70
<i>For Arched Tops, Add</i>	65.00	
10 71 13 13-0308 PR 8" Thru 14" Width x 34-1/8" Thru 38" Height Cedar Board N' Batten Wood Shutter	369.75	27.33
<i>For Arched Tops, Add</i>	65.00	
10 71 13 13-0309 PR 8" Thru 14" Width x 38-1/8" Thru 42" Height Cedar Board N' Batten Wood Shutter	454.90	28.69
<i>For Arched Tops, Add</i>	65.00	
10 71 13 13-0310 PR 8" Thru 14" Width x 42-1/8" Thru 46" Height Cedar Board N' Batten Wood Shutter	456.72	30.06
<i>For Arched Tops, Add</i>	65.00	
10 71 13 13-0311 PR 8" Thru 14" Width x 46-1/8" Thru 50" Height Cedar Board N' Batten Wood Shutter	458.54	31.43
<i>For Arched Tops, Add</i>	65.00	
10 71 13 13-0312 PR 8" Thru 14" Width x 50-1/8" Thru 54" Height Cedar Board N' Batten Wood Shutter	543.70	32.80
<i>For Arched Tops, Add</i>	65.00	
10 71 13 13-0313 PR 8" Thru 14" Width x 54-1/8" Thru 58" Height Cedar Board N' Batten Wood Shutter	545.52	34.16
<i>For Arched Tops, Add</i>	65.00	
10 71 13 13-0314 PR 8" Thru 14" Width x 58-1/8" Thru 62" Height Cedar Board N' Batten Wood Shutter	547.34	35.53
<i>For Arched Tops, Add</i>	65.00	
10 71 13 13-0315 PR 8" Thru 14" Width x 62-1/8" Thru 66" Height Cedar Board N' Batten Wood Shutter	632.49	36.90
<i>For Arched Tops, Add</i>	65.00	
10 71 13 13-0316 PR 8" Thru 14" Width x 66-1/8" Thru 70" Height Cedar Board N' Batten Wood Shutter	634.32	38.26
<i>For Arched Tops, Add</i>	65.00	
10 71 13 13-0317 PR 8" Thru 14" Width x 70-1/8" Thru 74" Height Cedar Board N' Batten Wood Shutter	719.45	39.63
<i>For Arched Tops, Add</i>	65.00	
10 71 13 13-0318 PR 8" Thru 14" Width x 74-1/8" Thru 78" Height Cedar Board N' Batten Wood Shutter	721.28	40.99
<i>For Arched Tops, Add</i>	65.00	
10 71 13 13-0319 PR 8" Thru 14" Width x 78-1/8" Thru 82" Height Cedar Board N' Batten Wood Shutter	723.10	42.36
<i>For Arched Tops, Add</i>	65.00	
10 71 13 13-0320 PR 8" Thru 14" Width x 82-1/8" Thru 86" Height Cedar Board N' Batten Wood Shutter	724.92	43.73
<i>For Arched Tops, Add</i>	65.00	
10 71 13 13-0321 15" Through 16" Width <small>(10 71 13 13-0304)</small>		
10 71 13 13-0322 PR 15" Thru 16" Width x Through 30" Height Cedar Board N' Batten Wood Shutter	367.92	25.97
<i>For Arched Tops, Add</i>	65.00	
10 71 13 13-0323 PR 15" Thru 16" Width x 30-1/8" Thru 34" Height Cedar Board N' Batten Wood Shutter	368.84	26.70
<i>For Arched Tops, Add</i>	65.00	
10 71 13 13-0324 PR 15" Thru 16" Width x 34-1/8" Thru 38" Height Cedar Board N' Batten Wood Shutter	453.08	27.33
<i>For Arched Tops, Add</i>	65.00	
10 71 13 13-0325 PR 15" Thru 16" Width x 38-1/8" Thru 42" Height Cedar Board N' Batten Wood Shutter	454.90	28.69
<i>For Arched Tops, Add</i>	65.00	
10 71 13 13-0326 PR 15" Thru 16" Width x 42-1/8" Thru 46" Height Cedar Board N' Batten Wood Shutter	540.05	30.06
<i>For Arched Tops, Add</i>	65.00	
10 71 13 13-0327 PR 15" Thru 16" Width x 46-1/8" Thru 50" Height Cedar Board N' Batten Wood Shutter	541.87	31.43
<i>For Arched Tops, Add</i>	65.00	
10 71 13 13-0328 PR 15" Thru 16" Width x 50-1/8" Thru 54" Height Cedar Board N' Batten Wood Shutter	543.69	32.80
<i>For Arched Tops, Add</i>	65.00	
10 71 13 13-0329 PR 15" Thru 16" Width x 54-1/8" Thru 58" Height Cedar Board N' Batten Wood Shutter	628.85	34.16
<i>For Arched Tops, Add</i>	65.00	
10 71 13 13-0330 PR 15" Thru 16" Width x 58-1/8" Thru 62" Height Cedar Board N' Batten Wood Shutter	630.67	35.53
<i>For Arched Tops, Add</i>	65.00	
10 71 13 13-0331 PR 15" Thru 16" Width x 62-1/8" Thru 66" Height Cedar Board N' Batten Wood Shutter	715.81	36.90
<i>For Arched Tops, Add</i>	65.00	
10 71 13 13-0332 PR 15" Thru 16" Width x 66-1/8" Thru 70" Height Cedar Board N' Batten Wood Shutter	717.63	38.26
<i>For Arched Tops, Add</i>	65.00	
10 71 13 13-0333 PR 15" Thru 16" Width x 70-1/8" Thru 74" Height Cedar Board N' Batten Wood Shutter	802.79	39.63
<i>For Arched Tops, Add</i>	65.00	
10 71 13 13-0334 PR 15" Thru 16" Width x 74-1/8" Thru 78" Height Cedar Board N' Batten Wood Shutter	804.61	40.99
<i>For Arched Tops, Add</i>	65.00	
10 71 13 13-0335 PR 15" Thru 16" Width x 78-1/8" Thru 82" Height Cedar Board N' Batten Wood Shutter	889.76	42.36
<i>For Arched Tops, Add</i>	65.00	
10 71 13 13-0336 PR 15" Thru 16" Width x 82-1/8" Thru 86" Height Cedar Board N' Batten Wood Shutter	891.58	43.73
<i>For Arched Tops, Add</i>	65.00	
10 71 13 13-0337 17" Through 18" Width <small>(10 71 13 13-0304)</small>		
10 71 13 13-0338 PR 17" Thru 18" Width x Thru 30" Height Cedar Board N' Batten Wood Shutter	367.92	25.97
<i>For Arched Tops, Add</i>	65.00	
10 71 13 13-0339 PR 17" Thru 18" Width x 30-1/8" Thru 34" Height Cedar Board N' Batten Wood Shutter	452.17	26.70
<i>For Arched Tops, Add</i>	65.00	
10 71 13 13-0340 PR 17" Thru 18" Width x 34-1/8" Thru 38" Height Cedar Board N' Batten Wood Shutter	453.08	27.33
<i>For Arched Tops, Add</i>	65.00	
10 71 13 13-0341 PR 17" Thru 18" Width x 38-1/8" Thru 42" Height Cedar Board N' Batten Wood Shutter	538.23	28.69
<i>For Arched Tops, Add</i>	65.00	
10 71 13 13-0342 PR 17" Thru 18" Width x 42-1/8" Thru 46" Height Cedar Board N' Batten Wood Shutter	540.05	30.06
<i>For Arched Tops, Add</i>	65.00	
10 71 13 13-0343 PR 17" Thru 18" Width x 46-1/8" Thru 50" Height Cedar Board N' Batten Wood Shutter	625.20	31.43
<i>For Arched Tops, Add</i>	65.00	
10 71 13 13-0344 PR 17" Thru 18" Width x 50-1/8" Thru 54" Height Cedar Board N' Batten Wood Shutter	627.02	32.80
<i>For Arched Tops, Add</i>	65.00	
10 71 13 13-0345 PR 17" Thru 18" Width x 54-1/8" Thru 58" Height Cedar Board N' Batten Wood Shutter	712.17	34.16
<i>For Arched Tops, Add</i>	65.00	

10	Specialties
10 70	Exterior Specialties
10 71	Exterior Protection



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 71 13 13-0346 PR 17" Thru 18" Width x 58-1/8" Thru 62" Height Cedar Board N' Batten Wood Shutter	713.99	35.53
For Arched Tops, Add	65.00	
10 71 13 13-0347 PR 17" Thru 18" Width x 62-1/8" Thru 66" Height Cedar Board N' Batten Wood Shutter	799.14	36.90
For Arched Tops, Add	65.00	
10 71 13 13-0348 PR 17" Thru 18" Width x 66-1/8" Thru 70" Height Cedar Board N' Batten Wood Shutter	800.96	38.26
For Arched Tops, Add	65.00	
10 71 13 13-0349 PR 17" Thru 18" Width x 70-1/8" Thru 74" Height Cedar Board N' Batten Wood Shutter	886.12	39.63
For Arched Tops, Add	65.00	
10 71 13 13-0350 PR 17" Thru 18" Width x 74-1/8" Thru 78" Height Cedar Board N' Batten Wood Shutter	887.94	40.99
For Arched Tops, Add	65.00	
10 71 13 13-0351 PR 17" Thru 18" Width x 78-1/8" Thru 82" Height Cedar Board N' Batten Wood Shutter	973.09	42.36
For Arched Tops, Add	65.00	
10 71 13 13-0352 PR 17" Thru 18" Width x 82-1/8" Thru 86" Height Cedar Board N' Batten Wood Shutter	974.91	43.73
For Arched Tops, Add	65.00	
10 71 13 13-0353 19" Through 20" Width (10 71 13 13-0304)		
10 71 13 13-0354 PR 19" Thru 20" Width x Thru 30" Height Cedar Board N' Batten Wood Shutter	451.25	25.97
For Arched Tops, Add	65.00	
10 71 13 13-0355 PR 19" Thru 20" Width x 30-1/8" Thru 34" Height Cedar Board N' Batten Wood Shutter	452.17	26.70
For Arched Tops, Add	65.00	
10 71 13 13-0356 PR 19" Thru 20" Width x 34-1/8" Thru 38" Height Cedar Board N' Batten Wood Shutter	536.41	27.33
For Arched Tops, Add	65.00	
10 71 13 13-0357 PR 19" Thru 20" Width x 38-1/8" Thru 42" Height Cedar Board N' Batten Wood Shutter	538.23	28.69
For Arched Tops, Add	65.00	
10 71 13 13-0358 PR 19" Thru 20" Width x 42-1/8" Thru 46" Height Cedar Board N' Batten Wood Shutter	623.38	30.06
For Arched Tops, Add	65.00	
10 71 13 13-0359 PR 19" Thru 20" Width x 46-1/8" Thru 50" Height Cedar Board N' Batten Wood Shutter	625.20	31.43
For Arched Tops, Add	65.00	
10 71 13 13-0360 PR 19" Thru 20" Width x 50-1/8" Thru 54" Height Cedar Board N' Batten Wood Shutter	710.34	32.80
For Arched Tops, Add	65.00	
10 71 13 13-0361 PR 19" Thru 20" Width x 54-1/8" Thru 58" Height Cedar Board N' Batten Wood Shutter	795.50	34.16
For Arched Tops, Add	65.00	
10 71 13 13-0362 PR 19" Thru 20" Width x 58-1/8" Thru 62" Height Cedar Board N' Batten Wood Shutter	797.32	35.53
For Arched Tops, Add	65.00	
10 71 13 13-0363 PR 19" Thru 20" Width x 62-1/8" Thru 66" Height Cedar Board N' Batten Wood Shutter	882.47	36.90
For Arched Tops, Add	65.00	
10 71 13 13-0364 PR 19" Thru 20" Width x 66-1/8" Thru 70" Height Cedar Board N' Batten Wood Shutter	884.29	38.26
For Arched Tops, Add	65.00	
10 71 13 13-0365 PR 19" Thru 20" Width x 70-1/8" Thru 74" Height Cedar Board N' Batten Wood Shutter	969.45	39.63
For Arched Tops, Add	65.00	
10 71 13 13-0366 PR 19" Thru 20" Width x 74-1/8" Thru 78" Height Cedar Board N' Batten Wood Shutter	971.27	40.99
For Arched Tops, Add	65.00	
10 71 13 13-0367 PR 19" Thru 20" Width x 78-1/8" Thru 82" Height Cedar Board N' Batten Wood Shutter	1,056.42	42.36
For Arched Tops, Add	65.00	
10 71 13 13-0368 PR 19" Thru 20" Width x 82-1/8" Thru 86" Height Cedar Board N' Batten Wood Shutter	1,058.24	43.73
For Arched Tops, Add	65.00	
10 71 13 13-0369 21" Through 22" Width (10 71 13 13-0304)		
10 71 13 13-0370 PR 21" Thru 22" Width x Thru 30" Height Cedar Board N' Batten Wood Shutter	451.25	25.97
For Arched Tops, Add	65.00	
10 71 13 13-0371 PR 21" Thru 22" Width x 30-1/8" Thru 34" Height Cedar Board N' Batten Wood Shutter	452.17	26.70
For Arched Tops, Add	65.00	
10 71 13 13-0372 PR 21" Thru 22" Width x 34-1/8" Thru 38" Height Cedar Board N' Batten Wood Shutter	536.41	27.33
For Arched Tops, Add	65.00	
10 71 13 13-0373 PR 21" Thru 22" Width x 38-1/8" Thru 42" Height Cedar Board N' Batten Wood Shutter	621.56	28.69
For Arched Tops, Add	65.00	
10 71 13 13-0374 PR 21" Thru 22" Width x 42-1/8" Thru 46" Height Cedar Board N' Batten Wood Shutter	623.38	30.06
For Arched Tops, Add	65.00	
10 71 13 13-0375 PR 21" Thru 22" Width x 46-1/8" Thru 50" Height Cedar Board N' Batten Wood Shutter	708.52	31.43
For Arched Tops, Add	65.00	
10 71 13 13-0376 PR 21" Thru 22" Width x 50-1/8" Thru 54" Height Cedar Board N' Batten Wood Shutter	710.34	32.80
For Arched Tops, Add	65.00	
10 71 13 13-0377 PR 21" Thru 22" Width x 54-1/8" Thru 58" Height Cedar Board N' Batten Wood Shutter	795.50	34.16
For Arched Tops, Add	65.00	
10 71 13 13-0378 PR 21" Thru 22" Width x 58-1/8" Thru 62" Height Cedar Board N' Batten Wood Shutter	880.65	35.53
For Arched Tops, Add	65.00	
10 71 13 13-0379 PR 21" Thru 22" Width x 62-1/8" Thru 66" Height Cedar Board N' Batten Wood Shutter	882.47	36.90
For Arched Tops, Add	65.00	
10 71 13 13-0380 PR 21" Thru 22" Width x 66-1/8" Thru 70" Height Cedar Board N' Batten Wood Shutter	967.62	38.26
For Arched Tops, Add	65.00	
10 71 13 13-0381 PR 21" Thru 22" Width x 70-1/8" Thru 74" Height Cedar Board N' Batten Wood Shutter	969.45	39.63
For Arched Tops, Add	65.00	
10 71 13 13-0382 PR 21" Thru 22" Width x 74-1/8" Thru 78" Height Cedar Board N' Batten Wood Shutter	1,054.60	40.99
For Arched Tops, Add	65.00	
10 71 13 13-0383 PR 21" Thru 22" Width x 78-1/8" Thru 82" Height Cedar Board N' Batten Wood Shutter	1,056.42	42.36
For Arched Tops, Add	65.00	
10 71 13 13-0384 PR 21" Thru 22" Width x 82-1/8" Thru 86" Height Cedar Board N' Batten Wood Shutter	1,058.24	43.73
For Arched Tops, Add	65.00	
10 71 13 13-0385 22" Through 24" Width (10 71 13 13-0304)		



Specialties	10	10
Exterior Specialties	10 70	
Exterior Protection	10 71	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 71	13	13-0386	PR 22" Thru 24" Width x Thru 30" Height Cedar Board N' Batten Wood Shutter <i>For Arched Tops, Add</i>	451.25 65.00	25.97
10 71	13	13-0387	PR 22" Thru 24" Width x 30-1/8" Thru 34" Height Cedar Board N' Batten Wood Shutter <i>For Arched Tops, Add</i>	535.50 65.00	26.70
10 71	13	13-0388	PR 22" Thru 24" Width x 34-1/8" Thru 38" Height Cedar Board N' Batten Wood Shutter <i>For Arched Tops, Add</i>	536.41 65.00	27.33
10 71	13	13-0389	PR 22" Thru 24" Width x 38-1/8" Thru 42" Height Cedar Board N' Batten Wood Shutter <i>For Arched Tops, Add</i>	621.56 65.00	28.69
10 71	13	13-0390	PR 22" Thru 24" Width x 42-1/8" Thru 46" Height Cedar Board N' Batten Wood Shutter <i>For Arched Tops, Add</i>	706.70 65.00	30.06
10 71	13	13-0391	PR 22" Thru 24" Width x 46-1/8" Thru 50" Height Cedar Board N' Batten Wood Shutter <i>For Arched Tops, Add</i>	708.52 65.00	31.43
10 71	13	13-0392	PR 22" Thru 24" Width x 50-1/8" Thru 54" Height Cedar Board N' Batten Wood Shutter <i>For Arched Tops, Add</i>	793.67 65.00	32.80
10 71	13	13-0393	PR 22" Thru 24" Width x 54-1/8" Thru 58" Height Cedar Board N' Batten Wood Shutter <i>For Arched Tops, Add</i>	795.50 65.00	34.16
10 71	13	13-0394	PR 22" Thru 24" Width x 58-1/8" Thru 62" Height Cedar Board N' Batten Wood Shutter <i>For Arched Tops, Add</i>	880.65 65.00	35.53
10 71	13	13-0395	PR 22" Thru 24" Width x 62-1/8" Thru 66" Height Cedar Board N' Batten Wood Shutter <i>For Arched Tops, Add</i>	965.80 65.00	36.90
10 71	13	13-0396	PR 22" Thru 24" Width x 66-1/8" Thru 70" Height Cedar Board N' Batten Wood Shutter <i>For Arched Tops, Add</i>	967.62 65.00	38.26
10 71	13	13-0397	PR 22" Thru 24" Width x 70-1/8" Thru 74" Height Cedar Board N' Batten Wood Shutter <i>For Arched Tops, Add</i>	1,052.78 65.00	39.63
10 71	13	13-0398	PR 22" Thru 24" Width x 74-1/8" Thru 78" Height Cedar Board N' Batten Wood Shutter <i>For Arched Tops, Add</i>	1,054.60 65.00	40.99
10 71	13	13-0399	PR 22" Thru 24" Width x 78-1/8" Thru 82" Height Cedar Board N' Batten Wood Shutter <i>For Arched Tops, Add</i>	1,139.74 65.00	42.36
10 71	13	13-0400	PR 22" Thru 24" Width x 82-1/8" Thru 86" Height Cedar Board N' Batten Wood Shutter <i>For Arched Tops, Add</i>	1,141.56 65.00	43.73
10 71	13	13-0401	Accessories <small>(10 71 13 13)</small>		
10 71	13	13-0402	PR Surface Mounted Pintel, Stainless Steel.....	58.68	
10 71	13	13-0403	PR Lag Pintel, Stainless Steel.....	58.68	
10 71	13	13-0404	PR 10" Strap Hinge, Stainless Steel.....	88.48	
10 71	13	13-0405	PR 6" L-Hinge, Stainless Steel.....	81.56	
10 71	13	13-0406	PR Hinge Set, Galvanized And Painted.....	73.63	
10 71	13	13-0407	PR Acorn Holdback.....	69.00	
10 71	13	13-0408	PR 'S' Holdback, Stainless Steel.....	57.81	
10 71	13	13-0409	PR 'S' Holdback, Galvanized And Painted.....	54.36	
10 73			Protective Covers <small>(10 73)</small>		
10 73	13		Awnings <small>(10 73)</small>		
10 73	13	13	Metal Awnings <small>(10 73 13)</small>		
10 73	13	13-0001	Metal Awnings <small>(10 73 13 13)</small> Note: Includes metal cover, frame supports and anchoring.		
10 73	13	13-0002	SF Ribbed Aluminum Window Awnings, Clear Weather Resistant Finish.....	30.57	6.99
10 73	13	13-0003	SF Ribbed Aluminum Window Awning, Baked Enamel Finish.....	27.16	6.26
10 73	13	13-0004	SF Flat Roofed Steel Awning (Per SF Of Covered Area).....	72.91	7.27
10 73	13	13-0005	SF Arched Roofed Steel Awning (Per SF Of Covered Area).....	75.50	8.17
10 73	13	23	Fabric Awnings <small>(10 73 13)</small>		
10 73	13	23-0001	Canvas Awnings <small>(10 73 13 23)</small> Note: Includes minimum 12 oz. canvas, frame supports and anchoring.		
10 73	13	23-0002	SF Canvas Awning, Waterproof Fabric Tubular Metal Framing.....	28.17	5.87
10 73	13	23-0003	SF Side Protection Canvas For Walkways (Per SF Of Wall Area).....	14.99	1.90
10 73	13	23-0004	SF Replacement Canvas For Awnings..... Note: Includes removal of existing canvas cover. <i>For 18 Oz. Vinyl Laminated Polyester Cover, Add</i>	16.74 0.48	
10 73	16		Canopies <small>(10 73)</small>		
10 73	16	13	Metal Canopies <small>(10 73 16)</small>		
10 73	16	13-0001	Canopies, Wall Hung, Aluminum Framed And Covered, Prefinished <small>(10 73 16 13)</small> Note: Includes cover, frame supports and anchoring.		
10 73	16	13-0002	EA 8' x 10' Canopy, Aluminum, Wall Hung.....	2,893.86	445.28
10 73	16	13-0003	EA 8' x 20' Canopy, Aluminum, Wall Hung.....	5,107.59	712.62
10 73	16	13-0004	EA 10' x 10' Canopy, Aluminum, Wall Hung.....	3,582.72	557.14
10 73	16	13-0005	EA 10' x 20' Canopy, Aluminum, Wall Hung.....	5,934.56	745.01
10 73	26		Walkway Coverings <small>(10 73)</small> Note: Pre-engineered includes all framing and steel supports, integral gutter system. Excludes foundations.		
10 73	26	13	Metal Walkway Coverings <small>(10 73 26)</small>		

10	Specialties
10 70	Exterior Specialties
10 73	Protective Covers



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 73 26 13-0001 Steel Walkway/Parking Covers <small>(10 73 26 13)</small> Note: Factory applied polyester finish.		
10 73 26 13-0002 SF Flat Roofed Steel Walkway/Parking Cover Note: Includes factory applied polyester finish.	39.91	6.42
For Snow Load (30 PSF), Add	10.82	
For Wind Load (140 MPH), Add	13.53	
10 73 26 13-0003 SF Arch Roofed Steel Walkway/Parking Cover Note: Includes factory applied polyester finish.	42.58	6.93
For Snow Load (30 PSF), Add	11.50	
For Wind Load (140 MPH), Add	14.37	
10 73 26 13-0004 Aluminum Walkway/Parking Covers <small>(10 73 26 13)</small>		
10 73 26 13-0005 SF Flat Roofed Aluminum Walkway/Parking Cover Note: Includes factory applied polyester finish.	26.90	6.42
For Snow Load (30 PSF), Add	5.62	
For Wind Load (140 MPH), Add	7.02	
10 73 26 13-0006 SF Arch Roofed Aluminum Walkway/Parking Cover Note: Includes factory applied polyester finish.	29.16	6.93
For Snow Load (30 PSF), Add	6.13	
For Wind Load (140 MPH), Add	7.66	
10 75 Flagpoles <small>(10 75)</small> Note: Metal bases are installed in a concrete base and fully rigged. Heights indicated are from ground to top of installed flag pole. Uninstalled lengths are longer. Includes top ball (color and material similar to pole), cleats and cleat cover, all caulking and sealants, and hoisting into place. Excludes excavation and concrete. See CSI section 10 75 16 00-0021 for bases.		
10 75 16 Ground-Set Flagpoles <small>(10 75)</small>		
10 75 16 00-0001 Free Standing Tapered Fiberglass Flagpoles <small>(10 75 16)</small>		
10 75 16 00-0002 EA 25' Exposed Height, Tapered White Fiberglass Flagpole Note: 6" butt diameter, 3" top diameter and 0.180" wall.	3,420.93	664.58
For Internal Halyard, Cam System, Add	300.00	
For Bronze Finish, Add	20.00	
For Rope Lock Box, Add	96.00	
10 75 16 00-0003 EA 30' Exposed Height, Tapered White Fiberglass Flagpole Note: 6-1/2" butt diameter, 3" top diameter and 0.180" wall.	3,647.92	725.00
For Internal Halyard, Cam System, Add	300.00	
For Bronze Finish, Add	50.00	
For Rope Lock Box, Add	96.00	
10 75 16 00-0004 EA 35' Exposed Height, Tapered White Fiberglass Flagpole Note: 7" butt diameter, 3" top diameter and 0.200" wall.	4,629.90	845.82
For Internal Halyard, Cam System, Add	300.00	
For Bronze Finish, Add	10.00	
For Rope Lock Box, Add	96.00	
10 75 16 00-0005 EA 40' Exposed Height, Tapered White Fiberglass Flagpole Note: 7" butt diameter, 3" top diameter and 0.200" wall.	5,380.89	966.66
For Internal Halyard, Cam System, Add	300.00	
For Bronze Finish, Add	50.00	
For Rope Lock Box, Add	96.00	
10 75 16 00-0006 EA 50' Exposed Height, Tapered White Fiberglass Flagpole Note: 10" butt diameter, 4-1/2" top diameter and 0.275" wall.	10,388.88	1,087.49
For Internal Halyard, Winch System, Add	1,700.00	
For Bronze Finish, Add	200.00	
For Rope Lock Box, Add	96.00	
10 75 16 00-0007 EA 60' Exposed Height, Tapered White Fiberglass Flagpole Note: 10-1/2" butt diameter, 4-1/2" top diameter and 0.300" wall.	12,415.87	1,208.33
For Internal Halyard, Winch System, Add	1,900.00	
For Bronze Finish, Add	160.00	
For Rope Lock Box, Add	96.00	
10 75 16 00-0008 EA 70' Exposed Height, Tapered White Fiberglass Flagpole Note: 16" butt diameter, 7" top diameter and 0.325" wall.	21,812.84	1,329.15
For Internal Halyard, Winch System, Add	2,860.00	
For Bronze Finish, Add	700.00	
For Rope Lock Box, Add	96.00	
10 75 16 00-0009 EA 78' Exposed Height, Tapered White Fiberglass Flagpole Note: 10-3/4" butt diameter, 7" top diameter and 0.350" wall.	28,415.84	1,449.99
For Internal Halyard, Winch System, Add	2,900.00	
For Bronze Finish, Add	900.00	
For Rope Lock Box, Add	96.00	
10 75 16 00-0010 Free Standing Tapered Aluminum Flagpoles <small>(10 75 16)</small> Note: Heavy duty.		
10 75 16 00-0011 EA 20' Exposed Height, Tapered Satin Aluminum Flagpole Note: 5" butt diameter, 3" top diameter and 0.188" wall.	2,621.93	604.16
For Internal Halyard, Winch System, Add	570.00	
For Clear Anodized Finish, Add	150.00	
For Bronze Anodized Finish, Add	180.00	
For Black Anodized Finish, Add	230.00	
For Rope Lock Box, Add	96.00	



Specialties	10	10
Exterior Specialties	10 70	
Flagpoles	10 75	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 75 16 00-0012 EA 25' Exposed Height, Tapered Satin Aluminum Flagpole..... Note: 5-1/2" butt diameter, 3-1/2" top diameter and 0.188" wall. For Internal Halyard, Winch System, Add For Clear Anodized Finish, Add For Bronze Anodized Finish, Add For Black Anodized Finish, Add For Rope Lock Box, Add	3,134.93 1,100.00 200.00 230.00 320.00 96.00	664.58
10 75 16 00-0013 EA 30' Exposed Height, Tapered Satin Aluminum Flagpole..... Note: 6" butt diameter, 3-1/2" top diameter and 0.188" wall. For Internal Halyard, Winch System, Add For Clear Anodized Finish, Add For Bronze Anodized Finish, Add For Black Anodized Finish, Add For Rope Lock Box, Add	3,482.92 1,390.00 300.00 375.00 450.00 96.00	725.00
10 75 16 00-0014 EA 35' Exposed Height, Tapered Satin Aluminum Flagpole..... Note: 7" butt diameter, 3-1/2" top diameter and 0.188" wall. For Internal Halyard, Winch System, Add For Clear Anodized Finish, Add For Bronze Anodized Finish, Add For Black Anodized Finish, Add For Rope Lock Box, Add	4,442.90 1,340.00 290.00 360.00 480.00 96.00	845.82
10 75 16 00-0015 EA 40' Exposed Height, Tapered Satin Aluminum Flagpole..... Note: 8" butt diameter, 3-1/2" top diameter and 0.188" wall. For Internal Halyard, Winch System, Add For Clear Anodized Finish, Add For Bronze Anodized Finish, Add For Black Anodized Finish, Add For Rope Lock Box, Add	5,512.89 1,490.00 390.00 480.00 660.00 96.00	966.66
10 75 16 00-0016 EA 45' Exposed Height, Tapered Satin Aluminum Flagpole..... Note: 8" butt diameter, 3-1/2" top diameter and 0.188" wall. For Internal Halyard, Winch System, Add For Clear Anodized Finish, Add For Bronze Anodized Finish, Add For Black Anodized Finish, Add For Rope Lock Box, Add	6,113.89 1,340.00 400.00 500.00 700.00 96.00	1,027.08
10 75 16 00-0017 EA 50' Exposed Height, Tapered Satin Aluminum Flagpole..... Note: 10" butt diameter, 4" top diameter and 0.188" wall. For Internal Halyard, Winch System, Add For Clear Anodized Finish, Add For Bronze Anodized Finish, Add For Black Anodized Finish, Add For Rope Lock Box, Add	7,737.88 1,380.00 700.00 860.00 1,130.00 96.00	1,087.49
10 75 16 00-0018 EA 60' Exposed Height, Tapered Satin Aluminum Flagpole..... Note: 12" butt diameter, 4" top diameter and 0.250" wall. For Internal Halyard, Winch System, Add For Clear Anodized Finish, Add For Bronze Anodized Finish, Add For Black Anodized Finish, Add For Rope Lock Box, Add	13,438.87 1,800.00 620.00 820.00 1,160.00 96.00	1,208.33
10 75 16 00-0019 EA 70' Exposed Height, Tapered Satin Aluminum Flagpole..... Note: 12" butt diameter, 4" top diameter and 0.250" wall. For Internal Halyard, Winch System, Add For Clear Anodized Finish, Add For Bronze Anodized Finish, Add For Black Anodized Finish, Add For Rope Lock Box, Add	14,706.84 1,720.00 710.00 950.00 1,360.00 96.00	1,329.15
10 75 16 00-0020 EA 80' Exposed Height, Tapered Satin Aluminum Flagpole..... Note: 12" butt diameter, 4" top diameter and 0.375" wall. For Internal Halyard, Winch System, Add For Clear Anodized Finish, Add For Bronze Anodized Finish, Add For Black Anodized Finish, Add For Rope Lock Box, Add	18,449.84 2,600.00 1,100.00 1,380.00 1,840.00 96.00	1,449.99
10 75 16 00-0021 Flagpole Bases (10 75 16)		
10 75 16 00-0022 Flagpole Concrete Base (10 75 16 00-0021) Note: Includes excavation, forms where necessary, steel casing and reinforcing, metal collar installation, base plate, sand fill, ground spike, concrete and finishing of concrete.		
10 75 16 00-0023 EA 30' Or Less Flagpole, Poured Concrete Foundation	1,110.12	
10 75 16 00-0024 EA 35' Flagpole, Poured Concrete Foundation	1,148.51	
10 75 16 00-0025 EA 40' Flagpole, Poured Concrete Foundation	1,320.43	
10 75 16 00-0026 EA 45' Flagpole, Poured Concrete Foundation	1,397.11	
10 75 16 00-0027 EA 50' Flagpole, Poured Concrete Foundation	1,674.52	
10 75 16 00-0028 EA 60' Flagpole, Poured Concrete Foundation	2,028.01	
10 75 16 00-0029 EA 70' Flagpole, Poured Concrete Foundation	2,401.73	
10 75 16 00-0030 EA 80' Flagpole, Poured Concrete Foundation	2,796.85	
10 75 16 00-0031 EA 90' To 100' Flagpole, Poured Concrete Foundation.....	3,265.88	
10 75 16 00-0032 Direct Embedded Flagpole Base (10 75 16 00-0021) Note: Augured in place, no concrete required.		
10 75 16 00-0033 EA 20' To 25' Flagpole, Direct Embedded Pole Base.....	519.41	
10 75 16 00-0034 EA 30' To 40' Flagpole, Direct Embedded Pole Base.....	745.58	
10 75 16 00-0035 EA 45' To 55' Flagpole, Direct Embedded Pole Base.....	832.32	

10	Specialties
10 70	Exterior Specialties
10 75	Flagpoles



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 75 16 00-0036 EA 60' To 70' Flagpole, Direct Embedded Pole Base.....	937.49	
10 75 16 00-0037 Flagpole Accessories (10 75 16)		
10 75 16 00-0038 Flagpole Tops (10 75 16 00-0037)		
Note: To be used on renovation of existing flagpole. Do not use in conjunction with installation of new flagpoles.		
10 75 16 00-0039 EA 4" Gold Anodized Aluminum Ball For Top Of Flagpole	107.66	38.44
10 75 16 00-0040 EA 5" Gold Anodized Aluminum Ball For Top Of Flagpole	117.68	40.69
10 75 16 00-0041 EA 6" Gold Anodized Aluminum Ball For Top Of Flagpole	132.11	42.95
10 75 16 00-0042 EA 8" Gold Anodized Aluminum Ball For Top Of Flagpole	174.03	45.22
10 75 16 00-0043 EA 10" Gold Anodized Aluminum Ball For Top Of Flagpole	231.35	47.48
10 75 16 00-0044 EA 12" Gold Anodized Aluminum Ball For Top Of Flagpole	258.98	49.73
10 75 16 00-0045 EA 11-1/4" Aluminum Flying Eagle Mounted On A Spindle For Flagpole Top, Gold Finish.....	235.87	49.73
10 75 16 00-0046 EA 15" Aluminum Flying Eagle Mounted On A Spindle For Flagpole Top, Gold Finish.....	274.74	56.51
10 75 16 00-0047 Flagpole Accessories (10 75 16 00-0037)		
Note: To be used on renovation of existing flagpole. Do not use in conjunction with installation of new flagpoles.		
10 75 16 00-0048 LF 5/16" Diameter, Nylon Halyard (Rope) With Wire Center For Flagpoles.....	0.74	0.07
10 75 16 00-0049 LF 5/16" Diameter, Solid Braided Multifilament Polypropylene Halyard (Rope) For Flagpoles	0.38	0.07
10 75 16 00-0050 LF 5/16" Diameter, Nylon Halyard (Rope) For Flagpoles.....	0.30	0.07
10 75 16 00-0051 LF 3/8" Diameter, Nylon Halyard (Rope) With Wire Center For Flagpoles.....	0.98	0.07
10 75 16 00-0052 EA Refinish Existing Flagpole Ball.....	301.24	113.00
10 75 16 00-0053 EA Locking Aluminum Cleat Box For Flagpoles	272.05	67.80
10 75 16 00-0054 EA Aluminum Cleat For Flagpoles.....	23.01	4.51
10 75 16 00-0055 LF 1/8" Diameter, 7x7 Galvanized Wire Rope For Flagpoles.....	0.50	0.09
10 75 23 Wall-Mounted Flagpoles (10 75)		
10 75 23 00-0001 Vertical, Wall/Roof Mounted Tapered Aluminum Flagpoles (10 75 23)		
Note: Includes aluminum brackets, 3" butt diameter and 0.125" wall.		
10 75 23 00-0002 EA 14' Height, Vertical Wall/Roof Mounted Tapered Aluminum Flagpole, Satin Finish.....	1,686.93	529.96
For Clear Anodized Finish, Add	60.00	
For Bronze Anodized Finish, Add	80.00	
For Black Anodized Finish, Add	90.00	
For Rope Lock Box, Add	96.00	
10 75 23 00-0003 EA 17' Height, Vertical Wall/Roof Mounted Tapered Aluminum Flagpole, Satin Finish.....	1,825.93	582.96
For Clear Anodized Finish, Add	70.00	
For Bronze Anodized Finish, Add	80.00	
For Black Anodized Finish, Add	100.00	
For Rope Lock Box, Add	96.00	
10 75 23 00-0004 EA 20' Height, Vertical Wall/Roof Mounted Tapered Aluminum Flagpole, Satin Finish.....	1,975.92	635.96
For Clear Anodized Finish, Add	70.00	
For Bronze Anodized Finish, Add	110.00	
For Black Anodized Finish, Add	120.00	
For Rope Lock Box, Add	96.00	
10 75 23 00-0005 EA 25' Height, Vertical Wall/Roof Mounted Tapered Aluminum Flagpole, Satin Finish.....	2,286.90	741.95
For Clear Anodized Finish, Add	70.00	
For Bronze Anodized Finish, Add	90.00	
For Black Anodized Finish, Add	100.00	
For Rope Lock Box, Add	96.00	
10 75 23 00-0006 Outrigger, Wall Mounted Tapered Aluminum Flagpoles (10 75 23)		
Note: Includes aluminum base, 3-1/2" butt diameter and 0.125" wall.		
10 75 23 00-0007 EA 10' (3.0 m) Outrigger, Tapered Aluminum Flagpole, Satin Finish	2,317.94	476.97
For Rope Lock Box, Add	96.00	
10 75 23 00-0008 EA 15' (4.6 m) Outrigger, Tapered Aluminum Flagpole, Satin Finish	2,489.93	529.96
For Rope Lock Box, Add	96.00	
10 75 23 00-0009 EA 20' (6.1 m) Outrigger, Tapered Aluminum Flagpole, Satin Finish	2,745.92	635.96
For Rope Lock Box, Add	96.00	
10 80 Other Specialties (10)		
10 81 Pest Control Devices (10 80)		
10 81 13 Bird Control Devices (10 81)		
10 81 13 00-0001 Stainless Steel Spiked Bird Barrier (10 81 13)		
Note: Stainless steel spikes with flexible polycarbonate base.		
10 81 13 00-0002 LF 2-1/2" To 3" Wide Stainless Steel Spikes And Polycarbonate Base Bird Deterrent System	6.97	0.72
10 81 13 00-0003 LF 4-1/2" To 5" Wide Stainless Steel Spikes And Polycarbonate Base Bird Deterrent System	7.63	0.72
10 81 13 00-0004 LF 8" Wide Stainless Steel Spikes And Polycarbonate Base Bird Deterrent System.....	10.15	0.72
10 81 13 00-0005 Polycarbonate Spiked Bird Barrier (10 81 13)		
Note: Polycarbonate spikes and base.		
10 81 13 00-0006 LF 3" Wide Polycarbonate Spikes And Base Bird Deterrent System	5.36	0.72
10 81 13 00-0007 LF 5" Wide Polycarbonate Spikes And Base Bird Deterrent System	6.49	0.72
10 81 13 00-0008 LF 8" Wide Polycarbonate Spikes And Base Bird Deterrent System	7.77	0.72



Specialties	10
Other Specialties	10 80
Pest Control Devices	10 81

10

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 81 13 00-0009 Spiked Gutter Or Girder Bird Barrier <small>(10 81 13)</small> Note: Stainless steel spikes with flexible polycarbonate base mounted to gutter or girder. Includes aluminum clamps.		
10 81 13 00-0010 LF Stainless Steel Spikes And Polycarbonate Base Bird Deterrent System For Gutter Or Girder Application	5.98	0.72
10 81 13 00-0011 Coil Bird Barrier <small>(10 81 13)</small> Note: Stainless steel coil.		
10 81 13 00-0012 LF 4" Diameter Stainless Steel Coil Bird Deterrent System	4.42	0.72
10 81 13 00-0013 LF 5" Diameter Stainless Steel Coil Bird Deterrent System	5.15	0.72
10 81 13 00-0014 Spider Bird Barrier <small>(10 81 13)</small> Note: Stainless steel arms with various bases.		
10 81 13 00-0015 EA 2" Diameter Stainless Steel Spider Bird Deterrent System	82.77	0.72
10 81 13 00-0016 EA 4" Diameter Stainless Steel Spider Bird Deterrent System	102.39	0.72
10 81 13 00-0017 EA 8" Diameter Stainless Steel Spider Bird Deterrent System	119.93	0.72
10 81 13 00-0018 Oriented Flexible Flame Resistant Netting <small>(10 81 13)</small> Note: Includes stainless steel rings and plastic ties. See CSI section 05 15 16 00-0000 for wire rope and mounting hardware.		
10 81 13 00-0019 SF 1/8" x 1/8" Mesh Flexible Polypropylene Netting	0.66	0.29
Note: To control bird and marine predators.		
10 81 13 00-0020 SF 1/4" x 1/4" Mesh Flexible Polypropylene Netting	0.65	0.29
Note: To control bird and marine predators.		
10 81 13 00-0021 SF 1/2" x 1/2" Mesh Flexible Polypropylene Netting	0.64	0.29
Note: To control bird and marine predators.		
10 81 13 00-0022 SF 3/4" x 3/4" Mesh Flexible Polypropylene Netting	0.63	0.29
Note: To control bird and marine predators.		
10 81 13 00-0023 SF 1" x 1" Mesh Flexible Polypropylene Netting	0.63	0.29
Note: To control bird and marine predators.		
10 81 13 00-0024 SF 1-1/8" x 1-1/8" Mesh Flexible Polypropylene Netting	0.63	0.29
Note: To control bird and marine predators.		
10 81 13 00-0025 SF 2" x 2" Mesh Flexible Polypropylene Netting	0.62	0.29
Note: To control bird and marine predators.		
10 81 13 00-0026 SF 3" x 3" Mesh Flexible Polypropylene Netting	0.62	0.29
Note: To control bird and marine predators.		
10 81 13 00-0027 SF 4" x 4" Mesh Flexible Polypropylene Netting	0.61	0.29
Note: To control bird and marine predators.		
10 81 13 00-0028 SF 5/8" x 3/4" Mesh Flexible Polypropylene Netting	0.64	0.29
Note: To control bird and marine predators.		
10 81 13 00-0029 SF 1-1/4" x 1-1/2" Mesh Flexible Polypropylene Netting	0.63	0.29
Note: To control bird and marine predators.		
10 81 13 00-0030 EA Poly Clips For Flexible Netting	2.25	
10 81 13 00-0031 Netting Accessories <small>(10 81 13)</small>		
10 81 13 00-0032 EA 2' Zipper For Flexible Netting	4.56	
10 81 13 00-0033 EA 4' Zipper For Flexible Netting	6.87	
10 81 13 00-0034 EA 6' Zipper For Flexible Netting	8.09	
10 81 13 00-0035 EA 8' Zipper For Flexible Netting	11.50	
10 86 Security Mirrors And Domes <small>(10 86)</small>		
10 86 00 00-0001 Dome Mirrors <small>(10 86)</small> Note: Includes all mounting hardware. Indoor or outdoor applications.		
10 86 00 00-0002 Steel Dome Mirrors <small>(10 86 00 00-0001)</small>		
10 86 00 00-0003 EA 9" Diameter Full-Dome Steel Dome Mirror	169.04	18.09
10 86 00 00-0004 EA 12" Diameter Full-Dome Steel Dome Mirror	197.43	18.99
10 86 00 00-0005 EA 18" Diameter Full-Dome Steel Dome Mirror	227.61	20.80
10 86 00 00-0006 EA 24" Diameter Full-Dome Steel Dome Mirror	300.56	22.60
10 86 00 00-0007 EA 9" Diameter Half-Dome Steel Dome Mirror	121.41	13.56
10 86 00 00-0008 EA 12" Diameter Half-Dome Steel Dome Mirror	139.40	14.47
10 86 00 00-0009 EA 18" Diameter Half-Dome Steel Dome Mirror	162.21	15.82
10 86 00 00-0010 EA 24" Diameter Half-Dome Steel Dome Mirror	222.69	17.18
10 86 00 00-0011 Plexiglas Dome Mirrors <small>(10 86 00 00-0001)</small>		
10 86 00 00-0012 EA 18" Diameter Full-Dome Plexiglas Dome Mirror	135.76	20.80
10 86 00 00-0013 EA 26" Diameter Full-Dome Plexiglas Dome Mirror	187.33	22.60
10 86 00 00-0014 EA 32" Diameter Full-Dome Plexiglas Dome Mirror	245.40	26.22
10 86 00 00-0015 EA 36" Diameter Full-Dome Plexiglas Dome Mirror	296.69	31.65
10 86 00 00-0016 EA 48" Diameter Full-Dome Plexiglas Dome Mirror	432.43	45.22
10 86 00 00-0017 EA 18" Diameter Half-Dome Plexiglas Dome Mirror	85.15	15.82
10 86 00 00-0018 EA 26" Diameter Half-Dome Plexiglas Dome Mirror	112.12	17.18
10 86 00 00-0019 EA 32" Diameter Half-Dome Plexiglas Dome Mirror	145.96	19.90
10 86 00 00-0020 EA 36" Diameter Half-Dome Plexiglas Dome Mirror	179.64	23.96

10 Specialties**10 80 Other Specialties****10 86 Security Mirrors And Domes**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 86 00 00-0021 EA 48" Diameter Half-Dome Plexiglas Dome Mirror	282.72	33.91
10 86 00 00-0022 EA 18" Diameter Quarter-Dome Plexiglas Dome Mirror	57.17	13.56
10 86 00 00-0023 EA 26" Diameter Quarter-Dome Plexiglas Dome Mirror	71.79	14.92
10 86 00 00-0024 EA 32" Diameter Quarter-Dome Plexiglas Dome Mirror	92.50	16.73
10 86 00 00-0025 EA 36" Diameter Quarter-Dome Plexiglas Dome Mirror	114.65	19.90
10 86 00 00-0026 EA 48" Diameter Quarter-Dome Plexiglas Dome Mirror	187.07	28.26
10 86 00 00-0027 Coated Plexiglas Dome Mirrors (10 86 00 00-0001)		
10 86 00 00-0028 EA 18" Diameter Full-Dome Coated Plexiglas Dome Mirror	159.44	20.80
10 86 00 00-0029 EA 26" Diameter Full-Dome Coated Plexiglas Dome Mirror	240.48	22.60
10 86 00 00-0030 EA 36" Diameter Full-Dome Coated Plexiglas Dome Mirror	402.99	31.65
10 86 00 00-0031 EA 48" Diameter Full-Dome Coated Plexiglas Dome Mirror	618.45	45.22
10 86 00 00-0032 EA 18" Diameter Half-Dome Coated Plexiglas Dome Mirror	105.02	15.82
10 86 00 00-0033 EA 26" Diameter Half-Dome Coated Plexiglas Dome Mirror	152.21	17.18
10 86 00 00-0034 EA 36" Diameter Half-Dome Coated Plexiglas Dome Mirror	238.56	23.96
10 86 00 00-0035 EA 48" Diameter Half-Dome Coated Plexiglas Dome Mirror	391.33	33.91
10 86 00 00-0036 EA 18" Diameter Quarter-Dome Coated Plexiglas Dome Mirror	77.62	13.56
10 86 00 00-0037 EA 26" Diameter Quarter-Dome Coated Plexiglas Dome Mirror	106.22	14.92
10 86 00 00-0038 EA 32" Diameter Quarter-Dome Coated Plexiglas Dome Mirror	135.94	16.73
10 86 00 00-0039 EA 36" Diameter Quarter-Dome Coated Plexiglas Dome Mirror	173.81	19.90
10 86 00 00-0040 EA 48" Diameter Quarter-Dome Coated Plexiglas Dome Mirror	270.26	28.26
10 86 00 00-0041 Circular Convex Security Mirrors (10 86)		
Note: Includes all mounting hardware.		
10 86 00 00-0042 Plexiglas Circular Convex Mirrors (10 86 00 00-0041)		
Note: Indoor models have a tempered hardboard backing. Outdoor models have a waterproof edge and back, rustproof hardware with backed-on enamel finish.		
10 86 00 00-0043 EA 12" Diameter Plexiglas Circular Convex Mirrors, Indoor	61.29	14.47
10 86 00 00-0044 EA 18" Diameter Plexiglas Circular Convex Mirrors, Indoor	77.75	15.82
10 86 00 00-0045 EA 26" Diameter Plexiglas Circular Convex Mirrors, Indoor	113.39	17.18
10 86 00 00-0046 EA 30" Diameter Plexiglas Circular Convex Mirrors, Indoor	140.65	19.90
10 86 00 00-0047 EA 36" Diameter Plexiglas Circular Convex Mirrors, Indoor	185.41	23.96
10 86 00 00-0048 EA 48" Diameter Plexiglas Circular Convex Mirrors, Indoor	322.01	33.91
10 86 00 00-0049 EA 18" Diameter Plexiglas Circular Convex Mirrors, Outdoor	97.28	15.82
10 86 00 00-0050 EA 26" Diameter Plexiglas Circular Convex Mirrors, Outdoor	136.50	17.18
10 86 00 00-0051 EA 36" Diameter Plexiglas Circular Convex Mirrors, Outdoor	194.66	23.96
10 86 00 00-0052 EA 48" Diameter Plexiglas Circular Convex Mirrors, Outdoor	349.74	33.91
10 86 00 00-0053 Coated Plexiglas Circular Convex Mirrors (10 86 00 00-0041)		
Note: Indoor models have a tempered hardboard backing. Outdoor models have a waterproof edge and back, rustproof hardware with backed-on enamel finish.		
10 86 00 00-0054 EA 18" Diameter Coated Plexiglas Circular Convex Mirrors, Indoor	115.30	15.82
10 86 00 00-0055 EA 26" Diameter Coated Plexiglas Circular Convex Mirrors, Indoor	176.47	17.18
10 86 00 00-0056 EA 30" Diameter Coated Plexiglas Circular Convex Mirrors, Indoor	235.04	19.90
10 86 00 00-0057 EA 36" Diameter Coated Plexiglas Circular Convex Mirrors, Indoor	292.86	23.96
10 86 00 00-0058 EA 48" Diameter Coated Plexiglas Circular Convex Mirrors, Indoor	424.84	33.91
10 86 00 00-0059 EA 18" Diameter Coated Plexiglas Circular Convex Mirrors, Outdoor	136.44	15.82
10 86 00 00-0060 EA 26" Diameter Coated Plexiglas Circular Convex Mirrors, Outdoor	206.51	17.18
10 86 00 00-0061 EA 30" Diameter Coated Plexiglas Circular Convex Mirrors, Outdoor	284.72	19.90
10 86 00 00-0062 EA 36" Diameter Coated Plexiglas Circular Convex Mirrors, Outdoor	322.91	23.96
10 86 00 00-0063 EA 48" Diameter Coated Plexiglas Circular Convex Mirrors, Outdoor	509.18	33.91
10 86 00 00-0064 Security Mirrors (10 86)		
10 86 00 00-0065 EA 8" x 10" Framed Stainless Steel Mirror With Mounting Plate	84.20	29.69
10 86 00 00-0066 EA 10" x 14" Framed Stainless Steel Mirror With Mounting Plate	91.37	29.69
10 86 00 00-0067 EA 16" x 20" Unframed Stainless Steel Mirror With Mounting Screws	144.83	24.74
10 86 00 00-0068 EA 8" x 10" Framed Stainless Steel Replacement Mirror	75.59	29.69
10 86 00 00-0069 EA 10" x 14" Framed Stainless Steel Replacement Mirror	106.15	29.69

END OF SECTION 10



Equipment	11	
Operation And Maintenance Of Equipment	11 01	11
Operation And Maintenance Of Vehicle And Pedestrian Equipment	11 01 10	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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11 Equipment

11 01 Operation And Maintenance Of Equipment ⁽¹¹⁾

11 01 10 Operation And Maintenance Of Vehicle And Pedestrian Equipment ^(11 01)

11 01 10 00-0001 Replacement Parking Equipment ^(11 01 10)

11 01 10 00-0002	EA	10' Wood Arm Replacement With Bolts	315.72	
11 01 10 00-0003	EA	12' Wood Arm Replacement With Bolts	331.27	
11 01 10 00-0004	EA	14' Wood Arm Replacement With Bolts	348.88	
11 01 10 00-0005	EA	12' Aluminum Arm Replacement With Bolts	458.90	
11 01 10 00-0006	EA	14' Aluminum Arm Replacement With Bolts	475.50	
11 01 10 00-0007	EA	16' Aluminum Arm Replacement With Bolts	670.75	
11 01 10 00-0008	EA	18' Aluminum Arm Replacement With Bolts	681.49	
11 01 10 00-0009	EA	20' Aluminum Arm Replacement With Bolts	701.03	
11 01 10 00-0010	EA	22' Aluminum Arm Replacement With Bolts	805.01	
11 01 10 00-0011	EA	24' Aluminum Arm Replacement With Bolts	819.12	

11 10 Vehicle And Pedestrian Equipment ⁽¹¹⁾

11 11 Vehicle Service Equipment ^(11 10)

11 11 19 Vehicle Lubrication Equipment ^(11 11)

11 11 19 00-0001 Lube Equipment ^(11 11 19)

11 11 19 00-0002 Hose Reels With Pumps, Not Including Piping ^(11 11 19 00-0001)

11 11 19 00-0003	EA	1 Reel Hose Reel With Pump, Not Including Piping	3,931.55	1,662.54
11 11 19 00-0004	EA	2 Reel Hose Reel With Pump, Not Including Piping	4,704.48	1,939.25
11 11 19 00-0005	EA	3 Reel Hose Reel With Pump, Not Including Piping	5,577.44	2,214.63
11 11 19 00-0006	EA	4 Reel Hose Reel With Pumps, Not Including Piping	6,400.02	2,492.06
11 11 19 00-0007	EA	5 Reel Hose Reel With Pumps, Not Including Piping	7,226.44	2,766.93
11 11 19 00-0008	EA	Diesel Refueling Station, Including Valves, Hose, Nozzle And Stand	4,710.19	1,333.31
11 11 19 00-0009	EA	Lube Station, Including Valves, Hose, Nozzle And Stand	3,972.75	1,230.74

11 11 19 00-0010 Wash Reels And Supports ^(11 11 19)

11 11 19 00-0011	EA	Hose Reel With 100' Hose, 1-1/2" High Pressure Hose	1,576.59	122.29
11 11 19 00-0012	EA	Wash Station Support	721.33	182.73

11 11 19 00-0013 Pneumatic Powered Pump ^(11 11 19)

Note: Excludes air compressor.

11 11 19 00-0014	EA	Pumping Unit - Oil/Gear Lube	2,727.68	92.83
11 11 19 00-0015	EA	Pumping Unit - Grease	3,744.46	92.83

11 11 19 00-0016 Pumping Unit Accessories ^(11 11 19)

11 11 19 00-0017	EA	Hose Reel - 1,000 PSI- Oil/Lube	1,871.22	69.64
11 11 19 00-0018	EA	Hose Reel - 5,000 PSI- Grease	2,130.50	69.64
11 11 19 00-0019	EA	Hose Reel - 160 PSI- Air	1,418.75	69.64
11 11 19 00-0020	EA	Control Valve - Oil/Lube	789.86	34.88
11 11 19 00-0021	EA	Control Valve - Grease	433.99	34.88

11 11 26 Vehicle-Washing Equipment ^(11 11)

Note: Complete equipment and installation for system. Excludes earthwork, concrete foundation, walls or housing.

11 11 26 00-0001 Brushless Type ^(11 11 26)

11 11 26 00-0002	EA	30' Vehicle Wash Equipment, Brushless	207,404.93	
11 11 26 00-0003	EA	50' Vehicle Wash Equipment, Brushless	231,645.65	
11 11 26 00-0004	EA	100' Vehicle Wash Equipment, Brushless	299,995.59	
11 11 26 00-0005	EA	130' Vehicle Wash Equipment, Brushless	351,473.69	

11 11 26 00-0006 Brush Type ^(11 11 26)

11 11 26 00-0007	EA	30' Vehicle Wash Equipment, Brush	137,464.38	
11 11 26 00-0008	EA	50' Vehicle Wash Equipment, Brush	167,523.15	
11 11 26 00-0009	EA	100' Vehicle Wash Equipment, Brush	240,794.69	
11 11 26 00-0010	EA	130' Vehicle Wash Equipment, Brush	296,108.87	

11 11 26 00-0011 High Pressure Water System ^(11 11 26)

11 11 26 00-0012	EA	High Pressure Water Equipment	49,667.84	
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11	11	Equipment
	11 10	Vehicle And Pedestrian Equipment
	11 11	Vehicle Service Equipment



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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11 11 26 00-0013 Car Wash Package Water Heater, Gas Fired ^(11 11 26)
 Note: Continuous duty, high recovery.

11 11 26 00-0014	EA	180 MBH Car Wash Water Heater, 174 GPH.....	5,698.61	
11 11 26 00-0015	EA	280 MBH Car Wash Water Heater, 270 GPH.....	6,139.14	
11 11 26 00-0016	EA	400 MBH Car Wash Water Heater, 386 GPH.....	7,011.87	
11 11 26 00-0017	EA	480 MBH Car Wash Water Heater, 464 GPH.....	7,448.68	
11 11 26 00-0018	EA	605 MBH Car Wash Water Heater, 584 GPH.....	8,587.38	
11 11 26 00-0019	EA	700 MBH Car Wash Water Heater, 676 GPH.....	9,220.42	
11 11 26 00-0020	EA	1,000 MBH Car Wash Water Heater, 966 GPH.....	10,391.19	
11 11 26 00-0021	EA	1,200 MBH Car Wash Water Heater, 1,159 GPH.....	13,884.95	
11 11 26 00-0022	EA	1,400 MBH Car Wash Water Heater, 1,353 GPH.....	15,228.47	

11 12 Parking Control Equipment ^(11 10)

11 12 16 Parking Ticket Dispensers ^(11 12)

11 12 16 00-0001 Parking Ticket Dispensers ^(11 12 16)

11 12 16 00-0002	EA	Standard Parking Ticket Dispenser With Printer.....	5,516.91	187.01
11 12 16 00-0003	EA	Rate Computing Parking Ticket Dispenser With Printer.....	7,307.46	187.01

11 12 23 Parking Meters ^(11 12)

11 12 23 00-0001 Parking Meters ^(11 12 23)

11 12 23 00-0002	EA	Removal Of Parking Meter For Replacement Or Reinstall Existing Meter.....	158.48	
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11 12 26 Parking Fee Collection Equipment ^(11 12)

11 12 26 00-0001 Parking Fee Collection Equipment ^(11 12 26)

11 12 26 00-0002	EA	Multiple Station Slot Box For Parking Fee Collection.....	1,346.54	63.38
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11 12 33 Parking Gates ^(11 12)

11 12 33 13 Lift Arm Parking Gates ^(11 12 33)

11 12 33 13-0001 Barrier Parking Gate Operators ^(11 12 33 13)

11 12 33 13-0002 Barrier Parking Gate Operators ^(11 12 33 13-0001)

Note: Includes operator and barrier arm. Excludes access controls and concrete foundation.

11 12 33 13-0003	EA	12' Plastic Arm, 1/2 HP, 115 Volt AC, Barrier Parking Gate Operator (DKS™ DoorKing® 1601-080).....	2,767.55	259.39
		For 230/460 Volt AC, Add	322.50	
11 12 33 13-0004	EA	14' Wood Arm, 1/2 HP, 115 Volt AC, Barrier Parking Gate Operator (DKS™ DoorKing® 1601-080).....	2,758.55	259.39
		For 230/460 Volt AC, Add	322.50	
11 12 33 13-0005	EA	14' Aluminum Arm, 1/2 HP, 115 Volt AC, Barrier Parking Gate Operator (DKS™ DoorKing® 1601-080).....	2,872.55	259.39
		For 230/460 Volt AC, Add	322.50	
11 12 33 13-0006	EA	20' Three Piece Wood Arm, 1 HP, 115 Volt AC, Barrier Parking Gate Operator (DKS™ DoorKing® 1602-080).....	4,015.69	259.39
		For 230/460 Volt AC, Add	322.50	
11 12 33 13-0007	EA	14' Wood Arm, 1/3 HP, 115 Volt AC, Barrier Parking Gate Operator With Two Built-In Vehicle Detectors (Federal APD G-90 CD).....	4,669.71	259.39
11 12 33 13-0008	EA	14' Aluminum Arm, 1/3 HP, 115 Volt AC, Barrier Parking Gate Operator With Two Built-In Vehicle Detectors (Federal APD G-90 CD).....	4,849.71	259.39

11 12 33 13-0009 Barrier Parking Gate Operators With Tire Shredding Traffic Control Spikes

^(11 12 33 13-0001)

Note: Includes operator, barrier arm and tire shredding traffic control spikes. Excludes access controls and concrete foundation.

11 12 33 13-0010	EA	14' Wood Arm, 1/2 HP, 115 Volt AC, Barrier Parking Gate Operator With 6' Section, Surface Mount, Tire Shredding Traffic Control Spikes (DKS™ DoorKing® 1603-080).....	8,155.09	518.80
11 12 33 13-0011	EA	14' Wood Arm, 1/2 HP, 115 Volt AC, Barrier Parking Gate Operator With 9' Section, Surface Mount, Tire Shredding Traffic Control Spikes (DKS™ DoorKing® 1603-080).....	9,518.85	518.80
11 12 33 13-0012	EA	14' Aluminum Arm, 1/2 HP, 115 Volt AC, Barrier Parking Gate Operator With 6' Section, Surface Mount, Tire Shredding Traffic Control Spikes (DKS™ DoorKing® 1603-080).....	8,222.59	518.80
11 12 33 13-0013	EA	14' Aluminum Arm, 1/2 HP, 115 Volt AC, Barrier Parking Gate Operator With 9' Section, Surface Mount, Tire Shredding Traffic Control Spikes (DKS™ DoorKing® 1603-080).....	9,586.35	518.80

11 12 33 13-0014 Barrier Parking Gate Operator Accessories ^(11 12 33 13-0001)

11 12 33 13-0015	EA	12' Plastic Replacement Arm For Barrier Parking Gate Operators.....	111.08	18.04
11 12 33 13-0016	EA	14' Wood Replacement Arm For Barrier Parking Gate Operators.....	102.08	18.04
11 12 33 13-0017	EA	14' Aluminum Replacement Arm For Barrier Parking Gate Operators.....	216.08	18.04
11 12 33 13-0018	EA	20' Three Piece Wood Replacement Arm For Barrier Parking Gate Operators.....	317.33	18.04
11 12 33 13-0019	EA	Folding Wood Replacement Arm For Barrier Parking Gate Operators.....	291.08	18.04
11 12 33 13-0020	EA	Folding Plastic Replacement Arm For Barrier Parking Gate Operators.....	291.08	18.04
11 12 33 13-0021	EA	Folding Aluminum Replacement Arm For Barrier Parking Gate Operators.....	351.08	18.04
11 12 33 13-0022	EA	Heater Kit For Barrier Parking Gate Operators (DKS™ DoorKing® 1601-092).....	385.23	108.25
11 12 33 13-0023	EA	Fan Kit For Barrier Parking Gate Operators (DKS™ DoorKing® 1601-093).....	385.23	108.25
11 12 33 13-0024	EA	Single Channel Detector Loop For Barrier Parking Gate Operators (DKS™ DoorKing® 9410-010).....	402.18	



Equipment	11	
Vehicle And Pedestrian Equipment	11 10	11
Parking Control Equipment	11 12	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 12 33 13-0025 EA Two Channel Detector Loop For Barrier Parking Gate Operators (Federal APD DLD-10B).....	1,013.90	
11 12 33 13-0026 EA 36" Tall, Gooseneck Style, Single Mount, 2' x 2' Steel, Exterior Mounting Post For Gate Operator Access Controls (Federal APD)	565.96	18.04
Note: Includes mounting plate and hardware. Excludes concrete foundation.		
11 12 36 Tire Shredders (11 12)		
11 12 36 00-0001 Tire Shredding Traffic Control Spikes (11 12 36)		
11 12 36 00-0002 Flush Mount, Tire Shredding Traffic Control Spikes (11 12 36 00-0001)		
11 12 36 00-0003 EA 6' Section, Flush Mount, Tire Shredding Traffic Control Spikes (DKS™ DoorKing® 1610-081).....	1,301.15	288.65
11 12 36 00-0004 Surface Mount, Tire Shredding Traffic Control Spikes (11 12 36 00-0001)		
11 12 36 00-0005 EA 3' Section With End Caps, Surface Mount, Tire Shredding Traffic Control Spikes (DKS™ DoorKing® 1610-088).....	2,169.33	144.33
11 12 36 00-0006 EA 3' Add-On Section, Surface Mount, Tire Shredding Traffic Control Spikes (DKS™ DoorKing® 1610-087)	1,569.33	144.33
11 12 36 00-0007 Warning Signs And Signals For Tire Shredding Traffic Control Spikes (11 12 36 00-0001)		
11 12 36 00-0008 EA Warning Sign For Tire Shredding Traffic Control Spikes (DKS™ DoorKing® 1615).....	985.75	54.12
Note: Includes light and mounting post.		
11 12 36 00-0009 EA Traffic Light Assembly For Tire Shredding Traffic Control Spikes (DKS™ DoorKing® 1603).....	826.83	72.16
Note: Includes mounting post and hardware.		
11 13 Loading Dock Equipment (11 10)		
11 13 13 Loading Dock Bumpers (11 13)		
11 13 13 00-0001 Laminated Rubber Dock Bumpers (11 13 13)		
11 13 13 00-0002 4-1/2" Projection, Laminated Rubber Dock Bumpers (11 13 13 00-0001)		
11 13 13 00-0003 EA 14" x 6", 4-1/2" Projection, Laminated Rubber Dock Bumper	95.42	18.08
11 13 13 00-0004 EA 24" x 6", 4-1/2" Projection, Laminated Rubber Dock Bumper	118.42	18.08
11 13 13 00-0005 EA 36" x 6", 4-1/2" Projection, Laminated Rubber Dock Bumper	150.86	18.08
11 13 13 00-0006 EA 12" x 10", 4-1/2" Projection, Laminated Rubber Dock Bumper	105.22	18.08
11 13 13 00-0007 EA 14" x 10", 4-1/2" Projection, Laminated Rubber Dock Bumper	113.35	18.08
11 13 13 00-0008 EA 18" x 10", 4-1/2" Projection, Laminated Rubber Dock Bumper	127.87	18.08
11 13 13 00-0009 EA 24" x 10", 4-1/2" Projection, Laminated Rubber Dock Bumper	150.86	18.08
11 13 13 00-0010 EA 36" x 10", 4-1/2" Projection, Laminated Rubber Dock Bumper	202.77	18.08
11 13 13 00-0011 EA 12" x 12", 4-1/2" Projection, Laminated Rubber Dock Bumper	118.20	18.08
11 13 13 00-0012 EA 12" x 14", 4-1/2" Projection, Laminated Rubber Dock Bumper	127.87	18.08
11 13 13 00-0013 EA 12" x 18", 4-1/2" Projection, Laminated Rubber Dock Bumper	155.48	18.08
11 13 13 00-0014 EA 12" x 24", 4-1/2" Projection, Laminated Rubber Dock Bumper	175.06	18.08
11 13 13 00-0015 EA 12" x 36", 4-1/2" Projection, Laminated Rubber Dock Bumper	238.62	18.08
11 13 13 00-0016 EA 11" x 20", 4-1/2" Projection, Laminated Rubber Dock Bumper	144.04	18.08
11 13 13 00-0017 EA 11" x 24", 4-1/2" Projection, Laminated Rubber Dock Bumper	166.81	18.08
11 13 13 00-0018 EA 11" x 36", 4-1/2" Projection, Laminated Rubber Dock Bumper	215.31	18.08
11 13 13 00-0019 6" Projection, Laminated Rubber Dock Bumpers (11 13 13 00-0001)		
11 13 13 00-0020 EA 12" x 10", 6" Projection, Laminated Rubber Dock Bumper	131.62	18.08
11 13 13 00-0021 EA 14" x 10", 6" Projection, Laminated Rubber Dock Bumper	139.65	18.08
11 13 13 00-0022 EA 18" x 10", 6" Projection, Laminated Rubber Dock Bumper	159.01	18.08
11 13 13 00-0023 EA 24" x 10", 6" Projection, Laminated Rubber Dock Bumper	188.48	18.08
11 13 13 00-0024 EA 36" x 10", 6" Projection, Laminated Rubber Dock Bumper	253.70	18.08
11 13 13 00-0025 EA 12" x 12", 6" Projection, Laminated Rubber Dock Bumper	149.44	18.08
11 13 13 00-0026 EA 14" x 12", 6" Projection, Laminated Rubber Dock Bumper	156.04	18.08
11 13 13 00-0027 EA 18" x 12", 6" Projection, Laminated Rubber Dock Bumper	182.21	18.08
11 13 13 00-0028 EA 24" x 12", 6" Projection, Laminated Rubber Dock Bumper	221.25	18.08
11 13 13 00-0029 EA 36" x 12", 6" Projection, Laminated Rubber Dock Bumper	330.57	18.08
11 13 13 00-0030 EA 11" x 20", 6" Projection, Laminated Rubber Dock Bumper	188.59	18.08
11 13 13 00-0031 EA 11" x 24", 6" Projection, Laminated Rubber Dock Bumper	214.77	18.08
11 13 13 00-0032 EA 11" x 36", 6" Projection, Laminated Rubber Dock Bumper	218.25	18.08
11 13 13 00-0033 Extruded Rubber Dock Bumpers (11 13 13)		
11 13 13 00-0034 1-3/4" Projection, Extruded Rubber Dock Bumpers (11 13 13 00-0033)		
11 13 13 00-0035 EA 12" x 2", 1-3/4" Projection, Extruded Rubber Dock Bumper	54.15	18.08
11 13 13 00-0036 EA 18" x 2", 1-3/4" Projection, Extruded Rubber Dock Bumper	57.38	18.08
11 13 13 00-0037 EA 24" x 2", 1-3/4" Projection, Extruded Rubber Dock Bumper	61.69	18.08
11 13 13 00-0038 EA 36" x 2", 1-3/4" Projection, Extruded Rubber Dock Bumper	66.00	18.08
11 13 13 00-0039 4" Projection, Extruded Rubber Dock Bumpers (11 13 13 00-0033)		
11 13 13 00-0040 EA 12" x 4-1/2", 4" Projection, Extruded Rubber Dock Bumper	71.05	18.08
11 13 13 00-0041 EA 18" x 4-1/2", 4" Projection, Extruded Rubber Dock Bumper	84.65	18.08
11 13 13 00-0042 EA 24" x 4-1/2", 4" Projection, Extruded Rubber Dock Bumper	88.56	18.08
11 13 13 00-0043 EA 36" x 4-1/2", 4" Projection, Extruded Rubber Dock Bumper	97.48	18.08

11 Equipment**11 10 Vehicle And Pedestrian Equipment****11 13 Loading Dock Equipment**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 13 13 00-0044			6" Projection, Extruded Rubber Dock Bumpers (11 13 13 00-0033)		
11 13 13 00-0045	EA		12" x 6", 6" Projection, Extruded Rubber Dock Bumper.....	84.87	18.08
11 13 13 00-0046	EA		18" x 6", 6" Projection, Extruded Rubber Dock Bumper.....	103.19	18.08
11 13 13 00-0047	EA		24" x 6", 6" Projection, Extruded Rubber Dock Bumper.....	118.28	18.08
11 13 13 00-0048	EA		36" x 6", 6" Projection, Extruded Rubber Dock Bumper.....	147.07	18.08
11 13 13 00-0049			Molded Rubber Dock Bumpers (11 13 13)		
11 13 13 00-0050			Rectangular Molded Rubber Dock Bumpers (11 13 13 00-0049)		
11 13 13 00-0051	EA		18" x 8", 2" Projection, Rectangular Molded Rubber Dock Bumper.....	73.66	18.08
11 13 13 00-0052	EA		10" x 4-1/2", 3" Projection, Rectangular Molded Rubber Dock Bumper.....	65.33	18.08
11 13 13 00-0053	EA		20" x 4-1/2", 3" Projection, Rectangular Molded Rubber Dock Bumper.....	84.32	18.08
11 13 13 00-0054	EA		30" x 4-1/2", 3" Projection, Rectangular Molded Rubber Dock Bumper.....	103.48	18.08
11 13 13 00-0055	EA		24" x 12", 3" Projection, Rectangular Molded Rubber Dock Bumper.....	108.00	18.08
11 13 13 00-0056	EA		13" x 10", 4" Projection, Rectangular Molded Rubber Dock Bumper.....	82.15	18.08
11 13 13 00-0057	EA		18" x 10", 4" Projection, Rectangular Molded Rubber Dock Bumper.....	104.24	18.08
11 13 13 00-0058	EA		30" x 10", 4" Projection, Rectangular Molded Rubber Dock Bumper.....	149.73	18.08
11 13 13 00-0059	EA		13" x 12", 4" Projection, Rectangular Molded Rubber Dock Bumper.....	88.76	18.08
11 13 13 00-0060	EA		24" x 12", 4" Projection, Rectangular Molded Rubber Dock Bumper.....	129.16	18.08
11 13 13 00-0061	EA		18" x 18", 4" Projection, Rectangular Molded Rubber Dock Bumper.....	128.77	18.08
11 13 13 00-0062	EA		24" x 12", 6" Projection, Rectangular Molded Rubber Dock Bumper.....	191.37	18.08
11 13 13 00-0063			T And L Shaped Rubber Dock Bumpers (11 13 13 00-0049)		
11 13 13 00-0064	EA		22" x 22", 3" Projection, T Shaped Molded Rubber Dock Bumper.....	122.54	18.08
11 13 13 00-0065	EA		18" x 18", 4" Projection, L Shaped Molded Rubber Dock Bumper.....	114.55	18.08
11 13 16			Loading Dock Seals And Shelters (11 13)		
11 13 16 13			Loading Dock Seals (11 13 16)		
11 13 16 13-0001			Vinyl Loading Dock Seals (11 13 16 13)		
11 13 16 13-0002			Standard Vinyl Loading Dock Seals (11 13 16 13-0001)		
11 13 16 13-0003	LF		10" Projection, Standard, Vinyl Loading Dock Seal.....	69.46	18.08
11 13 16 13-0004	LF		11" Projection, Standard, Vinyl Loading Dock Seal.....	70.28	18.08
11 13 16 13-0005	LF		12" Projection, Standard, Vinyl Loading Dock Seal.....	71.11	18.08
11 13 16 13-0006	LF		13" Projection, Standard, Vinyl Loading Dock Seal.....	72.76	18.08
11 13 16 13-0007	LF		14" Projection, Standard, Vinyl Loading Dock Seal.....	74.41	18.08
11 13 16 13-0008	LF		15" Projection, Standard, Vinyl Loading Dock Seal.....	76.08	18.08
11 13 16 13-0009	LF		16" Projection, Standard, Vinyl Loading Dock Seal.....	77.75	18.08
11 13 16 13-0010	LF		17" Projection, Standard, Vinyl Loading Dock Seal.....	79.47	18.08
11 13 16 13-0011	LF		18" Projection, Standard, Vinyl Loading Dock Seal.....	81.19	18.08
11 13 16 13-0012	LF		19" Projection, Standard, Vinyl Loading Dock Seal.....	82.84	18.08
11 13 16 13-0013	LF		20" Projection, Standard, Vinyl Loading Dock Seal.....	84.49	18.08
11 13 16 13-0014	LF		22" Projection, Standard, Vinyl Loading Dock Seal.....	87.83	18.08
11 13 16 13-0015			8" Exposure Wear Pleats, Vinyl Loading Dock Seals (11 13 16 13-0001)		
11 13 16 13-0016	LF		10" Projection, 8" Exposure Wear Pleats, Vinyl Loading Dock Seal.....	79.27	18.08
11 13 16 13-0017	LF		11" Projection, 8" Exposure Wear Pleats, Vinyl Loading Dock Seal.....	80.09	18.08
11 13 16 13-0018	LF		12" Projection, 8" Exposure Wear Pleats, Vinyl Loading Dock Seal.....	80.91	18.08
11 13 16 13-0019	LF		13" Projection, 8" Exposure Wear Pleats, Vinyl Loading Dock Seal.....	82.59	18.08
11 13 16 13-0020	LF		14" Projection, 8" Exposure Wear Pleats, Vinyl Loading Dock Seal.....	84.26	18.08
11 13 16 13-0021	LF		15" Projection, 8" Exposure Wear Pleats, Vinyl Loading Dock Seal.....	85.91	18.08
11 13 16 13-0022	LF		16" Projection, 8" Exposure Wear Pleats, Vinyl Loading Dock Seal.....	87.56	18.08
11 13 16 13-0023	LF		17" Projection, 8" Exposure Wear Pleats, Vinyl Loading Dock Seal.....	89.23	18.08
11 13 16 13-0024	LF		18" Projection, 8" Exposure Wear Pleats, Vinyl Loading Dock Seal.....	90.90	18.08
11 13 16 13-0025	LF		19" Projection, 8" Exposure Wear Pleats, Vinyl Loading Dock Seal.....	92.55	18.08
11 13 16 13-0026	LF		20" Projection, 8" Exposure Wear Pleats, Vinyl Loading Dock Seal.....	94.25	18.08
11 13 16 13-0027	LF		22" Projection, 8" Exposure Wear Pleats, Vinyl Loading Dock Seal.....	97.55	18.08
11 13 16 13-0028			4" Exposure Wear Pleats, Vinyl Loading Dock Seals (11 13 16 13-0001)		
11 13 16 13-0029	LF		10" Projection, 4" Exposure Wear Pleats, Vinyl Loading Dock Seal.....	84.49	18.08
11 13 16 13-0030	LF		11" Projection, 4" Exposure Wear Pleats, Vinyl Loading Dock Seal.....	85.34	18.08
11 13 16 13-0031	LF		12" Projection, 4" Exposure Wear Pleats, Vinyl Loading Dock Seal.....	86.18	18.08
11 13 16 13-0032	LF		13" Projection, 4" Exposure Wear Pleats, Vinyl Loading Dock Seal.....	87.83	18.08
11 13 16 13-0033	LF		14" Projection, 4" Exposure Wear Pleats, Vinyl Loading Dock Seal.....	89.48	18.08
11 13 16 13-0034	LF		15" Projection, 4" Exposure Wear Pleats, Vinyl Loading Dock Seal.....	91.16	18.08
11 13 16 13-0035	LF		16" Projection, 4" Exposure Wear Pleats, Vinyl Loading Dock Seal.....	92.83	18.08
11 13 16 13-0036	LF		17" Projection, 4" Exposure Wear Pleats, Vinyl Loading Dock Seal.....	94.48	18.08
11 13 16 13-0037	LF		18" Projection, 4" Exposure Wear Pleats, Vinyl Loading Dock Seal.....	96.13	18.08
11 13 16 13-0038	LF		19" Projection, 4" Exposure Wear Pleats, Vinyl Loading Dock Seal.....	97.80	18.08
11 13 16 13-0039	LF		20" Projection, 4" Exposure Wear Pleats, Vinyl Loading Dock Seal.....	99.47	18.08
11 13 16 13-0040	LF		22" Projection, 4" Exposure Wear Pleats, Vinyl Loading Dock Seal.....	102.86	18.08



Equipment	11	
Vehicle And Pedestrian Equipment	11 10	11
Loading Dock Equipment	11 13	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 13 16 13-0041 Vinyl Loading Dock Seals With Drape Curtain <small>(11 13 16 13)</small>		
11 13 16 13-0042 Standard, Vinyl Loading Dock Seals With Drape Curtain <small>(11 13 16 13-0041)</small>		
11 13 16 13-0043 LF 10" Projection, Standard, Vinyl Loading Dock Seal With Drape Curtain.....	65.08	18.08
11 13 16 13-0044 LF 12" Projection, Standard, Vinyl Loading Dock Seal With Drape Curtain.....	66.38	18.08
11 13 16 13-0045 LF 14" Projection, Standard, Vinyl Loading Dock Seal With Drape Curtain.....	69.25	18.08
11 13 16 13-0046 LF 16" Projection, Standard, Vinyl Loading Dock Seal With Drape Curtain.....	72.07	18.08
11 13 16 13-0047 LF 18" Projection, Standard, Vinyl Loading Dock Seal With Drape Curtain.....	74.98	18.08
11 13 16 13-0048 LF 20" Projection, Standard, Vinyl Loading Dock Seal With Drape Curtain.....	77.81	18.08
11 13 16 13-0049 LF 22" Projection, Standard, Vinyl Loading Dock Seal With Drape Curtain.....	80.68	18.08
11 13 16 13-0050 8" Exposure Wear Pleats, Vinyl Loading Dock Seals With Drape Curtain <small>(11 13 16 13-0041)</small>		
11 13 16 13-0051 LF 10" Projection, 8" Exposure Wear Pleats, Vinyl Loading Dock Seal With Drape Curtain.....	74.36	18.08
11 13 16 13-0052 LF 12" Projection, 8" Exposure Wear Pleats, Vinyl Loading Dock Seal With Drape Curtain.....	75.70	18.08
11 13 16 13-0053 LF 14" Projection, 8" Exposure Wear Pleats, Vinyl Loading Dock Seal With Drape Curtain.....	78.56	18.08
11 13 16 13-0054 LF 16" Projection, 8" Exposure Wear Pleats, Vinyl Loading Dock Seal With Drape Curtain.....	81.43	18.08
11 13 16 13-0055 LF 18" Projection, 8" Exposure Wear Pleats, Vinyl Loading Dock Seal With Drape Curtain.....	84.26	18.08
11 13 16 13-0056 LF 20" Projection, 8" Exposure Wear Pleats, Vinyl Loading Dock Seal With Drape Curtain.....	87.13	18.08
11 13 16 13-0057 LF 22" Projection, 8" Exposure Wear Pleats, Vinyl Loading Dock Seal With Drape Curtain.....	89.96	18.08
11 13 16 13-0058 4" Exposure Wear Pleats, Vinyl Loading Dock Seals With Drape Curtain <small>(11 13 16 13-0041)</small>		
11 13 16 13-0059 LF 10" Projection, 4" Exposure Wear Pleats, Vinyl Loading Dock Seal With Drape Curtain.....	79.39	18.08
11 13 16 13-0060 LF 12" Projection, 4" Exposure Wear Pleats, Vinyl Loading Dock Seal With Drape Curtain.....	80.69	18.08
11 13 16 13-0061 LF 14" Projection, 4" Exposure Wear Pleats, Vinyl Loading Dock Seal With Drape Curtain.....	83.59	18.08
11 13 16 13-0062 LF 16" Projection, 4" Exposure Wear Pleats, Vinyl Loading Dock Seal With Drape Curtain.....	86.42	18.08
11 13 16 13-0063 LF 18" Projection, 4" Exposure Wear Pleats, Vinyl Loading Dock Seal With Drape Curtain.....	89.29	18.08
11 13 16 13-0064 LF 20" Projection, 4" Exposure Wear Pleats, Vinyl Loading Dock Seal With Drape Curtain.....	92.12	18.08
11 13 16 13-0065 LF 22" Projection, 4" Exposure Wear Pleats, Vinyl Loading Dock Seal With Drape Curtain.....	95.02	18.08
11 13 16 23 Loading Dock Shelters <small>(11 13 16)</small>		
11 13 16 23-0001 Retractable Vinyl Loading Dock Shelter <small>(11 13 16 23)</small>		
11 13 16 23-0002 LF Retractable Vinyl Dock Shelters, Scissor Arms	106.90	22.59
11 13 16 23-0003 Rigid Loading Dock Shelters <small>(11 13 16 23)</small>		
11 13 16 23-0004 LF 18" Projection, Rigid Loading Dock Shelter	81.96	21.69
11 13 16 23-0005 LF 24" Projection, Rigid Loading Dock Shelter	85.00	21.69
11 13 16 23-0006 LF 30" Projection, Rigid Loading Dock Shelter	88.31	22.59
11 13 16 23-0007 LF 36" Projection, Rigid Loading Dock Shelter	90.41	22.59
11 13 19 Stationary Loading Dock Equipment <small>(11 13)</small>		
<small>Note: Includes all anchor bolts and fasteners.</small>		
11 13 19 13 Loading Dock Levelers <small>(11 13 19)</small>		
11 13 19 13-0001 Hydraulic Dock Levelers <small>(11 13 19 13)</small>		
11 13 19 13-0002 20,000 LB Hydraulic Dock Levelers <small>(11 13 19 13-0001)</small>		
11 13 19 13-0003 EA 6' x 6', 20,000 LB Hydraulic Dock Leveler.....	7,382.48	763.07
11 13 19 13-0004 EA 6' x 8', 20,000 LB Hydraulic Dock Leveler.....	7,892.66	847.86
11 13 19 13-0005 EA 6' x 10', 20,000 LB Hydraulic Dock Leveler.....	9,672.90	1,017.43
11 13 19 13-0006 EA 7' x 6', 20,000 LB Hydraulic Dock Leveler.....	7,855.56	847.86
11 13 19 13-0007 EA 7' x 8', 20,000 LB Hydraulic Dock Leveler.....	8,536.82	932.64
11 13 19 13-0008 EA 7' x 10', 20,000 LB Hydraulic Dock Leveler.....	10,237.34	1,017.43
11 13 19 13-0009 25,000 LB Hydraulic Dock Levelers <small>(11 13 19 13-0001)</small>		
11 13 19 13-0010 EA 6' x 6', 25,000 LB Hydraulic Dock Leveler.....	7,536.30	763.07
11 13 19 13-0011 EA 6' x 8', 25,000 LB Hydraulic Dock Leveler.....	8,051.97	847.86
11 13 19 13-0012 EA 6' x 10', 25,000 LB Hydraulic Dock Leveler.....	9,822.18	1,017.43
11 13 19 13-0013 EA 7' x 6', 25,000 LB Hydraulic Dock Leveler.....	8,006.19	847.86
11 13 19 13-0014 EA 7' x 8', 25,000 LB Hydraulic Dock Leveler.....	8,676.34	932.64
11 13 19 13-0015 EA 7' x 10', 25,000 LB Hydraulic Dock Leveler.....	10,529.97	1,017.43
11 13 19 13-0016 30,000 LB Hydraulic Dock Levelers <small>(11 13 19 13-0001)</small>		
11 13 19 13-0017 EA 6' x 6', 30,000 LB Hydraulic Dock Leveler.....	7,887.64	890.25
11 13 19 13-0018 EA 6' x 8', 30,000 LB Hydraulic Dock Leveler.....	8,388.92	1,017.43
11 13 19 13-0019 EA 6' x 10', 30,000 LB Hydraulic Dock Leveler.....	10,224.39	1,187.00
11 13 19 13-0020 EA 7' x 6', 30,000 LB Hydraulic Dock Leveler.....	8,388.92	1,017.43
11 13 19 13-0021 EA 7' x 8', 30,000 LB Hydraulic Dock Leveler.....	9,034.83	1,144.61
11 13 19 13-0022 EA 7' x 10', 30,000 LB Hydraulic Dock Leveler.....	10,870.31	1,144.61
11 13 19 13-0023 35,000 LB Hydraulic Dock Levelers <small>(11 13 19 13-0001)</small>		

11 Equipment**11 10 Vehicle And Pedestrian Equipment****11 13 Loading Dock Equipment**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 13 19 13-0024	EA		6' x 6', 35,000 LB Hydraulic Dock Leveler.....	8,164.12	847.86
11 13 19 13-0025	EA		6' x 8', 35,000 LB Hydraulic Dock Leveler.....	8,666.64	932.64
11 13 19 13-0026	EA		6' x 10', 35,000 LB Hydraulic Dock Leveler.....	10,902.31	1,102.22
11 13 19 13-0027	EA		7' x 6', 35,000 LB Hydraulic Dock Leveler.....	8,666.64	932.64
11 13 19 13-0028	EA		7' x 8', 35,000 LB Hydraulic Dock Leveler.....	9,409.65	1,017.43
11 13 19 13-0029	EA		7' x 10', 35,000 LB Hydraulic Dock Leveler.....	11,282.43	1,187.00
11 13 19 13-0030			40,000 LB Hydraulic Dock Levelers (11 13 19 13-0001)		
11 13 19 13-0031	EA		6' x 6', 40,000 LB Hydraulic Dock Leveler.....	8,650.21	847.86
11 13 19 13-0032	EA		6' x 8', 40,000 LB Hydraulic Dock Leveler.....	9,152.12	932.64
11 13 19 13-0033	EA		6' x 10', 40,000 LB Hydraulic Dock Leveler.....	11,013.70	1,102.22
11 13 19 13-0034	EA		7' x 6', 40,000 LB Hydraulic Dock Leveler.....	9,152.12	932.64
11 13 19 13-0035	EA		7' x 8', 40,000 LB Hydraulic Dock Leveler.....	9,895.88	1,017.43
11 13 19 13-0036	EA		7' x 10', 40,000 LB Hydraulic Dock Leveler.....	11,768.39	1,187.00
11 13 19 13-0037			45,000 LB Hydraulic Dock Levelers (11 13 19 13-0001)		
11 13 19 13-0038	EA		6' x 6', 45,000 LB Hydraulic Dock Leveler.....	9,052.85	932.64
11 13 19 13-0039	EA		6' x 8', 45,000 LB Hydraulic Dock Leveler.....	9,562.58	1,017.43
11 13 19 13-0040	EA		6' x 10', 45,000 LB Hydraulic Dock Leveler.....	11,415.02	1,187.00
11 13 19 13-0041	EA		7' x 6', 45,000 LB Hydraulic Dock Leveler.....	9,563.86	1,017.43
11 13 19 13-0042	EA		7' x 8', 45,000 LB Hydraulic Dock Leveler.....	10,301.76	1,102.22
11 13 19 13-0043	EA		7' x 10', 45,000 LB Hydraulic Dock Leveler.....	12,162.67	1,271.79
11 13 19 13-0044			Manual Dock Levelers (11 13 19 13)		
11 13 19 13-0045			20,000 LB Manual Dock Levelers (11 13 19 13-0044)		
11 13 19 13-0046	EA		6' x 6', 20,000 LB Manual Dock Leveler.....	5,800.48	763.07
11 13 19 13-0047	EA		6' x 8', 20,000 LB Manual Dock Leveler.....	6,320.65	847.86
11 13 19 13-0048	EA		6' x 10', 20,000 LB Manual Dock Leveler.....	8,090.90	1,017.43
11 13 19 13-0049	EA		7' x 6', 20,000 LB Manual Dock Leveler.....	6,274.98	847.86
11 13 19 13-0050	EA		7' x 8', 20,000 LB Manual Dock Leveler.....	6,954.82	932.64
11 13 19 13-0051	EA		7' x 10', 20,000 LB Manual Dock Leveler.....	8,816.68	1,017.43
11 13 19 13-0052			40,000 LB Manual Dock Levelers (11 13 19 13-0044)		
11 13 19 13-0053	EA		6' x 6', 40,000 LB Manual Dock Leveler.....	7,208.13	847.86
11 13 19 13-0054	EA		6' x 8', 40,000 LB Manual Dock Leveler.....	7,710.04	932.64
11 13 19 13-0055	EA		6' x 10', 40,000 LB Manual Dock Leveler.....	8,346.57	1,102.22
11 13 19 13-0056	EA		7' x 6', 40,000 LB Manual Dock Leveler.....	7,710.04	932.64
11 13 19 13-0057	EA		7' x 8', 40,000 LB Manual Dock Leveler.....	8,780.77	1,017.43
11 13 19 13-0058	EA		7' x 10', 40,000 LB Manual Dock Leveler.....	10,326.31	1,187.00
11 13 19 13-0059			Edge-Of-Dock Levelers (11 13 19 13)		
			Note: Mounted on face of dock, single torsion bar counter balance, includes bumpers.		
11 13 19 13-0060			Hydraulic Edge-Of-Dock Levelers (11 13 19 13-0059)		
11 13 19 13-0061	EA		66" Usable Width, 20,000 LB Edge-Of-Dock Leveler, Hydraulic.....	2,774.33	254.36
11 13 19 13-0062	EA		72" Usable Width, 20,000 LB Edge-Of-Dock Leveler, Hydraulic.....	2,993.41	254.36
11 13 19 13-0063	EA		66" Usable Width, 25,000 LB Edge-Of-Dock Leveler, Hydraulic.....	2,961.71	254.36
11 13 19 13-0064	EA		72" Usable Width, 25,000 LB Edge-Of-Dock Leveler, Hydraulic.....	3,262.48	254.36
11 13 19 13-0065			Manual Edge-Of-Dock Levelers (11 13 19 13-0059)		
11 13 19 13-0066	EA		66" Usable Width, 20,000 LB Edge-Of-Dock Leveler, Manual.....	1,377.72	254.36
11 13 19 13-0067	EA		72" Usable Width, 20,000 LB Edge-Of-Dock Leveler, Manual.....	1,509.70	254.36
11 13 19 13-0068	EA		66" Usable Width, 25,000 LB Edge-Of-Dock Leveler, Manual.....	1,550.06	254.36
11 13 19 13-0069	EA		72" Usable Width, 25,000 LB Edge-Of-Dock Leveler, Manual.....	1,649.04	254.36
11 13 19 23			Stationary Loading Dock Lifts (11 13 19)		
11 13 19 23-0001			Top Of Ground, Fixed Platform Lifts (11 13 19 23)		
11 13 19 23-0002	EA		6' x 8', 5,500 LB Top Of Ground, Fixed Platform Lift.....	11,379.95	182.19
11 13 19 23-0003			Pit Mounted, Fixed Platform Lifts (11 13 19 23)		
11 13 19 23-0004	EA		6' x 8', 5,000 LB Fixed Platform Lift, Pit Mounted.....	7,683.55	182.19
11 13 19 23-0005	EA		6' x 8', 8,000 LB Fixed Platform Lift, Pit Mounted.....	14,121.95	273.29
11 13 19 23-0006	EA		7' x 12', 15,000 LB Fixed Platform Lift, Pit Mounted.....	24,924.56	546.58
11 13 19 23-0007	EA		8' x 20', 15,000 LB Fixed Platform Lift, Pit Mounted.....	26,088.72	728.79
11 13 19 26			Loading Dock Truck Lifts (11 13 19)		
11 13 19 26-0001			Hydraulic Truck Lifts (11 13 19 26)		
11 13 19 26-0002	EA		10' x 15', 60,000 LB Platform Truck Lift.....	23,477.11	1,325.64
11 13 19 26-0003	EA		10' x 20', 60,000 LB Platform Truck Lift.....	26,866.79	1,590.76



Equipment	11	
Vehicle And Pedestrian Equipment	11 10	11
Loading Dock Equipment	11 13	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 13 19 33 Loading Dock Truck Restraints <small>(11 13 19)</small>		
11 13 19 33-0001 Truck Restraint System <small>(11 13 19 33)</small>		
11 13 19 33-0002 EA Truck Restraint System (Poweramp Powerstop AAL) Note: Includes push button controls, warning lights, alarms, 30,000 LB holding force, all mounting plates, bolts, welds, warning signs, gasketed weatherproof box for controls, 120 V UL listed.	5,536.51	317.95
11 13 19 33-0003 EA Rotating Hook Truck Restraint System (Kelley Star 4) Note: Includes push button controls, warning lights, alarms, 32,000 LB holding force, all mounting plates, bolts, welds, warning signs, gasketed weatherproof box for controls, 120 V UL listed.	4,541.24	317.95
11 13 23 Portable Dock Equipment <small>(11 13)</small>		
11 13 23 23 Portable Dock Platforms <small>(11 13 23)</small>		
11 13 23 23-0001 EA 6' x 6', 5,000 LB Capacity Portable Platform Lift.....	13,718.54	90.20
11 13 26 Loading Dock Lights <small>(11 13)</small>		
11 13 26 00-0001 Communication Lights <small>(11 13 26)</small>		
11 13 26 00-0002 EA Console Controlled, Dock Communication Light, Stop And Go Red Light Style, 12 Or 24 Volt DC Or 115 Volt AC..... Note: Excludes control console.	249.78	77.92
11 13 26 00-0003 EA Toggle Switch Controlled, Dock Communication Light, Stop And Go Red Light Style, With Solid State Flasher, 12 Or 24 Volt DC Or 115 Volt AC	299.16	77.92
11 13 26 00-0004 EA Dock Guide Light For Truck Backing.....	149.03	62.33
11 13 26 00-0005 Communication Lights Controls <small>(11 13 26)</small>		
11 13 26 00-0006 EA Dock Communication Lights Control Console For Up To Two Docks.....	292.44	103.89
11 13 26 00-0007 Loading Dock Lights <small>(11 13 26)</small>		
11 13 26 00-0008 Incandescent Loading Dock Lights <small>(11 13 26 00-0007)</small>		
11 13 26 00-0009 EA 24" Long, Single Arm Loading Dock Light, 300W Incandescent.....	357.68	103.89
11 13 26 00-0010 EA 40" Long, Dual Arm Loading Dock Light, 300W Incandescent	323.34	103.89
11 13 26 00-0011 EA 60" Long, Dual Arm Loading Dock Light, 300W Incandescent	409.96	103.89
11 13 26 00-0012 Metal Halide Loading Dock Lights <small>(11 13 26 00-0007)</small>		
11 13 26 00-0013 EA 24" Long, Single Arm Loading Dock Light, 100W Metal Halide	476.36	103.89
11 13 26 00-0014 EA 40" Long, Dual Arm Loading Dock Light, 100W Metal Halide.....	517.05	103.89
11 13 26 00-0015 EA 60" Long, Dual Arm Loading Dock Light, 100W Metal Halide.....	549.59	103.89
11 13 26 00-0016 Quartz Halogen Loading Dock Lights <small>(11 13 26 00-0007)</small>		
11 13 26 00-0017 EA 24" Long, Single Arm Loading Dock Light, 500W Quartz Halogen.....	318.77	103.89
11 13 26 00-0018 EA 40" Long, Dual Arm Loading Dock Light, 500W Quartz Halogen.....	344.51	103.89
11 13 26 00-0019 EA 60" Long, Dual Arm Loading Dock Light, 500W Quartz Halogen.....	366.49	103.89
11 14 Pedestrian Control Equipment <small>(11 10)</small>		
11 14 13 Pedestrian Gates <small>(11 14)</small>		
11 14 13 16 Rotary Gates <small>(11 14 13)</small>		
11 14 13 16-0001 Access Control Indoor Or Outdoor Impenetrability <small>(11 14 13 16)</small>		
11 14 13 16-0002 Mechanical <small>(11 14 13 16-0001)</small>		
11 14 13 16-0003 Galvanized Steel <small>(11 14 13 16-0002)</small>		
11 14 13 16-0004 EA One-Way, Single 7' High Exit Rotary Gate, 3 Rotor Sections, Galvanized Steel	7,083.92	1,173.56
11 14 13 16-0005 EA One-Way, Single 7' High Exit Rotary Gate, 4 Rotor Sections, Galvanized Steel	7,902.47	1,173.56
11 14 13 16-0006 EA One-Way, "Handicapped" 7' High Exit Rotary Gate, 4 Rotor Sections, Galvanized Steel	15,371.11	1,750.91
11 14 13 16-0007 EA One-Way, Double 7' High Exit Rotary Gate, 3 Or 4 Rotor Sections, Galvanized Steel.....	14,919.70	1,750.91
11 14 13 16-0008 Powder Coated Steel <small>(11 14 13 16-0002)</small>		
11 14 13 16-0009 EA One-Way, Single 7' High Exit Rotary Gate, 3 Rotor Sections, Powder Coated Steel	7,913.01	1,173.56
11 14 13 16-0010 EA One-Way, Single 7' High Exit Rotary Gate, 4 Rotor Sections, Powder Coated Steel	8,699.96	1,173.56
11 14 13 16-0011 EA One-Way, "Handicapped" 7' High Exit Rotary Gate, 3 Rotor Sections, Powder Coated Steel.....	17,945.66	1,750.91
11 14 13 16-0012 EA One-Way, Double 7' High Exit Rotary Gate, 3 Rotor Sections, Powder Coated Steel.....	16,279.95	1,750.91
11 14 13 16-0013 Anodized Aluminum <small>(11 14 13 16-0002)</small>		
11 14 13 16-0014 EA One-Way, Single 7' High Exit Rotary Gate, 3 Rotor Sections, Anodized Aluminum With Stainless Steel Arms	8,272.63	1,173.56
11 14 13 16-0015 EA One-Way, Single 7' High Exit Rotary Gate, 3 Rotor Sections, Complete Anodized Aluminum.....	13,781.34	1,173.56
11 14 13 16-0016 EA One-Way, Double 7' High Exit Rotary Gate, 3 Rotor Sections, Anodized Aluminum With Stainless Steel Arms.....	16,213.75	1,750.91
11 14 13 16-0017 EA One-Way, Double 7' High Exit Rotary Gate, 3 Rotor Sections, Complete Anodized Aluminum.....	26,590.16	1,750.91

11	Equipment
11 10	Vehicle And Pedestrian Equipment
11 14	Pedestrian Control Equipment



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 14 13 16-0018 Stainless Steel <small>(11 14 13 16-0002)</small>		
11 14 13 16-0019 EA One-Way, Single 7' High Exit Rotary Gate, 3 Rotor Sections, Stainless Steel.....	12,628.74	1,173.56
11 14 13 16-0020 EA One-Way, Single 7' High Exit Rotary Gate, 4 Rotor Sections, Stainless Steel.....	14,082.28	1,173.56
11 14 13 16-0021 EA One-Way, "Handicapped" 7' High Exit Rotary Gate, 3 Rotor Sections, Stainless Steel	20,186.15	1,750.91
11 14 13 16-0022 EA One-Way, Double 7' High Exit Rotary Gate, 3 Rotor Sections, Stainless Steel	24,910.91	1,750.91
11 14 13 16-0023 Transparent <small>(11 14 13 16-0002)</small>		
11 14 13 16-0024 EA One-Way, Single 7' High Exit Rotary Gate, 3 Rotor Sections, Transparent	24,314.24	1,173.74
11 14 13 16-0025 Mechanical Options <small>(11 14 13 16-0001)</small>		
11 14 13 16-0026 EA Out-of-Use Lock Option, Add.....	127.90	
11 14 13 16-0027 EA Heel Protector (Each Heel Protector), Add.....	90.28	
11 14 13 16-0028 Electrical, One-Way <small>(11 14 13 16-0001)</small>		
11 14 13 16-0029 Galvanized Steel <small>(11 14 13 16-0028)</small>		
11 14 13 16-0030 EA One-Way, Single 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Galvanized Steel	7,446.55	1,173.56
11 14 13 16-0031 EA One-Way, Single 7' High Exit Rotary Gate, Electric, 4 Rotor Sections, Galvanized Steel	8,266.61	1,173.56
11 14 13 16-0032 EA One-Way, "Handicapped" 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Galvanized Steel	16,725.34	1,750.91
11 14 13 16-0033 EA One-Way, Double 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Galvanized Steel	15,505.03	1,750.91
11 14 13 16-0034 EA One-Way, Double 7' High Exit Rotary Gate, Electric, 4 Rotor Sections, Galvanized Steel	16,725.34	1,750.91
11 14 13 16-0035 Powder Coated Steel <small>(11 14 13 16-0028)</small>		
11 14 13 16-0036 EA One-Way, Single 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Powder Coated Steel.....	8,274.13	1,173.56
11 14 13 16-0037 EA One-Way, Single 7' High Exit Rotary Gate, Electric, 4 Rotor Sections, Powder Coated Steel.....	9,190.50	1,173.56
11 14 13 16-0038 EA One-Way, "Handicapped" 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Powder Coated Steel	22,005.34	1,750.91
11 14 13 16-0039 EA One-Way, Double 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Powder Coated Steel	16,872.80	1,750.91
11 14 13 16-0040 EA One-Way, Double 7' High Exit Rotary Gate, Electric, 4 Rotor Sections, Powder Coated Steel	18,096.13	1,750.91
11 14 13 16-0041 Anodized Aluminum <small>(11 14 13 16-0028)</small>		
11 14 13 16-0042 EA One-Way, Single 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Anodized Aluminum With Stainless Steel Arms	8,424.60	1,173.56
11 14 13 16-0043 EA One-Way, Single 7' High Exit Rotary Gate, Electric, 4 Rotor Sections, Anodized Aluminum With Stainless Steel Arms	8,891.06	1,173.56
11 14 13 16-0044 EA One-Way, Single 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Complete Anodized Aluminum	14,232.75	1,173.56
11 14 13 16-0045 EA One-Way, Double 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Anodized Aluminum With Stainless Steel Arms	17,042.84	1,750.91
11 14 13 16-0046 EA One-Way, Double 7' High Exit Rotary Gate, Electric, 4 Rotor Sections, Anodized Aluminum With Stainless Steel Arms	18,831.92	1,750.91
11 14 13 16-0047 EA One-Way, Double 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Complete Anodized Aluminum	27,371.10	1,750.91
11 14 13 16-0048 Stainless Steel <small>(11 14 13 16-0028)</small>		
11 14 13 16-0049 EA One-Way, Single 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Stainless Steel	13,388.61	1,173.56
11 14 13 16-0050 EA One-Way, Single 7' High Exit Rotary Gate, Electric, 4 Rotor Sections, Stainless Steel	14,276.38	1,173.56
11 14 13 16-0051 EA One-Way, "Handicapped" 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Stainless Steel	23,008.97	1,750.91
11 14 13 16-0052 EA One-Way, Double 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Stainless Steel.....	26,071.04	1,750.91
11 14 13 16-0053 EA One-Way, Double 7' High Exit Rotary Gate, Electric, 4 Rotor Sections, Stainless Steel.....	28,627.52	1,750.91
11 14 13 16-0054 Transparent <small>(11 14 13 16-0028)</small>		
11 14 13 16-0055 EA One-Way, Single 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Transparent Arms	22,242.26	1,173.74
11 14 13 16-0056 EA One-Way, Single 7' High Exit Rotary Gate, Electric, 4 Rotor Sections, Transparent Arms	23,500.19	1,173.74
11 14 13 16-0057 EA One-Way, Single 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Transparent Panels	24,049.41	1,173.74
11 14 13 16-0058 EA One-Way, Double 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Transparent Arms.....	39,446.31	1,750.91
11 14 13 16-0059 EA One-Way, Double 7' High Exit Rotary Gate, Electric, 4 Rotor Sections, Transparent Arms.....	41,868.88	1,750.91
11 14 13 16-0060 Electrical, Two-Way <small>(11 14 13 16-0001)</small>		
11 14 13 16-0061 Galvanized Steel <small>(11 14 13 16-0060)</small>		
11 14 13 16-0062 EA Two-Way, Single 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Galvanized Steel	7,970.18	1,173.56
11 14 13 16-0063 EA Two-Way, Single 7' High Exit Rotary Gate, Electric, 4 Rotor Sections, Galvanized Steel	8,814.32	1,173.56
11 14 13 16-0064 EA Two-Way, "Handicapped" 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Galvanized Steel	19,602.33	1,750.91
11 14 13 16-0065 EA Two-Way, Double 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Galvanized Steel	16,439.45	1,750.91
11 14 13 16-0066 Powder Coated Steel <small>(11 14 13 16-0060)</small>		
11 14 13 16-0067 EA Two-Way, Single 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Powder Coated Steel.....	8,733.07	1,173.56
11 14 13 16-0068 EA Two-Way, Single 7' High Exit Rotary Gate, Electric, 4 Rotor Sections, Powder Coated Steel.....	9,702.09	1,173.56
11 14 13 16-0069 EA Two-Way, "Handicapped" 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Powder Coated Steel	22,459.76	1,750.91
11 14 13 16-0070 EA Two-Way, Double 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Powder Coated Steel	17,814.75	1,750.91



Equipment	11	
Vehicle And Pedestrian Equipment	11 10	11
Pedestrian Control Equipment	11 14	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 14 13 16-0071 Anodized Aluminum <small>(11 14 13 16-0060)</small>		
11 14 13 16-0072 EA Two-Way, Single 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Anodized Aluminum With Stainless Steel Arms	8,940.72	1,173.56
11 14 13 16-0073 EA Two-Way, Single 7' High Exit Rotary Gate, Electric, 4 Rotor Sections, Anodized Aluminum With Stainless Steel Arms	9,386.11	1,173.56
11 14 13 16-0074 EA Two-Way, Single 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Complete Anodized Aluminum	14,833.12	1,173.56
11 14 13 16-0075 EA Two-Way, Double 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Anodized Aluminum With Stainless Steel Arms	18,094.62	1,750.91
11 14 13 16-0076 EA Two-Way, Double 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Complete Anodized Aluminum	28,347.65	1,750.91
11 14 13 16-0077 Stainless Steel <small>(11 14 13 16-0060)</small>		
11 14 13 16-0078 EA Two-Way, Single 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Stainless Steel	13,897.20	1,173.56
11 14 13 16-0079 EA Two-Way, Single 7' High Exit Rotary Gate, Electric, 4 Rotor Sections, Stainless Steel	14,800.02	1,173.56
11 14 13 16-0080 EA Two-Way, "Handicapped" 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Stainless Steel	23,382.14	1,750.91
11 14 13 16-0081 EA Two-Way, Double 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Stainless Steel	26,823.39	1,750.91
11 14 13 16-0082 EA Two-Way, Double 7' High Exit Rotary Gate, Electric, 4 Rotor Sections, Stainless Steel	29,665.76	1,750.91
11 14 13 16-0083 Transparent <small>(11 14 13 16-0060)</small>		
11 14 13 16-0084 EA Two-Way, Single 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Transparent Arms	22,678.63	1,173.74
11 14 13 16-0085 EA Two-Way, Single 7' High Exit Rotary Gate, Electric, 4 Rotor Sections, Transparent Arms	23,861.32	1,173.74
11 14 13 16-0086 EA Two-Way, Single 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Transparent Panels	24,539.94	1,173.74
11 14 13 16-0087 EA Two-Way, Double 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Transparent Arms	40,364.18	1,750.91
11 14 13 16-0088 EA One-Way, Double 7' High Exit Rotary Gate, Electric, 4 Rotor Sections, Transparent Arms	42,621.23	1,750.91
11 14 13 16-0089 Electrical Options <small>(11 14 13 16-0001)</small>		
11 14 13 16-0090 EA Additional Set Of Electric Controls, Per Rotor, Add	501.07	
11 14 13 16-0091 EA Indicator Lights, Set, Red/Green, Per Controlled Direction, Add	352.10	
11 14 13 16-0092 EA Time-Out-Relay, Per Controlled Direction	115.86	
11 14 13 16-0093 EA Pulse-Relay, Per Controlled Direction	115.86	
11 14 13 16-0094 EA Pushbutton, Per Controlled Direction	91.79	
11 14 13 16-0095 EA Heel Protectors, (Per Heel Protector), Add	90.28	
11 14 13 16-0096 EA Card Reader Mounting Pad, Per Reader	82.76	
11 14 13 16-0097 EA Hydraulic Speed Control (Per Rotor), Add	2,102.07	
11 14 13 16-0098 Relocate Rotary Gate <small>(11 14 13 16-0001)</small>		
11 14 13 16-0099 EA Relocate Rotary Gate	3,447.32	
11 14 13 19 Turnstiles <small>(11 14 13)</small>		
11 14 13 19-0001 Security Turnstiles <small>(11 14 13 19)</small>		
11 14 13 19-0002 EA 7' Security Turnstile With Automatic Control Free Turning	7,322.69	582.46
Note: One direction, Type B.		
11 14 13 19-0003 EA 7' Security Turnstile, Type B Free Turning In Both Directions	6,499.22	582.46
11 14 13 19-0004 EA 7' Security Turnstile With Automatic Control Free Turning	8,600.26	582.46
Note: One direction, Type AA.		
11 14 13 19-0005 EA 7' Security Turnstile, Type AA Free Turning In Both Directions	7,846.32	582.46
11 14 13 19-0006 Turnstiles <small>(11 14 13 19)</small>		
11 14 13 19-0007 EA 24" Diameter Manual Turnstile, Three Arm, Two Way	1,606.87	341.62
11 14 13 19-0008 EA 24" Diameter Manual Turnstile, Three Arm, Two Way With Counter	2,030.56	341.62
11 20 Commercial Equipment <small>(11)</small>		
11 21 Retail and Service Equipment <small>(11 20)</small>		
11 21 63 Refrigerated Display Equipment <small>(11 21)</small>		
11 21 63 00-0001 Dairy Products <small>(11 21 63)</small>		
11 21 63 00-0002 Refrigerated Dairy Case <small>(11 21 63 00-0001)</small>		
11 21 63 00-0003 LF Refrigerated Case, Dairy, Multi-Deck	1,321.29	334.39
For Rear Sliding Doors, Add	19.95	
11 21 63 00-0004 Refrigerated Milk Unit <small>(11 21 63 00-0001)</small>		
11 21 63 00-0005 EA 46" x 32" x 49-1/2" Capacity: 12, 13" x 13" x 11" Refrigerated Milk Unit	4,954.66	243.48
11 21 63 00-0006 Refrigerated Ice Cream And Milk Dispenser <small>(11 21 63 00-0001)</small>		
11 21 63 00-0007 EA 63-1/2" x 28-1/2" x 35-3/8" Refrigerated Ice Cream And Milk Dispenser	5,491.82	267.39

11	11 Equipment
	11 20 Commercial Equipment
	11 21 Retail and Service Equipment



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 21 63 00-0008			Ice Cream Dispenser <small>(11 21 63 00-0001)</small>		
	11 21 63 00-0009	EA	46" x 28-1/2" x 35-3/8" Refrigerated Ice Cream Dispenser	4,587.98	225.14
11 21 63 00-0010			Drop-In Ice Cream Freezer <small>(11 21 63 00-0001)</small>		
	11 21 63 00-0011	EA	27-7/8" x 16-9/16" x 28-1/4" 6 Gallon Drop-In Ice Cream Freezer	1,144.17	56.04
	11 21 63 00-0012	EA	30" x 27-7/8" x 28-1/4" 12 Gallon Drop-In Ice Cream Freezer	1,495.09	73.27
11 21 63 00-0013			Ice Cream Cabinets <small>(11 21 63 00-0001)</small>		
	11 21 63 00-0014	EA	46" x 32" x 42", 24 Gallon Ice Cream Cabinet	3,583.05	175.11
	11 21 63 00-0015	EA	68" x 32" x 42", 48 Gallon Ice Cream Cabinet	5,106.88	252.71
11 21 63 00-0016			Delicatessen Case, Service Deli <small>(11 21 63)</small>		
	11 21 63 00-0017	LF	Delicatessen Case, Single-Deck	1,237.86	278.66
	11 21 63 00-0018	LF	Delicatessen Case, Multi-Deck	1,430.85	334.39
	11 21 63 00-0019	EA	Delicatessen Case, 3 Shelf, 32" x 23" x 23"	1,310.31	63.73
11 21 63 00-0020			Meat Case <small>(11 21 63)</small>		
	11 21 63 00-0021	LF	Meat Case, Single - Deck	1,026.92	334.39
	11 21 63 00-0022	LF	Meat Case, Multi - Deck	1,106.95	334.39
11 21 63 00-0023			Produce Case <small>(11 21 63)</small>		
	11 21 63 00-0024	LF	Produce Case, Single - Deck	1,057.30	334.39
	11 21 63 00-0025	LF	Produce Case, Multi - Deck	1,155.42	334.39
11 21 63 00-0026			Bottle Coolers <small>(11 21 63)</small>		
	11 21 63 00-0027	EA	Bottle Cooler, 6' Long	3,803.87	1,114.66
	11 21 63 00-0028	EA	Bottle Cooler, 10' Long	5,896.58	1,671.98
11 21 63 00-0029			Cold Pan Units <small>(11 21 63)</small>		
	11 21 63 00-0030	EA	5" x 48", Iced, Cold Pan Units	1,833.52	89.17
	11 21 63 00-0031	EA	5" x 72", Iced, Cold Pan Units	2,548.07	124.74
	11 21 63 00-0032	EA	8" x 72", Iced, Cold Pan Units	3,012.65	147.53
	11 21 63 00-0033	EA	5" x 48", Mechanical, Cold Pan Units	3,097.80	152.43
	11 21 63 00-0034	EA	8" x 48", Mechanical, Cold Pan Units	3,370.59	164.55
	11 21 63 00-0035	EA	8" x 72", Mechanical, Cold Pan Units	4,004.22	194.45
11 21 63 00-0036			Cold Cabinets (Insulated) <small>(11 21 63)</small>		
	11 21 63 00-0037	EA	69-3/4" x 32" x 24", Insulated Cold Cabinet	1,662.13	77.16

11 30 Residential Equipment (11)

11 30 13 Residential Appliances (11 30)

11 30 13 13 Residential Kitchen Appliances (11 30 13)

Note: Includes standard colors. Excludes stainless steel.

11 30 13 13-0001 Ranges With Ovens (11 30 13 13)

Note: Free standing or slide in.

11 30 13 13-0002 Electric Ranges With Ovens (11 30 13 13-0001)

11 30 13 13-0003	EA	20" Electric Range With Oven	493.33	72.16
		<i>For Stainless Steel, Add</i>	87.25	

11 30 13 13-0004	EA	24" Electric Range With Oven	513.33	72.16
		<i>For Stainless Steel, Add</i>	92.25	

11 30 13 13-0005	EA	30" Electric Range With Oven	543.33	72.16
		<i>For Stainless Steel, Add</i>	99.75	

11 30 13 13-0006 Gas Ranges With Ovens (11 30 13 13-0001)

11 30 13 13-0007	EA	20" Gas Range With Oven	543.33	72.16
		<i>For Stainless Steel, Add</i>	99.75	

11 30 13 13-0008	EA	24" Gas Range With Oven	569.33	72.16
		<i>For Stainless Steel, Add</i>	106.25	

11 30 13 13-0009	EA	30" Gas Range With Oven	593.33	72.16
		<i>For Stainless Steel, Add</i>	112.25	

11 30 13 13-0010 Range Hoods (11 30 13 13)

11 30 13 13-0011 Venting Range Hoods (11 30 13 13-0010)



Equipment	11
Residential Equipment	11 30
Residential Appliances	11 30 13

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 30 13 13-0012 EA 21" Venting Range Hood (Broan 40000) <i>For Stainless Steel, Add</i>	186.94 11.80	54.12
11 30 13 13-0013 EA 24" Venting Range Hood (Broan 40000) <i>For Stainless Steel, Add</i>	175.25 10.05	54.12
11 30 13 13-0014 EA 30" Venting Range Hood (Broan 40000) <i>For Stainless Steel, Add</i>	173.20 9.74	54.12
11 30 13 13-0015 EA 36" Venting Range Hood (Broan 40000) <i>For Stainless Steel, Add</i>	175.25 10.05	54.12
11 30 13 13-0016 Non-Ducted Range Hoods (11 30 13 13-0010)		
11 30 13 13-0017 EA 21" Non Ducted Range Hood (Broan 41000)..... <i>For Stainless Steel, Add</i>	188.45 12.03	54.12
11 30 13 13-0018 EA 24" Non Ducted Range Hood (Broan 41000)..... <i>For Stainless Steel, Add</i>	176.80 10.28	54.12
11 30 13 13-0019 EA 30" Non Ducted Range Hood (Broan 41000)..... <i>For Stainless Steel, Add</i>	174.74 9.97	54.12
11 30 13 13-0020 EA 36" Non Ducted Range Hood (Broan 41000)..... <i>For Stainless Steel, Add</i>	176.80 10.28	54.12
11 30 13 13-0021 Microwaves (11 30 13 13)		
11 30 13 13-0022 Countertop Microwaves (11 30 13 13-0021)		
11 30 13 13-0023 EA 1.1 CF Countertop Microwave Oven..... <i>For Stainless Steel, Add</i>	100.04 12.30	9.02
11 30 13 13-0024 EA 1.2 CF Countertop Microwave Oven..... <i>For Stainless Steel, Add</i>	118.03 15.00	9.02
11 30 13 13-0025 EA 1.3 CF Countertop Microwave Oven..... <i>For Stainless Steel, Add</i>	121.03 15.45	9.02
11 30 13 13-0026 EA 1.4 CF Countertop Microwave Oven..... <i>For Stainless Steel, Add</i>	147.04 19.35	9.02
11 30 13 13-0027 EA 1.5 CF Countertop Microwave Oven..... <i>For Stainless Steel, Add</i>	157.04 20.85	9.02
11 30 13 13-0028 EA 1.6 CF Countertop Microwave Oven..... <i>For Stainless Steel, Add</i>	167.04 22.35	9.02
11 30 13 13-0029 EA 1.7 CF Countertop Microwave Oven..... <i>For Stainless Steel, Add</i>	177.04 23.85	9.02
11 30 13 13-0030 EA 1.8 CF Countertop Microwave Oven..... <i>For Stainless Steel, Add</i>	187.04 25.35	9.02
11 30 13 13-0031 EA 2.0 CF Countertop Microwave Oven..... <i>For Stainless Steel, Add</i>	198.03 27.00	9.02
11 30 13 13-0032 Over-The-Range Microwaves (11 30 13 13-0021)		
11 30 13 13-0033 EA 1.5 CF Over-The Range Microwave <i>For Stainless Steel, Add</i>	363.82 38.34	72.15
11 30 13 13-0034 EA 1.6 CF Over-The Range Microwave <i>For Stainless Steel, Add</i>	407.23 44.85	72.15
11 30 13 13-0035 EA 1.7 CF Over-The Range Microwave <i>For Stainless Steel, Add</i>	421.22 46.95	72.15
11 30 13 13-0036 EA 1.8 CF Over-The Range Microwave <i>For Stainless Steel, Add</i>	526.22 62.70	72.15
11 30 13 13-0037 EA 2.0 CF Over-The Range Microwave <i>For Stainless Steel, Add</i>	427.23 47.85	72.15
11 30 13 13-0038 Trash Compactors (11 30 13 13)		
11 30 13 13-0039 EA 15" Built-In Trash Compactor, 4 To 1 Compaction <i>For Stainless Steel, Add</i>	793.33 116.82	72.16
11 30 13 13-0040 Refrigerators (11 30 13 13)		
11 30 13 13-0041 Top Freezer Refrigerators (11 30 13 13-0040)		
11 30 13 13-0042 EA Up To 10 CF Top Freezer Refrigerator..... <i>For Stainless Steel, Add</i>	392.15 48.00	36.08
11 30 13 13-0043 EA >10 To 12 CF Top Freezer Refrigerator <i>For Stainless Steel, Add</i>	471.16 59.85	36.08
11 30 13 13-0044 EA >12 To 14 CF Top Freezer Refrigerator <i>For Stainless Steel, Add</i>	522.15 67.50	36.08
11 30 13 13-0045 EA >14 To 16 CF Top Freezer Refrigerator <i>For Stainless Steel, Add</i>	552.15 72.00	36.08
11 30 13 13-0046 EA >16 To 18 CF Top Freezer Refrigerator <i>For Stainless Steel, Add</i>	632.15 84.00	36.08
11 30 13 13-0047 EA >18 To 20 CF Top Freezer Refrigerator <i>For Stainless Steel, Add</i>	701.16 94.35	36.08
11 30 13 13-0048 EA >20 To 22 CF Top Freezer Refrigerator <i>For Stainless Steel, Add</i>	752.15 102.00	36.08
11 30 13 13-0049 Side-By-Side Refrigerators (11 30 13 13-0040)		

11	Equipment
11 30	Residential Equipment
11 30 13	Residential Appliances



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 30 13 13-0050 EA Up To 22 CF Side-By-Side Refrigerator.....	772.04	36.08
For Stainless Steel, Add	104.98	
11 30 13 13-0051 EA >22 To 24 CF Side-By-Side Refrigerator.....	952.15	36.08
For Stainless Steel, Add	132.00	
11 30 13 13-0052 EA >24 To 26 CF Side-By-Side Refrigerator.....	1,072.15	36.08
For Stainless Steel, Add	150.00	
11 30 13 13-0053 Other Refrigerators (11 30 13 13-0040)		
11 30 13 13-0054 EA 1.7 CF Dormitory Sized Refrigerator.....	134.18	18.04
For Stainless Steel, Add	14.72	
11 30 13 13-0055 EA 4.4 CF Dormitory Sized Refrigerator.....	179.18	18.04
For Stainless Steel, Add	21.47	
11 30 13 13-0056 Freezers (11 30 13 13)		
11 30 13 13-0057 Upright Freezers (11 30 13 13-0056)		
11 30 13 13-0058 EA Up To 10 CF Upright Freezer.....	371.16	36.08
For Stainless Steel, Add	44.85	
11 30 13 13-0059 EA >10 To 12 CF Upright Freezer.....	471.16	36.08
For Stainless Steel, Add	59.85	
11 30 13 13-0060 EA >12 To 14 CF Upright Freezer.....	501.16	36.08
For Stainless Steel, Add	64.35	
11 30 13 13-0061 EA >14 To 16 CF Upright Freezer.....	571.16	36.08
For Stainless Steel, Add	74.85	
11 30 13 13-0062 EA >16 To 18 CF Upright Freezer.....	652.15	36.08
For Stainless Steel, Add	87.00	
11 30 13 13-0063 EA >18 To 20 CF Upright Freezer.....	692.16	36.08
For Stainless Steel, Add	93.00	
11 30 13 13-0064 EA >20 To 22 CF Upright Freezer.....	722.15	36.08
For Stainless Steel, Add	97.50	
11 30 13 13-0065 Chest Freezers (11 30 13 13-0056)		
11 30 13 13-0066 EA Up To 8 CF Chest Freezer.....	302.15	36.08
For Stainless Steel, Add	34.50	
11 30 13 13-0067 EA >8 To 10 CF Chest Freezer.....	372.15	36.08
For Stainless Steel, Add	45.00	
11 30 13 13-0068 EA >10 To 12 CF Chest Freezer.....	397.16	36.08
For Stainless Steel, Add	48.75	
11 30 13 13-0069 EA >12 To 14 CF Chest Freezer.....	442.15	36.08
For Stainless Steel, Add	55.50	
11 30 13 13-0070 EA >14 To 16 CF Chest Freezer.....	471.16	36.08
For Stainless Steel, Add	59.85	
11 30 13 13-0071 EA >16 To 18 CF Chest Freezer.....	571.16	36.08
For Stainless Steel, Add	74.85	
11 30 13 13-0072 EA >18 To 20 CF Chest Freezer.....	701.16	36.08
For Stainless Steel, Add	94.35	
11 30 13 13-0073 EA >20 To 22 CF Chest Freezer.....	722.15	36.08
For Stainless Steel, Add	97.50	
11 30 13 13-0074 Automatic Ice Makers (11 30 13 13)		
11 30 13 13-0075 EA 15" Wide, 50 LB Per Day, Automatic Ice Maker.....	1,342.33	72.16
11 30 13 13-0076 EA 18" Wide, 50 LB Per Day, Automatic Ice Maker.....	1,492.33	72.16
11 30 13 13-0077 Built-In Dishwashers (11 30 13 13)		
11 30 13 13-0078 EA 18" Built-In Dishwasher.....	674.32	72.16
For Stainless Steel, Add	79.50	
11 30 13 13-0079 EA 24" Built-In Dishwasher.....	464.32	72.16
For Stainless Steel, Add	48.00	
11 30 13 13-0080 Disposals (11 30 13 13)		
11 30 13 13-0081 EA 1/3 HP Insulated Garbage Disposal (GE GFC320V).....	177.25	54.12
11 30 13 13-0082 EA 1/2 HP Insulated Garbage Disposal (GE GFC520V).....	197.25	54.12
11 30 13 13-0083 EA 3/4 HP Insulated Garbage Disposal (GE GFC720V).....	247.25	54.12
11 30 13 13-0084 EA 1 HP Insulated Garbage Disposal (GE GFC1020V).....	297.25	54.12
11 30 13 13-0085 Removal And Reinstallation Of Kitchen Equipment (11 30 13 13)		
Note: Includes storage, cleaning and final connections.		
11 30 13 13-0086 EA Removal And Reinstallation Of Garbage Disposal.....	108.25	
11 30 13 13-0087 EA Removal And Reinstallation Of Stove/Range.....	216.48	
11 30 13 13-0088 EA Removal And Reinstallation Of Dishwasher.....	230.92	
11 30 13 13-0089 EA Removal And Reinstallation Of Range Hood.....	108.25	
11 30 13 13-0090 EA Removal And Reinstallation Of Washer And Dryer.....	180.40	



Equipment	11	
Residential Equipment	11 30	11
Residential Appliances	11 30 13	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 30 13 13-0091 Appliance Repair <small>(11 30 13 13)</small> Note: Includes removal.		
11 30 13 13-0092 EA 8" Burner Replacement.....	25.27	
11 30 13 13-0093 EA 4" Burner Element Replacement.....	42.43	
11 30 13 13-0094 EA 8" Burner Element Replacement.....	49.01	
11 30 13 13-0095 EA Burner Manifold Replacement.....	178.36	
11 30 13 13-0096 EA Burner Switch Replacement.....	68.27	
11 30 13 13-0097 EA Burner Tube, 5/8" x 4" Replacement.....	34.55	
11 30 13 13-0098 EA Oven Control Replacement.....	80.01	
11 30 13 13-0099 EA Oven Door Gasket Replacement.....	35.25	
11 30 13 13-0100 EA Oven Element Replacement.....	74.47	
11 30 13 13-0101 EA Oven Igniter Replacement.....	53.25	
11 30 13 13-0102 EA Oven Knobs Replacement.....	39.97	
11 30 13 13-0103 Accessories <small>(11 30 13 13)</small>		
11 30 13 13-0104 SF Colored Metal Range Splash Plate.....	11.57	2.89
11 30 13 13-0105 SF Stainless Steel Range Splash Plate.....	16.23	2.89
11 30 13 13-0106 Automatic Water Softener <small>(11 30 13 13)</small>		
11 30 13 13-0107 EA 30,000 Grain Capacity, Water Softener (Whirlpool WHES30).....	806.24	205.12
11 30 13 13-0108 EA 40,000 Grain Capacity, Water Softener (Whirlpool WHES40).....	929.08	205.12
11 30 13 23 Residential Laundry Appliances <small>(11 30 13)</small>		
11 30 13 23-0001 Washing Machines And Dryers <small>(11 30 13 23)</small>		
11 30 13 23-0002 Washing Machines <small>(11 30 13 23-0001)</small>		
11 30 13 23-0003 EA Up To 3.5 CF, Top Load Washing Machine.....	518.24	72.16
11 30 13 23-0004 EA >3.5 To 4 CF, Top Load Washing Machine.....	808.24	72.16
11 30 13 23-0005 EA >4 To 5 CF, Top Load Washing Machine.....	1,058.24	72.16
11 30 13 23-0006 Dryers <small>(11 30 13 23-0001)</small>		
11 30 13 23-0007 Electric Dryers <small>(11 30 13 23-0006)</small>		
11 30 13 23-0008 EA Up To 6 CF, Electric Dryer.....	407.25	72.16
11 30 13 23-0009 EA >6 To 6.5 CF, Electric Dryer.....	508.24	72.16
11 30 13 23-0010 EA >6.5 To 7 CF, Electric Dryer.....	618.24	72.16
11 30 13 23-0011 EA >7 To 7.5 CF, Electric Dryer.....	698.24	72.16
11 30 13 23-0012 Gas Dryers <small>(11 30 13 23-0006)</small>		
11 30 13 23-0013 EA Up To 6 CF, Gas Dryer.....	478.24	72.16
11 30 13 23-0014 EA >6 To 6.5 CF, Gas Dryer.....	578.24	72.16
11 30 13 23-0015 EA >6.5 To 7 CF, Gas Dryer.....	678.13	72.16
11 30 13 23-0016 EA >7 To 7.5 CF, Gas Dryer.....	768.24	72.16
11 30 33 Retractable Stairs <small>(11 30)</small>		
11 30 33 00-0001 Disappearing Folding Access Stairs <small>(11 30 33)</small>		
11 30 33 00-0002 250 LB Capacity, Wood Folding Access Stairs <small>(11 30 33 00-0001)</small>		
11 30 33 00-0003 EA 22-1/2" x 54" Rough Opening, 7' To 8' 9" Ceiling Height, Wood Folding Access Stairs, 250 LB Capacity.....	537.66	180.85
11 30 33 00-0004 EA 22-1/2" x 54" Rough Opening, 8' 9" To 10' 4" Ceiling Height, Wood Folding Access Stairs, 250 LB Capacity.....	546.12	180.85
11 30 33 00-0005 EA 25-1/2" x 54" Rough Opening, 7' To 8' 9" Ceiling Height, Wood Folding Access Stairs, 250 LB Capacity.....	546.12	180.85
11 30 33 00-0006 EA 25-1/2" x 54" Rough Opening, 8' 9" To 10' 4" Ceiling Height, Wood Folding Access Stairs, 250 LB Capacity.....	554.37	180.85
11 30 33 00-0007 350 LB Capacity, Wood Folding Access Stairs <small>(11 30 33 00-0001)</small>		
11 30 33 00-0008 EA 22-1/2" x 54" Rough Opening, 7' To 8' 9" Ceiling Height, Wood Folding Access Stairs, 350 LB Capacity.....	614.88	180.85
11 30 33 00-0009 EA 22-1/2" x 54" Rough Opening, 8' 9" To 10' 3" Ceiling Height, Wood Folding Access Stairs, 350 LB Capacity.....	631.98	180.85
11 30 33 00-0010 EA 25-1/2" x 54" Rough Opening, 7' To 8' 9" Ceiling Height, Wood Folding Access Stairs, 350 LB Capacity.....	624.95	180.85
11 30 33 00-0011 EA 25-1/2" x 54" Rough Opening, 8' 9" To 10' 3" Ceiling Height, Wood Folding Access Stairs, 350 LB Capacity.....	641.29	180.85
11 30 33 00-0012 EA 30" x 54" Rough Opening, 7' To 8' 9" Ceiling Height, Wood Folding Access Stairs, 350 LB Capacity.....	634.72	180.85
11 30 33 00-0013 EA 30" x 54" Rough Opening, 8' 9" To 10' 4" Ceiling Height, Wood Folding Access Stairs, 350 LB Capacity.....	662.96	180.85
11 30 33 00-0014 300 LB Capacity, Aluminum Folding Access Stairs <small>(11 30 33 00-0001)</small>		
11 30 33 00-0015 EA 22-1/2" x 54" Rough Opening, 7' To 8' 9" Ceiling Height, Aluminum Folding Access Stairs, 300 LB Capacity.....	637.68	180.85
11 30 33 00-0016 EA 22-1/2" x 54" Rough Opening, 8' 9" To 10' 4" Ceiling Height, Aluminum Folding Access Stairs, 300 LB Capacity.....	663.37	180.85
11 30 33 00-0017 EA 25-1/2" x 54" Rough Opening, 7' To 8' 9" Ceiling Height, Aluminum Folding Access Stairs, 300 LB Capacity.....	644.84	180.85
11 30 33 00-0018 EA 25-1/2" x 54" Rough Opening, 8' 9" To 10' 4" Ceiling Height, Aluminum Folding Access Stairs, 300 LB Capacity.....	670.51	180.85
11 30 33 00-0019 EA 25-1/2" x 54" Rough Opening, 10' 5" To 12' Ceiling Height, Aluminum Folding Access Stairs, 300 LB Capacity.....	813.47	180.85
11 30 33 00-0020 300 LB Capacity, Steel Folding Access Stairs <small>(11 30 33 00-0001)</small>		

11 Equipment
11 30 Residential Equipment
11 30 33 Retractable Stairs



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 30 33 00-0021	EA		22-1/2" x 54" Rough Opening, 7' 3" To 8' 4" Ceiling Height, Steel Folding Access Stairs, 300 LB Capacity.....	588.54	180.85
11 30 33 00-0022	EA		22-1/2" x 54" Rough Opening, 8' 4" To 10' 3" Ceiling Height, Steel Folding Access Stairs, 300 LB Capacity.....	612.62	180.85

11 32 Unit Kitchens (11 30)

11 32 13 Metal Unit Kitchens (11 32)

Note: Includes electrical hook-up to outlet, supply line connection to service stops, and drain line and p-trap. Excludes garbage disposer and hood exhaust vent piping.

11 32 13 00-0001 30" Compact Kitchen (11 32 13)

11 32 13 00-0002	EA		30" Compact Unit Kitchen With Refrigerator, Range And Sink.....	2,293.53	557.16
			<i>For Gas Unit, Add</i>	232.60	
11 32 13 00-0003	EA		30" Compact Unit Kitchen With Refrigerator And Sink.....	1,920.03	390.02
11 32 13 00-0004	EA		30" Compact Unit Kitchen With Refrigerator And Range.....	1,748.60	334.30
11 32 13 00-0005	EA		30" Compact Unit Kitchen Cabinet For Upper Wall Section.....	511.19	271.19
11 32 13 00-0006	EA		30" Compact Unit Kitchen Cabinet With Microwave And Hood Combination For Upper Wall Section.....	1,040.58	180.79
			<i>For Range Hood In Upper Section, Add</i>	179.00	
11 32 13 00-0007	EA		30" Compact Unit Kitchen Stainless Steel Shield For Rear Wall.....	66.25	14.43
11 32 13 00-0008	EA		30" Compact Unit Kitchen Stainless Steel Shield For Side Wall.....	59.61	14.43

11 32 13 00-0009 42" Compact Kitchen (11 32 13)

11 32 13 00-0010	EA		42" Compact Unit Kitchen With Refrigerator, Range And Sink.....	2,657.76	612.89
			<i>For Gas Unit, Add</i>	276.09	
11 32 13 00-0011	EA		42" Compact Unit Kitchen With Refrigerator And Sink.....	2,378.90	501.45
11 32 13 00-0012	EA		42" Compact Unit Kitchen Cabinet For Upper Wall Section.....	647.34	153.67
11 32 13 00-0013	EA		42" Compact Unit Kitchen Cabinet With Microwave And Hood Combination For Upper Wall Section.....	1,206.78	203.39
			<i>For Range Hood In Upper Section, Add</i>	179.00	
11 32 13 00-0014	EA		42" Compact Unit Kitchen Stainless Steel Shield For Rear Wall.....	79.61	14.43
11 32 13 00-0015	EA		42" Compact Unit Kitchen Stainless Steel Shield For Side Wall.....	66.53	14.43

11 32 13 00-0016 54" Compact Kitchen (11 32 13)

11 32 13 00-0017	EA		54" Compact Unit Kitchen With Refrigerator, Oven, Range And Sink.....	3,580.07	780.03
			<i>For Gas Unit, Add</i>	381.00	
11 32 13 00-0018	EA		54" Compact Unit Kitchen Cabinet For Upper Wall Section.....	801.58	90.40
11 32 13 00-0019	EA		54" Compact Unit Kitchen Cabinet With Microwave And Hood Combination For Upper Wall Section.....	1,341.98	225.99
			<i>For Range Hood In Upper Section, Add</i>	179.00	
11 32 13 00-0020	EA		54" Compact Unit Kitchen Stainless Steel Shield For Rear Wall.....	92.63	14.43
11 32 13 00-0021	EA		54" Compact Unit Kitchen Stainless Steel Shield For Side Wall.....	69.26	14.43

11 32 13 00-0022 60" Compact Kitchen (11 32 13)

11 32 13 00-0023	EA		60" Compact Unit Kitchen With Refrigerator, Oven, Range, And Sink.....	3,771.50	835.75
			<i>For Gas Unit, Add</i>	398.58	
11 32 13 00-0024	EA		60" Compact Unit Kitchen Cabinet For Upper Wall Section.....	951.98	225.99
11 32 13 00-0025	EA		60" Compact Unit Kitchen Stainless Steel Shield For Rear Wall.....	98.24	14.43
11 32 13 00-0026	EA		60" Compact Unit Kitchen Stainless Steel Shield For Side Wall.....	69.26	14.43

11 32 13 00-0027 72" Compact Kitchen (11 32 13)

11 32 13 00-0028	EA		72" Compact Unit Kitchen With Refrigerator, Oven, Range And Sink.....	4,042.93	891.47
			<i>For Gas Unit, Add</i>	428.15	
11 32 13 00-0029	EA		72" Compact Unit Kitchen Cabinet For Upper Wall Section.....	1,162.37	271.19
11 32 13 00-0030	EA		72" Compact Unit Kitchen Stainless Steel Shield For Rear Wall.....	114.59	18.04
11 32 13 00-0031	EA		72" Compact Unit Kitchen Stainless Steel Shield For Side Wall.....	72.53	18.04

11 40 Foodservice Equipment (11)

11 41 Foodservice Storage Equipment (11 40)

11 41 13 Refrigerated Food Storage Cases (11 41)

11 41 13 00-0001 Frozen Food Cases (11 41 13)

11 41 13 00-0002	LF		Chest Type Frozen Food Case.....	1,051.93	334.39
11 41 13 00-0003	LF		Reach-in Frozen Food Case (Glass Door).....	1,769.48	334.39
11 41 13 00-0004	LF		Island Type Frozen Food Case.....	1,172.43	334.39
11 41 13 00-0005	LF		Multi-Deck Frozen Food Case.....	1,711.17	334.39

11 41 13 00-0006 Reach-In Refrigerators (11 41 13)

11 41 13 00-0007	EA		Single Section, 24.2 CF, Full Door, Self Contained, Reach-In Refrigerator.....	2,874.92	145.75
11 41 13 00-0008	EA		Two Section, 46.0 CF, Full Door, Self Contained, Reach-In Refrigerator.....	3,544.53	183.83
11 41 13 00-0009	EA		Three Section, 69.1 CF, Full Door, Self Contained, Reach-In Refrigerator.....	4,702.95	203.09
11 41 13 00-0010	EA		Single Section, Glass Door, 24.2 CF, Full Door, Self Contained, Reach-In Refrigerator.....	3,089.03	145.75
11 41 13 00-0011	EA		Two Section, Glass Door, 46.0 CF, Full Door, Self Contained, Reach-In Refrigerator.....	4,015.18	183.83
11 41 13 00-0012	EA		Three Section, Glass Door, 61.1 CF, Full Door, Self Contained, Reach-In Refrigerator.....	5,313.99	203.09
11 41 13 00-0013	EA		Single Section, Pass-Thru, 24.2 CF, Full Door, Self Contained, Reach-In Refrigerator.....	3,430.89	145.75
11 41 13 00-0014	EA		Two Section, Pass-Thru, 46.0 CF, Full Door, Self Contained, Reach-In Refrigerator.....	4,630.77	183.83



Equipment	11
Foodservice Equipment	11 40
Foodservice Storage Equipment	11 41

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 41 13 00-0015 EA Single Section, Pass-Thru, Glass Door, 25.6 CF, Full Door, Self Contained, Reach-In Refrigerator.....	4,160.44	145.75
11 41 13 00-0016 EA Two Section, Pass-Thru, Glass Door, 48.8 CF, Full Door, Self Contained, Reach-In Refrigerator.....	5,978.17	183.83
11 41 13 00-0017 Reach-In Freezers ^(11 41 13)		
11 41 13 00-0018 EA Single Section, 24.2 CF, Full Door, Self Contained, Reach-In Freezer	3,219.79	145.93
11 41 13 00-0019 EA Two Section, 46.0 CF, Full Door, Self Contained, Reach-In Freezer.....	4,261.85	183.56
11 41 23 Walk-In-Coolers ^(11 41)		
11 41 23 00-0001 Walk-In Refrigerated Boxes ^(11 41 23)		
Note: Overall heights include 4" floor panel and 4" ceiling panel.		
11 41 23 00-0002 Walk-In Refrigerated Unit, 7'6" High With Floor ^(11 41 23 00-0001)		
Note: 10 Gauge smooth aluminum floor, galvalume exterior and interior panels (walls and ceiling), includes 36" x 78" hinged door. Excludes extra accessories, refrigeration, partitions or roof. 6', 7', 8' and 9' wide.		
11 41 23 00-0003 EA 6' x 6' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	7,136.17	1,093.18
<i>For Refrigerated Boxes Without Floor, Deduct</i>		
	-1,419.59	
11 41 23 00-0004 EA 6' x 8' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	8,502.32	1,229.83
<i>For Refrigerated Boxes Without Floor, Deduct</i>		
	-1,715.64	
11 41 23 00-0005 EA 6' x 10' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	9,025.21	1,366.47
<i>For Refrigerated Boxes Without Floor, Deduct</i>		
	-1,800.81	
11 41 23 00-0006 EA 6' x 12' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	10,237.07	1,639.76
<i>For Refrigerated Boxes Without Floor, Deduct</i>		
	-2,012.97	
11 41 23 00-0007 EA 6' x 14' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	11,816.09	1,913.07
<i>For Refrigerated Boxes Without Floor, Deduct</i>		
	-2,316.68	
11 41 23 00-0008 EA 6' x 16' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	13,086.09	2,186.36
<i>For Refrigerated Boxes Without Floor, Deduct</i>		
	-2,542.61	
11 41 23 00-0009 EA 6' x 18' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	14,334.30	2,459.65
<i>For Refrigerated Boxes Without Floor, Deduct</i>		
	-2,763.69	
11 41 23 00-0010 EA 8' x 8' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	9,373.03	1,366.47
<i>For Refrigerated Boxes Without Floor, Deduct</i>		
	-1,887.77	
11 41 23 00-0011 EA 8' x 10' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	10,260.53	1,503.12
<i>For Refrigerated Boxes Without Floor, Deduct</i>		
	-2,064.23	
11 41 23 00-0012 EA 8' x 12' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	11,589.39	1,776.42
<i>For Refrigerated Boxes Without Floor, Deduct</i>		
	-2,304.95	
11 41 23 00-0013 EA 8' x 14' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	13,312.38	2,049.71
<i>For Refrigerated Boxes Without Floor, Deduct</i>		
	-2,644.86	
11 41 23 00-0014 EA 8' x 16' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	14,661.00	2,323.00
<i>For Refrigerated Boxes Without Floor, Deduct</i>		
	-2,891.19	
11 41 23 00-0015 EA 8' x 18' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	16,051.19	2,596.30
<i>For Refrigerated Boxes Without Floor, Deduct</i>		
	-3,147.21	
11 41 23 00-0016 EA 8' x 20' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	17,398.25	2,869.60
<i>For Refrigerated Boxes Without Floor, Deduct</i>		
	-3,393.54	
11 41 23 00-0017 EA 8' x 22' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	18,784.78	3,142.89
<i>For Refrigerated Boxes Without Floor, Deduct</i>		
	-3,648.29	
11 41 23 00-0018 EA 8' x 24' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	20,138.47	3,416.18
<i>For Refrigerated Boxes Without Floor, Deduct</i>		
	-3,895.89	
11 41 23 00-0019 Walk-In Refrigerated Unit, 7'6" High With Floor ^(11 41 23 00-0001)		
Note: 10 Gauge smooth aluminum floor, galvalume exterior and interior panels (walls and ceiling), includes 36" x 78" hinged door. Excludes extra accessories, refrigeration, partitions or roof. 10', 11' and 12' wide.		
11 41 23 00-0020 EA 10' x 10' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	11,609.99	1,639.76
<i>For Refrigerated Boxes Without Floor, Deduct</i>		
	-2,356.20	
11 41 23 00-0021 EA 10' x 12' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	13,053.35	1,913.07
<i>For Refrigerated Boxes Without Floor, Deduct</i>		
	-2,625.99	
11 41 23 00-0022 EA 10' x 14' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	14,556.93	2,186.36
<i>For Refrigerated Boxes Without Floor, Deduct</i>		
	-2,910.32	
11 41 23 00-0023 EA 10' x 16' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	15,980.58	2,459.65
<i>For Refrigerated Boxes Without Floor, Deduct</i>		
	-3,175.26	
11 41 23 00-0024 EA 10' x 18' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	17,503.51	2,732.94
<i>For Refrigerated Boxes Without Floor, Deduct</i>		
	-3,465.71	

11 Equipment**11 40 Foodservice Equipment****11 41 Foodservice Storage Equipment**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 41 23 00-0025	EA		10' x 20' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	18,928.68	3,006.24
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-3,729.38	
11 41 23 00-0026	EA		10' x 22' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	20,455.79	3,279.54
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-4,021.35	
11 41 23 00-0027	EA		10' x 24' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	21,872.80	3,552.83
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-4,284.77	
11 41 23 00-0028	EA		10' x 26' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	23,399.62	3,826.12
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-4,575.21	
11 41 23 00-0029	EA		10' x 28' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	24,826.52	4,099.42
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-4,840.16	
11 41 23 00-0030	EA		10' x 30' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	26,534.30	4,509.36
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-5,130.86	
11 41 23 00-0031	EA		10' x 32' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	28,125.67	4,919.30
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-5,394.27	
11 41 23 00-0032	EA		12' x 12' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	14,398.68	2,049.71
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-2,916.44	
11 41 23 00-0033	EA		12' x 14' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	16,053.30	2,323.00
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-3,239.27	
11 41 23 00-0034	EA		12' x 16' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	17,581.19	2,596.30
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-3,529.71	
11 41 23 00-0035	EA		12' x 18' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	19,228.13	2,869.60
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-3,851.01	
11 41 23 00-0036	EA		12' x 20' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	20,763.58	3,142.89
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-4,142.99	
11 41 23 00-0037	EA		12' x 22' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	22,411.03	3,416.18
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-4,464.03	
11 41 23 00-0038	EA		12' x 24' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	23,933.27	3,689.48
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-4,754.48	
11 41 23 00-0039	EA		12' x 26' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	25,591.98	3,962.77
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-5,077.31	
11 41 23 00-0040	EA		12' x 28' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	27,212.48	4,304.39
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-5,367.75	
11 41 23 00-0041	EA		12' x 30' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	29,043.66	4,714.34
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-5,689.05	
11 41 23 00-0042	EA		12' x 32' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	30,756.47	5,124.27
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-5,981.03	
11 41 23 00-0043	EA		12' x 34' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	32,581.33	5,534.21
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-6,302.07	
11 41 23 00-0044	EA		12' x 36' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	34,284.00	5,944.16
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-6,592.52	
11 41 23 00-0045			Walk-In Refrigerated Unit, 7'6" High With Floor <small>(11 41 23 00-0001)</small> Note: 10 Gauge smooth aluminum floor, galvalume exterior and interior panels (walls and ceiling), includes 36" x 78" hinged door. Excludes extra accessories, refrigeration, partitions or roof. 13', 14' and 15' wide.		
11 41 23 00-0046	EA		14' x 14' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	18,910.02	2,459.65
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-3,907.62	
11 41 23 00-0047	EA		14' x 16' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	20,745.07	2,732.94
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-4,276.10	
11 41 23 00-0048	EA		14' x 18' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	22,727.16	3,006.24
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-4,679.00	
11 41 23 00-0049	EA		14' x 20' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	24,561.29	3,279.54
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-5,047.73	
11 41 23 00-0050	EA		14' x 22' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	26,530.12	3,552.83
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-5,449.10	
11 41 23 00-0051	EA		14' x 24' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	28,376.20	3,826.12
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-5,819.36	



Equipment	11
Foodservice Equipment	11 40
Foodservice Storage Equipment	11 41

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 41 23 00-0052 EA 14' x 26' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	30,348.80	4,099.42
<i>For Refrigerated Boxes Without Floor, Deduct</i>	-6,220.73	
11 41 23 00-0053 EA 14' x 28' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	32,368.70	4,509.36
<i>For Refrigerated Boxes Without Floor, Deduct</i>	-6,589.46	
11 41 23 00-0054 EA 14' x 30' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	34,518.01	4,919.30
<i>For Refrigerated Boxes Without Floor, Deduct</i>	-6,992.36	
11 41 23 00-0055 EA 14' x 32' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	36,560.37	5,329.25
<i>For Refrigerated Boxes Without Floor, Deduct</i>	-7,360.83	
11 41 23 00-0056 EA 14' x 34' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	38,697.99	5,739.19
<i>For Refrigerated Boxes Without Floor, Deduct</i>	-7,762.46	
11 41 23 00-0057 EA 14' x 36' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	40,728.68	6,080.81
<i>For Refrigerated Boxes Without Floor, Deduct</i>	-8,132.46	
11 41 23 00-0058 Walk-In Refrigerated Unit, 7'6" High With Floor <small>(11 41 23 00-0001)</small>		
<i>Note: 10 Gauge smooth aluminum floor, galvalume exterior and interior panels (walls and ceiling), includes 36" x 78" hinged door. Excludes extra accessories, refrigeration, partitions or roof. 16', 17' and 18' wide.</i>		
11 41 23 00-0059 EA 16' x 16' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	22,656.35	2,869.60
<i>For Refrigerated Boxes Without Floor, Deduct</i>	-4,708.07	
11 41 23 00-0060 EA 16' x 18' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	24,767.08	3,142.89
<i>For Refrigerated Boxes Without Floor, Deduct</i>	-5,143.86	
11 41 23 00-0061 EA 16' x 20' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	26,810.29	3,416.18
<i>For Refrigerated Boxes Without Floor, Deduct</i>	-5,563.85	
11 41 23 00-0062 EA 16' x 22' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	28,920.05	3,689.48
<i>For Refrigerated Boxes Without Floor, Deduct</i>	-6,001.17	
11 41 23 00-0063 EA 16' x 24' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	30,967.38	3,962.77
<i>For Refrigerated Boxes Without Floor, Deduct</i>	-6,421.16	
11 41 23 00-0064 EA 16' x 26' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	33,169.28	4,304.39
<i>For Refrigerated Boxes Without Floor, Deduct</i>	-6,856.95	
11 41 23 00-0065 EA 16' x 28' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	35,401.32	4,714.34
<i>For Refrigerated Boxes Without Floor, Deduct</i>	-7,278.47	
11 41 23 00-0066 EA 16' x 30' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	37,689.41	5,124.27
<i>For Refrigerated Boxes Without Floor, Deduct</i>	-7,714.26	
11 41 23 00-0067 EA 16' x 32' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	39,910.03	5,534.21
<i>For Refrigerated Boxes Without Floor, Deduct</i>	-8,134.25	
11 41 23 00-0068 EA 16' x 34' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	42,200.22	5,944.16
<i>For Refrigerated Boxes Without Floor, Deduct</i>	-8,571.57	
11 41 23 00-0069 EA 18' x 18' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	26,493.17	3,279.54
<i>For Refrigerated Boxes Without Floor, Deduct</i>	-5,530.70	
11 41 23 00-0070 EA 18' x 20' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	28,655.80	3,552.83
<i>For Refrigerated Boxes Without Floor, Deduct</i>	-5,980.52	
11 41 23 00-0071 EA 18' x 22' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	30,929.26	3,826.12
<i>For Refrigerated Boxes Without Floor, Deduct</i>	-6,457.62	
11 41 23 00-0072 EA 18' x 24' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	33,090.56	4,099.42
<i>For Refrigerated Boxes Without Floor, Deduct</i>	-6,906.17	
11 41 23 00-0073 EA 18' x 26' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	35,549.06	4,509.36
<i>For Refrigerated Boxes Without Floor, Deduct</i>	-7,384.55	
11 41 23 00-0074 EA 18' x 28' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	37,880.95	4,919.30
<i>For Refrigerated Boxes Without Floor, Deduct</i>	-7,833.09	
11 41 23 00-0075 EA 18' x 30' Walk-in Refrigerated Box, 7' 6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	40,357.83	5,329.25
<i>For Refrigerated Boxes Without Floor, Deduct</i>	-8,310.20	
11 41 23 00-0076 EA 18' x 32' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	42,688.23	5,739.19
<i>For Refrigerated Boxes Without Floor, Deduct</i>	-8,760.02	
11 41 23 00-0077 EA 18' x 34' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	45,147.32	6,149.13
<i>For Refrigerated Boxes Without Floor, Deduct</i>	-9,237.12	
11 41 23 00-0078 EA 18' x 36' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	47,654.44	6,650.18
<i>For Refrigerated Boxes Without Floor, Deduct</i>	-9,685.67	

11 Equipment**11 40 Foodservice Equipment****11 41 Foodservice Storage Equipment**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 41 23 00-0079			Walk-In Refrigerated Unit, 8'6" High With Floor <small>(11 41 23 00-0001)</small> Note: 10 Gauge smooth aluminum floor, galvalume exterior and interior panels (walls and ceiling), includes 36" x 78" hinged door. Excludes extra accessories, refrigeration, partitions or roof. 6', 7', 8' and 9' wide.		
11 41 23 00-0080	EA		6' x 6' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	7,505.41	1,093.18
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-1,511.90	
11 41 23 00-0081	EA		6' x 8' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	8,645.12	1,229.83
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-1,751.34	
11 41 23 00-0082	EA		6' x 10' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	9,494.41	1,366.47
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-1,918.11	
11 41 23 00-0083	EA		6' x 12' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	10,775.63	1,639.76
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-2,147.61	
11 41 23 00-0084	EA		6' x 14' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	12,385.25	1,913.07
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-2,458.97	
11 41 23 00-0085	EA		6' x 16' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	13,724.61	2,186.36
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-2,702.24	
11 41 23 00-0086	EA		6' x 18' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	15,003.42	2,459.65
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-2,930.97	
11 41 23 00-0087	EA		8' x 8' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	9,880.99	1,366.47
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-2,014.76	
11 41 23 00-0088	EA		8' x 10' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	10,799.09	1,503.12
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-2,198.87	
11 41 23 00-0089	EA		8' x 12' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	12,197.31	1,776.42
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-2,456.93	
11 41 23 00-0090	EA		8' x 14' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	13,950.90	2,049.71
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-2,804.49	
11 41 23 00-0091	EA		8' x 16' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	15,368.88	2,323.00
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-3,068.16	
11 41 23 00-0092	EA		8' x 18' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	16,789.67	2,596.30
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-3,331.83	
11 41 23 00-0093	EA		8' x 20' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	18,206.09	2,869.60
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-3,595.50	
11 41 23 00-0094	EA		8' x 22' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	19,623.22	3,142.89
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-3,857.90	
11 41 23 00-0095	EA		8' x 24' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	21,046.27	3,416.18
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-4,122.84	
11 41 23 00-0096			Walk-In Refrigerated Unit, 8'6" High With Floor <small>(11 41 23 00-0001)</small> Note: 10 Gauge smooth aluminum floor, galvalume exterior and interior panels (walls and ceiling), includes 36" x 78" hinged door. Excludes extra accessories, refrigeration, partitions or panel. 10', 11' and 12' wide.		
11 41 23 00-0097	EA		10' x 10' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	12,179.15	1,639.76
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-2,498.49	
11 41 23 00-0098	EA		10' x 12' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	13,691.87	1,913.07
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-2,785.62	
11 41 23 00-0099	EA		10' x 14' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	15,226.05	2,186.36
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-3,077.60	
11 41 23 00-0100	EA		10' x 16' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	16,719.06	2,459.65
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-3,359.88	
11 41 23 00-0101	EA		10' x 18' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	18,272.59	2,732.94
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-3,657.98	
11 41 23 00-0102	EA		10' x 20' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	19,767.12	3,006.24
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-3,938.99	
11 41 23 00-0103	EA		10' x 22' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	21,324.83	3,279.54
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-4,238.61	
11 41 23 00-0104	EA		10' x 24' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	22,811.20	3,552.83
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-4,519.37	
11 41 23 00-0105	EA		10' x 26' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	24,368.62	3,826.12
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-4,817.46	



Equipment	11
Foodservice Equipment	11 40
Foodservice Storage Equipment	11 41

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 41 23 00-0106 EA 10' x 28' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	25,864.88	4,099.42
<i>For Refrigerated Boxes Without Floor, Deduct</i>	-5,099.75	
11 41 23 00-0107 EA 10' x 30' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	27,603.26	4,509.36
<i>For Refrigerated Boxes Without Floor, Deduct</i>	-5,398.10	
11 41 23 00-0108 EA 10' x 32' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	29,263.99	4,850.98
<i>For Refrigerated Boxes Without Floor, Deduct</i>	-5,678.85	
11 41 23 00-0109 EA 12' x 12' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	15,106.56	2,049.71
<i>For Refrigerated Boxes Without Floor, Deduct</i>	-3,093.41	
11 41 23 00-0110 EA 12' x 14' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	16,791.78	2,323.00
<i>For Refrigerated Boxes Without Floor, Deduct</i>	-3,423.89	
11 41 23 00-0111 EA 12' x 16' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	18,389.03	2,596.30
<i>For Refrigerated Boxes Without Floor, Deduct</i>	-3,731.67	
11 41 23 00-0112 EA 12' x 18' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	20,066.57	2,869.60
<i>For Refrigerated Boxes Without Floor, Deduct</i>	-4,060.62	
11 41 23 00-0113 EA 12' x 20' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	21,671.38	3,142.89
<i>For Refrigerated Boxes Without Floor, Deduct</i>	-4,369.94	
11 41 23 00-0114 EA 12' x 22' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	23,349.43	3,416.18
<i>For Refrigerated Boxes Without Floor, Deduct</i>	-4,698.63	
11 41 23 00-0115 EA 12' x 24' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	24,941.03	3,689.48
<i>For Refrigerated Boxes Without Floor, Deduct</i>	-5,006.42	
11 41 23 00-0116 EA 12' x 26' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	26,630.34	3,962.77
<i>For Refrigerated Boxes Without Floor, Deduct</i>	-5,336.90	
11 41 23 00-0117 EA 12' x 28' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	28,320.20	4,304.39
<i>For Refrigerated Boxes Without Floor, Deduct</i>	-5,644.68	
11 41 23 00-0118 EA 12' x 30' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	30,181.98	4,714.34
<i>For Refrigerated Boxes Without Floor, Deduct</i>	-5,973.63	
11 41 23 00-0119 EA 12' x 32' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	31,964.15	5,124.27
<i>For Refrigerated Boxes Without Floor, Deduct</i>	-6,282.95	
11 41 23 00-0120 EA 12' x 34' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	33,819.61	5,534.21
<i>For Refrigerated Boxes Without Floor, Deduct</i>	-6,611.64	
11 41 23 00-0121 EA 12' x 36' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	35,591.64	5,944.16
<i>For Refrigerated Boxes Without Floor, Deduct</i>	-6,919.43	
11 41 23 00-0122 Walk-In Refrigerated Unit, 8'6" High With Floor <small>(11 41 23 00-0001)</small>		
<i>Note: 10 Gauge smooth aluminum floor, galvalume exterior and interior panels (walls and ceiling), includes 36" x 78" hinged door. Excludes extra accessories, refrigeration, partitions or roof. 13', 14' and 15' wide.</i>		
11 41 23 00-0123 EA 14' x 14' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	19,679.10	2,459.65
<i>For Refrigerated Boxes Without Floor, Deduct</i>	-4,099.89	
11 41 23 00-0124 EA 14' x 16' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	21,583.51	2,732.94
<i>For Refrigerated Boxes Without Floor, Deduct</i>	-4,485.71	
11 41 23 00-0125 EA 14' x 18' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	23,596.20	3,006.24
<i>For Refrigerated Boxes Without Floor, Deduct</i>	-4,896.26	
11 41 23 00-0126 EA 14' x 20' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	25,499.69	3,279.54
<i>For Refrigerated Boxes Without Floor, Deduct</i>	-5,282.33	
11 41 23 00-0127 EA 14' x 22' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	27,499.12	3,552.83
<i>For Refrigerated Boxes Without Floor, Deduct</i>	-5,691.35	
11 41 23 00-0128 EA 14' x 24' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	29,414.56	3,826.12
<i>For Refrigerated Boxes Without Floor, Deduct</i>	-6,078.95	
11 41 23 00-0129 EA 14' x 26' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	31,417.76	4,099.42
<i>For Refrigerated Boxes Without Floor, Deduct</i>	-6,487.97	
11 41 23 00-0130 EA 14' x 28' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	33,507.02	4,509.36
<i>For Refrigerated Boxes Without Floor, Deduct</i>	-6,874.04	
11 41 23 00-0131 EA 14' x 30' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	35,686.93	4,919.30
<i>For Refrigerated Boxes Without Floor, Deduct</i>	-7,284.59	
11 41 23 00-0132 EA 14' x 32' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	37,798.65	5,329.25
<i>For Refrigerated Boxes Without Floor, Deduct</i>	-7,670.40	

11 Equipment
11 40 Foodservice Equipment
11 41 Foodservice Storage Equipment



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 41 23 00-0133	EA		14' x 34' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	39,966.87	5,739.19
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-8,079.68	
11 41 23 00-0134	EA		14' x 36' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	42,066.92	6,149.13
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-8,467.02	
11 41 23 00-0135			Walk-In Refrigerated Unit, 8'6" High With Floor <small>(11 41 23 00-0001)</small>		
			Note: 10 Gauge smooth aluminum floor, galvalume exterior and interior panels (walls and ceiling), includes 36" x 78" hinged door. Excludes extra accessories, refrigeration, partitions or roof. 16', 17' and 18' wide.		
11 41 23 00-0136	EA		16' x 16' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	23,564.15	2,869.60
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-4,935.02	
11 41 23 00-0137	EA		16' x 18' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	25,705.48	3,142.89
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-5,378.46	
11 41 23 00-0138	EA		16' x 20' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	27,818.05	3,416.18
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-5,815.79	
11 41 23 00-0139	EA		16' x 22' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	29,958.41	3,689.48
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-6,260.76	
11 41 23 00-0140	EA		16' x 24' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	32,075.10	3,962.77
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-6,698.09	
11 41 23 00-0141	EA		16' x 26' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	34,307.60	4,304.39
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-7,141.53	
11 41 23 00-0142	EA		16' x 28' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	36,609.00	4,714.34
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-7,580.39	
11 41 23 00-0143	EA		16' x 30' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	38,927.69	5,124.27
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-8,023.83	
11 41 23 00-0144	EA		16' x 32' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	41,217.67	5,534.21
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-8,461.16	
11 41 23 00-0145	EA		16' x 34' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	43,538.46	5,944.16
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-8,906.13	
11 41 23 00-0146	EA		18' x 18' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	27,462.17	3,279.54
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-5,772.95	
11 41 23 00-0147	EA		18' x 20' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	29,694.16	3,552.83
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-6,240.11	
11 41 23 00-0148	EA		18' x 22' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	31,998.22	3,826.12
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-6,724.86	
11 41 23 00-0149	EA		18' x 24' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	34,228.88	4,099.42
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-7,190.75	
11 41 23 00-0150	EA		18' x 26' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	36,717.98	4,509.36
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-7,676.78	
11 41 23 00-0151	EA		18' x 28' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	39,119.23	4,919.30
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-8,142.66	
11 41 23 00-0152	EA		18' x 30' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	41,626.71	5,329.25
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-8,627.42	
11 41 23 00-0153	EA		18' x 32' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	44,026.47	5,739.19
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-9,094.58	
11 41 23 00-0154	EA		18' x 34' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	46,516.16	6,149.13
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-9,579.33	
11 41 23 00-0155	EA		18' x 36' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	49,092.64	6,650.18
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-10,045.22	
11 41 23 00-0156			Walk-In Refrigerated Unit Metal Price Add-Ons <small>(11 41 23 00-0001)</small>		
11 41 23 00-0157	SF		Metal Price Add-on, 190 Series Embossed White Polyester vs. 24 Gauge Galvalume	0.43	
11 41 23 00-0158	SF		Metal Price Add-ons, 24 GA White Polyester vs. 24 Gauge Galvalume	0.80	
11 41 23 00-0159	SF		Metal Price Add-ons, 0.038" Stucco Embossed Aluminum vs. 24 Gauge Galvalume	1.13	
11 41 23 00-0160	SF		Metal Price Add-ons, 22 GA Stainless Steel vs. 24 Gauge Galvalume.....	7.96	
11 41 23 00-0161	SF		Metal Price Add-ons, 20 GA Stainless Steel vs. 24 Gauge Galvalume.....	10.40	
11 41 23 00-0162	SF		Metal Price Add-ons, 24 GA Embossed Tan Polyester vs. 24 Gauge Galvalume	1.28	
11 41 23 00-0163	SF		Metal Price Add-ons, 0.040" Embossed White Aluminum vs. 24 Gauge Galvalume	3.16	
11 41 23 00-0164	SF		Metal Price Add-ons, 0.040" Smooth White Aluminum vs. 24 Gauge Galvalume.....	4.08	
11 41 23 00-0165	SF		Metal Price Add-ons, 24 GA Smooth Kynar Painted vs. 24 Gauge Galvalume	4.28	
11 41 23 00-0166	SF		Metal Price Deducts, 14 GA Galvanized vs. 10 Gauge Smooth Aluminum Interior Floor	-5.76	



	Equipment	11
	Foodservice Equipment	11 40
	Foodservice Storage Equipment	11 41

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 41 23 00-0167 SF Metal Price Add-ons, 16 GA Stainless Steel Type 430 vs. 10 Gauge Smooth Aluminum Interior Floor	2.40	
11 41 23 00-0168 SF Metal Price Add-ons, 16 GA Stainless Steel Type 304 vs. 10 Gauge Smooth Aluminum Interior Floor	6.23	
11 41 23 00-0169 SF Metal Price Add-ons, 12 GA Rigid Aluminum vs. 10 Gauge Smooth Aluminum Interior Floor.....	5.46	
11 41 23 00-0170 SF Metal Price Add-ons, 16 GA Rigid Stainless Steel vs. 10 Gauge Smooth Aluminum Interior Floor.....	17.70	
11 41 23 00-0171 Air Cooled Condensing Units For Walk-In Coolers And Freezers (11 41 23)		
11 41 23 00-0172 Medium Temperature Hermetic System, Indoor (11 41 23 00-0171)		
Note: Consists of air cooled hermetic condensing unit, evaporator, and standard indoor features as described by manufacturer; Bally.		
11 41 23 00-0173 208/230 Volt, 1 Phase (11 41 23 00-0172)		
Note: Pre-Assembled indoor R404a.		
11 41 23 00-0174 EA 1/2 HP Medium Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	2,519.51	153.84
11 41 23 00-0175 EA 3/4 HP Medium Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	2,674.78	179.49
11 41 23 00-0176 EA 1 HP Medium Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	3,080.62	205.12
11 41 23 00-0177 EA 1-1/2 HP Medium Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	3,330.41	230.77
11 41 23 00-0178 EA 2 HP Medium Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	3,670.69	256.41
11 41 23 00-0179 EA 3 HP Medium Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	4,141.34	307.69
11 41 23 00-0180 EA 4 HP Medium Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	5,578.34	358.97
11 41 23 00-0181 EA 5 HP Medium Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	6,004.64	410.25
11 41 23 00-0182 208/230 Volt, 3 Phase (11 41 23 00-0172)		
Note: Pre-Assembled indoor R404a.		
11 41 23 00-0183 EA 1 HP Medium Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz.....	3,084.75	205.12
11 41 23 00-0184 EA 1-1/2 HP Medium Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz.....	3,330.41	230.77
11 41 23 00-0185 EA 2 HP Medium Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz.....	3,707.91	256.41
11 41 23 00-0186 EA 3 HP Medium Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz.....	4,097.02	307.69
11 41 23 00-0187 EA 4 HP Medium Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz.....	5,578.34	358.97
11 41 23 00-0188 EA 5 HP Medium Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz.....	5,953.23	410.25
11 41 23 00-0189 Medium Temperature Hermetic System, Outdoor (11 41 23 00-0171)		
Note: Consists of air cooled hermetic condensing unit, evaporator, and standard indoor features as described by manufacturer; Bally.		
11 41 23 00-0190 208/230 Volt, 1 Phase (11 41 23 00-0189)		
Note: Pre-Assembled outdoor R404a.		
11 41 23 00-0191 EA 1/2 HP Medium Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	2,690.88	153.84
11 41 23 00-0192 EA 3/4 HP Medium Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	2,970.24	179.49
11 41 23 00-0193 EA 1 HP Medium Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	3,423.94	205.12
11 41 23 00-0194 EA 1-1/2 HP Medium Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	3,580.37	230.77
11 41 23 00-0195 EA 2 HP Medium Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	3,849.74	256.41
11 41 23 00-0196 EA 3 HP Medium Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	4,396.62	307.69
11 41 23 00-0197 EA 4 HP Medium Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	5,837.75	358.97
11 41 23 00-0198 EA 5 HP Medium Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	6,265.83	410.25
11 41 23 00-0199 208/230 Volt, 3 Phase (11 41 23 00-0189)		
Note: Pre-Assembled outdoor R404a.		
11 41 23 00-0200 EA 1 HP Medium Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	3,402.08	205.12
11 41 23 00-0201 EA 1-1/2 HP Medium Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	3,589.23	230.77
11 41 23 00-0202 EA 2 HP Medium Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	3,895.83	256.41
11 41 23 00-0203 EA 3 HP Medium Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	4,352.89	307.69
11 41 23 00-0204 EA 4 HP Medium Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	5,851.34	358.97
11 41 23 00-0205 EA 5 HP Medium Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	6,211.46	410.25
11 41 23 00-0206 Low Temperature Hermetic System, Indoor (11 41 23 00-0171)		
Note: Consists of air cooled hermetic condensing unit, evaporator, and standard indoor features as described by manufacturer; Bally.		
11 41 23 00-0207 208/230 Volt, 1 Phase (11 41 23 00-0206)		
Note: Pre-Assembled indoor R404a.		
11 41 23 00-0208 EA 1/2 HP Low Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	307.70	153.84
11 41 23 00-0209 EA 3/4 HP Low Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	2,966.69	179.49
11 41 23 00-0210 EA 1 HP Low Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	3,121.98	205.12
11 41 23 00-0211 EA 1-1/2 HP Low Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	3,343.41	230.77
11 41 23 00-0212 EA 2 HP Low Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	3,641.73	256.41
11 41 23 00-0213 EA 3 HP Low Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	4,303.84	307.69
11 41 23 00-0214 208/230 Volt, 3 Phase (11 41 23 00-0206)		
Note: Pre-Assembled indoor R404a.		
11 41 23 00-0215 EA 1 HP Low Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz.....	3,126.12	205.12
11 41 23 00-0216 EA 1-1/2 HP Low Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz.....	3,343.41	230.77
11 41 23 00-0217 EA 2 HP Low Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz.....	3,680.14	256.41
11 41 23 00-0218 EA 3 HP Low Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz.....	4,261.30	307.69

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	11 40 Foodservice Equipment
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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 41 23 00-0219 Low Temperature Hermetic System, Outdoor <small>(11 41 23 00-0171)</small> Note: Consists of air cooled hermetic condensing unit, evaporator, and standard indoor features as described by manufacturer; Bally.		
11 41 23 00-0220 208/230 Volt, 1 Phase <small>(11 41 23 00-0219)</small> Note: Pre-Assembled outdoor R404a.		
11 41 23 00-0221 EA 1/2 HP Low Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	3,148.84	153.84
11 41 23 00-0222 EA 3/4 HP Low Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	3,213.69	179.49
11 41 23 00-0223 EA 1 HP Low Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	3,399.71	205.12
11 41 23 00-0224 EA 1-1/2 HP Low Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	3,691.46	230.77
11 41 23 00-0225 EA 2 HP Low Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	4,031.15	256.41
11 41 23 00-0226 EA 3 HP Low Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	4,552.03	307.69
11 41 23 00-0227 208/230 Volt, 3 Phase <small>(11 41 23 00-0219)</small> Note: Pre-Assembled outdoor R404a.		
11 41 23 00-0228 EA 1 HP Low Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 3 Phase, 60 Hertz	3,506.67	205.12
11 41 23 00-0229 EA 1-1/2 HP Low Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 3 Phase, 60 Hertz	3,744.05	230.77
11 41 23 00-0230 EA 2 HP Low Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 3 Phase, 60 Hertz	4,073.69	256.41
11 41 23 00-0231 EA 3 HP Low Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 3 Phase, 60 Hertz	4,508.89	307.69
11 41 23 00-0232 Medium Temperature Semi-Hermetic System, Indoor <small>(11 41 23 00-0171)</small> Note: Consists of air cooled semi-hermetic condensing unit, evaporator, and standard indoor features as described by manufacturer; Bally.		
11 41 23 00-0233 208/230 Volt, 1 Phase <small>(11 41 23 00-0232)</small> Note: Pre-Assembled indoor R404a.		
11 41 23 00-0234 EA 1 HP Medium Temperature Semi-Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	3,259.67	205.12
11 41 23 00-0235 EA 5 HP Medium Temperature Semi-Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	7,415.76	410.25
11 41 23 00-0236 208/230 Volt, 3 Phase <small>(11 41 23 00-0232)</small> Note: Pre-Assembled indoor R404a.		
11 41 23 00-0237 EA 1 HP Medium Temperature Semi-Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz	3,262.03	205.12
11 41 23 00-0238 EA 2 HP Medium Temperature Semi-Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz	4,490.88	256.41
11 41 23 00-0239 EA 3 HP Medium Temperature Semi-Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz	5,596.78	307.69
11 41 23 00-0240 EA 5 HP Medium Temperature Semi-Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz	7,319.44	410.25
11 41 23 00-0241 Medium Temperature Semi-Hermetic System, Outdoor <small>(11 41 23 00-0171)</small> Note: Consists of air cooled semi-hermetic condensing unit, evaporator, and standard indoor features as described by manufacturer; Bally.		
11 41 23 00-0242 208/230 Volt, 1 Phase <small>(11 41 23 00-0241)</small> Note: Pre-Assembled outdoor R404a.		
11 41 23 00-0243 EA 1 HP Medium Temperature Semi-Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	3,557.49	205.12
11 41 23 00-0244 EA 5 HP Medium Temperature Semi-Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	8,702.19	410.25
11 41 23 00-0245 208/230 Volt, 3 Phase <small>(11 41 23 00-0241)</small> Note: Pre-Assembled outdoor R404a.		
11 41 23 00-0246 EA 1 HP Medium Temperature Semi-Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 3 Phase, 60 Hertz	3,563.40	205.12
11 41 23 00-0247 EA 2 HP Medium Temperature Semi-Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 3 Phase, 60 Hertz	4,217.88	256.41
11 41 23 00-0248 EA 3 HP Medium Temperature Semi-Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 3 Phase, 60 Hertz	6,022.24	307.69
11 41 23 00-0249 EA 5 HP Medium Temperature Semi-Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 3 Phase, 60 Hertz	7,893.22	410.25
11 41 23 00-0250 Low Temperature Semi-Hermetic System, Indoor <small>(11 41 23 00-0171)</small> Note: Consists of air cooled semi-hermetic condensing unit, evaporator, and standard indoor features as described by manufacturer; Bally.		
11 41 23 00-0251 208/230 Volt, 1 Phase <small>(11 41 23 00-0250)</small> Note: Pre-Assembled indoor R404a.		
11 41 23 00-0252 EA 3/4 HP Low Temperature Semi-Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	3,310.01	179.49
11 41 23 00-0253 EA 1 HP Low Temperature Semi-Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	3,546.85	205.12
11 41 23 00-0254 EA 1-1/2 HP Low Temperature Semi-Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	4,154.15	230.77
11 41 23 00-0255 EA 2 HP Low Temperature Semi-Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	4,804.07	256.41
11 41 23 00-0256 EA 3 HP Low Temperature Semi-Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	6,060.65	307.69



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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 41 23 00-0257 208/230 Volt, 3 Phase <small>(11 41 23 00-0250)</small> Note: Pre-Assembled indoor R404a.		
11 41 23 00-0258 EA 3/4 HP Low Temperature Semi-Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz.....	3,293.47	179.49
11 41 23 00-0259 EA 1 HP Low Temperature Semi-Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz.....	3,544.49	205.12
11 41 23 00-0260 EA 1-1/2 HP Low Temperature Semi-Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz.....	4,131.69	230.77
11 41 23 00-0261 EA 2 HP Low Temperature Semi-Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz.....	4,765.07	256.41
11 41 23 00-0262 EA 3 HP Low Temperature Semi-Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz.....	5,853.23	307.69
11 41 23 00-0263 EA 4 HP Low Temperature Semi-Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz.....	8,127.57	358.97
11 41 23 00-0264 EA 6 HP Low Temperature Semi-Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz.....	8,638.03	461.53
11 41 23 00-0265 EA 7-1/2 HP Low Temperature Semi-Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz.....	12,350.45	538.46
11 41 23 00-0266 Low Temperature Semi-Hermetic System, Outdoor <small>(11 41 23 00-0171)</small> Note: Consists of air cooled semi-hermetic condensing unit, evaporator, and standard indoor features as described by manufacturer; Bally.		
11 41 23 00-0267 208/230 Volt, 1 Phase <small>(11 41 23 00-0266)</small> Note: Pre-Assembled outdoor R404a.		
11 41 23 00-0268 EA 3/4 HP Low Temperature Semi-Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	3,630.88	179.49
11 41 23 00-0269 EA 1 HP Low Temperature Semi-Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	3,819.86	205.12
11 41 23 00-0270 EA 1-1/2 Low Medium Temperature Semi-Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	4,438.38	230.77
11 41 23 00-0271 EA 2 HP Low Temperature Semi-Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	5,092.44	256.41
11 41 23 00-0272 EA 3 HP Low Temperature Semi-Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	6,368.52	307.69
11 41 23 00-0273 208/230 Volt, 3 Phase <small>(11 41 23 00-0266)</small> Note: Pre-Assembled outdoor R404a.		
11 41 23 00-0274 EA 3/4 HP Low Temperature Semi-Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	3,578.88	179.49
11 41 23 00-0275 EA 1 HP Low Temperature Semi-Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	3,822.22	205.12
11 41 23 00-0276 EA 1-1/2 HP Low Temperature Semi-Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	4,429.52	230.77
11 41 23 00-0277 EA 2 HP Low Temperature Semi-Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	5,048.71	256.41
11 41 23 00-0278 EA 3 HP Low Temperature Semi-Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	6,181.20	307.69
11 41 23 00-0279 EA 4 HP Low Temperature Semi-Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	8,940.67	358.97
11 41 23 00-0280 EA 6 HP Low Temperature Semi-Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	9,503.14	461.53
11 41 23 00-0281 EA 7-1/2 HP Low Temperature Semi-Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	13,284.11	538.46
11 41 23 00-0282 Walk-In Refrigerated Boxes Accessories <small>(11 41 23)</small> See CSI section 08 71 00 00-0000 for additional door accessories.		
11 41 23 00-0283 Accessories <small>(11 41 23 00-0282)</small>		
11 41 23 00-0284 EA Super Door Package, For 36" Or 42" Door.....	590.53	
11 41 23 00-0285 EA Super Door Package, For 48" Door.....	783.31	
11 41 23 00-0286 EA Super Door Package, For 60" Door.....	783.31	
11 41 23 00-0287 EA 14" x 24" Observation Window, Heated.....	871.05	
11 41 23 00-0288 EA Heated Air Vent, Kason.....	335.55	
11 41 23 00-0289 EA Heated Air Vent, Bally Polyvinyl Chloride (PVC).....	748.65	
11 41 23 00-0290 EA Interior Ramps, For 36" Or 42" Wide Doors.....	1,060.10	
11 41 23 00-0291 EA Interior Ramps, For 48" Wide Doors.....	1,157.00	
11 41 23 00-0292 EA Interior Ramps, For 60" Wide Doors.....	1,269.20	
11 41 23 00-0293 EA Exterior Ramps, For 36" Or 42" Wide Doors.....	441.98	
11 41 23 00-0294 EA Exterior Ramps, For 48" Wide Doors.....	792.86	
11 41 23 00-0295 EA Exterior Ramps, For 60" Wide Doors.....	792.86	
11 41 23 00-0296 EA Field Installed Extra Vapor-Proof Lights.....	112.19	
11 41 23 00-0297 EA Field Installed Fluorescent Lights, 48", 2 Tubes.....	558.95	
11 41 23 00-0298 EA Alarm With Digital Thermostat Modularm 75 With Adjustable Setting (Flush Mounted).....	1,037.33	
11 41 23 00-0299 EA Alarm With Digital Thermostat Modularm 75B (Battery Backup) (Flush Mounted).....	1,089.35	
11 41 23 00-0300 EA Alarm With Digital Thermostat National TM100 With Adjustable Setting (Flush Mounted).....	527.33	
11 41 23 00-0301 EA Locking Devices, 36" Or 42" Wide Locking Bar.....	303.95	
11 41 23 00-0302 EA Locking Devices, 48" Wide Locking Bar.....	344.75	
11 41 23 00-0303 EA Locking Devices, 60" Wide Locking Bar.....	344.75	
11 41 23 00-0304 EA Locking Devices, Mortise Dead Bolt (Cooler).....	601.79	
11 41 23 00-0305 EA Locking Devices, Mortise Dead Bolt (Freezer).....	736.43	
11 41 23 00-0306 EA Blast Freezer Kit, For 36" Or 42" Wide Doors.....	1,186.58	
11 41 23 00-0307 EA Blast Freezer Kit, For 48" Wide Doors.....	1,251.86	
11 41 23 00-0308 EA Blast Freezer Kit, For 60" Wide Doors.....	1,286.54	
11 41 23 00-0309 EA Hardware Options, Polished For 36" Or 42" Door.....	56.10	
11 41 23 00-0310 EA Hardware Options, Polished For 48" Or 60" Door.....	45.90	
11 41 23 00-0311 EA Hardware Options, Chrome For 36" Or 42" Door.....	141.78	
11 41 23 00-0312 EA Hardware Options, Chrome For 48" Or 60" Door.....	76.50	
11 41 23 00-0313 EA Hardware Options, Positive Latch, 36" Or 42" Door.....	185.97	
11 41 23 00-0314 EA Hardware Options, Strap Hinges, 36" Or 42" Door.....	137.01	

11 Equipment**11 40 Foodservice Equipment****11 41 Foodservice Storage Equipment**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 41 23 00-0315	EA		4" Scream Door	378.39	
11 41 23 00-0316	EA		Doors Cut For Tile.....	451.83	
11 41 23 00-0317	EA		84" High Doors (36" Wide).....	451.83	
11 41 23 00-0318	EA		Doors Raised Or Lowered In Panel	991.41	
11 41 23 00-0319	EA		57-1/2" Door Section.....	299.85	
11 41 23 00-0320	EA		3 Way (Interior And Exterior) Light Switches	247.85	
11 41 23 00-0321	EA		3 Way (1 Side Only) Light Switch.....	126.20	
11 41 23 00-0322	EA		Structural Support, 5" Reinforcing Ceilings (Every 23")	224.05	
11 41 23 00-0323	EA		Structural Support, 6" Reinforcing Ceilings (Every 23")	281.17	
11 41 23 00-0324	LF		Structural Support, Self-Supporting Standard Angle.....	30.29	
11 41 23 00-0325	LF		Structural Support, Self-Supporting 6" Channel.....	38.71	
11 41 23 00-0326	LF		Structural Support, Self-Supporting 8" Channel.....	55.28	
11 41 23 00-0327	LF		Structural Support, Self-Supporting 10" Channel.....	87.15	
11 41 23 00-0328	LF		Structural Support, Suspended Ceiling Support	16.69	
11 41 23 00-0329	LF		Factory Prepared Opening, Foam Cut Opening	5.36	
11 41 23 00-0330	LF		Factory Prepared Opening, Metal Capped Opening.....	17.85	
11 41 23 00-0331	LF		Factory Prepared Opening, Wood Framed Opening.....	18.27	
11 41 23 00-0332	LF		Factory Prepared Opening, Metal Capped Wood Framed Opening	27.54	
11 41 23 00-0333	LF		Factory Prepared Opening, Opening For Glass Doors (Doors Provided By Others, No Charge For Opening When Glass Door Purchased Through Manufacturer)	22.95	
11 41 23 00-0334	SF		Outdoor Weather Roofs, Aluminum Roof Caps	10.31	
11 41 23 00-0335	SF		Outdoor Weather Roofs, Membrane Roof Caps	5.61	
11 41 23 00-0336	SF		Outdoor Weather Roofs, Painted Aluminum Roofs.....	12.81	
11 41 23 00-0337	SF		1/8" Aluminum Tread Plate	30.82	
11 41 23 00-0338	SF		3/16" Aluminum Tread Plate	36.24	
11 41 23 00-0339	EA		Digitemp Display Thermometer (Indoor Exterior Wall).....	237.38	
11 41 23 00-0340	EA		4-1/2" Dial Type Thermometer With 5' Cap Tube	213.92	
11 41 23 00-0341	EA		6" Dial Type Thermometer With 5' Cap Tube.....	673.94	
11 41 23 00-0342	EA		2" Dial Type Thermometer (Standard).....	79.28	
11 41 23 00-0343	LF		Extra Capillary Tubing.....	9.18	

11 41 23 00-0344**Partition Wall For Walk-In Refrigerated Boxes** (11 41 23 00-0282)

Note: Includes 36" x 78" door. Sizes listed as 7'-2"/7'-6" are for either 7'-2" or 7'-6" high refrigerated boxes. Sizes listed as 8'-2"/8'-6" are for either 8'-2" or 8'-6" high refrigerated boxes.

11 41 23 00-0345	EA		5'-10" Length Partition Wall, 7'-2"/7'-6" High	2,412.62	
			Note: Galvalume both sides.		
			<i>For Embossed White Instead Of Galvalume On Both Sides, Add</i>	116.08	
11 41 23 00-0346	EA		6'-9-1/2" Length Partition Wall, 7'-2"/7'-6" High	2,627.29	
			Note: Galvalume both sides.		
			<i>For Embossed White Instead Of Galvalume On Both Sides, Add</i>	126.58	
11 41 23 00-0347	EA		7'-9" Length Partition Wall, 7'-2"/7'-6" High	2,703.24	
			Note: Galvalume both sides.		
			<i>For Embossed White Instead Of Galvalume On Both Sides, Add</i>	130.15	
11 41 23 00-0348	EA		8'-8-1/2" Length Partition Wall, 7'-2"/7'-6" High	2,922.00	
			Note: Galvalume both sides.		
			<i>For Embossed White Instead Of Galvalume On Both Sides, Add</i>	140.86	
11 41 23 00-0349	EA		9'-8" Length Partition Wall, 7'-2"/7'-6" High	2,863.32	
			Note: Galvalume both sides.		
			<i>For Embossed White Instead Of Galvalume On Both Sides, Add</i>	137.70	
11 41 23 00-0350	EA		10'-7-1/2" Length Partition Wall, 7'-2"/7'-6" High	3,076.97	
			Note: Galvalume both sides.		
			<i>For Embossed White Instead Of Galvalume On Both Sides, Add</i>	148.16	
11 41 23 00-0351	EA		11'-7" Length Partition Wall, 7'-2"/7'-6" High	3,142.72	
			Note: Galvalume both sides.		
			<i>For Embossed White Instead Of Galvalume On Both Sides, Add</i>	151.22	
11 41 23 00-0352	EA		12'-6-1/2" Length Partition Wall, 7'-2"/7'-6" High	3,446.14	
			Note: Galvalume both sides.		
			<i>For Embossed White Instead Of Galvalume On Both Sides, Add</i>	166.16	
11 41 23 00-0353	EA		13'-6" Length Partition Wall, 7'-2"/7'-6" High	3,314.02	
			Note: Galvalume both sides.		
			<i>For Embossed White Instead Of Galvalume On Both Sides, Add</i>	159.32	
11 41 23 00-0354	EA		14'-5-1/2" Length Partition Wall, 7'-2"/7'-6" High	3,528.70	
			Note: Galvalume both sides.		
			<i>For Embossed White Instead Of Galvalume On Both Sides, Add</i>	169.83	
11 41 23 00-0355	EA		15'-5" Length Partition Wall, 7'-2"/7'-6" High	3,609.75	
			Note: Galvalume both sides.		
			<i>For Embossed White Instead Of Galvalume On Both Sides, Add</i>	173.66	
11 41 23 00-0356	EA		16'-4-1/2" Length Partition Wall, 7'-2"/7'-6" High	3,825.44	
			Note: Galvalume both sides.		
			<i>For Embossed White Instead Of Galvalume On Both Sides, Add</i>	184.21	
11 41 23 00-0357	EA		17'-4" Length Partition Wall, 7'-2"/7'-6" High	4,403.36	
			Note: Galvalume both sides.		
			<i>For Embossed White Instead Of Galvalume On Both Sides, Add</i>	212.88	
11 41 23 00-0358	EA		5'-10" Length Partition Wall, 8'-2"/8'-6" High	2,630.90	
			Note: Galvalume both sides.		
			<i>For Embossed White Instead Of Galvalume On Both Sides, Add</i>	126.99	
11 41 23 00-0359	EA		6'-9-1/2" Length Partition Wall, 8'-2"/8'-6" High	2,812.93	
			Note: Galvalume both sides.		
			<i>For Embossed White Instead Of Galvalume On Both Sides, Add</i>	135.86	
11 41 23 00-0360	EA		7'-9" Length Partition Wall, 8'-2"/8'-6" High	2,902.14	
			Note: Galvalume both sides.		
			<i>For Embossed White Instead Of Galvalume On Both Sides, Add</i>	140.10	



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Foodservice Equipment	11 40	11
Foodservice Storage Equipment	11 41	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 41 23 00-0361 EA 8'-8-1/2" Length Partition Wall, 8'-2"/8'-6" High.....	3,144.36	
Note: Galvalume both sides.		
For Embossed White Instead Of Galvalume On Both Sides, Add	151.98	
11 41 23 00-0362 EA 9'-8" Length Partition Wall, 8'-2"/8'-6" High.....	3,073.44	
Note: Galvalume both sides.		
For Embossed White Instead Of Galvalume On Both Sides, Add	148.21	
11 41 23 00-0363 EA 10'-7-1/2" Length Partition Wall, 8'-2"/8'-6" High.....	3,314.63	
Note: Galvalume both sides.		
For Embossed White Instead Of Galvalume On Both Sides, Add	160.04	
11 41 23 00-0364 EA 11'-7" Length Partition Wall, 8'-2"/8'-6" High.....	3,404.86	
Note: Galvalume both sides.		
For Embossed White Instead Of Galvalume On Both Sides, Add	164.32	
11 41 23 00-0365 EA 12'-6-1/2" Length Partition Wall, 8'-2"/8'-6" High.....	3,646.06	
Note: Galvalume both sides.		
For Embossed White Instead Of Galvalume On Both Sides, Add	176.15	
11 41 23 00-0366 EA 13'-6" Length Partition Wall, 8'-2"/8'-6" High.....	3,575.14	
Note: Galvalume both sides.		
For Embossed White Instead Of Galvalume On Both Sides, Add	172.38	
11 41 23 00-0367 EA 14'-5-1/2" Length Partition Wall, 8'-2"/8'-6" High.....	3,816.34	
Note: Galvalume both sides.		
For Embossed White Instead Of Galvalume On Both Sides, Add	184.21	
11 41 23 00-0368 EA 15'-5" Length Partition Wall, 8'-2"/8'-6" High.....	3,906.57	
Note: Galvalume both sides.		
For Embossed White Instead Of Galvalume On Both Sides, Add	188.50	
11 41 23 00-0369 EA 16'-4-1/2" Length Partition Wall, 8'-2"/8'-6" High.....	4,147.76	
Note: Galvalume both sides.		
For Embossed White Instead Of Galvalume On Both Sides, Add	200.33	
11 41 23 00-0370 EA 17'-4" Length Partition Wall, 8'-2"/8'-6" High.....	4,076.84	
Note: Galvalume both sides.		
For Embossed White Instead Of Galvalume On Both Sides, Add	196.55	
11 41 23 00-0371 Glass Doors For Walk-In Refrigerated Boxes (11 41 23 00-0282)		
Note: Factory installed, includes lights and 5 tier shelves.		
11 41 23 00-0372 EA 23" x 67" Glass Door, Displayrite, Coolrite Model.....	1,012.86	
11 41 23 00-0373 EA 23" x 73" Glass Door, Displayrite, Coolrite Model.....	1,106.70	
11 41 23 00-0374 EA 30" x 67" Glass Door, Displayrite, Coolrite Model.....	1,115.88	
11 41 23 00-0375 EA 30" x 73" Glass Door, Displayrite, Coolrite Model.....	1,234.20	
11 41 23 00-0376 EA 23" x 67" Glass Door, Displayrite, Freezerite Model.....	1,354.56	
11 41 23 00-0377 EA 23" x 73" Glass Door, Displayrite, Freezerite Model.....	1,440.24	
11 41 23 00-0378 EA 30" x 67" Glass Door, Displayrite, Freezerite Model.....	1,445.34	
11 41 23 00-0379 EA 30" x 73" Glass Door, Displayrite, Freezerite Model.....	1,681.98	
11 41 23 00-0380 EA 24" x 67" Glass Door, Anthony Model 101.....	1,377.00	
11 41 23 00-0381 EA 26" x 67" Glass Door, Anthony Model 101.....	1,705.44	
11 41 23 00-0382 EA 30" x 67" Glass Door, Anthony Model 101.....	1,820.70	
11 41 23 00-0383 EA 30x75 Glass Door, Anthony Model 101.....	1,859.46	
11 41 23 00-0384 EA 24" x 67" Glass Door, Anthony Model 101.....	2,097.12	
11 41 23 00-0385 EA 26" x 67" Glass Door, Anthony Model 101.....	2,327.64	
11 41 23 00-0386 EA 30" x 67" Glass Door, Anthony Model 101.....	2,370.48	
11 41 23 00-0387 EA 30" x 75" Glass Door, Anthony Model 101.....	2,528.58	
11 41 23 00-0388 EA 23" x 67" Glass Door, Anthony Model 401.....	1,087.32	
11 41 23 00-0389 EA 26-3/4" x 67" Glass Door, Anthony Model 401.....	1,145.46	
11 41 23 00-0390 EA 30-1/4" x 67" Glass Door, Anthony Model 401.....	1,540.20	
11 41 23 00-0391 EA 30-1/4" x 75" Glass Door, Anthony Model 401.....	1,320.90	
11 41 23 00-0392 EA 23" x 67" Glass Door, Anthony Model 401.....	1,466.76	
11 41 23 00-0393 EA 26-3/4" x 67" Glass Door, Anthony Model 401.....	1,535.10	
11 41 23 00-0394 EA 30-1/4" x 67" Glass Door, Anthony Model 401.....	1,540.20	
11 41 23 00-0395 EA 30-1/4" x 75" Glass Door, Anthony Model 401.....	1,833.96	
11 41 23 00-0396 Modular Wire Shelving For Walk-In Refrigerated Boxes (11 41 23 00-0282)		
11 41 23 00-0397 EA 14" x 30" Epoxy Modular Wire Shelving, 4 Tier, 63" Posts.....	382.49	
For Cantilever Shelving, Add	402.00	
11 41 23 00-0398 EA 14" x 36" Epoxy Modular Wire Shelving, 4 Tier, 63" Posts.....	403.36	
For Cantilever Shelving, Add	402.00	
11 41 23 00-0399 EA 14" x 42" Epoxy Modular Wire Shelving, 4 Tier, 63" Posts.....	448.71	
For Cantilever Shelving, Add	402.00	
11 41 23 00-0400 EA 14" x 48" Epoxy Modular Wire Shelving, 4 Tier, 63" Posts.....	473.67	
For Cantilever Shelving, Add	402.00	
11 41 23 00-0401 EA 14" x 60" Epoxy Modular Wire Shelving, 4 Tier, 63" Posts.....	515.42	
For Cantilever Shelving, Add	402.00	
11 41 23 00-0402 EA 18" x 30" Epoxy Modular Wire Shelving, 4 Tier, 63" Posts.....	440.08	
For Cantilever Shelving, Add	402.00	
11 41 23 00-0403 EA 18" x 36" Epoxy Modular Wire Shelving, 4 Tier, 63" Posts.....	451.77	
For Cantilever Shelving, Add	402.00	
11 41 23 00-0404 EA 18" x 42" Epoxy Modular Wire Shelving, 4 Tier, 63" Posts.....	498.15	
For Cantilever Shelving, Add	402.00	
11 41 23 00-0405 EA 18" x 48" Epoxy Modular Wire Shelving, 4 Tier, 63" Posts.....	521.07	
For Cantilever Shelving, Add	402.00	
11 41 23 00-0406 EA 18" x 60" Epoxy Modular Wire Shelving, 4 Tier, 63" Posts.....	594.43	
For Cantilever Shelving, Add	402.00	
11 41 23 00-0407 EA 21" x 30" Epoxy Modular Wire Shelving, 4 Tier, 63" Posts.....	479.31	
For Cantilever Shelving, Add	402.00	

11 Equipment
11 40 Foodservice Equipment
11 41 Foodservice Storage Equipment



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 41	23 00-0408	EA	21" x 36" Epoxy Modular Wire Shelving, 4 Tier, 63" Posts <i>For Cantilever Shelving, Add</i>	485.91 402.00	
11 41	23 00-0409	EA	21" x 42" Epoxy Modular Wire Shelving, 4 Tier, 63" Posts <i>For Cantilever Shelving, Add</i>	552.69 402.00	
11 41	23 00-0410	EA	21" x 48" Epoxy Modular Wire Shelving, 4 Tier, 63" Posts <i>For Cantilever Shelving, Add</i>	557.24 402.00	
11 41	23 00-0411	EA	21" x 60" Epoxy Modular Wire Shelving, 4 Tier, 63" Posts <i>For Cantilever Shelving, Add</i>	640.80 402.00	
11 41	23 00-0412	EA	14" x 30" Chrome Modular Wire Shelving, 4 Tier, 63" Posts <i>For Cantilever Shelving, Add</i>	329.45 402.00	
11 41	23 00-0413	EA	14" x 36" Chrome Modular Wire Shelving, 4 Tier, 63" Posts <i>For Cantilever Shelving, Add</i>	346.24 402.00	
11 41	23 00-0414	EA	14" x 42" Chrome Modular Wire Shelving, 4 Tier, 63" Posts <i>For Cantilever Shelving, Add</i>	379.35 402.00	
11 41	23 00-0415	EA	14" x 48" Chrome Modular Wire Shelving, 4 Tier, 63" Posts <i>For Cantilever Shelving, Add</i>	387.99 402.00	
11 41	23 00-0416	EA	14" x 60" Chrome Modular Wire Shelving, 4 Tier, 63" Posts <i>For Cantilever Shelving, Add</i>	441.98 402.00	
11 41	23 00-0417	EA	18" x 30" Chrome Modular Wire Shelving, 4 Tier, 63" Posts <i>For Cantilever Shelving, Add</i>	362.56 402.00	
11 41	23 00-0418	EA	18" x 36" Chrome Modular Wire Shelving, 4 Tier, 63" Posts <i>For Cantilever Shelving, Add</i>	388.53 402.00	
11 41	23 00-0419	EA	18" x 42" Chrome Modular Wire Shelving, 4 Tier, 63" Posts <i>For Cantilever Shelving, Add</i>	411.45 402.00	
11 41	23 00-0420	EA	18" x 48" Chrome Modular Wire Shelving, 4 Tier, 63" Posts <i>For Cantilever Shelving, Add</i>	418.05 402.00	
11 41	23 00-0421	EA	18" x 60" Chrome Modular Wire Shelving, 4 Tier, 63" Posts <i>For Cantilever Shelving, Add</i>	491.41 402.00	
11 41	23 00-0422	EA	21" x 30" Chrome Modular Wire Shelving, 4 Tier, 63" Posts <i>For Cantilever Shelving, Add</i>	397.71 402.00	
11 41	23 00-0423	EA	21" x 36" Chrome Modular Wire Shelving, 4 Tier, 63" Posts <i>For Cantilever Shelving, Add</i>	413.49 402.00	
11 41	23 00-0424	EA	21" x 42" Chrome Modular Wire Shelving, 4 Tier, 63" Posts <i>For Cantilever Shelving, Add</i>	443.55 402.00	
11 41	23 00-0425	EA	21" x 48" Chrome Modular Wire Shelving, 4 Tier, 63" Posts <i>For Cantilever Shelving, Add</i>	460.34 402.00	
11 41	23 00-0426	EA	21" x 60" Chrome Modular Wire Shelving, 4 Tier, 63" Posts <i>For Cantilever Shelving, Add</i>	535.74 402.00	
11 41	23 00-0427	EA	14" x 30" Stainless Steel Modular Wire Shelving, 4 Tier, 63" Posts <i>For Cantilever Shelving, Add</i>	1,681.83 402.00	
11 41	23 00-0428	EA	14" x 36" Stainless Steel Modular Wire Shelving, 4 Tier, 63" Posts <i>For Cantilever Shelving, Add</i>	1,876.59 402.00	
11 41	23 00-0429	EA	14" x 42" Stainless Steel Modular Wire Shelving, 4 Tier, 63" Posts <i>For Cantilever Shelving, Add</i>	1,913.93 402.00	
11 41	23 00-0430	EA	14" x 48" Stainless Steel Modular Wire Shelving, 4 Tier, 63" Posts <i>For Cantilever Shelving, Add</i>	1,951.29 402.00	
11 41	23 00-0431	EA	14" x 60" Stainless Steel Modular Wire Shelving, 4 Tier, 63" Posts <i>For Cantilever Shelving, Add</i>	2,360.49 402.00	
11 41	23 00-0432	EA	18" x 30" Stainless Steel Modular Wire Shelving, 4 Tier, 63" Posts <i>For Cantilever Shelving, Add</i>	1,765.09 402.00	
11 41	23 00-0433	EA	18" x 36" Stainless Steel Modular Wire Shelving, 4 Tier, 63" Posts <i>For Cantilever Shelving, Add</i>	1,874.58 402.00	
11 41	23 00-0434	EA	18" x 42" Stainless Steel Modular Wire Shelving, 4 Tier, 63" Posts <i>For Cantilever Shelving, Add</i>	2,075.91 402.00	
11 41	23 00-0435	EA	18" x 48" Stainless Steel Modular Wire Shelving, 4 Tier, 63" Posts <i>For Cantilever Shelving, Add</i>	2,159.17 402.00	
11 41	23 00-0436	EA	18" x 60" Stainless Steel Modular Wire Shelving, 4 Tier, 63" Posts <i>For Cantilever Shelving, Add</i>	2,640.52 402.00	
11 41	23 00-0437	EA	21" x 30" Stainless Steel Modular Wire Shelving, 4 Tier, 63" Posts <i>For Cantilever Shelving, Add</i>	1,907.37 402.00	
11 41	23 00-0438	EA	21" x 36" Stainless Steel Modular Wire Shelving, 4 Tier, 63" Posts <i>For Cantilever Shelving, Add</i>	2,082.47 402.00	
11 41	23 00-0439	EA	21" x 42" Stainless Steel Modular Wire Shelving, 4 Tier, 63" Posts <i>For Cantilever Shelving, Add</i>	2,283.79 402.00	
11 41	23 00-0440	EA	21" x 48" Stainless Steel Modular Wire Shelving, 4 Tier, 63" Posts <i>For Cantilever Shelving, Add</i>	2,367.05 402.00	
11 41	23 00-0441	EA	21" x 60" Stainless Steel Modular Wire Shelving, 4 Tier, 63" Posts <i>For Cantilever Shelving, Add</i>	3,005.81 402.00	
11 41	23 00-0442	EA	14" x 30" Epoxy Modular Wire Shelving, 5 Tier, 74" Posts <i>For Cantilever Shelving, Add</i>	451.23 472.00	
11 41	23 00-0443	EA	14" x 36" Epoxy Modular Wire Shelving, 5 Tier, 74" Posts <i>For Cantilever Shelving, Add</i>	486.39 472.00	
11 41	23 00-0444	EA	14" x 42" Epoxy Modular Wire Shelving, 5 Tier, 74" Posts <i>For Cantilever Shelving, Add</i>	526.64 472.00	
11 41	23 00-0445	EA	14" x 48" Epoxy Modular Wire Shelving, 5 Tier, 74" Posts <i>For Cantilever Shelving, Add</i>	563.83 472.00	
11 41	23 00-0446	EA	14" x 60" Epoxy Modular Wire Shelving, 5 Tier, 74" Posts <i>For Cantilever Shelving, Add</i>	611.70 472.00	
11 41	23 00-0447	EA	18" x 30" Epoxy Modular Wire Shelving, 5 Tier, 74" Posts <i>For Cantilever Shelving, Add</i>	532.29 472.00	
11 41	23 00-0448	EA	18" x 36" Epoxy Modular Wire Shelving, 5 Tier, 74" Posts <i>For Cantilever Shelving, Add</i>	546.02 472.00	
11 41	23 00-0449	EA	18" x 42" Epoxy Modular Wire Shelving, 5 Tier, 74" Posts <i>For Cantilever Shelving, Add</i>	601.57 472.00	



Equipment	11	
Foodservice Equipment	11 40	11
Foodservice Storage Equipment	11 41	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 41 23 00-0450	EA		18" x 48" Epoxy Modular Wire Shelving, 5 Tier, 74" Posts <i>For Cantilever Shelving, Add</i>	630.60 472.00	
11 41 23 00-0451	EA		18" x 60" Epoxy Modular Wire Shelving, 5 Tier, 74" Posts <i>For Cantilever Shelving, Add</i>	719.28 472.00	
11 41 23 00-0452	EA		21" x 30" Epoxy Modular Wire Shelving, 5 Tier, 74" Posts <i>For Cantilever Shelving, Add</i>	579.68 472.00	
11 41 23 00-0453	EA		21" x 36" Epoxy Modular Wire Shelving, 5 Tier, 74" Posts <i>For Cantilever Shelving, Add</i>	598.51 472.00	
11 41 23 00-0454	EA		21" x 42" Epoxy Modular Wire Shelving, 5 Tier, 74" Posts <i>For Cantilever Shelving, Add</i>	661.20 472.00	
11 41 23 00-0455	EA		21" x 48" Epoxy Modular Wire Shelving, 5 Tier, 74" Posts <i>For Cantilever Shelving, Add</i>	675.96 472.00	
11 41 23 00-0456	EA		21" x 60" Epoxy Modular Wire Shelving, 5 Tier, 74" Posts <i>For Cantilever Shelving, Add</i>	774.83 472.00	
11 41 23 00-0457	EA		14" x 30" Chrome Modular Wire Shelving, 5 Tier, 74" Posts <i>For Cantilever Shelving, Add</i>	386.97 472.00	
11 41 23 00-0458	EA		14" x 36" Chrome Modular Wire Shelving, 5 Tier, 74" Posts <i>For Cantilever Shelving, Add</i>	406.83 472.00	
11 41 23 00-0459	EA		14" x 42" Chrome Modular Wire Shelving, 5 Tier, 74" Posts <i>For Cantilever Shelving, Add</i>	447.08 472.00	
11 41 23 00-0460	EA		14" x 48" Chrome Modular Wire Shelving, 5 Tier, 74" Posts <i>For Cantilever Shelving, Add</i>	456.73 472.00	
11 41 23 00-0461	EA		14" x 60" Chrome Modular Wire Shelving, 5 Tier, 74" Posts <i>For Cantilever Shelving, Add</i>	521.94 472.00	
11 41 23 00-0462	EA		18" x 30" Chrome Modular Wire Shelving, 5 Tier, 74" Posts <i>For Cantilever Shelving, Add</i>	436.41 472.00	
11 41 23 00-0463	EA		18" x 36" Chrome Modular Wire Shelving, 5 Tier, 74" Posts <i>For Cantilever Shelving, Add</i>	466.46 472.00	
11 41 23 00-0464	EA		18" x 42" Chrome Modular Wire Shelving, 5 Tier, 74" Posts <i>For Cantilever Shelving, Add</i>	530.17 472.00	
11 41 23 00-0465	EA		18" x 48" Chrome Modular Wire Shelving, 5 Tier, 74" Posts <i>For Cantilever Shelving, Add</i>	526.56 472.00	
11 41 23 00-0466	EA		18" x 60" Chrome Modular Wire Shelving, 5 Tier, 74" Posts <i>For Cantilever Shelving, Add</i>	588.72 472.00	
11 41 23 00-0467	EA		21" x 30" Chrome Modular Wire Shelving, 5 Tier, 74" Posts <i>For Cantilever Shelving, Add</i>	478.70 472.00	
11 41 23 00-0468	EA		21" x 36" Chrome Modular Wire Shelving, 5 Tier, 74" Posts <i>For Cantilever Shelving, Add</i>	497.53 472.00	
11 41 23 00-0469	EA		21" x 42" Chrome Modular Wire Shelving, 5 Tier, 74" Posts <i>For Cantilever Shelving, Add</i>	534.72 472.00	
11 41 23 00-0470	EA		21" x 48" Chrome Modular Wire Shelving, 5 Tier, 74" Posts <i>For Cantilever Shelving, Add</i>	553.56 472.00	
11 41 23 00-0471	EA		21" x 60" Chrome Modular Wire Shelving, 5 Tier, 74" Posts <i>For Cantilever Shelving, Add</i>	646.31 472.00	
11 41 23 00-0472	EA		14" x 30" Stainless Steel Modular Wire Shelving, 5 Tier, 74" Posts <i>For Cantilever Shelving, Add</i>	2,052.95 472.00	
11 41 23 00-0473	EA		14" x 36" Stainless Steel Modular Wire Shelving, 5 Tier, 74" Posts <i>For Cantilever Shelving, Add</i>	2,295.27 472.00	
11 41 23 00-0474	EA		14" x 42" Stainless Steel Modular Wire Shelving, 5 Tier, 74" Posts <i>For Cantilever Shelving, Add</i>	2,340.82 472.00	
11 41 23 00-0475	EA		14" x 48" Stainless Steel Modular Wire Shelving, 5 Tier, 74" Posts <i>For Cantilever Shelving, Add</i>	2,386.36 472.00	
11 41 23 00-0476	EA		14" x 60" Stainless Steel Modular Wire Shelving, 5 Tier, 74" Posts <i>For Cantilever Shelving, Add</i>	2,895.59 472.00	
11 41 23 00-0477	EA		18" x 30" Stainless Steel Modular Wire Shelving, 5 Tier, 74" Posts <i>For Cantilever Shelving, Add</i>	2,155.90 472.00	
11 41 23 00-0478	EA		18" x 36" Stainless Steel Modular Wire Shelving, 5 Tier, 74" Posts <i>For Cantilever Shelving, Add</i>	2,291.62 472.00	
11 41 23 00-0479	EA		18" x 42" Stainless Steel Modular Wire Shelving, 5 Tier, 74" Posts <i>For Cantilever Shelving, Add</i>	2,542.13 472.00	
11 41 23 00-0480	EA		18" x 48" Stainless Steel Modular Wire Shelving, 5 Tier, 74" Posts <i>For Cantilever Shelving, Add</i>	2,645.07 472.00	
11 41 23 00-0481	EA		18" x 60" Stainless Steel Modular Wire Shelving, 5 Tier, 74" Posts <i>For Cantilever Shelving, Add</i>	3,244.49 472.00	
11 41 23 00-0482	EA		21" x 30" Stainless Steel Modular Wire Shelving, 5 Tier, 74" Posts <i>For Cantilever Shelving, Add</i>	2,332.62 472.00	
11 41 23 00-0483	EA		21" x 36" Stainless Steel Modular Wire Shelving, 5 Tier, 74" Posts <i>For Cantilever Shelving, Add</i>	2,550.33 472.00	
11 41 23 00-0484	EA		21" x 42" Stainless Steel Modular Wire Shelving, 5 Tier, 74" Posts <i>For Cantilever Shelving, Add</i>	2,800.84 472.00	
11 41 23 00-0485	EA		21" x 48" Stainless Steel Modular Wire Shelving, 5 Tier, 74" Posts <i>For Cantilever Shelving, Add</i>	2,903.79 472.00	
11 41 23 00-0486	EA		21" x 60" Stainless Steel Modular Wire Shelving, 5 Tier, 74" Posts <i>For Cantilever Shelving, Add</i>	3,699.97 472.00	

11 41 31 Non-Refrigerated Storage Equipment (11 41)

11 41 31 00-0001	Wall Cabinets (11 41 31)		
11 41 31 00-0002	EA 48" Wall Cabinet With Sliding Doors.....	1,727.53	70.60
	Note: 15" deep and 24" high.		
11 41 31 00-0003	EA 72" Wall Cabinet With Sliding Doors.....	2,279.43	93.20
	Note: 15" deep and 24" high.		

11 Equipment**11 40 Foodservice Equipment****11 41 Foodservice Storage Equipment**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 41 31 00-0004	EA		72" Wall Cabinet With Hinged Doors Note: 15" deep and 24" high.	2,616.29	106.85
11 41 31 00-0005	EA		72" Wall Cabinet With Open Shelves..... Note: 15" deep and 24" high.	1,674.39	68.16
11 41 31 00-0006			Mobile Sheet Pan Truck ^(11 41 31)		
11 41 31 00-0007	EA		2 Level Mobile Sheet Pan Truck.....	162.80	7.00
11 41 31 00-0008			Pot And Utensil Rack ^(11 41 31)		
11 41 31 00-0009	EA		70" Bench Type Pot And Utensil Rack.....	475.36	21.35
11 41 31 00-0010	EA		94" Bench Type Pot And Utensil Rack.....	550.65	24.13
11 41 31 00-0011	EA		94" Ceiling Type Pot And Utensil Rack.....	654.74	28.91
11 41 31 00-0012	EA		96" Wall Type Pot And Utensil Rack.....	356.09	15.79
11 41 31 00-0013			Tray And Silverware Cart ^(11 41 31)		
11 41 31 00-0014	EA		33" x 22-1/2" x 42" Tray And Silverware Cart.....	1,643.31	72.05
11 41 31 00-0015			Flat Top Utility Units ^(11 41 31)		
11 41 31 00-0016	EA		39" x 28-1/2" x 35-3/8" Flat Top Utility Units.....	1,120.48	49.25
11 41 31 00-0017	EA		79-1/2" x 28-1/2" x 35-3/8" Flat Top Utility Units.....	1,501.45	65.82
11 41 33			Foodservice Shelving ^(11 41)		
11 41 33 00-0001			Shelving/Racks ^(11 41 33)		
11 41 33 00-0002			Chrome Shelving Units ^(11 41 33 00-0001)		
11 41 33 00-0003			54" Height, 4 Tier Open Wire Shelves, Chrome Shelving Unit ^(11 41 33 00-0002)		
11 41 33 00-0004	EA		14" x 24" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit.....	187.89	29.07
11 41 33 00-0005	EA		14" x 30" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit.....	196.49	29.32
11 41 33 00-0006	EA		14" x 36" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit.....	207.07	29.56
11 41 33 00-0007	EA		14" x 42" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit.....	213.72	29.80
11 41 33 00-0008	EA		14" x 48" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit.....	226.23	30.04
11 41 33 00-0009	EA		14" x 54" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit.....	236.85	30.28
11 41 33 00-0010	EA		14" x 60" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit.....	245.45	30.52
11 41 33 00-0011	EA		14" x 72" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit.....	264.62	30.99
11 41 33 00-0012	EA		18" x 24" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit.....	202.39	29.32
11 41 33 00-0013	EA		18" x 30" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit.....	209.04	29.56
11 41 33 00-0014	EA		18" x 36" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit.....	215.70	29.80
11 41 33 00-0015	EA		18" x 42" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit.....	234.15	30.04
11 41 33 00-0016	EA		18" x 48" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit.....	246.70	30.28
11 41 33 00-0017	EA		18" x 54" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit.....	263.18	30.52
11 41 33 00-0018	EA		18" x 60" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit.....	269.79	30.76
11 41 33 00-0019	EA		18" x 72" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit.....	292.96	31.23
11 41 33 00-0020	EA		21" x 24" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit.....	211.02	29.56
11 41 33 00-0021	EA		21" x 30" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit.....	225.51	29.80
11 41 33 00-0022	EA		21" x 36" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit.....	236.13	30.04
11 41 33 00-0023	EA		21" x 42" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit.....	248.64	30.28
11 41 33 00-0024	EA		21" x 48" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit.....	257.28	30.52
11 41 33 00-0025	EA		21" x 54" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit.....	277.71	30.76
11 41 33 00-0026	EA		21" x 60" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit.....	288.28	30.99
11 41 33 00-0027	EA		21" x 72" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit.....	315.36	31.47
11 41 33 00-0028	EA		24" x 24" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit.....	229.51	29.80
11 41 33 00-0029	EA		24" x 30" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit.....	238.11	30.04
11 41 33 00-0030	EA		24" x 36" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit.....	244.72	30.28
11 41 33 00-0031	EA		24" x 42" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit.....	261.24	30.52
11 41 33 00-0032	EA		24" x 48" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit.....	271.81	30.76
11 41 33 00-0033	EA		24" x 54" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit.....	292.24	30.99
11 41 33 00-0034	EA		24" x 60" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit.....	306.73	31.23
11 41 33 00-0035	EA		24" x 72" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit.....	341.73	31.71
11 41 33 00-0036	EA		30" x 36" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit.....	293.31	30.04
11 41 33 00-0037	EA		30" x 48" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit.....	325.52	30.28
11 41 33 00-0038	EA		30" x 60" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit.....	346.00	30.52
11 41 33 00-0039	EA		30" x 72" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit.....	392.07	30.76
11 41 33 00-0040	EA		36" x 36" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit.....	321.80	30.99
11 41 33 00-0041	EA		36" x 48" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit.....	352.12	31.23
11 41 33 00-0042	EA		36" x 60" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit.....	390.24	31.47
11 41 33 00-0043	EA		36" x 72" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit.....	452.10	31.95
11 41 33 00-0044			63" Height, 4 Tier Open Wire Shelves, Chrome Shelving Unit ^(11 41 33 00-0002)		
11 41 33 00-0045	EA		14" x 24" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit.....	189.83	29.07
11 41 33 00-0046	EA		14" x 30" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit.....	198.43	29.32
11 41 33 00-0047	EA		14" x 36" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit.....	209.00	29.56
11 41 33 00-0048	EA		14" x 42" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit.....	215.66	29.80
11 41 33 00-0049	EA		14" x 48" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit.....	228.17	30.04



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MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 41 33 00-0050	EA		14" x 54" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit.....	238.78	30.28
11 41 33 00-0051	EA		14" x 60" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit.....	247.39	30.52
11 41 33 00-0052	EA		14" x 72" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit.....	266.55	30.99
11 41 33 00-0053	EA		18" x 24" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit.....	204.32	29.32
11 41 33 00-0054	EA		18" x 30" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit.....	210.98	29.56
11 41 33 00-0055	EA		18" x 36" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit.....	217.64	29.80
11 41 33 00-0056	EA		18" x 42" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit.....	236.08	30.04
11 41 33 00-0057	EA		18" x 48" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit.....	248.64	30.28
11 41 33 00-0058	EA		18" x 54" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit.....	265.11	30.52
11 41 33 00-0059	EA		18" x 60" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit.....	271.73	30.76
11 41 33 00-0060	EA		18" x 72" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit.....	275.74	31.23
11 41 33 00-0061	EA		21" x 24" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit.....	212.96	29.56
11 41 33 00-0062	EA		21" x 30" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit.....	227.45	29.80
11 41 33 00-0063	EA		21" x 36" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit.....	238.06	30.04
11 41 33 00-0064	EA		21" x 42" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit.....	250.57	30.28
11 41 33 00-0065	EA		21" x 48" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit.....	259.22	30.52
11 41 33 00-0066	EA		21" x 54" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit.....	279.64	30.76
11 41 33 00-0067	EA		21" x 60" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit.....	290.22	30.99
11 41 33 00-0068	EA		21" x 72" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit.....	317.30	31.47
11 41 33 00-0069	EA		24" x 24" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit.....	231.45	29.80
11 41 33 00-0070	EA		24" x 30" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit.....	240.04	30.04
11 41 33 00-0071	EA		24" x 36" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit.....	246.66	30.28
11 41 33 00-0072	EA		24" x 42" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit.....	263.18	30.52
11 41 33 00-0073	EA		24" x 48" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit.....	273.75	30.76
11 41 33 00-0074	EA		24" x 54" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit.....	294.17	30.99
11 41 33 00-0075	EA		24" x 60" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit.....	308.66	31.23
11 41 33 00-0076	EA		24" x 72" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit.....	343.67	31.71
11 41 33 00-0077	EA		30" x 36" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit.....	295.24	30.04
11 41 33 00-0078	EA		30" x 48" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit.....	327.46	30.28
11 41 33 00-0079	EA		30" x 60" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit.....	347.93	30.52
11 41 33 00-0080	EA		30" x 72" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit.....	394.00	30.76
11 41 33 00-0081	EA		36" x 36" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit.....	323.73	30.99
11 41 33 00-0082	EA		36" x 48" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit.....	354.05	31.23
11 41 33 00-0083	EA		36" x 60" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit.....	392.20	31.47
11 41 33 00-0084	EA		36" x 72" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit.....	454.03	31.95
11 41 33 00-0085			66" Height, 4 Tier Open Wire Shelves, Chrome Shelving Unit (11 41 33 00-0002)		
11 41 33 00-0086	EA		14" x 24" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit.....	190.84	29.07
11 41 33 00-0087	EA		14" x 30" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit.....	199.44	29.32
11 41 33 00-0088	EA		14" x 36" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit.....	210.01	29.56
11 41 33 00-0089	EA		14" x 42" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit.....	216.67	29.80
11 41 33 00-0090	EA		14" x 48" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit.....	229.18	30.04
11 41 33 00-0091	EA		14" x 54" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit.....	239.79	30.28
11 41 33 00-0092	EA		14" x 60" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit.....	248.40	30.52
11 41 33 00-0093	EA		14" x 72" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit.....	267.56	30.99
11 41 33 00-0094	EA		18" x 24" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit.....	205.34	29.32
11 41 33 00-0095	EA		18" x 30" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit.....	211.99	29.56
11 41 33 00-0096	EA		18" x 36" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit.....	218.65	29.80
11 41 33 00-0097	EA		18" x 42" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit.....	237.10	30.04
11 41 33 00-0098	EA		18" x 48" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit.....	249.65	30.28
11 41 33 00-0099	EA		18" x 54" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit.....	266.12	30.52
11 41 33 00-0100	EA		18" x 60" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit.....	272.74	30.76
11 41 33 00-0101	EA		18" x 72" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit.....	295.91	31.23
11 41 33 00-0102	EA		21" x 24" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit.....	213.97	29.56
11 41 33 00-0103	EA		21" x 30" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit.....	228.46	29.80
11 41 33 00-0104	EA		21" x 36" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit.....	239.07	30.04
11 41 33 00-0105	EA		21" x 42" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit.....	251.58	30.28
11 41 33 00-0106	EA		21" x 48" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit.....	260.23	30.52
11 41 33 00-0107	EA		21" x 54" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit.....	280.65	30.76
11 41 33 00-0108	EA		21" x 60" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit.....	291.23	30.99
11 41 33 00-0109	EA		21" x 72" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit.....	318.31	31.47
11 41 33 00-0110	EA		24" x 24" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit.....	232.46	29.80
11 41 33 00-0111	EA		24" x 30" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit.....	241.05	30.04
11 41 33 00-0112	EA		24" x 36" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit.....	247.67	30.28
11 41 33 00-0113	EA		24" x 42" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit.....	264.19	30.52
11 41 33 00-0114	EA		24" x 48" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit.....	274.76	30.76
11 41 33 00-0115	EA		24" x 54" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit.....	295.19	30.99
11 41 33 00-0116	EA		24" x 60" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit.....	309.67	31.23
11 41 33 00-0117	EA		24" x 72" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit.....	344.68	31.71
11 41 33 00-0118	EA		30" x 36" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit.....	296.25	30.04
11 41 33 00-0119	EA		30" x 48" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit.....	328.47	30.28
11 41 33 00-0120	EA		30" x 60" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit.....	348.95	30.52
11 41 33 00-0121	EA		30" x 72" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit.....	395.01	30.76
11 41 33 00-0122	EA		36" x 36" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit.....	324.74	30.99
11 41 33 00-0123	EA		36" x 48" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit.....	355.06	31.23
11 41 33 00-0124	EA		36" x 60" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit.....	393.20	31.47
11 41 33 00-0125	EA		36" x 72" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit.....	455.04	31.95
11 41 33 00-0126			74" Height, 4 Tier Open Wire Shelves, Chrome Shelving Unit (11 41 33 00-0002)		

11 Equipment
11 40 Foodservice Equipment
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MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 41 33 00-0127	EA		14" x 24" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	193.78	29.07
11 41 33 00-0128	EA		14" x 30" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	202.39	29.32
11 41 33 00-0129	EA		14" x 36" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	212.96	29.56
11 41 33 00-0130	EA		14" x 42" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	219.62	29.80
11 41 33 00-0131	EA		14" x 48" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	232.13	30.04
11 41 33 00-0132	EA		14" x 54" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	242.74	30.28
11 41 33 00-0133	EA		14" x 60" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	251.35	30.52
11 41 33 00-0134	EA		14" x 72" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	270.51	30.99
11 41 33 00-0135	EA		18" x 24" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	208.28	29.32
11 41 33 00-0136	EA		18" x 30" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	214.94	29.56
11 41 33 00-0137	EA		18" x 36" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	221.60	29.80
11 41 33 00-0138	EA		18" x 42" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	240.04	30.04
11 41 33 00-0139	EA		18" x 48" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	252.59	30.28
11 41 33 00-0140	EA		18" x 54" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	269.07	30.52
11 41 33 00-0141	EA		18" x 60" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	275.69	30.76
11 41 33 00-0142	EA		18" x 72" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	298.85	31.23
11 41 33 00-0143	EA		21" x 24" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	216.92	29.56
11 41 33 00-0144	EA		21" x 30" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	231.41	29.80
11 41 33 00-0145	EA		21" x 36" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	242.02	30.04
11 41 33 00-0146	EA		21" x 42" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	254.53	30.28
11 41 33 00-0147	EA		21" x 48" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	263.18	30.52
11 41 33 00-0148	EA		21" x 54" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	283.60	30.76
11 41 33 00-0149	EA		21" x 60" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	294.17	30.99
11 41 33 00-0150	EA		21" x 72" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	321.26	31.47
11 41 33 00-0151	EA		24" x 24" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	235.41	29.80
11 41 33 00-0152	EA		24" x 30" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	244.00	30.04
11 41 33 00-0153	EA		24" x 36" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	250.62	30.28
11 41 33 00-0154	EA		24" x 42" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	267.13	30.52
11 41 33 00-0155	EA		24" x 48" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	277.71	30.76
11 41 33 00-0156	EA		24" x 54" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	298.13	30.99
11 41 33 00-0157	EA		24" x 60" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	312.62	31.23
11 41 33 00-0158	EA		24" x 72" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	347.63	31.71
11 41 33 00-0159	EA		30" x 36" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	299.20	30.04
11 41 33 00-0160	EA		30" x 48" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	331.42	30.28
11 41 33 00-0161	EA		30" x 60" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	351.89	30.52
11 41 33 00-0162	EA		30" x 72" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	397.96	30.76
11 41 33 00-0163	EA		36" x 36" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	327.69	30.99
11 41 33 00-0164	EA		36" x 48" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	358.01	31.23
11 41 33 00-0165	EA		36" x 60" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	396.16	31.47
11 41 33 00-0166	EA		36" x 72" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	457.99	31.95
11 41 33 00-0167			86" Height, 4 Tier Open Wire Shelves, Chrome Shelving Unit <small>(11 41 33 00-0002)</small>		
11 41 33 00-0168	EA		14" x 24" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	201.66	29.07
11 41 33 00-0169	EA		14" x 30" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	210.26	29.32
11 41 33 00-0170	EA		14" x 36" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	220.83	29.56
11 41 33 00-0171	EA		14" x 42" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	227.49	29.80
11 41 33 00-0172	EA		14" x 48" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	240.00	30.04
11 41 33 00-0173	EA		14" x 54" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	250.62	30.28
11 41 33 00-0174	EA		14" x 60" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	259.22	30.52
11 41 33 00-0175	EA		14" x 72" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	278.39	30.99
11 41 33 00-0176	EA		18" x 24" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	216.16	29.32
11 41 33 00-0177	EA		18" x 30" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	222.81	29.56
11 41 33 00-0178	EA		18" x 36" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	229.47	29.80
11 41 33 00-0179	EA		18" x 42" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	247.92	30.04
11 41 33 00-0180	EA		18" x 48" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	260.47	30.28
11 41 33 00-0181	EA		18" x 54" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	276.95	30.52
11 41 33 00-0182	EA		18" x 60" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	283.56	30.76
11 41 33 00-0183	EA		18" x 72" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	306.73	31.23
11 41 33 00-0184	EA		21" x 24" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	224.79	29.56
11 41 33 00-0185	EA		21" x 30" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	239.28	29.80
11 41 33 00-0186	EA		21" x 36" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	249.90	30.04
11 41 33 00-0187	EA		21" x 42" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	262.40	30.28
11 41 33 00-0188	EA		21" x 48" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	271.05	30.52
11 41 33 00-0189	EA		21" x 54" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	291.48	30.76
11 41 33 00-0190	EA		21" x 60" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	302.05	30.99
11 41 33 00-0191	EA		21" x 72" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	329.13	31.47
11 41 33 00-0192	EA		24" x 24" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	243.28	29.80
11 41 33 00-0193	EA		24" x 30" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	251.87	30.04
11 41 33 00-0194	EA		24" x 36" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	258.49	30.28
11 41 33 00-0195	EA		24" x 42" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	275.01	30.52
11 41 33 00-0196	EA		24" x 48" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	285.58	30.76
11 41 33 00-0197	EA		24" x 54" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	306.01	30.99
11 41 33 00-0198	EA		24" x 60" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	320.49	31.23
11 41 33 00-0199	EA		24" x 72" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	355.50	31.71
11 41 33 00-0200	EA		30" x 36" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	307.07	30.04
11 41 33 00-0201	EA		30" x 48" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	339.29	30.28
11 41 33 00-0202	EA		30" x 60" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	359.77	30.52
11 41 33 00-0203	EA		30" x 72" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	405.83	30.76
11 41 33 00-0204	EA		36" x 36" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	335.56	30.99
11 41 33 00-0205	EA		36" x 48" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	365.88	31.23



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Foodservice Equipment	11 40
Foodservice Storage Equipment	11 41

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 41 33 00-0206 EA 36" x 60" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit.....	404.04	31.47
11 41 33 00-0207 EA 36" x 72" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit.....	465.86	31.95
11 41 33 00-0208 96" Height, 4 Tier Open Wire Shelves, Chrome Shelving Unit (11 41 33 00-0002)		
11 41 33 00-0209 EA 14" x 24" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit.....	230.74	29.07
11 41 33 00-0210 EA 14" x 30" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit.....	241.31	29.32
11 41 33 00-0211 EA 14" x 36" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit.....	254.35	29.56
11 41 33 00-0212 EA 14" x 42" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit.....	262.49	29.80
11 41 33 00-0213 EA 14" x 48" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit.....	277.95	30.04
11 41 33 00-0214 EA 14" x 54" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit.....	291.04	30.28
11 41 33 00-0215 EA 14" x 60" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit.....	301.61	30.52
11 41 33 00-0216 EA 14" x 72" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit.....	325.21	30.99
11 41 33 00-0217 EA 18" x 24" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit.....	248.68	29.32
11 41 33 00-0218 EA 18" x 30" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit.....	256.82	29.56
11 41 33 00-0219 EA 18" x 36" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit.....	264.96	29.80
11 41 33 00-0220 EA 18" x 42" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit.....	287.84	30.04
11 41 33 00-0221 EA 18" x 48" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit.....	303.35	30.28
11 41 33 00-0222 EA 18" x 54" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit.....	323.77	30.52
11 41 33 00-0223 EA 18" x 60" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit.....	331.85	30.76
11 41 33 00-0224 EA 18" x 72" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit.....	360.45	31.23
11 41 33 00-0225 EA 21" x 24" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit.....	259.30	29.56
11 41 33 00-0226 EA 21" x 30" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit.....	277.23	29.80
11 41 33 00-0227 EA 21" x 36" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit.....	290.32	30.04
11 41 33 00-0228 EA 21" x 42" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit.....	305.77	30.28
11 41 33 00-0229 EA 21" x 48" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit.....	316.40	30.52
11 41 33 00-0230 EA 21" x 54" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit.....	341.75	30.76
11 41 33 00-0231 EA 21" x 60" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit.....	354.79	30.99
11 41 33 00-0232 EA 21" x 72" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit.....	388.28	31.47
11 41 33 00-0233 EA 24" x 24" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit.....	282.23	29.80
11 41 33 00-0234 EA 24" x 30" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit.....	292.79	30.04
11 41 33 00-0235 EA 24" x 36" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit.....	300.88	30.28
11 41 33 00-0236 EA 24" x 42" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit.....	321.35	30.52
11 41 33 00-0237 EA 24" x 48" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit.....	334.38	30.76
11 41 33 00-0238 EA 24" x 54" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit.....	359.73	30.99
11 41 33 00-0239 EA 24" x 60" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit.....	377.66	31.23
11 41 33 00-0240 EA 24" x 72" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit.....	421.06	31.71
11 41 33 00-0241 EA 30" x 36" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit.....	361.79	30.04
11 41 33 00-0242 EA 30" x 48" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit.....	401.88	30.28
11 41 33 00-0243 EA 30" x 60" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit.....	427.29	30.52
11 41 33 00-0244 EA 30" x 72" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit.....	484.70	30.76
11 41 33 00-0245 EA 36" x 36" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit.....	396.68	30.99
11 41 33 00-0246 EA 36" x 48" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit.....	434.40	31.23
11 41 33 00-0247 EA 36" x 60" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit.....	481.91	31.47
11 41 33 00-0248 EA 36" x 72" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit.....	558.83	31.95
11 41 33 00-0249 Galvanized Shelving Units (11 41 33 00-0001)		
11 41 33 00-0250 54" Height, 4 Tier Open Wire Shelves, Galvanized Shelving Unit (11 41 33 00-0249)		
11 41 33 00-0251 EA 14" x 24" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit.....	207.55	29.07
11 41 33 00-0252 EA 14" x 30" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit.....	216.70	29.32
11 41 33 00-0253 EA 14" x 36" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit.....	227.99	29.56
11 41 33 00-0254 EA 14" x 42" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit.....	237.13	29.80
11 41 33 00-0255 EA 14" x 48" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit.....	250.53	30.04
11 41 33 00-0256 EA 14" x 54" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit.....	261.77	30.28
11 41 33 00-0257 EA 14" x 60" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit.....	273.07	30.52
11 41 33 00-0258 EA 14" x 72" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit.....	291.35	30.99
11 41 33 00-0259 EA 18" x 24" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit.....	223.02	29.32
11 41 33 00-0260 EA 18" x 30" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit.....	230.10	29.56
11 41 33 00-0261 EA 18" x 36" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit.....	243.45	29.80
11 41 33 00-0262 EA 18" x 42" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit.....	258.95	30.04
11 41 33 00-0263 EA 18" x 48" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit.....	272.34	30.28
11 41 33 00-0264 EA 18" x 54" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit.....	289.91	30.52
11 41 33 00-0265 EA 18" x 60" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit.....	303.31	30.76
11 41 33 00-0266 EA 18" x 72" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit.....	323.77	31.23
11 41 33 00-0267 EA 21" x 24" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit.....	232.20	29.56
11 41 33 00-0268 EA 21" x 30" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit.....	249.81	29.80
11 41 33 00-0269 EA 21" x 36" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit.....	261.05	30.04
11 41 33 00-0270 EA 21" x 42" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit.....	274.45	30.28
11 41 33 00-0271 EA 21" x 48" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit.....	283.60	30.52
11 41 33 00-0272 EA 21" x 54" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit.....	307.52	30.76
11 41 33 00-0273 EA 21" x 60" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit.....	318.81	30.99
11 41 33 00-0274 EA 21" x 72" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit.....	351.87	31.47
11 41 33 00-0275 EA 24" x 24" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit.....	254.02	29.80
11 41 33 00-0276 EA 24" x 30" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit.....	263.16	30.04
11 41 33 00-0277 EA 24" x 36" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit.....	270.24	30.28
11 41 33 00-0278 EA 24" x 42" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit.....	287.81	30.52
11 41 33 00-0279 EA 24" x 48" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit.....	307.52	30.76
11 41 33 00-0280 EA 24" x 54" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit.....	329.33	30.99
11 41 33 00-0281 EA 24" x 60" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit.....	346.94	31.23

11 Equipment**11 40 Foodservice Equipment****11 41 Foodservice Storage Equipment**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

11 41 33 00-0282	EA	24" x 72" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit.....	386.37	31.71
11 41 33 00-0283		63" Height, 4 Tier Open Wire Shelves, Galvanized Shelving Unit (11 41 33 00-0249)		
11 41 33 00-0284	EA	14" x 24" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit.....	211.76	29.07
11 41 33 00-0285	EA	14" x 30" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit.....	220.91	29.32
11 41 33 00-0286	EA	14" x 36" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit.....	232.20	29.56
11 41 33 00-0287	EA	14" x 42" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit.....	241.34	29.80
11 41 33 00-0288	EA	14" x 48" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit.....	254.74	30.04
11 41 33 00-0289	EA	18" x 54" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit.....	265.98	30.28
11 41 33 00-0290	EA	14" x 60" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit.....	277.28	30.52
11 41 33 00-0291	EA	14" x 72" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit.....	295.56	30.99
11 41 33 00-0292	EA	18" x 24" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit.....	227.23	29.32
11 41 33 00-0293	EA	18" x 30" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit.....	234.31	29.56
11 41 33 00-0294	EA	18" x 36" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit.....	247.66	29.80
11 41 33 00-0295	EA	18" x 42" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit.....	263.16	30.04
11 41 33 00-0296	EA	18" x 48" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit.....	276.55	30.28
11 41 33 00-0297	EA	18" x 54" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit.....	294.12	30.52
11 41 33 00-0298	EA	18" x 60" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit.....	307.52	30.76
11 41 33 00-0299	EA	18" x 72" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit.....	327.95	31.23
11 41 33 00-0300	EA	21" x 24" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit.....	236.41	29.56
11 41 33 00-0301	EA	21" x 30" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit.....	254.02	29.80
11 41 33 00-0302	EA	21" x 36" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit.....	265.26	30.04
11 41 33 00-0303	EA	21" x 42" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit.....	278.66	30.28
11 41 33 00-0304	EA	21" x 48" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit.....	287.81	30.52
11 41 33 00-0305	EA	21" x 54" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit.....	311.73	30.76
11 41 33 00-0306	EA	21" x 60" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit.....	323.02	30.99
11 41 33 00-0307	EA	21" x 72" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit.....	356.08	31.47
11 41 33 00-0308	EA	24" x 24" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit.....	258.23	29.80
11 41 33 00-0309	EA	24" x 30" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit.....	267.37	30.04
11 41 33 00-0310	EA	24" x 36" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit.....	274.45	30.28
11 41 33 00-0311	EA	24" x 42" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit.....	292.02	30.52
11 41 33 00-0312	EA	24" x 48" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit.....	311.73	30.76
11 41 33 00-0313	EA	24" x 54" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit.....	333.54	30.99
11 41 33 00-0314	EA	24" x 60" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit.....	351.15	31.23
11 41 33 00-0315	EA	24" x 72" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit.....	390.58	31.71
11 41 33 00-0316		74" Height, 4 Tier Open Wire Shelves, Galvanized Shelving Unit (11 41 33 00-0249)		
11 41 33 00-0317	EA	14" x 24" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit.....	215.97	29.07
11 41 33 00-0318	EA	14" x 30" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit.....	225.12	29.32
11 41 33 00-0319	EA	14" x 36" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit.....	236.41	29.56
11 41 33 00-0320	EA	14" x 42" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit.....	245.55	29.80
11 41 33 00-0321	EA	14" x 48" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit.....	258.95	30.04
11 41 33 00-0322	EA	14" x 54" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit.....	270.19	30.28
11 41 33 00-0323	EA	14" x 60" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit.....	281.49	30.52
11 41 33 00-0324	EA	14" x 72" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit.....	299.77	30.99
11 41 33 00-0325	EA	18" x 24" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit.....	231.44	29.32
11 41 33 00-0326	EA	18" x 30" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit.....	238.52	29.56
11 41 33 00-0327	EA	18" x 36" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit.....	251.87	29.80
11 41 33 00-0328	EA	18" x 42" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit.....	267.37	30.04
11 41 33 00-0329	EA	18" x 48" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit.....	280.76	30.28
11 41 33 00-0330	EA	18" x 54" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit.....	298.33	30.52
11 41 33 00-0331	EA	18" x 60" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit.....	311.73	30.76
11 41 33 00-0332	EA	18" x 72" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit.....	332.16	31.23
11 41 33 00-0333	EA	21" x 24" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit.....	240.62	29.56
11 41 33 00-0334	EA	21" x 30" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit.....	258.23	29.80
11 41 33 00-0335	EA	21" x 36" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit.....	269.47	30.04
11 41 33 00-0336	EA	21" x 42" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit.....	282.87	30.28
11 41 33 00-0337	EA	21" x 48" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit.....	292.02	30.52
11 41 33 00-0338	EA	21" x 54" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit.....	315.94	30.76
11 41 33 00-0339	EA	21" x 60" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit.....	327.23	30.99
11 41 33 00-0340	EA	21" x 72" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit.....	360.29	31.47
11 41 33 00-0341	EA	24" x 24" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit.....	262.44	29.80
11 41 33 00-0342	EA	24" x 30" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit.....	271.58	30.04
11 41 33 00-0343	EA	24" x 36" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit.....	278.66	30.28
11 41 33 00-0344	EA	24" x 42" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit.....	296.23	30.52
11 41 33 00-0345	EA	24" x 48" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit.....	315.94	30.76
11 41 33 00-0346	EA	24" x 54" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit.....	337.75	30.99
11 41 33 00-0347	EA	24" x 60" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit.....	355.36	31.23
11 41 33 00-0348	EA	24" x 72" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit.....	394.79	31.71
11 41 33 00-0349		86" Height, 4 Tier Open Wire Shelves, Galvanized Shelving Unit (11 41 33 00-0249)		
11 41 33 00-0350	EA	14" x 24" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit.....	226.54	29.07
11 41 33 00-0351	EA	14" x 30" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit.....	235.69	29.32
11 41 33 00-0352	EA	14" x 36" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit.....	246.98	29.56
11 41 33 00-0353	EA	14" x 42" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit.....	256.12	29.80
11 41 33 00-0354	EA	14" x 48" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit.....	269.52	30.04
11 41 33 00-0355	EA	14" x 54" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit.....	280.76	30.28
11 41 33 00-0356	EA	14" x 60" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit.....	292.06	30.52



Equipment	11	
Foodservice Equipment	11 40	11
Foodservice Storage Equipment	11 41	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 41 33 00-0357 EA 14" x 72" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit.....	310.34	30.99
11 41 33 00-0358 EA 18" x 24" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit.....	242.01	29.32
11 41 33 00-0359 EA 18" x 30" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit.....	249.09	29.56
11 41 33 00-0360 EA 18" x 36" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit.....	262.44	29.80
11 41 33 00-0361 EA 18" x 42" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit.....	277.94	30.04
11 41 33 00-0362 EA 18" x 48" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit.....	291.33	30.28
11 41 33 00-0363 EA 18" x 54" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit.....	308.90	30.52
11 41 33 00-0364 EA 18" x 60" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit.....	322.30	30.76
11 41 33 00-0365 EA 18" x 72" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit.....	342.73	31.23
11 41 33 00-0366 EA 21" x 24" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit.....	251.19	29.56
11 41 33 00-0367 EA 21" x 30" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit.....	268.80	29.80
11 41 33 00-0368 EA 21" x 36" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit.....	280.04	30.04
11 41 33 00-0369 EA 21" x 42" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit.....	293.44	30.28
11 41 33 00-0370 EA 21" x 48" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit.....	302.59	30.52
11 41 33 00-0371 EA 21" x 54" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit.....	326.51	30.76
11 41 33 00-0372 EA 21" x 60" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit.....	337.80	30.99
11 41 33 00-0373 EA 21" x 72" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit.....	370.86	31.47
11 41 33 00-0374 EA 24" x 24" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit.....	273.01	29.80
11 41 33 00-0375 EA 24" x 30" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit.....	282.15	30.04
11 41 33 00-0376 EA 24" x 36" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit.....	289.23	30.28
11 41 33 00-0377 EA 24" x 42" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit.....	306.80	30.52
11 41 33 00-0378 EA 24" x 48" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit.....	326.51	30.76
11 41 33 00-0379 EA 24" x 54" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit.....	348.32	30.99
11 41 33 00-0380 EA 24" x 60" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit.....	365.93	31.23
11 41 33 00-0381 EA 24" x 72" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit.....	405.36	31.71
11 41 33 00-0382 54" Height, 4 Tier Solid Shelves, Galvanized Shelving Unit (11 41 33 00-0249)		
11 41 33 00-0383 EA 18" x 36" Wide Solid Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit.....	363.70	29.80
11 41 33 00-0384 EA 18" x 48" Wide Solid Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit.....	396.80	30.28
11 41 33 00-0385 EA 18" x 60" Wide Solid Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit.....	440.44	30.76
11 41 33 00-0386 EA 18" x 72" Wide Solid Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit.....	467.19	31.23
11 41 33 00-0387 EA 24" x 36" Wide Solid Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit.....	394.66	30.28
11 41 33 00-0388 EA 24" x 48" Wide Solid Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit.....	450.97	30.76
11 41 33 00-0389 EA 24" x 60" Wide Solid Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit.....	494.60	31.23
11 41 33 00-0390 EA 24" x 72" Wide Solid Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit.....	559.33	31.71
11 41 33 00-0391 63" Height, 4 Tier Solid Shelves, Galvanized Shelving Unit (11 41 33 00-0249)		
11 41 33 00-0392 EA 18" x 36" Wide Solid Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit.....	367.91	29.80
11 41 33 00-0393 EA 18" x 48" Wide Solid Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit.....	401.02	30.28
11 41 33 00-0394 EA 18" x 60" Wide Solid Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit.....	444.65	30.76
11 41 33 00-0395 EA 18" x 72" Wide Solid Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit.....	471.40	31.23
11 41 33 00-0396 EA 24" x 36" Wide Solid Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit.....	398.87	30.28
11 41 33 00-0397 EA 24" x 48" Wide Solid Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit.....	455.18	30.76
11 41 33 00-0398 EA 24" x 60" Wide Solid Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit.....	498.81	31.23
11 41 33 00-0399 EA 24" x 72" Wide Solid Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit.....	563.54	31.71
11 41 33 00-0400 74" Height, 4 Tier Solid Shelves, Galvanized Shelving Unit (11 41 33 00-0249)		
11 41 33 00-0401 EA 18" x 36" Wide Solid Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit.....	372.12	29.80
11 41 33 00-0402 EA 18" x 48" Wide Solid Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit.....	405.23	30.28
11 41 33 00-0403 EA 18" x 60" Wide Solid Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit.....	448.87	30.76
11 41 33 00-0404 EA 18" x 72" Wide Solid Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit.....	475.61	31.23
11 41 33 00-0405 EA 24" x 36" Wide Solid Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit.....	403.08	30.28
11 41 33 00-0406 EA 24" x 48" Wide Solid Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit.....	459.39	30.76
11 41 33 00-0407 EA 24" x 60" Wide Solid Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit.....	503.02	31.23
11 41 33 00-0408 EA 24" x 72" Wide Solid Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit.....	567.76	31.71
11 41 33 00-0409 86" Height, 4 Tier Solid Shelves, Galvanized Shelving Unit (11 41 33 00-0249)		
11 41 33 00-0410 EA 18" x 36" Wide Solid Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit.....	382.69	29.80
11 41 33 00-0411 EA 18" x 48" Wide Solid Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit.....	415.79	30.28
11 41 33 00-0412 EA 18" x 60" Wide Solid Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit.....	459.43	30.76
11 41 33 00-0413 EA 18" x 72" Wide Solid Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit.....	486.18	31.23
11 41 33 00-0414 EA 24" x 36" Wide Solid Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit.....	413.65	30.28
11 41 33 00-0415 EA 24" x 48" Wide Solid Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit.....	469.96	30.76
11 41 33 00-0416 EA 24" x 60" Wide Solid Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit.....	513.59	31.23
11 41 33 00-0417 EA 24" x 72" Wide Solid Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit.....	578.32	31.71
11 41 33 00-0418 Stainless Steel Shelving Unit (11 41 33 00-0001)		
11 41 33 00-0419 63" Height, 4 Tier Open Wire Shelves, Stainless Steel Shelving Unit (11 41 33 00-0418)		
11 41 33 00-0420 EA 18" x 36" Wide Open Wire Shelf, 63" Height, 4 Shelves, Stainless Steel Shelving Unit.....	614.73	29.80
11 41 33 00-0421 EA 18" x 48" Wide Open Wire Shelf, 63" Height, 4 Shelves, Stainless Steel Shelving Unit.....	715.33	30.28
11 41 33 00-0422 EA 18" x 60" Wide Open Wire Shelf, 63" Height, 4 Shelves, Stainless Steel Shelving Unit.....	842.45	30.76
11 41 33 00-0423 EA 18" x 72" Wide Open Wire Shelf, 63" Height, 4 Shelves, Stainless Steel Shelving Unit.....	975.57	31.23
11 41 33 00-0424 EA 24" x 36" Wide Open Wire Shelf, 63" Height, 4 Shelves, Stainless Steel Shelving Unit.....	723.75	30.28
11 41 33 00-0425 EA 24" x 48" Wide Open Wire Shelf, 63" Height, 4 Shelves, Stainless Steel Shelving Unit.....	839.14	30.76

11 Equipment**11 40 Foodservice Equipment****11 41 Foodservice Storage Equipment**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 41 33 00-0426 EA 24" x 60" Wide Open Wire Shelf, 63" Height, 4 Shelves, Stainless Steel Shelving Unit	990.35	31.23
11 41 33 00-0427 EA 24" x 72" Wide Open Wire Shelf, 63" Height, 4 Shelves, Stainless Steel Shelving Unit	1,190.07	31.71
11 41 33 00-0428 74" Height, 4 Tier Open Wire Shelves, Stainless Steel Shelving Unit (11 41 33 00-0418)		
11 41 33 00-0429 EA 18" x 36" Wide Open Wire Shelf, 74" Height, 4 Shelves, Stainless Steel Shelving Unit	635.83	29.80
11 41 33 00-0430 EA 18" x 48" Wide Open Wire Shelf, 74" Height, 4 Shelves, Stainless Steel Shelving Unit	736.43	30.28
11 41 33 00-0431 EA 18" x 60" Wide Open Wire Shelf, 74" Height, 4 Shelves, Stainless Steel Shelving Unit	866.55	30.76
11 41 33 00-0432 EA 18" x 72" Wide Open Wire Shelf, 74" Height, 4 Shelves, Stainless Steel Shelving Unit	996.66	31.23
11 41 33 00-0433 EA 24" x 36" Wide Open Wire Shelf, 74" Height, 4 Shelves, Stainless Steel Shelving Unit	744.85	30.28
11 41 33 00-0434 EA 24" x 48" Wide Open Wire Shelf, 74" Height, 4 Shelves, Stainless Steel Shelving Unit	860.23	30.76
11 41 33 00-0435 EA 24" x 60" Wide Open Wire Shelf, 74" Height, 4 Shelves, Stainless Steel Shelving Unit	1,011.44	31.23
11 41 33 00-0436 EA 24" x 72" Wide Open Wire Shelf, 74" Height, 4 Shelves, Stainless Steel Shelving Unit	1,211.17	31.71
11 41 33 00-0437 86" Height, 4 Tier Open Wire Shelves, Stainless Steel Shelving Unit (11 41 33 00-0418)		
11 41 33 00-0438 EA 18" x 36" Wide Open Wire Shelf, 86" Height, 4 Shelves, Stainless Steel Shelving Unit	656.92	29.80
11 41 33 00-0439 EA 18" x 48" Wide Open Wire Shelf, 86" Height, 4 Shelves, Stainless Steel Shelving Unit	757.52	30.28
11 41 33 00-0440 EA 18" x 60" Wide Open Wire Shelf, 86" Height, 4 Shelves, Stainless Steel Shelving Unit	887.64	30.76
11 41 33 00-0441 EA 18" x 72" Wide Open Wire Shelf, 86" Height, 4 Shelves, Stainless Steel Shelving Unit	1,017.76	31.23
11 41 33 00-0442 EA 24" x 36" Wide Open Wire Shelf, 86" Height, 4 Shelves, Stainless Steel Shelving Unit	765.94	30.28
11 41 33 00-0443 EA 24" x 48" Wide Open Wire Shelf, 86" Height, 4 Shelves, Stainless Steel Shelving Unit	881.33	30.76
11 41 33 00-0444 EA 24" x 60" Wide Open Wire Shelf, 86" Height, 4 Shelves, Stainless Steel Shelving Unit	1,032.54	31.23
11 41 33 00-0445 EA 24" x 72" Wide Open Wire Shelf, 86" Height, 4 Shelves, Stainless Steel Shelving Unit	1,232.26	31.71
11 41 33 00-0446 63" Height, 4 Tier Solid Shelves, Stainless Steel Shelving Unit (11 41 33 00-0418)		
11 41 33 00-0447 EA 18" x 36" Wide Solid Shelf, 63" Height, 4 Shelves, Stainless Steel Shelving Unit	728.67	29.80
11 41 33 00-0448 EA 18" x 48" Wide Solid Shelf, 63" Height, 4 Shelves, Stainless Steel Shelving Unit	802.81	30.28
11 41 33 00-0449 EA 18" x 60" Wide Solid Shelf, 63" Height, 4 Shelves, Stainless Steel Shelving Unit	901.09	30.76
11 41 33 00-0450 EA 18" x 72" Wide Solid Shelf, 63" Height, 4 Shelves, Stainless Steel Shelving Unit	960.63	31.23
11 41 33 00-0451 EA 24" x 36" Wide Solid Shelf, 63" Height, 4 Shelves, Stainless Steel Shelving Unit	867.20	30.28
11 41 33 00-0452 EA 24" x 48" Wide Solid Shelf, 63" Height, 4 Shelves, Stainless Steel Shelving Unit	1,016.32	30.76
11 41 33 00-0453 EA 24" x 60" Wide Solid Shelf, 63" Height, 4 Shelves, Stainless Steel Shelving Unit	1,125.20	31.23
11 41 33 00-0454 EA 24" x 72" Wide Solid Shelf, 63" Height, 4 Shelves, Stainless Steel Shelving Unit	1,287.80	31.71
11 41 33 00-0455 74" Height, 4 Tier Solid Shelves, Stainless Steel Shelving Unit (11 41 33 00-0418)		
11 41 33 00-0456 EA 18" x 36" Wide Solid Shelf, 74" Height, 4 Shelves, Stainless Steel Shelving Unit	749.76	29.80
11 41 33 00-0457 EA 18" x 48" Wide Solid Shelf, 74" Height, 4 Shelves, Stainless Steel Shelving Unit	825.18	30.28
11 41 33 00-0458 EA 18" x 60" Wide Solid Shelf, 74" Height, 4 Shelves, Stainless Steel Shelving Unit	925.19	30.76
11 41 33 00-0459 EA 18" x 72" Wide Solid Shelf, 74" Height, 4 Shelves, Stainless Steel Shelving Unit	985.73	31.23
11 41 33 00-0460 EA 24" x 36" Wide Solid Shelf, 74" Height, 4 Shelves, Stainless Steel Shelving Unit	888.30	30.28
11 41 33 00-0461 EA 24" x 48" Wide Solid Shelf, 74" Height, 4 Shelves, Stainless Steel Shelving Unit	1,037.41	30.76
11 41 33 00-0462 EA 24" x 60" Wide Solid Shelf, 74" Height, 4 Shelves, Stainless Steel Shelving Unit	1,147.48	31.23
11 41 33 00-0463 EA 24" x 72" Wide Solid Shelf, 74" Height, 4 Shelves, Stainless Steel Shelving Unit	1,311.90	31.71
11 41 33 00-0464 86" Height, 4 Tier Solid Shelves, Stainless Steel Shelving Unit (11 41 33 00-0418)		
11 41 33 00-0465 EA 18" x 36" Wide Solid Shelf, 86" Height, 4 Shelves, Stainless Steel Shelving Unit	770.86	29.80
11 41 33 00-0466 EA 18" x 48" Wide Solid Shelf, 86" Height, 4 Shelves, Stainless Steel Shelving Unit	845.87	30.28
11 41 33 00-0467 EA 18" x 60" Wide Solid Shelf, 86" Height, 4 Shelves, Stainless Steel Shelving Unit	945.36	30.76
11 41 33 00-0468 EA 18" x 72" Wide Solid Shelf, 86" Height, 4 Shelves, Stainless Steel Shelving Unit	1,005.62	31.23
11 41 33 00-0469 EA 24" x 36" Wide Solid Shelf, 86" Height, 4 Shelves, Stainless Steel Shelving Unit	909.39	30.28
11 41 33 00-0470 EA 24" x 48" Wide Solid Shelf, 86" Height, 4 Shelves, Stainless Steel Shelving Unit	1,058.51	30.76
11 41 33 00-0471 EA 24" x 60" Wide Solid Shelf, 86" Height, 4 Shelves, Stainless Steel Shelving Unit	1,167.90	31.23
11 41 33 00-0472 EA 24" x 72" Wide Solid Shelf, 86" Height, 4 Shelves, Stainless Steel Shelving Unit	1,331.26	31.71
11 41 33 00-0473 Galvanized Steel Dunnage Rack (11 41 33 00-0001)		
11 41 33 00-0474 EA 18" x 24" Open Wire Shelf, 14" Height, Galvanized Dunnage Rack	155.93	21.43
11 41 33 00-0475 EA 18" x 30" Open Wire Shelf, 14" Height, Galvanized Dunnage Rack	163.73	22.02
11 41 33 00-0476 EA 18" x 36" Open Wire Shelf, 14" Height, Galvanized Dunnage Rack	172.54	22.62
11 41 33 00-0477 EA 18" x 48" Open Wire Shelf, 14" Height, Galvanized Dunnage Rack	188.34	23.22
11 41 33 00-0478 EA 18" x 60" Open Wire Shelf, 14" Height, Galvanized Dunnage Rack	202.14	23.81
11 41 33 00-0479 EA 24" x 24" Open Wire Shelf, 14" Height, Galvanized Dunnage Rack	165.93	21.43
11 41 33 00-0480 EA 24" x 30" Open Wire Shelf, 14" Height, Galvanized Dunnage Rack	179.73	22.02
11 41 33 00-0481 EA 24" x 36" Open Wire Shelf, 14" Height, Galvanized Dunnage Rack	188.54	22.62
11 41 33 00-0482 EA 24" x 48" Open Wire Shelf, 14" Height, Galvanized Dunnage Rack	203.34	23.22
11 41 33 00-0483 EA 24" x 60" Open Wire Shelf, 14" Height, Galvanized Dunnage Rack	220.14	23.81
11 41 33 00-0484 Stainless Steel Dunnage Rack (11 41 33 00-0001)		
11 41 33 00-0485 EA 18" x 36" Open Wire Shelf, 14-1/2" Height, Stainless Steel Dunnage Rack	380.95	22.62
11 41 33 00-0486 EA 18" x 48" Open Wire Shelf, 14-1/2" Height, Stainless Steel Dunnage Rack	472.07	23.22
11 41 33 00-0487 EA 18" x 60" Open Wire Shelf, 16-1/4" Height, Stainless Steel Dunnage Rack	781.15	23.81
11 41 33 00-0488 EA 24" x 36" Open Wire Shelf, 14-1/2" Height, Stainless Steel Dunnage Rack	414.39	22.62
11 41 33 00-0489 EA 24" x 48" Open Wire Shelf, 14-1/2" Height, Stainless Steel Dunnage Rack	510.79	23.22
11 41 33 00-0490 EA 24" x 60" Open Wire Shelf, 16-1/4" Height, Stainless Steel Dunnage Rack	849.49	23.81



Equipment	11	
Foodservice Equipment	11 40	11
Foodservice Storage Equipment	11 41	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 41 33 00-0491 Mobile Racks <small>(11 41 33 00-0001)</small>		
11 41 33 00-0492 EA Mobile Rack With Pan Slide.....	1,382.63	36.07
11 41 33 00-0493 Can Racks <small>(11 41 33 00-0001)</small>		
11 41 33 00-0494 EA 27-1/4" Wide x 42" Deep x 81-1/16" High, Aluminum Frame Can Rack..... Note: 156 #10 cans capacity	2,029.56	36.07
11 42 Food Preparation Equipment <small>(11 40)</small>		
11 42 13 Food Preparation Appliances <small>(11 42)</small>		
11 42 13 00-0001 Vertical Cutter Mixers <small>(11 42 13)</small>		
11 42 13 00-0002 EA Bench Type Mixers, 25 Quart.....	8,195.36	218.84
11 42 13 00-0003 EA Bench Type Mixers, 40 Quart.....	9,401.02	218.84
11 42 13 00-0004 EA Bench Type Mixers, 80 Quart.....	11,816.51	376.40
11 42 13 00-0005 EA Bench Type Mixers, 130 Quart.....	13,424.48	612.76
11 42 13 00-0006 Choppers <small>(11 42 13)</small>		
11 42 13 00-0007 EA Choppers, 5 LB.....	2,094.31	175.07
11 42 13 00-0008 EA Choppers, 16 LB.....	3,068.01	227.59
11 42 13 00-0009 EA Choppers, 35 LB - 40 LB.....	5,867.55	280.12
11 42 13 00-0010 EA Choppers, 35 LB - 40 LB/Min, 2 HP.....	4,856.52	248.86
11 42 13 00-0011 EA Choppers, 35 LB - 40 LB/Min, 3 HP.....	5,497.72	248.86
11 42 13 00-0012 Floor Model Mixer <small>(11 42 13)</small>		
11 42 13 00-0013 EA Floor Type Mixers, 20 Quart.....	3,897.51	131.31
11 42 13 00-0014 EA Floor Type Mixers, 60 Quart.....	9,555.01	87.53
11 42 13 00-0015 EA Floor Type Mixers, 80 Quart.....	15,072.94	87.53
11 42 13 00-0016 EA Floor Type Mixers, 140 Quart.....	19,106.62	140.06
11 42 13 00-0017 Slicers <small>(11 42 13)</small>		
11 42 13 00-0018 EA Slicer With Table.....	3,273.75	126.40
11 42 13 00-0019 Peelers <small>(11 42 13)</small>		
11 42 13 00-0020 EA Small Peeler.....	2,265.39	142.24
11 42 13 00-0021 EA Large Peeler.....	2,413.29	189.69
11 42 13 00-0022 Proof Boxes <small>(11 42 13)</small>		
11 42 13 00-0023 EA 30-1/2" x 22-1/2", Stainless Steel Proof Box.....	1,163.84	72.05
11 42 13 00-0024 EA 30-1/2" x 45", Stainless Steel Proof Box.....	1,947.77	120.74
11 42 13 00-0025 EA 30-1/2" x 45", Galvanized Proof Box.....	1,709.24	54.81
11 42 13 00-0026 Non-Insulated Heated Proof Cabinet <small>(11 42 13)</small>		
11 42 13 00-0027 EA Angle Slide 69-3/4", Solid Door Non Insulated Heated Proof Cabinet.....	1,567.66	69.05
11 42 13 00-0028 EA Angle Slide 69-3/4", Clear Door Non Insulated Heated Proof Cabinet.....	1,681.58	73.82
11 42 13 00-0029 EA Channel Slide 69-3/4", Solid Door Non Insulated Heated Proof Cabinet.....	1,557.01	68.48
11 42 13 00-0030 EA Channel Slide 69-3/4", Clear Door Non Insulated Heated Proof Cabinet.....	1,650.23	72.60
11 42 13 00-0031 Insulated Heated Proof Cabinet <small>(11 42 13)</small>		
11 42 13 00-0032 EA 3 Spacing, 69-3/4" High Solid Door Insulated Heated Proof Cabinet.....	2,528.23	103.41
11 42 13 00-0033 EA 3 Spacing 69-3/4" High Sliding Door Insulated Heated Proof Cabinet.....	2,642.05	108.11
11 42 13 00-0034 Pass-Thru Hot Food Holding Cabinet <small>(11 42 13)</small>		
11 42 13 00-0035 EA Single Section, Full Door, Pass-Thru Hot Food Holding Cabinet.....	3,908.66	183.83
11 42 13 00-0036 EA Single Section, Half Door, Pass-Thru Hot Food Holding Cabinet.....	4,149.62	183.83
11 42 13 00-0037 EA Two Section, Full Door, Pass-Thru Hot Food Holding Cabinet.....	5,266.90	192.58
11 42 13 00-0038 EA Two Section, Half Door, Pass-Thru Hot Food Holding Cabinet.....	5,759.12	192.58
11 42 16 Food Preparation Surfaces <small>(11 42)</small>		
11 42 16 00-0001 Tables <small>(11 42 16)</small>		
11 42 16 00-0002 Baker's Table <small>(11 42 16 00-0001)</small>		
11 42 16 00-0003 EA 4' Open Base Baker's Table.....	760.06	46.11
11 42 16 00-0004 EA 10' Open Base Baker's Table.....	1,491.74	90.40
11 42 16 00-0005 EA 10' Undershelf Baker's Table.....	1,840.57	111.55

11	11 Equipment
	11 40 Foodservice Equipment
	11 42 Food Preparation Equipment



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 42 16 00-0006	EA		10' Three Drawers Baker's Table.....	1,974.09	119.77
11 42 16 00-0007	EA		10' Bins Baker's Table	2,904.41	176.28
11 42 16 00-0008	EA		10' Bins And Drawers Baker's Table.....	4,560.76	276.70
11 42 16 00-0009			Preparation Table, Stainless Steel, With Undershelf (11 42 16 00-0001)		
11 42 16 00-0010	EA		30" x 72" Square Edge Stainless Steel Preparation Table With Undershelf	422.31	24.31
11 42 16 00-0011	EA		30" x 72" Marine Edge Stainless Steel Preparation Table With Undershelf	457.82	29.20
11 42 16 00-0012	EA		36" x 96" Marine Edge Stainless Steel Preparation Table With Undershelf	687.93	39.68
11 42 16 00-0013			Preparation Table, Stainless Steel, With Open Front (11 42 16 00-0001)		
11 42 16 00-0014	EA		30" X 72" Round Edge Stainless Steel Preparation Table With Open Front.....	444.68	25.58
11 42 16 00-0015	EA		36" X 96" Round Edge Stainless Steel Preparation Table With Open Front.....	571.55	32.90
11 42 16 00-0016	EA		36" X 96" Square Edge Stainless Steel Preparation Table With Open Front.....	490.95	28.30
11 42 16 00-0017	EA		36" X 96" Marine Edge Stainless Steel Preparation Table With Open Front.....	590.95	34.08
11 42 16 00-0018	EA		Roller Utility Drawers Stainless Steel Preparation Table With Open Front	119.37	6.87
11 42 16 00-0019			Mobile Tables (11 42 16 00-0001)		
11 42 16 00-0020	EA		21-1/4" x 27-1/2" x 41" Galvanized Mobile Table With Galvanized Top.....	1,611.31	21.78
11 42 16 00-0021	EA		32-1/4" x 27-1/2" x 41" Galvanized Mobile Table With Galvanized Top.....	878.69	26.12
11 42 16 00-0022	EA		32-1/4" x 27-1/2" x 41" Stainless Steel Mobile Table With Stainless Steel Top	508.89	29.38
11 42 16 00-0023			Hot Food Tables, Stainless Steel, Gas Or Electric (11 42 16 00-0001)		
11 42 16 00-0024	EA		32-1/4" x 27-1/2" x 41" Stainless Steel Hot Food Tables	908.87	52.43
11 42 16 00-0025	EA		32-1/4" x 27-1/2" x 21" Stainless Steel Hot Food Tables	737.17	42.49
11 42 16 00-0026	EA		Full Size Pan With Cover Stainless Steel Hot Food Tables.....	61.19	3.53
11 42 16 00-0027	EA		Set Of Three 1/3 Size With Cover Stainless Steel Hot Food Tables.....	89.50	5.15
11 42 16 00-0028	EA		58-1/2", 4 Openings Stainless Steel Hot Food Tables	1,817.16	112.84
11 42 16 00-0029	EA		114-1/2", 8 Openings Stainless Steel Hot Food Tables	3,615.68	225.14
11 42 16 00-0030			Basic Table (11 42 16 00-0001)		
11 42 16 00-0031	LF		Table, Basic	254.61	20.06
11 42 16 00-0032			Table With Sink (11 42 16)		
11 42 16 00-0033	LF		Table With Sink.....	331.41	42.77
11 42 23			Food Preparation Scullery Sinks (11 42)		
11 42 23 00-0001			Stainless Steel Scullery Sinks (11 42 23)		
			Note: Excludes faucet. See CSI section 22 42 39 00-0075 for service sink faucets.		
11 42 23 00-0002	EA		Stainless Steel Scullery Sink, Single 30" x 24" x 12" Compartment And Drainboard.....	2,050.27	179.49
			For Additional Drain Board, Add	187.08	
11 42 23 00-0003	EA		Stainless Steel Scullery Sink, Double 30" x 24" x 12" Compartment And Drainboard	2,801.21	205.12
			For Additional Drain Board, Add	260.89	
11 42 23 00-0004	EA		Stainless Steel Scullery Sink, Triple 30" x 24" x 12" Compartment And Drainboard.....	3,647.75	205.12
			For Additional Drain Board, Add	344.26	
11 42 23 00-0005	EA		Stainless Steel Scullery Sink, Quad 30" x 24" x 12" Compartment And Drainboard.....	5,105.14	205.12
			For Additional Drain Board, Add	490.00	
11 42 23 00-0006	EA		Stainless Steel Pot Sink, Double 20" x 20" x 18" Compartment And Drainboard.....	3,315.89	205.12
11 42 23 00-0007	EA		Stainless Steel Scullery Sink, Double 24" x 24" x 14" Compartment And Drainboards (Elkay WNSF8248LR)	4,269.26	205.12
			For Additional Drain Board, Add	407.70	
11 44			Food Cooking Equipment (11 40)		
11 44 13			Commercial Ranges (11 44)		
11 44 13 00-0001			Range (11 44 13)		
11 44 13 00-0002	EA		Heavy Duty Range, With 34" Open Top Oven	1,952.87	87.53
11 44 13 00-0003	EA		Range With Fry Top.....	1,952.87	87.53
11 44 13 00-0004	EA		Steel Finish Fry Top.....	4,159.09	135.52
11 44 13 00-0005	EA		Stainless Top Only Fry Top	4,156.60	133.97
11 44 13 00-0006	EA		Stainless Top And 2 Sides Fry Top.....	4,803.58	155.98
11 44 13 00-0007	EA		Gas Range, Vulcan #260L.....	4,347.80	138.98
			Note: Six 12" burners, open top sections, porcelain on steel aeration plates and grates. 24" griddle/broiler, two 26-1/4" x 22" x 14-1/2" ovens porcelain on steel liner and aluminized steel construction, nickel plated oven racks.		
11 44 16			Commercial Ovens (11 44)		
11 44 16 00-0001			Bake Oven (11 44 16)		
11 44 16 00-0002	EA		Bake Oven - Single Deck.....	4,044.44	131.31
11 44 16 00-0003	EA		Bake Oven - Double Deck	8,199.41	175.07
11 44 16 00-0004	EA		Bake Oven - Triple Deck.....	11,905.25	175.07
11 44 16 00-0005	EA		Rotary Oven, Gas, Medium	31,591.13	5,689.87



Equipment	11	
Foodservice Equipment	11 40	11
Food Cooking Equipment	11 44	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 44 16 00-0006			Combination Ovens ^(11 44 16) Note: Convection, steam and combination modes.		
11 44 16 00-0007	EA		35.4" x 34" x 26.6" Half Size Electric Boilerless Combination Oven	12,304.62	153.19
11 44 16 00-0008	EA		35.4" x 45" x 36.8" Full Size Electric Boilerless Combination Oven.....	20,126.77	175.07
11 44 16 00-0009	EA		35.4" x 34" x 36.8" Half Size Electric Boilerless Combination Oven.....	16,650.69	175.07
11 44 16 00-0010	EA		35.4" x 45" x 70.4" Full Size Electric Boilerless Combination Oven.....	40,026.03	218.84
11 44 16 00-0011	EA		35.4" x 34" x 70.4" Half Size Electric Boilerless Combination Oven.....	30,428.29	218.84
11 44 16 00-0012			Electric Convection Type Oven ^(11 44 16)		
11 44 16 00-0013	EA		40" x 45" x 57" Convection Oven.....	6,302.44	148.81
11 44 16 00-0014	EA		30" x 25" x 29" Half Size Electric Convection Oven.....	3,668.52	153.19
11 44 16 00-0015	EA		30" x 25" x 66-3/4" Half Size Electric Convection Oven.....	7,413.71	164.13
11 44 16 00-0016	EA		40" x 41-1/2" x 56-3/4" Single Deck Electric Convection Oven.....	5,143.62	164.13
11 44 16 00-0017	EA		40" x 41-1/2" x 70" Single Deck Electric Convection Oven.....	9,667.00	175.07
11 44 16 00-0018			Broiler, Without Oven ^(11 44 16)		
11 44 16 00-0019	EA		69" x 26" x 39" Broiler Without Oven	5,389.94	140.06
11 44 16 00-0020	EA		Conveyor Broiler.....	4,803.29	162.55
11 44 19			Other Commercial Cooking Equipment ^(11 44)		
11 44 19 00-0001			Electric Griddle ^(11 44 19)		
11 44 19 00-0002	EA		24" Wide x 24" Deep Electric Griddle	2,233.50	120.36
11 44 19 00-0003	EA		36" Wide x 24" Deep Electric Griddle	3,136.38	120.36
11 44 19 00-0004	EA		48" Wide x 24" Deep Electric Griddle	3,584.63	131.31
11 44 19 00-0005	EA		60" Wide x 24" Deep Electric Griddle	4,268.95	131.31
11 44 19 00-0006	EA		72" Wide x 24" Deep Electric Griddle	5,450.96	142.24
11 44 19 00-0007			Fryer, With Submerger ^(11 44 19)		
11 44 19 00-0008	EA		Single Fryer With Submerger.....	2,973.71	140.06
11 44 19 00-0009	EA		Double Fryer With Submerger	5,983.30	175.07
11 44 19 00-0010	EA		Fryer Battery With Filter Unit (Single 42 LB Capacity).....	9,041.88	227.59
11 44 19 00-0011	EA		Fryer Battery With Filter Unit (Triple 42 LB Capacity).....	21,289.35	284.49
11 44 19 00-0012	EA		50 LB Capacity, 208 Volt, Electric Fryer	3,513.81	175.07
11 44 19 00-0013	EA		50 LB Capacity, Single Basket Lift, 208 Volt, Electric Fryer.....	5,113.49	183.83
11 44 19 00-0014	EA		50 LB Capacity, 480 Volt, Electric Fryer	3,681.49	175.07
11 44 19 00-0015	EA		50 LB Capacity, Single Basket Lift, 480 Volt, Electric Fryer.....	5,281.17	183.83
11 44 19 00-0016	EA		85 LB Capacity, Single Basket Lift, 208 Volt, Electric Fryer.....	11,499.69	227.59
11 44 19 00-0017	EA		85 LB Capacity, Single Basket Lift, 480 Volt, Electric Fryer.....	11,774.85	227.59
11 44 19 00-0018			Kettles, Steam Jacketed ^(11 44 19)		
11 44 19 00-0019	EA		5 Gallon Kettle, With Stand.....	3,065.63	111.18
11 44 19 00-0020	EA		20 Gallon Kettle With Steam Jacket	4,047.14	111.18
11 44 19 00-0021	EA		40 Gallon Kettle With Steam Jacket	7,133.26	111.18
11 44 19 00-0022	EA		60 Gallon Kettle With Steam Jacket	11,105.71	111.18
11 44 19 00-0023			Steamers, Electric ^(11 44 19)		
11 44 19 00-0024			Cooking Equipment/ Steamers ^(11 44 19 00-0023)		
11 44 19 00-0025	EA		3 Pan, Electric Countertop Convection Steamer.....	4,780.29	183.83
11 44 19 00-0026	EA		5 Pan, Electric Countertop Convection Steamer.....	6,258.17	192.58
11 44 19 00-0027	EA		3 Pan, Electric Countertop Boilerless/Connectionless Steamer.....	4,433.47	183.83
11 44 19 00-0028	EA		5 Pan, Electric Countertop Boilerless/Connectionless Steamer.....	6,407.93	192.58
11 44 19 00-0029			Braising Pans ^(11 44 19)		
11 44 19 00-0030	EA		24" x 24", 240 Volt, Tilting Braising Pan.....	6,416.52	193.79
11 44 19 00-0031	EA		24" x 31", 240 Volt, Tilting Braising Pan.....	6,770.79	203.79
11 44 19 00-0032	EA		24" x 41", 240 Volt, Tilting Braising Pan.....	7,211.42	217.02
11 44 19 00-0033	EA		24" x 24", 62,000 BTU/Hour, Tilting Braising Pan.....	8,364.72	252.71
11 44 19 00-0034	EA		24" x 31", 90,000 BTU/Hour, Tilting Braising Pan.....	8,649.24	260.50
11 44 19 00-0035	EA		24" x 41", 120,000 BTU/Hour, Tilting Braising Pan.....	8,984.05	267.39
11 44 19 00-0036			Toasters ^(11 44 19)		
11 44 19 00-0037	EA		Bun Toaster 3.2 KW	1,262.90	35.26
11 44 19 00-0038	EA		Bun Toaster 4.3 KW	1,378.25	38.42
11 44 19 00-0039	EA		Pop-Up Toaster, 2 Slot	453.39	94.80
11 44 19 00-0040	EA		Conveyor Toaster	772.64	142.24
11 44 19 00-0041			Microwave Ovens ^(11 44 19)		

11	11 Equipment
	11 40 Foodservice Equipment
	11 44 Food Cooking Equipment



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 44 19 00-0042 EA 1,000 Watt Commercial Grade Microwave Oven, Freestanding Metallic Cabinet With Dial Timer	667.67	
11 44 19 00-0043 EA 1,000 Watt Commercial Grade Microwave Oven, Freestanding Stainless Steel Cabinet With Digital Display	926.38	
11 44 19 00-0044 Ceramic Broiler On Storage Base With Doors (11 44 19)		
11 44 19 00-0045 EA Standard Finish Ceramic Boiler On Storage Base With Doors	5,286.43	158.88
11 44 19 00-0046 EA Stainless Steel Front Ceramic Boiler On Storage Base With Doors	5,286.43	158.88
11 44 19 00-0047 EA Stainless Steel Front And Sides Ceramic Boiler On Storage Base With Doors	6,570.86	198.34
11 44 19 00-0048 Gas Countertop Hot Plate (11 44 19)		
11 44 19 00-0049 EA 2 Burners Gas Countertop Hot Plate	673.98	20.23
11 46 Food Dispensing Equipment (11 46)		
11 46 13 Bar Equipment (11 46)		
11 46 13 00-0001 Soft Serve Machines (11 46 13)		
11 46 13 00-0002 EA Soft Serve Machines, Medium	9,162.40	103.47
11 46 13 00-0003 EA Soft Serve Machines, Large	15,439.72	126.40
11 46 13 00-0004 Salad Bars (11 46 13)		
11 46 13 00-0005 EA 96" Refrigerated Salad Bar With Light 54" Height	7,053.10	430.82
11 46 13 00-0006 EA 96" Refrigerated Salad Bar Without Light 54" Height	6,494.55	430.82
11 46 13 00-0007 EA 96" Iced Salad Bar Without Light 54" Height	4,520.43	236.70
11 46 13 00-0008 EA 79" Iced Salad Bar Without Light 54" Height	3,580.06	194.45
11 46 13 00-0009 EA 79" Refrigerated Salad Bar Without Light 54" Height	5,431.06	285.28
11 46 13 00-0010 EA 114" Iced Salad Bar 34" Height	5,939.51	252.71
11 46 13 00-0011 EA Salad Bar Tray Fixed	1,166.65	42.80
11 46 13 00-0012 EA Salad Bar Tray Hinged	1,240.28	42.80
11 46 16 Service Line Equipment (11 46)		
11 46 16 00-0001 Food Warmer Holding Station (11 46 16)		
11 46 16 00-0002 EA Food Warmer Station And Heat Lamp	466.61	13.01
11 46 16 00-0003 Roll And Food Warmers (11 46 16)		
11 46 16 00-0004 EA One Drawer, 16 Roll Capacity Food Warmer	1,004.11	28.03
11 46 16 00-0005 EA Three Drawer, 36 Roll Capacity Food Warmer	2,297.88	64.19
11 46 16 00-0006 Hot Cabinets With Top Wells Electric (11 46 16)		
11 46 16 00-0007 EA 2 Wells, 2 Compartments Hot Cabinet With Top Wells, Electric	5,404.02	158.88
11 46 16 00-0008 EA 3 Wells, 3 Compartments Hot Cabinet With Top Wells, Electric	7,721.28	227.69
11 46 16 00-0009 Portable Hot Food Units (11 46 16)		
11 46 16 00-0010 EA 44-1/2", 3 Opening Portable Hot Food Unit	1,192.05	35.13
11 46 16 00-0011 EA 72-1/2", 5 Opening Portable Hot Food Unit	1,735.63	51.14
11 46 16 00-0012 Stationary Hot Food Units (11 46 16)		
11 46 16 00-0013 EA 44-1/2", 3 Opening Stationary Hot Food Unit	1,072.85	32.35
11 46 16 00-0014 EA 72-1/2", 5 Opening Stationary Hot Food Unit	1,583.04	47.70
11 46 16 00-0015 Serving Counters (11 46 16)		
11 46 16 00-0016 LF 11" Deep, Tray Slide With 3 Raised Reinforced Ribs And Backing Plate, 316 Stainless Steel Solid Surface, Straight Section	100.98	35.71
11 46 16 00-0017 LF 11" Deep, Tray Slide With 3 Raised Reinforced Ribs And Backing Plate, 316 Stainless Steel Solid Surface, Curved Section	129.76	54.71
11 46 16 00-0018 Drop-In Equipment (11 46 16)		
11 46 16 00-0019 EA Hot Food Well, Rectangular	437.27	113.80
11 46 16 00-0020 EA Hot Food Well, Circular	404.50	113.80
11 46 16 00-0021 EA Refrigerated Well, 2 Compartment	1,015.95	113.80
11 46 16 00-0022 EA Refrigerated Well, 3 Compartment	1,151.61	126.40
11 46 16 00-0023 EA Refrigerated Well, 4 Compartment	1,307.11	142.24
11 46 16 00-0024 EA Frost Cold Plate	1,579.74	126.40
11 46 16 00-0025 Beverage Dispensing (11 46 16)		
11 46 16 00-0026 EA Coffee Urn, Twin 3 Gallon	2,601.23	199.02
11 46 16 00-0027 EA Coffee Urn, Twin 6 Gallon	3,702.31	278.58



Equipment	11	
Foodservice Equipment	11 40	11
Food Dispensing Equipment	11 46	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 46 16 00-0028 EA Coffee Brewer, 5 Burner	1,135.13	199.02
11 46 16 00-0029 EA Hot Chocolate Dispenser	1,089.46	163.92
11 46 16 00-0030 EA Iced Tea Brewer	1,556.32	163.92
11 46 16 00-0031 EA Juice Dispenser (Concentrate)	1,160.56	252.63
11 46 16 00-0032 EA Jet Spray Dispenser	1,611.49	252.89
11 46 16 00-0033 EA Milk Dispenser, Bulk, 2 Flavor	1,329.60	142.24
11 46 16 00-0034 EA Milk Dispenser, Bulk, 3 Flavor	1,796.46	142.24
11 46 16 00-0035 Dish Dispensers (11 46 16)		
11 46 16 00-0036 EA Dish Dispenser, 12", Drop-in	520.04	25.75
11 46 16 00-0037 EA Dish Dispenser, Mobile	1,613.04	30.09
11 46 16 00-0038 EA Cup And Glass Dispenser, Drop-in	894.07	80.09
11 46 16 00-0039 EA Disposable Cup Dispenser, Drop-in	322.74	18.04
11 46 16 00-0040 Tray And Silver Dispensers (11 46 16)		
11 46 16 00-0041 EA Tray And Silver Dispensers Mobile	2,011.62	18.04
11 46 16 00-0042 Condiment Dispensers (11 46 16)		
11 46 16 00-0043 EA Butter Pat Dispenser	122.08	22.59
11 46 16 00-0044 EA Bread Dispenser, Counter Top	336.67	22.59
11 46 16 00-0045 Sandwich Rack Warmer (11 46 16)		
11 46 16 00-0046 EA 18 Compartment, 2 Tier Sandwich Rack Warmer	2,542.78	103.86
11 46 16 00-0047 Mobile Bread Counter (11 46 16)		
11 46 16 00-0048 EA Mobile Bread And Roll Counter	5,835.37	233.49
11 46 16 00-0049 Open Service Stand (11 46 16)		
11 46 16 00-0050 EA 6' Open Service Stand	2,274.23	99.50
11 46 16 00-0051 LF Each Additional Ft Over 6 Ft Add	311.08	13.45
11 46 16 00-0052 Mobile Serving Stand Unit (11 46 16)		
11 46 16 00-0053 EA 36" Mobile Serving Stand Unit	1,990.00	95.17
11 46 16 00-0054 EA 96" Mobile Serving Stand Unit	3,264.71	142.65
11 46 16 00-0055 Reach-In Heated Cabinets (11 46 16)		
11 46 16 00-0056 EA Heated Cabinet, Reach-in, 1 Compartment	3,977.51	145.93
11 46 16 00-0057 EA Heated Cabinet, Reach-in, 2 Compartment	5,723.68	183.56
11 46 16 00-0058 EA Heated Cabinet, 1 Compartment, Pass-Through Roll-In	4,161.79	145.93
11 46 16 00-0059 EA Heated Cabinet, Pass-Through, Roll-In 2 Compartment	5,991.51	183.56
11 46 16 00-0060 Mobile Heated Cabinets (11 46 16)		
11 46 16 00-0061 EA Heated Cabinet, Mobile	4,431.16	45.09
11 46 19 Soda Fountain Equipment (11 46)		
11 46 19 00-0001 Carbonated Beverage Dispensing (11 46 19)		
11 46 19 00-0002 EA Carbonated Beverage Dispenser	2,855.51	355.66
11 46 19 00-0003 EA Carbonated Beverage Dispenser With 90 LB Ice	4,487.10	406.44
11 46 19 00-0004 EA Carbonated Beverage Dispenser With 150 LB Ice	8,201.46	568.99
11 46 19 00-0005 Beverage Chilling Systems (11 46 19)		
11 46 19 00-0006 EA Beverage Chiller, Small	4,296.70	341.84
11 46 19 00-0007 EA Beverage Chiller, Large	7,922.65	512.81
11 46 83 Ice Machines (11 46)		
11 46 83 00-0001 Ice Cube Maker (11 46 83)		
11 46 83 00-0002 EA 101 LB/Day, Self Contained Ice Maker With Built-In Bin	1,827.90	153.19
11 46 83 00-0003 EA 201 LB/Day, Self Contained Ice Maker With Built-In Bin	2,158.52	164.13
11 46 83 00-0004 EA 260 LB/Day, Self Contained Ice Maker With Built-In Bin	2,467.06	175.07
11 46 83 00-0005 EA 320 LB/Day, Modular Ice Maker Without Bin	2,180.57	164.13
11 46 83 00-0006 EA 451 LB/Day, Modular Ice Maker Without Bin	2,367.21	175.07
11 46 83 00-0007 EA 600 LB/Day, Modular Ice Maker Without Bin	2,691.99	175.07
11 46 83 00-0008 EA 901 LB/Day, Modular Ice Maker Without Bin	3,802.71	186.01
11 46 83 00-0009 EA 1301 LB/Day, Modular Ice Maker Without Bin	4,297.14	186.01
11 46 83 00-0010 EA 1601 LB/Day, Modular Ice Maker Without Bin	5,160.77	196.96

11	11 Equipment
	11 40 Foodservice Equipment
	11 46 Food Dispensing Equipment



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 46 83 00-0011 EA 1900 LB/Day, Modular Ice Maker Without Bin	5,686.21	196.96
11 46 83 00-0012 Ice Flakers <small>(11 46 83)</small>		
11 46 83 00-0013 EA Ice Flakers, 300 LB/Day.....	3,546.95	557.32
11 46 83 00-0014 EA Ice Flakers, 600 LB/Day.....	6,347.96	891.73
11 46 83 00-0015 EA Ice Flakers, 1,000 LB/Day.....	7,933.85	1,226.12
11 46 83 00-0016 EA Ice Flakers, 2,000 LB/Day.....	9,578.74	1,337.59
11 46 83 00-0017 Ice Storage Bins <small>(11 46 83)</small>		
11 46 83 00-0018 EA 260 LB Stainless Steel Ice Storage Bin	895.65	108.25
11 46 83 00-0019 EA 360 LB Stainless Steel Ice Storage Bin	975.04	108.25
11 46 83 00-0020 EA 550 LB Stainless Steel Ice Storage Bin	1,204.78	117.26
11 46 83 00-0021 EA 660 LB Stainless Steel Ice Storage Bin	1,292.99	117.26
11 46 83 00-0022 EA 1150 LB Stainless Steel Ice Storage Bin	2,413.58	126.28

11 48 Foodservice Cleaning and Disposal Equipment (11 48)

11 48 13 Commercial Dishwashers (11 48)

11 48 13 00-0001 Sprays And Hoses <small>(11 48 13)</small>		
11 48 13 00-0002 Sprays, Fillers <small>(11 48 13 00-0001)</small>		
11 48 13 00-0003 EA Pre-Rinse Spray.....	367.82	81.50
11 48 13 00-0004 EA Kettle Fillers	326.87	81.50
11 48 13 00-0005 Hoses <small>(11 48 13 00-0001)</small>		
11 48 13 00-0006 EA Hose Reel.....	441.39	97.84
11 48 13 00-0007 EA Wash-Down Hose.....	359.48	97.84
11 48 13 00-0008 EA Hose Reel And Spray System With Accessories (Chicago 535NF).....	1,325.56	
11 48 13 00-0009 Rack Type Dishwasher <small>(11 48 13)</small>		
11 48 13 00-0010 EA Dishwasher, 1 Tank And 190 Racks/Hour	7,236.94	222.87
11 48 13 00-0011 EA Dishwasher, 2 Tanks And 234 Racks/Hour	11,994.20	312.02
11 48 13 00-0012 EA Dishwasher, 2 Tanks And 265 Racks/Hour	14,423.08	334.30
11 48 13 00-0013 EA Dishwasher, Automatic - 100 Meals/Hour.....	11,470.64	167.15
11 48 13 00-0014 EA Dishwasher, Machine Rack	13,566.71	464.35
11 48 13 00-0015 EA Dishwasher, Hobart LX30-H	3,661.23	195.01
11 48 13 00-0016 Exhaust Hood Dishwasher <small>(11 48 13)</small>		
11 48 13 00-0017 EA 4' x 4' x 2' Dishwasher Exhaust Hood Stainless Steel With Gutter On All Sides.....	1,530.65	197.93
11 48 13 00-0018 EA 4' x 4' x 7' Dishwasher Exhaust Hood Stainless Steel With Gutter On All Sides.....	2,535.16	237.51
11 48 13 00-0019 Dish Tables <small>(11 48 13)</small>		
11 48 13 00-0020 LF Clean/Soiled Dish Table, Basic.....	197.27	42.77
11 48 13 00-0021 LF Clean/Soiled Dish Table With Trough.....	307.57	64.10
11 48 13 00-0022 LF Clean/Soiled Dish Table, Maximum	378.98	85.43
11 48 16 Food Waste Disposers <small>(11 48)</small>		
11 48 16 00-0001 Garbage Disposals <small>(11 48 16)</small>		
Note: Manual switch.		
11 48 16 00-0002 EA Garbage Disposal 1.5 HP At 100 GPH.....	2,089.91	167.15
11 48 16 00-0003 EA Garbage Disposal 3 HP At 120 GPH.....	3,165.20	111.43
11 48 16 00-0004 EA Garbage Disposal 5 HP At 250 GPH.....	3,765.61	222.87
11 48 16 00-0005 EA Garbage Disposal 7-1/2 HP	5,147.96	221.53
11 48 16 00-0006 Pulper/Extractors <small>(11 48 16)</small>		
11 48 16 00-0007 EA 5 HP, Pulper/Extractor, Close-Coupled.....	4,573.26	232.11

11 50 Educational And Scientific Equipment (11)

11 52 Audio-Visual Equipment (11 50)

11 52 13 Projection Screens (11 52)

11 52 13 13 Fixed Projection Screens (11 52 13)

11 52 13 13-0001 Screens <small>(11 52 13 13)</small>	
11 52 13 13-0002 Pull Down Project Screen, Matte White Or Glass Beaded (Da-Lite Model B)	
<small>(11 52 13 13-0001)</small>	



Equipment	11
Educational And Scientific Equipment	11 50
Audio-Visual Equipment	11 52

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 52 13 13-0003 EA 40" x 40" Pull Down Projection Screen (Da-Lite B)..... <i>For High Contrast Matte, Add</i> <i>For Video Spectra Fabric, Add</i> <i>For High Power Fabric, Add</i>	195.60 40.00 40.00 120.00	63.30
11 52 13 13-0004 EA 50" x 50" Pull Down Projection Screen (Da-Lite B)..... <i>For High Contrast Matte, Add</i> <i>For Video Spectra Fabric, Add</i> <i>For High Power Fabric, Add</i>	237.25 40.00 40.00 120.00	81.39
11 52 13 13-0005 EA 60" x 60" Pull Down Projection Screen (Da-Lite B)..... <i>For High Contrast Matte, Add</i> <i>For Video Spectra Fabric, Add</i> <i>For High Power Fabric, Add</i>	315.07 40.00 40.00 120.00	113.04
11 52 13 13-0006 EA 70" x 70" Pull Down Projection Screen (Da-Lite B)..... <i>For High Contrast Matte, Add</i> <i>For Video Spectra Fabric, Add</i> <i>For High Power Fabric, Add</i>	370.29 40.00 40.00 120.00	135.64
11 52 13 13-0007 EA 84" x 84" Pull Down Projection Screen (Da-Lite B)..... <i>For High Contrast Matte, Add</i> <i>For Video Spectra Fabric, Add</i> <i>For High Power Fabric, Add</i>	565.93 40.00 40.00 120.00	203.46
11 52 13 13-0008 EA 96" x 96" Pull Down Projection Screen (Da-Lite B)..... <i>For High Contrast Matte, Add</i> <i>For Video Spectra Fabric, Add</i> <i>For High Power Fabric, Add</i>	651.14 40.00 40.00 120.00	226.07
11 52 13 13-0009 EA 64" x 84" Pull Down Projection Screen (Da-Lite B)..... <i>For High Contrast Matte, Add</i> <i>For Video Spectra Fabric, Add</i> <i>For High Power Fabric, Add</i>	448.36 40.00 40.00 120.00	144.68
11 52 13 13-0010 EA 72" x 96" Pull Down Projection Screen (Da-Lite B)..... <i>For High Contrast Matte, Add</i> <i>For Video Spectra Fabric, Add</i> <i>For High Power Fabric, Add</i>	530.71 40.00 40.00 120.00	180.85
11 52 13 13-0011 EA 43" x 57" Pull Down Projection Screen (Da-Lite B)..... <i>For High Contrast Matte, Add</i> <i>For Video Spectra Fabric, Add</i> <i>For High Power Fabric, Add</i>	262.72 40.00 40.00 120.00	76.86
11 52 13 13-0012 EA 50" x 67" Pull Down Projection Screen (Da-Lite B)..... <i>For High Contrast Matte, Add</i> <i>For Video Spectra Fabric, Add</i> <i>For High Power Fabric, Add</i>	366.03 40.00 40.00 120.00	108.51
11 52 13 13-0013 EA 55" x 77" Pull Down Projection Screen (Da-Lite B)..... <i>For High Contrast Matte, Add</i> <i>For Video Spectra Fabric, Add</i> <i>For High Power Fabric, Add</i>	403.16 40.00 40.00 120.00	122.08
11 52 13 13-0014 EA 60" x 80" Pull Down Projection Screen (Da-Lite B)..... <i>For High Contrast Matte, Add</i> <i>For Video Spectra Fabric, Add</i> <i>For High Power Fabric, Add</i>	431.24 40.00 40.00 120.00	131.12
11 52 13 13-0015 EA 69" x 92" Pull Down Projection Screen (Da-Lite B)..... <i>For High Contrast Matte, Add</i> <i>For Video Spectra Fabric, Add</i> <i>For High Power Fabric, Add</i>	505.49 40.00 40.00 120.00	158.25
11 52 13 13-0016 EA 45" x 80" Pull Down Projection Screen (Da-Lite B)..... <i>For High Contrast Matte, Add</i> <i>For Video Spectra Fabric, Add</i> <i>For High Power Fabric, Add</i>	395.07 40.00 40.00 120.00	113.04
11 52 13 13-0017 EA 52" x 92" Pull Down Projection Screen (Da-Lite B)..... <i>For High Contrast Matte, Add</i> <i>For Video Spectra Fabric, Add</i> <i>For High Power Fabric, Add</i>	451.24 40.00 40.00 120.00	131.12
11 52 13 13-0018 Heavy Duty Pull Down Project Screen, Matte White Or Glass Beaded (Da-Lite Model C) <small>(11 52 13 13-0001)</small>		
11 52 13 13-0019 EA 50" x 50" Pull Down Projection Screen (Da-Lite C)..... <i>For High Contrast Matte, Add</i> <i>For Video Spectra Fabric, Add</i> <i>For High Power Fabric, Add</i>	377.25 40.00 40.00 120.00	81.39
11 52 13 13-0020 EA 60" x 60" Pull Down Projection Screen (Da-Lite C)..... <i>For High Contrast Matte, Add</i> <i>For Video Spectra Fabric, Add</i> <i>For High Power Fabric, Add</i>	465.07 40.00 40.00 120.00	113.04
11 52 13 13-0021 EA 70" x 70" Pull Down Projection Screen (Da-Lite C)..... <i>For High Contrast Matte, Add</i> <i>For Video Spectra Fabric, Add</i> <i>For High Power Fabric, Add</i>	566.45 40.00 40.00 120.00	153.72
11 52 13 13-0022 EA 84" x 84" Pull Down Projection Screen (Da-Lite C)..... <i>For High Contrast Matte, Add</i> <i>For Video Spectra Fabric, Add</i> <i>For High Power Fabric, Add</i>	685.93 40.00 40.00 120.00	203.46
11 52 13 13-0023 EA 6' x 8' Pull Down Projection Screen (Da-Lite C)..... <i>For High Contrast Matte, Add</i> <i>For Video Spectra Fabric, Add</i> <i>For High Power Fabric, Add</i>	734.97 40.00 40.00 120.00	207.98

11	11 Equipment
	11 50 Educational And Scientific Equipment
	11 52 Audio-Visual Equipment



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 52 13 13-0024 EA 8' x 8' Pull Down Projection Screen (Da-Lite C).....	791.14	226.07
For High Contrast Matte, Add	40.00	
For Video Spectra Fabric, Add	40.00	
For High Power Fabric, Add	120.00	
11 52 13 13-0025 EA 7' x 9' Pull Down Projection Screen (Da-Lite C).....	801.14	226.07
For High Contrast Matte, Add	40.00	
For Video Spectra Fabric, Add	40.00	
For High Power Fabric, Add	120.00	
11 52 13 13-0026 EA 9' x 9' Pull Down Projection Screen (Da-Lite C).....	858.26	239.63
For High Contrast Matte, Add	40.00	
For Video Spectra Fabric, Add	40.00	
For High Power Fabric, Add	120.00	
11 52 13 13-0027 EA 8' x 10' Pull Down Projection Screen (Da-Lite C).....	915.39	253.20
For High Contrast Matte, Add	40.00	
For Video Spectra Fabric, Add	40.00	
For High Power Fabric, Add	120.00	
11 52 13 13-0028 EA 10' x 10' Pull Down Projection Screen (Da-Lite C).....	981.56	271.29
For High Contrast Matte, Add	40.00	
For Video Spectra Fabric, Add	40.00	
For High Power Fabric, Add	120.00	
11 52 13 13-0029 EA 9' x 12' Pull Down Projection Screen (Da-Lite C).....	1,061.56	271.29
For High Contrast Matte, Add	40.00	
For Video Spectra Fabric, Add	40.00	
For High Power Fabric, Add	120.00	
11 52 13 13-0030 EA 12' x 12' Pull Down Projection Screen (Da-Lite C).....	1,282.42	361.71
For High Contrast Matte, Add	40.00	
For Video Spectra Fabric, Add	40.00	
For High Power Fabric, Add	120.00	
11 52 13 13-0031 Heavy Duty Pull Down Project Screen, Matte White Or Glass Beaded (Da-Lite Model C With CSR) (11 52 13 13-0001)		
Note: With controlled screen return.		
11 52 13 13-0032 EA 60" x 60" Pull Down Projection Screen With CSR (Controlled Screen Return) (Da-Lite C With CSR).....	665.07	113.04
For High Contrast Matte, Add	40.00	
For Video Spectra Fabric, Add	40.00	
For High Power Fabric, Add	120.00	
11 52 13 13-0033 EA 70" x 70" Pull Down Projection Screen With CSR (Controlled Screen Return) (Da-Lite C With CSR).....	776.45	153.72
For High Contrast Matte, Add	40.00	
For Video Spectra Fabric, Add	40.00	
For High Power Fabric, Add	120.00	
11 52 13 13-0034 EA 84" x 84" Pull Down Projection Screen With CSR (Controlled Screen Return) (Da-Lite C With CSR).....	895.93	203.46
For High Contrast Matte, Add	40.00	
For Video Spectra Fabric, Add	40.00	
For High Power Fabric, Add	120.00	
11 52 13 13-0035 EA 6' x 8' Pull Down Projection Screen With CSR (Controlled Screen Return) (Da-Lite C With CSR).....	934.97	207.98
For High Contrast Matte, Add	40.00	
For Video Spectra Fabric, Add	40.00	
For High Power Fabric, Add	120.00	
11 52 13 13-0036 EA 8' x 8' Pull Down Projection Screen With CSR (Controlled Screen Return) (Da-Lite C With CSR).....	1,001.14	226.07
For High Contrast Matte, Add	40.00	
For Video Spectra Fabric, Add	40.00	
For High Power Fabric, Add	120.00	
11 52 13 13-0037 EA 7' x 9' Pull Down Projection Screen With CSR (Controlled Screen Return) (Da-Lite C With CSR).....	1,011.14	226.07
For High Contrast Matte, Add	40.00	
For Video Spectra Fabric, Add	40.00	
For High Power Fabric, Add	120.00	
11 52 13 13-0038 EA 9' x 9' Pull Down Projection Screen With CSR (Controlled Screen Return) (Da-Lite C With CSR).....	1,068.26	239.63
For High Contrast Matte, Add	40.00	
For Video Spectra Fabric, Add	40.00	
For High Power Fabric, Add	120.00	
11 52 13 13-0039 EA 8' x 10' Pull Down Projection Screen With CSR (Controlled Screen Return) (Da-Lite C With CSR).....	1,096.35	248.67
For High Contrast Matte, Add	40.00	
For Video Spectra Fabric, Add	40.00	
For High Power Fabric, Add	120.00	
11 52 13 13-0040 EA 10' x 10' Pull Down Projection Screen With CSR (Controlled Screen Return) (Da-Lite C With CSR).....	1,221.56	271.29
For High Contrast Matte, Add	40.00	
For Video Spectra Fabric, Add	40.00	
For High Power Fabric, Add	120.00	
11 52 13 13-0041 EA 9' x 12' Pull Down Projection Screen With CSR (Controlled Screen Return) (Da-Lite C With CSR).....	1,311.56	271.29
For High Contrast Matte, Add	40.00	
For Video Spectra Fabric, Add	40.00	
For High Power Fabric, Add	120.00	
11 52 13 13-0042 EA 12' x 12' Pull Down Projection Screen With CSR (Controlled Screen Return) (Da-Lite C With CSR).....	1,552.42	361.71
For High Contrast Matte, Add	40.00	
For Video Spectra Fabric, Add	40.00	
For High Power Fabric, Add	120.00	
11 52 13 13-0043 Electric Project Screen, Matte White Or Glass Beaded (Da-Lite Cosmopolitan Electrol) (11 52 13 13-0001)		
Note: Heavy-duty screen for exposed installation.		
11 52 13 13-0044 EA 50" x 50" Electric Projection Screen, Wall Or Ceiling Mounted (Da-Lite Cosmopolitan Electrol).....	1,325.88	101.73
11 52 13 13-0045 EA 60" x 60" Electric Projection Screen, Wall Or Ceiling Mounted (Da-Lite Cosmopolitan Electrol).....	1,361.88	113.04
11 52 13 13-0046 EA 70" x 70" Electric Projection Screen, Wall Or Ceiling Mounted (Da-Lite Cosmopolitan Electrol).....	1,432.55	135.64



Equipment	11
Educational And Scientific Equipment	11 50
Audio-Visual Equipment	11 52

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 52 13 13-0047 EA 84" x 84" Electric Projection Screen, Wall Or Ceiling Mounted (Da-Lite Cosmopolitan Electrol)	1,683.38	203.46
11 52 13 13-0048 EA 6' x 8' Electric Projection Screen, Wall Or Ceiling Mounted (Da-Lite Cosmopolitan Electrol)	1,724.56	207.98
11 52 13 13-0049 EA 8' x 8' Electric Projection Screen, Wall Or Ceiling Mounted (Da-Lite Cosmopolitan Electrol)	1,834.40	226.07
11 52 13 13-0050 EA 7' x 9' Electric Projection Screen, Wall Or Ceiling Mounted (Da-Lite Cosmopolitan Electrol)	1,867.89	226.07
11 52 13 13-0051 EA 9' x 9' Electric Projection Screen, Wall Or Ceiling Mounted (Da-Lite Cosmopolitan Electrol)	1,963.83	241.89
11 52 13 13-0052 EA 8' x 10' Electric Projection Screen, Wall Or Ceiling Mounted (Da-Lite Cosmopolitan Electrol)	2,076.17	253.20
11 52 13 13-0053 EA 10' x 10' Electric Projection Screen, Wall Or Ceiling Mounted (Da-Lite Cosmopolitan Electrol)	2,156.54	271.29
11 52 13 13-0054 EA 9' x 12' Electric Projection Screen, Wall Or Ceiling Mounted (Da-Lite Cosmopolitan Electrol)	2,216.81	271.29
11 52 13 13-0055 EA 12' x 12' Electric Projection Screen, Wall Or Ceiling Mounted (Da-Lite Cosmopolitan Electrol)	2,502.14	361.71
11 52 13 13-0056 Electric Project Screen, Matte White Or Glass Beaded (Da-Lite Professional Electrol) ^(11 52 13 13-0001)		
Note: Heavy-duty screen for exposed or recessed installation without doors.		
11 52 13 13-0057 EA 9' x 12' Electric Projection Screen, Ceiling Mounted (Da-Lite Professional Electrol)	2,241.56	271.29
Note: Heavy-duty screen for exposed or recessed installation without doors.		
11 52 13 13-0058 EA 12' x 12' Electric Projection Screen, Ceiling Mounted (Da-Lite Professional Electrol)	2,502.42	361.71
Note: Heavy-duty screen for exposed or recessed installation without doors.		
11 52 13 13-0059 EA 14' x 14' Electric Projection Screen, Ceiling Mounted (Da-Lite Professional Electrol)	3,052.85	406.93
Note: Heavy-duty screen for exposed or recessed installation without doors.		
11 52 13 13-0060 EA 12' x 16' Electric Projection Screen, Ceiling Mounted (Da-Lite Professional Electrol)	3,243.27	452.14
Note: Heavy-duty screen for exposed or recessed installation without doors.		
11 52 13 13-0061 EA 16' x 16' Electric Projection Screen, Ceiling Mounted (Da-Lite Professional Electrol)	3,524.13	542.56
Note: Heavy-duty screen for exposed or recessed installation without doors.		
11 52 13 13-0062 EA 13.5' x 18' Electric Projection Screen, Ceiling Mounted (Da-Lite Professional Electrol)	3,914.56	587.78
Note: Heavy-duty screen for exposed or recessed installation without doors.		
11 52 13 13-0063 EA 18' x 18' Electric Projection Screen, Ceiling Mounted (Da-Lite Professional Electrol)	4,274.99	633.00
Note: Heavy-duty screen for exposed or recessed installation without doors.		
11 52 13 13-0064 EA 15' x 20' Electric Projection Screen, Ceiling Mounted (Da-Lite Professional Electrol)	4,474.99	633.00
Note: Heavy-duty screen for exposed or recessed installation without doors.		
11 52 13 13-0065 EA 20' x 20' Electric Projection Screen, Ceiling Mounted (Da-Lite Professional Electrol)	4,865.84	723.42
Note: Heavy-duty screen for exposed or recessed installation without doors.		
11 52 13 13-0066 EA 11' x 22' Electric Projection Screen, Ceiling Mounted (Da-Lite Professional Electrol)	4,414.56	587.78
Note: Heavy-duty screen for exposed or recessed installation without doors.		
11 52 13 13-0067 EA 16.5' x 22' Electric Projection Screen, Ceiling Mounted (Da-Lite Professional Electrol)	4,785.84	723.42
Note: Heavy-duty screen for exposed or recessed installation without doors.		
11 52 13 13-0068 EA 22' x 22' Electric Projection Screen, Ceiling Mounted (Da-Lite Professional Electrol)	5,066.69	813.85
Note: Heavy-duty screen for exposed or recessed installation without doors.		
11 52 13 13-0069 EA 12' x 24' Electric Projection Screen, Ceiling Mounted (Da-Lite Professional Electrol)	4,704.99	633.00
Note: Heavy-duty screen for exposed or recessed installation without doors.		
11 52 13 13-0070 EA 18' x 24' Electric Projection Screen, Ceiling Mounted (Da-Lite Professional Electrol)	6,066.69	813.85
Note: Heavy-duty screen for exposed or recessed installation without doors.		
11 52 13 13-0071 Electric Project Screen, Matte White Or Glass Beaded (Da-Lite Executive Electrol) ^(11 52 13 13-0001)		
Note: In-the-ceiling screen with automatically operated door to conceal screen.		
11 52 13 13-0072 EA 50" x 50" Electric Projection Screen, Ceiling Mounted (Da-Lite Executive Electrol)	1,902.46	101.73
Note: In-the-ceiling screen with automatically operated door to conceal screen.		
11 52 13 13-0073 EA 60" x 60" Electric Projection Screen, Ceiling Mounted (Da-Lite Executive Electrol)	1,955.07	113.04
Note: In-the-ceiling screen with automatically operated door to conceal screen.		
11 52 13 13-0074 EA 70" x 70" Electric Projection Screen, Ceiling Mounted (Da-Lite Executive Electrol)	2,020.29	135.64
Note: In-the-ceiling screen with automatically operated door to conceal screen.		
11 52 13 13-0075 EA 84" x 84" Electric Projection Screen, Ceiling Mounted (Da-Lite Executive Electrol)	2,225.93	203.46
Note: In-the-ceiling screen with automatically operated door to conceal screen.		
11 52 13 13-0076 EA 6' x 8' Electric Projection Screen, Ceiling Mounted (Da-Lite Executive Electrol)	2,254.97	207.98
Note: In-the-ceiling screen with automatically operated door to conceal screen.		
11 52 13 13-0077 EA 8' x 8' Electric Projection Screen, Ceiling Mounted (Da-Lite Executive Electrol)	2,351.14	226.07
Note: In-the-ceiling screen with automatically operated door to conceal screen.		
11 52 13 13-0078 EA 7' x 9' Electric Projection Screen, Ceiling Mounted (Da-Lite Executive Electrol)	2,411.14	226.07
Note: In-the-ceiling screen with automatically operated door to conceal screen.		
11 52 13 13-0079 EA 9' x 9' Electric Projection Screen, Ceiling Mounted (Da-Lite Executive Electrol)	2,472.79	241.89
Note: In-the-ceiling screen with automatically operated door to conceal screen.		
11 52 13 13-0080 EA 8' x 10' Electric Projection Screen, Ceiling Mounted (Da-Lite Executive Electrol)	2,545.39	253.20
Note: In-the-ceiling screen with automatically operated door to conceal screen.		
11 52 13 13-0081 EA 10' x 10' Electric Projection Screen, Ceiling Mounted (Da-Lite Executive Electrol)	2,621.56	271.29
Note: In-the-ceiling screen with automatically operated door to conceal screen.		
11 52 13 13-0082 EA 9' x 12' Electric Projection Screen, Ceiling Mounted (Da-Lite Executive Electrol)	2,641.56	271.29
Note: In-the-ceiling screen with automatically operated door to conceal screen.		
11 52 13 13-0083 EA 12' x 12' Electric Projection Screen, Ceiling Mounted (Da-Lite Executive Electrol)	2,922.42	361.71
Note: In-the-ceiling screen with automatically operated door to conceal screen.		
11 52 13 13-0084 EA 10.6' x 14' Electric Projection Screen, Ceiling Mounted (Da-Lite Executive Electrol)	3,127.63	384.31
Note: In-the-ceiling screen with automatically operated door to conceal screen.		
11 52 13 13-0085 EA 14' x 14' Electric Projection Screen, Ceiling Mounted (Da-Lite Executive Electrol)	3,272.85	406.93
Note: In-the-ceiling screen with automatically operated door to conceal screen.		
11 52 13 13-0086 EA 12' x 16' Electric Projection Screen, Ceiling Mounted (Da-Lite Executive Electrol)	3,583.27	452.14
Note: In-the-ceiling screen with automatically operated door to conceal screen.		
11 52 13 13-0087 EA 16' x 16' Electric Projection Screen, Ceiling Mounted (Da-Lite Executive Electrol)	3,814.13	542.56
Note: In-the-ceiling screen with automatically operated door to conceal screen.		

11	11 Equipment
	11 50 Educational And Scientific Equipment
	11 52 Audio-Visual Equipment



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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11 52 13 13-0088	Electric Project Screen, Matte White Or Glass Beaded (Da-Lite Senior Electrol) <small>(11 52 13 13-0001)</small> Note: In-the-ceiling screen with automatically operated door to conceal screen.		
11 52 13 13-0089	EA 50" x 50" Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy duty screen for recessed or exposed installation.	1,598.46	101.73
11 52 13 13-0090	EA 60" x 60" Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy duty screen for recessed or exposed installation.	1,657.67	124.34
11 52 13 13-0091	EA 70" x 70" Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy duty screen for recessed or exposed installation.	1,689.29	135.64
11 52 13 13-0092	EA 84" x 84" Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy duty screen for recessed or exposed installation.	1,853.93	203.46
11 52 13 13-0093	EA 6' x 8' Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy duty screen for recessed or exposed installation.	1,871.97	207.98
11 52 13 13-0094	EA 8' x 8' Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy duty screen for recessed or exposed installation.	1,946.14	226.07
11 52 13 13-0095	EA 7' x 9' Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy duty screen for recessed or exposed installation.	1,999.14	226.07
11 52 13 13-0096	EA 9' x 9' Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy duty screen for recessed or exposed installation.	2,101.79	241.89
11 52 13 13-0097	EA 8' x 10' Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy duty screen for recessed or exposed installation.	2,138.39	253.20
11 52 13 13-0098	EA 10' x 10' Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy duty screen for recessed or exposed installation.	2,217.56	271.29
11 52 13 13-0099	EA 9' x 12' Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy duty screen for recessed or exposed installation.	2,268.00	316.49
11 52 13 13-0100	EA 12' x 12' Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy duty screen for recessed or exposed installation.	2,498.42	361.71
11 52 13 13-0101	EA 10'-6" x 14' Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy duty screen for recessed or exposed installation.	3,041.63	384.31
11 52 13 13-0102	EA 14' x 14' Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy duty screen for recessed or exposed installation.	3,181.85	406.93
11 52 13 13-0103	EA 12' x 16' Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy duty screen for recessed or exposed installation.	3,457.27	452.14
11 52 13 13-0104	EA 16' x 16' Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy duty screen for recessed or exposed installation.	3,680.13	542.56
11 52 13 13-0105	EA 13'-6" x 18' Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy duty screen for recessed or exposed installation.	4,005.56	587.78
11 52 13 13-0106	EA 18' x 18' Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy duty screen for recessed or exposed installation.	4,262.98	633.00
11 52 13 13-0107	EA 15' x 20' Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy duty screen for recessed or exposed installation.	4,408.98	633.00
11 52 13 13-0108	EA 20' x 20' Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy duty screen for recessed or exposed installation.	4,901.84	723.42
11 52 13 13-0109	EA 50" x 67" Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy duty screen for recessed or exposed installation.	1,689.29	135.64
11 52 13 13-0110	EA 60" x 80" Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy duty screen for recessed or exposed installation.	1,808.71	180.85
11 52 13 13-0111	EA 69" x 92" Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy duty screen for recessed or exposed installation.	1,862.93	203.46
11 52 13 13-0112	EA 87" x 116" Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy duty screen for recessed or exposed installation.	2,148.39	253.20
11 52 13 13-0113	EA 105" x 140" Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy duty screen for recessed or exposed installation.	2,351.00	316.49
11 52 13 13-0114	EA 123" x 164" Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy duty screen for recessed or exposed installation.	2,930.85	406.93
11 52 13 13-0115	EA 141" x 188" Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy duty screen for recessed or exposed installation.	3,187.71	497.35
11 52 13 13-0116	EA 12' x 24' Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy duty screen for recessed or exposed installation.	5,383.41	678.20
11 52 13 13-0117	EA 45" x 80" Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy duty screen for recessed or exposed installation.	1,813.71	180.85
11 52 13 13-0118	EA 52" x 92" Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy duty screen for recessed or exposed installation.	1,877.93	203.46
11 52 13 13-0119	EA 54" x 96" Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy duty screen for recessed or exposed installation.	1,934.06	217.03
11 52 13 13-0120	EA 58" x 104" Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy duty screen for recessed or exposed installation.	1,979.23	235.11
11 52 13 13-0121	EA 65" x 116" Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy duty screen for recessed or exposed installation.	2,100.39	253.20
11 52 13 13-0122	EA 78" x 139" Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy duty screen for recessed or exposed installation.	2,313.00	316.49
11 52 13 13-0123	EA 92" x 164" Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy duty screen for recessed or exposed installation.	2,903.85	406.93
11 52 13 13-0124	EA 106" x 188" Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy duty screen for recessed or exposed installation.	3,386.71	497.35
11 52 13 13-0125	EA 119" x 212" Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy duty screen for recessed or exposed installation.	4,092.56	587.78

11 52 13 13-0126 Electric Project Screen, Matte White Or Glass Beaded (Da-Lite Boardroom Electrol) (11 52 13 13-0001)
Note: In-the-ceiling screen with automatically operated door to conceal screen.



Equipment	11
Educational And Scientific Equipment	11 50
Audio-Visual Equipment	11 52

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 52 13 13-0127 EA 50" x 50" Electric Projection Screen, Ceiling Mounted (Da-Lite Boardroom Electrol) Note: In-the-ceiling screen with automatically operated door to conceal screen.	2,538.03	101.73
11 52 13 13-0128 EA 60" x 60" Electric Projection Screen, Ceiling Mounted (Da-Lite Boardroom Electrol) Note: In-the-ceiling screen with automatically operated door to conceal screen.	2,592.79	113.04
11 52 13 13-0129 EA 70" x 70" Electric Projection Screen, Ceiling Mounted (Da-Lite Boardroom Electrol) Note: In-the-ceiling screen with automatically operated door to conceal screen.	2,662.12	135.64
11 52 13 13-0130 EA 84" x 84" Electric Projection Screen, Ceiling Mounted (Da-Lite Boardroom Electrol) Note: In-the-ceiling screen with automatically operated door to conceal screen.	2,880.80	203.46
11 52 13 13-0131 EA 6' x 8' Electric Projection Screen, Ceiling Mounted (Da-Lite Boardroom Electrol) Note: In-the-ceiling screen with automatically operated door to conceal screen.	2,916.63	207.98
11 52 13 13-0132 EA 8' x 8' Electric Projection Screen, Ceiling Mounted (Da-Lite Boardroom Electrol) Note: In-the-ceiling screen with automatically operated door to conceal screen.	3,010.39	226.07
11 52 13 13-0133 EA 7' x 9' Electric Projection Screen, Ceiling Mounted (Da-Lite Boardroom Electrol) Note: In-the-ceiling screen with automatically operated door to conceal screen.	3,100.13	226.07
11 52 13 13-0134 EA 9' x 9' Electric Projection Screen, Ceiling Mounted (Da-Lite Boardroom Electrol) Note: In-the-ceiling screen with automatically operated door to conceal screen.	3,189.38	241.89
11 52 13 13-0135 EA 8' x 10' Electric Projection Screen, Ceiling Mounted (Da-Lite Boardroom Electrol) Note: In-the-ceiling screen with automatically operated door to conceal screen.	3,254.84	253.20
11 52 13 13-0136 EA 10' x 10' Electric Projection Screen, Ceiling Mounted (Da-Lite Boardroom Electrol) Note: In-the-ceiling screen with automatically operated door to conceal screen.	3,359.32	271.29
11 52 13 13-0137 EA 9' x 12' Electric Projection Screen, Ceiling Mounted (Da-Lite Boardroom Electrol) Note: In-the-ceiling screen with automatically operated door to conceal screen.	3,451.74	271.29
11 52 13 13-0138 EA 12' x 12' Electric Projection Screen, Ceiling Mounted (Da-Lite Boardroom Electrol) Note: In-the-ceiling screen with automatically operated door to conceal screen.	3,710.28	361.71
11 52 13 13-0139 Electric Ascending Project Screen, Matte White, Glass Beaded (Da-Lite Ascender Electrol) (11 52 13 13-0001) Note: High contrast matte white, video spectrum or high power. Includes a motorized spring assisted scissors mechanism which raises the screen surface from the housing ensuring smooth operation. A trap door housing keeps the screen and lift mechanism hidden until the screen is activated.		
11 52 13 13-0140 EA 60" x 80" Electric Ascending Projection Screen (Da-Lite Ascender Electrol) Note: Includes a motorized spring assisted scissors mechanism and trap door housing.	4,831.14	226.07
11 52 13 13-0141 EA 69" x 92" Electric Ascending Projection Screen (Da-Lite Ascender Electrol) Note: Includes a motorized spring assisted scissors mechanism and trap door housing.	5,201.56	271.29
11 52 13 13-0142 EA 87" x 116" Electric Ascending Projection Screen (Da-Lite Ascender Electrol) Note: Includes a motorized spring assisted scissors mechanism and trap door housing.	6,152.85	406.93
11 52 13 13-0143 EA 105" x 140" Electric Ascending Projection Screen (Da-Lite Ascender Electrol) Note: Includes a motorized spring assisted scissors mechanism and trap door housing.	7,784.13	542.56
11 52 13 13-0144 EA 120" x 160" Electric Ascending Projection Screen (Da-Lite Ascender Electrol) Note: Includes a motorized spring assisted scissors mechanism and trap door housing.	8,664.99	633.00
11 52 13 13-0145 EA 52" x 92" Electric Ascending Projection Screen (Da-Lite Ascender Electrol) Note: Includes a motorized spring assisted scissors mechanism and trap door housing.	5,111.14	226.07
11 52 13 13-0146 EA 58" x 104" Electric Ascending Projection Screen (Da-Lite Ascender Electrol) Note: Includes a motorized spring assisted scissors mechanism and trap door housing.	5,611.56	271.29
11 52 13 13-0147 EA 65" x 116" Electric Ascending Projection Screen (Da-Lite Ascender Electrol) Note: Includes a motorized spring assisted scissors mechanism and trap door housing.	5,972.00	316.49
11 52 13 13-0148 EA 78" x 139" Electric Ascending Projection Screen (Da-Lite Ascender Electrol) Note: Includes a motorized spring assisted scissors mechanism and trap door housing.	7,512.85	406.93
11 52 13 13-0149 Electric Rear Projection Screen (Da-Lite DA-View) (11 52 13 13-0001) Note: Consists of a single acrylic layer with rear Fensel lens and lenticulated front profile. Un-framed.		
11 52 13 13-0150 EA 60" Diagonal Video Format Rigid Rear Projection Screen (Da-Lite DA-View) Note: Includes a motorized spring assisted scissors mechanism and trap door housing.	2,502.28	226.07
11 52 13 13-0151 EA 67" Diagonal Video Format Rigid Rear Projection Screen (Da-Lite DA-View) Note: Includes a motorized spring assisted scissors mechanism and trap door housing.	3,117.29	248.67
11 52 13 13-0152 EA 72" Diagonal Video Format Rigid Rear Projection Screen (Da-Lite DA-View) Note: Includes a motorized spring assisted scissors mechanism and trap door housing.	3,561.36	271.29
11 52 13 13-0153 EA 84" Diagonal Video Format Rigid Rear Projection Screen (Da-Lite DA-View) Note: Includes a motorized spring assisted scissors mechanism and trap door housing.	6,284.64	293.89
11 52 13 13-0154 EA 90" Diagonal Video Format Rigid Rear Projection Screen (Da-Lite DA-View) Note: Includes a motorized spring assisted scissors mechanism and trap door housing.	6,956.64	6,640.13
11 52 13 13-0155 EA 96" Diagonal Video Format Rigid Rear Projection Screen (Da-Lite DA-View) Note: Includes a motorized spring assisted scissors mechanism and trap door housing.	7,730.82	361.71
11 52 13 13-0156 EA 100" Diagonal Video Format Rigid Rear Projection Screen (Da-Lite DA-View) Note: Includes a motorized spring assisted scissors mechanism and trap door housing.	9,872.53	406.93
11 52 13 13-0157 EA 120" Diagonal Video Format Rigid Rear Projection Screen (Da-Lite DA-View) Note: Includes a motorized spring assisted scissors mechanism and trap door housing.	13,267.79	452.14
11 52 13 13-0158 EA 125" Diagonal Video Format Rigid Rear Projection Screen (Da-Lite DA-View) Note: Includes a motorized spring assisted scissors mechanism and trap door housing.	14,839.71	497.35
11 52 13 13-0159 EA 135" Diagonal Video Format Rigid Rear Projection Screen (Da-Lite DA-View) Note: Includes a motorized spring assisted scissors mechanism and trap door housing.	19,773.43	542.56
11 52 13 13-0160 Screen Accessories (11 52 13 13-0001)		
11 52 13 13-0161 Manual Pull Down Accessories (11 52 13 13-0160)		
11 52 13 13-0162 EA 6" Mounting Bracket (Pair)	31.56	6.78
11 52 13 13-0163 EA 14" Wall Mounting Bracket (Pair)	41.56	7.23
11 52 13 13-0164 EA 14-1/2" To 24" Adjustable Wall Mounting Bracket (Pair)	47.56	8.14

11	11	Equipment
	11 50	Educational And Scientific Equipment
	11 52	Audio-Visual Equipment



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 52 13 13-0165 Electric Powered Screen Accessories <small>(11 52 13 13-0160)</small>		
11 52 13 13-0166 EA Single Motor Low Voltage Remote Control System - Infrared.....	261.59	
11 52 13 13-0167 EA Single Motor Low Voltage Remote Control System - Radio Frequency.....	371.59	
11 52 13 13-0168 Relocate Existing Fixed Projection Screen <small>(11 52 13 13)</small>		
11 52 13 13-0169 EA Relocate Electric Controlled Projection Screen, Including Storage And Cleaning	1,329.82	
11 52 13 16 Portable Projection Screens <small>(11 52 13)</small>		
11 52 13 16-0001 Motion Picture Screen And Case <small>(11 52 13 16)</small>		
11 52 13 16-0002 SF Screen, Riser Projection With Anodized Aluminum Frame	19.15	3.26
11 52 16 Projectors <small>(11 52)</small>		
11 52 16 26 Video Projectors <small>(11 52 16)</small>		
11 52 16 26-0001 Projectors <small>(11 52 16 26)</small>		
11 52 16 26-0002 EA 2,000 Lumens Output, 800 x 600 Pixels, SVGA Compact 3LCD Panels Projector.....	711.02	45.22
11 52 16 26-0003 EA 2,000 Lumens Output, 1024 x 768 Pixels, XGA Compact 3LCD Panels Projector	819.63	45.22
11 52 16 26-0004 EA 2,000 Lumens Output, 1280 x 800 Pixels, WXGA Compact 3LCD Panels Projector.....	1,075.62	45.22
11 52 16 26-0005 EA 3,000 Lumens Output, 1024 x 768 Pixels, XGA 3LCD Panels Projector	1,680.70	45.22
11 52 16 26-0006 EA 3,500 Lumens Output, 1024 x 768 Pixels, XGA 3LCD Panels Projector	1,952.21	45.22
11 52 16 26-0007 EA 3,000 Lumens Output, 1366 x 800 Pixels, WXGA 3LCD Panels Projector	2,471.95	45.22
11 52 16 26-0008 EA 4,000 Lumens Output, 1024 x 768 Pixels, XGA 3LCD Panels Projector	3,914.83	45.22
11 52 16 26-0009 EA 5,200 Lumens Output, 1024 x 768 Pixels, XGA 3LCD Panels Projector	5,295.65	45.22
11 52 16 26-0010 EA 6,000 Lumens Output, 1024 x 768 Pixels, XGA 3LCD Panels Projector	7,847.83	45.22
11 52 16 26-0011 Projector Mounts <small>(11 52 16 26)</small>		
11 52 16 26-0012 Universal Projector Mounts <small>(11 52 16 26-0011)</small>		
Note: Includes ceiling or wall mounting hardware and hardware for attaching projector. Excludes projector.		
11 52 16 26-0013 EA Flush Ceiling, Universal Projector Mount (Peerless PPF).....	179.87	49.72
11 52 16 26-0014 EA Wall Arm, Universal Projector Mount (Peerless PWA-14).....	276.18	49.72
11 52 16 26-0015 Projector Mount Components <small>(11 52 16 26-0011)</small>		
Note: Complete projector mount system will include ceiling attachment plate, threaded extension column and projector attachment plate. Excludes projector.		
11 52 16 26-0016 Ceiling Attachment Plates For Projector Mounts <small>(11 52 16 26-0015)</small>		
11 52 16 26-0017 EA Finished Ceiling, Attachment Plate For Projector Mounts (Peerless ACC 570).....	68.10	22.59
11 52 16 26-0018 EA Truss Ceiling, Attachment Plate For Projector Mounts (Peerless ACC 557).....	87.87	22.59
11 52 16 26-0019 EA I-Beam Ceiling, Attachment Plate For Projector Mounts (Peerless ACC 558/559).....	117.12	22.59
11 52 16 26-0020 EA Suspended Ceiling, Attachment Plate For Projector Mounts (Peerless CMJ 455).....	147.39	22.59
11 52 16 26-0021 Projector Attachment Plates For Projector Mounts <small>(11 52 16 26-0015)</small>		
11 52 16 26-0022 EA Universal Projector Attachment Plate For Projector Mounts (Peerless PRG-UNV)	203.66	22.59
11 52 16 26-0023 EA High Security Projector Enclosure For Projector Mounts (Peerless ALB).....	434.07	22.59
11 52 16 26-0024 Threaded Extension Columns For Projector Mounts <small>(11 52 16 26-0015)</small>		
11 52 16 26-0025 Fixed Length, Threaded Extension Column For Projector Mounts <small>(11 52 16 26-0024)</small>		
Note: Peerless EXT series.		
11 52 16 26-0026 EA 6" Fixed Length, Threaded Extension Column For Projector Mounts	36.72	6.78
11 52 16 26-0027 EA 12" Fixed Length, Threaded Extension Column For Projector Mounts	46.47	6.78
11 52 16 26-0028 EA 18" Fixed Length, Threaded Extension Column For Projector Mounts	50.13	6.78
11 52 16 26-0029 EA 24" Fixed Length, Threaded Extension Column For Projector Mounts	52.57	6.78
11 52 16 26-0030 EA 36" Fixed Length, Threaded Extension Column For Projector Mounts	63.18	9.04
11 52 16 26-0031 EA 48" Fixed Length, Threaded Extension Column For Projector Mounts	75.37	9.04
11 52 16 26-0032 EA 60" Fixed Length, Threaded Extension Column For Projector Mounts	94.88	9.04
11 52 16 26-0033 EA 72" Fixed Length, Threaded Extension Column For Projector Mounts	108.29	9.04
11 52 16 26-0034 EA 84" Fixed Length, Threaded Extension Column For Projector Mounts	127.43	11.30
11 52 16 26-0035 EA 96" Fixed Length, Threaded Extension Column For Projector Mounts	144.49	11.30
11 52 16 26-0036 EA 108" Fixed Length, Threaded Extension Column For Projector Mounts	161.21	13.56
11 52 16 26-0037 EA 120" Fixed Length, Threaded Extension Column For Projector Mounts	168.53	13.56
11 52 16 26-0038 Adjustable Length, Threaded Extension Columns For Projector Mounts <small>(11 52 16 26-0024)</small>		
Note: Peerless ADJ series. Adjustable at 1" increments.		
11 52 16 26-0039 EA 6" To 9" Adjustable Length, Threaded Extension Column For Projector Mounts	73.79	11.30
11 52 16 26-0040 EA 12" To 18" Adjustable Length, Threaded Extension Column For Projector Mounts.....	110.36	11.30
11 52 16 26-0041 EA 18" To 24" Adjustable Length, Threaded Extension Column For Projector Mounts	112.80	11.30
11 52 16 26-0042 EA 24" To 36" Adjustable Length, Threaded Extension Column For Projector Mounts	116.45	11.30
11 52 16 26-0043 EA 36" To 60" Adjustable Length, Threaded Extension Column For Projector Mounts.....	127.08	13.56
11 52 16 26-0044 EA 48" To 72" Adjustable Length, Threaded Extension Column For Projector Mounts.....	133.17	13.56



Equipment	11	
Educational And Scientific Equipment	11 50	11
Audio-Visual Equipment	11 52	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 52 16 26-0045	EA		60" To 84" Adjustable Length, Threaded Extension Column For Projector Mounts.....	146.58	13.56
11 52 16 26-0046	EA		72" To 96" Adjustable Length, Threaded Extension Column For Projector Mounts.....	158.77	13.56
11 52 16 26-0047	EA		84" To 108" Adjustable Length, Threaded Extension Column For Projector Mounts.....	176.70	15.82
11 52 16 26-0048	EA		96" To 120" Adjustable Length, Threaded Extension Column For Projector Mounts.....	188.89	15.82
11 52 16 26-0049	EA		108" To 132" Adjustable Length, Threaded Extension Column For Projector Mounts.....	206.82	18.08
11 52 16 26-0050	EA		120" To 144" Adjustable Length, Threaded Extension Column For Projector Mounts.....	215.36	18.08
11 53 Laboratory Equipment (11 50)					
11 53 43 Service Fittings And Accessories (11 53)					
11 53 43 00-0001 Outlet And Valves (11 53 43)					
11 53 43 00-0002	EA		Medical Outlet Conversion Kit (Air, Oxygen, And Vacuum)	681.07	
11 53 43 00-0003 Test And Certify (11 53 43)					
11 53 43 00-0004	EA		Test And Certify Medical Gas Port.....	55.73	
11 60 Entertainment and Recreation Equipment (11)					
11 66 Athletic Equipment (11 60)					
11 66 13 Exercise Equipment (11 66)					
11 66 13 00-0001 Fitness Systems (11 66 13)					
11 66 13 00-0002 Components For Physical Fitness Activities (11 66 13 00-0001)					
11 66 13 00-0003	EA		Sit And Reach.....	789.39	90.62
11 66 13 00-0004	EA		Isometric Squat.....	296.32	36.25
11 66 13 00-0005	EA		Log Jump.....	1,848.35	145.00
11 66 13 00-0006	EA		Step Up.....	449.07	72.49
11 66 13 00-0007	EA		Hip Rotation.....	2,002.15	126.88
11 66 13 00-0008	EA		Body Curl.....	761.59	72.49
11 66 13 00-0009	EA		Horizontal Ladder.....	2,414.26	145.00
11 66 13 00-0010	EA		Chin Up.....	1,856.80	145.00
11 66 13 00-0011	EA		Push Up.....	1,120.56	72.49
11 66 13 00-0012	EA		Leg Raise.....	1,573.15	108.75
11 66 13 00-0013	EA		Log Hop.....	701.75	36.25
11 66 13 00-0014	EA		Parallel Bar.....	1,516.14	108.75
11 66 13 00-0015	EA		Leg Stretch.....	660.23	72.49
11 66 13 00-0016	EA		Balance Beam.....	583.86	54.37
11 66 13 00-0017	EA		Log Roll.....	1,777.62	90.62
11 68 Play Field Equipment And Structures (11 60)					
11 68 13 Playground Equipment (11 68)					
See CSI section 32 31 13 13-0001 for augering holes and fill for posts.					
11 68 13 00-0001 Standalone Playground Equipment (11 68 13)					
11 68 13 00-0002 Ground Socket For Movable Posts (11 68 13 00-0001)					
11 68 13 00-0003	PR		Ground Socket For 2-3/8" Post For Playground Equipment	192.18	48.93
11 68 13 00-0004	PR		Ground Socket For 3-1/2" Post For Playground Equipment	269.75	48.93
11 68 13 00-0005 See-Saws (11 68 13 00-0001)					
11 68 13 00-0006 Steel See-Saw (11 68 13 00-0005)					
11 68 13 00-0007	EA		2 Unit Steel See-Saw.....	1,511.68	301.13
11 68 13 00-0008	EA		4 Unit Steel See-Saw.....	2,321.07	355.86
11 68 13 00-0009	EA		6 Unit Steel See-Saw.....	3,161.74	434.95
11 68 13 00-0010 14' Long Laminated Beam (11 68 13 00-0005)					
11 68 13 00-0011	EA		Beam Is Supported By Two 12 In x 12 In Stepping Column Posts	1,487.48	266.27
11 68 13 00-0012	EA		Beam Is Supported By Two 8 In x 8 In Posts.....	1,068.27	237.19
11 68 13 00-0013 Slides (11 68 13 00-0001)					
11 68 13 00-0014	EA		8' Long x 4' High Slide With Stainless Steel Bed	1,817.71	344.34
11 68 13 00-0015	EA		12' Long x 6' High Slide With Stainless Steel Bed	2,564.59	489.32
11 68 13 00-0016	EA		16' Long x 8' High Slide With Stainless Steel Bed	2,841.99	543.69
11 68 13 00-0017	EA		20' Long x 10' High Slide With Stainless Steel Bed	3,492.29	602.26
11 68 13 00-0018	EA		6' High, 360 Degree One Piece Molded Polyethylene Slide	5,044.20	947.39
11 68 13 00-0019	EA		7' High, 360 Degree Slide, Stainless Steel Bed	9,871.41	977.33
11 68 13 00-0020	EA		9' High, 360 Degree Slide, Stainless Steel Bed	12,278.70	1,027.20

11	Equipment
11 60	Entertainment and Recreation Equipment
11 68	Play Field Equipment And Structures



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 68 13 00-0021 Whirlers <small>(11 68 13 00-0001)</small>		
11 68 13 00-0022 EA 8' Diameter Whirler	3,916.26	652.42
11 68 13 00-0023 EA 10' Diameter Whirler	4,572.39	782.91
11 68 13 00-0024 Other Standalone Playground Equipment <small>(11 68 13 00-0001)</small>		
11 68 13 00-0025 Miscellaneous Standalone Playground Equipment <small>(11 68 13 00-0024)</small>		
11 68 13 00-0026 EA Horizontal Ladder.....	1,191.71	174.36
11 68 13 00-0027 EA Tether Ball Post.....	210.73	34.07
11 68 13 00-0028 PR 10'-6" Long Multiple Purpose Post.....	329.64	60.24
11 68 13 00-0029 EA 3-Person Fiberglass Golf Tee Shelter Turntable.....	2,627.72	170.21
11 68 13 00-0030 EA Horizontal Turning Bars, 1 Bar.....	401.71	90.99
11 68 13 00-0031 EA Horizontal Turning Bars, 2 Bars.....	532.82	108.75
11 68 13 00-0032 EA Horizontal Turning Bars, 3 Bars.....	717.19	145.00
11 68 13 00-0033 EA Horizontal Turning Bars, 5 Bars.....	1,039.52	199.37
11 68 13 00-0034 EA Top Goal Opening With 4 Exit Holes (One Each Side) And 8' Pole.....	997.12	83.01
11 68 13 00-0035 EA Top Goal Opening With 4 Exit Holes (One Each Side) And 10' Pole.....	1,096.54	89.61
11 68 13 00-0036 EA Coil Spring With Single Riding Aluminum Saddle Devices	1,079.03	96.06
11 68 13 00-0037 EA "C" Spring With Single Riding Aluminum Saddle Devices	684.82	82.65
11 68 13 00-0038 EA Rubber Spring With Single Riding Aluminum Saddle Devices.....	851.56	108.24
11 68 13 00-0039 EA Coil Spring Assembly Only	285.75	39.80
11 68 13 00-0040 EA "C" Spring Assembly Only.....	189.94	26.53
11 68 13 00-0041 EA Rubber Spring Assembly Only.....	220.39	51.76
11 68 13 00-0042 EA Footbuck Assembly Only	49.41	6.96
11 68 13 00-0043 EA Replacement Animal Only	688.91	56.40
11 68 13 00-0044 EA Two Seat, Two Spring Action Cars (4'-8" x 2'-8").....	1,219.48	99.54
11 68 13 00-0045 Freestanding Panels <small>(11 68 13 00-0024)</small>		
Note: Rotomolded polyethylene.		
11 68 13 00-0046 EA Tic-Tac-Toe Panel	519.46	42.63
11 68 13 00-0047 EA 24" Bubble Panel	778.17	63.87
11 68 13 00-0048 EA Fire Engine Panel	1,141.99	93.74
11 68 13 00-0049 EA Flat Mirror Panel	913.61	75.03
11 68 13 00-0050 EA Wavy Mirror Panel	1,352.20	111.06
11 68 13 00-0051 EA Paint Time Panel.....	877.22	72.06
11 68 13 00-0052 EA Phone Time Panel	622.54	51.12
11 68 13 00-0053 EA Phone Time With Graphic Panel.....	622.54	51.12
11 68 13 00-0054 EA Race Time Panel	1,091.45	89.61
11 68 13 00-0055 EA Rescue 911 Panel.....	1,106.66	89.61
11 68 13 00-0056 EA Eastern/Central/Western States Panel	596.27	48.94
11 68 13 00-0057 EA Career People Panel.....	677.11	55.60
11 68 13 00-0058 EA Solar System Panel	677.11	55.60
11 68 13 00-0059 EA Animals Panel.....	677.11	55.60
11 68 13 00-0060 Freestanding Panels Uprights <small>(11 68 13 00-0024)</small>		
11 68 13 00-0061 EA 3-1/2" Outside Diameter End Panel Upright.....	169.42	23.93
11 68 13 00-0062 EA 3-1/2" Outside Diameter 90 Degree Upright	183.54	25.89
11 68 13 00-0063 EA 3-1/2" Outside Diameter 180 Degree Upright	183.54	25.89
11 68 13 00-0064 EA 3-1/2" Outside Diameter "T-Shaped" Upright.....	195.31	27.55
11 68 13 00-0065 Coasters <small>(11 68 13 00-0024)</small>		
11 68 13 00-0066 EA 12' Single Metal Coaster With Four Posts.....	3,987.44	289.99
11 68 13 00-0067 EA 18' Single Metal Coaster With Four Posts.....	4,488.45	362.49
11 68 13 00-0068 EA 12' Double Metal Coaster With Four Posts	6,423.73	434.99
11 68 13 00-0069 EA 18' Double Metal Coaster With Four Posts	7,343.27	543.74
11 68 13 00-0070 Climbers <small>(11 68 13 00-0024)</small>		
11 68 13 00-0071 EA Tower Climber, 3.17' Diameter x 7.25' High.....	839.66	193.71
11 68 13 00-0072 EA Arch Climber, 2' x 12' x 4.5' High	778.34	237.22
11 68 13 00-0073 EA Arch Climber, 2' x 15' x 5.83' High	832.54	193.71
11 68 13 00-0074 EA Arch Climber, 2' x 17' x 6.58' High	883.88	237.22
11 68 13 00-0075 EA Rainbow Climber, 2' x 10'-5" x 4' High	936.14	193.50
11 68 13 00-0076 EA Rainbow Climber, 2' x 10'-5" x 5' High	1,031.16	193.57
11 68 13 00-0077 EA Rainbow Climber, 2' x 12'-5" x 6' High	1,176.67	193.57
11 68 13 00-0078 EA Rainbow Climber, 2' x 15'-4" x 7' High	1,271.85	193.50
11 68 13 00-0079 EA Double Level Arch Climber, 6' Wide x 12'-6" x 6' High Upper Section / 5' High Lower Section.....	1,529.25	226.56
11 68 13 00-0080 EA 12' Long Horizontal Ladder Climber.....	1,233.38	169.12
11 68 13 00-0081 EA 14' Long Horizontal Ladder Climber.....	1,249.40	169.12
11 68 13 00-0082 EA 16' Long Horizontal Ladder Climber.....	1,355.44	169.12
11 68 13 00-0083 EA Bell Climber, 7'-5" High With Double Bars	1,319.88	217.49
11 68 13 00-0084 EA 2-Way Climber	1,116.18	174.36
11 68 13 00-0085 EA 4-Way Climber	1,691.82	174.36
11 68 13 00-0086 Swings <small>(11 68 13 00-0001)</small>		



Equipment	11
Entertainment and Recreation Equipment	11 60
Play Field Equipment And Structures	11 68

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 68 13 00-0087 Two-Leg-End Swings, 2-3/8" Diameter Galvanized Steel Top Rail <small>(11 68 13 00-0086)</small>		
Note: Legs, 1-7/8" diameter, traditional.		
11 68 13 00-0088 EA 8' High Top Rail, One Section Two Seats.....	1,102.32	266.27
For Extra Heavy Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add	125.10	
For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add	129.48	
11 68 13 00-0089 EA 8' High Top Rail, Two Sections Four Seats.....	1,741.30	381.02
For Extra Heavy Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add	198.63	
For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add	209.57	
11 68 13 00-0090 EA 8' High Top Rail, Three Sections, Six Seats.....	2,414.95	560.65
For Extra Heavy Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add	275.16	
For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add	289.08	
11 68 13 00-0091 EA 8' High Top Rail, Four Sections, Eight Seats.....	3,013.95	652.42
For Extra Heavy Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add	344.12	
For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add	364.30	
11 68 13 00-0092 EA 10' High Top Rail, One Section Two Seats.....	1,163.66	266.27
For Extra Heavy Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add	132.77	
For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add	140.21	
11 68 13 00-0093 EA 10' High Top Rail, Two Section Four Seats.....	1,833.80	405.80
For Extra Heavy Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add	208.38	
For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add	216.69	
11 68 13 00-0094 EA 10' High Top Rail, Three Sections, Six Seats.....	2,550.30	630.17
For Extra Heavy Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add	288.77	
For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add	296.21	
11 68 13 00-0095 EA 10' High Top Rail, Four Sections, Eight Seats.....	3,353.80	761.16
For Extra Heavy Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add	381.15	
For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add	396.55	
11 68 13 00-0096 Three-Leg-End Swings, 2-3/8" Diameter Galvanized Steel Top Rail <small>(11 68 13 00-0086)</small>		
Note: Legs, 1-7/8" diameter, traditional.		
11 68 13 00-0097 EA 8' High Top Rail, One Section, Two Seats.....	1,222.11	235.16
For Extra Heavy Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add	141.00	
For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add	155.07	
11 68 13 00-0098 EA 8' High Top Rail, Two Sections, Four Seats.....	1,773.69	341.22
For Extra Heavy Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add	204.65	
For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add	225.09	
11 68 13 00-0099 EA 8' High Top Rail, Three Sections, Six Seats.....	2,367.13	456.34
For Extra Heavy Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add	273.07	
For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add	300.17	
11 68 13 00-0100 EA 8' High Top Rail, Four Sections, Eight Seats.....	2,938.73	543.69
For Extra Heavy Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add	340.15	
For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add	378.34	
11 68 13 00-0101 EA 10' High Top Rail, One Section, Two Seats.....	1,378.04	265.03
For Extra Heavy Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add	159.00	
For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add	174.90	
11 68 13 00-0102 EA 10' High Top Rail, One Section Three Seats.....	1,432.80	281.05
For Extra Heavy Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add	165.71	
For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add	183.80	
11 68 13 00-0103 EA 10' High Top Rail, Two Sections, Four Seats.....	1,924.59	371.01
For Extra Heavy Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add	222.02	
For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add	244.04	
11 68 13 00-0104 EA 10' High Top Rail, Two Sections, Six Seats.....	2,287.27	427.70
For Extra Heavy Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add	265.53	
For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add	298.39	
11 68 13 00-0105 EA 10' High Top Rail, Three Section, Six Seats.....	2,561.65	493.59
For Extra Heavy Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add	295.53	
For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add	324.88	
11 68 13 00-0106 EA 10' High Top Rail, Three Sections, Nine Seats.....	3,138.92	543.90
For Extra Heavy Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add	365.18	
For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add	413.37	
11 68 13 00-0107 EA 10' High Top Rail, Four Section, Eight Seats.....	3,268.24	652.42
For Extra Heavy Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add	375.90	
For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add	408.80	
11 68 13 00-0108 EA 12' High Top Rail, One Section Three Seats.....	1,494.41	287.87
For Extra Heavy Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add	173.09	
For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add	192.95	
11 68 13 00-0109 EA 12' High Top Rail, Two Sections, Six Seats.....	2,427.48	463.15
For Extra Heavy Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add	281.37	
For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add	314.50	
11 68 13 00-0110 EA 12' High Top Rail, Three Sections, Nine Seats.....	3,595.37	741.81
For Extra Heavy Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add	413.18	
For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add	447.96	
11 68 13 00-0111 Swing Accessories <small>(11 68 13 00-0086)</small>		
11 68 13 00-0112 EA Enclosed Tot Seat With Chain And Hardware.....	324.20	21.86
11 68 13 00-0113 EA Bucket Seat With Chain And Hardware.....	269.52	18.18
11 68 13 00-0114 EA Belt Seat With Chain And Hardware.....	287.09	19.41
11 68 13 00-0115 EA Seat With Chain And Hardware.....	283.19	19.12
11 68 13 00-0116 EA Wide Seat With Chain And Hardware.....	298.92	20.20
11 68 13 00-0117 EA Handi Seat With Chain And Hardware.....	892.52	60.24
11 68 13 00-0118 LF 0.4 LB/LF Replacement Chain.....	3.88	0.43
11 68 13 00-0119 LF 1 LB/LF Replacement Chain.....	7.21	0.86

11	11 Equipment
	11 60 Entertainment and Recreation Equipment
	11 68 Play Field Equipment And Structures



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 68 13 00-0120 EA Swing Hanger Replacement	42.12	4.98
11 68 23 Exterior Court Athletic Equipment (11 68)		
11 68 23 13 Exterior Basketball Equipment (11 68 23)		
11 68 23 13-0001 Basketball Systems (11 68 23 13)		
See CSI section 32 31 13 13-0001 for auguring holes and concrete.		
11 68 23 13-0002 EA 4-1/2" Bent Post Galvanized Steel Pole With 4' Extension, Aluminum Backboard, Double Rim Goal And Steel Net Basketball System	1,405.05	180.19
Note: Sportsplay 541-616.		
11 68 23 13-0003 EA 5-9/16" Bent Post Galvanized Steel Pole With 6' Extension Style, Aluminum Backboard, Double Rim Goal And Nylon Net Basketball System	2,567.30	198.21
Note: Porter Athletic 176-234.		
<i>For Fan Shaped Fiberglass Backboard, Deduct</i>		
<i>For 42" x 72" Perforated Steel Backboard, Add</i>		
11 68 23 13-0004 EA 4-1/2" Galvanized Steel Pole With 4' Extension, Aluminum Backboard, Double Rim Goal And Nylon Net Basketball System	1,850.00	180.19
Note: Porter Athletic 164-234.		
<i>For Fan Shaped Fiberglass Backboard, Deduct</i>		
<i>For 42" x 72" Perforated Steel Backboard, Add</i>		
11 68 23 13-0005 EA 4-1/2" Galvanized Steel Pole With 6' Extension, Aluminum Backboard, Double Rim Goal And Nylon Net Basketball System	2,278.57	198.21
Note: Porter Athletic 166-234.		
<i>For Fan Shaped Fiberglass Backboard, Deduct</i>		
<i>For 42" x 72" Perforated Steel Backboard, Add</i>		
11 68 23 13-0006 EA Back To Back 4-1/2" Galvanized Steel Pole With 4' Extensions, Aluminum Backboards, Double Rim Goals And Nylon Net Double Basketball System	2,917.95	264.98
Note: Porter Athletic 184-234.		
<i>For Fan Shaped Fiberglass Backboard, Deduct</i>		
<i>For 42" x 72" Perforated Steel Backboard, Add</i>		
11 68 23 13-0007 EA Back To Back 5-9/16" Galvanized Steel Pole With 6' Extensions, Aluminum Backboards, Double Rim Goals And Nylon Net Double Basketball System	3,781.24	291.48
Note: Porter Athletic 186-234.		
<i>For Fan Shaped Fiberglass Backboard, Deduct</i>		
<i>For 42" x 72" Perforated Steel Backboard, Add</i>		
11 68 23 13-0008 Basketball Components (11 68 23 13)		
See CSI section 32 31 13 13-0001 for auguring holes and concrete.		
11 68 23 13-0009 EA Nylon Cord Basketball Net (Porter Athletic 09608120)	25.48	7.25
11 68 23 13-0010 EA Chain Basketball Net (Porter Athletic 00161000)	40.83	7.25
11 68 23 13-0011 EA Heavy Duty Goal Ring (Porter Athletic 00235000)	101.87	36.25
11 68 23 13-0012 EA Goal Ring For Steel Net (Porter Athletic 00251H00)	189.63	16.32
11 68 23 13-0013 EA 42" x 72" Rectangular Fully Tempered Glass Basketball Backboard With Steel Frame (Porter Athletic 00204-000)	798.21	30.82
Note: Includes perimeter and target markings. Excludes pole and goal.		
11 68 23 13-0014 EA 42" x 72" Rectangular 11 Gauge Perforated Steel Basketball Backboard (Porter Athletic 01207-300)	850.90	30.82
Note: Includes perimeter and target markings. Excludes pole and goal.		
11 68 23 13-0015 EA 54" x 39" Fan Shaped Cast Aluminum Basketball Backboard (Porter Athletic 00234-300)	611.82	27.19
Note: Includes perimeter and target markings. Excludes pole and goal.		
11 68 23 13-0016 EA 54" x 39" Fan Shaped Fiberglass Basketball Backboard (Porter Athletic 00267-000)	464.29	27.19
Note: Includes perimeter and target markings. Excludes pole and goal.		
11 68 23 33 Tennis Equipment (11 68 23)		
11 68 23 33-0001 Tennis Court Net Posts (11 68 23 33)		
11 68 23 33-0002 PR Round, Powder Coated Steel, Tennis Court Net Posts With External Winder	790.56	123.24
11 68 23 33-0003 PR Round, Powder Coated Steel, Tennis Court Net Posts With Internal Brass Winder	945.47	123.24
11 68 23 33-0004 PR Square, Powder Coated Steel, Tennis Court Net Posts With Internal Brass Winder	971.29	123.24
11 68 23 33-0005 PR Round, Powder Coated Aluminum, Tennis Court Net Posts With External Winder	1,015.94	123.24
11 68 23 33-0006 PR Round, Powder Coated Aluminum, Tennis Court Net Posts With Internal Winder	1,174.92	123.24
11 68 23 33-0007 PR Polyvinyl Chloride (PVC) Ground Sleeves For Tennis Court Net Posts	195.33	
11 68 23 33-0008 PR Galvanized Steel Ground Sleeves For Tennis Court Net Posts	214.63	
11 68 23 33-0009 Tennis Court Nets (11 68 23 33)		
11 68 23 33-0010 EA 42' Length, Single Top, Vinyl Headband, Polyethylene Net Body, Tennis Court Net	383.99	121.79
11 68 23 33-0011 EA 42' Length, Double Top, Vinyl Headband, Polyethylene Net Body, Tennis Court Net	414.80	121.79
11 68 23 33-0012 EA 42' Length, Anti-Vandal, Aluminum Coated Flexible Steel Mesh, Tennis Court Net	853.24	187.39
11 68 23 33-0013 EA Galvanized Steel Anchor For Tennis Court Net Center Strap	51.92	
11 68 33 Athletic Field Equipment (11 68)		
11 68 33 13 Football Field Equipment (11 68 33)		
11 68 33 13-0001 Football Goal Posts (11 68 33 13)		
Note: Includes augering for post(s), set in concrete and backfill.		
11 68 33 13-0002 PR Double Steel Football Goal Posts, "H Shape"	3,078.53	326.25
11 68 33 13-0003 PR Vertical Style Goal Post, Single In Ground Mounting, Steel With 20' Uprights	4,322.86	450.65
11 68 33 13-0004 PR Gooseneck (Offset) Style Goal Post, Single In Ground Mounting, Steel, With 20' Uprights	5,165.76	540.79



Equipment	11	
Entertainment and Recreation Equipment	11 60	11
Play Field Equipment And Structures	11 68	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 68 33 23 Soccer And Field Hockey Equipment (11 68 33)		
11 68 33 23-0001 Soccer Goal Posts (11 68 33 23) Note: Includes augering for post(s), set in concrete and backfill.		
11 68 33 23-0002 PR Regulation Soccer Goal Posts.....	2,819.96	217.48
11 68 33 23-0003 PR Combination Football/Soccer Goal Post.....	3,415.06	326.25
11 68 33 33 Baseball Field Equipment (11 68 33)		
11 68 33 33-0001 Bases (11 68 33 33)		
11 68 33 33-0002 SET Bases For Baseball Or Softball.....	309.51	
11 70 Healthcare Equipment (11)		
11 73 Patient Care Equipment (11 70)		
11 73 23 Patient Lift (11 73)		
11 73 23 00-0001 Ceiling Patient Lift (11 73 23)		
11 73 23 00-0002 EA Maxi Sky 600 Fixed 4 Function Ceiling Patient Lift.....	7,034.26	
Note: Maxi Sky 600 cassette with 600 pound weight capacity. Includes 2 point hanger bar, hardware (x-y 3 meter x 4.5 meter 8 anchors xy 4.5), powered raise and lower as well as powered traverse on track. Maxi sky supports clinically activated return to charge, programmable automatic return.		
11 80 Facility Maintenance and Operation Equipment (11)		
11 81 Maintenance Equipment (11 80)		
11 81 29 Facility Fall Protection (11 81)		
11 81 29 00-0001 Safety And Tie-Back Anchors (11 81 29) Note: One cut sheet charge required per manufacturer order. Excludes flashing and testing by engineer after installation. See CSI section 01 22 20 00-0063 for engineering testing and inspection.		
11 81 29 00-0002 Roof Mounted, Safety And Tie-Back Anchors (11 81 29 00-0001) Note: Includes up to 10" high, 0.216" thick hollow structural section tube, 1018 steel forged pad eye, 8" x 8" x 1/2" base plate and hot-dipped galvanized finish.		
11 81 29 00-0003 EA Mechanically Fastened, Roof Mounted, Safety And Tie-Back Anchor (Summit Anchor).....	413.82	67.82
Note: Includes drilling in concrete, anchor bolts and bottom plate or plates.		
For Stainless Steel Pad Eye, Add	40.00	
For Foam Insulation Filled HSS Tube, Add	10.00	
11 81 29 00-0004 EA Epoxy Fastened, Roof Mounted, Safety And Tie-Back Anchor (Summit Anchor).....	356.63	67.82
Note: Includes drilling in concrete and adhesive anchor systems.		
For Stainless Steel Pad Eye, Add	40.00	
For Foam Insulation Filled HSS Tube, Add	10.00	
11 81 29 00-0005 EA Welded In Place, Roof Mounted, Safety And Tie-Back Anchor (Summit Anchor).....	298.47	66.95
For Stainless Steel Pad Eye, Add	40.00	
For Foam Insulation Filled HSS Tube, Add	10.00	
11 81 29 00-0006 Wall Mounted, Safety And Tie-Back Anchor (11 81 29 00-0001) Note: Includes 1018 steel forged pad eye, 10" x 4" x 1/2" base plate and hot-dipped galvanized finish.		
11 81 29 00-0007 EA Mechanically Fastened, Wall Mounted, Safety And Tie-Back Anchor (Summit Anchor).....	326.54	67.82
Note: Includes drilling in concrete, anchor bolts and bottom plate or plates.		
For Stainless Steel Pad Eye, Add	40.00	
11 81 29 00-0008 EA Epoxy Fastened, Wall Mounted, Safety And Tie-Back Anchor (Summit Anchor).....	298.61	67.82
Note: Includes drilling in concrete and adhesive anchor systems.		
For Stainless Steel Pad Eye, Add	40.00	
11 81 29 00-0009 EA Welded In Place, Wall Mounted, Safety And Tie-Back Anchor (Summit Anchor).....	267.99	66.95
For Stainless Steel Pad Eye, Add	40.00	
11 81 29 00-0010 Safety And Tie-Back Anchor Accessories (11 81 29 00-0001)		
11 81 29 00-0011 EA Mandatory Cut Sheets For Safety And Tie-Back Anchors (Summit Anchor).....	221.64	
Note: One cut sheet required per order.		
11 82 Facility Solid Waste Handling Equipment (11 80)		
11 82 19 Packaged Incinerators (11 82)		
11 82 19 00-0001 Electric Incinerator (11 82 19)		
11 82 19 00-0002 EA Electric Package Incinerator, 100 LB/Hour.....	21,356.10	871.63
11 82 19 00-0003 EA Electric Package Incinerator, 400 LB/Hour.....	43,668.82	1,743.25
11 82 19 00-0004 EA Electric Package Incinerator, 1,000 LB/Hour.....	145,327.09	2,614.88
11 82 26 Facility Waste Compactors (11 82)		
11 82 26 00-0001 Waste Compactors (11 82 26)		

11 Equipment**11 80 Facility Maintenance and Operation Equipment****11 82 Facility Solid Waste Handling Equipment**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 82 26 00-0002			110 Volt Compactors <small>(11 82 26 00-0001)</small>		
11 82 26 00-0003	EA		Waste Compactor, 110 Volt At 75 LB/Hour.....	11,572.69	423.93
11 82 26 00-0004	EA		Waste Compactor, 110 Volt At 250 LB/Hour.....	14,777.60	1,017.43
11 82 26 00-0005			230 Volt Compactors <small>(11 82 26 00-0001)</small>		
11 82 26 00-0006	EA		Waste Compactor, 230 Volt At 600 LB/Hour Hand Fed.....	14,956.29	1,356.58
11 82 26 00-0007	EA		Waste Compactor, 230 Volt At 600 LB/Hour Chute Fed.....	17,020.42	1,780.50
11 82 26 00-0008			Trash Compactors <small>(11 82 26)</small>		
11 82 26 00-0009	EA		Trash Compactor, Small.....	2,698.18	264.63
11 82 26 00-0010	EA		Trash Compactor, Large.....	3,313.69	299.46
11 90			Other Equipment <small>(11)</small>		
11 98			Detention Equipment <small>(11 98)</small>		
11 98 12			Detention Doors and Frames <small>(11 98)</small>		
11 98 12 00-0001			Metal Frames <small>(11 98 12)</small>		
			Note: Combination buck, jamb, and trim, fully seam welded.		
11 98 12 00-0002			Metal Frames 4-3/4" Depth x 7 Gauge x 1-3/4" <small>(11 98 12 00-0001)</small>		
11 98 12 00-0003	EA		2' x 6'-8" x 4-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Door.....	387.48	141.25
11 98 12 00-0004	EA		2'-4" x 6'-8" x 4-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Door.....	387.48	141.25
11 98 12 00-0005	EA		2'-6" x 6'-8" x 4-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Door.....	387.48	141.25
11 98 12 00-0006	EA		2'-8" x 6'-8" x 4-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Door.....	387.48	141.25
11 98 12 00-0007	EA		3' x 6'-8" x 4-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Door.....	389.53	141.25
11 98 12 00-0008	EA		3'-4" x 6'-8" x 4-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Door.....	389.53	141.25
11 98 12 00-0009	EA		6' x 6'-8" x 4-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Door.....	579.66	226.07
11 98 12 00-0010	EA		2' x 7' x 4-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Door.....	393.65	141.25
11 98 12 00-0011	EA		2'-4" x 7' x 4-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Door.....	393.65	141.25
11 98 12 00-0012	EA		2'-6" x 7' x 4-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Door.....	393.65	141.25
11 98 12 00-0013	EA		2'-8" x 7' x 4-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Door.....	399.82	141.25
11 98 12 00-0014	EA		3' x 7' x 4-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Door.....	494.02	188.36
11 98 12 00-0015	EA		3'-4" x 7' x 4-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Door.....	494.02	188.36
11 98 12 00-0016	EA		6' x 7' x 4-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Door.....	592.00	226.07
11 98 12 00-0017	EA		2' x 7'-2" x 4-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Door.....	393.65	141.25
11 98 12 00-0018	EA		2'-4" x 7'-2" x 4-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Door.....	393.65	141.25
11 98 12 00-0019	EA		2'-6" x 7'-2" x 4-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Door.....	393.65	141.25
11 98 12 00-0020	EA		2'-8" x 7'-2" x 4-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Door.....	393.65	141.25
11 98 12 00-0021	EA		3' x 7'-2" x 4-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Door.....	395.70	141.25
11 98 12 00-0022	EA		3'-4" x 7'-2" x 4-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Door.....	395.70	141.25
11 98 12 00-0023	EA		6' x 7'-2" x 4-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Door.....	585.83	226.07
11 98 12 00-0024			Metal Frames 6-3/4" Depth x 7 Gauge x 1-3/4" <small>(11 98 12 00-0001)</small>		
11 98 12 00-0025	EA		2' x 6'-8" x 6-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Door.....	393.64	141.25
11 98 12 00-0026	EA		2'-4" x 6'-8" x 6-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Door.....	393.64	141.25
11 98 12 00-0027	EA		2'-6" x 6'-8" x 6-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Door.....	393.64	141.25
11 98 12 00-0028	EA		2'-8" x 6'-8" x 6-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Door.....	393.64	141.25
11 98 12 00-0029	EA		3' x 6'-8" x 6-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Door.....	397.76	141.25
11 98 12 00-0030	EA		3'-4" x 6'-8" x 6-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Door.....	397.76	141.25
11 98 12 00-0031	EA		6' x 6'-8" x 6-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Door.....	585.83	226.07
11 98 12 00-0032	EA		2' x 7' x 6-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Door.....	393.64	141.25
11 98 12 00-0033	EA		2'-4" x 7' x 6-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Door.....	393.64	141.25
11 98 12 00-0034	EA		2'-6" x 7' x 6-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Door.....	399.81	141.25
11 98 12 00-0035	EA		2'-8" x 7' x 6-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Door.....	399.81	141.25
11 98 12 00-0036	EA		3' x 7' x 6-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Door.....	494.01	188.36
11 98 12 00-0037	EA		3'-4" x 7' x 6-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Door.....	494.01	188.36
11 98 12 00-0038	EA		6' x 7' x 6-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Door.....	686.40	251.03
11 98 12 00-0039	EA		2' x 7'-2" x 6-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Door.....	399.81	141.25
11 98 12 00-0040	EA		2'-4" x 7'-2" x 6-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Door.....	399.81	141.25
11 98 12 00-0041	EA		2'-6" x 7'-2" x 6-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Door.....	399.81	141.25
11 98 12 00-0042	EA		2'-8" x 7'-2" x 6-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Door.....	399.81	141.25
11 98 12 00-0043	EA		3' x 7'-2" x 6-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Door.....	401.87	141.25
11 98 12 00-0044	EA		3'-4" x 7'-2" x 6-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Door.....	401.87	141.25
11 98 12 00-0045	EA		6' x 7'-2" x 6-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Door.....	592.00	226.07
11 98 12 00-0046			Metal Doors <small>(11 98 12)</small>		
			Note: Flush type reinforced with stiffeners.		
11 98 12 00-0047			10 Gauge 1-3/4" Door <small>(11 98 12 00-0046)</small>		
11 98 12 00-0048	EA		2' x 6'-8" x 1-3/4" 10 Gauge Metal Door.....	474.52	50.19
11 98 12 00-0049	EA		2'-4" x 6'-8" x 1-3/4" 10 Gauge Metal Door.....	479.87	50.19
11 98 12 00-0050	EA		2'-6" x 6'-8" x 1-3/4" 10 Gauge Metal Door.....	485.21	50.19
11 98 12 00-0051	EA		2'-8" x 6'-8" x 1-3/4" 10 Gauge Metal Door.....	490.56	50.19



Equipment	11	11
Other Equipment	11 90	
Detention Equipment	11 98	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 98 12 00-0052 EA 3' x 6'-8" x 1-3/4" 10 Gauge Metal Door.....	495.90	50.19
11 98 12 00-0053 EA 3'-4" x 6'-8" x 1-3/4" 10 Gauge Metal Door	522.62	50.19
11 98 12 00-0054 EA Pair 3' x 6'-8" x 1-3/4" 10 Gauge Metal Door	971.71	90.43
11 98 12 00-0055 EA 2' x 7' x 1-3/4" 10 Gauge Metal Door	507.76	50.19
11 98 12 00-0056 EA 2'-4" x 7' x 1-3/4" 10 Gauge Metal Door.....	513.32	50.19
11 98 12 00-0057 EA 2'-6" x 7' x 1-3/4" 10 Gauge Metal Door	516.81	50.19
11 98 12 00-0058 EA 2'-8" x 7' x 1-3/4" 10 Gauge Metal Door.....	565.47	50.19
11 98 12 00-0059 EA 3' x 7' x 1-3/4" 10 Gauge Metal Door	682.93	50.19
11 98 12 00-0060 EA 3'-4" x 7' x 1-3/4" 10 Gauge Metal Door.....	743.35	50.19
11 98 12 00-0061 EA Pair 3' x 7' x 1-3/4" 10 Gauge Metal Door.....	1,087.74	90.43
11 98 12 00-0062 EA 2' x 7'-2" x 1-3/4" 10 Gauge Metal Door.....	493.23	50.19
11 98 12 00-0063 EA 2'-4" x 7'-2" x 1-3/4" 10 Gauge Metal Door	498.57	50.19
11 98 12 00-0064 EA 2'-6" x 7'-2" x 1-3/4" 10 Gauge Metal Door	503.92	50.19
11 98 12 00-0065 EA 2'-8" x 7'-2" x 1-3/4" 10 Gauge Metal Door	509.26	50.19
11 98 12 00-0066 EA 3' x 7'-2" x 1-3/4" 10 Gauge Metal Door.....	514.60	50.19
11 98 12 00-0067 EA 3'-4" x 7'-2" x 1-3/4" 10 Gauge Metal Door	541.32	50.19
11 98 12 00-0068 EA Pair 3' x 7'-2" x 1-3/4" 10 Gauge Metal Door	1,009.12	90.43
11 98 12 00-0069 Pneumatic Door Operators <small>(11 98 12)</small>		
11 98 12 00-0070 EA Pneumatic Cell Entry Door Operator With Hardware Set	3,695.03	
11 98 12 00-0071 EA Pneumatic Special Housing Cell Door Operator With Hardware Set	4,067.41	
11 98 12 00-0072 EA Pneumatic MS Cell Door Operator With Hardware Set	5,193.93	
11 98 12 00-0073 EA Pneumatic Sally Port Door Operator With Hardware Set.....	6,092.67	
11 98 12 00-0074 EA Pneumatic Corridor Door Operator With Hardware Set	7,588.89	
11 98 12 00-0075 EA Emergency Release Cabinet With Seven Gallon Storage Tank, Check Valve, Pressure Gauge, Three Way Valves And Four Release Valves.....	3,758.25	
11 98 12 00-0076 Prison Doors And Frame Assembly <small>(11 98 12)</small>		
11 98 12 00-0077 EA 2'-6" x 6'-8", 7 Gauge Flat Door With 7 Gauge Reinforcement Plate, Prison Security Doors And Frames	7,584.98	368.39
Note: Complete, with hardware, single plate.		
For 5" x 15-1/2" Opening Food Pass Assembly, Add	105.00	
11 98 12 00-0078 EA 2'-6" x 6'-8", 7 Gauge Flat Door With Double 7 Gauge Reinforcement Plate, Prison Security Doors And Frames.....	9,191.59	366.02
Note: Complete, with hardware, double plate.		
For 5" x 15-1/2" Opening Food Pass Assembly, Add	105.00	
11 98 14 Detention Door Hardware <small>(11 98)</small>		
11 98 14 00-0001 EA Solid Steel Deadlock For Swinging Doors, Five-Lever Tumblers.....	400.38	45.69
Note: Includes keeper.		

END OF SECTION 11

11	11	Equipment
	11 90	Other Equipment
	11 98	Detention Equipment



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

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Furnishings	12
Operation And Maintenance Of Furnishings	12 01
Operation And Maintenance Of Multiple Seating	12 01 60

12

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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12 Furnishings

12 01 Operation And Maintenance Of Furnishings ⁽¹²⁾

12 01 60 Operation And Maintenance Of Multiple Seating ^(12 01)

12 01 60 00-0001 Repair Fixed Auditorium Seating ^(12 01 60)			
12 01 60 00-0002	EA Replace Seat Part.....	110.30	
12 01 60 00-0003	EA Replace Center Armrest Part.....	54.10	
12 01 60 00-0004	EA Replace End Armrest Part.....	72.34	
12 01 60 00-0005	EA Replace Kick Plate Part.....	77.28	
12 01 60 00-0006	EA Replace Back Part.....	130.59	
12 01 60 00-0007	EA Replace Standard Part.....	103.87	
12 01 60 00-0008	EA Replace Back Bracket Part.....	49.01	
12 01 60 00-0009	EA Replace Seat Bracket Part.....	50.04	
12 01 60 00-0010	EA Secure Seat To Floor.....	45.83	
12 01 60 00-0011	EA Removal And Reinstallation Of Existing Auditorium Seat In Concrete Floor	57.71	
	Note: Includes drilling and fasteners.		
	For Epoxy Anchoring, Add	15.64	
12 01 60 00-0012	EA Reupholster Auditorium Seat And Back.....	145.93	
	Note: Includes removal of existing upholstery.		

12 20 Window Treatments ⁽¹²⁾

12 21 Window Blinds ^(12 20)

12 21 13 Horizontal Louver Blinds ^(12 21)

Note: Includes headrail, brackets, cords and all hardware.

12 21 13 13 Metal Horizontal Louver Blinds ^(12 21 13)

12 21 13 13-0001 Aluminum Horizontal Louver Blinds ^(12 21 13 13)

12 21 13 13-0002	SF 1/2" x 0.006" Slats, Aluminum Horizontal Louver Blinds.....	8.73	0.78
12 21 13 13-0003	SF 1" x 0.006" Slats, Aluminum Horizontal Louver Blinds.....	7.18	0.78
12 21 13 13-0004	SF 1" x 0.008" Slats, Aluminum Horizontal Louver Blinds.....	7.78	0.78
12 21 13 13-0005	SF 2" x 0.008" Slats, Aluminum Horizontal Louver Blinds.....	8.97	0.78

12 21 13 33 Plastic Horizontal Louver Blinds ^(12 21 13)

12 21 13 33-0001 Vinyl Horizontal Louver Blinds ^(12 21 13 33)

12 21 13 33-0002	SF 1" Slats, Vinyl Horizontal Louver Blinds.....	7.42	0.78
12 21 13 33-0003	SF 2" Slats, Vinyl Horizontal Louver Blinds.....	8.55	0.78

12 21 16 Vertical Louver Blinds ^(12 21)

Note: Includes headrail, brackets, cords and all hardware.

12 21 16 13 Metal Vertical Louver Blinds ^(12 21 16)

12 21 16 13-0001 Aluminum Vertical Louver Blinds ^(12 21 16 13)

12 21 16 13-0002	SF 3-1/2" x 0.008" Slats, Aluminum Vertical Louver Blinds.....	10.31	1.65
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12 21 16 33 Plastic Vertical Louver Blinds ^(12 21 16)

12 21 16 33-0001 Vinyl Vertical Louver Blinds ^(12 21 16 33)

12 21 16 33-0002	SF 2" Slats, Vinyl Vertical Louver Blinds.....	6.78	1.65
12 21 16 33-0003	SF 3-1/2" Slats, Vinyl Vertical Louver Blinds.....	9.35	1.65

12 22 Curtains And Drapes ^(12 20)

12 22 13 Draperies ^(12 22)

12 22 13 00-0001 Lined Draperies ^(12 22 13)

Note: Width dimensions are the panel width at top excluding returns and overlaps.

12 22 13 00-0002 Up To 48" Wide Lined Draperies ^(12 22 13 00-0001)

12 22 13 00-0003	EA Up To 39" Long, Up To 48" Wide Lined Draperies	146.52	11.31
12 22 13 00-0004	EA >39" To 63" Long, Up To 48" Wide Lined Draperies.....	152.09	11.31
12 22 13 00-0005	EA >63" To 72" Long, Up To 48" Wide Lined Draperies.....	161.14	11.31
12 22 13 00-0006	EA >72" To 81" Long, Up To 48" Wide Lined Draperies.....	164.62	11.31
12 22 13 00-0007	EA >81" To 90" Long, Up To 48" Wide Lined Draperies.....	172.97	11.31
12 22 13 00-0008	EA >90" To 99" Long, Up To 48" Wide Lined Draperies.....	184.11	11.31
12 22 13 00-0009	EA >99" To 108" Long, Up To 48" Wide Lined Draperies.....	191.07	11.31
12 22 13 00-0010	EA >108" To 120" Long, Up To 48" Wide Lined Draperies.....	200.82	11.31
12 22 13 00-0011	EA >120" To 130" Long, Up To 48" Wide Lined Draperies.....	216.13	11.31

12	Furnishings
12 20	Window Treatments
12 22	Curtains And Drapes



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 22 13 00-0012			>48" To 72" Wide Lined Draperies (12 22 13 00-0001)		
12 22 13 00-0013	EA		Up To 39" Long, >48" To 72" Wide Lined Draperies.....	211.74	15.37
12 22 13 00-0014	EA		>39" To 63" Long, >48" To 72" Wide Lined Draperies.....	224.27	15.37
12 22 13 00-0015	EA		>63" To 72" Long, >48" To 72" Wide Lined Draperies.....	234.02	15.37
12 22 13 00-0016	EA		>72" To 81" Long, >48" To 72" Wide Lined Draperies.....	242.37	15.37
12 22 13 00-0017	EA		>81" To 90" Long, >48" To 72" Wide Lined Draperies.....	261.87	15.37
12 22 13 00-0018	EA		>90" To 99" Long, >48" To 72" Wide Lined Draperies.....	271.61	15.37
12 22 13 00-0019	EA		>99" To 108" Long, >48" To 72" Wide Lined Draperies.....	279.97	15.37
12 22 13 00-0020	EA		>108" To 120" Long, >48" To 72" Wide Lined Draperies.....	298.07	15.37
12 22 13 00-0021	EA		>120" To 130" Long, >48" To 72" Wide Lined Draperies.....	317.56	15.37
12 22 13 00-0022			>72" To 96" Wide Lined Draperies (12 22 13 00-0001)		
12 22 13 00-0023	EA		Up To 39" Long, >72" To 96" Wide Lined Draperies.....	279.75	19.44
12 22 13 00-0024	EA		>39" To 63" Long, >72" To 96" Wide Lined Draperies.....	297.85	19.44
12 22 13 00-0025	EA		>63" To 72" Long, >72" To 96" Wide Lined Draperies.....	306.21	19.44
12 22 13 00-0026	EA		>72" To 81" Long, >72" To 96" Wide Lined Draperies.....	325.70	19.44
12 22 13 00-0027	EA		>81" To 90" Long, >72" To 96" Wide Lined Draperies.....	343.80	19.44
12 22 13 00-0028	EA		>90" To 99" Long, >72" To 96" Wide Lined Draperies.....	361.90	19.44
12 22 13 00-0029	EA		>99" To 108" Long, >72" To 96" Wide Lined Draperies.....	371.65	19.44
12 22 13 00-0030	EA		>108" To 120" Long, >72" To 96" Wide Lined Draperies.....	391.14	19.44
12 22 13 00-0031	EA		>120" To 130" Long, >72" To 96" Wide Lined Draperies.....	417.59	19.44
12 22 13 00-0032			>96" To 120" Wide Lined Draperies (12 22 13 00-0001)		
12 22 13 00-0033	EA		Up To 39" Long, >96" To 120" Wide Lined Draperies.....	351.95	23.51
12 22 13 00-0034	EA		>39" To 63" Long, >96" To 120" Wide Lined Draperies.....	370.05	23.51
12 22 13 00-0035	EA		>63" To 72" Long, >96" To 120" Wide Lined Draperies.....	379.80	23.51
12 22 13 00-0036	EA		>72" To 81" Long, >96" To 120" Wide Lined Draperies.....	407.64	23.51
12 22 13 00-0037	EA		>81" To 90" Long, >96" To 120" Wide Lined Draperies.....	425.74	23.51
12 22 13 00-0038	EA		>90" To 99" Long, >96" To 120" Wide Lined Draperies.....	445.24	23.51
12 22 13 00-0039	EA		>99" To 108" Long, >96" To 120" Wide Lined Draperies.....	407.37	23.51
12 22 13 00-0040	EA		>108" To 120" Long, >96" To 120" Wide Lined Draperies.....	492.58	23.51
12 22 13 00-0041	EA		>120" To 130" Long, >96" To 120" Wide Lined Draperies.....	506.50	23.51
12 22 13 00-0042			>120" To 144" Wide Lined Draperies (12 22 13 00-0001)		
12 22 13 00-0043	EA		Up To 39" Long, >120" To 144" Wide Lined Draperies.....	415.77	27.58
12 22 13 00-0044	EA		>39" To 63" Long, >120" To 144" Wide Lined Draperies.....	442.23	27.58
12 22 13 00-0045	EA		>63" To 72" Long, >120" To 144" Wide Lined Draperies.....	451.97	27.58
12 22 13 00-0046	EA		>72" To 81" Long, >120" To 144" Wide Lined Draperies.....	479.82	27.58
12 22 13 00-0047	EA		>81" To 90" Long, >120" To 144" Wide Lined Draperies.....	507.67	27.58
12 22 13 00-0048	EA		>90" To 99" Long, >120" To 144" Wide Lined Draperies.....	535.51	27.58
12 22 13 00-0049	EA		>99" To 108" Long, >120" To 144" Wide Lined Draperies.....	563.36	27.58
12 22 13 00-0050	EA		>108" To 120" Long, >120" To 144" Wide Lined Draperies.....	591.21	27.58
12 22 13 00-0051	EA		>120" To 130" Long, >120" To 144" Wide Lined Draperies.....	626.02	27.58
12 22 13 00-0052			>144" To 168" Wide Lined Draperies (12 22 13 00-0001)		
12 22 13 00-0053	EA		Up To 39" Long, >144" To 168" Wide Lined Draperies.....	487.96	31.65
12 22 13 00-0054	EA		>39" To 63" Long, >144" To 168" Wide Lined Draperies.....	515.81	31.65
12 22 13 00-0055	EA		>63" To 72" Long, >144" To 168" Wide Lined Draperies.....	536.69	31.65
12 22 13 00-0056	EA		>72" To 81" Long, >144" To 168" Wide Lined Draperies.....	564.54	31.65
12 22 13 00-0057	EA		>81" To 90" Long, >144" To 168" Wide Lined Draperies.....	592.39	31.65
12 22 13 00-0058	EA		>90" To 99" Long, >144" To 168" Wide Lined Draperies.....	627.19	31.65
12 22 13 00-0059	EA		>99" To 108" Long, >144" To 168" Wide Lined Draperies.....	655.04	31.65
12 22 13 00-0060	EA		>108" To 120" Long, >144" To 168" Wide Lined Draperies.....	682.89	31.65
12 22 13 00-0061	EA		>120" To 130" Long, >144" To 168" Wide Lined Draperies.....	731.62	31.65
12 22 13 00-0062			>168" To 192" Wide Lined Draperies (12 22 13 00-0001)		
12 22 13 00-0063	EA		Up To 39" Long, >168" To 192" Wide Lined Draperies.....	551.79	35.72
12 22 13 00-0064	EA		>39" To 63" Long, >168" To 192" Wide Lined Draperies.....	586.60	35.72
12 22 13 00-0065	EA		>63" To 72" Long, >168" To 192" Wide Lined Draperies.....	607.49	35.72
12 22 13 00-0066	EA		>72" To 81" Long, >168" To 192" Wide Lined Draperies.....	642.30	35.72
12 22 13 00-0067	EA		>81" To 90" Long, >168" To 192" Wide Lined Draperies.....	670.14	35.72
12 22 13 00-0068	EA		>90" To 99" Long, >168" To 192" Wide Lined Draperies.....	704.95	35.72
12 22 13 00-0069	EA		>99" To 108" Long, >168" To 192" Wide Lined Draperies.....	760.65	35.72
12 22 13 00-0070	EA		>108" To 120" Long, >168" To 192" Wide Lined Draperies.....	781.53	35.72
12 22 13 00-0071	EA		>120" To 130" Long, >168" To 192" Wide Lined Draperies.....	830.26	35.72
12 22 13 00-0072			>192" To 216" Wide Lined Draperies (12 22 13 00-0001)		
12 22 13 00-0073	EA		Up To 39" Long, >192" To 216" Wide Lined Draperies.....	622.59	39.78
12 22 13 00-0074	EA		>39" To 63" Long, >192" To 216" Wide Lined Draperies.....	650.44	39.78
12 22 13 00-0075	EA		>63" To 72" Long, >192" To 216" Wide Lined Draperies.....	678.28	39.78
12 22 13 00-0076	EA		>72" To 81" Long, >192" To 216" Wide Lined Draperies.....	720.05	39.78
12 22 13 00-0077	EA		>81" To 90" Long, >192" To 216" Wide Lined Draperies.....	761.82	39.78
12 22 13 00-0078	EA		>90" To 99" Long, >192" To 216" Wide Lined Draperies.....	803.59	39.78



Furnishings	12
Window Treatments	12 20
Curtains And Drapes	12 22

12

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 22 13 00-0079 EA >99" To 108" Long, >192" To 216" Wide Lined Draperies.....	838.40	39.78
12 22 13 00-0080 EA >108" To 120" Long, >192" To 216" Wide Lined Draperies.....	873.21	39.78
12 22 13 00-0081 EA >120" To 130" Long, >192" To 216" Wide Lined Draperies.....	935.86	39.78
12 22 13 00-0082 >216" To 240" Wide Lined Draperies (12 22 13 00-0001)		
12 22 13 00-0083 EA Up To 39" Long, >216" To 240" Wide Lined Draperies.....	686.42	43.86
12 22 13 00-0084 EA >39" To 63" Long, >216" To 240" Wide Lined Draperies.....	735.16	43.86
12 22 13 00-0085 EA >63" To 72" Long, >216" To 240" Wide Lined Draperies.....	756.04	43.86
12 22 13 00-0086 EA >72" To 81" Long, >216" To 240" Wide Lined Draperies.....	797.81	43.86
12 22 13 00-0087 EA >81" To 90" Long, >216" To 240" Wide Lined Draperies.....	846.54	43.86
12 22 13 00-0088 EA >90" To 99" Long, >216" To 240" Wide Lined Draperies.....	888.31	43.86
12 22 13 00-0089 EA >99" To 108" Long, >216" To 240" Wide Lined Draperies.....	930.08	43.86
12 22 13 00-0090 EA >108" To 120" Long, >216" To 240" Wide Lined Draperies.....	971.85	43.86
12 22 13 00-0091 EA >120" To 130" Long, >216" To 240" Wide Lined Draperies.....	1,041.47	43.86
12 22 16 Drapery Track And Accessories (12 22)		
12 22 16 00-0001 Metal Wall Or Ceiling Mount Drapery Tracks (12 22 16)		
12 22 16 00-0002 Basic Traverse Rod (12 22 16 00-0001)		
12 22 16 00-0003 EA Traverse Rod, 30" To 50" Extension Metal Wall Or Ceiling Mounted Track.....	87.53	36.96
12 22 16 00-0004 EA Traverse Rod, 50" To 90" Extension Metal Wall Or Ceiling Mounted Track.....	94.70	36.96
12 22 16 00-0005 EA Traverse Rod, 84" To 156" Extension Metal Wall Or Ceiling Mounted Track.....	109.04	41.08
12 22 16 00-0006 EA Traverse Rod, 136" To 250" Extension Metal Wall Or Ceiling Mounted Track.....	131.43	41.08
12 22 16 00-0007 EA Traverse Rod, 165" To 312" Extension Metal Wall Or Ceiling Mounted Track.....	140.82	45.18
12 22 16 00-0008 Traverse Rod With Stationary Curtain Rod (12 22 16 00-0001)		
12 22 16 00-0009 EA Tray And Curtain Rod, 30" To 50" Extension Metal Wall Or Ceiling Mounted Track.....	94.40	36.96
12 22 16 00-0010 EA Tray And Curtain Rod, 50" To 90" Extension Metal Wall Or Ceiling Mounted Track.....	99.04	36.96
12 22 16 00-0011 EA Tray And Curtain Rod, 84" To 156" Extension Metal Wall Or Ceiling Mounted Track.....	119.94	41.08
12 22 16 00-0012 EA Tray And Curtain Rod, 136" To 250" Extension Metal Wall Or Ceiling Mounted Track.....	136.49	45.18
12 22 16 00-0013 Double Traverse Rod (12 22 16 00-0001)		
12 22 16 00-0014 EA Double Traverse Rod, 30" To 50" Extension Metal Wall Or Ceiling Mounted Track.....	106.21	36.96
12 22 16 00-0015 EA Double Traverse Rod, 50" To 90" Extension Metal Wall Or Ceiling Mounted Track.....	120.25	36.96
12 22 16 00-0016 EA Double Traverse Rod, 84" To 156" Extension Metal Wall Or Ceiling Mounted Track.....	144.51	41.08
12 22 16 00-0017 EA Double Traverse Rod, 136" To 250" Extension Metal Wall Or Ceiling Mounted Track.....	158.44	45.18
12 22 16 00-0018 Curtain Rods (12 22 16 00-0001)		
12 22 16 00-0019 LF Standard Metal Curtain Rod, White.....	5.39	1.63
12 22 16 00-0020 Relocate Drapery And Rod (12 22 16 00-0001)		
12 22 16 00-0021 LF Relocate Any Type Of Drapery And Any Type Rod.....	24.64	
Note: Includes storage and cleaning.		
12 23 Interior Shutters (12 20)		
12 23 00 00-0001 Interior Plantation Shutters (12 23)		
Note: Mixture of white pine and poplar wood, stile: 1-3/4" x 1-1/8" thick, blade: 3/8" x 2-3/8", top and bottom rail: 4" x 1-5/16" thick. 36" To 48" heights do not have center rail, 52" to 80" with center rail. Center rail: 2" x 15/16"		
12 23 00 00-0002 12" Wide (12 23 00 00-0001)		
12 23 00 00-0003 PR 12" x 36" Plantation Shutter.....	206.55	27.33
12 23 00 00-0004 PR 12" x 40" Plantation Shutter.....	229.64	28.69
12 23 00 00-0005 PR 12" x 44" Plantation Shutter.....	250.60	30.06
12 23 00 00-0006 PR 12" x 48" Plantation Shutter.....	271.55	31.43
12 23 00 00-0007 PR 12" x 52" Plantation Shutter.....	292.52	32.80
12 23 00 00-0008 PR 12" x 56" Plantation Shutter.....	313.48	34.16
12 23 00 00-0009 PR 12" x 60" Plantation Shutter.....	315.30	35.53
12 23 00 00-0010 PR 12" x 64" Plantation Shutter.....	355.40	36.90
12 23 00 00-0011 PR 12" x 68" Plantation Shutter.....	376.36	38.26
12 23 00 00-0012 PR 12" x 72" Plantation Shutter.....	397.31	39.63
12 23 00 00-0013 PR 12" x 76" Plantation Shutter.....	418.28	40.99
12 23 00 00-0014 PR 12" x 80" Plantation Shutter.....	439.24	42.36
12 23 00 00-0015 14" Wide (12 23 00 00-0001)		
12 23 00 00-0016 PR 14" x 36" Plantation Shutter.....	215.06	27.33
12 23 00 00-0017 PR 14" x 40" Plantation Shutter.....	238.14	28.69
12 23 00 00-0018 PR 14" x 44" Plantation Shutter.....	259.10	30.06
12 23 00 00-0019 PR 14" x 48" Plantation Shutter.....	280.06	31.43
12 23 00 00-0020 PR 14" x 52" Plantation Shutter.....	303.14	32.80
12 23 00 00-0021 PR 14" x 56" Plantation Shutter.....	324.11	34.16
12 23 00 00-0022 PR 14" x 60" Plantation Shutter.....	345.07	35.53

12	Furnishings
12 20	Window Treatments
12 23	Interior Shutters



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 23 00 00-0023	PR		14" x 64" Plantation Shutter	368.15	36.90
12 23 00 00-0024	PR		14" x 68" Plantation Shutter	389.11	38.26
12 23 00 00-0025	PR		14" x 72" Plantation Shutter	410.08	39.63
12 23 00 00-0026	PR		14" x 76" Plantation Shutter	433.16	40.99
12 23 00 00-0027	PR		14" x 80" Plantation Shutter	454.12	42.36
12 23 00 00-0028			15" Wide (12 23 00 00-0001)		
12 23 00 00-0029	PR		15" x 36" Plantation Shutter	223.57	27.33
12 23 00 00-0030	PR		15" x 40" Plantation Shutter	246.65	28.69
12 23 00 00-0031	PR		15" x 44" Plantation Shutter	267.61	30.06
12 23 00 00-0032	PR		15" x 48" Plantation Shutter	288.57	31.43
12 23 00 00-0033	PR		15" x 52" Plantation Shutter	311.65	32.80
12 23 00 00-0034	PR		15" x 56" Plantation Shutter	334.74	34.16
12 23 00 00-0035	PR		15" x 60" Plantation Shutter	357.83	35.53
12 23 00 00-0036	PR		15" x 64" Plantation Shutter	380.91	36.90
12 23 00 00-0037	PR		15" x 68" Plantation Shutter	404.00	38.26
12 23 00 00-0038	PR		15" x 72" Plantation Shutter	424.96	39.63
12 23 00 00-0039	PR		15" x 76" Plantation Shutter	448.05	40.99
12 23 00 00-0040	PR		15" x 80" Plantation Shutter	471.13	42.36
12 23 00 00-0041			16" Wide (12 23 00 00-0001)		
12 23 00 00-0042	PR		16" x 36" Plantation Shutter	236.32	27.33
12 23 00 00-0043	PR		16" x 40" Plantation Shutter	261.53	28.69
12 23 00 00-0044	PR		16" x 44" Plantation Shutter	284.62	30.06
12 23 00 00-0045	PR		16" x 48" Plantation Shutter	309.83	31.43
12 23 00 00-0046	PR		16" x 52" Plantation Shutter	332.91	32.80
12 23 00 00-0047	PR		16" x 56" Plantation Shutter	356.01	34.16
12 23 00 00-0048	PR		16" x 60" Plantation Shutter	379.09	35.53
12 23 00 00-0049	PR		16" x 64" Plantation Shutter	406.43	36.90
12 23 00 00-0050	PR		16" x 68" Plantation Shutter	429.51	38.26
12 23 00 00-0051	PR		16" x 72" Plantation Shutter	452.61	39.63
12 23 00 00-0052	PR		16" x 76" Plantation Shutter	477.82	40.99
12 23 00 00-0053	PR		16" x 80" Plantation Shutter	500.90	42.36
12 23 00 00-0054			18" Wide (12 23 00 00-0001)		
12 23 00 00-0055	PR		18" x 36" Plantation Shutter	255.46	27.33
12 23 00 00-0056	PR		18" x 40" Plantation Shutter	280.67	28.69
12 23 00 00-0057	PR		18" x 44" Plantation Shutter	305.88	30.06
12 23 00 00-0058	PR		18" x 48" Plantation Shutter	333.22	31.43
12 23 00 00-0059	PR		18" x 52" Plantation Shutter	358.43	32.80
12 23 00 00-0060	PR		18" x 56" Plantation Shutter	385.78	34.16
12 23 00 00-0061	PR		18" x 60" Plantation Shutter	410.99	35.53
12 23 00 00-0062	PR		18" x 64" Plantation Shutter	436.20	36.90
12 23 00 00-0063	PR		18" x 68" Plantation Shutter	461.41	38.26
12 23 00 00-0064	PR		18" x 72" Plantation Shutter	488.76	39.63
12 23 00 00-0065	PR		18" x 76" Plantation Shutter	513.97	40.99
12 23 00 00-0066	PR		18" x 80" Plantation Shutter	541.31	42.36
12 23 00 00-0067			20" Wide (12 23 00 00-0001)		
12 23 00 00-0068	PR		20" x 36" Plantation Shutter	276.73	27.33
12 23 00 00-0069	PR		20" x 40" Plantation Shutter	306.19	28.69
12 23 00 00-0070	PR		20" x 44" Plantation Shutter	333.53	30.06
12 23 00 00-0071	PR		20" x 48" Plantation Shutter	360.86	31.43
12 23 00 00-0072	PR		20" x 52" Plantation Shutter	390.33	32.80
12 23 00 00-0073	PR		20" x 56" Plantation Shutter	417.67	34.16
12 23 00 00-0074	PR		20" x 60" Plantation Shutter	447.14	35.53
12 23 00 00-0075	PR		20" x 64" Plantation Shutter	474.48	36.90
12 23 00 00-0076	PR		20" x 68" Plantation Shutter	503.94	38.26
12 23 00 00-0077	PR		20" x 72" Plantation Shutter	531.29	39.63
12 23 00 00-0078	PR		20" x 76" Plantation Shutter	560.75	40.99
12 23 00 00-0079	PR		20" x 80" Plantation Shutter	588.09	42.36
12 23 00 00-0080			22" Wide (12 23 00 00-0001)		
12 23 00 00-0081	PR		22" x 36" Plantation Shutter	293.74	27.33
12 23 00 00-0082	PR		22" x 40" Plantation Shutter	325.33	28.69
12 23 00 00-0083	PR		22" x 44" Plantation Shutter	354.79	30.06
12 23 00 00-0084	PR		22" x 48" Plantation Shutter	3,573.89	31.43
12 23 00 00-0085	PR		22" x 52" Plantation Shutter	415.84	32.80
12 23 00 00-0086	PR		22" x 56" Plantation Shutter	445.32	34.16
12 23 00 00-0087	PR		22" x 60" Plantation Shutter	474.78	35.53
12 23 00 00-0088	PR		22" x 64" Plantation Shutter	506.37	36.90
12 23 00 00-0089	PR		22" x 68" Plantation Shutter	535.84	38.26
12 23 00 00-0090	PR		22" x 72" Plantation Shutter	567.44	39.63
12 23 00 00-0091	PR		22" x 76" Plantation Shutter	596.90	40.99
12 23 00 00-0092	PR		22" x 80" Plantation Shutter	628.49	42.36



Furnishings	12	12
Window Treatments	12 20	
Interior Shutters	12 23	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 23 00 00-0093 24" Wide <small>(12 23 00 00-0001)</small>		
12 23 00 00-0094 PR 24" x 36" Plantation Shutter.....	310.75	27.33
12 23 00 00-0095 PR 24" x 40" Plantation Shutter.....	344.47	28.69
12 23 00 00-0096 PR 24" x 44" Plantation Shutter.....	376.06	30.06
12 23 00 00-0097 PR 24" x 48" Plantation Shutter.....	409.77	31.43
12 23 00 00-0098 PR 24" x 52" Plantation Shutter.....	441.36	32.80
12 23 00 00-0099 PR 24" x 56" Plantation Shutter.....	472.96	34.16
12 23 00 00-0100 PR 24" x 60" Plantation Shutter.....	504.55	35.53
12 23 00 00-0101 PR 24" x 64" Plantation Shutter.....	538.27	36.90
12 23 00 00-0102 PR 24" x 68" Plantation Shutter.....	569.86	38.26
12 23 00 00-0103 PR 24" x 72" Plantation Shutter.....	603.58	39.63
12 23 00 00-0104 PR 24" x 76" Plantation Shutter.....	635.17	40.99
12 23 00 00-0105 PR 24" x 80" Plantation Shutter.....	668.89	42.36
12 24 Window Shades <small>(12 20)</small>		
12 24 13 Roller Window Shades <small>(12 24)</small>		
12 24 13 00-0001 Roller Window Shades <small>(12 24 13)</small>		
12 24 13 00-0002 Vinyl Coated Fiberglass, Roller Window Shades <small>(12 24 13 00-0001)</small>		
Note: Includes roller, brackets, and stainless steel chain operator.		
12 24 13 00-0003 SF 0% Openness, Blackout, Vinyl Coated Fiberglass, Roller Window Shades.....	11.00	0.54
12 24 13 00-0004 SF 1% To 10% Openness, Vinyl Coated Fiberglass, Roller Window Shades.....	11.00	0.54
12 24 13 00-0005 Polyvinyl Chloride (PVC) Free, Acrylic Backed Polyester, Roller Window Shades <small>(12 24 13 00-0001)</small>		
Note: Includes roller, brackets, and stainless steel chain operator.		
12 24 13 00-0006 SF 0% Openness, Blackout, Polyvinyl Chloride (PVC) Free, Acrylic Backed Polyester, Roller Window Shades.....	14.04	0.54
12 24 13 00-0007 Vinyl Coated Polyester, Roller Window Shades <small>(12 24 13 00-0001)</small>		
Note: Includes roller, brackets, and stainless steel chain operator.		
12 24 13 00-0008 SF 1% To 10% Openness, Vinyl Coated Polyester, Roller Window Shades.....	11.00	0.54
12 24 13 00-0009 Motorized Lightproof Shades <small>(12 24 13)</small>		
12 24 13 00-0010 SF Motorized Lightproof Shades, Up To 144" Width.....	19.53	2.06
12 30 Casework <small>(12)</small>		
12 31 Manufactured Metal Casework <small>(12 30)</small>		
12 31 16 Manufactured Metal Sandwich Panel Casework <small>(12 31)</small>		
12 31 16 00-0001 Stainless Steel Cabinets <small>(12 31 16)</small>		
12 31 16 00-0002 Stainless Steel Base Cabinets <small>(12 31 16 00-0001)</small>		
12 31 16 00-0003 18" Stainless Steel Base Cabinet <small>(12 31 16 00-0002)</small>		
12 31 16 00-0004 EA 18" Stainless Steel Base Cabinet, No Doors Or Drawers.....	1,552.45	214.45
For >5 To 9, Deduct		
For >9, Deduct		
12 31 16 00-0005 EA 18" Stainless Steel Base Cabinet, With 4 Drawers.....	2,506.65	214.45
For >5 To 9, Deduct		
For >9, Deduct		
12 31 16 00-0006 EA 18" Stainless Steel Base Cabinet, With 3 Drawers.....	2,326.60	214.45
For >5 To 9, Deduct		
For >9, Deduct		
12 31 16 00-0007 EA 18" Stainless Steel Base Cabinet, With 2 Drawers.....	2,146.55	214.45
For >5 To 9, Deduct		
For >9, Deduct		
12 31 16 00-0008 EA 18" Stainless Steel Base Cabinet, With Doors And Drawers.....	2,085.45	214.45
For >5 To 9, Deduct		
For >9, Deduct		
12 31 16 00-0009 24" Stainless Steel Base Cabinet <small>(12 31 16 00-0002)</small>		
12 31 16 00-0010 EA 24" Stainless Steel Base Cabinet, With Doors And Locks.....	2,235.10	231.77
For >5 To 9, Deduct		
For >9, Deduct		
12 31 16 00-0011 EA 24" Stainless Steel Base Cabinet, With Door, No Locks.....	2,015.40	231.77
For >5 To 9, Deduct		
For >9, Deduct		
12 31 16 00-0012 EA 24" Stainless Steel Base Cabinet, With Two Doors, No Locks.....	2,063.50	231.77
For >5 To 9, Deduct		
For >9, Deduct		

12 Furnishings**12 30 Casework****12 31 Manufactured Metal Casework**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 31 16 00-0013	EA		24" Stainless Steel Base Cabinet, No Doors, 2 Drawers	2,287.10	231.77
			<i>For >5 To 9, Deduct</i>	-95.72	
			<i>For >9, Deduct</i>	-191.44	
12 31 16 00-0014	EA		24" Stainless Steel Base Cabinet, With Doors And Drawers, No Locks	2,965.05	231.77
			<i>For >5 To 9, Deduct</i>	-131.31	
			<i>For >9, Deduct</i>	-262.62	
12 31 16 00-0015	EA		24" Stainless Steel Base Cabinet, With Doors And Drawers, With Locks.....	3,255.60	231.77
			<i>For >5 To 9, Deduct</i>	-146.56	
			<i>For >9, Deduct</i>	-293.13	
12 31 16 00-0016			30" Stainless Steel Base Cabinet <small>(12 31 16 00-0002)</small>		
12 31 16 00-0017	EA		30" Stainless Steel Base Cabinet, No Doors, No Drawers.....	1,971.76	244.24
			<i>For >5 To 9, Deduct</i>	-77.88	
			<i>For >9, Deduct</i>	-155.76	
12 31 16 00-0018	EA		30" Stainless Steel Base Cabinet, With 4 Full Size Drawers	2,853.16	244.24
			<i>For >5 To 9, Deduct</i>	-124.16	
			<i>For >9, Deduct</i>	-248.31	
12 31 16 00-0019	EA		30" Stainless Steel Base Cabinet, With Doors, Drawers And Locks.....	3,663.71	244.24
			<i>For >5 To 9, Deduct</i>	-166.71	
			<i>For >9, Deduct</i>	-333.42	
12 31 16 00-0020	EA		30" Stainless Steel Base Cabinet, With Doors And Drawers, No Locks	3,373.16	244.24
			<i>For >5 To 9, Deduct</i>	-151.46	
			<i>For >9, Deduct</i>	-302.91	
12 31 16 00-0021	EA		30" Stainless Steel Base Cabinet, With Doors And One Full Size Drawer.....	3,193.11	244.24
			<i>For >5 To 9, Deduct</i>	-142.00	
			<i>For >9, Deduct</i>	-284.01	
12 31 16 00-0022	EA		30" Stainless Steel Base Cabinet, With Doors, No Locks.....	2,462.51	244.24
			<i>For >5 To 9, Deduct</i>	-103.65	
			<i>For >9, Deduct</i>	-207.29	
12 31 16 00-0023	EA		30" Stainless Steel Base Cabinet, With Doors And Locks	2,440.41	244.24
			<i>For >5 To 9, Deduct</i>	-102.49	
			<i>For >9, Deduct</i>	-204.97	
12 31 16 00-0024			36" Stainless Steel Base Cabinet <small>(12 31 16 00-0002)</small>		
12 31 16 00-0025	EA		36" Stainless Steel Base Cabinet, No Doors, No Drawers.....	2,176.50	253.94
			<i>For >5 To 9, Deduct</i>	-87.58	
			<i>For >9, Deduct</i>	-175.15	
12 31 16 00-0026	EA		36" Stainless Steel Base Cabinet, With Doors And Locks	2,645.80	253.94
			<i>For >5 To 9, Deduct</i>	-112.22	
			<i>For >9, Deduct</i>	-224.43	
12 31 16 00-0027	EA		36" Stainless Steel Base Cabinet, With Door, No Lock.....	2,472.90	253.94
			<i>For >5 To 9, Deduct</i>	-103.14	
			<i>For >9, Deduct</i>	-206.28	
12 31 16 00-0028	EA		36" Stainless Steel Base Cabinet, With Doors, Drawers And Lock.....	3,866.50	253.94
			<i>For >5 To 9, Deduct</i>	-176.30	
			<i>For >9, Deduct</i>	-352.60	
12 31 16 00-0029	EA		36" Stainless Steel Base Cabinet, With Doors, Drawers, No Locks.....	3,576.60	253.94
			<i>For >5 To 9, Deduct</i>	-161.08	
			<i>For >9, Deduct</i>	-322.16	
12 31 16 00-0030			42" Stainless Steel Base Cabinet <small>(12 31 16 00-0002)</small>		
12 31 16 00-0031	EA		42" Stainless Steel Base Cabinet, No Doors, No Drawers.....	2,285.16	269.87
			<i>For >5 To 9, Deduct</i>	-91.63	
			<i>For >9, Deduct</i>	-183.26	
12 31 16 00-0032	EA		42" Stainless Steel Base Cabinet, With Doors, Drawers And Lock.....	4,078.51	269.87
			<i>For >5 To 9, Deduct</i>	-185.78	
			<i>For >9, Deduct</i>	-371.56	
12 31 16 00-0033	EA		42" Stainless Steel Base Cabinet, With Doors, Drawers, No Lock	3,787.96	269.87
			<i>For >5 To 9, Deduct</i>	-170.53	
			<i>For >9, Deduct</i>	-341.06	
12 31 16 00-0034	EA		42" Stainless Steel Base Cabinet, No Doors, 2 Drawers	3,487.01	269.87
			<i>For >5 To 9, Deduct</i>	-154.73	
			<i>For >9, Deduct</i>	-309.46	
12 31 16 00-0035	EA		42" Stainless Steel Base Cabinet, With Doors, No Lock.....	2,685.56	269.87
			<i>For >5 To 9, Deduct</i>	-112.65	
			<i>For >9, Deduct</i>	-225.30	
12 31 16 00-0036	EA		42" Stainless Steel Base Cabinet, With Doors And Lock.....	2,855.86	269.87
			<i>For >5 To 9, Deduct</i>	-121.59	
			<i>For >9, Deduct</i>	-243.19	
12 31 16 00-0037			48" Stainless Steel Base Cabinet <small>(12 31 16 00-0002)</small>		
12 31 16 00-0038	EA		48" Stainless Steel Base Cabinet, With Doors, Drawers And Lock.....	4,276.61	276.11
			<i>For >5 To 9, Deduct</i>	-195.55	
			<i>For >9, Deduct</i>	-391.10	
12 31 16 00-0039	EA		48" Stainless Steel Base Cabinet, With Doors, Drawers, No Lock	3,986.71	276.11
			<i>For >5 To 9, Deduct</i>	-180.33	
			<i>For >9, Deduct</i>	-360.66	
12 31 16 00-0040	EA		48" Stainless Steel Base Cabinet, No Doors, No Drawers.....	2,483.26	276.11
			<i>For >5 To 9, Deduct</i>	-101.40	
			<i>For >9, Deduct</i>	-202.80	



Furnishings	12
Casework	12 30
Manufactured Metal Casework	12 31

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MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 31 16 00-0041	EA		48" Stainless Steel Base Cabinet, No Doors, 2 Drawers..... <i>For >5 To 9, Deduct</i>	3,685.76 -164.53 -329.06	276.11
12 31 16 00-0042	EA		48" Stainless Steel Base Cabinet, With Doors, And Lock..... <i>For >5 To 9, Deduct</i>	3,055.91 -131.46 -262.93	276.11
12 31 16 00-0043	EA		48" Stainless Steel Base Cabinet, With Doors, No Locks..... <i>For >5 To 9, Deduct</i>	3,009.11 -129.01 -258.01	276.11
12 31 16 00-0044			60" Stainless Steel Base Cabinet (12 31 16 00-0002)		
12 31 16 00-0045	EA		24" Deep x 60" Wide Stainless Steel Sink Base Cabinet..... <i>For >5 To 9, Deduct</i>	2,978.66 -126.52 -253.04	284.52
12 31 16 00-0046			Stainless Steel Wall Cabinets (12 31 16 00-0001)		
12 31 16 00-0047			12" Wide Stainless Steel Wall Cabinets (12 31 16 00-0046)		
12 31 16 00-0048	EA		12"W x 12"D x 24"H Stainless Steel Wall Cabinet, With Doors And Locks..... <i>For >5 To 9, Deduct</i>	1,192.96 -54.06 -108.11	81.64
12 31 16 00-0049	EA		12"W x 12"D x 36"H Stainless Steel Wall Cabinet, With Doors, No Locks <i>For >5 To 9, Deduct</i>	1,188.97 -53.33 -106.65	86.59
12 31 16 00-0050			18" Wide Stainless Steel Wall Cabinets (12 31 16 00-0046)		
12 31 16 00-0051	EA		18"W x 12"D x 24"H Stainless Steel Wall Cabinet, With Doors And Locks..... <i>For >5 To 9, Deduct</i>	1,250.85 -56.45 -112.89	87.78
12 31 16 00-0052	EA		18"W x 12"D x 24"H Stainless Steel Wall Cabinet, With Doors, No Locks <i>For >5 To 9, Deduct</i>	1,180.00 -52.73 -105.45	87.78
12 31 16 00-0053	EA		18"W x 12"D x 36"H Stainless Steel Wall Cabinet, With Doors And Locks..... <i>For >5 To 9, Deduct</i>	1,383.31 -62.59 -125.19	95.50
12 31 16 00-0054	EA		18"W x 12"D x 36"H Stainless Steel Wall Cabinet, With Doors, No Locks <i>For >5 To 9, Deduct</i>	1,339.76 -60.31 -120.61	95.50
12 31 16 00-0055			24" Wide Stainless Steel Wall Cabinets (12 31 16 00-0046)		
12 31 16 00-0056	EA		24"W x 12"D x 36"H Stainless Steel Wall Cabinet, No Door..... <i>For >5 To 9, Deduct</i>	1,041.35 -44.47 -88.94	97.18
12 31 16 00-0057	EA		24"W x 12"D x 36"H Stainless Steel Wall Cabinet, With Doors And Locks..... <i>For >5 To 9, Deduct</i>	1,411.85 -63.92 -127.84	97.18
12 31 16 00-0058	EA		24"W x 12"D x 36"H Stainless Steel Wall Cabinet, With Doors, No Locks <i>For >5 To 9, Deduct</i>	1,341.65 -60.24 -120.47	97.18
12 31 16 00-0059	EA		24"W x 12"D x 24"H Stainless Steel Wall Cabinet, With Doors And Locks..... <i>For >5 To 9, Deduct</i>	1,329.11 -60.24 -120.48	90.74
12 31 16 00-0060	EA		24"W x 12"D x 24"H Stainless Steel Wall Cabinet, With Doors, No Locks <i>For >5 To 9, Deduct</i>	1,254.36 -56.32 -112.63	90.74
12 31 16 00-0061	EA		24"W x 12"D x 24"H Stainless Steel Wall Cabinet, With Glass Door, No Lock..... <i>For >5 To 9, Deduct</i>	1,604.71 -74.71 -149.42	90.74
12 31 16 00-0062	EA		24"W x 12"D x 24"H Stainless Steel Wall Cabinet, No Doors..... <i>For >5 To 9, Deduct</i>	954.06 -40.55 -81.10	90.74
12 31 16 00-0063	EA		24"W x 12"D x 18"H Stainless Steel Wall Cabinet, No Doors..... <i>For >5 To 9, Deduct</i>	898.42 -38.07 -76.15	86.59
12 31 16 00-0064			30" Wide Stainless Steel Wall Cabinets (12 31 16 00-0046)		
12 31 16 00-0065	EA		30"W x 12"D x 36"H Stainless Steel Wall Cabinet, With Doors And Locks..... <i>For >5 To 9, Deduct</i>	1,829.73 -85.22 -170.44	103.22
12 31 16 00-0066	EA		30"W x 12"D x 36"H Stainless Steel Wall Cabinet, With Doors, No Locks <i>For >5 To 9, Deduct</i>	1,659.43 -76.28 -152.56	103.22
12 31 16 00-0067	EA		30"W x 12"D x 36"H Stainless Steel Wall Cabinet, No Doors..... <i>For >5 To 9, Deduct</i>	1,117.98 -47.85 -95.71	103.22
12 31 16 00-0068	EA		30"W x 12"D x 24"H Stainless Steel Wall Cabinet, With Doors And Locks..... <i>For >5 To 9, Deduct</i>	1,740.24 -81.38 -162.77	95.00

12 Furnishings**12 30 Casework****12 31 Manufactured Metal Casework**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 31 16 00-0069	EA		30"W x 12"D x 24"H Stainless Steel Wall Cabinet, With Doors, No Lock	1,569.94	95.00
			<i>For >5 To 9, Deduct</i>	-72.44	
			<i>For >9, Deduct</i>	-144.89	
12 31 16 00-0070	EA		30"W x 12"D x 24"H Stainless Steel Wall Cabinet, No Doors	1,028.49	95.00
			<i>For >5 To 9, Deduct</i>	-44.02	
			<i>For >9, Deduct</i>	-88.03	
12 31 16 00-0071	EA		30"W x 12"D x 18"H Stainless Steel Wall Cabinet, No Doors	972.53	90.55
			<i>For >5 To 9, Deduct</i>	-41.55	
			<i>For >9, Deduct</i>	-83.11	
12 31 16 00-0072			36" Wide Stainless Steel Wall Cabinets (12 31 16 00-0046)		
12 31 16 00-0073	EA		36"W x 12"D x 36"H Stainless Steel Wall Cabinet, With Doors And Locks.....	1,902.73	106.19
			<i>For >5 To 9, Deduct</i>	-88.74	
			<i>For >9, Deduct</i>	-177.49	
12 31 16 00-0074	EA		36"W x 12"D x 36"H Stainless Steel Wall Cabinet, With Doors, No Locks.....	1,728.53	106.19
			<i>For >5 To 9, Deduct</i>	-79.60	
			<i>For >9, Deduct</i>	-159.20	
12 31 16 00-0075	EA		36"W x 12"D x 36"H Stainless Steel Wall Cabinet, No Doors	1,190.98	106.19
			<i>For >5 To 9, Deduct</i>	-51.38	
			<i>For >9, Deduct</i>	-102.75	
12 31 16 00-0076	EA		36"W x 12"D x 24"H Stainless Steel Wall Cabinet, With Doors And Locks.....	1,812.25	97.18
			<i>For >5 To 9, Deduct</i>	-84.94	
			<i>For >9, Deduct</i>	-169.88	
12 31 16 00-0077	EA		36"W x 12"D x 24"H Stainless Steel Wall Cabinet, With Doors, No Locks.....	1,642.60	97.18
			<i>For >5 To 9, Deduct</i>	-76.04	
			<i>For >9, Deduct</i>	-152.07	
12 31 16 00-0078	EA		36"W x 12"D x 24"H Stainless Steel Wall Cabinet, No Doors	1,100.50	97.18
			<i>For >5 To 9, Deduct</i>	-47.58	
			<i>For >9, Deduct</i>	-95.15	
12 31 16 00-0079	EA		36"W x 12"D x 18"H Stainless Steel Wall Cabinet, With Doors, No Locks.....	1,045.74	92.53
			<i>For >5 To 9, Deduct</i>	-45.18	
			<i>For >9, Deduct</i>	-90.37	
12 31 16 00-0080			42" Wide Stainless Steel Wall Cabinets (12 31 16 00-0046)		
12 31 16 00-0081	EA		42"W x 12"D x 42"H Stainless Steel Wall Cabinet, With Doors, No Locks.....	1,995.62	133.60
			<i>For >5 To 9, Deduct</i>	-90.75	
			<i>For >9, Deduct</i>	-181.51	
12 31 16 00-0082	EA		42"W x 12"D x 36"H Stainless Steel Wall Cabinet, With Doors And Locks.....	1,998.63	126.08
			<i>For >5 To 9, Deduct</i>	-91.70	
			<i>For >9, Deduct</i>	-183.39	
12 31 16 00-0083	EA		42"W x 12"D x 36"H Stainless Steel Wall Cabinet, With Doors, No Locks.....	1,825.73	126.08
			<i>For >5 To 9, Deduct</i>	-82.62	
			<i>For >9, Deduct</i>	-165.24	
12 31 16 00-0084	EA		42"W x 12"D x 36"H Stainless Steel Wall Cabinet, No Doors	1,285.58	126.08
			<i>For >5 To 9, Deduct</i>	-54.26	
			<i>For >9, Deduct</i>	-108.52	
12 31 16 00-0085	EA		42"W x 12"D x 24"H Stainless Steel Wall Cabinet, With Doors And Locks.....	1,883.52	105.89
			<i>For >5 To 9, Deduct</i>	-87.77	
			<i>For >9, Deduct</i>	-175.53	
12 31 16 00-0086	EA		42"W x 12"D x 24"H Stainless Steel Wall Cabinet, With Doors, No Locks.....	1,711.92	105.89
			<i>For >5 To 9, Deduct</i>	-78.76	
			<i>For >9, Deduct</i>	-157.52	
12 31 16 00-0087	EA		42"W x 12"D x 24"H Stainless Steel Wall Cabinet, No Doors	1,171.77	105.89
			<i>For >5 To 9, Deduct</i>	-50.40	
			<i>For >9, Deduct</i>	-100.80	
12 31 16 00-0088			48" Wide Stainless Steel Wall Cabinets (12 31 16 00-0046)		
12 31 16 00-0089	EA		48"W x 12"D x 42"H Stainless Steel Wall Cabinet, No Doors, No Locks.....	1,757.61	133.60
			<i>For >5 To 9, Deduct</i>	-77.98	
			<i>For >9, Deduct</i>	-155.95	
12 31 16 00-0090	EA		48"W x 12"D x 36"H Stainless Steel Wall Cabinet, With Doors And Locks.....	2,070.19	128.85
			<i>For >5 To 9, Deduct</i>	-95.15	
			<i>For >9, Deduct</i>	-190.31	
12 31 16 00-0091	EA		48"W x 12"D x 36"H Stainless Steel Wall Cabinet, With Doors, No Locks.....	1,899.89	128.85
			<i>For >5 To 9, Deduct</i>	-86.21	
			<i>For >9, Deduct</i>	-172.43	
12 31 16 00-0092	EA		48"W x 12"D x 36"H Stainless Steel Wall Cabinet, No Doors	1,358.44	128.85
			<i>For >5 To 9, Deduct</i>	-57.79	
			<i>For >9, Deduct</i>	-115.58	
12 31 16 00-0093	EA		48"W x 12"D x 24"H Stainless Steel Wall Cabinet, With Doors And Locks.....	1,954.32	106.88
			<i>For >5 To 9, Deduct</i>	-91.37	
			<i>For >9, Deduct</i>	-182.74	
12 31 16 00-0094	EA		48"W x 12"D x 24"H Stainless Steel Wall Cabinet, With Doors, No Locks.....	1,784.67	106.88
			<i>For >5 To 9, Deduct</i>	-82.47	
			<i>For >9, Deduct</i>	-164.93	
12 31 16 00-0095	EA		48"W x 12"D x 24"H Stainless Steel Wall Cabinet, No Doors	1,242.57	106.88
			<i>For >5 To 9, Deduct</i>	-54.01	
			<i>For >9, Deduct</i>	-108.01	
12 31 16 00-0096			Accessories (12 31 16 00-0001)		



		Furnishings	12
		Casework	12 30
		Manufactured Metal Casework	12 31

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MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 31	16 00-0097		Stainless Steel Countertops <small>(12 31 16 00-0096)</small> Note: 16 gauge countertops without sinks.		
	12 31 16 00-0098	SF	Stainless Steel Countertop With Marine Edge and Splash Note: 16 gauge.	104.50	5.44
	12 31 16 00-0099	SF	Stainless Steel Countertop Without Marine Edge and With Splash Note: 16 gauge.	97.35	5.44
	12 31 16 00-0100	SF	Stainless Steel Countertop Without Marine Edge or Splash Note: 16 gauge.	90.85	5.44
12 31	16 00-0101		Stainless Steel Wall Panels <small>(12 31 16 00-0096)</small>		
	12 31 16 00-0102	SF	Stainless Steel Wall Panel, 20 Gauge	30.85	8.12
12 31	16 00-0103		Pedestal Legs <small>(12 31 16 00-0096)</small>		
	12 31 16 00-0104	EA	Type #304 Stainless Steel Pedestal Leg	259.62	12.37
12 31	16 00-0105		Stainless Steel Slanted Cabinet Top Enclosure <small>(12 31 16 00-0096)</small>		
	12 31 16 00-0106	EA	Stainless Steel Slanted Cabinet Top Enclosure, 5' Sections	283.30	22.60
12 35			Specialty Casework <small>(12 30)</small>		
12 35 70			Healthcare Casework <small>(12 35)</small>		
12 35 70 13			Hospital Casework <small>(12 35 70)</small>		
12 35 70 13-0001			Modular Casework <small>(12 35 70 13)</small> Note: Midmark.		
	12 35 70 13-0002	EA	36" High Base Sink Unit, 2 Doors; Midmark MC-SBS005-243624	490.53	73.44
	12 35 70 13-0003	EA	36" High Base Sink Unit, 2 Doors; Midmark MC-SBS005-363624	608.71	91.79
	12 35 70 13-0004	EA	36" High Base Sink Unit, 2 Doors With Tap Master Valve; Midmark MC-SBS009-243624	832.41	73.44
	12 35 70 13-0005	EA	36" High Base Sink Unit, 2 Doors With Tap Master Valve; Midmark MC-SBS009-363624	958.80	91.79
	12 35 70 13-0006	EA	36" High Base Storage Unit, 1 Door; Midmark MC-SBP006-243624	551.39	73.44
	12 35 70 13-0007	EA	36" High Base Storage Unit, 2 Doors; Midmark MC-SBP007-363624	738.63	91.79
	12 35 70 13-0008	EA	36" High Base Storage Unit, 1 4" Drawer, 1 Door; Midmark MC-SBP012-153624	553.44	73.44
	12 35 70 13-0009	EA	36" High Base Storage Unit, 1 4" Drawer, 1 Door; Midmark MC-SBP012-183624	593.78	73.44
	12 35 70 13-0010	EA	36" High Base Storage Unit, 1 4" Drawer, 1 Door; Midmark MC-SBP012-213624	628.65	73.44
	12 35 70 13-0011	EA	36" High Base Storage Unit, 1 4" Drawer, 2 Doors; Midmark MC-SBP013-303624	785.81	91.79
	12 35 70 13-0012	EA	36" High Base Storage Unit, 1 4" Drawer, 2 Doors; Midmark MC-SBP013-363624	797.43	91.79
	12 35 70 13-0013	EA	36" High Base Storage Unit, 2 4" Drawer, 2 Doors; Midmark MC-SBP020-243624	733.27	73.44
	12 35 70 13-0014	EA	36" High Base Storage Unit, 2 4" Drawer, 2 Doors; Midmark MC-SBP020-303624	854.18	91.79
	12 35 70 13-0015	EA	36" High Base Storage Unit, 2 4" Drawer, 2 Doors; Midmark MC-SBP020-363624	879.48	91.79
	12 35 70 13-0016	EA	36" High Base Storage Unit, 1 4" Drawer, 2 8" Drawers; Midmark MC-SBP024-123624	645.06	73.44
	12 35 70 13-0017	EA	36" High Base Storage Unit, 1 4" Drawer, 2 8" Drawers; Midmark MC-SBP024-153624	662.84	73.44
	12 35 70 13-0018	EA	36" High Base Storage Unit, 1 4" Drawer, 2 8" Drawers; Midmark MC-SBP024-183624	708.65	73.44
	12 35 70 13-0019	EA	36" High Base Storage Unit, 2 4" Drawer, 2 8" Drawers; Midmark MC-SBP025-303624	1,169.40	91.79
	12 35 70 13-0020	EA	36" High Base Storage Unit, 2 4" Drawer, 2 8" Drawers; Midmark MC-SBP025-363624	1,233.67	91.79
	12 35 70 13-0021	EA	36" High Base Storage Unit, 5 4" Drawer; Midmark MC-SBP032-153624	824.21	73.44
	12 35 70 13-0022	EA	36" High Base Storage Unit, 5 4" Drawer; Midmark MC-SBP032-183624	871.39	73.44
	12 35 70 13-0023	EA	36" High Base Storage Unit, 5 4" Drawer; Midmark MC-SBP032-213624	952.76	73.44
	12 35 70 13-0024	EA	84" High Tall Storage Unit, 2 Doors; Midmark MC-STP032-368424	1,702.70	220.31
	12 35 70 13-0025	EA	84" High Tall Storage Unit, Open Upper With Pull Out Shelf, 1 4" Drawer, 2 Doors; Midmark MC-STP081-248424	1,570.74	220.31
	12 35 70 13-0026	EA	Desk Filler Panel; Midmark MC-SDA003-060501	67.59	18.36
	12 35 70 13-0027	EA	30" High Overhead Unit, 1 Door; Midmark MC-SOHO41-123014	364.72	73.44
	12 35 70 13-0028	EA	30" High Overhead Unit, 1 Door; Midmark MC-SOHO41-153014	358.57	73.44
	12 35 70 13-0029	EA	30" High Overhead Unit, 1 Door; Midmark MC-SOHO41-183014	380.45	73.44
	12 35 70 13-0030	EA	30" High Overhead Unit, 1 Door; Midmark MC-SOHO41-213014	409.85	73.44
	12 35 70 13-0031	EA	30" High Overhead Unit, 2 Doors; Midmark MC-SOHO42-243014	443.35	73.44
	12 35 70 13-0032	EA	30" High Overhead Unit, 2 Doors; Midmark MC-SOHO42-303014	510.25	91.79
	12 35 70 13-0033	EA	30" High Overhead Unit, 2 Doors; Midmark MC-SOHO42-363014	550.59	91.79
	12 35 70 13-0034	EA	30" High Overhead Unit, 2 Window Doors; Midmark MC-SOHO44-303014	668.20	91.79
	12 35 70 13-0035	EA	30" High Overhead Unit, 2 Window Doors; Midmark MC-SOHO44-363014	739.31	91.79
	12 35 70 13-0036	LF	19" Self Edge Laminate Countertop With Backsplash	92.19	13.56
	12 35 70 13-0037	LF	25" Self Edge Laminate Countertop With Backsplash	177.62	18.08
	12 35 70 13-0038	SF	Melamine Wall Cabinet Inner Soffit	28.00	11.31
			Note: Includes blocking		
12 36			Countertops <small>(12 30)</small>		
12 36 23			Plastic Countertops <small>(12 36)</small>		
12 36 23 13			Plastic-Laminate-Clad Countertops <small>(12 36 23)</small>		
12 36 23 13-0001			Plastic Laminate Countertops <small>(12 36 23 13)</small> Note: Includes plywood, MDF, or particleboard substrates, finished ends, and all edge types such as bullnose, ogee, roundover, bevel, etc.		
	12 36 23 13-0002	SF	Plastic Laminate Countertop Without Backsplash	16.17	9.04
	12 36 23 13-0003	SF	Plastic Laminate Countertop With Backsplash	20.92	9.04
	12 36 23 13-0004	LF	Plastic Laminate End Splash For Plastic Laminate Countertops	16.53	2.72

12 Furnishings

12 30 Casework

12 36 Countertops

MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

12 36 23 13-0005 EA Cutout For Sink And/Or Faucet In Plastic Laminate Countertop.....75.33

12 36 61 Simulated Stone Countertops (12 36)**12 36 61 16 Solid Surfacing Countertops (12 36 61)**

12 36 61 16-0001 Solid Polyester Countertops (12 36 61 16)

12 36 61 16-0002 Solid Polyester Countertop And Backsplash, Group B Colors (12 36 61 16-0001)

Note: May be used for wall applications.

12 36 61 16-0003 SF 1/4" Solid Polyester (Corian) Backsplash, Group B Colors.....22.76 6.03
Note: Quantity based on area of backsplash. Excludes backing material such as cement or water resistant gypsum board.

For Group A Color Material, Deduct

-3.70

For Group C Color Material, Add

1.48

For Group D Color Material, Add

4.07

12 36 61 16-0004 SF 1/2" Solid Polyester (Corian) Countertop, Group B Colors.....45.53 9.04
Note: Quantity based on area of counter, backsplash and apron. Includes drilling holes for fixtures and 1-1/2" drop edge with 1/8" radius edges (when apron not used).

For Group A Color Material, Deduct

-7.40

For Group C Color Material, Add

2.96

For Group D Color Material, Add

8.14

For Each LF Of Half Round Edge, Add

8.00

For Each LF Of Ogee Or Full Round Edge, Add

12.00

For Each LF Of Machining A Cove At Backsplash, Add

10.00

For Each Sink, Range Or Vanity Cutout, Add

15.00

For 16-7/16" x 13" x 5-1/4" Depth Lavatory Sink (Corian 810), Add

125.25

For 20-7/16" x 14-7/16" x 6-1/8" Depth Lavatory Sink (Corian 815), Add

158.37

For 17-3/8" x 10-13/16" x 5-1/2" Depth Lavatory Sink (Corian 816), Add

115.61

For 14-3/4" x 10-1/2" x 5-1/2" Depth Lavatory Sink (Corian 820), Add

110.20

For 18-7/8" x 13-3/4" x 5-7/8" Depth Lavatory Sink (Corian 830), Add

158.37

For 20" x 13-3/8" x 6-1/4" Depth Lavatory Sink (Corian 831), Add

158.37

For 19-3/4" x 14-1/4" x 5-7/8" Depth Lavatory Sink (Corian 835), Add

158.37

For 17" x 14" x 6" Depth Lavatory Sink (Corian 837), Add

158.37

For Up To 1.5 SF Integral Single Basin Kitchen Sink, Add

142.71

Note: Single or double bowl.

For >1.5 To 2.25 SF Integral Single Basin Kitchen Sink, Add

248.09

Note: Single or double bowl.

For >2.25 To 3 SF Integral Single Basin Kitchen Sink, Add

332.39

Note: Single or double bowl.

For >3 SF Integral Single Basin Kitchen Sink, Add

360.09

Note: Single or double bowl.

For >3 SF Integral Double Basin Kitchen Sink, Add

360.09

12 40 Furnishings And Accessories (12)**12 41 Office Accessories (12 40)**

12 41 00 00-0001 Wall Mounted Office Accessories (12 41)

12 41 00 00-0002 EA Manual Pencil Sharpener, Wall Mounted.....12.49 3.27

12 41 00 00-0003 EA Wall Mounted Flag.....11.96 3.27

12 48 Rugs And Mats (12 40)**12 48 13 Entrance Floor Mats And Frames (12 48)****12 48 13 13 Entrance Floor Mats (12 48 13)**

12 48 13 13-0001 Floor Mats (12 48 13 13)

12 48 13 13-0002 SF 3/8" Thick Solid Recessable Floor Mat12.55 2.06

For Colors, Add

1.69

12 48 13 13-0003 SF 1/2" Thick Solid Recessable Floor Mat15.15 2.06

For Colors, Add

2.21

12 48 13 13-0004 SF 3/8" Thick Perforated Recessable Floor Mat.....13.20 2.06

For Colors, Add

1.82

12 48 13 13-0005 SF 1/2" Thick Perforated Recessable Floor Mat.....15.80 2.06

For Colors, Add

2.34

12 48 13 13-0006 Link Mats (12 48 13 13)

Note: Includes nosing.

12 48 13 13-0007 SF 3/8" Link Mats, Aluminum15.24 2.06

12 48 13 13-0008 SF Black Rubber Link Mats With Galvanized Tie Rods.....13.04 2.06

12 48 13 13-0009 SF 3/8" Thick, Galvanized Steel Link Mats.....12.23 2.06

12 48 13 13-0010 SF Vinyl Link Mats, Color.....14.00 2.06

12 48 13 13-0011 LF Rubber Nosing.....4.09 0.90

12 48 13 13-0012 Duckboard (12 48 13 13)

12 48 13 13-0013 SF Aluminum Slats.....21.23 2.35

12 48 13 13-0014 SF Hardwood Strips On Rubber Base.....13.32 2.35



Furnishings	12
Furnishings And Accessories	12 40
Rugs And Mats	12 48

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 48 13 13-0015 SF Assembled With Brass Rods And Vinyl Spacers	14.59	2.35
12 48 13 13-0016 SF Tire Fabric, 3/4" Thick	13.42	2.35
12 48 13 13-0017 SF Vinyl, 36" Wide, Hollow Top And Bottom	7.17	2.35
12 48 13 13-0018 SF Vinyl, 36" Wide, Solid Top And Bottom	9.13	2.35
12 48 13 16 Entrance Floor Mat Frames (12 48 13)		
12 48 13 16-0001 Recessed Frames (12 48 13 16)		
12 48 13 16-0002 LF Aluminum Recessed Embedded Frame	12.48	3.62
12 48 13 16-0003 LF Bronze Recessed Embedded Frame	17.63	3.62
12 50 Furniture (12)		
12 55 Detention Furniture (12 50)		
12 55 13 Detention Bunks (12 55)		
12 55 13 00-0001 Wall Mounted Single Bunks (12 55 13)		
Note: 14 Gauge center pan, 7 gauge bracket, painted.		
12 55 13 00-0002 EA 27" Wide x 80" Long x 12" High Wall Mounted Bunk	355.78	68.53
12 55 13 00-0003 EA 32" Wide x 80" Long x 12" High Wall Mounted Bunk	401.82	68.53
12 55 13 00-0004 EA 38" Wide x 80" Long x 12" High Wall Mounted Bunk	434.05	68.53
12 55 13 00-0005 Floor Supported Single Bunks (12 55 13)		
Note: 14 Gauge center pan, 10 gauge steel brackets, 10 gauge formed steel legs, painted.		
12 55 13 00-0006 EA 27" Wide x 80" Long x 12" High Floor Mounted Bunk	355.78	68.53
12 55 13 00-0007 EA 32" Wide x 80" Long x 12" High Floor Mounted Bunk	401.82	68.53
12 55 13 00-0008 EA 38" Wide x 80" Long x 12" High Floor Mounted Bunk	434.05	68.53
12 55 13 00-0009 EA Floor Mounted Single Bunk, 75" x 27" x 16"H, Up To 20	553.44	88.63
12 55 13 00-0010 EA Floor Mounted Single Bunk, 75" x 27" x 16"H, Over 20	478.20	88.63
12 55 13 00-0011 Floor Mounted Single Bunks (12 55 13)		
Note: 14 Gauge center pan, 10 gauge formed steel legs, painted.		
12 55 13 00-0012 EA 27" Wide x 80" Long x 16" High Floor Mounted Bunk	355.78	68.53
12 55 13 00-0013 EA 32" Wide x 80" Long x 16" High Floor Mounted Bunk	401.82	68.53
12 55 13 00-0014 EA 38" Wide x 80" Long x 16" High Floor Mounted Bunk	434.05	68.53
12 55 13 00-0015 Single Stackable Bunks (12 55 13)		
Note: One piece, 10 gauge formed pan, 10 gauge formed steel legs, painted.		
12 55 13 00-0016 EA 26" Wide x 76" Long x 32" High Stackable Bunk	364.99	68.53
12 55 13 00-0017 EA 31" Wide x 76" Long x 32" High Stackable Bunk	378.80	68.53
12 55 13 00-0018 Double Bunks (12 55 13)		
Note: 14 Gauge center pans, 10 gauge formed steel legs, painted.		
12 55 13 00-0019 EA 27" Wide x 80" Long x 52" High Double Bunk	631.66	91.37
12 55 13 00-0020 EA 32" Wide x 80" Long x 52" High Double Bunk	640.87	91.37
12 55 13 00-0021 EA 38" Wide x 80" Long x 52" High Double Bunk	680.00	91.37
12 55 13 00-0022 EA Double Bunk Bed, 75" x 27", Up To 20	867.78	132.95
12 55 13 00-0023 EA Double Bunk Bed, 75" x 27", Over 20	792.54	132.95
12 55 13 00-0024 Non-Removable Storage Drawers For Bunks/Beds (12 55 13)		
Note: 14 Gauge drawer with 10 gauge formed steel guides, painted.		
12 55 13 00-0025 EA 16" Long x 15" Wide x 7.75" Deep Non Removable Storage Drawer	158.30	34.26
12 55 13 00-0026 EA 24" Long x 23" Wide x 10" Deep Non Removable Storage Drawer	254.94	36.54
12 55 13 00-0027 Expanded Metal Convertible Beds (12 55 13)		
Note: 1/2" #13 Flattened expanded metal pans, welded inside 2" x 1-1/2" x 3/16" angle iron frames, 10 gauge formed steel legs with floor mount, 1-1/2" 10 gauge bracing between leg assembly and frame.		
12 55 13 00-0028 EA 27" Wide x 80" Long x 24" High Expanded Metal Convertible Bed	366.02	68.53
12 55 13 00-0029 EA 32" Wide x 80" Long x 24" High Expanded Metal Convertible Bed	385.11	68.53
12 55 13 00-0030 EA 38" Wide x 80" Long x 24" High Expanded Metal Convertible Bed	404.19	68.53
12 55 13 00-0031 EA Adapter Kit For Converting Single Bed To Double Deck	51.45	
12 55 16 Detention Desks (12 55)		
12 55 16 00-0001 Heavy Duty Desk With Swing Arm Seat (12 55 16)		
Note: Includes 12" diameter 11 gauge stainless steel seat, cast iron swing arm, 10 gauge shelves, stainless steel towel bar, 10 gauge steel foot rest, painted.		
12 55 16 00-0002 EA 36.5" Long x 15.5" Deep x 30" High Desk With Swing Arm Seat, 10 Gauge Steel Top	540.20	73.09
12 55 16 00-0003 EA 36.5" Long x 15.5" Deep x 30" High Desk With Swing Arm Seat, 11 Gauge Stainless Steel Top	667.55	73.09
12 55 16 00-0004 Institutional Desk And Seat (12 55 16)		

12	Furnishings
12 50	Furniture
12 55	Detention Furniture



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 55 16 00-0005 EA Institutional Desk And Seat, Up To 20.....	703.90	88.63
12 55 16 00-0006 EA Institutional Desk And Seat, Over 20.....	628.67	88.63
12 55 16 00-0007 EA Institutional Desk, Up To 20.....	628.67	88.63
12 55 16 00-0008 EA Institutional Desk, Over 20.....	553.44	88.63
12 55 19 Detention Stools (12 55)		
12 55 19 00-0001 Heavy Duty Steel Bench (12 55 19)		
Note: 10 Gauge formed steel seat with rounded corners and edges, painted.		
12 55 19 00-0002 EA 48" Long x 18" High x 12" Wide Steel Bench.....	337.59	54.82
12 55 19 00-0003 EA 72" Long x 18" High x 12" Wide Steel Bench.....	406.58	59.38
12 55 19 00-0004 EA 96" Long x 18" High x 12" Wide Steel Bench.....	450.16	63.95
12 55 19 00-0005 Stationary Stools (12 55 19)		
Note: 12" Diameter 11 gauge stainless steel seat, 18" high, 2" schedule 40 steel pipe with welded 6" x 6" 10 gauge steel base plate bolted to floor.		
12 55 19 00-0006 EA 12" Diameter Stainless Steel Stationary Stool, 18" High.....	183.41	54.82
12 55 19 00-0007 EA Floor Mounted Stool, 8" x 8" x 20"H, Up To 20.....	194.38	35.45
12 55 19 00-0008 EA Floor Mounted Stool, 8" x 8" x 20"H, Over 20.....	206.49	35.45
12 55 19 00-0009 EA Wall Mounted Swivel Stool, Up To 20.....	269.19	44.32
12 55 19 00-0010 EA Wall Mounted Swivel Stool, Over 20.....	224.05	44.32
12 55 19 00-0011 Cell Bench (12 55 19)		
Note: 1-3/4" Thick red oak bench top, polyurethane finish.		
12 55 19 00-0012 EA 48" Long x 12" Wide Cell Bench, Red Oak.....	319.12	54.91
12 55 19 00-0013 EA 72" Long x 12" Wide Cell Bench, Red Oak.....	383.26	59.38
12 55 19 00-0014 EA 96" Long x 12" Wide Cell Bench, Red Oak.....	424.04	63.95
12 55 23 Detention Tables (12 55)		
12 55 23 00-0001 Wall Mounted Table And Seat Set (12 55 23)		
Note: 7 Gauge steel, painted.		
12 55 23 00-0002 EA 18" x 12" Wall Mounted Table And Seat Set.....	157.15	38.84
12 55 23 00-0003 Heavy Duty Picnic Style Table (12 55 23)		
Note: 10 Gauge steel, painted.		
12 55 23 00-0004 EA 48" Long x 50" Wide x 30" High Steel Picnic - Style Table.....	885.22	68.53
12 55 23 00-0005 EA 72" Long x 50" Wide x 30" High Steel Picnic - Style Table.....	1,124.54	73.09
12 55 23 00-0006 EA 96" Long x 50" Wide x 30" High Steel Picnic - Style Table.....	1,253.35	79.94
12 55 23 00-0007 EA Picnic Table, 72" x 24" Up To 20.....	1,288.16	119.66
12 55 23 00-0008 EA Picnic Table, 72" x 24" Over 20.....	1,137.69	119.66
12 55 23 00-0009 Heavy Duty Picnic Style Table (12 55 23)		
Note: 11 Gauge stainless steel top and benches with 10 gauge steel table base parts, painted.		
12 55 23 00-0010 EA 48" Long x 50" Wide x 30" High Stainless Steel Picnic - Style Table.....	812.84	68.53
12 55 23 00-0011 EA 72" Long x 50" Wide x 30" High Stainless Steel Picnic - Style Table.....	1,131.68	73.09
12 55 23 00-0012 EA 96" Long x 50" Wide x 30" High Stainless Steel Picnic - Style Table.....	1,201.71	79.94
12 55 23 00-0013 Heavy Duty Pedestal Style Table (12 55 23)		
Note: 10 Gauge steel table top with 11 gauge stainless steel, 12" diameter table seats, painted.		
12 55 23 00-0014 EA 24" Long x 59" Wide x 30" High Steel Pedestal Table.....	781.75	57.10
12 55 23 00-0015 EA 65" Long x 65" Wide x 30" High Steel Pedestal Table.....	1,262.78	61.67
12 55 23 00-0016 EA 65" Long x 87" Wide x 30" High Steel Pedestal Table.....	1,863.53	68.53
12 55 23 00-0017 EA 12" Diameter Stainless Steel Replacement Seat.....	39.71	9.13
12 55 23 00-0018 Heavy Duty Pedestal Style Table (12 55 23)		
Note: 11 Gauge stainless steel table top with 11 gauge stainless steel, 12" diameter table seats, painted.		
12 55 23 00-0019 EA 24" Long x 59" Wide x 30" High Stainless Steel Pedestal Table.....	536.54	57.10
12 55 23 00-0020 EA 65" Long x 65" Wide x 30" High Stainless Steel Pedestal Table.....	883.55	61.67
12 55 23 00-0021 EA 65" Long x 87" Wide x 30" High Stainless Steel Pedestal Table.....	1,257.70	68.53
12 55 23 00-0022 EA 12" Diameter Gray-Primed Steel Replacement Seats.....	31.30	9.13
12 55 23 00-0023 EA 4-MFIN, Pedestal Table, 39-1/2" x 39-1/2" Stainless Steel Table Top, Up To 20.....	1,102.24	101.93
12 55 23 00-0024 EA 4-MFIN, Pedestal Table, 39-1/2" x 39-1/2" Stainless Steel Table Top, Over 20.....	951.77	101.93
12 55 23 00-0025 EA 6-MRN, Pedestal Table, 63-1/2" x 39-1/2" Stainless Steel Table Top, Up To 20.....	1,420.91	110.79
12 55 23 00-0026 EA 6-MRN, Pedestal Table, 63-1/2" x 39-1/2" Stainless Steel Table Top, Over 20.....	1,270.44	110.79
12 55 23 00-0027 EA 8-MON, Pedestal Table, 87-1/2" x 39-1/2" Stainless Steel Table Top, Up To 20.....	2,040.51	119.66
12 55 23 00-0028 EA 8-MON, Pedestal Table, 87-1/2" x 39-1/2" Stainless Steel Table Top, Up To 20.....	1,739.57	119.66
12 55 26 Detention Safety Clothes Hooks (12 55)		
12 55 26 00-0001 EA Collapsible Clothes Hook, Screw Type.....	53.93	19.79
12 55 26 00-0002 EA Collapsible Clothes Hook, Weld-On Type.....	49.23	18.28
12 55 26 00-0003 EA 8" x 18" Storage Shelf.....	202.52	36.54
Note: With four collapsible clothes hooks on 11" x 18" back plate, welded steel plates, anchors.		



Furnishings	12	
Furniture	12 50	12
Detention Furniture	12 55	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 55 26 00-0004 EA Shelf With Safety Clothes Hook, 16"Wx8"Deep, Up To 20	221.38	35.45
12 55 26 00-0005 EA Shelf With Safety Clothes Hook, 16"Wx8"Deep, Over 20	183.76	35.45
12 55 26 00-0006 EA Safety Clothes Hook, Up To 20	92.54	19.95
12 55 26 00-0007 EA Safety Clothes Hook, Over 20	107.52	19.95

12 55 86 Detention Control Room Furniture (12 55)

12 55 86 00-0001 EA TV Wall Mount, 22-1/4" Wide x 13-1/2" Deep Tray, Single-Arm	199.82	74.22
12 55 86 00-0002 EA Wall Mounted TV Shelf, 24"W x 24"Deep, Up To 20	433.89	66.48
12 55 86 00-0003 EA Wall Mounted TV Shelf, 24"W x 24"Deep, Over 20	396.27	66.48
12 55 86 00-0004 EA Speaking Device With 6" Diameter Stainless Steel Cover Plates	956.00	26.59
Note: Includes neoprene gaskets, baffle, wire cloth and security screws.		
12 55 86 00-0005 EA 1" Diameter, 3/16" Thick, Stainless Steel Shower Curtain Rod With 12 Gauge Hooks	420.50	22.16
12 55 86 00-0006 LF 20" Depth, 10 Gauge Steel, Wall Mounted Bench	207.15	13.30
12 55 86 00-0007 LF 20" Depth, 10 Gauge Steel, Floor Mounted Bench	247.86	11.08

12 59 Systems Furniture (12 50)

12 59 13 Panel-Hung Component System Furniture (12 59)

12 59 13 00-0001 Open Office Systems Furniture Components (12 59 13)

Note: Excludes electrical wire and wiring devices. See CSI section 26 05 19 13-0001 for wire, 26 05 19 16-0011 for wire, 26 27 26 00-0000 for wiring devices.

12 59 13 00-0002 EA 34H 24W Fabric Covered Panel - Component Systems Furniture	168.97	19.84
For Tackable Acoustical Barrier Panel, Add	27.46	
For Acoustical Panel, Add	29.85	
For Enameled Surface, Deduct	-11.94	
12 59 13 00-0003 EA 34H 30W Fabric Covered Panel - Component Systems Furniture	187.81	22.08
For Tackable Acoustical Barrier Panel, Add	30.52	
For Acoustical Panel, Add	33.18	
For Enameled Surface, Deduct	-13.27	
12 59 13 00-0004 EA 34H 36W Fabric Covered Panel - Component Systems Furniture	200.81	23.52
For Tackable Acoustical Barrier Panel, Add	32.63	
For Acoustical Panel, Add	35.47	
For Enameled Surface, Deduct	-14.19	
12 59 13 00-0005 EA 34H 48W Fabric Covered Panel - Component Systems Furniture	225.00	26.41
For Tackable Acoustical Barrier Panel, Add	36.57	
For Acoustical Panel, Add	39.75	
For Enameled Surface, Deduct	-15.90	
12 59 13 00-0006 EA 42H 24W Fabric Covered Panel - Component Systems Furniture	171.65	20.13
For Tackable Acoustical Barrier Panel, Add	27.90	
For Acoustical Panel, Add	30.32	
For Enameled Surface, Deduct	-12.13	
12 59 13 00-0007 EA 42H 30W Fabric Covered Panel - Component Systems Furniture	194.06	22.73
For Tackable Acoustical Barrier Panel, Add	31.54	
For Acoustical Panel, Add	34.28	
For Enameled Surface, Deduct	-13.71	
12 59 13 00-0008 EA 42H 36W Fabric Covered Panel - Component Systems Furniture	217.37	25.55
For Tackable Acoustical Barrier Panel, Add	35.33	
For Acoustical Panel, Add	38.40	
For Enameled Surface, Deduct	-15.36	
12 59 13 00-0009 EA 42H 48W Fabric Covered Panel - Component Systems Furniture	255.47	29.95
For Tackable Acoustical Barrier Panel, Add	41.52	
For Acoustical Panel, Add	45.13	
For Enameled Surface, Deduct	-18.05	
12 59 13 00-0010 EA 62H 12W Fabric Covered Panel - Component Systems Furniture	165.39	19.41
For Tackable Acoustical Barrier Panel, Add	26.88	
For Acoustical Panel, Add	29.22	
For Enameled Surface, Deduct	-11.69	
12 59 13 00-0011 EA 62H 24W Fabric Covered Panel - Component Systems Furniture	203.49	23.88
For Tackable Acoustical Barrier Panel, Add	33.07	
For Acoustical Panel, Add	35.95	
For Enameled Surface, Deduct	-14.38	
12 59 13 00-0012 EA 62H 36W Fabric Covered Panel - Component Systems Furniture	254.60	29.87
For Tackable Acoustical Barrier Panel, Add	41.37	
For Acoustical Panel, Add	44.97	
For Enameled Surface, Deduct	-17.99	
12 59 13 00-0013 EA 62H 48W Fabric Covered Panel - Component Systems Furniture	304.76	35.72
For Tackable Acoustical Barrier Panel, Add	49.53	
For Acoustical Panel, Add	53.84	
For Enameled Surface, Deduct	-21.54	
12 59 13 00-0014 EA 34" Draw Rod Panel Connector Hardware	9.23	1.08
12 59 13 00-0015 EA 42" Draw Rod Panel Connector Hardware	9.23	1.08
12 59 13 00-0016 EA 62" Draw Rod Panel Connector Hardware	9.85	1.15
12 59 13 00-0017 EA 34" Two-Way 90 Degree Panel Connector Hardware	42.45	4.98
12 59 13 00-0018 EA 42" Two-Way 90 Degree Panel Connector Hardware	49.22	5.78
12 59 13 00-0019 EA 62" Two-Way 90 Degree Panel Connector Hardware	56.60	6.64
12 59 13 00-0020 EA 34" Three-Way 90 Degree Panel Connector Hardware	65.82	7.72
12 59 13 00-0021 EA 42" Three-Way 90 Degree Panel Connector Hardware	76.28	8.95
12 59 13 00-0022 EA 62" Three-Way 90 Degree Panel Connector Hardware	88.59	10.39
12 59 13 00-0023 EA 34" Four-Way 90 Degree Panel Connector Hardware	83.04	9.74
12 59 13 00-0024 EA 42" Four-Way 90 Degree Panel Connector Hardware	97.20	11.40
12 59 13 00-0025 EA 62" Four-Way 90 Degree Panel Connector Hardware	116.88	13.71



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 59 13 00-0026 EA 34" Panel End Cap Hardware	14.15	1.65
12 59 13 00-0027 EA 42" Panel End Cap Hardware	15.99	1.88
12 59 13 00-0028 EA 62" Panel End Cap Hardware	17.23	2.02
12 59 13 00-0029 EA 28" Variable Height Panel End Filler	15.61	1.88
Note: Field cut to appropriate length.		
12 59 13 00-0030 EA Two-Way Trim Cover For Cable Management Raceway	8.04	0.94
12 59 13 00-0031 EA Three-Way Trim Cover For Cable Management Raceway	8.48	1.01
12 59 13 00-0032 EA Four-Way Trim Cover For Cable Management Raceway	9.81	1.15
12 59 13 00-0033 EA Finished End Trim Cover For Cable Management Raceway	8.04	0.94
12 59 13 00-0034 EA 12" Cable Management Raceway Assembly	16.50	1.95
Note: Includes base plate, two side covers, and 2 side cover fillers.		
12 59 13 00-0035 EA 24" Cable Management Raceway Assembly	18.74	2.17
Note: Includes base plate, two side covers, and 2 side cover fillers.		
12 59 13 00-0036 EA 30" Cable Management Raceway Assembly	19.18	2.24
Note: Includes base plate, two side covers, and 2 side cover fillers.		
12 59 13 00-0037 EA 36" Cable Management Raceway Assembly	21.41	2.53
Note: Includes base plate, two side covers, and 2 side cover fillers.		
12 59 13 00-0038 EA 48" Cable Management Raceway Assembly	24.08	2.82
Note: Includes base plate, two side covers, and 2 side cover fillers.		
12 59 13 00-0039 EA 24" x 36" Radiused Edge Rectangular Hanging Work Surface	129.52	15.16
12 59 13 00-0040 EA 30" x 36" Radiused Edge Rectangular Hanging Work Surface	159.56	18.69
12 59 13 00-0041 EA 24" x 48" Radiused Edge Rectangular Hanging Work Surface	150.59	17.68
12 59 13 00-0042 EA 30" x 48" Radiused Edge Rectangular Hanging Work Surface	188.26	22.08
12 59 13 00-0043 EA 24" x 60" Radiused Edge Rectangular Hanging Work Surface	190.03	22.30
12 59 13 00-0044 EA 30" x 60" Radiused Edge Rectangular Hanging Work Surface	239.34	28.14
12 59 13 00-0045 EA 24" x 72" Radiused Edge Rectangular Hanging Work Surface	230.81	27.06
12 59 13 00-0046 EA 30" x 72" Radiused Edge Rectangular Hanging Work Surface	289.97	33.99
12 59 13 00-0047 EA 30" x 60" Radiused Edge Table	515.11	60.47
12 59 13 00-0048 EA 30" x 72" Radiused Edge Table	562.94	66.10
12 59 13 00-0049 EA 14" x 24" Radiused Edge Transaction Surface	61.85	7.29
12 59 13 00-0050 EA 14" x 36" Radiused Edge Transaction Surface	70.36	8.22
12 59 13 00-0051 EA 14" x 48" Radiused Edge Transaction Surface	78.88	9.24
12 59 13 00-0052 EA 14" x 60" Radiused Edge Transaction Surface	98.15	11.54
12 59 13 00-0053 EA 14" x 72" Radiused Edge Transaction Surface	117.87	13.85
12 59 13 00-0054 EA 14" Right Angle Corner Transaction Surface	206.19	24.17
12 59 13 00-0055 EA Transaction Surface Support	16.32	1.92
12 59 13 00-0056 EA Plastic Pencil Drawer	17.68	1.88
12 59 13 00-0057 EA 15-1/2" x 24" Hanging Shelf	60.21	7.07
12 59 13 00-0058 EA 15-1/2" x 36" Hanging Shelf	65.57	7.65
12 59 13 00-0059 EA 15-1/2" x 48" Hanging Shelf	70.02	8.22
12 59 13 00-0060 EA 24" Flipper Door - Top And Front Closure	103.92	12.20
Note: Used with hanging shelf.		
12 59 13 00-0061 EA 36" Flipper Door - Top And Front Closure	121.31	14.28
Note: Used with hanging shelf.		
12 59 13 00-0062 EA 48" Flipper Door - Top And Front Closure	139.15	16.31
Note: Used with hanging shelf.		
12 59 13 00-0063 EA 24" Suspended Lateral File, Lockable	358.14	41.82
12 59 13 00-0064 EA 30" Suspended Lateral File, Lockable	378.25	44.17
12 59 13 00-0065 EA 36" Suspended Lateral File, Lockable	399.12	46.60
12 59 13 00-0066 EA 48" Suspended Lateral File, Lockable	436.52	50.97
12 59 13 00-0067 EA Fully Adjustable Vinyl Keyboard Tray	162.35	19.05
12 59 13 00-0068 EA Palm Rest For Vinyl Keyboard Tray	25.41	3.03
12 59 13 00-0069 EA 24" x 36" Radiused Edge Corner Work Surface	205.11	24.10
12 59 13 00-0070 EA File Drawer Organizer	66.02	7.72
12 59 13 00-0071 EA Suspended Lateral File Converter Bracket	14.26	1.65
12 59 13 00-0072 EA Utility Task Light	71.36	8.38

12 59 13 00-0073 Disassemble And Store Systems Furniture Components (12 59 13)

12 59 13 00-0074 EA Disassemble And Store 34H 24W Fabric Covered Panel	24.79	
12 59 13 00-0075 EA Disassemble And Store 34H 30W Fabric Covered Panel	27.56	
12 59 13 00-0076 EA Disassemble And Store 34H 36W Fabric Covered Panel	29.47	
12 59 13 00-0077 EA Disassemble And Store 34H 48W Fabric Covered Panel	33.02	
12 59 13 00-0078 EA Disassemble And Store 42H 24W Fabric Covered Panel	25.20	
12 59 13 00-0079 EA Disassemble And Store 42H 30W Fabric Covered Panel	28.48	
12 59 13 00-0080 EA Disassemble And Store 42H 36W Fabric Covered Panel	31.91	
12 59 13 00-0081 EA Disassemble And Store 42H 48W Fabric Covered Panel	37.49	
12 59 13 00-0082 EA Disassemble And Store 62H 12W Fabric Covered Panel	24.27	
12 59 13 00-0083 EA Disassemble And Store 62H 24W Fabric Covered Panel	29.86	
12 59 13 00-0084 EA Disassemble And Store 62H 36W Fabric Covered Panel	37.36	
12 59 13 00-0085 EA Disassemble And Store 62H 48W Fabric Covered Panel	44.74	
12 59 13 00-0086 EA Disassemble And Store 34" Draw Rod Panel Connector Hardware	1.35	
12 59 13 00-0087 EA Disassemble And Store 42" Draw Rod Panel Connector Hardware	1.35	
12 59 13 00-0088 EA Disassemble And Store 62" Draw Rod Panel Connector Hardware	1.44	
12 59 13 00-0089 EA Disassemble And Store 34" Two-Way 90 Degree Panel Connector Hardware	6.23	
12 59 13 00-0090 EA Disassemble And Store 42" Two-Way 90 Degree Panel Connector Hardware	7.22	
12 59 13 00-0091 EA Disassemble And Store 62" Two-Way 90 Degree Panel Connector Hardware	8.31	
12 59 13 00-0092 EA Disassemble And Store 34" Three-Way 90 Degree Panel Connector Hardware	9.66	
12 59 13 00-0093 EA Disassemble And Store 42" Three-Way 90 Degree Panel Connector Hardware	11.19	
12 59 13 00-0094 EA Disassemble And Store 62" Three-Way 90 Degree Panel Connector Hardware	13.00	
12 59 13 00-0095 EA Disassemble And Store 34" Four-Way 90 Degree Panel Connector Hardware	12.19	
12 59 13 00-0096 EA Disassemble And Store 42" Four-Way 90 Degree Panel Connector Hardware	14.26	



Furnishings	12
Furniture	12 50
Systems Furniture	12 59

12

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 59 13 00-0097 EA Disassemble And Store 62" Four-Way 90 Degree Panel Connector Hardware.....	17.15	
12 59 13 00-0098 EA Disassemble And Store 34" Panel End Cap Hardware.....	2.08	
12 59 13 00-0099 EA Disassemble And Store 42" Panel End Cap Hardware.....	2.35	
12 59 13 00-0100 EA Disassemble And Store 62" Panel End Cap Hardware.....	2.53	
12 59 13 00-0101 EA Disassemble And Store Variable Height Panel End Filler.....	2.29	
12 59 13 00-0102 EA Disassemble And Store Two-Way Trim Cover For Cable Management Raceway	1.18	
12 59 13 00-0103 EA Disassemble And Store Three-Way Trim Cover For Cable Management Raceway	1.24	
12 59 13 00-0104 EA Disassemble And Store Four-Way Trim Cover For Cable Management Raceway	1.44	
12 59 13 00-0105 EA Disassemble And Store Finished End Trim Cover For Cable Management Raceway.....	1.18	
12 59 13 00-0106 EA Disassemble And Store 12" Cable Management Raceway Assembly.....	2.42	
12 59 13 00-0107 EA Disassemble And Store 24" Cable Management Raceway Assembly.....	2.75	
12 59 13 00-0108 EA Disassemble And Store 30" Cable Management Raceway Assembly.....	2.82	
12 59 13 00-0109 EA Disassemble And Store 36" Cable Management Raceway Assembly.....	3.14	
12 59 13 00-0110 EA Disassemble And Store 48" Cable Management Raceway Assembly.....	3.53	
12 59 13 00-0111 EA Disassemble And Store 24" x 36" Radiused Edge Rectangular Hanging Work Surface	19.01	
12 59 13 00-0112 EA Disassemble And Store 30" x 36" Radiused Edge Rectangular Hanging Work Surface	23.42	
12 59 13 00-0113 EA Disassemble And Store 24" x 48" Radiused Edge Rectangular Hanging Work Surface	22.11	
12 59 13 00-0114 EA Disassemble And Store 30" x 48" Radiused Edge Rectangular Hanging Work Surface	27.62	
12 59 13 00-0115 EA Disassemble And Store 24" x 60" Radiused Edge Rectangular Hanging Work Surface	27.89	
12 59 13 00-0116 EA Disassemble And Store 30" x 60" Radiused Edge Rectangular Hanging Work Surface	35.13	
12 59 13 00-0117 EA Disassemble And Store 24" x 72" Radiused Edge Rectangular Hanging Work Surface	33.87	
12 59 13 00-0118 EA Disassemble And Store 30" x 72" Radiused Edge Rectangular Hanging Work Surface	42.56	
12 59 13 00-0119 EA Disassemble And Store 30" x 60" Radiused Edge Table.....	65.73	
12 59 13 00-0120 EA Disassemble And Store 30" x 72" Radiused Edge Table.....	82.60	
12 59 13 00-0121 EA Disassemble And Store 14" x 24" Radiused Edge Transaction Surface.....	9.08	
12 59 13 00-0122 EA Disassemble And Store 14" x 36" Radiused Edge Transaction Surface.....	10.33	
12 59 13 00-0123 EA Disassemble And Store 14" x 48" Radiused Edge Transaction Surface.....	11.57	
12 59 13 00-0124 EA Disassemble And Store 14" x 60" Radiused Edge Transaction Surface.....	14.40	
12 59 13 00-0125 EA Disassemble And Store 14" x 72" Radiused Edge Transaction Surface.....	17.30	
12 59 13 00-0126 EA Disassemble And Store 14" Right Angle Corner Transaction Surface.....	30.26	
12 59 13 00-0127 EA Disassemble And Store Transaction Surface Support.....	2.39	
12 59 13 00-0128 EA Disassemble And Store Plastic Pencil Drawer.....	2.36	
12 59 13 00-0129 EA Disassemble And Store 15-1/2" x 24" Hanging Shelf	8.84	
12 59 13 00-0130 EA Disassemble And Store 15-1/2" x 36" Hanging Shelf	9.62	
12 59 13 00-0131 EA Disassemble And Store 15-1/2" x 48" Hanging Shelf	10.28	
12 59 13 00-0132 EA Disassemble And Store 24" Flipper Door And Shelf	15.25	
12 59 13 00-0133 EA Disassemble And Store 36" Flipper Door And Shelf	17.80	
12 59 13 00-0134 EA Disassemble And Store 48" Flipper Door And Shelf.....	20.42	
12 59 13 00-0135 EA Disassemble And Store 24" Suspended Lateral File	52.27	
12 59 13 00-0136 EA Disassemble And Store 30" Suspended Lateral File	55.21	
12 59 13 00-0137 EA Disassemble And Store 36" Suspended Lateral File	58.25	
12 59 13 00-0138 EA Disassemble And Store 48" Suspended Lateral File	63.71	
12 59 13 00-0139 EA Disassemble And Store Fully Adjustable Vinyl Keyboard Tray.....	23.83	
12 59 13 00-0140 EA Disassemble And Store 24" x 36" Radiused Edge Corner Work Surface	30.10	
12 59 13 00-0141 EA Disassemble And Store Utility Task Light.....	10.47	
12 59 13 00-0142 Reconfigure Systems Furniture Components (12 59 13)		
12 59 13 00-0143 EA Reconfigure 34H 24W Fabric Covered Panel.....	26.44	
12 59 13 00-0144 EA Reconfigure 34H 30W Fabric Covered Panel.....	29.39	
12 59 13 00-0145 EA Reconfigure 34H 36W Fabric Covered Panel.....	31.41	
12 59 13 00-0146 EA Reconfigure 34H 48W Fabric Covered Panel.....	35.21	
12 59 13 00-0147 EA Reconfigure 42H 24W Fabric Covered Panel.....	26.86	
12 59 13 00-0148 EA Reconfigure 42H 30W Fabric Covered Panel.....	30.36	
12 59 13 00-0149 EA Reconfigure 42H 36W Fabric Covered Panel.....	34.01	
12 59 13 00-0150 EA Reconfigure 42H 48W Fabric Covered Panel.....	39.97	
12 59 13 00-0151 EA Reconfigure 62H 12W Fabric Covered Panel.....	25.88	
12 59 13 00-0152 EA Reconfigure 62H 24W Fabric Covered Panel.....	31.84	
12 59 13 00-0153 EA Reconfigure 62H 36W Fabric Covered Panel.....	39.83	
12 59 13 00-0154 EA Reconfigure 62H 48W Fabric Covered Panel.....	47.68	
12 59 13 00-0155 EA Reconfigure 34" Draw Rod Panel Connector Hardware	1.44	
12 59 13 00-0156 EA Reconfigure 42" Draw Rod Panel Connector Hardware	1.44	
12 59 13 00-0157 EA Reconfigure 62" Draw Rod Panel Connector Hardware	1.54	
12 59 13 00-0158 EA Reconfigure 34" Two-Way 90 Degree Panel Connector Hardware	6.64	
12 59 13 00-0159 EA Reconfigure 42" Two-Way 90 Degree Panel Connector Hardware	7.70	
12 59 13 00-0160 EA Reconfigure 62" Two-Way 90 Degree Panel Connector Hardware	8.86	
12 59 13 00-0161 EA Reconfigure 34" Three-Way 90 Degree Panel Connector Hardware.....	10.30	
12 59 13 00-0162 EA Reconfigure 42" Three-Way 90 Degree Panel Connector Hardware.....	11.94	
12 59 13 00-0163 EA Reconfigure 62" Three-Way 90 Degree Panel Connector Hardware.....	13.86	
12 59 13 00-0164 EA Reconfigure 34" Four-Way 90 Degree Panel Connector Hardware.....	13.00	
12 59 13 00-0165 EA Reconfigure 42" Four-Way 90 Degree Panel Connector Hardware.....	15.21	
12 59 13 00-0166 EA Reconfigure 62" Four-Way 90 Degree Panel Connector Hardware.....	18.29	
12 59 13 00-0167 EA Reconfigure 34" Panel End Cap Hardware.....	2.22	
12 59 13 00-0168 EA Reconfigure 42" Panel End Cap Hardware.....	2.51	
12 59 13 00-0169 EA Reconfigure 62" Panel End Cap Hardware.....	2.70	
12 59 13 00-0170 EA Reconfigure Variable Height Panel End Filler.....	2.44	
12 59 13 00-0171 EA Reconfigure Two-Way Trim Cover For Cable Management Raceway	1.25	
12 59 13 00-0172 EA Reconfigure Three-Way Trim Cover For Cable Management Raceway.....	1.32	
12 59 13 00-0173 EA Reconfigure Four-Way Trim Cover For Cable Management Raceway	1.53	
12 59 13 00-0174 EA Reconfigure Finished End Trim Cover For Cable Management Raceway.....	1.25	
12 59 13 00-0175 EA Reconfigure 12" Cable Management Raceway Assembly.....	2.58	

12 Furnishings**12 50 Furniture****12 59 Systems Furniture**

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

12 59 13 00-0176	EA	Reconfigure 24" Cable Management Raceway Assembly.....	2.93	
12 59 13 00-0177	EA	Reconfigure 30" Cable Management Raceway Assembly.....	3.00	
12 59 13 00-0178	EA	Reconfigure 36" Cable Management Raceway Assembly.....	3.35	
12 59 13 00-0179	EA	Reconfigure 48" Cable Management Raceway Assembly.....	3.77	
12 59 13 00-0180	EA	Reconfigure 24" x 36" Radiused Edge Rectangular Hanging Work Surface.....	20.27	
12 59 13 00-0181	EA	Reconfigure 30" x 36" Radiused Edge Rectangular Hanging Work Surface.....	24.97	
12 59 13 00-0182	EA	Reconfigure 24" x 48" Radiused Edge Rectangular Hanging Work Surface.....	23.56	
12 59 13 00-0183	EA	Reconfigure 30" x 48" Radiused Edge Rectangular Hanging Work Surface.....	29.45	
12 59 13 00-0184	EA	Reconfigure 24" x 60" Radiused Edge Rectangular Hanging Work Surface.....	29.74	
12 59 13 00-0185	EA	Reconfigure 30" x 60" Radiused Edge Rectangular Hanging Work Surface.....	37.45	
12 59 13 00-0186	EA	Reconfigure 24" x 72" Radiused Edge Rectangular Hanging Work Surface.....	36.12	
12 59 13 00-0187	EA	Reconfigure 30" x 72" Radiused Edge Rectangular Hanging Work Surface.....	45.38	
12 59 13 00-0188	EA	Reconfigure 30" x 60" Radiused Edge Table.....	80.61	
12 59 13 00-0189	EA	Reconfigure 30" x 72" Radiused Edge Table.....	88.09	
12 59 13 00-0190	EA	Reconfigure 14" x 24" Radiused Edge Transaction Surface.....	9.68	
12 59 13 00-0191	EA	Reconfigure 14" x 36" Radiused Edge Transaction Surface.....	11.01	
12 59 13 00-0192	EA	Reconfigure 14" x 48" Radiused Edge Transaction Surface.....	12.35	
12 59 13 00-0193	EA	Reconfigure 14" x 60" Radiused Edge Transaction Surface.....	15.36	
12 59 13 00-0194	EA	Reconfigure 14" x 72" Radiused Edge Transaction Surface.....	18.45	
12 59 13 00-0195	EA	Reconfigure 14" Right Angle Corner Transaction Surface.....	32.26	
12 59 13 00-0196	EA	Reconfigure Transaction Surface Support.....	2.55	
12 59 13 00-0197	EA	Reconfigure 15-1/2" x 24" Hanging Shelf.....	9.42	
12 59 13 00-0198	EA	Reconfigure 15-1/2" x 36" Hanging Shelf.....	10.26	
12 59 13 00-0199	EA	Reconfigure 15-1/2" x 48" Hanging Shelf.....	10.95	
12 59 13 00-0200	EA	Reconfigure 24" Flipper Door And Shelf.....	16.26	
12 59 13 00-0201	EA	Reconfigure 36" Flipper Door And Shelf.....	18.98	
12 59 13 00-0202	EA	Reconfigure 48" Flipper Door And Shelf.....	21.78	
12 59 13 00-0203	EA	Reconfigure 24" Suspended Lateral File.....	55.76	
12 59 13 00-0204	EA	Reconfigure 30" Suspended Lateral File.....	58.89	
12 59 13 00-0205	EA	Reconfigure 36" Suspended Lateral File.....	62.14	
12 59 13 00-0206	EA	Reconfigure 48" Suspended Lateral File.....	67.97	
12 59 13 00-0207	EA	Reconfigure 24" x 36" Radiused Edge Corner Work Surface.....	32.10	

12 60 Multiple Seating (12)**12 61 Fixed Audience Seating (12 60)**

See CSI section 12 01 60 00-0001 for seat repairs.

12 61 13 Upholstered Audience Seating (12 61)**12 61 13 00-0001 Fixed Back Upholstered Audience Seating (12 61 13)**

12 61 13 00-0002	EA	31" Seat Height, Polypropylene, Fixed Back Upholstered Audience Seating (Irwin Marquee 51.12.10.4).....	404.02	38.44
		Note: Polypropylene surfaced back and seat with plywood backed upholstered panels. Comfort curved wood armrests. Powdered coated steel chair platform.		
		<i>For >100, Deduct</i>	-51.98	
		<i>For Table Arm Attachment, Add</i>	50.24	
		<i>For Aisle Panel, Add</i>	86.66	
		<i>For Epoxy Anchoring, Add</i>	15.64	
		<i>For <25, Add</i>	86.52	
12 61 13 00-0003	EA	36" Seat Height, Polypropylene, Fixed Back Upholstered Audience Seating (Irwin Saturn 22.12.00.4).....	514.40	38.44
		Note: Polypropylene surfaced back and seat with plywood backed upholstered panels. Comfort curved polymer armrests. Powdered coated steel chair platform.		
		<i>For >100, Deduct</i>	-69.88	
		<i>For Table Arm Attachment, Add</i>	50.24	
		<i>For Aisle Panel, Add</i>	86.66	
		<i>For Epoxy Anchoring, Add</i>	15.64	
		<i>For <25, Add</i>	116.33	

12 61 16 Molded-Plastic Audience Seating (12 61)**12 61 16 00-0001 Fixed Back Molded-Plastic Audience Seating (12 61 16)**

12 61 16 00-0002	EA	Fixed Back Molded-Plastic Audience Seating (Irwin Patriot 30.52.36.30).....	301.09	38.44
		Note: Impact resistant textured polypropylene seat and back. Laminate surfaced armrests. Powder coated steel chair platform.		
		<i>For >100, Deduct</i>	-35.28	
		<i>For Table Arm Attachment, Add</i>	50.24	
		<i>For Aisle Panel, Add</i>	86.66	
		<i>For Epoxy Anchoring, Add</i>	15.64	
		<i>For <25, Add</i>	58.73	

12 61 19 Plywood/Hardwood Audience Seating (12 61)**12 61 19 00-0001 Fixed Back Plywood/Hardwood Audience Seating (12 61 19)**



Furnishings	12
Multiple Seating	12 60
Fixed Audience Seating	12 61

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 61 19 00-0002 EA Fixed Back Plywood/Hardwood Audience Seating (Irwin Crusader 1.14.86.4).....	443.62	38.44
Note: Stained hardwood armrests, veneered plywood seat, and veneered plywood back. Powder coated steel chair platform.		
For >100, Deduct	-58.40	
For Table Arm Attachment, Add	50.24	
For Aisle Panel, Add	86.66	
For Epoxy Anchoring, Add	15.64	
For <25, Add	97.22	

12 62 Portable-Audience Seating (12 60)

12 62 23 Portable Bleachers (12 62)

12 62 23 00-0001 Metal Bleachers, Outdoor, Portable (12 62 23)
 Note: Average seating is 18".

12 62 23 00-0002 Non-Elevated Portable Aluminum Bleacher (12 62 23 00-0001)

12 62 23 00-0003 SEA 2 To 5 Rows, Non Elevated Portable Aluminum Bleacher Price Per Seat.....	52.13	3.58
For Each "Tip and Roll" Set (Includes Two Fixed Wheels), Add To Total Structure	165.00	
For Each "Flip and Roll" Set (Includes Four Wheels), Add To Total Structure	335.00	

12 62 23 00-0004 Non-Elevated Portable Aluminum Bleacher (12 62 23 00-0001)

12 62 23 00-0005 SEA 5 Rows, Non Elevated Portable Aluminum Bleacher	65.60	3.58
Note: Including side and back fence.		
For Elevated Structure (Includes Additional Front Rail, A Front Walkway With Stairways On Either Side, Double Foot Boards Between Rows), Add	35.00	
12 62 23 00-0006 SEA 6 To 10 Rows, Non Elevated Portable Aluminum Bleacher	73.96	3.76
Note: Including side and back fence.		
For Elevated Structure (Includes Additional Front Rail, A Front Walkway With Stairways On Either Side, Double Foot Boards Between Rows), Add	35.00	
12 62 23 00-0007 SEA 11 To 15 Rows, Non Elevated Portable Aluminum Bleacher.....	77.24	3.93
Note: Including side and back fence.		
For Elevated Structure (Includes Additional Front Rail, A Front Walkway With Stairways On Either Side, Double Foot Boards Between Rows), Add	35.00	

12 62 23 00-0008 Non-Elevated Portable Aluminum Bleacher (12 62 23 00-0001)

12 62 23 00-0009 SEA 5 Rows, Non Elevated Portable Aluminum Bleacher	97.80	4.02
Note: Including side and back fence and center aisle with hand rails.		
For Elevated Structure (Includes Additional Front Rail, A Front Walkway With Stairways On Either Side, Double Foot Boards Between Rows), Add	35.00	
12 62 23 00-0010 SEA 6 To 10 Rows, Non Elevated Portable Aluminum Bleacher.....	110.93	4.23
Note: Including side and back fence and center aisle with hand rails.		
For Elevated Structure (Includes Additional Front Rail, A Front Walkway With Stairways On Either Side, Double Foot Boards Between Rows), Add	35.00	
12 62 23 00-0011 SEA 11 To 15 Rows, Non Elevated Portable Aluminum Bleacher.....	119.98	4.48
Note: Including side and back fence and center aisle with hand rails.		
For Elevated Structure (Includes Additional Front Rail, A Front Walkway With Stairways On Either Side, Double Foot Boards Between Rows), Add	35.00	

END OF SECTION 12

12	12	Furnishings
	12 60	Multiple Seating
	12 62	Portable-Audience Seating



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

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Special Construction	13
Special Facility Components	13 10
Swimming Pools	13 11

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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13 Special Construction

13 10 Special Facility Components ⁽¹³⁾

13 11 Swimming Pools ^(13 10)

13 11 46 Swimming Pool Accessories ^(13 11)

13 11 46 00-0001 Diving Stand ^(13 11 46)

13 11 46 00-0002	EA	Diving Stand, 3 M Galvanized Steel Swimming Pool Equipment.....	17,069.45	2,260.69
13 11 46 00-0003	EA	Diving Stand, 3 M Stainless Steel Swimming Pool Equipment.....	19,991.13	2,260.69
13 11 46 00-0004	EA	Diving Stand, 1 M Galvanized Steel Swimming Pool Equipment.....	9,853.37	904.27
13 11 46 00-0005	EA	Diving Stand, 1 M Stainless Steel Swimming Pool Equipment.....	12,084.99	904.27
13 11 46 00-0006	EA	Diving Stand, 1/2 M Galvanized Steel With Stainless Steel Rails.....	3,677.39	419.58

13 11 46 00-0007 Diving Boards ^(13 11 46)

13 11 46 00-0008	EA	14' Long, Aluminum Diving Boards.....	2,250.62	334.58
		<i>For Wheel Adjuster, Add</i>	<i>108.44</i>	
13 11 46 00-0009	EA	14' Long, Fiberglass Diving Boards.....	1,839.26	334.58
		<i>For Wheel Adjuster, Add</i>	<i>108.44</i>	
13 11 46 00-0010	EA	8' Long, Fiberglass Diving Board.....	1,126.60	277.61
		<i>For Wheel Adjuster, Add</i>	<i>102.11</i>	
13 11 46 00-0011	EA	10' Long, Fiberglass Diving Board.....	1,395.92	296.61
		<i>For Wheel Adjuster, Add</i>	<i>104.21</i>	
13 11 46 00-0012	EA	12' Long, Fiberglass Diving Board.....	1,661.12	316.49
		<i>For Wheel Adjuster, Add</i>	<i>106.40</i>	

13 11 46 00-0013 Heavy Duty Ladders ^(13 11 46)

13 11 46 00-0014	EA	Ladders, 2 Tread, Galvanized Steel Swimming Pool Equipment.....	923.48	129.31
13 11 46 00-0015	EA	Ladders, 2 Tread, Stainless Steel Swimming Pool Equipment.....	1,405.84	129.31
13 11 46 00-0016	EA	Ladders, 4 Tread, Galvanized Steel Swimming Pool Equipment.....	1,061.56	149.21
13 11 46 00-0017	EA	Ladders, 4 Tread, Stainless Steel Swimming Pool Equipment.....	1,725.18	149.21

13 11 46 00-0018 Lifeguard Chair ^(13 11 46)

13 11 46 00-0019	EA	Lifeguard Chair, Galvanized Swimming Pool Equipment.....	2,227.54	334.58
13 11 46 00-0020	EA	Lifeguard Chair, Stainless Steel Swimming Pool Equipment.....	3,195.29	334.58

13 11 46 00-0021 Underwater Lights ^(13 11 46)

13 11 46 00-0022	EA	Lights, Underwater, 12 Volt, With Transformer Swimming Pool Equipment.....	464.69	129.87
13 11 46 00-0023	EA	Lights, Underwater, 110 Volt, Swimming Pool Equipment.....	455.27	129.87

13 11 46 00-0024 Pool Covers ^(13 11 46)

Note: Includes cover straps and tension springs.				
13 11 46 00-0025	SF	Pool Covers, Reinforced Polyethylene.....	11.43	5.06
13 11 46 00-0026	SF	Pool Cover, Vinyl Water Tube.....	11.67	5.06

13 11 46 00-0027 Slides With Water Tube ^(13 11 46)

13 11 46 00-0028	EA	Swim Pool Slide.....	2,213.12	508.65
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13 11 46 00-0029 Curved Slides With Water Tube ^(13 11 46)

13 11 46 00-0030	EA	8 Ft Curved With Continuous Flowing Water.....	1,689.77	692.04
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13 12 Fountains ^(13 10)

13 12 13 Exterior Fountains ^(13 12)

13 12 13 00-0001 Fountains/Aerators ^(13 12 13)

13 12 13 00-0002	EA	1/2 HP Pump, Single Phase With 100' Cord.....	2,236.72	162.25
13 12 13 00-0003	EA	3/4 HP Pump, Single Phase With 100' Cord.....	2,471.71	165.82
13 12 13 00-0004	EA	1 HP Pump, Single Phase With 100' Cord.....	2,504.29	169.83
13 12 13 00-0005	EA	1-1/2 HP Pump, Single Phase With 100' Cord.....	2,627.39	173.84
13 12 13 00-0006	EA	2 HP Pump, Single Phase With 100' Cord.....	2,751.54	178.30
13 12 13 00-0007	EA	5 HP Pump, Three Phase With 200' Cord.....	5,882.28	182.75
13 12 13 00-0008	EA	7-1/2 HP Pump, Three Phase With 200' Cord.....	6,731.01	187.65
13 12 13 00-0009	EA	10 HP Pump, Three Phase With 200' Cord.....	7,466.73	192.56
13 12 13 00-0010	EA	15 HP Pump, Three Phase With 200' Cord.....	9,446.80	197.90
13 12 13 00-0011	EA	Aerator Nozzle.....	532.12	89.15

13	13	Special Construction
	13 20	Special Purpose Rooms
	13 12	Fountains



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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13 20	Special Purpose Rooms ⁽¹³⁾		
13 21	Controlled Environment Rooms ^(13 20)		
13 21 26	Cold Storage Rooms ^(13 21)		
	See CSI section 11 41 23 00-0000 for refrigerated controlled environment rooms.		
13 30	Special Structures ⁽¹³⁾		
13 34	Fabricated Engineered Structures ^(13 30)		
13 34 16	Grandstands And Bleachers ^(13 34)		
13 34 16 13	Grandstands ^(13 34 16)		
13 34 16 13-0001	Permanent Grandstands, Wood Seat, Steel Frame ^(13 34 16 13)		
13 34 16 13-0002	3 To 15 Tiers ^(13 34 16 13-0001)		
13 34 16 13-0003	SEA 3-15 Tier Permanent Grandstand Price Per Seat	66.21	7.15
13 34 16 13-0004	16 To 30 Tiers ^(13 34 16 13-0001)		
13 34 16 13-0005	SEA 16-30 Tier Permanent Grandstand Price Per Seat	100.49	8.05
13 34 19	Metal Building Systems ^(13 34)		
	Note: Includes material, delivery to site, factory design analysis with report, engineered foundation design, shop drawings, and assembly of building on site.		
13 34 19 00-0001	Pre-Engineered Metal Buildings ^(13 34 19)		
	Note: Free standing base buildings have a live load of 12 PSF and a wind load of 16.4 PSF (80 MPH). Includes anchoring and fasteners to concrete foundation. Includes design for foundation footings and piers. Includes a prime coated structural frame, painted steel wall panels 26 gauge, standing seam roof panels 26 gauge, roof 1 in 12 slope. Includes material, delivery to site, lifting equipment (crane) for erection, factory design analysis with report, engineered foundation design, shop drawings, and assembly of building on site. Eave height is measured from the top of slab to the underside of the roof deck. Excludes foundations and slab.		
13 34 19 00-0002	Clear Span Rigid Frame Pre-Engineered Metal Buildings ^(13 34 19 00-0001)		
	Note: Includes a primer coated structural frame, a painted 26 gauge exterior wall and roof.		
13 34 19 00-0003	20' To 30' Wide Clear Span Rigid Frame Pre-Engineered Metal Buildings ^(13 34 19 00-0002)		
13 34 19 00-0004	GSF 10' Eave Height, 20' To 30' Wide, Up To 30' Long Clear Span Rigid Frame Building With 26 Gauge Roofing And Siding.....	24.01	5.99
	For 30' To 49' In Length Only, Add	2.89	
	For 50' To 69' In Length Only, Add	1.58	
	For 70' To 99' In Length Only, Add	0.65	
	For >1 In 12 Slope To 3 In 12 Slope, Add	0.72	
	For >3 In 12 Slope To 5 In 12 Slope, Add	1.20	
	For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.80	
	For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	2.34	
	For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.88	
	For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	4.56	
	For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	5.76	
	For Each SF Of 24 Gauge Wall Panel, Add	0.72	
	For Each SF Of Lap Roof, Deduct	-0.76	
	For Each SF Of Hip Roof, Add	0.76	
	For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0005	GSF 12' Eave Height, 20' To 30' Wide, Up To 30' Long Clear Span Rigid Frame Building With 26 Gauge Roofing And Siding.....	25.55	6.58
	For 30' To 49' In Length Only, Add	2.97	
	For 50' To 69' In Length Only, Add	1.62	
	For 70' To 99' In Length Only, Add	0.67	
	For >1 In 12 Slope To 3 In 12 Slope, Add	0.77	
	For >3 In 12 Slope To 5 In 12 Slope, Add	1.28	
	For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.92	
	For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	2.49	
	For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.07	
	For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	4.85	
	For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	6.13	
	For Each SF Of 24 Gauge Wall Panel, Add	0.76	
	For Each SF Of Lap Roof, Deduct	-0.76	
	For Each SF Of Hip Roof, Add	0.82	
	For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
13 34 19 00-0006 GSF 14' Eave Height, 20' To 30' Wide, Up To 30' Long Clear Span Rigid Frame Building With 26 Gauge Roofing And Siding	27.25	7.27
For 30' To 49' In Length Only, Add	3.06	
For 50' To 69' In Length Only, Add	1.67	
For 70' To 99' In Length Only, Add	0.69	
For >1 In 12 Slope To 3 In 12 Slope, Add	0.82	
For >3 In 12 Slope To 5 In 12 Slope, Add	1.36	
For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	2.04	
For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	2.66	
For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.27	
For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	5.18	
For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	6.54	
For Each SF Of 24 Gauge Wall Panel, Add	0.81	
For Each SF Of Lap Roof, Deduct	-0.76	
For Each SF Of Hip Roof, Add	0.90	
For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0007 GSF 16' Eave Height, 20' To 30' Wide, Up To 30' Long Clear Span Rigid Frame Building With 26 Gauge Roofing And Siding	29.21	7.94
For 30' To 49' In Length Only, Add	3.20	
For 50' To 69' In Length Only, Add	1.75	
For 70' To 99' In Length Only, Add	0.72	
For >1 In 12 Slope To 3 In 12 Slope, Add	0.88	
For >3 In 12 Slope To 5 In 12 Slope, Add	1.46	
For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	2.19	
For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	2.85	
For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.51	
For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	5.55	
For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	7.01	
For Each SF Of 24 Gauge Wall Panel, Add	0.86	
For Each SF Of Lap Roof, Deduct	-0.76	
For Each SF Of Hip Roof, Add	0.97	
For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0008 GSF 18' Eave Height, 20' To 30' Wide, Up To 30' Long Clear Span Rigid Frame Building With 26 Gauge Roofing And Siding	31.26	8.62
For 30' To 49' In Length Only, Add	3.36	
For 50' To 69' In Length Only, Add	1.84	
For 70' To 99' In Length Only, Add	0.76	
For >1 In 12 Slope To 3 In 12 Slope, Add	0.94	
For >3 In 12 Slope To 5 In 12 Slope, Add	1.56	
For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	2.34	
For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	3.05	
For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.75	
For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	5.94	
For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	7.50	
For Each SF Of 24 Gauge Wall Panel, Add	0.92	
For Each SF Of Lap Roof, Deduct	-0.76	
For Each SF Of Hip Roof, Add	1.05	
For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0009 GSF 20' Eave Height, 20' To 30' Wide, Up To 30' Long Clear Span Rigid Frame Building With 26 Gauge Roofing And Siding	33.21	9.26
For 30' To 49' In Length Only, Add	3.53	
For 50' To 69' In Length Only, Add	1.93	
For 70' To 99' In Length Only, Add	0.79	
For >1 In 12 Slope To 3 In 12 Slope, Add	1.00	
For >3 In 12 Slope To 5 In 12 Slope, Add	1.66	
For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	2.49	
For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	3.24	
For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.99	
For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	6.31	
For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	7.97	
For Each SF Of 24 Gauge Wall Panel, Add	0.98	
For Each SF Of Lap Roof, Deduct	-0.76	
For Each SF Of Hip Roof, Add	1.12	
For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0010 GSF 24' Eave Height, 20' To 30' Wide, Up To 30' Long Clear Span Rigid Frame Building With 26 Gauge Roofing And Siding	37.13	10.62
For 30' To 49' In Length Only, Add	3.84	
For 50' To 69' In Length Only, Add	2.09	
For 70' To 99' In Length Only, Add	0.86	
For >1 In 12 Slope To 3 In 12 Slope, Add	1.11	
For >3 In 12 Slope To 5 In 12 Slope, Add	1.86	
For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	2.78	
For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	3.62	
For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	4.46	
For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	7.05	
For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	8.91	
For Each SF Of 24 Gauge Wall Panel, Add	1.09	
For Each SF Of Lap Roof, Deduct	-0.76	
For Each SF Of Hip Roof, Add	1.26	
For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0011 >30' To 50' Wide Clear Span Rigid Frame Pre-Engineered Metal Buildings <small>(13 34 19 00-0002)</small>		

13 Special Construction**13 30 Special Structures****13 34 Fabricated Engineered Structures**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
13 34 19 00-0012 GSF 10' Eave Height, >30' To 50' Wide, Up To 30' Long Clear Span Rigid Frame Building With 26 Gauge Roofing And Siding.....	20.76	4.77
For 30' To 49' In Length Only, Add	2.70	
For 50' To 69' In Length Only, Add	1.47	
For 70' To 99' In Length Only, Add	0.61	
For >1 In 12 Slope To 3 In 12 Slope, Add	0.62	
For >3 In 12 Slope To 5 In 12 Slope, Add	1.04	
For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.56	
For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	2.02	
For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.49	
For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.94	
For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	4.98	
For Each SF Of 24 Gauge Wall Panel, Add	0.63	
For Each SF Of Lap Roof, Deduct	-0.76	
For Each SF Of Hip Roof, Add	0.62	
For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0013 GSF 12' Eave Height, >30' To 50' Wide, Up To 30' Long Clear Span Rigid Frame Building With 26 Gauge Roofing And Siding.....	22.01	5.20
For 30' To 49' In Length Only, Add	2.78	
For 50' To 69' In Length Only, Add	1.52	
For 70' To 99' In Length Only, Add	0.62	
For >1 In 12 Slope To 3 In 12 Slope, Add	0.66	
For >3 In 12 Slope To 5 In 12 Slope, Add	1.10	
For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.65	
For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	2.15	
For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.64	
For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	4.18	
For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	5.28	
For Each SF Of 24 Gauge Wall Panel, Add	0.67	
For Each SF Of Lap Roof, Deduct	-0.76	
For Each SF Of Hip Roof, Add	0.67	
For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0014 GSF 14' Eave Height, >30' To 50' Wide, Up To 30' Long Clear Span Rigid Frame Building With 26 Gauge Roofing And Siding.....	23.07	5.63
For 30' To 49' In Length Only, Add	2.83	
For 50' To 69' In Length Only, Add	1.55	
For 70' To 99' In Length Only, Add	0.64	
For >1 In 12 Slope To 3 In 12 Slope, Add	0.69	
For >3 In 12 Slope To 5 In 12 Slope, Add	1.15	
For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.73	
For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	2.25	
For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.77	
For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	4.38	
For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	5.54	
For Each SF Of 24 Gauge Wall Panel, Add	0.69	
For Each SF Of Lap Roof, Deduct	-0.76	
For Each SF Of Hip Roof, Add	0.72	
For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0015 GSF 16' Eave Height, >30' To 50' Wide, Up To 30' Long Clear Span Rigid Frame Building With 26 Gauge Roofing And Siding.....	24.68	6.12
For 30' To 49' In Length Only, Add	2.98	
For 50' To 69' In Length Only, Add	1.63	
For 70' To 99' In Length Only, Add	0.67	
For >1 In 12 Slope To 3 In 12 Slope, Add	0.74	
For >3 In 12 Slope To 5 In 12 Slope, Add	1.23	
For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.85	
For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	2.41	
For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.96	
For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	4.69	
For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	5.92	
For Each SF Of 24 Gauge Wall Panel, Add	0.74	
For Each SF Of Lap Roof, Deduct	-0.76	
For Each SF Of Hip Roof, Add	0.77	
For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0016 GSF 18' Eave Height, >30' To 50' Wide, Up To 30' Long Clear Span Rigid Frame Building With 26 Gauge Roofing And Siding.....	26.80	6.58
For 30' To 49' In Length Only, Add	3.27	
For 50' To 69' In Length Only, Add	1.79	
For 70' To 99' In Length Only, Add	0.74	
For >1 In 12 Slope To 3 In 12 Slope, Add	0.80	
For >3 In 12 Slope To 5 In 12 Slope, Add	1.34	
For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	2.01	
For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	2.61	
For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.22	
For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	5.09	
For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	6.43	
For Each SF Of 24 Gauge Wall Panel, Add	0.81	
For Each SF Of Lap Roof, Deduct	-0.76	
For Each SF Of Hip Roof, Add	0.82	
For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
13 34 19 00-0017 GSF 20' Eave Height, >30' To 50' Wide, Up To 30' Long Clear Span Rigid Frame Building With 26 Gauge Roofing And Siding	28.65	7.03
For 30' To 49' In Length Only, Add	3.48	
For 50' To 69' In Length Only, Add	1.90	
For 70' To 99' In Length Only, Add	0.78	
For >1 In 12 Slope To 3 In 12 Slope, Add	0.86	
For >3 In 12 Slope To 5 In 12 Slope, Add	1.43	
For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	2.15	
For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	2.79	
For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.44	
For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	5.44	
For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	6.88	
For Each SF Of 24 Gauge Wall Panel, Add	0.86	
For Each SF Of Lap Roof, Deduct	-0.76	
For Each SF Of Hip Roof, Add	0.88	
For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0018 GSF 24' Eave Height, >30' To 50' Wide, Up To 30' Long Clear Span Rigid Frame Building With 26 Gauge Roofing And Siding	31.19	7.94
For 30' To 49' In Length Only, Add	3.67	
For 50' To 69' In Length Only, Add	2.01	
For 70' To 99' In Length Only, Add	0.83	
For >1 In 12 Slope To 3 In 12 Slope, Add	0.94	
For >3 In 12 Slope To 5 In 12 Slope, Add	1.56	
For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	2.34	
For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	3.04	
For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.74	
For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	5.93	
For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	7.49	
For Each SF Of 24 Gauge Wall Panel, Add	0.93	
For Each SF Of Lap Roof, Deduct	-0.76	
For Each SF Of Hip Roof, Add	0.97	
For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0019 >50' To 100' Wide Clear Span Rigid Frame Pre-Engineered Metal Buildings		
<small>(13 34 19 00-0002)</small>		
13 34 19 00-0020 GSF 10' Eave Height, >50' To 100' Wide, Up To 30' Long Clear Span Rigid Frame Building With 26 Gauge Roofing And Siding	15.73	2.95
For 30' To 49' In Length Only, Add	2.36	
For 50' To 69' In Length Only, Add	1.29	
For 70' To 99' In Length Only, Add	0.53	
For >1 In 12 Slope To 3 In 12 Slope, Add	0.47	
For >3 In 12 Slope To 5 In 12 Slope, Add	0.79	
For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.18	
For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.53	
For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	1.89	
For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.99	
For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	3.78	
For Each SF Of 24 Gauge Wall Panel, Add	0.49	
For Each SF Of Lap Roof, Deduct	-0.76	
For Each SF Of Hip Roof, Add	0.42	
For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0021 GSF 12' Eave Height, >50' To 100' Wide, Up To 30' Long Clear Span Rigid Frame Building With 26 Gauge Roofing And Siding	16.39	3.13
For 30' To 49' In Length Only, Add	2.43	
For 50' To 69' In Length Only, Add	1.33	
For 70' To 99' In Length Only, Add	0.55	
For >1 In 12 Slope To 3 In 12 Slope, Add	0.49	
For >3 In 12 Slope To 5 In 12 Slope, Add	0.82	
For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.23	
For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.60	
For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	1.97	
For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.11	
For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	3.93	
For Each SF Of 24 Gauge Wall Panel, Add	0.51	
For Each SF Of Lap Roof, Deduct	-0.76	
For Each SF Of Hip Roof, Add	0.44	
For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0022 GSF 14' Eave Height, >50' To 100' Wide, Up To 30' Long Clear Span Rigid Frame Building With 26 Gauge Roofing And Siding	17.05	3.31
For 30' To 49' In Length Only, Add	2.50	
For 50' To 69' In Length Only, Add	1.37	
For 70' To 99' In Length Only, Add	0.56	
For >1 In 12 Slope To 3 In 12 Slope, Add	0.51	
For >3 In 12 Slope To 5 In 12 Slope, Add	0.85	
For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.28	
For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.66	
For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.05	
For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.24	
For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	4.09	
For Each SF Of 24 Gauge Wall Panel, Add	0.53	
For Each SF Of Lap Roof, Deduct	-0.76	
For Each SF Of Hip Roof, Add	0.46	
For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	

13 Special Construction**13 30 Special Structures****13 34 Fabricated Engineered Structures**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

13 34 19 00-0023	GSF 16' Eave Height, >50' To 100' Wide, Up To 30' Long Clear Span Rigid Frame Building With 26 Gauge Roofing And Siding	18.01	3.50
	For 30' To 49' In Length Only, Add	2.64	
	For 50' To 69' In Length Only, Add	1.44	
	For 70' To 99' In Length Only, Add	0.60	
	For >1 In 12 Slope To 3 In 12 Slope, Add	0.54	
	For >3 In 12 Slope To 5 In 12 Slope, Add	0.90	
	For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.35	
	For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.76	
	For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.16	
	For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.42	
	For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	4.32	
	For Each SF Of 24 Gauge Wall Panel, Add	0.56	
	For Each SF Of Lap Roof, Deduct	-0.76	
	For Each SF Of Hip Roof, Add	0.48	
	For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0024	GSF 18' Eave Height, >50' To 100' Wide, Up To 30' Long Clear Span Rigid Frame Building With 26 Gauge Roofing And Siding	18.76	3.67
	For 30' To 49' In Length Only, Add	2.74	
	For 50' To 69' In Length Only, Add	1.49	
	For 70' To 99' In Length Only, Add	0.62	
	For >1 In 12 Slope To 3 In 12 Slope, Add	0.56	
	For >3 In 12 Slope To 5 In 12 Slope, Add	0.94	
	For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.41	
	For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.83	
	For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.25	
	For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.56	
	For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	4.50	
	For Each SF Of 24 Gauge Wall Panel, Add	0.58	
	For Each SF Of Lap Roof, Deduct	-0.76	
	For Each SF Of Hip Roof, Add	0.50	
	For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0025	GSF 20' Eave Height, >50' To 100' Wide, Up To 30' Long Clear Span Rigid Frame Building With 26 Gauge Roofing And Siding	19.44	3.86
	For 30' To 49' In Length Only, Add	2.81	
	For 50' To 69' In Length Only, Add	1.54	
	For 70' To 99' In Length Only, Add	0.63	
	For >1 In 12 Slope To 3 In 12 Slope, Add	0.58	
	For >3 In 12 Slope To 5 In 12 Slope, Add	0.97	
	For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.46	
	For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.90	
	For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.33	
	For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.69	
	For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	4.67	
	For Each SF Of 24 Gauge Wall Panel, Add	0.60	
	For Each SF Of Lap Roof, Deduct	-0.76	
	For Each SF Of Hip Roof, Add	0.52	
	For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0026	GSF 24' Eave Height, >50' To 100' Wide, Up To 30' Long Clear Span Rigid Frame Building With 26 Gauge Roofing And Siding	21.27	4.22
	For 30' To 49' In Length Only, Add	3.08	
	For 50' To 69' In Length Only, Add	1.68	
	For 70' To 99' In Length Only, Add	0.69	
	For >1 In 12 Slope To 3 In 12 Slope, Add	0.64	
	For >3 In 12 Slope To 5 In 12 Slope, Add	1.06	
	For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.60	
	For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	2.07	
	For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.55	
	For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	4.04	
	For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	5.10	
	For Each SF Of 24 Gauge Wall Panel, Add	0.66	
	For Each SF Of Lap Roof, Deduct	-0.76	
	For Each SF Of Hip Roof, Add	0.56	
	For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0027	Clear Span Tapered Beam Frame Pre-Engineered Metal Buildings (13 34 19 00-0001)		
	Note: Includes a primer coated structural frame, a painted 26 gauge exterior wall and roof.		
13 34 19 00-0028	Up To 30' Wide Clear Span Tapered Beam Frame Pre-Engineered Metal Buildings (13 34 19 00-0027)		
13 34 19 00-0029	GSF 10' Eave Height, Up To 30' Wide, Up To 30' Long Clear Span Tapered Beam Frame Building With 26 Gauge Roofing And Siding	21.12	4.77
	For 30' To 49' In Length Only, Add	2.78	
	For 50' To 69' In Length Only, Add	1.52	
	For 70' To 99' In Length Only, Add	0.63	
	For >1 In 12 Slope To 3 In 12 Slope, Add	0.63	
	For >3 In 12 Slope To 5 In 12 Slope, Add	1.06	
	For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.58	
	For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	2.06	
	For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.53	
	For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	4.01	
	For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	5.07	
	For Each SF Of 24 Gauge Wall Panel, Add	0.64	
	For Each SF Of Lap Roof, Deduct	-0.76	
	For Each SF Of Hip Roof, Add	0.62	
	For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
13 34 19 00-0030 GSF 12' Eave Height, Up To 30' Wide, Up To 30' Long Clear Span Tapered Beam Frame Building With 26 Gauge Roofing And Siding.....	22.63	5.20
<i>For 30' To 49' In Length Only, Add</i>	2.94	
<i>For 50' To 69' In Length Only, Add</i>	1.60	
<i>For 70' To 99' In Length Only, Add</i>	0.66	
<i>For >1 In 12 Slope To 3 In 12 Slope, Add</i>	0.68	
<i>For >3 In 12 Slope To 5 In 12 Slope, Add</i>	1.13	
<i>For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add</i>	1.70	
<i>For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add</i>	2.21	
<i>For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add</i>	2.72	
<i>For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add</i>	4.30	
<i>For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add</i>	5.43	
<i>For Each SF Of 24 Gauge Wall Panel, Add</i>	0.69	
<i>For Each SF Of Lap Roof, Deduct</i>	-0.76	
<i>For Each SF Of Hip Roof, Add</i>	0.67	
<i>For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)</i>	-1.97	
13 34 19 00-0031 GSF 14' Eave Height, Up To 30' Wide, Up To 30' Long Clear Span Tapered Beam Frame Building With 26 Gauge Roofing And Siding.....	24.11	5.63
<i>For 30' To 49' In Length Only, Add</i>	3.08	
<i>For 50' To 69' In Length Only, Add</i>	1.68	
<i>For 70' To 99' In Length Only, Add</i>	0.69	
<i>For >1 In 12 Slope To 3 In 12 Slope, Add</i>	0.72	
<i>For >3 In 12 Slope To 5 In 12 Slope, Add</i>	1.21	
<i>For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add</i>	1.81	
<i>For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add</i>	2.35	
<i>For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add</i>	2.89	
<i>For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add</i>	4.58	
<i>For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add</i>	5.79	
<i>For Each SF Of 24 Gauge Wall Panel, Add</i>	0.73	
<i>For Each SF Of Lap Roof, Deduct</i>	-0.76	
<i>For Each SF Of Hip Roof, Add</i>	0.72	
<i>For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)</i>	-1.97	
13 34 19 00-0032 GSF 16' Eave Height, Up To 30' Wide, Up To 30' Long Clear Span Tapered Beam Frame Building With 26 Gauge Roofing And Siding.....	26.07	6.12
<i>For 30' To 49' In Length Only, Add</i>	3.31	
<i>For 50' To 69' In Length Only, Add</i>	1.81	
<i>For 70' To 99' In Length Only, Add</i>	0.75	
<i>For >1 In 12 Slope To 3 In 12 Slope, Add</i>	0.78	
<i>For >3 In 12 Slope To 5 In 12 Slope, Add</i>	1.30	
<i>For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add</i>	1.96	
<i>For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add</i>	2.54	
<i>For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add</i>	3.13	
<i>For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add</i>	4.95	
<i>For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add</i>	6.26	
<i>For Each SF Of 24 Gauge Wall Panel, Add</i>	0.79	
<i>For Each SF Of Lap Roof, Deduct</i>	-0.76	
<i>For Each SF Of Hip Roof, Add</i>	0.77	
<i>For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)</i>	-1.97	
13 34 19 00-0033 GSF 18' Eave Height, Up To 30' Wide, Up To 30' Long Clear Span Tapered Beam Frame Building With 26 Gauge Roofing And Siding.....	27.74	6.61
<i>For 30' To 49' In Length Only, Add</i>	3.49	
<i>For 50' To 69' In Length Only, Add</i>	1.90	
<i>For 70' To 99' In Length Only, Add</i>	0.79	
<i>For >1 In 12 Slope To 3 In 12 Slope, Add</i>	0.83	
<i>For >3 In 12 Slope To 5 In 12 Slope, Add</i>	1.39	
<i>For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add</i>	2.08	
<i>For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add</i>	2.70	
<i>For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add</i>	3.33	
<i>For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add</i>	5.27	
<i>For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add</i>	6.66	
<i>For Each SF Of 24 Gauge Wall Panel, Add</i>	0.84	
<i>For Each SF Of Lap Roof, Deduct</i>	-0.76	
<i>For Each SF Of Hip Roof, Add</i>	0.83	
<i>For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)</i>	-1.97	
13 34 19 00-0034 GSF 20' Eave Height, Up To 30' Wide, Up To 30' Long Clear Span Tapered Beam Frame Building With 26 Gauge Roofing And Siding.....	29.42	7.08
<i>For 30' To 49' In Length Only, Add</i>	3.66	
<i>For 50' To 69' In Length Only, Add</i>	2.00	
<i>For 70' To 99' In Length Only, Add</i>	0.82	
<i>For >1 In 12 Slope To 3 In 12 Slope, Add</i>	0.88	
<i>For >3 In 12 Slope To 5 In 12 Slope, Add</i>	1.47	
<i>For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add</i>	2.21	
<i>For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add</i>	2.87	
<i>For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add</i>	3.53	
<i>For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add</i>	5.59	
<i>For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add</i>	7.06	
<i>For Each SF Of 24 Gauge Wall Panel, Add</i>	0.89	
<i>For Each SF Of Lap Roof, Deduct</i>	-0.76	
<i>For Each SF Of Hip Roof, Add</i>	0.88	
<i>For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)</i>	-1.97	

13 Special Construction**13 30 Special Structures****13 34 Fabricated Engineered Structures**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

13 34 19 00-0035	GSF 24' Eave Height, Up To 30' Wide, Up To 30' Long Clear Span Tapered Beam Frame Building With 26 Gauge Roofing And Siding.....	32.87	8.08
	For 30' To 49' In Length Only, Add	4.01	
	For 50' To 69' In Length Only, Add	2.19	
	For 70' To 99' In Length Only, Add	0.90	
	For >1 In 12 Slope To 3 In 12 Slope, Add	0.99	
	For >3 In 12 Slope To 5 In 12 Slope, Add	1.64	
	For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	2.47	
	For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	3.20	
	For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.94	
	For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	6.25	
	For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	7.89	
	For Each SF Of 24 Gauge Wall Panel, Add	0.99	
	For Each SF Of Lap Roof, Deduct	-0.76	
	For Each SF Of Hip Roof, Add	0.99	
	For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0036	>30' To 40' Wide Clear Span Tapered Beam Frame Pre-Engineered Metal Buildings (13 34 19 00-0027)		
13 34 19 00-0037	GSF 10' Eave Height, >30' To 40' Wide, Up To 30' Long Clear Span Tapered Beam Frame Building With 26 Gauge Roofing And Siding.....	19.09	4.22
	For 30' To 49' In Length Only, Add	2.56	
	For 50' To 69' In Length Only, Add	1.40	
	For 70' To 99' In Length Only, Add	0.58	
	For >1 In 12 Slope To 3 In 12 Slope, Add	0.57	
	For >3 In 12 Slope To 5 In 12 Slope, Add	0.95	
	For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.43	
	For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.86	
	For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.29	
	For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.63	
	For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	4.58	
	For Each SF Of 24 Gauge Wall Panel, Add	0.58	
	For Each SF Of Lap Roof, Deduct	-0.76	
	For Each SF Of Hip Roof, Add	0.56	
	For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0038	GSF 12' Eave Height, >30' To 40' Wide, Up To 30' Long Clear Span Tapered Beam Frame Building With 26 Gauge Roofing And Siding.....	20.30	4.61
	For 30' To 49' In Length Only, Add	2.66	
	For 50' To 69' In Length Only, Add	1.45	
	For 70' To 99' In Length Only, Add	0.60	
	For >1 In 12 Slope To 3 In 12 Slope, Add	0.61	
	For >3 In 12 Slope To 5 In 12 Slope, Add	1.02	
	For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.52	
	For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.98	
	For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.44	
	For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.86	
	For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	4.87	
	For Each SF Of 24 Gauge Wall Panel, Add	0.62	
	For Each SF Of Lap Roof, Deduct	-0.76	
	For Each SF Of Hip Roof, Add	0.61	
	For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0039	GSF 14' Eave Height, >30' To 40' Wide, Up To 30' Long Clear Span Tapered Beam Frame Building With 26 Gauge Roofing And Siding.....	21.50	4.99
	For 30' To 49' In Length Only, Add	2.76	
	For 50' To 69' In Length Only, Add	1.51	
	For 70' To 99' In Length Only, Add	0.62	
	For >1 In 12 Slope To 3 In 12 Slope, Add	0.65	
	For >3 In 12 Slope To 5 In 12 Slope, Add	1.08	
	For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.61	
	For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	2.10	
	For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.58	
	For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	4.09	
	For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	5.16	
	For Each SF Of 24 Gauge Wall Panel, Add	0.65	
	For Each SF Of Lap Roof, Deduct	-0.76	
	For Each SF Of Hip Roof, Add	0.65	
	For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0040	GSF 16' Eave Height, >30' To 40' Wide, Up To 30' Long Clear Span Tapered Beam Frame Building With 26 Gauge Roofing And Siding.....	22.84	5.35
	For 30' To 49' In Length Only, Add	2.91	
	For 50' To 69' In Length Only, Add	1.59	
	For 70' To 99' In Length Only, Add	0.66	
	For >1 In 12 Slope To 3 In 12 Slope, Add	0.69	
	For >3 In 12 Slope To 5 In 12 Slope, Add	1.14	
	For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.71	
	For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	2.23	
	For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.74	
	For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	4.34	
	For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	5.48	
	For Each SF Of 24 Gauge Wall Panel, Add	0.69	
	For Each SF Of Lap Roof, Deduct	-0.76	
	For Each SF Of Hip Roof, Add	0.69	
	For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
13 34 19 00-0041 GSF 18' Eave Height, >30' To 40' Wide, Up To 30' Long Clear Span Tapered Beam Frame Building With 26 Gauge Roofing And Siding.....	24.19	5.74
For 30' To 49' In Length Only, Add	3.05	
For 50' To 69' In Length Only, Add	1.66	
For 70' To 99' In Length Only, Add	0.69	
For >1 In 12 Slope To 3 In 12 Slope, Add	0.73	
For >3 In 12 Slope To 5 In 12 Slope, Add	1.21	
For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.81	
For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	2.36	
For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.90	
For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	4.60	
For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	5.81	
For Each SF Of 24 Gauge Wall Panel, Add	0.73	
For Each SF Of Lap Roof, Deduct	-0.76	
For Each SF Of Hip Roof, Add	0.73	
For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0042 GSF 20' Eave Height, >30' To 40' Wide, Up To 30' Long Clear Span Tapered Beam Frame Building With 26 Gauge Roofing And Siding.....	25.50	6.12
For 30' To 49' In Length Only, Add	3.18	
For 50' To 69' In Length Only, Add	1.73	
For 70' To 99' In Length Only, Add	0.71	
For >1 In 12 Slope To 3 In 12 Slope, Add	0.77	
For >3 In 12 Slope To 5 In 12 Slope, Add	1.28	
For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.91	
For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	2.49	
For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.06	
For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	4.85	
For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	6.12	
For Each SF Of 24 Gauge Wall Panel, Add	0.77	
For Each SF Of Lap Roof, Deduct	-0.76	
For Each SF Of Hip Roof, Add	0.77	
For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0043 GSF 24' Eave Height, >30' To 40' Wide, Up To 30' Long Clear Span Tapered Beam Frame Building With 26 Gauge Roofing And Siding.....	28.47	6.99
For 30' To 49' In Length Only, Add	3.48	
For 50' To 69' In Length Only, Add	1.90	
For 70' To 99' In Length Only, Add	0.78	
For >1 In 12 Slope To 3 In 12 Slope, Add	0.85	
For >3 In 12 Slope To 5 In 12 Slope, Add	1.42	
For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	2.14	
For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	2.78	
For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.42	
For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	5.41	
For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	6.83	
For Each SF Of 24 Gauge Wall Panel, Add	0.86	
For Each SF Of Lap Roof, Deduct	-0.76	
For Each SF Of Hip Roof, Add	0.87	
For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0044 >40' To 80' Wide Clear Span Tapered Beam Frame Pre-Engineered Metal Buildings <small>(13 34 19 00-0027)</small>		
13 34 19 00-0045 GSF 10' Eave Height, >40' To 80' Wide, Up To 30' Long Clear Span Tapered Beam Frame Building With 26 Gauge Roofing And Siding.....	16.80	3.31
For 30' To 49' In Length Only, Add	2.44	
For 50' To 69' In Length Only, Add	1.33	
For 70' To 99' In Length Only, Add	0.55	
For >1 In 12 Slope To 3 In 12 Slope, Add	0.50	
For >3 In 12 Slope To 5 In 12 Slope, Add	0.84	
For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.26	
For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.64	
For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.02	
For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.19	
For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	4.03	
For Each SF Of 24 Gauge Wall Panel, Add	0.52	
For Each SF Of Lap Roof, Deduct	-0.76	
For Each SF Of Hip Roof, Add	0.46	
For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0046 GSF 12' Eave Height, >40' To 80' Wide, Up To 30' Long Clear Span Tapered Beam Frame Building With 26 Gauge Roofing And Siding.....	17.67	3.54
For 30' To 49' In Length Only, Add	2.54	
For 50' To 69' In Length Only, Add	1.39	
For 70' To 99' In Length Only, Add	0.57	
For >1 In 12 Slope To 3 In 12 Slope, Add	0.53	
For >3 In 12 Slope To 5 In 12 Slope, Add	0.88	
For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.33	
For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.72	
For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.12	
For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.36	
For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	4.24	
For Each SF Of 24 Gauge Wall Panel, Add	0.55	
For Each SF Of Lap Roof, Deduct	-0.76	
For Each SF Of Hip Roof, Add	0.49	
For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	

13 Special Construction**13 30 Special Structures****13 34 Fabricated Engineered Structures**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
13 34	19 00-0047	GSF	14' Eave Height, >40' To 80' Wide, Up To 30' Long Clear Span Tapered Beam Frame Building With 26 Gauge Roofing And Siding.....	18.52	3.77
			For 30' To 49' In Length Only, Add	2.64	
			For 50' To 69' In Length Only, Add	1.44	
			For 70' To 99' In Length Only, Add	0.59	
			For >1 In 12 Slope To 3 In 12 Slope, Add	0.56	
			For >3 In 12 Slope To 5 In 12 Slope, Add	0.93	
			For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.39	
			For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.81	
			For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.22	
			For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.52	
			For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	4.44	
			For Each SF Of 24 Gauge Wall Panel, Add	0.57	
			For Each SF Of Lap Roof, Deduct	-0.76	
			For Each SF Of Hip Roof, Add	0.51	
			For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34	19 00-0048	GSF	16' Eave Height, >40' To 80' Wide, Up To 30' Long Clear Span Tapered Beam Frame Building With 26 Gauge Roofing And Siding.....	19.46	3.99
			For 30' To 49' In Length Only, Add	2.75	
			For 50' To 69' In Length Only, Add	1.50	
			For 70' To 99' In Length Only, Add	0.62	
			For >1 In 12 Slope To 3 In 12 Slope, Add	0.58	
			For >3 In 12 Slope To 5 In 12 Slope, Add	0.97	
			For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.46	
			For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.90	
			For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.34	
			For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.70	
			For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	4.67	
			For Each SF Of 24 Gauge Wall Panel, Add	0.60	
			For Each SF Of Lap Roof, Deduct	-0.76	
			For Each SF Of Hip Roof, Add	0.54	
			For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34	19 00-0049	GSF	18' Eave Height, >40' To 80' Wide, Up To 30' Long Clear Span Tapered Beam Frame Building With 26 Gauge Roofing And Siding.....	20.63	4.26
			For 30' To 49' In Length Only, Add	2.90	
			For 50' To 69' In Length Only, Add	1.59	
			For 70' To 99' In Length Only, Add	0.65	
			For >1 In 12 Slope To 3 In 12 Slope, Add	0.62	
			For >3 In 12 Slope To 5 In 12 Slope, Add	1.03	
			For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.55	
			For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	2.01	
			For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.48	
			For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.92	
			For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	4.95	
			For Each SF Of 24 Gauge Wall Panel, Add	0.64	
			For Each SF Of Lap Roof, Deduct	-0.76	
			For Each SF Of Hip Roof, Add	0.57	
			For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34	19 00-0050	GSF	20' Eave Height, >40' To 80' Wide, Up To 30' Long Clear Span Tapered Beam Frame Building With 26 Gauge Roofing And Siding.....	21.71	4.50
			For 30' To 49' In Length Only, Add	3.06	
			For 50' To 69' In Length Only, Add	1.67	
			For 70' To 99' In Length Only, Add	0.69	
			For >1 In 12 Slope To 3 In 12 Slope, Add	0.65	
			For >3 In 12 Slope To 5 In 12 Slope, Add	1.09	
			For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.63	
			For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	2.12	
			For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.61	
			For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	4.12	
			For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	5.21	
			For Each SF Of 24 Gauge Wall Panel, Add	0.67	
			For Each SF Of Lap Roof, Deduct	-0.76	
			For Each SF Of Hip Roof, Add	0.59	
			For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34	19 00-0051	GSF	24' Eave Height, >40' To 80' Wide, Up To 30' Long Clear Span Tapered Beam Frame Building With 26 Gauge Roofing And Siding.....	24.17	5.10
			For 30' To 49' In Length Only, Add	3.35	
			For 50' To 69' In Length Only, Add	1.83	
			For 70' To 99' In Length Only, Add	0.75	
			For >1 In 12 Slope To 3 In 12 Slope, Add	0.73	
			For >3 In 12 Slope To 5 In 12 Slope, Add	1.21	
			For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.81	
			For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	2.36	
			For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.90	
			For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	4.59	
			For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	5.80	
			For Each SF Of 24 Gauge Wall Panel, Add	0.74	
			For Each SF Of Lap Roof, Deduct	-0.76	
			For Each SF Of Hip Roof, Add	0.66	
			For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	

13 34 19 00-0052 Single Post 2-Span Frame Pre-Engineered Metal Buildings (13 34 19 00-0001)

Note: Includes a primer coated structural frame, a painted 26 gauge exterior wall and roof.

13 34 19 00-0053 Up To 60' Wide Single Post 2-Span Frame Pre-Engineered Metal Buildings

(13 34 19 00-0052)



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
13 34 19 00-0054 GSF 14' Eave Height, Up To 60' Wide, Single Post 2-Span Frame Building With 26 Gauge Roofing And Siding.....	17.32	3.90
For >1 In 12 Slope To 3 In 12 Slope, Add	0.52	
For >3 In 12 Slope To 5 In 12 Slope, Add	0.87	
For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.30	
For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.69	
For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.08	
For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.29	
For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	4.16	
For Each SF Of 24 Gauge Wall Panel, Add	0.53	
For Each SF Of Lap Roof, Deduct	-0.76	
For Each SF Of Hip Roof, Add	0.53	
For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0055 GSF 16' Eave Height, Up To 60' Wide, Single Post 2-Span Frame Building With 26 Gauge Roofing And Siding.....	18.48	4.18
For >1 In 12 Slope To 3 In 12 Slope, Add	0.55	
For >3 In 12 Slope To 5 In 12 Slope, Add	0.92	
For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.39	
For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.80	
For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.22	
For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.51	
For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	4.44	
For Each SF Of 24 Gauge Wall Panel, Add	0.56	
For Each SF Of Lap Roof, Deduct	-0.76	
For Each SF Of Hip Roof, Add	0.56	
For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0056 GSF 18' Eave Height, Up To 60' Wide, Single Post 2-Span Frame Building With 26 Gauge Roofing And Siding.....	19.39	4.40
For >1 In 12 Slope To 3 In 12 Slope, Add	0.58	
For >3 In 12 Slope To 5 In 12 Slope, Add	0.97	
For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.45	
For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.89	
For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.33	
For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.68	
For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	4.65	
For Each SF Of 24 Gauge Wall Panel, Add	0.59	
For Each SF Of Lap Roof, Deduct	-0.76	
For Each SF Of Hip Roof, Add	0.58	
For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0057 GSF 20' Eave Height, Up To 60' Wide, Single Post 2-Span Frame Building With 26 Gauge Roofing And Siding.....	19.23	4.09
For >1 In 12 Slope To 3 In 12 Slope, Add	0.58	
For >3 In 12 Slope To 5 In 12 Slope, Add	0.96	
For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.44	
For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.87	
For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.31	
For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.65	
For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	4.62	
For Each SF Of 24 Gauge Wall Panel, Add	0.59	
For Each SF Of Lap Roof, Deduct	-0.76	
For Each SF Of Hip Roof, Add	0.55	
For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0058 GSF 24' Eave Height, Up To 60' Wide, Single Post 2-Span Frame Building With 26 Gauge Roofing And Siding.....	20.80	4.45
For >1 In 12 Slope To 3 In 12 Slope, Add	0.62	
For >3 In 12 Slope To 5 In 12 Slope, Add	1.04	
For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.56	
For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	2.03	
For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.50	
For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.95	
For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	4.99	
For Each SF Of 24 Gauge Wall Panel, Add	0.64	
For Each SF Of Lap Roof, Deduct	-0.76	
For Each SF Of Hip Roof, Add	0.59	
For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0059 >60' To 80' Wide Single Post 2-Span Frame Pre-Engineered Metal Buildings (13 34 19 00-0052)		
13 34 19 00-0060 GSF 14' Eave Height, >60' To 80' Wide, Single Post 2-Span Frame Building With 26 Gauge Roofing And Siding.....	16.16	3.45
For >1 In 12 Slope To 3 In 12 Slope, Add	0.48	
For >3 In 12 Slope To 5 In 12 Slope, Add	0.81	
For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.21	
For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.58	
For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	1.94	
For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.07	
For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	3.88	
For Each SF Of 24 Gauge Wall Panel, Add	0.50	
For Each SF Of Lap Roof, Deduct	-0.76	
For Each SF Of Hip Roof, Add	0.48	
For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	

13 Special Construction**13 30 Special Structures****13 34 Fabricated Engineered Structures**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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13 34 19 00-0061	GSF		16' Eave Height, >60' To 80' Wide, Single Post 2-Span Frame Building With 26 Gauge Roofing And Siding.....	17.19	3.67
			<i>For >1 In 12 Slope To 3 In 12 Slope, Add</i>	0.52	
			<i>For >3 In 12 Slope To 5 In 12 Slope, Add</i>	0.86	
			<i>For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add</i>	1.29	
			<i>For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add</i>	1.68	
			<i>For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add</i>	2.06	
			<i>For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add</i>	3.27	
			<i>For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add</i>	4.13	
			<i>For Each SF Of 24 Gauge Wall Panel, Add</i>	0.53	
			<i>For Each SF Of Lap Roof, Deduct</i>	-0.76	
			<i>For Each SF Of Hip Roof, Add</i>	0.50	
			<i>For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)</i>	-1.97	
13 34 19 00-0062	GSF		18' Eave Height, >60' To 80' Wide, Single Post 2-Span Frame Building With 26 Gauge Roofing And Siding.....	18.10	3.90
			<i>For >1 In 12 Slope To 3 In 12 Slope, Add</i>	0.54	
			<i>For >3 In 12 Slope To 5 In 12 Slope, Add</i>	0.91	
			<i>For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add</i>	1.36	
			<i>For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add</i>	1.76	
			<i>For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add</i>	2.17	
			<i>For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add</i>	3.44	
			<i>For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add</i>	4.34	
			<i>For Each SF Of 24 Gauge Wall Panel, Add</i>	0.56	
			<i>For Each SF Of Lap Roof, Deduct</i>	-0.76	
			<i>For Each SF Of Hip Roof, Add</i>	0.53	
			<i>For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)</i>	-1.97	
13 34 19 00-0063	GSF		20' Eave Height, >60' To 80' Wide, Single Post 2-Span Frame Building With 26 Gauge Roofing And Siding.....	18.92	4.09
			<i>For >1 In 12 Slope To 3 In 12 Slope, Add</i>	0.57	
			<i>For >3 In 12 Slope To 5 In 12 Slope, Add</i>	0.95	
			<i>For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add</i>	1.42	
			<i>For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add</i>	1.84	
			<i>For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add</i>	2.27	
			<i>For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add</i>	3.59	
			<i>For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add</i>	4.54	
			<i>For Each SF Of 24 Gauge Wall Panel, Add</i>	0.58	
			<i>For Each SF Of Lap Roof, Deduct</i>	-0.76	
			<i>For Each SF Of Hip Roof, Add</i>	0.55	
			<i>For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)</i>	-1.97	
13 34 19 00-0064	GSF		24' Eave Height, >60' To 80' Wide, Single Post 2-Span Frame Building With 26 Gauge Roofing And Siding.....	20.46	4.45
			<i>For >1 In 12 Slope To 3 In 12 Slope, Add</i>	0.61	
			<i>For >3 In 12 Slope To 5 In 12 Slope, Add</i>	1.02	
			<i>For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add</i>	1.53	
			<i>For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add</i>	1.99	
			<i>For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add</i>	2.46	
			<i>For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add</i>	3.89	
			<i>For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add</i>	4.91	
			<i>For Each SF Of 24 Gauge Wall Panel, Add</i>	0.63	
			<i>For Each SF Of Lap Roof, Deduct</i>	-0.76	
			<i>For Each SF Of Hip Roof, Add</i>	0.59	
			<i>For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)</i>	-1.97	

13 34 19 00-0065 >80' To 100' Wide Single Post 2-Span Frame Pre-Engineered Metal Buildings (13 34 19 00-0052)

13 34 19 00-0066	GSF		14' Eave Height, >80' To 100' Wide, Single Post 2-Span Frame Building With 26 Gauge Roofing And Siding.....	15.07	3.04
			<i>For >1 In 12 Slope To 3 In 12 Slope, Add</i>	0.45	
			<i>For >3 In 12 Slope To 5 In 12 Slope, Add</i>	0.75	
			<i>For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add</i>	1.13	
			<i>For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add</i>	1.47	
			<i>For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add</i>	1.81	
			<i>For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add</i>	2.86	
			<i>For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add</i>	3.62	
			<i>For Each SF Of 24 Gauge Wall Panel, Add</i>	0.47	
			<i>For Each SF Of Lap Roof, Deduct</i>	-0.76	
			<i>For Each SF Of Hip Roof, Add</i>	0.43	
			<i>For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)</i>	-1.97	
13 34 19 00-0067	GSF		16' Eave Height, >80' To 100' Wide, Single Post 2-Span Frame Building With 26 Gauge Roofing And Siding.....	15.80	3.18
			<i>For >1 In 12 Slope To 3 In 12 Slope, Add</i>	0.47	
			<i>For >3 In 12 Slope To 5 In 12 Slope, Add</i>	0.79	
			<i>For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add</i>	1.19	
			<i>For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add</i>	1.54	
			<i>For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add</i>	1.90	
			<i>For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add</i>	3.00	
			<i>For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add</i>	3.79	
			<i>For Each SF Of 24 Gauge Wall Panel, Add</i>	0.49	
			<i>For Each SF Of Lap Roof, Deduct</i>	-0.76	
			<i>For Each SF Of Hip Roof, Add</i>	0.45	
			<i>For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)</i>	-1.97	



Special Construction	13
Special Structures	13 30
Fabricated Engineered Structures	13 34

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
13 34 19 00-0068 GSF 18' Eave Height, >80' To 100' Wide, Single Post 2-Span Frame Building With 26 Gauge Roofing And Siding.....	16.63	3.36
For >1 In 12 Slope To 3 In 12 Slope, Add	0.50	
For >3 In 12 Slope To 5 In 12 Slope, Add	0.83	
For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.25	
For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.62	
For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.00	
For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.16	
For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	3.99	
For Each SF Of 24 Gauge Wall Panel, Add	0.51	
For Each SF Of Lap Roof, Deduct	-0.76	
For Each SF Of Hip Roof, Add	0.47	
For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0069 GSF 20' Eave Height, >80' To 100' Wide, Single Post 2-Span Frame Building With 26 Gauge Roofing And Siding.....	17.35	3.50
For >1 In 12 Slope To 3 In 12 Slope, Add	0.52	
For >3 In 12 Slope To 5 In 12 Slope, Add	0.87	
For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.30	
For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.69	
For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.08	
For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.30	
For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	4.16	
For Each SF Of 24 Gauge Wall Panel, Add	0.54	
For Each SF Of Lap Roof, Deduct	-0.76	
For Each SF Of Hip Roof, Add	0.48	
For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0070 GSF 24' Eave Height, >80' To 100' Wide, Single Post 2-Span Frame Building With 26 Gauge Roofing And Siding.....	18.77	3.81
For >1 In 12 Slope To 3 In 12 Slope, Add	0.56	
For >3 In 12 Slope To 5 In 12 Slope, Add	0.94	
For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.41	
For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.83	
For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.25	
For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.57	
For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	4.50	
For Each SF Of 24 Gauge Wall Panel, Add	0.58	
For Each SF Of Lap Roof, Deduct	-0.76	
For Each SF Of Hip Roof, Add	0.52	
For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0071 >100' To 120' Wide Single Post 2-Span Frame Pre-Engineered Metal Buildings (13 34 19 00-0052)		
13 34 19 00-0072 GSF 14' Eave Height, >100' To 120' Wide, Single Post 2-Span Frame Building With 26 Gauge Roofing And Siding.....	14.70	2.90
For >1 In 12 Slope To 3 In 12 Slope, Add	0.44	
For >3 In 12 Slope To 5 In 12 Slope, Add	0.74	
For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.10	
For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.43	
For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	1.76	
For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.79	
For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	3.53	
For Each SF Of 24 Gauge Wall Panel, Add	0.46	
For Each SF Of Lap Roof, Deduct	-0.76	
For Each SF Of Hip Roof, Add	0.42	
For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0073 GSF 16' Eave Height, >100' To 120' Wide, Single Post 2-Span Frame Building With 26 Gauge Roofing And Siding.....	15.29	3.04
For >1 In 12 Slope To 3 In 12 Slope, Add	0.46	
For >3 In 12 Slope To 5 In 12 Slope, Add	0.76	
For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.15	
For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.49	
For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	1.83	
For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.91	
For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	3.67	
For Each SF Of 24 Gauge Wall Panel, Add	0.47	
For Each SF Of Lap Roof, Deduct	-0.76	
For Each SF Of Hip Roof, Add	0.43	
For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0074 GSF 18' Eave Height, >100' To 120' Wide, Single Post 2-Span Frame Building With 26 Gauge Roofing And Siding.....	16.00	3.18
For >1 In 12 Slope To 3 In 12 Slope, Add	0.48	
For >3 In 12 Slope To 5 In 12 Slope, Add	0.80	
For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.20	
For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.56	
For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	1.92	
For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.04	
For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	3.84	
For Each SF Of 24 Gauge Wall Panel, Add	0.50	
For Each SF Of Lap Roof, Deduct	-0.76	
For Each SF Of Hip Roof, Add	0.45	
For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	

13 Special Construction**13 30 Special Structures****13 34 Fabricated Engineered Structures**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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13 34 19 00-0075	GSF 20' Eave Height, >100' To 120' Wide, Single Post 2-Span Frame Building With 26 Gauge Roofing And Siding.....	16.68	3.31
	For >1 In 12 Slope To 3 In 12 Slope, Add	0.50	
	For >3 In 12 Slope To 5 In 12 Slope, Add	0.83	
	For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.25	
	For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.63	
	For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.00	
	For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.17	
	For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	4.00	
	For Each SF Of 24 Gauge Wall Panel, Add	0.52	
	For Each SF Of Lap Roof, Deduct	-0.76	
	For Each SF Of Hip Roof, Add	0.46	
	For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0076	GSF 24' Eave Height, >100' To 120' Wide, Single Post 2-Span Frame Building With 26 Gauge Roofing And Siding.....	18.09	3.58
	For >1 In 12 Slope To 3 In 12 Slope, Add	0.54	
	For >3 In 12 Slope To 5 In 12 Slope, Add	0.90	
	For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.36	
	For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.76	
	For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.17	
	For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.44	
	For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	4.34	
	For Each SF Of 24 Gauge Wall Panel, Add	0.56	
	For Each SF Of Lap Roof, Deduct	-0.76	
	For Each SF Of Hip Roof, Add	0.49	
	For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	

13 34 19 00-0077 Double Post 3-Span Frame Pre-Engineered Metal Buildings (13 34 19 00-0001)

Note: Includes a primer coated structural frame, a painted 26 gauge exterior wall and roof.

13 34 19 00-0078 Up To 120' Wide Double Post 3-Span Frame Pre-Engineered Metal Buildings (13 34 19 00-0077)

13 34 19 00-0079	GSF 14' Eave Height, Up To 120' Wide, Double Post 3-Span Frame Building With 26 Gauge Roofing And Siding.....	14.50	3.04
	For >1 In 12 Slope To 3 In 12 Slope, Add	0.44	
	For >3 In 12 Slope To 5 In 12 Slope, Add	0.73	
	For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.09	
	For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.41	
	For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	1.74	
	For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.76	
	For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	3.48	
	For Each SF Of 24 Gauge Wall Panel, Add	0.45	
	For Each SF Of Lap Roof, Deduct	-0.76	
	For Each SF Of Hip Roof, Add	0.43	
	For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0080	GSF 16' Eave Height, Up To 120' Wide, Double Post 3-Span Frame Building With 26 Gauge Roofing And Siding.....	15.06	3.18
	For >1 In 12 Slope To 3 In 12 Slope, Add	0.45	
	For >3 In 12 Slope To 5 In 12 Slope, Add	0.75	
	For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.13	
	For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.47	
	For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	1.81	
	For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.86	
	For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	3.61	
	For Each SF Of 24 Gauge Wall Panel, Add	0.46	
	For Each SF Of Lap Roof, Deduct	-0.76	
	For Each SF Of Hip Roof, Add	0.45	
	For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0081	GSF 18' Eave Height, Up To 120' Wide, Double Post 3-Span Frame Building With 26 Gauge Roofing And Siding.....	15.19	3.09
	For >1 In 12 Slope To 3 In 12 Slope, Add	0.46	
	For >3 In 12 Slope To 5 In 12 Slope, Add	0.76	
	For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.14	
	For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.48	
	For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	1.82	
	For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.89	
	For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	3.65	
	For Each SF Of 24 Gauge Wall Panel, Add	0.47	
	For Each SF Of Lap Roof, Deduct	-0.76	
	For Each SF Of Hip Roof, Add	0.44	
	For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0082	GSF 20' Eave Height, Up To 120' Wide, Double Post 3-Span Frame Building With 26 Gauge Roofing And Siding.....	15.79	3.22
	For >1 In 12 Slope To 3 In 12 Slope, Add	0.47	
	For >3 In 12 Slope To 5 In 12 Slope, Add	0.79	
	For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.18	
	For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.54	
	For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	1.89	
	For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.00	
	For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	3.79	
	For Each SF Of 24 Gauge Wall Panel, Add	0.49	
	For Each SF Of Lap Roof, Deduct	-0.76	
	For Each SF Of Hip Roof, Add	0.45	
	For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	



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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
13 34 19 00-0083 GSF 24' Eave Height, Up To 120' Wide, Double Post 3-Span Frame Building With 26 Gauge Roofing And Siding.....	17.84	3.45
For >1 In 12 Slope To 3 In 12 Slope, Add	0.54	
For >3 In 12 Slope To 5 In 12 Slope, Add	0.89	
For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.34	
For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.74	
For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.14	
For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.39	
For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	4.28	
For Each SF Of 24 Gauge Wall Panel, Add	0.56	
For Each SF Of Lap Roof, Deduct	-0.76	
For Each SF Of Hip Roof, Add	0.48	
For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0084 >120' To 150' Wide Double Post 3-Span Frame Pre-Engineered Metal Buildings <small>(13 34 19 00-0077)</small>		
13 34 19 00-0085 GSF 14' Eave Height, >120' To 150' Wide, Double Post 3-Span Frame Building With 26 Gauge Roofing And Siding	13.76	2.77
For >1 In 12 Slope To 3 In 12 Slope, Add	0.41	
For >3 In 12 Slope To 5 In 12 Slope, Add	0.69	
For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.03	
For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.34	
For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	1.65	
For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.61	
For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	3.30	
For Each SF Of 24 Gauge Wall Panel, Add	0.43	
For Each SF Of Lap Roof, Deduct	-0.76	
For Each SF Of Hip Roof, Add	0.40	
For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0086 GSF 16' Eave Height, >120' To 150' Wide, Double Post 3-Span Frame Building With 26 Gauge Roofing And Siding	14.23	2.86
For >1 In 12 Slope To 3 In 12 Slope, Add	0.43	
For >3 In 12 Slope To 5 In 12 Slope, Add	0.71	
For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.07	
For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.39	
For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	1.71	
For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.70	
For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	3.42	
For Each SF Of 24 Gauge Wall Panel, Add	0.44	
For Each SF Of Lap Roof, Deduct	-0.76	
For Each SF Of Hip Roof, Add	0.41	
For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0087 GSF 18' Eave Height, >120' To 150' Wide, Double Post 3-Span Frame Building With 26 Gauge Roofing And Siding	14.77	2.97
For >1 In 12 Slope To 3 In 12 Slope, Add	0.44	
For >3 In 12 Slope To 5 In 12 Slope, Add	0.74	
For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.11	
For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.44	
For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	1.77	
For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.81	
For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	3.54	
For Each SF Of 24 Gauge Wall Panel, Add	0.46	
For Each SF Of Lap Roof, Deduct	-0.76	
For Each SF Of Hip Roof, Add	0.43	
For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0088 GSF 20' Eave Height, >120' To 150' Wide, Double Post 3-Span Frame Building With 26 Gauge Roofing And Siding	15.28	3.09
For >1 In 12 Slope To 3 In 12 Slope, Add	0.46	
For >3 In 12 Slope To 5 In 12 Slope, Add	0.76	
For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.15	
For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.49	
For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	1.83	
For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.90	
For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	3.67	
For Each SF Of 24 Gauge Wall Panel, Add	0.47	
For Each SF Of Lap Roof, Deduct	-0.76	
For Each SF Of Hip Roof, Add	0.44	
For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0089 GSF 24' Eave Height, >120' To 150' Wide, Double Post 3-Span Frame Building With 26 Gauge Roofing And Siding	17.31	3.31
For >1 In 12 Slope To 3 In 12 Slope, Add	0.52	
For >3 In 12 Slope To 5 In 12 Slope, Add	0.87	
For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.30	
For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.69	
For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.08	
For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.29	
For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	4.15	
For Each SF Of 24 Gauge Wall Panel, Add	0.54	
For Each SF Of Lap Roof, Deduct	-0.76	
For Each SF Of Hip Roof, Add	0.46	
For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0090 Triple Post 4-Span Frame Pre-Engineered Metal Buildings <small>(13 34 19 00-0001)</small>		
Note: Includes a primer coated structural frame, a painted 26 gauge exterior wall and roof.		
13 34 19 00-0091 Up To 160' Wide Triple Post 4-Span Frame Pre-Engineered Metal Building <small>(13 34 19 00-0090)</small>		

13 Special Construction**13 30 Special Structures****13 34 Fabricated Engineered Structures**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
13 34 19 00-0092 GSF 14' Eave Height, Up To 160' Wide, Triple Post 4-Span Frame Building With 26 Gauge Roofing And Siding	13.22	2.63
For >1 In 12 Slope To 3 In 12 Slope, Add	0.40	
For >3 In 12 Slope To 5 In 12 Slope, Add	0.66	
For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	0.99	
For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.29	
For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	1.59	
For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.51	
For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	3.17	
For Each SF Of 24 Gauge Wall Panel, Add	0.41	
For Each SF Of Lap Roof, Deduct	-0.76	
For Each SF Of Hip Roof, Add	0.39	
For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0093 GSF 16' Eave Height, Up To 160' Wide, Triple Post 4-Span Frame Building With 26 Gauge Roofing And Siding	13.78	2.73
For >1 In 12 Slope To 3 In 12 Slope, Add	0.41	
For >3 In 12 Slope To 5 In 12 Slope, Add	0.69	
For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.03	
For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.34	
For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	1.65	
For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.62	
For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	3.31	
For Each SF Of 24 Gauge Wall Panel, Add	0.43	
For Each SF Of Lap Roof, Deduct	-0.76	
For Each SF Of Hip Roof, Add	0.40	
For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0094 GSF 18' Eave Height, Up To 160' Wide, Triple Post 4-Span Frame Building With 26 Gauge Roofing And Siding	14.26	2.81
For >1 In 12 Slope To 3 In 12 Slope, Add	0.43	
For >3 In 12 Slope To 5 In 12 Slope, Add	0.71	
For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.07	
For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.39	
For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	1.71	
For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.71	
For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	3.42	
For Each SF Of 24 Gauge Wall Panel, Add	0.44	
For Each SF Of Lap Roof, Deduct	-0.76	
For Each SF Of Hip Roof, Add	0.41	
For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0095 GSF 20' Eave Height, Up To 160' Wide, Triple Post 4-Span Frame Building With 26 Gauge Roofing And Siding	14.69	2.90
For >1 In 12 Slope To 3 In 12 Slope, Add	0.44	
For >3 In 12 Slope To 5 In 12 Slope, Add	0.73	
For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.10	
For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.43	
For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	1.76	
For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.79	
For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	3.53	
For Each SF Of 24 Gauge Wall Panel, Add	0.46	
For Each SF Of Lap Roof, Deduct	-0.76	
For Each SF Of Hip Roof, Add	0.42	
For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0096 GSF 24' Eave Height, Up To 160' Wide, Triple Post 4-Span Frame Building With 26 Gauge Roofing And Siding	16.71	3.18
For >1 In 12 Slope To 3 In 12 Slope, Add	0.50	
For >3 In 12 Slope To 5 In 12 Slope, Add	0.84	
For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.25	
For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.63	
For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.01	
For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.17	
For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	4.01	
For Each SF Of 24 Gauge Wall Panel, Add	0.52	
For Each SF Of Lap Roof, Deduct	-0.76	
For Each SF Of Hip Roof, Add	0.45	
For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0097 >160' To 180' Wide Triple Post 4-Span Frame Pre-Engineered Metal Building		
<small>(13 34 19 00-0090)</small>		
13 34 19 00-0098 GSF 14' Eave Height, 160' To 180' Wide, Triple Post 4-Span Frame Building With 26 Gauge Roofing And Siding	13.06	2.54
For >1 In 12 Slope To 3 In 12 Slope, Add	0.39	
For >3 In 12 Slope To 5 In 12 Slope, Add	0.65	
For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	0.98	
For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.27	
For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	1.57	
For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.48	
For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	3.13	
For Each SF Of 24 Gauge Wall Panel, Add	0.41	
For Each SF Of Lap Roof, Deduct	-0.76	
For Each SF Of Hip Roof, Add	0.38	
For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	



Special Construction	13
Special Structures	13 30
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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
13 34 19 00-0099 GSF 16' Eave Height, 160' To 180' Wide, Triple Post 4-Span Frame Building With 26 Gauge Roofing And Siding	13.53	2.63
For >1 In 12 Slope To 3 In 12 Slope, Add	0.41	
For >3 In 12 Slope To 5 In 12 Slope, Add	0.68	
For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.01	
For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.32	
For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	1.62	
For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.57	
For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	3.25	
For Each SF Of 24 Gauge Wall Panel, Add	0.42	
For Each SF Of Lap Roof, Deduct	-0.76	
For Each SF Of Hip Roof, Add	0.39	
For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0100 GSF 18' Eave Height, 160' To 180' Wide, Triple Post 4-Span Frame Building With 26 Gauge Roofing And Siding	14.04	2.73
For >1 In 12 Slope To 3 In 12 Slope, Add	0.42	
For >3 In 12 Slope To 5 In 12 Slope, Add	0.70	
For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.05	
For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.37	
For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	1.68	
For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.67	
For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	3.37	
For Each SF Of 24 Gauge Wall Panel, Add	0.44	
For Each SF Of Lap Roof, Deduct	-0.76	
For Each SF Of Hip Roof, Add	0.40	
For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0101 GSF 20' Eave Height, 160' To 180' Wide, Triple Post 4-Span Frame Building With 26 Gauge Roofing And Siding	14.52	2.81
For >1 In 12 Slope To 3 In 12 Slope, Add	0.44	
For >3 In 12 Slope To 5 In 12 Slope, Add	0.73	
For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.09	
For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.42	
For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	1.74	
For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.76	
For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	3.48	
For Each SF Of 24 Gauge Wall Panel, Add	0.45	
For Each SF Of Lap Roof, Deduct	-0.76	
For Each SF Of Hip Roof, Add	0.41	
For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0102 GSF 24' Eave Height, 160' To 180' Wide, Triple Post 4-Span Frame Building With 26 Gauge Roofing And Siding	16.44	3.04
For >1 In 12 Slope To 3 In 12 Slope, Add	0.49	
For >3 In 12 Slope To 5 In 12 Slope, Add	0.82	
For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.23	
For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.60	
For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	1.97	
For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.12	
For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	3.95	
For Each SF Of 24 Gauge Wall Panel, Add	0.51	
For Each SF Of Lap Roof, Deduct	-0.76	
For Each SF Of Hip Roof, Add	0.43	
For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0103 >180' To 200' Wide Triple Post 4-Span Frame Pre-Engineered Metal Buildings (13 34 19 00-0090)		
13 34 19 00-0104 GSF 14' Eave Height, 180' To 200' Wide, Triple Post 4-Span Frame Building With 26 Gauge Roofing And Siding	12.93	2.45
For >1 In 12 Slope To 3 In 12 Slope, Add	0.39	
For >3 In 12 Slope To 5 In 12 Slope, Add	0.65	
For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	0.97	
For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.26	
For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	1.55	
For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.46	
For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	3.10	
For Each SF Of 24 Gauge Wall Panel, Add	0.40	
For Each SF Of Lap Roof, Deduct	-0.76	
For Each SF Of Hip Roof, Add	0.37	
For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0105 GSF 16' Eave Height, 180' To 200' Wide, Triple Post 4-Span Frame Building With 26 Gauge Roofing And Siding	13.30	2.54
For >1 In 12 Slope To 3 In 12 Slope, Add	0.40	
For >3 In 12 Slope To 5 In 12 Slope, Add	0.67	
For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.00	
For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.30	
For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	1.60	
For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.53	
For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	3.19	
For Each SF Of 24 Gauge Wall Panel, Add	0.41	
For Each SF Of Lap Roof, Deduct	-0.76	
For Each SF Of Hip Roof, Add	0.38	
For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	

13 Special Construction**13 30 Special Structures****13 34 Fabricated Engineered Structures**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
13 34 19 00-0106 GSF 18' Eave Height, 180' To 200' Wide, Triple Post 4-Span Frame Building With 26 Gauge Roofing And Siding	13.82	2.63
For >1 In 12 Slope To 3 In 12 Slope, Add	0.41	
For >3 In 12 Slope To 5 In 12 Slope, Add	0.69	
For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.04	
For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.35	
For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	1.66	
For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.63	
For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	3.32	
For Each SF Of 24 Gauge Wall Panel, Add	0.43	
For Each SF Of Lap Roof, Deduct	-0.76	
For Each SF Of Hip Roof, Add	0.39	
For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0107 GSF 20' Eave Height, 180' To 200' Wide, Triple Post 4-Span Frame Building With 26 Gauge Roofing And Siding	14.33	2.73
For >1 In 12 Slope To 3 In 12 Slope, Add	0.43	
For >3 In 12 Slope To 5 In 12 Slope, Add	0.72	
For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.07	
For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.40	
For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	1.72	
For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.72	
For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	3.44	
For Each SF Of 24 Gauge Wall Panel, Add	0.45	
For Each SF Of Lap Roof, Deduct	-0.76	
For Each SF Of Hip Roof, Add	0.40	
For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0108 GSF 24' Eave Height, 180' To 200' Wide, Triple Post 4-Span Frame Building With 26 Gauge Roofing And Siding	16.27	2.95
For >1 In 12 Slope To 3 In 12 Slope, Add	0.49	
For >3 In 12 Slope To 5 In 12 Slope, Add	0.81	
For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.22	
For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.59	
For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	1.95	
For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.09	
For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	3.90	
For Each SF Of 24 Gauge Wall Panel, Add	0.51	
For Each SF Of Lap Roof, Deduct	-0.76	
For Each SF Of Hip Roof, Add	0.42	
For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0109 Metal Building Options (13 34 19 00-0001)		
Note: For use with metal buildings only. See CSI section 08 12 13 13-0000 for metal door frames, 08 13 13 13-0000 for metal doors, 08 33 23 00-0000 for coiling roll-up doors, 08 36 13 00-0000 for sectional doors, 08 51 13 00-0065 for sliding windows, 08 71 23 00-0000 for door hardware.		
13 34 19 00-0110 Metal Framing For Rough Openings (13 34 19 00-0109)		
13 34 19 00-0111 EA Single Door, Metal Frame Rough Opening	352.92	101.65
13 34 19 00-0112 EA Double Door, Metal Frame Rough Opening	527.77	131.60
13 34 19 00-0113 EA 10' x 10' Overhead Door, Metal Frame Rough Opening	606.37	124.79
13 34 19 00-0114 EA 12' x 12' Overhead Door, Metal Frame Rough Opening	652.12	127.06
13 34 19 00-0115 EA 14' x 14' Overhead Door, Metal Frame Rough Opening	690.73	131.60
13 34 19 00-0116 EA Up To 12 SF, Window Opening, Metal Frame Rough Opening	341.41	101.65
13 34 19 00-0117 EA >12 To 18 SF, Window Opening, Metal Frame Rough Opening	384.08	115.53
13 34 19 00-0118 LF Additional Girts	8.39	
13 34 19 00-0119 Wall Panel Options For Metal Buildings (13 34 19 00-0109)		
Note: Upgrade from 26 gauge wall panels.		
13 34 19 00-0120 SF Upgrade To 2" Thick Insulated Wall Panel, Metal-Span CF Mesa Profile	8.77	
Note: 24 gauge exterior and 24 gauge interior panels.		
For AZ-50 Aluminum-Zinc Coated Exterior, Add	0.24	
For Premium Exterior Colors, Add	0.12	
13 34 19 00-0121 SF Upgrade To 2-1/2" Thick Insulated Wall Panel, Metal-Span CF Mesa Profile	10.96	
Note: 24 gauge exterior and 24 gauge interior panels.		
For AZ-50 Aluminum-Zinc Coated Exterior, Add	0.24	
For Premium Exterior Colors, Add	0.12	
13 34 19 00-0122 SF Upgrade To 3" Thick Insulated Wall Panel, Metal-Span CF Mesa Profile	12.96	
Note: 24 gauge exterior and 24 gauge interior panels.		
For AZ-50 Aluminum-Zinc Coated Exterior, Add	0.24	
For Premium Exterior Colors, Add	0.12	
13 34 19 00-0123 SF Upgrade To 4" Thick Insulated Wall Panel, Metal-Span CF Mesa Profile	15.36	
Note: 24 gauge exterior and 24 gauge interior panels.		
For AZ-50 Aluminum-Zinc Coated Exterior, Add	0.24	
For Premium Exterior Colors, Add	0.12	
13 34 19 00-0124 Roofing Options For Metal Buildings (13 34 19 00-0109)		
Note: Upgrade from 26 gauge standing seam roof panels.		
13 34 19 00-0125 SF Upgrade To 24 Gauge Galvanized Steel Standing Seam Roof	0.77	
13 34 19 00-0126 SF Upgrade To 4" Thick Insulated Roof Panel, Metal-Span III, CFR-42	11.95	
Note: 24 gauge exterior and 24 gauge interior panels.		
For AZ-50 Aluminum-Zinc Coated Exterior, Add	0.24	
For Premium Exterior Colors, Add	0.12	
13 34 19 00-0127 SF Upgrade To 5" Thick Insulated Roof Panel, Metal-Span III, CFR-42	12.90	
Note: 24 gauge exterior and 24 gauge interior panels.		
For AZ-50 Aluminum-Zinc Coated Exterior, Add	0.24	
For Premium Exterior Colors, Add	0.12	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
13 34 19 00-0128 SF Upgrade To 6" Thick Insulated Roof Panel, Metal-Span III, CFR-42 13.68 Note: 24 gauge exterior and 24 gauge interior panels. <i>For AZ-50 Aluminum-Zinc Coated Exterior, Add</i> 0.24 <i>For Premium Exterior Colors, Add</i> 0.12		
13 34 19 00-0129 EA 3' x 10' Translucent Fiberglass Panels 136.53		39.03
13 34 19 00-0130 LF Vented Ridge Vent For Standing Seam Roof 23.90		
13 34 19 00-0131 Insulation For Metal Buildings <small>(13 34 19 00-0109)</small>		
13 34 19 00-0132 SF 1-1/2" Thick, R-5.5, Foil/Scrim/Kraft (FSK), Faced Metal Building Insulation..... 1.05		0.32
13 34 19 00-0133 SF 2-1/2" Thick, R-8, Foil/Scrim/Kraft (FSK), Faced Metal Building Insulation..... 1.15		0.32
13 34 19 00-0134 SF 3-1/2" Thick, R-11, Foil/Scrim/Kraft (FSK), Faced Metal Building Insulation..... 1.31		0.43
13 34 19 00-0135 SF 3-1/2" Thick, R-13, Foil/Scrim/Kraft (FSK), Faced Metal Building Insulation..... 1.48		0.43
13 34 19 00-0136 SF 6" Thick, R-19, Foil/Scrim/Kraft (FSK), Faced Metal Building Insulation..... 1.82		0.43
13 34 19 00-0137 SF 1-1/2" Thick, R-5.5, Polyester/Scrim/Kraft (PSK), Faced Metal Building Insulation 1.23		0.32
13 34 19 00-0138 SF 2-1/2" Thick, R-8, Polyester/Scrim/Kraft (PSK), Faced Metal Building Insulation 1.34		0.32
13 34 19 00-0139 SF 3-1/2" Thick, R-11, Polyester/Scrim/Kraft (PSK), Faced Metal Building Insulation 1.46		0.43
13 34 19 00-0140 SF 3-1/2" Thick, R-13, Polyester/Scrim/Kraft (PSK), Faced Metal Building Insulation 1.59		0.43
13 34 19 00-0141 SF 6" Thick, R-19, Polyester/Scrim/Kraft (PSK), Faced Metal Building Insulation 1.88		0.43
13 34 19 00-0142 SF 1-1/2" Thick, R-5.5, Vinyl/Scrim/Kraft (VSK), Faced Metal Building Insulation 1.18		0.32
13 34 19 00-0143 SF 2-1/2" Thick, R-8, Vinyl/Scrim/Kraft (VSK), Faced Metal Building Insulation 1.30		0.32
13 34 19 00-0144 SF 3-1/2" Thick, R-11, Vinyl/Scrim/Kraft (VSK), Faced Metal Building Insulation 1.53		0.43
13 34 19 00-0145 SF 3-1/2" Thick, R-13, Vinyl/Scrim/Kraft (VSK), Faced Metal Building Insulation 1.67		0.43
13 34 19 00-0146 SF 6" Thick, R-19, Vinyl/Scrim/Kraft (VSK), Faced Metal Building Insulation..... 1.93		0.43
13 34 19 00-0147 SF 2" Thick, R-6.5, Polypropylene/Scrim/Kraft, Faced Metal Building Insulation 1.11		0.32
13 34 19 00-0148 SF 3" Thick, R-10, Polypropylene/Scrim/Kraft, Faced Metal Building Insulation 1.17		0.32
13 34 19 00-0149 SF 4" Thick, R-13, Polypropylene/Scrim/Kraft, Faced Metal Building Insulation 1.32		0.43
13 34 19 00-0150 SF 6" Thick, R-19, Polypropylene/Scrim/Kraft, Faced Metal Building Insulation 1.62		0.43
13 34 19 00-0151 SF 2" Thick, R-6.5, Polypropylene/Scrim/Metalized Polyester, Faced Metal Building Insulation..... 1.12		0.32
13 34 19 00-0152 SF 3" Thick, R-10, Polypropylene/Scrim/Metalized Polyester, Faced Metal Building Insulation..... 1.19		0.32
13 34 19 00-0153 SF 4" Thick, R-13, Polypropylene/Scrim/Metalized Polyester, Faced Metal Building Insulation..... 1.34		0.43
13 34 19 00-0154 SF 6" Thick, R-19, Polypropylene/Scrim/Metalized Polyester, Faced Metal Building Insulation..... 1.65		0.43
13 34 19 00-0155 SF 2" Thick, R-6.5, Black Matte Polypropylene/Fiberglass Polyester Blend Fabric, Faced Metal Building Insulation..... 1.43		0.32
13 34 19 00-0156 SF 3" Thick, R-10, Black Matte Polypropylene/Fiberglass Polyester Blend Fabric, Faced Metal Building Insulation..... 1.52		0.32
13 34 19 00-0157 SF 4" Thick, R-13, Black Matte Polypropylene/Fiberglass Polyester Blend Fabric, Faced Metal Building Insulation 1.68		0.43
13 34 19 00-0158 SF 6" Thick, R-19, Black Matte Polypropylene/Fiberglass Polyester Blend Fabric, Faced Metal Building Insulation..... 1.98		0.43
13 34 19 00-0159 Eave And Overhang Options For Metal Buildings <small>(13 34 19 00-0109)</small>		
13 34 19 00-0160 LF 2' End Wall Roof Overhang And 26 Gauge Soffit 26.38		7.08
13 34 19 00-0161 LF 4' End Wall Roof Overhang And 26 Gauge Soffit 39.46		5.08
13 34 19 00-0162 SF Up To 20 SF, Prefinished Aluminum, Wall Hung Canopy 54.30		11.34
Note: Up to 7' projection from wall. Includes finished underside and edges.		
<i>For End Braced (Up To 16' Wall Projection), Add</i> 12.44		
<i>For Overhead Braced (Up To 10' Wall Projection), Add</i> 7.01		
13 34 19 00-0163 SF >20 To 50 SF, Prefinished Aluminum, Wall Hung Canopy 45.40		9.53
Note: Up to 7' projection from wall. Includes finished underside and edges.		
<i>For End Braced (Up To 16' Wall Projection), Add</i> 10.40		
<i>For Overhead Braced (Up To 10' Wall Projection), Add</i> 5.86		
13 34 19 00-0164 SF >50 SF, Prefinished Aluminum, Wall Hung Canopy..... 35.08		8.17
Note: Up to 7' projection from wall. Includes finished underside and edges.		
<i>For End Braced (Up To 16' Wall Projection), Add</i> 7.95		
<i>For Overhead Braced (Up To 10' Wall Projection), Add</i> 4.45		
13 34 19 00-0165 SF Up To 50 SF, Prefinished Aluminum, Free Standing Canopy 68.66		17.25
Note: Includes finished underside and edges.		
13 34 19 00-0166 SF >50 SF, Prefinished Aluminum, Free Standing Canopy..... 45.33		10.44
Note: Includes finished underside and edges.		
13 34 19 00-0167 LF 1' Standard Eave Overhang Without Soffit 25.78		
13 34 19 00-0168 LF 2' Standard Eave Overhang Without Soffit 32.18		
13 34 19 00-0169 LF 3' Standard Eave Overhang Without Soffit 38.87		
13 34 19 00-0170 LF 4' Standard Eave Overhang Without Soffit 45.44		
13 34 19 00-0171 LF 6' Standard Eave Overhang Without Soffit 57.84		
13 34 19 00-0172 LF 1' Standard Eave Overhang And 26 Gauge Soffit 34.03		
<i>For 24 Gauge, Add</i> 3.36		
13 34 19 00-0173 LF 2' Standard Eave Overhang And 26 Gauge Soffit 42.43		
<i>For 24 Gauge, Add</i> 4.24		
13 34 19 00-0174 LF 3' Standard Eave Overhang And 26 Gauge Soffit 51.09		
<i>For 24 Gauge, Add</i> 5.08		
13 34 19 00-0175 LF 4' Standard Eave Overhang And 26 Gauge Soffit 59.78		
<i>For 24 Gauge, Add</i> 5.92		
13 34 19 00-0176 LF 6' Standard Eave Overhang And 26 Gauge Soffit 76.25		
<i>For 24 Gauge, Add</i> 7.63		
13 34 19 00-0177 Louvers And Vents For Metal Buildings <small>(13 34 19 00-0109)</small>		
13 34 19 00-0178 EA 4' x 3' Fixed Louver 452.77		141.58
13 34 19 00-0179 EA 12" Rotary Vent With Damper..... 277.96		90.76
13 34 19 00-0180 EA 20" Rotary Vent With Damper..... 465.03		121.16
13 34 19 00-0181 EA 24" Rotary Vent With Damper..... 600.43		136.14
13 34 19 00-0182 EA Gravity Ridge Ventilator With Birdscreen, 9" Throat x 10'..... 704.58		181.52
13 34 19 00-0183 EA Gravity Ridge Ventilator With Birdscreen, 12" Throat x 10'..... 743.46		181.52
13 34 19 00-0184 EA Ridge Ventilator - 9" Throat X 10 Ft, Manually Operated Damper With Birdscreen..... 845.21		181.52

13	Special Construction
13 30	Special Structures
13 34	Fabricated Engineered Structures



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
13 34 19 00-0185 EA Ridge Ventilator - 12" Throat X 10 Ft, Manually Operated Damper With Birdscreen	912.18	181.52
13 34 19 00-0186 EA Ridge Ventilator - 15" Throat X 10 Ft, Manually Operated Damper With Birdscreen	985.85	181.52
13 34 19 00-0187 EA Ridge Ventilator - 18" Throat X 10 Ft, Manually Operated Damper With Birdscreen	1,059.52	181.52
13 34 19 00-0188 EA Ridge Ventilator - 9" Throat X 10 Ft, Motor Operated Damper With Birdscreen	1,384.67	226.90
13 34 19 00-0189 EA Ridge Ventilator - 12" Throat X 10 Ft, Motor Operated Damper With Birdscreen	1,505.22	226.90
13 34 19 00-0190 Gutters And Downspouts For Metal Buildings (13 34 19 00-0109)		
13 34 19 00-0191 LF Pre-Engineered Standard Type Gutter, Painted	9.89	2.26
<i>For Galvanized Instead Of Painted, Deduct</i>	-1.34	
13 34 19 00-0192 LF Pre-Engineered Standard Type Downspout, Painted	8.49	3.18
<i>For Galvanized Instead Of Painted, Deduct</i>	-0.54	
13 34 23 Fabricated Structures (13 34)		
13 34 23 13 Portable And Mobile Buildings (13 34 23)		
Note: Includes material, delivery to site, factory design analysis and report, shop drawings and assembly of building on site. Tie down with hurricane anchors on approved foundation. Excludes utility hook-ups and foundation.		
13 34 23 13-0001 Prefabricated Signal, Communication Or Electrical Building (13 34 23 13)		
Note: Complete, includes door, roof, lights and wiring, insulation, painted.		
13 34 23 13-0002 SF 15 SF To 29 SF Prefabricated Signal, Communication Or Electrical Building	454.01	
13 34 23 13-0003 SF 30 SF To 49 SF Prefabricated Signal, Communication Or Electrical Building	389.42	
13 34 23 13-0004 SF 50 SF To 79 SF Prefabricated Signal, Communication Or Electrical Building	311.68	
13 34 23 13-0005 SF 80 SF To 99 SF Prefabricated Signal, Communication Or Electrical Building	246.62	
13 34 23 13-0006 SF 100 SF To 144 SF Prefabricated Signal, Communication Or Electrical Building	220.44	
13 34 23 13-0007 Relocate Trailer Within 5 Miles (13 34 23 13)		
Note: Includes removal of tie-downs and underpins. Set-up tie-downs.		
13 34 23 13-0008 EA Relocate Single Trailer Within 5 Miles	893.47	
13 34 23 13-0009 SF Install Under-Pinning.....	2.54	
13 34 23 13-0010 Temporary Trailers 1 To 6 Years Life (13 34 23 13)		
Note: Includes cost to set-up, underpin, tie-downs, HVAC unit, lights, outlets, phone jacks, two wooden landings, stairs, and handrails. Trailers shall have a 12' x 12' office area and 6' x 8' bathroom with sink, mirror, and water closet. Minimum of two pedestrian doors and a tinted/insulated 3' x 4' single hung window per 20 SF of wall area. Excludes connection of utilities.		
13 34 23 13-0011 SF Single Trailer Up To 14' x 73'	33.89	
<i>For Each Delivery And Set-Up (Block And Level), Add</i>	1,226.73	
<i>For Each Knock-Down And Pick-Up, Add</i>	946.73	
<i>For Each Anchoring Into Asphalt Or Concrete, Add</i>	110.00	
13 34 23 13-0012 SF Modular Trailers, Connected.....	47.45	
<i>For Each Anchoring Into Asphalt Or Concrete, Add</i>	110.00	
<i>For Each Delivery And Set-Up (Block And Level), Add</i>	2,665.58	
<i>For Each Knock-Down And Pick-Up, Add</i>	2,015.58	
13 34 23 13-0013 EA Add Per Additional Exterior Door With Frame And Hardware	508.39	
13 34 23 13-0014 Accessories (13 34 23 13)		
13 34 23 13-0015 Skirting (13 34 23 13-0014)		
Note: Includes 2" x 4" wood framing 16" on center.		
13 34 23 13-0016 Vinyl Covered, Exterior Only (13 34 23 13-0015)		
13 34 23 13-0017 SF 1'-8" High Vinyl Covered Skirt.....	3.56	1.55
13 34 23 13-0018 SF 3' High Vinyl Covered Skirt	5.38	2.55
13 34 23 13-0019 Fiberglass, Exterior Only (13 34 23 13-0015)		
13 34 23 13-0020 SF 1'-8" High Fiberglass Skirt.....	7.04	2.92
13 34 23 13-0021 SF 3' High Fiberglass Skirt.....	8.23	3.55
13 34 23 13-0022 Plywood, Exterior Only (13 34 23 13-0015)		
13 34 23 13-0023 SF 1'-8" High 5/8" Plywood Skirt	6.39	3.09
13 34 23 13-0024 SF 3' High 5/8" Plywood Skirt.....	7.59	3.73
13 34 23 13-0025 Steel, Painted, Exterior Only (13 34 23 13-0015)		
13 34 23 13-0026 SF 1'-8" High 26 Gauge Steel Skirt	6.96	2.92
13 34 23 13-0027 SF 3' High 26 Ga. Steel Skirt.....	8.17	3.55
13 34 23 13-0028 14" x 14" Access Hatch (13 34 23 13-0014)		
Note: Simple design.		
13 34 23 13-0029 EA 14" x 14" Vinyl Covered Access Hatch	173.49	68.32
13 34 23 13-0030 EA 14" x 14" Fiberglass Access Hatch	166.42	68.32
13 34 23 13-0031 EA 14" x 14" Plywood Access Hatch	172.52	68.32
13 34 23 13-0032 EA 14" x 14" 26 Gauge Steel Access Hatch.....	173.31	68.32



Special Construction	13
Special Structures	13 30
Fabricated Engineered Structures	13 34

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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13 34 23 13-0033 Aluminum Modular Access Ramp <small>(13 34 23 13-0014)</small>		
Note: Includes picketed guardrails, inside grabrails, legs and hardware.		
13 34 23 13-0034 EA 72" Long x 52-1/4" Wide Ramp Section, Aluminum Modular Access Ramp	1,879.55	22.77
13 34 23 13-0035 EA 60-1/4" Long x 61-3/4" Wide Door Landing Section, Aluminum Modular Access Ramp	1,906.88	29.61
13 34 23 13-0036 EA 60-1/4" Long x 123-1/2" Wide Switchback Landing Section, Aluminum Modular Access Ramp	3,906.49	45.55
13 34 23 13-0037 EA 110-3/4" Long x 72" Wide Switchback Landing Section, Aluminum Modular Access Ramp	4,205.03	45.55
13 34 23 13-0038 EA 60-1/4" Long x 61-3/4" Wide Intermediate Landing Section, Aluminum Modular Access Ramp	1,981.51	29.61
13 34 23 13-0039 EA 71-3/4" Long x 52-1/4" Wide Intermediate Landing Section, Aluminum Modular Access Ramp	1,954.18	22.77
13 34 23 13-0040 EA 84-1/2" Long x 61-3/4" Wide Intermediate Landing Section, Aluminum Modular Access Ramp	2,726.00	29.61
13 34 23 13-0041 EA 30" High x 82" Long x 52-3/8" Wide Step Section, Aluminum Modular Access Ramp	1,945.13	29.61
13 34 23 13-0042 EA 35" High x 96" Long x 52-3/8" Wide Step Section, Aluminum Modular Access Ramp	1,945.13	29.61
13 34 23 13-0043 EA 42" High x 110" Long x 52-3/8" Wide Step Section, Aluminum Modular Access Ramp	2,209.15	29.61
13 34 23 13-0044 EA 49" High x 124" Long x 52-3/8" Wide Step Section, Aluminum Modular Access Ramp	2,471.30	29.61

13 34 23 14 Fabricated Classroom Buildings (13 34 23)

13 34 23 14-0001 Semi Permanent Modular Transportable Buildings <small>(13 34 23 14)</small>		
13 34 23 14-0002 SF Portable Classrooms, Complete With Doors, Windows, Fixtures, Toilets And Workroom	50.50	
For Each Anchoring Into Asphalt Or Concrete, Add	110.00	
For Each Delivery And Set-Up (Block And Level), Add	2,665.58	
For Each Knock-Down And Pick-Up, Add	2,015.58	
13 34 23 14-0003 SF Modular Classroom, Connected, Complete With Doors, Windows, Fixtures, Toilets And Teachers Work Room	51.99	
For Each Anchoring Into Asphalt Or Concrete, Add	110.00	
For Each Delivery And Set-Up (Block And Level), Add	2,665.58	
For Each Knock-Down And Pick-Up, Add	2,015.58	

13 34 23 16 Fabricated Control Booths (13 34 23)

13 34 23 16-0001 Fabricated Parking Attendant Booths <small>(13 34 23 16)</small>		
Note: Excludes foundations and slab.		
13 34 23 16-0002 EA Parking Booth For Attendant	1,053.32	

13 34 23 31 Fabricated Pavilion Style Buildings (13 34 23)

13 34 23 31-0001 Pavilion Style Metal Shelter Structures <small>(13 34 23 31)</small>		
Note: Prefabricated open structure system, complete with all necessary hardware. Hip roof, steel structural rafters and columns, urethane/polyester (TGIC) powder finish, aluminum roof decking, 8' height at perimeter. Excludes foundations and slab. Americana or equal.		
13 34 23 31-0002 EA 12' x 12' Metal Shelter Structure	7,692.77	1,740.39
13 34 23 31-0003 EA 16' x 16' Metal Shelter Structure	8,967.66	1,816.09
13 34 23 31-0004 EA 16' x 32' Metal Shelter Structure	11,328.01	1,937.17
13 34 23 31-0005 EA 20' x 20' Metal Shelter Structure	10,657.00	1,876.63
13 34 23 31-0006 EA 20' x 30' Metal Shelter Structure	13,107.66	2,058.23
13 34 23 31-0007 EA 20' x 40' Metal Shelter Structure	15,522.65	2,118.77
13 34 23 31-0008 EA 24' x 24' Metal Shelter Structure	12,925.74	1,937.17
13 34 23 31-0009 EA 24' x 48' Metal Shelter Structure	18,155.16	2,421.45
13 34 23 31-0010 EA 30' x 30' Metal Shelter Structure	17,480.18	2,421.45
13 34 23 31-0011 EA 30' x 60' Metal Shelter Structure	31,554.09	3,026.82
13 34 23 31-0012 EA 40' x 40' Metal Shelter Structure	29,595.65	3,782.84
13 34 23 31-0013 EA 40' x 60' Metal Shelter Structure	42,374.64	4,237.55

13 40 Integrated Construction (13)

13 42 Building Modules (13 40)

13 42 63 Detention Cell Modules (13 42)

13 42 63 16 Steel Detention Cell Modules (13 42 63)

13 42 63 16-0001 EA Bar Front, Rolling, 7/8" Bars, 4" On Center, 7' High, 5' Wide	10,653.28	722.80
Note: With hardware.		
13 42 63 16-0002 EA Cells, Prefabricated, 5'-6" Wide, 7'-8" High, Bar Front, Cot	16,255.03	967.84
Note: Not including plumbing.		
13 42 63 16-0003 SF Temporary Holding Cell, 1/4" Woven Rod Panels On 2" Centers	71.10	6.85
Note: Includes 12 gauge steel frame and concealment plates.		
13 42 63 16-0004 SF Solid Security Ceiling, 14 Gauge Formed Steel Channels	54.66	6.85
Note: 20" wide, 14 gauge galvanized steel face sheet, 10 gauge steel wall angle, backed polyester powder finish.		
13 42 63 16-0005 SF Perforated Metal Crime Shield	49.85	2.84

13 47 Facility Protection (13 40)

13 47 13 Cathodic Protection (13 47)

13 47 13 13 Cathodic Protection for Underground and Submerged Piping (13 47 13)

13 47 13 13-0001 Anodes <small>(13 47 13 13)</small>		
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13 Special Construction**13 40 Integrated Construction****13 47 Facility Protection**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
13 47 13 13-0002 Magnesium Type, Conventional (13 47 13 13-0001)		
13 47 13 13-0003 EA 9 LB Magnesium Type Anodes.....	317.52	142.09
13 47 13 13-0004 EA 17 LB Magnesium Type Anodes.....	468.99	205.37
13 47 13 13-0005 EA 32 LB Magnesium Type Anode.....	634.21	264.19
13 47 13 13-0006 EA 48 LB Magnesium Type Anode.....	900.67	369.65
13 47 13 13-0007 Graphite Type (13 47 13 13-0001)		
Note: Includes epoxy cap.		
13 47 13 13-0008 EA 3" x 60" (32 LB) Graphite Type Anodes With Epoxy Cap	492.03	210.58
13 47 13 13-0009 EA 4" x 80" (68 LB) Graphite Type Anodes With Epoxy Cap	752.21	294.05
13 47 13 13-0010 EA 6" x 36" (45 LB) Graphite Type Anodes With Epoxy Cap	549.73	184.03
13 47 13 13-0011 EA 6" x 72" (80 LB) Graphite Type Anodes With Epoxy Cap	826.52	245.68
13 47 13 13-0012 Rectifiers (13 47 13 13)		
13 47 13 13-0013 Air Cooled, Silicon Type (13 47 13 13-0012)		
13 47 13 13-0014 EA Air Cooled Rectifiers, 28 Volt, 10 Amp Silicon Type	1,395.92	298.82
13 47 13 13-0015 EA Air Cooled Rectifiers, 20 Volt / 20 Amp Silicon Type	1,495.57	298.82
13 47 13 13-0016 Oil Immersed, Silicon Type (13 47 13 13-0012)		
13 47 13 13-0017 EA Oil Immersed Rectifiers, 28 Volt, 10 Amp Silicon Type.....	2,042.98	345.52
13 47 13 13-0018 EA Oil Immersed Rectifiers, 20 Volt / 20 Amp Silicon Type.....	2,149.76	345.52
13 47 13 13-0019 Anode Backfill (13 47 13 13)		
13 47 13 13-0020 LB Anode Backfill, Coke Breeze	0.98	0.38
13 47 13 13-0021 Cathodic Protection Cable (13 47 13 13)		
13 47 13 13-0022 MLF Cathodic Protection Cable, OR2 - No 8	1,841.00	736.09
13 47 13 13-0023 MLF Cathodic Protection Cable, OR2 - No 6	2,004.36	736.09
13 47 13 13-0024 MLF Cathodic Protection Cable, OR2 - No 4	2,249.40	736.09
13 47 13 13-0025 MLF Cathodic Protection Cable, OR2 - No 2	2,657.79	736.09
13 47 13 13-0026 MLF Cathodic Protection Cable, OR2 - No 1	3,252.74	811.02
13 47 13 13-0027 MLF Cathodic Protection Cable, OR2-No 1/0	3,559.03	811.02
13 47 13 13-0028 MLF Cathodic Protection Cable, OR2-No 2/0	4,069.52	811.02
13 47 13 13-0029 MLF Cathodic Protection Cable, OR2-No 4/0	5,440.14	884.07
13 47 13 13-0030 Cathodic Test Stations (13 47 13 13)		
13 47 13 13-0031 Flush Curb Box Type With Lockable Cover And Terminal Box (13 47 13 13-0030)		
13 47 13 13-0032 EA Cathodic Test Station, Flush Curb Type With Lockable Cover	243.38	86.12
13 47 13 16 Cathodic Protection For Underground Storage Tanks (13 47 13)		
See CSI section 13 47 13 13-0000 for cathodic protection for tanks.		
13 48 Sound, Vibration, And Seismic Control (13 40)		
13 48 63 Fabricated Seismic Control Assemblies (13 48)		
13 48 63 00-0001 Seismic Bracing Assembly (13 48 63)		
13 48 63 00-0002 EA 4-Bolt Deck Anchor Connection For Seismic Brace.....	116.09	
Note: Includes drilling into concrete, bolts, anchor plate, seismic bracket attached with bolt, nut and washer.		
13 48 63 00-0003 EA 2 Cable Seismic Brace With Center Threaded Rod Stiffener.....	114.16	
Note: Includes seismic bracket, bolts, and cable for attachment to ceiling anchor. Excludes deck anchors.		
13 48 63 00-0004 EA 3 Cable Seismic Brace With Center Threaded Rod Stiffener.....	171.89	
Note: Includes seismic bracket, bolts, and cable for attachment to ceiling anchor. Excludes deck anchors.		
13 48 63 00-0005 EA 4 Cable Seismic Brace With Center Threaded Rod Stiffener.....	222.78	
Note: Includes seismic bracket, bolts, and cable for attachment to ceiling anchor. Excludes deck anchors.		
13 48 63 00-0006 EA 2 Channel Seismic Brace With Center Threaded Rod Stiffener.....	210.86	
Note: Includes seismic bracket, bolts, and channel for attachment to ceiling anchor. Excludes deck anchors.		
13 48 63 00-0007 EA 3 Channel Seismic Brace With Center Threaded Rod Stiffener.....	313.51	
Note: Includes seismic bracket, bolts, and channel for attachment to ceiling anchor. Excludes deck anchors.		
13 48 63 00-0008 EA 4 Channel Seismic Brace With Center Threaded Rod Stiffener.....	416.18	
Note: Includes seismic bracket, bolts, and channel for attachment to ceiling anchor. Excludes deck anchors.		
13 48 63 00-0009 EA 2 Rod Seismic Brace With Center Threaded Rod Stiffener	135.21	
Note: Includes seismic bracket, bolts, and rod for attachment to ceiling anchor. Excludes deck anchors.		
13 48 63 00-0010 EA 3 Rod Seismic Brace With Center Threaded Rod Stiffener	200.03	
Note: Includes seismic bracket, bolts, and rod for attachment to ceiling anchor. Excludes deck anchors.		
13 48 63 00-0011 EA 4 Rod Seismic Brace With Center Threaded Rod Stiffener	264.86	
Note: Includes seismic bracket, bolts, and rod for attachment to ceiling anchor. Excludes deck anchors.		
13 48 63 00-0012 Seismic Brace Components (13 48 63)		
13 48 63 00-0013 EA 1/8" Cable Diameter Seismic Cable Brace Swivel Anchor; Mason SCB-1.....	23.32	
Note: To be used with 7x19 stranded cable.		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
13 48 63 00-0014 EA 3/16" Cable Diameter Seismic Cable Brace Swivel Anchor; Mason SCB-2..... Note: To be used with 7x19 stranded cable.	29.93	
13 48 63 00-0015 EA 1/4" Cable Diameter Seismic Cable Brace Swivel Anchor; Mason SCB-3..... Note: To be used with 7x19 stranded cable.	37.87	
13 48 63 00-0016 EA 3/8" Cable Diameter Seismic Cable Brace Swivel Anchor; Mason SCB-4..... Note: To be used with 7x19 stranded cable.	49.75	
13 48 63 00-0017 EA Seismic Solid Brace Swivel Anchor; Mason SSB-1..... Note: To be used with angle or channel.	22.24	
13 48 63 00-0018 EA Seismic Solid Brace Swivel Anchor; Mason SSB-2..... Note: To be used with angle or channel.	28.06	
13 48 63 00-0019 EA Seismic Solid Brace Swivel Anchor; Mason SSB-3..... Note: To be used with angle or channel.	35.12	
13 48 63 00-0020 EA Seismic Solid Brace Swivel Anchor; Mason SSB-4..... Note: To be used with angle or channel.	45.51	
13 48 63 00-0021 EA 1/8" Cable Diameter Seismic Cable Brace Hook Anchor; Mason SCBH-1..... Note: To be used with 7x19 stranded cable.	25.77	
13 48 63 00-0022 EA 3/16" Cable Diameter Seismic Cable Brace Hook Anchor; Mason SCBH-2..... Note: To be used with 7x19 stranded cable.	32.22	
13 48 63 00-0023 EA 1/4" Cable Diameter Seismic Cable Brace Hook Anchor; Mason SCBH-3..... Note: To be used with 7x19 stranded cable.	42.60	
13 48 63 00-0024 EA 1/8" Cable Diameter Seismic Cable Brace Vise Anchor; Mason SCBV-1..... Note: Can be used with either SCB or SCBH on the other end. To be used with 7x19 stranded cable.	40.94	
13 48 63 00-0025 EA 3/16" Cable Diameter Seismic Cable Brace Vise Anchor; Mason SCBV-2..... Note: Can be used with either SCB or SCBH on the other end. To be used with 7x19 stranded cable.	55.28	
13 48 63 00-0026 EA 1/4" Cable Diameter Seismic Cable Brace Vise Anchor; Mason SCBV-3..... Note: Can be used with either SCB or SCBH on the other end. To be used with 7x19 stranded cable.	73.36	
13 48 63 00-0027 EA Seismic Rod Clamp; Mason SRC-1..... Note: To be used on 3/8" through 5/8" rod. 1" x 1" x 1/4" Angle or Stiffener not included.	18.33	
13 48 63 00-0028 EA Seismic Rod Clamp; Mason SRC-1 1/2..... Note: To be used on 3/8" through 1" rod. 1-1/2" x 1-1/2" x 1/4" Angle or Stiffener not included.	21.66	
13 48 63 00-0029 EA Seismic Rod Clamp; Mason SRC-2..... Note: To be used on 3/8" through 1-1/4" rod. 2" x 2" x 1/4" Angle or Stiffener not included.	26.23	
13 48 63 00-0030 Seismic Restraints (13 48 63)		
13 48 63 00-0031 EA 1" x 1" Seismic Fastener, Gray, Drilled With 0.187 Diameter Hole..... Note: Adhesive applied.	3.34	0.90
13 48 63 00-0032 EA 1" x 1" Seismic Fastener, Gray, Adhesive Applied.....	2.43	0.45
13 48 63 00-0033 EA 1" x 2" Seismic Fastener, Gray, Drilled With (2) 0.187 Diameter Hole..... Note: Adhesive applied.	4.33	1.13
13 48 63 00-0034 EA 1" x 2" Seismic Fastener, Gray, Adhesive Applied.....	3.09	0.56
13 48 63 00-0035 EA 2" x 2" Seismic Fastener, Gray, Adhesive Applied.....	3.90	0.65
13 48 63 00-0036 EA 2" x 3" Seismic Fastener, Gray, Adhesive Applied.....	6.33	0.79
13 48 63 00-0037 LF 3/4" Wide Seismic Strap, Gray.....	2.91	0.67
13 48 63 00-0038 LF 1" Wide Seismic Strap, Gray.....	4.07	0.67
13 48 63 00-0039 EA 3/4" Wide x 4" Long Seismic Strap, Gray.....	1.47	0.45
13 48 63 00-0040 EA 3/4" Wide x 12" Long Seismic Strap, Gray.....	6.25	1.36
13 48 63 00-0041 LF Seismic Chord, Black.....	1.92	0.67
13 48 63 00-0042 LF SAFELOK Seismic Fastener, Black.....	2.40	0.67
13 49 Radiation Protection (13 40)		
13 49 13 Integrated X-Ray Shielding Assemblies (13 49)		
13 49 13 00-0001 Lead Shielding (13 49 13)		
See CSI section 09 29 00 00-0054 for finishing tasks.		
13 49 13 00-0002 SF 1/16" Sheet Lead Shielding.....	18.03	5.42
13 49 13 00-0003 SF 1/8" Sheet Lead Shielding.....	26.11	5.87
13 49 13 00-0004 SF 1/4" Sheet Lead Shielding.....	40.89	6.33
13 49 13 00-0005 SF 1/2" Sheet Lead Shielding.....	72.72	8.14
13 49 16 Modular X-Ray Shielding Rooms (13 49)		
13 49 16 00-0001 X-Ray Barriers, Modular (13 49 16)		
Note: Panels mounted within framework for attaching to floor, wall or ceiling, upper portion is clear lead plastic window panels 48" high, lower portion is opaque leaded steel panels 36" high. Excludes structural supports.		
13 49 16 00-0002 1-Section Barrier, 36"W x 84"H (13 49 16 00-0001)		
13 49 16 00-0003 EA 0.5mm LE Panels 1-Section Modular X-Ray Barrier, 36" Wide x 84" High.....	2,551.23	123.71
13 49 16 00-0004 EA 0.8mm LE Panels 1-Section Modular X-Ray Barrier, 36" Wide x 84" High.....	2,698.91	123.71
13 49 16 00-0005 EA 1.0mm LE Panels 1-Section Modular X-Ray Barrier, 36" Wide x 84" High.....	2,807.46	148.45
13 49 16 00-0006 EA 1.5mm LE Panels 1-Section Modular X-Ray Barrier, 36" Wide x 84" High.....	2,984.68	148.45
13 49 16 00-0007 2-Section Barrier, 72"W x 84"H (13 49 16 00-0001)		
13 49 16 00-0008 EA 0.5mm LE Panels 2-Section Modular X-Ray Barrier, 72"W x 84"H.....	5,387.48	197.93
13 49 16 00-0009 EA 0.8mm LE Panels 2-Section Modular X-Ray Barrier, 72"W x 84"H.....	5,594.23	197.93
13 49 16 00-0010 EA 1.0mm LE Panels 2-Section Modular X-Ray Barrier, 72"W x 84"H.....	5,791.44	222.66
13 49 16 00-0011 EA 1.5mm LE Panels 2-Section Modular X-Ray Barrier, 72"W x 84"H.....	6,254.38	247.40

13 Special Construction**13 40 Integrated Construction****13 49 Radiation Protection**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
13 49 16 00-0012 3-Section Barrier, 108"W x 84"H <small>(13 49 16 00-0001)</small>		
13 49 16 00-0013 EA 0.5mm LE Panels 3-Section Modular X-Ray Barrier, 108"W x 84"H.....	8,115.17	247.40
13 49 16 00-0014 EA 0.8mm LE Panels 3-Section Modular X-Ray Barrier, 108"W x 84"H.....	8,499.14	247.40
13 49 16 00-0015 EA 1.0mm LE Panels 3-Section Modular X-Ray Barrier, 108"W x 84"H.....	8,745.79	296.88
13 49 16 00-0016 EA 1.5mm LE Panels 3-Section Modular X-Ray Barrier, 108"W x 84"H.....	9,385.91	321.63
13 49 16 00-0017 X-Ray Barriers, Mobile <small>(13 49 16)</small> Note: Mounted within framework with casters on bottom, clear lead plastic window panels on upper portion, opaque on lower.		
13 49 16 00-0018 30"W x 75"H, Includes Framework <small>(13 49 16 00-0017)</small>		
13 49 16 00-0019 EA 24"H Upper With 0.5mm LE, 48"H Lower With 0.8mm LE Mobile X-Ray Barriers.....	1,669.72	22.60
13 49 16 00-0020 48"W x 75"H, Includes Framework <small>(13 49 16 00-0017)</small>		
13 49 16 00-0021 EA 36"H Upper With 0.5mm LE, 36"H Lower With 0.8mm LE Mobile X-Ray Barriers.....	2,939.77	22.60
13 49 16 00-0022 EA 36"H Upper With 1.0mm LE, 36"H Lower With 0.8mm LE Mobile X-Ray Barriers.....	3,530.50	22.60
13 49 16 00-0023 72"W x 75"H, Includes Framework <small>(13 49 16 00-0017)</small>		
13 49 16 00-0024 EA 36"H Upper With 0.5mm LE, 36"H Lower With 0.8mm LE Mobile X-Ray Barriers.....	3,471.43	22.60
13 49 16 00-0025 EA 36"H Upper With 1.0mm LE, 36"H Lower With 0.8mm LE Mobile X-Ray Barriers.....	4,387.05	22.60
13 49 19 Lead-Lined Materials <small>(13 49)</small>		
13 49 19 16 Lead-Lined Drywall <small>(13 49 19)</small>		
13 49 19 16-0001 Lead Lined Drywall <small>(13 49 19 16)</small> See CSI section 09 29 00 00-0054 for finishing tasks.		
13 49 19 16-0002 SF 1/32" Lead Lined 5/8" Fire Rated Drywall	8.35	1.19
13 49 19 16-0003 SF 1/16" Lead Lined 5/8" Fire Rated Drywall	12.94	1.42
13 49 19 16-0004 SF 1/8" Lead Lined 5/8" Fire Rated Drywall	21.77	1.71

END OF SECTION 13



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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14 Conveying Equipment

14 01 Operation And Maintenance Of Conveying Equipment ⁽¹⁴⁾

14 01 20 Operation And Maintenance Of Elevators ^(14 01)

14 01 20 71 Elevator Rehabilitation ^(14 01 20)

14 01 20 71-0001 Elevator Maintenance ^(14 01 20 71)

14 01 20 71-0002	EA	Regular Elevator Inspection, Electric Up To 10 Floors (Sufficient For Issue Of Certificate/Permit)	842.02
14 01 20 71-0003	EA	Regular Elevator Inspection, Electric Over 10 Floors (Sufficient For Issue Of Certificate/Permit)	1,052.52
14 01 20 71-0004	EA	Regular Elevator Inspection, Hydraulic (Sufficient For Issue Of Certificate/Permit)	631.52
14 01 20 71-0005	EA	Regular Elevator Inspection, Roped Hydraulic (Sufficient For Issue Of Certificate/Permit)	684.14
14 01 20 71-0006	EA	Regular Elevator Inspection, Dumbwaiters/Cart Lifts (Sufficient For Issue Of Certificate/Permit)	184.20
14 01 20 71-0007	HR	Elevator Servicing, Labor Only	142.62
14 01 20 71-0008	EA	Full Load Test For Traction And Winding Drum Elevator Up To 10 Floors	736.93
14 01 20 71-0009	EA	Full Load Test For Traction And Winding Drum Elevator Over 10 Floors	842.18
14 01 20 71-0010	EA	Full Load Test For Hydraulic Elevator	526.42
14 01 20 71-0011	EA	Full Load Test For Roped Hydraulic Elevator	657.99
14 01 20 71-0012	EA	Full Load Test For Dumbwaiters/Cart Lifts	605.37
14 01 20 71-0013	EA	Acceptance Test Of Traction And Winding Drum Elevator Up To 10 Floors	3,157.58
14 01 20 71-0014	EA	Acceptance Test Of Traction And Winding Drum Elevator Over 10 Floors	3,473.32
14 01 20 71-0015	EA	Acceptance Test Of Hydraulic Elevator	2,999.69
14 01 20 71-0016	EA	Acceptance Test Of Roped Hydraulic Elevator	3,104.94
14 01 20 71-0017	EA	Acceptance Test Of Dumbwaiters/Cart Lifts	1,841.92

14 01 20 71-0018 Elevator Modernization ^(14 01 20 71)

14 01 20 71-0019	EA	4" Piston (Hydraulic) Unit Up To 3 Stories (2,000 LB x 50 FPM)	19,204.55
		Note: Includes replacing existing piston, hydraulic pump, motor supply lines, hydraulic valves and ports.	
		For Each Additional 50 FPM, Add	3,475.00
		For Each Additional 500 LB, Add	3,475.00
		For Each Additional Stop, Add	3,155.00
		Note: Deduct if <3 stops.	
14 01 20 71-0020	EA	6" Piston (Hydraulic) Unit Up To 3 Stories (2,500 LB x 100 FPM)	23,724.28
		Note: Includes replacing existing piston, hydraulic pump, motor supply lines, hydraulic valves and ports.	
		For Each Additional 50 FPM, Add	3,475.00
		For Each Additional 500 LB, Add	3,475.00
		For Each Additional Stop, Add	3,155.00
		Note: Deduct if <3 stops.	
14 01 20 71-0021	EA	8" Piston (Hydraulic) Unit Up To 3 Stories (3,000 LB x 100 FPM)	36,334.28
		Note: Includes replacing existing piston, hydraulic pump, motor supply lines, hydraulic valves and ports.	
		For Each Additional 50 FPM, Add	3,475.00
		For Each Additional 500 LB, Add	3,475.00
		For Each Additional Stop, Add	3,155.00
		Note: Deduct if <3 stops.	
14 01 20 71-0022	EA	10" Piston (Hydraulic) Unit Up To 3 Stories (4,000 LB x 100 FPM)	50,177.30
		Note: Includes replacing existing piston, hydraulic pump, motor supply lines, hydraulic valves and ports.	
		For Each Additional 50 FPM, Add	3,475.00
		For Each Additional 500 LB, Add	3,475.00
		For Each Additional Stop, Add	3,155.00
		Note: Deduct if <3 stops.	
14 01 20 71-0023	EA	12" Piston (Hydraulic) Unit Up To 3 Stories (6,000 LB x 100 FPM)	59,741.83
		Note: Includes replacing existing piston, hydraulic pump, motor supply lines, hydraulic valves and ports.	
		For Each Additional 50 FPM, Add	3,475.00
		For Each Additional 500 LB, Add	3,475.00
		For Each Additional Stop, Add	3,155.00
		Note: Deduct if <3 stops.	
14 01 20 71-0024	EA	Replace Multi-Port Controller Valve System	8,635.62
14 01 20 71-0025	SET	Car Roller Guide Assembly, Set Of Four	3,840.46
14 01 20 71-0026	EA	New Door Opening, Excluding Buildback	7,251.16
14 01 20 71-0027	SF	Cab Flooring, Epoxy Aggregate Flooring	15.53
14 01 20 71-0028	SF	Cab Flooring, Aluminum Diamond Plate	37.06
14 01 20 71-0029	EA	Car Stop Electronic Leveling Device (Per Car)	3,836.54
14 01 20 71-0030	EA	Electronic Leveling Device At Stop (Per Stop)	850.77
14 01 20 71-0031	EA	Hoistway Door Hangers Set	755.89
14 01 20 71-0032	EA	Hoistway Door Closer Set	338.88
14 01 20 71-0033	EA	Hoistway Door Interlock Set	538.40
14 01 20 71-0034	EA	Fire Service Switch Controller	1,760.99
14 01 20 71-0035	EA	Car Door Operators With ADA Buzzer	6,818.21
14 01 20 71-0036	EA	Car Door Safety Edges (Infrared Proximity Type Edge)	4,932.57
14 01 20 71-0037	EA	Car Operating Panel (ADA, Fire, Position, Chime)	11,150.62
14 01 20 71-0038	EA	Car Position LED Indicator And Cover Plate, Stainless Steel	469.88
14 01 20 71-0039	EA	Car Traveling Lanterns With Audible Signal	3,236.93
14 01 20 71-0040	EA	Hoistway Door Jam Floor Tags (Braille)	111.37
14 01 20 71-0041	EA	Lobby Vandal Resistant Call Station	639.75
14 01 20 71-0042	EA	Car Voice Synthesized Floor Announcement Module	3,274.96
14 01 20 71-0043	LF	Traveling Cable (140 Conductors, #16 AWG Type ETT)	16.74
14 01 20 71-0044	LF	Governor Cable	7.18
14 01 20 71-0045	EA	Cab Walls Coverings (3,500 LB, Rigid Stainless Steel)	10,230.29

14 Conveying Equipment
14 01 Operation And Maintenance Of Conveying Equipment
14 01 20 Operation And Maintenance Of Elevators



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
14 01 20 71-0046 EA Removal And Replacement Of Governor.....	4,936.55	
14 01 20 71-0047 EA Removal And Replacement Of Car Station.....	7,086.04	
14 01 20 71-0048 EA Removal And Replacement Of Telephone.....	2,991.90	
14 01 20 71-0049 EA Removal And Replacement Of Lanterns.....	2,223.27	
14 01 20 71-0050 EA Hall Call Buttons, Vandal Resistant.....	464.50	121.39
14 01 20 71-0051 EA Hall Traveling Lanterns With Audible Signal.....	857.29	169.95
14 01 20 71-0052 EA Add Raised Character (Braille) Signage To Control Panel.....	71.39	
14 01 20 71-0053 EA Reprogram Existing Controller, Signal Fixtures.....	19,113.99	
14 01 20 71-0054 EA New Walls And Platform, Plastic Laminate, For 5' x 7' Cab.....	7,010.68	485.56
14 01 20 71-0055 EA New Walls And Platform, Plastic Laminate With Shell, For 5' x 7' Cab.....	9,950.16	582.67
14 01 20 71-0056 EA Replace Elevator Or Hoistway Doors, Baked Enamel.....	8,673.85	679.78
14 01 20 71-0057 EA Reopening Device, Manual.....	3,521.99	339.89
14 01 20 71-0058 EA Reopening Device, Automatic.....	17,669.74	339.89
14 01 20 71-0059 EA Elevator Pit Ladder.....	1,252.02	388.45
14 01 20 71-0060 EA New Walls And Platform, Partial Cab Plastic Laminate, For 5' x 7' Cab.....	9,616.91	485.56
14 01 20 71-0061 LF Replace Lifting Cable, 3/8" - Liftpack; Bethlehem Wire Rope Minimum Breaking Strength (Tons): Traction Steel - 4.5, EHS Traction Steel - 5.5.....	13.57	7.28
14 01 20 71-0062 LF Replace Lifting Cable, 1/2" - Liftpack; Bethlehem Wire Rope Minimum Breaking Strength (Tons): Traction Steel - 8.0, EHS Traction Steel - 9.7.....	15.05	7.28
14 01 20 71-0063 LF Replace Lifting Cable, 5/8" - Liftpack; Bethlehem Wire Rope Minimum Breaking Strength (Tons): Traction Steel - 12.7, EHS Traction Steel - 15.4.....	16.96	7.28
14 01 20 71-0064 EA Hydraulic Leak Detector And Alarm In Elevator Pit (Sensorcomm Inc).....	3,953.13	135.12
14 01 20 71-0065 LF 6" Wide Elevator Door Jamb Wrapped With 0.030" Stainless Steel.....	235.71	22.57
14 01 20 71-0066 LF 8" Wide Elevator Door Jamb Wrapped With 0.030" Stainless Steel.....	132.97	50.77
14 01 20 71-0067 LF 10" Wide Elevator Door Jamb Wrapped With 0.030" Stainless Steel.....	142.27	50.90
14 01 20 71-0068 LF 12" Wide Elevator Door Jamb Wrapped With 0.030" Stainless Steel.....	67.56	50.94
14 01 20 71-0069 EA "RopeGripper" With Pumping Unit For Use On 4-7/8" Maximum Out To Out Of Cable.....	5,142.24	810.72
14 01 20 71-0070 EA "RopeGripper" With Pumping Unit For Use On 6" Maximum Out To Out Of Cable.....	6,781.95	945.83
14 01 20 71-0071 EA "RopeGripper" With Pumping Unit For Use On 10" Maximum Out To Out Of Cable.....	8,932.56	1,080.95
14 01 20 71-0072 EA "RopeGripper" With Pumping Unit For Use On 11-1/2" Maximum Out To Out Of Cable.....	9,970.79	1,148.51
14 01 20 71-0073 EA 60 Amp Bussmann Power Module Switch, 480 - 120 Volt CPT, Firesafety Interface Relay, Mechanical Interlock.....	2,817.45	135.12
14 01 20 71-0074 EA 100 Amp Bussmann Power Module Switch, 480 - 120 Volt CPT, Firesafety Interface Relay, Mechanical Interlock.....	3,233.24	162.14
14 01 20 71-0075 EA 200 Amp Bussmann Power Module Switch, 480 - 120 Volt CPT, Firesafety Interface Relay, Mechanical Interlock.....	4,291.97	189.17
14 01 20 71-0076 EA Aluminum Handrail Spacers With Set Screw.....	23.82	5.27
14 01 20 71-0077 EA Bronze Handrail Spacers With Set Screw.....	38.22	5.27
14 01 20 71-0078 LF 1/2" x 2" Oround Stainless Steel Elevator Handrail.....	50.00	3.94
14 01 20 71-0079 LF 3/8" x 2" Flat Bar Stainless Steel Elevator Handrail, Brushed Finish.....	68.84	3.94
14 01 20 71-0080 LF 3/8" x 3" Flat Bar Stainless Steel Elevator Handrail, Brushed Finish.....	92.64	4.21
14 01 20 71-0081 LF 3/8" x 2" Flat Bar Stainless Steel Elevator Handrail, Mirror Finish.....	107.63	3.94
14 01 20 71-0082 LF 3/8" x 3" Flat Bar Stainless Steel Elevator Handrail, Mirror Finish.....	130.32	4.21
14 01 20 71-0083 LF 3/8" x 2" Flat Bar Bronze Elevator Handrail, Brushed Finish.....	84.36	3.94
14 01 20 71-0084 LF 3/8" x 3" Flat Bar Bronze Elevator Handrail, Brushed Finish.....	108.16	4.21
14 01 20 71-0085 LF 3/8" x 2" Flat Bar Bronze Elevator Handrail, Mirror Finish.....	115.39	3.94
14 01 20 71-0086 LF 3/8" x 3" Flat Bar Bronze Elevator Handrail, Mirror Finish.....	139.19	4.21
14 01 20 71-0087 LF 3/8" x 1-1/2" Diameter Tubular Stainless Steel Elevator Handrail, Brushed Finish.....	72.89	3.94
14 01 20 71-0088 LF 3/8" x 2" Diameter Tubular Stainless Steel Elevator Handrail, Brushed Finish.....	79.48	3.94
14 01 20 71-0089 LF 3/8" x 2-1/2" Diameter Tubular Stainless Steel Elevator Handrail, Brushed Finish.....	106.38	4.21
14 01 20 71-0090 LF 3/8" x 3" Diameter Tubular Stainless Steel Elevator Handrail, Brushed Finish.....	119.57	4.21
14 01 20 71-0091 LF 3/8" x 1-1/2" Diameter Tubular Stainless Steel Elevator Handrail, Mirror Finish.....	111.51	3.94
14 01 20 71-0092 LF 3/8" x 2" Diameter Tubular Stainless Steel Elevator Handrail, Mirror Finish.....	119.04	3.94
14 01 20 71-0093 LF 3/8" x 2-1/2" Diameter Tubular Stainless Steel Elevator Handrail, Mirror Finish.....	138.41	4.21
14 01 20 71-0094 LF 3/8" x 3" Diameter Tubular Stainless Steel Elevator Handrail, Mirror Finish.....	151.60	4.21
14 01 20 71-0095 LF 3/8" x 1-1/2" Diameter Tubular Bronze Elevator Handrail, Brushed Finish.....	84.36	3.94
14 01 20 71-0096 LF 3/8" x 2" Diameter Tubular Bronze Elevator Handrail, Brushed Finish.....	92.11	3.94
14 01 20 71-0097 LF 3/8" x 2-1/2" Diameter Tubular Bronze Elevator Handrail, Brushed Finish.....	123.67	4.21
14 01 20 71-0098 LF 3/8" x 3" Diameter Tubular Bronze Elevator Handrail, Brushed Finish.....	139.19	4.21
14 01 20 71-0099 LF 3/8" x 1-1/2" Diameter Tubular Bronze Elevator Handrail, Mirror Finish.....	129.79	3.94
14 01 20 71-0100 LF 3/8" x 2" Diameter Tubular Bronze Elevator Handrail, Mirror Finish.....	138.66	3.94
14 01 20 71-0101 LF 3/8" x 2-1/2" Diameter Tubular Bronze Elevator Handrail, Mirror Finish.....	161.35	4.21
14 01 20 71-0102 LF 3/8" x 3" Diameter Tubular Bronze Elevator Handrail, Mirror Finish.....	176.87	4.21

14 01 30 Operation And Maintenance Of Escalators And Moving Walks

14 01 30 71 Escalators and Moving Walks Rehabilitation (14 01 30 71)

14 01 30 71-0001 Maintenance (14 01 30 71)

14 01 30 71-0002 EA Regular Escalator Inspection (Sufficient For Issue Of Certificate/Permit).....	631.52
14 01 30 71-0003 HR Escalator Servicing, Labor Only.....	105.25
14 01 30 71-0004 EA Acceptance Test Of Escalators And Moving Walks.....	3,473.32

14 01 30 71-0005 Modernization (14 01 30 71)

14 01 30 71-0006 EA Replace 28" Wide Escalator Stair Tread.....	1,832.15
14 01 30 71-0007 EA Replace 36" Wide Escalator Stair Tread.....	1,977.71
14 01 30 71-0008 EA Replace 48" Wide Escalator Stair Tread.....	2,088.69
14 01 30 71-0009 EA Replace 54" Wide Escalator Stair Tread.....	2,260.51
14 01 30 71-0010 LF Replace Sliding Handrail.....	167.40



MINOR	CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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14 20 Elevators ⁽¹⁴⁾

Note: Excludes final electrical work or shaft walls.

14 24 Hydraulic Elevators ^(14 20)

Note: Prices are for a complete operating elevator including all standard controls, hydraulic motor and devices based on unit with cab sized 5' by 8' with galvanized primed shaft door with cab allowances as listed below.

14 24 13 Hydraulic Freight Elevators ^(14 24)

14 24 13 00-0001 Hydraulic Freight Elevators ^(14 24 13)

Note: Painted metal shaft doors and steel painted cab. Unit prices are based on a shaft of 3 stops and 3 openings with power doors. See CSI section 14 24 13 00-0011 for drilling piston hole.

14 24 13 00-0002	EA Hydraulic Freight Elevator, 3,000 LB x 50 FPM	127,498.90	8,183.70
	For Each Additional Stop, Add	5,262.00	
	Note: Deduct if <3 stops.		
	For Each Opening With Bonderized Steel Door, Add	148.00	
	For Each Opening With Stainless Steel Doors, Add	1,610.00	
	For Each Opening With Two Speed Doors, Add	536.00	
	For Each Opening With Two Speed Bi-Parting Doors, Add	636.00	
	For Custom Plastic Laminated Cab Interiors, Add	1,611.00	
	For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	10,202.00	
	For Stainless Steel Cab Interior, Add	12,887.00	
	For Each Additional 50 FPM, Add	3,475.00	
	For Each Additional 500 LB, Add	3,475.00	
	For Each Additional Stop, Add	5,263.00	
	Note: Deduct if <3 stops.		
	For Elevator With Manual Door, Deduct	-11,113.16	
	For Class "B" Loading, Add	1,235.00	
	For Class "C-1" Loading, Add	2,935.00	
	For Class "C-2" Loading, Add	3,530.00	
	For Class "C-3" Loading, Add	4,800.00	
14 24 13 00-0003	EA Hydraulic Freight Elevator, 4,000 LB x 50 FPM	139,095.99	8,740.15
	For Each Additional Stop, Add	5,262.00	
	Note: Deduct if <3 stops.		
	For Each Opening With Bonderized Steel Door, Add	148.00	
	For Each Opening With Stainless Steel Doors, Add	1,610.00	
	For Each Opening With Two Speed Doors, Add	536.00	
	For Each Opening With Two Speed Bi-Parting Doors, Add	636.00	
	For Custom Plastic Laminated Cab Interiors, Add	1,611.00	
	For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	10,202.00	
	For Stainless Steel Cab Interior, Add	12,887.00	
	For Each Additional 50 FPM, Add	3,475.00	
	For Each Additional 500 LB, Add	3,475.00	
	For Each Additional Stop, Add	5,263.00	
	Note: Deduct if <3 stops.		
	For Elevator With Manual Door, Deduct	-12,161.57	
	For Class "B" Loading, Add	1,235.00	
	For Class "C-1" Loading, Add	2,935.00	
	For Class "C-2" Loading, Add	3,530.00	
	For Class "C-3" Loading, Add	4,800.00	
14 24 13 00-0004	EA Hydraulic Freight Elevator, 6,000 LB x 50 FPM	160,868.74	9,142.39
	For Each Additional Stop, Add	5,262.00	
	Note: Deduct if <3 stops.		
	For Each Opening With Bonderized Steel Door, Add	148.00	
	For Each Opening With Stainless Steel Doors, Add	1,610.00	
	For Each Opening With Two Speed Doors, Add	536.00	
	For Each Opening With Two Speed Bi-Parting Doors, Add	636.00	
	For Custom Plastic Laminated Cab Interiors, Add	1,611.00	
	For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	10,202.00	
	For Stainless Steel Cab Interior, Add	12,887.00	
	For Each Additional 50 FPM, Add	3,475.00	
	For Each Additional 500 LB, Add	3,475.00	
	For Each Additional Stop, Add	5,263.00	
	Note: Deduct if <3 stops.		
	For Elevator With Manual Door, Deduct	-14,258.39	
	For Class "B" Loading, Add	1,235.00	
	For Class "C-1" Loading, Add	2,935.00	
	For Class "C-2" Loading, Add	3,530.00	
	For Class "C-3" Loading, Add	4,800.00	

14 Conveying Equipment**14 20 Elevators****14 24 Hydraulic Elevators**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
14 24	13 00-0005	EA	Hydraulic Freight Elevator, 3,000 LB x 100 FPM.....	142,362.64	8,276.63
			For Each Additional Stop, Add	5,262.00	
			Note: Deduct if <3 stops.		
			For Each Opening With Bonderized Steel Door, Add	148.00	
			For Each Opening With Stainless Steel Doors, Add	1,610.00	
			For Each Opening With Two Speed Doors, Add	536.00	
			For Each Opening With Two Speed Bi-Parting Doors, Add	636.00	
			For Custom Plastic Laminated Cab Interiors, Add	1,611.00	
			For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	10,202.00	
			For Stainless Steel Cab Interior, Add	12,887.00	
			For Each Additional 50 FPM, Add	3,475.00	
			For Each Additional 500 LB, Add	3,475.00	
			For Each Additional Stop, Add	5,263.00	
			Note: Deduct if <3 stops.		
			For Elevator With Manual Door, Deduct	-12,580.93	
			For Class "B" Loading, Add	1,235.00	
			For Class "C-1" Loading, Add	2,935.00	
			For Class "C-2" Loading, Add	3,530.00	
			For Class "C-3" Loading, Add	4,800.00	
14 24	13 00-0006	EA	Hydraulic Freight Elevator, 4,000 LB x 100 FPM.....	151,889.23	8,846.29
			For Each Additional Stop, Add	5,262.00	
			Note: Deduct if <3 stops.		
			For Each Opening With Bonderized Steel Door, Add	148.00	
			For Each Opening With Stainless Steel Doors, Add	1,610.00	
			For Each Opening With Two Speed Doors, Add	536.00	
			For Each Opening With Two Speed Bi-Parting Doors, Add	636.00	
			For Custom Plastic Laminated Cab Interiors, Add	1,611.00	
			For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	10,202.00	
			For Stainless Steel Cab Interior, Add	12,887.00	
			For Each Additional 50 FPM, Add	3,475.00	
			For Each Additional 500 LB, Add	3,475.00	
			For Each Additional Stop, Add	5,263.00	
			Note: Deduct if <3 stops.		
			For Elevator With Manual Door, Deduct	-13,419.66	
			For Class "B" Loading, Add	1,235.00	
			For Class "C-1" Loading, Add	2,935.00	
			For Class "C-2" Loading, Add	3,530.00	
			For Class "C-3" Loading, Add	4,800.00	
14 24	13 00-0007	EA	Hydraulic Freight Elevator, 6,000 LB x 100 FPM.....	176,017.34	9,377.89
			For Each Additional Stop, Add	5,262.00	
			Note: Deduct if <3 stops.		
			For Each Opening With Bonderized Steel Door, Add	148.00	
			For Each Opening With Stainless Steel Doors, Add	1,610.00	
			For Each Opening With Two Speed Doors, Add	536.00	
			For Each Opening With Two Speed Bi-Parting Doors, Add	636.00	
			For Custom Plastic Laminated Cab Interiors, Add	1,611.00	
			For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	10,202.00	
			For Stainless Steel Cab Interior, Add	12,887.00	
			For Each Additional 50 FPM, Add	3,475.00	
			For Each Additional 500 LB, Add	3,475.00	
			For Each Additional Stop, Add	5,263.00	
			Note: Deduct if <3 stops.		
			For Elevator With Manual Door, Deduct	-15,726.17	
			For Class "B" Loading, Add	1,235.00	
			For Class "C-1" Loading, Add	2,935.00	
			For Class "C-2" Loading, Add	3,530.00	
			For Class "C-3" Loading, Add	4,800.00	
14 24	13 00-0008	EA	Hydraulic Freight Elevator, 3,000 LB x 150 FPM.....	154,943.57	8,276.63
			For Each Additional Stop, Add	5,262.00	
			Note: Deduct if <3 stops.		
			For Each Opening With Bonderized Steel Door, Add	148.00	
			For Each Opening With Stainless Steel Doors, Add	1,610.00	
			For Each Opening With Two Speed Doors, Add	536.00	
			For Each Opening With Two Speed Bi-Parting Doors, Add	636.00	
			For Custom Plastic Laminated Cab Interiors, Add	1,611.00	
			For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	10,202.00	
			For Stainless Steel Cab Interior, Add	12,887.00	
			For Each Additional 50 FPM, Add	3,475.00	
			For Each Additional 500 LB, Add	3,475.00	
			For Each Additional Stop, Add	5,263.00	
			Note: Deduct if <3 stops.		
			For Elevator With Manual Door, Deduct	-13,839.03	
			For Class "B" Loading, Add	1,235.00	
			For Class "C-1" Loading, Add	2,935.00	
			For Class "C-2" Loading, Add	3,530.00	
			For Class "C-3" Loading, Add	4,800.00	



Conveying Equipment 14

Elevators 14 20

Hydraulic Elevators 14 24

14

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
14 24 13 00-0009 EA Hydraulic Freight Elevator, 4,000 LB x 150 FPM.....	166,895.30	9,010.51
For Each Additional Stop, Add	5,262.00	
Note: Deduct if <3 stops.		
For Each Opening With Bonderized Steel Door, Add	148.00	
For Each Opening With Stainless Steel Doors, Add	1,610.00	
For Each Opening With Two Speed Doors, Add	536.00	
For Each Opening With Two Speed Bi-Parting Doors, Add	636.00	
For Custom Plastic Laminated Cab Interiors, Add	1,611.00	
For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	10,202.00	
For Stainless Steel Cab Interior, Add	12,887.00	
For Each Additional 50 FPM, Add	3,475.00	
For Each Additional 500 LB, Add	3,475.00	
For Each Additional Stop, Add	5,263.00	
Note: Deduct if <3 stops.		
For Elevator With Manual Door, Deduct	-14,887.44	
For Class "B" Loading, Add	1,235.00	
For Class "C-1" Loading, Add	2,935.00	
For Class "C-2" Loading, Add	3,530.00	
For Class "C-3" Loading, Add	4,800.00	
14 24 13 00-0010 EA Hydraulic Freight Elevator, 6,000 LB x 150 FPM.....	188,967.65	9,562.50
For Each Additional Stop, Add	5,262.00	
Note: Deduct if <3 stops.		
For Each Opening With Bonderized Steel Door, Add	148.00	
For Each Opening With Stainless Steel Doors, Add	1,610.00	
For Each Opening With Two Speed Doors, Add	536.00	
For Each Opening With Two Speed Bi-Parting Doors, Add	636.00	
For Custom Plastic Laminated Cab Interiors, Add	1,611.00	
For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	10,202.00	
For Stainless Steel Cab Interior, Add	12,887.00	
For Each Additional 50 FPM, Add	3,475.00	
For Each Additional 500 LB, Add	3,475.00	
For Each Additional Stop, Add	5,263.00	
Note: Deduct if <3 stops.		
For Elevator With Manual Door, Deduct	-16,984.26	
For Class "B" Loading, Add	1,235.00	
For Class "C-1" Loading, Add	2,935.00	
For Class "C-2" Loading, Add	3,530.00	
For Class "C-3" Loading, Add	4,800.00	
14 24 13 00-0011 Hydraulic Elevators Piston Drilling (14 24 13)		
14 24 13 00-0012 VLF Up To 6" Diameter Piston Drilling	60.56	
Note: Includes casing.		
14 24 13 00-0013 VLF 8" To 10" Diameter Piston Drilling.....	71.39	
Note: Includes casing.		
14 24 13 00-0014 VLF 12" To 16" Diameter Piston Drilling.....	79.43	
Note: Includes casing.		
14 24 13 00-0015 VLF 18" Diameter Piston Drilling.....	89.92	
Note: Includes casing.		
14 24 23 Hydraulic Passenger Elevators (14 24)		
14 24 23 00-0001 Hydraulic Passenger Elevators (14 24 23)		
Note: Baked enamel shaft doors and plastic laminated trimmed cab, allowance of \$4000. Unit prices are based on a shaft of 3 stops and 3 openings. See CSI section 14 24 13 00-0011 for drilling piston hole.		
14 24 23 00-0002 EA Hydraulic Passenger Elevator, 2,000 LB x 50 FPM.....	105,883.04	7,859.83
For Each Additional 50 FPM, Add	3,475.00	
For Each Additional 500 LB, Add	3,475.00	
For Each Additional Stop, Add	5,262.00	
Note: Deduct if <3 stops.		
For Each Opening With Bonderized Steel Door, Add	148.00	
For Each Opening With Stainless Steel Doors, Add	1,610.00	
For Each Opening With Two Speed Doors, Add	536.00	
For Each Opening With Two Speed Bi-Parting Doors, Add	636.00	
For Custom Plastic Laminated Cab Interiors, Add	1,611.00	
For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	10,202.00	
For Stainless Steel Cab Interior, Add	12,887.00	
14 24 23 00-0003 EA Hydraulic Passenger Elevator, 2,500 LB x 50 FPM.....	110,724.32	8,183.70
For Each Additional 50 FPM, Add	3,475.00	
For Each Additional 500 LB, Add	3,475.00	
For Each Additional Stop, Add	5,262.00	
Note: Deduct if <3 stops.		
For Each Opening With Bonderized Steel Door, Add	148.00	
For Each Opening With Stainless Steel Doors, Add	1,610.00	
For Each Opening With Two Speed Doors, Add	536.00	
For Each Opening With Two Speed Bi-Parting Doors, Add	636.00	
For Custom Plastic Laminated Cab Interiors, Add	1,611.00	
For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	10,202.00	
For Stainless Steel Cab Interior, Add	12,887.00	

14 Conveying Equipment**14 20 Elevators****14 24 Hydraulic Elevators**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
14 24 23 00-0004	EA		Hydraulic Passenger Elevator, 3,000 LB x 50 FPM	120,294.79	8,775.21
			<i>For Each Additional 50 FPM, Add</i>	3,475.00	
			<i>For Each Additional 500 LB, Add</i>	3,475.00	
			<i>For Each Additional Stop, Add</i>	5,262.00	
			<i>Note: Deduct if <3 stops.</i>		
			<i>For Each Opening With Bonderized Steel Door, Add</i>	148.00	
			<i>For Each Opening With Stainless Steel Doors, Add</i>	1,610.00	
			<i>For Each Opening With Two Speed Doors, Add</i>	536.00	
			<i>For Each Opening With Two Speed Bi-Parting Doors, Add</i>	636.00	
			<i>For Custom Plastic Laminated Cab Interiors, Add</i>	1,611.00	
			<i>For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add</i>	10,202.00	
			<i>For Stainless Steel Cab Interior, Add</i>	12,887.00	
14 24 23 00-0005	EA		Hydraulic Passenger Elevator, 2,000 LB x 100 FPM	115,965.32	8,183.70
			<i>For Each Additional 50 FPM, Add</i>	3,475.00	
			<i>For Each Additional 500 LB, Add</i>	3,475.00	
			<i>For Each Additional Stop, Add</i>	5,262.00	
			<i>Note: Deduct if <3 stops.</i>		
			<i>For Each Opening With Bonderized Steel Door, Add</i>	148.00	
			<i>For Each Opening With Stainless Steel Doors, Add</i>	1,610.00	
			<i>For Each Opening With Two Speed Doors, Add</i>	536.00	
			<i>For Each Opening With Two Speed Bi-Parting Doors, Add</i>	636.00	
			<i>For Custom Plastic Laminated Cab Interiors, Add</i>	1,611.00	
			<i>For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add</i>	10,202.00	
			<i>For Stainless Steel Cab Interior, Add</i>	12,887.00	
14 24 23 00-0006	EA		Hydraulic Passenger Elevator, 2,500 LB x 100 FPM	122,641.83	8,900.39
			<i>For Each Additional 50 FPM, Add</i>	3,475.00	
			<i>For Each Additional 500 LB, Add</i>	3,475.00	
			<i>For Each Additional Stop, Add</i>	5,262.00	
			<i>Note: Deduct if <3 stops.</i>		
			<i>For Each Opening With Bonderized Steel Door, Add</i>	148.00	
			<i>For Each Opening With Stainless Steel Doors, Add</i>	1,610.00	
			<i>For Each Opening With Two Speed Doors, Add</i>	536.00	
			<i>For Each Opening With Two Speed Bi-Parting Doors, Add</i>	636.00	
			<i>For Custom Plastic Laminated Cab Interiors, Add</i>	1,611.00	
			<i>For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add</i>	10,202.00	
			<i>For Stainless Steel Cab Interior, Add</i>	12,887.00	
14 24 23 00-0007	EA		Hydraulic Passenger Elevator, 3,000 LB x 100 FPM	129,002.29	9,459.07
			<i>For Each Additional 50 FPM, Add</i>	3,475.00	
			<i>For Each Additional 500 LB, Add</i>	3,475.00	
			<i>For Each Additional Stop, Add</i>	5,262.00	
			<i>Note: Deduct if <3 stops.</i>		
			<i>For Each Opening With Bonderized Steel Door, Add</i>	148.00	
			<i>For Each Opening With Stainless Steel Doors, Add</i>	1,610.00	
			<i>For Each Opening With Two Speed Doors, Add</i>	536.00	
			<i>For Each Opening With Two Speed Bi-Parting Doors, Add</i>	636.00	
			<i>For Custom Plastic Laminated Cab Interiors, Add</i>	1,611.00	
			<i>For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add</i>	10,202.00	
			<i>For Stainless Steel Cab Interior, Add</i>	12,887.00	
14 24 23 00-0008	EA		Hydraulic Passenger Elevator, 2,000 LB x 150 FPM	124,540.71	8,276.63
			<i>For Each Additional 50 FPM, Add</i>	3,475.00	
			<i>For Each Additional 500 LB, Add</i>	3,475.00	
			<i>For Each Additional Stop, Add</i>	5,262.00	
			<i>Note: Deduct if <3 stops.</i>		
			<i>For Each Opening With Bonderized Steel Door, Add</i>	148.00	
			<i>For Each Opening With Stainless Steel Doors, Add</i>	1,610.00	
			<i>For Each Opening With Two Speed Doors, Add</i>	536.00	
			<i>For Each Opening With Two Speed Bi-Parting Doors, Add</i>	636.00	
			<i>For Custom Plastic Laminated Cab Interiors, Add</i>	1,611.00	
			<i>For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add</i>	10,202.00	
			<i>For Stainless Steel Cab Interior, Add</i>	12,887.00	
14 24 23 00-0009	EA		Hydraulic Passenger Elevator, 2,500 LB x 150 FPM	136,057.75	9,317.88
			<i>For Each Additional 50 FPM, Add</i>	3,475.00	
			<i>For Each Additional 500 LB, Add</i>	3,475.00	
			<i>For Each Additional Stop, Add</i>	5,262.00	
			<i>Note: Deduct if <3 stops.</i>		
			<i>For Each Opening With Bonderized Steel Door, Add</i>	148.00	
			<i>For Each Opening With Stainless Steel Doors, Add</i>	1,610.00	
			<i>For Each Opening With Two Speed Doors, Add</i>	536.00	
			<i>For Each Opening With Two Speed Bi-Parting Doors, Add</i>	636.00	
			<i>For Custom Plastic Laminated Cab Interiors, Add</i>	1,611.00	
			<i>For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add</i>	10,202.00	
			<i>For Stainless Steel Cab Interior, Add</i>	12,887.00	
14 24 23 00-0010	EA		Hydraulic Passenger Elevator, 3,000 LB x 150 FPM	146,668.88	10,429.81
			<i>For Each Additional 50 FPM, Add</i>	3,475.00	
			<i>For Each Additional 500 LB, Add</i>	3,475.00	
			<i>For Each Additional Stop, Add</i>	5,262.00	
			<i>Note: Deduct if <3 stops.</i>		
			<i>For Each Opening With Bonderized Steel Door, Add</i>	148.00	
			<i>For Each Opening With Stainless Steel Doors, Add</i>	1,610.00	
			<i>For Each Opening With Two Speed Doors, Add</i>	536.00	
			<i>For Each Opening With Two Speed Bi-Parting Doors, Add</i>	636.00	
			<i>For Custom Plastic Laminated Cab Interiors, Add</i>	1,611.00	
			<i>For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add</i>	10,202.00	
			<i>For Stainless Steel Cab Interior, Add</i>	12,887.00	



Conveying Equipment	14	
Elevators	14 20	14
Hydraulic Elevators	14 24	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
14 24 23 00-0011 Twin Jack Holeless Hydraulic Passenger Elevator ^(14 24 23) Note: Baked enamel shaft doors and plastic laminated trimmed cab. Excludes flooring, shaft construction/alterations, pit or mechanical room construction. Connect to established utilities.		
14 24 23 00-0012 EA Hydraulic Passenger Elevator, 2,000 LB, 80 FPM, 3 Stops, 3 Openings	85,783.70	8,183.70
14 24 23 00-0013 EA Hydraulic Passenger Elevator, 2,000 LB, 80 FPM, 2 Stops, 2 Openings	64,464.85	6,992.12
14 26 Limited-Use/Limited-Application Elevators ^(14 26)		
14 26 00 00-0001 Small Elevators, 1 Passenger Capacity ^(14 26) Note: 400 lb capacity, 28 FPM rated, 220V, automatic operation. Includes cab interiors.		
14 26 00 00-0002 EA 2 Stop Per Shaft, Electric, Push Small Elevators, 1 Passenger	33,566.29	3,981.90
14 26 00 00-0003 EA 3 Stop Per Shaft, Electric, Push Small Elevators, 1 Passenger	38,761.24	4,977.37
14 26 00 00-0004 EA 4 Stop Per Shaft, Electric, Push Small Elevators, 1 Passenger	43,977.22	5,972.84
14 26 00 00-0005 Small Elevators, 2 To 3 Passenger Capacity ^(14 26) Note: 750 lb capacity, 36 FPM rated, 220V, automatic operation. Includes cab interiors, telephone box and telephone.		
14 26 00 00-0006 EA 2 Stop Per Shaft, Electric, Push Small Elevators, 2 To 3 Passenger Capacity	48,580.31	5,972.84
14 26 00 00-0007 EA 3 Stop Per Shaft, Electric, Push Small Elevators, 2 To 3 Passenger Capacity	55,273.15	6,968.32
14 26 00 00-0008 EA 4 Stop Per Shaft, Electric, Push Small Elevators, 2 To 3 Passenger Capacity	61,941.05	7,963.79
14 26 00 00-0009 EA 5 Stop Per Shaft, Electric, Push Small Elevators, 2 To 3 Passenger Capacity	69,234.61	8,959.27
14 26 00 00-0010 EA 6 Stop Per Shaft, Electric, Push Small Elevators, 2 To 3 Passenger Capacity	78,129.11	10,452.48
14 26 00 00-0011 EA 7 Stop Per Shaft, Electric, Push Small Elevators, 2 To 3 Passenger Capacity	87,546.48	11,945.69
14 26 00 00-0012 Small Elevators, 4 To 6 Passenger Capacity ^(14 26) Note: 1500 lb capacity, 42 FPM rated, 220V, automatic operation. Includes cab interiors, telephone box and telephone.		
14 26 00 00-0013 EA 2 Stop Per Shaft, Electric, Push Small Elevators, 4 To 6 Passenger Capacity	75,442.30	9,744.40
For #4 Brushed Stainless Steel Doors, Add	111.91	
For Wrap Around Front, Add	55.95	
For Metal Hand Rails, Add	279.77	
For Wood Hand Rails, Add	419.65	
For Red Oak Side Panels, Add	1,678.60	
14 26 00 00-0014 EA 3 Stop Per Shaft, Electric, Push Small Elevators, 4 To 6 Passenger Capacity	86,286.00	11,660.49
For #4 Brushed Stainless Steel Doors, Add	125.93	
For Wrap Around Front, Add	62.97	
For Metal Hand Rails, Add	314.83	
For Wood Hand Rails, Add	472.24	
For Red Oak Side Panels, Add	1,888.95	
14 26 00 00-0015 EA 4 Stop Per Shaft, Electric, Push Small Elevators, 4 To 6 Passenger Capacity	97,650.86	13,837.09
For #4 Brushed Stainless Steel Doors, Add	139.95	
For Wrap Around Front, Add	69.98	
For Metal Hand Rails, Add	349.88	
For Wood Hand Rails, Add	524.83	
For Red Oak Side Panels, Add	2,099.30	
14 30 Escalators And Moving Walks ⁽¹⁴⁾		
14 31 Escalators ^(14 30)		
14 31 00 00-0001 Escalators Stainless Steel Construction ^(14 31) Note: Prices are medians and are based on each moving stairway. Complete, includes all standard accessories and single microprocessor controlled electronic display sign packages, LED.		
14 31 00 00-0002 EA Escalators Stainless Steel, 32" Wide x 12' Floor To Floor Height	204,014.40	10,682.40
14 31 00 00-0003 EA Escalators Stainless Steel, 32" Wide x 15' Floor To Floor Height	224,224.69	12,624.66
14 31 00 00-0004 EA Escalators Stainless Steel, 32" Wide x 18' Floor To Floor Height	243,779.98	14,566.92
14 31 00 00-0005 EA Escalators Stainless Steel, 32" Wide x 22' Floor To Floor Height	267,865.25	17,480.30
14 31 00 00-0006 EA Escalators Stainless Steel, 32" Wide x 25' Floor To Floor Height	296,240.65	19,422.55
14 31 00 00-0007 EA Escalators Stainless Steel, 36" Wide x 12' Floor To Floor Height	216,056.31	11,362.20
14 31 00 00-0008 EA Escalators Stainless Steel, 36" Wide x 15' Floor To Floor Height	237,723.51	13,595.78
14 31 00 00-0009 EA Escalators Stainless Steel, 36" Wide x 18' Floor To Floor Height	257,174.82	15,538.05
14 31 00 00-0010 EA Escalators Stainless Steel, 36" Wide x 22' Floor To Floor Height	287,632.65	19,519.66
14 31 00 00-0011 EA Escalators Stainless Steel, 36" Wide x 25' Floor To Floor Height	310,879.95	20,976.35
14 31 00 00-0012 EA Escalators Stainless Steel, 48" Wide x 12' Floor To Floor Height	228,347.03	12,041.98
14 31 00 00-0013 EA Escalators Stainless Steel, 48" Wide x 15' Floor To Floor Height	251,794.44	14,566.92
14 31 00 00-0014 EA Escalators Stainless Steel, 48" Wide x 18' Floor To Floor Height	270,335.96	16,509.17
14 31 00 00-0015 EA Escalators Stainless Steel, 48" Wide x 22' Floor To Floor Height	308,467.75	20,587.91
14 31 00 00-0016 EA Escalators Stainless Steel, 48" Wide x 25' Floor To Floor Height	327,764.74	22,530.16
14 31 00 00-0017 EA Escalator Fire Shutter Fusible Link	32,018.21	388.45
14 32 Moving Walks ^(14 30)		
14 32 00 00-0001 Moving Sidewalks ^(14 32) Note: Prices are medians. Includes safety rails.		
14 32 00 00-0002 LF Moving Sidewalks, 28" Wide	1,972.55	233.07
For Each LF Of Ramp Or Sloped Sections, Add	338.57	

14	14	Conveying Equipment
	14 30	Escalators And Moving Walks
	14 32	Moving Walks



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
14 32 00 00-0003 LF Moving Sidewalks, 36" Wide..... <i>For Each LF Of Ramp Or Sloped Sections, Add</i>	2,748.49 492.60	237.93
14 32 00 00-0004 LF Moving Sidewalks, 48" Wide..... <i>For Each LF Of Ramp Or Sloped Sections, Add</i>	3,131.40 566.86	247.63
14 32 00 00-0005 LF Moving Sidewalks, 54" Wide..... <i>For Each LF Of Ramp Or Sloped Sections, Add</i>	3,625.32 660.60	268.61

14 40 Lifts ⁽¹⁴⁾14 42 Wheelchair Lifts ^(14 40)14 42 13 Inclined Wheelchair Lifts ^(14 42)14 42 13 00-0001 Chair Lift-Stair Climber ^(14 42 13)

Note: Includes landing, rails, lifting device and gates.

14 42 13 00-0002 EA Chair Lift, Stair Climber Per Story, Single Passenger, Indoor, 300 LB Capacity..... <i>Note: Includes top and bottom call button, safety chair, track, and power unit.</i>	3,777.32	473.63
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14 42 16 Vertical Wheelchair Lifts ^(14 42)14 42 16 00-0001 Shorty Wheelchair Lift ^(14 42 16)

14 42 16 00-0002 EA 36" Vertical Travel Wheelchair Platform Scissor Lift..... <i>Note: 1000 LB capacity. Includes handrails and manual ramp.</i>	6,011.45	315.76
<i>For Accordion Safety Skirt, Add</i>	998.00	
<i>For Removable Handrails, Add</i>	100.00	
<i>For Power Operated Ramp, Add</i>	885.00	
14 42 16 00-0003 EA 42" Vertical Travel Wheelchair Platform Scissor Lift..... <i>Note: 1000 LB capacity. Includes handrails and manual ramp.</i>	6,011.45	315.76
<i>For 2,000 LB Capacity, Add</i>	600.00	
<i>For 3,000 LB Capacity, Add</i>	1,000.00	
<i>For 4,000 LB Capacity, Add</i>	1,500.00	
<i>For Accordion Safety Skirt, Add</i>	998.00	
<i>For Removable Handrails, Add</i>	100.00	
<i>For Power Operated Ramp, Add</i>	885.00	
14 42 16 00-0004 EA 70" Vertical Travel Wheelchair Platform Scissor Lift..... <i>Note: 1000 LB capacity. Includes handrails and manual ramp.</i>	8,221.86	421.01
<i>For 2,000 LB Capacity, Add</i>	600.00	
<i>For 3,000 LB Capacity, Add</i>	1,000.00	
<i>For 4,000 LB Capacity, Add</i>	1,500.00	
<i>For Accordion Safety Skirt, Add</i>	998.00	
<i>For Removable Handrails, Add</i>	100.00	
<i>For Power Operated Ramp, Add</i>	885.00	
14 42 16 00-0005 EA 84" Vertical Travel Wheelchair Platform Scissor Lift..... <i>Note: 1000 LB capacity. Includes handrails and manual ramp.</i>	9,221.86	421.01
<i>For 2,000 LB Capacity, Add</i>	600.00	
<i>For 3,000 LB Capacity, Add</i>	1,000.00	
<i>For 4,000 LB Capacity, Add</i>	1,500.00	
<i>For Accordion Safety Skirt, Add</i>	998.00	
<i>For Removable Handrails, Add</i>	100.00	
<i>For Power Operated Ramp, Add</i>	885.00	
14 42 16 00-0006 EA 18" Travel Wheelchair Incline Lift..... <i>Note: 500 LB capacity, interior installation.</i>	11,579.04	842.02

14 90 Other Conveying Equipment ⁽¹⁴⁾14 91 Facility Chutes ^(14 90)14 91 82 Trash Chutes ^(14 91)14 91 82 00-0001 Trash Chutes ^(14 91 82)

14 91 82 00-0002 LF 18" Diameter Galvanized Trash Chute, 18 Gauge, Duct With Supports..... <i>For Aluminum, Add</i> <i>For Stainless Steel, Add</i>	22.38 1.41 4.95	4.32
14 91 82 00-0003 LF 24" Diameter Galvanized Trash Chute, 18 Gauge, Duct With Supports..... <i>For Aluminum, Add</i> <i>For Stainless Steel, Add</i>	28.09 1.91 6.69	4.32
14 91 82 00-0004 LF 30" Diameter Galvanized Trash Chute, 18 Gauge, Duct With Supports..... <i>For Aluminum, Add</i> <i>For Stainless Steel, Add</i>	30.91 2.12 7.42	5.39
14 91 82 00-0005 LF 36" Diameter Galvanized Trash Chute, 18 Gauge, Duct With Supports..... <i>For Aluminum, Add</i> <i>For Stainless Steel, Add</i>	45.43 3.49 12.22	5.39
14 91 82 00-0006 EA Trash Chutes, Hopper..... <i>For Aluminum, Add</i> <i>For Stainless Steel, Add</i>	414.32 35.35 123.73	30.22
14 91 82 00-0007 EA Trash Chutes, Skylight..... <i>For Aluminum, Add</i> <i>For Stainless Steel, Add</i>	241.95 12.30 43.04	59.36
14 91 82 00-0008 EA Trash Chutes, Sprinkler Unit At Top..... <i>For Aluminum, Add</i> <i>For Stainless Steel, Add</i>	190.64 5.38 18.83	64.75



Conveying Equipment	14	14
Other Conveying Equipment	14 90	
Facility Chutes	14 91	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
14 91 82 00-0009 EA Trash Chutes, Sprinkler Unit At Intake Hopper.....	54.84	22.66
For Aluminum, Add	0.92	
For Stainless Steel, Add	3.23	
14 91 82 00-0010 EA Refuse Type Bottom Storage Hopper Unit	398.53	80.94
For Aluminum, Add	22.75	
For Stainless Steel, Add	79.61	
14 91 82 00-0011 EA Hopper Doors	792.11	56.89
14 91 82 00-0012 Aluminized Steel Trash Chutes And Accessories (14 91 82)		
Note: Includes sprinklers. Includes smoke/shut down dampers per floor, chute opening doors per floor, base chute damper. Complete.		
14 91 82 00-0013 EA Refuse Bottom Hopper, Aluminum , 18" Diameter.....	1,512.96	252.84
14 91 82 00-0014 FLR 18" Diameter Trash Chutes And With Sprinklers Aluminized Steel.....	681.69	302.79
14 91 82 00-0015 FLR 24" Diameter Trash Chutes And With Sprinklers Aluminized Steel.....	793.70	331.19
14 91 82 00-0016 FLR 30" Diameter Trash Chutes And With Sprinklers Aluminized Steel.....	890.63	353.23
14 91 82 00-0017 FLR 36" Diameter Trash Chutes And With Sprinklers Aluminized Steel.....	971.78	378.46
14 91 82 00-0018 EA Refuse Bottom Hopper, 36" Aluminized Steel, With Sprinklers	840.31	353.23
14 92 Pneumatic Tube Systems (14 92)		
14 92 00 00-0001 Pneumatic Message Tube Station (14 92)		
Note: Twin tube, two or more stations, conventional		
14 92 00 00-0002 LF 2-1/2" Tube With Bracketing	43.45	12.89
14 92 00 00-0003 LF 3" Tube With Bracketing	52.26	17.36
14 92 00 00-0004 LF 4" Tube With Bracketing	58.51	15.87
14 92 00 00-0005 LF 6" Tube With Bracketing	72.29	19.84
14 92 00 00-0006 LF 4" x 7" Oval Tube With Bracketing.....	75.27	21.33
14 92 00 00-0007 EA Blower Assembly	7,577.86	396.75
14 92 00 00-0008 EA Receiving Station, Round Or Oval	675.82	105.63
14 92 00 00-0009 EA Multi-Sided Dispatching Station, 3 Carrier	1,420.08	148.78
14 92 00 00-0010 EA Laboratory Receiving Station, Round Or Oval.....	1,017.10	133.90
14 92 00 00-0011 EA 2-Way Diverter Station.....	1,750.56	148.78
14 92 00 00-0012 EA 3-Way Diverter Station.....	2,227.50	173.58
14 92 00 00-0013 EA 4-Way Diverter Station.....	2,670.25	198.37

END OF SECTION 14

14

14 Conveying Equipment

14 90 Other Conveying Equipment

14 92 Pneumatic Tube Systems



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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21 Fire Suppression

21 01 Operation and Maintenance of Fire Suppression ⁽²¹⁾

21 01 10 Operation and Maintenance of Water-Based Fire-Suppression Systems ^(21 01)

See CSI section 23 01 20 00-0000 for purging of pipes and shutdown.

21 01 10 91 Water-Based Fire-Suppression Systems Restoration ^(21 01 10)

21 01 10 91-0001 Relocate Sprinkler Head And Branch Piping ^(21 01 10 91)

Note: To adjust or swing existing sprinkler heads to different ceiling grid configuration or location.

21 01 10 91-0002	EA	Relocate Existing Sprinkler Head And Branch Piping.....	62.22
Note: To adjust or swing existing sprinkler heads to different ceiling grid configuration or location.			

21 01 10 91-0003 Sprinkler Upgrades ^(21 01 10 91)

21 01 10 91-0004	LF	Bleed Existing Lines Of Water.....	0.55
21 01 10 91-0005	LF	Refill Existing Lines With Water.....	0.65

21 01 30 Operation and Maintenance of Fire-Suppression Equipment ^(21 01)

21 01 30 91 Fire-Suppression Equipment Restoration ^(21 01 30)

21 01 30 91-0001 Inspection And Recharge ^(21 01 30 91)

21 01 30 91-0002	EA	Inspection, CO2, Carbon Dioxide.....	222.93
21 01 30 91-0003	LB	Refill/Recharge, CO2, Carbon Dioxide.....	1.46
21 01 30 91-0004	EA	Inspection, Halon 1301.....	222.93
21 01 30 91-0005	LB	Refill/Recharge, Halon 1301.....	34.93
21 01 30 91-0006	EA	Inspection, WC, Wet Chemical.....	134.79
21 01 30 91-0007	GAL	Refill/Recharge, WC, Wet Chemical.....	32.75
21 01 30 91-0008	EA	Inspection, DC, Dry Chemical.....	134.79
21 01 30 91-0009	LB	Refill/Recharge, DC, Dry Chemical.....	2.91
21 01 30 91-0010	EA	Hydrostatic Testing, All Sizes, All Agents.....	41.47
See CSI section 23 05 93 00-0046 for testing existing piping systems.			
21 01 30 91-0011	EA	Disarm/Arm System.....	72.58

21 05 Common Work Results for Fire Suppression ⁽²¹⁾

21 05 13 Common Motor Requirements For Fire-Suppression Equipment ^(21 05)

Note: New equipment includes motor, unless otherwise stated. For use when replacing existing motor. See CSI section 23 05 13 00-0000 for motor requirements.

21 05 16 Expansion Fittings And Loops For Fire-Suppression Piping ^(21 05)

See CSI section 23 05 16 00-0000 for expansion fittings and loops.

21 05 17 Sleeves and Sleeve Seals for Fire-Suppression Piping ^(21 05)

See CSI section 23 05 17 00-0000 for sleeves and sleeve seals.

21 05 19 Meters And Gages For Fire-Suppression Systems ^(21 05)

21 05 19 00-0001 Fire Service Meter Cast Iron Housing ^(21 05 19)

21 05 19 00-0002	EA	3" Diameter, 0 - 600 GPM Fire Service Meter Flanged, With Cast Iron Housing.....	3,292.93	476.91
For >10 To 25, Deduct				
			-164.65	
For >25, Deduct				
			-420.50	
21 05 19 00-0003	EA	4" Diameter, 0 - 1,000 GPM Fire Service Meter Flanged, With Cast Iron Housing.....	6,275.07	661.22
For >10 To 25, Deduct				
			-313.75	
For >25, Deduct				
			-839.39	
21 05 19 00-0004	EA	6" Diameter, 0 - 2,000 GPM Fire Service Meter Flanged, With Cast Iron Housing.....	8,558.88	942.59
For >10 To 25, Deduct				
			-427.94	
For >25, Deduct				
			-1,138.62	
21 05 19 00-0005	EA	8" Diameter, 0 - 4,000 GPM Fire Service Meter Flanged, With Cast Iron Housing.....	10,834.63	1,237.65
For >10 To 25, Deduct				
			-541.73	
For >25, Deduct				
			-1,469.60	
21 05 19 00-0006	EA	10" Diameter, 0 - 6,200 GPM Fire Service Meter Flanged, With Cast Iron Housing.....	14,962.50	1,457.45
For >10 To 25, Deduct				
			-748.13	
For >25, Deduct				
			-2,061.20	

21 05 23 General-Duty Valves For Water-Based Fire-Suppression Piping ^(21 05)

See CSI section 23 05 23 00-0000 for valves.

21 05 29 Hangers And Supports For Fire-Suppression Piping And

21	21 Fire Suppression
	21 05 Common Work Results for Fire Suppression
	21 05 29 Hangers And Supports For Fire-Suppression Piping And Equipment



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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Equipment ^(21 05)

See CSI section 23 05 29 00-0000 for hangers and supports.

21 05 48 Vibration And Seismic Controls for Fire-Suppression Piping and Equipment ^(21 05)

21 05 48 13 Vibration Controls For Fire-Suppression Piping And Equipment ^(21 05 48)
See CSI section 23 05 48 00-0000 for vibration and seismic control.

21 05 53 Identification For Fire-Suppression Piping And Equipment ^(21 05)
See CSI section 23 05 53 00-0000 for identification.

21 07 Fire-Suppression Systems Insulation ⁽²¹⁾

21 07 19 Fire-Suppression Piping Insulation ^(21 07)
See CSI section 22 07 19 00-0000 for fire-suppression piping insulation.

21 10 Water-Based Fire-Suppression Systems ⁽²¹⁾

See CSI section 22 11 16 00-0345 for copper pipe, 22 11 16 00-0769 for CPVC pipe, 23 05 23 00-0037 for OS&Y gate valves, 23 21 13 23-0000 for black steel piping.

21 11 Facility Fire-Suppression Water-Service Piping ^(21 10)

21 11 19 Fire-Department Connections ^(21 11)

21 11 19 00-0001 Fire Department Connections ^(21 11 19)

21 11 19 00-0002	EA	4" x 2-1/2" x 2-1/2" Siamese Connection, Polished Brass	673.58	315.35
		<i>For Polished Chrome, Add</i>	24.48	
21 11 19 00-0003	EA	6" x 2-1/2" x 2-1/2" Siamese Connection, Polished Brass	897.23	394.19
		<i>For Polished Chrome, Add</i>	37.47	
21 11 19 00-0004	EA	4" x 3" x 3" Siamese Connection, Polished Brass	857.63	315.35
		<i>For Polished Chrome, Add</i>	47.47	
21 11 19 00-0005	EA	6" x 3" x 3" Siamese Connection, Polished Brass	1,113.06	394.19
		<i>For Polished Chrome, Add</i>	64.45	
21 11 19 00-0006	EA	6" x 2-1/2" x 2-1/2" x 2-1/2" Siamese Connection, Three Way, Polished Brass	1,165.82	394.19
		<i>For Polished Chrome, Add</i>	71.05	
21 11 19 00-0007	EA	Sidewalk Type Connection With Plug And Chain, Polished Brass	1,070.18	417.20
		<i>For Polished Chrome, Add</i>	54.79	
21 11 19 00-0008	EA	Wall Type Connection With Plug And Chain, Polished Brass	729.24	315.35
		<i>For Polished Chrome, Add</i>	31.44	

21 11 19 00-0009 Wall Type Indicator Post, Wheel Operated ^(21 11 19)

See CSI section 33 14 19 00-0152 for adjustable indicator post accessory for ground valves.

21 11 19 00-0010	EA	Wall Type Indicator Post With Wall Flange For Valve (Victaulic 773)	1,048.08	292.30
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21 12 Fire-Suppression Standpipes ^(21 10)

21 12 13 Fire-Suppression Hoses And Nozzles ^(21 12)

21 12 13 00-0001 Fire Hose ^(21 12 13)

21 12 13 00-0002 Fire Hose Without Couplings ^(21 12 13 00-0001)

21 12 13 00-0003	LF	1-1/2" Linen Fire Hose With 1-1/2" Rubber Lining Without Couplings	2.64	2.07
21 12 13 00-0004	LF	2-1/2" Linen Fire Hose With 1-1/2" Rubber Lining Without Couplings	3.07	2.07
21 12 13 00-0005	LF	2" Linen Fire Hose With 1-1/2" Rubber Lining Without Couplings	2.80	2.07
21 12 13 00-0006	LF	3" Linen Fire Hose With 1-1/2" Rubber Lining Without Couplings	3.27	2.07
21 12 13 00-0007	LF	1-1/2" Cotton Fire Hose, 300 LB Test With 1-1/2" Rubber Lining Without Couplings	2.94	2.07
21 12 13 00-0008	LF	2-1/2" Cotton Fire Hose, 300 LB Test With 1-1/2" Rubber Lining Without Couplings	3.62	2.07
21 12 13 00-0009	LF	1-1/2" Cotton Fire Hose, 400 LB Test With 1-1/2" Rubber Lining Without Couplings	3.03	2.07
21 12 13 00-0010	LF	2-1/2" Cotton Fire Hose, 400 LB Test With 1-1/2" Rubber Lining Without Couplings	3.81	2.07

21 12 13 00-0011 Fire Hose With Aluminum Couplings ^(21 12 13 00-0001)

21 12 13 00-0012	LF	1-3/4" Polyester Fire Hose With Rubber Lining With Aluminum Couplings	3.76	1.14
21 12 13 00-0013	LF	2-1/2" Polyester Fire Hose With Rubber Lining With Aluminum Couplings	4.51	1.35
21 12 13 00-0014	LF	3-1/2" Polyester Fire Hose With Rubber Lining With Aluminum Couplings	6.57	1.35

21 12 13 00-0015 Fire Hose Accessories ^(21 12 13 00-0001)

21 12 13 00-0016	EA	Hose Coupling With 1-1/2" Pin Lug	86.18	34.21
21 12 13 00-0017	EA	Hose Coupling With 2-1/2" Pin Lug	116.91	38.36
21 12 13 00-0018	EA	1-1/2" x 10" Brass Straight Nozzle	59.31	26.96
21 12 13 00-0019	EA	2-1/2" x 12" Brass Straight Nozzle	94.87	26.96
21 12 13 00-0020	EA	1-1/2" Brass Fog Type Nozzle	78.81	26.96
21 12 13 00-0021	EA	2-1/2" Brass Fog Type Nozzle	104.41	26.96
21 12 13 00-0022	EA	1-1/2" Brass 100' Hose Rack	222.60	114.06
21 12 13 00-0023	EA	2-1/2" Brass 100' Hose Rack	268.24	114.06



Fire Suppression	21	
Water-Based Fire-Suppression Systems	21 10	12
Fire-Suppression Standpipes	21 12	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 12 23 Fire-Suppression Hose Valves (21 12)		
21 12 23 00-0001 Standpipe Valves (21 12 23)		
21 12 23 00-0002 EA 2-1/2" Fire Department Valve, Polished Brass With Plug And Chain.....	479.93	208.60
<i>For Polished Chrome, Add</i>	24.60	
21 12 23 00-0003 EA 2-1/2" x 2-1/2" x 4" Fire Department Valve, Flush, Polished Brass.....	674.08	208.51
<i>For Polished Chrome, Add</i>	53.73	
21 12 23 00-0004 EA 2-1/2" x 2-1/2" x 6" Fire Department Valve, Flush, Polished Brass.....	835.82	225.55
<i>For Polished Chrome, Add</i>	74.10	
21 12 23 00-0005 EA 3" x 3" x 4" Fire Department Valve, Flush, Polished Brass.....	953.87	208.51
<i>For Polished Chrome, Add</i>	95.69	
21 12 23 00-0006 EA 3" x 3" x 6" Fire Department Valve, Flush, Polished Brass.....	1,105.46	225.55
<i>For Polished Chrome, Add</i>	114.55	
21 12 23 00-0007 EA 2-1/2" x 2-1/2" x 4" Fire Department Valve, Projecting, Polished Brass.....	644.35	208.51
<i>For Polished Chrome, Add</i>	49.27	
21 12 23 00-0008 EA 2-1/2" x 2-1/2" x 6" Fire Department Valve, Projecting, Polished Brass.....	882.45	225.55
<i>For Polished Chrome, Add</i>	81.10	
21 12 23 00-0009 EA 2-1/2" x 2-1/2" x 2-1/2" x 4" Fire Department Valve, Flush, Polished Brass.....	1,072.90	215.26
<i>For Polished Chrome, Add</i>	89.61	
21 12 23 00-0010 EA 2-1/2" x 2-1/2" x 2-1/2" x 6" Fire Department Valve, Flush, Polished Brass.....	1,482.54	239.16
<i>For Polished Chrome, Add</i>	134.42	
21 12 23 00-0011 EA 2-1/2" x 2-1/2" x 2-1/2" x 4" Fire Department Valve, Projecting, Polished Brass.....	1,139.80	215.26
<i>For Polished Chrome, Add</i>	97.64	
21 12 23 00-0012 EA 2-1/2" x 2-1/2" x 2-1/2" x 6" Fire Department Valve, Projecting, Polished Brass.....	1,583.34	239.16
<i>For Polished Chrome, Add</i>	146.51	
21 12 23 00-0013 EA 2-1/2" x 2-1/2" x 2-1/2" x 6" Fire Department Valve, Square, Flush, Polished Brass.....	2,509.99	286.95
<i>For Polished Chrome, Add</i>	207.51	
21 12 23 00-0014 Fire Hose Cabinet Angle Valves (21 12 23)		
21 12 23 00-0015 EA 1-1/2" Fire Hose Angle Valve, Cast Brass.....	146.92	
21 12 23 00-0016 EA 2-1/2" Fire Hose Angle Valve, Cast Brass.....	247.50	46.66
21 12 29 Fire-Suppression Fire Hose Equipment (21 12)		
21 12 29 00-0001 Standpipe And Fire Hose Equipment (21 12 29)		
21 12 29 00-0002 EA 2-1/2" x 2-1/2" x 2-1/2" x 4" Manifold Roof Type, Vertical, Polished Brass.....	1,348.08	517.10
21 12 29 00-0003 EA Water Motor Gong.....	448.55	148.30
21 12 29 00-0004 EA Fire Riser Flow Switch (NFPA 13).....	267.36	17.26
21 12 29 00-0005 EA Water Flow Supervisory (Tammer) Switch Mounted On Valve.....	152.49	29.51
21 12 29 00-0006 EA Pressure-Type Water Flow Detector For Up To 2-1/2" Pipe.....	274.07	90.82
21 12 29 00-0007 EA Pressure-Type Water Flow Detector For >2-1/2" To 4" Pipe.....	391.89	120.33
21 12 29 00-0008 EA Pressure-Type Water Flow Detector For >4" To 8" Pipe.....	562.80	136.22
21 12 29 00-0009 EA Vane-Type Water Flow Switch For Up To 2-1/2" Pipe.....	324.08	90.82
21 12 29 00-0010 EA Vane-Type Water Flow Switch For >2-1/2" To 4" Pipe.....	453.16	120.33
21 12 29 00-0011 EA Vane-Type Water Flow Switch For >4" To 8" Pipe.....	659.91	136.22
21 12 29 00-0012 EA Lever Type Bleeder Valve (Potter BVL).....	113.39	29.51
21 13 Fire-Suppression Sprinkler Systems (21 10)		
21 13 13 Wet-Pipe Sprinkler Systems (21 13)		
21 13 13 00-0001 Complete Wet-Pipe Sprinkler Systems (21 13 13)		
Note: Includes complete design per NFPA 13, 13D or 13R and stamped shop drawings approved by a registered engineer. Includes all branch line piping (standard weight black steel, less than 2-1/2" diameter pipe, fittings, branch valves, hangers, sprinkler heads, etc) from riser pipe and mains. The coverage of one sprinkler head varies from about 180 SF for light hazard occupancy, about 155 SF for ordinary, 90 to about 130 SF for extra hazard conditions. Excludes outside mains, inside vertical or horizontal pipe mains, greater than 2" diameter. Excludes special alarm valves, gate valves, check valves, flow control devices, water motor gong assembly, Siamese connections, standpipes and fittings, pipe mains and fittings, fire pumps and tanks.		
21 13 13 00-0002 Light Hazard, Complete Wet-Pipe Sprinkler Systems (21 13 13 00-0001)		
21 13 13 00-0003 EA Exposed Piping, Light Hazard, Complete Wet-Pipe Sprinkler System, Per Head.....	358.65	
<i>Note: Includes branch pipe and fittings, supports and sprinkler heads.</i>		
<i>For Copper Pipe, Add</i>	40.50	
<i>For Polyvinyl Chloride (PVC) Pipe, Deduct</i>	-58.43	
<i>For Up To 5, Add</i>	170.06	
<i>For >5 To 10, Add</i>	111.62	
<i>For >10 To 20, Add</i>	75.76	
<i>For >20 To 40, Add</i>	31.23	
<i>For >100 To 150, Deduct</i>	-35.87	
<i>For >150, Deduct</i>	-71.73	
21 13 13 00-0004 EA Concealed Piping, Light Hazard, Complete Wet-Pipe Sprinkler System, Per Head.....	491.90	
<i>Note: Includes branch pipe and fittings, supports and sprinkler heads with flat or conical escutcheon.</i>		
<i>For Copper Pipe, Add</i>	54.20	
<i>For Polyvinyl Chloride (PVC) Pipe, Deduct</i>	-78.80	
<i>For Up To 5, Add</i>	235.92	
<i>For >5 To 10, Add</i>	157.12	
<i>For >10 To 20, Add</i>	107.93	
<i>For >20 To 40, Add</i>	44.18	
<i>For >100 To 150, Deduct</i>	-49.19	
<i>For >150, Deduct</i>	-98.38	

21 Fire Suppression**21 10 Water-Based Fire-Suppression Systems****21 13 Fire-Suppression Sprinkler Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 13 00-0005			Ordinary Hazard, Complete Wet-Pipe Sprinkler Systems <small>(21 13 13 00-0001)</small>		
21 13 13 00-0006	EA		Exposed Piping, Ordinary Hazard, Complete Wet-Pipe Sprinkler System, Per Head.....356.31 Note: Includes branch pipe and fittings, supports and sprinkler heads.		
			<i>For Copper Pipe, Add</i>	40.31	
			<i>For Polyvinyl Chloride (PVC) Pipe, Deduct</i>	-58.13	
			<i>For Up To 5, Add</i>	168.80	
			<i>For >5 To 10, Add</i>	110.67	
			<i>For >10 To 20, Add</i>	75.04	
			<i>For >20 To 40, Add</i>	30.95	
			<i>For >100 To 150, Deduct</i>	-35.63	
			<i>For >150, Deduct</i>	-71.26	
21 13 13 00-0007	EA		Concealed Piping, Ordinary Hazard, Complete Wet-Pipe Sprinkler System, Per Head.....486.78 Note: Includes branch pipe and fittings, supports and sprinkler heads with flat or conical escutcheon.		
			<i>For Copper Pipe, Add</i>	53.70	
			<i>For Polyvinyl Chloride (PVC) Pipe, Deduct</i>	-78.03	
			<i>For Up To 5, Add</i>	233.36	
			<i>For >5 To 10, Add</i>	155.32	
			<i>For >10 To 20, Add</i>	106.64	
			<i>For >20 To 40, Add</i>	43.66	
			<i>For >100 To 150, Deduct</i>	-48.68	
			<i>For >150, Deduct</i>	-97.36	
21 13 13 00-0008			Extra Hazard, Complete Wet-Pipe Sprinkler Systems <small>(21 13 13 00-0001)</small>		
21 13 13 00-0009	EA		Exposed Piping, Extra Hazard, Complete Wet-Pipe Sprinkler System, Per Head .....330.40 Note: Includes branch pipe and fittings, supports and sprinkler heads.		
			<i>For Copper Pipe, Add</i>	37.33	
			<i>For Polyvinyl Chloride (PVC) Pipe, Deduct</i>	-53.85	
			<i>For Up To 5, Add</i>	156.63	
			<i>For >5 To 10, Add</i>	102.79	
			<i>For >10 To 20, Add</i>	69.75	
			<i>For >20 To 40, Add</i>	28.76	
			<i>For >100 To 150, Deduct</i>	-33.04	
			<i>For >150, Deduct</i>	-66.08	
21 13 13 00-0010	EA		Concealed Piping, Extra Hazard, Complete Wet-Pipe Sprinkler System, Per Head .....452.05 Note: Includes branch pipe and fittings, supports and sprinkler heads with flat or conical escutcheon.		
			<i>For Copper Pipe, Add</i>	49.81	
			<i>For Polyvinyl Chloride (PVC) Pipe, Deduct</i>	-72.41	
			<i>For Up To 5, Add</i>	216.82	
			<i>For >5 To 10, Add</i>	144.41	
			<i>For >10 To 20, Add</i>	99.21	
			<i>For >20 To 40, Add</i>	40.60	
			<i>For >100 To 150, Deduct</i>	-45.21	
			<i>For >150, Deduct</i>	-90.41	
21 13 13 00-0011			Wet-Pipe Sprinkler Components <small>(21 13 13)</small>		
			Note: Excludes hydraulic calculations.		
21 13 13 00-0012			Wet-Pipe Alarm Valves <small>(21 13 13 00-0011)</small>		
21 13 13 00-0013	EA		2" Wet-Pipe Alarm Valve.....1,583.71		772.19
21 13 13 00-0014	EA		3" Wet-Pipe Alarm Valve.....2,136.13		1,054.09
21 13 13 00-0015	EA		4" Wet-Pipe Alarm Valve.....3,273.61		1,475.73
21 13 13 00-0016	EA		6" Wet-Pipe Alarm Valve.....3,772.65		1,743.63
21 13 13 00-0017	EA		8" Wet-Pipe Alarm Valve.....5,108.53		1,918.00
21 13 13 00-0018			Wet-Pipe Sprinkler Heads <small>(21 13 13 00-0011)</small>		
21 13 13 00-0019			Upright Wet-Pipe Sprinkler Heads <small>(21 13 13 00-0018)</small>		
21 13 13 00-0020	EA		1/2" Orifice, 1/2" NPT Thread, K=5.6, Upright Bronze Wet Pipe Sprinkler Head (Reliable F1FR 56 Upright).....60.02		28.00
21 13 13 00-0021	EA		1/2" Orifice, 1/2" NPT Thread, K=5.6, Upright Chrome Wet Pipe Sprinkler Head (Reliable F1FR 56 Upright).....61.39		28.00
21 13 13 00-0022	EA		1/2" Orifice, 1/2" NPT Thread, K=5.6, Upright White Wet Pipe Sprinkler Head (Reliable F1FR 56 Upright).....62.26		28.00
21 13 13 00-0023	EA		1/2" Orifice, 1/2" NPT Thread, K=5.6, 300 PSI Rated, Upright Bronze Wet Pipe Sprinkler Head (Reliable F1FR56-300 Upright).....60.71		28.00
21 13 13 00-0024	EA		1/2" Orifice, 1/2" NPT Thread, K=5.6, 300 PSI Rated, Upright Chrome Wet Pipe Sprinkler Head (Reliable F1FR56-300 Upright).....62.12		28.00
21 13 13 00-0025	EA		1/2" Orifice, 1/2" NPT Thread, K=5.6, 300 PSI Rated, Upright White Wet Pipe Sprinkler Head (Reliable F1FR56-300 Upright).....63.03		28.00
21 13 13 00-0026	EA		17/32" Orifice, 3/4" NPT Thread, Quick Response, Upright Bronze Wet Pipe Sprinkler Head (Reliable F1FR Upright).....68.10		31.10
21 13 13 00-0027	EA		17/32" Orifice, 3/4" NPT Thread, Quick Response, Upright Chrome Wet Pipe Sprinkler Head (Reliable F1FR Upright).....70.18		31.10
21 13 13 00-0028	EA		17/32" Orifice, 3/4" NPT Thread, Quick Response, Upright White Wet Pipe Sprinkler Head (Reliable F1FR Upright).....70.60		31.10
21 13 13 00-0029	EA		17/32" Orifice, 3/4" NPT Thread, Quick Response, 300 PSI Rated, Upright Bronze Wet Pipe Sprinkler Head (Reliable F1FR-300 Upright).....68.10		31.10
21 13 13 00-0030	EA		17/32" Orifice, 3/4" NPT Thread, Quick Response, 300 PSI Rated, Upright Chrome Wet Pipe Sprinkler Head (Reliable F1FR-300 Upright).....70.18		31.10
21 13 13 00-0031	EA		17/32" Orifice, 3/4" NPT Thread, Quick Response, 300 PSI Rated, Upright White Wet Pipe Sprinkler Head (Reliable F1FR-300 Upright).....70.60		31.10
21 13 13 00-0032	EA		3/8" Orifice, 1/2" NPT Thread, K=2.8, Upright Bronze Wet Pipe Sprinkler Head (Reliable F1FR 28 Upright).....63.96		28.00
21 13 13 00-0033	EA		3/8" Orifice, 1/2" NPT Thread, K=2.8, Upright Chrome Wet Pipe Sprinkler Head (Reliable F1FR 28 Upright).....65.32		28.00



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 13 00-0034 EA 3/8" Orifice, 1/2" NPT Thread, K=2.8, Upright White Wet Pipe Sprinkler Head (Reliable F1FR 28 Upright).....	65.58	28.00
21 13 13 00-0035 EA 7/16" Orifice, 1/2" NPT Thread, K=4.2, Upright Bronze Wet Pipe Sprinkler Head (Reliable F1FR 42 Upright)	63.96	28.00
21 13 13 00-0036 EA 7/16" Orifice, 1/2" NPT Thread, K=4.2, Upright Chrome Wet Pipe Sprinkler Head (Reliable F1FR 42 Upright)	65.32	28.00
21 13 13 00-0037 EA 7/16" Orifice, 1/2" NPT Thread, K=4.2, Upright White Wet Pipe Sprinkler Head (Reliable F1FR 42 Upright)	65.58	28.00
21 13 13 00-0038 EA 1/2" Orifice, 1/2" NPT Thread, K=5.6, Upright Bronze Wet Pipe Sprinkler Head (Reliable KFR 56 Upright)	60.02	28.00
21 13 13 00-0039 EA 1/2" Orifice, 1/2" NPT Thread, K=5.6, Upright Chrome Wet Pipe Sprinkler Head (Reliable KFR 56 Upright)	61.39	28.00
21 13 13 00-0040 EA 1/2" Orifice, 1/2" NPT Thread, K=5.6, Upright White Wet Pipe Sprinkler Head (Reliable KFR 56 Upright)	62.26	28.00
21 13 13 00-0041 EA 1/2" Orifice, 1/2" NPT Thread, K=5.6, 300 PSI Rated, Upright Bronze Wet Pipe Sprinkler Head (Reliable KFR56-300)	60.71	28.00
21 13 13 00-0042 EA 1/2" Orifice, 1/2" NPT Thread, K=5.6, 300 PSI Rated, Upright Chrome Wet Pipe Sprinkler Head (Reliable KFR56-300)	62.12	28.00
21 13 13 00-0043 EA 1/2" Orifice, 1/2" NPT Thread, K=5.6, 300 PSI Rated, Upright White Wet Pipe Sprinkler Head (Reliable KFR56-300)	63.03	28.00
21 13 13 00-0044 EA 1/2" Orifice, 1/2" NPT Thread, Quick Response, Upright Bronze Wet Pipe Sprinkler Head (Reliable GFR Upright)	64.90	28.00
21 13 13 00-0045 EA 1/2" Orifice, 1/2" NPT Thread, Quick Response, Upright Chrome Wet Pipe Sprinkler Head (Reliable GFR Upright)	66.68	28.00
21 13 13 00-0046 EA 17/32" Orifice, 3/4" NPT Thread, Quick Response, Upright Bronze Wet Pipe Sprinkler Head (Reliable GFR Upright).....	74.53	31.10
21 13 13 00-0047 EA 17/32" Orifice, 3/4" NPT Thread, Quick Response, Upright Chrome Wet Pipe Sprinkler Head (Reliable GFR Upright).....	77.45	31.10
21 13 13 00-0048 EA 3/8" Orifice, 1/2" NPT Thread, Quick Response, Upright Bronze Wet Pipe Sprinkler Head (Reliable GFR Upright)	69.62	28.00
21 13 13 00-0049 EA 3/8" Orifice, 1/2" NPT Thread, Quick Response, Upright Chrome Wet Pipe Sprinkler Head (Reliable GFR Upright)	73.27	28.00
21 13 13 00-0050 EA 7/16" Orifice, 1/2" NPT Thread, Quick Response, Upright Bronze Wet Pipe Sprinkler Head (Reliable GFR Upright)	69.62	28.00
21 13 13 00-0051 EA 7/16" Orifice, 1/2" NPT Thread, Quick Response, Upright Chrome Wet Pipe Sprinkler Head (Reliable GFR Upright).....	73.27	28.00
21 13 13 00-0052 EA 1/2" Orifice, 1/2" NPT Thread, K=5.6, Combustible Concealed Space, Upright Bronze Wet Pipe Sprinkler Head (Reliable KFR-CCS)	65.58	28.00
21 13 13 00-0053 Conventional Wet-Pipe Sprinkler Heads <small>(21 13 13 00-0018)</small>		
21 13 13 00-0054 EA 1/2" Orifice, 1/2" NPT Thread, K=5.6, Conventional Bronze Wet Pipe Sprinkler Head (Reliable F1FR 56 Conventional)	60.02	28.00
21 13 13 00-0055 EA 1/2" Orifice, 1/2" NPT Thread, K=5.6, Conventional Chrome Wet Pipe Sprinkler Head (Reliable F1FR 56 Conventional)	61.39	28.00
21 13 13 00-0056 EA 1/2" Orifice, 1/2" NPT Thread, K=5.6, Conventional White Wet Pipe Sprinkler Head (Reliable F1FR 56 Conventional)	62.26	28.00
21 13 13 00-0057 EA 17/32" Orifice, 3/4" NPT Thread, Quick Response, Conventional Bronze Wet Pipe Sprinkler Head (Reliable F1FR Conventional)	68.58	31.10
21 13 13 00-0058 EA 17/32" Orifice, 3/4" NPT Thread, Quick Response, Conventional Chrome Wet Pipe Sprinkler Head (Reliable F1FR Conventional)	70.18	31.10
21 13 13 00-0059 EA 17/32" Orifice, 3/4" NPT Thread, Quick Response, Conventional White Wet Pipe Sprinkler Head (Reliable F1FR Conventional)	70.43	31.10
21 13 13 00-0060 Pendant Wet-Pipe Sprinkler Heads <small>(21 13 13 00-0018)</small>		
21 13 13 00-0061 EA 1/2" Orifice, 1/2" NPT Thread, K=5.6, Pendant Bronze Wet Pipe Sprinkler Head (Reliable KFR 56 Pendant).....	60.02	28.00
21 13 13 00-0062 EA 1/2" Orifice, 1/2" NPT Thread, K=5.6, Pendant Chrome Wet Pipe Sprinkler Head (Reliable KFR 56 Pendant)	60.96	28.00
21 13 13 00-0063 EA 1/2" Orifice, 1/2" NPT Thread, K=5.6, Pendant White Wet Pipe Sprinkler Head (Reliable KFR 56 Pendant)	61.83	28.00
21 13 13 00-0064 EA 1/2" Orifice, 1/2" NPT Thread, K=5.6, Pendant Bronze Wet Pipe Sprinkler Head (Reliable F1FR 56 Pendant)	60.02	28.00
21 13 13 00-0065 EA 1/2" Orifice, 1/2" NPT Thread, K=5.6, Pendant Chrome Wet Pipe Sprinkler Head (Reliable F1FR 56 Pendant)	61.39	28.00
21 13 13 00-0066 EA 1/2" Orifice, 1/2" NPT Thread, K=5.6, Pendant White Wet Pipe Sprinkler Head (Reliable F1FR 56 Pendant)	62.26	28.00
21 13 13 00-0067 EA 17/32" Orifice, 3/4" NPT Thread, Quick Response, Pendant Bronze Wet Pipe Sprinkler Head (Reliable F1FR Pendant).....	68.10	31.10
21 13 13 00-0068 EA 17/32" Orifice, 3/4" NPT Thread, Quick Response, Pendant Chrome Wet Pipe Sprinkler Head (Reliable F1FR Pendant).....	70.18	31.10
21 13 13 00-0069 EA 17/32" Orifice, 3/4" NPT Thread, Quick Response, Pendant White Wet Pipe Sprinkler Head (Reliable F1FR Pendant)	70.60	31.10
21 13 13 00-0070 EA 3/8" Orifice, 1/2" NPT Thread, K=2.8, Pendant Bronze Wet Pipe Sprinkler Head (Reliable F1FR 28 Pendant).....	63.96	28.00
21 13 13 00-0071 EA 3/8" Orifice, 1/2" NPT Thread, K=2.8, Pendant Chrome Wet Pipe Sprinkler Head (Reliable F1FR 28 Pendant)	65.32	28.00
21 13 13 00-0072 EA 3/8" Orifice, 1/2" NPT Thread, K=2.8, Pendant White Wet Pipe Sprinkler Head (Reliable F1FR 28 Pendant)	65.58	28.00
21 13 13 00-0073 EA 7/16" Orifice, 1/2" NPT Thread, K=4.2, Pendant Bronze Wet Pipe Sprinkler Head (Reliable F1FR 42 Pendant)	63.96	28.00
21 13 13 00-0074 EA 7/16" Orifice, 1/2" NPT Thread, K=4.2, Pendant Chrome Wet Pipe Sprinkler Head (Reliable F1FR 42 Pendant)	65.32	28.00
21 13 13 00-0075 EA 7/16" Orifice, 1/2" NPT Thread, K=4.2, Pendant White Wet Pipe Sprinkler Head (Reliable F1FR 42 Pendant)	65.58	28.00
21 13 13 00-0076 EA 7/16" Orifice, 1/2" NPT Thread, K=4.2, Pendant Bronze Wet Pipe Sprinkler Head, Low Lead (Reliable F1FR 42 LL Pendant)	63.96	28.00
21 13 13 00-0077 EA 7/16" Orifice, 1/2" NPT Thread, K=4.2, Pendant Chrome Wet Pipe Sprinkler Head, Low Lead (Reliable F1FR 42 LL Pendant)	65.32	28.00
21 13 13 00-0078 EA 7/16" Orifice, 1/2" NPT Thread, K=4.2, Pendant White Wet Pipe Sprinkler Head, Low Lead (Reliable F1FR 42 LL Pendant)	65.58	28.00
21 13 13 00-0079 EA 1/2" Orifice, 1/2" NPT Thread, K=5.6, Pendant Bronze Wet Pipe Sprinkler Head, Low Lead (Reliable F1FR 56 LL Pendant).....	60.02	28.00
21 13 13 00-0080 EA 1/2" Orifice, 1/2" NPT Thread, K=5.6, Pendant Chrome Wet Pipe Sprinkler Head, Low Lead (Reliable F1FR 56 LL Pendant).....	61.39	28.00
21 13 13 00-0081 EA 1/2" Orifice, 1/2" NPT Thread, K=5.6, Pendant White Wet Pipe Sprinkler Head, Low Lead (Reliable F1FR 56 LL Pendant).....	62.26	28.00
21 13 13 00-0082 EA 1/2" Orifice, 1/2" NPT Thread, K=5.6, 300 PSI Rated, Pendant Bronze Wet Pipe Sprinkler Head (Reliable F1FR56-300 Pendant).....	60.71	28.00
21 13 13 00-0083 EA 1/2" Orifice, 1/2" NPT Thread, K=5.6, 300 PSI Rated, Pendant Chrome Wet Pipe Sprinkler Head (Reliable F1FR56-300 Pendant).....	61.68	28.00
21 13 13 00-0084 EA 1/2" Orifice, 1/2" NPT Thread, K=5.6, 300 PSI Rated, Pendant White Wet Pipe Sprinkler Head (Reliable F1FR56-300 Pendant).....	62.55	28.00
21 13 13 00-0085 EA 17/32" Orifice, 3/4" NPT Thread, Quick Response, 300 PSI Rated, Pendant Bronze Wet Pipe Sprinkler Head (Reliable F1FR-300 Pendant).....	69.38	31.10

21 Fire Suppression**21 10 Water-Based Fire-Suppression Systems****21 13 Fire-Suppression Sprinkler Systems**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 13 00-0086	EA	17/32" Orifice, 3/4" NPT Thread, Quick Response, 300 PSI Rated, Pendant Chrome Wet Pipe Sprinkler Head (Reliable F1FR-300 Pendant).....	71.15	31.10
21 13 13 00-0087	EA	17/32" Orifice, 3/4" NPT Thread, Quick Response, 300 PSI Rated, Pendant White Wet Pipe Sprinkler Head (Reliable F1FR-300 Pendant).....	71.15	31.10
21 13 13 00-0088	EA	1/2" Orifice, 1/2" NPT Thread, K=5.6, 300 PSI Rated, Pendant Bronze Wet Pipe Sprinkler Head (Reliable KFR56-300 Pendant).....	60.71	28.00
21 13 13 00-0089	EA	1/2" Orifice, 1/2" NPT Thread, K=5.6, 300 PSI Rated, Pendant Chrome Wet Pipe Sprinkler Head (Reliable KFR56-300 Pendant).....	61.68	28.00
21 13 13 00-0090	EA	1/2" Orifice, 1/2" NPT Thread, K=5.6, 300 PSI Rated, Pendant White Wet Pipe Sprinkler Head (Reliable KFR56-300 Pendant).....	62.55	28.00
21 13 13 00-0091	EA	1/2" Orifice, 1/2" NPT Thread, Quick Response, Pendant Bronze Wet Pipe Sprinkler Head (Reliable GFR Pendant).....	64.90	28.00
21 13 13 00-0092	EA	1/2" Orifice, 1/2" NPT Thread, Quick Response, Pendant Chrome Wet Pipe Sprinkler Head (Reliable GFR Pendant).....	66.68	28.00
21 13 13 00-0093	EA	17/32" Orifice, 3/4" NPT Thread, Quick Response, Pendant Bronze Wet Pipe Sprinkler Head (Reliable GFR Pendant).....	74.53	31.10
21 13 13 00-0094	EA	17/32" Orifice, 3/4" NPT Thread, Quick Response, Pendant Chrome Wet Pipe Sprinkler Head (Reliable GFR Pendant).....	77.45	31.10
21 13 13 00-0095	EA	3/8" Orifice, 1/2" NPT Thread, Quick Response, Pendant Bronze Wet Pipe Sprinkler Head (Reliable GFR Pendant).....	69.35	28.00
21 13 13 00-0096	EA	3/8" Orifice, 1/2" NPT Thread, Quick Response, Pendant Chrome Wet Pipe Sprinkler Head (Reliable GFR Pendant).....	72.27	28.00
21 13 13 00-0097	EA	7/16" Orifice, 1/2" NPT Thread, Quick Response, Pendant Bronze Wet Pipe Sprinkler Head (Reliable GFR Pendant).....	69.35	28.00
21 13 13 00-0098	EA	7/16" Orifice, 1/2" NPT Thread, Quick Response, Pendant Chrome Wet Pipe Sprinkler Head (Reliable GFR Pendant).....	72.27	28.00
21 13 13 00-0099	EA	1/2" Orifice, 1/2" NPT Thread, Decorative Pendant Chrome Wet Pipe Sprinkler Head (Reliable XL Commerical R4514).....	87.33	28.00
21 13 13 00-0100	EA	1/2" Orifice, 1/2" NPT Thread, Decorative Pendant White Wet Pipe Sprinkler Head (Reliable XL Commerical R4514).....	87.33	28.00
21 13 13 00-0101	EA	1/2" Orifice, 1/2" NPT Thread, K=5.6, Concealed Pendant Non-Ferrous Sprinkler Head With Escutcheon And Adjustable Chrome Coverplate (Reliable F4FR-NF).....	126.23	43.54
21 13 13 00-0102	EA	1/2" Orifice, 1/2" NPT Thread, K=5.6, Concealed Pendant Non-Ferrous Sprinkler Head With Escutcheon And Adjustable White Coverplate (Reliable F4FR-NF).....	126.23	43.54
21 13 13 00-0103	EA	1/2" Orifice, 1/2" NPT Thread, K=5.6, Extended Coverage, Pendant Bronze Wet Pipe Sprinkler Head (Reliable F1FR 56 QREC Pendant).....	62.60	28.00
21 13 13 00-0104	EA	1/2" Orifice, 1/2" NPT Thread, K=5.6, Extended Coverage, Pendant Chrome Wet Pipe Sprinkler Head (Reliable F1FR 56 QREC Pendant).....	64.13	28.00
21 13 13 00-0105	EA	1/2" Orifice, 1/2" NPT Thread, K=5.6, Extended Coverage, Pendant White Wet Pipe Sprinkler Head (Reliable F1FR 56 QREC Pendant).....	64.93	28.00
21 13 13 00-0106	EA	17/32" Orifice, 3/4" NPT Thread, Quick Response, Extended Coverage, Pendant Bronze Wet Pipe Sprinkler Head (Reliable F1FR EC Pendant).....	68.74	31.10
21 13 13 00-0107	EA	17/32" Orifice, 3/4" NPT Thread, Quick Response, Extended Coverage, Pendant Chrome Wet Pipe Sprinkler Head (Reliable F1FR EC Pendant).....	70.25	31.10
21 13 13 00-0108	EA	17/32" Orifice, 3/4" NPT Thread, Quick Response, Extended Coverage, Pendant White Wet Pipe Sprinkler Head (Reliable F1FR EC Pendant).....	71.72	31.10
21 13 13 00-0109	EA	1/2" Orifice, 1/2" NPT Thread, K=5.6, 300 PSI Rated, Extended Coverage, Pendant Bronze Wet Pipe Sprinkler Head (Reliable F1FR56-300 QREC Pendant).....	63.46	28.00
21 13 13 00-0110	EA	1/2" Orifice, 1/2" NPT Thread, K=5.6, 300 PSI Rated, Extended Coverage, Pendant Chrome Wet Pipe Sprinkler Head (Reliable F1FR56-300 QREC Pendant).....	64.96	28.00
21 13 13 00-0111	EA	1/2" Orifice, 1/2" NPT Thread, K=5.6, 300 PSI Rated, Extended Coverage, Pendant White Wet Pipe Sprinkler Head (Reliable F1FR56-300 QREC Pendant).....	65.78	28.00
21 13 13 00-0112	EA	17/32" Orifice, 3/4" NPT Thread, Quick Response, 300 PSI Rated, Extended Coverage, Pendant Bronze Wet Pipe Sprinkler Head (Reliable F1FR-300 QREC Pendant).....	69.38	31.10
21 13 13 00-0113	EA	17/32" Orifice, 3/4" NPT Thread, Quick Response, 300 PSI Rated, Extended Coverage, Pendant Chrome Wet Pipe Sprinkler Head (Reliable F1FR-300 QREC Pendant).....	70.96	31.10
21 13 13 00-0114	EA	17/32" Orifice, 3/4" NPT Thread, Quick Response, 300 PSI Rated, Extended Coverage, Pendant White Wet Pipe Sprinkler Head (Reliable F1FR-300 QREC Pendant).....	72.48	31.10
21 13 13 00-0115		Sidewall Wet-Pipe Sprinkler Heads <small>(21 13 13 00-0018)</small>		
21 13 13 00-0116		Horizontal Sidewall Wet-Pipe Sprinkler Heads <small>(21 13 13 00-0115)</small>		
21 13 13 00-0117	EA	1/2" Orifice, 1/2" NPT Thread, K=5.6, Horizontal Sidewall Bronze Wet Pipe Sprinkler Head (Reliable F1FR 56 HSW).....	62.06	28.00
21 13 13 00-0118	EA	1/2" Orifice, 1/2" NPT Thread, K=5.6, Horizontal Sidewall Chrome Wet Pipe Sprinkler Head (Reliable F1FR 56 HSW).....	63.15	28.00
21 13 13 00-0119	EA	1/2" Orifice, 1/2" NPT Thread, K=5.6, Horizontal Sidewall White Wet Pipe Sprinkler Head (Reliable F1FR 56 HSW).....	64.88	28.00
21 13 13 00-0120	EA	1/2" Orifice, 1/2" NPT Thread, K=5.6, Horizontal Sidewall Bronze Wet Pipe Sprinkler Head (Reliable KFR 56 HSW).....	62.06	28.00
21 13 13 00-0121	EA	1/2" Orifice, 1/2" NPT Thread, K=5.6, Horizontal Sidewall Chrome Wet Pipe Sprinkler Head (Reliable KFR 56 HSW).....	63.15	28.00
21 13 13 00-0122	EA	1/2" Orifice, 1/2" NPT Thread, K=5.6, Horizontal Sidewall White Wet Pipe Sprinkler Head (Reliable KFR 56 HSW).....	64.88	28.00
21 13 13 00-0123	EA	1/2" Orifice, 1/2" NPT Thread, K=5.6, 300 PSI Rated, Horizontal Sidewall Bronze Wet Pipe Sprinkler Head (Reliable F1FR56-300 HSW).....	62.68	28.00
21 13 13 00-0124	EA	1/2" Orifice, 1/2" NPT Thread, K=5.6, 300 PSI Rated, Horizontal Sidewall Chrome Wet Pipe Sprinkler Head (Reliable F1FR56-300 HSW).....	63.79	28.00
21 13 13 00-0125	EA	1/2" Orifice, 1/2" NPT Thread, K=5.6, 300 PSI Rated, Horizontal Sidewall White Wet Pipe Sprinkler Head (Reliable F1FR56-300 HSW).....	65.55	28.00
21 13 13 00-0126	EA	1/2" Orifice, 1/2" NPT Thread, K=5.6, 300 PSI Rated, Horizontal Sidewall Bronze Wet Pipe Sprinkler Head (Reliable KFR56-300 HSW).....	62.68	28.00
21 13 13 00-0127	EA	1/2" Orifice, 1/2" NPT Thread, K=5.6, 300 PSI Rated, Horizontal Sidewall Chrome Wet Pipe Sprinkler Head (Reliable KFR56-300 HSW).....	63.79	28.00



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 13 00-0128 EA 1/2" Orifice, 1/2" NPT Thread, K=5.6, 300 PSI Rated, Horizontal Sidewall White Wet Pipe Sprinkler Head (Reliable KFR56-300 HSW).....	65.55	28.00
21 13 13 00-0129 EA 1/2" Orifice, 1/2" NPT Thread, Quick Response, Horizontal Sidewall Bronze Wet Pipe Sprinkler Head (Reliable GFR HSW)	66.68	28.00
21 13 13 00-0130 EA 1/2" Orifice, 1/2" NPT Thread, Quick Response, Horizontal Sidewall Chrome Wet Pipe Sprinkler Head (Reliable GFR HSW)	68.46	28.00
21 13 13 00-0131 EA 17/32" Orifice, 3/4" NPT Thread, Quick Response, Horizontal Sidewall Bronze Wet Pipe Sprinkler Head (Reliable GFR HSW)	72.76	31.10
21 13 13 00-0132 EA 17/32" Orifice, 3/4" NPT Thread, Quick Response, Horizontal Sidewall Chrome Wet Pipe Sprinkler Head (Reliable GFR HSW)	75.42	31.10
21 13 13 00-0133 EA 3/8" Orifice, 1/2" NPT Thread, Quick Response, Horizontal Sidewall Bronze Wet Pipe Sprinkler Head (Reliable GFR HSW)	70.51	28.00
21 13 13 00-0134 EA 3/8" Orifice, 1/2" NPT Thread, Quick Response, Horizontal Sidewall Chrome Wet Pipe Sprinkler Head (Reliable GFR HSW)	72.27	28.00
21 13 13 00-0135 EA 7/16" Orifice, 1/2" NPT Thread, Quick Response, Horizontal Sidewall Bronze Wet Pipe Sprinkler Head (Reliable GFR HSW)	70.51	28.00
21 13 13 00-0136 EA 7/16" Orifice, 1/2" NPT Thread, Quick Response, Horizontal Sidewall Chrome Wet Pipe Sprinkler Head (Reliable GFR HSW)	72.27	28.00
21 13 13 00-0137 EA 1/2" Orifice, 1/2" NPT Thread, Decorative Horizontal Sidewall Chrome Wet Pipe Sprinkler Head (Reliable XL Commerical R4534).....	97.15	28.00
21 13 13 00-0138 EA 1/2" Orifice, 1/2" NPT Thread, Decorative Horizontal Sidewall White Wet Pipe Sprinkler Head (Reliable XL Commerical R4534).....	97.15	28.00
21 13 13 00-0139 EA 1/2" Orifice, 1/2" NPT Thread, K=5.6, Extended Coverage, Horizontal Sidewall Bronze Wet Pipe Sprinkler Head (Reliable F1FR56 QREC EC8).....	61.13	28.00
21 13 13 00-0140 EA 1/2" Orifice, 1/2" NPT Thread, K=5.6, Extended Coverage, Horizontal Sidewall Chrome Wet Pipe Sprinkler Head (Reliable F1FR56 QREC EC8).....	62.03	28.00
21 13 13 00-0141 EA 1/2" Orifice, 1/2" NPT Thread, K=5.6, Extended Coverage, Horizontal Sidewall White Wet Pipe Sprinkler Head (Reliable F1FR56 QREC EC8).....	63.16	28.00
21 13 13 00-0142 EA 17/32" Orifice, 3/4" NPT Thread, Quick Response, Extended Coverage, Horizontal Sidewall Bronze Wet Pipe Sprinkler Head (Reliable F1FR QREC EC9)	67.37	31.10
21 13 13 00-0143 EA 17/32" Orifice, 3/4" NPT Thread, Quick Response, Extended Coverage, Horizontal Sidewall Chrome Wet Pipe Sprinkler Head (Reliable F1FR QREC EC9)	68.34	31.10
21 13 13 00-0144 EA 17/32" Orifice, 3/4" NPT Thread, Quick Response, Extended Coverage, Horizontal Sidewall White Wet Pipe Sprinkler Head (Reliable F1FR QREC EC9)	69.38	31.10
21 13 13 00-0145 EA 17/32" Orifice, 3/4" NPT Thread, Quick Response, 300 PSI Rated, Extended Coverage, Horizontal Sidewall Bronze Wet Pipe Sprinkler Head (Reliable F1FR-300 QREC EC9)	68.14	31.10
21 13 13 00-0146 EA 17/32" Orifice, 3/4" NPT Thread, Quick Response, 300 PSI Rated, Extended Coverage, Horizontal Sidewall Chrome Wet Pipe Sprinkler Head (Reliable F1FR-300 QREC EC9).....	69.14	31.10
21 13 13 00-0147 EA 17/32" Orifice, 3/4" NPT Thread, Quick Response, 300 PSI Rated, Extended Coverage, Horizontal Sidewall White Wet Pipe Sprinkler Head (Reliable F1FR-300 QREC EC9).....	70.22	31.10
21 13 13 00-0148 EA 1/2" Orifice, 1/2" NPT Thread, K=5.6, Extended Coverage, Horizontal Sidewall Bronze Wet Pipe Sprinkler Head (Reliable DH56 QREC).....	63.76	28.00
21 13 13 00-0149 EA 1/2" Orifice, 1/2" NPT Thread, K=5.6, Extended Coverage, Horizontal Sidewall Chrome Wet Pipe Sprinkler Head (Reliable DH56 QREC).....	65.41	28.00
21 13 13 00-0150 EA 1/2" Orifice, 1/2" NPT Thread, K=5.6, Extended Coverage, Horizontal Sidewall White Wet Pipe Sprinkler Head (Reliable DH56 QREC).....	65.41	28.00
21 13 13 00-0151 EA 17/32" Orifice, 3/4" NPT Thread, K=8.0, Extended Coverage, Horizontal Sidewall Bronze Wet Pipe Sprinkler Head (Reliable DH80)	70.24	31.10
21 13 13 00-0152 EA 17/32" Orifice, 3/4" NPT Thread, K=8.0, Extended Coverage, Horizontal Sidewall Chrome Wet Pipe Sprinkler Head (Reliable DH80)	71.72	31.10
21 13 13 00-0153 EA 17/32" Orifice, 3/4" NPT Thread, K=8.0, Extended Coverage, Horizontal Sidewall White Wet Pipe Sprinkler Head (Reliable DH80).....	71.72	31.10
21 13 13 00-0154 Vertical Sidewall Wet-Pipe Sprinkler Heads <small>(21 13 13 00-0115)</small>		
21 13 13 00-0155 EA 1/2" Orifice, 1/2" NPT Thread, K=5.6, Vertical Sidewall Bronze Wet Pipe Sprinkler Head (Reliable F1FR56 VSW)	63.48	28.00
21 13 13 00-0156 EA 1/2" Orifice, 1/2" NPT Thread, K=5.6, Vertical Sidewall Chrome Wet Pipe Sprinkler Head (Reliable F1FR56 VSW).....	64.84	28.00
21 13 13 00-0157 EA 1/2" Orifice, 1/2" NPT Thread, K=5.6, Vertical Sidewall White Wet Pipe Sprinkler Head (Reliable F1FR56 VSW)	65.42	28.00
21 13 13 00-0158 Concealed Wet-Pipe Sprinkler Heads <small>(21 13 13 00-0018)</small>		
21 13 13 00-0159 Concealed Pendant Wet-Pipe Sprinkler Heads <small>(21 13 13 00-0158)</small>		
21 13 13 00-0160 EA 1/2" Orifice, 1/2" NPT Thread, K=5.6, Concealed Pendent Bronze Wet Pipe Sprinkler Head, Low Lead (Reliable F1FR 56 LL CCP).....	88.95	37.33
Note: Excludes coverplate		
21 13 13 00-0161 EA 1/2" Orifice, 1/2" NPT Thread, K=5.6, Concealed Pendent Bronze Wet Pipe Sprinkler Head (Reliable F1FR 56 CCP).....	72.99	37.33
Note: Excludes coverplate		
21 13 13 00-0162 EA 1/2" Orifice, 1/2" NPT Thread, K=5.6, 300 PSI Rated, Concealed Pendent Bronze Wet Pipe Sprinkler Head (Reliable F1FR56-300 CCP).....	73.57	37.33
Note: Excludes coverplate		
21 13 13 00-0163 EA 1/2" Orifice, 1/2" NPT Thread, K=5.6, Concealed Pendent Bronze Wet Pipe Sprinkler Head (Reliable KFR 56 CCP).....	72.99	37.33
Note: Excludes coverplate		
21 13 13 00-0164 EA 1/2" Orifice, 1/2" NPT Thread, K=5.6, 300 PSI Rated, Concealed Pendent Bronze Wet Pipe Sprinkler Head (Reliable KFR56-300 CCP)	73.57	37.33
Note: Excludes coverplate		
21 13 13 00-0165 EA 17/32" Orifice, 3/4" NPT Thread, K=8.0, Concealed Pendent Bronze Wet Pipe Sprinkler Head (Reliable G5-80)	86.68	40.44
Note: Excludes coverplate		
21 13 13 00-0166 EA 1/2" Orifice, 1/2" NPT Thread, K=5.6, Concealed Pendent Bronze Wet Pipe Sprinkler Head (Reliable G5-56)	77.75	37.33
Note: Excludes coverplate		
21 13 13 00-0167 EA 7/16" Orifice, 1/2" NPT Thread, K=4.2, Concealed Pendent Bronze Wet Pipe Sprinkler Head (Reliable G5-42).....	81.49	37.33
Note: Excludes coverplate		

21 Fire Suppression**21 10 Water-Based Fire-Suppression Systems****21 13 Fire-Suppression Sprinkler Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 13 00-0168 EA 3/8" Orifice, 1/2" NPT Thread, K=2.8, Concealed Pendent Bronze Wet Pipe Sprinkler Head (Reliable G5-28) Note: Excludes coverplate	81.49	37.33
21 13 13 00-0169 EA 17/32" Orifice, 3/4" NPT Thread, K=8.0, Quick Response, Concealed Pendent Bronze Wet Pipe Sprinkler Head (Reliable G5-80 QR) Note: Excludes coverplate	86.68	40.44
21 13 13 00-0170 EA 1/2" Orifice, 1/2" NPT Thread, K=5.6, Quick Response, Concealed Pendent Bronze Wet Pipe Sprinkler Head (Reliable G5-56 QR) Note: Excludes coverplate	77.75	37.33
21 13 13 00-0171 EA 7/16" Orifice, 1/2" NPT Thread, K=4.2, Quick Response, Concealed Pendent Bronze Wet Pipe Sprinkler Head (Reliable G5-42 QR) Note: Excludes coverplate	81.49	37.33
21 13 13 00-0172 EA 3/8" Orifice, 1/2" NPT Thread, K=2.8, Quick Response, Concealed Pendent Bronze Wet Pipe Sprinkler Head (Reliable G5-28 QR) Note: Excludes coverplate	81.49	37.33
21 13 13 00-0173 EA 1/2" Orifice, 1/2" NPT Thread, K=5.6, 300 PSI Rated, Quick Response, Concealed Pendent Bronze Wet Pipe Sprinkler Head (Reliable G5-56 300 QR) Note: Excludes coverplate	78.64	37.33
21 13 13 00-0174 EA 1/2" Orifice, 1" NPT Thread, K=5.6, Quick Response, Adjustable Concealed Pendent Bronze Wet Pipe Sprinkler Head (Reliable G4A) Note: Excludes coverplate	114.12	43.54
21 13 13 00-0175 EA 1/2" Orifice, 1/2" NPT Thread, K=5.6, Extended Coverage, Concealed Pendent Bronze Wet Pipe Sprinkler Head (Reliable F1FR56 QREC) Note: Excludes coverplate	75.89	37.33
21 13 13 00-0176 EA 17/32" Orifice, 3/4" NPT Thread, K=5.6, Extended Coverage, Concealed Pendent Bronze Wet Pipe Sprinkler Head (Reliable F1FR QREC) Note: Excludes coverplate	80.84	40.44
21 13 13 00-0177 EA 1/2" Orifice, 1/2" NPT Thread, K=5.6, 300 PSI Rated, Extended Coverage, Concealed Pendent Bronze Wet Pipe Sprinkler Head (Reliable F1FR56-300 QREC) Note: Excludes coverplate	76.42	37.33
21 13 13 00-0178 EA 17/32" Orifice, 3/4" NPT Thread, K=5.6, 300 PSI Rated, Extended Coverage, Concealed Pendent Bronze Wet Pipe Sprinkler Head (Reliable F1FR-300 QREC) Note: Excludes coverplate	81.61	40.44
21 13 13 00-0179 EA 17/32" Orifice, 3/4" NPT Thread, K=8.0, Extended Coverage, Concealed Pendent Bronze Wet Pipe Sprinkler Head (Reliable DH80 CCP) Note: Excludes coverplate	86.92	40.44
21 13 13 00-0180 EA 3/4" NPT Thread, Extended Coverage, Concealed Pendent Bronze Wet Pipe Sprinkler Head (Reliable G4 XLO- QR ECLH/ECOH) Note: Excludes coverplate	88.19	40.44
21 13 13 00-0181 Concealed Horizontal Side Wall Wet-Pipe Sprinkler Heads <small>(21 13 13 00-0158)</small>		
21 13 13 00-0182 EA 1/2" Orifice, 1/2" NPT Thread, K=5.6, Quick Response, Concealed Horizontal Sidewall Bronze Wet Pipe Sprinkler Head (Reliable G6-56 HSW QR) Note: Excludes coverplate	93.39	37.33
21 13 13 00-0183 EA 17/32" Orifice, 3/4" NPT Thread, K=8.0, Quick Response, Concealed Horizontal Sidewall Bronze Wet Pipe Sprinkler Head (Reliable G6-80 HSW QR) Note: Excludes coverplate	103.78	40.44
21 13 13 00-0184 EA 1/2" Orifice, 1/2" NPT Thread, K=5.6, Extended Coverage, Concealed Horizontal Sidewall Bronze Wet Pipe Sprinkler Head (Reliable DH56 QREC CCP) Note: Excludes coverplate	80.41	37.33
21 13 13 00-0185 EA 17/32" Orifice, 3/4" NPT Thread, K=8.0, Quick Response, Extended Coverage, Concealed Horizontal Sidewall Bronze Wet Pipe Sprinkler Head (Reliable F1FR HSWQREC) Note: Excludes coverplate	83.63	40.44
21 13 13 00-0186 Institutional Tamper Resistant Wet-Pipe Sprinkler Heads <small>(21 13 13 00-0018)</small>		
21 13 13 00-0187 EA Institutional Tamper Resistant Pendant Sprinkler (Tyco TFP PH2) Note: Complete assembly including escutcheon, spacers, retaining flange, and centering grommet.	172.62	
21 13 13 00-0188 EA Institutional Tamper Resistant Horizontal Sidewall Sprinkler (Tyco TFP PH5) Note: Complete assembly including escutcheon, spacers, retaining flange, and centering grommet.	169.13	
21 13 13 00-0189 EA Institutional Tamper Resistant Pendant Sprinkler, Quick Response (Tyco Raven).....	88.77	
21 13 13 00-0190 EA Institutional Tamper Resistant Horizontal Sidewall Sprinkler, Quick Response (Tyco Raven)	96.01	
21 13 13 00-0191 Wet-Pipe Sprinkler Head Accessories <small>(21 13 13 00-0011)</small>		
21 13 13 00-0192 Sprinkler Adjustable Steel Drop Nipple <small>(21 13 13 00-0191)</small>		
21 13 13 00-0193 EA 1" Male NPT x 1/2" Female NPT x 4.125" Minimum Length To 5.125" Maximum Length, Adjustable Steel Drop Nipple (Anvil M1.150)	34.82	12.54
21 13 13 00-0194 EA 1" Male NPT x 1/2" Female NPT x 6.125" Minimum Length To 9.125" Maximum Length, Adjustable Steel Drop Nipple (Anvil M3.150)	34.82	12.54
21 13 13 00-0195 EA 1" Male NPT x 1/2" Female NPT x 7.875" Minimum Length To 10.875" Maximum Length, Adjustable Steel Drop Nipple (Anvil ME3.150)	35.10	12.54
21 13 13 00-0196 EA 1" Female NPT x 1/2" Female NPT x 3.5" Minimum Length To 4.5" Maximum Length, Adjustable Steel Drop Nipple (Anvil F1.150)	32.17	12.54
21 13 13 00-0197 EA 1" Female NPT x 1/2" Female NPT x 4.5" Minimum Length To 6.5" Maximum Length, Adjustable Steel Drop Nipple (Anvil F2.150)	32.17	12.54
21 13 13 00-0198 EA 1" Female NPT x 1/2" Female NPT x 5.5" Minimum Length To 8.5" Maximum Length, Adjustable Steel Drop Nipple (Anvil F3.150)	32.17	12.54
21 13 13 00-0199 EA 1" Female NPT x 3/4" Female NPT x 7.35" Minimum Length To 10.35" Maximum Length, Adjustable Steel Drop Nipple (Anvil F3.175)	35.64	13.62
21 13 13 00-0200 Sprinkler Head Escutcheon <small>(21 13 13 00-0191)</small>		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 13 00-0201 EA 2-7/8" Diameter x 1-1/8" Depth, Two Piece, 1/2" NPT, Brass Sprinkler Head Recessed Escutcheon (Reliable GF1B).....	13.48	4.67
21 13 13 00-0202 EA 2-7/8" Diameter x 1-1/8" Depth, Two Piece, 1/2" NPT, Chrome Sprinkler Head Recessed Escutcheon (Reliable GF1C).....	10.60	4.67
21 13 13 00-0203 EA 2-7/8" Diameter x 1-1/8" Depth, Two Piece, 1/2" NPT, White Sprinkler Head Recessed Escutcheon (Reliable GF1W).....	10.60	4.67
21 13 13 00-0204 EA 2-7/8" Diameter x 1-1/8" Depth, Two Piece, 3/4" NPT, Brass Sprinkler Head Recessed Escutcheon (Reliable GF1LB).....	13.48	4.67
21 13 13 00-0205 EA 2-7/8" Diameter x 1-1/8" Depth, Two Piece, 3/4" NPT, Chrome Sprinkler Head Recessed Escutcheon (Reliable GF1LC).....	10.60	4.67
21 13 13 00-0206 EA 2-7/8" Diameter x 1-1/8" Depth, Two Piece, 3/4" NPT, White Sprinkler Head Recessed Escutcheon (Reliable GF1LW).....	10.60	4.67
21 13 13 00-0207 EA 2-7/8" Diameter x 7/8" Depth, Two Piece, 1/2" NPT, Brass Sprinkler Head Recessed Escutcheon (Reliable GF2B).....	12.96	4.67
21 13 13 00-0208 EA 2-7/8" Diameter x 7/8" Depth, Two Piece, 1/2" NPT, Chrome Sprinkler Head Recessed Escutcheon (Reliable GF2C).....	10.60	4.67
21 13 13 00-0209 EA 2-7/8" Diameter x 7/8" Depth, Two Piece, 1/2" NPT, White Sprinkler Head Recessed Escutcheon (Reliable GF2W).....	10.60	4.67
21 13 13 00-0210 EA 2-7/8" Diameter x 7/8" Depth, Two Piece, 3/4" NPT, Brass Sprinkler Head Recessed Escutcheon (Reliable GF2LB).....	12.96	4.67
21 13 13 00-0211 EA 2-7/8" Diameter x 7/8" Depth, Two Piece, 3/4" NPT, Chrome Sprinkler Head Recessed Escutcheon (Reliable GF2LC).....	10.60	4.67
21 13 13 00-0212 EA 2-7/8" Diameter x 7/8" Depth, Two Piece, 3/4" NPT, White Sprinkler Head Recessed Escutcheon (Reliable GF2LW).....	10.60	4.67
21 13 13 00-0213 EA 3-7/32" Diameter x 15/16" Depth, Two Piece, 1/2" NPT, Push-On/Thread-Off Chrome Sprinkler Head Recessed Escutcheon (Reliable FPC).....	13.22	4.67
21 13 13 00-0214 EA 3-7/32" Diameter x 15/16" Depth, Two Piece, 1/2" NPT, Push-On/Thread-Off White Sprinkler Head Recessed Escutcheon (Reliable FPW).....	13.22	4.67
21 13 13 00-0215 EA 2-7/8" Diameter x 11/16" Depth, One Piece, 1/2" NPT, Brass Sprinkler Head Escutcheon (Reliable BB).....	6.35	3.42
21 13 13 00-0216 EA 2-7/8" Diameter x 11/16" Depth, One Piece, 1/2" NPT, Chrome Sprinkler Head Escutcheon (Reliable BC).....	5.98	3.42
21 13 13 00-0217 EA 2-7/8" Diameter x 11/16" Depth, One Piece, 1/2" NPT, White Sprinkler Head Escutcheon (Reliable BW).....	6.08	3.42
21 13 13 00-0218 EA 2-7/8" Diameter x 11/16" Depth, One Piece, 3/4" NPT, Brass Sprinkler Head Escutcheon (Reliable BLB).....	6.41	3.42
21 13 13 00-0219 EA 2-7/8" Diameter x 11/16" Depth, One Piece, 3/4" NPT, Chrome Sprinkler Head Escutcheon (Reliable BLC).....	6.05	3.42
21 13 13 00-0220 EA 2-7/8" Diameter x 11/16" Depth, One Piece, 3/4" NPT, White Sprinkler Head Escutcheon (Reliable BLW).....	6.05	3.42
21 13 13 00-0221 EA 2-7/8" Diameter x 1/8" Depth, One Piece, 1/2" NPT, Bright Brass Sprinkler Head Escutcheon (Reliable CBB).....	6.79	3.42
21 13 13 00-0222 EA 2-7/8" Diameter x 1/8" Depth, One Piece, 1/2" NPT, Chrome Sprinkler Head Escutcheon (Reliable CC).....	6.04	3.42
21 13 13 00-0223 EA 2-7/8" Diameter x 1/8" Depth, One Piece, 1/2" NPT, White Sprinkler Head Escutcheon (Reliable CW).....	6.04	3.42
21 13 13 00-0224 EA 3-1/2" Diameter x 2" Minimum To 3" Maximum Depth, Two Piece, 1/2" NPT, Brass Sprinkler Head Telescoping Escutcheon (Reliable HBB).....	9.27	4.79
21 13 13 00-0225 EA 3-1/2" Diameter x 2" Minimum To 3" Maximum Depth, Two Piece, 1/2" NPT, Chrome Sprinkler Head Telescoping Escutcheon (Reliable HBC).....	9.08	4.79
21 13 13 00-0226 EA 3-1/2" Diameter x 2" Minimum To 3" Maximum Depth, Two Piece, 1/2" NPT, White Sprinkler Head Telescoping Escutcheon (Reliable HBW).....	9.14	4.79
21 13 13 00-0227 EA 3-1/2" Diameter x 2" Minimum To 3" Maximum Depth, Two Piece, 3/4" NPT, Brass Sprinkler Head Telescoping Escutcheon (Reliable HBLB).....	9.34	4.79
21 13 13 00-0228 EA 3-1/2" Diameter x 2" Minimum To 3" Maximum Depth, Two Piece, 3/4" NPT, Chrome Sprinkler Head Telescoping Escutcheon (Reliable HBLC).....	9.14	4.79
21 13 13 00-0229 EA 3-1/2" Diameter x 2" Minimum To 3" Maximum Depth, Two Piece, 3/4" NPT, White Sprinkler Head Telescoping Escutcheon (Reliable HBLW).....	9.27	4.79
21 13 13 00-0230 EA Chrome Sprinkler Head Escutcheon For Model XL Flat (Reliable ZXFC).....	15.60	4.67
21 13 13 00-0231 EA White Sprinkler Head Escutcheon For Model XL Flat (Reliable ZXFPW).....	15.60	4.67
21 13 13 00-0232 EA Chrome Sprinkler Head Escutcheon For Model XL Conical (Reliable ZXCPC).....	15.60	4.67
21 13 13 00-0233 EA White Sprinkler Head Escutcheon For Model XL Conical (Reliable ZXCPCW).....	15.60	4.67
21 13 13 00-0234 EA Chrome Sprinkler Head Escutcheon For Model XL HSW (Reliable ZXCHC).....	15.60	4.67
21 13 13 00-0235 EA White Sprinkler Head Escutcheon For Model XL HSW (Reliable ZXCHW).....	15.60	4.67
21 13 13 00-0236 EA 2-Piece Chrome Sprinkler Head Escutcheon For Model XL Pendant (Reliable ZX2PC).....	17.39	4.67
21 13 13 00-0237 EA 2-Piece White Sprinkler Head Escutcheon For Model XL Pendant (Reliable ZX2PW).....	17.80	4.67

21 13 13 00-0238 Coverplate For Sprinkler Heads (21 13 13 00-0191)

21 13 13 00-0239 EA Chrome Coverplate For Concealed Pendant Sprinkler Head (Reliable CCP0C76, CCP1C76).....	32.08	5.29
21 13 13 00-0240 EA White Coverplate For Concealed Pendant Sprinkler Head (Reliable CCP0W76, CCP1W76).....	17.88	5.29
21 13 13 00-0241 EA Specialty Coverplate For Concealed Pendant Sprinkler Head (Reliable CCP0SP76, CCP1SP76).....	24.04	5.29
21 13 13 00-0242 EA Chrome Coverplate For Concealed Pendant Sprinkler Head (Reliable CCP0C76, CCP1C76).....	32.08	5.29
21 13 13 00-0243 EA White Coverplate For Concealed Pendant Sprinkler Head (Reliable CCP0W76, CCP1W76).....	17.88	5.29
21 13 13 00-0244 EA Specialty Coverplate For Concealed Pendant Sprinkler Head (Reliable CCP0SP76, CCP1SP76).....	24.04	5.29
21 13 13 00-0245 EA White Coverplate For Concealed Sidewall Sprinkler Head (Reliable CHWNS).....	18.19	5.29
21 13 13 00-0246 EA Specialty Coverplate For Concealed Sidewall Sprinkler Head (Reliable CHSPNS).....	22.87	5.29
21 13 13 00-0247 EA Brass Coverplate For Concealed Sidewall Sprinkler Head (Reliable CG60B).....	22.64	5.29
21 13 13 00-0248 EA Chrome Coverplate For Concealed Sidewall Sprinkler Head (Reliable CG60C).....	18.82	5.29
21 13 13 00-0249 EA White Coverplate For Concealed Sidewall Sprinkler Head (Reliable CG60W).....	18.82	5.29
21 13 13 00-0250 EA Specialty Coverplate For Concealed Sidewall Sprinkler Head (Reliable CG60SP).....	23.36	5.29
21 13 13 00-0251 EA Brass Coverplate For Concealed Sidewall Sprinkler Head (Reliable CG40B, CG41B).....	22.44	5.29
21 13 13 00-0252 EA Chrome Coverplate For Concealed Sidewall Sprinkler Head (Reliable CG40C, CG41C).....	18.82	5.29
21 13 13 00-0253 EA White Coverplate For Concealed Sidewall Sprinkler Head (Reliable CG40W, CG41W).....	18.82	5.29
21 13 13 00-0254 EA Off-White Coverplate For Concealed Sidewall Sprinkler Head (Reliable CG40OW, CG41OW).....	22.44	5.29
21 13 13 00-0255 EA Black Painted Coverplate For Concealed Sidewall Sprinkler Head (Reliable CG40FB, CG41FB).....	22.44	5.29
21 13 13 00-0256 EA Black Plated Coverplate For Concealed Sidewall Sprinkler Head (Reliable CG40BP, CG41BP).....	25.31	5.29
21 13 13 00-0257 EA Bright Brass Coverplate For Concealed Sidewall Sprinkler Head (Reliable CG40BB, CG41BB).....	25.31	5.29
21 13 13 00-0258 EA Satin Chrome Coverplate For Concealed Sidewall Sprinkler Head (Reliable CG40CD, CG41CD).....	25.31	5.29
21 13 13 00-0259 EA Specialty Coverplate For Concealed Sidewall Sprinkler Head (Reliable CG40SP, CG41SP).....	22.46	5.29
21 13 13 00-0260 EA White Coverplate For Quick Release Concealed Sidewall Sprinkler Head (Reliable CG5SOW).....	35.96	6.22

21 Fire Suppression**21 10 Water-Based Fire-Suppression Systems****21 13 Fire-Suppression Sprinkler Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 13 00-0261			Sprinkler Escutcheon Extension Tube <small>(21 13 13 00-0191)</small>		
21 13 13 00-0262	EA		2.18" Diameter x 4" Long Stainless Steel With Chrome Or White Finish, Escutcheon Extension Tube.....	9.69	3.11
			Note: For use with 2 piece escutcheons		
21 13 13 00-0263	EA		2.18" Diameter x 6" Long Stainless Steel With Chrome Or White Finish, Escutcheon Extension Tube.....	11.94	3.27
			Note: For use with 2 piece escutcheons		
21 13 13 00-0264	EA		2.18" Diameter x 8" Long Stainless Steel With Chrome Or White Finish, Escutcheon Extension Tube.....	14.45	3.42
			Note: For use with 2 piece escutcheons		
21 13 13 00-0265	EA		2.18" Diameter x 10" Long Stainless Steel With Chrome Or White Finish, Escutcheon Extension Tube.....	16.71	3.58
			Note: For use with 2 piece escutcheons		
21 13 13 00-0266			Sprinkler Head Guards <small>(21 13 13 00-0191)</small>		
21 13 13 00-0267	EA		Universal Sprinkler Head Guard (Reliable C-1)	18.42	9.33
21 13 13 00-0268	EA		Dry Pendent Sprinkler Head Guard (Reliable C-2)	19.53	9.33
21 13 13 00-0269	EA		Upright Sprinkler Head Guard With Water Shield (Reliable C-3)	21.42	9.33
21 13 13 00-0270	EA		Pendent Sprinkler Head Guard With Water Shield (Reliable C-5)	23.76	9.33
21 13 13 00-0271	EA		Universal Sprinkler Head Guard (Reliable D-1)	19.49	9.33
21 13 13 00-0272	EA		Upright Sprinkler Head Guard With Water Shield (Reliable D-3)	20.21	9.33
21 13 13 00-0273	EA		Pendent Sprinkler Head Guard With Large Water Shield (Reliable D-4)	25.56	9.33
21 13 13 00-0274	EA		Pendent Sprinkler Head Guard With Small Water Shield (Reliable D-5)	24.49	9.33
21 13 13 00-0275			Flexible Sprinkler Piping <small>(21 13 13 00-0011)</small>		
			Note: 1" Diameter stainless steel flexible pipe with either 1/2" or 3/4" outlet.		
21 13 13 00-0276	EA		2' Long Stainless Steel Flexible Sprinkler Piping	59.14	16.07
			Note: Includes ceiling mounting bracket.		
21 13 13 00-0277	EA		3' Long Stainless Steel Flexible Sprinkler Piping	64.92	16.59
			Note: Includes ceiling mounting bracket.		
21 13 13 00-0278	EA		4' Long Stainless Steel Flexible Sprinkler Piping	70.87	17.63
			Note: Includes ceiling mounting bracket.		
21 13 13 00-0279	EA		5' Long Stainless Steel Flexible Sprinkler Piping	77.06	18.66
			Note: Includes ceiling mounting bracket.		
21 13 13 00-0280	EA		6' Long Stainless Steel Flexible Sprinkler Piping	83.51	20.74
			Note: Includes ceiling mounting bracket.		
21 13 16			Dry-Pipe Sprinkler Systems <small>(21 13)</small>		
21 13 16 00-0001			Complete Dry-Pipe Sprinkler Systems <small>(21 13 16)</small>		
			Note: Includes complete design per NFPA 13 and stamped shop drawings approved by a registered engineer. Includes all branch line piping (standard weight black steel, less than 2-1/2" diameter pipe, fittings, branch valves, hangers, sprinkler heads, etc. From riser pipe and mains. Excludes outside mains, inside vertical or horizontal pipe mains, greater than 2" diameter. The coverage of one sprinkler head varies from about 180 SF for light hazard occupancy, about 155 SF for ordinary, 90 to about 130 SF for extra hazard conditions. Excludes special alarm valves, gate valves, check valves, flow control devices, water motor gong assembly, Siamese connections, standpipes and fittings, pipe mains and fittings, fire pumps and tanks.		
21 13 16 00-0002			Light Hazard, Dry-Pipe Sprinkler Systems <small>(21 13 16 00-0001)</small>		
21 13 16 00-0003	EA		Exposed Piping, Light Hazard, Dry-Pipe Sprinkler System, Per Head.....	390.17	
			Note: Includes branch pipe and fittings, supports and sprinkler heads.		
			For Up To 5, Add	185.18	
			For >5 To 10, Add	111.80	
			For >10 To 20, Add	82.69	
			For >20 To 40, Add	34.07	
			For >100 To 150, Deduct	-39.02	
			For >150, Deduct	-78.03	
			For Copper Pipe, Add	43.97	
			For Polyvinyl Chloride (PVC) Pipe, Deduct	-63.48	
21 13 16 00-0004	EA		Concealed Piping, Light Hazard, Dry-Pipe Sprinkler System, Per Head.....	502.83	
			Note: Includes branch pipe and fittings, supports and sprinkler heads with flat or conical escutcheon.		
			For Up To 5, Add	240.63	
			For >5 To 10, Add	149.02	
			For >10 To 20, Add	109.52	
			For >20 To 40, Add	44.89	
			For >100 To 150, Deduct	-50.28	
			For >150, Deduct	-100.57	
			For Copper Pipe, Add	55.68	
			For Polyvinyl Chloride (PVC) Pipe, Deduct	-80.82	
21 13 16 00-0005			Ordinary Hazard, Dry-Pipe Sprinkler Systems <small>(21 13 16 00-0001)</small>		
21 13 16 00-0006	EA		Exposed Piping, Ordinary Hazard, Dry-Pipe Sprinkler System, Per Head.....	392.34	
			Note: Includes branch pipe and fittings, supports and sprinkler heads.		
			For Up To 5, Add	185.69	
			For >5 To 10, Add	111.11	
			For >10 To 20, Add	82.36	
			For >20 To 40, Add	33.99	
			For >100 To 150, Deduct	-39.23	
			For >150, Deduct	-78.47	
			For Copper Pipe, Add	44.48	
			For Polyvinyl Chloride (PVC) Pipe, Deduct	-64.09	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 16 00-0007 EA Concealed Piping, Ordinary Hazard, Dry-Pipe Sprinkler System, Per Head .....502.85 Note: Includes branch pipe and fittings, supports and sprinkler heads with flat or conical escutcheon. For Up To 5, Add 240.16 For >5 To 10, Add 147.83 For >10 To 20, Add 108.81 For >20 To 40, Add 44.65 For >100 To 150, Deduct -50.29 For >150, Deduct -100.57 For Copper Pipe, Add 55.92 For Polyvinyl Chloride (PVC) Pipe, Deduct -81.06		
21 13 16 00-0008 Extra Hazard, Dry-Pipe Sprinkler Systems (21 13 16 00-0001)		
21 13 16 00-0009 EA Exposed Piping, Extra Hazard, Dry-Pipe Sprinkler System, Per Head .....367.24 Note: Includes branch pipe and fittings, supports and sprinkler heads. For Up To 5, Add 173.69 For >5 To 10, Add 103.70 For >10 To 20, Add 76.91 For >20 To 40, Add 31.76 For >100 To 150, Deduct -36.72 For >150, Deduct -73.45 For Copper Pipe, Add 41.69 For Polyvinyl Chloride (PVC) Pipe, Deduct -60.05		
21 13 16 00-0010 EA Concealed Piping, Extra Hazard, Dry-Pipe Sprinkler System, Per Head .....468.20 Note: Includes branch pipe and fittings, supports and sprinkler heads with flat or conical escutcheon. For Up To 5, Add 223.62 For >5 To 10, Add 137.68 For >10 To 20, Add 101.33 For >20 To 40, Add 41.58 For >100 To 150, Deduct -46.82 For >150, Deduct -93.64 For Copper Pipe, Add 52.06 For Polyvinyl Chloride (PVC) Pipe, Deduct -75.47		
21 13 16 00-0011 Dry-Pipe Sprinkler System Equipment (21 13 16 00-0001)		
21 13 16 00-0012 EA Dry System Air Compressor, 3/4 HP With Alarm Valve Flange With Gauge .....1,455.96		300.66
21 13 16 00-0013 EA Dry System Air Compressor, 1 HP With Alarm Valve Flange With Gauge .....1,506.99		300.66
21 13 16 00-0014 EA Dry System Air Compressor, 1-1/2 HP With Alarm Valve Flange With Gauge .....1,550.04		300.66
21 13 16 00-0015 EA Dry System Air Compressor, 2 HP With Alarm Valve Flange With Gauge .....1,717.47		300.66
21 13 16 00-0016 Dry-Pipe Sprinkler System Components (21 13 16)		
Note: Excludes hydraulic calculations.		
21 13 16 00-0017 Dry Pipe Alarm Valves (21 13 16 00-0016)		
21 13 16 00-0018 EA 2" Dry Pipe Alarm Valve .....1,619.48		772.19
21 13 16 00-0019 EA 3" Dry Pipe Alarm Valve .....2,181.14		1,054.09
21 13 16 00-0020 EA 4" Dry Pipe Alarm Valve .....3,809.12		1,475.73
21 13 16 00-0021 EA 6" Dry Pipe Alarm Valve .....4,729.88		1,743.63
21 13 16 00-0022 EA 8" Dry Pipe Alarm Valve .....5,743.87		1,918.00
21 13 16 00-0023 Recessed Pendent Dry Pipe Sprinkler Heads, Quick Response (21 13 16 00-0016)		
Note: (Reliable F3QR H9)		
21 13 16 00-0024 EA 3-1/2" To 5-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Recessed Pendent Dry Pipe Sprinkler Head .....138.01		34.11
21 13 16 00-0025 EA 6" To 8-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Recessed Pendent Dry Pipe Sprinkler Head .....142.38		34.11
21 13 16 00-0026 EA 9" To 11-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Recessed Pendent Dry Pipe Sprinkler Head .....146.75		34.11
21 13 16 00-0027 EA 12" To 14-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Recessed Pendent Dry Pipe Sprinkler Head .....151.13		34.11
21 13 16 00-0028 EA 15" To 17-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Recessed Pendent Dry Pipe Sprinkler Head .....155.49		34.11
21 13 16 00-0029 EA 18" To 20-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Recessed Pendent Dry Pipe Sprinkler Head .....159.86		34.11
21 13 16 00-0030 EA 21" To 23-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Recessed Pendent Dry Pipe Sprinkler Head .....164.23		34.11
21 13 16 00-0031 EA 24" To 26-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Recessed Pendent Dry Pipe Sprinkler Head .....168.61		34.11
21 13 16 00-0032 EA 27" To 29-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Recessed Pendent Dry Pipe Sprinkler Head .....172.97		34.11
21 13 16 00-0033 EA 30" To 32-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Recessed Pendent Dry Pipe Sprinkler Head .....177.34		34.11
21 13 16 00-0034 EA 33" To 35-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Recessed Pendent Dry Pipe Sprinkler Head .....181.72		34.11
21 13 16 00-0035 EA 36" To 38-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Recessed Pendent Dry Pipe Sprinkler Head .....186.09		34.11
21 13 16 00-0036 EA 39" To 41-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Recessed Pendent Dry Pipe Sprinkler Head .....190.47		34.11
21 13 16 00-0037 EA 42" To 44-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Recessed Pendent Dry Pipe Sprinkler Head .....194.83		34.11
21 13 16 00-0038 EA 45" To 48" Length, 1/2" Orifice, 1" NPT Thread Chrome Recessed Pendent Dry Pipe Sprinkler Head .....199.20		34.11
21 13 16 00-0039 Sidewall Dry Pipe Sprinkler Heads, Quick Response (21 13 16 00-0016)		
Note: (Reliable F3QR H4)		
21 13 16 00-0040 EA 3-1/2" To 5-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Sidewall Dry Pipe Sprinkler Head .....136.96		34.11
21 13 16 00-0041 EA 6" To 8-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Sidewall Dry Pipe Sprinkler Head .....141.33		34.11
21 13 16 00-0042 EA 9" To 11-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Sidewall Dry Pipe Sprinkler Head .....145.71		34.11
21 13 16 00-0043 EA 12" To 14-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Sidewall Dry Pipe Sprinkler Head .....150.07		34.11
21 13 16 00-0044 EA 15" To 17-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Sidewall Dry Pipe Sprinkler Head .....154.45		34.11
21 13 16 00-0045 EA 18" To 20-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Sidewall Dry Pipe Sprinkler Head .....158.81		34.11
21 13 16 00-0046 EA 21" To 23-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Sidewall Dry Pipe Sprinkler Head .....163.19		34.11
21 13 16 00-0047 EA 24" To 26-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Sidewall Dry Pipe Sprinkler Head .....167.56		34.11
21 13 16 00-0048 EA 27" To 29-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Sidewall Dry Pipe Sprinkler Head .....171.92		34.11

21	21 Fire Suppression
	21 10 Water-Based Fire-Suppression Systems
	21 13 Fire-Suppression Sprinkler Systems



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 16 00-0049 EA 30" To 32-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Sidewall Dry Pipe Sprinkler Head.....	176.29	34.11
21 13 16 00-0050 EA 33" To 35-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Sidewall Dry Pipe Sprinkler Head.....	180.67	34.11
21 13 16 00-0051 EA 36" To 38-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Sidewall Dry Pipe Sprinkler Head.....	185.04	34.11
21 13 16 00-0052 EA 39" To 41-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Sidewall Dry Pipe Sprinkler Head.....	198.15	34.11
21 13 16 00-0053 EA 42" To 44-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Sidewall Dry Pipe Sprinkler Head.....	202.53	34.11
21 13 16 00-0054 EA 45" To 48" Length, 1/2" Orifice, 1" NPT Thread Chrome Sidewall Dry Pipe Sprinkler Head.....	204.27	34.11
 21 13 19 Preaction Sprinkler Systems (21 13)		
21 13 19 00-0001 Complete Preaction Sprinkler Systems (21 13 19)		
Note: Includes complete design per NFPA 13 and stamped shop drawings approved by a registered engineer. Includes all branch line piping (standard weight black steel, less than 2-1/2" diameter pipe, fittings, branch valves, hangers, sprinkler heads, etc. From riser pipe and mains. Excludes outside mains, inside vertical or horizontal pipe mains, greater than 2" diameter. The coverage of one sprinkler head varies from about 180 SF for light hazard occupancy, about 155 SF for ordinary, 90 to about 130 SF for extra hazard conditions. Excludes special alarm valves, gate valves, check valves, flow control devices, water motor gong assembly, Siamese connections, standpipes and fittings, pipe mains and fittings, fire pumps and tanks.		
21 13 19 00-0002 Ordinary Hazard, Preaction Sprinkler Systems (21 13 19 00-0001)		
21 13 19 00-0003 EA Exposed Piping, Ordinary Hazard, Preaction Sprinkler System, Per Head.....	377.72	
Note: Includes branch pipe and fittings, supports and sprinkler heads.		
For Up To 5, Add	179.84	
For >5 To 10, Add	118.67	
For >10 To 20, Add	80.90	
For >20 To 40, Add	33.26	
For >100 To 150, Deduct	-37.77	
For >150, Deduct	-75.54	
 21 13 19 00-0004 Extra Hazard, Preaction Sprinkler Systems (21 13 19 00-0001)		
21 13 19 00-0005 EA Exposed Piping, Extra Hazard, Preaction Sprinkler System, Per Head.....	351.79	
Note: Includes branch pipe and fittings, supports and sprinkler heads.		
For Up To 5, Add	167.51	
For >5 To 10, Add	110.55	
For >10 To 20, Add	75.37	
For >20 To 40, Add	30.99	
For >100 To 150, Deduct	-35.18	
For >150, Deduct	-70.36	
 21 13 26 Deluge Fire-Suppression Sprinkler Systems (21 13)		
21 13 26 00-0001 Deluge Fire-Suppression Sprinkler Systems Equipment (21 13 26)		
See CSI section 23 21 13 23-0000 for pipe and fittings.		
21 13 26 00-0002 Deluge Fire-Suppression Sprinkler System Nozzles (21 13 26 00-0001)		
21 13 26 00-0003 EA 3/8" Auto Deluge Sprinkler Nozzle.....	95.49	44.48
21 13 26 00-0004 EA 1/2" Pendant Deluge Spring Nozzle With Open Head	95.49	44.48
21 13 26 00-0005 EA 1/2" Pendant Deluge Spring Nozzle Open Head With Canopy.....	95.49	44.48
 21 13 26 00-0006 Deluge Valves With Required Trim And Release Equipment (21 13 26 00-0001)		
21 13 26 00-0007 EA 3" Deluge Valve With Trim And Release Equipment	4,277.83	576.08
21 13 26 00-0008 EA 4" Deluge Valve With Trim And Release Equipment	4,894.63	648.03
21 13 26 00-0009 EA 6" Deluge Valve With Trim And Release Equipment	6,186.62	942.60
 21 13 39 Foam-Water Systems (21 13)		
21 13 39 00-0001 Foam Control Valves And Monitors (21 13 39)		
21 13 39 00-0002 Control Valves (21 13 39 00-0001)		
21 13 39 00-0003 EA 3" Foam Control Valve.....	2,286.19	576.08
 21 13 39 00-0004 Supply Valves (21 13 39 00-0001)		
21 13 39 00-0005 EA 2-1/2" Foam Supply Valve	2,178.17	648.03
 21 13 39 00-0006 Proportioners (21 13 39 00-0001)		
21 13 39 00-0007 EA 8" Foam Proportioner.....	2,167.19	942.60
 21 13 39 00-0008 Monitors (21 13 39 00-0001)		
21 13 39 00-0009 EA Oscillating Foam Monitor	1,948.37	129.61
 21 13 41 Fire-Suppression Sprinkler Piping (21 13)		
See CSI section 23 21 13 23-0000 for black steel piping.		
21 13 41 00-0001 Chlorinated Polyvinyl Chloride (CPVC) Fire Sprinkler Pipe (21 13 41)		
Note: SDR 13.5		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 41 00-0002 Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Fire Sprinkler Pipe <small>(21 13 41 00-0001)</small>		
21 13 41 00-0003 LF 3/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Fire Sprinkler Pipe	4.89	1.66
21 13 41 00-0004 LF 1" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Fire Sprinkler Pipe	5.60	1.76
21 13 41 00-0005 LF 1-1/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Fire Sprinkler Pipe	6.69	1.97
21 13 41 00-0006 LF 1-1/2" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Fire Sprinkler Pipe	7.89	2.18
21 13 41 00-0007 LF 2" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Fire Sprinkler Pipe	9.68	2.38
21 13 41 00-0008 LF 2-1/2" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Fire Sprinkler Pipe	12.55	2.70
21 13 41 00-0009 LF 3" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Fire Sprinkler Pipe	16.80	3.22
21 13 41 00-0010 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbows, Fire Sprinkler Piping <small>(21 13 41 00-0001)</small>		
21 13 41 00-0011 EA 3/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow, Fire Sprinkler Piping	25.87	9.96
21 13 41 00-0012 EA 1" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow, Fire Sprinkler Piping	33.32	12.44
21 13 41 00-0013 EA 1-1/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow, Fire Sprinkler Piping	41.67	15.56
21 13 41 00-0014 EA 1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow, Fire Sprinkler Piping	46.92	17.22
21 13 41 00-0015 EA 2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow, Fire Sprinkler Piping	52.84	19.29
21 13 41 00-0016 EA 2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow, Fire Sprinkler Piping	63.83	21.88
21 13 41 00-0017 EA 3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow, Fire Sprinkler Piping	77.06	25.93
21 13 41 00-0018 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbows, Fire Sprinkler Piping <small>(21 13 41 00-0001)</small>		
21 13 41 00-0019 EA 3/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow, Fire Sprinkler Piping	26.21	9.96
21 13 41 00-0020 EA 1" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow, Fire Sprinkler Piping	32.77	12.44
21 13 41 00-0021 EA 1-1/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow, Fire Sprinkler Piping	41.26	15.56
21 13 41 00-0022 EA 1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow, Fire Sprinkler Piping	46.26	17.22
21 13 41 00-0023 EA 2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow, Fire Sprinkler Piping	52.01	19.29
21 13 41 00-0024 EA 2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow, Fire Sprinkler Piping	61.74	21.88
21 13 41 00-0025 EA 3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow, Fire Sprinkler Piping	74.76	25.93
21 13 41 00-0026 Chlorinated Polyvinyl Chloride (CPVC) Tees, Fire Sprinkler Piping <small>(21 13 41 00-0001)</small>		
21 13 41 00-0027 EA 3/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Tee, Fire Sprinkler Piping	38.65	14.93
21 13 41 00-0028 EA 1" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Tee, Fire Sprinkler Piping	49.47	18.77
21 13 41 00-0029 EA 1-1/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Tee, Fire Sprinkler Piping	62.41	23.43
21 13 41 00-0030 EA 1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee, Fire Sprinkler Piping	70.48	25.93
21 13 41 00-0031 EA 2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee, Fire Sprinkler Piping	80.72	28.82
21 13 41 00-0032 EA 2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee, Fire Sprinkler Piping	96.03	32.86
21 13 41 00-0033 EA 3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee, Fire Sprinkler Piping	113.47	38.78
21 13 41 00-0034 Chlorinated Polyvinyl Chloride (CPVC) Reducing Tees, Fire Sprinkler Piping <small>(21 13 41 00-0001)</small>		
21 13 41 00-0035 EA 1" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Reducing Tee, Fire Sprinkler Piping	45.87	17.52
21 13 41 00-0036 EA 1-1/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Reducing Tee, Fire Sprinkler Piping	58.61	21.88
21 13 41 00-0037 EA 1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Tee, Fire Sprinkler Piping	65.29	24.16
21 13 41 00-0038 EA 2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Tee, Fire Sprinkler Piping	75.27	26.96
21 13 41 00-0039 EA 2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Tee, Fire Sprinkler Piping	87.44	30.69
21 13 41 00-0040 EA 3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Tee, Fire Sprinkler Piping	103.11	36.18
21 13 41 00-0041 Chlorinated Polyvinyl Chloride (CPVC) Crosses, Fire Sprinkler Piping <small>(21 13 41 00-0001)</small>		
21 13 41 00-0042 EA 3/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Cross, Fire Sprinkler Piping	51.86	19.91
21 13 41 00-0043 EA 1" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Cross, Fire Sprinkler Piping	65.03	24.99
21 13 41 00-0044 EA 1-1/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Cross, Fire Sprinkler Piping	81.59	31.20
21 13 41 00-0045 EA 1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross, Fire Sprinkler Piping	91.20	34.52
21 13 41 00-0046 EA 2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross, Fire Sprinkler Piping	104.36	38.47
21 13 41 00-0047 EA 2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross, Fire Sprinkler Piping	127.23	43.75
21 13 41 00-0048 Chlorinated Polyvinyl Chloride (CPVC) Couplings, Fire Sprinkler Piping <small>(21 13 41 00-0001)</small>		
21 13 41 00-0049 EA 3/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Coupling, Fire Sprinkler Piping	17.53	6.64
21 13 41 00-0050 EA 1" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Coupling, Fire Sprinkler Piping	23.51	8.92
21 13 41 00-0051 EA 1-1/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Coupling, Fire Sprinkler Piping	31.02	11.72
21 13 41 00-0052 EA 1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Coupling, Fire Sprinkler Piping	34.89	12.96
21 13 41 00-0053 EA 2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Coupling, Fire Sprinkler Piping	39.52	14.41
21 13 41 00-0054 EA 2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Coupling, Fire Sprinkler Piping	46.32	16.38
21 13 41 00-0055 EA 3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Coupling, Fire Sprinkler Piping	55.38	19.39
21 13 41 00-0056 Chlorinated Polyvinyl Chloride (CPVC) Caps, Fire Sprinkler Piping <small>(21 13 41 00-0001)</small>		
21 13 41 00-0057 EA 3/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Cap, Fire Sprinkler Piping	8.86	3.32
21 13 41 00-0058 EA 1" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Cap, Fire Sprinkler Piping	14.17	5.39
21 13 41 00-0059 EA 1-1/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Cap, Fire Sprinkler Piping	15.91	5.80
21 13 41 00-0060 EA 1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap, Fire Sprinkler Piping	17.95	6.43
21 13 41 00-0061 EA 2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap, Fire Sprinkler Piping	20.72	7.26

21	21	Fire Suppression
	21 10	Water-Based Fire-Suppression Systems
	21 13	Fire-Suppression Sprinkler Systems



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 41 00-0062 EA 2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap, Fire Sprinkler Piping.....	24.40	8.20
21 13 41 00-0063 EA 3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap, Fire Sprinkler Piping.....	30.54	9.74
21 13 41 00-0064 Chlorinated Polyvinyl Chloride (CPVC) Reducer Bushing, Fire Sprinkler Piping <small>(21 13 41 00-0001)</small>		
21 13 41 00-0065 EA 1" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Reducing Bushing, Fire Sprinkler Piping.....	25.31	9.85
21 13 41 00-0066 EA 1-1/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Reducing Bushing, Fire Sprinkler Piping	33.32	12.85
21 13 41 00-0067 EA 1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Bushing, Fire Sprinkler Piping	36.85	14.21
21 13 41 00-0068 EA 2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Bushing, Fire Sprinkler Piping.....	41.59	15.87
21 13 41 00-0069 EA 2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Bushing, Fire Sprinkler Piping	48.43	18.04
21 13 41 00-0070 EA 3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Bushing, Fire Sprinkler Piping.....	58.27	21.36
21 13 41 00-0071 Chlorinated Polyvinyl Chloride (CPVC) Spigot Style Reducing Adapter, Male Slip x Female Pipe Thread, Fire Sprinkler Piping <small>(21 13 41 00-0001)</small>		
21 13 41 00-0072 EA 3/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Spigot Style Reducing Adapter, Male Slip X Female Pipe Thread, Fire Sprinkler Piping.....	20.68	7.26
21 13 41 00-0073 EA 1" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Spigot Style Reducing Adapter, Male Slip X Female Pipe Thread, Fire Sprinkler Piping.....	27.16	9.85
21 13 41 00-0074 Chlorinated Polyvinyl Chloride (CPVC) Reducing Adapter, Female Slip x Female Pipe Thread, Fire Sprinkler Piping <small>(21 13 41 00-0001)</small>		
21 13 41 00-0075 EA 3/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Reducing Adapter, Female Slip x Female Pipe Thread, Fire Sprinkler Piping	20.68	7.26
21 13 41 00-0076 EA 1" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Reducing Adapter, Female Slip x Female Pipe Thread, Fire Sprinkler Piping	27.16	9.85
21 13 41 00-0077 Chlorinated Polyvinyl Chloride (CPVC) Reducing 90 Degree Elbow Adapter, Female Slip x Female Pipe Thread, Fire Sprinkler Piping <small>(21 13 41 00-0001)</small>		
21 13 41 00-0078 EA 3/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Reducing 90 Degree Elbow Adapter With 1/2" FPT, Female Slip x Female Pipe Thread, Fire Sprinkler Piping	24.67	8.92
21 13 41 00-0079 EA 1" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Reducing 90 Degree Elbow Adapter With 1/2" FPT, Female Slip x Female Pipe Thread, Fire Sprinkler Piping	31.27	11.20
21 13 41 00-0080 EA 1" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Reducing 90 Degree Elbow Adapter With 3/4" FPT, Female Slip x Female Pipe Thread, Fire Sprinkler Piping	31.97	11.20
21 13 41 00-0081 Chlorinated Polyvinyl Chloride (CPVC) Straight Tee Adapter, Female Slip x Female Pipe Thread, Fire Sprinkler Piping <small>(21 13 41 00-0001)</small>		
21 13 41 00-0082 EA 3/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Straight Tee Adapter With 1/2" FPT, Female Slip x Female Pipe Thread, Fire Sprinkler Piping.....	40.77	14.93
21 13 41 00-0083 EA 1" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Straight Tee Adapter With 1/2" FPT, Female Slip x Female Pipe Thread, Fire Sprinkler Piping.....	50.58	18.77
21 13 41 00-0084 EA 1-1/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Straight Tee Adapter With 1/2" FPT, Female Slip x Female Pipe Thread, Fire Sprinkler Piping.....	64.67	23.43
21 13 41 00-0085 EA 1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Straight Tee Adapter With 1/2" FPT, Female Slip x Female Pipe Thread, Fire Sprinkler Piping.....	72.88	25.93
21 13 41 00-0086 EA 2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Straight Tee Adapter With 1/2" FPT, Female Slip x Female Pipe Thread, Fire Sprinkler Piping.....	83.64	28.82

21 20 Fire-Extinguishing Systems (21)

21 21 Carbon-Dioxide Fire-Extinguishing Systems (21 20)

21 21 16 Carbon-Dioxide Fire-Extinguishing Equipment (21 21)

21 21 16 00-0001 Carbon Dioxide Cylinders (21 21 16)

21 21 16 00-0002 EA Carbon Dioxide Simplex Cylinder, 75 LB.....	1,087.23	225.64
21 21 16 00-0003 EA Carbon Dioxide Duplex Cylinder, 75 LB (Each).....	2,174.46	451.28
21 21 16 00-0004 EA Carbon Dioxide Cylinder, Heat/Ion Detector, With Bracket.....	222.22	110.13
21 21 16 00-0005 EA Carbon Dioxide Cylinder, Dispersion Nozzle	93.97	41.24
21 21 16 00-0006 LF Carbon Dioxide Cylinder, 1/2" Rubber Tubing.....	29.71	16.72

21 22 Clean-Agent Fire-Extinguishing Systems (21 20)

21 22 16 Clean-Agent Fire-Extinguishing Equipment (21 22)

21 22 16 00-0001 Ansul Fire Control Systems (21 22 16)

21 22 16 00-0002 Sapphire® Fire Suppression Systems (21 22 16 00-0001)

Note: ANSUL® SAPPHERE® fire suppression systems use 3M™ Novec™ 1230 fire protection fluid for total flooding applications.

21 22 16 00-0003 Cylinders, Sapphire® Fire Suppression Systems (21 22 16 00-0002)

21 22 16 00-0004 EA 20 LB, Empty Tank And Valve Assembly, Sapphire® Fire Suppression Systems (Ansul 570635).....	1,231.32	76.93
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Note: 10 to 21 LB tank capacity. Excludes Sapphire agent.



Fire Suppression	21	12
Fire-Extinguishing Systems	21 20	
Clean-Agent Fire-Extinguishing Systems	21 22	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 22 16 00-0005 EA 40 LB, Empty Tank And Valve Assembly, Sapphire® Fire Suppression Systems (Ansul 570636).....	1,399.30	76.93
Note: 20 to 46 LB tank capacity. Excludes Sapphire agent.		
21 22 16 00-0006 EA 80 LB, Empty Tank And Valve Assembly, Sapphire® Fire Suppression Systems (Ansul 570637).....	1,421.39	76.93
Note: 41 to 80 LB tank capacity. Excludes Sapphire agent.		
21 22 16 00-0007 EA 140 LB, Empty Tank And Valve Assembly, Sapphire® Fire Suppression Systems (Ansul 570638).....	2,014.77	102.56
Note: 58 to 138 LB tank capacity. Excludes Sapphire agent.		
21 22 16 00-0008 EA 280 LB, Empty Tank And Valve Assembly, Sapphire® Fire Suppression Systems (Ansul 570639).....	2,125.82	102.56
Note: 116 to 280 LB tank capacity. Excludes Sapphire agent.		
21 22 16 00-0009 EA 390 LB, Empty Tank And Valve Assembly, Sapphire® Fire Suppression Systems (Ansul 570640).....	2,280.28	128.21
Note: 161 to 388 LB tank capacity. Excludes Sapphire agent.		
21 22 16 00-0010 EA 450 LB, Empty Tank And Valve Assembly, Sapphire® Fire Suppression Systems (Ansul 570641).....	2,415.68	128.21
Note: 194 to 459 LB tank capacity. Excludes Sapphire agent.		
21 22 16 00-0011 EA 850 LB, Empty Tank And Valve Assembly, Sapphire® Fire Suppression Systems (Ansul 570586).....	3,626.83	153.84
Note: 375 to 851 LB tank capacity. Excludes Sapphire agent.		
21 22 16 00-0012 LB Sapphire Agent, Fire Protection Fluid, Factory Filled (Novac 1230)	30.00	153.84
Note: Add to empty tank cost.		
21 22 16 00-0013 Nozzles, Sapphire® Fire Suppression Systems (21 22 16 00-0002)		
21 22 16 00-0014 EA 1/2" Drilled Brass Nozzle, 180 Degree, Sapphire® Fire Suppression System (Ansul 570515)	120.22	12.82
21 22 16 00-0015 EA 3/4" Drilled Brass Nozzle, 180 Degree, Sapphire® Fire Suppression System (Ansul 570516)	123.08	12.82
21 22 16 00-0016 EA 1" Drilled Brass Nozzle, 180 Degree, Sapphire® Fire Suppression System (Ansul 570517)	130.25	12.82
21 22 16 00-0017 EA 1-1/4" Drilled Brass Nozzle, 180 Degree, Sapphire® Fire Suppression System (Ansul 570518)	135.27	12.82
21 22 16 00-0018 EA 1-1/2" Drilled Brass Nozzle, 180 Degree, Sapphire® Fire Suppression System (Ansul 570519)	142.43	12.82
21 22 16 00-0019 EA 2" Drilled Brass Nozzle, 180 Degree, Sapphire® Fire Suppression System (Ansul 570520)	163.91	12.82
21 22 16 00-0020 EA 1/2" Drilled Brass Nozzle, 360 Degree, Sapphire® Fire Suppression System (Ansul 570602)	120.22	12.82
21 22 16 00-0021 EA 3/4" Drilled Brass Nozzle, 360 Degree, Sapphire® Fire Suppression System (Ansul 570603)	123.08	12.82
21 22 16 00-0022 EA 1" Drilled Brass Nozzle, 360 Degree, Sapphire® Fire Suppression System (Ansul 570604)	130.25	12.82
21 22 16 00-0023 EA 1-1/4" Drilled Brass Nozzle, 360 Degree, Sapphire® Fire Suppression System (Ansul 570605)	135.27	12.82
21 22 16 00-0024 EA 1-1/2" Drilled Brass Nozzle, 360 Degree, Sapphire® Fire Suppression System (Ansul 570606)	142.43	12.82
21 22 16 00-0025 EA 2" Drilled Brass Nozzle, 360 Degree, Sapphire® Fire Suppression System (Ansul 570607)	163.91	12.82
21 22 16 00-0026 Actuation Attachments, Sapphire® Fire Suppression System (21 22 16 00-0002)		
21 22 16 00-0027 EA 7/16-20 To 1/4" NPT, Male Actuation Elbow, Sapphire® Fire Suppression System (Ansul 31810).....	12.11	3.85
21 22 16 00-0028 EA 7/16-20 To 1/4" NPT, Male Actuation Tee, Sapphire® Fire Suppression System (Ansul 31811)	13.34	3.85
21 22 16 00-0029 EA 1/4" NPT To 7/16-20, Male Actuation Connector, Sapphire® Fire Suppression System (Ansul 32338).....	19.95	8.98
21 22 16 00-0030 EA 16" Actuation Hose, Sapphire® Fire Suppression System (Ansul 73597).....	42.43	11.49
21 22 16 00-0031 EA 32" Actuation Hose, Sapphire® Fire Suppression System (Ansul 415142).....	60.22	11.49
21 22 16 00-0032 EA 42" Actuation Hose, Sapphire® Fire Suppression System (Ansul 430815)	71.56	11.49
21 22 16 00-0033 EA 24", Stainless Steel, Swivel, Braided Actuation Hose, Sapphire® Fire Suppression System (Ansul 32336).....	38.34	11.49
21 22 16 00-0034 EA Pneumatic Actuator Shipping Assembly, Sapphire® Fire Suppression System (Ansul 570537)	277.48	102.56
21 22 16 00-0035 EA Local Manual Actuator, Sapphire® Fire Suppression System (Ansul 570549).....	257.00	76.93
21 22 16 00-0036 EA Electric Actuator Shipping Assembly, Sapphire® Fire Suppression System (Ansul 570537)	543.99	102.56
21 22 16 00-0037 Nameplates, Sapphire® Fire Suppression Systems (21 22 16 00-0002)		
21 22 16 00-0038 EA Warning Plate For Use Outside Room, Sapphire® Fire Suppression Systems (Ansul 570580).....	42.84	12.82
21 22 16 00-0039 EA Warning Plate for Use Inside Room, Sapphire® Fire Suppression Systems (Ansul 570581).....	46.08	12.82
21 22 16 00-0040 Cylinder Bracketing, Sapphire® Fire Suppression Systems (21 22 16 00-0002)		
21 22 16 00-0041 EA Tank Bracket Assembly For 20 LB, 40 LB, 50 LB, 80 LB And 90 LB Tanks, Sapphire® Fire Suppression Systems (Ansul 570085)	131.38	38.46
21 22 16 00-0042 EA Tank Bracket Assembly For 140 LB, 280 LB, 390 LB And 450 LB Tanks, Sapphire® Fire Suppression Systems (Ansul 570085)	137.83	38.46
21 22 16 00-0043 EA Tank Bracket Assembly For 850 LB Tanks, Sapphire® Fire Suppression Systems (Ansul 570336).....	146.07	38.46
21 22 16 00-0044 Check Valves, Sapphire® Fire Suppression Systems (21 22 16 00-0002)		
21 22 16 00-0045 EA 1" Manifold Check Valve, Sapphire® Fire Suppression Systems (Ansul 570566).....	318.00	40.82
21 22 16 00-0046 EA 2" Manifold Check Valve, Sapphire® Fire Suppression Systems (Ansul 570568).....	450.83	70.05
21 22 16 00-0047 Discharge Hose, Sapphire® Fire Suppression Systems (21 22 16 00-0002)		
21 22 16 00-0048 EA 1" Flexible Discharge Hose, Sapphire® Fire Suppression Systems (Ansul 570539).....	107.88	25.65
21 22 16 00-0049 EA 2" Flexible Discharge Hose, Sapphire® Fire Suppression Systems (Ansul 570538).....	371.52	25.65
21 22 16 00-0050 EA 3" Flexible Discharge Hose, Sapphire® Fire Suppression Systems (Ansul 69990).....	314.92	25.65
21 22 16 00-0051 EA 3" Discharge Hose And Check Valve Assembly, Sapphire® Fire Suppression Systems (Ansul 69841)	1,371.44	102.56
21 22 16 00-0052 Swivel Adaptors, Sapphire® Fire Suppression Systems (21 22 16 00-0002)		
21 22 16 00-0053 EA 1" Single-Tank Swivel Adaptor, Sapphire® Fire Suppression Systems (Ansul 570557).....	40.41	17.94
21 22 16 00-0054 EA 2" Single-Tank Swivel Adaptor, Sapphire® Fire Suppression Systems (Ansul 570558).....	67.20	17.94
21 22 16 00-0055 EA 3" Flare To 3" Grooved, Single-Tank Swivel Adaptor, Sapphire® Fire Suppression Systems (Ansul 69471)	176.10	12.82
21 22 16 00-0056 EA 3" Flare To 3" NPT, Single-Tank Swivel Adaptor, Sapphire® Fire Suppression Systems (Ansul 69470).....	229.45	12.82
21 22 16 00-0057 Pressure Switches, Sapphire® Fire Suppression Systems (21 22 16 00-0002)		
21 22 16 00-0058 EA Cylinder Low Pressure Switch, Sapphire® Fire Suppression Systems (Ansul 570585)	150.20	51.28

21	Fire Suppression
21 20	Fire-Extinguishing Systems
21 22	Clean-Agent Fire-Extinguishing Systems



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 22 16 00-0059 EA Pressure Trip, Sapphire® Fire Suppression Systems (Ansul 5156)	136.93	21.53
21 22 16 00-0060 EA Weather Proof, DPST Pressure Switch, Sapphire® Fire Suppression Systems (Ansul 46250).....	432.38	89.74
21 22 16 00-0061 Level Indicators, Sapphire® Fire Suppression Systems (21 22 16 00-0062)		
21 22 16 00-0062 EA Liquid Level Indicator For 280 LB Tanks, Sapphire® Fire Suppression Systems (Ansul 570277).....	464.31	17.94
21 22 16 00-0063 EA Liquid Level Indicator For 390 LB And 850 LB Tanks, Sapphire® Fire Suppression Systems (Ansul 570278)	485.81	17.94
21 22 16 00-0064 EA Liquid Level Indicator For 450 LB Tanks, Sapphire® Fire Suppression Systems (Ansul 570589).....	523.39	25.65
21 22 16 00-0065 Inspection/Maintenance Devices, Sapphire® Fire Suppression Systems (21 22 16 00-0062)		
21 22 16 00-0066 EA Master Tank Pilot Port Male Adaptor, Sapphire® Fire Suppression Systems (Ansul 570342)	42.23	15.38
21 22 16 00-0067 EA Cylinder Valve Pressure Gauge, Sapphire® Fire Suppression Systems (Ansul 570642).....	52.30	17.94
21 22 16 00-0068 EA Recharge Top Adaptor Assembly, Sapphire® Fire Suppression Systems (Ansul 570579)	182.64	76.93
21 22 16 00-0069 EA 1" Recharge Fill Adaptor Assembly, Sapphire® Fire Suppression Systems (Ansul 570576).....	207.21	76.93
21 22 16 00-0070 EA 2" Recharge Fill Adaptor Assembly, Sapphire® Fire Suppression Systems (Ansul 570592).....	227.63	76.93
21 22 16 00-0071 EA 3" Recharge Fill Adaptor Assembly, Sapphire® Fire Suppression Systems (Ansul 69891).....	293.54	76.93
21 22 16 00-0072 Replacement Parts, Sapphire® Fire Suppression Systems (21 22 16 00-0002)		
21 22 16 00-0073 EA O-Ring Kit, Sapphire® Fire Suppression Systems (Ansul 570559)	51.34	20.51
21 22 16 00-0074 EA Recoil Cap, Sapphire® Fire Suppression Systems (Ansul 570553)	74.72	12.82
21 22 16 00-0075 EA Burst Disc Assembly, Sapphire® Fire Suppression Systems (Ansul 570053)	104.66	25.65
21 22 16 00-0076 EA Bonnet Assembly, Sapphire® Fire Suppression Systems (Ansul 570543)	292.53	102.56
21 22 16 00-0077 EA Piston Assembly, Sapphire® Fire Suppression Systems (Ansul 570551)	417.89	102.56
21 22 16 00-0078 EA 1" Valve Assembly, Sapphire® Fire Suppression Systems (Ansul 570535)	1,296.92	102.56
21 22 16 00-0079 Inergen® Fire Suppression System (21 22 16 00-0001)		
21 22 16 00-0080 Actuation Attachments, Inergen® Fire Suppression System (21 22 16 00-0079)		
21 22 16 00-0081 EA Flexible Discharge Bend For CV90 And CV98 (200 Bar), Inergen® Fire Suppression System (Ansul 427082).....	146.12	25.41
21 22 16 00-0082 EA Metron Protractor Replacement Cartridges, Inergen® Fire Suppression System (Ansul 423958).....	168.95	27.31
21 22 16 00-0083 EA Electric Actuator, Lever, CV98, Inergen® Fire Suppression System (Ansul 423309).....	302.37	49.44
21 22 16 00-0084 EA Electric Actuator For CV90 Valve, Inergen® Fire Suppression System (Ansul 426876).....	614.27	112.58
21 22 16 00-0085 Check Valves, Inergen® Fire Suppression System (21 22 16 00-0079)		
21 22 16 00-0086 EA 2" Bronze Check Valve, Weld Neck Flange, Inergen® Fire Suppression System (Ansul 840794).....	1,447.51	178.12
21 22 16 00-0087 Components, Inergen® Fire Suppression System (21 22 16 00-0079)		
21 22 16 00-0088 EA 1/2" Manifold Relief Valve, Inergen® Fire Suppression System (Ansul 418378).....	43.52	7.79
21 22 16 00-0089 EA Pressure Operated Siren, Inergen® Fire Suppression System (Ansul 419700)	508.01	83.48
21 22 16 00-0090 EA 30 Second Pneumatic Time Delay, Inergen® Fire Suppression System (Ansul 54169).....	1,582.04	261.22
21 22 16 00-0091 EA 60 Second Time Delay, Inergen® Fire Suppression System (Ansul 426170).....	1,515.88	266.13
21 22 16 00-0092 Cylinders, Inergen® Fire Suppression System (21 22 16 00-0079)		
Note: Includes CV98 valve. Factory filled with Inergen agent.		
21 22 16 00-0093 EA 200 CF Cylinder, Standard Paint, Inergen® Fire Suppression System (Ansul 426147)	1,329.23	239.08
21 22 16 00-0094 EA 250 CF Cylinder, Standard Paint, Inergen® Fire Suppression System (Ansul 426148)	1,507.77	270.86
21 22 16 00-0095 EA 350 CF Cylinder, Standard Paint, Inergen® Fire Suppression System (Ansul 426620)	2,140.24	351.01
21 22 16 00-0096 EA 435 CF Cylinder, Standard Paint, Inergen® Fire Suppression System (Ansul 426150)	2,159.38	428.91
21 22 16 00-0097 EA 250 CF Cylinder, Corrosion Resistant Paint, Inergen® Fire Suppression System (Ansul 426257).....	1,569.82	302.01
21 22 16 00-0098 EA 350 CF Cylinder, Corrosion Resistant Paint, Inergen® Fire Suppression System (Ansul 426621).....	2,202.74	382.27
21 22 16 00-0099 EA 435 CF Cylinder, Corrosion Resistant Paint, Inergen® Fire Suppression System (Ansul 426259).....	2,304.91	460.91
21 22 16 00-0100 Inspection/Maintenance Devices, Inergen® Fire Suppression System (21 22 16 00-0079)		
21 22 16 00-0101 EA CV90 Fill Adaptor To CV98 Valve, Conversion Adapter, Inergen® Fire Suppression System (Ansul 423657)	50.06	8.69
21 22 16 00-0102 EA CV98 To CV90 Conversion Adapter, Cylinder Test Gauge, Inergen® Fire Suppression System (Ansul 426181).....	50.06	8.69
21 22 16 00-0103 EA CV90 Pressure Test Assembly Venting Kit, Inergen® Fire Suppression System (Ansul 426954).....	59.98	9.66
21 22 16 00-0104 EA Pressure Test Gauge, Inergen® Fire Suppression System (Ansul 423923).....	953.91	165.89
21 22 16 00-0105 Multiple Cylinder Bracketing, Inergen® Fire Suppression System (21 22 16 00-0079)		
21 22 16 00-0106 EA 13" Carriage Bolt With Nut, Multiple Cylinder Bracketing, Inergen® Fire Suppression System (Ansul 418502).....	15.94	2.54
Note: For single row 435 cubic foot cylinders.		
21 22 16 00-0107 EA 27" Carriage Bolt With Nut, Multiple Cylinder Bracketing, Inergen® Fire Suppression System (Ansul 418503).....	22.64	3.63
Note: For double row 435 cubic foot cylinders.		
21 22 16 00-0108 Nameplates, Inergen® Fire Suppression System (21 22 16 00-0079)		
21 22 16 00-0109 EA Warning Plate, Nameplate, Inside Room With Alarm, Inergen® Fire Suppression System (Ansul 416265).....	17.59	2.84
21 22 16 00-0110 EA Warning Plate, Nameplate, Outside Room Without Alarm, Inergen® Fire Suppression System (Ansul 416266).....	16.36	2.84



Fire Suppression	21	
Fire-Extinguishing Systems	21 20	12
Clean-Agent Fire-Extinguishing Systems	21 22	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 22 16 00-0111 Nozzle Deflector Shields, Inergen® Fire Suppression System <small>(21 22 16 00-0079)</small>		
21 22 16 00-0112 EA 1/2" Nozzle Deflector Shield, Inergen® Fire Suppression System (Ansul 417708)	71.06	12.24
21 22 16 00-0113 EA 3/4" Nozzle Deflector Shield, Inergen® Fire Suppression System (Ansul 417711)	74.60	12.82
21 22 16 00-0114 EA 1" Nozzle Deflector Shield, Inergen® Fire Suppression System (Ansul 417714)	86.58	14.81
21 22 16 00-0115 EA 1-1/4" Nozzle Deflector Shield, Inergen® Fire Suppression System (Ansul 417717)	96.64	16.72
21 22 16 00-0116 EA 1-1/2" Nozzle Deflector Shield, Inergen® Fire Suppression System (Ansul 417720)	110.84	19.23
21 22 16 00-0117 Nozzles, Inergen® Fire Suppression System <small>(21 22 16 00-0079)</small>		
21 22 16 00-0118 EA 1/4" NPT Nozzle, 360 Degree, Inergen® Fire Suppression System (Ansul 417908)	108.95	18.95
21 22 16 00-0119 EA 3/8" NPT Nozzle, 360 Degree, Inergen® Fire Suppression System (Ansul 417723)	112.97	19.50
21 22 16 00-0120 EA 1/2" NPT Nozzle, 360 Degree, Inergen® Fire Suppression System (Ansul 417362)	104.21	18.05
21 22 16 00-0121 EA 3/4" NPT Nozzle, 360 Degree, Inergen® Fire Suppression System (Ansul 417363)	107.24	19.50
21 22 16 00-0122 EA 1" NPT Nozzle, 360 Degree, Inergen® Fire Suppression System (Ansul 417364)	123.87	21.46
21 22 16 00-0123 EA 1-1/4" NPT Nozzle, 360 Degree, Inergen® Fire Suppression System (Ansul 417365)	132.40	22.85
21 22 16 00-0124 EA 1-1/2" NPT Nozzle, 360 Degree, Inergen® Fire Suppression System (Ansul 417366)	142.59	24.52
21 22 16 00-0125 EA 2" NPT Nozzle, Inergen® Fire Suppression System (Ansul 426155)	245.60	42.91
21 22 16 00-0126 EA 2-1/2" NPT Nozzle, Inergen® Fire Suppression System (Ansul 426156)	324.69	56.29
21 22 16 00-0127 EA 3" NPT Nozzle, Inergen® Fire Suppression System (Ansul 426137)	354.09	61.86
21 22 16 00-0128 EA 1/4" NPT Nozzle, 180 Degree Sidewall, Inergen® Fire Suppression System (Ansul 426138)	126.94	22.28
21 22 16 00-0129 EA 3/8" NPT Nozzle, 180 Degree Sidewall, Inergen® Fire Suppression System (Ansul 426139)	149.67	26.09
21 22 16 00-0130 EA 1/2" NPT Nozzle, 180 Degree Sidewall, Inergen® Fire Suppression System (Ansul 426140)	123.14	21.46
21 22 16 00-0131 EA 3/4" NPT Nozzle, 180 Degree Sidewall, Inergen® Fire Suppression System (Ansul 426141)	131.47	22.74
21 22 16 00-0132 EA 1" NPT Nozzle, 180 Degree Sidewall, Inergen® Fire Suppression System (Ansul 426142)	132.63	22.85
21 22 16 00-0133 EA 1-1/4" NPT Nozzle, 180 Degree Sidewall, Inergen® Fire Suppression System (Ansul 426143)	160.11	27.75
21 22 16 00-0134 EA 1-1/2" NPT Nozzle, 180 Degree Sidewall, Inergen® Fire Suppression System (Ansul 426157)	172.65	30.09
21 22 16 00-0135 EA 2" NPT Nozzle, 180 Degree Sidewall, Inergen® Fire Suppression System (Ansul 426144)	265.02	46.18
21 22 16 00-0136 EA 2-1/2" NPT Nozzle, 180 Degree Sidewall, Inergen® Fire Suppression System (Ansul 426145)	309.53	54.06
21 22 16 00-0137 EA 3" NPT Nozzle, 180 Degree Sidewall, Inergen® Fire Suppression System (Ansul 426146)	339.15	59.08
21 22 16 00-0138 Pressure Reducers, Inergen® Fire Suppression System <small>(21 22 16 00-0079)</small>		
21 22 16 00-0139 EA 1/2" NPT, Orifice Union, Pressure Reducer, Inergen® Fire Suppression System (Ansul 416677)	142.59	24.52
21 22 16 00-0140 EA 3/4" NPT, Orifice Union, Pressure Reducer, Inergen® Fire Suppression System (Ansul 416678)	175.04	30.54
21 22 16 00-0141 EA 1" NPT, Orifice Union, Pressure Reducer, Inergen® Fire Suppression System (Ansul 416679)	188.28	32.88
21 22 16 00-0142 EA 1-1/4" NPT, Orifice Union, Pressure Reducer, Inergen® Fire Suppression System (Ansul 416680)	265.02	46.18
21 22 16 00-0143 EA 1-1/2" NPT, Orifice Union, Pressure Reducer, Inergen® Fire Suppression System (Ansul 416681)	289.65	50.60
21 22 16 00-0144 EA 2" NPT, Orifice Union, Pressure Reducer, Inergen® Fire Suppression System (Ansul 416682)	340.31	59.08
21 22 16 00-0145 EA 2-1/2" NPT, Orifice Nipple, Pressure Reducer, Inergen® Fire Suppression System (Ansul 417057)	395.73	69.27
21 22 16 00-0146 EA 3" NPT, Orifice Nipple, Pressure Reducer, Inergen® Fire Suppression System (Ansul 417058)	467.96	81.93
21 22 16 00-0147 EA 2-1/2" NPT, Orifice Flanged, Pressure Reducer, Inergen® Fire Suppression System (Ansul 426823)	605.32	106.33
21 22 16 00-0148 EA 3" NPT, Orifice Flanged, Pressure Reducer, Inergen® Fire Suppression System (Ansul 426824)	806.85	141.56
21 22 16 00-0149 EA 4" NPT, Orifice Flanged, Pressure Reducer, Inergen® Fire Suppression System (Ansul 426825)	920.29	161.40
21 22 16 00-0150 EA 2-1/2" Slip-On, Orifice Flanged, Pressure Reducer, Inergen® Fire Suppression System (Ansul 426847)	583.29	102.16
21 22 16 00-0151 EA 3" Slip-On, Orifice Flanged, Pressure Reducer, Inergen® Fire Suppression System (Ansul 426848)	644.16	112.89
21 22 16 00-0152 EA 4" Slip-On, Orifice Flanged, Pressure Reducer, Inergen® Fire Suppression System (Ansul 426849)	920.29	161.40
21 22 16 00-0153 EA 2-1/2" Weld Neck, Orifice Flanged, Pressure Reducer, Inergen® Fire Suppression System (Ansul 426853)	601.29	105.34
21 22 16 00-0154 EA 3" Weld Neck, Orifice Flanged, Pressure Reducer, Inergen® Fire Suppression System (Ansul 426854)	669.50	117.32
21 22 16 00-0155 EA 4" Weld Neck, Orifice Flanged, Pressure Reducer, Inergen® Fire Suppression System (Ansul 426855)	925.02	172.37
21 22 16 00-0156 Pressure Switches, Inergen® Fire Suppression System <small>(21 22 16 00-0079)</small>		
21 22 16 00-0157 EA 3PST, Pressure Switch, Inergen® Fire Suppression System (Ansul 842344)	673.13	123.17
21 22 16 00-0158 Releasing Device Equipment, Inergen® Fire Suppression System <small>(21 22 16 00-0079)</small>		
21 22 16 00-0159 EA 12 Or 24 Volt DC, Assembly, Automan II-C Releasing Device Equipment, Inergen® Fire Suppression System (Ansul 17728)	1,099.33	191.09
21 22 16 00-0160 EA 24 Volt DC, Explosion Proof Automan II-C Releasing Device Equipment, Inergen® Fire Suppression System (Ansul 31492)	1,556.45	254.63
21 22 16 00-0161 EA 120 Volt AC, Explosion Proof Automan II-C Releasing Device Equipment, Inergen® Fire Suppression System (Ansul 32525)	1,644.82	259.01
21 22 16 00-0162 EA Cocking Lever For Automan II-C Releasing Device Equipment, Inergen® Fire Suppression System (Ansul 26310)	77.45	13.17
21 22 16 00-0163 EA LT-30-R Nitrogen Cartridge, Releasing Device Equipment, Inergen® Fire Suppression System (Ansul 5373)	93.41	17.44
21 22 16 00-0164 EA Remote Actuator Booster With N2 Cartridge, Releasing Device Equipment, Inergen® Fire Suppression System (Ansul 28939)	879.87	136.32
21 22 16 00-0165 Replacement Orifice Plates, Inergen® Fire Suppression System <small>(21 22 16 00-0079)</small>		
21 22 16 00-0166 EA 1/2" Replacement Orifice Plate, Inergen® Fire Suppression System (Ansul 418095)	95.27	12.94
21 22 16 00-0167 EA 3/4" Replacement Orifice Plate, Inergen® Fire Suppression System (Ansul 418096)	99.88	13.63
21 22 16 00-0168 EA 1" Replacement Orifice Plate, Inergen® Fire Suppression System (Ansul 418097)	104.65	13.86
21 22 16 00-0169 EA 1-1/4" Replacement Orifice Plate, Inergen® Fire Suppression System (Ansul 418098)	112.02	14.32
21 22 16 00-0170 EA 1-1/2" Replacement Orifice Plate, Inergen® Fire Suppression System (Ansul 418099)	116.98	15.71
21 22 16 00-0171 EA 2" Replacement Orifice Plate, Inergen® Fire Suppression System (Ansul 418100)	118.11	16.98
21 22 16 00-0172 EA 2-1/2" Replacement Orifice Plate, Inergen® Fire Suppression System (Ansul 426984)	263.12	45.52
21 22 16 00-0173 EA 3" Replacement Orifice Plate, Inergen® Fire Suppression System (Ansul 426985)	265.49	45.98
21 22 16 00-0174 EA 4" Replacement Orifice Plate, Inergen® Fire Suppression System (Ansul 426986)	340.31	58.92

21	21	Fire Suppression
	21 20	Fire-Extinguishing Systems
	21 22	Clean-Agent Fire-Extinguishing Systems



MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
21 22 16 00-0175		Single Cylinder Bracketing, Inergen® Fire Suppression System <small>(21 22 16 00-0079)</small>			
21 22 16 00-0176	EA	Strap For 435 CF Cylinder, Single Cylinder Bracketing, Inergen® Fire Suppression System (Ansul 427704)	123.87		21.46
21 22 16 00-0177	EA	Channel For 435 CF Cylinder, Single Cylinder Bracketing, Inergen® Fire Suppression System (Ansul 427705).....	179.39		49.05
		Note: Includes saddle, padding and fasteners.			
21 22 16 00-0178		Single Mating Flanges, Flanged Manifold Orifices, Inergen® Fire Suppression System <small>(21 22 16 00-0079)</small>			
21 22 16 00-0179	EA	2 1/2" Threaded, Single Mating Flange, Flanged Manifold Orifices, Inergen® Fire Suppression System (Ansul 426856)	311.01		31.72
		Note: Includes gasket and fasteners.			
21 22 16 00-0180	EA	3" Threaded, Single Mating Flange, Flanged Manifold Orifices, Inergen® Fire Suppression System (Ansul 426857)	271.65		47.35
		Note: Includes gasket and fasteners.			
21 22 16 00-0181	EA	4" Threaded, Single Mating Flange, Flanged Manifold Orifices, Inergen® Fire Suppression System (Ansul 426858)	308.39		53.88
		Note: Includes gasket and fasteners.			
21 22 16 00-0182	EA	2-1/2" Slip-On, Single Mating Flange, Flanged Manifold Orifices, Inergen® Fire Suppression System (Ansul 426859)	170.28		29.62
		Note: Includes gasket and fasteners.			
21 22 16 00-0183	EA	3" Slip-On, Single Mating Flange, Flanged Manifold Orifices, Inergen® Fire Suppression System (Ansul 426860).....	199.88		34.55
		Note: Includes gasket and fasteners.			
21 22 16 00-0184	EA	4" Slip-On, Single Mating Flange, Flanged Manifold Orifices, Inergen® Fire Suppression System (Ansul 426861).....	302.90		52.95
		Note: Includes gasket and fasteners.			
21 22 16 00-0185	EA	2-1/2" Weld Neck, Single Mating Flange, Flanged Manifold Orifices, Inergen® Fire Suppression System (Ansul 426862)	177.38		31.02
		Note: Includes gasket and fasteners.			
21 22 16 00-0186	EA	3" Weld Neck, Single Mating Flange, Flanged Manifold Orifices, Inergen® Fire Suppression System (Ansul 426863)	207.72		36.15
		Note: Includes gasket and fasteners.			
21 22 16 00-0187	EA	4" Weld Neck, Single Mating Flange, Flanged Manifold Orifices, Inergen® Fire Suppression System (Ansul 426864)	330.60		57.84
		Note: Includes gasket and fasteners.			
21 22 16 00-0188	EA	2-1/2" Flange Gasket, Single Mating Flange, Flanged Manifold Orifices, Inergen® Fire Suppression System (Ansul 426828)	32.93		2.35
		Note: Includes a stainless steel inner ring and a carbon steel outer ring.			
21 22 16 00-0189	EA	3" Flange Gasket, Single Mating Flange, Flanged Manifold Orifices, Inergen® Fire Suppression System (Ansul 426829)	33.40		2.59
		Note: Includes a stainless steel inner ring and a carbon steel outer ring.			
21 22 16 00-0190	EA	4" Flange Gasket, Single Mating Flange, Flanged Manifold Orifices, Inergen® Fire Suppression System (Ansul 426830)	36.11		3.07
		Note: Includes a stainless steel inner ring and a carbon steel outer ring.			
21 22 16 00-0191		Upright And Feet, Cylinder Bracketing, Inergen® Fire Suppression System <small>(21 22 16 00-0079)</small>			
21 22 16 00-0192	EA	Center Upright Foot, Inergen® Fire Suppression System (Ansul 418508)	21.71		3.77
21 22 16 00-0193	EA	Double Row, Back-To-Back Rows, Weigh Rail Support, Inergen® Fire Suppression System (Ansul 423027)	177.48		28.65
21 22 16 00-0194	EA	85" High, Cylinder Bracketing For 425 CF And LC100 Cylinders, Inergen® Fire Suppression System (Ansul 426592)	135.94		28.65
		Note: Includes upright, left, right and center.			
21 22 16 00-0195		Autopulse® Fire Detection And Control Equipment <small>(21 22 16 00-0001)</small>			
21 22 16 00-0196		Accessory Switches, Autopulse® Fire Detection And Control Equipment <small>(21 22 16 00-0195)</small>			
21 22 16 00-0197	EA	Abort, Flush Mount Switch, Autopulse® Fire Detection And Control Equipment (Ansul 76495)	140.18		24.72
21 22 16 00-0198	EA	Abort, Surface Mount Switch, Autopulse® Fire Detection And Control Equipment (Ansul 76494).....	159.36		28.19
21 22 16 00-0199	EA	Main/Reserve, Flush Mount Switch, Autopulse® Fire Detection And Control Equipment (Ansul 76497).....	202.69		35.82
21 22 16 00-0200	EA	Main/Reserve, Surface Mount Switch, Autopulse® Fire Detection And Control Equipment (Ansul 76496).....	218.33		38.59
21 22 16 00-0201	EA	Maintenance, Flush Mount Switch, Autopulse® Fire Detection And Control Equipment (Ansul 76499).....	273.48		48.52
21 22 16 00-0202	EA	Maintenance, Surface Mount Switch, Autopulse® Fire Detection And Control Equipment (Ansul 76498).....	291.01		51.53
21 22 16 00-0203	EA	Explosion Proof, Abort Switch, Autopulse® Fire Detection And Control Equipment (Ansul 65956).....	558.08		99.36
21 22 16 00-0204	EA	Single Gang, Surface Mount Back Box For Accessory Switches, Autopulse® Fire Detection And Control Equipment (Ansul 76490)	44.64		7.40
21 22 16 00-0205		Alarm Devices, Autopulse® Fire Detection And Control Equipment <small>(21 22 16 00-0195)</small>			
21 22 16 00-0206	EA	Selectable Candela Strobe, Alarm Devices, Autopulse® Fire Detection And Control Equipment (Ansul 429698)	121.48		21.49
21 22 16 00-0207	EA	Sync Module, Alarm Devices, Autopulse® Fire Detection And Control Equipment (Ansul 429699).....	178.07		31.42
21 22 16 00-0208	EA	Back Box Extender Adapter, Alarm Devices, Autopulse® Fire Detection And Control Equipment (Ansul 429702).....	16.24		2.86
21 22 16 00-0209		Annunciators, Autopulse® Fire Detection And Control Equipment <small>(21 22 16 00-0195)</small>			
21 22 16 00-0210	EA	80 Character LCD, Annunciator, LCD-80, Autopulse® Fire Detection And Control Equipment (Ansul 417492).....	1,400.45		249.31
21 22 16 00-0211	EA	16 Zone Alarm/Trouble, Annunciator Control Module, ACM-16AT, Autopulse® Fire Detection And Control Equipment (Ansul 417496)	1,173.94		208.88
21 22 16 00-0212	EA	16 Zone Alarm/Trouble, Annunciator Expander Module, AEM-16AT, Autopulse® Fire Detection And Control Equipment (Ansul 417497)	911.34		162.20
21 22 16 00-0213	EA	32 Zone, Alarm Annunciator Expander Module, AEM-32A, Autopulse® Fire Detection And Control Equipment (Ansul 417500)	793.68		141.18



Fire Suppression	21	12
Fire-Extinguishing Systems	21 20	
Clean-Agent Fire-Extinguishing Systems	21 22	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 22 16 00-0214 EA Annunciator Lamp Driver Control Module, LDM-32, Autopulse® Fire Detection And Control Equipment (Ansul 417501).....	793.68	141.18
21 22 16 00-0215 EA Annunciator Lamp Driver Expander Module, LDM-E32, Autopulse® Fire Detection And Control Equipment (Ansul 417502).....	635.75	112.99
21 22 16 00-0216 EA Annunciator Lamp Driver Relay Module, LDM-R32, Autopulse® Fire Detection And Control Equipment (Ansul 417650).....	1,173.94	208.88
21 22 16 00-0217 EA 24", Annunciator Lamp Driver Cable, LDM-CBL24, Autopulse® Fire Detection And Control Equipment (Ansul 417651).....	238.67	42.28
21 22 16 00-0218 EA 48", Annunciator Lamp Driver Cable, LDM-CBL48, Autopulse® Fire Detection And Control Equipment (Ansul 417652).....	299.28	53.15
21 22 16 00-0219 EA 8 Relay, Annunciator Control Module, ACM-8R, Autopulse® Fire Detection And Control Equipment (Ansul 417653).....	600.22	106.75
21 22 16 00-0220 EA Key Switch, AKS-1 Annunciator Accessory, Autopulse® Fire Detection And Control Equipment (Ansul 417660).....	101.35	17.90
21 22 16 00-0221 EA Low Profile Annunciator Chassis, CHS-4L, Autopulse® Fire Detection And Control Equipment (Ansul 418576)..... Note: For up to 4 LDM modules.	138.02	24.72
21 22 16 00-0222 EA Flush, Single Annunciator Back Box, ABF-1, Autopulse® Fire Detection And Control Equipment (Ansul 417657).....	238.68	42.28
21 22 16 00-0223 Autopulse IQ-396X Cabinets/Accessories, Autopulse® Fire Detection And Control Equipment (21 22 16 00-0195)		
21 22 16 00-0224 EA CHS-4 Chassis, IQ-396X Cabinets/Accessories, Autopulse® Fire Detection And Control Equipment (Ansul 419586).....	186.28	34.43
21 22 16 00-0225 EA REL 47K, In Line Supervisory Device, IQ-396X Cabinets/Accessories, Autopulse® Fire Detection And Control Equipment (Ansul 419639).....	11.63	2.35
21 22 16 00-0226 EA REL 4.7K, In Line Supervisory Device, IQ-396X Cabinets/Accessories, Autopulse® Fire Detection And Control Equipment (Ansul 419640).....	74.56	2.86
21 22 16 00-0227 EA REL 2.2K, In Line Supervisory Device, IQ-396X Cabinets/Accessories, Autopulse® Fire Detection And Control Equipment (Ansul 407765).....	12.73	2.86
21 22 16 00-0228 Autopulse IQ-396X Modules, Autopulse® Fire Detection And Control Equipment (21 22 16 00-0195)		
21 22 16 00-0229 EA Indicating Circuit Expander, IQ-396X Modules, ICE-4, Autopulse® Fire Detection And Control Equipment (Ansul 419564).....	414.42	77.17
21 22 16 00-0230 EA Control Relay Expander, IQ-396X Modules, CRE-4, Autopulse® Fire Detection And Control Equipment (Ansul 419566).....	248.29	45.98
21 22 16 00-0231 Batteries And Power Supplies, Autopulse® Fire Detection And Control Equipment (21 22 16 00-0195)		
21 22 16 00-0232 EA 7 Amp Hours, 24 Volt DC, Battery Pack, Autopulse® Fire Detection And Control Equipment (Ansul 417692).....	180.83	29.57
21 22 16 00-0233 EA 12 Amp Hours, 24 Volt DC, Battery Pack, Autopulse® Fire Detection And Control Equipment (Ansul 417693).....	378.56	62.62
21 22 16 00-0234 EA 18 Amp Hours, 24 Volt DC, Battery Pack, Autopulse® Fire Detection And Control Equipment (Ansul 417694).....	427.34	70.93
21 22 16 00-0235 EA 25 Amp Hours, 24 Volt DC, Battery Pack, Autopulse® Fire Detection And Control Equipment (Ansul 417695).....	555.35	86.41
21 22 16 00-0236 EA 55 Amp Hours, 24 Volt DC, Battery Pack, Autopulse® Fire Detection And Control Equipment (Ansul 417997).....	900.72	149.95
21 22 16 00-0237 EA BB-17, Red Battery Box, Autopulse® Fire Detection And Control Equipment (Ansul 418578).....	135.46	23.79
21 22 16 00-0238 EA BB-25, Grey Cabinet, Autopulse® Fire Detection And Control Equipment (Ansul 428079)..... Note: Holds six XP5 modules or 25AH battery pack.	242.22	42.97
21 22 16 00-0239 EA BB-55, Red Battery Box, Autopulse® Fire Detection And Control Equipment (Ansul 419410)..... Note: For mounting in BB-55 battery box.	492.74	87.57
21 22 16 00-0240 EA Battery Charger, CHG-120, Autopulse® Fire Detection And Control Equipment (Ansul 426207)..... Note: For mounting in BB-55 battery box.	1,432.71	255.09
21 22 16 00-0241 EA 120 Volt AC, FCPS-24F, Red Remote Power Supply, Autopulse® Fire Detection And Control Equipment (Ansul 418563).....	1,047.73	186.46
21 22 16 00-0242 Intelligent Addressable Devices, Autopulse® Fire Detection And Control Equipment (21 22 16 00-0195)		
21 22 16 00-0243 EA Monitor Module, Intelligent Addressable Devices, FMM-1, Autopulse® Fire Detection And Control Equipment (Ansul 428097).....	110.45	19.75
21 22 16 00-0244 EA Mini Monitor Module, Intelligent Addressable Devices, FMM-101, Autopulse® Fire Detection And Control Equipment (Ansul 428098).....	103.77	19.64
21 22 16 00-0245 EA Isolator Module, Intelligent Addressable Devices, ISO-X, Autopulse® Fire Detection And Control Equipment (Ansul 417480).....	141.45	28.19
21 22 16 00-0246 EA 2-Wire Detector Monitor Module, Intelligent Addressable Devices, FZM-1, Autopulse® Fire Detection And Control Equipment (Ansul 428100).....	207.42	36.74
21 22 16 00-0247 EA NAC Control Module, Intelligent Addressable Devices, FCM-1, Autopulse® Fire Detection And Control Equipment (Ansul 428101).....	161.90	29.81
21 22 16 00-0248 EA Control Relay Module, Intelligent Addressable Devices, FRM-1, Autopulse® Fire Detection And Control Equipment (Ansul 428102).....	152.41	28.65
21 22 16 00-0249 EA Flangeless, Analog Addressable Detector Base, Intelligent Addressable Devices, B501, Autopulse® Fire Detection And Control Equipment (Ansul 417487).....	24.29	4.57
21 22 16 00-0250 EA Analog Addressable Detector Base With Isolator, Intelligent Addressable Devices, B224BI, Autopulse® Fire Detection And Control Equipment (Ansul 426125).....	89.25	16.17
21 22 16 00-0251 EA Harsh Detector, Analog Addressable Detector Base, Intelligent Addressable Devices, B710HD, Autopulse® Fire Detection And Control Equipment (Ansul 427066).....	89.04	15.71
21 22 16 00-0252 EA HPX-751 Detector Filter Cover, Intelligent Addressable Devices, FR-FTX, Autopulse® Fire Detection And Control Equipment (Ansul 427067).....	35.38	12.94
21 22 16 00-0253 EA Low Profile Trim Ring, Intelligent Addressable Devices, F110, Autopulse® Fire Detection And Control Equipment (Ansul 428138)..... Note: Converts BX501 to low profile base.	8.19	1.44

21	Fire Suppression
21 20	Fire-Extinguishing Systems
21 22	Clean-Agent Fire-Extinguishing Systems



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 22 16 00-0254 EA Relay Base, Intelligent Addressable Devices, B224RB, Autopulse® Fire Detection And Control Equipment (Ansul 423945).....	85.71	15.14
21 22 16 00-0255 EA EOL Power Supervision Relay, Intelligent Addressable Devices, Autopulse® Fire Detection And Control Equipment (Ansul 417699).....	50.23	8.92
21 22 16 00-0256 EA XP5 Modules Cabinet, Intelligent Addressable Devices, BB-XP, Autopulse® Fire Detection And Control Equipment (Ansul 428078).....	135.69	23.56
21 22 16 00-0257 EA BB-25 Chassis, Intelligent Addressable Devices, CHS-6, Autopulse® Fire Detection And Control Equipment (Ansul 428080).....	71.04	12.47
21 22 16 00-0258 Manual Pull Stations, Autopulse® Fire Detection And Control Equipment <small>(21 22 16 00-0195)</small>		
21 22 16 00-0259 EA Break Rod Package For Manual Pull Stations, Autopulse® Fire Detection And Control Equipment (Ansul 428661).....	20.33	3.35
21 22 16 00-0260 EA Key Pull Station For Manual Pull Stations, Autopulse® Fire Detection And Control Equipment (Ansul 418336).....	12.49	1.85
21 22 16 00-0261 Transmitter/Relay Modules, Autopulse® Fire Detection And Control Equipment <small>(21 22 16 00-0195)</small>		
21 22 16 00-0262 EA Transmitter Module, 4XTM, Autopulse® Fire Detection And Control Equipment (Ansul 417470).....	178.07	31.42
Note: Includes municipal box and remote station connection.		
21 22 16 00-0263 EA Relay/Transmitter Module With 8 Form C Relay Contacts, RTM-8, Autopulse® Fire Detection And Control Equipment (Ansul 417471).....	533.43	90.34
21 22 16 00-0264 EA Universal Digital Alarm COM/XMTR Module, UDACT, Autopulse® Fire Detection And Control Equipment (Ansul 419411).....	1,023.11	182.07
21 22 16 00-0265 EA Ferrite Core For Transmitter/Relay Modules, Autopulse® Fire Detection And Control Equipment (Ansul 419635).....	27.22	4.71
21 22 16 00-0266 Vesda® Aspirating Smoke Detection System <small>(21 22 16 00-0001)</small>		
21 22 16 00-0267 Batteries And Power Supplies, Vesda® Aspirating Smoke Detection System <small>(21 22 16 00-0266)</small>		
21 22 16 00-0268 EA Transformer Only, VSP-TRAN-120, Vesda® Aspirating Smoke Detection System (Ansul 430482).....	137.44	22.19
21 22 16 00-0269 EA Battery Cabinet, VBC-001, Vesda® Aspirating Smoke Detection System (Ansul 430379).....	322.83	33.44
21 22 16 00-0270 EA 120 Volt AC, Single Zone Power Supply With Housing, VPS-100US-120, Vesda® Aspirating Smoke Detection System (Ansul 430374).....	767.38	129.39
21 22 16 00-0271 EA 220 Volt AC, Single Zone Power Supply With Housing, VPS-100US-220, Vesda® Aspirating Smoke Detection System (Ansul 430375).....	767.38	129.39
21 22 16 00-0272 EA 120 Volt AC, Multi Zone Power Supply, VPS-300US-120, Vesda® Aspirating Smoke Detection System (Ansul 430376).....	1,152.83	194.09
Note: Includes housing and battery cab.		
21 22 16 00-0273 EA 220 Volt AC, Multi Zone Power Supply, VPS-300US-220, Vesda® Aspirating Smoke Detection System (Ansul 430377).....	1,152.83	194.09
Note: Includes housing and battery cab.		
21 22 16 00-0274 EA 48 Volt DC, Multi Zone Power Supply With Housing, VPS-400US-48, Vesda® Aspirating Smoke Detection System (Ansul 430378).....	1,666.43	247.23
21 22 16 00-0275 Blank Plates, Vesda® Aspirating Smoke Detection System <small>(21 22 16 00-0266)</small>		
21 22 16 00-0276 EA Blank Plate Without VESDA Logo, VSP-300, Vesda® Aspirating Smoke Detection System (Ansul 430459).....	24.74	4.16
21 22 16 00-0277 EA Blank Plate With VESDA Logo, VSP-000, Vesda® Aspirating Smoke Detection System (Ansul 430458).....	36.27	4.16
21 22 16 00-0278 EA Blank Plate, EMC Painted Without Logo, VSP-200, Vesda® Aspirating Smoke Detection System (Ansul 430484).....	53.55	7.85
21 22 16 00-0279 EA Single Blank Plate, VRE-001, Vesda® Aspirating Smoke Detection System (Ansul 430446).....	81.71	8.78
21 22 16 00-0280 EA Double Blank Plate, VRE-002, Vesda® Aspirating Smoke Detection System (Ansul 430447).....	105.93	17.56
21 22 16 00-0281 EA Blank Plate Without FOK LED's And Logo, VSP-100, Vesda® Aspirating Smoke Detection System (Ansul 430480).....	191.18	22.19
21 22 16 00-0282 Detectors, Vesda® Aspirating Smoke Detection System <small>(21 22 16 00-0266)</small>		
21 22 16 00-0283 EA LaserPLUS, Detector Only, Enclosure, VLP-000, Vesda® Aspirating Smoke Detection System (Ansul 430350).....	5,848.50	1,085.96
Note: Includes 3 blank plates.		
21 22 16 00-0284 EA LaserPLUS Detector, VLP-012, Vesda® Aspirating Smoke Detection System (Ansul 430354).....	7,439.88	1,340.12
Note: Includes centrally mounted LCD programmer module and standard display.		
21 22 16 00-0285 EA LaserPLUS Detector, VLP-010, Vesda® Aspirating Smoke Detection System (Ansul 430356).....	6,733.59	1,224.59
Note: Includes centrally mounted LCD programmer.		
21 22 16 00-0286 EA 7-Relay Version, LaserSCANNER Detector Only, VLS-200, Vesda® Aspirating Smoke Detection System (Ansul 430357).....	9,321.29	1,617.39
21 22 16 00-0287 EA 12-Relay Version, LaserSCANNER Detector Only, VLS-300, Vesda® Aspirating Smoke Detection System (Ansul 430358).....	9,817.15	1,709.81
21 22 16 00-0288 EA 7-Relay Version, LaserSCANNER Detector Only, VLS-600, Vesda® Aspirating Smoke Detection System (Ansul 430359).....	9,426.45	1,640.49
Note: Includes 1 fire alarm (any SCT) and OK/FOK LEDs.		
21 22 16 00-0289 EA 12-Relay Version, LaserSCANNER Detector Only, VLS-700, Vesda® Aspirating Smoke Detection System (Ansul 430360).....	9,955.67	1,732.92
Note: Includes 1 fire alarm (any SCT) and OK/FOK LED.		
21 22 16 00-0290 EA 7-Relay, LaserSCANNER Detector Only, VLS-204, Vesda® Aspirating Smoke Detection System (Ansul 430361).....	10,249.81	1,802.23
Note: Includes 2 blank plates and scan display module at far right.		
21 22 16 00-0291 EA 12-Relay, LaserSCANNER Detector, VLS-304, Vesda® Aspirating Smoke Detection System (Ansul 430363).....	10,701.49	1,894.65
Note: Includes 2 blank plates and scanner display.		
21 22 16 00-0292 EA 7-Relay, LaserSCANNER Detector, VLS-214, Vesda® Aspirating Smoke Detection System (Ansul 430365).....	11,246.08	1,987.07
Note: Includes centrally mounted programmer module.		
21 22 16 00-0293 EA 12-Relay, LaserSCANNER Detector, VLS-314, Vesda® Aspirating Smoke Detection System (Ansul 430367).....	11,730.00	2,079.49
Note: Includes centrally mounted LCD programmer module and scanner display module.		



Fire Suppression	21	
Fire-Extinguishing Systems	21 20	12
Clean-Agent Fire-Extinguishing Systems	21 22	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 22 16 00-0294 EA 12-Relay, LaserSCANNER Detector, VLS-310, Vesda® Aspirating Smoke Detection System (Ansul 430369)..... Note: Includes centrally mounted LCD programmer.	10,994.75	1,894.65
21 22 16 00-0295 Displays, Vesda® Aspirating Smoke Detection System <small>(21 22 16 00-0266)</small>		
21 22 16 00-0296 EA VRT-200 Display, Standard Version, Vesda® Aspirating Smoke Detection System (Ansul 430381)..... Note: Includes a remote termination card and 7 relays.	1,741.83	254.16
21 22 16 00-0297 EA VRT-400 Display, Scanner Version, Vesda® Aspirating Smoke Detection System (Ansul 430385)..... Note: Includes a remote termination card and 7 relays.	1,749.72	254.16
21 22 16 00-0298 EA VRT-600 Display, Standard Version, Vesda® Aspirating Smoke Detection System (Ansul 430383)..... Note: Includes a remote termination card without relays.	1,577.88	231.05
21 22 16 00-0299 EA VRT-700 Display, Scanner Version, Vesda® Aspirating Smoke Detection System (Ansul 430387)..... Note: Includes a remote termination card.	1,587.04	231.05
21 22 16 00-0300 EA VRT-800 Display, Scanner Version, Vesda® Aspirating Smoke Detection System (Ansul 430389)..... Note: Includes a remote termination card and 12 relays.	1,957.59	277.26
21 22 16 00-0301 EA VRT-K00 Display, Compact Version Without Relays, Vesda® Aspirating Smoke Detection System (Ansul 430391).....	1,665.86	240.30
21 22 16 00-0302 EA VRT-J00 Display, Compact Version With 7 Relays, Vesda® Aspirating Smoke Detection System (Ansul 430393).....	1,826.88	269.88
21 22 16 00-0303 Intelligent Addressable Devices, Vesda® Aspirating Smoke Detection System <small>(21 22 16 00-0266)</small>		
21 22 16 00-0304 EA LaserCOMPACT (VN), VESDAnet Version Plus Relay Output, VLC-505, Vesda® Aspirating Smoke Detection System (Ansul 430370).....	4,440.89	762.48
21 22 16 00-0305 EA LaserCOMPACT (RO), Relay Only Version, VLC-500, Vesda® Aspirating Smoke Detection System (Ansul 430372).....	3,648.55	609.99
21 22 16 00-0306 EA Programmer With Remote Termination Card, VRT-100, Vesda® Aspirating Smoke Detection System (Ansul 430380).....	1,297.58	231.05
21 22 16 00-0307 EA VESDAnet Socket, VRT-300, Vesda® Aspirating Smoke Detection System (Ansul 430395).....	926.17	150.18
21 22 16 00-0308 EA System Relay Module, VRT-S07, Vesda® Aspirating Smoke Detection System (Ansul 430399).....	1,287.02	202.40
21 22 16 00-0309 EA PC-Link High-Level Interface, VHX-0200, Vesda® Aspirating Smoke Detection System (Ansul 430442)..... Note: Interface connects PC and LaserPLUS system.	1,562.64	249.54
21 22 16 00-0310 EA Modem Cable, PC-HLI To Modem Connection, VHX-00090, Vesda® Aspirating Smoke Detection System (Ansul 430443).....	242.40	37.44
21 22 16 00-0311 EA Hand-Held Programmer, VHH-1000, Vesda® Aspirating Smoke Detection System (Ansul 430444).....	1,611.39	231.05
21 22 16 00-0312 EA Programmer Module, VSP-001, Vesda® Aspirating Smoke Detection System (Ansul 430460).....	1,164.16	191.78
21 22 16 00-0313 EA VESDAnet Socket Kit, VSP-003, Vesda® Aspirating Smoke Detection System (Ansul 430463).....	912.95	147.87
21 22 16 00-0314 EA Standard Display Module, VSP-002, Vesda® Aspirating Smoke Detection System (Ansul 430461).....	1,165.88	191.78
21 22 16 00-0315 EA Scanner Display Module, VSP-004, Vesda® Aspirating Smoke Detection System (Ansul 430464).....	1,164.16	191.78
21 22 16 00-0316 EA Remote Display Module, Compact (VN), VSP-502, Vesda® Aspirating Smoke Detection System (Ansul 430487).....	1,146.47	180.22
21 22 16 00-0317 EA Filter Cartridge, VSP-005, Vesda® Aspirating Smoke Detection System (Ansul 430466).....	135.64	16.17
21 22 16 00-0318 EA Detector Chassis Assembly, VSP-006, Vesda® Aspirating Smoke Detection System (Ansul 430467).....	5,547.48	887.25
21 22 16 00-0319 EA Scanner Chassis Assembly, VSP-009, Vesda® Aspirating Smoke Detection System (Ansul 430470).....	9,669.81	1,552.69
21 22 16 00-0320 EA Detector Cover Assembly With EMC Shields, VSP-013, Vesda® Aspirating Smoke Detection System (Ansul 430473).....	139.95	69.32
21 22 16 00-0321 EA Aspirator For LaserPLUS And Laser Scanner, VSP-015, Vesda® Aspirating Smoke Detection System (Ansul 430475).....	752.77	115.53
21 22 16 00-0322 EA Filter Cover, VSP-019, Vesda® Aspirating Smoke Detection System (Ansul 430477).....	16.97	2.31
21 22 16 00-0323 EA Cover Screws, 17606, Vesda® Aspirating Smoke Detection System (Ansul 430478).....	9.16	0.46
21 22 16 00-0324 EA US Power Supply Circuit Board Only, VSP-100, Vesda® Aspirating Smoke Detection System (Ansul 430481).....	416.36	67.01
21 22 16 00-0325 EA Relay Processor Module (DRP), VSP-102, Vesda® Aspirating Smoke Detection System (Ansul 430483).....	504.51	81.33
21 22 16 00-0326 EA Aspirator, LaserCOMPACT, VSP-501, Vesda® Aspirating Smoke Detection System (Ansul 430486).....	728.50	117.83
21 22 16 00-0327 EA RO-Cable For LaserCOMPACT Relay Only, (RO) Version, VSP-509, Vesda® Aspirating Smoke Detection System (Ansul 430488).....	107.43	17.56
21 22 16 00-0328 EA Miniature Sampling Point, E700-SP, Vesda® Aspirating Smoke Detection System (Ansul 430502).....	17.25	3.70
21 22 16 00-0329 Labels And Decals, Vesda® Aspirating Smoke Detection System <small>(21 22 16 00-0266)</small>		
21 22 16 00-0330 EA Sampling Point Labels, Roll Of 35, E700-SP-DCL-PIPE, Vesda® Aspirating Smoke Detection System (Ansul 430509).....	15.39	2.77
21 22 16 00-0331 EA Round Point Label, Roll Of 50, E700-SP-DCL-PNT, Vesda® Aspirating Smoke Detection System (Ansul 430505).....	16.32	3.24
21 22 16 00-0332 EA Red, Round, Miniature Sampling Point Label, Sheet Of 12, E700-SPLR, Vesda® Aspirating Smoke Detection System (Ansul 430506).....	24.74	4.16
21 22 16 00-0333 EA Grey, Round, Miniature Sampling Point Label, Sheet Of 12, E700-SPLG, Vesda® Aspirating Smoke Detection System (Ansul 430507).....	24.77	4.16
21 22 16 00-0334 EA Sampling Point Decal, Wrap-Around Style, Roll Of 200, E700-SP-DCL, Vesda® Aspirating Smoke Detection System (Ansul 430508).....	90.13	15.71
21 22 16 00-0335 Mounting Hardware, Vesda® Aspirating Smoke Detection System <small>(21 22 16 00-0266)</small>		
21 22 16 00-0336 EA Remote Mounting Single Box With Escutcheon Only, VKT-000, Vesda® Aspirating Smoke Detection System (Ansul 430456).....	219.79	33.27
21 22 16 00-0337 EA Recessed Mounting Kit For Remote Single Boxes, VSP-012, Vesda® Aspirating Smoke Detection System (Ansul 430472).....	295.92	44.36
21 22 16 00-0338 EA Recessed Mounting Kit For VLP Or VLS Detector, VSP-011, Vesda® Aspirating Smoke Detection System (Ansul 430471).....	304.31	48.52
21 22 16 00-0339 EA Remote 19 Sub Rack With 4 Blank Plates, VSR-0000, Vesda® Aspirating Smoke Detection System (Ansul 430457).....	715.83	69.32
21 22 16 00-0340 EA Sub Rack Enclosure, VRE-100, Vesda® Aspirating Smoke Detection System (Ansul 430445).....	1,078.79	152.49
21 22 16 00-0341 Pipe And Fittings, Vesda® Aspirating Smoke Detection System <small>(21 22 16 00-0266)</small>		

21 Fire Suppression**21 20 Fire-Extinguishing Systems****21 22 Clean-Agent Fire-Extinguishing Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 22 16 00-0342 LF 3/4", Orange Chlorinated Polyvinyl Chloride (CPVC) Pipe, Vesda® Aspirating Smoke Detection System (Ansul 430491)	5.20	1.66
21 22 16 00-0343 EA 3/4", End Cap, Chlorinated Polyvinyl Chloride (CPVC) Socket Weld, Vesda® Aspirating Smoke Detection System (Ansul 430497)	9.18	3.32
21 22 16 00-0344 EA 3/4", 45 Degree Elbow, Chlorinated Polyvinyl Chloride (CPVC) Socket Weld, Vesda® Aspirating Smoke Detection System (Ansul 430494)	25.76	9.96
21 22 16 00-0345 EA 3/4", 90 Degree Elbow, Chlorinated Polyvinyl Chloride (CPVC) Socket Weld, Vesda® Aspirating Smoke Detection System (Ansul 430493)	26.41	9.96
21 22 16 00-0346 EA 3/4", Coupling, Chlorinated Polyvinyl Chloride (CPVC) Socket Weld, Vesda® Aspirating Smoke Detection System (Ansul 430495)	18.06	6.64
21 22 16 00-0347 EA 3/4", Union, Chlorinated Polyvinyl Chloride (CPVC) Socket Weld, Vesda® Aspirating Smoke Detection System (Ansul 430496)	28.66	9.96
21 22 16 00-0348 EA 3/4", Tee, Chlorinated Polyvinyl Chloride (CPVC) Socket Weld, Vesda® Aspirating Smoke Detection System (Ansul 430498)	39.35	14.93
21 22 16 00-0349 EA 3/4" x 1/2" FPT, Tee, Chlorinated Polyvinyl Chloride (CPVC), Vesda® Aspirating Smoke Detection System (Ansul 430499)	48.48	17.52
21 22 16 00-0350 LF 1/2" OD x 3/8" ID, Black Polyethylene Tubing, Vesda® Aspirating Smoke Detection System (Ansul 430500)	4.54	1.67
21 22 16 00-0351 EA Pipe Adapters, Metric-To-Imperial, VSP-021, Vesda® Aspirating Smoke Detection System (Ansul 430479)	17.23	5.09
21 22 16 00-0352 EA Capillary Kit, 1 Male 1/2" TH x 1/2" OD, 1 Female 1/2" OD, Plastic, E700-CAP KIT, Vesda® Aspirating Smoke Detection System (Ansul 430503)	19.77	3.70
21 22 16 00-0353 EA Capillary Kit, 1 Male 1/2" TH x 1/2" OD, 1 Female 1/2" OD, Brass, Vesda® Aspirating Smoke Detection System (Ansul 430504)	28.24	5.09
21 22 16 00-0354 Remote Termination And Relay Cards, Vesda® Aspirating Smoke Detection System <small>(21 22 16 00-0266)</small>		
21 22 16 00-0355 EA VRT-500, Remote Termination And Relay Proc Card With Blank Plates, Vesda® Aspirating Smoke Detection System (Ansul 430396)	1,261.56	177.45
Note: Remote box includes 7 relays for VLP/VLC.		
21 22 16 00-0356 EA VN, Compact Termination Card, VSP-515, Vesda® Aspirating Smoke Detection System (Ansul 430490)	1,297.76	204.25
21 22 16 00-0357 EA 12-Relay, Remote Termination Card, VSP-208, Vesda® Aspirating Smoke Detection System (Ansul 430485)	786.09	124.77
21 22 16 00-0358 EA RO, Compact Termination Card, VSP-510, Vesda® Aspirating Smoke Detection System (Ansul 430489)	897.39	140.94
21 22 16 00-0359 EA VRT-501, Remote Termination And Relay Proc Card With Blank Plates, Vesda® Aspirating Smoke Detection System (Ansul 430397)	1,261.56	177.45
Note: Remote box includes 7 relays for VLS.		
21 22 16 00-0360 EA VRT-900 Remote Termination And Relay Proc Card With Blank Plates, Vesda® Aspirating Smoke Detection System (Ansul 430398)	1,517.36	204.25
Note: Remote box includes 12 relays for VLS.		
21 22 16 00-0361 EA Remote Termination Card Without Relay, VSP-007, Vesda® Aspirating Smoke Detection System (Ansul 430468)	432.91	62.85
21 22 16 00-0362 EA Remote Termination Card (RTC7), VSP-008, Vesda® Aspirating Smoke Detection System (Ansul 430469)	651.95	96.12
21 22 16 00-0363 EA 7-Relay, Head Termination Card, VSP-014, Vesda® Aspirating Smoke Detection System (Ansul 430474)	1,236.81	198.71
21 22 16 00-0364 EA 12-Relay, Head Termination Card, VSP-016, Vesda® Aspirating Smoke Detection System (Ansul 430476)	1,814.24	291.13
21 22 16 00-0365 Preferred® Low Pressure CO2 System <small>(21 22 16 00-0001)</small>		
21 22 16 00-0366 Manual Pull Stations, Preferred® Low Pressure CO2 System <small>(21 22 16 00-0365)</small>		
21 22 16 00-0367 EA Addressable, DPST, Dual Action Pull Station, Preferred® Low Pressure CO2 System (Ansul 428658)	98.17	16.17
Note: Excludes FMM-101.		
21 22 16 00-0368 EA Weatherproof Backbox For Manual Pull Stations, Preferred® Low Pressure CO2 System (Ansul 428659)	73.40	12.01
21 22 16 00-0369 Industrial Fire Control System <small>(21 22 16 00-0001)</small>		
21 22 16 00-0370 Alarm Devices, Industrial Fire Control System <small>(21 22 16 00-0369)</small>		
21 22 16 00-0371 EA Explosion Proof Alarm Horn, Alarm Devices, Industrial Fire Control System (Ansul 65947)	2,393.77	426.30
21 22 16 00-0372 EA 6", 115 Volt AC Alarm Bell For Release Systems, Alarm Devices, Industrial Fire Control System (Ansul 24751)	71.58	9.80
21 22 16 00-0373 EA 24 Volt AC, Multitone Horn, Alarm Devices, Industrial Fire Control System (Ansul 429697)	72.22	12.71
21 22 16 00-0374 EA Weatherproof Surface Back Box For Horn And Strobe, Alarm Devices, Industrial Fire Control System (Ansul 429700)	43.04	7.63
21 22 16 00-0375 EA Semi-Flush Plate, Alarm Devices, Industrial Fire Control System (Ansul 429701)	17.58	3.10
21 22 16 00-0376 Manual Pull Stations, Industrial Fire Control System <small>(21 22 16 00-0369)</small>		
21 22 16 00-0377 EA SPST, Dual Action Pull Station, Industrial Fire Control System (Ansul 428655)	81.15	13.40
21 22 16 00-0378 EA DPST, Dual Action Pull Station, Industrial Fire Control System (Ansul 428656)	114.43	18.95
21 22 16 00-0379 EA Explosion Proof, DPDT, Dual Action Pull Station, Industrial Fire Control System (Ansul 428657)	893.82	148.80
21 22 16 00-0380 EA Surface Mounted Backbox For Manual Pull Stations, Industrial Fire Control System (Ansul 428660)	25.97	4.30
21 22 16 00-0381 EA Extra Pull Station Labels For Manual Pull Stations, Industrial Fire Control System (Ansul 428654)	11.64	1.92
21 22 16 00-0382 Marine Fire Control System <small>(21 22 16 00-0001)</small>		
21 22 16 00-0383 Alarm Devices, Marine Fire Control System <small>(21 22 16 00-0382)</small>		
21 22 16 00-0384 EA Weatherproof Surface Mount Back Box For Alarm Accessories, Alarm Devices, Marine Fire Control System (Ansul 24747)	47.05	7.76
21 22 16 00-0385 EA 6", 24 Volt DC, Alarm Bell, Alarm Devices, Marine Fire Control System (Ansul 417805)	87.07	15.02
21 22 16 00-0386 EA 10", 24 Volt DC, Alarm Bell, Alarm Devices, Marine Fire Control System (Ansul 417806)	87.07	15.02
21 22 16 00-0387 FM200 System Equipment <small>(21 22 16)</small>		
21 22 16 00-0388 EA 26 LB Cylinder, Filled, For FM200 Fire Protection system	2,341.69	111.46



Fire Suppression	21	
Fire-Extinguishing Systems	21 20	12
Clean-Agent Fire-Extinguishing Systems	21 22	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 22 16 00-0389	EA		44 LB Cylinder, Filled, For FM200 Fire Protection system.....	3,337.07	127.62
21 22 16 00-0390	EA		63 LB Cylinder, Filled, For FM200 Fire Protection system.....	3,960.61	150.47
21 22 16 00-0391	EA		101 LB Cylinder, Filled, For FM200 Fire Protection system.....	5,236.25	178.35
21 22 16 00-0392	EA		196 LB Cylinder, Filled, For FM200 Fire Protection system.....	8,150.46	222.93
21 22 16 00-0393	EA		Electro/Mechanical Release, For FM200 Fire Protection system	599.95	222.93
21 22 16 00-0394	EA		Manual Pull Station, For FM200 Fire Protection system	206.00	74.13
21 22 16 00-0395	EA		Pneumatic Damper Release, For FM200 Fire Protection system.....	220.61	55.73
21 22 16 00-0396	LB		FM200 Gas.....	15.75	
21 22 16 00-0397	EA		Master Cylinder, For FM200 Fire Protection system.....	3,746.09	59.97
21 22 16 00-0398	EA		Shuttle Check Valve, For FM200 Fire Protection system	500.98	83.83
21 22 16 00-0399	EA		Flex Head Cylinder, For FM200 Fire Protection system	504.98	89.84
21 22 16 00-0400	EA		Nozzles, For FM200 Fire Protection system.....	134.18	31.77
21 22 16 00-0401	EA		Cylinder Support, For FM200 Fire Protection system.....	177.48	59.97
21 22 16 00-0402	EA		Solenoid Valve, For FM200 Fire Protection system.....	630.52	89.84
21 22 16 00-0403	EA		Battery Back-Up, For FM200 Fire Protection system.....	626.22	236.97
21 22 16 00-0404	EA		Control Panel, Single Zone, For FM200 Fire Protection system.....	2,976.96	445.19
21 22 16 00-0405	EA		Control Panel, Multi Zone, For FM200 Fire Protection system	4,928.92	891.39
21 22 16 00-0406	EA		Smoke Or Heat Detector, For FM200 Fire Protection system.....	254.07	89.84
21 22 16 00-0407	EA		Annunciator, For FM200 Fire Protection system.....	2,396.59	337.41
21 22 16 00-0408	EA		Pressure Switch, For FM200 Fire Protection system.....	268.88	89.84
21 22 16 00-0409	EA		Alarm Horn, For FM200 Fire Protection system.....	252.64	89.84
21 22 16 00-0410	EA		Testing, For FM200 Fire Protection system.....	1,136.17	
21 22 16 00-0411	EA		Abort Switch, For FM200 Fire Protection system.....	156.45	41.80

21 23 Wet-Chemical Fire-Extinguishing Systems (21 20)

21 23 16 Wet-Chemical Fire-Extinguishing Equipment (21 23)

21 23 16 00-0001 Kidde Fire Systems (21 23 16)

Note: Kidde or equal.

21 23 16 00-0002 Cylinders And Hardware (21 23 16 00-0001)

21 23 16 00-0003	EA		125 Cylinder And Valve Assembly With 1.25 Gallon of Wet Agent.....	556.44	92.31
21 23 16 00-0004	EA		260 Cylinder And Valve Assembly With 2.6 Gallon Of Wet Agent	647.87	114.98
21 23 16 00-0005	EA		400S And M Cylinder And Valve Assembly With 4 Gallon Of Wet Agent	794.88	141.85
21 23 16 00-0006	EA		600 And L Cylinder And Valve Assembly With 6 Gallon Of Wet Agent.....	939.39	168.31
21 23 16 00-0007	EA		Discharge Adapter Kit (One Required Per Cylinder).....	30.85	4.83
21 23 16 00-0008	EA		System Valve Actuator	112.64	19.18
21 23 16 00-0009	EA		Vent Plug.....	21.40	3.90
21 23 16 00-0010	EA		Gauge Shield.....	56.79	10.25
21 23 16 00-0011	EA		125 Cylinder Wall Mounting Bracket.....	58.40	10.25
21 23 16 00-0012	EA		260 Cylinder Wall Mounting Bracket.....	61.90	10.87
21 23 16 00-0013	EA		400S And M Cylinder Wall Mounting Bracket	117.51	20.51
21 23 16 00-0014	EA		600 And 400M Cylinder Shelf Bracket	118.49	23.28
21 23 16 00-0015	EA		600 And 400M Cylinder Floor Mounting Kit.....	161.73	23.33
21 23 16 00-0016	EA		125 And 260 Cylinder Replacement Bracket Strap.....	23.73	
21 23 16 00-0017	EA		400 And 600 Cylinder Replacement Bracket Strap.....	24.76	

21 23 16 00-0018 Nozzles And Accessories (21 23 16 00-0001)

21 23 16 00-0019	EA		ADP, F, GRW Or R Nozzle.....	52.55	9.44
21 23 16 00-0020	EA		LPF Or DM Nozzle.....	56.34	9.44
21 23 16 00-0021	EA		LPR Nozzle.....	64.14	9.44
21 23 16 00-0022	EA		3/8" Swivel Adapter For Nozzles.....	39.04	6.67
21 23 16 00-0023	EA		Replacement Nozzle Seals.....	6.19	
21 23 16 00-0024	EA		Chrome Nozzle Disc Cap.....	3.80	0.61
21 23 16 00-0025	EA		LPR Nozzle Disc Cap	27.06	9.39

21 23 16 00-0026 Control Systems (21 23 16 00-0001)

21 23 16 00-0027	EA		XV Control System	652.78	61.53
Note: Includes (1) SVA, (1) system cartridge, (1) test cartridge, (1) EMT connector kit, (1) SPDT microswitch kit, and (1) SPDT microswitch kit.					
21 23 16 00-0028	EA		7-1/2" High Pressure Hose (Required for cylinder mounted XV Control System).....	59.90	10.25
21 23 16 00-0029	EA		24" High Pressure Hose	69.23	10.25
21 23 16 00-0030	EA		60" High Pressure Hose	89.96	10.25
21 23 16 00-0031	EA		XV Solenoid Kit (Electric Actuator), 24 VDC.....	135.36	20.51
21 23 16 00-0032	EA		XV Microswitch Kit, SPDT.....	47.27	9.64
21 23 16 00-0033	EA		XV Microswitch Kit, SPDT, Terminal Type, For Alarm/Release	50.38	9.64
21 23 16 00-0034	EA		EMT Connector Kit (EMT Connector & O-Ring)	23.67	7.69
21 23 16 00-0035	EA		KRS-50 Control Box Assembly	371.81	39.74
Note: Includes (1) SVA, (2) CO2 cartridges, (2) set screws, (1) grommet, (1) cover label, and (1) exhaust fan caution label.					
21 23 16 00-0036	EA		SPDT Microswitch For KRS-50.....	54.85	9.64
21 23 16 00-0037	EA		DPDT Microswitch For KRS-50	98.58	16.72
21 23 16 00-0038	EA		SPDT Pressure Switch (Fire Department Tie-In).....	304.84	53.64

21 23 16 00-0039 Mechanical Actuation Components (21 23 16 00-0001)

21 23 16 00-0040	EA		Universal Detector Link Housing Kit, Mechanical Actuation Systems.....	43.64	15.38
Note: Includes (1) bracket (11-3/4"), (2) "S" hook, and (2) cable crimp sleeves.					

21	Fire Suppression
21 20	Fire-Extinguishing Systems
21 23	Wet-Chemical Fire-Extinguishing Systems



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 23 16 00-0041 EA XV Low Profile Link Detector Housing Kit.....	57.72	15.38
Note: Includes (1) bracket, (2) 1/2" EMT connectors, (4) cable crimp sleeves, and (1) S hook.		
21 23 16 00-0042 EA XV Or KRS-50 Remote Manual Release, Combination Pull-To-Trip/Release-To-Trip.....	128.32	10.25
21 23 16 00-0043 EA XV Remote Manual Release, Pull-To-Trip.....	100.33	10.25
21 23 16 00-0044 EA Corner Pulley, Mechanical Actuation Systems.....	15.37	2.76
21 23 16 00-0045 EA Double Tee Pulley, Mechanical Actuation Systems.....	192.03	16.92
21 23 16 00-0046 EA In-Line Tee Pulley, Mechanical Actuation Systems.....	25.62	4.51
21 23 16 00-0047 EA Corner Pulley / Quik-Seal Adapter Combination.....	52.75	5.13
21 23 16 00-0048 LF 1/16" Cable, Mechanical Actuation Systems.....	2.28	1.03
21 23 16 00-0049 EA Cable Clamp.....	7.25	0.51
21 23 16 00-0050 EA Cable Crimp Sleeve, Mechanical Actuation Systems.....	1.24	0.41
21 23 16 00-0051 EA "S" Hook, Mechanical Actuation Systems.....	1.21	0.41
21 23 16 00-0052 EA 1/2" EMT x 3/8" NPT Adapter, Mechanical Actuation Systems.....	54.62	9.54
21 23 16 00-0053 Mechanical Detection Links (21 23 16 00-0001)		
21 23 16 00-0054 EA KGS Standard Response Link.....	14.64	5.13
21 23 16 00-0055 EA KGS Rapid Response Link.....	19.03	5.13
21 23 16 00-0056 EA KFA Type "A" Fusible Link.....	17.06	5.13
21 23 16 00-0057 EA KML Type "ML" Fusible Link.....	17.51	5.13
21 23 16 00-0058 EA 500 Degree, KML Type "ML" Fusible Link.....	23.73	5.13
21 23 16 00-0059 Gas Valves (21 23 16 00-0001)		
21 23 16 00-0060 EA 3/4" NPT Mechanical Cable Operated Gas Shut-off Valve.....	226.77	22.16
21 23 16 00-0061 EA 1" NPT Mechanical Cable Operated Gas Shut-off Valve.....	249.94	27.28
21 23 16 00-0062 EA 1-1/4" NPT Mechanical Cable Operated Gas Shut-off Valve.....	290.10	34.46
21 23 16 00-0063 EA 1-1/2" NPT Mechanical Cable Operated Gas Shut-off Valve.....	320.09	39.69
21 23 16 00-0064 EA 2" NPT Mechanical Cable Operated Gas Shut-off Valve.....	349.64	46.87
21 23 16 00-0065 EA 2-1/2" NPT Mechanical Cable Operated Gas Shut-off Valve.....	570.85	68.51
21 23 16 00-0066 EA 3" NPT Mechanical Cable Operated Gas Shut-off Valve.....	640.18	79.28
21 23 16 00-0067 EA Pneumatic Release (Single Unit).....	257.42	25.02
21 23 16 00-0068 EA Replacement Cable Block And Set Screw Assembly For Gas Valve.....	33.06	5.13
21 23 16 00-0069 EA 1/2" Electric Solenoid Gas Shut-off Valve.....	234.29	20.62
21 23 16 00-0070 EA 3/4" Electric Solenoid Gas Shut-off Valve.....	237.37	22.16
21 23 16 00-0071 EA 1" Electric Solenoid Gas Shut-off Valve.....	359.73	27.28
21 23 16 00-0072 EA 1-1/4" Electric Solenoid Gas Shut-off Valve.....	386.27	34.46
21 23 16 00-0073 EA 1-1/2" Electric Solenoid Gas Shut-off Valve.....	443.51	39.69
21 23 16 00-0074 EA 2" Electric Solenoid Gas Shut-off Valve.....	566.20	46.87
21 23 16 00-0075 EA 2-1/2" Electric Solenoid Gas Shut-off Valve.....	927.49	68.51
21 23 16 00-0076 EA 3" Electric Solenoid Gas Shut-off Valve.....	1,158.86	79.28
21 23 16 00-0077 EA Manual Reset Relay.....	391.69	103.07
21 23 16 00-0078 Liquid Tight Sealing Adapters (21 23 16 00-0001)		
21 23 16 00-0079 EA Compression Seal Adapter - 3/8" Tubing.....	27.54	4.30
21 23 16 00-0080 EA Compression Seal Adapter - 1/2" Tubing / 1/4" Pipe.....	27.54	4.71
21 23 16 00-0081 EA Compression Seal Adapter - 5/8" Tubing / 3/8" Pipe.....	32.45	5.64
21 23 16 00-0082 EA Compression Seal Adapter - 3/4" Tubing / 1/2" Pipe.....	37.00	6.05
21 23 16 00-0083 EA Compression Seal Adapter - 1/2" Electrical Metallic Tubing (EMT).....	32.45	5.64
21 23 16 00-0084 EA Quik-Seal Adapter - 3/8" NPT Female.....	27.54	4.71
21 23 16 00-0085 EA Quik-Seal Adapter - 1/2" NPT Female.....	27.54	4.71
21 23 16 00-0086 EA Quik-Seal Adapter - 3/4" NPT Female.....	45.49	8.00
21 23 16 00-0087 EA Quik-Seal Adapter - 1" NPT Female.....	60.52	10.57
21 23 16 00-0088 EA Quik-Patch For Hole Patching Up To 1-1/8" Diameter.....	27.54	4.71
21 23 16 00-0089 Pressure Operated Releasing Systems (21 23 16 00-0001)		
21 23 16 00-0090 EA KRS-100 Nitrogen Cylinder.....	197.46	30.97
21 23 16 00-0091 EA KRS-100 Actuator Assembly.....	180.52	31.59
21 23 16 00-0092 EA KRS-100 Mounting Bracket.....	126.04	7.79
21 23 16 00-0093 EA KRS-700S Nitrogen Cylinder.....	517.09	89.33
21 23 16 00-0094 EA KRS-700 Mounting Bracket.....	110.16	19.08
21 23 16 00-0095 EA KRS-700S Discharge Adapter Kit.....	157.70	19.08
21 23 16 00-0096 EA Check Valve, Pressure Operated Releasing Systems.....	151.22	13.54
21 23 16 00-0097 EA Vent Check, Pressure Operated Releasing Systems.....	50.64	8.62
21 23 16 00-0098 EA Replacement Receiver Gasket For KRS-100 Actuator Assembly.....	6.54	
21 23 16 00-0099 EA 3 Pole, Double Throw Pressure Switch.....	414.67	71.80
21 23 16 00-0100 Pyro-Chem Kitchen Fire Suppression Systems (21 23 16)		
21 23 16 00-0101 Cylinders, Kitchen Fire Suppression Systems (21 23 16 00-0100)		
21 23 16 00-0102 EA 3.0 Gallon Agent Cylinder With Valve, Kitchen Fire Suppression Systems (Pyro-Chem 551194).....	518.42	72.82
21 23 16 00-0103 EA 4.6 Gallon Agent Cylinder With Valve, Kitchen Fire Suppression Systems (Pyro-Chem 551193).....	746.81	104.92
21 23 16 00-0104 EA 6.0 Gallon Agent Cylinder With Valve, Kitchen Fire Suppression Systems (Pyro-Chem 551196).....	985.81	143.49
21 23 16 00-0105 EA Cylinder Mounting Bracket, Kitchen Fire Suppression Systems (Pyro-Chem 550053).....	108.17	17.13
21 23 16 00-0106 EA Enclosure With Mechanical Control Unit, Kitchen Fire Suppression Systems (Pyro-Chem 551208).....	711.71	112.00
21 23 16 00-0107 EA Enclosure For Secondary Cylinders, Kitchen Fire Suppression Systems (Pyro-Chem 550966).....	434.53	68.31



		Fire Suppression	21
		Fire-Extinguishing Systems	21 20
		Wet-Chemical Fire-Extinguishing Systems	21 23

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 23 16 00-0108 Fusible Links, Kitchen Fire Suppression Systems <small>(21 23 16 00-0100)</small>		
21 23 16 00-0109 EA 165 Fahrenheit, Fusible Link, Kitchen Fire Suppression Systems (Pyro-Chem 551522).....	14.04	2.25
21 23 16 00-0110 EA 212 Fahrenheit, Fusible Link, Kitchen Fire Suppression Systems (Pyro-Chem 551523).....	14.04	2.25
21 23 16 00-0111 EA 280 Fahrenheit, Fusible Link, Kitchen Fire Suppression Systems (Pyro-Chem 551524).....	14.33	2.25
21 23 16 00-0112 EA 360 Fahrenheit, Fusible Link, Kitchen Fire Suppression Systems (Pyro-Chem 551525).....	14.04	2.25
21 23 16 00-0113 EA 450 Fahrenheit, Fusible Link, Kitchen Fire Suppression Systems (Pyro-Chem 551526).....	14.04	2.25
21 23 16 00-0114 EA 500 Fahrenheit, Fusible Link, Kitchen Fire Suppression Systems (Pyro-Chem 551527).....	15.09	2.25
21 23 16 00-0115 EA Fusible Link Kit With 10" Bracket, Kitchen Fire Suppression Systems (Pyro-Chem 550131).....	24.31	3.79
21 23 16 00-0116 EA Fusible Link Kit With 8" Bracket, Kitchen Fire Suppression Systems (Pyro-Chem 550132).....	31.58	5.03
21 23 16 00-0117 EA Fusible Link Hanger, Kitchen Fire Suppression Systems (Pyro-Chem 550876).....	56.35	25.95
21 23 16 00-0118 EA 225 To 600 Fahrenheit, Electrical Thermal Detector, Kitchen Fire Suppression Systems (Pyro-Chem 13970-6).....	312.48	57.74
21 23 16 00-0119 Gas Valves, Kitchen Fire Suppression Systems <small>(21 23 16 00-0100)</small>		
21 23 16 00-0120 EA 3/4" Mechanical Gas Valve, Direct Cable Hookup, Kitchen Fire Suppression Systems (Pyro-Chem 550593).....	237.70	22.16
21 23 16 00-0121 EA 1" Mechanical Gas Valve, Direct Cable Hookup, Kitchen Fire Suppression Systems (Pyro-Chem 550594).....	272.60	27.28
21 23 16 00-0122 EA 1-1/4" Mechanical Gas Valve, Direct Cable Hookup, Kitchen Fire Suppression Systems (Pyro-Chem 550595).....	298.72	34.46
21 23 16 00-0123 EA 1-1/2" Mechanical Gas Valve, Direct Cable Hookup, Kitchen Fire Suppression Systems (Pyro-Chem 550596).....	330.11	39.59
21 23 16 00-0124 EA 2" Mechanical Gas Valve, Direct Cable Hookup, Kitchen Fire Suppression Systems (Pyro-Chem 551049).....	380.85	46.77
21 23 16 00-0125 EA 2-1/2" Mechanical Gas Valve, Direct Cable Hookup, Kitchen Fire Suppression Systems (Pyro-Chem 550185).....	850.87	68.41
21 23 16 00-0126 EA 3" Mechanical Gas Valve, Direct Cable Hookup, Kitchen Fire Suppression Systems (Pyro-Chem 550186).....	913.49	79.18
21 23 16 00-0127 EA 3/4" Electrical Gas Valve, Kitchen Fire Suppression Systems (Pyro-Chem 550358).....	190.78	22.16
21 23 16 00-0128 EA 1" Electrical Gas Valve, Kitchen Fire Suppression Systems (Pyro-Chem 550359).....	315.99	27.28
21 23 16 00-0129 EA 1-1/4" Electrical Gas Valve, Kitchen Fire Suppression Systems (Pyro-Chem 550360).....	335.07	34.46
21 23 16 00-0130 EA 1-1/2" Electrical Gas Valve, Kitchen Fire Suppression Systems (Pyro-Chem 550361).....	381.70	39.59
21 23 16 00-0131 EA 2" Electrical Gas Valve, Kitchen Fire Suppression Systems (Pyro-Chem 550362).....	521.57	46.77
21 23 16 00-0132 EA 2-1/2" Electrical Gas Valve, Kitchen Fire Suppression Systems (Pyro-Chem 550363).....	989.23	68.41
21 23 16 00-0133 EA 3" Electrical Gas Valve, Kitchen Fire Suppression Systems (Pyro-Chem 17643).....	1,049.52	79.18
21 23 16 00-0134 Nozzles, Kitchen Fire Suppression Systems <small>(21 23 16 00-0100)</small>		
21 23 16 00-0135 EA Nozzle, Kitchen Fire Suppression Systems (Pyro-Chem).....	50.03	7.59
21 23 16 00-0136 EA Swivel Nozzle, Kitchen Fire Suppression Systems (Pyro-Chem).....	70.02	9.64
21 23 16 00-0137 EA Stainless Steel Nozzle, Kitchen Fire Suppression Systems (Pyro-Chem).....	245.86	9.64
21 23 16 00-0138 Actuating Cylinders/Cartridges, Kitchen Fire Suppression Systems <small>(21 23 16 00-0100)</small>		
21 23 16 00-0139 EA Carbon Dioxide Actuation Cartridge, Kitchen Fire Suppression Systems (Pyro-Chem 551059).....	18.59	2.98
21 23 16 00-0140 EA PAC-10, Pneumatic Actuating Cylinder, Kitchen Fire Suppression Systems (Pyro-Chem 550104).....	608.96	96.31
21 23 16 00-0141 EA PAC-200, Pneumatic Actuating Cylinder, Kitchen Fire Suppression Systems (Pyro-Chem 550690).....	776.33	123.18
21 23 16 00-0142 Circuit Monitors, Kitchen Fire Suppression Systems <small>(21 23 16 00-0100)</small>		
21 23 16 00-0143 EA 24 Volt DC, System Circuit Monitor/Gas Valve Reset Relay, Kitchen Fire Suppression Systems (Pyro-Chem 550303).....	398.14	63.07
21 23 16 00-0144 EA 120 Volt AC, System Circuit Monitor/Gas Valve Reset Relay, Kitchen Fire Suppression Systems (Pyro-Chem 550302).....	480.34	76.00
21 23 16 00-0145 Control Heads, Kitchen Fire Suppression Systems <small>(21 23 16 00-0100)</small>		
21 23 16 00-0146 EA Mechanical Control Head, No Local Action, Kitchen Fire Suppression Systems (Pyro-Chem 551203).....	439.24	69.54
21 23 16 00-0147 EA Mechanical Control Head With Local Action, Kitchen Fire Suppression Systems (Pyro-Chem 551200).....	458.61	72.71
21 23 16 00-0148 EA 24 Volt DC, Electrical Control Head With Local Actuation, Kitchen Fire Suppression Systems (Pyro-Chem 551201).....	597.20	94.56
21 23 16 00-0149 EA 120 Volt AC Electrical Control Head With Local Actuation, Kitchen Fire Suppression Systems (Pyro-Chem 551202).....	685.29	108.71
21 23 16 00-0150 EA Control Head Mounting Bracket, Kitchen Fire Suppression Systems (Pyro-Chem 550853).....	55.66	8.82
21 23 16 00-0151 Corner Pulleys/Tees, Kitchen Fire Suppression Systems <small>(21 23 16 00-0100)</small>		
21 23 16 00-0152 EA Set Screw Type, Corner Pulley, Kitchen Fire Suppression Systems (Pyro-Chem 415670).....	13.27	1.44
21 23 16 00-0153 EA Compression Type, Corner Pulley, Kitchen Fire Suppression Systems (Pyro-Chem 423250).....	13.92	1.85
21 23 16 00-0154 EA Tee Pulley, Kitchen Fire Suppression Systems (Pyro-Chem 550166).....	44.62	7.08
21 23 16 00-0155 EA Replacement Screw For Corner Pulley, Kitchen Fire Suppression Systems (Pyro-Chem 550272).....	0.63	
21 23 16 00-0156 Switches, Kitchen Fire Suppression Systems <small>(21 23 16 00-0100)</small>		
21 23 16 00-0157 EA SPDT Switch, Kitchen Fire Suppression Systems (Pyro-Chem 550227).....	48.50	7.69
21 23 16 00-0158 EA DPDT Switch, Kitchen Fire Suppression Systems (Pyro-Chem 550237).....	97.13	15.28
21 23 16 00-0159 EA Four Pole Double Throw Switch, Kitchen Fire Suppression Systems (Pyro-Chem 550978).....	205.54	32.41
21 23 16 00-0160 Wire Rope/Accessories, Kitchen Fire Suppression Systems <small>(21 23 16 00-0100)</small>		
21 23 16 00-0161 LF 1/16" Diameter Stainless Steel Wire Rope, Kitchen Fire Suppression Systems (Pyro-Chem 15821).....	1.08	0.31
21 23 16 00-0162 EA Crimps For 1/16" Diameter Stainless Steel Wire Rope, Kitchen Fire Suppression Systems (Pyro-Chem 550122).....	0.76	0.31
21 23 16 00-0163 EA High Temperature Stainless Steel Crimps, Kitchen Fire Suppression Systems (Pyro-Chem 551551).....	2.40	0.41
21 23 16 00-0164 EA "S" Hooks, Kitchen Fire Suppression Systems (Pyro-Chem 550121).....	0.51	

21 Fire Suppression**21 20 Fire-Extinguishing Systems****21 23 Wet-Chemical Fire-Extinguishing Systems**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 23 16 00-0165			Replacement Parts, Kitchen Fire Suppression Systems (21 23 16 00-0100)		
21 23 16 00-0166	EA		Wet Valve Rebuilding Kit, Kitchen Fire Suppression Systems (Pyro-Chem 550698).....	46.17	7.39
21 23 16 00-0167	EA		Wet Valve Cap With Schrader Valve, Kitchen Fire Suppression Systems (Pyro-Chem 550831)	48.16	7.69
21 23 16 00-0168	EA		Wet Spring, Kitchen Fire Suppression Systems (Pyro-Chem 550705)	5.63	0.92
21 23 16 00-0169	EA		225 psi, Wet Gage, Kitchen Fire Suppression Systems (Pyro-Chem 551236)	65.78	10.05
21 23 16 00-0170	EA		Wet Valve O-ring, Kitchen Fire Suppression Systems (Pyro-Chem 550716).....	9.28	1.44
21 23 16 00-0171	EA		Wet Piston, Kitchen Fire Suppression Systems (Pyro-Chem 550707).....	12.92	2.05
21 23 16 00-0172	EA		Wet Piston O-Ring, Kitchen Fire Suppression Systems (Pyro-Chem 550715)	5.63	0.92
21 23 16 00-0173	EA		Wet Nozzle Cap, Kitchen Fire Suppression Systems (Pyro-Chem 551528).....	7.95	1.23
21 23 16 00-0174	EA		Wet Nozzle Strainer, Kitchen Fire Suppression Systems (Pyro-Chem 551529)	7.77	1.23
21 23 16 00-0175	EA		Wet Nozzle Cap O-Ring, Kitchen Fire Suppression Systems (Pyro-Chem 551530).....	2.21	0.31
21 23 16 00-0176	EA		Replacement Teflon Washer For Control Head Actuator, Kitchen Fire Suppression Systems (Pyro-Chem 550257)	3.76	
21 23 16 00-0177	EA		O-Ring Lubrication, Kitchen Fire Suppression Systems (Pyro-Chem 550063).....	72.00	
21 23 16 00-0178	EA		3.0 Gallon Empty Test Tank, Kitchen Fire Suppression Systems (Pyro-Chem 551024).....	480.90	
21 23 16 00-0179	EA		4.6 Gallon Empty Test Tank, Kitchen Fire Suppression Systems (Pyro-Chem 550902).....	628.92	
21 23 16 00-0180	EA		6.0 Gallon Empty Test Tank, Kitchen Fire Suppression Systems (Pyro-Chem 550901).....	728.76	
21 23 16 00-0181			Accessories, Kitchen Fire Suppression Systems (21 23 16 00-0100)		
21 23 16 00-0182	EA		3/8" Quickseal Adapter, Kitchen Fire Suppression Systems (Pyro-Chem 550857)	22.54	3.49
21 23 16 00-0183	EA		1/2" Quickseal Adapter, Kitchen Fire Suppression Systems (Pyro-Chem 550859)	23.37	3.69
21 23 16 00-0184	EA		Wet Valve Tool, Kitchen Fire Suppression Systems (Pyro-Chem 550788).....	44.98	7.08
21 23 16 00-0185	EA		Recharge Adapter Kit, Kitchen Fire Suppression Systems (Pyro-Chem 551240).....	63.67	
21 23 16 00-0186	EA		3.0 Gallon Of Wet Chemical For Recharge, Kitchen Fire Suppression Systems (Pyro-Chem 551188).....	136.81	
21 23 16 00-0187			Pull Stations/Accessories, Kitchen Fire Suppression Systems (21 23 16 00-0100)		
21 23 16 00-0188	EA		Mechanical, Remote Pull Station, Kitchen Fire Suppression Systems (Pyro-Chem 551074)	91.01	14.47
21 23 16 00-0189	EA		Electric, Remote Pull Station, Kitchen Fire Suppression Systems (Pyro-Chem 551166).....	101.63	20.31
21 23 16 00-0190	EA		Trim Ring For Flush Mounting Remote Pull Station, Kitchen Fire Suppression Systems (Pyro-Chem 550088)	24.31	3.79
21 23 16 00-0191	EA		Glass Rods For Pull Stations, Kitchen Fire Suppression Systems (Pyro-Chem 428661)	3.93	1.34
21 23 16 00-0192			Asco Gas Valve Control Panels (21 23 16)		
21 23 16 00-0193	EA		Relay Control Panel For AC Solenoid Valves (Asco 108D90C).....	1,476.71	225.64
21 23 16 00-0194	EA		Relay Control Panel For DC Solenoid Valves (Asco 108D10C)	1,519.28	225.64
21 23 16 00-0195	EA		Master Control Station For Relay Control Panel For DC Solenoid Valves (Asco 216C89)	474.95	51.28
21 23 16 00-0196	EA		Emergency Stop Station For Relay Control Panel (Asco 173A19).....	447.14	51.28
21 24			Dry-Chemical Fire-Extinguishing Systems (21 20)		
21 24 16			Dry-Chemical Fire-Extinguishing Equipment (21 24)		
21 24 16 00-0001			Amerex KP Restaurant Fire Suppression Systems (21 24 16)		
			Note: Amerex or equal.		
21 24 16 00-0002	EA		Agent Cylinder Assembly 3.75 Gallon (With Discharge Valve) Charged	368.83	79.59
21 24 16 00-0003	EA		Agent Cylinder Assembly 6 Gallon (With Discharge Valve) Charged	503.59	100.40
21 24 16 00-0004	EA		Recharge - KP Liquid Agent (3.75 Gallon).....	119.59	
21 24 16 00-0005	EA		Recharge - KP Liquid Agent (6 Gallon)	210.24	
21 24 16 00-0006	EA		Bracket Assembly Agent Cylinder 3.75 Gallon (With Distribution Hose Assembly And Distribution Outlet).....	83.71	16.71
21 24 16 00-0007	EA		Bracket Assembly Agent Cylinder 6 Gallon	48.76	9.70
21 24 16 00-0008	EA		Discharge Adapter Kit 3/4 NPT - Agent Cylinder 6 Gallon	21.15	
21 24 16 00-0009	EA		Pneumatic Actuator - Agent Cylinder 6 Gallon	83.71	16.71
21 24 16 00-0010	EA		Actuator - MRM (Less N2 Cylinder And Enclosure).....	210.24	41.90
21 24 16 00-0011	EA		Enclosure - MRM, Painted Steel	112.05	22.29
21 24 16 00-0012	EA		Enclosure - MRM, Stainless Steel.....	131.74	22.29
21 24 16 00-0013	EA		Cabinet, Stainless Steel (Single Cylinder System).....	333.63	66.53
21 24 16 00-0014	EA		Actuation Hose - (N2 - 1/4" x 16").....	25.18	5.01
21 24 16 00-0015	EA		Cylinder, Nitrogen - 10 CU. In. (Use For 1-10 Agent Cylinders)	112.05	22.29
21 24 16 00-0016	EA		Vent Check	20.15	4.01
21 24 16 00-0017	EA		Detector	15.11	3.00
			Note: Includes bracket, linkage and conduit fittings.		
21 24 16 00-0018	EA		Fusible Link - 280 To 450 Degree F.....	5.67	1.12
21 24 16 00-0019	EA		Test Link	2.60	
21 24 16 00-0020	EA		Corner Pulley	7.81	1.56
21 24 16 00-0021	EA		Cable, 1/16" - 500 Foot Spool.....	125.89	25.07
21 24 16 00-0022	EA		Pulley Tee.....	56.64	11.26
21 24 16 00-0023	EA		Manual Pull Station (Standard)	50.36	10.03
21 24 16 00-0024	EA		Adapter Kit - Manual Pull Station (Recess Standard Pull Station)	23.64	4.68
21 24 16 00-0025	EA		Manual Pull Station (Oversized).....	56.14	11.14
21 24 16 00-0026	EA		Conduit Offset.....	11.20	2.23
21 24 16 00-0027	EA		Seal - 3/8" Pipe Thread (Quick-Seal)	15.45	3.12
21 24 16 00-0028	EA		Seal - 1/2" Pipe Thread (Quick-Seal).....	12.58	2.56
21 24 16 00-0029	EA		3/8" Pipe Compression Seal	21.03	4.23
21 24 16 00-0030	EA		1/2" Pipe Compression Seal	21.03	4.23
21 24 16 00-0031	EA		Cap, Nozzle Blow-Off (Standard).....	7.66	2.89
21 24 16 00-0032	EA		Cap, Nozzle Blow-Off (High Temperature)	14.10	2.89
21 24 16 00-0033	EA		Nozzle - Fryer, Griddle - 2 Flow Points Each	25.17	5.01
21 24 16 00-0034	EA		Nozzle - Appliance, Plenum - 1 Flow Points Each.....	25.17	5.01



Fire Suppression	21
Fire-Extinguishing Systems	21 20
Dry-Chemical Fire-Extinguishing Systems	21 24

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 24 16 00-0035 EA Nozzle - Solid Fuel Charbroiler - 1 To 1-1/2 Flow Points Each.....	25.17	5.01
21 24 16 00-0036 EA Nozzle - Upright Charbroiler - 1/2 Flow Points Each.....	25.17	5.01
21 24 16 00-0037 EA Nozzle - Duct (Only) - 2 Flow Points Each.....	25.17	5.01
21 24 16 00-0038 EA Nozzle - Four Burner Range - 2 Flow Points Each.....	36.22	7.25
21 24 16 00-0039 EA Gas Valve - Mechanical - 3/4" Or 1".....	190.06	29.53
21 24 16 00-0040 EA Gas Valve - Mechanical - 1-1/4" Or 1-1/2".....	231.95	42.90
21 24 16 00-0041 EA Gas Valve - Mechanical - 2".....	286.17	50.70
21 24 16 00-0042 EA Manual Reset Relay (Required With Every Electric Gas Valve).....	317.24	63.18
21 24 16 00-0043 EA SPDT Microswitch With 18" Leads.....	16.70	3.35
21 24 16 00-0044 EA Kit Gas Valve Actuator For Use With ASCO Mechanical Gas Valve.....	26.93	5.35
21 24 16 00-0045 EA Gas Valve Trip Assembly.....	56.65	11.26
21 24 16 00-0046 Range Guard Fire Suppression Systems (2124 16)		
Note: Range Guard or equal.		
21 24 16 00-0047 EA 1-1/4 Gallon Charged Cylinder With Valve.....	393.15	86.05
21 24 16 00-0048 EA 2-1/2 Gallon Charged Cylinder With Valve.....	490.76	107.39
21 24 16 00-0049 EA 4 Gallon Charged Cylinder With Valve.....	605.87	132.61
21 24 16 00-0050 EA 6 Gallon Charged Cylinder With Valve.....	719.64	157.43
21 24 16 00-0051 EA Vent Plug.....	16.53	3.59
21 24 16 00-0052 EA Discharge Adapter Kit.....	21.27	
21 24 16 00-0053 EA 1-1/4 Gallon Wall Bracket.....	43.76	9.54
21 24 16 00-0054 EA 2-1/2 Gallon Wall Bracket.....	46.32	10.15
21 24 16 00-0055 EA 4 Gallon Wall Bracket.....	87.48	19.18
21 24 16 00-0056 EA 6 Gallon Wall Bracket.....	96.94	21.23
21 24 16 00-0057 EA Mechanical Control Head, No Microswitch.....	341.99	74.87
21 24 16 00-0058 EA Mechanical Control Head, 1 Microswitch.....	356.79	78.05
21 24 16 00-0059 EA Mechanical Control Head, 2 Microswitches.....	409.30	89.54
21 24 16 00-0060 EA Tandem Control Head.....	311.02	68.10
21 24 16 00-0061 EA Electric Control Head, 120 Volt AC / 24 Volt DC.....	526.44	115.18
21 24 16 00-0062 EA Mechanical Control Box.....	234.27	51.28
21 24 16 00-0063 EA Tandem Control Box.....	234.27	51.28
21 24 16 00-0064 EA Mechanical Control Box Adapter.....	68.67	15.08
21 24 16 00-0065 EA A+ Control head With 1 Pressure Operated Actuator.....	206.37	45.13
21 24 16 00-0066 EA Pressure Operated Actuator.....	84.82	18.57
21 24 16 00-0067 EA BMCS-1 Nitrogen Cylinder.....	137.33	30.05
21 24 16 00-0068 EA BMCS-1 Actuator Assembly.....	140.02	30.66
21 24 16 00-0069 EA BMCS-1 Mounting Bracket.....	34.33	7.49
21 24 16 00-0070 EA BMCS-7 Nitrogen Cylinder.....	396.26	86.67
21 24 16 00-0071 EA BMCS-7 Mounting Bracket.....	84.82	18.57
21 24 16 00-0072 EA BMCS-7 Discharge Adapter Kit.....	84.82	18.57
21 24 16 00-0073 EA Check Valve.....	77.73	22.05
21 24 16 00-0074 EA Vent Check For Use With BMCS Systems.....	38.37	8.41
21 24 16 00-0075 EA Check Valve, (Schrader Flare Fitting) For Pressure Operated Actuator.....	16.70	3.65
21 24 16 00-0076 EA Replacement Receiver Gasket For BMCS-Actuator Assembly.....	4.40	
21 24 16 00-0077 EA Pneumatic Control Head For Slave Cylinders.....	87.52	19.18
21 24 16 00-0078 EA Nozzles; ADP, F, R And GRW.....	40.12	8.82
21 24 16 00-0079 EA Nozzles; DM And LPF.....	44.70	9.74
21 24 16 00-0080 EA Swivel Adapter.....	28.28	6.15
21 24 16 00-0081 EA Corner Pulley.....	12.11	2.66
21 24 16 00-0082 LF 1/16" Stainless Steel Cable.....	0.68	0.31
21 24 16 00-0083 EA Cable Crimp Sleeve.....	0.80	0.31
21 24 16 00-0084 EA "S" Hook.....	0.57	0.20
21 24 16 00-0085 EA Electrical Metallic Tubing (EMT) Adapter, 1/2" Electrical Metallic Tubing (EMT) x 3/8" NPT.....	41.71	9.13
21 24 16 00-0086 EA Cable Clamp.....	3.73	0.82
21 24 16 00-0087 EA Nico Sleeves - 1/16" Cable.....	0.56	0.20
21 24 16 00-0088 EA 3/8" Cable Anchor.....	44.09	9.64
21 24 16 00-0089 EA 1/2" Cable Anchor.....	44.09	9.64
21 24 16 00-0090 EA Mechanical Remote Manual Release (Pull Cable).....	71.29	15.59
21 24 16 00-0091 EA Tee Pulley, Use For Mechanical Pull And Gas Valve.....	76.11	16.62
21 24 16 00-0092 EA Surface Remote Manual Release, End-of-line.....	89.15	19.48
21 24 16 00-0093 EA Surface Remote Manual Release, In line Conservation Kit.....	27.94	6.15
21 24 16 00-0094 EA Surface Remote Manual Release, In line And End Of Line.....	117.04	25.53
21 24 16 00-0095 EA Recessed Remote Manual Release, End-of-line.....	89.15	19.48
21 24 16 00-0096 EA Recessed Remote Manual Release, In Line Kit.....	106.27	23.28
21 24 16 00-0097 EA Pulley Tee, Remote In Line Only.....	19.10	4.20
21 24 16 00-0098 EA Fusible Link Housing Kit With 1 - Bracket, 2 - 1/2" Electrical Metallic Tubing (EMT) Connector, 1 - "S" Hook, 8 - Cable Crimp Sleeve.....	21.22	4.61
21 24 16 00-0099 EA Fusible Link 165F To 360F.....	6.96	1.54
21 24 16 00-0100 EA Fusible Link 500F.....	10.10	1.54
21 24 16 00-0101 EA Standard Detector With 1 - 360F link, 2 - "S" Hooks, 2 - Crimp Sleeves.....	21.22	4.61
21 24 16 00-0102 EA Standard Detector Kit With 1 - Large Bracket, 2 - "S" Hooks, 2 - Cable Crimp Sleeve.....	16.86	4.61
21 24 16 00-0103 EA Quartzoid Link 400 F.....	114.34	25.02
21 24 16 00-0104 EA Quartzoid Link 500 F.....	114.34	25.02
21 24 16 00-0105 EA SPDT Micro Switch For Use With A Plus Control Box.....	40.99	8.93
21 24 16 00-0106 EA DPDT Micro Switch For Use With A Plus Control Box.....	71.29	15.59
21 24 16 00-0107 EA SPDT Micro Switch For Use With A Mechanical Control Box.....	42.38	9.23
21 24 16 00-0108 EA DPDT Micro Switch For Use With A Mechanical Control Box.....	73.45	16.10
21 24 16 00-0109 EA SPDT Micro Switch For Use With PRCB.....	53.81	11.79
21 24 16 00-0110 EA DPDT Micro Switch For Use With PRCB.....	77.62	16.92
21 24 16 00-0111 EA Pressure Switch, SPDT (Fire Dept. Tie In).....	227.35	49.74

21 Fire Suppression**21 20 Fire-Extinguishing Systems****21 24 Dry-Chemical Fire-Extinguishing Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 24 16 00-0112	EA		Circuit Monitor 12 Or 24 Volt DC.....	102.25	22.36
21 24 16 00-0113	EA		Circuit Monitor 120 Volt AC.....	102.25	22.36
21 24 16 00-0114	EA		Electric Manual Pull Station	74.66	16.31
21 24 16 00-0115	EA		6", 24 Volt DC, Motor Bell	41.70	9.13
21 24 16 00-0116	EA		10", 115 Volt AC Motor Bell	59.20	12.92
21 24 16 00-0117	EA		Fuse, 1.2 For ECH	4.81	1.03
21 24 16 00-0118	EA		Indicator Lamp 12 Or 24 Volt DC.....	21.22	4.61
21 24 16 00-0119	EA		Indicator Lamp 120 Volt AC	21.22	4.61
21 24 16 00-0120	EA		B-10 Manual Station Dual Action, SPDT.....	78.03	17.03
21 24 16 00-0121	EA		B-11 Manual Station Dual Action, DPDT	86.10	18.87
21 24 16 00-0122	EA		Break Rods For B10/B11 Manual Pull Station	3.07	1.34
21 24 16 00-0123	EA		Spare Key For B10/B11 Manual Stations	10.76	2.36
21 24 16 00-0124	EA		MT-24-LSM-VAR Multitone Signal With 15/75cd Strobe, 24 Volt, Flush Grill	115.70	25.33
21 24 16 00-0125	EA		Suppression Abort Station	122.42	26.77
21 24 16 00-0126	EA		Suppression Abort Station With Surface Mount Back Box.....	142.60	31.17
21 24 16 00-0127	EA		Surface Mount Back Box	47.08	10.25
21 24 16 00-0128	EA		Single Hazard Control Unit, 120 Volt AC IP	874.42	191.08
21 24 16 00-0129	EA		Single Hazard Control Unit, 240 Volt AC IP	874.42	191.08
21 24 16 00-0130	EA		1 Lead Acid Battery; 24 Volt DC, 1.2 A.H.	72.65	15.89
21 24 16 00-0131	EA		Accessory Kit - End-of-line Resistors (10K Ohms, 1/2 W)	2.92	0.71
21 24 16 00-0132	EA		Spare Scorpio Circuit Board	632.21	
21 24 16 00-0133	EA		Extra Scorpio Key	10.76	
21 24 16 00-0134	EA		Extra Scorpio Manual.....	6.73	
21 24 16 00-0135	EA		Compression Seal Adapter 3/8" Pipe.....	18.29	4.00
21 24 16 00-0136	EA		Compression Seal Adapter 1/2" Tubing/ 1/4" Pipe.....	19.88	4.30
21 24 16 00-0137	EA		Compression Seal Adapter 5/8" Tubing/ 3/8" Pipe.....	23.91	5.23
21 24 16 00-0138	EA		Compression Seal Adapter 3/4" Tubing/ 1/2" Pipe.....	25.56	5.54
21 24 16 00-0139	EA		Quik Seal Adapter 3/8" NPT Female	19.88	4.30
21 24 16 00-0140	EA		Quik Seal Adapter 1/2" NPT Female	19.88	4.30
21 24 16 00-0141	EA		Quik Seal Adapter 3/4" NPT Female	34.00	7.49
21 24 16 00-0142	EA		Quik Seal Adapter 1" NPT Female	45.06	9.84
21 24 16 00-0143	EA		Quik Patch (Up To 1-1/8" Diameter)	19.88	4.30
21 24 16 00-0144	EA		1-1/4 Gallon Karbaloy Charge	44.21	
21 24 16 00-0145	EA		2-1/2 Gallon Karbaloy Charge	76.00	
21 24 16 00-0146	EA		4 Gallon Karbaloy Charge.....	114.87	
21 24 16 00-0147	EA		6 Gallon Karbaloy Charge.....	168.10	
21 24 16 00-0148	EA		Inlet Flushing Adapter.....	32.96	7.18
21 24 16 00-0149	EA		1/2" Flushing Adapter (Outlet).....	32.96	7.18
21 24 16 00-0150	EA		1/8" Flushing Adapter (Outlet).....	32.96	7.18
21 24 16 00-0151	EA		1/4" Flushing Adapter (Outlet).....	32.96	7.18
21 24 16 00-0152	EA		3/8" Flushing Adapter (Outlet).....	32.96	7.18
21 24 16 00-0153	EA		Recharge Adapter (Old Style Cylinder Valve Assembly Only)	45.73	
21 24 16 00-0154	EA		Instruction Label (In Case Of Fire) - MCB	3.83	
21 24 16 00-0155	EA		Caution Sign (Turn On Fan).....	4.40	
21 24 16 00-0156	EA		Inspection Label (Authorized installers only).....	3.38	
21 24 16 00-0157	EA		Label, Warning, A+ Control Box.....	2.70	
21 24 16 00-0158	EA		Wet Chemical System Kits, RG-1.25G Kit; #23315	578.41	126.46
21 24 16 00-0159	EA		Wet Chemical System Kits, RG-2.5G Kit; #23316	675.28	147.59
21 24 16 00-0160	EA		Wet Chemical System Kits, RG-4GS Kit; #23317	840.76	183.79
21 24 16 00-0161	EA		Wet Chemical System Kits, RG-4GT Kit; #23318	840.76	183.79
21 24 16 00-0162	EA		Wet Chemical System Kits, RG-6G Kit; #23319	1,057.31	231.08
21 24 16 00-0163	EA		Wet Chemical System Kits, RG Mechanical Control HD (MCH) Kit; #23320	501.08	109.54
21 24 16 00-0164	EA		Wet Chemical System Kits, RG Mechanical Control Box (MCB) Kit; #23321	470.80	102.87
21 24 16 00-0165	EA		Wet Chemical System Kits, A Plus Control Box Kit; #23322	380.68	83.18
21 24 16 00-0166	EA		Wet Chemical System Kits, Valve Rebuild Kit; #23210	659.13	144.10
21 24 16 00-0167	EA		Wet Chemical System Kits, BMCS-1 Package; #23208	603.96	132.00

21 30 Fire Pumps (21)**21 31 Centrifugal Fire Pumps (21 30)****21 31 13 Electric-Drive, Centrifugal Fire Pumps (21 31)****21 31 13 00-0001 Electric-Drive Fire Pumps (21 31 13)**

Note: Includes fire pump, motor, motor starter, alarm panel, automatic transfer switch, and controller.

21 31 13 00-0002	EA		20 HP Electric Fire Pump.....	31,910.85	1,958.69
			<i>For Duplex Pumping System, Add</i>	<i>29,952.16</i>	
21 31 13 00-0003	EA		30 HP Electric Fire Pump.....	37,029.85	2,203.53
			<i>For Duplex Pumping System, Add</i>	<i>34,989.55</i>	
21 31 13 00-0004	EA		40 HP Electric Fire Pump.....	50,073.60	2,448.37
			<i>For Duplex Pumping System, Add</i>	<i>47,806.60</i>	
21 31 13 00-0005	EA		50 HP Electric Fire Pump.....	61,635.66	2,690.44
			<i>For Duplex Pumping System, Add</i>	<i>58,945.23</i>	
21 31 13 00-0006	EA		75 HP Electric Fire Pump.....	68,754.86	2,935.02
			<i>For Duplex Pumping System, Add</i>	<i>65,819.85</i>	

21 31 16 Diesel-Drive, Centrifugal Fire Pumps (21 31)



Fire Suppression	21	21
Fire Pumps	21 30	
Centrifugal Fire Pumps	21 31	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 31 16 00-0001 Diesel-Drive Fire Pumps <small>(21 31 16)</small>		
<small>Note: Pumps shall be stand alone units meeting NFPA-20 specs. Includes fire pump, motor, motor starter, alarm panel, and controller.</small>		
21 31 16 00-0002 EA 30 HP Diesel Driven Fire Pump, NFPA-20 Specific.....	46,402.33	2,201.26
21 31 16 00-0003 EA 40 HP Diesel Driven Fire Pump, NFPA-20 Specific.....	52,459.57	2,445.85
21 31 16 00-0004 EA 50 HP Diesel Driven Fire Pump, NFPA-20 Specific.....	55,206.36	2,690.44
21 31 16 00-0005 EA 75 HP Diesel Driven Fire Pump, NFPA-20 Specific.....	62,733.03	2,935.02
21 31 16 00-0006 EA 150 HP Diesel Driven Fire Pump, NFPA-20 Specific.....	66,807.95	3,424.18
21 31 16 00-0007 EA 175 HP Diesel Driven Fire Pump, NFPA-20 Specific.....	72,424.05	4,402.53
21 31 16 00-0008 EA 200 HP Diesel Driven Fire Pump, NFPA-20 Specific.....	78,694.60	4,891.70
21 31 16 00-0009 EA 250 HP Diesel Driven Fire Pump, NFPA-20 Specific.....	89,973.17	5,576.53
21 31 16 00-0010 EA 300 HP Diesel Driven Fire Pump, NFPA-20 Specific.....	107,293.29	6,016.78
21 31 16 00-0011 EA 350 HP Diesel Driven Fire Pump, NFPA-20 Specific.....	125,733.55	6,848.38
21 31 16 00-0012 EA 400 HP Diesel Driven Fire Pump, NFPA-20 Specific.....	148,669.09	7,337.55
21 31 16 00-0013 EA 500 HP Diesel Driven Fire Pump, NFPA-20 Specific.....	167,100.43	7,826.71
21 31 16 00-0014 Electric Controllers For Fire Pumps <small>(21 31 16)</small>		
21 31 16 00-0015 Wye-Delta (Star-Delta), Closed Transition Electric Fire Pump Controller <small>(21 31 16 00-0014)</small>		
21 31 16 00-0016 EA 30 HP Wye-Delta (Star-Delta), Closed Transition Electric Fire Pump Controller With Automatic Transfer Switch	17,240.17	220.12
21 31 16 00-0017 EA 40 HP Wye-Delta (Star-Delta), Closed Transition Electric Fire Pump Controller With Automatic Transfer Switch	19,516.32	244.59
21 31 16 00-0018 EA 50 HP Wye-Delta (Star-Delta), Closed Transition Electric Fire Pump Controller With Automatic Transfer Switch	20,468.29	269.05
21 31 16 00-0019 EA 75 HP Wye-Delta (Star-Delta), Closed Transition Electric Fire Pump Controller With Automatic Transfer Switch	23,332.21	293.50
21 31 16 00-0020 EA 150 HP Wye-Delta (Star-Delta), Closed Transition Electric Fire Pump Controller With Automatic Transfer Switch	24,668.63	342.42
21 31 16 00-0021 EA 175 HP Wye-Delta (Star-Delta), Closed Transition Electric Fire Pump Controller With Automatic Transfer Switch	26,328.11	440.25
21 31 16 00-0022 EA 200 HP Wye-Delta (Star-Delta), Closed Transition Electric Fire Pump Controller With Automatic Transfer Switch	28,542.82	489.17
21 31 16 00-0023 EA 250 HP Wye-Delta (Star-Delta), Closed Transition Electric Fire Pump Controller With Automatic Transfer Switch	32,643.31	557.66
21 31 16 00-0024 EA 300 HP Wye-Delta (Star-Delta), Closed Transition Electric Fire Pump Controller With Automatic Transfer Switch	39,307.20	601.68
21 31 16 00-0025 EA 350 HP Wye-Delta (Star-Delta), Closed Transition Electric Fire Pump Controller With Automatic Transfer Switch	46,184.48	684.83
21 31 16 00-0026 EA 400 HP Wye-Delta (Star-Delta), Closed Transition Electric Fire Pump Controller With Automatic Transfer Switch	55,065.11	733.76
21 31 16 00-0027 EA 500 HP Wye-Delta (Star-Delta), Closed Transition Electric Fire Pump Controller With Automatic Transfer Switch	62,144.14	782.67

END OF SECTION 21

21	21	Fire Suppression
	21 30	Fire Pumps
	21 31	Centrifugal Fire Pumps



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

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MINOR	CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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22 Plumbing

Note: Where required, mechanical equipment excludes electrical connection unless title states otherwise.

22 01 Operation and Maintenance of Plumbing⁽²²⁾

22 01 10 Operation And Maintenance Of Plumbing Piping And Pumps^(22 01)

See CSI section 23 01 20 00-0000 for purging of pipes and shutdown.

22 01 10 61 Plumbing Piping Repairs^(22 01 10)

22 01 10 61-0001 Pipe Repair Clamps^(22 01 10 61)

22 01 10 61-0002	EA	1/2" Diameter x 3" Stainless Steel Pipe Repair Clamp, Single Bolt Note: Includes neoprene gasket	28.89
22 01 10 61-0003	EA	3/4" Diameter x 3" Stainless Steel Pipe Repair Clamp, Single Bolt Note: Includes neoprene gasket	30.56
22 01 10 61-0004	EA	1" Diameter x 3" Stainless Steel Pipe Repair Clamp, Single Bolt Note: Includes neoprene gasket	33.68
22 01 10 61-0005	EA	1-1/4" Diameter x 3" Stainless Steel Pipe Repair Clamp, Single Bolt Note: Includes neoprene gasket	36.19
22 01 10 61-0006	EA	1-1/2" Diameter x 3" Stainless Steel Pipe Repair Clamp, Single Bolt Note: Includes neoprene gasket	39.62
22 01 10 61-0007	EA	2" Diameter x 3" Stainless Steel Pipe Repair Clamp, Single Bolt Note: Includes neoprene gasket	50.94
22 01 10 61-0008	EA	2-1/2" Diameter x 3" Stainless Steel Pipe Repair Clamp, Single Bolt Note: Includes neoprene gasket	67.03
22 01 10 61-0009	EA	3" Diameter x 3" Stainless Steel Pipe Repair Clamp, Single Bolt Note: Includes neoprene gasket	79.42
22 01 10 61-0010	EA	4" Diameter x 3" Stainless Steel Pipe Repair Clamp, Single Bolt Note: Includes neoprene gasket	91.48
22 01 10 61-0011	EA	1/2" Diameter x 6" Stainless Steel Pipe Repair Clamp, Double Bolt Note: Includes neoprene gasket	44.64
22 01 10 61-0012	EA	3/4" Diameter x 6" Stainless Steel Pipe Repair Clamp, Double Bolt Note: Includes neoprene gasket	47.13
22 01 10 61-0013	EA	1" Diameter x 6" Stainless Steel Pipe Repair Clamp, Double Bolt Note: Includes neoprene gasket	52.21
22 01 10 61-0014	EA	1-1/4" Diameter x 6" Stainless Steel Pipe Repair Clamp, Double Bolt Note: Includes neoprene gasket	57.38
22 01 10 61-0015	EA	1-1/2" Diameter x 6" Stainless Steel Pipe Repair Clamp, Double Bolt Note: Includes neoprene gasket	63.63
22 01 10 61-0016	EA	2" Diameter x 6" Stainless Steel Pipe Repair Clamp, Double Bolt Note: Includes neoprene gasket	82.53
22 01 10 61-0017	EA	2-1/2" Diameter x 6" Stainless Steel Pipe Repair Clamp, Double Bolt Note: Includes neoprene gasket	104.07
22 01 10 61-0018	EA	3" Diameter x 6" Stainless Steel Pipe Repair Clamp, Double Bolt Note: Includes neoprene gasket	121.16
22 01 10 61-0019	EA	4" Diameter x 6" Stainless Steel Pipe Repair Clamp, Double Bolt Note: Includes neoprene gasket	138.37
22 01 10 61-0020	EA	1/2" Diameter x 9" Stainless Steel Pipe Repair Clamp, Three Bolt Note: Includes Buna rubber gasket	61.44
22 01 10 61-0021	EA	3/4" Diameter x 9" Stainless Steel Pipe Repair Clamp, Three Bolt Note: Includes Buna rubber gasket	64.76
22 01 10 61-0022	EA	1" Diameter x 9" Stainless Steel Pipe Repair Clamp, Three Bolt Note: Includes Buna rubber gasket	71.63
22 01 10 61-0023	EA	1-1/4" Diameter x 9" Stainless Steel Pipe Repair Clamp, Three Bolt Note: Includes Buna rubber gasket	78.60
22 01 10 61-0024	EA	1-1/2" Diameter x 9" Stainless Steel Pipe Repair Clamp, Three Bolt Note: Includes Buna rubber gasket	88.85
22 01 10 61-0025	EA	2" Diameter x 9" Stainless Steel Pipe Repair Clamp, Three Bolt Note: Includes Buna rubber gasket	110.15
22 01 10 61-0026	EA	2-1/2" Diameter x 9" Stainless Steel Pipe Repair Clamp, Three Bolt Note: Includes Buna rubber gasket	135.07
22 01 10 61-0027	EA	3" Diameter x 9" Stainless Steel Pipe Repair Clamp, Three Bolt Note: Includes Buna rubber gasket	164.08
22 01 10 61-0028	EA	4" Diameter x 9" Stainless Steel Pipe Repair Clamp, Three Bolt Note: Includes Buna rubber gasket	199.71
22 01 10 61-0029	EA	5" Diameter x 9" Stainless Steel Pipe Repair Clamp, Three Bolt Note: Includes Buna rubber gasket	206.20
22 01 10 61-0030	EA	6" Diameter x 9" Stainless Steel Pipe Repair Clamp, Three Bolt Note: Includes Buna rubber gasket	220.44

22 01 40 Operation and Maintenance of Plumbing Fixtures^(22 01)

22 01 40 81 Plumbing Fixtures Replacement^(22 01 40)

22 01 40 81-0001 Fixture And/Or Trim Replacement^(22 01 40 81)

Note: Includes removal of existing item(s) and installation of new item(s). See CSI section 22 42 00 00-0000 for faucet replacement installation and demolition prices.

22 01 40 81-0002	EA	3/8" To 1/2" Compression Shut-off Valve Replacement With 15" Polybutylene Supply Tube	57.25
22 01 40 81-0003	EA	3/8" Compression x 1/2" FIP, Braided Stainless Steel, Supply Lines To Sink/Lavatory Replacement	18.72
22 01 40 81-0004	EA	Chrome Supply Lines To Sink/Lavatory Replacement, Pair	27.69

22 Plumbing**22 01 Operation and Maintenance of Plumbing****22 01 40 Operation and Maintenance of Plumbing Fixtures**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 01 40 81-0005 EA Single Bowl Sink/Lavatory Drain Line Replacement	38.83	
22 01 40 81-0006 EA Double Bowl Sink/Lavatory Drain Line Replacement.....	60.21	
22 01 40 81-0007 EA Shower Head, Polished Chrome, Replacement.....	38.13	
22 01 40 81-0008 EA Shower Arm Replacement	33.49	
22 01 40 81-0009 EA Shower Head Replacement	36.88	
22 01 40 81-0010 EA Shower Knob Replacement	31.68	
22 01 40 81-0011 EA Shower and Tub Control Trim Replacement	85.31	
Note: Excludes balancing valve.		
22 01 40 81-0012 EA Sink Basket Strainer Replacement	18.82	
22 01 40 81-0013 EA Sink Drain Without Stopper, 1-1/2" Replacement	11.64	
22 01 40 81-0014 EA Sink Drain Without Stopper, 4-1/2" Replacement	12.06	
22 01 40 81-0015 EA Sink Drain With Stopper, 1-1/2" Replacement	11.64	
22 01 40 81-0016 EA 1" Sink Rubber Stopper Replacement	8.82	
22 01 40 81-0017 EA Sink Tailpiece Extension 1-1/2" x 8" Replacement	24.04	
22 01 40 81-0018 EA Sink Trap, Adjustable, 1-1/2" Replacement	35.57	
22 01 40 81-0019 EA Lavatory Pop-Up Rod Replacement	23.48	
22 01 40 81-0020 EA Lavatory Pop-up Drain Stopper Replacement	28.77	
22 01 40 81-0021 EA Faucet Handle Replacement	30.04	
22 01 40 81-0022 EA Faucet O-Ring Replacement	24.61	
22 01 40 81-0023 EA 1-1/2" Faucet Hole Cover	15.68	
22 01 40 81-0024 EA Toilet Ballcock Replacement.....	36.36	
22 01 40 81-0025 EA Toilet Bowl Ring, Flat Wax, Replacement.....	6.96	
Note: Excludes removal of toilet.		
22 01 40 81-0026 EA Toilet Tank Replacement	142.82	
22 01 40 81-0027 EA Toilet Bowl, 10" Replacement	181.32	
22 01 40 81-0028 EA Toilet Bowl, 10", Low-Flush Watersaver, Replacement	194.27	
22 01 40 81-0029 EA Toilet Bowl, 12", Replacement	206.77	
22 01 40 81-0030 EA Toilet Bowl, Elongated, 18", Replacement	185.68	
22 01 40 81-0031 EA Toilet Closet Bolt, 5/16" x 3" With Nuts And Washers Replacement.....	22.81	
22 01 40 81-0032 EA Toilet Flapper With Chain Replacement	16.57	
22 01 40 81-0033 EA Toilet Flush Tank Lever Replacement	17.98	
22 01 40 81-0034 EA Elongated Toilet Seat With Lid Replacement.....	92.48	
22 01 40 81-0035 EA Elongated Toilet Seat Without Lid Replacement.....	75.93	
22 01 40 81-0036 EA Handicap Toilet Seat Replacement, Complete With Rails	135.95	
22 01 40 81-0037 EA Diverter Tub Spout Replacement.....	45.40	
22 01 40 81-0038 EA Tub Spout Replacement	34.31	
22 01 40 81-0039 EA 2" Tub Stopper, Replacement.....	10.26	
22 01 40 81-0040 EA Tub Waste/Overflow Replacement	70.14	
22 01 40 81-0041 EA Tub Stem Bonnet Assembly Replacement	36.51	
22 01 40 81-0042 EA Faucet Bonnet Replacement	40.04	
22 01 40 81-0043 EA Faucet Diverter Stem Replacement.....	25.22	
22 01 40 81-0044 EA Faucet Diverter Stem And Bonnet Replacement	33.35	
22 01 40 81-0045 EA Faucet Spout Replacement	37.62	
22 01 40 81-0046 EA Faucet Stem Replacement	27.78	
22 01 40 81-0047 EA Chrome Plated Plastic Drinking Fountain Bubbler Valve With Flexible Bubbler Guard Replacement.....	150.02	
22 01 40 81-0048 EA Chrome Plated Brass Drinking Fountain Bubbler Valve Replacement.....	183.99	
22 01 40 81-0049 EA Stainless Steel (Lead Free) Drinking Fountain Pushbutton Bubbler Valve Replacement	118.79	

22 05 Common Work Results for Plumbing ⁽²²⁾**22 05 13 Common Motor Requirements For Plumbing Equipment** ^(22 05)

Note: New equipment includes motor, unless otherwise stated. For use when replacing existing motor. See CSI section 23 05 13 00-0000 for motor requirements.

22 05 16 Expansion Fittings And Loops For Plumbing Piping ^(22 05)

See CSI section 23 05 16 00-0000 for expansion fittings and loops.

22 05 17 Sleeves and Sleeve Seals for Plumbing Piping ^(22 05)

See CSI section 23 05 17 00-0000 for sleeves and sleeve seals.

22 05 19 Meters And Gages For Plumbing Piping ^(22 05)

See CSI section 23 05 19 00-0000 for gages, 33 19 11 00-0000 for water utility service metering.

22 05 23 General-Duty Valves For Plumbing Piping ^(22 05)

See CSI section 23 05 23 00-0000 for valves.

22 05 23 00-0001 Earthquake-Sensitive Gas Shut-Off Valve ^(22 05 23)**22 05 23 00-0002 0.5 PSI Threaded Earthquake Gas Shutoff Valves** ^(22 05 23 00-0001)

22 05 23 00-0003 EA 3/4" 0.5 PSI Threaded Earthquake Gas Shutoff Valve	172.67	12.26
22 05 23 00-0004 EA 1" 0.5 PSI Threaded Earthquake Gas Shutoff Valve	195.40	13.93

22 05 23 00-0005 7 PSI Threaded Earthquake Gas Shutoff Valves ^(22 05 23 00-0001)

22 05 23 00-0006 EA 1-1/4" 7 PSI Threaded Earthquake Gas Shutoff Valve	228.14	14.82
22 05 23 00-0007 EA 1-1/2" 7 PSI Threaded Earthquake Gas Shutoff Valve	307.94	17.16

22 05 23 00-0008 60 PSI Threaded Earthquake Gas Shutoff Valves ^(22 05 23 00-0001)

22 05 23 00-0009 EA 3/4" 60 PSI Threaded Earthquake Gas Shutoff Valve	213.69	12.26
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	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	22 05 23 00-0010	EA		1" 60 PSI Threaded Earthquake Gas Shutoff Valve	223.89	13.93
	22 05 23 00-0011	EA		1-1/4" 60 PSI Threaded Earthquake Gas Shutoff Valve	250.93	14.82
	22 05 23 00-0012	EA		1-1/2" 60 PSI Threaded Earthquake Gas Shutoff Valve	342.13	17.16
	22 05 23 00-0013	EA		2" 60 PSI Threaded Earthquake Gas Shutoff Valve	785.06	20.28
	22 05 23 00-0014	EA		2-1/2" 60 PSI Threaded Earthquake Gas Shutoff Valve	934.06	27.30
	22 05 23 00-0015	EA		3" 60 PSI Threaded Earthquake Gas Shutoff Valve	1,211.92	31.80
	22 05 23 00-0016	EA		4" 60 PSI Threaded Earthquake Gas Shutoff Valve	1,404.57	35.90
22 05 23 00-0017				60 PSI Flanged Earthquake Gas Shutoff Valves <small>(22 05 23 00-0001)</small>		
	22 05 23 00-0018	EA		2" 60 PSI Flanged Earthquake Gas Shutoff Valve.....	1,097.40	148.54
	22 05 23 00-0019	EA		3" 60 PSI Flanged Earthquake Gas Shutoff Valve.....	1,352.12	174.36
	22 05 23 00-0020	EA		4" 60 PSI Flanged Earthquake Gas Shutoff Valve.....	1,904.75	292.30
	22 05 23 00-0021	EA		6" 60 PSI Flanged Earthquake Gas Shutoff Valve.....	3,147.97	375.93
	22 05 23 00-0022	EA		8" 60 PSI Flanged Earthquake Gas Shutoff Valve.....	8,400.27	432.32
22 05 23 00-0023				Emergency Shut-Off Valve With Fusible Link <small>(22 05 23)</small>		
22 05 23 00-0024				Threaded Brass, Fusible Gate Valves (Morrison Bros. 939) <small>(22 05 23 00-0023)</small>		
				Note: Brass globe/gate valve used to shut off product flow in the event of a fire. Fusible element in the handwheel automatically closes the valve when in contact with 165° F.		
	22 05 23 00-0025	EA		1/4" Threaded Brass, Fusible Gate Valve (Morrison Bros. 939 Series)	60.39	17.94
				<i>For Work In Restricted Working Space, Add</i>	9.74	
	22 05 23 00-0026	EA		3/8" Threaded Brass, Fusible Gate Valve (Morrison Bros. 939 Series)	62.14	18.94
				<i>For Work In Restricted Working Space, Add</i>	10.26	
	22 05 23 00-0027	EA		1/2" Threaded Brass, Fusible Gate Valve (Morrison Bros. 939 Series)	93.45	17.94
				<i>For Work In Restricted Working Space, Add</i>	10.79	
	22 05 23 00-0028	EA		3/4" Threaded Brass, Fusible Gate Valve (Morrison Bros. 939 Series)	176.12	24.18
				<i>For Work In Restricted Working Space, Add</i>	14.54	
	22 05 23 00-0029	EA		1" Threaded Brass, Fusible Gate Valve (Morrison Bros. 939 Series)	420.60	29.30
				<i>For Work In Restricted Working Space, Add</i>	17.60	
22 05 23 00-0030				Threaded Ductile Iron, Emergency Gas Shutoff Valves (Morrison Bros. 346-DI) <small>(22 05 23 00-0023)</small>		
				Note: Ductile iron body, cap, seat and swing arm. Viton® encapsulated Teflon® o-ring, Teflon® gasket, and stainless steel spring.		
	22 05 23 00-0031	EA		1-1/2" Threaded Ductile Iron, Emergency Gas Shutoff Valves (Morrison Bros. 346-DI)	335.73	17.16
	22 05 23 00-0032	EA		2" Threaded Ductile Iron, Emergency Gas Shutoff Valves (Morrison Bros. 346-DI)	365.41	20.28
	22 05 23 00-0033	EA		3" Threaded Ductile Iron, Emergency Gas Shutoff Valves (Morrison Bros. 346-DI)	609.18	31.80
22 05 23 00-0034				Flanged Ductile Iron, Emergency Gas Shutoff Valves (Morrison Bros. 346-DI) <small>(22 05 23 00-0023)</small>		
				Note: Ductile iron body, cap, seat and swing arm. Viton® encapsulated Teflon® o-ring, Teflon® gasket, and stainless steel spring.		
	22 05 23 00-0035	EA		2" Flanged Ductile Iron, Emergency Gas Shutoff Valves (Morrison Bros. 346-DI)	508.22	148.54
	22 05 23 00-0036	EA		3" Flanged Ductile Iron, Emergency Gas Shutoff Valves (Morrison Bros. 346-DI)	796.18	174.36
	22 05 23 00-0037	EA		4" Flanged Ductile Iron, Emergency Gas Shutoff Valves (Morrison Bros. 346-DI)	1,771.50	292.30
22 05 23 00-0038				Mud Valves (Drain Plug Valves) <small>(22 05 23)</small>		
				Note: For settling basins, waterworks, sewage treatment plants where sedimentateous material must be flushed from system.		
	22 05 23 00-0039	EA		4" Flanged End, Non Rising Stem Mud Valve	833.97	219.79
	22 05 23 00-0040	EA		6" Flanged End, Non Rising Stem Mud Valve	1,005.31	307.69
	22 05 23 00-0041	EA		8" Flanged End, Non Rising Stem Mud Valve	1,214.92	322.27
	22 05 23 00-0042	EA		10" Flanged End, Non Rising Stem Mud Valve	1,772.50	394.72
	22 05 23 00-0043	EA		12" Flanged End, Non Rising Stem Mud Valve	2,088.94	478.46
	22 05 23 00-0044	EA		14" Flanged End, Non Rising Stem Mud Valve	3,779.87	615.37
	22 05 23 00-0045	EA		16" Flanged End, Non Rising Stem Mud Valve	4,457.20	676.92
	22 05 23 00-0046	EA		18" Flanged End, Non Rising Stem Mud Valve	4,977.33	726.15
	22 05 23 00-0047	EA		24" Flanged End, Non Rising Stem Mud Valve	6,975.17	1,005.36
22 05 29				Hangers And Supports For Plumbing Piping And Equipment <small>(22 05)</small>		
				See CSI section 23 05 29 00-0000 for hangers and supports.		
22 05 33				Heat Tracing For Plumbing Piping <small>(22 05)</small>		
				See CSI section 23 83 13 00-0000 for heat tracing cables.		
22 05 48				Vibration And Seismic Controls For Plumbing Piping And Equipment <small>(22 05)</small>		
22 05 48 13				Vibration Controls For Plumbing Piping And Equipment <small>(22 05 48)</small>		
				See CSI section 23 05 48 00-0000 for vibration and seismic control.		
22 05 53				Identification For Plumbing Piping And Equipment <small>(22 05)</small>		
				See CSI section 23 05 53 00-0000 for identification.		

22 Plumbing**22 05 Common Work Results for Plumbing****22 05 76 Facility Drainage Piping Cleanouts**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 05 76			Facility Drainage Piping Cleanouts <small>(22 05)</small>		
22 05 76 00-0001			Cast Iron Cleanout With Plug And Cover <small>(22 05 76)</small> Note: For floor installation.		
22 05 76 00-0002			Cast Iron Cleanout With Plug And Round Or Square Cover <small>(22 05 76 00-0001)</small>		
22 05 76 00-0003	EA		2" Floor Cleanout, Round Or Square Top, Cast Iron With Cast Bronze Screw Plug And Nickel Bronze Cover.....	320.74	59.28
			For Vandal Proof, Add	19.50	
			For Galvanized Ferrule, Add	45.00	
			For Carpet Marker, Add	16.00	
			For Carpet Flange, Add	58.50	
			For Wide Flange, Add	97.00	
			For Satin Bronze Top, Deduct	-24.00	
22 05 76 00-0004	EA		3" Floor Cleanout, Round Or Square Top, Cast Iron With Cast Bronze Screw Plug And Nickel Bronze Cover.....	359.18	74.33
			For Vandal Proof, Add	19.50	
			For Galvanized Ferrule, Add	45.00	
			For Carpet Marker, Add	16.00	
			For Carpet Flange, Add	58.50	
			For Wide Flange, Add	97.00	
			For Satin Bronze Top, Deduct	-24.00	
22 05 76 00-0005	EA		4" Floor Cleanout, Round Or Square Top, Cast Iron With Cast Bronze Screw Plug And Nickel Bronze Cover.....	444.93	89.81
			For Vandal Proof, Add	19.50	
			For Galvanized Ferrule, Add	45.00	
			For Carpet Marker, Add	16.00	
			For Carpet Flange, Add	58.50	
			For Wide Flange, Add	97.00	
			For Satin Bronze Top, Deduct	-24.00	
22 05 76 00-0006	EA		5" Floor Cleanout, Round Or Square Top, Cast Iron With Cast Bronze Screw Plug And Nickel Bronze Cover.....	603.54	100.51
			For Vandal Proof, Add	19.50	
			For Galvanized Ferrule, Add	45.00	
			For Carpet Marker, Add	16.00	
			For Carpet Flange, Add	58.50	
			For Wide Flange, Add	97.00	
			For Satin Bronze Top, Deduct	-24.00	
22 05 76 00-0007	EA		6" Floor Cleanout, Round Or Square Top, Cast Iron With Cast Bronze Screw Plug And Nickel Bronze Cover.....	724.68	108.87
			For Vandal Proof, Add	19.50	
			For Galvanized Ferrule, Add	45.00	
			For Carpet Marker, Add	16.00	
			For Carpet Flange, Add	58.50	
			For Wide Flange, Add	97.00	
			For Satin Bronze Top, Deduct	-24.00	
22 05 76 00-0008			Cast Iron Heavy Duty Cleanout With Plug And Round Cover <small>(22 05 76 00-0001)</small>		
22 05 76 00-0009	EA		2" Heavy Duty Floor Cleanout, Round Top, Cast Iron With Cast Bronze Screw Plug And Nickel Bronze Cover.....	358.54	59.28
			For Vandal Proof, Add	19.50	
			For Galvanized Ferrule, Add	45.00	
			For Carpet Marker, Add	16.00	
			For Carpet Flange, Add	58.50	
			For Wide Flange, Add	97.00	
			For Satin Bronze Top, Deduct	-24.00	
22 05 76 00-0010	EA		3" Heavy Duty Floor Cleanout, Round Top, Cast Iron With Cast Bronze Screw Plug And Nickel Bronze Cover.....	397.50	74.22
			For Vandal Proof, Add	19.50	
			For Galvanized Ferrule, Add	45.00	
			For Carpet Marker, Add	16.00	
			For Carpet Flange, Add	58.50	
			For Wide Flange, Add	97.00	
			For Satin Bronze Top, Deduct	-24.00	
22 05 76 00-0011	EA		4" Heavy Duty Floor Cleanout, Round Top, Cast Iron With Cast Bronze Screw Plug And Nickel Bronze Cover.....	483.33	89.81
			For Vandal Proof, Add	19.50	
			For Galvanized Ferrule, Add	45.00	
			For Carpet Marker, Add	16.00	
			For Carpet Flange, Add	58.50	
			For Wide Flange, Add	97.00	
			For Satin Bronze Top, Deduct	-24.00	
22 05 76 00-0012	EA		5" Heavy Duty Floor Cleanout, Round Top, Cast Iron With Cast Bronze Screw Plug And Nickel Bronze Cover.....	642.00	100.51
			For Vandal Proof, Add	19.50	
			For Galvanized Ferrule, Add	45.00	
			For Carpet Marker, Add	16.00	
			For Carpet Flange, Add	58.50	
			For Wide Flange, Add	97.00	
			For Satin Bronze Top, Deduct	-24.00	
22 05 76 00-0013	EA		6" Heavy Duty Floor Cleanout, Round Top, Cast Iron With Cast Bronze Screw Plug And Nickel Bronze Cover.....	763.04	108.87
			For Vandal Proof, Add	19.50	
			For Galvanized Ferrule, Add	45.00	
			For Carpet Marker, Add	16.00	
			For Carpet Flange, Add	58.50	
			For Wide Flange, Add	97.00	
			For Satin Bronze Top, Deduct	-24.00	
22 05 76 00-0014			Wall Cover For Cleanout <small>(22 05 76)</small> Note: Cover and screw only.		
22 05 76 00-0015			Round Access Cover, Bronze Polished Top <small>(22 05 76 00-0014)</small> Note: Cover and screw only.		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 05 76 00-0016 EA 4-1/4" Diameter Wall Cover For Cleanout, Screwed..... <i>For Stainless Steel, Add</i> <i>For Vandal Proof Screws, Add</i>	59.94 9.00 19.50	18.61
22 05 76 00-0017 EA 5-1/2" Diameter Wall Cover For Cleanout, Screwed..... <i>For Stainless Steel, Add</i> <i>For Vandal Proof Screws, Add</i>	67.37 9.00 19.50	22.29
22 05 76 00-0018 EA 7" Diameter Wall Cover For Cleanout, Screwed..... <i>For Stainless Steel, Add</i> <i>For Vandal Proof Screws, Add</i>	81.95 9.00 19.50	25.07
22 05 76 00-0019 EA 9-1/4" Diameter Wall Cover For Cleanout, Screwed..... <i>For Stainless Steel, Add</i> <i>For Vandal Proof Screws, Add</i>	121.11 9.00 19.50	27.86
22 05 76 00-0020 EA 11-1/4" Diameter Wall Cover For Cleanout, Screwed..... <i>For Stainless Steel, Add</i> <i>For Vandal Proof Screws, Add</i>	168.69 9.00 19.50	30.64
22 05 76 00-0021 Square Wall Access Panel, Bronze Polished Top (22 05 76 00-0014) Note: Cover and screw only.		
22 05 76 00-0022 EA 7" x 7" Bronze Wall Or Floor Access Cover..... <i>For Vandal Proof Screws, Add</i> <i>For Nickel Bronze, Add</i>	145.14 19.50 22.50	18.61
22 05 76 00-0023 EA 9" x 9" Bronze Wall Or Floor Access Cover..... <i>For Vandal Proof Screws, Add</i> <i>For Nickel Bronze, Add</i>	198.00 19.50 22.50	19.50
22 05 76 00-0024 EA 10" x 10" Bronze Wall Or Floor Access Cover..... <i>For Vandal Proof Screws, Add</i> <i>For Nickel Bronze, Add</i>	211.23 19.50 22.50	20.61
22 05 76 00-0025 EA 14" x 14" Bronze Wall Or Floor Access Cover..... <i>For Vandal Proof Screws, Add</i> <i>For Nickel Bronze, Add</i>	236.80 19.50 22.50	23.41
22 05 76 00-0026 Secured Square Wall Access Panel, Bronze Polished Top (22 05 76 00-0014) Note: Cover and screw only.		
22 05 76 00-0027 EA 6" x 6" Bronze Secured Wall Access Panel..... <i>For Vandal Proof Screws, Add</i> <i>For Nickel Bronze, Add</i>	145.14 19.50 22.50	18.61
22 05 76 00-0028 EA 8" x 8" Bronze Secured Wall Access Panel..... <i>For Vandal Proof Screws, Add</i> <i>For Nickel Bronze, Add</i>	198.00 19.50 22.50	19.50
22 05 76 00-0029 EA 10" x 10" Bronze Secured Wall Access Panel..... <i>For Vandal Proof Screws, Add</i> <i>For Nickel Bronze, Add</i>	211.23 19.50 22.50	20.61
22 05 76 00-0030 EA 12" x 12" Bronze Secured Wall Access Panel..... <i>For Vandal Proof Screws, Add</i> <i>For Nickel Bronze, Add</i>	236.80 19.50 22.50	23.41
22 05 76 00-0031 Secure Square Hinged Access Panel, Bronze Polished Top, Scoriated (22 05 76 00-0014) Note: Cover and screw only.		
22 05 76 00-0032 EA 6" x 6" Bronze Secured Hinged Access Panel, Scoriated..... <i>For Vandal Proof Screws, Add</i> <i>For Nickel Bronze, Add</i>	141.64 19.50 22.50	18.61
22 05 76 00-0033 EA 8" x 8" Bronze Secured Hinged Access Panel, Scoriated..... <i>For Vandal Proof Screws, Add</i> <i>For Nickel Bronze, Add</i>	186.50 19.50 22.50	19.50
22 05 76 00-0034 EA 10" x 10" Bronze Secured Hinged Access Panel, Scoriated..... <i>For Vandal Proof Screws, Add</i> <i>For Nickel Bronze, Add</i>	253.73 19.50 22.50	20.61
22 05 76 00-0035 EA 12" x 12" Bronze Secured Hinged Access Panel, Scoriated..... <i>For Vandal Proof Screws, Add</i> <i>For Nickel Bronze, Add</i>	304.80 19.50 22.50	23.41
22 05 76 00-0036 Cast Iron Cleanout Tee (22 05 76)		
22 05 76 00-0037 Cast Iron Cleanout Tee And Round Access Cover (22 05 76 00-0036) Note: Satin smooth secured cover.		
22 05 76 00-0038 EA 2" Cleanout Tee With Bronze Screw Plug And Round Polished Bronze Cover..... <i>For Vandal Proof Screws, Add</i> <i>For Galvanized Cast Iron Parts, Add</i>	245.14 18.00 45.00	59.28
22 05 76 00-0039 EA 3" Cleanout Tee With Bronze Screw Plug And Round Polished Bronze Cover..... <i>For Vandal Proof Screws, Add</i> <i>For Galvanized Cast Iron Parts, Add</i>	288.30 18.00 45.00	74.22
22 05 76 00-0040 EA 4" Cleanout Tee With Bronze Screw Plug And Round Polished Bronze Cover..... <i>For Vandal Proof Screws, Add</i> <i>For Galvanized Cast Iron Parts, Add</i>	367.53 18.00 45.00	89.81
22 05 76 00-0041 EA 6" Cleanout Tee With Bronze Screw Plug And Round Polished Bronze Cover..... <i>For Vandal Proof Screws, Add</i> <i>For Galvanized Cast Iron Parts, Add</i>	745.04 18.00 45.00	108.87

22 Plumbing**22 05 Common Work Results for Plumbing****22 05 76 Facility Drainage Piping Cleanouts**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 05 76 00-0042			Cast Iron Cleanout Tee And Square Access Cover (22 05 76 00-0036) Note: Satin smooth secured cover.		
22 05 76 00-0043	EA		2" Cleanout Tee With Cast Bronze Screw Plug And Square Nickel Bronze Cover.....	371.74	59.28
			For Vandal Proof Screws, Add	18.00	
			For Galvanized Cast Iron Parts, Add	45.00	
22 05 76 00-0044	EA		3" Cleanout Tee With Cast Bronze Screw Plug And Square Nickel Bronze Cover.....	414.90	74.22
			For Vandal Proof Screws, Add	18.00	
			For Galvanized Cast Iron Parts, Add	45.00	
22 05 76 00-0045	EA		4" Cleanout Tee With Cast Bronze Screw Plug And Square Nickel Bronze Cover.....	485.73	89.81
			For Vandal Proof Screws, Add	18.00	
			For Galvanized Cast Iron Parts, Add	45.00	
22 05 76 00-0046	EA		6" Cleanout Tee With Cast Bronze Screw Plug And Square Nickel Bronze Cover.....	916.04	108.87
			For Vandal Proof Screws, Add	18.00	
			For Galvanized Cast Iron Parts, Add	45.00	
22 05 76 00-0047			Cast Iron Cleanout Tee With Brass Plug (22 05 76 00-0036)		
22 05 76 00-0048	EA		2" Cleanout Tee With Cast Bronze Screw Plug.....	200.75	48.47
22 05 76 00-0049	EA		3" Cleanout Tee With Cast Bronze Screw Plug.....	222.86	52.93
22 05 76 00-0050	EA		4" Cleanout Tee With Cast Bronze Screw Plug.....	295.90	69.64
22 05 76 00-0051	EA		5" Cleanout Tee With Cast Bronze Screw Plug.....	416.92	82.46
22 05 76 00-0052	EA		6" Cleanout Tee With Cast Bronze Screw Plug.....	657.01	97.50
22 05 76 00-0053			Removable Cleanout Plug (22 05 76)		
22 05 76 00-0054			Threaded Bronze Plugs (22 05 76 00-0053)		
22 05 76 00-0055	EA		1-1/4", 1-1/2" Or 2" Threaded Bronze Plug.....	38.96	13.93
			For Plug Tapped For Center Screw, Add	9.50	
22 05 76 00-0056	EA		2-1/2" Threaded Bronze Plug.....	44.20	15.15
			For Plug Tapped For Center Screw, Add	9.50	
22 05 76 00-0057	EA		3" Threaded Bronze Plug.....	61.99	16.71
			For Plug Tapped For Center Screw, Add	9.50	
22 05 76 00-0058	EA		3-1/2" Threaded Bronze Plug.....	70.58	19.50
			For Plug Tapped For Center Screw, Add	9.50	
22 05 76 00-0059	EA		4" Threaded Bronze Plug.....	80.15	22.29
			For Plug Tapped For Center Screw, Add	9.50	
22 05 76 00-0060	EA		5" Threaded Bronze Plug.....	103.24	25.07
			For Plug Tapped For Center Screw, Add	9.50	
22 05 76 00-0061	EA		6" Threaded Bronze Plug.....	138.30	27.86
			For Plug Tapped For Center Screw, Add	9.50	
22 05 76 00-0062	EA		8" Threaded Bronze Plug.....	208.79	30.64
			For Plug Tapped For Center Screw, Add	9.50	
22 05 76 00-0063	EA		10" Threaded Bronze Plug.....	284.36	33.43
			For Plug Tapped For Center Screw, Add	9.50	
22 05 76 00-0064			Threaded Brass Plugs (22 05 76 00-0053)		
22 05 76 00-0065	EA		1-1/2" Threaded Brass Plug, Raised Head.....	31.83	13.93
			For Plug Tapped For Center Screw, Add	9.50	
22 05 76 00-0066	EA		2" Threaded Brass Plug, Raised Head.....	32.52	13.93
			For Plug Tapped For Center Screw, Add	9.50	
22 05 76 00-0067	EA		2-1/2" Threaded Brass Plug, Raised Head.....	35.55	15.15
			For Plug Tapped For Center Screw, Add	9.50	
22 05 76 00-0068	EA		3" Threaded Brass Plug, Raised Head.....	40.39	16.71
			For Plug Tapped For Center Screw, Add	9.50	
22 05 76 00-0069	EA		3-1/2" Threaded Brass Plug, Raised Head.....	47.83	19.50
			For Plug Tapped For Center Screw, Add	9.50	
22 05 76 00-0070	EA		4" Threaded Brass Plug, Raised Head.....	56.53	22.29
			For Plug Tapped For Center Screw, Add	9.50	
22 05 76 00-0071	EA		4-1/2" Threaded Brass Plug, Raised Head.....	60.86	23.47
			For Plug Tapped For Center Screw, Add	9.50	
22 05 76 00-0072	EA		5" Threaded Brass Plug, Raised Head.....	65.63	25.07
			For Plug Tapped For Center Screw, Add	9.50	
22 05 76 00-0073	EA		6" Threaded Brass Plug, Raised Head.....	87.95	27.86
			For Plug Tapped For Center Screw, Add	9.50	
22 05 76 00-0074	EA		1-1/2" Threaded Brass Plug, Countersunk Head.....	31.29	13.93
			For Plug Tapped For Center Screw, Add	9.50	
22 05 76 00-0075	EA		2" Threaded Brass Plug, Countersunk Head.....	32.05	13.93
			For Plug Tapped For Center Screw, Add	9.50	
22 05 76 00-0076	EA		2-1/2" Threaded Brass Plug, Countersunk Head.....	37.05	15.15
			For Plug Tapped For Center Screw, Add	9.50	
22 05 76 00-0077	EA		3" Threaded Brass Plug, Countersunk Head.....	40.61	16.71
			For Plug Tapped For Center Screw, Add	9.50	
22 05 76 00-0078	EA		3-1/2" Threaded Brass Plug, Countersunk Head.....	47.18	19.50
			For Plug Tapped For Center Screw, Add	9.50	
22 05 76 00-0079	EA		4" Threaded Brass Plug, Countersunk Head.....	55.51	22.29
			For Plug Tapped For Center Screw, Add	9.50	
22 05 76 00-0080	EA		5" Threaded Brass Plug, Countersunk Head.....	65.07	25.07
			For Plug Tapped For Center Screw, Add	9.50	
22 05 76 00-0081	EA		6" Threaded Brass Plug, Countersunk Head.....	78.96	27.86
			For Plug Tapped For Center Screw, Add	9.50	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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22 07 Plumbing Insulation⁽²²⁾

22 07 16 Plumbing Equipment Insulation^(22 07)

22 07 16 00-0001 Lavatory Insulation^(22 07 16)

22 07 16 00-0002	EA	Neoprene Insulation Kit For Under Lavatories.....	195.21	24.45
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22 07 19 Plumbing Piping Insulation^(22 07)

22 07 19 00-0001 Fiberglass Pipe Insulation^(22 07 19)

Note: Includes factory applied All Service Jacket (ASJ), Self Sealing Lap (SSL) longitudinal seam, butt strip seals, and adhesive. Excludes insulation for fittings (a location requiring purchase of an insulation fitting or cutting and fitting straight sections, excludes couplings, plugs, etc.). For fittings/valves up to 3" add 2 LF for each fitting/valve or 3 LF for each flanged/grooved joint. For fittings/valves >3" add 3 LF for each fitting/valve or 4 LF for each flanged/grooved joint.

22 07 19 00-0002 1/2" Thick Fiberglass Pipe Insulation^(22 07 19 00-0001)

22 07 19 00-0003	LF	1/2" Diameter Pipe, 1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	7.60	2.39
		<i>For Single Layer Of Felt Finish, Add</i>	0.12	
		<i>For Work In Restricted Working Space, Add</i>	1.94	
22 07 19 00-0004	LF	3/4" Diameter Pipe, 1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	7.72	2.39
		<i>For Single Layer Of Felt Finish, Add</i>	0.13	
		<i>For Work In Restricted Working Space, Add</i>	1.94	
22 07 19 00-0005	LF	1" Diameter Pipe, 1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	8.19	2.50
		<i>For Single Layer Of Felt Finish, Add</i>	0.14	
		<i>For Work In Restricted Working Space, Add</i>	2.06	
22 07 19 00-0006	LF	1-1/4" Diameter Pipe, 1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	8.46	2.61
		<i>For Single Layer Of Felt Finish, Add</i>	0.15	
		<i>For Work In Restricted Working Space, Add</i>	2.10	
22 07 19 00-0007	LF	1-1/2" Diameter Pipe, 1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	8.69	2.61
		<i>For Single Layer Of Felt Finish, Add</i>	0.16	
		<i>For Work In Restricted Working Space, Add</i>	2.14	
22 07 19 00-0008	LF	2" Diameter Pipe, 1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	9.19	2.71
		<i>For Single Layer Of Felt Finish, Add</i>	0.18	
		<i>For Work In Restricted Working Space, Add</i>	2.25	
22 07 19 00-0009	LF	2-1/2" Diameter Pipe, 1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	9.56	2.82
		<i>For Single Layer Of Felt Finish, Add</i>	0.20	
		<i>For Work In Restricted Working Space, Add</i>	2.29	
22 07 19 00-0010	LF	3" Diameter Pipe, 1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	10.04	2.93
		<i>For Single Layer Of Felt Finish, Add</i>	0.23	
		<i>For Work In Restricted Working Space, Add</i>	2.37	
22 07 19 00-0011	LF	4" Diameter Pipe, 1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	11.29	3.16
		<i>For Single Layer Of Felt Finish, Add</i>	0.29	
		<i>For Work In Restricted Working Space, Add</i>	2.56	
22 07 19 00-0012	LF	6" Diameter Pipe, 1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	13.30	3.70
		<i>For Single Layer Of Felt Finish, Add</i>	0.35	
		<i>For Work In Restricted Working Space, Add</i>	2.99	

22 07 19 00-0013 1" Thick Fiberglass Pipe Insulation^(22 07 19 00-0001)

22 07 19 00-0014	LF	1/2" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	10.27	3.26
		<i>For Single Layer Of Felt Finish, Add</i>	0.14	
		<i>For Work In Restricted Working Space, Add</i>	2.68	
22 07 19 00-0015	LF	3/4" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	10.47	3.26
		<i>For Single Layer Of Felt Finish, Add</i>	0.16	
		<i>For Work In Restricted Working Space, Add</i>	2.68	
22 07 19 00-0016	LF	1" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	10.63	3.26
		<i>For Single Layer Of Felt Finish, Add</i>	0.16	
		<i>For Work In Restricted Working Space, Add</i>	2.72	
22 07 19 00-0017	LF	1-1/4" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	10.96	3.37
		<i>For Single Layer Of Felt Finish, Add</i>	0.19	
		<i>For Work In Restricted Working Space, Add</i>	2.76	
22 07 19 00-0018	LF	1-1/2" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	11.22	3.37
		<i>For Single Layer Of Felt Finish, Add</i>	0.20	
		<i>For Work In Restricted Working Space, Add</i>	2.80	
22 07 19 00-0019	LF	2" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	11.66	3.48
		<i>For Single Layer Of Felt Finish, Add</i>	0.22	
		<i>For Work In Restricted Working Space, Add</i>	2.87	
22 07 19 00-0020	LF	2-1/2" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	12.25	3.70
		<i>For Single Layer Of Felt Finish, Add</i>	0.24	
		<i>For Work In Restricted Working Space, Add</i>	2.99	
22 07 19 00-0021	LF	3" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	12.81	3.80
		<i>For Single Layer Of Felt Finish, Add</i>	0.27	
		<i>For Work In Restricted Working Space, Add</i>	3.07	
22 07 19 00-0022	LF	4" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	14.34	4.02
		<i>For Single Layer Of Felt Finish, Add</i>	0.35	
		<i>For Work In Restricted Working Space, Add</i>	3.30	
22 07 19 00-0023	LF	6" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	16.49	4.67
		<i>For Single Layer Of Felt Finish, Add</i>	0.43	
		<i>For Work In Restricted Working Space, Add</i>	3.72	

22 Plumbing**22 07 Plumbing Insulation****22 07 19 Plumbing Piping Insulation**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0024 LF 8" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	20.07	5.22
For Single Layer Of Felt Finish, Add	0.61	
For Work In Restricted Working Space, Add	4.27	
22 07 19 00-0025 LF 10" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	23.62	6.19
For Single Layer Of Felt Finish, Add	0.72	
For Work In Restricted Working Space, Add	5.04	
22 07 19 00-0026 LF 12" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	27.14	7.07
For Single Layer Of Felt Finish, Add	0.81	
For Work In Restricted Working Space, Add	5.82	
22 07 19 00-0027 LF 14" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	29.05	7.72
For Single Layer Of Felt Finish, Add	0.94	
For Work In Restricted Working Space, Add	6.03	
22 07 19 00-0028 1-1/2" Thick Fiberglass Pipe Insulation (22 07 19 00-0001)		
22 07 19 00-0029 LF 1/2" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	12.03	3.36
For Single Layer Of Felt Finish, Add	0.29	
For Work In Restricted Working Space, Add	2.79	
22 07 19 00-0030 LF 3/4" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	12.16	3.36
For Single Layer Of Felt Finish, Add	0.30	
For Work In Restricted Working Space, Add	2.79	
22 07 19 00-0031 LF 1" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	12.85	3.56
For Single Layer Of Felt Finish, Add	0.31	
For Work In Restricted Working Space, Add	2.96	
22 07 19 00-0032 LF 1-1/4" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	13.26	3.63
For Single Layer Of Felt Finish, Add	0.34	
For Work In Restricted Working Space, Add	3.01	
22 07 19 00-0033 LF 1-1/2" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	13.62	3.70
For Single Layer Of Felt Finish, Add	0.36	
For Work In Restricted Working Space, Add	3.07	
22 07 19 00-0034 LF 2" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	14.49	3.89
For Single Layer Of Felt Finish, Add	0.39	
For Work In Restricted Working Space, Add	3.24	
22 07 19 00-0035 LF 2-1/2" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	15.04	3.96
For Single Layer Of Felt Finish, Add	0.43	
For Work In Restricted Working Space, Add	3.29	
22 07 19 00-0036 LF 3" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	15.54	4.10
For Single Layer Of Felt Finish, Add	0.44	
For Work In Restricted Working Space, Add	3.41	
22 07 19 00-0037 LF 4" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	17.07	4.43
For Single Layer Of Felt Finish, Add	0.50	
For Work In Restricted Working Space, Add	3.68	
22 07 19 00-0038 LF 6" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	19.80	5.18
For Single Layer Of Felt Finish, Add	0.58	
For Work In Restricted Working Space, Add	4.30	
22 07 19 00-0039 LF 8" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	21.98	5.46
For Single Layer Of Felt Finish, Add	0.72	
For Work In Restricted Working Space, Add	4.54	
22 07 19 00-0040 LF 10" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	26.75	6.53
For Single Layer Of Felt Finish, Add	0.91	
For Work In Restricted Working Space, Add	5.43	
22 07 19 00-0041 LF 12" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	30.50	7.61
For Single Layer Of Felt Finish, Add	0.99	
For Work In Restricted Working Space, Add	6.32	
22 07 19 00-0042 LF 14" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	34.00	8.33
For Single Layer Of Felt Finish, Add	1.14	
For Work In Restricted Working Space, Add	6.93	
22 07 19 00-0043 2" Thick Fiberglass Pipe Insulation (22 07 19 00-0001)		
22 07 19 00-0044 LF 1/2" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	14.49	3.70
For Single Layer Of Felt Finish, Add	0.45	
For Work In Restricted Working Space, Add	3.07	
22 07 19 00-0045 LF 3/4" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	14.63	3.70
For Single Layer Of Felt Finish, Add	0.46	
For Work In Restricted Working Space, Add	3.07	
22 07 19 00-0046 LF 1" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	15.07	3.80
For Single Layer Of Felt Finish, Add	0.50	
For Work In Restricted Working Space, Add	3.11	
22 07 19 00-0047 LF 1-1/4" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	15.47	3.80
For Single Layer Of Felt Finish, Add	0.52	
For Work In Restricted Working Space, Add	3.14	
22 07 19 00-0048 LF 1-1/2" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	15.88	3.91
For Single Layer Of Felt Finish, Add	0.55	
For Work In Restricted Working Space, Add	3.18	
22 07 19 00-0049 LF 2" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	16.48	4.02
For Single Layer Of Felt Finish, Add	0.58	
For Work In Restricted Working Space, Add	3.30	
22 07 19 00-0050 LF 2-1/2" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	17.28	4.13
For Single Layer Of Felt Finish, Add	0.62	
For Work In Restricted Working Space, Add	3.42	
22 07 19 00-0051 LF 3" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	18.13	4.35
For Single Layer Of Felt Finish, Add	0.67	
For Work In Restricted Working Space, Add	3.53	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0052 LF 4" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	19.69	4.56
<i>For Single Layer Of Felt Finish, Add</i>	0.76	
<i>For Work In Restricted Working Space, Add</i>	3.73	
22 07 19 00-0053 LF 6" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	23.36	5.36
<i>For Single Layer Of Felt Finish, Add</i>	0.89	
<i>For Work In Restricted Working Space, Add</i>	4.47	
22 07 19 00-0054 LF 8" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	26.17	5.66
<i>For Single Layer Of Felt Finish, Add</i>	1.10	
<i>For Work In Restricted Working Space, Add</i>	4.72	
22 07 19 00-0055 LF 10" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	31.32	6.77
<i>For Single Layer Of Felt Finish, Add</i>	1.31	
<i>For Work In Restricted Working Space, Add</i>	5.65	
22 07 19 00-0056 LF 12" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	36.26	8.12
<i>For Single Layer Of Felt Finish, Add</i>	1.44	
<i>For Work In Restricted Working Space, Add</i>	6.76	
22 07 19 00-0057 LF 14" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	46.97	8.85
<i>For Single Layer Of Felt Finish, Add</i>	1.63	
<i>For Work In Restricted Working Space, Add</i>	9.44	
22 07 19 00-0058 LF 16" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	49.12	10.38
<i>For Single Layer Of Felt Finish, Add</i>	1.85	
<i>For Work In Restricted Working Space, Add</i>	9.44	
22 07 19 00-0059 LF 18" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	54.01	10.91
<i>For Single Layer Of Felt Finish, Add</i>	2.20	
<i>For Work In Restricted Working Space, Add</i>	9.91	
22 07 19 00-0060 LF 20" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	61.30	12.45
<i>For Single Layer Of Felt Finish, Add</i>	2.47	
<i>For Work In Restricted Working Space, Add</i>	11.33	
22 07 19 00-0061 LF 24" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	71.72	15.06
<i>For Single Layer Of Felt Finish, Add</i>	2.74	
<i>For Work In Restricted Working Space, Add</i>	13.68	
22 07 19 00-0062 2-1/2" Thick Fiberglass Pipe Insulation (22 07 19 00-0001)		
22 07 19 00-0063 LF 1/2" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	17.73	4.35
<i>For Single Layer Of Felt Finish, Add</i>	0.62	
<i>For Work In Restricted Working Space, Add</i>	3.54	
22 07 19 00-0064 LF 3/4" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	17.93	4.35
<i>For Single Layer Of Felt Finish, Add</i>	0.64	
<i>For Work In Restricted Working Space, Add</i>	3.54	
22 07 19 00-0065 LF 1" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	18.57	4.35
<i>For Single Layer Of Felt Finish, Add</i>	0.69	
<i>For Work In Restricted Working Space, Add</i>	3.59	
22 07 19 00-0066 LF 1-1/4" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	19.03	4.45
<i>For Single Layer Of Felt Finish, Add</i>	0.73	
<i>For Work In Restricted Working Space, Add</i>	3.62	
22 07 19 00-0067 LF 1-1/2" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	19.50	4.45
<i>For Single Layer Of Felt Finish, Add</i>	0.77	
<i>For Work In Restricted Working Space, Add</i>	3.65	
22 07 19 00-0068 LF 2" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	20.31	4.67
<i>For Single Layer Of Felt Finish, Add</i>	0.80	
<i>For Work In Restricted Working Space, Add</i>	3.80	
22 07 19 00-0069 LF 2-1/2" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	21.38	4.78
<i>For Single Layer Of Felt Finish, Add</i>	0.87	
<i>For Work In Restricted Working Space, Add</i>	3.93	
22 07 19 00-0070 LF 3" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	22.37	5.00
<i>For Single Layer Of Felt Finish, Add</i>	0.93	
<i>For Work In Restricted Working Space, Add</i>	4.07	
22 07 19 00-0071 LF 4" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	24.54	5.22
<i>For Single Layer Of Felt Finish, Add</i>	1.08	
<i>For Work In Restricted Working Space, Add</i>	4.29	
22 07 19 00-0072 LF 6" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	28.11	5.55
<i>For Single Layer Of Felt Finish, Add</i>	1.25	
<i>For Work In Restricted Working Space, Add</i>	4.88	
22 07 19 00-0073 LF 8" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	36.56	6.63
<i>For Single Layer Of Felt Finish, Add</i>	1.94	
<i>For Work In Restricted Working Space, Add</i>	5.43	
22 07 19 00-0074 LF 10" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	43.46	7.61
<i>For Single Layer Of Felt Finish, Add</i>	2.37	
<i>For Work In Restricted Working Space, Add</i>	6.27	
22 07 19 00-0075 LF 12" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	50.00	9.46
<i>For Single Layer Of Felt Finish, Add</i>	2.52	
<i>For Work In Restricted Working Space, Add</i>	7.79	
22 07 19 00-0076 LF 14" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	56.26	10.43
<i>For Single Layer Of Felt Finish, Add</i>	2.93	
<i>For Work In Restricted Working Space, Add</i>	8.50	
22 07 19 00-0077 LF 16" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	66.99	13.26
<i>For Single Layer Of Felt Finish, Add</i>	3.23	
<i>For Work In Restricted Working Space, Add</i>	10.87	
22 07 19 00-0078 LF 18" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	71.79	13.91
<i>For Single Layer Of Felt Finish, Add</i>	3.54	
<i>For Work In Restricted Working Space, Add</i>	11.41	
22 07 19 00-0079 LF 20" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	81.57	15.87
<i>For Single Layer Of Felt Finish, Add</i>	4.00	
<i>For Work In Restricted Working Space, Add</i>	13.04	

22 Plumbing
22 07 Plumbing Insulation
22 07 19 Plumbing Piping Insulation



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0080 LF 24" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	96.33	19.18
For Single Layer Of Felt Finish, Add	4.60	
For Work In Restricted Working Space, Add	15.76	
22 07 19 00-0081 3" Thick Fiberglass Pipe Insulation (22 07 19 00-0001)		
22 07 19 00-0082 LF 1/2" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	19.57	4.80
For Single Layer Of Felt Finish, Add	0.68	
For Work In Restricted Working Space, Add	3.92	
22 07 19 00-0083 LF 3/4" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	19.79	4.80
For Single Layer Of Felt Finish, Add	0.71	
For Work In Restricted Working Space, Add	3.92	
22 07 19 00-0084 LF 1" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	20.42	4.84
For Single Layer Of Felt Finish, Add	0.76	
For Work In Restricted Working Space, Add	3.96	
22 07 19 00-0085 LF 1-1/4" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	20.90	4.88
For Single Layer Of Felt Finish, Add	0.80	
For Work In Restricted Working Space, Add	3.98	
22 07 19 00-0086 LF 1-1/2" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	21.47	4.93
For Single Layer Of Felt Finish, Add	0.85	
For Work In Restricted Working Space, Add	4.02	
22 07 19 00-0087 LF 2" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	22.30	5.12
For Single Layer Of Felt Finish, Add	0.88	
For Work In Restricted Working Space, Add	4.17	
22 07 19 00-0088 LF 2-1/2" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	23.48	5.30
For Single Layer Of Felt Finish, Add	0.95	
For Work In Restricted Working Space, Add	4.32	
22 07 19 00-0089 LF 3" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	24.58	5.49
For Single Layer Of Felt Finish, Add	1.02	
For Work In Restricted Working Space, Add	4.47	
22 07 19 00-0090 LF 4" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	26.99	5.79
For Single Layer Of Felt Finish, Add	1.18	
For Work In Restricted Working Space, Add	4.72	
22 07 19 00-0091 LF 6" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	30.88	6.57
For Single Layer Of Felt Finish, Add	1.37	
For Work In Restricted Working Space, Add	5.36	
22 07 19 00-0092 LF 8" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	40.15	7.33
For Single Layer Of Felt Finish, Add	2.13	
For Work In Restricted Working Space, Add	5.97	
22 07 19 00-0093 LF 10" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	47.76	8.45
For Single Layer Of Felt Finish, Add	2.60	
For Work In Restricted Working Space, Add	6.89	
22 07 19 00-0094 LF 12" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	54.94	10.51
For Single Layer Of Felt Finish, Add	2.77	
For Work In Restricted Working Space, Add	8.57	
22 07 19 00-0095 LF 14" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	61.82	11.48
For Single Layer Of Felt Finish, Add	3.22	
For Work In Restricted Working Space, Add	9.35	
22 07 19 00-0096 LF 16" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	73.61	14.66
For Single Layer Of Felt Finish, Add	3.55	
For Work In Restricted Working Space, Add	11.95	
22 07 19 00-0097 LF 18" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	78.89	15.40
For Single Layer Of Felt Finish, Add	3.89	
For Work In Restricted Working Space, Add	12.55	
22 07 19 00-0098 LF 20" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	89.64	17.61
For Single Layer Of Felt Finish, Add	4.39	
For Work In Restricted Working Space, Add	14.35	
22 07 19 00-0099 LF 24" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	105.85	21.26
For Single Layer Of Felt Finish, Add	5.05	
For Work In Restricted Working Space, Add	17.34	
22 07 19 00-0100 3-1/2" Thick Fiberglass Pipe Insulation (22 07 19 00-0001)		
22 07 19 00-0101 LF 1/2" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	21.16	5.22
For Single Layer Of Felt Finish, Add	0.72	
For Work In Restricted Working Space, Add	4.29	
22 07 19 00-0102 LF 3/4" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	21.42	5.22
For Single Layer Of Felt Finish, Add	0.75	
For Work In Restricted Working Space, Add	4.29	
22 07 19 00-0103 LF 1" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	22.30	5.22
For Single Layer Of Felt Finish, Add	0.83	
For Work In Restricted Working Space, Add	4.32	
22 07 19 00-0104 LF 1-1/4" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	22.82	5.33
For Single Layer Of Felt Finish, Add	0.88	
For Work In Restricted Working Space, Add	4.34	
22 07 19 00-0105 LF 1-1/2" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	23.47	5.33
For Single Layer Of Felt Finish, Add	0.93	
For Work In Restricted Working Space, Add	4.40	
22 07 19 00-0106 LF 2" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	24.33	5.55
For Single Layer Of Felt Finish, Add	0.96	
For Work In Restricted Working Space, Add	4.55	
22 07 19 00-0107 LF 2-1/2" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	25.62	5.76
For Single Layer Of Felt Finish, Add	1.04	
For Work In Restricted Working Space, Add	4.71	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0108 LF 3" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)..... <i>For Single Layer Of Felt Finish, Add</i>	26.74 1.10 4.88	5.98
22 07 19 00-0109 LF 4" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)..... <i>For Single Layer Of Felt Finish, Add</i>	29.48 1.29 5.15	6.30
22 07 19 00-0110 LF 6" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)..... <i>For Single Layer Of Felt Finish, Add</i>	33.72 1.49 5.85	7.18
22 07 19 00-0111 LF 8" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)..... <i>For Single Layer Of Felt Finish, Add</i>	43.85 2.32 6.52	7.93
22 07 19 00-0112 LF 10" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)..... <i>For Single Layer Of Felt Finish, Add</i>	52.16 2.84 7.52	9.13
22 07 19 00-0113 LF 12" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)..... <i>For Single Layer Of Felt Finish, Add</i>	60.00 3.03 9.35	11.41
22 07 19 00-0114 LF 14" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)..... <i>For Single Layer Of Felt Finish, Add</i>	67.53 3.52 10.20	12.50
22 07 19 00-0115 LF 16" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)..... <i>For Single Layer Of Felt Finish, Add</i>	80.40 3.88 13.04	15.87
22 07 19 00-0116 LF 18" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)..... <i>For Single Layer Of Felt Finish, Add</i>	86.16 4.25 13.70	16.73
22 07 19 00-0117 LF 20" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)..... <i>For Single Layer Of Felt Finish, Add</i>	97.93 4.80 15.66	19.13
22 07 19 00-0118 LF 24" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)..... <i>For Single Layer Of Felt Finish, Add</i>	115.59 5.52 18.91	23.05
22 07 19 00-0119 4" Thick Fiberglass Pipe Insulation (22 07 19 00-0001)		
22 07 19 00-0120 LF 1/2" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ)..... <i>For Single Layer Of Felt Finish, Add</i>	23.89 0.84 4.76	5.87
22 07 19 00-0121 LF 3/4" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ)..... <i>For Single Layer Of Felt Finish, Add</i>	24.18 0.87 4.76	5.87
22 07 19 00-0122 LF 1" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ)..... <i>For Single Layer Of Felt Finish, Add</i>	25.04 0.93 4.85	5.87
22 07 19 00-0123 LF 1-1/4" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ)..... <i>For Single Layer Of Felt Finish, Add</i>	25.74 0.99 4.90	5.98
22 07 19 00-0124 LF 1-1/2" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ)..... <i>For Single Layer Of Felt Finish, Add</i>	26.76 1.04 5.06	6.19
22 07 19 00-0125 LF 2" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ)..... <i>For Single Layer Of Felt Finish, Add</i>	27.71 1.08 5.21	6.41
22 07 19 00-0126 LF 2-1/2" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ)..... <i>For Single Layer Of Felt Finish, Add</i>	28.82 1.17 5.30	6.41
22 07 19 00-0127 LF 3" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ)..... <i>For Single Layer Of Felt Finish, Add</i>	30.19 1.25 5.49	6.73
22 07 19 00-0128 LF 4" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ)..... <i>For Single Layer Of Felt Finish, Add</i>	33.14 1.45 5.79	7.07
22 07 19 00-0129 LF 6" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ)..... <i>For Single Layer Of Felt Finish, Add</i>	37.92 1.68 6.57	8.04
22 07 19 00-0130 LF 8" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ)..... <i>For Single Layer Of Felt Finish, Add</i>	49.32 2.61 7.33	8.69
22 07 19 00-0131 LF 10" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ)..... <i>For Single Layer Of Felt Finish, Add</i>	58.69 3.20 8.47	10.32
22 07 19 00-0132 LF 12" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ)..... <i>For Single Layer Of Felt Finish, Add</i>	67.51 3.41 10.52	12.82
22 07 19 00-0133 LF 14" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ)..... <i>For Single Layer Of Felt Finish, Add</i>	76.00 3.96 11.49	14.02
22 07 19 00-0134 LF 16" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ)..... <i>For Single Layer Of Felt Finish, Add</i>	90.51 4.36 14.69	17.93
22 07 19 00-0135 LF 18" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ)..... <i>For Single Layer Of Felt Finish, Add</i>	96.89 4.79 15.39	18.80

22 Plumbing**22 07 Plumbing Insulation****22 07 19 Plumbing Piping Insulation**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0136 LF 20" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	108.97	21.52
For Single Layer Of Felt Finish, Add	5.28	
For Work In Restricted Working Space, Add	17.62	
22 07 19 00-0137 LF 24" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	130.06	25.98
For Single Layer Of Felt Finish, Add	6.21	
For Work In Restricted Working Space, Add	21.28	
22 07 19 00-0138 LF 26" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	149.20	30.65
For Single Layer Of Felt Finish, Add	6.89	
For Work In Restricted Working Space, Add	25.08	
22 07 19 00-0139 LF 28" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	169.32	36.08
For Single Layer Of Felt Finish, Add	7.44	
For Work In Restricted Working Space, Add	29.54	
22 07 19 00-0140 LF 30" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	192.46	42.61
For Single Layer Of Felt Finish, Add	7.96	
For Work In Restricted Working Space, Add	34.99	
22 07 19 00-0141 LF 36" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	234.44	54.17
For Single Layer Of Felt Finish, Add	9.05	
For Work In Restricted Working Space, Add	44.48	
22 07 19 00-0142 LF 42" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	276.43	65.97
For Single Layer Of Felt Finish, Add	10.13	
For Work In Restricted Working Space, Add	53.99	
22 07 19 00-0143 LF 44" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	298.53	72.50
For Single Layer Of Felt Finish, Add	10.52	
For Work In Restricted Working Space, Add	59.50	
22 07 19 00-0144 LF 46" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	318.18	78.03
For Single Layer Of Felt Finish, Add	10.94	
For Work In Restricted Working Space, Add	64.19	
22 07 19 00-0145 4-1/2" Thick Fiberglass Pipe Insulation (22 07 19 00-0001)		
22 07 19 00-0146 LF 1/2" Diameter Pipe, 4-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	26.18	6.31
For Single Layer Of Felt Finish, Add	0.96	
For Work In Restricted Working Space, Add	5.12	
22 07 19 00-0147 LF 3/4" Diameter Pipe, 4-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	26.51	6.31
For Single Layer Of Felt Finish, Add	0.99	
For Work In Restricted Working Space, Add	5.12	
22 07 19 00-0148 LF 1" Diameter Pipe, 4-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	27.48	6.31
For Single Layer Of Felt Finish, Add	1.06	
For Work In Restricted Working Space, Add	5.21	
22 07 19 00-0149 LF 1-1/4" Diameter Pipe, 4-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	28.26	6.42
For Single Layer Of Felt Finish, Add	1.12	
For Work In Restricted Working Space, Add	5.27	
22 07 19 00-0150 LF 1-1/2" Diameter Pipe, 4-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	29.38	6.66
For Single Layer Of Felt Finish, Add	1.18	
For Work In Restricted Working Space, Add	5.44	
22 07 19 00-0151 LF 2" Diameter Pipe, 4-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	30.43	6.89
For Single Layer Of Felt Finish, Add	1.23	
For Work In Restricted Working Space, Add	5.60	
22 07 19 00-0152 LF 2-1/2" Diameter Pipe, 4-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	31.68	6.89
For Single Layer Of Felt Finish, Add	1.33	
For Work In Restricted Working Space, Add	5.69	
22 07 19 00-0153 LF 3" Diameter Pipe, 4-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	33.20	7.25
For Single Layer Of Felt Finish, Add	1.42	
For Work In Restricted Working Space, Add	5.90	
22 07 19 00-0154 LF 4" Diameter Pipe, 4-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	36.48	7.60
For Single Layer Of Felt Finish, Add	1.65	
For Work In Restricted Working Space, Add	6.23	
22 07 19 00-0155 LF 6" Diameter Pipe, 4-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	41.76	8.64
For Single Layer Of Felt Finish, Add	1.91	
For Work In Restricted Working Space, Add	7.07	
22 07 19 00-0156 LF 8" Diameter Pipe, 4-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	54.59	9.35
For Single Layer Of Felt Finish, Add	2.97	
For Work In Restricted Working Space, Add	7.88	
22 07 19 00-0157 LF 10" Diameter Pipe, 4-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	65.00	11.10
For Single Layer Of Felt Finish, Add	3.64	
For Work In Restricted Working Space, Add	9.10	
22 07 19 00-0158 LF 12" Diameter Pipe, 4-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	74.61	13.79
For Single Layer Of Felt Finish, Add	3.88	
For Work In Restricted Working Space, Add	11.30	
22 07 19 00-0159 LF 14" Diameter Pipe, 4-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	84.06	15.08
For Single Layer Of Felt Finish, Add	4.50	
For Work In Restricted Working Space, Add	12.35	
22 07 19 00-0160 LF 16" Diameter Pipe, 4-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	99.90	19.28
For Single Layer Of Felt Finish, Add	4.96	
For Work In Restricted Working Space, Add	15.79	
22 07 19 00-0161 LF 18" Diameter Pipe, 4-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	107.01	20.21
For Single Layer Of Felt Finish, Add	5.45	
For Work In Restricted Working Space, Add	16.55	
22 07 19 00-0162 LF 20" Diameter Pipe, 4-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	120.29	23.14
For Single Layer Of Felt Finish, Add	6.00	
For Work In Restricted Working Space, Add	18.94	
22 07 19 00-0163 LF 24" Diameter Pipe, 4-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	143.51	27.92
For Single Layer Of Felt Finish, Add	7.06	
For Work In Restricted Working Space, Add	22.88	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0164 LF 26" Diameter Pipe, 4-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	164.50	32.95
For Single Layer Of Felt Finish, Add	7.84	
For Work In Restricted Working Space, Add	26.96	
22 07 19 00-0165 LF 28" Diameter Pipe, 4-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	186.45	38.79
For Single Layer Of Felt Finish, Add	8.47	
For Work In Restricted Working Space, Add	31.75	
22 07 19 00-0166 LF 30" Diameter Pipe, 4-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	211.64	45.80
For Single Layer Of Felt Finish, Add	9.06	
For Work In Restricted Working Space, Add	37.61	
22 07 19 00-0167 LF 36" Diameter Pipe, 4-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	257.42	58.23
For Single Layer Of Felt Finish, Add	10.29	
For Work In Restricted Working Space, Add	47.82	
22 07 19 00-0168 LF 42" Diameter Pipe, 4-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	303.22	70.92
For Single Layer Of Felt Finish, Add	11.53	
For Work In Restricted Working Space, Add	58.04	
22 07 19 00-0169 LF 44" Diameter Pipe, 4-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	327.22	77.93
For Single Layer Of Felt Finish, Add	11.97	
For Work In Restricted Working Space, Add	63.97	
22 07 19 00-0170 LF 46" Diameter Pipe, 4-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	348.57	83.89
For Single Layer Of Felt Finish, Add	12.45	
For Work In Restricted Working Space, Add	69.00	
22 07 19 00-0171 5" Thick Fiberglass Pipe Insulation (22 07 19 00-0001)		
22 07 19 00-0172 LF 1/2" Diameter Pipe, 5" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	29.02	6.95
For Single Layer Of Felt Finish, Add	1.08	
For Work In Restricted Working Space, Add	5.63	
22 07 19 00-0173 LF 3/4" Diameter Pipe, 5" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	29.38	6.95
For Single Layer Of Felt Finish, Add	1.11	
For Work In Restricted Working Space, Add	5.63	
22 07 19 00-0174 LF 1" Diameter Pipe, 5" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	30.48	6.95
For Single Layer Of Felt Finish, Add	1.19	
For Work In Restricted Working Space, Add	5.73	
22 07 19 00-0175 LF 1-1/4" Diameter Pipe, 5" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	31.36	7.07
For Single Layer Of Felt Finish, Add	1.26	
For Work In Restricted Working Space, Add	5.80	
22 07 19 00-0176 LF 1-1/2" Diameter Pipe, 5" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	32.60	7.33
For Single Layer Of Felt Finish, Add	1.33	
For Work In Restricted Working Space, Add	5.98	
22 07 19 00-0177 LF 2" Diameter Pipe, 5" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	33.76	7.58
For Single Layer Of Felt Finish, Add	1.39	
For Work In Restricted Working Space, Add	6.16	
22 07 19 00-0178 LF 2-1/2" Diameter Pipe, 5" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	35.16	7.58
For Single Layer Of Felt Finish, Add	1.50	
For Work In Restricted Working Space, Add	6.26	
22 07 19 00-0179 LF 3" Diameter Pipe, 5" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	36.86	7.97
For Single Layer Of Felt Finish, Add	1.60	
For Work In Restricted Working Space, Add	6.49	
22 07 19 00-0180 LF 4" Diameter Pipe, 5" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	40.54	8.35
For Single Layer Of Felt Finish, Add	1.86	
For Work In Restricted Working Space, Add	6.85	
22 07 19 00-0181 LF 6" Diameter Pipe, 5" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	46.40	9.51
For Single Layer Of Felt Finish, Add	2.15	
For Work In Restricted Working Space, Add	7.77	
22 07 19 00-0182 LF 8" Diameter Pipe, 5" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	60.75	10.28
For Single Layer Of Felt Finish, Add	3.35	
For Work In Restricted Working Space, Add	8.67	
22 07 19 00-0183 LF 10" Diameter Pipe, 5" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	72.37	12.21
For Single Layer Of Felt Finish, Add	4.09	
For Work In Restricted Working Space, Add	10.01	
22 07 19 00-0184 LF 12" Diameter Pipe, 5" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	83.00	15.17
For Single Layer Of Felt Finish, Add	4.36	
For Work In Restricted Working Space, Add	12.44	
22 07 19 00-0185 LF 14" Diameter Pipe, 5" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	93.54	16.58
For Single Layer Of Felt Finish, Add	5.07	
For Work In Restricted Working Space, Add	13.58	
22 07 19 00-0186 LF 16" Diameter Pipe, 5" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	111.06	21.21
For Single Layer Of Felt Finish, Add	5.58	
For Work In Restricted Working Space, Add	17.36	
22 07 19 00-0187 LF 18" Diameter Pipe, 5" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	119.00	22.23
For Single Layer Of Felt Finish, Add	6.12	
For Work In Restricted Working Space, Add	18.20	
22 07 19 00-0188 LF 20" Diameter Pipe, 5" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	133.74	25.45
For Single Layer Of Felt Finish, Add	6.75	
For Work In Restricted Working Space, Add	20.83	
22 07 19 00-0189 LF 24" Diameter Pipe, 5" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	159.55	30.72
For Single Layer Of Felt Finish, Add	7.95	
For Work In Restricted Working Space, Add	25.16	
22 07 19 00-0190 LF 26" Diameter Pipe, 5" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	182.82	36.24
For Single Layer Of Felt Finish, Add	8.82	
For Work In Restricted Working Space, Add	29.66	
22 07 19 00-0191 LF 28" Diameter Pipe, 5" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	207.13	42.67
For Single Layer Of Felt Finish, Add	9.52	
For Work In Restricted Working Space, Add	34.93	

22 Plumbing**22 07 Plumbing Insulation****22 07 19 Plumbing Piping Insulation**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0192 LF 30" Diameter Pipe, 5" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	234.98	50.38
For Single Layer Of Felt Finish, Add	10.19	
For Work In Restricted Working Space, Add	41.37	
22 07 19 00-0193 LF 36" Diameter Pipe, 5" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	285.62	64.05
For Single Layer Of Felt Finish, Add	11.58	
For Work In Restricted Working Space, Add	52.60	
22 07 19 00-0194 LF 42" Diameter Pipe, 5" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	336.27	78.01
For Single Layer Of Felt Finish, Add	12.97	
For Work In Restricted Working Space, Add	63.83	
22 07 19 00-0195 LF 44" Diameter Pipe, 5" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	362.77	85.72
For Single Layer Of Felt Finish, Add	13.47	
For Work In Restricted Working Space, Add	70.36	
22 07 19 00-0196 LF 46" Diameter Pipe, 5" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	386.41	92.28
For Single Layer Of Felt Finish, Add	14.01	
For Work In Restricted Working Space, Add	75.90	
22 07 19 00-0197 Foamglas Pipe Insulation, Rigid, Closed Cell <small>(22 07 19)</small>		
Note: Includes adhesive. Excludes fittings (a location requiring purchase of an insulation fitting or cutting and fitting straight sections, excludes couplings, plugs, etc.). For fittings/valves up to 3" add 2 LF for each fitting/valve or 3 LF for each flanged/grooved joint. For fittings/valves >3" add 3 LF for each fitting/valve or 4 LF for each flanged/grooved joint.		
22 07 19 00-0198 1" Thick Foamglas Pipe Insulation <small>(22 07 19 00-0197)</small>		
22 07 19 00-0199 LF 1/2" Diameter Pipe, 1" Thick Foamglas Insulation	18.83	5.31
For Work In Restricted Working Space, Add	4.82	
22 07 19 00-0200 LF 3/4" Diameter Pipe, 1" Thick Foamglas Insulation	19.54	5.31
For Work In Restricted Working Space, Add	4.82	
22 07 19 00-0201 LF 1" Diameter Pipe, 1" Thick Foamglas Insulation	20.48	5.38
For Work In Restricted Working Space, Add	4.89	
22 07 19 00-0202 LF 1-1/4" Diameter Pipe, 1" Thick Foamglas Insulation	20.96	5.46
For Work In Restricted Working Space, Add	4.96	
22 07 19 00-0203 LF 1-1/2" Diameter Pipe, 1" Thick Foamglas Insulation	21.67	5.53
For Work In Restricted Working Space, Add	5.03	
22 07 19 00-0204 LF 2" Diameter Pipe, 1" Thick Foamglas Insulation	23.03	5.69
For Work In Restricted Working Space, Add	5.17	
22 07 19 00-0205 LF 2-1/2" Diameter Pipe, 1" Thick Foamglas Insulation	24.74	5.92
For Work In Restricted Working Space, Add	5.38	
22 07 19 00-0206 LF 3" Diameter Pipe, 1" Thick Foamglas Insulation	26.59	6.07
For Work In Restricted Working Space, Add	5.52	
22 07 19 00-0207 LF 4" Diameter Pipe, 1" Thick Foamglas Insulation	30.58	6.53
For Work In Restricted Working Space, Add	5.94	
22 07 19 00-0208 LF 6" Diameter Pipe, 1" Thick Foamglas Insulation	38.64	7.37
For Work In Restricted Working Space, Add	6.70	
22 07 19 00-0209 1-1/2" Thick Foamglas Pipe Insulation <small>(22 07 19 00-0197)</small>		
22 07 19 00-0210 LF 1/2" Diameter Pipe, 1-1/2" Thick Foamglas Insulation	25.93	6.95
For Work In Restricted Working Space, Add	6.31	
22 07 19 00-0211 LF 3/4" Diameter Pipe, 1-1/2" Thick Foamglas Insulation	26.37	6.95
For Work In Restricted Working Space, Add	6.31	
22 07 19 00-0212 LF 1" Diameter Pipe, 1-1/2" Thick Foamglas Insulation	26.82	6.95
For Work In Restricted Working Space, Add	6.31	
22 07 19 00-0213 LF 1-1/4" Diameter Pipe, 1-1/2" Thick Foamglas Insulation	27.85	7.18
For Work In Restricted Working Space, Add	6.52	
22 07 19 00-0214 LF 1-1/2" Diameter Pipe, 1-1/2" Thick Foamglas Insulation	28.86	7.43
For Work In Restricted Working Space, Add	6.74	
22 07 19 00-0215 LF 2" Diameter Pipe, 1-1/2" Thick Foamglas Insulation	31.05	7.69
For Work In Restricted Working Space, Add	6.99	
22 07 19 00-0216 LF 2-1/2" Diameter Pipe, 1-1/2" Thick Foamglas Insulation	34.53	7.98
For Work In Restricted Working Space, Add	7.25	
22 07 19 00-0217 LF 3" Diameter Pipe, 1-1/2" Thick Foamglas Insulation	37.83	8.28
For Work In Restricted Working Space, Add	7.53	
22 07 19 00-0218 LF 4" Diameter Pipe, 1-1/2" Thick Foamglas Insulation	41.71	8.60
For Work In Restricted Working Space, Add	7.82	
22 07 19 00-0219 LF 6" Diameter Pipe, 1-1/2" Thick Foamglas Insulation	46.91	9.12
For Work In Restricted Working Space, Add	8.29	
22 07 19 00-0220 LF 8" Diameter Pipe, 1-1/2" Thick Foamglas Insulation	50.98	9.69
For Work In Restricted Working Space, Add	8.81	
22 07 19 00-0221 LF 10" Diameter Pipe, 1-1/2" Thick Foamglas Insulation	62.16	11.38
For Work In Restricted Working Space, Add	10.34	
22 07 19 00-0222 LF 12" Diameter Pipe, 1-1/2" Thick Foamglas Insulation	71.35	13.23
For Work In Restricted Working Space, Add	12.02	
22 07 19 00-0223 LF 14" Diameter Pipe, 1-1/2" Thick Foamglas Insulation	77.06	13.68
For Work In Restricted Working Space, Add	12.44	
22 07 19 00-0224 LF 16" Diameter Pipe, 2" Thick Foamglas Insulation	84.90	15.28
For Work In Restricted Working Space, Add	13.89	
22 07 19 00-0225 LF 18" Diameter Pipe, 2" Thick Foamglas Insulation	96.44	18.07
For Work In Restricted Working Space, Add	16.43	
22 07 19 00-0226 LF 20" Diameter Pipe, 2" Thick Foamglas Insulation	107.69	20.01
For Work In Restricted Working Space, Add	18.20	
22 07 19 00-0227 LF 24" Diameter Pipe, 2" Thick Fiberglass Insulation	133.66	22.17
For Work In Restricted Working Space, Add	20.15	



	MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0228	2" Thick Foamglas Pipe Insulation (22 07 19 00-0197)		
22 07 19 00-0229	LF 1/2" Diameter Pipe, 2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	24.80 5.92	6.07
22 07 19 00-0230	LF 3/4" Diameter Pipe, 2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	25.49 5.52	6.07
22 07 19 00-0231	LF 1" Diameter Pipe, 2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	26.39 5.59	6.14
22 07 19 00-0232	LF 1-1/4" Diameter Pipe, 2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	27.71 5.66	6.23
22 07 19 00-0233	LF 1-1/2" Diameter Pipe, 2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	29.05 5.73	6.30
22 07 19 00-0234	LF 2" Diameter Pipe, 2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	32.33 5.94	6.53
22 07 19 00-0235	LF 2-1/2" Diameter Pipe, 2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	33.88 6.15	6.77
22 07 19 00-0236	LF 3" Diameter Pipe, 2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	36.29 6.36	6.99
22 07 19 00-0237	LF 4" Diameter Pipe, 2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	40.72 6.71	7.38
22 07 19 00-0238	LF 6" Diameter Pipe, 2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	48.59 7.62	8.38
22 07 19 00-0239	LF 8" Diameter Pipe, 2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	54.09 8.49	9.35
22 07 19 00-0240	LF 10" Diameter Pipe, 2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	65.66 9.79	10.77
22 07 19 00-0241	LF 12" Diameter Pipe, 2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	81.36 12.17	13.39
22 07 19 00-0242	LF 14" Diameter Pipe, 2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	87.01 13.29	14.61
22 07 19 00-0243	LF 16" Diameter Pipe, 2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	103.23 16.99	18.68
22 07 19 00-0244	LF 18" Diameter Pipe, 2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	112.34 17.83	19.62
22 07 19 00-0245	LF 20" Diameter Pipe, 2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	124.47 20.38	22.42
22 07 19 00-0246	LF 24" Diameter Pipe, 2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	155.86 24.63	27.09
22 07 19 00-0247	2-1/2" Thick Foamglas Pipe Insulation (22 07 19 00-0197)		
22 07 19 00-0248	LF 1/2" Diameter Pipe, 2-1/2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	29.90 5.99	6.58
22 07 19 00-0249	LF 3/4" Diameter Pipe, 2-1/2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	31.07 5.98	6.57
22 07 19 00-0250	LF 1" Diameter Pipe, 2-1/2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	32.59 6.08	6.68
22 07 19 00-0251	LF 1-1/4" Diameter Pipe, 2-1/2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	33.91 6.12	6.73
22 07 19 00-0252	LF 1-1/2" Diameter Pipe, 2-1/2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	35.26 6.17	6.79
22 07 19 00-0253	LF 2" Diameter Pipe, 2-1/2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	37.74 6.43	7.07
22 07 19 00-0254	LF 2-1/2" Diameter Pipe, 2-1/2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	40.11 6.65	7.32
22 07 19 00-0255	LF 3" Diameter Pipe, 2-1/2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	43.47 6.88	7.57
22 07 19 00-0256	LF 4" Diameter Pipe, 2-1/2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	48.58 7.25	7.98
22 07 19 00-0257	LF 6" Diameter Pipe, 2-1/2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	57.98 8.25	9.08
22 07 19 00-0258	LF 8" Diameter Pipe, 2-1/2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	64.61 9.20	10.12
22 07 19 00-0259	LF 10" Diameter Pipe, 2-1/2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	73.75 10.61	11.66
22 07 19 00-0260	LF 12" Diameter Pipe, 2-1/2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	91.82 13.18	14.50
22 07 19 00-0261	LF 14" Diameter Pipe, 2-1/2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	95.91 14.39	15.82
22 07 19 00-0262	LF 16" Diameter Pipe, 2-1/2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	113.47 18.39	20.22
22 07 19 00-0263	LF 18" Diameter Pipe, 2-1/2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	123.20 19.31	21.24
22 07 19 00-0264	LF 20" Diameter Pipe, 2-1/2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	141.62 22.07	24.27
22 07 19 00-0265	LF 24" Diameter Pipe, 2-1/2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	177.11 26.66	29.34
22 07 19 00-0266	3" Thick Foamglas Pipe Insulation (22 07 19 00-0197)		
22 07 19 00-0267	LF 1/2" Diameter Pipe, 3" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	35.92 6.37	7.00
22 07 19 00-0268	LF 3/4" Diameter Pipe, 3" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	36.62 6.37	7.00

22 Plumbing
22 07 Plumbing Insulation
22 07 19 Plumbing Piping Insulation



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0269 LF 1" Diameter Pipe, 3" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	37.67 6.47	7.12
22 07 19 00-0270 LF 1-1/4" Diameter Pipe, 3" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	38.53 6.52	7.17
22 07 19 00-0271 LF 1-1/2" Diameter Pipe, 3" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	39.42 6.57	7.23
22 07 19 00-0272 LF 2" Diameter Pipe, 3" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	42.32 6.84	7.52
22 07 19 00-0273 LF 2-1/2" Diameter Pipe, 3" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	45.08 7.07	7.78
22 07 19 00-0274 LF 3" Diameter Pipe, 3" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	51.03 7.32	8.05
22 07 19 00-0275 LF 4" Diameter Pipe, 3" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	58.09 7.72	8.49
22 07 19 00-0276 LF 6" Diameter Pipe, 3" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	63.69 8.78	9.65
22 07 19 00-0277 LF 8" Diameter Pipe, 3" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	71.89 9.78	10.76
22 07 19 00-0278 LF 10" Diameter Pipe, 3" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	85.69 11.28	12.41
22 07 19 00-0279 LF 12" Diameter Pipe, 3" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	99.75 14.02	15.42
22 07 19 00-0280 LF 14" Diameter Pipe, 3" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	106.87 15.31	16.83
22 07 19 00-0281 LF 16" Diameter Pipe, 3" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	127.88 19.56	21.52
22 07 19 00-0282 LF 18" Diameter Pipe, 3" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	136.82 20.54	22.59
22 07 19 00-0283 LF 20" Diameter Pipe, 3" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	160.19 23.48	25.82
22 07 19 00-0284 LF 24" Diameter Pipe, 3" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	195.76 28.37	31.21
22 07 19 00-0285 3-1/2" Thick Foamglas Pipe Insulation (22 07 19 00-0197)		
22 07 19 00-0286 LF 1/2" Diameter Pipe, 3-1/2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	43.26 7.72	8.49
22 07 19 00-0287 LF 3/4" Diameter Pipe, 3-1/2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	44.15 7.72	8.49
22 07 19 00-0288 LF 1" Diameter Pipe, 3-1/2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	45.21 7.77	8.54
22 07 19 00-0289 LF 1-1/4" Diameter Pipe, 3-1/2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	46.25 7.82	8.59
22 07 19 00-0290 LF 1-1/2" Diameter Pipe, 3-1/2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	47.48 7.92	8.70
22 07 19 00-0291 LF 2" Diameter Pipe, 3-1/2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	52.12 8.19	9.01
22 07 19 00-0292 LF 2-1/2" Diameter Pipe, 3-1/2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	56.81 8.48	9.33
22 07 19 00-0293 LF 3" Diameter Pipe, 3-1/2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	59.98 8.78	9.65
22 07 19 00-0294 LF 4" Diameter Pipe, 3-1/2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	64.20 9.27	10.20
22 07 19 00-0295 LF 6" Diameter Pipe, 3-1/2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	73.88 10.53	11.59
22 07 19 00-0296 LF 8" Diameter Pipe, 3-1/2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	83.96 11.73	12.91
22 07 19 00-0297 LF 10" Diameter Pipe, 3-1/2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	100.32 13.54	14.90
22 07 19 00-0298 LF 12" Diameter Pipe, 3-1/2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	118.70 16.82	18.51
22 07 19 00-0299 LF 14" Diameter Pipe, 3-1/2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	123.99 18.37	20.20
22 07 19 00-0300 LF 16" Diameter Pipe, 3-1/2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	148.93 23.48	25.82
22 07 19 00-0301 LF 18" Diameter Pipe, 3-1/2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	163.46 24.65	27.12
22 07 19 00-0302 LF 20" Diameter Pipe, 3-1/2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	186.13 28.19	31.01
22 07 19 00-0303 LF 24" Diameter Pipe, 3-1/2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	228.45 34.04	37.44
22 07 19 00-0304 4" Thick Foamglas Pipe Insulation (22 07 19 00-0197)		
22 07 19 00-0305 LF 1/2" Diameter Pipe, 4" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	52.70 9.48	10.43
22 07 19 00-0306 LF 3/4" Diameter Pipe, 4" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	53.84 9.48	10.43
22 07 19 00-0307 LF 1" Diameter Pipe, 4" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	55.53 9.65	10.60
22 07 19 00-0308 LF 1-1/4" Diameter Pipe, 4" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	57.04 9.76	10.73
22 07 19 00-0309 LF 1-1/2" Diameter Pipe, 4" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	59.21 10.07	11.08



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0310 LF 2" Diameter Pipe, 4" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	63.87 10.38	11.41
22 07 19 00-0311 LF 2-1/2" Diameter Pipe, 4" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	68.01 10.54	11.60
22 07 19 00-0312 LF 3" Diameter Pipe, 4" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	71.37 10.93	12.02
22 07 19 00-0313 LF 4" Diameter Pipe, 4" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	78.05 12.18	13.40
22 07 19 00-0314 LF 6" Diameter Pipe, 4" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	90.10 13.09	14.39
22 07 19 00-0315 LF 8" Diameter Pipe, 4" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	101.62 14.19	15.61
22 07 19 00-0316 LF 10" Diameter Pipe, 4" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	116.50 16.86	18.54
22 07 19 00-0317 LF 12" Diameter Pipe, 4" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	136.33 20.93	23.03
22 07 19 00-0318 LF 14" Diameter Pipe, 4" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	148.26 22.87	25.15
22 07 19 00-0319 LF 16" Diameter Pipe, 4" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	176.37 29.24	32.16
22 07 19 00-0320 LF 18" Diameter Pipe, 4" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	195.88 30.64	33.70
22 07 19 00-0321 LF 20" Diameter Pipe, 4" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	219.70 35.07	38.57
22 07 19 00-0322 LF 24" Diameter Pipe, 4" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	278.27 42.36	46.61
22 07 19 00-0323 Flexible Polyethylene Tubing Closed Cell Foam Insulation (22 07 19) Note: UV resistant standard temperature (-90 Degree F To +212 Degree F). No additional linear feet for fittings required.		
22 07 19 00-0324 3/8" Wall Flexible Polyethylene Tubing Foam Insulation (22 07 19 00-0323)		
22 07 19 00-0325 LF 1/8" Diameter Pipe, 3/8" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	6.70 1.95	3.25
22 07 19 00-0326 LF 1/4" Diameter Pipe, 3/8" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	6.71 1.95	3.25
22 07 19 00-0327 LF 3/8" Diameter Pipe, 3/8" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	6.72 1.96	3.25
22 07 19 00-0328 LF 1/2" Diameter Pipe, 3/8" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	6.97 2.02	3.37
22 07 19 00-0329 LF 3/4" Diameter Pipe, 3/8" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	7.24 2.09	3.48
22 07 19 00-0330 LF 1" Diameter Pipe, 3/8" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	7.43 2.12	3.55
22 07 19 00-0331 LF 1-1/4" Diameter Pipe, 3/8" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	7.64 2.16	3.60
22 07 19 00-0332 LF 1-1/2" Diameter Pipe, 3/8" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	7.72 2.17	3.60
22 07 19 00-0333 LF 2" Diameter Pipe, 3/8" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	7.90 2.18	3.60
22 07 19 00-0334 LF 2-1/2" Diameter Pipe, 3/8" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	8.36 2.24	3.71
22 07 19 00-0335 LF 3" Diameter Pipe, 3/8" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	8.56 2.28	3.77
22 07 19 00-0336 1/2" Wall Flexible Polyethylene Tubing Foam Insulation (22 07 19 00-0323)		
22 07 19 00-0337 LF 1/8" Diameter Pipe, 1/2" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	7.36 2.12	3.55
22 07 19 00-0338 LF 1/4" Diameter Pipe, 1/2" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	7.38 2.12	3.55
22 07 19 00-0339 LF 3/8" Diameter Pipe, 1/2" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	7.44 2.14	3.55
22 07 19 00-0340 LF 1/2" Diameter Pipe, 1/2" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	7.55 2.16	3.60
22 07 19 00-0341 LF 3/4" Diameter Pipe, 1/2" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	7.64 2.18	3.60
22 07 19 00-0342 LF 1" Diameter Pipe, 1/2" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	7.93 2.23	3.71
22 07 19 00-0343 LF 1-1/4" Diameter Pipe, 1/2" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	7.56 2.09	3.77
22 07 19 00-0344 LF 1-1/2" Diameter Pipe, 1/2" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	8.39 2.30	3.83
22 07 19 00-0345 LF 2" Diameter Pipe, 1/2" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	8.67 2.33	3.88
22 07 19 00-0346 LF 2-1/2" Diameter Pipe, 1/2" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	9.18 2.40	4.00
22 07 19 00-0347 LF 3" Diameter Pipe, 1/2" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	9.65 2.43	4.05
22 07 19 00-0348 LF 3-1/2" Diameter Pipe, 1/2" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	10.09 2.47	4.11
22 07 19 00-0349 LF 4" Diameter Pipe, 1/2" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	10.37 2.50	4.16



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0350 3/4" Wall Flexible Polyethylene Tubing Foam Insulation (22 07 19 00-0323)		
22 07 19 00-0351 LF 1/8" Diameter Pipe, 3/4" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	8.06	3.83
For Work In Restricted Working Space, Add	2.30	
22 07 19 00-0352 LF 1/4" Diameter Pipe, 3/4" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	8.09	3.83
For Work In Restricted Working Space, Add	2.30	
22 07 19 00-0353 LF 3/8" Diameter Pipe, 3/4" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	8.20	3.88
For Work In Restricted Working Space, Add	2.33	
22 07 19 00-0354 LF 1/2" Diameter Pipe, 3/4" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	8.59	4.00
For Work In Restricted Working Space, Add	2.40	
22 07 19 00-0355 LF 3/4" Diameter Pipe, 3/4" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	8.77	4.05
For Work In Restricted Working Space, Add	2.43	
22 07 19 00-0356 LF 1" Diameter Pipe, 3/4" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	9.21	4.16
For Work In Restricted Working Space, Add	2.50	
22 07 19 00-0357 LF 1-1/4" Diameter Pipe, 3/4" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	9.60	4.23
For Work In Restricted Working Space, Add	2.53	
22 07 19 00-0358 LF 1-1/2" Diameter Pipe, 3/4" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	9.79	4.23
For Work In Restricted Working Space, Add	2.55	
22 07 19 00-0359 LF 2" Diameter Pipe, 3/4" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	10.43	4.28
For Work In Restricted Working Space, Add	2.57	
22 07 19 00-0360 LF 2-1/2" Diameter Pipe, 3/4" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	11.40	4.39
For Work In Restricted Working Space, Add	2.64	
22 07 19 00-0361 LF 3" Diameter Pipe, 3/4" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	11.51	4.45
For Work In Restricted Working Space, Add	2.67	
22 07 19 00-0362 LF 3-1/2" Diameter Pipe, 3/4" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	12.19	4.51
For Work In Restricted Working Space, Add	2.71	
22 07 19 00-0363 LF 4" Diameter Pipe, 3/4" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	12.49	4.56
For Work In Restricted Working Space, Add	2.74	
22 07 19 00-0364 1" Wall Flexible Polyethylene Tubing Foam Insulation (22 07 19 00-0323)		
22 07 19 00-0365 LF 1/4" Diameter Pipe, 1" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	9.07	4.23
For Work In Restricted Working Space, Add	2.53	
22 07 19 00-0366 LF 3/8" Diameter Pipe, 1" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	9.25	4.28
For Work In Restricted Working Space, Add	2.57	
22 07 19 00-0367 LF 1/2" Diameter Pipe, 1" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	9.75	4.39
For Work In Restricted Working Space, Add	2.64	
22 07 19 00-0368 LF 3/4" Diameter Pipe, 1" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	9.92	4.45
For Work In Restricted Working Space, Add	2.67	
22 07 19 00-0369 LF 1" Diameter Pipe, 1" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	10.61	4.56
For Work In Restricted Working Space, Add	2.74	
22 07 19 00-0370 LF 1-1/4" Diameter Pipe, 1" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	11.01	4.68
For Work In Restricted Working Space, Add	2.81	
22 07 19 00-0371 LF 1-1/2" Diameter Pipe, 1" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	11.18	4.68
For Work In Restricted Working Space, Add	2.84	
22 07 19 00-0372 LF 2" Diameter Pipe, 1" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	11.79	4.79
For Work In Restricted Working Space, Add	2.88	
22 07 19 00-0373 LF 2-1/2" Diameter Pipe, 1" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	12.29	4.91
For Work In Restricted Working Space, Add	2.94	
22 07 19 00-0374 LF 3" Diameter Pipe, 1" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	12.70	4.97
For Work In Restricted Working Space, Add	2.98	
22 07 19 00-0375 Flexible Elastomeric Tubing Closed Cell Foam Insulation (22 07 19)		
Note: No additional LF for fittings required.		
22 07 19 00-0376 3/8" Wall Flexible Elastomeric Tubing Foam Insulation (22 07 19 00-0375)		
22 07 19 00-0377 LF 1/4" Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	6.75	3.25
For Work In Restricted Working Space, Add	1.95	
22 07 19 00-0378 LF 3/8" Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	6.80	3.25
For Work In Restricted Working Space, Add	1.96	
22 07 19 00-0379 LF 1/2" Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	7.03	3.37
For Work In Restricted Working Space, Add	2.02	
22 07 19 00-0380 LF 5/8" Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	7.13	3.43
For Work In Restricted Working Space, Add	2.05	
22 07 19 00-0381 LF 3/4" Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	7.32	3.48
For Work In Restricted Working Space, Add	2.09	
22 07 19 00-0382 LF 7/8" Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	7.38	3.48
For Work In Restricted Working Space, Add	2.11	
22 07 19 00-0383 LF 1" Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	7.47	3.55
For Work In Restricted Working Space, Add	2.12	
22 07 19 00-0384 LF 1-1/8" Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	7.52	3.55
For Work In Restricted Working Space, Add	2.14	
22 07 19 00-0385 LF 1-1/4" Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	7.68	3.60
For Work In Restricted Working Space, Add	2.16	
22 07 19 00-0386 LF 1-5/8" Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	7.77	3.60
For Work In Restricted Working Space, Add	2.17	
22 07 19 00-0387 LF 2" Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	7.97	3.60
For Work In Restricted Working Space, Add	2.18	
22 07 19 00-0388 LF 2-1/8" Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	8.10	3.65
For Work In Restricted Working Space, Add	2.19	
22 07 19 00-0389 LF 2-3/8" Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	8.30	3.71
For Work In Restricted Working Space, Add	2.23	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0390 LF 2-5/8" Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation..... <i>For Work In Restricted Working Space, Add</i>	8.44 2.24	3.71
22 07 19 00-0391 LF 2-7/8" Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation..... <i>For Work In Restricted Working Space, Add</i>	8.54 2.26	3.77
22 07 19 00-0392 LF 3-1/8" Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation..... <i>For Work In Restricted Working Space, Add</i>	8.69 2.28	3.77
22 07 19 00-0393 LF 3-5/8" Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation..... <i>For Work In Restricted Working Space, Add</i>	8.97 2.30	3.83
22 07 19 00-0394 LF 4-1/8" Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation..... <i>For Work In Restricted Working Space, Add</i>	9.32 2.33	3.88
22 07 19 00-0395 LF 4-1/2" Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation..... <i>For Work In Restricted Working Space, Add</i>	9.67 2.35	3.90
22 07 19 00-0396 1/2" Wall Flexible Elastomeric Tubing Foam Insulation (22 07 19 00-0375)		
22 07 19 00-0397 LF 1/4" Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	7.44 2.12	3.55
22 07 19 00-0398 LF 3/8" Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	7.53 2.14	3.55
22 07 19 00-0399 LF 1/2" Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	7.65 2.16	3.60
22 07 19 00-0400 LF 3/4" Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	7.75 2.18	3.60
22 07 19 00-0401 LF 1" Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	7.98 2.23	3.71
22 07 19 00-0402 LF 1-1/4" Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation..... <i>For Work In Restricted Working Space, Add</i>	8.17 2.26	3.77
22 07 19 00-0403 LF 1-1/2" Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation..... <i>For Work In Restricted Working Space, Add</i>	8.43 2.30	3.83
22 07 19 00-0404 LF 2" Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	8.75 2.33	3.88
22 07 19 00-0405 LF 2-1/2" Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation..... <i>For Work In Restricted Working Space, Add</i>	9.25 2.40	4.00
22 07 19 00-0406 LF 3" Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	9.49 2.43	4.05
22 07 19 00-0407 LF 3-1/2" Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation..... <i>For Work In Restricted Working Space, Add</i>	10.13 2.47	4.11
22 07 19 00-0408 LF 4" Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	10.38 2.50	4.16
22 07 19 00-0409 LF 5" Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	11.24 2.53	4.23
22 07 19 00-0410 LF 6" Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	11.87 2.60	4.33
22 07 19 00-0411 LF 8" Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	13.46 2.67	4.45
22 07 19 00-0412 3/4" Wall Flexible Elastomeric Tubing Foam Insulation (22 07 19 00-0375)		
22 07 19 00-0413 LF 1/4" Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	8.22 2.30	3.83
22 07 19 00-0414 LF 3/8" Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	8.38 2.33	3.88
22 07 19 00-0415 LF 1/2" Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation..... <i>For Work In Restricted Working Space, Add</i>	8.73 2.40	4.00
22 07 19 00-0416 LF 3/4" Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	9.01 2.43	4.05
22 07 19 00-0417 LF 1" Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	9.36 2.50	4.16
22 07 19 00-0418 LF 1-1/4" Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation..... <i>For Work In Restricted Working Space, Add</i>	9.83 2.53	4.23
22 07 19 00-0419 LF 1-1/2" Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation..... <i>For Work In Restricted Working Space, Add</i>	10.13 2.57	4.28
22 07 19 00-0420 LF 2" Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	10.41 2.57	4.28
22 07 19 00-0421 LF 2-1/2" Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation..... <i>For Work In Restricted Working Space, Add</i>	11.25 2.64	4.39
22 07 19 00-0422 LF 3" Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	11.70 2.67	4.45
22 07 19 00-0423 LF 3-1/2" Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation..... <i>For Work In Restricted Working Space, Add</i>	12.33 2.71	4.51
22 07 19 00-0424 LF 4" Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	12.65 2.74	4.56
22 07 19 00-0425 LF 5" Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	8.85 1.39	5.44
22 07 19 00-0426 LF 6" Diameter Pipe, 3/4" Flexible Elastomeric Tubing Closed Cell Foam Insulation..... <i>For Work In Restricted Working Space, Add</i>	14.47 2.81	4.68
22 07 19 00-0427 LF 8" Diameter Pipe, 3/4" Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	15.76 2.88	4.79
22 07 19 00-0428 1" Wall Flexible Elastomeric Tubing Foam Insulation (22 07 19 00-0375)		
22 07 19 00-0429 LF 3/8" Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	9.91 2.57	4.28

22	Plumbing
22 07	Plumbing Insulation
22 07 19	Plumbing Piping Insulation



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0430 LF 1/2" Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	10.22 2.64	4.39
22 07 19 00-0431 LF 3/4" Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	10.65 2.67	4.45
22 07 19 00-0432 LF 1" Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	11.16 2.74	4.56
22 07 19 00-0433 LF 1-1/4" Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	11.66 2.81	4.68
22 07 19 00-0434 LF 1-1/2" Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	12.13 2.84	4.68
22 07 19 00-0435 LF 2" Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	13.16 2.88	4.79
22 07 19 00-0436 LF 2-1/2" Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	14.46 2.94	4.91
22 07 19 00-0437 LF 3" Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	15.09 2.98	4.97
22 07 19 00-0438 LF 3-1/2" Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	15.37 3.01	5.03
22 07 19 00-0439 LF 4" Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	17.05 3.08	5.15
22 07 19 00-0440 LF 5" Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	18.42 3.15	5.25
22 07 19 00-0441 LF 6" Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	19.83 3.22	5.37
22 07 19 00-0442 Flexible Polyolefin Tubing Closed Cell Foam Insulation (22 07 19) Note: UV stabilized, work temperature (-110 degree F to +210 degree F) 0 water vapor transmission. No additional LF for fittings required.		
22 07 19 00-0443 3/8" Wall Flexible Polyolefin Tubing Foam Insulation (22 07 19 00-0442)		
22 07 19 00-0444 LF 1/8" Diameter Pipe, 3/8" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	6.77 1.95	3.25
22 07 19 00-0445 LF 1/4" Diameter Pipe, 3/8" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	6.79 1.95	3.25
22 07 19 00-0446 LF 3/8" Diameter Pipe, 3/8" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	6.83 1.96	3.25
22 07 19 00-0447 LF 1/2" Diameter Pipe, 3/8" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	7.07 2.02	3.37
22 07 19 00-0448 LF 3/4" Diameter Pipe, 3/8" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	7.36 2.09	3.48
22 07 19 00-0449 LF 1" Diameter Pipe, 3/8" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	7.52 2.12	3.55
22 07 19 00-0450 LF 1-1/4" Diameter Pipe, 3/8" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	7.77 2.16	3.60
22 07 19 00-0451 LF 1-1/2" Diameter Pipe, 3/8" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	7.92 2.17	3.60
22 07 19 00-0452 LF 2" Diameter Pipe, 3/8" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	8.04 2.18	3.71
22 07 19 00-0453 LF 2-1/2" Diameter Pipe, 3/8" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	8.61 2.24	3.71
22 07 19 00-0454 LF 3" Diameter Pipe, 3/8" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	9.07 2.28	3.77
22 07 19 00-0455 LF 4" Diameter Pipe, 3/8" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	10.21 2.33	3.88
22 07 19 00-0456 1/2" Wall Flexible Polyolefin Tubing Foam Insulation (22 07 19 00-0442)		
22 07 19 00-0457 LF 1/8" Diameter Pipe, 1/2" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	7.48 2.12	3.55
22 07 19 00-0458 LF 1/4" Diameter Pipe, 1/2" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	7.51 2.12	3.55
22 07 19 00-0459 LF 3/8" Diameter Pipe, 1/2" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	7.57 2.14	3.55
22 07 19 00-0460 LF 1/2" Diameter Pipe, 1/2" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	7.69 2.16	3.60
22 07 19 00-0461 LF 3/4" Diameter Pipe, 1/2" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	7.83 2.18	3.60
22 07 19 00-0462 LF 1" Diameter Pipe, 1/2" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	8.06 2.23	3.71
22 07 19 00-0463 LF 1-1/4" Diameter Pipe, 1/2" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	8.31 2.26	3.77
22 07 19 00-0464 LF 1-1/2" Diameter Pipe, 1/2" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	8.59 2.30	3.83
22 07 19 00-0465 LF 2" Diameter Pipe, 1/2" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	8.86 2.33	3.88
22 07 19 00-0466 LF 2-1/2" Diameter Pipe, 1/2" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	9.47 2.40	4.00
22 07 19 00-0467 LF 3" Diameter Pipe, 1/2" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	9.97 2.43	4.05
22 07 19 00-0468 LF 4" Diameter Pipe, 1/2" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	10.90 2.50	4.16



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0469 3/4" Wall Flexible Polyolefin Tubing Foam Insulation <small>(22 07 19 00-0442)</small>		
22 07 19 00-0470 LF 1/8" Diameter Pipe, 3/4" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	8.25	3.83
For Work In Restricted Working Space, Add	2.30	
22 07 19 00-0471 LF 1/4" Diameter Pipe, 3/4" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	8.29	3.83
For Work In Restricted Working Space, Add	2.30	
22 07 19 00-0472 LF 3/8" Diameter Pipe, 3/4" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	8.50	3.88
For Work In Restricted Working Space, Add	2.33	
22 07 19 00-0473 LF 1/2" Diameter Pipe, 3/4" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	8.81	4.00
For Work In Restricted Working Space, Add	2.40	
22 07 19 00-0474 LF 3/4" Diameter Pipe, 3/4" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	9.16	4.05
For Work In Restricted Working Space, Add	2.43	
22 07 19 00-0475 LF 1" Diameter Pipe, 3/4" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	9.55	4.16
For Work In Restricted Working Space, Add	2.50	
22 07 19 00-0476 LF 1-1/4" Diameter Pipe, 3/4" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	10.08	4.23
For Work In Restricted Working Space, Add	2.53	
22 07 19 00-0477 LF 1-1/2" Diameter Pipe, 3/4" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	10.43	4.23
For Work In Restricted Working Space, Add	2.55	
22 07 19 00-0478 LF 2" Diameter Pipe, 3/4" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	10.82	4.28
For Work In Restricted Working Space, Add	2.57	
22 07 19 00-0479 LF 2-1/2" Diameter Pipe, 3/4" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	11.63	4.39
For Work In Restricted Working Space, Add	2.64	
22 07 19 00-0480 LF 3" Diameter Pipe, 3/4" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	12.32	4.45
For Work In Restricted Working Space, Add	2.67	
22 07 19 00-0481 LF 4" Diameter Pipe, 3/4" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	13.64	4.56
For Work In Restricted Working Space, Add	2.74	
22 07 19 00-0482 1" Wall Flexible Polyolefin Tubing Foam Insulation <small>(22 07 19 00-0442)</small>		
22 07 19 00-0483 LF 1/8" Diameter Pipe, 1" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	9.53	4.23
For Work In Restricted Working Space, Add	2.53	
22 07 19 00-0484 LF 1/4" Diameter Pipe, 1" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	9.56	4.23
For Work In Restricted Working Space, Add	2.53	
22 07 19 00-0485 LF 3/8" Diameter Pipe, 1" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	9.70	4.28
For Work In Restricted Working Space, Add	2.57	
22 07 19 00-0486 LF 1/2" Diameter Pipe, 1" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	10.01	4.39
For Work In Restricted Working Space, Add	2.64	
22 07 19 00-0487 LF 3/4" Diameter Pipe, 1" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	10.49	4.45
For Work In Restricted Working Space, Add	2.67	
22 07 19 00-0488 LF 1" Diameter Pipe, 1" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	10.96	4.56
For Work In Restricted Working Space, Add	2.74	
22 07 19 00-0489 LF 1-1/4" Diameter Pipe, 1" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	11.44	4.68
For Work In Restricted Working Space, Add	2.81	
22 07 19 00-0490 LF 1-1/2" Diameter Pipe, 1" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	11.86	4.68
For Work In Restricted Working Space, Add	2.84	
22 07 19 00-0491 LF 2" Diameter Pipe, 1" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	12.72	4.79
For Work In Restricted Working Space, Add	2.88	
22 07 19 00-0492 LF 2-1/2" Diameter Pipe, 1" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	13.89	4.91
For Work In Restricted Working Space, Add	2.94	
22 07 19 00-0493 LF 3" Diameter Pipe, 1" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	14.71	4.97
For Work In Restricted Working Space, Add	2.98	
22 07 19 00-0494 Flexible Elastomeric Unicellular Insulation <small>(22 07 19)</small>		
Note: 1/2" thick, for refrigeration piping.		
22 07 19 00-0495 LF 1/2" Pipe, (5/8" Outside Diameter Pipe), 1/2" Thick Insulation, Flexible Elastomeric Unicellular Cover.....	7.62	3.60
For Work In Restricted Working Space, Add	2.16	
For 3/8" Thick Covering, Deduct	-0.61	
For 3/4" Thick Covering, Add	1.04	
For 1" Thick Covering, Add	2.01	
22 07 19 00-0496 LF 3/4" Pipe, (7/8" Outside Diameter Pipe), 1/2" Thick Insulation, Flexible Elastomeric Unicellular Cover.....	7.74	3.60
For Work In Restricted Working Space, Add	2.18	
For 3/8" Thick Covering, Deduct	-0.63	
For 3/4" Thick Covering, Add	1.09	
For 1" Thick Covering, Add	2.11	
22 07 19 00-0497 LF 1" Pipe, (1-1/8" Outside Diameter Pipe), 1/2" Thick Insulation, Flexible Elastomeric Unicellular Cover	7.96	3.71
For Work In Restricted Working Space, Add	2.23	
For 3/8" Thick Covering, Deduct	-0.65	
For 3/4" Thick Covering, Add	1.14	
For 1" Thick Covering, Add	2.20	
22 07 19 00-0498 LF 1-1/4" Pipe, (1-3/8" Outside Diameter Pipe), 1/2" Thick Insulation, Flexible Elastomeric Unicellular Cover	8.19	3.77
For Work In Restricted Working Space, Add	2.26	
For 3/8" Thick Covering, Deduct	-0.69	
For 3/4" Thick Covering, Add	1.25	
For 1" Thick Covering, Add	2.40	
22 07 19 00-0499 LF 1-1/2" Pipe, (1-5/8" Outside Diameter Pipe), 1/2" Thick Insulation, Flexible Elastomeric Unicellular Cover	8.44	3.83
For Work In Restricted Working Space, Add	2.30	
For 3/8" Thick Covering, Deduct	-0.73	
For 3/4" Thick Covering, Add	1.36	
For 1" Thick Covering, Add	2.60	
22 07 19 00-0500 LF 2" Pipe, (2-1/8" Outside Diameter Pipe), 1/2" Thick Insulation, Flexible Elastomeric Unicellular Cover	8.69	3.88
For Work In Restricted Working Space, Add	2.33	
For 3/8" Thick Covering, Deduct	-0.78	
For 3/4" Thick Covering, Add	1.47	
For 1" Thick Covering, Add	2.81	

22 Plumbing**22 07 Plumbing Insulation****22 07 19 Plumbing Piping Insulation**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0501	LF		2-1/2" Pipe, (2-5/8" Outside Diameter Pipe), 1/2" Thick Insulation, Flexible Elastomeric Unicellular Cover	9.25	4.00
			<i>For Work In Restricted Working Space, Add</i>	2.40	
			<i>For 3/8" Thick Covering, Deduct</i>	-0.87	
			<i>For 3/4" Thick Covering, Add</i>	1.74	
			<i>For 1" Thick Covering, Add</i>	3.30	
22 07 19 00-0502	LF		3" Pipe, (3-1/8" Outside Diameter Pipe), 1/2" Thick Insulation, Flexible Elastomeric Unicellular Cover.....	9.68	4.05
			<i>For Work In Restricted Working Space, Add</i>	2.43	
			<i>For 3/8" Thick Covering, Deduct</i>	-0.96	
			<i>For 3/4" Thick Covering, Add</i>	1.99	
			<i>For 1" Thick Covering, Add</i>	3.74	
22 07 19 00-0503	LF		3-1/2" Pipe, (3-5/8" Outside Diameter Pipe), 1/2" Thick Insulation, Flexible Elastomeric Unicellular Cover	10.09	4.11
			<i>For Work In Restricted Working Space, Add</i>	2.47	
			<i>For 3/8" Thick Covering, Deduct</i>	-1.04	
			<i>For 3/4" Thick Covering, Add</i>	2.22	
			<i>For 1" Thick Covering, Add</i>	4.17	
22 07 19 00-0504	LF		4" Pipe, (4-1/8" Outside Diameter Pipe), 1/2" Thick Insulation, Flexible Elastomeric Unicellular Cover.....	10.50	4.16
			<i>For Work In Restricted Working Space, Add</i>	2.50	
			<i>For 3/8" Thick Covering, Deduct</i>	-1.13	
			<i>For 3/4" Thick Covering, Add</i>	2.46	
			<i>For 1" Thick Covering, Add</i>	4.60	
22 07 19 00-0505			Insulation Foam Rubber (22 07 19)		
22 07 19 00-0506			Covering 4x6 Sheet (22 07 19 00-0505)		
22 07 19 00-0507	SF		1" Thick Foam Rubber Sheet Insulation.....	19.12	7.72
22 07 19 00-0508			Insulation Protective Jacketing (22 07 19)		
			Note: Jacketing only and must be added to insulation prices.		
22 07 19 00-0509			Aluminum Insulation Protective Jacketing With Bands (22 07 19 00-0508)		
22 07 19 00-0510			Aluminum Roll, Insulation Protective Jacketing With Bands (22 07 19 00-0509)		
22 07 19 00-0511	SF		0.006" Aluminum Insulation Jacket With Bands.....	16.04	6.96
22 07 19 00-0512	SF		0.010" Aluminum Insulation Jacket With Bands.....	16.21	6.96
22 07 19 00-0513	SF		0.016" Aluminum Insulation Jacket With Bands.....	16.37	6.96
22 07 19 00-0514	SF		0.020" Aluminum Insulation Jacket With Bands.....	16.52	6.96
22 07 19 00-0515	SF		0.024" Aluminum Insulation Jacket With Bands.....	16.66	6.96
22 07 19 00-0516			16 Mil, Aluminum Insulation Protective Jacketing With Polykraft Moisture Barrier And Bands (22 07 19 00-0509)		
22 07 19 00-0517	LF		1/2" ID, 0.016" Aluminum Insulation Jacketing.....	8.17	1.98
			<i>For Stucco Embossed, Add</i>	0.00	
			<i>For Corrugated, Add</i>	0.01	
22 07 19 00-0518	LF		3/4" ID, 0.016" Aluminum Insulation Jacketing.....	8.44	2.02
			<i>For Stucco Embossed, Add</i>	0.00	
			<i>For Corrugated, Add</i>	0.01	
22 07 19 00-0519	LF		1" ID, 0.016" Aluminum Insulation Jacketing.....	8.71	2.07
			<i>For Stucco Embossed, Add</i>	0.00	
			<i>For Corrugated, Add</i>	0.01	
22 07 19 00-0520	LF		1-1/4" ID, 0.016" Aluminum Insulation Jacketing	8.99	2.12
			<i>For Stucco Embossed, Add</i>	0.01	
			<i>For Corrugated, Add</i>	0.01	
22 07 19 00-0521	LF		1-1/2" ID, 0.016" Aluminum Insulation Jacketing	9.20	2.15
			<i>For Stucco Embossed, Add</i>	0.01	
			<i>For Corrugated, Add</i>	0.01	
22 07 19 00-0522	LF		1-3/4" ID, 0.016" Aluminum Insulation Jacketing	9.40	2.18
			<i>For Stucco Embossed, Add</i>	0.01	
			<i>For Corrugated, Add</i>	0.02	
22 07 19 00-0523	LF		2" ID, 0.016" Aluminum Insulation Jacketing.....	9.66	2.23
			<i>For Stucco Embossed, Add</i>	0.01	
			<i>For Corrugated, Add</i>	0.02	
22 07 19 00-0524	LF		2-1/4" ID, 0.016" Aluminum Insulation Jacketing	9.94	2.27
			<i>For Stucco Embossed, Add</i>	0.01	
			<i>For Corrugated, Add</i>	0.02	
22 07 19 00-0525	LF		2-1/2" ID, 0.016" Aluminum Insulation Jacketing	10.22	2.32
			<i>For Stucco Embossed, Add</i>	0.01	
			<i>For Corrugated, Add</i>	0.02	
22 07 19 00-0526	LF		2-3/4" ID, 0.016" Aluminum Insulation Jacketing	10.45	2.36
			<i>For Stucco Embossed, Add</i>	0.01	
			<i>For Corrugated, Add</i>	0.03	
22 07 19 00-0527	LF		3" ID, 0.016" Aluminum Insulation Jacketing.....	10.75	2.41
			<i>For Stucco Embossed, Add</i>	0.01	
			<i>For Corrugated, Add</i>	0.03	
22 07 19 00-0528	LF		3-1/4" ID, 0.016" Aluminum Insulation Jacketing	11.05	2.47
			<i>For Stucco Embossed, Add</i>	0.01	
			<i>For Corrugated, Add</i>	0.03	
22 07 19 00-0529	LF		3-1/2" ID, 0.016" Aluminum Insulation Jacketing	11.36	2.52
			<i>For Stucco Embossed, Add</i>	0.01	
			<i>For Corrugated, Add</i>	0.03	
22 07 19 00-0530	LF		3-3/4" ID, 0.016" Aluminum Insulation Jacketing	11.62	2.57
			<i>For Stucco Embossed, Add</i>	0.01	
			<i>For Corrugated, Add</i>	0.03	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0531 LF 4" ID, 0.016" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	11.95 0.01 0.04	2.63
22 07 19 00-0532 LF 4-1/4" ID, 0.016" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	12.29 0.01 0.04	2.70
22 07 19 00-0533 LF 4-1/2" ID, 0.016" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	12.66 0.02 0.04	2.77
22 07 19 00-0534 LF 4-3/4" ID, 0.016" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	12.96 0.02 0.04	2.82
22 07 19 00-0535 LF 5" ID, 0.016" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	13.34 0.02 0.04	2.89
22 07 19 00-0536 LF 5-1/4" ID, 0.016" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	13.73 0.02 0.05	2.98
22 07 19 00-0537 LF 5-1/2" ID, 0.016" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	14.06 0.02 0.05	3.04
22 07 19 00-0538 LF 5-3/4" ID, 0.016" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	14.50 0.02 0.05	3.13
22 07 19 00-0539 LF 6" ID, 0.016" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	14.95 0.02 0.05	3.22
22 07 19 00-0540 LF 6-1/4" ID, 0.016" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	15.23 0.02 0.05	3.27
22 07 19 00-0541 LF 6-1/2" ID, 0.016" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	15.51 0.02 0.06	3.32
22 07 19 00-0542 LF 7" ID, 0.016" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	15.97 0.02 0.06	3.40
22 07 19 00-0543 LF 7-1/4" ID, 0.016" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	16.37 0.02 0.06	3.48
22 07 19 00-0544 LF 7-1/2" ID, 0.016" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	16.68 0.03 0.06	3.54
22 07 19 00-0545 LF 8" ID, 0.016" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	17.08 0.03 0.07	3.60
22 07 19 00-0546 LF 8-1/2" ID, 0.016" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	17.47 0.03 0.07	3.65
22 07 19 00-0547 LF 9" ID, 0.016" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	18.02 0.03 0.08	3.75
22 07 19 00-0548 LF 9-1/2" ID, 0.016" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	18.45 0.03 0.08	3.81
22 07 19 00-0549 LF 10" ID, 0.016" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	18.88 0.03 0.08	3.88
22 07 19 00-0550 LF 10-1/2" ID, 0.016" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	19.32 0.04 0.09	3.95
22 07 19 00-0551 LF 11" ID, 0.0106 Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	19.92 0.04 0.09	4.06
22 07 19 00-0552 LF 11-1/2" ID, 0.016" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	20.40 0.04 0.10	4.14
22 07 19 00-0553 LF 12" ID, 0.016" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	20.89 0.04 0.10	4.22
22 07 19 00-0554 LF 12-1/2" ID, 0.016" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	21.55 0.04 0.10	4.35
22 07 19 00-0555 LF 13" ID, 0.016" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	21.89 0.04 0.11	4.39
22 07 19 00-0556 LF 14" ID, 0.016" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	22.40 0.05 0.12	4.43
22 07 19 00-0557 LF 15" ID, 0.016" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	23.08 0.05 0.12	4.53
22 07 19 00-0558 LF 16" ID, 0.016" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	23.60 0.05 0.13	4.57

22 Plumbing**22 07 Plumbing Insulation****22 07 19 Plumbing Piping Insulation**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0559 LF 17" ID, 0.016" Aluminum Insulation Jacketing..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	24.31 0.06 0.14	4.67
22 07 19 00-0560 LF 18" ID, 0.016" Aluminum Insulation Jacketing..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	24.75 0.06 0.15	4.72
22 07 19 00-0561 LF 19" ID, 0.016" Aluminum Insulation Jacketing..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	25.59 0.06 0.16	4.83
22 07 19 00-0562 LF 20" ID, 0.016" Aluminum Insulation Jacketing..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	26.14 0.07 0.17	4.88
22 07 19 00-0563 LF 21" ID, 0.016" Aluminum Insulation Jacketing..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	26.91 0.07 0.17	5.00
22 07 19 00-0564 LF 22" ID, 0.016" Aluminum Insulation Jacketing..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	27.46 0.07 0.18	5.06
22 07 19 00-0565 LF 23" ID, 0.016" Aluminum Insulation Jacketing..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	28.27 0.08 0.19	5.18
22 07 19 00-0566 LF 24" ID, 0.016" Aluminum Insulation Jacketing..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	28.85 0.08 0.20	5.24
22 07 19 00-0567 20 Mil, Aluminum Insulation Protective Jacketing With Polykraft Moisture Barrier And Bands <small>(22 07 19 00-0509)</small>		
22 07 19 00-0568 LF 1/2" ID, 0.020" Aluminum Insulation Jacketing..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	9.03 0.00 0.01	2.17
22 07 19 00-0569 LF 3/4" ID, 0.020" Aluminum Insulation Jacketing..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	9.33 0.00 0.01	2.22
22 07 19 00-0570 LF 1" ID, 0.020" Aluminum Insulation Jacketing..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	9.66 0.01 0.01	2.28
22 07 19 00-0571 LF 1-1/4" ID, 0.020" Aluminum Insulation Jacketing..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	9.98 0.01 0.02	2.33
22 07 19 00-0572 LF 1-1/2" ID, 0.020" Aluminum Insulation Jacketing..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	10.22 0.01 0.02	2.37
22 07 19 00-0573 LF 1-3/4" ID, 0.020" Aluminum Insulation Jacketing..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	10.46 0.01 0.02	2.40
22 07 19 00-0574 LF 2" ID, 0.020" Aluminum Insulation Jacketing..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	10.76 0.01 0.02	2.45
22 07 19 00-0575 LF 2-1/4" ID, 0.020" Aluminum Insulation Jacketing..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	11.06 0.01 0.03	2.50
22 07 19 00-0576 LF 2-1/2" ID, 0.020" Aluminum Insulation Jacketing..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	11.40 0.01 0.03	2.55
22 07 19 00-0577 LF 2-3/4" ID, 0.020" Aluminum Insulation Jacketing..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	11.66 0.01 0.03	2.60
22 07 19 00-0578 LF 3" ID, 0.020" Aluminum Insulation Jacketing..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	12.00 0.01 0.03	2.65
22 07 19 00-0579 LF 3-1/4" ID, 0.020" Aluminum Insulation Jacketing..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	12.35 0.01 0.04	2.71
22 07 19 00-0580 LF 3-1/2" ID, 0.020" Aluminum Insulation Jacketing..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	12.71 0.02 0.04	2.78
22 07 19 00-0581 LF 3-3/4" ID, 0.020" Aluminum Insulation Jacketing..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	13.01 0.02 0.04	2.83
22 07 19 00-0582 LF 4" ID, 0.020" Aluminum Insulation Jacketing..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	13.38 0.02 0.04	2.89
22 07 19 00-0583 LF 4-1/4" ID, 0.020" Aluminum Insulation Jacketing..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	13.77 0.02 0.05	2.98
22 07 19 00-0584 LF 4-1/2" ID, 0.020" Aluminum Insulation Jacketing..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	14.19 0.02 0.05	3.05
22 07 19 00-0585 LF 4-3/4" ID, 0.020" Aluminum Insulation Jacketing..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	14.53 0.02 0.05	3.11
22 07 19 00-0586 LF 5" ID, 0.020" Aluminum Insulation Jacketing..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	14.96 0.02 0.06	3.19



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0587 LF 5-1/4" ID, 0.020" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	15.42 0.02 0.06	3.28
22 07 19 00-0588 LF 5-1/2" ID, 0.020" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	15.79 0.02 0.06	3.35
22 07 19 00-0589 LF 5-3/4" ID, 0.020" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	16.29 0.03 0.06	3.44
22 07 19 00-0590 LF 6" ID, 0.020" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	16.80 0.03 0.07	3.54
22 07 19 00-0591 LF 6-1/4" ID, 0.020" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	17.11 0.03 0.07	3.60
22 07 19 00-0592 LF 6-1/2" ID, 0.020" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	17.43 0.03 0.07	3.65
22 07 19 00-0593 LF 7" ID, 0.020" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	17.97 0.03 0.08	3.74
22 07 19 00-0594 LF 7-1/4" ID, 0.020" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	18.43 0.03 0.08	3.83
22 07 19 00-0595 LF 7-1/2" ID, 0.020" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	18.78 0.03 0.08	3.89
22 07 19 00-0596 LF 8" ID, 0.020" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	19.25 0.03 0.09	3.96
22 07 19 00-0597 LF 8-1/2" ID, 0.020" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	19.70 0.04 0.09	4.02
22 07 19 00-0598 LF 9" ID, 0.020" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	20.33 0.04 0.10	4.12
22 07 19 00-0599 LF 9-1/2" ID, 0.020" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	20.83 0.04 0.10	4.19
22 07 19 00-0600 LF 10" ID, 0.020" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	21.33 0.04 0.11	4.27
22 07 19 00-0601 LF 10-1/2" ID, 0.020" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	21.85 0.04 0.11	4.35
22 07 19 00-0602 LF 11" ID, 0.0106 Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	22.54 0.05 0.12	4.47
22 07 19 00-0603 LF 11-1/2" ID, 0.020" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	23.10 0.05 0.12	4.55
22 07 19 00-0604 LF 12" ID, 0.020" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	23.65 0.05 0.13	4.64
22 07 19 00-0605 LF 12-1/2" ID, 0.020" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	24.41 0.05 0.13	4.78
22 07 19 00-0606 LF 13" ID, 0.020" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	24.82 0.05 0.14	4.83
22 07 19 00-0607 LF 14" ID, 0.020" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	25.43 0.06 0.15	4.88
22 07 19 00-0608 LF 15" ID, 0.020" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	26.24 0.06 0.16	4.99
22 07 19 00-0609 LF 16" ID, 0.020" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	26.86 0.07 0.17	5.04
22 07 19 00-0610 LF 17" ID, 0.020" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	27.70 0.07 0.18	5.15
22 07 19 00-0611 LF 18" ID, 0.020" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	28.21 0.07 0.19	5.20
22 07 19 00-0612 LF 19" ID, 0.020" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	29.22 0.08 0.20	5.32
22 07 19 00-0613 LF 20" ID, 0.020" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	29.88 0.08 0.21	5.38
22 07 19 00-0614 LF 21" ID, 0.020" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	30.78 0.09 0.22	5.50

22 Plumbing**22 07 Plumbing Insulation****22 07 19 Plumbing Piping Insulation**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0615 LF 22" ID, 0.020" Aluminum Insulation Jacketing..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	31.43 0.09 0.23	5.56
22 07 19 00-0616 LF 23" ID, 0.020" Aluminum Insulation Jacketing..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	32.38 0.10 0.24	5.69
22 07 19 00-0617 LF 24" ID, 0.020" Aluminum Insulation Jacketing..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	33.07 0.10 0.25	5.76
22 07 19 00-0618 24 Mil, Aluminum Insulation Protective Jacketing With Polykraft Moisture Barrier And Bands <small>(22 07 19 00-0509)</small>		
22 07 19 00-0619 LF 1/2" ID, 0.024" Aluminum Insulation Jacketing..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	9.90 0.00 0.01	2.37
22 07 19 00-0620 LF 3/4" ID, 0.024" Aluminum Insulation Jacketing..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	10.24 0.01 0.01	2.42
22 07 19 00-0621 LF 1" ID, 0.024" Aluminum Insulation Jacketing..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	10.59 0.01 0.02	2.48
22 07 19 00-0622 LF 1-1/4" ID, 0.024" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	10.96 0.01 0.02	2.54
22 07 19 00-0623 LF 1-1/2" ID, 0.024" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	11.23 0.01 0.02	2.58
22 07 19 00-0624 LF 1-3/4" ID, 0.024" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	11.50 0.01 0.03	2.62
22 07 19 00-0625 LF 2" ID, 0.024" Aluminum Insulation Jacketing..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	11.84 0.01 0.03	2.67
22 07 19 00-0626 LF 2-1/4" ID, 0.024" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	12.19 0.01 0.03	2.73
22 07 19 00-0627 LF 2-1/2" ID, 0.024" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	12.56 0.01 0.04	2.79
22 07 19 00-0628 LF 2-3/4" ID, 0.024" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	12.86 0.02 0.04	2.83
22 07 19 00-0629 LF 3" ID, 0.024" Aluminum Insulation Jacketing..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	13.25 0.02 0.04	2.89
22 07 19 00-0630 LF 3-1/4" ID, 0.024" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	13.64 0.02 0.04	2.97
22 07 19 00-0631 LF 3-1/2" ID, 0.024" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	14.03 0.02 0.05	3.04
22 07 19 00-0632 LF 3-3/4" ID, 0.024" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	14.36 0.02 0.05	3.09
22 07 19 00-0633 LF 4" ID, 0.024" Aluminum Insulation Jacketing..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	14.78 0.02 0.05	3.17
22 07 19 00-0634 LF 4-1/4" ID, 0.024" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	15.23 0.02 0.06	3.24
22 07 19 00-0635 LF 4-1/2" ID, 0.024" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	15.69 0.02 0.06	3.33
22 07 19 00-0636 LF 4-3/4" ID, 0.024" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	16.07 0.03 0.06	3.39
22 07 19 00-0637 LF 5" ID, 0.024" Aluminum Insulation Jacketing..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	16.55 0.03 0.07	3.48
22 07 19 00-0638 LF 5-1/4" ID, 0.024" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	17.06 0.03 0.07	3.58
22 07 19 00-0639 LF 5-1/2" ID, 0.024" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	17.48 0.03 0.07	3.65
22 07 19 00-0640 LF 5-3/4" ID, 0.024" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	18.04 0.03 0.08	3.75
22 07 19 00-0641 LF 6" ID, 0.024" Aluminum Insulation Jacketing..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	18.61 0.03 0.08	3.86
22 07 19 00-0642 LF 6-1/4" ID, 0.024" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	18.96 0.03 0.08	3.92



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0643 LF 6-1/2" ID, 0.024" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	19.32 0.03 0.08	3.98
22 07 19 00-0644 LF 7" ID, 0.024" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	19.92 0.04 0.09	4.08
22 07 19 00-0645 LF 7-1/4" ID, 0.024" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	20.43 0.04 0.09	4.17
22 07 19 00-0646 LF 7-1/2" ID, 0.024" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	20.83 0.04 0.10	4.24
22 07 19 00-0647 LF 8" ID, 0.024" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	21.36 0.04 0.10	4.31
22 07 19 00-0648 LF 8-1/2" ID, 0.024" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	21.89 0.04 0.11	4.38
22 07 19 00-0649 LF 9" ID, 0.024" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	22.58 0.05 0.11	4.49
22 07 19 00-0650 LF 9-1/2" ID, 0.024" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	23.15 0.05 0.12	4.57
22 07 19 00-0651 LF 10" ID, 0.024" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	23.72 0.05 0.13	4.65
22 07 19 00-0652 LF 10-1/2" ID, 0.024" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	24.31 0.05 0.13	4.74
22 07 19 00-0653 LF 11" ID, 0.0106 Aluminum Insulation Jacketing..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	25.08 0.06 0.14	4.87
22 07 19 00-0654 LF 11-1/2" ID, 0.024" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	25.71 0.06 0.15	4.97
22 07 19 00-0655 LF 12" ID, 0.024" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	26.34 0.06 0.15	5.07
22 07 19 00-0656 LF 12-1/2" ID, 0.024" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	27.19 0.06 0.16	5.22
22 07 19 00-0657 LF 13" ID, 0.024" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	27.65 0.07 0.16	5.27
22 07 19 00-0658 LF 14" ID, 0.024" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	28.37 0.07 0.18	5.33
22 07 19 00-0659 LF 15" ID, 0.024" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	29.29 0.08 0.19	5.44
22 07 19 00-0660 LF 16" ID, 0.024" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	30.03 0.08 0.20	5.49
22 07 19 00-0661 LF 17" ID, 0.024" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	30.97 0.09 0.21	5.61
22 07 19 00-0662 LF 18" ID, 0.024" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	31.56 0.09 0.22	5.67
22 07 19 00-0663 LF 19" ID, 0.024" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	32.72 0.10 0.24	5.80
22 07 19 00-0664 LF 20" ID, 0.024" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	33.48 0.10 0.25	5.86
22 07 19 00-0665 LF 21" ID, 0.024" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	34.51 0.11 0.26	6.00
22 07 19 00-0666 LF 22" ID, 0.024" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	35.26 0.11 0.28	6.07
22 07 19 00-0667 LF 23" ID, 0.024" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	36.36 0.12 0.29	6.21
22 07 19 00-0668 LF 24" ID, 0.024" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	37.14 0.12 0.30	6.28
22 07 19 00-0669 32 Mil, Aluminum Insulation Protective Jacketing With Polykraft Moisture Barrier And Bands (22 07 19 00-0509)		
22 07 19 00-0670 LF 1/2" ID, 0.032" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	11.06 0.01 0.01	2.63

22 Plumbing**22 07 Plumbing Insulation****22 07 19 Plumbing Piping Insulation**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0671 LF 3/4" ID, 0.032" Aluminum Insulation Jacketing.....	11.46	2.69
For Stucco Embossed, Add	0.01	
For Corrugated, Add	0.02	
22 07 19 00-0672 LF 1" ID, 0.032" Aluminum Insulation Jacketing.....	11.90	2.75
For Stucco Embossed, Add	0.01	
For Corrugated, Add	0.02	
22 07 19 00-0673 LF 1-1/4" ID, 0.032" Aluminum Insulation Jacketing.....	12.33	2.82
For Stucco Embossed, Add	0.01	
For Corrugated, Add	0.03	
22 07 19 00-0674 LF 1-1/2" ID, 0.032" Aluminum Insulation Jacketing.....	12.65	2.86
For Stucco Embossed, Add	0.01	
For Corrugated, Add	0.03	
22 07 19 00-0675 LF 1-3/4" ID, 0.032" Aluminum Insulation Jacketing.....	12.99	2.90
For Stucco Embossed, Add	0.01	
For Corrugated, Add	0.03	
22 07 19 00-0676 LF 2" ID, 0.032" Aluminum Insulation Jacketing.....	13.39	2.97
For Stucco Embossed, Add	0.02	
For Corrugated, Add	0.04	
22 07 19 00-0677 LF 2-1/4" ID, 0.032" Aluminum Insulation Jacketing.....	13.80	3.03
For Stucco Embossed, Add	0.02	
For Corrugated, Add	0.04	
22 07 19 00-0678 LF 2-1/2" ID, 0.032" Aluminum Insulation Jacketing.....	14.25	3.10
For Stucco Embossed, Add	0.02	
For Corrugated, Add	0.05	
22 07 19 00-0679 LF 2-3/4" ID, 0.032" Aluminum Insulation Jacketing.....	14.61	3.15
For Stucco Embossed, Add	0.02	
For Corrugated, Add	0.05	
22 07 19 00-0680 LF 3" ID, 0.032" Aluminum Insulation Jacketing.....	15.06	3.22
For Stucco Embossed, Add	0.02	
For Corrugated, Add	0.06	
22 07 19 00-0681 LF 3-1/4" ID, 0.032" Aluminum Insulation Jacketing.....	15.54	3.29
For Stucco Embossed, Add	0.02	
For Corrugated, Add	0.06	
22 07 19 00-0682 LF 3-1/2" ID, 0.032" Aluminum Insulation Jacketing.....	16.00	3.36
For Stucco Embossed, Add	0.03	
For Corrugated, Add	0.06	
22 07 19 00-0683 LF 3-3/4" ID, 0.032" Aluminum Insulation Jacketing.....	16.40	3.42
For Stucco Embossed, Add	0.03	
For Corrugated, Add	0.07	
22 07 19 00-0684 LF 4" ID, 0.032" Aluminum Insulation Jacketing.....	16.90	3.51
For Stucco Embossed, Add	0.03	
For Corrugated, Add	0.07	
22 07 19 00-0685 LF 4-1/4" ID, 0.032" Aluminum Insulation Jacketing.....	17.40	3.59
For Stucco Embossed, Add	0.03	
For Corrugated, Add	0.08	
22 07 19 00-0686 LF 4-1/2" ID, 0.032" Aluminum Insulation Jacketing.....	17.95	3.68
For Stucco Embossed, Add	0.03	
For Corrugated, Add	0.08	
22 07 19 00-0687 LF 4-3/4" ID, 0.032" Aluminum Insulation Jacketing.....	18.41	3.76
For Stucco Embossed, Add	0.03	
For Corrugated, Add	0.08	
22 07 19 00-0688 LF 5" ID, 0.032" Aluminum Insulation Jacketing.....	18.97	3.86
For Stucco Embossed, Add	0.04	
For Corrugated, Add	0.09	
22 07 19 00-0689 LF 5-1/4" ID, 0.032" Aluminum Insulation Jacketing.....	19.55	3.96
For Stucco Embossed, Add	0.04	
For Corrugated, Add	0.09	
22 07 19 00-0690 LF 5-1/2" ID, 0.032" Aluminum Insulation Jacketing.....	20.05	4.04
For Stucco Embossed, Add	0.04	
For Corrugated, Add	0.10	
22 07 19 00-0691 LF 5-3/4" ID, 0.032" Aluminum Insulation Jacketing.....	20.70	4.16
For Stucco Embossed, Add	0.04	
For Corrugated, Add	0.10	
22 07 19 00-0692 LF 6" ID, 0.032" Aluminum Insulation Jacketing.....	21.36	4.28
For Stucco Embossed, Add	0.04	
For Corrugated, Add	0.11	
22 07 19 00-0693 LF 6-1/4" ID, 0.032" Aluminum Insulation Jacketing.....	21.78	4.35
For Stucco Embossed, Add	0.04	
For Corrugated, Add	0.11	
22 07 19 00-0694 LF 6-1/2" ID, 0.032" Aluminum Insulation Jacketing.....	22.21	4.41
For Stucco Embossed, Add	0.05	
For Corrugated, Add	0.11	
22 07 19 00-0695 LF 7" ID, 0.032" Aluminum Insulation Jacketing.....	22.93	4.51
For Stucco Embossed, Add	0.05	
For Corrugated, Add	0.12	
22 07 19 00-0696 LF 7-1/4" ID, 0.032" Aluminum Insulation Jacketing.....	23.52	4.62
For Stucco Embossed, Add	0.05	
For Corrugated, Add	0.13	
22 07 19 00-0697 LF 7-1/2" ID, 0.032" Aluminum Insulation Jacketing.....	23.98	4.70
For Stucco Embossed, Add	0.05	
For Corrugated, Add	0.13	
22 07 19 00-0698 LF 8" ID, 0.032" Aluminum Insulation Jacketing.....	24.64	4.78
For Stucco Embossed, Add	0.06	
For Corrugated, Add	0.14	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0699 LF 8-1/2" ID, 0.032" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	25.27 0.06 0.15	4.85
22 07 19 00-0700 LF 9" ID, 0.032" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	26.10 0.06 0.15	4.99
22 07 19 00-0701 LF 9-1/2" ID, 0.032" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	26.80 0.07 0.16	5.08
22 07 19 00-0702 LF 10" ID, 0.032" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	27.48 0.07 0.17	5.17
22 07 19 00-0703 LF 10-1/2" ID, 0.032" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	28.19 0.07 0.18	5.26
22 07 19 00-0704 LF 11" ID, 0.0106 Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	29.11 0.07 0.19	5.41
22 07 19 00-0705 LF 11-1/2" ID, 0.032" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	29.86 0.08 0.20	5.51
22 07 19 00-0706 LF 12" ID, 0.032" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	30.61 0.08 0.20	5.62
22 07 19 00-0707 LF 12-1/2" ID, 0.032" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	31.62 0.08 0.21	5.78
22 07 19 00-0708 LF 13" ID, 0.032" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	32.17 0.09 0.22	5.84
22 07 19 00-0709 LF 14" ID, 0.032" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	33.09 0.09 0.24	5.90
22 07 19 00-0710 LF 15" ID, 0.032" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	34.23 0.10 0.25	6.02
22 07 19 00-0711 LF 16" ID, 0.032" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	35.15 0.11 0.27	6.09
22 07 19 00-0712 LF 17" ID, 0.032" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	36.33 0.11 0.29	6.22
22 07 19 00-0713 LF 18" ID, 0.032" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	37.05 0.12 0.30	6.28
22 07 19 00-0714 LF 19" ID, 0.032" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	38.49 0.13 0.32	6.42
22 07 19 00-0715 LF 20" ID, 0.032" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	39.45 0.13 0.34	6.49
22 07 19 00-0716 LF 21" ID, 0.032" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	40.70 0.14 0.35	6.64
22 07 19 00-0717 LF 22" ID, 0.032" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	41.67 0.15 0.37	6.72
22 07 19 00-0718 LF 23" ID, 0.032" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	42.98 0.15 0.39	6.88
22 07 19 00-0719 LF 24" ID, 0.032" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	43.96 0.16 0.40	6.97
22 07 19 00-0720 40 Mil, Aluminum Insulation Protective Jacketing With Polykraft Moisture Barrier And Bands <small>(22 07 19 00-0509)</small>		
22 07 19 00-0721 LF 1/2" ID, 0.040" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	12.78 0.01 0.02	3.03
22 07 19 00-0722 LF 3/4" ID, 0.040" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	13.27 0.01 0.02	3.10
22 07 19 00-0723 LF 1" ID, 0.040" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	13.77 0.01 0.03	3.17
22 07 19 00-0724 LF 1-1/4" ID, 0.040" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	14.29 0.01 0.03	3.25
22 07 19 00-0725 LF 1-1/2" ID, 0.040" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	14.69 0.02 0.04	3.30
22 07 19 00-0726 LF 1-3/4" ID, 0.040" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	15.09 0.02 0.04	3.35

22 Plumbing**22 07 Plumbing Insulation****22 07 19 Plumbing Piping Insulation**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0727 LF 2" ID, 0.040" Aluminum Insulation Jacketing..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	15.57 0.02 0.05	3.41
22 07 19 00-0728 LF 2-1/4" ID, 0.040" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	16.05 0.02 0.05	3.48
22 07 19 00-0729 LF 2-1/2" ID, 0.040" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	16.59 0.02 0.06	3.56
22 07 19 00-0730 LF 2-3/4" ID, 0.040" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	17.02 0.03 0.06	3.62
22 07 19 00-0731 LF 3" ID, 0.040" Aluminum Insulation Jacketing..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	17.57 0.03 0.07	3.70
22 07 19 00-0732 LF 3-1/4" ID, 0.040" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	18.12 0.03 0.08	3.78
22 07 19 00-0733 LF 3-1/2" ID, 0.040" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	18.67 0.03 0.08	3.87
22 07 19 00-0734 LF 3-3/4" ID, 0.040" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	19.14 0.03 0.09	3.94
22 07 19 00-0735 LF 4" ID, 0.040" Aluminum Insulation Jacketing..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	19.73 0.04 0.09	4.03
22 07 19 00-0736 LF 4-1/4" ID, 0.040" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	20.33 0.04 0.10	4.13
22 07 19 00-0737 LF 4-1/2" ID, 0.040" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	20.99 0.04 0.10	4.24
22 07 19 00-0738 LF 4-3/4" ID, 0.040" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	21.53 0.04 0.11	4.32
22 07 19 00-0739 LF 5" ID, 0.040" Aluminum Insulation Jacketing..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	22.19 0.04 0.11	4.43
22 07 19 00-0740 LF 5-1/4" ID, 0.040" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	22.88 0.05 0.12	4.55
22 07 19 00-0741 LF 5-1/2" ID, 0.040" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	23.46 0.05 0.12	4.65
22 07 19 00-0742 LF 5-3/4" ID, 0.040" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	24.24 0.05 0.13	4.78
22 07 19 00-0743 LF 6" ID, 0.040" Aluminum Insulation Jacketing..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	25.01 0.05 0.13	4.92
22 07 19 00-0744 LF 6-1/4" ID, 0.040" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	25.50 0.06 0.14	5.01
22 07 19 00-0745 LF 6-1/2" ID, 0.040" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	26.02 0.06 0.14	5.08
22 07 19 00-0746 LF 7" ID, 0.040" Aluminum Insulation Jacketing..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	26.87 0.06 0.15	5.20
22 07 19 00-0747 LF 7-1/4" ID, 0.040" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	27.59 0.06 0.16	5.32
22 07 19 00-0748 LF 7-1/2" ID, 0.040" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	28.13 0.07 0.16	5.41
22 07 19 00-0749 LF 8" ID, 0.040" Aluminum Insulation Jacketing..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	28.91 0.07 0.17	5.50
22 07 19 00-0750 LF 8-1/2" ID, 0.040" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	29.68 0.07 0.18	5.59
22 07 19 00-0751 LF 9" ID, 0.040" Aluminum Insulation Jacketing..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	30.67 0.08 0.19	5.74
22 07 19 00-0752 LF 9-1/2" ID, 0.040" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	31.51 0.08 0.20	5.84
22 07 19 00-0753 LF 10" ID, 0.040" Aluminum Insulation Jacketing..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	32.34 0.09 0.21	5.94
22 07 19 00-0754 LF 10-1/2" ID, 0.040" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	33.18 0.09 0.22	6.05



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0755 LF 11" ID, 0.0106 Aluminum Insulation Jacketing..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	34.27 0.09 0.24	6.21
22 07 19 00-0756 LF 11-1/2" ID, 0.040" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	35.17 0.10 0.25	6.33
22 07 19 00-0757 LF 12" ID, 0.040" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	36.07 0.10 0.26	6.46
22 07 19 00-0758 LF 12-1/2" ID, 0.040" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	37.25 0.11 0.27	6.65
22 07 19 00-0759 LF 13" ID, 0.040" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	37.94 0.11 0.28	6.72
22 07 19 00-0760 LF 14" ID, 0.040" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	39.05 0.12 0.30	6.78
22 07 19 00-0761 LF 15" ID, 0.040" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	40.44 0.13 0.32	6.93
22 07 19 00-0762 LF 16" ID, 0.040" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	41.58 0.14 0.34	7.01
22 07 19 00-0763 LF 17" ID, 0.040" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	42.99 0.14 0.36	7.16
22 07 19 00-0764 LF 18" ID, 0.040" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	43.87 0.15 0.37	7.23
22 07 19 00-0765 LF 19" ID, 0.040" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	45.61 0.16 0.40	7.39
22 07 19 00-0766 LF 20" ID, 0.040" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	46.79 0.17 0.42	7.48
22 07 19 00-0767 LF 21" ID, 0.040" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	48.30 0.18 0.44	7.65
22 07 19 00-0768 LF 22" ID, 0.040" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	49.47 0.19 0.46	7.74
22 07 19 00-0769 LF 23" ID, 0.040" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	51.06 0.19 0.48	7.92
22 07 19 00-0770 LF 24" ID, 0.040" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	52.25 0.20 0.51	8.01
22 07 19 00-0771 Aluminum Insulation Protective Jacketing For Fittings (22 07 19 00-0509)		
22 07 19 00-0772 EA 1-1/2" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	16.48	3.11
22 07 19 00-0773 EA 1-3/4" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	16.94	3.22
22 07 19 00-0774 EA 2" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing.....	18.49	3.35
22 07 19 00-0775 EA 2-1/4" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	18.70	3.40
22 07 19 00-0776 EA 2-1/2" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	18.91	3.45
22 07 19 00-0777 EA 2-3/4" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	19.25	3.54
22 07 19 00-0778 EA 3" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing.....	20.03	3.62
22 07 19 00-0779 EA 3-1/4" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	20.41	3.72
22 07 19 00-0780 EA 3-1/2" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	21.68	3.78
22 07 19 00-0781 EA 3-3/4" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	22.11	3.85
22 07 19 00-0782 EA 4" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing.....	22.84	3.95
22 07 19 00-0783 EA 4-1/4" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	23.33	4.03
22 07 19 00-0784 EA 4-1/2" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	23.63	4.10
22 07 19 00-0785 EA 4-3/4" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	23.95	4.18
22 07 19 00-0786 EA 5" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing.....	25.20	4.26
22 07 19 00-0787 EA 5-1/4" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	26.79	4.35
22 07 19 00-0788 EA 5-1/2" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	29.64	4.48
22 07 19 00-0789 EA 5-3/4" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	30.01	4.57
22 07 19 00-0790 EA 6" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing.....	28.90	4.72
22 07 19 00-0791 EA 6-1/4" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	29.31	4.83
22 07 19 00-0792 EA 6-1/2" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	32.02	5.00
22 07 19 00-0793 EA 7" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing.....	35.06	5.12
22 07 19 00-0794 EA 7-1/4" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	35.30	5.18
22 07 19 00-0795 EA 7-1/2" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	42.43	5.24
22 07 19 00-0796 EA 8" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing.....	37.22	5.31
22 07 19 00-0797 EA 8-1/2" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	51.32	5.44
22 07 19 00-0798 EA 9" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing.....	51.87	5.58
22 07 19 00-0799 EA 9-1/2" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	44.34	5.65
22 07 19 00-0800 EA 10" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing.....	44.65	5.72
22 07 19 00-0801 EA 10-1/2" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing.....	45.42	5.80
22 07 19 00-0802 EA 11" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing.....	45.73	5.88
22 07 19 00-0803 EA 11-1/2" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing.....	49.42	6.04

22 Plumbing
22 07 Plumbing Insulation
22 07 19 Plumbing Piping Insulation



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0804 EA 12" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing.....	49.76	6.12
22 07 19 00-0805 EA 12-1/2" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing.....	70.19	6.30
22 07 19 00-0806 EA 13" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing.....	70.55	6.39
22 07 19 00-0807 EA 14" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing.....	86.67	6.58
22 07 19 00-0808 EA 15" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing.....	90.23	6.79
22 07 19 00-0809 EA 16" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing.....	96.39	6.90
22 07 19 00-0810 EA 2-1/2" ID, Aluminum 45 Degree Elbow Insulation Jacketing.....	18.02	3.45
22 07 19 00-0811 EA 2-3/4" ID, Aluminum 45 Degree Elbow Insulation Jacketing.....	18.36	3.54
22 07 19 00-0812 EA 3" ID, Aluminum 45 Degree Elbow Insulation Jacketing.....	19.26	3.62
22 07 19 00-0813 EA 3-1/4" ID, Aluminum 45 Degree Elbow Insulation Jacketing.....	19.64	3.72
22 07 19 00-0814 EA 3-1/2" ID Aluminum 45 Degree Elbow Insulation Jacketing.....	20.57	3.78
22 07 19 00-0815 EA 3-3/4" ID, Aluminum 45 Degree Elbow Insulation Jacketing.....	20.83	3.85
22 07 19 00-0816 EA 4" ID, Aluminum 45 Degree Elbow Insulation Jacketing.....	21.34	3.95
22 07 19 00-0817 EA 4-1/4" ID, Aluminum 45 Degree Elbow Insulation Jacketing.....	22.41	4.03
22 07 19 00-0818 EA 4-1/2" ID, Aluminum 45 Degree Elbow Insulation Jacketing.....	22.71	4.10
22 07 19 00-0819 EA 4-3/4" ID, Aluminum 45 Degree Elbow Insulation Jacketing.....	23.03	4.18
22 07 19 00-0820 EA 5" ID, Aluminum 45 Degree Elbow Insulation Jacketing.....	24.46	4.26
22 07 19 00-0821 EA 5-1/4" ID, Aluminum 45 Degree Elbow Insulation Jacketing.....	24.80	4.35
22 07 19 00-0822 EA 5-1/2" ID, Aluminum 45 Degree Elbow Insulation Jacketing.....	25.70	4.48
22 07 19 00-0823 EA 6" ID, Aluminum 45 Degree Elbow Insulation Jacketing.....	26.68	4.72
22 07 19 00-0824 EA 6-1/2" ID, Aluminum 45 Degree Elbow Insulation Jacketing.....	30.72	5.00
22 07 19 00-0825 EA 7" ID, Aluminum 45 Degree Elbow Insulation Jacketing.....	31.19	5.12
22 07 19 00-0826 EA 7-1/2" ID, Aluminum 45 Degree Elbow Insulation Jacketing.....	31.79	5.24
22 07 19 00-0827 EA 8" ID, Aluminum 45 Degree Elbow Insulation Jacketing.....	32.04	5.31
22 07 19 00-0828 EA 8-1/2" ID, Aluminum 45 Degree Elbow Insulation Jacketing.....	35.21	5.44
22 07 19 00-0829 EA 9" ID, Aluminum 45 Degree Elbow Insulation Jacketing.....	35.76	5.58
22 07 19 00-0830 EA 9-1/2" ID, Aluminum 45 Degree Elbow Insulation Jacketing.....	41.28	5.65
22 07 19 00-0831 EA 10" ID, Aluminum 45 Degree Elbow Insulation Jacketing.....	41.59	5.72
22 07 19 00-0832 EA 10-1/2" ID, Aluminum 45 Degree Elbow Insulation Jacketing.....	40.68	5.80
22 07 19 00-0833 EA 11" ID, Aluminum 45 Degree Elbow Insulation Jacketing.....	40.99	5.88
22 07 19 00-0834 EA 11-1/2" ID, Aluminum 45 Degree Elbow Insulation Jacketing.....	45.16	6.04
22 07 19 00-0835 EA 12" ID, Aluminum 45 Degree Elbow Insulation Jacketing.....	45.50	6.12
22 07 19 00-0836 EA 13" ID, Aluminum 45 Degree Elbow Insulation Jacketing.....	50.23	6.39
22 07 19 00-0837 EA 14" ID, Aluminum 45 Degree Elbow Insulation Jacketing.....	56.61	6.58
22 07 19 00-0838 EA 15" ID, Aluminum 45 Degree Elbow Insulation Jacketing.....	73.79	6.79
22 07 19 00-0839 EA 16" ID, Aluminum 45 Degree Elbow Insulation Jacketing.....	78.14	6.90
22 07 19 00-0840 EA 17" ID, Aluminum 45 Degree Elbow Insulation Jacketing.....	77.40	7.02
22 07 19 00-0841 EA 18" ID, Aluminum 45 Degree Elbow Insulation Jacketing.....	84.79	7.13
22 07 19 00-0842 EA 19" ID, Aluminum 45 Degree Elbow Insulation Jacketing.....	97.75	7.25
22 07 19 00-0843 EA 20" ID, Aluminum 45 Degree Elbow Insulation Jacketing.....	95.98	7.37
22 07 19 00-0844 EA 21" ID, Aluminum 45 Degree Elbow Insulation Jacketing.....	101.77	7.50
22 07 19 00-0845 EA 2-1/2" ID, Aluminum Tee Insulation Jacketing.....	48.74	4.94
22 07 19 00-0846 EA 2-3/4" ID, Aluminum Tee Insulation Jacketing.....	49.20	5.06
22 07 19 00-0847 EA 3" ID, Aluminum Tee Insulation Jacketing.....	53.44	5.18
22 07 19 00-0848 EA 3-1/4" ID, Aluminum Tee Insulation Jacketing.....	53.95	5.31
22 07 19 00-0849 EA 3-1/2" ID Aluminum Tee Insulation Jacketing.....	56.05	5.44
22 07 19 00-0850 EA 4" ID, Aluminum Tee Insulation Jacketing.....	56.97	5.58
22 07 19 00-0851 EA 4-1/4" ID, Aluminum Tee Insulation Jacketing.....	59.57	5.72
22 07 19 00-0852 EA 4-1/2" ID, Aluminum Tee Insulation Jacketing.....	59.88	5.88
22 07 19 00-0853 EA 4-3/4" ID, Aluminum Tee Insulation Jacketing.....	60.53	6.04
22 07 19 00-0854 EA 5" ID, Aluminum Tee Insulation Jacketing.....	62.59	6.21
22 07 19 00-0855 EA 5-1/4" ID, Aluminum Tee Insulation Jacketing.....	63.31	6.39
22 07 19 00-0856 EA 5-1/2" ID, Aluminum Tee Insulation Jacketing.....	65.76	6.58
22 07 19 00-0857 EA 6" ID, Aluminum Tee Insulation Jacketing.....	66.58	6.79
22 07 19 00-0858 EA 6-1/2" ID, Aluminum Tee Insulation Jacketing.....	72.28	7.25
22 07 19 00-0859 EA 7" ID, Aluminum Tee Insulation Jacketing.....	73.27	7.50
22 07 19 00-0860 EA 7-1/2" ID, Aluminum Tee Insulation Jacketing.....	79.20	7.76
22 07 19 00-0861 EA 8" ID, Aluminum Tee Insulation Jacketing.....	80.34	8.05
22 07 19 00-0862 EA 8-1/2" ID, Aluminum Tee Insulation Jacketing.....	82.85	8.36
22 07 19 00-0863 EA 9" ID, Aluminum Tee Insulation Jacketing.....	84.19	8.69
22 07 19 00-0864 EA 9-1/2" ID, Aluminum Tee Insulation Jacketing.....	72.16	8.87
22 07 19 00-0865 EA 10" ID, Aluminum Tee Insulation Jacketing.....	72.90	9.06
22 07 19 00-0866 EA 10-1/2" ID, Aluminum Tee Insulation Jacketing.....	76.06	9.25
22 07 19 00-0867 EA 11" ID, Aluminum Tee Insulation Jacketing.....	76.86	9.45
22 07 19 00-0868 EA 11-1/2" ID, Aluminum Tee Insulation Jacketing.....	79.84	9.66
22 07 19 00-0869 EA 12" ID, Aluminum Tee Insulation Jacketing.....	80.71	9.88
22 07 19 00-0870 EA 13" ID, Aluminum Tee Insulation Jacketing.....	83.68	10.11
22 07 19 00-0871 EA 14" ID, Aluminum Tee Insulation Jacketing.....	86.77	10.35
22 07 19 00-0872 EA 15" ID, Aluminum Tee Insulation Jacketing.....	91.47	10.60
22 07 19 00-0873 EA 16" ID, Aluminum Tee Insulation Jacketing.....	93.77	10.86
22 07 19 00-0874 EA 17" ID, Aluminum Tee Insulation Jacketing.....	102.40	11.15
22 07 19 00-0875 EA 18" ID, Aluminum Tee Insulation Jacketing.....	105.83	11.44
22 07 19 00-0876 EA 19" ID, Aluminum Tee Insulation Jacketing.....	113.43	11.75
22 07 19 00-0877 EA 20" ID, Aluminum Tee Insulation Jacketing.....	116.18	12.08
22 07 19 00-0878 EA 22" ID, Aluminum Tee Insulation Jacketing.....	136.03	12.42
22 07 19 00-0879 EA 23" ID, Aluminum Tee Insulation Jacketing.....	139.90	12.78
22 07 19 00-0880 EA 24" ID, Aluminum Tee Insulation Jacketing.....	147.15	14.02

22 07 19 00-0881 Stainless Steel Insulation Protective Jacketing With Bands (22 07 19 00-0508)



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0882			Type 304 Stainless Steel Roll, Insulation Protective Jacketing With Bands ^(22 07 19 00-0881)		
22 07 19 00-0883	SF		0.010" Stainless Steel Insulation Jacket With Bands.....	20.01	8.15
22 07 19 00-0884	SF		0.016" Stainless Steel Insulation Jacket With Bands.....	24.49	9.78
22 07 19 00-0885			10 Mil, Type 304 Stainless Steel, Insulation Protective Jacketing With Moisture Barrier And Bands ^(22 07 19 00-0881)		
22 07 19 00-0886	LF		2-1/2" ID, 0.010" Stainless Steel Insulation Jacketing	9.79	1.74
22 07 19 00-0887	LF		2-3/4" ID, 0.010" Stainless Steel Insulation Jacketing	10.18	1.78
22 07 19 00-0888	LF		3" ID, 0.010" Stainless Steel Insulation Jacketing.....	10.58	1.81
22 07 19 00-0889	LF		3-1/4" ID, 0.010" Stainless Steel Insulation Jacketing	10.99	1.85
22 07 19 00-0890	LF		3-1/2" ID, 0.010" Stainless Steel Insulation Jacketing	11.40	1.89
22 07 19 00-0891	LF		3-3/4" ID, 0.010" Stainless Steel Insulation Jacketing	11.82	1.93
22 07 19 00-0892	LF		4" ID, 0.010" Stainless Steel Insulation Jacketing.....	12.24	1.98
22 07 19 00-0893	LF		4-1/4" ID, 0.010" Stainless Steel Insulation Jacketing	12.68	2.02
22 07 19 00-0894	LF		4-1/2" ID, 0.010" Stainless Steel Insulation Jacketing	13.12	2.07
22 07 19 00-0895	LF		5" ID, 0.010" Stainless Steel Insulation Jacketing.....	14.04	2.17
22 07 19 00-0896	LF		5-1/2" ID, 0.010" Stainless Steel Insulation Jacketing	15.01	2.29
22 07 19 00-0897	LF		6" ID, 0.010" Stainless Steel Insulation Jacketing	16.01	2.41
22 07 19 00-0898	LF		6-1/2" ID, 0.010" Stainless Steel Insulation Jacketing	16.79	2.48
22 07 19 00-0899	LF		7" ID, 0.010" Stainless Steel Insulation Jacketing.....	17.59	2.55
22 07 19 00-0900	LF		7-1/2" ID, 0.010" Stainless Steel Insulation Jacketing	18.46	2.65
22 07 19 00-0901	LF		8" ID, 0.010" Stainless Steel Insulation Jacketing.....	19.16	2.70
22 07 19 00-0902	LF		8-1/2" ID, 0.010" Stainless Steel Insulation Jacketing	19.87	2.75
22 07 19 00-0903	LF		9" ID, 0.010" Stainless Steel Insulation Jacketing.....	20.59	2.80
22 07 19 00-0904	LF		9-1/2" ID, 0.010" Stainless Steel Insulation Jacketing	21.31	2.86
22 07 19 00-0905	LF		10" ID, 0.010" Stainless Steel Insulation Jacketing	22.04	2.91
22 07 19 00-0906	LF		10-1/2" ID, 0.010" Stainless Steel Insulation Jacketing	22.79	2.98
22 07 19 00-0907	LF		11" ID, 0.010" Stainless Steel Insulation Jacketing.....	23.54	3.04
22 07 19 00-0908	LF		12" ID, 0.010" Stainless Steel Insulation Jacketing.....	25.07	3.18
22 07 19 00-0909	LF		13" ID, 0.010" Stainless Steel Insulation Jacketing.....	26.57	3.30
22 07 19 00-0910	LF		14" ID, 0.010" Stainless Steel Insulation Jacketing.....	27.77	3.35
22 07 19 00-0911			16 Mil, Type 304 Stainless Steel, Insulation Protective Jacketing With Moisture Barrier And Bands ^(22 07 19 00-0881)		
22 07 19 00-0912	LF		2-1/2" ID, 0.016" Stainless Steel Insulation Jacketing	13.35	2.31
22 07 19 00-0913	LF		2-3/4" ID, 0.016" Stainless Steel Insulation Jacketing	13.91	2.36
22 07 19 00-0914	LF		3" ID, 0.016" Stainless Steel Insulation Jacketing.....	14.47	2.41
22 07 19 00-0915	LF		3-1/4" ID, 0.016" Stainless Steel Insulation Jacketing	15.05	2.46
22 07 19 00-0916	LF		3-1/2" ID, 0.016" Stainless Steel Insulation Jacketing	15.63	2.51
22 07 19 00-0917	LF		3-3/4" ID, 0.016" Stainless Steel Insulation Jacketing	16.21	2.57
22 07 19 00-0918	LF		4" ID, 0.016" Stainless Steel Insulation Jacketing.....	16.80	2.63
22 07 19 00-0919	LF		4-1/4" ID, 0.016" Stainless Steel Insulation Jacketing	17.41	2.69
22 07 19 00-0920	LF		4-1/2" ID, 0.016" Stainless Steel Insulation Jacketing	18.04	2.75
22 07 19 00-0921	LF		5" ID, 0.016" Stainless Steel Insulation Jacketing.....	19.33	2.89
22 07 19 00-0922	LF		5-1/2" ID, 0.016" Stainless Steel Insulation Jacketing	20.65	3.05
22 07 19 00-0923	LF		6" ID, 0.016" Stainless Steel Insulation Jacketing.....	22.05	3.22
22 07 19 00-0924	LF		6-1/2" ID, 0.016" Stainless Steel Insulation Jacketing	23.15	3.31
22 07 19 00-0925	LF		7" ID, 0.016" Stainless Steel Insulation Jacketing.....	24.28	3.40
22 07 19 00-0926	LF		7-1/2" ID, 0.016" Stainless Steel Insulation Jacketing	25.50	3.53
22 07 19 00-0927	LF		8" ID, 0.016" Stainless Steel Insulation Jacketing.....	26.48	3.59
22 07 19 00-0928	LF		8-1/2" ID, 0.016" Stainless Steel Insulation Jacketing	27.49	3.66
22 07 19 00-0929	LF		9" ID, 0.016" Stainless Steel Insulation Jacketing.....	28.52	3.73
22 07 19 00-0930	LF		9-1/2" ID, 0.016" Stainless Steel Insulation Jacketing	29.53	3.80
22 07 19 00-0931	LF		10" ID, 0.016" Stainless Steel Insulation Jacketing.....	30.56	3.88
22 07 19 00-0932	LF		10-1/2" ID, 0.016" Stainless Steel Insulation Jacketing	31.62	3.96
22 07 19 00-0933	LF		11" ID, 0.016" Stainless Steel Insulation Jacketing.....	32.67	4.04
22 07 19 00-0934	LF		12" ID, 0.016" Stainless Steel Insulation Jacketing.....	34.84	4.22
22 07 19 00-0935	LF		13" ID, 0.016" Stainless Steel Insulation Jacketing.....	36.94	4.38
22 07 19 00-0936	LF		14" ID, 0.016" Stainless Steel Insulation Jacketing.....	38.66	4.45
22 07 19 00-0937			Type 316 Stainless Steel Insulation Protective Jacketing For Fittings ^(22 07 19 00-0881)		
22 07 19 00-0938	EA		2-1/2" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing.....	26.30	3.45
22 07 19 00-0939	EA		2-3/4" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing.....	26.64	3.54
22 07 19 00-0940	EA		3" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing.....	27.56	3.62
22 07 19 00-0941	EA		3-1/4" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing.....	27.94	3.72
22 07 19 00-0942	EA		3-1/2" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing.....	28.86	3.78
22 07 19 00-0943	EA		3-3/4" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing.....	29.90	3.85
22 07 19 00-0944	EA		4" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing.....	31.76	3.95
22 07 19 00-0945	EA		4-1/4" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing.....	37.30	4.03
22 07 19 00-0946	EA		4-1/2" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing.....	37.60	4.10
22 07 19 00-0947	EA		5" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing.....	38.74	4.26
22 07 19 00-0948	EA		5-1/2" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing.....	50.26	4.48
22 07 19 00-0949	EA		6" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing.....	54.40	4.72
22 07 19 00-0950	EA		6-1/2" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing.....	68.84	5.00
22 07 19 00-0951	EA		7" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing.....	69.31	5.12



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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22 07 19 00-0952	EA 7-1/2" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing.....	78.00	5.24
22 07 19 00-0953	EA 8" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing.....	78.78	5.44
22 07 19 00-0954	EA 8-1/2" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing.....	80.72	5.44
22 07 19 00-0955	EA 9" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing.....	112.00	5.58
22 07 19 00-0956	EA 9-1/2" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing.....	110.73	5.65
22 07 19 00-0957	EA 10" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing.....	111.04	5.72
22 07 19 00-0958	EA 10-1/2" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing.....	128.66	5.80
22 07 19 00-0959	EA 11" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing.....	124.18	5.88
22 07 19 00-0960	EA 12" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing.....	138.79	6.12
22 07 19 00-0961	EA 13" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing.....	183.93	6.39
22 07 19 00-0962	EA 14" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing.....	185.78	6.58
22 07 19 00-0963	EA 2-1/2" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing.....	24.22	3.45
22 07 19 00-0964	EA 2-3/4" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing.....	24.56	3.54
22 07 19 00-0965	EA 3" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing.....	25.70	3.62
22 07 19 00-0966	EA 3-1/4" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing.....	26.08	3.72
22 07 19 00-0967	EA 3-1/2" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing.....	26.48	3.78
22 07 19 00-0968	EA 3-3/4" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing.....	26.74	3.85
22 07 19 00-0969	EA 4" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing.....	30.40	3.95
22 07 19 00-0970	EA 4-1/4" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing.....	36.58	4.03
22 07 19 00-0971	EA 4-1/2" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing.....	36.88	4.10
22 07 19 00-0972	EA 4-3/4" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing.....	37.20	4.18
22 07 19 00-0973	EA 5" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing.....	37.88	4.26
22 07 19 00-0974	EA 5-1/2" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing.....	38.76	4.48
22 07 19 00-0975	EA 6" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing.....	43.62	4.72
22 07 19 00-0976	EA 6-1/2" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing.....	44.70	5.00
22 07 19 00-0977	EA 7" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing.....	62.27	5.12
22 07 19 00-0978	EA 7-1/2" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing.....	63.63	5.24
22 07 19 00-0979	EA 8" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing.....	63.88	5.31
22 07 19 00-0980	EA 8-1/2" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing.....	71.67	5.44
22 07 19 00-0981	EA 9" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing.....	72.22	5.58
22 07 19 00-0982	EA 9-1/2" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing.....	81.20	5.65
22 07 19 00-0983	EA 10" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing.....	81.51	5.72
22 07 19 00-0984	EA 10-1/2" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing.....	93.64	5.80
22 07 19 00-0985	EA 11" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing.....	93.95	5.88
22 07 19 00-0986	EA 12" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing.....	101.00	6.12
22 07 19 00-0987	EA 13" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing.....	115.60	6.39

22 07 19 00-0988 Polyvinyl Chloride (PVC) Insulation Protective Jacketing (22 07 19 00-0508)

22 07 19 00-0989 20 Mil Polyvinyl Chloride (PVC) Insulation Protective Jacketing (22 07 19 00-0988)

22 07 19 00-0990	LF 1-1/2" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing.....	6.68	1.61
22 07 19 00-0991	LF 2" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing.....	7.00	1.67
22 07 19 00-0992	LF 2-1/2" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing.....	7.34	1.74
22 07 19 00-0993	LF 3" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing.....	7.71	1.81
22 07 19 00-0994	LF 3-1/2" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing.....	8.08	1.89
22 07 19 00-0995	LF 4" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing.....	8.49	1.98
22 07 19 00-0996	LF 4-1/2" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing.....	8.94	2.07
22 07 19 00-0997	LF 5" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing.....	9.41	2.17
22 07 19 00-0998	LF 5-1/2" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing.....	9.95	2.29
22 07 19 00-0999	LF 6" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing.....	10.52	2.41
22 07 19 00-1000	LF 6-1/2" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing.....	10.87	2.48
22 07 19 00-1001	LF 7" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing.....	11.22	2.55
22 07 19 00-1002	LF 7-1/2" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing.....	11.67	2.65
22 07 19 00-1003	LF 8" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing.....	11.93	2.70
22 07 19 00-1004	LF 8-1/2" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing.....	12.21	2.75
22 07 19 00-1005	LF 9" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing.....	12.49	2.80
22 07 19 00-1006	LF 9-1/2" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing.....	12.78	2.86
22 07 19 00-1007	LF 10" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing.....	13.07	2.91
22 07 19 00-1008	LF 10-1/2" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing.....	13.38	2.98
22 07 19 00-1009	LF 11" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing.....	13.70	3.04
22 07 19 00-1010	LF 11-1/2" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing.....	14.03	3.11
22 07 19 00-1011	LF 12" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing.....	14.36	3.18
22 07 19 00-1012	LF 12-1/2" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing.....	14.73	3.25
22 07 19 00-1013	LF 13" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing.....	14.99	3.30
22 07 19 00-1014	LF 13-1/2" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing.....	15.06	3.30
22 07 19 00-1015	LF 14" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing.....	15.33	3.35
22 07 19 00-1016	LF 15" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing.....	15.68	3.40
22 07 19 00-1017	LF 16" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing.....	16.02	3.45
22 07 19 00-1018	LF 17" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing.....	16.38	3.51
22 07 19 00-1019	LF 18" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing.....	16.75	3.57
22 07 19 00-1020	LF 19" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing.....	17.12	3.62
22 07 19 00-1021	LF 20" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing.....	17.50	3.69
22 07 19 00-1022	LF 21" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing.....	17.90	3.75
22 07 19 00-1023	LF 22" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing.....	18.30	3.81
22 07 19 00-1024	LF 23" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing.....	18.70	3.88
22 07 19 00-1025	LF 24" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing.....	19.12	3.95
22 07 19 00-1026	LF 25" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing.....	19.55	4.03
22 07 19 00-1027	LF 26" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing.....	19.98	4.10
22 07 19 00-1028	LF 27" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing.....	20.44	4.18
22 07 19 00-1029	LF 28" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing.....	20.90	4.26



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-1030 LF 29" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	21.38	4.35
22 07 19 00-1031 LF 30" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	21.88	4.43
22 07 19 00-1032 30 Mil Polyvinyl Chloride (PVC) Insulation Protective Jacketing (22 07 19 00-0988)		
22 07 19 00-1033 LF 2" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	7.15	1.67
22 07 19 00-1034 LF 2-1/2" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	7.53	1.74
22 07 19 00-1035 LF 3" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	7.93	1.81
22 07 19 00-1036 LF 3-1/2" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	8.33	1.89
22 07 19 00-1037 LF 4" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	8.77	1.98
22 07 19 00-1038 LF 4-1/2" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	9.25	2.07
22 07 19 00-1039 LF 5" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	9.76	2.17
22 07 19 00-1040 LF 5-1/2" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	10.33	2.29
22 07 19 00-1041 LF 6" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	10.93	2.41
22 07 19 00-1042 LF 6-1/2" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	11.31	2.48
22 07 19 00-1043 LF 7" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	11.70	2.55
22 07 19 00-1044 LF 7-1/2" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	12.18	2.65
22 07 19 00-1045 LF 8" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	12.48	2.70
22 07 19 00-1046 LF 8-1/2" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	12.79	2.75
22 07 19 00-1047 LF 9" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	13.10	2.80
22 07 19 00-1048 LF 9-1/2" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	13.42	2.86
22 07 19 00-1049 LF 10" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	13.75	2.91
22 07 19 00-1050 LF 10-1/2" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	14.09	2.98
22 07 19 00-1051 LF 11" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	14.44	3.04
22 07 19 00-1052 LF 11-1/2" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	14.80	3.11
22 07 19 00-1053 LF 12" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	15.17	3.18
22 07 19 00-1054 LF 12-1/2" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	15.57	3.25
22 07 19 00-1055 LF 13" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	15.87	3.30
22 07 19 00-1056 LF 13-1/2" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	15.97	3.30
22 07 19 00-1057 LF 14" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	16.27	3.35
22 07 19 00-1058 LF 15" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	16.68	3.40
22 07 19 00-1059 LF 16" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	17.09	3.45
22 07 19 00-1060 LF 17" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	17.51	3.51
22 07 19 00-1061 LF 18" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	17.95	3.57
22 07 19 00-1062 LF 19" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	18.39	3.62
22 07 19 00-1063 LF 20" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	18.83	3.69
22 07 19 00-1064 LF 21" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	19.30	3.75
22 07 19 00-1065 LF 22" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	19.76	3.81
22 07 19 00-1066 LF 23" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	20.23	3.88
22 07 19 00-1067 LF 24" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	20.71	3.95
22 07 19 00-1068 LF 25" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	21.21	4.03
22 07 19 00-1069 LF 26" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	21.71	4.10
22 07 19 00-1070 LF 27" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	22.23	4.18
22 07 19 00-1071 LF 28" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	22.76	4.26
22 07 19 00-1072 LF 29" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	23.30	4.35
22 07 19 00-1073 LF 30" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	23.86	4.43
22 07 19 00-1074 Polyvinyl Chloride (PVC) Insulation Protective Jacketing For Fittings (22 07 19 00-0988)		
22 07 19 00-1075 EA 1-3/4" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	13.43	3.22
22 07 19 00-1076 EA 2" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	14.06	3.35
22 07 19 00-1077 EA 2-1/4" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	14.35	3.40
22 07 19 00-1078 EA 2-1/2" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	14.64	3.45
22 07 19 00-1079 EA 2-3/4" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	15.05	3.54
22 07 19 00-1080 EA 3" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	15.45	3.62
22 07 19 00-1081 EA 3-3/8" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	16.09	3.75
22 07 19 00-1082 EA 3-3/4" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	16.61	3.85
22 07 19 00-1083 EA 4-1/8" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	17.35	3.95
22 07 19 00-1084 EA 4-3/4" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	18.42	4.14
22 07 19 00-1085 EA 5-1/4" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	19.56	4.35
22 07 19 00-1086 EA 5-3/4" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	21.16	4.57
22 07 19 00-1087 EA 6-1/4" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	24.09	4.83
22 07 19 00-1088 EA 6-3/4" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	25.01	5.00
22 07 19 00-1089 EA 7-1/4" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	26.75	5.12
22 07 19 00-1090 EA 7-3/4" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	27.56	5.24
22 07 19 00-1091 EA 8-3/4" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	30.23	5.44
22 07 19 00-1092 EA 9-3/4" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	33.92	5.65
22 07 19 00-1093 EA 10-7/8" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	36.16	5.88
22 07 19 00-1094 EA 11-7/8" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	39.00	6.12
22 07 19 00-1095 EA 12-7/8" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	43.89	6.39
22 07 19 00-1096 EA 14-1/8" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	47.29	6.58
22 07 19 00-1097 EA 15-1/8" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	49.67	6.79
22 07 19 00-1098 EA 16-1/8" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	52.16	6.90
22 07 19 00-1099 EA 17-1/8" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	55.30	7.02
22 07 19 00-1100 EA 18-1/8" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	63.65	7.13
22 07 19 00-1101 EA 19-1/8" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	76.71	7.25
22 07 19 00-1102 EA 20-1/8" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	90.81	7.37
22 07 19 00-1103 EA 1-3/4" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing	13.43	3.22
22 07 19 00-1104 EA 2" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing	14.06	3.35
22 07 19 00-1105 EA 2-1/4" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing	14.35	3.40



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-1106 EA 2-1/2"ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing.....	14.64	3.45
22 07 19 00-1107 EA 2-3/4"ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing.....	15.05	3.54
22 07 19 00-1108 EA 3" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing.....	15.45	3.62
22 07 19 00-1109 EA 3-3/8" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing.....	16.09	3.75
22 07 19 00-1110 EA 3-3/4" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing.....	16.61	3.85
22 07 19 00-1111 EA 4-1/8" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing.....	17.35	3.95
22 07 19 00-1112 EA 4-3/4" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing.....	18.42	4.14
22 07 19 00-1113 EA 5-1/4" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing.....	19.56	4.35
22 07 19 00-1114 EA 5-3/4" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing.....	21.16	4.57
22 07 19 00-1115 EA 6-1/4" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing.....	24.09	4.83
22 07 19 00-1116 EA 6-3/4" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing.....	25.01	5.00
22 07 19 00-1117 EA 7-1/4" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing.....	26.75	5.12
22 07 19 00-1118 EA 7-3/4" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing.....	27.56	5.24
22 07 19 00-1119 EA 8-3/4" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing.....	30.23	5.44
22 07 19 00-1120 EA 9-3/4" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing.....	33.92	5.65
22 07 19 00-1121 EA 10-7/8" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing.....	36.15	5.88
22 07 19 00-1122 EA 11-7/8" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing.....	38.44	6.12
22 07 19 00-1123 EA 12-7/8" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing.....	41.14	6.39
22 07 19 00-1124 EA 14-1/8" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing.....	44.14	6.58
22 07 19 00-1125 EA 15-1/8" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing.....	46.26	6.79
22 07 19 00-1126 EA 16-1/8" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing.....	49.40	6.90
22 07 19 00-1127 EA 17-1/8" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing.....	52.60	7.02
22 07 19 00-1128 EA 18-1/8" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing.....	58.50	7.13
22 07 19 00-1129 EA 19-1/8" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing.....	69.91	7.25
22 07 19 00-1130 EA 20-1/8" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing.....	75.83	7.37
22 07 19 00-1131 EA 1-3/4" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing.....	19.15	4.53
22 07 19 00-1132 EA 2" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing.....	19.68	4.62
22 07 19 00-1133 EA 2-1/4" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing.....	20.39	4.77
22 07 19 00-1134 EA 2-1/2"ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing.....	21.16	4.94
22 07 19 00-1135 EA 2-3/4"ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing.....	22.00	5.12
22 07 19 00-1136 EA 3" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing.....	22.88	5.31
22 07 19 00-1137 EA 3-3/8" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing.....	23.93	5.51
22 07 19 00-1138 EA 3-3/4" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing.....	25.07	5.72
22 07 19 00-1139 EA 4-1/8" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing.....	26.40	5.96
22 07 19 00-1140 EA 4-3/4" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing.....	28.06	6.21
22 07 19 00-1141 EA 5-1/4" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing.....	29.81	6.49
22 07 19 00-1142 EA 5-3/4" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing.....	32.73	6.90
22 07 19 00-1143 EA 6-1/4" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing.....	35.73	7.25
22 07 19 00-1144 EA 6-3/4" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing.....	37.82	7.37
22 07 19 00-1145 EA 7-1/4" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing.....	43.98	7.63
22 07 19 00-1146 EA 7-3/4" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing.....	46.98	8.05
22 07 19 00-1147 EA 8-3/4" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing.....	51.42	8.36
22 07 19 00-1148 EA 9-3/4" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing.....	55.98	8.69
22 07 19 00-1149 EA 10-7/8" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing.....	57.68	9.06
22 07 19 00-1150 EA 11-7/8" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing.....	60.83	9.25
22 07 19 00-1151 EA 12-7/8" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing.....	64.01	9.45
22 07 19 00-1152 EA 14-1/8" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing.....	67.26	9.66
22 07 19 00-1153 EA 15-1/8" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing.....	70.50	9.88
22 07 19 00-1154 EA 16-1/8" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing.....	73.81	10.11
22 07 19 00-1155 EA 17-1/8" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing.....	77.14	10.35
22 07 19 00-1156 EA 18-1/8" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing.....	81.74	10.60
22 07 19 00-1157 EA 19-1/8" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing.....	86.39	10.86
22 07 19 00-1158 EA 20-1/8" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing.....	91.86	11.15
22 07 19 00-1159 EA 3/4" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing.....	16.77	3.11
22 07 19 00-1160 EA 1" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing.....	16.77	3.11
22 07 19 00-1161 EA 1-1/4" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing.....	18.39	3.22
22 07 19 00-1162 EA 1-1/2" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing.....	18.39	3.22
22 07 19 00-1163 EA 2"ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing.....	22.07	3.35
22 07 19 00-1164 EA 2-1/2"ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing.....	23.56	3.48
22 07 19 00-1165 EA 3" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing.....	25.30	3.62
22 07 19 00-1166 EA 3-1/2" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing.....	27.64	3.78
22 07 19 00-1167 EA 4" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing.....	29.75	3.95
22 07 19 00-1168 EA 5" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing.....	34.72	4.35
22 07 19 00-1169 EA 6" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing.....	44.92	4.83
22 07 19 00-1170 EA 8" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing.....	49.62	5.44
22 07 19 00-1171 EA 10" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing.....	58.86	5.80
22 07 19 00-1172 EA 12" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing.....	76.87	6.39
22 07 19 00-1173 EA 14" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing.....	78.15	6.68
22 07 19 00-1174 EA 16" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing.....	97.49	6.90
22 07 19 00-1175 EA 18" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing.....	124.62	7.13
22 07 19 00-1176 EA 3/4" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing.....	16.29	3.11
22 07 19 00-1177 EA 1" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing.....	16.29	3.11
22 07 19 00-1178 EA 1-1/4" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing.....	17.81	3.22
22 07 19 00-1179 EA 1-1/2" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing.....	17.81	3.22
22 07 19 00-1180 EA 2"ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing.....	21.12	3.35
22 07 19 00-1181 EA 2-1/2"ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing.....	22.50	3.48
22 07 19 00-1182 EA 3" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing.....	24.14	3.62
22 07 19 00-1183 EA 3-1/2" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing.....	25.31	3.78
22 07 19 00-1184 EA 4" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing.....	28.21	3.95
22 07 19 00-1185 EA 5" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing.....	32.81	4.35
22 07 19 00-1186 EA 6" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing.....	42.11	4.83



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-1187 EA 8" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing.....	46.54	5.44
22 07 19 00-1188 EA 10" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing.....	54.94	5.80
22 07 19 00-1189 EA 12" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing.....	71.26	6.39
22 07 19 00-1190 EA 14" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing.....	86.19	6.68
22 07 19 00-1191 EA 16" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing.....	99.60	6.90
22 07 19 00-1192 EA 18" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing.....	113.48	7.13
22 07 19 00-1193 EA 3/4" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing.....	24.36	4.67
22 07 19 00-1194 EA 1" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing.....	24.36	4.67
22 07 19 00-1195 EA 1-1/4" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing.....	26.48	4.83
22 07 19 00-1196 EA 1-1/2" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing.....	26.48	4.83
22 07 19 00-1197 EA 2" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing.....	31.28	5.00
22 07 19 00-1198 EA 2-1/2" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing.....	33.26	5.18
22 07 19 00-1199 EA 3" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing.....	35.79	5.44
22 07 19 00-1200 EA 3-1/2" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing.....	37.47	5.65
22 07 19 00-1201 EA 4" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing.....	42.00	5.96
22 07 19 00-1202 EA 5" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing.....	45.98	6.49
22 07 19 00-1203 EA 6" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing.....	58.62	7.25
22 07 19 00-1204 EA 8" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing.....	64.32	8.05
22 07 19 00-1205 EA 10" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing.....	81.16	8.69
22 07 19 00-1206 EA 12" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing.....	104.47	9.45
22 07 19 00-1207 EA 14" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing.....	120.97	10.11
22 07 19 00-1208 EA 16" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing.....	138.01	10.35
22 07 19 00-1209 EA 18" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing.....	148.83	10.60

22 10 Plumbing Piping ⁽²²⁾

Note: The demolition price for only the length of pipe (LF) shall be used for lengths (LF) of pipe removal which do include the fittings, valves, and insulation. The demolition price for individual fittings, valves, and insulation shall not be used in conjunction with pipe (LF) demolition tasks.

22 11 Facility Water Distribution ^(22 10)

22 11 16 Domestic Water Piping ^(22 11)

Note: The demolition price for only the length of pipe (LF) shall be used for lengths (LF) of pipe removal which do include the fittings, valves, and insulation. The demolition price for individual fittings, valves, and insulation shall not be used in conjunction with pipe (LF) demolition tasks. See CSI section 23 21 13 00-0000 for black steel piping and fitting.

22 11 16 00-0001 Galvanized Steel Pipe Assemblies ^(22 11 16)

Note: (ASTM A-53) Threaded and coupled. Includes all hangers and all galvanized malleable iron fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.

22 11 16 00-0002 LF 1/2" Schedule 40 Threaded Galvanized Steel Pipe With 150 LB Malleable Iron Fitting Assembly.....	15.84	4.10
Note: Includes all hangers and all galvanized malleable iron fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.		
<i>For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add</i>		
	3.73	
<i>For ASTM 120, Deduct</i>		
	-0.33	
<i>For Work In Restricted Working Space, Add</i>		
	4.08	
22 11 16 00-0003 LF 3/4" Schedule 40 Threaded Galvanized Steel Pipe With 150 LB Malleable Iron Fitting Assembly.....	17.03	4.41
Note: Includes all hangers and all galvanized malleable iron fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.		
<i>For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add</i>		
	4.06	
<i>For ASTM 120, Deduct</i>		
	-0.39	
<i>For Work In Restricted Working Space, Add</i>		
	4.32	
22 11 16 00-0004 LF 1" Schedule 40 Threaded Galvanized Steel Pipe With 150 LB Malleable Iron Fitting Assembly.....	18.64	4.83
Note: Includes all hangers and all galvanized malleable iron fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.		
<i>For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add</i>		
	4.54	
<i>For ASTM 120, Deduct</i>		
	-0.49	
<i>For Work In Restricted Working Space, Add</i>		
	4.62	
22 11 16 00-0005 LF 1-1/4" Schedule 40 Threaded Galvanized Steel Pipe With 150 LB Malleable Iron Fitting Assembly.....	21.03	5.03
Note: Includes all hangers and all galvanized malleable iron fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.		
<i>For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add</i>		
	5.38	
<i>For ASTM 120, Deduct</i>		
	-0.70	
<i>For Work In Restricted Working Space, Add</i>		
	4.91	
22 11 16 00-0006 LF 1-1/2" Schedule 40 Threaded Galvanized Steel Pipe With 150 LB Malleable Iron Fitting Assembly.....	22.19	5.95
Note: Includes all hangers and all galvanized malleable iron fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.		
<i>For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add</i>		
	5.73	
<i>For ASTM 120, Deduct</i>		
	-0.77	
<i>For Work In Restricted Working Space, Add</i>		
	5.11	
22 11 16 00-0007 LF 2" Schedule 40 Threaded Galvanized Steel Pipe With 150 LB Malleable Iron Fitting Assembly.....	25.95	7.18
Note: Includes all hangers and all galvanized malleable iron fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.		
<i>For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add</i>		
	6.83	
<i>For ASTM 120, Deduct</i>		
	-0.98	
<i>For Work In Restricted Working Space, Add</i>		
	5.82	
22 11 16 00-0008 LF 2-1/2" Schedule 40 Threaded Galvanized Steel Pipe With 150 LB Malleable Iron Fitting Assembly.....	34.18	8.51
Note: Includes all hangers and all galvanized malleable iron fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.		
<i>For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add</i>		
	9.70	
<i>For ASTM 120, Deduct</i>		
	-1.72	
<i>For Work In Restricted Working Space, Add</i>		
	6.82	

22	Plumbing
22 10	Plumbing Piping
22 11	Facility Water Distribution



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0009	LF		3" Schedule 40 Threaded Galvanized Steel Pipe With 150 LB Malleable Iron Fitting Assembly Note: Includes all hangers and all galvanized malleable iron fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available. <i>For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	42.01 12.02 -2.17 8.27	11.38
22 11 16 00-0010	LF		4" Schedule 40 Threaded Galvanized Steel Pipe With 150 LB Malleable Iron Fitting Assembly Note: Includes all hangers and all galvanized malleable iron fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available. <i>For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	55.01 17.45 -3.87 8.76	12.50
22 11 16 00-0011	LF		5" Schedule 40 Threaded Galvanized Steel Pipe With 150 LB Malleable Iron Fitting Assembly Note: Includes all hangers and all galvanized malleable iron fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available. <i>For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	86.79 30.24 -7.73 10.58	15.98
22 11 16 00-0012	LF		6" Schedule 40 Threaded Galvanized Steel Pipe With 150 LB Malleable Iron Fitting Assembly Note: Includes all hangers and all galvanized malleable iron fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available. <i>For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	53.45 14.03 -2.01 12.02	18.89
22 11 16 00-0013			Galvanized Steel Pipe And Threaded Fittings <small>(22 11 16)</small> Note: (ASTM A-53) Threaded and coupled, schedule 40. Excludes hangers, elbow, tee, or reducer fittings.		
22 11 16 00-0014			Threaded And Coupled, Galvanized Steel Piping <small>(22 11 16 00-0013)</small> Note: ASTM A-53. Includes coupling.		
22 11 16 00-0015	LF		1/2" Schedule 40, Threaded And Coupled, Galvanized Steel Pipe..... <i>For Schedule 80 Pipe, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	7.17 1.08 -0.14 1.86	4.10
22 11 16 00-0016	LF		3/4" Schedule 40, Threaded And Coupled, Galvanized Steel Pipe..... <i>For Schedule 80 Pipe, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	7.88 1.27 -0.19 1.98	4.41
22 11 16 00-0017	LF		1" Schedule 40, Threaded And Coupled, Galvanized Steel Pipe..... <i>For Schedule 80 Pipe, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	9.06 1.62 -0.28 2.15	4.83
22 11 16 00-0018	LF		1-1/4" Schedule 40, Threaded And Coupled, Galvanized Steel Pipe <i>For Schedule 80 Pipe, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	10.16 1.99 -0.38 2.28	5.03
22 11 16 00-0019	LF		1-1/2" Schedule 40, Threaded And Coupled, Galvanized Steel Pipe <i>For Schedule 80 Pipe, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	11.98 2.36 -0.46 2.68	5.95
22 11 16 00-0020	LF		2" Schedule 40, Threaded And Coupled, Galvanized Steel Pipe..... <i>For Schedule 80 Pipe, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	14.91 3.05 -0.62 3.24	7.18
22 11 16 00-0021	LF		2-1/2" Schedule 40, Threaded And Coupled, Galvanized Steel Pipe <i>For Schedule 80 Pipe, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	19.34 4.41 -0.98 3.85	8.51
22 11 16 00-0022	LF		3" Schedule 40, Threaded And Coupled, Galvanized Steel Pipe..... <i>For Schedule 80 Pipe, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	25.62 5.80 -1.28 5.13	11.38
22 11 16 00-0023	LF		4" Schedule 40, Threaded And Coupled, Galvanized Steel Pipe..... <i>For Schedule 80 Pipe, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	30.95 7.71 -1.82 5.64	12.50
22 11 16 00-0024	LF		5" Schedule 40, Threaded And Coupled, Galvanized Steel Pipe..... <i>For Schedule 80 Pipe, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	40.21 10.21 -2.44 7.18	15.98
22 11 16 00-0025	LF		6" Schedule 40, Threaded And Coupled, Galvanized Steel Pipe..... <i>For Schedule 80 Pipe, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	49.44 12.98 -3.17 8.49	18.89
22 11 16 00-0026			Galvanized Malleable Iron 90 Degree Elbows <small>(22 11 16 00-0013)</small>		
22 11 16 00-0027	EA		1/2", 150 LB, Galvanized Malleable Iron 90 Degree Elbow..... <i>For 300 LB Rating, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	29.06 7.46 -0.26 8.21	18.26
22 11 16 00-0028	EA		3/4", 150 LB, Galvanized Malleable Iron 90 Degree Elbow..... <i>For 300 LB Rating, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	32.71 8.98 -0.32 9.18	20.41



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0029	EA			1", 150 LB, Galvanized Malleable Iron 90 Degree Elbow <i>For 300 LB Rating, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	38.09 15.31 -0.59 10.26	22.77
22 11 16 00-0030	EA			1-1/4", 150 LB, Galvanized Malleable Iron 90 Degree Elbow <i>For 300 LB Rating, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	44.86 23.27 -0.92 11.61	25.85
22 11 16 00-0031	EA			1-1/2", 150 LB, Galvanized Malleable Iron 90 Degree Elbow <i>For 300 LB Rating, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	51.68 29.95 -1.21 13.09	29.12
22 11 16 00-0032	EA			2", 150 LB, Galvanized Malleable Iron 90 Degree Elbow <i>For 300 LB Rating, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	68.60 48.07 -1.97 16.63	37.03
22 11 16 00-0033	EA			2-1/2", 150 LB, Galvanized Malleable Iron 90 Degree Elbow <i>For 300 LB Rating, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	116.50 122.05 -5.17 24.62	54.77
22 11 16 00-0034	EA			3", 150 LB, Galvanized Malleable Iron 90 Degree Elbow <i>For 300 LB Rating, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	164.75 199.56 -8.52 32.39	72.00
22 11 16 00-0035	EA			4", 150 LB, Galvanized Malleable Iron 90 Degree Elbow <i>For 300 LB Rating, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	209.82 347.16 -15.03 32.90	73.11
22 11 16 00-0036	EA			5", 150 LB, Galvanized Malleable Iron 90 Degree Elbow <i>For 300 LB Rating, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	546.97 1,477.57 -64.88 34.32	76.31
22 11 16 00-0037	EA			6", 150 LB, Galvanized Malleable Iron 90 Degree Elbow <i>For 300 LB Rating, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	518.39 1,363.03 -59.82 35.88	79.79
22 11 16 00-0038				Galvanized Malleable Iron Reducing 90 Degree Elbows (22 11 16 00-0013)		
22 11 16 00-0039	EA			3/4" x 1/2", 150 LB, Galvanized Malleable Iron Reducing 90 Degree Elbow <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	32.64 -0.55 8.69	19.28
22 11 16 00-0040	EA			1" x 3/4", 150 LB, Galvanized Malleable Iron Reducing 90 Degree Elbow <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	37.09 -0.70 9.72	21.64
22 11 16 00-0041	EA			1" x 1/2", 150 LB, Galvanized Malleable Iron Reducing 90 Degree Elbow <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	35.75 -0.75 9.23	20.51
22 11 16 00-0042	EA			1-1/4" x 1", 150 LB, Galvanized Malleable Iron Reducing 90 Degree Elbow <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	44.31 -1.18 10.93	24.31
22 11 16 00-0043	EA			1-1/4" x 3/4", 150 LB, Galvanized Malleable Iron Reducing 90 Degree Elbow <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	44.11 -1.42 10.40	23.08
22 11 16 00-0044	EA			1-1/4" x 1/2", 150 LB, Galvanized Malleable Iron Reducing 90 Degree Elbow <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	43.04 -1.50 9.91	22.05
22 11 16 00-0045	EA			1-1/2" x 1-1/4", 150 LB, Galvanized Malleable Iron Reducing 90 Degree Elbow <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	53.75 -1.89 12.35	27.48
22 11 16 00-0046	EA			1-1/2" x 1", 150 LB, Galvanized Malleable Iron Reducing 90 Degree Elbow <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	51.49 -1.89 11.67	25.95
22 11 16 00-0047	EA			1-1/2" x 3/4", 150 LB, Galvanized Malleable Iron Reducing 90 Degree Elbow <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	49.71 -1.89 11.14	24.72
22 11 16 00-0048	EA			2" x 1-1/2", 150 LB, Galvanized Malleable Iron Reducing 90 Degree Elbow <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	64.24 -2.21 14.86	33.02
22 11 16 00-0049	EA			2" x 1-1/4", 150 LB, Galvanized Malleable Iron Reducing 90 Degree Elbow <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	63.92 -2.53 14.12	31.39
22 11 16 00-0050	EA			2" x 1", 150 LB, Galvanized Malleable Iron Reducing 90 Degree Elbow <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	62.30 -2.62 13.44	29.85
22 11 16 00-0051	EA			2" x 3/4", 150 LB, Galvanized Malleable Iron Reducing 90 Degree Elbow <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	56.29 -1.99 12.91	28.72
22 11 16 00-0052	EA			2-1/2" x 2", 150 LB, Galvanized Malleable Iron Reducing 90 Degree Elbow <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	118.57 -7.47 20.63	45.84
22 11 16 00-0053	EA			2-1/2" x 1-1/2", 150 LB, Galvanized Malleable Iron Reducing 90 Degree Elbow <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	118.36 -8.33 18.86	41.95

22	Plumbing
22 10	Plumbing Piping
22 11	Facility Water Distribution



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0054 EA 3" x 2-1/2", 150 LB, Galvanized Malleable Iron Reducing 90 Degree Elbow	185.55	63.38
For ASTM 120, Deduct	-13.58	
For Work In Restricted Working Space, Add	28.50	
22 11 16 00-0055 EA 3" x 2", 150 LB, Galvanized Malleable Iron Reducing 90 Degree Elbow	160.35	54.46
For ASTM 120, Deduct	-11.80	
For Work In Restricted Working Space, Add	24.51	
22 11 16 00-0056 EA 4" x 3", 150 LB, Galvanized Malleable Iron Reducing 90 Degree Elbow	309.21	69.55
For ASTM 120, Deduct	-30.74	
For Work In Restricted Working Space, Add	31.29	
22 11 16 00-0057 Galvanized Malleable Iron 45 Degree Elbow (22 11 16 00-0013)		
22 11 16 00-0058 EA 1/2", 150 LB, Galvanized Malleable Iron 45 Degree Elbow.....	30.06	18.26
For 300 LB Rating, Add	10.86	
For ASTM 120, Deduct	-0.41	
For Work In Restricted Working Space, Add	8.21	
22 11 16 00-0059 EA 3/4", 150 LB, Galvanized Malleable Iron 45 Degree Elbow.....	34.51	20.41
For 300 LB Rating, Add	15.10	
For ASTM 120, Deduct	-0.59	
For Work In Restricted Working Space, Add	9.18	
22 11 16 00-0060 EA 1", 150 LB, Galvanized Malleable Iron 45 Degree Elbow.....	38.59	22.77
For 300 LB Rating, Add	17.01	
For ASTM 120, Deduct	-0.66	
For Work In Restricted Working Space, Add	10.26	
22 11 16 00-0061 EA 1-1/4", 150 LB, Galvanized Malleable Iron 45 Degree Elbow	46.92	25.85
For 300 LB Rating, Add	30.27	
For ASTM 120, Deduct	-1.23	
For Work In Restricted Working Space, Add	11.61	
22 11 16 00-0062 EA 1-1/2", 150 LB, Galvanized Malleable Iron 45 Degree Elbow	53.29	29.12
For 300 LB Rating, Add	35.43	
For ASTM 120, Deduct	-1.45	
For Work In Restricted Working Space, Add	13.09	
22 11 16 00-0063 EA 2", 150 LB, Galvanized Malleable Iron 45 Degree Elbow.....	69.72	37.03
For 300 LB Rating, Add	51.88	
For ASTM 120, Deduct	-2.14	
For Work In Restricted Working Space, Add	16.63	
22 11 16 00-0064 EA 2-1/2", 150 LB, Galvanized Malleable Iron 45 Degree Elbow	131.75	54.77
For 300 LB Rating, Add	173.90	
For ASTM 120, Deduct	-7.46	
For Work In Restricted Working Space, Add	24.62	
22 11 16 00-0065 EA 3", 150 LB, Galvanized Malleable Iron 45 Degree Elbow.....	180.24	72.00
For 300 LB Rating, Add	252.23	
For ASTM 120, Deduct	-10.84	
For Work In Restricted Working Space, Add	32.39	
22 11 16 00-0066 EA 4", 150 LB, Galvanized Malleable Iron 45 Degree Elbow.....	230.83	73.11
For 300 LB Rating, Add	418.59	
For ASTM 120, Deduct	-18.18	
For Work In Restricted Working Space, Add	32.90	
22 11 16 00-0067 EA 5", 150 LB, Galvanized Malleable Iron 45 Degree Elbow.....	604.08	76.31
For 300 LB Rating, Add	1,671.74	
For ASTM 120, Deduct	-73.45	
For Work In Restricted Working Space, Add	34.32	
22 11 16 00-0068 EA 6", 150 LB, Galvanized Malleable Iron 45 Degree Elbow.....	710.03	79.79
For 300 LB Rating, Add	2,014.60	
For ASTM 120, Deduct	-88.56	
For Work In Restricted Working Space, Add	35.88	
22 11 16 00-0069 Galvanized Malleable Iron Tees (22 11 16 00-0013)		
22 11 16 00-0070 EA 1/2", 150 LB, Galvanized Malleable Iron Tee.....	36.41	22.77
For 300 LB Rating, Add	9.60	
For ASTM 120, Deduct	-0.33	
For Work In Restricted Working Space, Add	10.26	
22 11 16 00-0071 EA 3/4", 150 LB, Galvanized Malleable Iron Tee.....	43.11	26.36
For 300 LB Rating, Add	14.81	
For ASTM 120, Deduct	-0.55	
For Work In Restricted Working Space, Add	11.84	
22 11 16 00-0072 EA 1", 150 LB, Galvanized Malleable Iron Tee.....	52.53	31.07
For 300 LB Rating, Add	22.89	
For ASTM 120, Deduct	-0.89	
For Work In Restricted Working Space, Add	13.99	
22 11 16 00-0073 EA 1-1/4", 150 LB, Galvanized Malleable Iron Tee.....	64.83	37.03
For 300 LB Rating, Add	35.25	
For ASTM 120, Deduct	-1.41	
For Work In Restricted Working Space, Add	16.63	
22 11 16 00-0074 EA 1-1/2", 150 LB, Galvanized Malleable Iron Tee.....	77.84	44.10
For 300 LB Rating, Add	43.65	
For ASTM 120, Deduct	-1.75	
For Work In Restricted Working Space, Add	19.85	
22 11 16 00-0075 EA 2", 150 LB, Galvanized Malleable Iron Tee.....	101.01	54.77
For 300 LB Rating, Add	69.39	
For ASTM 120, Deduct	-2.84	
For Work In Restricted Working Space, Add	24.62	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
				22 11 16 00-0076 EA 2-1/2", 150 LB, Galvanized Malleable Iron Tee 142.57		59.48
				For 300 LB Rating, Add	186.88	
				For ASTM 120, Deduct	-8.01	
				For Work In Restricted Working Space, Add	26.75	
				22 11 16 00-0077 EA 3", 150 LB, Galvanized Malleable Iron Tee..... 170.57		72.00
				For 300 LB Rating, Add	219.35	
				For ASTM 120, Deduct	-9.39	
				For Work In Restricted Working Space, Add	32.39	
				22 11 16 00-0078 EA 4", 150 LB, Galvanized Malleable Iron Tee..... 286.61		92.38
				For 300 LB Rating, Add	511.88	
				For ASTM 120, Deduct	-22.22	
				For Work In Restricted Working Space, Add	41.55	
				22 11 16 00-0079 EA 5", 150 LB, Galvanized Malleable Iron Tee..... 630.05		109.68
				For 300 LB Rating, Add	1,592.84	
				For ASTM 120, Deduct	-69.84	
				For Work In Restricted Working Space, Add	49.34	
				22 11 16 00-0080 EA 6", 150 LB, Galvanized Malleable Iron Tee..... 716.04		125.38
				For 300 LB Rating, Add	1,806.75	
				For ASTM 120, Deduct	-79.21	
				For Work In Restricted Working Space, Add	56.39	
				22 11 16 00-0081 Galvanized Malleable Iron Reducing Tee (22 11 16 00-0013)		
				22 11 16 00-0082 EA 1/2", 150 LB, Galvanized Malleable Iron Reducing Tee..... 39.35		22.77
				For 300 LB Rating, Add	19.60	
				For ASTM 120, Deduct	-0.77	
				For Work In Restricted Working Space, Add	10.26	
				22 11 16 00-0083 EA 3/4", 150 LB, Galvanized Malleable Iron Reducing Tee..... 44.53		26.36
				For 300 LB Rating, Add	19.64	
				For ASTM 120, Deduct	-0.76	
				For Work In Restricted Working Space, Add	11.84	
				22 11 16 00-0084 EA 1", 150 LB, Galvanized Malleable Iron Reducing Tee..... 53.76		31.07
				For 300 LB Rating, Add	27.07	
				For ASTM 120, Deduct	-1.07	
				For Work In Restricted Working Space, Add	13.99	
				22 11 16 00-0085 EA 1-1/4", 150 LB, Galvanized Malleable Iron Reducing Tee 66.52		37.03
				For 300 LB Rating, Add	41.00	
				For ASTM 120, Deduct	-1.66	
				For Work In Restricted Working Space, Add	16.63	
				22 11 16 00-0086 EA 1-1/2", 150 LB, Galvanized Malleable Iron Reducing Tee 79.85		44.10
				For 300 LB Rating, Add	50.48	
				For ASTM 120, Deduct	-2.05	
				For Work In Restricted Working Space, Add	19.85	
				22 11 16 00-0087 EA 2", 150 LB, Galvanized Malleable Iron Reducing Tee..... 102.03		54.77
				For 300 LB Rating, Add	72.86	
				For ASTM 120, Deduct	-3.00	
				For Work In Restricted Working Space, Add	24.62	
				22 11 16 00-0088 EA 2-1/2", 150 LB, Galvanized Malleable Iron Reducing Tee 160.03		59.69
				For 300 LB Rating, Add	245.31	
				For ASTM 120, Deduct	-10.59	
				For Work In Restricted Working Space, Add	26.84	
				22 11 16 00-0089 EA 3", 150 LB, Galvanized Malleable Iron Reducing Tee..... 201.19		73.13
				For 300 LB Rating, Add	317.75	
				For ASTM 120, Deduct	-13.73	
				For Work In Restricted Working Space, Add	32.90	
				22 11 16 00-0090 EA 4", 150 LB, Galvanized Malleable Iron Reducing Tee..... 403.80		92.38
				For 300 LB Rating, Add	910.33	
				For ASTM 120, Deduct	-39.80	
				For Work In Restricted Working Space, Add	41.55	
				22 11 16 00-0091 EA 5", 150 LB, Galvanized Malleable Iron Reducing Tee..... 779.82		109.68
				For 300 LB Rating, Add	2,102.06	
				For ASTM 120, Deduct	-92.30	
				For Work In Restricted Working Space, Add	49.34	
				22 11 16 00-0092 EA 6", 150 LB, Galvanized Malleable Iron Reducing Tee..... 885.91		125.38
				For 300 LB Rating, Add	2,384.31	
				For ASTM 120, Deduct	-104.69	
				For Work In Restricted Working Space, Add	56.39	
				22 11 16 00-0093 Galvanized Malleable Iron Couplings (22 11 16 00-0013)		
				22 11 16 00-0094 EA 1/2", 150 LB, Galvanized Malleable Iron Coupling..... 29.86		18.26
				For 300 LB Rating, Add	10.18	
				For ASTM 120, Deduct	-0.38	
				For Work In Restricted Working Space, Add	8.21	
				22 11 16 00-0095 EA 3/4", 150 LB, Galvanized Malleable Iron Coupling..... 33.50		20.41
				For 300 LB Rating, Add	11.66	
				For ASTM 120, Deduct	-0.43	
				For Work In Restricted Working Space, Add	9.18	
				22 11 16 00-0096 EA 1", 150 LB, Galvanized Malleable Iron Coupling..... 38.93		22.77
				For 300 LB Rating, Add	18.17	
				For ASTM 120, Deduct	-0.71	
				For Work In Restricted Working Space, Add	10.26	

22	Plumbing
22 10	Plumbing Piping
22 11	Facility Water Distribution



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0097	EA		1-1/4", 150 LB, Galvanized Malleable Iron Coupling.....	45.38	25.85
			<i>For 300 LB Rating, Add</i>	25.03	
			<i>For ASTM 120, Deduct</i>	-1.00	
			<i>For Work In Restricted Working Space, Add</i>	11.61	
22 11 16 00-0098	EA		1-1/2", 150 LB, Galvanized Malleable Iron Coupling.....	51.23	29.12
			<i>For 300 LB Rating, Add</i>	28.42	
			<i>For ASTM 120, Deduct</i>	-1.14	
			<i>For Work In Restricted Working Space, Add</i>	13.09	
22 11 16 00-0099	EA		2", 150 LB, Galvanized Malleable Iron Coupling.....	66.54	37.03
			<i>For 300 LB Rating, Add</i>	41.07	
			<i>For ASTM 120, Deduct</i>	-1.67	
			<i>For Work In Restricted Working Space, Add</i>	16.63	
22 11 16 00-0100	EA		2-1/2", 150 LB, Galvanized Malleable Iron Coupling.....	116.04	54.77
			<i>For 300 LB Rating, Add</i>	120.49	
			<i>For ASTM 120, Deduct</i>	-5.10	
			<i>For Work In Restricted Working Space, Add</i>	24.62	
22 11 16 00-0101	EA		3", 150 LB, Galvanized Malleable Iron Coupling.....	153.39	72.00
			<i>For 300 LB Rating, Add</i>	160.94	
			<i>For ASTM 120, Deduct</i>	-6.81	
			<i>For Work In Restricted Working Space, Add</i>	32.39	
22 11 16 00-0102	EA		4", 150 LB, Galvanized Malleable Iron Coupling.....	206.12	73.11
			<i>For 300 LB Rating, Add</i>	334.58	
			<i>For ASTM 120, Deduct</i>	-14.47	
			<i>For Work In Restricted Working Space, Add</i>	32.90	
22 11 16 00-0103	EA		5", 150 LB, Galvanized Malleable Iron Coupling.....	386.06	76.31
			<i>For 300 LB Rating, Add</i>	930.47	
			<i>For ASTM 120, Deduct</i>	-40.75	
			<i>For Work In Restricted Working Space, Add</i>	34.32	
22 11 16 00-0104	EA		6", 150 LB, Galvanized Malleable Iron Coupling.....	429.09	79.79
			<i>For 300 LB Rating, Add</i>	1,059.41	
			<i>For ASTM 120, Deduct</i>	-46.42	
			<i>For Work In Restricted Working Space, Add</i>	35.88	
22 11 16 00-0105			Galvanized Malleable Iron Reducing Couplings (22 11 16 00-0013)		
22 11 16 00-0106	EA		1/2", 150 LB, Galvanized Malleable Iron Reducing Coupling.....	30.39	18.26
			<i>For 300 LB Rating, Add</i>	11.98	
			<i>For ASTM 120, Deduct</i>	-0.46	
			<i>For Work In Restricted Working Space, Add</i>	8.21	
22 11 16 00-0107	EA		3/4", 150 LB, Galvanized Malleable Iron Reducing Coupling.....	33.86	20.41
			<i>For 300 LB Rating, Add</i>	12.89	
			<i>For ASTM 120, Deduct</i>	-0.49	
			<i>For Work In Restricted Working Space, Add</i>	9.18	
22 11 16 00-0108	EA		1", 150 LB, Galvanized Malleable Iron Reducing Coupling.....	39.61	22.77
			<i>For 300 LB Rating, Add</i>	20.48	
			<i>For ASTM 120, Deduct</i>	-0.81	
			<i>For Work In Restricted Working Space, Add</i>	10.26	
22 11 16 00-0109	EA		1-1/4", 150 LB, Galvanized Malleable Iron Reducing Coupling.....	45.71	25.85
			<i>For 300 LB Rating, Add</i>	26.16	
			<i>For ASTM 120, Deduct</i>	-1.05	
			<i>For Work In Restricted Working Space, Add</i>	11.61	
22 11 16 00-0110	EA		1-1/2", 150 LB, Galvanized Malleable Iron Reducing Coupling.....	52.68	29.12
			<i>For 300 LB Rating, Add</i>	33.35	
			<i>For ASTM 120, Deduct</i>	-1.36	
			<i>For Work In Restricted Working Space, Add</i>	13.09	
22 11 16 00-0111	EA		2", 150 LB, Galvanized Malleable Iron Reducing Coupling.....	67.77	37.03
			<i>For 300 LB Rating, Add</i>	45.25	
			<i>For ASTM 120, Deduct</i>	-1.85	
			<i>For Work In Restricted Working Space, Add</i>	16.63	
22 11 16 00-0112	EA		2-1/2", 150 LB, Galvanized Malleable Iron Reducing Coupling.....	116.47	54.77
			<i>For 300 LB Rating, Add</i>	121.95	
			<i>For ASTM 120, Deduct</i>	-5.16	
			<i>For Work In Restricted Working Space, Add</i>	24.62	
22 11 16 00-0113	EA		3", 150 LB, Galvanized Malleable Iron Reducing Coupling.....	152.10	72.00
			<i>For 300 LB Rating, Add</i>	156.55	
			<i>For ASTM 120, Deduct</i>	-6.62	
			<i>For Work In Restricted Working Space, Add</i>	32.39	
22 11 16 00-0114	EA		4", 150 LB, Galvanized Malleable Iron Reducing Coupling.....	208.61	73.11
			<i>For 300 LB Rating, Add</i>	343.04	
			<i>For ASTM 120, Deduct</i>	-14.84	
			<i>For Work In Restricted Working Space, Add</i>	32.90	
22 11 16 00-0115	EA		5", 150 LB, Galvanized Malleable Iron Reducing Coupling.....	400.36	76.31
			<i>For 300 LB Rating, Add</i>	979.09	
			<i>For ASTM 120, Deduct</i>	-42.89	
			<i>For Work In Restricted Working Space, Add</i>	34.32	
22 11 16 00-0116	EA		6", 150 LB, Galvanized Malleable Iron Reducing Coupling.....	445.38	79.79
			<i>For 300 LB Rating, Add</i>	1,114.79	
			<i>For ASTM 120, Deduct</i>	-48.87	
			<i>For Work In Restricted Working Space, Add</i>	35.88	

22 11 16 00-0117 Galvanized Malleable Iron Caps (22 11 16 00-0013)



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0118 EA 1/2", 150 LB, Galvanized Malleable Iron Cap	14.72	8.51
For 300 LB Rating, Add	7.23	
For ASTM 120, Deduct	-0.29	
For Work In Restricted Working Space, Add	3.85	
22 11 16 00-0119 EA 3/4", 150 LB, Galvanized Malleable Iron Cap	16.30	9.13
For 300 LB Rating, Add	9.76	
For ASTM 120, Deduct	-0.39	
For Work In Restricted Working Space, Add	4.10	
22 11 16 00-0120 EA 1", 150 LB, Galvanized Malleable Iron Cap	19.04	10.57
For 300 LB Rating, Add	12.03	
For ASTM 120, Deduct	-0.49	
For Work In Restricted Working Space, Add	4.73	
22 11 16 00-0121 EA 1-1/4", 150 LB, Galvanized Malleable Iron Cap	20.84	11.08
For 300 LB Rating, Add	15.58	
For ASTM 120, Deduct	-0.64	
For Work In Restricted Working Space, Add	4.97	
22 11 16 00-0122 EA 1-1/2", 150 LB, Galvanized Malleable Iron Cap	22.04	11.08
For 300 LB Rating, Add	19.66	
For ASTM 120, Deduct	-0.82	
For Work In Restricted Working Space, Add	4.97	
22 11 16 00-0123 EA 2", 150 LB, Galvanized Malleable Iron Cap	29.75	14.67
For 300 LB Rating, Add	27.47	
For ASTM 120, Deduct	-1.15	
For Work In Restricted Working Space, Add	6.62	
22 11 16 00-0124 EA 2-1/2", 150 LB, Galvanized Malleable Iron Cap	49.70	18.26
For 300 LB Rating, Add	77.63	
For ASTM 120, Deduct	-3.35	
For Work In Restricted Working Space, Add	8.21	
22 11 16 00-0125 EA 3", 150 LB, Galvanized Malleable Iron Cap	60.16	22.05
For 300 LB Rating, Add	94.06	
For ASTM 120, Deduct	-4.06	
For Work In Restricted Working Space, Add	9.92	
22 11 16 00-0126 EA 4", 150 LB, Galvanized Malleable Iron Cap	97.42	25.10
For 300 LB Rating, Add	205.68	
For ASTM 120, Deduct	-8.97	
For Work In Restricted Working Space, Add	11.28	
22 11 16 00-0127 EA 5", 150 LB, Galvanized Malleable Iron Cap	207.52	31.39
For 300 LB Rating, Add	548.62	
For ASTM 120, Deduct	-24.08	
For Work In Restricted Working Space, Add	14.10	
22 11 16 00-0128 EA 6", 150 LB, Galvanized Malleable Iron Cap	258.87	37.31
For 300 LB Rating, Add	693.15	
For ASTM 120, Deduct	-30.43	
For Work In Restricted Working Space, Add	16.80	
22 11 16 00-0129 Galvanized Malleable Iron Unions (22 11 16 00-0013)		
22 11 16 00-0130 EA 1/2", 150 LB, Galvanized Malleable Iron Union	41.61	22.77
For Work In Restricted Working Space, Add	10.26	
22 11 16 00-0131 EA 3/4", 150 LB, Galvanized Malleable Iron Union	47.97	26.36
For Work In Restricted Working Space, Add	11.84	
22 11 16 00-0132 EA 1", 150 LB, Galvanized Malleable Iron Union	57.78	31.07
For Work In Restricted Working Space, Add	13.99	
22 11 16 00-0133 EA 1-1/4", 150 LB, Galvanized Malleable Iron Union	71.58	37.03
For Work In Restricted Working Space, Add	16.63	
22 11 16 00-0134 EA 1-1/2", 150 LB, Galvanized Malleable Iron Union	85.72	44.10
For Work In Restricted Working Space, Add	19.85	
22 11 16 00-0135 EA 2", 150 LB, Galvanized Malleable Iron Union	104.52	54.77
For Work In Restricted Working Space, Add	24.62	
22 11 16 00-0136 EA 2-1/2", 150 LB, Galvanized Malleable Iron Union	199.19	80.72
For Work In Restricted Working Space, Add	36.34	
22 11 16 00-0137 EA 3", 150 LB, Galvanized Malleable Iron Union	268.64	106.15
For Work In Restricted Working Space, Add	47.81	
22 11 16 00-0138 EA 1/2", 250 LB, Galvanized Malleable Iron Union	49.26	22.77
For Work In Restricted Working Space, Add	10.25	
22 11 16 00-0139 EA 3/4", 250 LB, Galvanized Malleable Iron Union	53.15	26.36
For Work In Restricted Working Space, Add	11.84	
22 11 16 00-0140 EA 1", 250 LB, Galvanized Malleable Iron Union	63.61	31.07
For Work In Restricted Working Space, Add	13.99	
22 11 16 00-0141 EA 1-1/4", 250 LB, Galvanized Malleable Iron Union	81.16	37.03
For Work In Restricted Working Space, Add	16.63	
22 11 16 00-0142 EA 1-1/2", 250 LB, Galvanized Malleable Iron Union	95.79	44.10
For Work In Restricted Working Space, Add	19.85	
22 11 16 00-0143 EA 2", 250 LB, Galvanized Malleable Iron Union	123.88	54.77
For Work In Restricted Working Space, Add	24.62	
22 11 16 00-0144 EA 2-1/2", 250 LB, Galvanized Malleable Iron Union	231.16	80.72
For Work In Restricted Working Space, Add	36.34	
22 11 16 00-0145 EA 3", 250 LB, Galvanized Malleable Iron Union	328.19	106.15
For Work In Restricted Working Space, Add	47.81	
22 11 16 00-0146 EA 4", 250 LB, Galvanized Malleable Iron Union	426.67	107.89
For Work In Restricted Working Space, Add	48.56	
22 11 16 00-0147 EA 1/2", 300 LB, Galvanized Malleable Iron Union	51.36	22.77
For Work In Restricted Working Space, Add	10.25	
22 11 16 00-0148 EA 3/4", 300 LB, Galvanized Malleable Iron Union	58.08	26.36
For Work In Restricted Working Space, Add	11.84	

22 Plumbing
22 10 Plumbing Piping
22 11 Facility Water Distribution



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0149	EA		1", 300 LB, Galvanized Malleable Iron Union..... <i>For Work In Restricted Working Space, Add</i>	71.34 13.99	31.07
22 11 16 00-0150	EA		1-1/4", 300 LB, Galvanized Malleable Iron Union <i>For Work In Restricted Working Space, Add</i>	89.90 16.63	37.03
22 11 16 00-0151	EA		1-1/2", 300 LB, Galvanized Malleable Iron Union <i>For Work In Restricted Working Space, Add</i>	107.67 19.85	44.10
22 11 16 00-0152	EA		2", 300 LB, Galvanized Malleable Iron Union..... <i>For Work In Restricted Working Space, Add</i>	131.87 24.62	54.77
22 11 16 00-0153	EA		2-1/2", 300 LB, Galvanized Malleable Iron Union <i>For Work In Restricted Working Space, Add</i>	260.09 36.34	80.72
22 11 16 00-0154	EA		3", 300 LB, Galvanized Malleable Iron Union..... <i>For Work In Restricted Working Space, Add</i>	394.39 47.81	106.15
22 11 16 00-0155	EA		4", 300 LB, Galvanized Malleable Iron Union..... <i>For Work In Restricted Working Space, Add</i>	751.29 48.56	107.89
22 11 16 00-0156 Galvanized Steel Nipples (22 11 16 00-0013) Note: ASTM A-53.					
22 11 16 00-0157	EA		3/8" x Close, Schedule 40 Galvanized Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	15.42 0.88 -0.12 4.40	9.74
22 11 16 00-0158	EA		1/2" x Close, Schedule 40 Galvanized Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	15.27 0.71 -0.09 4.40	9.74
22 11 16 00-0159	EA		3/4" x Close, Schedule 40 Galvanized Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	15.40 0.86 -0.11 4.40	9.74
22 11 16 00-0160	EA		1" x Close, Schedule 40 Galvanized Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	16.82 1.19 -0.16 4.73	10.57
22 11 16 00-0161	EA		1-1/4" x Close, Schedule 40 Galvanized Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	18.48 1.58 -0.21 5.13	11.38
22 11 16 00-0162	EA		1-1/2" x Close, Schedule 40 Galvanized Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	18.72 1.86 -0.24 5.13	11.38
22 11 16 00-0163	EA		2" x Close, Schedule 40 Galvanized Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	24.36 2.62 -0.35 6.62	14.67
22 11 16 00-0164	EA		2-1/2" x Close, Schedule 40 Galvanized Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	34.19 7.80 -1.03 8.21	18.26
22 11 16 00-0165	EA		3" x Close, Schedule 40 Galvanized Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	41.28 9.35 -1.23 9.92	22.05
22 11 16 00-0166	EA		4" x Close, Schedule 40 Galvanized Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	49.88 14.01 -1.84 11.28	25.10
22 11 16 00-0167	EA		3/8" x 1-1/2" Long, Schedule 40 Galvanized Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	15.53 1.00 -0.13 4.40	9.74
22 11 16 00-0168	EA		1/2" x 1-1/2" Long, Schedule 40 Galvanized Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	15.30 0.74 -0.10 4.40	9.74
22 11 16 00-0169	EA		3/4" x 1-1/2" Long, Schedule 40 Galvanized Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	15.47 0.93 -0.12 4.40	9.74
22 11 16 00-0170	EA		3/8" x 2" Long, Schedule 40 Galvanized Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	15.53 1.00 -0.13 4.40	9.74
22 11 16 00-0171	EA		1/2" x 2" Long, Schedule 40 Galvanized Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	15.30 0.74 -0.10 4.40	9.74
22 11 16 00-0172	EA		3/4" x 2" Long, Schedule 40 Galvanized Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	15.47 0.93 -0.12 4.40	9.74
22 11 16 00-0173	EA		1" x 2" Long, Schedule 40 Galvanized Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	17.00 1.39 -0.18 4.73	10.57



Plumbing	22
Plumbing Piping	22 10
Facility Water Distribution	22 11

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0174	EA		1-1/4" x 2" Long, Schedule 40 Galvanized Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	18.58 1.70 -0.22 5.13	11.38
22 11 16 00-0175	EA		1-1/2" x 2" Long, Schedule 40 Galvanized Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	18.84 2.00 -0.26 5.13	11.38
22 11 16 00-0176	EA		3/8" x 2-1/2" Long, Schedule 40 Galvanized Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	15.83 1.35 -0.18 4.40	9.74
22 11 16 00-0177	EA		1/2" x 2-1/2" Long, Schedule 40 Galvanized Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	15.42 0.88 -0.12 4.40	9.74
22 11 16 00-0178	EA		3/4" x 2-1/2" Long, Schedule 40 Galvanized Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	15.56 1.04 -0.14 4.40	9.74
22 11 16 00-0179	EA		1" x 2-1/2" Long, Schedule 40 Galvanized Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	17.10 1.50 -0.20 4.73	10.57
22 11 16 00-0180	EA		1-1/4" x 2-1/2" Long, Schedule 40 Galvanized Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	18.73 1.87 -0.25 5.13	11.38
22 11 16 00-0181	EA		1-1/2" x 2-1/2" Long, Schedule 40 Galvanized Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	19.04 2.22 -0.29 5.13	11.38
22 11 16 00-0182	EA		2" x 2-1/2" Long, Schedule 40 Galvanized Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	24.65 2.95 -0.39 6.62	14.67
22 11 16 00-0183	EA		3/8" x 3" Long, Schedule 40 Galvanized Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	15.83 1.35 -0.18 4.40	9.74
22 11 16 00-0184	EA		1/2" x 3" Long, Schedule 40 Galvanized Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	15.42 0.88 -0.12 4.40	9.74
22 11 16 00-0185	EA		3/4" x 3" Long, Schedule 40 Galvanized Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	15.56 1.04 -0.14 4.40	9.74
22 11 16 00-0186	EA		1" x 3" Long, Schedule 40 Galvanized Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	17.10 1.50 -0.20 4.73	10.57
22 11 16 00-0187	EA		1-1/4" x 3" Long, Schedule 40 Galvanized Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	18.73 1.87 -0.25 5.13	11.38
22 11 16 00-0188	EA		1-1/2" x 3" Long, Schedule 40 Galvanized Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	19.04 2.22 -0.29 5.13	11.38
22 11 16 00-0189	EA		2" x 3" Long, Schedule 40 Galvanized Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	24.65 2.95 -0.39 6.62	14.67
22 11 16 00-0190	EA		2-1/2" x 3" Long, Schedule 40 Galvanized Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	34.45 8.09 -1.07 8.21	18.26
22 11 16 00-0191	EA		3" x 3" Long, Schedule 40 Galvanized Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	42.41 10.64 -1.40 9.92	22.05
22 11 16 00-0192	EA		3/8" x 3-1/2" Long, Schedule 40 Galvanized Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	16.05 1.60 -0.21 4.40	9.74
22 11 16 00-0193	EA		1/2" x 3-1/2" Long, Schedule 40 Galvanized Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	15.60 1.08 -0.14 4.40	9.74
22 11 16 00-0194	EA		3/4" x 3-1/2" Long, Schedule 40 Galvanized Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	15.83 1.35 -0.18 4.40	9.74

22	Plumbing
22 10	Plumbing Piping
22 11	Facility Water Distribution



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0195	EA		1" x 3-1/2" Long, Schedule 40 Galvanized Steel Nipple	17.37	10.57
			<i>For Schedule 80 Nipples, Add</i>	1.81	
			<i>For ASTM 120, Deduct</i>	-0.24	
			<i>For Work In Restricted Working Space, Add</i>	4.73	
22 11 16 00-0196	EA		1-1/4" x 3-1/2" Long, Schedule 40 Galvanized Steel Nipple	19.04	11.38
			<i>For Schedule 80 Nipples, Add</i>	2.22	
			<i>For ASTM 120, Deduct</i>	-0.29	
			<i>For Work In Restricted Working Space, Add</i>	5.13	
22 11 16 00-0197	EA		1-1/2" x 3-1/2" Long, Schedule 40 Galvanized Steel Nipple	19.56	11.38
			<i>For Schedule 80 Nipples, Add</i>	2.82	
			<i>For ASTM 120, Deduct</i>	-0.37	
			<i>For Work In Restricted Working Space, Add</i>	5.13	
22 11 16 00-0198	EA		2" x 3-1/2" Long, Schedule 40 Galvanized Steel Nipple	25.20	14.67
			<i>For Schedule 80 Nipples, Add</i>	3.58	
			<i>For ASTM 120, Deduct</i>	-0.47	
			<i>For Work In Restricted Working Space, Add</i>	6.62	
22 11 16 00-0199	EA		2-1/2" x 3-1/2" Long, Schedule 40 Galvanized Steel Nipple	35.59	18.26
			<i>For Schedule 80 Nipples, Add</i>	9.39	
			<i>For ASTM 120, Deduct</i>	-1.24	
			<i>For Work In Restricted Working Space, Add</i>	8.21	
22 11 16 00-0200	EA		3" x 3-1/2" Long, Schedule 40 Galvanized Steel Nipple	44.02	22.05
			<i>For Schedule 80 Nipples, Add</i>	12.47	
			<i>For ASTM 120, Deduct</i>	-1.64	
			<i>For Work In Restricted Working Space, Add</i>	9.92	
22 11 16 00-0201	EA		3/8" x 4" Long, Schedule 40 Galvanized Steel Nipple.....	16.05	9.74
			<i>For Schedule 80 Nipples, Add</i>	1.60	
			<i>For ASTM 120, Deduct</i>	-0.21	
			<i>For Work In Restricted Working Space, Add</i>	4.40	
22 11 16 00-0202	EA		1/2" x 4" Long, Schedule 40 Galvanized Steel Nipple.....	15.60	9.74
			<i>For Schedule 80 Nipples, Add</i>	1.08	
			<i>For ASTM 120, Deduct</i>	-0.14	
			<i>For Work In Restricted Working Space, Add</i>	4.40	
22 11 16 00-0203	EA		3/4" x 4" Long, Schedule 40 Galvanized Steel Nipple.....	16.05	9.74
			<i>For Schedule 80 Nipples, Add</i>	1.60	
			<i>For ASTM 120, Deduct</i>	-0.21	
			<i>For Work In Restricted Working Space, Add</i>	4.40	
22 11 16 00-0204	EA		1" x 4" Long, Schedule 40 Galvanized Steel Nipple.....	17.37	10.57
			<i>For Schedule 80 Nipples, Add</i>	1.81	
			<i>For ASTM 120, Deduct</i>	-0.24	
			<i>For Work In Restricted Working Space, Add</i>	4.73	
22 11 16 00-0205	EA		1-1/4" x 4" Long, Schedule 40 Galvanized Steel Nipple	19.04	11.38
			<i>For Schedule 80 Nipples, Add</i>	2.22	
			<i>For ASTM 120, Deduct</i>	-0.29	
			<i>For Work In Restricted Working Space, Add</i>	5.13	
22 11 16 00-0206	EA		1-1/2" x 4" Long, Schedule 40 Galvanized Steel Nipple	19.56	11.38
			<i>For Schedule 80 Nipples, Add</i>	2.82	
			<i>For ASTM 120, Deduct</i>	-0.37	
			<i>For Work In Restricted Working Space, Add</i>	5.13	
22 11 16 00-0207	EA		2" x 4" Long, Schedule 40 Galvanized Steel Nipple.....	25.23	14.67
			<i>For Schedule 80 Nipples, Add</i>	3.61	
			<i>For ASTM 120, Deduct</i>	-0.48	
			<i>For Work In Restricted Working Space, Add</i>	6.62	
22 11 16 00-0208	EA		2-1/2" x 4" Long, Schedule 40 Galvanized Steel Nipple	35.59	18.26
			<i>For Schedule 80 Nipples, Add</i>	9.39	
			<i>For ASTM 120, Deduct</i>	-1.24	
			<i>For Work In Restricted Working Space, Add</i>	8.21	
22 11 16 00-0209	EA		3" x 4" Long, Schedule 40 Galvanized Steel Nipple.....	44.02	22.05
			<i>For Schedule 80 Nipples, Add</i>	12.47	
			<i>For ASTM 120, Deduct</i>	-1.64	
			<i>For Work In Restricted Working Space, Add</i>	9.92	
22 11 16 00-0210	EA		4" x 4" Long, Schedule 40 Galvanized Steel Nipple.....	52.28	25.10
			<i>For Schedule 80 Nipples, Add</i>	16.75	
			<i>For ASTM 120, Deduct</i>	-2.20	
			<i>For Work In Restricted Working Space, Add</i>	11.28	
22 11 16 00-0211	EA		3/8" x 4-1/2" Long, Schedule 40 Galvanized Steel Nipple	16.57	9.74
			<i>For Schedule 80 Nipples, Add</i>	2.19	
			<i>For ASTM 120, Deduct</i>	-0.29	
			<i>For Work In Restricted Working Space, Add</i>	4.40	
22 11 16 00-0212	EA		1/2" x 4-1/2" Long, Schedule 40 Galvanized Steel Nipple	15.79	9.74
			<i>For Schedule 80 Nipples, Add</i>	1.30	
			<i>For ASTM 120, Deduct</i>	-0.17	
			<i>For Work In Restricted Working Space, Add</i>	4.40	
22 11 16 00-0213	EA		3/4" x 4-1/2" Long, Schedule 40 Galvanized Steel Nipple	16.05	9.74
			<i>For Schedule 80 Nipples, Add</i>	1.60	
			<i>For ASTM 120, Deduct</i>	-0.21	
			<i>For Work In Restricted Working Space, Add</i>	4.40	
22 11 16 00-0214	EA		1" x 4-1/2" Long, Schedule 40 Galvanized Steel Nipple	17.73	10.57
			<i>For Schedule 80 Nipples, Add</i>	2.22	
			<i>For ASTM 120, Deduct</i>	-0.29	
			<i>For Work In Restricted Working Space, Add</i>	4.73	
22 11 16 00-0215	EA		1-1/4" x 4-1/2" Long, Schedule 40 Galvanized Steel Nipple	19.50	11.38
			<i>For Schedule 80 Nipples, Add</i>	2.75	
			<i>For ASTM 120, Deduct</i>	-0.36	
			<i>For Work In Restricted Working Space, Add</i>	5.13	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0216	EA	1-1/2"	x 4-1/2" Long, Schedule 40 Galvanized Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	20.07 3.40 -0.45 5.13	11.38
22 11 16 00-0217	EA	2"	x 4-1/2" Long, Schedule 40 Galvanized Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	26.07 4.57 -0.60 6.62	14.67
22 11 16 00-0218	EA	2-1/2"	x 4-1/2" Long, Schedule 40 Galvanized Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	36.54 10.48 -1.38 8.21	18.26
22 11 16 00-0219	EA	3"	x 4-1/2" Long, Schedule 40 Galvanized Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	45.83 14.54 -1.91 9.92	22.05
22 11 16 00-0220	EA	4"	x 4-1/2" Long, Schedule 40 Galvanized Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	54.06 18.78 -2.47 11.28	25.10
22 11 16 00-0221	EA	3/8"	x 5" Long, Schedule 40 Galvanized Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	16.57 2.19 -0.29 4.40	9.74
22 11 16 00-0222	EA	1/2"	x 5" Long, Schedule 40 Galvanized Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	15.79 1.30 -0.17 4.40	9.74
22 11 16 00-0223	EA	3/4"	x 5" Long, Schedule 40 Galvanized Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	16.05 1.60 -0.21 4.40	9.74
22 11 16 00-0224	EA	1"	x 5" Long, Schedule 40 Galvanized Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	17.73 2.22 -0.29 4.73	10.57
22 11 16 00-0225	EA	1-1/4"	x 5" Long, Schedule 40 Galvanized Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	19.50 2.75 -0.36 5.13	11.38
22 11 16 00-0226	EA	1-1/2"	x 5" Long, Schedule 40 Galvanized Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	20.07 3.40 -0.45 5.13	11.38
22 11 16 00-0227	EA	2"	x 5" Long, Schedule 40 Galvanized Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	26.07 4.57 -0.60 6.62	14.67
22 11 16 00-0228	EA	2-1/2"	x 5" Long, Schedule 40 Galvanized Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	36.54 10.48 -1.38 8.21	18.26
22 11 16 00-0229	EA	3"	x 5" Long, Schedule 40 Galvanized Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	45.83 14.54 -1.91 9.92	22.05
22 11 16 00-0230	EA	4"	x 5" Long, Schedule 40 Galvanized Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	54.06 18.78 -2.47 11.28	25.10
22 11 16 00-0231	EA	3/8"	x 6" Long, Schedule 40 Galvanized Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	16.79 2.44 -0.32 4.40	9.74
22 11 16 00-0232	EA	1/2"	x 6" Long, Schedule 40 Galvanized Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	15.95 1.48 -0.20 4.40	9.74
22 11 16 00-0233	EA	3/4"	x 6" Long, Schedule 40 Galvanized Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	16.33 1.92 -0.25 4.40	9.74
22 11 16 00-0234	EA	1"	x 6" Long, Schedule 40 Galvanized Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	17.99 2.52 -0.33 4.73	10.57
22 11 16 00-0235	EA	1-1/4"	x 6" Long, Schedule 40 Galvanized Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	19.89 3.19 -0.42 5.13	11.38
22 11 16 00-0236	EA	1-1/2"	x 6" Long, Schedule 40 Galvanized Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	20.44 3.82 -0.50 5.13	11.38

22	Plumbing
22 10	Plumbing Piping
22 11	Facility Water Distribution



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0237	EA		2" x 6" Long, Schedule 40 Galvanized Steel Nipple.....	26.72	14.67
			<i>For Schedule 80 Nipples, Add</i>	5.31	
			<i>For ASTM 120, Deduct</i>	-0.70	
			<i>For Work In Restricted Working Space, Add</i>	6.62	
22 11 16 00-0238	EA		2-1/2" x 6" Long, Schedule 40 Galvanized Steel Nipple	37.45	18.26
			<i>For Schedule 80 Nipples, Add</i>	11.51	
			<i>For ASTM 120, Deduct</i>	-1.52	
			<i>For Work In Restricted Working Space, Add</i>	8.21	
22 11 16 00-0239	EA		3" x 6" Long, Schedule 40 Galvanized Steel Nipple.....	46.57	22.05
			<i>For Schedule 80 Nipples, Add</i>	15.38	
			<i>For ASTM 120, Deduct</i>	-2.02	
			<i>For Work In Restricted Working Space, Add</i>	9.92	
22 11 16 00-0240	EA		4" x 6" Long, Schedule 40 Galvanized Steel Nipple.....	55.80	25.10
			<i>For Schedule 80 Nipples, Add</i>	20.76	
			<i>For ASTM 120, Deduct</i>	-2.73	
			<i>For Work In Restricted Working Space, Add</i>	11.28	
22 11 16 00-0241	EA		3/8" x 8" Long, Schedule 40 Galvanized Steel Nipple.....	23.19	9.74
			<i>For Schedule 80 Nipples, Add</i>	9.74	
			<i>For ASTM 120, Deduct</i>	-1.28	
			<i>For Work In Restricted Working Space, Add</i>	4.40	
22 11 16 00-0242	EA		1/2" x 8" Long, Schedule 40 Galvanized Steel Nipple.....	16.93	9.74
			<i>For Schedule 80 Nipples, Add</i>	2.60	
			<i>For ASTM 120, Deduct</i>	-0.34	
			<i>For Work In Restricted Working Space, Add</i>	4.40	
22 11 16 00-0243	EA		3/4" x 8" Long, Schedule 40 Galvanized Steel Nipple.....	17.57	9.74
			<i>For Schedule 80 Nipples, Add</i>	3.33	
			<i>For ASTM 120, Deduct</i>	-0.44	
			<i>For Work In Restricted Working Space, Add</i>	4.40	
22 11 16 00-0244	EA		1" x 8" Long, Schedule 40 Galvanized Steel Nipple.....	19.48	10.57
			<i>For Schedule 80 Nipples, Add</i>	4.22	
			<i>For ASTM 120, Deduct</i>	-0.56	
			<i>For Work In Restricted Working Space, Add</i>	4.73	
22 11 16 00-0245	EA		1-1/4" x 8" Long, Schedule 40 Galvanized Steel Nipple	21.63	11.38
			<i>For Schedule 80 Nipples, Add</i>	5.18	
			<i>For ASTM 120, Deduct</i>	-0.68	
			<i>For Work In Restricted Working Space, Add</i>	5.13	
22 11 16 00-0246	EA		1-1/2" x 8" Long, Schedule 40 Galvanized Steel Nipple	22.29	11.38
			<i>For Schedule 80 Nipples, Add</i>	5.93	
			<i>For ASTM 120, Deduct</i>	-0.78	
			<i>For Work In Restricted Working Space, Add</i>	5.13	
22 11 16 00-0247	EA		2" x 8" Long, Schedule 40 Galvanized Steel Nipple.....	29.65	14.67
			<i>For Schedule 80 Nipples, Add</i>	8.65	
			<i>For ASTM 120, Deduct</i>	-1.14	
			<i>For Work In Restricted Working Space, Add</i>	6.62	
22 11 16 00-0248	EA		2-1/2" x 8" Long, Schedule 40 Galvanized Steel Nipple	40.35	18.26
			<i>For Schedule 80 Nipples, Add</i>	14.82	
			<i>For ASTM 120, Deduct</i>	-1.95	
			<i>For Work In Restricted Working Space, Add</i>	8.21	
22 11 16 00-0249	EA		3" x 8" Long, Schedule 40 Galvanized Steel Nipple.....	51.25	22.05
			<i>For Schedule 80 Nipples, Add</i>	20.71	
			<i>For ASTM 120, Deduct</i>	-2.73	
			<i>For Work In Restricted Working Space, Add</i>	9.92	
22 11 16 00-0250	EA		4" x 8" Long, Schedule 40 Galvanized Steel Nipple.....	59.32	25.10
			<i>For Schedule 80 Nipples, Add</i>	24.77	
			<i>For ASTM 120, Deduct</i>	-3.26	
			<i>For Work In Restricted Working Space, Add</i>	11.28	
22 11 16 00-0251	EA		3/8" x 10" Long, Schedule 40 Galvanized Steel Nipple.....	18.73	9.74
			<i>For Schedule 80 Nipples, Add</i>	4.65	
			<i>For ASTM 120, Deduct</i>	-0.61	
			<i>For Work In Restricted Working Space, Add</i>	4.40	
22 11 16 00-0252	EA		1/2" x 10" Long, Schedule 40 Galvanized Steel Nipple.....	17.36	9.74
			<i>For Schedule 80 Nipples, Add</i>	3.09	
			<i>For ASTM 120, Deduct</i>	-0.41	
			<i>For Work In Restricted Working Space, Add</i>	4.40	
22 11 16 00-0253	EA		3/4" x 10" Long, Schedule 40 Galvanized Steel Nipple.....	17.89	9.74
			<i>For Schedule 80 Nipples, Add</i>	3.69	
			<i>For ASTM 120, Deduct</i>	-0.49	
			<i>For Work In Restricted Working Space, Add</i>	4.40	
22 11 16 00-0254	EA		1" x 10" Long, Schedule 40 Galvanized Steel Nipple.....	20.01	10.57
			<i>For Schedule 80 Nipples, Add</i>	4.82	
			<i>For ASTM 120, Deduct</i>	-0.63	
			<i>For Work In Restricted Working Space, Add</i>	4.73	
22 11 16 00-0255	EA		1-1/4" x 10" Long, Schedule 40 Galvanized Steel Nipple	22.51	11.38
			<i>For Schedule 80 Nipples, Add</i>	6.18	
			<i>For ASTM 120, Deduct</i>	-0.81	
			<i>For Work In Restricted Working Space, Add</i>	5.13	
22 11 16 00-0256	EA		1-1/2" x 10" Long, Schedule 40 Galvanized Steel Nipple	23.16	11.38
			<i>For Schedule 80 Nipples, Add</i>	6.92	
			<i>For ASTM 120, Deduct</i>	-0.91	
			<i>For Work In Restricted Working Space, Add</i>	5.13	
22 11 16 00-0257	EA		2" x 10" Long, Schedule 40 Galvanized Steel Nipple.....	30.94	14.67
			<i>For Schedule 80 Nipples, Add</i>	10.12	
			<i>For ASTM 120, Deduct</i>	-1.33	
			<i>For Work In Restricted Working Space, Add</i>	6.62	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0258	EA		2-1/2" x 10" Long, Schedule 40 Galvanized Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	42.17 16.89 -2.22 8.21	18.26
22 11 16 00-0259	EA		3" x 10" Long, Schedule 40 Galvanized Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	53.81 23.63 -3.11 9.92	22.05
22 11 16 00-0260	EA		4" x 10" Long, Schedule 40 Galvanized Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	62.78 28.72 -3.78 11.28	25.10
22 11 16 00-0261	EA		3/8" x 12" Long, Schedule 40 Galvanized Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	19.17 5.15 -0.68 4.40	9.74
22 11 16 00-0262	EA		1/2" x 12" Long, Schedule 40 Galvanized Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	17.74 3.52 -0.46 4.40	9.74
22 11 16 00-0263	EA		3/4" x 12" Long, Schedule 40 Galvanized Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	18.28 4.14 -0.54 4.40	9.74
22 11 16 00-0264	EA		1" x 12" Long, Schedule 40 Galvanized Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	20.70 5.61 -0.74 4.73	10.57
22 11 16 00-0265	EA		1-1/4" x 12" Long, Schedule 40 Galvanized Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	23.60 7.42 -0.98 5.13	11.38
22 11 16 00-0266	EA		1-1/2" x 12" Long, Schedule 40 Galvanized Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	24.03 7.91 -1.04 5.13	11.38
22 11 16 00-0267	EA		2" x 12" Long, Schedule 40 Galvanized Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	32.25 11.62 -1.53 6.62	14.67
22 11 16 00-0268	EA		2-1/2" x 12" Long, Schedule 40 Galvanized Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	43.93 18.90 -2.49 8.21	18.26
22 11 16 00-0269	EA		3" x 12" Long, Schedule 40 Galvanized Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	56.39 26.57 -3.50 9.92	22.05
22 11 16 00-0270	EA		4" x 12" Long, Schedule 40 Galvanized Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	66.26 32.68 -4.30 11.28	25.10
22 11 16 00-0271			Galvanized Malleable Iron Square Head Plugs (22 11 16 00-0013)		
22 11 16 00-0272	EA		1/2", 150 LB, Galvanized Malleable Iron Square Head Plug..... <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	14.01 11.06 3.29	7.28
22 11 16 00-0273	EA		3/4", 150 LB, Galvanized Malleable Iron Square Head Plug..... <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	15.30 11.14 3.67	8.20
22 11 16 00-0274	EA		1", 150 LB, Galvanized Malleable Iron Square Head Plug..... <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	17.02 12.21 4.10	9.13
22 11 16 00-0275	EA		1-1/4", 150 LB, Galvanized Malleable Iron Square Head Plug <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	20.64 18.47 4.64	10.35
22 11 16 00-0276	EA		1-1/2", 150 LB, Galvanized Malleable Iron Square Head Plug <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	24.39 24.64 5.24	11.59
22 11 16 00-0277	EA		2", 150 LB, Galvanized Malleable Iron Square Head Plug..... <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	31.01 31.35 6.65	14.77
22 11 16 00-0278	EA		2-1/2", 150 LB, Galvanized Malleable Iron Square Head Plug <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	50.04 60.52 9.85	21.85
22 11 16 00-0279	EA		3", 150 LB, Galvanized Malleable Iron Square Head Plug..... <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	67.62 85.65 12.96	28.82
22 11 16 00-0280	EA		4", 150 LB, Galvanized Malleable Iron Square Head Plug..... <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	94.59 175.11 13.16	29.23
22 11 16 00-0281	EA		5", 150 LB, Galvanized Malleable Iron Square Head Plug..... <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	138.84 319.18 13.73	30.54



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0282	EA	6"	150 LB, Galvanized Malleable Iron Square Head Plug <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	148.47 344.98 14.36	31.86
22 11 16 00-0283			Galvanized Malleable Iron Bushing (22 11 16 00-0013)		
22 11 16 00-0284	EA	3/4" x 1/2"	150 LB, Galvanized Malleable Iron Bushing <i>For Work In Restricted Working Space, Add</i>	33.12 8.69	19.28
22 11 16 00-0285	EA	1" x 1/2"	150 LB, Galvanized Malleable Iron Bushing <i>For Work In Restricted Working Space, Add</i>	35.73 9.23	20.51
22 11 16 00-0286	EA	1" x 3/4"	150 LB, Galvanized Malleable Iron Bushing <i>For Work In Restricted Working Space, Add</i>	37.10 9.72	21.64
22 11 16 00-0287	EA	1-1/4" x 1/2"	150 LB, Galvanized Malleable Iron Bushing <i>For Work In Restricted Working Space, Add</i>	39.96 9.91	22.05
22 11 16 00-0288	EA	1-1/4" x 3/4"	150 LB, Galvanized Malleable Iron Bushing <i>For Work In Restricted Working Space, Add</i>	40.96 10.40	23.08
22 11 16 00-0289	EA	1-1/4" x 1"	150 LB, Galvanized Malleable Iron Bushing <i>For Work In Restricted Working Space, Add</i>	42.75 10.93	24.31
22 11 16 00-0290	EA	1-1/2" x 1/2"	150 LB, Galvanized Malleable Iron Bushing <i>For Work In Restricted Working Space, Add</i>	44.68 10.65	23.69
22 11 16 00-0291	EA	1-1/2" x 3/4"	150 LB, Galvanized Malleable Iron Bushing <i>For Work In Restricted Working Space, Add</i>	46.31 11.14	24.72
22 11 16 00-0292	EA	1-1/2" x 1"	150 LB, Galvanized Malleable Iron Bushing <i>For Work In Restricted Working Space, Add</i>	47.19 11.67	25.95
22 11 16 00-0293	EA	1-1/2" x 1-1/4"	150 LB, Galvanized Malleable Iron Bushing <i>For Work In Restricted Working Space, Add</i>	48.81 12.35	27.48
22 11 16 00-0294	EA	2" x 1/2"	150 LB, Galvanized Malleable Iron Bushing <i>For Work In Restricted Working Space, Add</i>	52.86 12.42	27.59
22 11 16 00-0295	EA	2" x 3/4"	150 LB, Galvanized Malleable Iron Bushing <i>For Work In Restricted Working Space, Add</i>	53.69 12.91	28.72
22 11 16 00-0296	EA	2" x 1"	150 LB, Galvanized Malleable Iron Bushing <i>For Work In Restricted Working Space, Add</i>	54.89 13.44	29.85
22 11 16 00-0297	EA	2" x 1-1/4"	150 LB, Galvanized Malleable Iron Bushing <i>For Work In Restricted Working Space, Add</i>	57.15 14.12	31.39
22 11 16 00-0298	EA	2" x 1-1/2"	150 LB, Galvanized Malleable Iron Bushing <i>For Work In Restricted Working Space, Add</i>	58.38 14.86	33.02
22 11 16 00-0299	EA	2-1/2" x 3/4"	150 LB, Galvanized Malleable Iron Bushing <i>For Work In Restricted Working Space, Add</i>	72.92 16.90	37.54
22 11 16 00-0300	EA	2-1/2" x 1"	150 LB, Galvanized Malleable Iron Bushing <i>For Work In Restricted Working Space, Add</i>	74.71 17.44	38.76
22 11 16 00-0301	EA	2-1/2" x 1-1/4"	150 LB, Galvanized Malleable Iron Bushing <i>For Work In Restricted Working Space, Add</i>	76.96 18.11	40.20
22 11 16 00-0302	EA	2-1/2" x 1-1/2"	150 LB, Galvanized Malleable Iron Bushing <i>For Work In Restricted Working Space, Add</i>	79.13 18.86	41.95
22 11 16 00-0303	EA	2-1/2" x 2"	150 LB, Galvanized Malleable Iron Bushing <i>For Work In Restricted Working Space, Add</i>	83.17 20.63	45.84
22 11 16 00-0304	EA	3" x 3/4"	150 LB, Galvanized Malleable Iron Bushing <i>For Work In Restricted Working Space, Add</i>	91.19 20.79	46.15
22 11 16 00-0305	EA	3" x 1"	150 LB, Galvanized Malleable Iron Bushing <i>For Work In Restricted Working Space, Add</i>	92.96 21.32	47.38
22 11 16 00-0306	EA	3" x 1-1/4"	150 LB, Galvanized Malleable Iron Bushing <i>For Work In Restricted Working Space, Add</i>	95.23 22.00	48.92
22 11 16 00-0307	EA	3" x 1-1/2"	150 LB, Galvanized Malleable Iron Bushing <i>For Work In Restricted Working Space, Add</i>	97.26 22.74	50.57
22 11 16 00-0308	EA	3" x 2"	150 LB, Galvanized Malleable Iron Bushing <i>For Work In Restricted Working Space, Add</i>	101.16 24.51	54.46
22 11 16 00-0309	EA	3" x 2-1/2"	150 LB, Galvanized Malleable Iron Bushing <i>For Work In Restricted Working Space, Add</i>	115.59 28.50	63.38
22 11 16 00-0310	EA	4" x 3/4"	150 LB, Galvanized Malleable Iron Bushing <i>For Work In Restricted Working Space, Add</i>	114.73 20.66	45.86
22 11 16 00-0311	EA	4" x 1"	150 LB, Galvanized Malleable Iron Bushing <i>For Work In Restricted Working Space, Add</i>	116.37 21.15	46.99
22 11 16 00-0312	EA	4" x 1-1/4"	150 LB, Galvanized Malleable Iron Bushing <i>For Work In Restricted Working Space, Add</i>	118.43 21.77	48.40
22 11 16 00-0313	EA	4" x 1-1/2"	150 LB, Galvanized Malleable Iron Bushing <i>For Work In Restricted Working Space, Add</i>	120.70 22.45	49.91
22 11 16 00-0314	EA	4" x 2"	150 LB, Galvanized Malleable Iron Bushing <i>For Work In Restricted Working Space, Add</i>	120.71 24.07	53.47
22 11 16 00-0315	EA	4" x 2-1/2"	150 LB, Galvanized Malleable Iron Bushing <i>For Work In Restricted Working Space, Add</i>	138.29 27.72	61.65
22 11 16 00-0316	EA	4" x 3"	150 LB, Galvanized Malleable Iron Bushing <i>For Work In Restricted Working Space, Add</i>	147.15 31.29	69.55
22 11 16 00-0317			Galvanized Malleable Iron Floor Flange (22 11 16 00-0013)		
22 11 16 00-0318	EA	1/2"	150 LB, Galvanized Malleable Iron Floor Flange	62.51	37.48
22 11 16 00-0319	EA	3/4"	150 LB, Galvanized Malleable Iron Floor Flange	68.34	41.03
22 11 16 00-0320	EA	1"	150 LB, Galvanized Malleable Iron Floor Flange	78.37	46.35
22 11 16 00-0321	EA	1-1/4"	150 LB, Galvanized Malleable Iron Floor Flange	81.42	48.00
22 11 16 00-0322	EA	1-1/2"	150 LB, Galvanized Malleable Iron Floor Flange	88.60	52.21
22 11 16 00-0323	EA	2"	150 LB, Galvanized Malleable Iron Floor Flange	95.16	54.46



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0324				Galvanized Cast Iron Flanges <small>(22 11 16 00-0013)</small>		
			EA	3/4", 125 LB, Galvanized Cast Iron Flange.....	114.61	41.03
				<i>For Work In Restricted Working Space, Add</i>	18.46	
			EA	1", 125 LB, Galvanized Cast Iron Flange.....	110.63	46.35
				<i>For Work In Restricted Working Space, Add</i>	20.86	
			EA	1-1/4", 125 LB, Galvanized Cast Iron Flange.....	93.69	48.00
				<i>For Work In Restricted Working Space, Add</i>	21.59	
			EA	1-1/2", 125 LB, Galvanized Cast Iron Flange.....	126.56	52.21
				<i>For Work In Restricted Working Space, Add</i>	23.49	
			EA	2", 125 LB, Galvanized Cast Iron Flange.....	124.16	54.46
				<i>For Work In Restricted Working Space, Add</i>	24.51	
			EA	2-1/2", 125 LB, Galvanized Cast Iron Flange.....	144.17	63.07
				<i>For Work In Restricted Working Space, Add</i>	28.35	
			EA	3", 125 LB, Galvanized Cast Iron Flange.....	254.04	80.00
				<i>For Work In Restricted Working Space, Add</i>	35.98	
			EA	4", 125 LB, Galvanized Cast Iron Flange.....	232.53	100.28
				<i>For Work In Restricted Working Space, Add</i>	45.10	
			EA	5", 125 LB, Galvanized Cast Iron Flange.....	308.01	119.36
				<i>For Work In Restricted Working Space, Add</i>	53.69	
			EA	6", 125 LB, Galvanized Cast Iron Flange.....	343.51	137.12
				<i>For Work In Restricted Working Space, Add</i>	61.67	
22 11 16 00-0335				Cut And Thread Existing In-Place Galvanized Steel Pipe <small>(22 11 16 00-0013)</small>		
				Note: For use when connecting pipe to an existing in-place system.		
			EA	1/2", Cut And Thread Existing In Place Galvanized Steel Pipe.....	33.43	
				<i>For Work In Restricted Working Space, Add</i>	10.03	
			EA	3/4", Cut And Thread Existing In Place Galvanized Steel Pipe.....	36.77	
				<i>For Work In Restricted Working Space, Add</i>	11.03	
			EA	1", Cut And Thread Existing In Place Galvanized Steel Pipe.....	40.12	
				<i>For Work In Restricted Working Space, Add</i>	12.04	
			EA	1-1/4", Cut And Thread Existing In Place Galvanized Steel Pipe.....	43.46	
				<i>For Work In Restricted Working Space, Add</i>	13.04	
			EA	1-1/2", Cut And Thread Existing In Place Galvanized Steel Pipe.....	45.68	
				<i>For Work In Restricted Working Space, Add</i>	13.70	
			EA	2", Cut And Thread Existing In Place Galvanized Steel Pipe.....	47.92	
				<i>For Work In Restricted Working Space, Add</i>	14.38	
			EA	2-1/2", Cut And Thread Existing In Place Galvanized Steel Pipe.....	50.15	
				<i>For Work In Restricted Working Space, Add</i>	15.05	
			EA	3", Cut And Thread Existing In Place Galvanized Steel Pipe.....	52.38	
				<i>For Work In Restricted Working Space, Add</i>	15.71	
			EA	4", Cut And Thread Existing In Place Galvanized Steel Pipe.....	54.60	
				<i>For Work In Restricted Working Space, Add</i>	16.38	
22 11 16 00-0345				Copper Pipe And Fittings <small>(22 11 16)</small>		
				Note: Excludes hangers. See CSI section 22 11 16 00-0756 for pipe with fittings assembly.		
22 11 16 00-0346				Copper Tube/Pipe <small>(22 11 16 00-0345)</small>		
				Note: Pipe based on inside diameter size. Excludes hangers and fittings (couplers, tees, elbows, etc).		
22 11 16 00-0347				Hard Drawn Type L Copper Tube/Pipe <small>(22 11 16 00-0346)</small>		
			LF	1/4" Hard Drawn Type L Copper Tube/Pipe.....	4.59	2.50
				<i>For Medical/Oxygen Service Tubing, Add</i>	0.07	
				<i>For Work In Restricted Working Space, Add</i>	1.13	
			LF	3/8" Hard Drawn Type L Copper Tube/Pipe.....	5.18	2.60
				<i>For Medical/Oxygen Service Tubing, Add</i>	0.10	
				<i>For Work In Restricted Working Space, Add</i>	1.18	
			LF	1/2" Hard Drawn Type L Copper Tube/Pipe.....	5.63	2.72
				<i>For Medical/Oxygen Service Tubing, Add</i>	0.12	
				<i>For Work In Restricted Working Space, Add</i>	1.22	
			LF	3/4" Hard Drawn Type L Copper Tube/Pipe.....	6.71	2.88
				<i>For Medical/Oxygen Service Tubing, Add</i>	0.19	
				<i>For Work In Restricted Working Space, Add</i>	1.30	
			LF	1" Hard Drawn Type L Copper Tube/Pipe.....	8.28	3.25
				<i>For Medical/Oxygen Service Tubing, Add</i>	0.27	
				<i>For Work In Restricted Working Space, Add</i>	1.46	
			LF	1-1/4" Hard Drawn Type L Copper Tube/Pipe.....	12.02	4.82
				<i>For Medical/Oxygen Service Tubing, Add</i>	0.38	
				<i>For Work In Restricted Working Space, Add</i>	2.17	
			LF	1-1/2" Hard Drawn Type L Copper Tube/Pipe.....	14.82	5.39
				<i>For Medical/Oxygen Service Tubing, Add</i>	0.54	
				<i>For Work In Restricted Working Space, Add</i>	2.42	
			LF	2" Hard Drawn Type L Copper Tube/Pipe.....	24.01	6.64
				<i>For Medical/Oxygen Service Tubing, Add</i>	1.12	
				<i>For Work In Restricted Working Space, Add</i>	2.99	
			LF	2-1/2" Hard Drawn Type L Copper Tube/Pipe.....	44.30	8.29
				<i>For Medical/Oxygen Service Tubing, Add</i>	1.55	
				<i>For Work In Restricted Working Space, Add</i>	7.46	
			LF	3" Hard Drawn Type L Copper Tube/Pipe.....	51.74	9.20
				<i>For Medical/Oxygen Service Tubing, Add</i>	1.93	
				<i>For Work In Restricted Working Space, Add</i>	8.27	
			LF	4" Hard Drawn Type L Copper Tube/Pipe.....	69.80	10.37
				<i>For Medical/Oxygen Service Tubing, Add</i>	3.10	
				<i>For Work In Restricted Working Space, Add</i>	9.33	

22	Plumbing
22 10	Plumbing Piping
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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0359 LF 5" Hard Drawn Type L Copper Tube/Pipe.....	142.89	11.92
For Medical/Oxygen Service Tubing, Add	8.57	
For Work In Restricted Working Space, Add	10.73	
22 11 16 00-0360 LF 6" Hard Drawn Type L Copper Tube/Pipe.....	177.30	18.47
For Medical/Oxygen Service Tubing, Add	9.75	
For Work In Restricted Working Space, Add	16.61	
22 11 16 00-0361 LF 8" Hard Drawn Type L Copper Tube/Pipe.....	282.00	20.53
For Medical/Oxygen Service Tubing, Add	17.64	
For Work In Restricted Working Space, Add	18.47	
22 11 16 00-0362 Hard Drawn Type K Copper Tube/Pipe (22 11 16 00-0346)		
22 11 16 00-0363 LF 1/4" Hard Drawn Type K Copper Tube/Pipe.....	5.00	2.69
For Medical/Oxygen Service Tubing, Add	0.08	
For Work In Restricted Working Space, Add	1.21	
22 11 16 00-0364 LF 3/8" Hard Drawn Type K Copper Tube/Pipe.....	6.33	3.09
For Medical/Oxygen Service Tubing, Add	0.14	
For Work In Restricted Working Space, Add	1.39	
22 11 16 00-0365 LF 1/2" Hard Drawn Type K Copper Tube/Pipe.....	6.37	3.00
For Medical/Oxygen Service Tubing, Add	0.15	
For Work In Restricted Working Space, Add	1.35	
22 11 16 00-0366 LF 3/4" Hard Drawn Type K Copper Tube/Pipe.....	8.57	3.48
For Medical/Oxygen Service Tubing, Add	0.27	
For Work In Restricted Working Space, Add	1.57	
22 11 16 00-0367 LF 1" Hard Drawn Type K Copper Tube/Pipe.....	9.93	3.70
For Medical/Oxygen Service Tubing, Add	0.35	
For Work In Restricted Working Space, Add	1.67	
22 11 16 00-0368 LF 1-1/4" Hard Drawn Type K Copper Tube/Pipe.....	13.51	5.25
For Medical/Oxygen Service Tubing, Add	0.45	
For Work In Restricted Working Space, Add	2.36	
22 11 16 00-0369 LF 1-1/2" Hard Drawn Type K Copper Tube/Pipe.....	16.89	5.90
For Medical/Oxygen Service Tubing, Add	0.64	
For Work In Restricted Working Space, Add	2.65	
22 11 16 00-0370 LF 2" Hard Drawn Type K Copper Tube/Pipe.....	27.38	7.23
For Medical/Oxygen Service Tubing, Add	1.32	
For Work In Restricted Working Space, Add	3.25	
22 11 16 00-0371 LF 2-1/2" Hard Drawn Type K Copper Tube/Pipe.....	50.09	18.10
For Medical/Oxygen Service Tubing, Add	1.84	
For Work In Restricted Working Space, Add	8.14	
22 11 16 00-0372 LF 3" Hard Drawn Type K Copper Tube/Pipe.....	59.37	20.24
For Medical/Oxygen Service Tubing, Add	2.32	
For Work In Restricted Working Space, Add	9.11	
22 11 16 00-0373 LF 4" Hard Drawn Type K Copper Tube/Pipe.....	81.20	22.93
For Medical/Oxygen Service Tubing, Add	3.75	
For Work In Restricted Working Space, Add	10.31	
22 11 16 00-0374 LF 5" Hard Drawn Type K Copper Tube/Pipe.....	176.73	27.07
For Medical/Oxygen Service Tubing, Add	10.89	
For Work In Restricted Working Space, Add	12.17	
22 11 16 00-0375 LF 6" Hard Drawn Type K Copper Tube/Pipe.....	231.57	43.64
For Medical/Oxygen Service Tubing, Add	13.29	
For Work In Restricted Working Space, Add	19.63	
22 11 16 00-0376 LF 8" Hard Drawn Type K Copper Tube/Pipe.....	367.94	48.08
For Medical/Oxygen Service Tubing, Add	23.67	
For Work In Restricted Working Space, Add	21.63	
22 11 16 00-0377 Hard Drawn Type M Copper Tube/Pipe (22 11 16 00-0346)		
22 11 16 00-0378 LF 1/4" Hard Drawn Type M Copper Tube/Pipe.....	3.97	2.16
For Work In Restricted Working Space, Add	0.97	
22 11 16 00-0379 LF 3/8" Hard Drawn Type M Copper Tube/Pipe.....	4.05	2.08
For Work In Restricted Working Space, Add	0.94	
22 11 16 00-0380 LF 1/2" Hard Drawn Type M Copper Tube/Pipe.....	4.34	2.15
For Work In Restricted Working Space, Add	0.97	
22 11 16 00-0381 LF 3/4" Hard Drawn Type M Copper Tube/Pipe.....	5.15	2.28
For Work In Restricted Working Space, Add	1.03	
22 11 16 00-0382 LF 1" Hard Drawn Type M Copper Tube/Pipe.....	6.26	2.55
For Work In Restricted Working Space, Add	1.15	
22 11 16 00-0383 LF 1-1/4" Hard Drawn Type M Copper Tube/Pipe.....	9.59	3.93
For Work In Restricted Working Space, Add	1.77	
22 11 16 00-0384 LF 1-1/2" Hard Drawn Type M Copper Tube/Pipe.....	12.34	4.51
For Work In Restricted Working Space, Add	2.03	
22 11 16 00-0385 LF 2" Hard Drawn Type M Copper Tube/Pipe.....	20.13	5.60
For Work In Restricted Working Space, Add	2.52	
22 11 16 00-0386 LF 2-1/2" Hard Drawn Type M Copper Tube/Pipe.....	38.53	15.09
For Work In Restricted Working Space, Add	6.79	
22 11 16 00-0387 LF 3" Hard Drawn Type M Copper Tube/Pipe.....	44.32	16.60
For Work In Restricted Working Space, Add	7.46	
22 11 16 00-0388 LF 4" Hard Drawn Type M Copper Tube/Pipe.....	62.54	19.36
For Work In Restricted Working Space, Add	8.71	
22 11 16 00-0389 LF 5" Hard Drawn Type M Copper Tube/Pipe.....	127.29	22.36
For Work In Restricted Working Space, Add	10.06	
22 11 16 00-0390 LF 6" Hard Drawn Type M Copper Tube/Pipe.....	158.53	34.62
For Work In Restricted Working Space, Add	15.57	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	22 11 16 00-0391	LF		8" Hard Drawn Type M Copper Tube/Pipe <i>For Work In Restricted Working Space, Add</i>	245.57 17.13	38.09
	22 11 16 00-0392			Soft Drawn Type L Copper Tube <small>(22 11 16 00-0346)</small>		
	22 11 16 00-0393	LF		1/4" Soft Drawn Type L Copper Tube <i>For Work In Restricted Working Space, Add</i>	4.65 1.13	0.28
	22 11 16 00-0394	LF		3/8" Soft Drawn Type L Copper Tube <i>For Work In Restricted Working Space, Add</i>	5.32 1.18	2.60
	22 11 16 00-0395	LF		1/2" Soft Drawn Type L Copper Tube <i>For Work In Restricted Working Space, Add</i>	5.90 1.22	2.72
	22 11 16 00-0396	LF		5/8" Soft Drawn Type L Copper Tube <i>For Work In Restricted Working Space, Add</i>	6.63 1.26	2.80
	22 11 16 00-0397	LF		3/4" Soft Drawn Type L Copper Tube <i>For Work In Restricted Working Space, Add</i>	7.12 1.30	2.88
	22 11 16 00-0398	LF		1" Soft Drawn Type L Copper Tube <i>For Work In Restricted Working Space, Add</i>	8.86 1.46	3.25
	22 11 16 00-0399	LF		1-1/4" Soft Drawn Type L Copper Tube <i>For Work In Restricted Working Space, Add</i>	13.29 2.17	4.82
	22 11 16 00-0400	LF		1-1/2" Soft Drawn Type L Copper Tube <i>For Work In Restricted Working Space, Add</i>	15.84 2.42	5.39
	22 11 16 00-0401	LF		2" Soft Drawn Type L Copper Tube <i>For Work In Restricted Working Space, Add</i>	22.66 2.99	6.64
	22 11 16 00-0402			Soft Drawn Type K Copper Tube <small>(22 11 16 00-0346)</small>		
	22 11 16 00-0403	LF		1/4" Soft Drawn Type K Copper Tube <i>For Work In Restricted Working Space, Add</i>	4.82 1.13	0.28
	22 11 16 00-0404	LF		3/8" Soft Drawn Type K Copper Tube <i>For Work In Restricted Working Space, Add</i>	5.85 1.18	2.60
	22 11 16 00-0405	LF		1/2" Soft Drawn Type K Copper Tube <i>For Work In Restricted Working Space, Add</i>	6.24 1.22	2.72
	22 11 16 00-0406	LF		5/8" Soft Drawn Type K Copper Tube <i>For Work In Restricted Working Space, Add</i>	6.97 1.26	2.80
	22 11 16 00-0407	LF		3/4" Soft Drawn Type K Copper Tube <i>For Work In Restricted Working Space, Add</i>	8.14 1.30	2.88
	22 11 16 00-0408	LF		1" Soft Drawn Type K Copper Tube <i>For Work In Restricted Working Space, Add</i>	9.95 1.46	3.25
	22 11 16 00-0409	LF		1-1/4" Soft Drawn Type K Copper Tube <i>For Work In Restricted Working Space, Add</i>	14.10 2.17	4.82
	22 11 16 00-0410	LF		1-1/2" Soft Drawn Type K Copper Tube <i>For Work In Restricted Working Space, Add</i>	17.09 2.42	5.39
	22 11 16 00-0411	LF		2" Soft Drawn Type K Copper Tube <i>For Work In Restricted Working Space, Add</i>	24.31 2.99	6.64
	22 11 16 00-0412	LF		2-1/2" Soft Drawn Type K Copper Tube <i>For Work In Restricted Working Space, Add</i>	29.18 3.58	7.97
	22 11 16 00-0413	LF		3" Soft Drawn Type K Copper Tube <i>For Work In Restricted Working Space, Add</i>	38.19 4.23	9.40
	22 11 16 00-0414			Copper And Brass Fittings <small>(22 11 16 00-0346)</small> Note: All fittings are based on 95/5 solder.		
	22 11 16 00-0415			90 Degree Copper Elbows <small>(22 11 16 00-0414)</small>		
	22 11 16 00-0416	EA		1/4" 90 Degree Copper Elbow <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Street Fitting, Add</i> <i>For Work In Restricted Working Space, Add</i>	23.39 3.40 -2.28 3.34 0.44 6.69	14.86
	22 11 16 00-0417	EA		3/8" 90 Degree Copper Elbow <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Street Fitting, Add</i> <i>For Work In Restricted Working Space, Add</i>	27.91 4.07 -2.73 4.01 0.47 8.02	17.83
	22 11 16 00-0418	EA		1/2" 90 Degree Copper Elbow <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Street Fitting, Add</i> <i>For Work In Restricted Working Space, Add</i>	37.15 5.53 -3.70 5.52 0.15 11.03	24.51
	22 11 16 00-0419	EA		3/4" 90 Degree Copper Elbow <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Street Fitting, Add</i> <i>For Work In Restricted Working Space, Add</i>	46.53 6.89 -4.61 6.85 0.34 13.70	30.53
	22 11 16 00-0420	EA		1" 90 Degree Copper Elbow <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Street Fitting, Add</i> <i>For Work In Restricted Working Space, Add</i>	56.68 8.29 -5.56 8.19 0.83 16.38	36.44

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22 10	Plumbing Piping
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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0421 EA 1-1/4" 90 Degree Copper Elbow	62.17	39.44
For Silver Solder Instead Of 95/5 Solder, Add	9.01	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-6.06	
For Brazed Fittings Instead Of 95/5 Solder, Add	8.86	
For Street Fitting, Add	1.24	
For Work In Restricted Working Space, Add	17.72	
22 11 16 00-0422 EA 1-1/2" 90 Degree Copper Elbow	69.49	43.12
For Silver Solder Instead Of 95/5 Solder, Add	9.94	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-6.71	
For Brazed Fittings Instead Of 95/5 Solder, Add	9.69	
For Street Fitting, Add	1.94	
For Work In Restricted Working Space, Add	19.39	
22 11 16 00-0423 EA 2" 90 Degree Copper Elbow	81.30	48.36
For Silver Solder Instead Of 95/5 Solder, Add	11.31	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-7.69	
For Brazed Fittings Instead Of 95/5 Solder, Add	10.87	
For Street Fitting, Add	3.54	
For Work In Restricted Working Space, Add	21.73	
22 11 16 00-0424 EA 2-1/2" 90 Degree Copper Elbow	91.23	49.23
For Silver Solder Instead Of 95/5 Solder, Add	11.95	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-8.25	
For Brazed Fittings Instead Of 95/5 Solder, Add	11.08	
For Work In Restricted Working Space, Add	22.16	
22 11 16 00-0425 EA 3" 90 Degree Copper Elbow	112.71	58.87
For Silver Solder Instead Of 95/5 Solder, Add	14.46	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-10.05	
For Brazed Fittings Instead Of 95/5 Solder, Add	13.23	
For Work In Restricted Working Space, Add	26.46	
22 11 16 00-0426 EA 4" 90 Degree Copper Elbow	184.59	83.49
For Silver Solder Instead Of 95/5 Solder, Add	21.74	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-15.49	
For Brazed Fittings Instead Of 95/5 Solder, Add	18.77	
For Work In Restricted Working Space, Add	37.54	
22 11 16 00-0427 EA 5" 90 Degree Copper Elbow	420.38	114.25
For Silver Solder Instead Of 95/5 Solder, Add	38.15	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-29.58	
For Brazed Fittings Instead Of 95/5 Solder, Add	25.69	
For Work In Restricted Working Space, Add	51.38	
22 11 16 00-0428 EA 6" 90 Degree Copper Elbow	581.29	166.26
For Silver Solder Instead Of 95/5 Solder, Add	53.99	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-41.53	
For Brazed Fittings Instead Of 95/5 Solder, Add	37.38	
For Work In Restricted Working Space, Add	74.77	
22 11 16 00-0429 EA 8" 90 Degree Copper Elbow	1,560.80	221.64
For Silver Solder Instead Of 95/5 Solder, Add	111.27	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-94.66	
For Brazed Fittings Instead Of 95/5 Solder, Add	49.85	
For Work In Restricted Working Space, Add	99.69	
22 11 16 00-0430 90 Degree Brass Elbows (22 11 16 00-0414)		
22 11 16 00-0431 EA 1/2" Drop Ear 90 Degree Brass Elbow	39.14	24.51
For Silver Solder Instead Of 95/5 Solder, Add	5.63	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-3.80	
For Brazed Fittings Instead Of 95/5 Solder, Add	5.52	
For Work In Restricted Working Space, Add	11.03	
22 11 16 00-0432 EA 3/4" Drop Ear 90 Degree Brass Elbow	52.60	30.53
For Silver Solder Instead Of 95/5 Solder, Add	7.20	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-4.91	
For Brazed Fittings Instead Of 95/5 Solder, Add	6.85	
For Work In Restricted Working Space, Add	13.70	
22 11 16 00-0433 EA 1/2" Flanged Sink 90 Degree Brass Elbow	41.10	24.51
For Silver Solder Instead Of 95/5 Solder, Add	5.73	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-3.89	
For Brazed Fittings Instead Of 95/5 Solder, Add	5.52	
For Work In Restricted Working Space, Add	11.03	
22 11 16 00-0434 EA 3/8" Drop Ear 90 Degree Brass Elbow, Solder X Threaded.....	30.29	17.83
For Silver Solder Instead Of 95/5 Solder, Add	4.19	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-2.85	
For Brazed Fittings Instead Of 95/5 Solder, Add	4.01	
For Work In Restricted Working Space, Add	8.02	
22 11 16 00-0435 EA 1/2" Drop Ear 90 Degree Brass Elbow, Solder X Threaded.....	39.31	24.51
For Silver Solder Instead Of 95/5 Solder, Add	5.64	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-3.80	
For Brazed Fittings Instead Of 95/5 Solder, Add	5.52	
For Work In Restricted Working Space, Add	11.03	
22 11 16 00-0436 EA 3/4" Drop Ear 90 Degree Brass Elbow, Solder X Threaded.....	50.15	30.53
For Silver Solder Instead Of 95/5 Solder, Add	7.08	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-4.79	
For Brazed Fittings Instead Of 95/5 Solder, Add	6.85	
For Work In Restricted Working Space, Add	13.70	
22 11 16 00-0437 EA 1" Drop Ear 90 Degree Brass Elbow, Solder X Threaded.....	68.88	36.44
For Silver Solder Instead Of 95/5 Solder, Add	8.90	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-6.17	
For Brazed Fittings Instead Of 95/5 Solder, Add	8.19	
For Work In Restricted Working Space, Add	16.38	



	MINOR CSI UOM DESCRIPTION		TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0438 Reducing 90 Degree Copper Elbows <small>(22 11 16 00-0414)</small>				
22 11 16 00-0439	EA 1/2" Reducing 90 Degree Copper Elbow	.....	39.84	24.51
	<i>For Silver Solder Instead Of 95/5 Solder, Add</i>		5.67	
	<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>		-3.83	
	<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>		5.52	
	<i>For Work In Restricted Working Space, Add</i>		11.03	
22 11 16 00-0440	EA 3/4" Reducing 90 Degree Copper Elbow	.....	47.85	30.53
	<i>For Silver Solder Instead Of 95/5 Solder, Add</i>		6.96	
	<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>		-4.68	
	<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>		6.85	
	<i>For Work In Restricted Working Space, Add</i>		13.70	
22 11 16 00-0441	EA 1" Reducing 90 Degree Copper Elbow	.....	58.59	36.44
	<i>For Silver Solder Instead Of 95/5 Solder, Add</i>		8.39	
	<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>		-5.66	
	<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>		8.19	
	<i>For Work In Restricted Working Space, Add</i>		16.38	
22 11 16 00-0442	EA 1-1/4" Reducing 90 Degree Copper Elbow	.....	69.22	39.44
	<i>For Silver Solder Instead Of 95/5 Solder, Add</i>		9.37	
	<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>		-6.41	
	<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>		8.86	
	<i>For Work In Restricted Working Space, Add</i>		17.72	
22 11 16 00-0443	EA 1-1/2" Reducing 90 Degree Copper Elbow	.....	77.99	43.12
	<i>For Silver Solder Instead Of 95/5 Solder, Add</i>		10.36	
	<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>		-7.13	
	<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>		9.69	
	<i>For Work In Restricted Working Space, Add</i>		19.39	
22 11 16 00-0444	EA 2" Reducing 90 Degree Copper Elbow	.....	90.42	48.36
	<i>For Silver Solder Instead Of 95/5 Solder, Add</i>		11.77	
	<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>		-8.14	
	<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>		10.87	
	<i>For Work In Restricted Working Space, Add</i>		21.73	
22 11 16 00-0445 45 Degree Copper Elbows <small>(22 11 16 00-0414)</small>				
22 11 16 00-0446	EA 1/4" 45 Degree Copper Elbow	.....	24.35	14.86
	<i>For Silver Solder Instead Of 95/5 Solder, Add</i>		3.45	
	<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>		-2.33	
	<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>		3.34	
	<i>For Street Fitting, Add</i>		0.82	
	<i>For Work In Restricted Working Space, Add</i>		6.69	
22 11 16 00-0447	EA 3/8" 45 Degree Copper Elbow	.....	28.50	17.83
	<i>For Silver Solder Instead Of 95/5 Solder, Add</i>		4.10	
	<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>		-2.76	
	<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>		4.01	
	<i>For Street Fitting, Add</i>		0.70	
	<i>For Work In Restricted Working Space, Add</i>		8.02	
22 11 16 00-0448	EA 1/2" 45 Degree Copper Elbow	.....	37.46	24.51
	<i>For Silver Solder Instead Of 95/5 Solder, Add</i>		5.55	
	<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>		-3.71	
	<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>		5.52	
	<i>For Street Fitting, Add</i>		0.28	
	<i>For Work In Restricted Working Space, Add</i>		11.03	
22 11 16 00-0449	EA 3/4" 45 Degree Copper Elbow	.....	46.87	30.53
	<i>For Silver Solder Instead Of 95/5 Solder, Add</i>		6.91	
	<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>		-4.63	
	<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>		6.85	
	<i>For Street Fitting, Add</i>		0.48	
	<i>For Work In Restricted Working Space, Add</i>		13.70	
22 11 16 00-0450	EA 1" 45 Degree Copper Elbow	.....	57.56	36.44
	<i>For Silver Solder Instead Of 95/5 Solder, Add</i>		8.34	
	<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>		-5.61	
	<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>		8.19	
	<i>For Street Fitting, Add</i>		1.18	
	<i>For Work In Restricted Working Space, Add</i>		16.38	
22 11 16 00-0451	EA 1-1/4" 45 Degree Copper Elbow	.....	63.07	39.44
	<i>For Silver Solder Instead Of 95/5 Solder, Add</i>		9.06	
	<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>		-6.11	
	<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>		8.86	
	<i>For Street Fitting, Add</i>		1.60	
	<i>For Work In Restricted Working Space, Add</i>		17.72	
22 11 16 00-0452	EA 1-1/2" 45 Degree Copper Elbow	.....	69.55	43.12
	<i>For Silver Solder Instead Of 95/5 Solder, Add</i>		9.94	
	<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>		-6.71	
	<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>		9.69	
	<i>For Street Fitting, Add</i>		1.97	
	<i>For Work In Restricted Working Space, Add</i>		19.39	
22 11 16 00-0453	EA 2" 45 Degree Copper Elbow	.....	80.65	48.36
	<i>For Silver Solder Instead Of 95/5 Solder, Add</i>		11.28	
	<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>		-7.65	
	<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>		10.87	
	<i>For Work In Restricted Working Space, Add</i>		21.73	

22	Plumbing
22 10	Plumbing Piping
22 11	Facility Water Distribution



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0454 EA 2-1/2" 45 Degree Copper Elbow	91.02	49.23
For Silver Solder Instead Of 95/5 Solder, Add	11.94	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-8.24	
For Brazed Fittings Instead Of 95/5 Solder, Add	11.08	
For Work In Restricted Working Space, Add	22.16	
22 11 16 00-0455 EA 3" 45 Degree Copper Elbow	113.67	58.87
For Silver Solder Instead Of 95/5 Solder, Add	14.50	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-10.09	
For Brazed Fittings Instead Of 95/5 Solder, Add	13.23	
For Work In Restricted Working Space, Add	26.46	
22 11 16 00-0456 EA 4" 45 Degree Copper Elbow	179.45	83.49
For Silver Solder Instead Of 95/5 Solder, Add	21.49	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-15.23	
For Brazed Fittings Instead Of 95/5 Solder, Add	18.77	
For Work In Restricted Working Space, Add	37.54	
22 11 16 00-0457 EA 5" 45 Degree Copper Elbow	381.64	114.25
For Silver Solder Instead Of 95/5 Solder, Add	36.21	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-27.65	
For Brazed Fittings Instead Of 95/5 Solder, Add	25.69	
For Work In Restricted Working Space, Add	51.38	
22 11 16 00-0458 EA 6" 45 Degree Copper Elbow	580.73	166.26
For Silver Solder Instead Of 95/5 Solder, Add	53.96	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-41.50	
For Brazed Fittings Instead Of 95/5 Solder, Add	37.38	
For Work In Restricted Working Space, Add	74.77	
22 11 16 00-0459 EA 8" 45 Degree Copper Elbow	1,458.74	221.64
For Silver Solder Instead Of 95/5 Solder, Add	106.17	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-89.55	
For Brazed Fittings Instead Of 95/5 Solder, Add	49.85	
For Work In Restricted Working Space, Add	99.69	
22 11 16 00-0460 Straight Copper And Brass Tees (22 11 16 00-0414)		
22 11 16 00-0461 EA 1/4" Straight Copper Tee	35.74	22.29
For Silver Solder Instead Of 95/5 Solder, Add	5.13	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-3.46	
For Brazed Fittings Instead Of 95/5 Solder, Add	5.01	
For Work In Restricted Working Space, Add	10.03	
22 11 16 00-0462 EA 3/8" Straight Copper Tee	41.98	26.74
For Silver Solder Instead Of 95/5 Solder, Add	6.11	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-4.11	
For Brazed Fittings Instead Of 95/5 Solder, Add	6.02	
For Work In Restricted Working Space, Add	12.04	
22 11 16 00-0463 EA 1/2" Straight Copper Tee	56.36	37.22
For Silver Solder Instead Of 95/5 Solder, Add	8.39	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-5.60	
For Brazed Fittings Instead Of 95/5 Solder, Add	8.36	
For Work In Restricted Working Space, Add	16.71	
22 11 16 00-0464 EA 3/4" Straight Copper Tee	70.64	46.14
For Silver Solder Instead Of 95/5 Solder, Add	10.44	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-6.99	
For Brazed Fittings Instead Of 95/5 Solder, Add	10.36	
For Work In Restricted Working Space, Add	20.73	
22 11 16 00-0465 EA 1" Straight Copper Tee	87.13	55.05
For Silver Solder Instead Of 95/5 Solder, Add	12.60	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-8.48	
For Brazed Fittings Instead Of 95/5 Solder, Add	12.37	
For Work In Restricted Working Space, Add	24.74	
22 11 16 00-0466 EA 1-1/4" Straight Copper Tee	95.66	59.50
For Silver Solder Instead Of 95/5 Solder, Add	13.70	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-9.24	
For Brazed Fittings Instead Of 95/5 Solder, Add	13.37	
For Work In Restricted Working Space, Add	26.75	
22 11 16 00-0467 EA 1-1/2" Straight Copper Tee	106.80	64.63
For Silver Solder Instead Of 95/5 Solder, Add	15.04	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-10.19	
For Brazed Fittings Instead Of 95/5 Solder, Add	14.54	
For Work In Restricted Working Space, Add	29.09	
22 11 16 00-0468 EA 2" Straight Copper Tee	124.87	72.88
For Silver Solder Instead Of 95/5 Solder, Add	17.16	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-11.70	
For Brazed Fittings Instead Of 95/5 Solder, Add	16.38	
For Work In Restricted Working Space, Add	32.76	
22 11 16 00-0469 EA 2-1/2" Straight Copper Tee	141.74	73.85
For Silver Solder Instead Of 95/5 Solder, Add	18.16	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-12.63	
For Brazed Fittings Instead Of 95/5 Solder, Add	16.61	
For Work In Restricted Working Space, Add	33.23	
22 11 16 00-0470 EA 3" Straight Copper Tee	180.65	88.92
For Silver Solder Instead Of 95/5 Solder, Add	22.37	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-15.70	
For Brazed Fittings Instead Of 95/5 Solder, Add	20.00	
For Work In Restricted Working Space, Add	40.00	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0471	EA		4" Straight Copper Tee <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	301.19 33.73 -24.39 28.00 56.00	124.51
22 11 16 00-0472	EA		5" Straight Copper Tee <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	629.79 57.03 -44.26 38.31 76.61	170.36
22 11 16 00-0473	EA		6" Straight Copper Tee <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	886.16 81.74 -63.03 56.15 112.31	249.74
22 11 16 00-0474	EA		8" Straight Copper Tee <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	2,472.75 173.48 -148.56 74.77 149.54	332.51
22 11 16 00-0475	EA		1/2" Cast Bronze Drop Ear Tee <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	59.71 8.56 -5.77 8.36 16.71	37.22
22 11 16 00-0476			Reducing Copper Tees (22 11 16 00-0414)		
22 11 16 00-0477	EA		3/8" Reducing Copper Tee <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	39.34 5.53 -3.75 5.35 10.70	23.74
22 11 16 00-0478	EA		1/2" Reducing Copper Tee <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	53.38 7.68 -5.18 7.52 15.05	33.43
22 11 16 00-0479	EA		3/4" Reducing Copper Tee <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	66.28 9.78 -6.55 9.69 19.39	43.12
22 11 16 00-0480	EA		1" Reducing Copper Tee <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	83.24 11.96 -8.06 11.70 23.40	52.04
22 11 16 00-0481	EA		1-1/4" Reducing Copper Tee <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	92.64 13.10 -8.87 12.70 25.41	56.50
22 11 16 00-0482	EA		1-1/2" Reducing Copper Tee <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	103.73 14.44 -9.81 13.87 27.75	61.73
22 11 16 00-0483	EA		2" Reducing Copper Tee <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	119.87 16.36 -11.18 15.54 31.09	69.09
22 11 16 00-0484	EA		2-1/2" Reducing Copper Tee <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	140.59 17.70 -12.36 16.00 32.00	71.18
22 11 16 00-0485	EA		3" Reducing Copper Tee <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	178.80 21.25 -15.09 18.46 36.92	82.05
22 11 16 00-0486	EA		4" Reducing Copper Tee <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	269.10 28.63 -21.04 22.77 45.54	101.23
22 11 16 00-0487			Copper Couplings (22 11 16 00-0414)		
22 11 16 00-0488	EA		1/4" Copper Coupling <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	22.51 3.35 -2.24 3.34 6.69	14.86

22	Plumbing
22 10	Plumbing Piping
22 11	Facility Water Distribution



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0489 EA 3/8" Copper Coupling.....	27.03	17.83
For Silver Solder Instead Of 95/5 Solder, Add	4.03	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-2.69	
For Brazed Fittings Instead Of 95/5 Solder, Add	4.01	
For Work In Restricted Working Space, Add	8.02	
22 11 16 00-0490 EA 1/2" Copper Coupling.....	37.01	24.51
For Silver Solder Instead Of 95/5 Solder, Add	5.53	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-3.69	
For Brazed Fittings Instead Of 95/5 Solder, Add	5.52	
For Work In Restricted Working Space, Add	11.03	
22 11 16 00-0491 EA 3/4" Copper Coupling.....	46.17	30.53
For Silver Solder Instead Of 95/5 Solder, Add	6.88	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-4.59	
For Brazed Fittings Instead Of 95/5 Solder, Add	6.85	
For Work In Restricted Working Space, Add	13.70	
22 11 16 00-0492 EA 1" Copper Coupling.....	55.58	36.44
For Silver Solder Instead Of 95/5 Solder, Add	8.24	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-5.51	
For Brazed Fittings Instead Of 95/5 Solder, Add	8.19	
For Work In Restricted Working Space, Add	16.38	
22 11 16 00-0493 EA 1-1/4" Copper Coupling.....	60.78	39.44
For Silver Solder Instead Of 95/5 Solder, Add	8.95	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-5.99	
For Brazed Fittings Instead Of 95/5 Solder, Add	8.86	
For Work In Restricted Working Space, Add	17.72	
22 11 16 00-0494 EA 1-1/2" Copper Coupling.....	66.91	43.12
For Silver Solder Instead Of 95/5 Solder, Add	9.81	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-6.58	
For Brazed Fittings Instead Of 95/5 Solder, Add	9.69	
For Work In Restricted Working Space, Add	19.39	
22 11 16 00-0495 EA 2" Copper Coupling.....	76.23	47.92
For Silver Solder Instead Of 95/5 Solder, Add	11.06	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-7.43	
For Brazed Fittings Instead Of 95/5 Solder, Add	10.87	
For Work In Restricted Working Space, Add	21.73	
22 11 16 00-0496 EA 2-1/2" Copper Coupling.....	77.54	46.57
For Silver Solder Instead Of 95/5 Solder, Add	10.85	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-7.36	
For Brazed Fittings Instead Of 95/5 Solder, Add	10.46	
For Work In Restricted Working Space, Add	20.93	
22 11 16 00-0497 EA 3" Copper Coupling.....	94.70	56.41
For Silver Solder Instead Of 95/5 Solder, Add	13.15	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-8.94	
For Brazed Fittings Instead Of 95/5 Solder, Add	12.62	
For Work In Restricted Working Space, Add	25.23	
22 11 16 00-0498 EA 4" Copper Coupling.....	136.17	75.90
For Silver Solder Instead Of 95/5 Solder, Add	18.09	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-12.45	
For Brazed Fittings Instead Of 95/5 Solder, Add	16.92	
For Work In Restricted Working Space, Add	33.84	
22 11 16 00-0499 EA 5" Copper Coupling.....	202.53	138.46
For Silver Solder Instead Of 95/5 Solder, Add	25.51	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-17.82	
For Brazed Fittings Instead Of 95/5 Solder, Add	23.08	
For Work In Restricted Working Space, Add	46.15	
22 11 16 00-0500 EA 6" Copper Coupling.....	306.10	150.46
For Silver Solder Instead Of 95/5 Solder, Add	37.87	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-26.59	
For Brazed Fittings Instead Of 95/5 Solder, Add	33.85	
For Work In Restricted Working Space, Add	67.69	
22 11 16 00-0501 EA 8" Copper Coupling.....	560.30	199.48
For Silver Solder Instead Of 95/5 Solder, Add	57.96	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-42.99	
For Brazed Fittings Instead Of 95/5 Solder, Add	44.92	
For Work In Restricted Working Space, Add	89.84	
22 11 16 00-0502 Reducing Copper Couplings (22 11 16 00-0414)		
22 11 16 00-0503 EA 3/8" Reducing Copper Coupling.....	22.77	14.82
For Silver Solder Instead Of 95/5 Solder, Add	3.37	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-2.25	
For Brazed Fittings Instead Of 95/5 Solder, Add	3.34	
For Work In Restricted Working Space, Add	6.69	
22 11 16 00-0504 EA 1/2" Reducing Copper Coupling.....	32.26	21.17
For Silver Solder Instead Of 95/5 Solder, Add	4.79	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-3.20	
For Brazed Fittings Instead Of 95/5 Solder, Add	4.76	
For Work In Restricted Working Space, Add	9.53	
22 11 16 00-0505 EA 3/4" Reducing Copper Coupling.....	42.10	27.53
For Silver Solder Instead Of 95/5 Solder, Add	6.23	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-4.17	
For Brazed Fittings Instead Of 95/5 Solder, Add	6.18	
For Work In Restricted Working Space, Add	12.37	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0506	EA		1" Reducing Copper Coupling	51.73	33.43
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	7.60	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-5.09	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	7.52	
			<i>For Work In Restricted Working Space, Add</i>	15.05	
22 11 16 00-0507	EA		1-1/4" Reducing Copper Coupling	59.02	37.89
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	8.63	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-5.79	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	8.52	
			<i>For Work In Restricted Working Space, Add</i>	17.05	
22 11 16 00-0508	EA		1-1/2" Reducing Copper Coupling	65.47	41.23
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	9.46	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-6.37	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	9.28	
			<i>For Work In Restricted Working Space, Add</i>	18.55	
22 11 16 00-0509	EA		2" Reducing Copper Coupling	74.15	45.68
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	10.56	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-7.13	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	10.28	
			<i>For Work In Restricted Working Space, Add</i>	20.56	
22 11 16 00-0510	EA		2-1/2" Reducing Copper Coupling	81.82	46.87
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	11.12	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-7.60	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	10.54	
			<i>For Work In Restricted Working Space, Add</i>	21.08	
22 11 16 00-0511	EA		3" Reducing Copper Coupling	95.32	54.36
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	12.87	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-8.82	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	12.15	
			<i>For Work In Restricted Working Space, Add</i>	24.31	
22 11 16 00-0512	EA		4" Reducing Copper Coupling	135.03	71.18
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	17.42	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-12.08	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	16.00	
			<i>For Work In Restricted Working Space, Add</i>	32.00	
22 11 16 00-0513	EA		5" Reducing Copper Coupling	259.65	99.18
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	27.85	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-20.42	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	22.31	
			<i>For Work In Restricted Working Space, Add</i>	44.61	
22 11 16 00-0514	EA		6" Reducing Copper Coupling	371.79	133.33
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	38.59	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-28.59	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	30.00	
			<i>For Work In Restricted Working Space, Add</i>	60.00	
22 11 16 00-0515	EA		8" Reducing Copper Coupling	655.47	194.28
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	61.90	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-47.34	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	43.69	
			<i>For Work In Restricted Working Space, Add</i>	87.38	
22 11 16 00-0516			Male Copper Adapters (22 11 16 00-0414)		
22 11 16 00-0517	EA		1/4" Male Copper Adapter	26.19	14.49
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	3.54	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-2.42	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	3.34	
			<i>For Work In Restricted Working Space, Add</i>	6.69	
22 11 16 00-0518	EA		3/8" Male Copper Adapter	28.68	17.83
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	4.11	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-2.77	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	4.01	
			<i>For Work In Restricted Working Space, Add</i>	8.02	
22 11 16 00-0519	EA		1/2" Male Copper Adapter	34.22	22.29
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	5.05	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-3.38	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	5.01	
			<i>For Work In Restricted Working Space, Add</i>	10.03	
22 11 16 00-0520	EA		3/4" Male Copper Adapter	42.56	27.86
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	6.25	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-4.19	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	6.18	
			<i>For Work In Restricted Working Space, Add</i>	12.37	
22 11 16 00-0521	EA		1" Male Copper Adapter	51.31	32.32
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	7.36	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-4.96	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	7.19	
			<i>For Work In Restricted Working Space, Add</i>	14.38	
22 11 16 00-0522	EA		1-1/4" Male Copper Adapter	60.65	36.77
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	8.60	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-5.82	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	8.36	
			<i>For Work In Restricted Working Space, Add</i>	16.71	

22	Plumbing
22 10	Plumbing Piping
22 11	Facility Water Distribution



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0523 EA 1-1/2" Male Copper Adapter	69.29	42.35
For Silver Solder Instead Of 95/5 Solder, Add	9.82	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-6.64	
For Brazed Fittings Instead Of 95/5 Solder, Add	9.53	
For Work In Restricted Working Space, Add	19.05	
22 11 16 00-0524 EA 2" Male Copper Adapter.....	91.13	54.05
For Silver Solder Instead Of 95/5 Solder, Add	12.69	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-8.62	
For Brazed Fittings Instead Of 95/5 Solder, Add	12.20	
For Work In Restricted Working Space, Add	24.41	
22 11 16 00-0525 EA 2-1/2" Male Copper Adapter	135.84	70.21
For Silver Solder Instead Of 95/5 Solder, Add	17.27	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-12.03	
For Brazed Fittings Instead Of 95/5 Solder, Add	15.71	
For Work In Restricted Working Space, Add	31.43	
22 11 16 00-0526 EA 3" Male Copper Adapter.....	180.64	93.59
For Silver Solder Instead Of 95/5 Solder, Add	22.98	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-16.01	
For Brazed Fittings Instead Of 95/5 Solder, Add	20.92	
For Work In Restricted Working Space, Add	41.84	
22 11 16 00-0527 EA 4" Male Copper Adapter.....	262.74	131.28
For Silver Solder Instead Of 95/5 Solder, Add	32.83	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-22.98	
For Brazed Fittings Instead Of 95/5 Solder, Add	29.54	
For Work In Restricted Working Space, Add	59.08	
22 11 16 00-0528 Female Copper Adapters (22 11 16 00-0414)		
22 11 16 00-0529 EA 1/4" Female Copper Adapter	24.78	14.49
For Silver Solder Instead Of 95/5 Solder, Add	3.47	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-2.35	
For Brazed Fittings Instead Of 95/5 Solder, Add	3.34	
For Work In Restricted Working Space, Add	6.69	
22 11 16 00-0530 EA 3/8" Female Copper Adapter	29.34	17.83
For Silver Solder Instead Of 95/5 Solder, Add	4.14	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-2.80	
For Brazed Fittings Instead Of 95/5 Solder, Add	4.01	
For Work In Restricted Working Space, Add	8.02	
22 11 16 00-0531 EA 1/2" Female Copper Adapter	34.69	22.29
For Silver Solder Instead Of 95/5 Solder, Add	5.08	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-3.41	
For Brazed Fittings Instead Of 95/5 Solder, Add	5.01	
For Work In Restricted Working Space, Add	10.03	
22 11 16 00-0532 EA 3/4" Female Copper Adapter	42.95	27.86
For Silver Solder Instead Of 95/5 Solder, Add	6.27	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-4.21	
For Brazed Fittings Instead Of 95/5 Solder, Add	6.18	
For Work In Restricted Working Space, Add	12.37	
22 11 16 00-0533 EA 1" Female Copper Adapter	51.86	32.32
For Silver Solder Instead Of 95/5 Solder, Add	7.39	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-4.99	
For Brazed Fittings Instead Of 95/5 Solder, Add	7.19	
For Work In Restricted Working Space, Add	14.38	
22 11 16 00-0534 EA 1-1/4" Female Copper Adapter	61.49	36.77
For Silver Solder Instead Of 95/5 Solder, Add	8.65	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-5.86	
For Brazed Fittings Instead Of 95/5 Solder, Add	8.36	
For Work In Restricted Working Space, Add	16.71	
22 11 16 00-0535 EA 1-1/2" Female Copper Adapter	72.55	42.35
For Silver Solder Instead Of 95/5 Solder, Add	9.98	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-6.80	
For Brazed Fittings Instead Of 95/5 Solder, Add	9.53	
For Work In Restricted Working Space, Add	19.05	
22 11 16 00-0536 EA 2" Female Copper Adapter	93.61	54.05
For Silver Solder Instead Of 95/5 Solder, Add	12.82	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-8.75	
For Brazed Fittings Instead Of 95/5 Solder, Add	12.20	
For Work In Restricted Working Space, Add	24.41	
22 11 16 00-0537 EA 2-1/2" Female Copper Adapter	140.28	64.61
For Silver Solder Instead Of 95/5 Solder, Add	16.66	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-11.83	
For Brazed Fittings Instead Of 95/5 Solder, Add	14.46	
For Work In Restricted Working Space, Add	28.92	
22 11 16 00-0538 EA 3" Female Copper Adapter	213.38	93.59
For Silver Solder Instead Of 95/5 Solder, Add	24.62	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-17.64	
For Brazed Fittings Instead Of 95/5 Solder, Add	20.92	
For Work In Restricted Working Space, Add	41.84	
22 11 16 00-0539 Wrot Copper, Solder Union (22 11 16 00-0414)		
22 11 16 00-0540 EA 1/4" Wrot Copper, Solder Union.....	32.26	17.83
For Silver Solder Instead Of 95/5 Solder, Add	4.29	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-2.95	
For Brazed Fittings Instead Of 95/5 Solder, Add	4.01	
For Work In Restricted Working Space, Add	8.02	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0541	EA		3/8" Wrot Copper, Solder Union.....	38.01	21.51
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	5.13	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-3.52	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	4.85	
			<i>For Work In Restricted Working Space, Add</i>	9.70	
22 11 16 00-0542	EA		1/2" Wrot Copper, Solder Union.....	43.64	26.74
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	6.19	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-4.19	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	6.02	
			<i>For Work In Restricted Working Space, Add</i>	12.04	
22 11 16 00-0543	EA		3/4" Wrot Copper, Solder Union.....	50.01	30.53
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	7.07	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-4.78	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	6.85	
			<i>For Work In Restricted Working Space, Add</i>	13.70	
22 11 16 00-0544	EA		1" Wrot Copper, Solder Union.....	62.03	36.44
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	8.56	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-5.83	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	8.19	
			<i>For Work In Restricted Working Space, Add</i>	16.38	
22 11 16 00-0545	EA		1-1/4" Wrot Copper, Solder Union.....	70.94	40.12
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	9.57	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-6.56	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	9.03	
			<i>For Work In Restricted Working Space, Add</i>	18.05	
22 11 16 00-0546	EA		1-1/2" Wrot Copper, Solder Union.....	82.04	44.57
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	10.79	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-7.45	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	10.03	
			<i>For Work In Restricted Working Space, Add</i>	20.06	
22 11 16 00-0547	EA		2" Wrot Copper, Solder Union.....	106.10	53.48
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	13.33	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-9.32	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	12.03	
			<i>For Work In Restricted Working Space, Add</i>	24.07	
22 11 16 00-0548	EA		2-1/2" Wrot Copper, Solder Union.....	158.75	58.87
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	16.76	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-12.35	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	13.23	
			<i>For Work In Restricted Working Space, Add</i>	26.46	
22 11 16 00-0549	EA		3" Wrot Copper, Solder Union.....	307.70	83.49
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	27.90	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-21.64	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	18.77	
			<i>For Work In Restricted Working Space, Add</i>	37.54	
22 11 16 00-0550			Cast Bronze, Solder Union <small>(22 11 16 00-0414)</small>		
22 11 16 00-0551	EA		1/4" Cast Bronze, Solder Union.....	34.30	17.83
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	4.39	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-3.05	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	4.01	
			<i>For Work In Restricted Working Space, Add</i>	8.02	
22 11 16 00-0552	EA		3/8" Cast Bronze, Solder Union.....	39.93	21.51
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	5.23	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-3.61	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	4.85	
			<i>For Work In Restricted Working Space, Add</i>	9.70	
22 11 16 00-0553	EA		1/2" Cast Bronze, Solder Union.....	44.17	26.74
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	6.22	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-4.21	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	6.02	
			<i>For Work In Restricted Working Space, Add</i>	12.04	
22 11 16 00-0554	EA		3/4" Cast Bronze, Solder Union.....	50.76	30.53
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	7.11	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-4.82	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	6.85	
			<i>For Work In Restricted Working Space, Add</i>	13.70	
22 11 16 00-0555	EA		1" Cast Bronze, Solder Union.....	63.35	36.44
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	8.63	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-5.90	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	8.19	
			<i>For Work In Restricted Working Space, Add</i>	16.38	
22 11 16 00-0556	EA		1-1/4" Cast Bronze, Solder Union.....	74.53	40.12
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	9.74	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-6.74	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	9.03	
			<i>For Work In Restricted Working Space, Add</i>	18.05	
22 11 16 00-0557	EA		1-1/2" Cast Bronze, Solder Union.....	85.78	44.57
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	10.98	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-7.63	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	10.03	
			<i>For Work In Restricted Working Space, Add</i>	20.06	

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22 10	Plumbing Piping
22 11	Facility Water Distribution



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0558	EA		2" Cast Bronze, Solder Union	112.48	53.48
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	13.65	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-9.64	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	12.03	
			<i>For Work In Restricted Working Space, Add</i>	24.07	
22 11 16 00-0559	EA		2-1/2" Cast Bronze, Solder Union	158.75	58.87
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	16.76	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-12.35	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	13.23	
			<i>For Work In Restricted Working Space, Add</i>	26.46	
22 11 16 00-0560	EA		3" Cast Bronze, Solder Union	307.70	83.49
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	27.90	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-21.64	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	18.77	
			<i>For Work In Restricted Working Space, Add</i>	37.54	
22 11 16 00-0561			Cast Bronze, Solder X Female Threaded Union (22 11 16 00-0414)		
22 11 16 00-0562	EA		1/4" Cast Bronze, Solder X Female Threaded Union	37.05	17.83
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	4.53	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-3.19	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	4.01	
			<i>For Work In Restricted Working Space, Add</i>	8.02	
22 11 16 00-0563	EA		3/8" Cast Bronze, Solder X Female Threaded Union	42.99	21.51
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	5.38	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-3.77	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	4.85	
			<i>For Work In Restricted Working Space, Add</i>	9.70	
22 11 16 00-0564	EA		1/2" Cast Bronze, Solder X Female Threaded Union	48.59	26.74
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	6.44	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-4.44	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	6.02	
			<i>For Work In Restricted Working Space, Add</i>	12.04	
22 11 16 00-0565	EA		3/4" Cast Bronze, Solder X Female Threaded Union	57.23	30.53
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	7.43	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-5.15	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	6.85	
			<i>For Work In Restricted Working Space, Add</i>	13.70	
22 11 16 00-0566	EA		1" Cast Bronze, Solder X Female Threaded Union	78.62	36.44
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	9.39	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-6.66	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	8.19	
			<i>For Work In Restricted Working Space, Add</i>	16.38	
22 11 16 00-0567	EA		1-1/4" Cast Bronze, Solder X Female Threaded Union	104.95	40.12
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	11.27	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-8.26	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	9.03	
			<i>For Work In Restricted Working Space, Add</i>	18.05	
22 11 16 00-0568	EA		1-1/2" Cast Bronze, Solder X Female Threaded Union	123.58	44.57
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	12.87	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-9.52	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	10.03	
			<i>For Work In Restricted Working Space, Add</i>	20.06	
22 11 16 00-0569	EA		2" Cast Bronze, Solder X Female Threaded Union	176.24	53.48
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	16.84	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-12.82	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	12.03	
			<i>For Work In Restricted Working Space, Add</i>	24.07	
22 11 16 00-0570	EA		2-1/2" Cast Bronze, Solder X Female Threaded Union	270.21	58.87
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	22.33	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-17.92	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	13.23	
			<i>For Work In Restricted Working Space, Add</i>	26.46	
22 11 16 00-0571			Cast Bronze, Solder X Male Threaded Union (22 11 16 00-0414)		
22 11 16 00-0572	EA		1/4" Cast Bronze, Solder X Male Threaded Union	34.59	17.83
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	4.40	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-3.07	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	4.01	
			<i>For Work In Restricted Working Space, Add</i>	8.02	
22 11 16 00-0573	EA		3/8" Cast Bronze, Solder X Male Threaded Union	41.49	21.51
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	5.31	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-3.69	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	4.85	
			<i>For Work In Restricted Working Space, Add</i>	9.70	
22 11 16 00-0574	EA		1/2" Cast Bronze, Solder X Male Threaded Union	46.81	26.74
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	6.35	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-4.35	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	6.02	
			<i>For Work In Restricted Working Space, Add</i>	12.04	
22 11 16 00-0575	EA		3/4" Cast Bronze, Solder X Male Threaded Union	55.72	30.53
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	7.35	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-5.07	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	6.85	
			<i>For Work In Restricted Working Space, Add</i>	13.70	



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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0576 EA 1" Cast Bronze, Solder X Male Threaded Union.....	79.32	36.44
For Silver Solder Instead Of 95/5 Solder, Add	9.43	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-6.70	
For Brazed Fittings Instead Of 95/5 Solder, Add	8.19	
For Work In Restricted Working Space, Add	16.38	
22 11 16 00-0577 EA 1-1/4" Cast Bronze, Solder X Male Threaded Union.....	90.84	40.12
For Silver Solder Instead Of 95/5 Solder, Add	10.56	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-7.55	
For Brazed Fittings Instead Of 95/5 Solder, Add	9.03	
For Work In Restricted Working Space, Add	18.05	
22 11 16 00-0578 EA 1-1/2" Cast Bronze, Solder X Male Threaded Union.....	99.06	44.57
For Silver Solder Instead Of 95/5 Solder, Add	11.64	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-8.30	
For Brazed Fittings Instead Of 95/5 Solder, Add	10.03	
For Work In Restricted Working Space, Add	20.06	
22 11 16 00-0579 EA 2" Cast Bronze, Solder X Male Threaded Union.....	129.70	53.48
For Silver Solder Instead Of 95/5 Solder, Add	14.51	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-10.50	
For Brazed Fittings Instead Of 95/5 Solder, Add	12.03	
For Work In Restricted Working Space, Add	24.07	
22 11 16 00-0580 EA 2-1/2" Cast Bronze, Solder X Male Threaded Union.....	233.16	58.87
For Silver Solder Instead Of 95/5 Solder, Add	20.48	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-16.07	
For Brazed Fittings Instead Of 95/5 Solder, Add	13.23	
For Work In Restricted Working Space, Add	26.46	
22 11 16 00-0581 Copper Caps (22 11 16 00-0414)		
22 11 16 00-0582 EA 1/4" Copper Cap.....	4.52	2.82
For Silver Solder Instead Of 95/5 Solder, Add	0.64	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-0.44	
For Brazed Fittings Instead Of 95/5 Solder, Add	0.63	
For Work In Restricted Working Space, Add	1.25	
22 11 16 00-0583 EA 3/8" Copper Cap.....	5.00	2.97
For Silver Solder Instead Of 95/5 Solder, Add	0.70	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-0.47	
For Brazed Fittings Instead Of 95/5 Solder, Add	0.67	
For Work In Restricted Working Space, Add	1.34	
22 11 16 00-0584 EA 1/2" Copper Cap.....	5.00	3.20
For Silver Solder Instead Of 95/5 Solder, Add	0.72	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-0.49	
For Brazed Fittings Instead Of 95/5 Solder, Add	0.71	
For Work In Restricted Working Space, Add	1.42	
22 11 16 00-0585 EA 3/4" Copper Cap.....	6.44	4.01
For Silver Solder Instead Of 95/5 Solder, Add	0.92	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-0.62	
For Brazed Fittings Instead Of 95/5 Solder, Add	0.89	
For Work In Restricted Working Space, Add	1.78	
22 11 16 00-0586 EA 1" Copper Cap.....	8.73	5.07
For Silver Solder Instead Of 95/5 Solder, Add	1.19	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-0.81	
For Brazed Fittings Instead Of 95/5 Solder, Add	1.13	
For Work In Restricted Working Space, Add	2.26	
22 11 16 00-0587 EA 1-1/4" Copper Cap.....	11.93	6.95
For Silver Solder Instead Of 95/5 Solder, Add	1.63	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-1.11	
For Brazed Fittings Instead Of 95/5 Solder, Add	1.55	
For Work In Restricted Working Space, Add	3.09	
22 11 16 00-0588 EA 1-1/2" Copper Cap.....	14.47	8.18
For Silver Solder Instead Of 95/5 Solder, Add	1.94	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-1.33	
For Brazed Fittings Instead Of 95/5 Solder, Add	1.82	
For Work In Restricted Working Space, Add	3.64	
22 11 16 00-0589 EA 2" Copper Cap.....	31.32	18.21
For Silver Solder Instead Of 95/5 Solder, Add	4.26	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-2.91	
For Brazed Fittings Instead Of 95/5 Solder, Add	4.05	
For Work In Restricted Working Space, Add	8.09	
22 11 16 00-0590 EA 2-1/2" Copper Cap.....	54.05	27.70
For Silver Solder Instead Of 95/5 Solder, Add	6.81	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-4.75	
For Brazed Fittings Instead Of 95/5 Solder, Add	6.15	
For Work In Restricted Working Space, Add	12.31	
22 11 16 00-0591 EA 3" Copper Cap.....	72.49	36.35
For Silver Solder Instead Of 95/5 Solder, Add	9.01	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-6.32	
For Brazed Fittings Instead Of 95/5 Solder, Add	8.08	
For Work In Restricted Working Space, Add	16.15	
22 11 16 00-0592 EA 4" Copper Cap.....	99.30	43.27
For Silver Solder Instead Of 95/5 Solder, Add	11.38	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-8.17	
For Brazed Fittings Instead Of 95/5 Solder, Add	9.62	
For Work In Restricted Working Space, Add	19.23	

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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0593 EA 5" Cast Bronze Cap	336.43	59.38
For Silver Solder Instead Of 95/5 Solder, Add	25.72	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-21.27	
For Brazed Fittings Instead Of 95/5 Solder, Add	13.35	
For Work In Restricted Working Space, Add	26.71	
22 11 16 00-0594 EA 6" Cast Bronze Cap	606.86	76.93
For Silver Solder Instead Of 95/5 Solder, Add	41.74	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-36.04	
For Brazed Fittings Instead Of 95/5 Solder, Add	17.09	
For Work In Restricted Working Space, Add	34.19	
22 11 16 00-0595 EA 8" Cast Bronze Cap	789.68	110.76
For Silver Solder Instead Of 95/5 Solder, Add	55.89	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-47.69	
For Brazed Fittings Instead Of 95/5 Solder, Add	24.62	
For Work In Restricted Working Space, Add	49.23	
22 11 16 00-0596 Copper Crosses (22 11 16 00-0414)		
22 11 16 00-0597 EA 1/2" Copper Cross	72.02	45.13
For Silver Solder Instead Of 95/5 Solder, Add	10.37	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-6.99	
For Brazed Fittings Instead Of 95/5 Solder, Add	10.15	
For Work In Restricted Working Space, Add	20.31	
22 11 16 00-0598 EA 3/4" Copper Cross	92.52	56.11
For Silver Solder Instead Of 95/5 Solder, Add	13.04	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-8.83	
For Brazed Fittings Instead Of 95/5 Solder, Add	12.62	
For Work In Restricted Working Space, Add	25.23	
22 11 16 00-0599 EA 1" Copper Cross	114.81	66.97
For Silver Solder Instead Of 95/5 Solder, Add	15.79	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-10.77	
For Brazed Fittings Instead Of 95/5 Solder, Add	15.08	
For Work In Restricted Working Space, Add	30.15	
22 11 16 00-0600 EA 1-1/4" Copper Cross	129.26	72.51
For Silver Solder Instead Of 95/5 Solder, Add	17.33	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-11.90	
For Brazed Fittings Instead Of 95/5 Solder, Add	16.31	
For Work In Restricted Working Space, Add	32.61	
22 11 16 00-0601 EA 1-1/2" Copper Cross	148.28	79.28
For Silver Solder Instead Of 95/5 Solder, Add	19.31	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-13.36	
For Brazed Fittings Instead Of 95/5 Solder, Add	17.85	
For Work In Restricted Working Space, Add	35.69	
22 11 16 00-0602 EA 2" Copper Cross	188.68	88.92
For Silver Solder Instead Of 95/5 Solder, Add	22.77	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-16.10	
For Brazed Fittings Instead Of 95/5 Solder, Add	20.00	
For Work In Restricted Working Space, Add	40.00	
22 11 16 00-0603 EA 2-1/2" Copper Cross	275.27	98.46
For Silver Solder Instead Of 95/5 Solder, Add	28.53	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-21.15	
For Brazed Fittings Instead Of 95/5 Solder, Add	22.15	
For Work In Restricted Working Space, Add	44.31	
22 11 16 00-0604 Cast Bronze Crosses (22 11 16 00-0414)		
22 11 16 00-0605 EA 3/8" Cast Bronze Cross.....	55.01	32.82
For Silver Solder Instead Of 95/5 Solder, Add	7.67	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-5.21	
For Brazed Fittings Instead Of 95/5 Solder, Add	7.38	
For Work In Restricted Working Space, Add	14.77	
22 11 16 00-0606 EA 1/2" Cast Bronze Cross.....	72.89	45.13
For Silver Solder Instead Of 95/5 Solder, Add	10.41	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-7.03	
For Brazed Fittings Instead Of 95/5 Solder, Add	10.15	
For Work In Restricted Working Space, Add	20.31	
22 11 16 00-0607 EA 3/4" Cast Bronze Cross.....	94.20	56.11
For Silver Solder Instead Of 95/5 Solder, Add	13.12	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-8.92	
For Brazed Fittings Instead Of 95/5 Solder, Add	12.62	
For Work In Restricted Working Space, Add	25.23	
22 11 16 00-0608 EA 1" Cast Bronze Cross.....	117.67	66.97
For Silver Solder Instead Of 95/5 Solder, Add	15.93	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-10.91	
For Brazed Fittings Instead Of 95/5 Solder, Add	15.08	
For Work In Restricted Working Space, Add	30.15	
22 11 16 00-0609 EA 1-1/4" Cast Bronze Cross	133.37	72.51
For Silver Solder Instead Of 95/5 Solder, Add	17.54	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-12.10	
For Brazed Fittings Instead Of 95/5 Solder, Add	16.31	
For Work In Restricted Working Space, Add	32.61	
22 11 16 00-0610 EA 1-1/2" Cast Bronze Cross	154.13	79.28
For Silver Solder Instead Of 95/5 Solder, Add	19.60	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-13.66	
For Brazed Fittings Instead Of 95/5 Solder, Add	17.85	
For Work In Restricted Working Space, Add	35.69	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0611	EA			2" Cast Bronze Cross <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	199.74 23.32 -16.65 20.00 40.00	88.92
22 11 16 00-0612	EA			2-1/2" Cast Bronze Cross <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	300.78 29.81 -22.42 22.15 44.31	98.46
22 11 16 00-0613				Cut And Prepare Existing In-Place Copper Pipe (22 11 16 00-0345)		
22 11 16 00-0614	EA			Up To 1/2", Cut And Prepare Existing In Place Copper Pipe.....	11.14	
22 11 16 00-0615	EA			3/4", Cut And Prepare Existing In Place Copper Pipe.....	12.04	
22 11 16 00-0616	EA			1", Cut And Prepare Existing In Place Copper Pipe.....	13.54	
22 11 16 00-0617	EA			1-1/4", Cut And Prepare Existing In Place Copper Pipe.....	14.21	
22 11 16 00-0618	EA			1-1/2", Cut And Prepare Existing In Place Copper Pipe.....	15.04	
22 11 16 00-0619	EA			2", Cut And Prepare Existing In Place Copper Pipe.....	16.55	
22 11 16 00-0620	EA			2-1/2", Cut And Prepare Existing In Place Copper Pipe.....	17.83	
22 11 16 00-0621	EA			3", Cut And Prepare Existing In Place Copper Pipe.....	21.06	
22 11 16 00-0622	EA			4", Cut And Prepare Existing In Place Copper Pipe.....	28.42	
22 11 16 00-0623	EA			6", Cut And Prepare Existing In Place Copper Pipe.....	40.61	
22 11 16 00-0624	EA			8", Cut And Prepare Existing In Place Copper Pipe.....	54.16	
22 11 16 00-0625				Sweat Brass Companion Flanges (22 11 16 00-0345)		
22 11 16 00-0626	EA			1" Sweat Brass Companion Flange.....	37.60	17.13
22 11 16 00-0627	EA			1-1/4" Sweat Brass Companion Flange.....	41.19	18.87
22 11 16 00-0628	EA			1-1/2" Sweat Brass Companion Flange.....	52.40	20.51
22 11 16 00-0629	EA			2" Sweat Brass Companion Flange.....	65.36	22.77
22 11 16 00-0630	EA			2-1/2" Sweat Brass Companion Flange.....	81.18	27.38
22 11 16 00-0631	EA			3" Sweat Brass Companion Flange.....	95.39	35.90
22 11 16 00-0632	EA			4" Sweat Brass Companion Flange.....	122.09	42.77
22 11 16 00-0633	EA			5" Sweat Brass Companion Flange.....	226.71	49.07
22 11 16 00-0634	EA			6" Sweat Brass Companion Flange.....	284.49	71.31
22 11 16 00-0635	EA			8" Copper Companion Flange.....	555.13	101.71
22 11 16 00-0636				Brass Compression Fittings (22 11 16 00-0345)		
22 11 16 00-0637				Brass Compression Unions (22 11 16 00-0636)		
22 11 16 00-0638	EA			1/4" Brass Compression Union.....	18.75	12.04
22 11 16 00-0639	EA			3/8" Brass Compression Union.....	18.95	12.04
22 11 16 00-0640	EA			1/2" Brass Compression Union.....	19.56	12.04
22 11 16 00-0641	EA			5/8" Brass Compression Union.....	19.85	12.04
22 11 16 00-0642	EA			3/4" Brass Compression Union.....	22.25	12.04
22 11 16 00-0643	EA			3/8" x 1/4" Brass Compression Union.....	19.09	12.04
22 11 16 00-0644	EA			1/2" x 3/8" Brass Compression Union.....	19.61	12.04
22 11 16 00-0645	EA			5/8" x 3/8" Brass Compression Union.....	19.97	12.04
22 11 16 00-0646	EA			5/8" x 1/2" Brass Compression Union.....	20.55	12.04
22 11 16 00-0647				Brass Compression Union Elbows (22 11 16 00-0636)		
22 11 16 00-0648	EA			1/4" Brass Compression Union Elbow.....	19.56	12.04
22 11 16 00-0649	EA			3/8" Brass Compression Union Elbow.....	19.89	12.04
22 11 16 00-0650	EA			1/2" Brass Compression Union Elbow.....	20.61	12.04
22 11 16 00-0651	EA			5/8" Brass Compression Union Elbow.....	21.73	12.04
22 11 16 00-0652	EA			3/4" Brass Compression Union Elbow.....	26.09	12.04
22 11 16 00-0653	EA			3/8" x 1/4" Brass Compression Union Elbow.....	19.89	12.04
22 11 16 00-0654	EA			1/2" x 3/8" Brass Compression Union Elbow.....	20.61	12.04
22 11 16 00-0655	EA			5/8" x 3/8" Brass Compression Union Elbow.....	20.81	12.04
22 11 16 00-0656	EA			5/8" x 1/2" Brass Compression Union Elbow.....	24.09	12.04
22 11 16 00-0657				Brass Compression Union Tees (22 11 16 00-0636)		
22 11 16 00-0658	EA			1/4" Brass Compression Union Tee.....	19.81	12.04
22 11 16 00-0659	EA			3/8" Brass Compression Union Tee.....	20.49	12.04
22 11 16 00-0660	EA			1/2" Brass Compression Union Tee.....	21.21	12.04
22 11 16 00-0661	EA			5/8" Brass Compression Union Tee.....	23.49	12.04
22 11 16 00-0662	EA			3/4" Brass Compression Union Tee.....	31.37	12.04
22 11 16 00-0663	EA			3/8" x 3/8" x 1/4" Brass Compression Union Tee.....	20.97	12.04
22 11 16 00-0664	EA			1/2" x 1/2" x 3/8" Brass Compression Union Tee.....	24.67	12.04
22 11 16 00-0665	EA			5/8" x 5/8" x 3/8" Brass Compression Union Tee.....	24.31	12.04
22 11 16 00-0666	EA			5/8" x 5/8" x 1/2" Brass Compression Union Tee.....	24.73	12.04
22 11 16 00-0667				Brass Compression Male Connectors (22 11 16 00-0636)		
22 11 16 00-0668	EA			1/4" Brass Compression Male Connector.....	18.61	12.04
22 11 16 00-0669	EA			3/8" Brass Compression Male Connector.....	18.87	12.04
22 11 16 00-0670	EA			1/2" Brass Compression Male Connector.....	19.33	12.04



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0671 EA 5/8" Brass Compression Male Connector	20.01	12.04
22 11 16 00-0672 EA 3/4" Brass Compression Male Connector	20.98	11.92
22 11 16 00-0673 Brass Compression Female Connectors (22 11 16 00-0636)		
22 11 16 00-0674 EA 1/4" Brass Compression Female Connector	18.90	12.04
22 11 16 00-0675 EA 3/8" Brass Compression Female Connector	19.24	12.04
22 11 16 00-0676 EA 1/2" Brass Compression Female Connector	19.82	12.04
22 11 16 00-0677 EA 5/8" Brass Compression Female Connector	20.13	12.04
22 11 16 00-0678 EA 3/4" Brass Compression Female Connector	23.80	11.81
22 11 16 00-0679 Dielectric Fittings (22 11 16 00-0345)		
22 11 16 00-0680 Copper x Female Iron Pipe Thread Dielectric Unions (22 11 16 00-0679)		
22 11 16 00-0681 EA 1/2" Copper x Female Iron Pipe Thread Dielectric Union.....	45.89	26.74
22 11 16 00-0682 EA 3/4" Copper x Female Iron Pipe Thread Dielectric Union.....	51.45	30.53
22 11 16 00-0683 EA 1" Copper x Female Iron Pipe Thread Dielectric Union.....	60.30	33.54
22 11 16 00-0684 EA 1-1/4" Copper x Female Iron Pipe Thread Dielectric Union	71.85	36.92
22 11 16 00-0685 EA 1-1/2" Copper x Female Iron Pipe Thread Dielectric Union	85.67	41.03
22 11 16 00-0686 EA 2" Copper x Female Iron Pipe Thread Dielectric Union	107.87	49.23
22 11 16 00-0687 Female Brass Thread x Iron Pipe Thread Dielectric Unions (22 11 16 00-0679)		
22 11 16 00-0688 EA 1/2" Female Brass Thread x Iron Pipe Thread Dielectric Union.....	49.54	26.74
22 11 16 00-0689 EA 3/4" Female Brass Thread x Iron Pipe Thread Dielectric Union.....	57.46	30.53
22 11 16 00-0690 EA 1" Female Brass Thread x Iron Pipe Thread Dielectric Union.....	68.22	33.54
22 11 16 00-0691 EA 1-1/4" Female Brass Thread x Iron Pipe Thread Dielectric Union.....	82.36	36.92
22 11 16 00-0692 EA 1-1/2" Female Brass Thread x Iron Pipe Thread Dielectric Union.....	98.67	41.03
22 11 16 00-0693 EA 2" Female Brass Thread x Iron Pipe Thread Dielectric Union.....	123.12	49.23
22 11 16 00-0694 Female Iron Pipe Thread x Iron Pipe Thread Dielectric Unions (22 11 16 00-0679)		
22 11 16 00-0695 EA 1/2" Female Iron Pipe Thread x Iron Pipe Thread Dielectric Union.....	47.23	26.74
22 11 16 00-0696 EA 3/4" Female Iron Pipe Thread x Iron Pipe Thread Dielectric Union.....	53.65	30.53
22 11 16 00-0697 EA 1" Female Iron Pipe Thread x Iron Pipe Thread Dielectric Union.....	60.88	33.54
22 11 16 00-0698 EA 1-1/4" Female Iron Pipe Thread x Iron Pipe Thread Dielectric Union	69.82	36.92
22 11 16 00-0699 EA 1-1/2" Female Iron Pipe Thread x Iron Pipe Thread Dielectric Union	83.66	41.03
22 11 16 00-0700 EA 2" Female Iron Pipe Thread x Iron Pipe Thread Dielectric Union.....	106.25	49.23
22 11 16 00-0701 Copper x Female Iron Pipe Thread Dielectric Flanges (22 11 16 00-0679)		
22 11 16 00-0702 EA 2-1/2" Copper x Female Iron Pipe Thread Dielectric Flange.....	264.81	126.57
22 11 16 00-0703 EA 3" Copper x Female Iron Pipe Thread Dielectric Flange	331.82	159.38
22 11 16 00-0704 EA 4" Copper x Female Iron Pipe Thread Dielectric Flange.....	465.24	216.92
22 11 16 00-0705 Copper x Female Iron Pipe Thread x Iron Pipe Thread Dielectric Flanges (22 11 16 00-0679)		
22 11 16 00-0706 EA 2-1/2" Female Iron Pipe Thread x Iron Pipe Thread Dielectric Flange.....	266.30	126.57
22 11 16 00-0707 EA 3" Female Iron Pipe Thread x Iron Pipe Thread Dielectric Flange	343.78	159.38
22 11 16 00-0708 EA 4" Female Iron Pipe Thread x Iron Pipe Thread Dielectric Flange.....	603.20	216.92
22 11 16 00-0709 Brass Push-Fit Fittings (22 11 16)		
22 11 16 00-0710 EA 1/4" x 1/4" Brass Push-Fit Coupling	20.79	11.14
Note: (Sharkbite)		
22 11 16 00-0711 EA 3/8" x 3/8" Brass Push-Fit Coupling	24.54	11.89
Note: (Sharkbite)		
22 11 16 00-0712 EA 1/2" x 1/2" Brass Push-Fit Coupling	26.13	13.38
Note: (Sharkbite)		
22 11 16 00-0713 EA 5/8" x 5/8" Brass Push-Fit Coupling	29.34	14.26
Note: (Sharkbite)		
22 11 16 00-0714 EA 3/4" x 3/4" Brass Push-Fit Coupling	30.35	15.24
Note: (Sharkbite)		
22 11 16 00-0715 EA 1" x 1" Brass Push-Fit Coupling	40.57	18.20
Note: (Sharkbite)		
22 11 16 00-0716 EA 1/2" x 3/8" Brass Push-Fit Reducing Coupling.....	25.33	12.62
Note: (Sharkbite)		
22 11 16 00-0717 EA 3/4" x 5/8" Brass Push-Fit Reducing Coupling.....	28.80	13.82
Note: (Sharkbite)		
22 11 16 00-0718 EA 1" x 3/4" Brass Push-Fit Reducing Coupling.....	40.38	16.71
Note: (Sharkbite)		
22 11 16 00-0719 EA 1/4" x 1/4" Brass Push-Fit Elbow	21.38	11.14
Note: (Sharkbite)		
22 11 16 00-0720 EA 3/8" x 3/8" Brass Push-Fit Elbow	27.06	11.89
Note: (Sharkbite)		
22 11 16 00-0721 EA 1/2" x 1/2" Brass Push-Fit Elbow	26.45	13.38
Note: (Sharkbite)		
22 11 16 00-0722 EA 5/8" x 5/8" Brass Push-Fit Elbow	30.80	14.26
Note: (Sharkbite)		



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	22 11 16 00-0723	EA		3/4" x 3/4" Brass Push-Fit Elbow Note: (Sharkbite)	29.93	15.24
	22 11 16 00-0724	EA		1" x 1" Brass Push-Fit Elbow Note: (Sharkbite)	40.89	18.20
	22 11 16 00-0725	EA		1/2" x 3/8" Brass Push-Fit Reducing Elbow Note: (Sharkbite)	25.06	12.62
	22 11 16 00-0726	EA		3/4" x 1/2" Brass Push-Fit Reducing Elbow Note: (Sharkbite)	27.76	13.82
	22 11 16 00-0727	EA		1" x 3/4" Brass Push-Fit Reducing Elbow Note: (Sharkbite)	47.57	16.71
	22 11 16 00-0728	EA		1/4" x 1/4" x 1/4" Brass Push-Fit Tee..... Note: (Sharkbite)	32.32	16.71
	22 11 16 00-0729	EA		3/8" x 3/8" x 3/8" Brass Push-Fit Tee..... Note: (Sharkbite)	38.75	17.83
	22 11 16 00-0730	EA		1/2" x 1/2" x 1/2" Brass Push-Fit Tee..... Note: (Sharkbite)	37.93	20.06
	22 11 16 00-0731	EA		5/8" x 5/8" x 5/8" Brass Push-Fit Tee..... Note: (Sharkbite)	45.57	21.40
	22 11 16 00-0732	EA		3/4" x 3/4" x 3/4" Brass Push-Fit Tee..... Note: (Sharkbite)	43.88	22.84
	22 11 16 00-0733	EA		1" x 1" x 1" Brass Push-Fit Tee..... Note: (Sharkbite)	57.42	27.30
	22 11 16 00-0734	EA		1/2" x 1/2" x 1/4" Brass Push-Fit Reducing Tee..... Note: (Sharkbite)	40.24	18.94
	22 11 16 00-0735	EA		1/2" x 1/2" x 3/8" Brass Push-Fit Reducing Tee..... Note: (Sharkbite)	40.63	19.32
	22 11 16 00-0736	EA		3/4" x 3/4" x 1/2" Brass Push-Fit Reducing Tee..... Note: (Sharkbite)	42.27	21.92
	22 11 16 00-0737	EA		1" x 1" x 3/4" Brass Push-Fit Reducing Tee..... Note: (Sharkbite)	55.26	25.82
	22 11 16 00-0738	EA		1/4" x 1/2" Brass Push-Fit Pipe To FNPT Connector..... Note: (Sharkbite)	24.10	12.26
	22 11 16 00-0739	EA		3/8" x 1/2" Brass Push-Fit Pipe To FNPT Connector..... Note: (Sharkbite)	24.15	12.62
	22 11 16 00-0740	EA		1/2" x 1/2" Brass Push-Fit Pipe To FNPT Connector..... Note: (Sharkbite)	24.45	13.38
	22 11 16 00-0741	EA		3/4" x 3/4" Brass Push-Fit Pipe To FNPT Connector..... Note: (Sharkbite)	27.94	15.24
	22 11 16 00-0742	EA		1" x 1" Brass Push-Fit Pipe To FNPT Connector..... Note: (Sharkbite)	37.18	18.20
	22 11 16 00-0743	EA		1/4" x 1/2" Brass Push-Fit Pipe To MNPT Connector..... Note: (Sharkbite)	22.09	12.26
	22 11 16 00-0744	EA		3/8" x 1/2" Brass Push-Fit Pipe To MNPT Connector..... Note: (Sharkbite)	24.15	12.62
	22 11 16 00-0745	EA		1/2" x 1/2" Brass Push-Fit Pipe To MNPT Connector..... Note: (Sharkbite)	24.50	13.38
	22 11 16 00-0746	EA		3/4" x 3/4" Brass Push-Fit Pipe To MNPT Connector..... Note: (Sharkbite)	27.76	15.24
	22 11 16 00-0747	EA		5/8" x 3/4" Brass Push-Fit Pipe To MNPT Connector..... Note: (Sharkbite)	28.99	14.74
	22 11 16 00-0748	EA		1" x 3/4" Brass Push-Fit Pipe To MNPT Connector..... Note: (Sharkbite)	34.15	16.71
	22 11 16 00-0749	EA		1" x 1" Brass Push-Fit Pipe To MNPT Connector..... Note: (Sharkbite)	37.56	18.20
	22 11 16 00-0750	EA		1/2" Brass Push-Fit Ball Valve Note: (Sharkbite)	31.44	13.38
	22 11 16 00-0751	EA		3/4" Brass Push-Fit Ball Valve Note: (Sharkbite)	36.48	15.24
	22 11 16 00-0752	EA		1" Brass Push-Fit Ball Valve Note: (Sharkbite)	46.95	18.20
	22 11 16 00-0753	EA		1/2" Brass Push-Fit Check Valve Note: (Sharkbite)	33.06	13.38
	22 11 16 00-0754	EA		3/4" Brass Push-Fit Check Valve Note: (Sharkbite)	39.22	15.24
	22 11 16 00-0755	EA		1" Brass Push-Fit Check Valve..... Note: (Sharkbite)	61.19	18.20
	22 11 16 00-0756			Copper Pipe Assemblies <small>(22 11 16)</small> Note: Includes hangers and all coupling, elbow, tee and reducer fittings. All fittings are based on 95/5 solder. All hangers are complete assemblies installed in accordance with MSS SP 58 and 69. Excludes insulation. Not for use where detail is available.		
	22 11 16 00-0757	LF		1/2" Inside Diameter Copper Pipe/Tubing Type L Assembly Note: Includes all hangers and couplings, elbow, tee, reducer fittings. All hangers are complete assemblies. Not for use where detail is available.	20.59	3.12
				<i>For Type K Tubing Instead Of Type L, Add</i>	1.25	
				<i>For Type M Tubing Instead Of Type L, Deduct</i>	-1.08	
				<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	2.77	
				<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-1.90	
				<i>For Work In Restricted Working Space, Add</i>	5.23	

22	Plumbing
22 10	Plumbing Piping
22 11	Facility Water Distribution



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0758 LF 3/4" Inside Diameter Copper Pipe/Tubing Type L Assembly Note: Includes all hangers and couplings, elbow, tee, reducer fittings. All hangers are complete assemblies. Not for use where detail is available. <i>For Type K Tubing Instead Of Type L, Add</i> 1.44 <i>For Type M Tubing Instead Of Type L, Deduct</i> -1.24 <i>For Silver Solder Instead Of 95/5 Solder, Add</i> 3.15 <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> -2.16 <i>For Work In Restricted Working Space, Add</i> 5.93	23.51	4.01
22 11 16 00-0759 LF 1" Inside Diameter Copper Pipe/Tubing Type L Assembly Note: Includes all hangers and couplings, elbow, tee, reducer fittings. All hangers are complete assemblies. Not for use where detail is available. <i>For Type K Tubing Instead Of Type L, Add</i> 1.65 <i>For Type M Tubing Instead Of Type L, Deduct</i> -1.40 <i>For Silver Solder Instead Of 95/5 Solder, Add</i> 3.34 <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> -2.31 <i>For Work In Restricted Working Space, Add</i> 6.21	25.43	4.79
22 11 16 00-0760 LF 1-1/4" Inside Diameter Copper Pipe/Tubing Type L Assembly Note: Includes all hangers and couplings, elbow, tee, reducer fittings. All hangers are complete assemblies. Not for use where detail is available. <i>For Type K Tubing Instead Of Type L, Add</i> 2.01 <i>For Type M Tubing Instead Of Type L, Deduct</i> -1.65 <i>For Silver Solder Instead Of 95/5 Solder, Add</i> 3.56 <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> -2.48 <i>For Work In Restricted Working Space, Add</i> 6.45 <i>For Drain-Waste-Vent (DWV) Tubing Instead Of Type L, Deduct</i> -0.66	28.11	5.57
22 11 16 00-0761 LF 1-1/2" Inside Diameter Copper Pipe/Tubing Type L Assembly Note: Includes all hangers and couplings, elbow, tee, reducer fittings. All hangers are complete assemblies. Not for use where detail is available. <i>For Type K Tubing Instead Of Type L, Add</i> 2.40 <i>For Type M Tubing Instead Of Type L, Deduct</i> -1.94 <i>For Silver Solder Instead Of 95/5 Solder, Add</i> 3.87 <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> -2.72 <i>For Work In Restricted Working Space, Add</i> 6.88 <i>For Drain-Waste-Vent (DWV) Tubing Instead Of Type L, Deduct</i> -0.85	31.46	6.35
22 11 16 00-0762 LF 2" Inside Diameter Copper Pipe/Tubing Type L Assembly Note: Includes all hangers and couplings, elbow, tee, reducer fittings. All hangers are complete assemblies. Not for use where detail is available. <i>For Type K Tubing Instead Of Type L, Add</i> 3.84 <i>For Type M Tubing Instead Of Type L, Deduct</i> -2.97 <i>For Silver Solder Instead Of 95/5 Solder, Add</i> 4.76 <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> -3.44 <i>For Work In Restricted Working Space, Add</i> 7.92 <i>For Drain-Waste-Vent (DWV) Tubing Instead Of Type L, Deduct</i> -1.60	42.38	7.91
22 11 16 00-0763 LF 2-1/2" Inside Diameter Copper Pipe/Tubing Type L Assembly Note: Includes all hangers and couplings, elbow, tee, reducer fittings. All hangers are complete assemblies. Not for use where detail is available. <i>For Type K Tubing Instead Of Type L, Add</i> 5.00 <i>For Type M Tubing Instead Of Type L, Deduct</i> -3.79 <i>For Silver Solder Instead Of 95/5 Solder, Add</i> 5.35 <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> -3.94 <i>For Work In Restricted Working Space, Add</i> 8.49 <i>For Drain-Waste-Vent (DWV) Tubing Instead Of Type L, Deduct</i> -2.22	50.46	9.54
22 11 16 00-0764 LF 3" Inside Diameter Copper Pipe/Tubing Type L Assembly Note: Includes all hangers and couplings, elbow, tee, reducer fittings. All hangers are complete assemblies. Not for use where detail is available. <i>For Type K Tubing Instead Of Type L, Add</i> 6.12 <i>For Type M Tubing Instead Of Type L, Deduct</i> -4.60 <i>For Silver Solder Instead Of 95/5 Solder, Add</i> 6.00 <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> -4.47 <i>For Work In Restricted Working Space, Add</i> 9.20 <i>For Drain-Waste-Vent (DWV) Tubing Instead Of Type L, Deduct</i> -2.81	58.73	11.08
22 11 16 00-0765 LF 4" Inside Diameter Copper Pipe/Tubing Type L Assembly Note: Includes all hangers and couplings, elbow, tee, reducer fittings. All hangers are complete assemblies. Not for use where detail is available. <i>For Type K Tubing Instead Of Type L, Add</i> 9.44 <i>For Type M Tubing Instead Of Type L, Deduct</i> -6.99 <i>For Silver Solder Instead Of 95/5 Solder, Add</i> 8.20 <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> -6.22 <i>For Work In Restricted Working Space, Add</i> 11.89 <i>For Drain-Waste-Vent (DWV) Tubing Instead Of Type L, Deduct</i> -4.51	84.69	14.67
22 11 16 00-0766 LF 5" Inside Diameter Copper Pipe/Tubing Type L Assembly Note: Includes all hangers and couplings, elbow, tee, reducer fittings. All hangers are complete assemblies. Not for use where detail is available. <i>For Type K Tubing Instead Of Type L, Add</i> 23.87 <i>For Type M Tubing Instead Of Type L, Deduct</i> -17.06 <i>For Silver Solder Instead Of 95/5 Solder, Add</i> 13.89 <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> -11.35 <i>For Work In Restricted Working Space, Add</i> 15.26 <i>For Drain-Waste-Vent (DWV) Tubing Instead Of Type L, Deduct</i> -12.52	176.06	18.26



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0767	LF		6" Inside Diameter Copper Pipe/Tubing Type L Assembly Note: Includes all hangers and couplings, elbow, tee, reducer fittings. All hangers are complete assemblies. Not for use where detail is available.	210.08	22.05
			<i>For Type K Tubing Instead Of Type L, Add</i>	27.95	
			<i>For Type M Tubing Instead Of Type L, Deduct</i>	-20.04	
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	16.97	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-13.73	
			<i>For Work In Restricted Working Space, Add</i>	19.38	
			<i>For Drain-Waste-Vent (DWV) Tubing Instead Of Type L, Deduct</i>	-14.55	
22 11 16 00-0768	LF		8" Inside Diameter Copper Pipe/Tubing Type L Assembly Note: Includes all hangers and couplings, elbow, tee, reducer fittings. All hangers are complete assemblies. Not for use where detail is available.	384.09	26.36
			<i>For Type K Tubing Instead Of Type L, Add</i>	56.19	
			<i>For Type M Tubing Instead Of Type L, Deduct</i>	-39.67	
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	27.23	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-23.22	
			<i>For Work In Restricted Working Space, Add</i>	24.09	
			<i>For Drain-Waste-Vent (DWV) Tubing Instead Of Type L, Deduct</i>	-30.38	
22 11 16 00-0769			Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe And Fittings <small>(22 11 16)</small> Note: Socket weld.		
22 11 16 00-0770			Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe And Fittings <small>(22 11 16 00-0769)</small>		
22 11 16 00-0771			Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pipe <small>(22 11 16 00-0770)</small>		
22 11 16 00-0772	LF		1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe <i>For Work In Restricted Working Space, Add</i>	5.20 1.23	1.64
22 11 16 00-0773	LF		3/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe <i>For Work In Restricted Working Space, Add</i>	5.81 1.29	1.72
22 11 16 00-0774	LF		1" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe <i>For Work In Restricted Working Space, Add</i>	6.85 1.39	1.86
22 11 16 00-0775	LF		1-1/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe <i>For Work In Restricted Working Space, Add</i>	8.13 1.52	2.02
22 11 16 00-0776	LF		1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe <i>For Work In Restricted Working Space, Add</i>	9.31 1.68	2.23
22 11 16 00-0777	LF		2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe <i>For Work In Restricted Working Space, Add</i>	11.37 1.87	2.50
22 11 16 00-0778	LF		2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe <i>For Work In Restricted Working Space, Add</i>	14.96 2.13	2.85
22 11 16 00-0779	LF		3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe <i>For Work In Restricted Working Space, Add</i>	18.89 2.52	3.37
22 11 16 00-0780	LF		4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe <i>For Work In Restricted Working Space, Add</i>	25.71 3.10	4.13
22 11 16 00-0781	LF		6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe <i>For Work In Restricted Working Space, Add</i>	42.90 3.94	5.25
22 11 16 00-0782	LF		8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe <i>For Work In Restricted Working Space, Add</i>	61.13 5.17	6.90
22 11 16 00-0783			Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbows <small>(22 11 16 00-0770)</small>		
22 11 16 00-0784	EA		1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	21.21 5.84	7.79
22 11 16 00-0785	EA		3/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	27.30 7.39	9.84
22 11 16 00-0786	EA		1" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	35.11 9.26	12.30
22 11 16 00-0787	EA		1-1/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	46.73 11.57	15.38
22 11 16 00-0788	EA		1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	51.89 12.80	17.03
22 11 16 00-0789	EA		2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	60.03 14.28	17.03
22 11 16 00-0790	EA		2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	86.55 16.25	21.64
22 11 16 00-0791	EA		3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	99.20 19.20	25.65
22 11 16 00-0792	EA		4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	137.47 23.63	31.49
22 11 16 00-0793	EA		6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	173.68 30.03	40.00
22 11 16 00-0794	EA		8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	311.36 39.38	52.52
22 11 16 00-0795			Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbows <small>(22 11 16 00-0770)</small>		
22 11 16 00-0796	EA		1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	22.07 5.84	7.79
22 11 16 00-0797	EA		3/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	28.34 7.39	9.84
22 11 16 00-0798	EA		1" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	36.79 9.26	12.30



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0799 EA 1-1/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	48.94 11.57	15.38
22 11 16 00-0800 EA 1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	54.57 12.80	17.03
22 11 16 00-0801 EA 2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	60.94 14.28	19.08
22 11 16 00-0802 EA 2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	87.13 16.25	21.64
22 11 16 00-0803 EA 3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	99.12 19.20	25.65
22 11 16 00-0804 EA 4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	126.95 23.63	31.49
22 11 16 00-0805 EA 6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	193.40 30.03	40.00
22 11 16 00-0806 EA 8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	325.33 39.38	52.52
22 11 16 00-0807 Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tees (22 11 16 00-0770)		
22 11 16 00-0808 EA 1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee <i>For Work In Restricted Working Space, Add</i>	32.37 8.77	11.69
22 11 16 00-0809 EA 3/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee <i>For Work In Restricted Working Space, Add</i>	41.93 11.08	14.77
22 11 16 00-0810 EA 1" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee <i>For Work In Restricted Working Space, Add</i>	52.51 13.91	18.57
22 11 16 00-0811 EA 1-1/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee <i>For Work In Restricted Working Space, Add</i>	70.83 17.35	23.18
22 11 16 00-0812 EA 1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee <i>For Work In Restricted Working Space, Add</i>	78.88 19.20	25.65
22 11 16 00-0813 EA 2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee <i>For Work In Restricted Working Space, Add</i>	93.58 21.42	28.51
22 11 16 00-0814 EA 2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee <i>For Work In Restricted Working Space, Add</i>	117.69 24.37	32.51
22 11 16 00-0815 EA 3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee <i>For Work In Restricted Working Space, Add</i>	135.67 28.80	38.36
22 11 16 00-0816 EA 4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee <i>For Work In Restricted Working Space, Add</i>	165.01 35.45	47.28
22 11 16 00-0817 EA 6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee <i>For Work In Restricted Working Space, Add</i>	241.72 45.05	60.10
22 11 16 00-0818 EA 8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee <i>For Work In Restricted Working Space, Add</i>	459.08 59.08	78.77
22 11 16 00-0819 Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Crosses (22 11 16 00-0770)		
22 11 16 00-0820 EA 1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross <i>For Work In Restricted Working Space, Add</i>	41.68 11.69	15.59
22 11 16 00-0821 EA 3/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross <i>For Work In Restricted Working Space, Add</i>	53.54 14.77	19.69
22 11 16 00-0822 EA 1" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross <i>For Work In Restricted Working Space, Add</i>	67.06 18.53	24.72
22 11 16 00-0823 EA 1-1/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross <i>For Work In Restricted Working Space, Add</i>	88.32 23.14	30.87
22 11 16 00-0824 EA 1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross <i>For Work In Restricted Working Space, Add</i>	98.15 25.60	34.15
22 11 16 00-0825 EA 2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross <i>For Work In Restricted Working Space, Add</i>	114.30 28.55	38.05
22 11 16 00-0826 EA 2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross <i>For Work In Restricted Working Space, Add</i>	139.71 32.49	43.28
22 11 16 00-0827 EA 3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross <i>For Work In Restricted Working Space, Add</i>	162.16 38.40	51.18
22 11 16 00-0828 EA 4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross <i>For Work In Restricted Working Space, Add</i>	197.90 47.26	62.97
22 11 16 00-0829 EA 6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross <i>For Work In Restricted Working Space, Add</i>	279.07 60.06	80.10
22 11 16 00-0830 EA 8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross <i>For Work In Restricted Working Space, Add</i>	488.37 78.77	105.02
22 11 16 00-0831 Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld Reducing Inserts (22 11 16 00-0770)		
22 11 16 00-0832 EA 3/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Insert <i>For Work In Restricted Working Space, Add</i>	19.09 5.42	7.18
22 11 16 00-0833 EA 1" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Insert <i>For Work In Restricted Working Space, Add</i>	26.32 7.29	9.74
22 11 16 00-0834 EA 1-1/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Insert <i>For Work In Restricted Working Space, Add</i>	41.00 9.54	12.72
22 11 16 00-0835 EA 1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Insert <i>For Work In Restricted Working Space, Add</i>	46.04 10.55	14.05
22 11 16 00-0836 EA 2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Insert <i>For Work In Restricted Working Space, Add</i>	53.54 11.78	15.69
22 11 16 00-0837 EA 2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Insert <i>For Work In Restricted Working Space, Add</i>	58.98 13.42	17.84



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0838	EA		3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Insert..... <i>For Work In Restricted Working Space, Add</i>	71.08 15.85	21.13
22 11 16 00-0839	EA		4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Insert..... <i>For Work In Restricted Working Space, Add</i>	94.28 19.51	25.95
22 11 16 00-0840	EA		6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Insert..... <i>For Work In Restricted Working Space, Add</i>	144.89 24.77	33.02
22 11 16 00-0841	EA		8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Insert..... <i>For Work In Restricted Working Space, Add</i>	295.82 32.49	43.28
22 11 16 00-0842			Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Or Male Thread Reducing Inserts <small>(22 11 16 00-0770)</small>		
22 11 16 00-0843	EA		1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Or Male Threaded Reducing Insert <i>For Work In Restricted Working Space, Add</i>	19.58 3.85	5.13
22 11 16 00-0844	EA		3/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Or Male Threaded Reducing Insert <i>For Work In Restricted Working Space, Add</i>	25.34 5.42	7.18
22 11 16 00-0845	EA		1" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Or Male Threaded Reducing Insert <i>For Work In Restricted Working Space, Add</i>	32.12 7.29	9.74
22 11 16 00-0846	EA		1-1/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Or Male Threaded Reducing Insert <i>For Work In Restricted Working Space, Add</i>	40.50 9.54	12.72
22 11 16 00-0847	EA		1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Or Male Threaded Reducing Insert <i>For Work In Restricted Working Space, Add</i>	46.78 10.55	14.05
22 11 16 00-0848	EA		2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Or Male Threaded Reducing Insert <i>For Work In Restricted Working Space, Add</i>	57.23 11.78	15.69
22 11 16 00-0849	EA		2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Or Male Threaded Reducing Insert <i>For Work In Restricted Working Space, Add</i>	83.08 13.42	17.84
22 11 16 00-0850	EA		3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Or Male Threaded Reducing Insert <i>For Work In Restricted Working Space, Add</i>	153.02 15.85	21.13
22 11 16 00-0851	EA		4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Or Male Threaded Reducing Insert <i>For Work In Restricted Working Space, Add</i>	222.94 19.51	25.95
22 11 16 00-0852			Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Male Thread Male Adapters <small>(22 11 16 00-0770)</small>		
22 11 16 00-0853	EA		1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Male Thread Male Adapters..... <i>For Work In Restricted Working Space, Add</i>	15.41 3.85	5.13
22 11 16 00-0854	EA		3/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Male Thread Male Adapters..... <i>For Work In Restricted Working Space, Add</i>	21.56 5.42	7.18
22 11 16 00-0855	EA		1" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Male Thread Male Adapters..... <i>For Work In Restricted Working Space, Add</i>	30.20 7.29	9.74
22 11 16 00-0856	EA		1-1/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Male Thread Male Adapters..... <i>For Work In Restricted Working Space, Add</i>	40.50 9.54	12.72
22 11 16 00-0857	EA		1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Male Thread Male Adapters..... <i>For Work In Restricted Working Space, Add</i>	46.95 10.55	14.05
22 11 16 00-0858	EA		2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Male Thread Male Adapters..... <i>For Work In Restricted Working Space, Add</i>	55.19 11.78	15.69
22 11 16 00-0859	EA		2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Male Thread Male Adapters..... <i>For Work In Restricted Working Space, Add</i>	74.84 13.42	17.84
22 11 16 00-0860	EA		3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Male Thread Male Adapters..... <i>For Work In Restricted Working Space, Add</i>	89.24 15.85	21.13
22 11 16 00-0861	EA		4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Male Thread Male Adapters..... <i>For Work In Restricted Working Space, Add</i>	126.60 19.51	25.95
22 11 16 00-0862			Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Thread Female Adapters <small>(22 11 16 00-0770)</small>		
22 11 16 00-0863	EA		1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Thread Female Adapters <i>For Work In Restricted Working Space, Add</i>	16.39 3.85	5.13
22 11 16 00-0864	EA		3/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Thread Female Adapters <i>For Work In Restricted Working Space, Add</i>	21.87 5.42	7.18
22 11 16 00-0865	EA		1" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Thread Female Adapters <i>For Work In Restricted Working Space, Add</i>	30.29 7.29	9.74
22 11 16 00-0866	EA		1-1/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Thread Female Adapters <i>For Work In Restricted Working Space, Add</i>	40.79 9.54	12.72
22 11 16 00-0867	EA		1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Thread Female Adapters <i>For Work In Restricted Working Space, Add</i>	45.63 10.55	14.05
22 11 16 00-0868	EA		2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Thread Female Adapters <i>For Work In Restricted Working Space, Add</i>	54.11 11.78	15.69
22 11 16 00-0869	EA		2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Thread Female Adapters <i>For Work In Restricted Working Space, Add</i>	75.46 13.42	17.84
22 11 16 00-0870	EA		3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Thread Female Adapters <i>For Work In Restricted Working Space, Add</i>	100.12 15.85	21.13
22 11 16 00-0871	EA		4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Thread Female Adapters <i>For Work In Restricted Working Space, Add</i>	145.09 19.51	25.95
22 11 16 00-0872			Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Couplings <small>(22 11 16 00-0770)</small>		

22	Plumbing
22 10	Plumbing Piping
22 11	Facility Water Distribution



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0873	EA		1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Couplings.....	13.89	4.71
			<i>For Work In Restricted Working Space, Add</i>	3.51	
22 11 16 00-0874	EA		3/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Couplings.....	19.52	6.56
			<i>For Work In Restricted Working Space, Add</i>	4.92	
22 11 16 00-0875	EA		1" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Couplings.....	26.24	8.82
			<i>For Work In Restricted Working Space, Add</i>	6.62	
22 11 16 00-0876	EA		1-1/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Couplings.....	35.17	11.59
			<i>For Work In Restricted Working Space, Add</i>	8.68	
22 11 16 00-0877	EA		1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Couplings.....	39.88	12.82
			<i>For Work In Restricted Working Space, Add</i>	9.60	
22 11 16 00-0878	EA		2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Couplings.....	44.84	14.26
			<i>For Work In Restricted Working Space, Add</i>	10.71	
22 11 16 00-0879	EA		2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Couplings.....	62.56	16.21
			<i>For Work In Restricted Working Space, Add</i>	12.18	
22 11 16 00-0880	EA		3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Couplings.....	70.16	19.18
			<i>For Work In Restricted Working Space, Add</i>	14.40	
22 11 16 00-0881	EA		4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Couplings.....	88.11	23.59
			<i>For Work In Restricted Working Space, Add</i>	17.72	
22 11 16 00-0882	EA		6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Couplings.....	132.37	30.05
			<i>For Work In Restricted Working Space, Add</i>	22.52	
22 11 16 00-0883	EA		8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Couplings.....	214.54	39.39
			<i>For Work In Restricted Working Space, Add</i>	29.54	
22 11 16 00-0884			Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Unions (22 11 16 00-0770)		
22 11 16 00-0885	EA		1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Unions.....	23.44	5.64
			<i>For Work In Restricted Working Space, Add</i>	4.22	
22 11 16 00-0886	EA		3/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Unions.....	29.54	7.90
			<i>For Work In Restricted Working Space, Add</i>	5.91	
22 11 16 00-0887	EA		1" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Unions.....	36.62	10.57
			<i>For Work In Restricted Working Space, Add</i>	7.94	
22 11 16 00-0888	EA		1-1/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Unions.....	58.55	13.84
			<i>For Work In Restricted Working Space, Add</i>	10.40	
22 11 16 00-0889	EA		1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Unions.....	62.68	15.38
			<i>For Work In Restricted Working Space, Add</i>	11.51	
22 11 16 00-0890	EA		2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Unions.....	83.23	17.13
			<i>For Work In Restricted Working Space, Add</i>	12.86	
22 11 16 00-0891	EA		2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Unions.....	132.39	19.48
			<i>For Work In Restricted Working Space, Add</i>	14.62	
22 11 16 00-0892	EA		3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Unions.....	184.08	23.08
			<i>For Work In Restricted Working Space, Add</i>	17.29	
22 11 16 00-0893	EA		4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Unions.....	285.81	28.31
			<i>For Work In Restricted Working Space, Add</i>	21.26	
22 11 16 00-0894	EA		6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Unions.....	380.34	36.00
			<i>For Work In Restricted Working Space, Add</i>	27.02	
22 11 16 00-0895	EA		8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Unions.....	472.75	47.28
			<i>For Work In Restricted Working Space, Add</i>	35.45	
22 11 16 00-0896			Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Caps (22 11 16 00-0770)		
22 11 16 00-0897	EA		1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap.....	7.38	1.54
			<i>For Work In Restricted Working Space, Add</i>	1.17	
22 11 16 00-0898	EA		3/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap.....	13.14	3.28
			<i>For Work In Restricted Working Space, Add</i>	2.46	
22 11 16 00-0899	EA		1" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap.....	21.95	5.34
			<i>For Work In Restricted Working Space, Add</i>	3.97	
22 11 16 00-0900	EA		1-1/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap.....	24.03	5.74
			<i>For Work In Restricted Working Space, Add</i>	4.34	
22 11 16 00-0901	EA		1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap.....	25.75	6.36
			<i>For Work In Restricted Working Space, Add</i>	4.80	
22 11 16 00-0902	EA		2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap.....	33.54	7.18
			<i>For Work In Restricted Working Space, Add</i>	5.35	
22 11 16 00-0903	EA		2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap.....	48.58	8.10
			<i>For Work In Restricted Working Space, Add</i>	6.09	
22 11 16 00-0904	EA		3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap.....	52.92	9.64
			<i>For Work In Restricted Working Space, Add</i>	7.20	
22 11 16 00-0905	EA		4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap.....	78.32	11.79
			<i>For Work In Restricted Working Space, Add</i>	8.86	
22 11 16 00-0906	EA		6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap.....	158.92	14.98
			<i>For Work In Restricted Working Space, Add</i>	11.26	
22 11 16 00-0907	EA		8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap.....	205.09	19.69
			<i>For Work In Restricted Working Space, Add</i>	14.77	
22 11 16 00-0908			Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 150 LB Flanges (22 11 16 00-0770)		
22 11 16 00-0909	EA		1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 150 LB Flanges.....	17.72	3.69
			<i>For Work In Restricted Working Space, Add</i>	2.80	
22 11 16 00-0910	EA		3/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 150 LB Flanges.....	22.12	5.23
			<i>For Work In Restricted Working Space, Add</i>	3.94	
22 11 16 00-0911	EA		1" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 150 LB Flanges.....	27.65	7.08
			<i>For Work In Restricted Working Space, Add</i>	5.29	
22 11 16 00-0912	EA		1-1/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 150 LB Flanges.....	33.48	9.23
			<i>For Work In Restricted Working Space, Add</i>	6.95	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0913	EA		1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 150 LB Flanges <i>For Work In Restricted Working Space, Add</i>	36.19 7.70	10.25
22 11 16 00-0914	EA		2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 150 LB Flanges..... <i>For Work In Restricted Working Space, Add</i>	42.53 8.55	11.38
22 11 16 00-0915	EA		2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 150 LB Flanges <i>For Work In Restricted Working Space, Add</i>	54.39 9.75	13.03
22 11 16 00-0916	EA		3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 150 LB Flanges..... <i>For Work In Restricted Working Space, Add</i>	62.22 11.51	15.38
22 11 16 00-0917	EA		4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 150 LB Flanges..... <i>For Work In Restricted Working Space, Add</i>	77.52 14.18	18.87
22 11 16 00-0918	EA		6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 150 LB Flanges..... <i>For Work In Restricted Working Space, Add</i>	107.64 18.03	24.00
22 11 16 00-0919	EA		8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 150 LB Flanges..... <i>For Work In Restricted Working Space, Add</i>	186.01 23.63	31.49
22 11 16 00-0920			Cross-Linked Polyethylene Tubing, ASTM F877 (22 11 16) Note: Aboveground, domestic water usage.		
22 11 16 00-0921			Cross-Linked Polyethylene Tubing (22 11 16 00-0920)		
22 11 16 00-0922	LF		3/8" Cross-Linked Polyethylene Tubing..... <i>For Work In Restricted Working Space, Add</i>	3.58 0.97	
22 11 16 00-0923	LF		1/2" Cross-Linked Polyethylene Tubing..... <i>For Work In Restricted Working Space, Add</i>	3.88 1.05	
22 11 16 00-0924	LF		3/4" Cross-Linked Polyethylene Tubing..... <i>For Work In Restricted Working Space, Add</i>	4.48 1.13	
22 11 16 00-0925	LF		1" Cross-Linked Polyethylene Tubing..... <i>For Work In Restricted Working Space, Add</i>	5.20 1.19	
22 11 16 00-0926			Cross-Linked Polyethylene Forged Brass PEX Fittings (22 11 16 00-0926) Note: Aboveground, domestic water usage.		
22 11 16 00-0927			Male Adapters (22 11 16 00-0926)		
22 11 16 00-0928	EA		3/8" x 1/2", (PE x Threaded) Male Adapter For PEX Tubing..... <i>For Work In Restricted Working Space, Add</i>	18.15 5.01	
22 11 16 00-0929	EA		1/2" x 1/2", (PE x Threaded) Male Adapter For PEX Tubing..... <i>For Work In Restricted Working Space, Add</i>	19.44 5.35	
22 11 16 00-0930	EA		1/2" x 3/4", (PE x Threaded) Male Adapter For PEX Tubing..... <i>For Work In Restricted Working Space, Add</i>	20.88 5.68	
22 11 16 00-0931	EA		3/4" x 3/4", (PE x Threaded) Male Adapter For PEX Tubing..... <i>For Work In Restricted Working Space, Add</i>	22.00 6.02	
22 11 16 00-0932	EA		3/4" x 1/2", (PE x Threaded) Male Adapter For PEX Tubing..... <i>For Work In Restricted Working Space, Add</i>	20.88 5.68	
22 11 16 00-0933	EA		1" x 1", (PE x Threaded) Male Adapter For PEX Tubing..... <i>For Work In Restricted Working Space, Add</i>	25.71 6.69	
22 11 16 00-0934			Female Adapters (22 11 16 00-0926)		
22 11 16 00-0935	EA		1/2" x 1/2", (PE x Threaded) Female Adapter For PEX Tubing <i>For Work In Restricted Working Space, Add</i>	19.60 5.35	
22 11 16 00-0936	EA		1/2" x 3/4", (PE x Threaded) Female Adapter For PEX Tubing <i>For Work In Restricted Working Space, Add</i>	21.34 5.68	
22 11 16 00-0937	EA		3/4" x 3/4", (PE x Threaded) Female Adapter For PEX Tubing <i>For Work In Restricted Working Space, Add</i>	22.46 6.02	
22 11 16 00-0938	EA		3/4" x 1/2", (PE x Threaded) Female Adapter For PEX Tubing <i>For Work In Restricted Working Space, Add</i>	21.34 5.68	
22 11 16 00-0939	EA		1" x 1", (PE x Threaded) Female Adapter For PEX Tubing <i>For Work In Restricted Working Space, Add</i>	25.92 6.69	
22 11 16 00-0940			Tube Adapters (22 11 16 00-0926)		
22 11 16 00-0941	EA		3/8" x 1/2" Tube Adapter For PEX Tubing <i>For Work In Restricted Working Space, Add</i>	17.47 5.01	
22 11 16 00-0942	EA		1/2" Tube Adapter For PEX Tubing <i>For Work In Restricted Working Space, Add</i>	18.59 5.35	
22 11 16 00-0943	EA		3/4" Tube Adapter For PEX Tubing <i>For Work In Restricted Working Space, Add</i>	21.46 6.02	
22 11 16 00-0944	EA		1" Tube Adapter For PEX Tubing <i>For Work In Restricted Working Space, Add</i>	25.28 6.69	
22 11 16 00-0945			Plugs (22 11 16 00-0926)		
22 11 16 00-0946	EA		3/8" Plug For PEX Tubing..... <i>For Work In Restricted Working Space, Add</i>	8.39 2.34	
22 11 16 00-0947	EA		1/2" Plug For PEX Tubing..... <i>For Work In Restricted Working Space, Add</i>	9.50 2.67	
22 11 16 00-0948	EA		3/4" Plug For PEX Tubing..... <i>For Work In Restricted Working Space, Add</i>	10.79 3.01	
22 11 16 00-0949	EA		1" Plug For PEX Tubing..... <i>For Work In Restricted Working Space, Add</i>	12.54 3.34	

22	Plumbing
22 10	Plumbing Piping
22 11	Facility Water Distribution



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0950 Tees <small>(22 11 16 00-0926)</small>		
22 11 16 00-0951 EA 3/8" Tee For PEX Tubing.....	24.64	
For Work In Restricted Working Space, Add	7.02	
22 11 16 00-0952 EA 1/2" Tee For PEX Tubing.....	27.97	
For Work In Restricted Working Space, Add	8.02	
22 11 16 00-0953 EA 3/4" Tee For PEX Tubing.....	32.16	
For Work In Restricted Working Space, Add	9.03	
22 11 16 00-0954 EA 1" Tee For PEX Tubing.....	37.86	
For Work In Restricted Working Space, Add	10.03	
22 11 16 00-0955 EA 1/2" Reducing Tee For PEX Tubing.....	26.86	
For Work In Restricted Working Space, Add	7.69	
22 11 16 00-0956 EA 3/4" Reducing Tee For PEX Tubing.....	29.93	
For Work In Restricted Working Space, Add	8.36	
22 11 16 00-0957 EA 1" Reducing Tee For PEX Tubing.....	34.19	
For Work In Restricted Working Space, Add	9.03	
22 11 16 00-0958 Couplings <small>(22 11 16 00-0926)</small>		
22 11 16 00-0959 EA 3/8" Coupling For PEX Tubing.....	16.23	
For Work In Restricted Working Space, Add	4.68	
22 11 16 00-0960 EA 1/2" Coupling For PEX Tubing.....	18.50	
For Work In Restricted Working Space, Add	5.35	
22 11 16 00-0961 EA 3/4" Coupling For PEX Tubing.....	20.94	
For Work In Restricted Working Space, Add	6.02	
22 11 16 00-0962 EA 1" Coupling For PEX Tubing.....	24.15	
For Work In Restricted Working Space, Add	6.69	
22 11 16 00-0963 EA 3/4" x 1/2" Reducing Coupling For PEX Tubing.....	19.82	
For Work In Restricted Working Space, Add	5.68	
22 11 16 00-0964 EA 1" x 3/4" Reducing Coupling For PEX Tubing.....	23.03	
For Work In Restricted Working Space, Add	6.35	
22 11 16 00-0965 Fitting Reducers <small>(22 11 16 00-0926)</small>		
22 11 16 00-0966 EA 3/8" x 1/2" Fitting Reducer For PEX Tubing.....	17.59	
For Work In Restricted Working Space, Add	5.01	
22 11 16 00-0967 EA 1/2" Fitting Reducer For PEX Tubing.....	18.71	
For Work In Restricted Working Space, Add	5.35	
22 11 16 00-0968 EA 3/4" Fitting Reducer For PEX Tubing.....	21.71	
For Work In Restricted Working Space, Add	6.02	
22 11 16 00-0969 EA 1" Fitting Reducer For PEX Tubing.....	26.72	
For Work In Restricted Working Space, Add	6.69	
22 11 16 00-0970 90 Degree Elbows <small>(22 11 16 00-0926)</small>		
22 11 16 00-0971 EA 3/8" 90 Degree Elbow For PEX Tubing.....	16.61	
For Work In Restricted Working Space, Add	4.68	
22 11 16 00-0972 EA 1/2" 90 Degree Elbow For PEX Tubing.....	18.84	
For Work In Restricted Working Space, Add	5.35	
22 11 16 00-0973 EA 3/4" 90 Degree Elbow For PEX Tubing.....	21.71	
For Work In Restricted Working Space, Add	6.02	
22 11 16 00-0974 EA 3/4" x 1/2" 90 Degree Elbow For PEX Tubing.....	20.59	
For Work In Restricted Working Space, Add	5.68	
22 11 16 00-0975 EA 1/2" Drop 90 Degree Elbow For PEX Tubing.....	21.46	
For Work In Restricted Working Space, Add	5.35	
22 11 16 00-0976 EA 3/4" Drop 90 Degree Elbow For PEX Tubing.....	24.07	
For Work In Restricted Working Space, Add	6.02	
22 11 16 00-0977 EA 3/4" x 1/2" Drop 90 Degree Elbow For PEX Tubing.....	22.95	
For Work In Restricted Working Space, Add	5.68	
22 11 19 Domestic Water Piping Specialties <small>(22 11)</small>		
22 11 19 00-0001 Rubber Hose And Clamps <small>(22 11 19)</small>		
22 11 19 00-0002 General Purpose Hose <small>(22 11 19 00-0001)</small>		
Note: For medium pressure (up to 200/250 psi) applications requiring excellent resistance to air, oil and heat.		
22 11 19 00-0003 LF 3/8" Inside Diameter Ethylene Propylene Diene Monomer (EPDM) Rubber Hose And Clamp.....	10.24	2.23
22 11 19 00-0004 LF 1/2" Inside Diameter Ethylene Propylene Diene Monomer (EPDM) Rubber Hose And Clamp.....	10.31	2.23
22 11 19 00-0005 LF 5/8" Inside Diameter Ethylene Propylene Diene Monomer (EPDM) Rubber Hose And Clamp.....	10.47	2.23
22 11 19 00-0006 LF 3/4" Inside Diameter Ethylene Propylene Diene Monomer (EPDM) Rubber Hose And Clamp.....	10.43	2.23
22 11 19 00-0007 LF 1" Inside Diameter Ethylene Propylene Diene Monomer (EPDM) Rubber Hose And Clamp.....	13.04	3.33
22 11 19 00-0008 LF 1-1/4" Inside Diameter Ethylene Propylene Diene Monomer (EPDM) Rubber Hose And Clamp.....	14.59	3.33
22 11 19 00-0009 LF 1-1/2" Inside Diameter Ethylene Propylene Diene Monomer (EPDM) Rubber Hose And Clamp.....	17.06	4.44
22 11 19 00-0010 Chemical Resistant Rubber Hoses <small>(22 11 19 00-0001)</small>		
22 11 19 00-0011 EA 50' x 6" Brown Gum Rubber, Chemical Resistant Flexible Hose.....	1,198.23	259.75
22 11 19 00-0012 EA 50' x 6" Nitrile Rubber, Low pH Resistance, Flexible Hose.....	1,642.92	259.75
22 11 19 00-0013 Water Pump Hose <small>(22 11 19 00-0001)</small>		
22 11 19 00-0014 EA 2" Inside Diameter, 20' Rubber Discharge Hose.....	217.57	67.93



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 19 00-0015	EA		2" Inside Diameter, 20' Rubber Intake Hose.....	223.89	67.93
22 11 19 00-0016			Serrated Shank Nipple (22 11 19 00-0001) Note: For use as medium pressure coupling.		
22 11 19 00-0017	EA		3/8" Inside Diameter Hose x 1/2" Male Pipe Thread Serrated Shank Nipple.....	23.98	5.56
22 11 19 00-0018	EA		1/2" Inside Diameter Hose x 5/8" Male Pipe Thread Serrated Shank Nipple.....	23.89	5.56
22 11 19 00-0019	EA		5/8" Inside Diameter Hose x 3/4" Male Pipe Thread Serrated Shank Nipple.....	23.89	5.56
22 11 19 00-0020	EA		3/4" Inside Diameter Hose x 1" Male Pipe Thread Serrated Shank Nipple.....	30.12	7.78
22 11 19 00-0021	EA		1" Inside Diameter Hose x 1-1/4" Male Pipe Thread Serrated Shank Nipple.....	31.59	7.78
22 11 19 00-0022	EA		1-1/4" Inside Diameter Hose x 1-1/2" Male Pipe Thread Serrated Shank Nipple.....	59.84	14.46
22 11 19 00-0023	EA		1-1/2" Inside Diameter Hose x 2" Male Pipe Thread Serrated Shank Nipple.....	74.42	17.79
22 11 19 00-0024			Worm-Drive Hose Clamp (22 11 19 00-0001)		
22 11 19 00-0025	EA		3/8" To 1" Diameter Worm Drive Hose Clamp.....	11.22	3.33
22 11 19 00-0026	EA		1/2" To 1-1/6" Diameter Worm Drive Hose Clamp.....	11.87	3.33
22 11 19 00-0027	EA		5/8" To 1-1/2" Diameter Worm Drive Hose Clamp.....	12.59	3.33
22 11 19 00-0028	EA		3/4" To 2" Diameter Worm Drive Hose Clamp.....	13.41	3.33
22 11 19 00-0029	EA		1" To 2-1/2" Diameter Worm Drive Hose Clamp.....	14.36	3.33
22 11 19 00-0030	EA		1-1/4" To 2-3/4" Diameter Worm Drive Hose Clamp.....	15.50	4.44
22 11 19 00-0031	EA		1-1/2" To 3" Diameter Worm Drive Hose Clamp.....	16.77	4.44
22 11 19 00-0032			Trap Primer And Accessories (22 11 19)		
22 11 19 00-0033			Trap Primer (22 11 19 00-0032)		
22 11 19 00-0034	EA		1/2" Inlet/Outlet, Flow Through Automatic Trap Primer (JR Smith 2699).....	154.91	16.71
22 11 19 00-0035	EA		1/2" Inlet/Outlet, Automatic Trap Primer, Up To Two Floor Drains (PPP PR-500).....	96.62	11.14
22 11 19 00-0036	EA		1/2" Inlet/Outlet, Automatic Trap Primer, Up To Four Floor Drains (PPP PO-500).....	94.21	11.14
22 11 19 00-0037			Trap Primer Distribution Unit (22 11 19 00-0032)		
22 11 19 00-0038	EA		Molded Plastic Four Opening Trap Primer Distribution Unit (PPP DU-U)..... Note: Can be used for two, three or four drains.	104.44	22.29
22 11 19 00-0039	EA		Copper Four Opening Trap Primer Distribution Unit (PPP DU-4)..... Note: Can be used for two, three or four drains.	110.93	22.29
22 11 19 00-0040			Trap Primer Manifold (22 11 19 00-0032)		
22 11 19 00-0041	EA		Two Outlet Manifold.....	127.57	29.98
22 11 19 00-0042	EA		Four Outlet Manifold.....	182.71	34.10
22 11 19 00-0043	EA		Six Outlet Manifold.....	234.80	36.11
22 11 19 00-0044	EA		Eight Outlet Manifold.....	292.48	42.35
22 11 19 00-0045			Sewage Air Release Valves (22 11 19)		
22 11 19 00-0046			Cast Iron, Sewage Air Release Valves (22 11 19 00-0045) Note: Stainless steel float.		
22 11 19 00-0047	EA		2" x 1/2" NPT, Cast Iron, Sewage Air Release Valve (Apco 400)..... <i>For Back Flush Attachment, Add</i>	704.21 650.00	40.68
22 11 19 00-0048	EA		3" x 1/2" NPT, Cast Iron, Sewage Air Release Valve (Apco 400)..... <i>For Back Flush Attachment, Add</i>	873.76 650.00	67.99
22 11 19 00-0049	EA		4" x 1/2" NPT, Cast Iron, Sewage Air Release Valve (Apco 400)..... <i>For Back Flush Attachment, Add</i>	1,107.77 650.00	85.83
22 11 19 00-0050			Cast Iron, Sewage Air Vacuum Valves (22 11 19 00-0045) Note: Stainless steel float.		
22 11 19 00-0051	EA		2" x 1" NPT, Cast Iron, Sewage Air Vacuum Valve (Apco 401)..... <i>For Back Flush Attachment, Add</i>	719.04 650.00	40.68
22 11 19 00-0052	EA		2" x 2" NPT, Cast Iron, Sewage Air Vacuum Valve (Apco 402)..... <i>For Back Flush Attachment, Add</i>	1,390.08 650.00	40.68
22 11 19 00-0053	EA		3" x 2" NPT, Cast Iron, Sewage Air Vacuum Valve (Apco 403)..... <i>For Back Flush Attachment, Add</i>	1,678.27 650.00	67.99
22 11 19 00-0054	EA		4" NPT x 4" With Hood, Cast Iron, Sewage Air Vacuum Valve (Apco 404).....	2,477.65	85.83
22 11 19 00-0055			Cast Iron, Sewage Combination Air Valves (22 11 19 00-0045) Note: Stainless steel float.		
22 11 19 00-0056	EA		2" x 1" NPT, Sewage Combination Air Valve (Apco 443).....	1,512.43	40.68
22 11 19 00-0057	EA		2" x 2" NPT, Sewage Combination Air Valve (Apco 445).....	2,077.80	40.68
22 11 19 00-0058	EA		3" x 3" NPT, Sewage Combination Air Valve (Apco 447).....	2,441.99	67.99
22 11 19 00-0059	EA		4" x 4" NPT, Sewage Combination Air Valve (Apco 449).....	2,987.42	85.83
22 11 19 00-0060			Brass, Anti Siphon Vacuum Breakers (22 11 19) Note: Watts 288A		
22 11 19 00-0061	EA		1/2" Brass, Anti Siphon Vacuum Breaker.....	76.26	27.86
22 11 19 00-0062	EA		3/4" Brass, Anti Siphon Vacuum Breaker.....	86.43	31.20
22 11 19 00-0063	EA		1" Brass, Anti Siphon Vacuum Breaker.....	144.94	35.66



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 19 00-0064	EA		1-1/4" Brass, Anti Siphon Vacuum Breaker	213.02	41.23
22 11 19 00-0065	EA		1-1/2" Brass, Anti Siphon Vacuum Breaker	253.20	45.68
22 11 19 00-0066	EA		2" Brass, Anti Siphon Vacuum Breaker.....	356.81	55.71
22 11 19 00-0067	EA		2-1/2" Brass, Anti Siphon Vacuum Breaker	849.72	69.64
22 11 19 00-0068			Anti Siphon Pressure Vacuum Breakers (22 11 19)		
			Note: Watts 800M4QT		
22 11 19 00-0069	EA		1/2" Anti Siphon Pressure Type Vacuum Breaker	163.30	27.86
22 11 19 00-0070	EA		3/4" Anti Siphon Pressure Type Vacuum Breaker	150.18	31.20
22 11 19 00-0071	EA		1" Anti Siphon Pressure Type Vacuum Breaker	204.15	35.66
22 11 19 00-0072	EA		1-1/4" Anti Siphon Pressure Type Vacuum Breaker	343.27	41.23
22 11 19 00-0073	EA		1-1/2" Anti Siphon Pressure Type Vacuum Breaker	415.75	45.68
22 11 19 00-0074	EA		2" Anti Siphon Pressure Type Vacuum Breaker	429.62	55.71
22 11 19 00-0075			Bellows Type Water Hammer Arrestors (22 11 19)		
22 11 19 00-0076	EA		Up To 11 Fixture Unit Capacity, 3/4" Nipple, Stainless Steel, Hydrotrol Water Hammer Arrestor (Jay R. Smith® 5005)	135.95	13.33
22 11 19 00-0077	EA		>11 To 32 Fixture Unit Capacity, 1" Nipple, Stainless Steel, Hydrotrol Water Hammer Arrestor (Jay R. Smith® 5010)	254.69	16.12
22 11 19 00-0078	EA		>32 To 60 Fixture Unit Capacity, 1" Nipple, Stainless Steel, Hydrotrol Water Hammer Arrestor (Jay R. Smith® 5020)	364.96	16.12
22 11 19 00-0079	EA		>60 To 113 Fixture Unit Capacity, 1" Nipple, Stainless Steel, Hydrotrol Water Hammer Arrestor (Jay R. Smith® 5030)	866.38	16.12
22 11 19 00-0080	EA		>113 To 154 Fixture Unit Capacity, 1" Nipple, Stainless Steel, Hydrotrol Water Hammer Arrestor (Jay R. Smith® 5040)	973.79	16.12
22 11 19 00-0081	EA		>154 To 330 Fixture Unit Capacity, 1" Nipple, Stainless Steel, Hydrotrol Water Hammer Arrestor (Jay R. Smith® 5050)	1,189.23	16.12
22 11 19 00-0082			Piston Type Water Hammer Arrestors (22 11 19)		
22 11 19 00-0083			Threaded Piston Type Water Hammer Arrestors (22 11 19 00-0082)		
22 11 19 00-0084	EA		Up To 11 Fixture Unit Capacity, 1/2" M.P.T Brass Connection, Copper Body, Piston Type Water Hammer Arrestor (MI Fab MWH-A).....	81.40	7.43
22 11 19 00-0085	EA		>11 To 32 Fixture Unit Capacity, 3/4" M.P.T Brass Connection, Copper Body, Piston Type Water Hammer Arrestor (MI Fab MWH-B).....	150.23	8.57
22 11 19 00-0086	EA		>32 To 60 Fixture Unit Capacity, 1" M.P.T Brass Connection, Copper Body, Piston Type Water Hammer Arrestor (MI Fab MWH-C).....	219.57	9.29
22 11 19 00-0087	EA		>60 To 113 Fixture Unit Capacity, 1-1/4" M.P.T Brass Connection, Copper Body, Piston Type Water Hammer Arrestor (MI Fab MWH-D).....	528.48	11.98
22 11 19 00-0088	EA		>113 To 154 Fixture Unit Capacity, 1-1/2" M.P.T Brass Connection, Copper Body, Piston Type Water Hammer Arrestor (MI Fab MWH-E).....	643.96	14.85
22 11 19 00-0089	EA		>154 To 330 Fixture Unit Capacity, 2" M.P.T Brass Connection, Copper Body, Piston Type Water Hammer Arrestor (MI Fab MWH-F).....	731.93	16.12
22 11 19 00-0090			Wall Hydrants (22 11 19)		
			Note: Female inlet connection, 3/4" hose thread outlet.		
22 11 19 00-0091			Cast Bronze, Non-Freeze, Stainless Steel Box, Integral Vacuum Breaker Wall Hydrants (22 11 19 00-0090)		
			Note: 3/4" HPT outlet. 3/4" NPT female and 1" NPT male inlet connection. Includes wall clamp.		
22 11 19 00-0092	EA		6" Thick Wall, Cast Bronze, Non Freeze, Stainless Steel Box, Integral Vacuum Breaker Wall Hydrant	490.41	27.86
			For Cast Bronze Box, Add	23.04	
			For 1" NPT Outlet, Add	54.31	
22 11 19 00-0093	EA		12" Thick Wall, Cast Bronze, Non Freeze, Stainless Steel Box, Integral Vacuum Breaker Wall Hydrant	522.56	33.43
			For Cast Bronze Box, Add	23.04	
			For 1" NPT Outlet, Add	54.31	
22 11 19 00-0094	EA		18" Thick Wall, Cast Bronze, Non Freeze, Stainless Steel Box, Integral Vacuum Breaker Wall Hydrant	545.39	40.23
			For Cast Bronze Box, Add	23.04	
			For 1" NPT Outlet, Add	54.31	
22 11 19 00-0095			Cast Bronze, Stainless Steel Box, Integral Vacuum Breaker Wall Hydrants (22 11 19 00-0090)		
			Note: 3/4" HPT outlet. 3/4" NPT female and 1" NPT male inlet connection. Includes wall clamp.		
22 11 19 00-0096	EA		Cast Bronze, Stainless Steel Box, Integral Vacuum Breaker Wall Hydrant	532.22	46.80
			For Cast Bronze Box, Add	23.04	
			For 1" NPT Outlet, Add	54.31	
22 11 19 00-0097			Cast Bronze Non-Freezing Wall Hydrant (22 11 19 00-0090)		
			Note: 3/4" HPT outlet. 3/4" NPT female and 1" NPT male inlet connection. Includes wall clamp.		
22 11 19 00-0098	EA		3" Thick Wall, Cast Bronze, Non Freeze, Nikaloy Face, Integral Vacuum Breaker Wall Hydrant	303.63	34.54
			For 1" NPT Outlet, Add	54.31	
22 11 19 00-0099	EA		4" Thick Wall, Cast Bronze, Non Freeze, Nikaloy Face, Integral Vacuum Breaker Wall Hydrant	361.98	34.54
			For 1" NPT Outlet, Add	54.31	
22 11 19 00-0100	EA		6" Thick Wall, Cast Bronze, Non Freeze, Nikaloy Face, Integral Vacuum Breaker Wall Hydrant	361.98	34.54
			For 1" NPT Outlet, Add	54.31	
22 11 19 00-0101	EA		8" Thick Wall, Cast Bronze, Non Freeze, Nikaloy Face, Integral Vacuum Breaker Wall Hydrant	361.98	34.54
			For 1" NPT Outlet, Add	54.31	



Plumbing	22	22
Plumbing Piping	22 10	
Facility Water Distribution	22 11	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 19 00-0102 EA 10" Thick Wall, Cast Bronze, Non Freeze, Nikaloy Face, Integral Vacuum Breaker Wall Hydrant <i>For 1" NPT Outlet, Add</i>	375.55 54.31	69.64
22 11 19 00-0103 EA 12" Thick Wall, Cast Bronze, Non Freeze, Nikaloy Face, Integral Vacuum Breaker Wall Hydrant <i>For 1" NPT Outlet, Add</i>	375.55 54.31	69.64
22 11 19 00-0104 EA 18" Thick Wall, Cast Bronze, Non Freeze, Nikaloy Face, Integral Vacuum Breaker Wall Hydrant <i>For 1" NPT Outlet, Add</i>	416.17 54.31	69.64
22 11 19 00-0105 Stainless Steel Box Type Wall Hydrants <small>(22 11 19 00-0090)</small> Note: With 3/4" NPT female and 3/4" NPT male inlet connection.		
22 11 19 00-0106 EA Recessed Stainless Steel Hose Box With Wall Flange Less Door (Acorn 8140).....	264.02	27.86
22 11 19 00-0107 EA Recessed Stainless Steel Hose Box With Vacuum Breaker, Wall Flange Less Door (Acorn 8141).....	284.38	27.86
22 11 19 00-0108 EA Recessed Stainless Steel Hose Box With Wall Flange And Door (Acorn 8150).....	287.15	27.86
22 11 19 00-0109 EA Recessed Stainless Steel Hose Box With Vacuum Breaker, Wall Flange And Door (Acorn 8151).....	317.69	27.86
22 11 19 00-0110 EA Recessed Stainless Steel Hose Box With Wall Flange Less Door (Acorn 8145)..... Note: Includes hot and cold hose connections.	438.95	39.00
22 11 19 00-0111 EA Recessed Stainless Steel Hose Box With Vacuum Breaker, Wall Flange Less Door (Acorn 8146)..... Note: Includes hot and cold hose connections.	450.98	39.00
22 11 19 00-0112 EA Recessed Stainless Steel Hose Box With Wall Flange And Door (Acorn 8155)..... Note: Includes hot and cold hose connections.	450.98	39.00
22 11 19 00-0113 EA Recessed Stainless Steel Hose Box With Vacuum Breaker, Wall Flange And Door (Acorn 8156)..... Note: Includes hot and cold hose connections.	479.66	39.00
22 11 19 00-0114 Washer Boxes And Dryer Outlets <small>(22 11 19)</small>		
22 11 19 00-0115 Dryer Vent Kit <small>(22 11 19 00-0114)</small> Note: Includes 4" flexible tubing plastic hood clamps and tailpipe.		
22 11 19 00-0116 EA Dryer Vent Kit With Hood, 4" x 5' Flexible Vent And Clamps.....	72.87	14.49
22 11 19 00-0117 Washer Boxes And Dryer Vents <small>(22 11 19 00-0114)</small> Note: Includes 1/2" supply valves and mounting brackets.		
22 11 19 00-0118 EA 2" Washing Machine Outlet Box, Plastic, Two 1/2" Supply Valves.....	247.94	22.29
22 11 19 00-0119 Ice Maker Outlet Box <small>(22 11 19)</small> Note: Includes one 1/2" quarter turn ball valve and connections wall mount.		
22 11 19 00-0120 EA Plastic Ice Maker Outlet Box, 1/2" Quarter Turn Ball Valve, Wall Mount.....	132.58	22.29
22 11 19 00-0121 EA Plastic Ice Maker Outlet Box, 1/2" Quarter Turn Ball Valve With Water Hammer Arrestor, Wall Mount.....	157.38	22.29
22 11 19 00-0122 EA Steel Ice Maker Outlet Box, 1/2" Quarter Turn Ball Valve, Wall Mount.....	171.04	22.29
22 11 19 00-0123 Tempering Controllers For Potable Hot Water <small>(22 11 19)</small>		
22 11 19 00-0124 Point-Of-Use Thermostatic Mixing Valves (Bradley) <small>(22 11 19 00-0123)</small> Note: Point-of-Use Water Tempering Valves: ASSE 1016, or 1070, with piston-control mechanism, positive shutoff of hot water when cold water supply is lost, bronze body and cap with replaceable corrosion-resistant components, including stainless steel piston and liner.		
22 11 19 00-0125 EA 1/2" Inlets, 1/2" Outlet Sink/Faucet Point-Of-Use Thermostatic Mixing Valve (Bradley S59-2007).....	324.09	26.97
22 11 19 00-0126 EA 1/2" Inlets, 1/2" Outlet Point-Of-Use Thermostatic Mixing Valve (Bradley S59-4004).....	148.71	26.97
22 11 19 00-0127 EA 1/2" Inlets, 1/2" Outlet Point-Of-Use Thermostatic Mixing Valve (Bradley S59-4008).....	192.76	26.97
22 11 19 00-0128 EA 3/4" Inlets, 3/4" Outlet Point-Of-Use Thermostatic Mixing Valve (Bradley S59-4016).....	225.09	36.34
22 11 19 00-0129 Thermostatic Mixing Valves (Bradley) <small>(22 11 19 00-0123)</small> Note: Standard Thermostatic, Water Mixing Valves: ASSE 1017, liquid-filled motor and piston control mechanism with positive shutoff of hot water when coldwater supply is lost. Water flow is shut off in event of thermostat failure. Bronze valve body and cap with replaceable corrosion-resistant components, including stainless steel piston and liner. Equipped with integral check stops and removable strainers.		
22 11 19 00-0130 EA 3/4" Inlets, 3/4" Outlet, 25 GPM Thermostatic Mixing Valve (Bradley S59-2025).....	855.82	38.90
22 11 19 00-0131 EA 3/4" Inlets, 1" Outlet, 45 GPM Thermostatic Mixing Valve (Bradley S59-2045).....	963.61	47.91
22 11 19 00-0132 EA 1" Inlets, 1-1/4" Outlet, 80 GPM Thermostatic Mixing Valve (Bradley S59-2080).....	1,157.12	55.73
22 11 19 00-0133 EA 1-1/4" Inlets, 1-1/2" Outlet, 130 GPM Thermostatic Mixing Valve (Bradley S59-2130).....	1,490.30	58.58
22 11 19 00-0134 EA 2" Inlets, 2" Outlet, 220 GPM Thermostatic Mixing Valve (Bradley S59-2200).....	1,998.93	76.00
22 11 19 00-0135 High Low Temperature Thermostatic Mixing Valves (Bradley) <small>(22 11 19 00-0123)</small> Note: High Low Temperature Thermostatic Mixing Valves: ASSE 1017, liquid-filled thermal motor and piston control mechanism with positive shutoff of hot water when cold water supply is lost, and allowing restricted cold flow in event of loss or interruption of hot water supply. Flow is shut off in the event of thermostat failure. Equipped with integral check stops, thermometer, and removable strainers.		
22 11 19 00-0136 EA 3/4" Inlets, 1" Outlet, 45 GPM High-Low Thermostatic Mixing Valve (Bradley S59-3045).....	2,153.95	59.91
22 11 19 00-0137 EA 1" Inlets, 1-1/4" Outlet, 80 GPM High-Low Thermostatic Mixing Valve (Bradley S59-3080).....	2,797.60	69.66
22 11 19 00-0138 EA 1-1/4" Inlets, 1-1/2" Outlet, 130 GPM High-Low Thermostatic Mixing Valve (Bradley S59-3130).....	3,257.01	73.22
22 11 19 00-0139 EA 2" Inlets, 2" Outlet, 220 GPM High-Low Thermostatic Mixing Valve (Bradley S59-3200).....	3,618.11	94.99
22 11 19 00-0140 Thermostatic Mixing Valves (Leonard) <small>(22 11 19 00-0123)</small> Note: Thermostatic Water Mixing Valve with Integral combination checkstops with strainers, 125 PSI (8.6 BAR) maximum operating pressure, Copper encapsulated thermostatic assembly with Teflon coated brass shuttle, Locking temperature regulating handle, Top or bottom supply/outlet connections, Integral circulation port connection		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 19 00-0141 EA 3/4" In x 3/4" Out Thermostatic Mixing Valve (Leonard LV-981-RF).....	605.82	38.90
Note: For hot water or two pipe low pressure steam.		
22 11 19 00-0142 EA 1" In x 1-1/4" Out Thermostatic Mixing Valve (Leonard LV-982-RF).....	714.88	47.91
Note: For hot water or two pipe low pressure steam.		
22 11 19 00-0143 EA 1-1/4" In x 1-1/4" Out Thermostatic Mixing Valve (Leonard LV-983-RF).....	876.17	55.73
Note: For hot water or two pipe low pressure steam.		
22 11 19 00-0144 EA 1-1/4" In x 1-1/2" Out Thermostatic Mixing Valve (Leonard LV-984-RF).....	1,063.93	58.60
Note: For hot water or two pipe low pressure steam.		
22 11 19 00-0145 EA 2" In x 2" Out Thermostatic Mixing Valve (Leonard LV-985-RF).....	1,572.17	76.00
Note: For hot water or two pipe low pressure steam.		
22 11 19 00-0146 Water Mixing/Self Operating Temperature Regulator (22 11 19 00-0123)		
Note: Includes high rate spring, temperature adjustment screw, temperature dial and remote bulb with 8' capillary tube.		
22 11 19 00-0147 EA 3/4" Valve Size, Water Mixing/Self Operating Temperature Regulator (Powers #11 Type WM Regulator)	1,319.31	55.71
22 11 19 00-0148 EA 1" Valve Size, Water Mixing/Self Operating Temperature Regulator (Powers #11 Type WM Regulator)	1,423.04	70.21
22 11 19 00-0149 EA 1-1/4" Valve Size, Water Mixing/Self Operating Temperature Regulator (Powers #11 Type WM Regulator)	1,585.67	84.69
22 11 19 00-0150 EA 1-1/2" Valve Size, Water Mixing/Self Operating Temperature Regulator (Powers #11 Type WM Regulator)	1,761.05	99.18
22 11 19 00-0151 EA 2" Valve Size, Water Mixing/Self Operating Temperature Regulator (Powers #11 Type WM Regulator)	2,061.28	130.38
22 11 19 00-0152 EA 2-1/2" Valve Size, Water Mixing/Self Operating Temperature Regulator (Powers #11 Type WM Regulator)	2,384.02	148.61
22 11 19 00-0153 Backflow Preventer Valves (22 11 19)		
22 11 19 00-0154 Double Check Valve Backflow Preventer Assemblies (22 11 19 00-0153)		
22 11 19 00-0155 Threaded Double Check Valve Assemblies (22 11 19 00-0154)		
22 11 19 00-0156 Double Check Valve Assemblies With Quarter Turn Shut-Offs (22 11 19 00-0155)		
Note: Includes ball type test cocks, two quarter-turn (QT) full port resilient seated bronze body ball valves, and two epoxy coated bronze body check valves (Watts 007 QT or 719 QT series).		
22 11 19 00-0157 EA 1/2" Threaded Double Check Valve Assembly With Quarter Turn Shut-offs (Watts 007 QT or 719 QT series).....	252.54	29.87
For Work In Restricted Working Space, Add	22.40	
For Owner Furnished Material, Deduct	-177.88	
22 11 19 00-0158 EA 3/4" Threaded Double Check Valve Assembly With Quarter Turn Shut-offs (Watts 007 QT or 719 QT series).....	306.67	42.35
For Work In Restricted Working Space, Add	31.76	
For Owner Furnished Material, Deduct	-200.81	
22 11 19 00-0159 EA 1" Threaded Double Check Valve Assembly With Quarter Turn Shut-offs (Watts 007 QT or 719 QT series).....	357.10	51.70
For Work In Restricted Working Space, Add	38.78	
For Owner Furnished Material, Deduct	-227.84	
22 11 19 00-0160 EA 1-1/4" Threaded Double Check Valve Assembly With Quarter Turn Shut-offs (Watts 007 QT or 719 QT series)	485.17	60.18
For Work In Restricted Working Space, Add	45.13	
For Owner Furnished Material, Deduct	-334.73	
22 11 19 00-0161 EA 1-1/2" Threaded Double Check Valve Assembly With Quarter Turn Shut-offs (Watts 007 QT or 719 QT series)	593.67	69.09
For Work In Restricted Working Space, Add	51.48	
For Owner Furnished Material, Deduct	-422.07	
22 11 19 00-0162 EA 2" Threaded Double Check Valve Assembly With Quarter Turn Shut-offs (Watts 007 QT or 719 QT series).....	696.07	89.15
For Work In Restricted Working Space, Add	66.86	
For Owner Furnished Material, Deduct	-473.20	
22 11 19 00-0163 Double Check Valve Assemblies With Quarter Turn Shut-Offs And Strainer		
(22 11 19 00-0155)		
Note: Includes ball type test cocks, two quarter-turn (QT) full port resilient seated bronze body ball valves, two epoxy coated bronze body check valves, and bronze strainer (Watts 007 QT-S or 719 QT-S series).		
22 11 19 00-0164 EA 1/2" Threaded Double Check Valve Assembly With Quarter Turn Shut-offs And Strainer (Watts 007 QT-S or 719 QT-S).....	303.44	29.87
For Work In Restricted Working Space, Add	22.40	
For Owner Furnished Material, Deduct	-228.78	
22 11 19 00-0165 EA 3/4" Threaded Double Check Valve Assembly With Quarter Turn Shut-offs And Strainer (Watts 007 QT-S or 719 QT-S).....	381.22	42.35
For Work In Restricted Working Space, Add	31.76	
For Owner Furnished Material, Deduct	-275.36	
22 11 19 00-0166 EA 1" Threaded Double Check Valve Assembly With Quarter Turn Shut-offs And Strainer (Watts 007 QT-S or 719 QT-S).....	448.50	51.70
For Work In Restricted Working Space, Add	38.78	
For Owner Furnished Material, Deduct	-319.23	
22 11 19 00-0167 EA 1-1/4" Threaded Double Check Valve Assembly With Quarter Turn Shut-offs And Strainer (Watts 007 QT-S or 719 QT-S).....	615.38	60.18
For Work In Restricted Working Space, Add	45.13	
For Owner Furnished Material, Deduct	-464.95	
22 11 19 00-0168 EA 1-1/2" Threaded Double Check Valve Assembly With Quarter Turn Shut-offs And Strainer (Watts 007 QT-S or 719 QT-S).....	747.05	69.09
For Work In Restricted Working Space, Add	51.48	
For Owner Furnished Material, Deduct	-575.45	
22 11 19 00-0169 EA 2" Threaded Double Check Valve Assembly With Quarter Turn Shut-offs And Strainer (Watts 007 QT-S or 719 QT-S).....	907.82	89.15
For Work In Restricted Working Space, Add	66.86	
For Owner Furnished Material, Deduct	-684.95	
22 11 19 00-0170 Flanged Double Check Valve Assemblies (22 11 19 00-0154)		



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 19 00-0171				Double Check Valve Assemblies With Non-Rising Stem Shut-Offs <small>(22 11 19 00-0170)</small> Note: Includes ball type test cocks, two non-rising stem (NRS) resilient seated iron body gate valves, and two epoxy coated iron body check valves (Watts 007 NRS series).		
22 11 19 00-0172	EA			2-1/2" Flanged Double Check Valve Assembly With NRS Shut-offs (Watts 007 NRS).....	1,766.30	246.15
				<i>For Work In Restricted Working Space, Add</i>	98.46	
				<i>For Owner Furnished Material, Deduct</i>	-1,438.10	
22 11 19 00-0173	EA			3" Flanged Double Check Valve Assembly With NRS Shut-offs (Watts 007 NRS).....	1,943.58	276.92
				<i>For Work In Restricted Working Space, Add</i>	109.23	
				<i>For Owner Furnished Material, Deduct</i>	-1,579.48	
22 11 19 00-0174				Double Check Valve Assemblies With Outside Stem And Yoke Shut-Offs <small>(22 11 19 00-0170)</small> Note: Includes ball type test cocks, two outside stem and yoke resilient seated iron body gate valves, and two epoxy coated iron body check valves (Watts 007 OSY series).		
22 11 19 00-0175	EA			2-1/2" Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts 007 OSY).....	1,912.48	246.15
				<i>For Work In Restricted Working Space, Add</i>	98.46	
				<i>For Owner Furnished Material, Deduct</i>	-1,584.28	
22 11 19 00-0176	EA			3" Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts 007 OSY).....	2,187.38	276.92
				<i>For Work In Restricted Working Space, Add</i>	109.23	
				<i>For Owner Furnished Material, Deduct</i>	-1,823.28	
22 11 19 00-0177				Double Check Valve Assemblies With Non-Rising Stem Shut-Offs <small>(22 11 19 00-0170)</small> Note: Includes ball type test cocks, two non-rising stem (NRS) resilient seated iron body gate valves, and two epoxy coated iron body check valves (Watts 709 NRS series).		
22 11 19 00-0178	EA			2-1/2" Flanged Double Check Valve Assembly With NRS Shut-offs (Watts 709 NRS series).....	2,157.48	246.15
				<i>For Work In Restricted Working Space, Add</i>	98.45	
				<i>For Owner Furnished Material, Deduct</i>	-1,829.30	
22 11 19 00-0179	EA			3" Flanged Double Check Valve Assembly With NRS Shut-offs (Watts 709 NRS series).....	2,373.05	276.92
				<i>For Work In Restricted Working Space, Add</i>	109.23	
				<i>For Owner Furnished Material, Deduct</i>	-2,008.94	
22 11 19 00-0180	EA			4" Flanged Double Check Valve Assembly With NRS Shut-offs (Watts 709 NRS series).....	2,770.03	410.25
				<i>For Work In Restricted Working Space, Add</i>	164.01	
				<i>For Owner Furnished Material, Deduct</i>	-2,223.32	
22 11 19 00-0181	EA			6" Flanged Double Check Valve Assembly With NRS Shut-offs (Watts 709 NRS series).....	4,627.86	582.69
				<i>For Work In Restricted Working Space, Add</i>	315.78	
				<i>For Owner Furnished Material, Deduct</i>	-3,575.26	
22 11 19 00-0182	EA			8" Flanged Double Check Valve Assembly With NRS Shut-offs (Watts 709 NRS series).....	8,747.36	874.03
				<i>For Work In Restricted Working Space, Add</i>	473.75	
				<i>For Owner Furnished Material, Deduct</i>	-7,168.21	
22 11 19 00-0183	EA			10" Flanged Double Check Valve Assembly With NRS Shut-offs (Watts 709 NRS series).....	11,419.65	1,033.80
				<i>For Work In Restricted Working Space, Add</i>	563.89	
				<i>For Owner Furnished Material, Deduct</i>	-9,540.02	
22 11 19 00-0184				Double Check Valve Assemblies With Non-Rising Stem Shut-Offs And Strainer <small>(22 11 19 00-0170)</small> Note: Includes ball type test cocks, two non-rising stem (NRS) resilient seated iron body gate valves, two epoxy coated iron body check valves, and iron body strainer (Watts 709 NRS-S series).		
22 11 19 00-0185	EA			2-1/2" Flanged Double Check Valve Assembly With NRS Shut-offs And Strainer (Watts 709 NRS-S series).....	2,359.77	246.15
				<i>For Work In Restricted Working Space, Add</i>	98.45	
				<i>For Owner Furnished Material, Deduct</i>	-2,031.59	
22 11 19 00-0186	EA			3" Flanged Double Check Valve Assembly With NRS Shut-offs And Strainer (Watts 709 NRS-S series).....	2,615.07	276.92
				<i>For Work In Restricted Working Space, Add</i>	109.23	
				<i>For Owner Furnished Material, Deduct</i>	-2,250.97	
22 11 19 00-0187	EA			4" Flanged Double Check Valve Assembly With NRS Shut-offs And Strainer (Watts 709 NRS-S series).....	3,308.14	410.25
				<i>For Work In Restricted Working Space, Add</i>	164.00	
				<i>For Owner Furnished Material, Deduct</i>	-2,761.48	
22 11 19 00-0188	EA			6" Flanged Double Check Valve Assembly With NRS Shut-offs And Strainer (Watts 709 NRS-S series).....	5,648.98	582.69
				<i>For Work In Restricted Working Space, Add</i>	315.78	
				<i>For Owner Furnished Material, Deduct</i>	-4,596.38	
22 11 19 00-0189	EA			8" Flanged Double Check Valve Assembly With NRS Shut-offs And Strainer (Watts 709 NRS-S series).....	10,467.40	874.03
				<i>For Work In Restricted Working Space, Add</i>	473.67	
				<i>For Owner Furnished Material, Deduct</i>	-8,888.50	
22 11 19 00-0190	EA			10" Flanged Double Check Valve Assembly With NRS Shut-offs And Strainer (Watts 709 NRS-S series).....	11,419.65	1,033.80
				<i>For Work In Restricted Working Space, Add</i>	563.89	
				<i>For Owner Furnished Material, Deduct</i>	-9,540.02	
22 11 19 00-0191				Double Check Valve Assemblies With Outside Stem And Yoke Shut-Offs <small>(22 11 19 00-0170)</small> Note: Includes ball type test cocks, two outside stem and yoke resilient seated iron body gate valves, and two epoxy coated iron body check valves (Watts 709 OSY series).		
22 11 19 00-0192	EA			2-1/2" Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts 709 OSY series).....	2,284.61	246.15
				<i>For Work In Restricted Working Space, Add</i>	98.45	
				<i>For Owner Furnished Material, Deduct</i>	-1,956.43	
22 11 19 00-0193	EA			3" Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts 709 OSY series).....	2,604.25	276.92
				<i>For Work In Restricted Working Space, Add</i>	109.23	
				<i>For Owner Furnished Material, Deduct</i>	-2,240.15	
22 11 19 00-0194	EA			4" Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts 709 OSY series).....	3,039.41	410.25
				<i>For Work In Restricted Working Space, Add</i>	164.00	
				<i>For Owner Furnished Material, Deduct</i>	-2,492.75	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 19 00-0195 EA 6" Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts 709 OSY series).....	4,950.32	582.69
<i>For Work In Restricted Working Space, Add</i>	315.78	
<i>For Owner Furnished Material, Deduct</i>	-3,897.72	
22 11 19 00-0196 EA 8" Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts 709 OSY series).....	9,285.10	874.03
<i>For Work In Restricted Working Space, Add</i>	473.67	
<i>For Owner Furnished Material, Deduct</i>	-7,706.20	
22 11 19 00-0197 EA 10" Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts 709 OSY series).....	12,494.54	1,033.80
<i>For Work In Restricted Working Space, Add</i>	563.89	
<i>For Owner Furnished Material, Deduct</i>	-10,614.91	
22 11 19 00-0198 Double Check Valve Assemblies With Outside Stem And Yoke Shut-Offs ^(22 11 19 00-0170)		
Note: Includes ball type test cocks, two outside stem and yoke resilient seated iron body gate valves, and single stainless steel housing and sleeve for two check valves (Watts 757 OSY series).		
22 11 19 00-0199 EA 2-1/2" Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts 757 OSY series).....	1,981.19	246.15
<i>For Work In Restricted Working Space, Add</i>	98.45	
<i>For Owner Furnished Material, Deduct</i>	-1,653.01	
22 11 19 00-0200 EA 3" Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts 757 OSY series).....	2,182.51	276.92
<i>For Work In Restricted Working Space, Add</i>	109.23	
<i>For Owner Furnished Material, Deduct</i>	-1,818.41	
22 11 19 00-0201 EA 4" Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts 757 OSY series).....	2,530.47	410.25
<i>For Work In Restricted Working Space, Add</i>	164.00	
<i>For Owner Furnished Material, Deduct</i>	-1,983.81	
22 11 19 00-0202 EA 6" Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts 757 OSY series).....	4,154.56	582.69
<i>For Work In Restricted Working Space, Add</i>	315.78	
<i>For Owner Furnished Material, Deduct</i>	-3,101.96	
22 11 19 00-0203 EA 8" Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts 757 OSY series).....	7,711.74	874.03
<i>For Work In Restricted Working Space, Add</i>	473.67	
<i>For Owner Furnished Material, Deduct</i>	-6,132.84	
22 11 19 00-0204 EA 10" Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts 757 OSY series).....	8,442.20	1,033.80
<i>For Work In Restricted Working Space, Add</i>	563.89	
<i>For Owner Furnished Material, Deduct</i>	-6,562.57	
22 11 19 00-0205 N-Pattern Double Check Valve Assemblies With Outside Stem And Yoke Shut-Offs ^(22 11 19 00-0170)		
Note: Includes ball type test cocks, two outside stem and yoke resilient seated iron body gate valves, and single stainless steel housing and sleeve for two check valves (Watts 757N OSY series).		
22 11 19 00-0206 EA 2-1/2" N-Pattern Flanged Double Check Valve Assembly With Outside Stem And Yoke Shutoffs (Watts 757N OSY series).....	2,567.72	246.15
<i>For Work In Restricted Working Space, Add</i>	98.45	
<i>For Owner Furnished Material, Deduct</i>	-2,239.54	
22 11 19 00-0207 EA 3" N-Pattern Flanged Double Check Valve Assembly With Outside Stem And Yoke Shutoffs (Watts 757N OSY series).....	2,769.04	276.92
<i>For Work In Restricted Working Space, Add</i>	109.23	
<i>For Owner Furnished Material, Deduct</i>	-2,404.94	
22 11 19 00-0208 EA 4" N-Pattern Flanged Double Check Valve Assembly With Outside Stem And Yoke Shutoffs (Watts 757 OSY series).....	3,510.57	410.25
<i>For Work In Restricted Working Space, Add</i>	164.00	
<i>For Owner Furnished Material, Deduct</i>	-2,963.91	
22 11 19 00-0209 EA 6" N-Pattern Flanged Double Check Valve Assembly With Outside Stem And Yoke Shutoffs (Watts 757N OSY series).....	5,795.30	582.69
<i>For Work In Restricted Working Space, Add</i>	315.78	
<i>For Owner Furnished Material, Deduct</i>	-4,742.70	
22 11 19 00-0210 EA 8" N-Pattern Flanged Double Check Valve Assembly With Outside Stem And Yoke Shutoffs (Watts 757N OSY series).....	10,143.48	874.03
<i>For Work In Restricted Working Space, Add</i>	473.67	
<i>For Owner Furnished Material, Deduct</i>	-8,564.58	
22 11 19 00-0211 EA 10" N-Pattern Flanged Double Check Valve Assembly With Outside Stem And Yoke Shutoffs (Watts 757N OSY series).....	12,070.97	1,033.80
<i>For Work In Restricted Working Space, Add</i>	563.89	
<i>For Owner Furnished Material, Deduct</i>	-10,191.34	
22 11 19 00-0212 Double Check Valve Assemblies With Non-Rising Stem Shut-Off Valves ^(22 11 19 00-0170)		
Note: Includes ball type test cocks, two non-rising stem (NRS) resilient seated iron body gate valves, and single stainless steel housing and sleeve for two check valves (Watts 757 NRS series).		
22 11 19 00-0213 EA 2-1/2" Flanged Double Check Valve Assembly With NRS Shut-offs (Watts 757 NRS series).....	1,864.54	246.15
<i>For Work In Restricted Working Space, Add</i>	98.45	
<i>For Owner Furnished Material, Deduct</i>	-1,536.36	
22 11 19 00-0214 EA 3" Flanged Double Check Valve Assembly With NRS Shut-offs (Watts 757 NRS series).....	2,071.16	276.92
<i>For Work In Restricted Working Space, Add</i>	109.23	
<i>For Owner Furnished Material, Deduct</i>	-1,707.06	
22 11 19 00-0215 EA 4" Flanged Double Check Valve Assembly With NRS Shut-offs (Watts 757 NRS series).....	2,424.35	410.25
<i>For Work In Restricted Working Space, Add</i>	164.00	
<i>For Owner Furnished Material, Deduct</i>	-1,877.69	
22 11 19 00-0216 EA 6" Flanged Double Check Valve Assembly With NRS Shut-offs (Watts 757 NRS series).....	4,071.20	582.69
<i>For Work In Restricted Working Space, Add</i>	315.78	
<i>For Owner Furnished Material, Deduct</i>	-3,018.60	
22 11 19 00-0217 EA 8" Flanged Double Check Valve Assembly With NRS Shut-offs (Watts 757 NRS series).....	7,631.41	874.03
<i>For Work In Restricted Working Space, Add</i>	473.67	
<i>For Owner Furnished Material, Deduct</i>	-6,052.51	



Plumbing	22
Plumbing Piping	22 10
Facility Water Distribution	22 11

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 19 00-0218 EA 10" Flanged Double Check Valve Assembly With NRS Shut-offs (Watts 757 NRS series) <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	8,666.51 563.89 -6,786.88	1,033.80
22 11 19 00-0219 N-Pattern Double Check Valve Assemblies With Non-Rising Stem Shut-Offs <small>(22 11 19 00-0170)</small> Note: Includes ball type test cocks, two non-rising stem (NRS) resilient seated iron body gate valves, and single stainless steel housing and sleeve for two check valves (Watts 757N NRS series).		
22 11 19 00-0220 EA 2-1/2" N-Pattern Flanged Double Check Valve Assembly With NRS Shutoffs (Watts 757 NRS series) <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	2,401.88 98.45 -2,073.70	246.15
22 11 19 00-0221 EA 3" N-Pattern Flanged Double Check Valve Assembly With NRS Shutoffs (Watts 757 NRS series) <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	2,603.20 109.23 -2,239.10	276.92
22 11 19 00-0222 EA 4" N-Pattern Flanged Double Check Valve Assembly With NRS Shutoffs (Watts 757 NRS series) <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	3,344.94 164.00 -2,798.28	410.25
22 11 19 00-0223 EA 6" N-Pattern Flanged Double Check Valve Assembly With NRS Shutoffs (Watts 757 NRS series) <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	5,618.88 315.78 -4,566.28	582.69
22 11 19 00-0224 EA 8" N-Pattern Flanged Double Check Valve Assembly With NRS Shutoffs (Watts 757 NRS series) <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	9,876.45 473.67 -8,297.55	874.03
22 11 19 00-0225 EA 10" N-Pattern Flanged Double Check Valve Assembly With NRS Shutoffs (Watts 757 NRS series) <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	11,803.16 563.89 -9,923.53	1,033.80
22 11 19 00-0226 Double Check Valve Assemblies With Butterfly Shut-Off Valves <small>(22 11 19 00-0170)</small> Note: Includes ball type test cocks, two resilient seated iron body butterfly valves, and single stainless steel housing and sleeve for two check valves (Watts 757 BFG series).		
22 11 19 00-0227 EA 2-1/2" Flanged Double Check Valve Assembly With Butterfly Valves (Watts 757 BFG series) <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	2,140.44 98.45 -1,812.26	246.15
22 11 19 00-0228 EA 3" Flanged Double Check Valve Assembly With Butterfly Valves (Watts 757 BFG series) <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	2,341.75 109.23 -1,977.65	276.92
22 11 19 00-0229 EA 4" Flanged Double Check Valve Assembly With Butterfly Valves (Watts 757 BFG series) <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	2,689.71 164.00 -2,143.05	410.25
22 11 19 00-0230 EA 6" Flanged Double Check Valve Assembly With Butterfly Valves (Watts 757 BFG series) <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	4,317.82 315.78 -3,265.22	582.69
22 11 19 00-0231 EA 8" Flanged Double Check Valve Assembly With Butterfly Valves (Watts 757 BFG series) <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	7,874.99 473.67 -6,296.09	874.03
22 11 19 00-0232 N-Pattern Double Check Valve Assemblies With Butterfly Shut-Offs <small>(22 11 19 00-0170)</small> Note: Includes ball type test cocks, two resilient seated iron body butterfly valves, and single stainless steel housing and sleeve for two check valves (Watts 757N BFG series).		
22 11 19 00-0233 EA 2-1/2" N-Pattern Flanged Double Check Assembly With Butterfly Valves (Watts 757 BFG series) <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	2,726.96 98.45 -2,398.78	246.15
22 11 19 00-0234 EA 3" N-Pattern Flanged Double Check Valve Assembly With Butterfly Valves (Watts 757 BFG series) <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	2,928.28 109.23 -2,564.18	276.92
22 11 19 00-0235 EA 4" N-Pattern Flanged Double Check Valve Assembly With Butterfly Valves (Watts 757 BFG series) <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	3,669.81 164.00 -3,123.15	410.25
22 11 19 00-0236 EA 6" N-Pattern Flanged Double Check Valve Assembly With Butterfly Valves (Watts 757 BFG series) <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	5,958.59 315.78 -4,905.99	582.69
22 11 19 00-0237 EA 8" N-Pattern Flanged Double Check Valve Assembly With Butterfly Valves (Watts 757 BFG series) <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	7,874.99 473.67 -6,296.09	874.03
22 11 19 00-0238 Grooved Double Check Valve Assemblies <small>(22 11 19 00-0154)</small>		
22 11 19 00-0239 Double Check Valve Assemblies With Quarter Turn Shut-Offs <small>(22 11 19 00-0238)</small> Note: Includes ball type test cocks, two quarter turn (QT) resilient seated iron body ball valves, and single stainless steel housing and sleeve for two check valves (Watts 757 QT series).		
22 11 19 00-0240 EA 2-1/2" Grooved Double Check Valve Assembly With Quarter Turn Shut-offs (Watts 757 QT series) <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	1,864.54 98.45 -1,536.36	131.28
22 11 19 00-0241 EA 3" Grooved Double Check Valve Assembly With Quarter Turn Shut-offs (Watts 757 QT series) <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	2,071.16 109.23 -1,707.06	145.64

22	Plumbing
22 10	Plumbing Piping
22 11	Facility Water Distribution



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 19 00-0242			N-Patten Double Check Valve Assemblies With Quarter Turn Shut-Offs ^(22 11 19 00-0238) Note: Includes ball type test cocks, two quarter turn (QT) resilient seated iron body ball valves, and single stainless steel housing and sleeve for two check valves (Watts 757N QT series).		
22 11 19 00-0243	EA		2-1/2" N-Pattern Grooved Double Check Valve Assembly With QT Shutoffs (Watts 757 QT series)	2,401.88	131.28
			<i>For Work In Restricted Working Space, Add</i>	98.45	
			<i>For Owner Furnished Material, Deduct</i>	-2,073.70	
22 11 19 00-0244	EA		3" N-Pattern Grooved Double Check Valve Assembly With QT Shutoffs (Watts 757 QT series).....	2,603.20	145.64
			<i>For Work In Restricted Working Space, Add</i>	109.23	
			<i>For Owner Furnished Material, Deduct</i>	-2,239.10	
22 11 19 00-0245			Reduced Pressure Zone Backflow Preventer Assemblies ^(22 11 19 00-0153)		
22 11 19 00-0246			Threaded Reduced Pressure Zone Assemblies ^(22 11 19 00-0245)		
22 11 19 00-0247			Reduced Pressure Zone Assemblies With Quarter Turn Shut-Offs ^(22 11 19 00-0246) Note: Includes ball type test cocks, two quarter-turn (QT) full port resilient seated bronze body ball valves, and captured spring assemblies (Watts 009 QT series).		
22 11 19 00-0248	EA		1/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 009 QT series)	271.52	25.86
			<i>For Work In Restricted Working Space, Add</i>	19.39	
			<i>For Owner Furnished Material, Deduct</i>	-206.89	
22 11 19 00-0249	EA		3/8" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 009 QT series)	288.26	28.53
			<i>For Work In Restricted Working Space, Add</i>	21.40	
			<i>For Owner Furnished Material, Deduct</i>	-216.94	
22 11 19 00-0250	EA		1/2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 009 QT series)	331.64	29.87
			<i>For Work In Restricted Working Space, Add</i>	22.40	
			<i>For Owner Furnished Material, Deduct</i>	-256.98	
22 11 19 00-0251	EA		3/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 009M3 QT series)	448.11	42.35
			<i>For Work In Restricted Working Space, Add</i>	31.76	
			<i>For Owner Furnished Material, Deduct</i>	-342.25	
22 11 19 00-0252	EA		1" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 009M2 QT series)	533.46	51.70
			<i>For Work In Restricted Working Space, Add</i>	38.78	
			<i>For Owner Furnished Material, Deduct</i>	-404.19	
22 11 19 00-0253	EA		1-1/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 009M2 QT series)	784.48	60.18
			<i>For Work In Restricted Working Space, Add</i>	45.13	
			<i>For Owner Furnished Material, Deduct</i>	-634.05	
22 11 19 00-0254	EA		1-1/2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 009M2 QT series)	835.47	69.09
			<i>For Work In Restricted Working Space, Add</i>	51.48	
			<i>For Owner Furnished Material, Deduct</i>	-663.87	
22 11 19 00-0255	EA		2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 009M2 QT series)	1,010.66	89.15
			<i>For Work In Restricted Working Space, Add</i>	66.86	
			<i>For Owner Furnished Material, Deduct</i>	-787.79	
22 11 19 00-0256			Reduced Pressure Zone Assemblies With Quarter Turn Shut-Offs And Strainer ^(22 11 19 00-0246) Note: Includes ball type test cocks, two quarter-turn (QT) full port resilient seated bronze body ball valves, bronze strainer, and captured spring assemblies (Watts 009 QT-S series).		
22 11 19 00-0257	EA		1/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 009 QT-S series).....	296.57	25.86
			<i>For Work In Restricted Working Space, Add</i>	19.39	
			<i>For Owner Furnished Material, Deduct</i>	-231.94	
22 11 19 00-0258	EA		3/8" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 009 QT-S series).....	314.65	28.53
			<i>For Work In Restricted Working Space, Add</i>	21.40	
			<i>For Owner Furnished Material, Deduct</i>	-243.33	
22 11 19 00-0259	EA		1/2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 009 QT-S series).....	367.81	42.35
			<i>For Work In Restricted Working Space, Add</i>	22.40	
			<i>For Owner Furnished Material, Deduct</i>	-293.15	
22 11 19 00-0260	EA		3/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 009 QT-S series).....	504.96	42.35
			<i>For Work In Restricted Working Space, Add</i>	31.76	
			<i>For Owner Furnished Material, Deduct</i>	-399.10	
22 11 19 00-0261	EA		1" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 009 QT-S series).....	604.54	51.70
			<i>For Work In Restricted Working Space, Add</i>	38.78	
			<i>For Owner Furnished Material, Deduct</i>	-475.27	
22 11 19 00-0262	EA		1-1/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 009 QT-S series).....	881.42	60.18
			<i>For Work In Restricted Working Space, Add</i>	45.13	
			<i>For Owner Furnished Material, Deduct</i>	-730.99	
22 11 19 00-0263	EA		1-1/2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 009 QT-S series).....	972.27	69.09
			<i>For Work In Restricted Working Space, Add</i>	51.48	
			<i>For Owner Furnished Material, Deduct</i>	-800.67	
22 11 19 00-0264	EA		2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 009 QT-S series).....	1,178.50	89.15
			<i>For Work In Restricted Working Space, Add</i>	66.86	
			<i>For Owner Furnished Material, Deduct</i>	-955.63	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 19 00-0265				Reduced Pressure Zone Assemblies With Quarter Turn Shut-Offs <small>(22 11 19 00-0246)</small> Note: Includes ball type test cocks, two quarter-turn (QT) full port resilient seated bronze body ball valves, and captured spring assemblies (Watts 919 QT series).		
22 11 19 00-0266	EA			3/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 919 QT series)	448.11	42.35
				<i>For Work In Restricted Working Space, Add</i>	31.76	
				<i>For Owner Furnished Material, Deduct</i>	-342.25	
22 11 19 00-0267	EA			1" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 919 QT series)	533.45	51.70
				<i>For Work In Restricted Working Space, Add</i>	38.78	
				<i>For Owner Furnished Material, Deduct</i>	-404.19	
22 11 19 00-0268	EA			1-1/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 919 QT series)	784.49	60.18
				<i>For Work In Restricted Working Space, Add</i>	45.13	
				<i>For Owner Furnished Material, Deduct</i>	-634.05	
22 11 19 00-0269	EA			1-1/2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 919 QT series)	835.47	69.09
				<i>For Work In Restricted Working Space, Add</i>	51.48	
				<i>For Owner Furnished Material, Deduct</i>	-663.87	
22 11 19 00-0270	EA			2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 919 QT series)	1,010.66	89.15
				<i>For Work In Restricted Working Space, Add</i>	66.86	
				<i>For Owner Furnished Material, Deduct</i>	-787.79	
22 11 19 00-0271				Reduced Pressure Zone Assemblies With Quarter Turn Shut-Offs And Strainer <small>(22 11 19 00-0246)</small> Note: Includes ball type test cocks, two quarter-turn (QT) full port resilient seated bronze body ball valves, bronze strainer, and captured spring assemblies (Watts 919 QT-S series).		
22 11 19 00-0272	EA			3/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 919QT-S series)	504.96	42.35
				<i>For Work In Restricted Working Space, Add</i>	31.76	
				<i>For Owner Furnished Material, Deduct</i>	-399.10	
22 11 19 00-0273	EA			1" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 919QT-S series)	604.54	51.70
				<i>For Work In Restricted Working Space, Add</i>	38.78	
				<i>For Owner Furnished Material, Deduct</i>	-475.27	
22 11 19 00-0274	EA			1-1/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 919QT-S series)	881.42	60.18
				<i>For Work In Restricted Working Space, Add</i>	45.13	
				<i>For Owner Furnished Material, Deduct</i>	-730.99	
22 11 19 00-0275	EA			1-1/2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 919QT-S series)	972.27	69.09
				<i>For Work In Restricted Working Space, Add</i>	51.48	
				<i>For Owner Furnished Material, Deduct</i>	-800.67	
22 11 19 00-0276	EA			2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 919QT-S series)	1,178.50	89.15
				<i>For Work In Restricted Working Space, Add</i>	66.86	
				<i>For Owner Furnished Material, Deduct</i>	-955.63	
22 11 19 00-0277				Reduced Pressure Zone Assemblies With Quarter Turn Shut-Offs <small>(22 11 19 00-0246)</small> Note: Includes ball type test cocks, two quarter-turn (QT) full port resilient seated bronze body ball valves, and captured spring assemblies (Watts 909 QT series).		
22 11 19 00-0278	EA			3/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 909QT)	644.82	42.35
				<i>For Work In Restricted Working Space, Add</i>	31.76	
				<i>For Owner Furnished Material, Deduct</i>	-538.96	
22 11 19 00-0279	EA			1" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 909QT)	765.35	51.70
				<i>For Work In Restricted Working Space, Add</i>	38.78	
				<i>For Owner Furnished Material, Deduct</i>	-636.08	
22 11 19 00-0280	EA			1-1/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 909M1QT)	1,148.76	60.18
				<i>For Work In Restricted Working Space, Add</i>	45.13	
				<i>For Owner Furnished Material, Deduct</i>	-998.33	
22 11 19 00-0281	EA			1-1/2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 909M1QT)	1,248.13	69.09
				<i>For Work In Restricted Working Space, Add</i>	51.48	
				<i>For Owner Furnished Material, Deduct</i>	-1,076.53	
22 11 19 00-0282	EA			2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 909M1QT)	1,462.69	89.15
				<i>For Work In Restricted Working Space, Add</i>	66.86	
				<i>For Owner Furnished Material, Deduct</i>	-1,239.82	
22 11 19 00-0283				Reduced Pressure Zone Assemblies With Quarter Turn Shut-Offs And Strainer <small>(22 11 19 00-0246)</small> Note: Includes ball type test cocks, two quarter-turn (QT) full port resilient seated bronze body ball valves, bronze strainer, and captured spring assemblies (Watts 909 QT-S series).		
22 11 19 00-0284	EA			3/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 909QT-S)	721.40	42.35
				<i>For Work In Restricted Working Space, Add</i>	31.76	
				<i>For Owner Furnished Material, Deduct</i>	-615.54	
22 11 19 00-0285	EA			1" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 909QT-S)	860.35	51.70
				<i>For Work In Restricted Working Space, Add</i>	38.78	
				<i>For Owner Furnished Material, Deduct</i>	-731.08	
22 11 19 00-0286	EA			1-1/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 909M1QT-S)	1,280.70	60.18
				<i>For Work In Restricted Working Space, Add</i>	45.13	
				<i>For Owner Furnished Material, Deduct</i>	-1,130.27	
22 11 19 00-0287	EA			1-1/2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 909M1QT-S)	1,403.99	69.09
				<i>For Work In Restricted Working Space, Add</i>	51.48	
				<i>For Owner Furnished Material, Deduct</i>	-1,232.39	

22	Plumbing
22 10	Plumbing Piping
22 11	Facility Water Distribution



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 19 00-0288 EA 2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 909M1QT-S) <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	1,681.88 66.86 -1,459.01	89.15
22 11 19 00-0289 Flanged Reduced Pressure Zone Assemblies (22 11 19 00-0245)		
22 11 19 00-0290 Reduced Pressure Zone Assemblies With Non-Rising Stem Shut-Offs (22 11 19 00-0289) Note: Includes ball type test cocks, two non-rising stem (NRS) resilient seated iron body gate valves, and captured spring assemblies (Watts 009 NRS series).		
22 11 19 00-0291 EA 2-1/2" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs (Watts 009 NRS series)..... <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	2,088.15 98.46 -1,759.95	246.15
22 11 19 00-0292 EA 3" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs (Watts 009 NRS series)..... <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	2,349.20 109.23 -1,985.10	276.92
22 11 19 00-0293 Reduced Pressure Zone Assemblies With Non-Rising Stem Shut-Off And Strainer (22 11 19 00-0289) Note: Includes ball type test cocks, two non-rising stem (NRS) resilient seated iron body gate valves, iron body strainer, and captured spring assemblies (Watts 009 NRS-S series).		
22 11 19 00-0294 EA 2-1/2" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs And Strainer (Watts 009 NRS-S series) <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	2,308.71 98.46 -1,980.51	246.15
22 11 19 00-0295 EA 3" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs And Strainer (Watts 009 NRS-S series)..... <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	2,608.33 109.23 -2,244.23	276.92
22 11 19 00-0296 Reduced Pressure Zone Assemblies With Outside Stem And Yoke Shut-Offs (22 11 19 00-0289) Note: Includes ball type test cocks, two outside stem and yoke resilient seated iron body gate valves, and captured spring assemblies (Watts 009 OSY series).		
22 11 19 00-0297 EA 2-1/2" Flanged Reduced Pressure Zone Assembly With Outside Stem And Yoke Shut-offs (Watts 009 OSY series)..... <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	2,225.93 98.46 -1,897.73	246.15
22 11 19 00-0298 EA 3" Flanged Reduced Pressure Zone Assembly With Outside Stem And Yoke Shut-offs (Watts 009 OSY series) <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	2,578.98 109.23 -2,214.88	276.92
22 11 19 00-0299 Reduced Pressure Zone Assemblies With Quarter Turn Shut-Offs (22 11 19 00-0289) Note: Includes ball type test cocks, two quarter turn (QT) resilient seated iron body ball valves, and captured spring assemblies (Watts 009 QT-FDA series).		
22 11 19 00-0300 EA 2-1/2" Flanged Reduced Pressure Zone Assembly With QT Shut-offs (Watts 009 QT-FDA series)..... <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	2,599.34 98.46 -2,271.14	246.15
22 11 19 00-0301 EA 3" Flanged Reduced Pressure Zone Assembly With QT Shut-offs (Watts 009 QT-FDA series)..... <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	2,967.32 109.23 -2,603.22	276.92
22 11 19 00-0302 Reduced Pressure Zone Assemblies With Quarter Turn Shut-Offs (22 11 19 00-0289) Note: Includes ball type test cocks, two quarter turn (QT) resilient seated iron body ball valves, and captured spring assemblies (Watts FAE 909 QT series).		
22 11 19 00-0303 EA 1-1/4" Flanged Reduced Pressure Zone Assembly With QT Shut-offs (Watts FAE 909 QT series)..... <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	1,017.21 61.54 -812.09	153.84
22 11 19 00-0304 EA 1-1/2" Flanged Reduced Pressure Zone Assembly With QT Shut-offs (Watts FAE 909 QT series)..... <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	1,133.48 72.31 -892.46	179.49
22 11 19 00-0305 EA 2" Flanged Reduced Pressure Zone Assembly With QT Shut-offs (Watts FAE 909 QT series) <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	1,340.58 84.62 -1,058.53	210.26
22 11 19 00-0306 Reduced Pressure Zone Assemblies With Quarter Turn Shut-Offs And Strainer (22 11 19 00-0289) Note: Includes ball type test cocks, two quarter turn (QT) resilient seated iron body ball valves, iron body strainers, and captured spring assemblies (Watts FAE 909 QT-S series).		
22 11 19 00-0307 EA 1-1/4" Flanged Reduced Pressure Zone Assembly With QT Shut-offs And Strainer (Watts FAE 909 QT-S series)..... <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	1,099.65 61.54 -894.53	153.84
22 11 19 00-0308 EA 1-1/2" Flanged Reduced Pressure Zone Assembly With QT Shut-offs And Strainer (Watts FAE 909 QT-S series)..... <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	1,398.59 72.31 -1,157.57	179.49
22 11 19 00-0309 EA 2" Flanged Reduced Pressure Zone Assembly With QT Shut-offs And Strainer (Watts FAE 909 QT-S series)..... <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	1,483.70 84.62 -1,201.65	210.26



Plumbing	22
Plumbing Piping	22 10
Facility Water Distribution	22 11

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 19 00-0310 Reduced Pressure Zone Assemblies With Non-Rising Stem Shut-Offs <small>(22 11 19 00-0289)</small>		
Note: Includes ball type test cocks, two non-rising stem (NRS) resilient seated iron body gate valves, and captured spring assemblies (Watts 909 NRS series).		
22 11 19 00-0311 EA 2-1/2" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs (Watts 909 NRS series).....	2,578.36	246.15
<i>For Work In Restricted Working Space, Add</i>		
	98.45	
<i>For Owner Furnished Material, Deduct</i>		
	-2,250.18	
22 11 19 00-0312 EA 3" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs (Watts 909 NRS series).....	2,905.06	276.92
<i>For Work In Restricted Working Space, Add</i>		
	109.23	
<i>For Owner Furnished Material, Deduct</i>		
	-2,540.95	
22 11 19 00-0313 EA 4" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs (Watts 909 NRS series).....	3,633.30	410.25
<i>For Work In Restricted Working Space, Add</i>		
	164.01	
<i>For Owner Furnished Material, Deduct</i>		
	-3,086.59	
22 11 19 00-0314 EA 6" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs (Watts 909 NRS series).....	6,388.69	582.69
<i>For Work In Restricted Working Space, Add</i>		
	442.12	
<i>For Owner Furnished Material, Deduct</i>		
	-4,914.97	
22 11 19 00-0315 EA 8" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs (Watts 909M1 NRS series).....	10,818.23	874.03
<i>For Work In Restricted Working Space, Add</i>		
	663.18	
<i>For Owner Furnished Material, Deduct</i>		
	-8,607.64	
22 11 19 00-0316 EA 10" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs (Watts 909M1 NRS series).....	13,319.96	1,033.80
<i>For Work In Restricted Working Space, Add</i>		
	563.89	
<i>For Owner Furnished Material, Deduct</i>		
	-11,440.33	
22 11 19 00-0317 Reduced Pressure Zone Assemblies With Non-Rising Stem Shut-Off And Strainer <small>(22 11 19 00-0289)</small>		
Note: Includes ball type test cocks, two non-rising stem (NRS) resilient seated iron body gate valves, iron body strainer, and captured spring assemblies (Watts 909 NRS-S series).		
22 11 19 00-0318 EA 2-1/2" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs And Strainer (Watts 909 NRS-S series).....	2,781.17	246.15
<i>For Work In Restricted Working Space, Add</i>		
	98.45	
<i>For Owner Furnished Material, Deduct</i>		
	-2,452.99	
22 11 19 00-0319 EA 3" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs And Strainer (Watts 909 NRS-S series).....	3,144.04	276.92
<i>For Work In Restricted Working Space, Add</i>		
	109.23	
<i>For Owner Furnished Material, Deduct</i>		
	-2,779.94	
22 11 19 00-0320 EA 4" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs And Strainer (Watts 909 NRS-S series).....	4,094.00	410.25
<i>For Work In Restricted Working Space, Add</i>		
	164.00	
<i>For Owner Furnished Material, Deduct</i>		
	-3,547.34	
22 11 19 00-0321 EA 6" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs And Strainer (Watts 909 NRS-S series).....	6,843.25	582.69
<i>For Work In Restricted Working Space, Add</i>		
	315.78	
<i>For Owner Furnished Material, Deduct</i>		
	-5,790.65	
22 11 19 00-0322 EA 8" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs And Strainer (Watts 909 NRS-S series).....	11,660.24	874.03
<i>For Work In Restricted Working Space, Add</i>		
	473.67	
<i>For Owner Furnished Material, Deduct</i>		
	-10,081.34	
22 11 19 00-0323 EA 10" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs And Strainer (Watts 909 NRS-S series).....	15,853.25	1,033.80
<i>For Work In Restricted Working Space, Add</i>		
	563.89	
<i>For Owner Furnished Material, Deduct</i>		
	-13,973.62	
22 11 19 00-0324 Reduced Pressure Zone Assemblies With Outside Stem And Yoke Shut-Offs <small>(22 11 19 00-0289)</small>		
Note: Includes ball type test cocks, two outside stem and yoke resilient seated iron body gate valves, and captured spring assemblies (Watts 909 OSY series).		
22 11 19 00-0325 EA 2-1/2" Flanged Reduced Pressure Zone Assembly With Outside Stem And Yoke Shut-offs (Watts 909 OSY series).....	2,661.90	246.15
<i>For Work In Restricted Working Space, Add</i>		
	98.45	
<i>For Owner Furnished Material, Deduct</i>		
	-2,333.72	
22 11 19 00-0326 EA 3" Flanged Reduced Pressure Zone Assembly With Outside Stem And Yoke Shut-offs (Watts 909 OSY series).....	3,079.43	276.92
<i>For Work In Restricted Working Space, Add</i>		
	109.23	
<i>For Owner Furnished Material, Deduct</i>		
	-2,715.32	
22 11 19 00-0327 EA 4" Flanged Reduced Pressure Zone Assembly With Outside Stem And Yoke Shut-offs (Watts 909 OSY series).....	3,732.24	410.25
<i>For Work In Restricted Working Space, Add</i>		
	164.01	
<i>For Owner Furnished Material, Deduct</i>		
	-3,185.53	
22 11 19 00-0328 EA 6" Flanged Reduced Pressure Zone Assembly With Outside Stem And Yoke Shut-offs (Watts 909 OSY series).....	6,122.66	582.69
<i>For Work In Restricted Working Space, Add</i>		
	315.78	
<i>For Owner Furnished Material, Deduct</i>		
	-5,070.06	
22 11 19 00-0329 EA 8" Flanged Reduced Pressure Zone Assembly With Outside Stem And Yoke Shut-offs (Watts 909 OSY series).....	10,432.74	874.03
<i>For Work In Restricted Working Space, Add</i>		
	473.67	
<i>For Owner Furnished Material, Deduct</i>		
	-8,853.84	
22 11 19 00-0330 EA 10" Flanged Reduced Pressure Zone Assembly With Outside Stem And Yoke Shut-offs (Watts 909 OSY series).....	14,585.62	1,033.80
<i>For Work In Restricted Working Space, Add</i>		
	563.89	
<i>For Owner Furnished Material, Deduct</i>		
	-12,705.99	
22 11 19 00-0331 Reduced Pressure Zone Assemblies With Non-Rising Stem Shut-Offs <small>(22 11 19 00-0289)</small>		
Note: Includes ball type test cocks, two non-rising stem (NRS) resilient seated bronze body gate valves, and captured spring assemblies (Watts 909 NRS BB series).		
22 11 19 00-0332 EA 2-1/2" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs (Watts 909 NRS BB series).....	4,262.01	246.15
<i>For Work In Restricted Working Space, Add</i>		
	98.46	
<i>For Owner Furnished Material, Deduct</i>		
	-3,933.81	
22 11 19 00-0333 EA 3" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs (Watts 909 NRS BB series).....	4,806.21	276.92
<i>For Work In Restricted Working Space, Add</i>		
	109.23	
<i>For Owner Furnished Material, Deduct</i>		
	-4,442.11	



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 19 00-0334		Reduced Pressure Zone Assemblies With Outside Stem And Yoke Shut-Offs (22 11 19 00-0289) Note: Includes ball type test cocks, two outside stem and yoke resilient seated bronze body gate valves, and captured spring assemblies (Watts 909 OSY BB series).		
22 11 19 00-0335	EA	2-1/2" Flanged Reduced Pressure Zone Assembly With Outside Stem And Yoke Shut-offs (Watts 909 OSY BB series).....	4,450.47	246.15
		<i>For Work In Restricted Working Space, Add</i>	98.46	
		<i>For Owner Furnished Material, Deduct</i>	-4,122.27	
22 11 19 00-0336	EA	3" Flanged Reduced Pressure Zone Assembly With Outside Stem And Yoke Shut-offs (Watts 909 OSY BB series).....	5,160.47	276.92
		<i>For Work In Restricted Working Space, Add</i>	109.23	
		<i>For Owner Furnished Material, Deduct</i>	-4,796.37	
22 11 19 00-0337		Double Check Detector Assemblies (22 11 19 00-0153)		
22 11 19 00-0338		Flanged Double Check Detector Assemblies With Meter (22 11 19 00-0337)		
22 11 19 00-0339		Double Check Detector Assembly With Outside Stem And Yoke Shut-Offs And Meter (22 11 19 00-0338) Note: Includes ball type test cocks, two outside stem and yoke resilient seated iron body gate valves, two epoxy coated iron body check valves, and meter (Watts 709 DCDA OSY series).		
22 11 19 00-0340	EA	3" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs And Meter (Watts 007 DCDA OSY series).....	3,780.90	276.92
		<i>For Work In Restricted Working Space, Add</i>	109.23	
		<i>For Owner Furnished Material, Deduct</i>	-3,416.80	
22 11 19 00-0341	EA	4" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs And Meter (Watts 007 DCDA OSY series).....	4,042.74	410.25
		<i>For Work In Restricted Working Space, Add</i>	164.00	
		<i>For Owner Furnished Material, Deduct</i>	-3,496.08	
22 11 19 00-0342	EA	6" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs And Meter (Watts 007 DCDA OSY series).....	5,592.39	582.69
		<i>For Work In Restricted Working Space, Add</i>	315.78	
		<i>For Owner Furnished Material, Deduct</i>	-4,539.79	
22 11 19 00-0343	EA	8" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs And Meter (Watts 007 DCDA OSY series).....	9,784.83	874.03
		<i>For Work In Restricted Working Space, Add</i>	473.67	
		<i>For Owner Furnished Material, Deduct</i>	-8,205.93	
22 11 19 00-0344	EA	10" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs And Meter (Watts 007 DCDA OSY series).....	13,094.36	1,033.80
		<i>For Work In Restricted Working Space, Add</i>	563.89	
		<i>For Owner Furnished Material, Deduct</i>	-11,214.73	
22 11 19 00-0345		Double Check Detector Assembly With Outside Stem And Yoke Shut-Offs And Meter (22 11 19 00-0338) Note: Includes ball type test cocks, two outside stem and yoke resilient seated iron body gate valves, single stainless steel housing and sleeve for two check valves, and meter (Watts 757 DCDA OSY series).		
22 11 19 00-0346	EA	2-1/2" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs And Meter (Watts 757 DCDA OSY series).....	2,859.49	246.15
		<i>For Work In Restricted Working Space, Add</i>	98.46	
		<i>For Owner Furnished Material, Deduct</i>	-2,531.29	
22 11 19 00-0347	EA	3" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs And Meter (Watts 757 DCDA OSY series).....	3,060.61	276.92
		<i>For Work In Restricted Working Space, Add</i>	109.23	
		<i>For Owner Furnished Material, Deduct</i>	-2,696.51	
22 11 19 00-0348	EA	4" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs And Meter (Watts 757 DCDA OSY series).....	3,412.48	410.25
		<i>For Work In Restricted Working Space, Add</i>	164.00	
		<i>For Owner Furnished Material, Deduct</i>	-2,865.82	
22 11 19 00-0349	EA	6" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs And Meter (Watts 757 DCDA OSY series).....	4,773.84	582.69
		<i>For Work In Restricted Working Space, Add</i>	315.78	
		<i>For Owner Furnished Material, Deduct</i>	-3,721.24	
22 11 19 00-0350	EA	8" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs And Meter (Watts 757 DCDA OSY series).....	8,305.37	874.03
		<i>For Work In Restricted Working Space, Add</i>	473.67	
		<i>For Owner Furnished Material, Deduct</i>	-6,726.47	
22 11 19 00-0351	EA	10" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs And Meter (Watts 757 DCDA OSY series).....	9,802.52	1,033.80
		<i>For Work In Restricted Working Space, Add</i>	563.89	
		<i>For Owner Furnished Material, Deduct</i>	-7,922.89	
22 11 19 00-0352		Double Check Detector Assembly With Butterfly Valves And Meter (22 11 19 00-0338) Note: Includes ball type test cocks, two resilient seated iron body butterfly valves, single stainless steel housing and sleeve for two check valves, and meter (Watts 757 DCDA BFG series).		
22 11 19 00-0353	EA	2-1/2" Flanged Double Check Detector Assembly With Butterfly Valves And Meter (Watts 757 DCDA BFG series).....	3,018.76	246.15
		<i>For Work In Restricted Working Space, Add</i>	98.46	
		<i>For Owner Furnished Material, Deduct</i>	-2,690.56	
22 11 19 00-0354	EA	3" Flanged Double Check Detector Assembly With Butterfly Valves And Meter (Watts 757 DCDA BFG series).....	3,219.89	276.92
		<i>For Work In Restricted Working Space, Add</i>	109.23	
		<i>For Owner Furnished Material, Deduct</i>	-2,855.79	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 19 00-0355	EA		4" Flanged Double Check Detector Assembly With Butterfly Valves And Meter (Watts 757 DCDA BFG series) <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	3,571.72 164.00 -3,025.06	410.25
22 11 19 00-0356	EA		6" Flanged Double Check Detector Assembly With Butterfly Valves And Meter (Watts 757 DCDA BFG series) <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	4,937.09 315.78 -3,884.49	582.69
22 11 19 00-0357	EA		8" Flanged Double Check Detector Assembly With Butterfly Valves And Meter (Watts 757 DCDA BFG series) <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	8,109.50 473.67 -6,530.60	874.03
22 11 19 00-0358			Flanged Double Check Detector Assemblies Without Meter <small>(22 11 19 00-0337)</small>		
22 11 19 00-0359			Double Check Detector Assembly With Outside Stem And Yoke Shut-Offs Less Meter <small>(22 11 19 00-0358)</small> Note: Includes ball type test cocks, two outside stem and yoke resilient seated iron body gate valves, single stainless steel housing and sleeve for two check valves (Watts 757 DCDA OSY LM series).		
22 11 19 00-0360	EA		2-1/2" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs Less Meter (Watts 757 DCDA OSY LM series) <i>For Work In Restricted Working Space, Add</i>	2,809.20 98.46	246.15
22 11 19 00-0361	EA		3" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs Less Meter (Watts 757 DCDA OSY LM series) <i>For Work In Restricted Working Space, Add</i>	3,010.35 109.23	276.92
22 11 19 00-0362	EA		4" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs Less Meter (Watts 757 DCDA OSY LM series) <i>For Work In Restricted Working Space, Add</i>	3,362.21 164.00	410.25
22 11 19 00-0363	EA		6" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs Less Meter (Watts 757 DCDA OSY LM series) <i>For Work In Restricted Working Space, Add</i>	4,723.57 315.78	582.69
22 11 19 00-0364	EA		8" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs Less Meter (Watts 757 DCDA OSY LM series) <i>For Work In Restricted Working Space, Add</i>	8,255.14 473.67	874.03
22 11 19 00-0365	EA		10" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs Less Meter (Watts 757 DCDA OSY LM series) <i>For Work In Restricted Working Space, Add</i>	9,752.21 563.89	1,033.80
22 11 19 00-0366			Double Check Detector Assembly With Butterfly Valves Less Meter <small>(22 11 19 00-0358)</small> Note: Includes ball type test cocks, two butterfly resilient seated iron body butterfly valves, single stainless steel housing and sleeve for two check valves (Watts 757 DCDA BFG LM series).		
22 11 19 00-0367	EA		2-1/2" Flanged Double Check Detector Assembly With Butterfly Valves Less Meter (Watts 757 DCDA BFG LM series) <i>For Work In Restricted Working Space, Add</i>	2,968.46 98.46	246.15
22 11 19 00-0368	EA		3" Flanged Double Check Detector Assembly With Butterfly Valves Less Meter (Watts 757 DCDA BFG LM series) <i>For Work In Restricted Working Space, Add</i>	3,169.59 109.23	276.92
22 11 19 00-0369	EA		4" Flanged Double Check Detector Assembly With Butterfly Valves Less Meter (Watts 757 DCDA BFG LM series) <i>For Work In Restricted Working Space, Add</i>	3,521.45 164.00	410.25
22 11 19 00-0370	EA		6" Flanged Double Check Detector Assembly With Butterfly Valves Less Meter (Watts 757 DCDA BFG LM series) <i>For Work In Restricted Working Space, Add</i>	4,886.79 315.78	582.69
22 11 19 00-0371	EA		8" Flanged Double Check Detector Assembly With Butterfly Valves Less Meter (Watts 757 DCDA BFG LM series) <i>For Work In Restricted Working Space, Add</i>	8,418.39 473.67	874.03
22 11 19 00-0372			Flanged Double Check Detector Assemblies <small>(22 11 19 00-0337)</small>		
22 11 19 00-0373			Double Check Detector Assembly With Outside Stem And Yoke Shut-Offs <small>(22 11 19 00-0372)</small> Note: Includes ball type test cocks, two outside stem and yoke resilient seated iron body gate valves, single stainless steel housing and sleeve for two check valves, and meter (Watts 774 DCDA OSY series).		
22 11 19 00-0374	EA		2-1/2" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs (Watts 774 DCDA OSY series) <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	2,718.20 98.46 -2,390.00	246.15
22 11 19 00-0375	EA		3" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs (Watts 774 DCDA OSY series) <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	3,273.52 109.23 -2,909.42	276.92
22 11 19 00-0376	EA		4" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs (Watts 774 DCDA OSY series) <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	3,703.11 164.00 -3,156.45	410.25
22 11 19 00-0377	EA		6" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs (Watts 774 DCDA OSY series) <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	4,830.43 315.78 -3,777.83	582.69
22 11 19 00-0378	EA		8" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs (Watts 774 DCDA OSY series) <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	8,407.71 473.67 -6,828.81	874.03
22 11 19 00-0379	EA		10" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs (Watts 774 DCDA OSY series) <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	11,212.25 563.89 -9,332.62	1,033.80



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 19 00-0380 EA 12" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs (Watts 774 DCDA OSY series).....	14,839.95	1,240.56
<i>For Work In Restricted Working Space, Add</i>	676.67	
<i>For Owner Furnished Material, Deduct</i>	-12,584.40	
22 11 19 00-0381 Backflow Preventer Accessories (22 11 19 00-0153)		
22 11 19 00-0382 Air Gap (22 11 19 00-0381)		
22 11 19 00-0383 EA Up To 1" Diameter Air Gap For Backflow Preventer	75.20	13.93
22 11 19 00-0384 EA 1-1/4" To 2" Diameter Air Gap For Backflow Preventer	92.12	16.71
22 11 19 00-0385 EA 2-1/2" To 3" Diameter Air Gap For Backflow Preventer	164.03	22.29
22 11 19 00-0386 EA 4" To 6" Diameter Air Gap For Backflow Preventer	319.47	39.00
22 11 19 00-0387 EA 8" To 10" Diameter Air Gap For Backflow Preventer	352.90	55.71
22 11 19 00-0388 Brass Test Cocks (22 11 19 00-0381)		
22 11 19 00-0389 EA 1/8" Or 1/4" Brass Test Cock.....	25.19	5.57
22 11 19 00-0390 Backflow Valve Enclosures (22 11 19 00-0153)		
22 11 19 00-0391 Flip-Top, Insulated Fiberglass Valve Enclosures (22 11 19 00-0390)		
Note: Dimensions listed are inside dimensions. Includes anchor kit. Excludes concrete pad.		
22 11 19 00-0392 EA 19" Length x 11" Width x 22" Height, Flip-Top, Insulated Fiberglass Valve Enclosure	661.02	100.29
<i>For Heated Enclosure, Add</i>	74.08	
22 11 19 00-0393 EA 27" Length x 13" Width x 23" Height, Flip-Top, Insulated Fiberglass Valve Enclosure	799.21	100.29
<i>For Heated Enclosure, Add</i>	94.81	
22 11 19 00-0394 EA 27" Length x 13" Width x 35" Height, Flip-Top, Insulated Fiberglass Valve Enclosure	992.58	92.31
<i>For Heated Enclosure, Add</i>	125.81	
22 11 19 00-0395 EA 33" Length x 21" Width x 25" Height, Flip-Top, Insulated Fiberglass Valve Enclosure	1,047.47	123.08
<i>For Heated Enclosure, Add</i>	126.35	
22 11 19 00-0396 EA 39" Length x 13" Width x 28" Height, Flip-Top, Insulated Fiberglass Valve Enclosure	1,094.33	123.08
<i>For Heated Enclosure, Add</i>	133.38	
22 11 19 00-0397 EA 47" Length x 13" Width x 28" Height, Flip-Top, Insulated Fiberglass Valve Enclosure	1,276.98	123.08
<i>For Heated Enclosure, Add</i>	160.78	
22 11 19 00-0398 EA 39" Length x 13" Width x 36" Height, Flip-Top, Insulated Fiberglass Valve Enclosure	1,281.79	123.08
<i>For Heated Enclosure, Add</i>	161.50	
22 11 19 00-0399 EA 47" Length x 13" Width x 36" Height, Flip-Top, Insulated Fiberglass Valve Enclosure	1,593.01	123.08
<i>For Heated Enclosure, Add</i>	208.18	
22 11 19 00-0400 EA 70" Length x 26" Width x 45" Height, Flip-Top, Insulated Fiberglass Valve Enclosure	3,611.00	184.61
<i>For Heated Enclosure, Add</i>	495.50	
22 11 19 00-0401 EA 83" Length x 26" Width x 45" Height, Flip-Top, Insulated Fiberglass Valve Enclosure	5,181.54	184.61
<i>For Heated Enclosure, Add</i>	731.08	
22 11 19 00-0402 EA 70" Length x 26" Width x 55" Height, Flip-Top, Insulated Fiberglass Valve Enclosure	4,929.20	184.61
<i>For Heated Enclosure, Add</i>	693.23	
22 11 19 00-0403 EA 83" Length x 26" Width x 55" Height, Flip-Top, Insulated Fiberglass Valve Enclosure	5,930.97	215.38
<i>For Heated Enclosure, Add</i>	835.80	
22 11 19 00-0404 One-Piece Drop Over, Insulated Fiberglass Valve Enclosures (22 11 19 00-0390)		
Note: Dimensions listed are inside dimensions. Includes anchor kit. Excludes concrete pad.		
22 11 19 00-0405 EA 20" Length x 6-1/2" Width x 22" Height, One-Piece Drop Over, Insulated Fiberglass Valve Enclosure.....	344.98	26.74
<i>For Heated Enclosure, Add</i>	60.08	
22 11 19 00-0406 EA 27" Length x 14" Width x 26" Height, One-Piece Drop Over, Insulated Fiberglass Valve Enclosure	472.35	26.74
<i>For Heated Enclosure, Add</i>	85.56	
22 11 19 00-0407 EA 38-1/2" Length x 12" Width x 28" Height, One-Piece Drop Over, Insulated Fiberglass Valve Enclosure.....	586.57	24.62
<i>For Heated Enclosure, Add</i>	109.11	
22 11 19 00-0408 EA 47" Length x 13" Width x 28" Height, One-Piece Drop Over, Insulated Fiberglass Valve Enclosure	877.37	24.62
<i>For Heated Enclosure, Add</i>	167.27	
22 11 19 00-0409 EA 70" Length x 26" Width x 45" Height, One-Piece Drop Over, Insulated Fiberglass Valve Enclosure	2,259.11	46.15
<i>For Heated Enclosure, Add</i>	436.44	
22 11 19 00-0410 EA 83" Length x 26" Width x 45" Height, One-Piece Drop Over, Insulated Fiberglass Valve Enclosure	3,072.62	46.15
<i>For Heated Enclosure, Add</i>	599.14	
22 11 19 00-0411 EA 45" Length x 35" Width x 35" Height, One-Piece Drop Over, Insulated Fiberglass Valve Enclosure	2,057.23	46.15
<i>For Heated Enclosure, Add</i>	396.06	
22 11 19 00-0412 EA 53" Length x 44" Width x 44" Height, One-Piece Drop Over, Insulated Fiberglass Valve Enclosure	2,324.00	46.15
<i>For Heated Enclosure, Add</i>	449.41	
22 11 19 00-0413 EA 61" Length x 52" Width x 50" Height, One-Piece Drop Over, Insulated Fiberglass Valve Enclosure	3,618.16	46.15
<i>For Heated Enclosure, Add</i>	708.25	
22 11 19 00-0414 Sectional, Insulated Aluminum Valve Enclosures (22 11 19 00-0390)		
Note: Dimensions listed are inside dimensions. Includes anchor kit. Excludes concrete pad.		
22 11 19 00-0415 EA 70" Length x 26" Width x 55" Height, Sectional, Insulated Aluminum Valve Enclosure	4,674.62	200.58
<i>For Heated Enclosure, Add</i>	651.05	
<i>For One 24" Fluorescent Light Fixture, Add</i>	413.60	
<i>For Two 24" Fluorescent Light Fixture, Add</i>	740.13	
22 11 19 00-0416 EA 83" Length x 26" Width x 55" Height, Sectional, Insulated Aluminum Valve Enclosure	5,139.66	200.58
<i>For Heated Enclosure, Add</i>	720.80	
<i>For One 24" Fluorescent Light Fixture, Add</i>	413.60	
<i>For Two 24" Fluorescent Light Fixture, Add</i>	740.13	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 19 00-0417	EA		53" Length x 33" Width x 44" Height, Sectional, Insulated Aluminum Valve Enclosure <i>For Heated Enclosure, Add</i> <i>For One 24" Fluorescent Light Fixture, Add</i> <i>For Two 24" Fluorescent Light Fixture, Add</i>	3,667.48 503.97 413.60 740.13	184.61
22 11 19 00-0418	EA		53" Length x 44" Width x 44" Height, Sectional, Insulated Aluminum Valve Enclosure <i>For Heated Enclosure, Add</i> <i>For One 24" Fluorescent Light Fixture, Add</i> <i>For Two 24" Fluorescent Light Fixture, Add</i>	4,011.14 555.52 413.60 740.13	184.61
22 11 19 00-0419	EA		90" Length x 32" Width x 50-1/2" Height, Sectional, Insulated Aluminum Valve Enclosure <i>For Heated Enclosure, Add</i> <i>For One 24" Fluorescent Light Fixture, Add</i> <i>For Two 24" Fluorescent Light Fixture, Add</i>	4,686.89 641.50 413.60 740.13	246.15
22 11 19 00-0420	EA		102" Length x 32" Width x 50-1/2" Height, Sectional, Insulated Aluminum Valve Enclosure <i>For Heated Enclosure, Add</i> <i>For One 24" Fluorescent Light Fixture, Add</i> <i>For Two 24" Fluorescent Light Fixture, Add</i>	5,237.24 724.05 413.60 740.13	246.15
22 11 19 00-0421	EA		90" Length x 32" Width x 57-1/2" Height, Sectional, Insulated Aluminum Valve Enclosure <i>For Heated Enclosure, Add</i> <i>For One 24" Fluorescent Light Fixture, Add</i> <i>For Two 24" Fluorescent Light Fixture, Add</i>	5,237.24 724.05 413.60 740.13	246.15
22 11 19 00-0422	EA		102" Length x 32" Width x 57-1/2" Height, Sectional, Insulated Aluminum Valve Enclosure <i>For Heated Enclosure, Add</i> <i>For One 24" Fluorescent Light Fixture, Add</i> <i>For Two 24" Fluorescent Light Fixture, Add</i>	5,770.77 804.08 413.60 740.13	246.15
22 11 19 00-0423	EA		62" Length x 39" Width x 46" Height, Sectional, Insulated Aluminum Valve Enclosure <i>For Heated Enclosure, Add</i> <i>For One 24" Fluorescent Light Fixture, Add</i> <i>For Two 24" Fluorescent Light Fixture, Add</i>	4,352.02 598.96 413.60 740.13	215.38
22 11 19 00-0424	EA		62" Length x 53" Width x 46" Height, Sectional, Insulated Aluminum Valve Enclosure <i>For Heated Enclosure, Add</i> <i>For One 24" Fluorescent Light Fixture, Add</i> <i>For Two 24" Fluorescent Light Fixture, Add</i>	5,091.84 702.24 413.60 740.13	246.15
22 11 19 00-0425	EA		105" Length x 36" Width x 53" Height, Sectional, Insulated Aluminum Valve Enclosure <i>For Heated Enclosure, Add</i> <i>For One 24" Fluorescent Light Fixture, Add</i> <i>For Two 24" Fluorescent Light Fixture, Add</i>	5,924.58 827.15 413.60 740.13	246.15
22 11 19 00-0426	EA		125" Length x 36" Width x 53" Height, Sectional, Insulated Aluminum Valve Enclosure <i>For Heated Enclosure, Add</i> <i>For One 24" Fluorescent Light Fixture, Add</i> <i>For Two 24" Fluorescent Light Fixture, Add</i>	6,498.16 909.34 413.60 740.13	261.54
22 11 19 00-0427	EA		105" Length x 36" Width x 64" Height, Sectional, Insulated Aluminum Valve Enclosure <i>For Heated Enclosure, Add</i> <i>For One 24" Fluorescent Light Fixture, Add</i> <i>For Two 24" Fluorescent Light Fixture, Add</i>	6,674.05 930.07 413.60 740.13	284.16
22 11 19 00-0428	EA		125" Length x 36" Width x 64" Height, Sectional, Insulated Aluminum Valve Enclosure <i>For Heated Enclosure, Add</i> <i>For One 24" Fluorescent Light Fixture, Add</i> <i>For Two 24" Fluorescent Light Fixture, Add</i>	7,389.25 1,033.17 413.60 740.13	300.87
22 11 19 00-0429	EA		105" Length x 36" Width x 80" Height, Sectional, Insulated Aluminum Valve Enclosure <i>For Heated Enclosure, Add</i> <i>For One 24" Fluorescent Light Fixture, Add</i> <i>For Two 24" Fluorescent Light Fixture, Add</i>	7,624.51 1,074.45 413.60 740.13	276.92
22 11 19 00-0430	EA		72" Length x 45" Width x 52" Height, Sectional, Insulated Aluminum Valve Enclosure <i>For Heated Enclosure, Add</i> <i>For One 24" Fluorescent Light Fixture, Add</i> <i>For Two 24" Fluorescent Light Fixture, Add</i>	5,564.08 773.07 413.60 740.13	246.15
22 11 19 00-0431	EA		72" Length x 45" Width x 60" Height, Sectional, Insulated Aluminum Valve Enclosure <i>For Heated Enclosure, Add</i> <i>For One 24" Fluorescent Light Fixture, Add</i> <i>For Two 24" Fluorescent Light Fixture, Add</i>	5,920.97 826.61 413.60 740.13	246.15
22 11 19 00-0432	EA		72" Length x 65" Width x 52" Height, Sectional, Insulated Aluminum Valve Enclosure <i>For Heated Enclosure, Add</i> <i>For One 24" Fluorescent Light Fixture, Add</i> <i>For Two 24" Fluorescent Light Fixture, Add</i>	6,689.22 938.00 413.60 740.13	261.54
22 11 19 00-0433	EA		72" Length x 65" Width x 60" Height, Sectional, Insulated Aluminum Valve Enclosure <i>For Heated Enclosure, Add</i> <i>For One 24" Fluorescent Light Fixture, Add</i> <i>For Two 24" Fluorescent Light Fixture, Add</i>	8,082.33 1,143.12 413.60 740.13	276.92
22 11 19 00-0434	EA		118" Length x 40" Width x 58" Height, Sectional, Insulated Aluminum Valve Enclosure <i>For Heated Enclosure, Add</i> <i>For One 24" Fluorescent Light Fixture, Add</i> <i>For Two 24" Fluorescent Light Fixture, Add</i>	7,074.15 991.89 413.60 740.13	123.08
22 11 19 00-0435	EA		142" Length x 40" Width x 58" Height, Sectional, Insulated Aluminum Valve Enclosure <i>For Heated Enclosure, Add</i> <i>For One 24" Fluorescent Light Fixture, Add</i> <i>For Two 24" Fluorescent Light Fixture, Add</i>	8,475.67 1,198.28 413.60 740.13	123.08
22 11 19 00-0436	EA		118" Length x 40" Width x 74" Height, Sectional, Insulated Aluminum Valve Enclosure <i>For Heated Enclosure, Add</i> <i>For One 24" Fluorescent Light Fixture, Add</i> <i>For Two 24" Fluorescent Light Fixture, Add</i>	8,200.50 1,157.00 413.60 740.13	184.61
22 11 19 00-0437	EA		142" Length x 40" Width x 74" Height, Sectional, Insulated Aluminum Valve Enclosure <i>For Heated Enclosure, Add</i> <i>For One 24" Fluorescent Light Fixture, Add</i> <i>For Two 24" Fluorescent Light Fixture, Add</i>	9,505.10 1,345.00 413.60 740.13	184.61

22	Plumbing
22 10	Plumbing Piping
22 11	Facility Water Distribution



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 19 00-0438 EA 142" Length x 42" Width x 65" Height, Sectional, Insulated Aluminum Valve Enclosure <i>For Heated Enclosure, Add</i> <i>For One 24" Fluorescent Light Fixture, Add</i> <i>For Two 24" Fluorescent Light Fixture, Add</i>	8,776.49 1,239.55 413.60 740.13	184.61
22 11 19 00-0439 EA 172" Length x 42" Width x 65" Height, Sectional, Insulated Aluminum Valve Enclosure <i>For Heated Enclosure, Add</i> <i>For One 24" Fluorescent Light Fixture, Add</i> <i>For Two 24" Fluorescent Light Fixture, Add</i>	10,244.50 1,452.06 413.60 740.13	215.38
22 11 19 00-0440 EA 142" Length x 42" Width x 85" Height, Sectional, Insulated Aluminum Valve Enclosure <i>For Heated Enclosure, Add</i> <i>For One 24" Fluorescent Light Fixture, Add</i> <i>For Two 24" Fluorescent Light Fixture, Add</i>	10,295.78 1,452.06 413.60 740.13	184.61
22 11 19 00-0441 EA 172" Length x 42" Width x 85" Height, Sectional, Insulated Aluminum Valve Enclosure <i>For Heated Enclosure, Add</i> <i>For One 24" Fluorescent Light Fixture, Add</i> <i>For Two 24" Fluorescent Light Fixture, Add</i>	12,191.58 1,728.74 413.60 740.13	184.61
22 11 19 00-0442 Faucets (Hose Bibbs) (22 11 19)		
22 11 19 00-0443 Bronze Garden Hose Valves (Hose Bibbs), Screwed Ends (22 11 19 00-0442)		
22 11 19 00-0444 EA 1/2", 125 LB Bronze Garden Hose Valves (Hose Bibbs), Screwed Ends	52.14	11.14
22 11 19 00-0445 EA 3/4" Faucet, Bronze Garden Hose Valve With Screwed Ends, 125#	61.45	12.26
22 11 19 00-0446 EA 3/4" Hose Valve With Screwed Ends And Vacuum Breaker, 125#	16.91	8.36
22 11 19 00-0447 Chrome Plated Brass Hose Valves, Screwed Ends (22 11 19 00-0442)		
22 11 19 00-0448 EA 3/4" Hose Valve With Screwed Ends; Chicago Faucets #387-CP	114.40	34.10
22 11 19 00-0449 Antisiphon Freezeless Wall Faucet (22 11 19 00-0442)		
22 11 19 00-0450 EA 4" Long, 1/2" Antisiphon Freezeless Wall Faucet	119.06	27.86
22 11 19 00-0451 EA 6" Long, 1/2" Antisiphon Freezeless Wall Faucet	129.63	30.87
22 11 19 00-0452 EA 8" Long, 1/2" Antisiphon Freezeless Wall Faucet	137.39	32.65
22 11 19 00-0453 EA 10" Long, 1/2" Antisiphon Freezeless Wall Faucet	145.15	34.99
22 11 19 00-0454 EA 12" Long, 1/2" Antisiphon Freezeless Wall Faucet	153.02	37.10
22 11 19 00-0455 Escutcheons (22 11 19)		
22 11 19 00-0456 Brass Escutcheons (22 11 19 00-0455)		
22 11 19 00-0457 Shallow Brass Escutcheons (22 11 19 00-0456)		
22 11 19 00-0458 EA 3/8" IPS, Antique Or Polished Brass Shallow Escutcheon	11.64	2.78
22 11 19 00-0459 EA 1/2" IPS, Antique Or Polished Brass Shallow Escutcheon	12.47	2.78
22 11 19 00-0460 Deep Bell Brass Escutcheons (22 11 19 00-0456)		
22 11 19 00-0461 EA 3/8" IPS, Antique Or Polished Deep Bell Brass Escutcheon	13.55	3.12
22 11 19 00-0462 EA 1/2" IPS, Antique Or Polished Deep Bell Brass Escutcheon	13.57	3.12
22 11 19 00-0463 Chrome Plated Brass Escutcheons With Setscrew (22 11 19 00-0456)		
22 11 19 00-0464 EA 3/8" IPS, Chrome Plated Brass Escutcheon With Setscrew	14.03	2.78
22 11 19 00-0465 EA 1/2" IPS, Chrome Plated Brass Escutcheon With Setscrew	14.15	2.78
22 11 19 00-0466 EA 5/8" IPS, Chrome Plated Brass Escutcheon With Setscrew	14.32	2.78
22 11 19 00-0467 EA 3/4" IPS, Chrome Plated Brass Escutcheon With Setscrew	14.94	2.78
22 11 19 00-0468 EA 7/8" IPS, Chrome Plated Brass Escutcheon With Setscrew	15.29	3.35
22 11 19 00-0469 EA 1" IPS, Chrome Plated Brass Escutcheon With Setscrew	15.89	3.35
22 11 19 00-0470 EA 1-1/4" IPS, Chrome Plated Brass Escutcheon With Setscrew	16.63	3.68
22 11 19 00-0471 EA 1-1/2" IPS, Chrome Plated Brass Escutcheon With Setscrew	17.50	3.90
22 11 19 00-0472 EA 2" IPS, Chrome Plated Brass Escutcheon With Setscrew	24.02	4.46
22 11 19 00-0473 Plastic Escutcheons (22 11 19 00-0455)		
22 11 19 00-0474 Split-Ring White Plastic Escutcheons (22 11 19 00-0473)		
22 11 19 00-0475 EA 3/8" IPS, Split-Ring White Plastic Escutcheon	5.79	2.78
22 11 19 00-0476 EA 1/2" IPS, Split-Ring White Plastic Escutcheon	5.79	2.78
22 11 19 00-0477 EA 3/4" IPS, Split-Ring White Plastic Escutcheon	6.46	3.11
22 11 19 00-0478 EA 1" IPS, Split-Ring White Plastic Escutcheon	7.03	3.33
22 11 19 00-0479 EA 1-1/4" IPS, Split-Ring White Plastic Escutcheon	7.60	3.67
22 11 19 00-0480 EA 1-1/2" IPS, Split-Ring White Plastic Escutcheon	8.18	3.89
22 11 19 00-0481 EA 2" IPS, Split-Ring White Plastic Escutcheon	9.33	4.44
22 11 19 00-0482 EA 2-1/2" IPS, Split-Ring White Plastic Escutcheon	10.37	4.79
22 11 19 00-0483 EA 3" IPS, Split-Ring White Plastic Escutcheon	11.41	5.01
22 11 19 00-0484 EA 4" IPS, Split-Ring White Plastic Escutcheon	13.01	5.56
22 11 19 00-0485 Chrome Plate Plastic Escutcheons (22 11 19 00-0473)		
22 11 19 00-0486 EA 1/2" IPS, Chrome Plate Plastic Escutcheon	6.20	2.78
22 11 19 00-0487 EA 3/4" IPS, Chrome Plate Plastic Escutcheon	6.81	3.11



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 19 00-0488	EA			1" IPS, Chrome Plate Plastic Escutcheon.....	7.48	3.33
22 11 19 00-0489	EA			1-1/4" IPS, Chrome Plate Plastic Escutcheon	8.15	3.67
22 11 19 00-0490	EA			1-1/2" IPS, Chrome Plate Plastic Escutcheon	8.72	3.89
22 11 19 00-0491	EA			2" IPS, Chrome Plate Plastic Escutcheon.....	10.26	4.44
22 11 19 00-0492	EA			2-1/2" IPS, Chrome Plate Plastic Escutcheon	12.04	4.79
22 11 19 00-0493	EA			3" IPS, Chrome Plate Plastic Escutcheon.....	12.64	5.01
22 11 19 00-0494	EA			4" IPS, Chrome Plate Plastic Escutcheon.....	13.86	5.56
22 11 19 00-0495 Stainless Steel Escutcheons (22 11 19 00-0455)						
22 11 19 00-0496 Shallow Stainless Steel Escutcheons (22 11 19 00-0495)						
22 11 19 00-0497	EA			3/8" IPS, Shallow Stainless Steel Escutcheon.....	12.30	2.78
22 11 19 00-0498	EA			1/2" IPS, Shallow Stainless Steel Escutcheon.....	12.30	2.78
22 11 19 00-0499	EA			3/4" IPS, Shallow Stainless Steel Escutcheon.....	16.29	3.12
22 11 19 00-0500 Chrome Plated Steel Escutcheons (22 11 19 00-0455)						
22 11 19 00-0501 Split-Ring Chrome Plated Steel Escutcheons (22 11 19 00-0500)						
22 11 19 00-0502	EA			1/2" IPS, Split-Ring Chrome Plated Steel Escutcheon.....	5.91	2.78
22 11 19 00-0503	EA			3/4" IPS, Split-Ring Chrome Plated Steel Escutcheon.....	6.47	3.11
22 11 19 00-0504	EA			1" IPS, Split-Ring Chrome Plated Steel Escutcheon.....	7.09	3.33
22 11 19 00-0505	EA			1-1/4" IPS, Split-Ring Chrome Plated Steel Escutcheon	7.64	3.67
22 11 19 00-0506	EA			1-1/2" IPS, Split-Ring Chrome Plated Steel Escutcheon	8.20	3.89
22 11 19 00-0507	EA			2" IPS, Split-Ring Chrome Plated Steel Escutcheon.....	9.42	4.44
22 11 19 00-0508	EA			2-1/2" IPS, Split-Ring Chrome Plated Steel Escutcheon	12.35	4.79
22 11 19 00-0509	EA			3" IPS, Split-Ring Chrome Plated Steel Escutcheon	13.09	5.01
22 11 19 00-0510	EA			3-1/2" IPS, Split-Ring Chrome Plated Steel Escutcheon	15.31	5.34
22 11 19 00-0511	EA			4" IPS, Split-Ring Chrome Plated Steel Escutcheon.....	14.37	5.56
22 11 19 00-0512	EA			5" IPS, Split-Ring Chrome Plated Steel Escutcheon.....	17.56	6.12
22 11 19 00-0513	EA			6" IPS, Split-Ring Chrome Plated Steel Escutcheon.....	20.05	6.67
22 11 19 00-0514 Split-Ring/Springs Chrome Plated Steel Escutcheons (22 11 19 00-0500)						
22 11 19 00-0515	EA			3/8" IPS, Split-Ring/Springs Chrome Plated Steel Escutcheon	7.90	2.78
22 11 19 00-0516	EA			1/2" IPS, Split-Ring/Springs Chrome Plated Steel Escutcheon	7.90	2.78
22 11 19 00-0517	EA			3/4" IPS, Split-Ring/Springs Chrome Plated Steel Escutcheon	8.54	3.11
22 11 19 00-0518	EA			1" IPS, Split-Ring/Springs Chrome Plated Steel Escutcheon	9.33	3.33
22 11 19 00-0519	EA			1-1/4" IPS, Split-Ring/Springs Chrome Plated Steel Escutcheon	10.15	3.67
22 11 19 00-0520	EA			1-1/2" IPS, Split-Ring/Springs Chrome Plated Steel Escutcheon	10.81	3.89
22 11 19 00-0521	EA			2" IPS, Split-Ring/Springs Chrome Plated Steel Escutcheon	12.67	4.44
22 11 19 00-0522	EA			2-1/2" IPS, Split-Ring/Springs Chrome Plated Steel Escutcheon	14.21	4.79
22 11 19 00-0523	EA			3" IPS, Split-Ring/Springs Chrome Plated Steel Escutcheon	16.63	5.01
22 11 19 00-0524	EA			3-1/2" IPS, Split-Ring/Springs Chrome Plated Steel Escutcheon	19.63	5.34
22 11 19 00-0525	EA			4" IPS, Split-Ring/Springs Chrome Plated Steel Escutcheon	20.10	5.56
22 11 19 00-0526	EA			5" IPS, Split-Ring/Springs Chrome Plated Steel Escutcheon	30.34	6.12
22 11 19 00-0527	EA			6" IPS, Split-Ring/Springs Chrome Plated Steel Escutcheon	31.94	6.67
22 11 19 00-0528 Deep Bell Chrome Plated Steel Escutcheons (22 11 19 00-0500)						
22 11 19 00-0529	EA			3/8" IPS, Deep Bell Chrome Plated Steel Escutcheon.....	7.01	3.12
22 11 19 00-0530	EA			1/2" IPS, Deep Bell Chrome Plated Steel Escutcheon.....	6.95	3.12
22 11 19 00-0531	EA			3/4" IPS, Deep Bell Chrome Plated Steel Escutcheon.....	6.83	3.12
22 11 19 00-0532	EA			1" IPS, Deep Bell Chrome Plated Steel Escutcheon.....	7.42	3.35
22 11 19 00-0533	EA			1-1/4" IPS, Deep Bell Chrome Plated Steel Escutcheon	8.06	3.68
22 11 19 00-0534	EA			1-1/2" IPS, Deep Bell Chrome Plated Steel Escutcheon	8.78	3.90
22 11 19 00-0535 Shallow Chrome Plated Steel Escutcheons (22 11 19 00-0500)						
22 11 19 00-0536	EA			3/8" IPS, Shallow Chrome Plated Steel Escutcheon.....	6.60	2.78
22 11 19 00-0537	EA			1/2" IPS, Shallow Chrome Plated Steel Escutcheon.....	6.60	2.78
22 11 19 00-0538	EA			3/4" IPS, Shallow Chrome Plated Steel Escutcheon.....	6.65	2.78
22 11 19 00-0539	EA			1" IPS, Shallow Chrome Plated Steel Escutcheon.....	7.07	3.35
22 11 19 00-0540	EA			1-1/4" IPS, Shallow Chrome Plated Steel Escutcheon	7.67	3.68
22 11 19 00-0541	EA			1-1/2" IPS, Shallow Chrome Plated Steel Escutcheon	8.39	3.90
22 11 19 00-0542	EA			2" IPS, Shallow Chrome Plated Steel Escutcheon.....	9.54	4.46
22 11 19 00-0543 Keyed, Recessed Valve Boxes (22 11 19)						
22 11 19 00-0544	EA			8" x 8" x 4" Painted Steel, Keyed, Recessed Valve Box.....	214.47	33.35
22 11 19 00-0545	EA			8" x 8" x 6" Painted Steel, Keyed, Recessed Valve Box.....	235.58	33.35
22 11 19 00-0546	EA			8" x 8" x 8" Painted Steel, Keyed, Recessed Valve Box.....	267.24	33.35
22 11 19 00-0547	EA			12" x 12" x 4" Painted Steel, Keyed, Recessed Valve Box.....	268.36	44.47
22 11 19 00-0548	EA			12" x 12" x 6" Painted Steel, Keyed, Recessed Valve Box.....	300.03	44.47
22 11 19 00-0549	EA			12" x 12" x 8" Painted Steel, Keyed, Recessed Valve Box.....	309.53	44.47
22 11 19 00-0550	EA			8" x 8" x 4" Stainless Steel, Keyed, Recessed Valve Box.....	248.25	33.35
22 11 19 00-0551	EA			8" x 8" x 6" Stainless Steel, Keyed, Recessed Valve Box.....	294.69	33.35
22 11 19 00-0552	EA			8" x 8" x 8" Stainless Steel, Keyed, Recessed Valve Box.....	335.85	33.35
22 11 19 00-0553	EA			12" x 12" x 4" Stainless Steel, Keyed, Recessed Valve Box.....	327.47	44.47



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 19 00-0554 EA 12" x 12" x 6" Stainless Steel, Keyed, Recessed Valve Box.....	368.64	44.47
22 11 19 00-0555 EA 12" x 12" x 8" Stainless Steel, Keyed, Recessed Valve Box.....	384.47	44.47
22 11 23 Domestic Water Pumps (22 11)		
22 11 23 13 Domestic Water Packaged Booster Pumps And Tanks (22 11 23)		
Note: Includes motor starter and controls.		
22 11 23 13-0001 Simplex Domestic Water Packaged Booster Pumps And Tank (22 11 23 13)		
22 11 23 13-0002 EA 1 HP Simplex Domestic Water Packaged Booster Pump And Tank.....	8,237.20	328.20
22 11 23 13-0003 EA 1.5 HP Simplex Domestic Water Packaged Booster Pump And Tank.....	8,632.48	441.01
22 11 23 13-0004 EA 2 HP Simplex Domestic Water Packaged Booster Pump And Tank.....	9,084.37	553.84
22 11 23 13-0005 EA 3 HP Simplex Domestic Water Packaged Booster Pump And Tank.....	9,507.96	666.65
22 11 23 13-0006 EA 5 HP Simplex Domestic Water Packaged Booster Pump And Tank.....	10,554.32	779.48
22 11 23 13-0007 EA 7.5 HP Simplex Domestic Water Packaged Booster Pump And Tank.....	11,742.22	892.29
22 11 23 13-0008 EA 10 HP Simplex Domestic Water Packaged Booster Pump And Tank.....	12,590.43	1,005.12
22 11 23 13-0009 Duplex Domestic Water Packaged Booster Pumps And Hydrocumulator (22 11 23 13)		
22 11 23 13-0010 EA 100 GPM Duplex Domestic Water Packaged Booster Pumps And Hydrocumulator.....	22,480.76	1,326.22
22 11 23 13-0011 EA 200 GPM Duplex Domestic Water Packaged Booster Pumps And Hydrocumulator.....	26,946.93	1,409.11
22 11 23 13-0012 EA 300 GPM Duplex Domestic Water Packaged Booster Pumps And Hydrocumulator.....	31,431.14	1,492.00
22 11 23 13-0013 Triplex Domestic Water Packaged Booster Pumps And Hydrocumulator (22 11 23 13)		
22 11 23 13-0014 EA 200 GPM Triplex Domestic Water Packaged Booster Pumps And Hydrocumulator.....	29,360.19	1,409.11
22 11 23 13-0015 EA 300 GPM Triplex Domestic Water Packaged Booster Pumps And Hydrocumulator.....	36,373.36	1,492.00
22 11 23 13-0016 EA 500 GPM Triplex Domestic Water Packaged Booster Pumps And Hydrocumulator.....	45,073.55	1,657.77
22 11 23 13-0017 EA 750 GPM Triplex Domestic Water Packaged Booster Pumps And Hydrocumulator.....	56,911.34	1,823.55
22 11 23 13-0018 EA 1,000 GPM Triplex Domestic Water Packaged Booster Pumps And Hydrocumulator.....	68,749.12	1,989.32
22 11 23 13-0019 EA 1,750 GPM Triplex Domestic Water Packaged Booster Pumps And Hydrocumulator.....	80,036.17	2,238.00
22 11 23 13-0020 EA 2,500 GPM Triplex Domestic Water Packaged Booster Pumps And Hydrocumulator.....	91,323.24	2,486.66
22 11 23 13-0021 EA 3,750 GPM Triplex Domestic Water Packaged Booster Pumps And Hydrocumulator.....	102,610.29	2,735.32
22 11 23 13-0022 EA 5,000 GPM Triplex Domestic Water Packaged Booster Pumps And Hydrocumulator.....	114,104.57	3,066.88
22 11 23 13-0023 Variable Speed Duplex Domestic Water Pressure Booster Skid (22 11 23 13)		
Note: AB1953 compliant, UL listed and labeled. Includes stainless steel headers with check, isolation, thermal relief valves, and start up support. The standard control package is integrated in a NEMA 1 enclosure and is outfitted with an individual VFD's which are controlled through a HOA and internally programmed PID logic for system control.		
22 11 23 13-0024 EA 40 GPM At 40 To 70 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-1).....	22,254.05	1,326.93
22 11 23 13-0025 EA 40 GPM At 80 To 120 PSI, 80 GPM At 50 To 90 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-2).....	23,226.16	1,326.93
22 11 23 13-0026 EA 80 GPM At 80 PSI, 120 GPM At 40 To 90 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-3).....	24,615.20	1,326.93
22 11 23 13-0027 EA 80 GPM At 130 To 150 PSI, 120 GPM At 100 To 150 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-4).....	26,617.48	1,326.93
22 11 23 13-0028 EA 160 GPM At 40 To 50 PSI, 200 GPM At 40 To 50 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-5).....	25,247.91	1,409.86
22 11 23 13-0029 EA 160 GPM At 60 To 80 PSI, 200 GPM At 60 To 70 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-6).....	26,995.81	1,409.86
22 11 23 13-0030 EA 160 GPM At 90 To 110 PSI, 200 GPM At 80 To 100 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-7).....	29,369.63	1,409.86
22 11 23 13-0031 EA 160 To 200 GPM At 120 To 150 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-8).....	31,299.09	1,409.86
22 11 23 13-0032 EA 240 To 280 GPM At 40 To 50 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-9).....	27,550.40	1,492.80
22 11 23 13-0033 EA 280 To 320 GPM At 60 To 70 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-10).....	29,276.15	1,492.80
22 11 23 13-0034 EA 240 To 320 GPM At 90 To 120 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-11).....	33,135.05	1,492.80
22 11 23 13-0035 EA 240 To 320 GPM At 130 To 150 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-12).....	39,611.60	1,492.80
22 11 23 13-0036 EA 360 To 400 GPM At 40 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-13).....	29,033.38	1,492.80
22 11 23 13-0037 EA 360 To 400 GPM At 50 To 80 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-14).....	32,553.47	1,492.80
22 11 23 13-0038 EA 360 To 400 GPM At 90 To 110 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-15).....	40,301.90	1,492.80
22 11 23 13-0039 EA 360 To 400 GPM At 120 To 140 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-16).....	40,078.13	1,492.80
22 11 23 13-0040 EA 440 To 480 GPM At 150 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-17).....	47,706.08	1,658.66
22 11 23 13-0041 EA 440 To 480 GPM At 40 To 50 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-18).....	33,192.95	1,658.66
22 11 23 13-0042 EA 440 To 480 GPM At 60 To 90 PSI, 520 To 600 GPM At 40 To 80 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-19).....	40,248.97	1,658.66
22 11 23 13-0043 EA 440 To 480 GPM At 100 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-20).....	40,026.26	1,658.66



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	22 11 23	13-0044	EA	440 To 600 GPM At 100 To 120 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-21).....	48,052.28	1,658.66
	22 11 23	13-0045	EA	440 To 600 GPM At 130 To 150 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-22).....	57,869.49	1,658.66
	22 11 23	13-0046	EA	60 GPM At 40 To 70 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-1).....	27,860.86	1,326.93
22 11 23	13-0047			Variable Speed Triplex Domestic Water Pressure Booster Skid <small>(22 11 23 13)</small> Note: AB1953 compliant, UL listed and labeled. Includes stainless steel headers with check, isolation, thermal relief valves, and start up support. The standard control package is integrated in a NEMA 1 enclosure and is outfitted with an individual VFD's which are controlled through a HOA and internally programmed PID logic for system control.		
	22 11 23	13-0048	EA	60 GPM At 80 To 130 PSI, 120 GPM At 50 To 90 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-2).....	27,860.86	1,326.93
	22 11 23	13-0049	EA	120 GPM At 100 To 120 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-3).....	31,046.36	1,326.93
	22 11 23	13-0050	EA	60 GPM At 140 To 150 PSI, 120 GPM At 130 To 150 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-4).....	33,794.88	1,326.93
	22 11 23	13-0051	EA	180 GPM At 40 To 90 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-5).....	31,253.70	1,409.86
	22 11 23	13-0052	EA	180 GPM At 100 To 150 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-6).....	33,983.22	1,409.86
	22 11 23	13-0053	EA	240 GPM At 40 To 50 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-7).....	31,891.22	1,409.86
	22 11 23	13-0054	EA	240 GPM At 60 To 80 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-8).....	34,237.60	1,409.86
	22 11 23	13-0055	EA	240 GPM At 90 To 110 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-9).....	37,464.26	1,409.86
	22 11 23	13-0056	EA	240 GPM At 120 To 150 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-10).....	40,138.90	1,409.86
	22 11 23	13-0057	EA	300 GPM At 40 To 50 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-11).....	32,252.66	1,492.80
	22 11 23	13-0058	EA	300 GPM At 60 To 70 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-12).....	34,599.03	1,492.80
	22 11 23	13-0059	EA	300 GPM At 80 To 100 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-13).....	37,824.64	1,492.80
	22 11 23	13-0060	EA	300 GPM At 110 To 150 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-14).....	40,499.28	1,492.80
	22 11 23	13-0061	EA	360 GPM At 40 To 60 PSI, 420 GPM At 40 To 50 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-15).....	34,891.41	1,492.80
	22 11 23	13-0062	EA	360 GPM At 70 To 80 PSI, 420 GPM At 60 To 70 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-16).....	37,144.90	1,492.80
	22 11 23	13-0063	EA	360 GPM At 90 To 130 PSI, 420 GPM At 80 To 120 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-17).....	42,712.66	1,492.80
	22 11 23	13-0064	EA	360 GPM At 140 To 150 PSI, 420 GPM At 130 To 150 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-18).....	51,798.40	1,492.80
	22 11 23	13-0065	EA	480 GPM At 40 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-19).....	35,766.26	1,658.66
	22 11 23	13-0066	EA	480 GPM At 50 To 70 PSI, 520 To 600 GPM At 40 To 80 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-20).....	38,020.81	1,658.66
	22 11 23	13-0067	EA	480 GPM At 80 To 110 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-21).....	43,588.57	1,658.66
	22 11 23	13-0068	EA	480 GPM At 120 To 150 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-22).....	52,673.26	1,658.66
	22 11 23	13-0069	EA	540 GPM At 40 PSI, 600 GPM At 40 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-23).....	37,655.61	1,658.66
	22 11 23	13-0070	EA	540 GPM At 50 To 90 PSI, 600 GPM At 50 To 80 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-24).....	42,715.68	1,658.66
	22 11 23	13-0071	EA	540 GPM At 100 To 110 PSI, 600 GPM At 90 To 110 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-25).....	53,707.65	1,658.66
	22 11 23	13-0072	EA	540 GPM At 120 To 130 PSI, 600 GPM At 120 To 130 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-26).....	54,772.65	1,658.66
	22 11 23	13-0073	EA	540 GPM At 140 To 150 PSI, 600 GPM At 140 To 150 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-27).....	67,532.59	1,658.66
	22 11 23	13-0074	EA	660 GPM At 40 To 50 PSI, 720 GPM At 40 To 50 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-28).....	42,765.00	1,990.40
	22 11 23	13-0075	EA	660 GPM At 60 To 90 PSI, 720,780,840,900 GPM At 60 To 80 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-29).....	51,104.51	1,990.40
	22 11 23	13-0076	EA	660, 720, 780 GPM At 100 PSI, 840 To 900 GPM At 90 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-30).....	54,266.78	1,990.40
	22 11 23	13-0077	EA	660, 720, 780, 840, 900 GPM At 110 To 120 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-31).....	65,114.16	1,990.40
	22 11 23	13-0078	EA	660, 720, 780, 840, 900 GPM At 130 To 150 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-32).....	80,293.30	1,990.40
22 11 23	23			Domestic-Water In-Line Pumps <small>(22 11 23)</small>		
22 11 23	23-0001			Bronze In-Line Centrifugal Domestic Water Booster Pumps <small>(22 11 23 23)</small> Note: ODP motor.		
	22 11 23	23-0002	EA	1/12 HP, 3/4" To 1-1/2" Flanges, Bronze In-Line Centrifugal Domestic Water Booster Pump (B&G PL30B).....	699.31	184.61
	22 11 23	23-0003	EA	1/6 HP, 3/4" Flanges, Bronze In-Line Centrifugal Domestic Water Booster Pump (B&G PL36B).....	712.97	184.61
	22 11 23	23-0004	EA	1/6 HP, 1" To 1-1/4" Flanges, Bronze In-Line Centrifugal Domestic Water Booster Pump (B&G PL45B).....	741.46	188.20



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 23 23-0005 EA 1/6 HP, 1-1/2" Flanges, Bronze In-Line Centrifugal Domestic Water Booster Pump (B&G PL50B).....	805.95	195.89
22 11 23 23-0006 EA 1/6 HP, 2" Flanges, Bronze In-Line Centrifugal Domestic Water Booster Pump (B&G PL75B).....	1,301.34	203.15
22 11 23 23-0007 EA 1/6 HP, 2" Flanges, Bronze In-Line Centrifugal Domestic Water Booster Pump (B&G 2AB).....	1,375.05	203.15
22 11 23 23-0008 EA 1/4 HP, 2-1/2" Flanges, Bronze In-Line Centrifugal Domestic Water Booster Pump (B&G 2-1/2AB)	1,977.77	223.68
22 11 23 23-0009 EA 1/4 HP, 3" Flanges, Bronze In-Line Centrifugal Domestic Water Booster Pump (B&G LD3 AB)	2,074.47	245.73
22 11 23 23-0010 EA 1/3 HP, 3" Flanges, Bronze In-Line Centrifugal Domestic Water Booster Pump (B&G HD3 AB).....	2,485.32	270.36
22 11 23 23-0011 EA 1/2 HP, 3" Flanges, Bronze In-Line Centrifugal Domestic Water Booster Pump (B&G PDB35S).....	2,560.69	297.54
22 11 23 23-0012 EA 3/4 HP, 3" Flanges, Bronze In-Line Centrifugal Domestic Water Booster Pump (B&G PDB37S).....	2,801.73	326.79
22 11 23 23-0013 EA 1 HP, 3" Flanges, Bronze In-Line Centrifugal Domestic Water Booster Pump (B&G PDB38S).....	3,909.84	359.63
22 11 23 23-0014 EA 1-1/2 HP, 3" Flanges, Bronze In-Line Centrifugal Domestic Water Booster Pump (B&G PDB40S).....	4,468.17	377.06
22 11 23 23-0015 Cast Iron In-Line Centrifugal Domestic Water Booster Pumps (22 11 23 23)		
Note: ODP motor.		
22 11 23 23-0016 EA 1/12 HP, 3/4" To 1-1/2" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G PL30)	704.33	184.61
22 11 23 23-0017 EA 1/6 HP, 3/4" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G PL36).....	1,051.48	184.61
22 11 23 23-0018 EA 1/6 HP, 1" To 1-1/4" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G PL45)	1,058.90	188.20
22 11 23 23-0019 EA 1/6 HP, 1-1/4" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G PL45).....	1,078.25	192.30
22 11 23 23-0020 EA 1/6 HP, 1-1/2" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G PL50).....	1,085.41	195.89
22 11 23 23-0021 EA 1/6 HP, 2" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G PL75)	1,109.48	203.15
22 11 23 23-0022 EA 1/4 HP, 2-1/2" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G 2-1/2).....	1,330.76	223.68
22 11 23 23-0023 EA 1/3 HP, 3" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G HD30)	1,698.84	270.36
22 11 23 23-0024 EA 1/2 HP, 3" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G PD35S)	1,802.27	297.54
22 11 23 23-0025 EA 3/4 HP, 3" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G PD37S).....	2,083.05	326.79
22 11 23 23-0026 EA 1 HP, 3" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G PD38S).....	2,727.73	359.63
22 11 23 23-0027 EA 1-1/2 HP, 3" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G PD40S).....	3,146.36	377.06
22 11 23 23-0028 EA 2 HP, 4" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G 80, 4x4x7, BF)	2,987.04	396.04
22 11 23 23-0029 EA 3 HP, 4" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G 80, 4x4x7, BF)	3,220.49	435.34
22 11 23 23-0030 EA 5 HP, 4" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G 80, 4x4x7, BF)	3,538.21	461.71
22 11 23 23-0031 EA 7-1/2 HP, 4" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G 80, 4x4x9-1/2, BF).....	4,392.77	513.01
22 11 23 23-0032 EA 10 HP, 4" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G 80, 4x4x9-1/2, BF)	4,728.54	615.71
22 11 23 23-0033 EA 15 HP, 4" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G 80, 4x4x9-1/2, BF)	5,967.11	718.53
22 12 Facility Potable-Water Storage Tanks (22 10)		
22 12 19 Facility Ground-Mounted, Potable-Water Storage Tanks (22 12)		
22 12 19 00-0001 Steel, Horizontal, Ground-Mounted Water Tanks (22 12 19)		
22 12 19 00-0002 EA 5,000 Gallon, Steel, Horizontal, Ground-Mounted Water Tank.....	24,970.54	7,315.37
22 12 19 00-0003 EA 10,000 Gallon, Steel, Horizontal, Ground-Mounted Water Tank.....	27,604.26	7,315.37
22 12 19 00-0004 EA 20,000 Gallon, Steel, Horizontal, Ground-Mounted Water Tank.....	48,330.28	11,289.17
22 12 19 00-0005 EA 35,000 Gallon, Steel, Horizontal, Ground-Mounted Water Tank.....	62,426.90	14,630.73
22 12 19 00-0006 Galvanized Steel, Flat Bottom, Vertical Storage Tanks (22 12 19)		
22 12 19 00-0007 EA 5,000 Gallon Galvanized Steel, Flat Bottom, Vertical Storage Tank.....	28,872.35	7,315.37
22 12 19 00-0008 EA 10,000 Gallon Galvanized Steel, Flat Bottom, Vertical Storage Tank.....	38,041.62	7,315.37
22 12 19 00-0009 EA 20,000 Gallon Galvanized Steel, Flat Bottom, Vertical Storage Tank.....	57,098.95	11,289.17
22 12 19 00-0010 EA 35,000 Gallon Galvanized Steel, Flat Bottom, Vertical Storage Tank.....	80,381.33	14,630.73
22 12 23 Facility Indoor Potable-Water Storage Tanks (22 12)		
22 12 23 13 Facility Steel, Indoor Potable-Water Storage Pressure Tanks (22 12 23)		
22 12 23 13-0001 Insulated Glass Lined Storage Tank (A.O. Smith TJ, TJV And TJH) (22 12 23 13)		
22 12 23 13-0002 EA 80 Gallon ASME Rated Tank, 150PSI, Jacketed, Insulated, Glass Lined Water Heater Storage Tank (TJ-80A).....	2,012.58	410.25
22 12 23 13-0003 EA 119 Gallon 150 PSI, Jacketed, Insulated, Glass Lined Water Heater Storage Tank (TJV-120M).....	2,495.57	512.81
22 12 23 13-0004 EA 140 Gallon ASME Rated Tank, 125 PSI, Jacketed, Insulated, Glass Lined Water Heater Storage Tank (TJV-140A).....	4,416.53	564.09
22 12 23 13-0005 EA 200 Gallon ASME Rated Tank, 125 PSI, Jacketed, Insulated, Glass Lined Water Heater Storage Tank (TJV-200A).....	4,880.00	615.37
22 12 23 13-0006 EA 250 Gallon ASME Rated Tank, 125 PSI, Jacketed, Insulated, Glass Lined Water Heater Storage Tank (TJV-250A).....	9,418.26	666.65
22 12 23 13-0007 EA 350 Gallon ASME Rated Tank, 125 PSI, Jacketed, Insulated, Glass Lined Water Heater Storage Tank (TJV-350A).....	8,186.53	717.93
22 12 23 13-0008 EA 400 Gallon ASME Rated Tank, 125 PSI, Jacketed, Insulated, Glass Lined Water Heater Storage Tank (TJV-400A).....	13,823.39	769.21
22 12 23 13-0009 EA 500 Gallon ASME Rated Tank, 125 PSI, Jacketed, Insulated, Glass Lined Water Heater Storage Tank (TJV-500A).....	12,794.04	820.50
22 12 23 13-0010 EA 750 Gallon ASME Rated Tank, 125 PSI, Jacketed, Insulated, Glass Lined Water Heater Storage Tank (TJV-750A).....	13,889.11	871.78
22 12 23 13-0011 EA 1,000 Gallon ASME Rated Tank, 125 PSI, Jacketed, Insulated, Glass Lined Water Heater Storage Tank (TJV-1000A).....	16,491.39	923.06
22 12 23 13-0012 Uninsulated Glass Lined Storage Tank (A.O. Smith T) (22 12 23 13)		
22 12 23 13-0013 EA 80 Gallon 150 PSI, Uninsulated, Glass Lined Water Storage Tank (T-80S).....	1,751.62	410.25
22 12 23 13-0014 EA 120 Gallon 150 PSA, Uninsulated, Glass Lined Water Storage Tank (T-120S).....	3,230.57	512.81
22 12 23 13-0015 EA 140 Gallon ASME Rated Tank, 125 PSI, Uninsulated, Glass Lined Water Storage Tank (T-140A)	4,001.50	564.09
22 12 23 13-0016 EA 200 Gallon 150 PSI, Uninsulated, Glass Lined Water Storage Tank (T-200S).....	4,905.69	615.37



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 12 23 13-0017 EA 200 Gallon ASME Rated Tank, 125 PSI, Uninsulated, Glass Lined Water Storage Tank (T-200A)	4,212.29	615.37
22 12 23 13-0018 EA 250 Gallon ASME Rated Tank, 125 PSI, Uninsulated, Glass Lined Water Storage Tank (T-250A)	6,373.26	666.65
22 12 23 13-0019 EA 325 Gallon ASME Rated Tank, 125 PSI, Uninsulated, Glass Lined Water Storage Tank (T-325A)	6,895.82	717.93
22 12 23 13-0020 EA 350 Gallon 150 PSI, Uninsulated, Glass Lined Water Storage Tank (T-350S)	6,580.82	717.93
22 12 23 13-0021 EA 350 Gallon ASME Rated Tank, 125 PSI, Uninsulated, Glass Lined Water Storage Tank (T-350A)	6,035.92	717.93
22 12 23 13-0022 EA 400 Gallon ASME Rated Tank, 125 PSI, Uninsulated, Glass Lined Water Storage Tank (T-400A)	8,153.39	769.21
22 12 23 13-0023 EA 500 Gallon ASME Rated Tank, 125 PSI, Uninsulated, Glass Lined Water Storage Tank (T-500A)	8,837.98	820.50
22 12 23 13-0024 EA 750 Gallon ASME Rated Tank, 125 PSI, Uninsulated, Glass Lined Water Storage Tank (T-750A)	10,220.80	871.78
22 12 23 13-0025 EA 1,000 Gallon ASME Rated Tank, 125 PSI, Uninsulated, Glass Lined Water Storage Tank (T-1000A)	18,824.58	923.06

22 12 23 26 Facility Plastic, Indoor Potable-Water Storage Non-Pressure Tanks (22 12 23)

22 12 23 26-0001 Horizontal Non-Pressurized Polyethylene Tanks (22 12 23 26)

Note: Excludes excavation and backfill.

22 12 23 26-0002 EA 100 Gallon Horizontal Non-Pressurized Polyethylene Tank	495.78	230.77
<i>For Saddle Assembly, Add</i>	<i>536.48</i>	
22 12 23 26-0003 EA 150 Gallon Horizontal Non-Pressurized Polyethylene Tank	580.06	269.23
<i>For Saddle Assembly, Add</i>	<i>536.48</i>	
22 12 23 26-0004 EA 200 Gallon Horizontal Non-Pressurized Polyethylene Tank	680.84	307.69
<i>For Saddle Assembly, Add</i>	<i>592.58</i>	
22 12 23 26-0005 EA 300 Gallon Horizontal Non-Pressurized Polyethylene Tank	811.32	346.14
<i>For Saddle Assembly, Add</i>	<i>811.48</i>	
22 12 23 26-0006 EA 335 Gallon Horizontal Non-Pressurized Polyethylene Tank	953.90	384.61
<i>For Two Tie Down Bands, Add</i>	<i>321.70</i>	
22 12 23 26-0007 EA 535 Gallon Horizontal Non-Pressurized Polyethylene Tank	1,172.18	465.90
<i>For Two Tie Down Bands, Add</i>	<i>337.10</i>	
22 12 23 26-0008 EA 1,035 Gallon Horizontal Non-Pressurized Polyethylene Tank	1,668.72	543.55
<i>For Three Tie Down Bands, Add</i>	<i>555.16</i>	
22 12 23 26-0009 EA 1,335 Gallon Horizontal Non-Pressurized Polyethylene Tank	2,318.76	621.19
<i>For Three Tie Down Bands, Add</i>	<i>558.46</i>	
22 12 23 26-0010 EA 1,635 Gallon Horizontal Non-Pressurized Polyethylene Tank	2,852.39	698.85
<i>For Four Tie Down Bands, Add</i>	<i>753.41</i>	
22 12 23 26-0011 EA 2,035 Gallon Horizontal Non-Pressurized Polyethylene Tank	3,318.32	776.50
<i>For Four Tie Down Bands, Add</i>	<i>977.81</i>	
22 12 23 26-0012 EA 2,635 Gallon Horizontal Non-Pressurized Polyethylene Tank	4,603.85	854.14
<i>For Four Tie Down Bands, Add</i>	<i>1,224.21</i>	
22 12 23 26-0013 EA 3,135 Gallon Horizontal Non-Pressurized Polyethylene Tank	5,301.39	931.80
<i>For Four Tie Down Bands, Add</i>	<i>1,307.81</i>	
22 12 23 26-0014 EA 4,035 Gallon Horizontal Non-Pressurized Polyethylene Tank	7,562.52	1,242.40
<i>For Four Tie Down Bands, Add</i>	<i>1,453.01</i>	
22 12 23 26-0015 EA 5,025 Gallon Horizontal Non-Pressurized Polyethylene Tank	9,584.22	1,242.40
<i>For Five Tie Down Bands, Add</i>	<i>2,217.75</i>	

22 12 23 26-0016 Vertical Non-Pressurized Polyethylene Tanks (22 12 23 26)

22 12 23 26-0017 EA 100 Gallon Vertical Non-Pressurized Polyethylene Tank	576.34	307.69
22 12 23 26-0018 EA 160 Gallon Vertical Non-Pressurized Polyethylene Tank	666.88	326.92
22 12 23 26-0019 EA 210 Gallon Vertical Non-Pressurized Polyethylene Tank	724.42	346.14
22 12 23 26-0020 EA 300 Gallon Vertical Non-Pressurized Polyethylene Tank	856.00	384.61
22 12 23 26-0021 EA 405 Gallon Vertical Non-Pressurized Polyethylene Tank	990.46	461.53
22 12 23 26-0022 EA 500 Gallon Vertical Non-Pressurized Polyethylene Tank	1,165.62	538.46
22 12 23 26-0023 EA 800 Gallon Vertical Non-Pressurized Polyethylene Tank	1,492.66	621.19
22 12 23 26-0024 EA 1,000 Gallon Vertical Non-Pressurized Polyethylene Tank	1,917.52	776.50
22 12 23 26-0025 EA 2,000 Gallon Vertical Non-Pressurized Polyethylene Tank	2,516.19	931.80
22 12 23 26-0026 EA 3,000 Gallon Vertical Non-Pressurized Polyethylene Tank	3,218.25	1,087.09
22 12 23 26-0027 EA 4,000 Gallon Vertical Non-Pressurized Polyethylene Tank	4,539.62	1,242.40
22 12 23 26-0028 EA 5,000 Gallon Vertical Non-Pressurized Polyethylene Tank	5,990.78	1,397.69
22 12 23 26-0029 EA 6,250 Gallon Vertical Non-Pressurized Polyethylene Tank	6,774.24	1,552.99
22 12 23 26-0030 EA 7,000 Gallon Vertical Non-Pressurized Polyethylene Tank	7,463.12	1,708.30
22 12 23 26-0031 EA 8,000 Gallon Vertical Non-Pressurized Polyethylene Tank	8,541.38	1,863.59
22 12 23 26-0032 EA 9,150 Gallon Vertical Non-Pressurized Polyethylene Tank	9,600.95	2,018.89
22 12 23 26-0033 EA 10,500 Gallon Vertical Non-Pressurized Polyethylene Tank	11,705.51	2,174.19
22 12 23 26-0034 EA 12,500 Gallon Vertical Non-Pressurized Polyethylene Tank	14,011.64	2,484.79

22 13 Facility Sanitary Sewerage (22 10)

22 13 13 Facility Sanitary Sewers (22 13)

22 13 13 00-0001 Fixture Rough-In (22 13 13)

Note: Excludes fixture. Not for use when individual component details are available, on remodeling work where partial pipe and fittings are installed or on residential projects. For use on commercial restrooms with multiple toilets, urinals and lavatories. Includes waste and vent pipe and fittings and domestic water supply pipe and fittings. Waste piping is included from fixture outlet tee to floor, vent piping is included from outlet tee within the wall to the ceiling and domestic water supply from ceiling to fixture and stub out with caps. Based on vertical floor to floor of 12'. Use detailed tasks (i.e. individual pipe and fittings, insulation, hangers, etc.) instead of rough-in assembly where possible. See CSI section 22 07 19 00-0000 for insulation, 22 11 16 00-0345 for copper pipe and fittings, 22 13 16 00-0000 for PVC or cast iron sanitary waste and vent pipe and fittings, 23 05 29 00-0000 for hangers.

22 13 13 00-0002 Single Fixture Rough-In, Cast Iron Waste And Vent Pipe (22 13 13 00-0001)

Note: Single fixtures have one fixture to one pipe riser. Includes cast iron waste and vent pipe and fittings and copper domestic water supply pipe and fittings.



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 13 00-0003 EA Floor Mounted Water Closet, Single Fixture Rough-In, Cast Iron Waste And Vent Pipe .....770.48 Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture and flush valve.	770.48	
22 13 13 00-0004 EA Wall Mounted Water Closet, Single Fixture Rough-In, Cast Iron Waste And Vent Pipe .....926.55 Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture, carrier and flush valve.	926.55	
22 13 13 00-0005 EA Tank Type Floor Mounted Water Closet, Single Fixture Rough-In, Cast Iron Waste And Vent Pipe .....718.20 Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture.	718.20	
22 13 13 00-0006 EA Wall Mounted Urinal, Single Fixture Rough-In, Cast Iron Waste And Vent Pipe.....447.04 Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture, carrier and flush valve.	447.04	
22 13 13 00-0007 EA Wall Mounted Lavatory, Single Fixture Rough-In, Cast Iron Waste And Vent Pipe .....525.30 Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture, carrier and faucet.	525.30	
22 13 13 00-0008 EA Countertop Kitchen Sink, Single Fixture Rough-In, Cast Iron Waste And Vent Pipe .....693.79 Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture and faucet.	693.79	
22 13 13 00-0009 EA Bathtub, Single Fixture Rough-In, Cast Iron Waste And Vent Pipe.....718.51 Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture and faucet.	718.51	
22 13 13 00-0010 EA Free Standing Water Cooler, Single Fixture Rough-In, Cast Iron Waste And Vent Pipe .....437.70 Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture.	437.70	
22 13 13 00-0011 EA Floor Mounted Service Sink, Single Fixture Rough-In, Cast Iron Waste And Vent Pipe .....718.20 Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture and faucet.	718.20	
22 13 13 00-0012 EA Wall Mounted Service Sink, Single Fixture Rough-In, Cast Iron Waste And Vent Pipe .....752.56 Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture, carrier and faucet.	752.56	
22 13 13 00-0013 EA Shower, Single Fixture Rough-In, Cast Iron Waste And Vent Pipe.....701.26 Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture, shower head and faucet.	701.26	
22 13 13 00-0014 EA Bidet, Single Fixture Rough-In, Cast Iron Waste And Vent Pipe.....770.48 Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture and faucet.	770.48	
22 13 13 00-0015 EA Floor Mounted Circular Wash Fountain, Single Fixture Rough-In, Cast Iron Waste And Vent Pipe .....1,197.84 Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture.	1,197.84	
22 13 13 00-0016 EA Bathtub/Shower, Single Fixture Rough-In, Cast Iron Waste And Vent Pipe .....744.18 Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture, shower head and faucet.	744.18	
22 13 13 00-0017 Double Fixture Rough-In, Cast Iron Waste And Vent Pipe <small>(22 13 00-0001)</small> Note: Double fixtures have two "back-to-back" waste connections to one riser. Includes cast iron waste and vent pipe and fittings and copper domestic water supply pipe and fittings.		
22 13 13 00-0018 EA Floor Mounted Water Closet, Double Fixture Rough-In, Cast Iron Waste And Vent Pipe.....966.65 Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture and flush valve.	966.65	
22 13 13 00-0019 EA Wall Mounted Water Closet, Double Fixture Rough-In, Cast Iron Waste And Vent Pipe .....1,242.13 Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture, carrier and flush valve.	1,242.13	
22 13 13 00-0020 EA Tank Type Floor Mounted Water Closet, Double Fixture Rough-In, Cast Iron Waste And Vent Pipe .....837.96 Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture.	837.96	
22 13 13 00-0021 EA Wall Mounted Urinal, Double Fixture Rough-In, Cast Iron Waste And Vent Pipe .....514.28 Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture, carrier and flush valve.	514.28	
22 13 13 00-0022 EA Wall Mounted Lavatory, Double Fixture Rough-In, Cast Iron Waste And Vent Pipe .....724.84 Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture, carrier and faucet.	724.84	
22 13 13 00-0023 EA Countertop Kitchen Sink, Double Fixture Rough-In, Cast Iron Waste And Vent Pipe .....761.84 Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture and faucet.	761.84	
22 13 13 00-0024 EA Free Standing Water Cooler, Double Fixture Rough-In, Cast Iron Waste And Vent Pipe .....494.02 Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture.	494.02	
22 13 13 00-0025 EA Floor Mounted Service Sink, Double Fixture Rough-In, Cast Iron Waste And Vent Pipe .....848.20 Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture and faucet.	848.20	
22 13 13 00-0026 EA Wall Mounted Service Sink, Double Fixture Rough-In, Cast Iron Waste And Vent Pipe .....781.85 Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture, carrier and faucet.	781.85	
22 13 13 00-0027 EA Shower, Double Fixture Rough-In, Cast Iron Waste And Vent Pipe .....756.23 Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture, shower heads and faucets.	756.23	
22 13 13 00-0028 EA Bidet, Double Fixture Rough-In, Cast Iron Waste And Vent Pipe .....966.65 Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture and faucets.	966.65	
22 13 13 00-0029 Gang Fixture Rough-In, Cast Iron Waste And Vent Pipe <small>(22 13 00-0001)</small> Note: Gang fixtures include multiple fixtures to one pipe riser. Includes cast iron waste and vent pipe and fittings and copper domestic water supply pipe and fittings.		
22 13 13 00-0030 EA Floor Mounted Water Closet, Gang Fixture Rough-In, Cast Iron Waste And Vent Pipe .....482.85 Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture and flush valve.	482.85	
22 13 13 00-0031 EA Wall Mounted Water Closet, Gang Fixture Rough-In, Cast Iron Waste And Vent Pipe.....621.06 Note: Includes cast iron waste pipe and vent and copper domestic supply. Excludes fixture, carrier and flush valve.	621.06	
22 13 13 00-0032 EA Tank Type Floor Mounted Water Closet, Gang Fixture Rough-In, Cast Iron Waste And Vent Pipe .....419.49 Note: Includes cast iron waste pipe and vent and copper domestic supply. Excludes fixture.	419.49	
22 13 13 00-0033 EA Wall Mounted Urinal, Gang Fixture Rough-In, Cast Iron Waste And Vent Pipe .....257.65 Note: Includes cast iron waste pipe and vent and copper domestic supply. Excludes fixture, carrier and flush valve.	257.65	
22 13 13 00-0034 EA Wall Mounted Lavatory, Gang Fixture Rough-In, Cast Iron Waste And Vent Pipe .....362.44 Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture, carrier and faucet.	362.44	
22 13 13 00-0035 EA Countertop Kitchen Sink, Gang Fixture Rough-In, Cast Iron Waste And Vent Pipe.....380.90 Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture and faucet.	380.90	
22 13 13 00-0036 EA Free Standing Water Cooler, Gang Fixture Rough-In, Cast Iron Waste And Vent Pipe.....272.64 Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture.	272.64	



Plumbing	22	22
Plumbing Piping	22 10	
Facility Sanitary Sewerage	22 13	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 13 00-0037 EA Rough-in Service Sink, Floor Mounted, Gang Mounted Fixture Including Cast Iron Waste Pipe And Vent And Copper Domestic Supply, Not Including Fixture Or Faucet 423.59 Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture and faucet.	423.59	
22 13 13 00-0038 EA Wall Mounted Service Sink, Gang Fixture Rough-In, Cast Iron Waste And Vent Pipe 390.93 Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture, carrier and faucet.	390.93	
22 13 13 00-0039 EA Shower, Gang Fixture Rough-In, Cast Iron Waste And Vent Pipe 378.61 Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture, shower heads and faucets.	378.61	
22 13 13 00-0040 EA Bidet, Gang Fixture Rough-In, Cast Iron Waste And Vent Pipe 475.65 Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture and faucet.	475.65	
22 13 13 00-0041 Single Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe ^(22 13 13 00-0001) Note: Single fixtures have one fixture to one pipe riser. Includes PVC waste and vent pipe and fittings and copper domestic water supply pipe and fittings.		
22 13 13 00-0042 EA Floor Mounted Water Closet, Single Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe 441.67 Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture and flush valve.	441.67	
22 13 13 00-0043 EA Wall Mounted Water Closet, Single Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe 401.67 Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture, carrier and flush valve.	401.67	
22 13 13 00-0044 EA Tank Type Floor Mounted Water Closet, Single Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe 434.52 Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture.	434.52	
22 13 13 00-0045 EA Wall Mounted Urinal, Single Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe 246.15 Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture, carrier and flush valve.	246.15	
22 13 13 00-0046 EA Wall Mounted Lavatory, Single Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe 287.01 Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture, carrier and faucet.	287.01	
22 13 13 00-0047 EA Countertop Kitchen Sink, Single Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe 412.26 Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture and faucet.	412.26	
22 13 13 00-0048 EA Bathtub, Single Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe 400.39 Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture and faucet.	400.39	
22 13 13 00-0049 EA Free Standing Water Cooler, Single Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe 248.69 Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture.	248.69	
22 13 13 00-0050 EA Floor Mounted Service Sink, Single Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe 434.52 Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture and faucet.	434.52	
22 13 13 00-0051 EA Wall Mounted Service Sink, Single Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe 473.37 Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture, carrier and faucet.	473.37	
22 13 13 00-0052 EA Shower, Single Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe 428.39 Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture, shower head and faucet.	428.39	
22 13 13 00-0053 EA Bidet, Single Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe 441.54 Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture and faucet.	441.54	
22 13 13 00-0054 EA Floor Mounted Circular Wash Fountain, Single Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe 673.45 Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture.	673.45	
22 13 13 00-0055 EA Bathtub/Shower, Single Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe 422.82 Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture, shower head and faucet.	422.82	
22 13 13 00-0056 Double Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe ^(22 13 13 00-0001) Note: Double fixtures have two "back-to-back" waste connections to one riser. Includes PVC waste and vent pipe and fittings and copper domestic water supply pipe and fittings.		
22 13 13 00-0057 EA Floor Mounted Water Closet, Double Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe 505.83 Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture and flush valve.	505.83	
22 13 13 00-0058 EA Wall Mounted Water Closet, Double Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe 518.71 Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture, carrier and flush valve.	518.71	
22 13 13 00-0059 EA Tank Type Floor Mounted Water Closet, Double Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe 442.86 Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixtures.	442.86	
22 13 13 00-0060 EA Wall Mounted Urinal, Double Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe 255.17 Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture, carrier and flush valve.	255.17	
22 13 13 00-0061 EA Wall Mounted Lavatory, Double Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe 408.72 Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixtures, carrier and faucets.	408.72	
22 13 13 00-0062 EA Countertop Kitchen Sink, Double Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe 421.40 Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixtures and faucets.	421.40	
22 13 13 00-0063 EA Free Standing Water Cooler, Double Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe 256.25 Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixtures.	256.25	
22 13 13 00-0064 EA Floor Mounted Service Sink, Double Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe 451.97 Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture and faucet.	451.97	
22 13 13 00-0065 EA Wall Mounted Service Sink, Double Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe 477.30 Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture, carrier and faucet.	477.30	

22	Plumbing
22 10	Plumbing Piping
22 13	Facility Sanitary Sewerage



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 13 00-0066	EA	Shower, Double Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe.....454.41 Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture, shower head and faucet.	454.41	
22 13 13 00-0067	EA	Bidet, Double Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe.....505.83 Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture and faucet.	505.83	
22 13 13 00-0068		Gang Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe ^(22 13 13 00-0001) Note: Gang fixtures include multiple fixtures to one pipe riser. Includes PVC waste and vent pipe and fittings and copper domestic water supply pipe and fittings.		
22 13 13 00-0069	EA	Floor Mounted Water Closet, Gang Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe.....252.50 Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture and flush valve.	252.50	
22 13 13 00-0070	EA	Wall Mounted Water Closet, Gang Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe.....258.85 Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture, carrier and flush valve.	258.85	
22 13 13 00-0071	EA	Tank Type Floor Mounted Water Closet, Gang Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe.....221.72 Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture.	221.72	
22 13 13 00-0072	EA	Wall Mounted Urinal, Gang Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe .....127.63 Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture, carrier and flush valve.	127.63	
22 13 13 00-0073	EA	Wall Mounted Lavatory, Gang Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe.....204.34 Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture, carrier and faucet.	204.34	
22 13 13 00-0074	EA	Countertop Kitchen Sink, Gang Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe.....210.45 Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture and faucet.	210.45	
22 13 13 00-0075	EA	Free Standing Water Cooler, Gang Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe.....128.12 Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture.	128.12	
22 13 13 00-0076	EA	Floor Mounted Service Sink, Gang Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe.....225.89 Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture and faucet.	225.89	
22 13 13 00-0077	EA	Wall Mounted Service Sink, Gang Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe.....238.68 Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture, carrier and faucet.	238.68	
22 13 13 00-0078	EA	Shower, Gang Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe .....227.64 Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture, shower head and faucet.	227.64	
22 13 13 00-0079	EA	Bidet, Gang Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe .....245.70 Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture and faucet.	245.70	
22 13 16		Sanitary Waste And Vent Piping ^(22 13 16)		
22 13 16 00-0001		Cast Iron Soil Pipe Assemblies ^(22 13 16)		
22 13 16 00-0002		Underground Bell And Spigot Cast Iron Soil Pipe Assemblies ^(22 13 16 00-0001) Note: Includes fittings and gaskets. Fittings are assumed every 10'. Excludes excavation, backfill and compaction. Not for use where detail is available.		
22 13 16 00-0003	LF	2" Underground Bell And Spigot Cast Iron Soil Pipe Assembly .....25.55 Note: Includes all fittings and gaskets. Excludes earthwork excavation, backfill and compaction. Not for use where detail is available.	25.55	6.46
		<i>For Work In Restricted Working Space, Add</i> .....4.74	4.74	
22 13 16 00-0004	LF	3" Underground Bell And Spigot Cast Iron Soil Pipe Assembly .....36.02 Note: Includes all fittings and gaskets. Excludes earthwork excavation, backfill and compaction. Not for use where detail is available.	36.02	9.74
		<i>For Work In Restricted Working Space, Add</i> .....6.43	6.43	
22 13 16 00-0005	LF	4" Underground Bell And Spigot Cast Iron Soil Pipe Assembly .....46.65 Note: Includes all fittings and gaskets. Excludes earthwork excavation, backfill and compaction. Not for use where detail is available.	46.65	12.41
		<i>For Work In Restricted Working Space, Add</i> .....8.27	8.27	
22 13 16 00-0006	LF	5" Underground Bell And Spigot Cast Iron Soil Pipe Assembly .....52.08 Note: Includes all fittings and gaskets. Excludes earthwork excavation, backfill and compaction. Not for use where detail is available.	52.08	14.66
		<i>For Work In Restricted Working Space, Add</i> .....8.25	8.25	
22 13 16 00-0007	LF	6" Underground Bell And Spigot Cast Iron Soil Pipe Assembly .....60.48 Note: Includes all fittings and gaskets. Excludes earthwork excavation, backfill and compaction. Not for use where detail is available.	60.48	15.98
		<i>For Work In Restricted Working Space, Add</i> .....9.16	9.16	
22 13 16 00-0008	LF	8" Underground Bell And Spigot Cast Iron Soil Pipe Assembly .....93.92 Note: Includes all fittings and gaskets. Excludes earthwork excavation, backfill and compaction. Not for use where detail is available.	93.92	22.81
		<i>For Work In Restricted Working Space, Add</i> .....12.91	12.91	
22 13 16 00-0009	LF	10" Underground Bell And Spigot Cast Iron Soil Pipe Assembly .....132.19 Note: Includes all fittings and gaskets. Excludes earthwork excavation, backfill and compaction. Not for use where detail is available.	132.19	22.81
		<i>For Work In Restricted Working Space, Add</i> .....14.62	14.62	
22 13 16 00-0010		Aboveground No Hub Cast Iron Soil Pipe Assemblies ^(22 13 16 00-0001) Note: Includes fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.		



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0011	LF			1-1/2" Aboveground No Hub Cast Iron Soil Pipe Assembly 22.38 Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i> 5.14		6.15
22 13 16 00-0012	LF			2" Aboveground No Hub Cast Iron Soil Pipe Assembly 23.89 Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i> 5.54		6.56
22 13 16 00-0013	LF			3" Aboveground No Hub Cast Iron Soil Pipe Assembly 31.06 Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i> 7.11		9.54
22 13 16 00-0014	LF			4" Aboveground No Hub Cast Iron Soil Pipe Assembly 38.34 Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i> 8.76		12.41
22 13 16 00-0015	LF			5" Aboveground No Hub Cast Iron Soil Pipe Assembly 60.52 Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i> 13.73		14.38
22 13 16 00-0016	LF			6" Aboveground No Hub Cast Iron Soil Pipe Assembly 66.24 Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i> 14.68		15.70
22 13 16 00-0017	LF			8" Aboveground No Hub Cast Iron Soil Pipe Assembly 107.63 Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i> 23.55		22.61
22 13 16 00-0018	LF			10" Aboveground No Hub Cast Iron Soil Pipe Assembly 105.00 Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i> 17.15		25.69
22 13 16 00-0019				Bell And Spigot Cast Iron Soil Pipe And Fittings (22 13 16) Note: Service weight. ASTM A74 and CISPI 301 (Fitting Requirements).		
22 13 16 00-0020				Bell And Spigot Cast Iron Pipe (22 13 16 00-0019) Note: Excludes excavation, hangers, gaskets, and fittings.		
22 13 16 00-0021	LF			2" Bell And Spigot Cast Iron Pipe 17.57 <i>For Extra Heavy Pipe, Add</i> 3.28 <i>For Above Ground Cast Iron Pipe Installation, Add</i> 0.49 <i>For Work In Restricted Working Space, Add</i> 2.93		6.46
22 13 16 00-0022	LF			3" Bell And Spigot Cast Iron Pipe 25.83 <i>For Extra Heavy Pipe, Add</i> 4.70 <i>For Above Ground Cast Iron Pipe Installation, Add</i> 0.73 <i>For Work In Restricted Working Space, Add</i> 4.40		9.74
22 13 16 00-0023	LF			4" Bell And Spigot Cast Iron Pipe 33.19 <i>For Extra Heavy Pipe, Add</i> 6.11 <i>For Above Ground Cast Iron Pipe Installation, Add</i> 0.93 <i>For Work In Restricted Working Space, Add</i> 5.60		12.41
22 13 16 00-0024	LF			5" Bell And Spigot Cast Iron Pipe 42.45 <i>For Extra Heavy Pipe, Add</i> 8.62 <i>For Above Ground Cast Iron Pipe Installation, Add</i> 1.10 <i>For Work In Restricted Working Space, Add</i> 6.58		14.66
22 13 16 00-0025	LF			6" Bell And Spigot Cast Iron Pipe 48.91 <i>For Extra Heavy Pipe, Add</i> 10.50 <i>For Above Ground Cast Iron Pipe Installation, Add</i> 1.20 <i>For Work In Restricted Working Space, Add</i> 7.18		15.98
22 13 16 00-0026	LF			8" Bell And Spigot Cast Iron Pipe 73.08 <i>For Extra Heavy Pipe, Add</i> 16.33 <i>For Above Ground Cast Iron Pipe Installation, Add</i> 1.71 <i>For Work In Restricted Working Space, Add</i> 10.26		22.81
22 13 16 00-0027	LF			10" Bell And Spigot Cast Iron Pipe 103.21 <i>For Extra Heavy Pipe, Add</i> 27.18 <i>For Above Ground Cast Iron Pipe Installation, Add</i> 1.92 <i>For Work In Restricted Working Space, Add</i> 11.55		25.69
22 13 16 00-0028	LF			12" Bell And Spigot Cast Iron Pipe 145.33 <i>For Extra Heavy Pipe, Add</i> 39.48 <i>For Above Ground Cast Iron Pipe Installation, Add</i> 2.57 <i>For Work In Restricted Working Space, Add</i> 15.40		34.26
22 13 16 00-0029	LF			15" Bell And Spigot Cast Iron Pipe 198.99 <i>For Extra Heavy Pipe, Add</i> 57.71 <i>For Above Ground Cast Iron Pipe Installation, Add</i> 3.08 <i>For Work In Restricted Working Space, Add</i> 18.48		41.09
22 13 16 00-0030				Bell And Spigot Cast Iron Fittings (22 13 16 00-0019)		
22 13 16 00-0031				Bell And Spigot Cast Iron Long Sweeps (22 13 16 00-0030)		
22 13 16 00-0032	EA			2" Bell And Spigot Cast Iron Long Sweep 79.32 <i>For Extra Heavy Fittings, Add</i> 12.32 <i>For Above Ground Cast Iron Pipe Installation, Add</i> 2.21 <i>For Work In Restricted Working Space, Add</i> 13.23		29.44



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0033	EA		3" Bell And Spigot Cast Iron Long Sweep.....	126.89	37.03
			<i>For Extra Heavy Fittings, Add</i>	25.01	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	2.77	
			<i>For Work In Restricted Working Space, Add</i>	16.63	
22 13 16 00-0034	EA		4" Bell And Spigot Cast Iron Long Sweep.....	169.02	49.23
			<i>For Extra Heavy Fittings, Add</i>	33.33	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	3.69	
			<i>For Work In Restricted Working Space, Add</i>	22.14	
22 13 16 00-0035	EA		6" Bell And Spigot Cast Iron Long Sweep.....	253.32	62.02
			<i>For Extra Heavy Fittings, Add</i>	56.12	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	4.65	
			<i>For Work In Restricted Working Space, Add</i>	27.89	
22 13 16 00-0036	EA		8" Bell And Spigot Cast Iron Long Sweep.....	477.90	80.25
			<i>For Extra Heavy Fittings, Add</i>	125.17	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	6.01	
			<i>For Work In Restricted Working Space, Add</i>	36.08	
22 13 16 00-0037	EA		10" Bell And Spigot Cast Iron Long Sweep.....	647.53	98.73
			<i>For Extra Heavy Fittings, Add</i>	174.82	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	7.40	
			<i>For Work In Restricted Working Space, Add</i>	44.41	
22 13 16 00-0038	EA		12" Bell And Spigot Cast Iron Long Sweep.....	985.36	137.79
			<i>For Extra Heavy Fittings, Add</i>	272.56	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	10.33	
			<i>For Work In Restricted Working Space, Add</i>	61.98	
22 13 16 00-0039	EA		15" Bell And Spigot Cast Iron Long Sweep.....	1,793.85	191.88
			<i>For Extra Heavy Fittings, Add</i>	527.16	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	14.38	
			<i>For Work In Restricted Working Space, Add</i>	86.30	
22 13 16 00-0040			Bell And Spigot Cast Iron Short Sweeps (22 13 16 00-0030)		
22 13 16 00-0041	EA		2" Bell And Spigot Cast Iron Short Sweep.....	70.03	29.44
			<i>For Extra Heavy Fittings, Add</i>	9.07	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	2.21	
			<i>For Work In Restricted Working Space, Add</i>	13.23	
22 13 16 00-0042	EA		3" Bell And Spigot Cast Iron Short Sweep.....	111.29	37.03
			<i>For Extra Heavy Fittings, Add</i>	19.55	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	2.77	
			<i>For Work In Restricted Working Space, Add</i>	16.63	
22 13 16 00-0043	EA		4" Bell And Spigot Cast Iron Short Sweep.....	151.48	49.23
			<i>For Extra Heavy Fittings, Add</i>	27.19	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	3.69	
			<i>For Work In Restricted Working Space, Add</i>	22.14	
22 13 16 00-0044	EA		5" Bell And Spigot Cast Iron Short Sweep.....	213.34	52.73
			<i>For Extra Heavy Fittings, Add</i>	47.02	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	3.95	
			<i>For Work In Restricted Working Space, Add</i>	23.70	
22 13 16 00-0045	EA		6" Bell And Spigot Cast Iron Short Sweep.....	256.66	62.02
			<i>For Extra Heavy Fittings, Add</i>	57.29	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	4.65	
			<i>For Work In Restricted Working Space, Add</i>	27.89	
22 13 16 00-0046	EA		8" Bell And Spigot Cast Iron Short Sweep.....	410.65	80.25
			<i>For Extra Heavy Fittings, Add</i>	101.63	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	6.01	
			<i>For Work In Restricted Working Space, Add</i>	36.08	
22 13 16 00-0047	EA		10" Bell And Spigot Cast Iron Short Sweep.....	590.16	98.73
			<i>For Extra Heavy Fittings, Add</i>	154.74	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	7.40	
			<i>For Work In Restricted Working Space, Add</i>	44.41	
22 13 16 00-0048	EA		12" Bell And Spigot Cast Iron Short Sweep.....	963.97	137.79
			<i>For Extra Heavy Fittings, Add</i>	265.08	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	10.33	
			<i>For Work In Restricted Working Space, Add</i>	61.98	
22 13 16 00-0049			Bell And Spigot Cast Iron 1/4 Bends (22 13 16 00-0030)		
22 13 16 00-0050	EA		2" Bell And Spigot Cast Iron 1/4 Bend.....	64.72	29.33
			<i>For Extra Heavy Fittings, Add</i>	7.25	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	2.20	
			<i>For Work In Restricted Working Space, Add</i>	13.21	
22 13 16 00-0051	EA		3" Bell And Spigot Cast Iron 1/4 Bend.....	90.91	33.02
			<i>For Extra Heavy Fittings, Add</i>	14.48	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	2.48	
			<i>For Work In Restricted Working Space, Add</i>	14.87	
22 13 16 00-0052	EA		4" Bell And Spigot Cast Iron 1/4 Bend.....	128.04	44.00
			<i>For Extra Heavy Fittings, Add</i>	21.73	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	3.30	
			<i>For Work In Restricted Working Space, Add</i>	19.79	
22 13 16 00-0053	EA		5" Bell And Spigot Cast Iron 1/4 Bend.....	153.93	47.08
			<i>For Extra Heavy Fittings, Add</i>	29.19	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	3.53	
			<i>For Work In Restricted Working Space, Add</i>	21.16	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0054	EA		6" Bell And Spigot Cast Iron 1/4 Bend <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	185.05 35.16 4.23 25.38	56.39
22 13 16 00-0055	EA		8" Bell And Spigot Cast Iron 1/4 Bend <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	360.03 87.24 5.54 33.23	73.90
22 13 16 00-0056	EA		10" Bell And Spigot Cast Iron 1/4 Bend <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	520.11 134.98 6.72 40.33	89.68
22 13 16 00-0057	EA		12" Bell And Spigot Cast Iron 1/4 Bend <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	678.75 182.01 7.94 47.62	105.85
22 13 16 00-0058	EA		15" Bell And Spigot Cast Iron 1/4 Bend <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,676.14 499.06 12.51 75.08	166.95
22 13 16 00-0059 Bell And Spigot Cast Iron 1/8 Bends (22 13 16 00-0030)					
22 13 16 00-0060	EA		2" Bell And Spigot Cast Iron 1/8 Bend <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	60.63 5.78 2.21 13.23	29.44
22 13 16 00-0061	EA		3" Bell And Spigot Cast Iron 1/8 Bend <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	89.54 11.94 2.77 16.63	37.03
22 13 16 00-0062	EA		4" Bell And Spigot Cast Iron 1/8 Bend <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	125.53 18.11 3.69 22.14	49.23
22 13 16 00-0063	EA		5" Bell And Spigot Cast Iron 1/8 Bend <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	153.55 22.83 4.42 26.49	58.92
22 13 16 00-0064	EA		6" Bell And Spigot Cast Iron 1/8 Bend <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	176.23 27.19 4.93 29.56	65.70
22 13 16 00-0065	EA		8" Bell And Spigot Cast Iron 1/8 Bend <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	327.10 68.03 6.64 39.82	88.52
22 13 16 00-0066	EA		10" Bell And Spigot Cast Iron 1/8 Bend <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	449.28 99.93 8.19 49.13	109.22
22 13 16 00-0067	EA		12" Bell And Spigot Cast Iron 1/8 Bend <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	706.31 172.90 10.62 63.69	141.65
22 13 16 00-0068	EA		15" Bell And Spigot Cast Iron 1/8 Bend <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,294.74 365.57 12.51 75.08	166.95
22 13 16 00-0069 Bell And Spigot Cast Iron Wyes (22 13 16 00-0030)					
22 13 16 00-0070	EA		2" Bell And Spigot Cast Iron Wye <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	114.52 5.57 4.93 29.59	65.75
22 13 16 00-0071	EA		3" Bell And Spigot Cast Iron Wye <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	137.74 10.42 5.40 32.39	72.00
22 13 16 00-0072	EA		4" Bell And Spigot Cast Iron Wye <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	181.06 13.87 7.07 42.43	94.36
22 13 16 00-0073	EA		5" Bell And Spigot Cast Iron Wye <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	218.10 23.11 7.60 45.62	101.41
22 13 16 00-0074	EA		6" Bell And Spigot Cast Iron Wye <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	269.70 31.31 9.01 54.07	120.20

22	Plumbing
22 10	Plumbing Piping
22 13	Facility Sanitary Sewerage



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0075	EA		8" Bell And Spigot Cast Iron Wye	461.77	161.66
			<i>For Extra Heavy Fittings, Add</i>	76.78	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	12.12	
			<i>For Work In Restricted Working Space, Add</i>	72.72	
22 13 16 00-0076	EA		10" Bell And Spigot Cast Iron Wye	623.13	183.40
			<i>For Extra Heavy Fittings, Add</i>	121.87	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	13.75	
			<i>For Work In Restricted Working Space, Add</i>	82.48	
22 13 16 00-0077	EA		12" Bell And Spigot Cast Iron Wye	894.87	223.24
			<i>For Extra Heavy Fittings, Add</i>	196.06	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	16.73	
			<i>For Work In Restricted Working Space, Add</i>	100.41	
22 13 16 00-0078	EA		15" Bell And Spigot Cast Iron Wye	1,334.72	250.48
			<i>For Extra Heavy Fittings, Add</i>	335.72	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	18.78	
			<i>For Work In Restricted Working Space, Add</i>	112.65	
22 13 16 00-0079			Bell And Spigot Cast Iron Reducing Wyes <small>(22 13 16 00-0030)</small>		
22 13 16 00-0080	EA		3" x 2" Bell And Spigot Cast Iron Reducing Wye	160.22	68.71
			<i>For Extra Heavy Fittings, Add</i>	20.01	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	5.15	
			<i>For Work In Restricted Working Space, Add</i>	30.92	
22 13 16 00-0081	EA		4" x 2" Bell And Spigot Cast Iron Reducing Wye	195.78	84.92
			<i>For Extra Heavy Fittings, Add</i>	23.94	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	6.37	
			<i>For Work In Restricted Working Space, Add</i>	38.21	
22 13 16 00-0082	EA		4" x 3" Bell And Spigot Cast Iron Reducing Wye	213.90	87.08
			<i>For Extra Heavy Fittings, Add</i>	29.15	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	6.53	
			<i>For Work In Restricted Working Space, Add</i>	39.19	
22 13 16 00-0083	EA		6" x 2" Bell And Spigot Cast Iron Reducing Wye	300.21	107.71
			<i>For Extra Heavy Fittings, Add</i>	48.58	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	8.07	
			<i>For Work In Restricted Working Space, Add</i>	48.42	
22 13 16 00-0084	EA		6" x 3" Bell And Spigot Cast Iron Reducing Wye	307.57	109.68
			<i>For Extra Heavy Fittings, Add</i>	50.09	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	8.22	
			<i>For Work In Restricted Working Space, Add</i>	49.34	
22 13 16 00-0085	EA		6" x 4" Bell And Spigot Cast Iron Reducing Wye	323.17	117.00
			<i>For Extra Heavy Fittings, Add</i>	51.71	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	8.77	
			<i>For Work In Restricted Working Space, Add</i>	52.63	
22 13 16 00-0086	EA		8" x 2" Bell And Spigot Cast Iron Reducing Wye	452.33	130.00
			<i>For Extra Heavy Fittings, Add</i>	90.11	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	9.74	
			<i>For Work In Restricted Working Space, Add</i>	58.46	
22 13 16 00-0087	EA		8" x 3" Bell And Spigot Cast Iron Reducing Wye	470.93	132.50
			<i>For Extra Heavy Fittings, Add</i>	95.31	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	9.93	
			<i>For Work In Restricted Working Space, Add</i>	59.58	
22 13 16 00-0088	EA		8" x 4" Bell And Spigot Cast Iron Reducing Wye	484.02	138.76
			<i>For Extra Heavy Fittings, Add</i>	96.59	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	10.40	
			<i>For Work In Restricted Working Space, Add</i>	62.42	
22 13 16 00-0089	EA		8" x 6" Bell And Spigot Cast Iron Reducing Wye	566.57	154.35
			<i>For Extra Heavy Fittings, Add</i>	117.29	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	11.57	
			<i>For Work In Restricted Working Space, Add</i>	69.44	
22 13 16 00-0090	EA		10" x 3" Bell And Spigot Cast Iron Reducing Wye	673.26	144.63
			<i>For Extra Heavy Fittings, Add</i>	159.74	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	10.84	
			<i>For Work In Restricted Working Space, Add</i>	65.06	
22 13 16 00-0091	EA		10" x 4" Bell And Spigot Cast Iron Reducing Wye	700.66	150.98
			<i>For Extra Heavy Fittings, Add</i>	165.99	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	11.32	
			<i>For Work In Restricted Working Space, Add</i>	67.92	
22 13 16 00-0092	EA		10" x 6" Bell And Spigot Cast Iron Reducing Wye	767.48	166.95
			<i>For Extra Heavy Fittings, Add</i>	181.03	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	12.51	
			<i>For Work In Restricted Working Space, Add</i>	75.08	
22 13 16 00-0093	EA		10" x 8" Bell And Spigot Cast Iron Reducing Wye	990.54	177.06
			<i>For Extra Heavy Fittings, Add</i>	253.78	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	13.27	
			<i>For Work In Restricted Working Space, Add</i>	79.64	
22 13 16 00-0094	EA		12" x 4" Bell And Spigot Cast Iron Reducing Wye	1,016.65	177.06
			<i>For Extra Heavy Fittings, Add</i>	262.92	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	13.27	
			<i>For Work In Restricted Working Space, Add</i>	79.64	
22 13 16 00-0095	EA		12" x 6" Bell And Spigot Cast Iron Reducing Wye	1,062.34	191.88
			<i>For Extra Heavy Fittings, Add</i>	271.13	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	14.38	
			<i>For Work In Restricted Working Space, Add</i>	86.30	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0096	EA			12" x 8" Bell And Spigot Cast Iron Reducing Wye <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,234.19 326.31 15.09 90.56	201.39
22 13 16 00-0097	EA			12" x 10" Bell And Spigot Cast Iron Reducing Wye <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,479.52 409.01 15.55 93.27	207.36
22 13 16 00-0098	EA			15" x 4" Bell And Spigot Cast Iron Reducing Wye <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	2,364.66 725.03 14.66 87.95	195.53
22 13 16 00-0099	EA			15" x 6" Bell And Spigot Cast Iron Reducing Wye <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	2,472.10 754.18 15.87 95.19	211.60
22 13 16 00-0100	EA			15" x 8" Bell And Spigot Cast Iron Reducing Wye <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	2,525.41 768.06 16.55 99.29	220.74
22 13 16 00-0101	EA			15" x 10" Bell And Spigot Cast Iron Reducing Wye <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	2,585.50 785.18 17.11 102.64	228.25
22 13 16 00-0102	EA			15" x 12" Bell And Spigot Cast Iron Reducing Wye <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	2,655.03 802.53 18.10 108.63	241.52
22 13 16 00-0103 Bell And Spigot Cast Iron Combination Wye And 1/8 Bends (22 13 16 00-0030)						
22 13 16 00-0104	EA			2" Bell And Spigot Cast Iron Combination Wye And 1/8 Bend..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	121.32 7.95 4.93 29.59	65.75
22 13 16 00-0105	EA			3" Bell And Spigot Cast Iron Combination Wye And 1/8 Bend..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	141.93 11.89 5.40 32.39	72.00
22 13 16 00-0106	EA			4" Bell And Spigot Cast Iron Combination Wye And 1/8 Bend..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	188.36 16.43 7.07 42.43	94.36
22 13 16 00-0107	EA			5" Bell And Spigot Cast Iron Combination Wye And 1/8 Bend..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	244.48 29.76 7.97 47.84	106.39
22 13 16 00-0108	EA			6" Bell And Spigot Cast Iron Combination Wye And 1/8 Bend..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	305.46 37.68 9.89 59.34	131.95
22 13 16 00-0109	EA			8" Bell And Spigot Cast Iron Combination Wye And 1/8 Bend..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	523.06 91.74 13.05 78.29	174.07
22 13 16 00-0110	EA			10" Bell And Spigot Cast Iron Combination Wye And 1/8 Bend..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	742.03 139.96 17.11 102.64	228.25
22 13 16 00-0111	EA			12" Bell And Spigot Cast Iron Combination Wye And 1/8 Bend..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	987.89 191.80 21.99 131.97	293.39
22 13 16 00-0112 Bell And Spigot Cast Iron Reducing Combination Wye And 1/8 Bends (22 13 16 00-0030)						
22 13 16 00-0113	EA			3" x 2" Bell And Spigot Cast Iron Reducing Combination Wye And 1/8 Bend..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	128.53 8.92 5.15 30.92	68.71
22 13 16 00-0114	EA			4" x 2" Bell And Spigot Cast Iron Reducing Combination Wye And 1/8 Bend..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	174.17 16.38 6.37 38.21	84.92
22 13 16 00-0115	EA			4" x 3" Bell And Spigot Cast Iron Reducing Combination Wye And 1/8 Bend..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	185.38 19.17 6.53 39.19	87.08
22 13 16 00-0116	EA			6" x 2" Bell And Spigot Cast Iron Reducing Combination Wye And 1/8 Bend..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	259.31 34.27 8.07 48.42	107.71

22	Plumbing
22 10	Plumbing Piping
22 13	Facility Sanitary Sewerage



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0117	EA		6" x 3" Bell And Spigot Cast Iron Reducing Combination Wye And 1/8 Bend.....	268.74	109.68
			<i>For Extra Heavy Fittings, Add</i>	36.49	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	8.22	
			<i>For Work In Restricted Working Space, Add</i>	49.34	
22 13 16 00-0118	EA		6" x 4" Bell And Spigot Cast Iron Reducing Combination Wye And 1/8 Bend.....	285.28	117.00
			<i>For Extra Heavy Fittings, Add</i>	38.44	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	8.77	
			<i>For Work In Restricted Working Space, Add</i>	52.63	
22 13 16 00-0119	EA		8" x 2" Bell And Spigot Cast Iron Reducing Combination Wye And 1/8 Bend.....	376.36	130.00
			<i>For Extra Heavy Fittings, Add</i>	63.52	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	9.74	
			<i>For Work In Restricted Working Space, Add</i>	58.46	
22 13 16 00-0120	EA		8" x 4" Bell And Spigot Cast Iron Reducing Combination Wye And 1/8 Bend.....	389.54	138.76
			<i>For Extra Heavy Fittings, Add</i>	63.52	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	10.40	
			<i>For Work In Restricted Working Space, Add</i>	62.42	
22 13 16 00-0121	EA		8" x 6" Bell And Spigot Cast Iron Reducing Combination Wye And 1/8 Bend.....	480.59	154.35
			<i>For Extra Heavy Fittings, Add</i>	87.20	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	11.57	
			<i>For Work In Restricted Working Space, Add</i>	69.44	
22 13 16 00-0122			Bell And Spigot Cast Iron Double Wyes (22 13 16 00-0030)		
22 13 16 00-0123	EA		2" Bell And Spigot Cast Iron Double Wye	180.68	78.66
			<i>For Extra Heavy Fittings, Add</i>	21.98	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	5.89	
			<i>For Work In Restricted Working Space, Add</i>	35.37	
22 13 16 00-0124	EA		3" Bell And Spigot Cast Iron Double Wye	254.07	99.18
			<i>For Extra Heavy Fittings, Add</i>	36.90	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	7.43	
			<i>For Work In Restricted Working Space, Add</i>	44.59	
22 13 16 00-0125	EA		4" Bell And Spigot Cast Iron Double Wye	339.48	125.43
			<i>For Extra Heavy Fittings, Add</i>	52.98	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	9.41	
			<i>For Work In Restricted Working Space, Add</i>	56.44	
22 13 16 00-0126	EA		6" Bell And Spigot Cast Iron Double Wye	612.66	184.67
			<i>For Extra Heavy Fittings, Add</i>	117.52	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	13.84	
			<i>For Work In Restricted Working Space, Add</i>	83.06	
22 13 16 00-0127	EA		8" Bell And Spigot Cast Iron Double Wye	1,144.88	218.53
			<i>For Extra Heavy Fittings, Add</i>	286.06	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	16.38	
			<i>For Work In Restricted Working Space, Add</i>	98.27	
22 13 16 00-0128	EA		10" Bell And Spigot Cast Iron Double Wye	1,492.55	244.51
			<i>For Extra Heavy Fittings, Add</i>	394.09	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	18.33	
			<i>For Work In Restricted Working Space, Add</i>	109.97	
22 13 16 00-0129	EA		12" Bell And Spigot Cast Iron Double Wye	1,102.75	293.39
			<i>For Extra Heavy Fittings, Add</i>	232.00	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	21.99	
			<i>For Work In Restricted Working Space, Add</i>	131.97	
22 13 16 00-0130	EA		15" Bell And Spigot Cast Iron Double Wye	2,825.18	307.92
			<i>For Extra Heavy Fittings, Add</i>	827.15	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	23.10	
			<i>For Work In Restricted Working Space, Add</i>	138.57	
22 13 16 00-0131			Bell And Spigot Cast Iron Reducing Double Wyes (22 13 16 00-0030)		
22 13 16 00-0132	EA		3" x 2" Bell And Spigot Cast Iron Reducing Double Wye	176.56	93.02
			<i>For Extra Heavy Fittings, Add</i>	12.97	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	6.98	
			<i>For Work In Restricted Working Space, Add</i>	41.85	
22 13 16 00-0133	EA		4" x 2" Bell And Spigot Cast Iron Reducing Double Wye	204.44	106.87
			<i>For Extra Heavy Fittings, Add</i>	15.47	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	8.01	
			<i>For Work In Restricted Working Space, Add</i>	48.08	
22 13 16 00-0134	EA		4" x 3" Bell And Spigot Cast Iron Reducing Double Wye	219.33	112.10
			<i>For Extra Heavy Fittings, Add</i>	17.92	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	8.41	
			<i>For Work In Restricted Working Space, Add</i>	50.44	
22 13 16 00-0135	EA		6" x 2" Bell And Spigot Cast Iron Reducing Double Wye	268.43	128.09
			<i>For Extra Heavy Fittings, Add</i>	26.74	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	9.60	
			<i>For Work In Restricted Working Space, Add</i>	57.61	
22 13 16 00-0136	EA		6" x 3" Bell And Spigot Cast Iron Reducing Double Wye	283.03	132.98
			<i>For Extra Heavy Fittings, Add</i>	29.29	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	9.97	
			<i>For Work In Restricted Working Space, Add</i>	59.81	
22 13 16 00-0137	EA		6" x 4" Bell And Spigot Cast Iron Reducing Double Wye	321.32	145.02
			<i>For Extra Heavy Fittings, Add</i>	36.37	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	10.87	
			<i>For Work In Restricted Working Space, Add</i>	65.22	



Plumbing	22
Plumbing Piping	22 10
Facility Sanitary Sewerage	22 13

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0138	EA		8" x 4" Bell And Spigot Cast Iron Reducing Double Wye	483.11	168.39
			<i>For Extra Heavy Fittings, Add</i>	80.75	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	12.62	
			<i>For Work In Restricted Working Space, Add</i>	75.72	
22 13 16 00-0139	EA		8" x 6" Bell And Spigot Cast Iron Reducing Double Wye	534.93	199.28
			<i>For Extra Heavy Fittings, Add</i>	82.64	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	14.94	
			<i>For Work In Restricted Working Space, Add</i>	89.65	
22 13 16 00-0140	EA		10" x 4" Bell And Spigot Cast Iron Reducing Double Wye	515.10	180.13
			<i>For Extra Heavy Fittings, Add</i>	85.75	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	13.51	
			<i>For Work In Restricted Working Space, Add</i>	81.03	
22 13 16 00-0141	EA		10" x 6" Bell And Spigot Cast Iron Reducing Double Wye	601.23	211.60
			<i>For Extra Heavy Fittings, Add</i>	99.37	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	15.87	
			<i>For Work In Restricted Working Space, Add</i>	95.19	
22 13 16 00-0142	EA		10" x 8" Bell And Spigot Cast Iron Reducing Double Wye	724.40	230.65
			<i>For Extra Heavy Fittings, Add</i>	132.50	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	17.29	
			<i>For Work In Restricted Working Space, Add</i>	103.75	
22 13 16 00-0143	EA		12" x 6" Bell And Spigot Cast Iron Reducing Double Wye	740.11	235.95
			<i>For Extra Heavy Fittings, Add</i>	135.22	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	17.69	
			<i>For Work In Restricted Working Space, Add</i>	106.13	
22 13 16 00-0144	EA		12" x 8" Bell And Spigot Cast Iron Reducing Double Wye	921.52	256.73
			<i>For Extra Heavy Fittings, Add</i>	187.82	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	19.25	
			<i>For Work In Restricted Working Space, Add</i>	115.47	
22 13 16 00-0145			Bell And Spigot Cast Iron Double Combination Wye And 1/8 Bends <small>(22 13 16 00-0030)</small>		
22 13 16 00-0146	EA		2" Bell And Spigot Cast Iron Double Combination Wye And 1/8 Bend	158.18	78.66
			<i>For Extra Heavy Fittings, Add</i>	14.10	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	5.89	
			<i>For Work In Restricted Working Space, Add</i>	35.37	
22 13 16 00-0147	EA		3" Bell And Spigot Cast Iron Double Combination Wye And 1/8 Bend	212.65	105.22
			<i>For Extra Heavy Fittings, Add</i>	19.20	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	7.89	
			<i>For Work In Restricted Working Space, Add</i>	47.34	
22 13 16 00-0148	EA		4" Bell And Spigot Cast Iron Double Combination Wye And 1/8 Bend	274.44	131.58
			<i>For Extra Heavy Fittings, Add</i>	27.02	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	9.86	
			<i>For Work In Restricted Working Space, Add</i>	59.17	
22 13 16 00-0149	EA		6" Bell And Spigot Cast Iron Double Combination Wye And 1/8 Bend	548.78	206.39
			<i>For Extra Heavy Fittings, Add</i>	83.77	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	15.47	
			<i>For Work In Restricted Working Space, Add</i>	92.83	
22 13 16 00-0150			Bell And Spigot Cast Iron Reducing Double Combination Wye And 1/8 Bends <small>(22 13 16 00-0030)</small>		
22 13 16 00-0151	EA		3" x 2" Bell And Spigot Cast Iron Reducing Double Combination Wye And 1/8 Bend	205.11	94.36
			<i>For Extra Heavy Fittings, Add</i>	22.29	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	7.07	
			<i>For Work In Restricted Working Space, Add</i>	42.43	
22 13 16 00-0152	EA		4" x 2" Bell And Spigot Cast Iron Reducing Double Combination Wye And 1/8 Bend	240.48	106.87
			<i>For Extra Heavy Fittings, Add</i>	28.08	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	8.01	
			<i>For Work In Restricted Working Space, Add</i>	48.08	
22 13 16 00-0153	EA		4" x 3" Bell And Spigot Cast Iron Reducing Double Combination Wye And 1/8 Bend	269.37	118.98
			<i>For Extra Heavy Fittings, Add</i>	31.87	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	8.92	
			<i>For Work In Restricted Working Space, Add</i>	53.49	
22 13 16 00-0154	EA		6" x 4" Bell And Spigot Cast Iron Reducing Double Combination Wye And 1/8 Bend	486.34	153.94
			<i>For Extra Heavy Fittings, Add</i>	89.43	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	11.54	
			<i>For Work In Restricted Working Space, Add</i>	69.25	
22 13 16 00-0155			Bell And Spigot Cast Iron Sanitary Tees <small>(22 13 16 00-0030)</small>		
22 13 16 00-0156	EA		2" Bell And Spigot Cast Iron Sanitary Tee	130.10	65.85
			<i>For Extra Heavy Fittings, Add</i>	10.99	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	4.94	
			<i>For Work In Restricted Working Space, Add</i>	29.61	
22 13 16 00-0157	EA		3" Bell And Spigot Cast Iron Sanitary Tee	146.30	72.00
			<i>For Extra Heavy Fittings, Add</i>	13.42	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	5.40	
			<i>For Work In Restricted Working Space, Add</i>	32.39	
22 13 16 00-0158	EA		4" Bell And Spigot Cast Iron Sanitary Tee	219.56	88.20
			<i>For Extra Heavy Fittings, Add</i>	30.54	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	6.62	
			<i>For Work In Restricted Working Space, Add</i>	39.69	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0159	EA		5" Bell And Spigot Cast Iron Sanitary Tee <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	296.02 54.37 7.03 42.21	93.79
22 13 16 00-0160	EA		6" Bell And Spigot Cast Iron Sanitary Tee <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	355.08 65.24 8.43 50.60	112.50
22 13 16 00-0161	EA		8" Bell And Spigot Cast Iron Sanitary Tee <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	712.24 171.77 11.07 66.44	147.71
22 13 16 00-0162	EA		10" Bell And Spigot Cast Iron Sanitary Tee <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,047.42 272.06 13.51 81.03	180.13
22 13 16 00-0163	EA		12" Bell And Spigot Cast Iron Sanitary Tee <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,531.53 424.98 15.87 95.19	211.60
22 13 16 00-0164 Bell And Spigot Cast Iron Reducing Sanitary Tees (22 13 16 00-0030)					
22 13 16 00-0165	EA		3" x 2" Bell And Spigot Cast Iron Reducing Sanitary Tee <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	163.20 21.05 5.15 30.92	68.71
22 13 16 00-0166	EA		4" x 2" Bell And Spigot Cast Iron Reducing Sanitary Tee <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	192.72 25.22 6.03 36.20	80.51
22 13 16 00-0167	EA		4" x 3" Bell And Spigot Cast Iron Reducing Sanitary Tee <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	199.66 27.65 6.03 36.20	80.51
22 13 16 00-0168	EA		6" x 2" Bell And Spigot Cast Iron Reducing Sanitary Tee <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	290.95 45.34 8.07 48.42	107.71
22 13 16 00-0169	EA		6" x 3" Bell And Spigot Cast Iron Reducing Sanitary Tee <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	301.62 48.00 8.22 49.34	109.68
22 13 16 00-0170	EA		6" x 4" Bell And Spigot Cast Iron Reducing Sanitary Tee <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	326.14 52.75 8.77 52.63	117.00
22 13 16 00-0171	EA		8" x 4" Bell And Spigot Cast Iron Reducing Sanitary Tee <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	523.35 110.35 10.40 62.42	138.76
22 13 16 00-0172	EA		8" x 6" Bell And Spigot Cast Iron Reducing Sanitary Tee <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	646.21 145.17 11.57 69.44	154.35
22 13 16 00-0173 Bell And Spigot Cast Iron Vent Tees (22 13 16 00-0030)					
22 13 16 00-0174	EA		2" Bell And Spigot Cast Iron Vent Tee <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	116.96 6.42 4.93 29.59	65.75
22 13 16 00-0175	EA		3" Bell And Spigot Cast Iron Vent Tee <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	139.89 11.18 5.40 32.39	72.00
22 13 16 00-0176	EA		4" Bell And Spigot Cast Iron Vent Tee <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	184.69 15.14 7.07 42.43	94.36
22 13 16 00-0177	EA		5" Bell And Spigot Cast Iron Vent Tee <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	223.99 22.59 7.97 47.84	106.39
22 13 16 00-0178	EA		6" Bell And Spigot Cast Iron Vent Tee <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	280.94 29.10 9.89 59.34	131.95
22 13 16 00-0179	EA		8" Bell And Spigot Cast Iron Vent Tee <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	454.45 67.73 13.05 78.29	174.07
22 13 16 00-0180 Bell And Spigot Cast Iron Tapped Sanitary Tees (22 13 16 00-0030)					



Plumbing	22
Plumbing Piping	22 10
Facility Sanitary Sewerage	22 13

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0181 EA 2" Bell And Spigot Cast Iron Tapped Sanitary Tee	119.11	65.75
For Extra Heavy Fittings, Add	7.17	
For Above Ground Cast Iron Pipe Installation, Add	4.93	
For Work In Restricted Working Space, Add	29.59	
22 13 16 00-0182 EA 3" Bell And Spigot Cast Iron Tapped Sanitary Tee	131.13	72.00
For Extra Heavy Fittings, Add	8.11	
For Above Ground Cast Iron Pipe Installation, Add	5.40	
For Work In Restricted Working Space, Add	32.39	
22 13 16 00-0183 EA 4" Bell And Spigot Cast Iron Tapped Sanitary Tee	169.98	94.36
For Extra Heavy Fittings, Add	9.99	
For Above Ground Cast Iron Pipe Installation, Add	7.07	
For Work In Restricted Working Space, Add	42.43	
22 13 16 00-0184 Bell And Spigot Cast Iron Tapped Sanitary Crosses (22 13 16 00-0030)		
22 13 16 00-0185 EA 2" Bell And Spigot Cast Iron Tapped Sanitary Cross	120.47	65.75
For Extra Heavy Fittings, Add	7.65	
For Above Ground Cast Iron Pipe Installation, Add	4.93	
For Work In Restricted Working Space, Add	29.59	
22 13 16 00-0186 EA 3" Bell And Spigot Cast Iron Tapped Sanitary Cross	133.70	72.00
For Extra Heavy Fittings, Add	9.01	
For Above Ground Cast Iron Pipe Installation, Add	5.40	
For Work In Restricted Working Space, Add	32.39	
22 13 16 00-0187 EA 4" Bell And Spigot Cast Iron Tapped Sanitary Cross	176.46	94.36
For Extra Heavy Fittings, Add	12.26	
For Above Ground Cast Iron Pipe Installation, Add	7.07	
For Work In Restricted Working Space, Add	42.43	
22 13 16 00-0188 Bell And Spigot Cast Iron Reducers (22 13 16 00-0030)		
22 13 16 00-0189 EA 3" x 2" Bell And Spigot Cast Iron Reducer	67.04	37.03
For Extra Heavy Fittings, Add	4.06	
For Above Ground Cast Iron Pipe Installation, Add	2.77	
For Work In Restricted Working Space, Add	16.63	
22 13 16 00-0190 EA 4" x 2" Bell And Spigot Cast Iron Reducer	85.39	48.82
For Extra Heavy Fittings, Add	4.25	
For Above Ground Cast Iron Pipe Installation, Add	3.66	
For Work In Restricted Working Space, Add	21.98	
22 13 16 00-0191 EA 4" x 3" Bell And Spigot Cast Iron Reducer	89.55	49.23
For Extra Heavy Fittings, Add	5.52	
For Above Ground Cast Iron Pipe Installation, Add	3.69	
For Work In Restricted Working Space, Add	22.14	
22 13 16 00-0192 EA 6" x 2" Bell And Spigot Cast Iron Reducer	108.34	56.95
For Extra Heavy Fittings, Add	8.02	
For Above Ground Cast Iron Pipe Installation, Add	4.27	
For Work In Restricted Working Space, Add	25.63	
22 13 16 00-0193 EA 6" x 3" Bell And Spigot Cast Iron Reducer	112.31	57.71
For Extra Heavy Fittings, Add	9.01	
For Above Ground Cast Iron Pipe Installation, Add	4.33	
For Work In Restricted Working Space, Add	25.97	
22 13 16 00-0194 EA 6" x 4" Bell And Spigot Cast Iron Reducer	115.54	58.92
For Extra Heavy Fittings, Add	9.53	
For Above Ground Cast Iron Pipe Installation, Add	4.42	
For Work In Restricted Working Space, Add	26.49	
22 13 16 00-0195 EA 8" x 2" Bell And Spigot Cast Iron Reducer	141.31	60.72
For Extra Heavy Fittings, Add	17.59	
For Above Ground Cast Iron Pipe Installation, Add	4.55	
For Work In Restricted Working Space, Add	27.31	
22 13 16 00-0196 EA 8" x 3" Bell And Spigot Cast Iron Reducer	163.18	74.96
For Extra Heavy Fittings, Add	17.78	
For Above Ground Cast Iron Pipe Installation, Add	5.62	
For Work In Restricted Working Space, Add	33.71	
22 13 16 00-0197 EA 8" x 4" Bell And Spigot Cast Iron Reducer	167.46	76.88
For Extra Heavy Fittings, Add	18.25	
For Above Ground Cast Iron Pipe Installation, Add	5.77	
For Work In Restricted Working Space, Add	34.59	
22 13 16 00-0198 EA 8" x 6" Bell And Spigot Cast Iron Reducer	173.39	80.25
For Extra Heavy Fittings, Add	18.59	
For Above Ground Cast Iron Pipe Installation, Add	6.01	
For Work In Restricted Working Space, Add	36.08	
22 13 16 00-0199 EA 10" x 4" Bell And Spigot Cast Iron Reducer	211.06	90.06
For Extra Heavy Fittings, Add	26.60	
For Above Ground Cast Iron Pipe Installation, Add	6.75	
For Work In Restricted Working Space, Add	40.52	
22 13 16 00-0200 EA 10" x 6" Bell And Spigot Cast Iron Reducer	222.34	94.59
For Extra Heavy Fittings, Add	28.16	
For Above Ground Cast Iron Pipe Installation, Add	7.09	
For Work In Restricted Working Space, Add	42.56	
22 13 16 00-0201 EA 10" x 8" Bell And Spigot Cast Iron Reducer	235.78	98.73
For Extra Heavy Fittings, Add	30.71	
For Above Ground Cast Iron Pipe Installation, Add	7.40	
For Work In Restricted Working Space, Add	44.41	

22	Plumbing
22 10	Plumbing Piping
22 13	Facility Sanitary Sewerage



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0202 EA 12" x 4" Bell And Spigot Cast Iron Reducer	284.47	107.01
For Extra Heavy Fittings, Add	43.44	
For Above Ground Cast Iron Pipe Installation, Add	8.02	
For Work In Restricted Working Space, Add	48.11	
22 13 16 00-0203 EA 12" x 6" Bell And Spigot Cast Iron Reducer	320.48	125.19
For Extra Heavy Fittings, Add	46.45	
For Above Ground Cast Iron Pipe Installation, Add	9.39	
For Work In Restricted Working Space, Add	56.33	
22 13 16 00-0204 EA 12" x 8" Bell And Spigot Cast Iron Reducer	350.49	142.60
For Extra Heavy Fittings, Add	47.83	
For Above Ground Cast Iron Pipe Installation, Add	10.69	
For Work In Restricted Working Space, Add	64.15	
22 13 16 00-0205 EA 12" x 10" Bell And Spigot Cast Iron Reducer	388.30	164.26
For Extra Heavy Fittings, Add	49.71	
For Above Ground Cast Iron Pipe Installation, Add	12.31	
For Work In Restricted Working Space, Add	73.88	
22 13 16 00-0206 EA 15" x 6" Bell And Spigot Cast Iron Reducer	480.21	164.26
For Extra Heavy Fittings, Add	81.88	
For Above Ground Cast Iron Pipe Installation, Add	12.31	
For Work In Restricted Working Space, Add	73.88	
22 13 16 00-0207 EA 15" x 8" Bell And Spigot Cast Iron Reducer	512.19	177.06
For Extra Heavy Fittings, Add	86.36	
For Above Ground Cast Iron Pipe Installation, Add	13.27	
For Work In Restricted Working Space, Add	79.64	
22 13 16 00-0208 EA 15" x 10" Bell And Spigot Cast Iron Reducer	534.60	186.67
For Extra Heavy Fittings, Add	89.13	
For Above Ground Cast Iron Pipe Installation, Add	14.00	
For Work In Restricted Working Space, Add	83.98	
22 13 16 00-0209 EA 15" x 12" Bell And Spigot Cast Iron Reducer	564.71	199.28
For Extra Heavy Fittings, Add	93.06	
For Above Ground Cast Iron Pipe Installation, Add	14.94	
For Work In Restricted Working Space, Add	89.65	
22 13 16 00-0210 Bell And Spigot Cast Iron P-Traps (22 13 16 00-0030)		
22 13 16 00-0211 EA 2" Bell And Spigot Cast Iron P-Trap	63.94	29.44
For Extra Heavy Fittings, Add	6.94	
For Above Ground Cast Iron Pipe Installation, Add	2.21	
For Work In Restricted Working Space, Add	13.23	
22 13 16 00-0212 EA 3" Bell And Spigot Cast Iron P-Trap	84.29	37.03
For Extra Heavy Fittings, Add	10.10	
For Above Ground Cast Iron Pipe Installation, Add	2.77	
For Work In Restricted Working Space, Add	16.63	
22 13 16 00-0213 EA 4" Bell And Spigot Cast Iron P-Trap	114.21	49.23
For Extra Heavy Fittings, Add	14.15	
For Above Ground Cast Iron Pipe Installation, Add	3.69	
For Work In Restricted Working Space, Add	22.14	
22 13 16 00-0214 EA 5" Bell And Spigot Cast Iron P-Trap	165.66	52.73
For Extra Heavy Fittings, Add	30.33	
For Above Ground Cast Iron Pipe Installation, Add	3.95	
For Work In Restricted Working Space, Add	23.70	
22 13 16 00-0215 EA 6" Bell And Spigot Cast Iron P-Trap	217.77	62.02
For Extra Heavy Fittings, Add	43.68	
For Above Ground Cast Iron Pipe Installation, Add	4.65	
For Work In Restricted Working Space, Add	27.89	
22 13 16 00-0216 EA 8" Bell And Spigot Cast Iron P-Trap	453.41	80.25
For Extra Heavy Fittings, Add	116.60	
For Above Ground Cast Iron Pipe Installation, Add	6.01	
For Work In Restricted Working Space, Add	36.08	
22 13 16 00-0217 EA 10" Bell And Spigot Cast Iron P-Trap	507.94	98.73
For Extra Heavy Fittings, Add	125.97	
For Above Ground Cast Iron Pipe Installation, Add	7.40	
For Work In Restricted Working Space, Add	44.41	
22 13 16 00-0218 Bell And Spigot Cast Iron Deep Seal P-Traps (22 13 16 00-0030)		
22 13 16 00-0219 EA 2" Bell And Spigot Cast Iron Deep Seal P-Trap	71.47	29.44
For Extra Heavy Fittings, Add	9.58	
For Above Ground Cast Iron Pipe Installation, Add	2.21	
For Work In Restricted Working Space, Add	13.23	
22 13 16 00-0220 EA 3" Bell And Spigot Cast Iron Deep Seal P-Trap	99.10	37.03
For Extra Heavy Fittings, Add	15.28	
For Above Ground Cast Iron Pipe Installation, Add	2.77	
For Work In Restricted Working Space, Add	16.63	
22 13 16 00-0221 EA 4" Bell And Spigot Cast Iron Deep Seal P-Trap	141.74	49.23
For Extra Heavy Fittings, Add	23.78	
For Above Ground Cast Iron Pipe Installation, Add	3.69	
For Work In Restricted Working Space, Add	22.14	
22 13 16 00-0222 EA 5" Bell And Spigot Cast Iron Deep Seal P-Trap	218.49	58.92
For Extra Heavy Fittings, Add	45.56	
For Above Ground Cast Iron Pipe Installation, Add	4.42	
For Work In Restricted Working Space, Add	26.49	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0223	EA			6" Bell And Spigot Cast Iron Deep Seal P-Trap <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	233.58 47.26 4.93 29.56	65.70
22 13 16 00-0224 Bell And Spigot Cast Iron Running Traps With Single Vent <small>(22 13 16 00-0030)</small>						
22 13 16 00-0225	EA			3" x 3" Bell And Spigot Cast Iron Running Trap With Single Vent <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	167.19 5.40 32.39	71.07
22 13 16 00-0226	EA			4" x 4" Bell And Spigot Cast Iron Running Trap With Single Vent <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	222.06 7.07 42.43	93.43
22 13 16 00-0227	EA			5" x 4" Bell And Spigot Cast Iron Running Trap With Single Vent <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	283.09 7.74 46.42	102.34
22 13 16 00-0228	EA			6" x 4" Bell And Spigot Cast Iron Running Trap With Single Vent <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	521.00 8.77 52.63	115.98
22 13 16 00-0229	EA			8" x 4" Bell And Spigot Cast Iron Running Trap With Single Vent <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,579.96 10.40 62.42	137.22
22 13 16 00-0230	EA			8" x 6" Bell And Spigot Cast Iron Running Trap With Single Vent <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,712.89 11.57 69.44	153.10
22 13 16 00-0231 Bell And Spigot Cast Running Traps With Double Vent <small>(22 13 16 00-0030)</small>						
22 13 16 00-0232	EA			3" x 3" Bell And Spigot Cast Iron Running Trap With Double Vent <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	217.84 7.43 44.59	98.16
22 13 16 00-0233	EA			4" x 4" Bell And Spigot Cast Iron Running Trap With Double Vent <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	291.92 9.41 56.44	123.89
22 13 16 00-0234	EA			6" x 4" Bell And Spigot Cast Iron Running Trap With Double Vent <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	588.49 10.87 65.22	143.32
22 13 16 00-0235	EA			6" x 6" Bell And Spigot Cast Iron Running Trap With Double Vent <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	686.36 13.15 78.87	173.49
22 13 16 00-0236	EA			8" x 4" Bell And Spigot Cast Iron Running Trap With Double Vent <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,711.77 12.62 75.72	166.37
22 13 16 00-0237	EA			8" x 6" Bell And Spigot Cast Iron Running Trap With Double Vent <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,886.13 14.94 89.65	197.55
22 13 16 00-0238	EA			10" x 8" Bell And Spigot Cast Iron Running Trap With Double Vent <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	2,490.31 17.29 103.75	227.96
22 13 16 00-0239	EA			12" x 10" Bell And Spigot Cast Iron Running Trap With Double Vent <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	3,418.65 19.96 119.78	263.57
22 13 16 00-0240	EA			15" x 12" Bell And Spigot Cast Iron Running Trap With Double Vent <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	6,543.16 23.10 138.62	304.84
22 13 16 00-0241 Bell And Spigot Cast Iron Scission Joint Fittings <small>(22 13 16 00-0030)</small>						
22 13 16 00-0242	EA			2" Bell And Spigot Cast Iron Scission Joint Fitting <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	114.78 2.20 13.20	
22 13 16 00-0243	EA			3" Bell And Spigot Cast Iron Scission Joint Fitting <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	154.15 2.47 14.83	
22 13 16 00-0244	EA			4" Bell And Spigot Cast Iron Scission Joint Fitting <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	181.39 3.31 19.87	
22 13 16 00-0245	EA			5" Bell And Spigot Cast Iron Scission Joint Fitting <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	222.21 3.85 23.08	
22 13 16 00-0246	EA			6" Bell And Spigot Cast Iron Scission Joint Fitting <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	269.67 4.65 27.88	
22 13 16 00-0247	EA			8" Bell And Spigot Cast Iron Scission Joint Fitting <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	489.13 5.87 35.23	
22 13 16 00-0248 Cut And Prepare Existing In-Place Cast Iron Pipe <small>(22 13 16 00-0019)</small>						
Note: For use when connecting pipe to an existing in-place system.						
22 13 16 00-0249	EA			2", Cut And Prepare Existing In-Place Cast Iron Pipe <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	12.26 0.61 3.68	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0250	EA		3", Cut And Prepare Existing In-Place Cast Iron Pipe..... <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	13.38 0.67 4.01	
22 13 16 00-0251	EA		4", Cut And Prepare Existing In-Place Cast Iron Pipe..... <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	16.71 0.84 5.01	
22 13 16 00-0252	EA		6", Cut And Prepare Existing In-Place Cast Iron Pipe..... <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	20.06 1.00 6.02	
22 13 16 00-0253	EA		8", Cut And Prepare Existing In-Place Cast Iron Pipe..... <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	26.74 1.34 8.02	
22 13 16 00-0254	EA		10", Cut And Prepare Existing In-Place Cast Iron Pipe..... <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	31.20 1.56 9.36	
22 13 16 00-0255	EA		12", Cut And Prepare Existing In-Place Cast Iron Pipe..... <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	36.77 1.84 11.03	
22 13 16 00-0256	EA		15", Cut And Prepare Existing In-Place Cast Iron Pipe..... <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	42.35 2.12 12.71	
22 13 16 00-0257			Joint Material <small>(22 13 16 00-0019)</small> Note: Labor costs are included in the installation costs for fittings.		
22 13 16 00-0258	LB		Lead (1 LB/Diameter Inch) Joint Material.....	1.55	
22 13 16 00-0259	LB		Oakum (1/8 LB/Diameter Inch) Joint Material.....	6.87	
22 13 16 00-0260	EA		2" Dual Tite Rubber Gasket.....	0.72	
22 13 16 00-0261	EA		3" Dual Tite Rubber Gasket.....	0.99	
22 13 16 00-0262	EA		4" Dual Tite Rubber Gasket.....	1.23	
22 13 16 00-0263	EA		6" Dual Tite Rubber Gasket.....	2.04	
22 13 16 00-0264	EA		8" Dual Tite Rubber Gasket.....	4.49	
22 13 16 00-0265	EA		10" Dual Tite Rubber Gasket.....	6.89	
22 13 16 00-0266	EA		12" Dual Tite Rubber Gasket.....	8.78	
22 13 16 00-0267	EA		15" Dual Tite Rubber Gasket.....	10.43	
22 13 16 00-0268			No Hub Cast Iron Soil Pipe And Fittings <small>(22 13 16)</small> Note: Service Weight. Excludes hangers.		
22 13 16 00-0269			No Hub Cast Iron Pipe <small>(22 13 16 00-0268)</small> Note: Excludes couplings.		
22 13 16 00-0270	LF		1-1/2" No Hub Cast Iron Pipe..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	12.51 0.46 2.77	6.15
22 13 16 00-0271	LF		2" No Hub Cast Iron Pipe..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	13.35 0.50 2.97	6.56
22 13 16 00-0272	LF		3" No Hub Cast Iron Pipe..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	19.11 0.72 4.31	9.54
22 13 16 00-0273	LF		4" No Hub Cast Iron Pipe..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	24.81 0.93 5.60	12.41
22 13 16 00-0274	LF		5" No Hub Cast Iron Pipe..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	30.15 1.08 6.47	14.38
22 13 16 00-0275	LF		6" No Hub Cast Iron Pipe..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	34.12 1.18 7.05	15.70
22 13 16 00-0276	LF		8" No Hub Cast Iron Pipe..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	50.84 1.69 10.15	22.61
22 13 16 00-0277	LF		10" No Hub Cast Iron Pipe..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	66.68 1.92 11.55	25.69
22 13 16 00-0278			No Hub Cast Iron Fittings <small>(22 13 16 00-0268)</small>		
22 13 16 00-0279			No Hub Cast Iron Long Sweeps <small>(22 13 16 00-0278)</small>		
22 13 16 00-0280	EA		1-1/2" No Hub Cast Iron Long Sweep..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	51.82 2.18 13.09	29.12
22 13 16 00-0281	EA		2" No Hub Cast Iron Long Sweep..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	52.03 2.18 13.09	29.12
22 13 16 00-0282	EA		3" No Hub Cast Iron Long Sweep..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	60.54 2.50 15.01	33.34
22 13 16 00-0283	EA		4" No Hub Cast Iron Long Sweep..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	81.83 3.31 19.85	44.10



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0284	EA		5" No Hub Cast Iron Long Sweep <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	99.96 3.56 21.34	47.46
22 13 16 00-0285	EA		6" No Hub Cast Iron Long Sweep <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	118.89 4.24 25.47	56.58
22 13 16 00-0286	EA		8" No Hub Cast Iron Long Sweep <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	202.92 5.50 32.99	73.32
22 13 16 00-0287 No Hub Cast Iron Reducing Long Sweeps (22 13 16 00-0278)					
22 13 16 00-0288	EA		3" x 2" No Hub Cast Iron Reducing Long Sweep <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	69.20 2.50 15.01	33.34
22 13 16 00-0289	EA		4" x 3" No Hub Cast Iron Reducing Long Sweep <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	98.34 3.31 19.85	44.10
22 13 16 00-0290 No Hub Cast Iron Short Sweeps (22 13 16 00-0278)					
22 13 16 00-0291	EA		2" No Hub Cast Iron Short Sweep <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	50.29 2.18 13.09	29.12
22 13 16 00-0292	EA		3" No Hub Cast Iron Short Sweep <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	59.16 2.50 15.01	33.34
22 13 16 00-0293	EA		4" No Hub Cast Iron Short Sweep <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	81.11 3.31 19.85	44.10
22 13 16 00-0294	EA		5" No Hub Cast Iron Short Sweep <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	100.23 3.56 21.34	47.46
22 13 16 00-0295	EA		6" No Hub Cast Iron Short Sweep <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	114.66 4.24 25.47	56.58
22 13 16 00-0296	EA		8" No Hub Cast Iron Short Sweep <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	190.15 5.50 32.99	73.32
22 13 16 00-0297	EA		10" No Hub Cast Iron Short Sweep <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	294.99 7.70 46.19	102.67
22 13 16 00-0298 No Hub Cast Iron 1/4 Bends (22 13 16 00-0278)					
22 13 16 00-0299	EA		1-1/2" No Hub Cast Iron 1/4 Bend <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	47.01 2.09 12.56	27.90
22 13 16 00-0300	EA		2" No Hub Cast Iron 1/4 Bend <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	49.09 2.18 13.09	29.12
22 13 16 00-0301	EA		3" No Hub Cast Iron 1/4 Bend <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	57.22 2.50 15.01	33.34
22 13 16 00-0302	EA		4" No Hub Cast Iron 1/4 Bend <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	76.82 3.31 19.85	44.10
22 13 16 00-0303	EA		5" No Hub Cast Iron 1/4 Bend <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	94.90 3.56 21.34	47.46
22 13 16 00-0304	EA		6" No Hub Cast Iron 1/4 Bend <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	111.25 4.24 25.47	56.58
22 13 16 00-0305	EA		8" No Hub Cast Iron 1/4 Bend <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	180.20 5.50 32.99	73.32
22 13 16 00-0306 No Hub Cast Iron 1/8 Bends (22 13 16 00-0278)					
22 13 16 00-0307	EA		1-1/2" No Hub Cast Iron 1/8 Bend <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	45.91 2.09 12.56	27.90
22 13 16 00-0308	EA		2" No Hub Cast Iron 1/8 Bend <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	47.78 2.18 13.09	29.12
22 13 16 00-0309	EA		3" No Hub Cast Iron 1/8 Bend <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	55.93 2.50 15.01	33.34
22 13 16 00-0310	EA		4" No Hub Cast Iron 1/8 Bend <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	73.92 3.31 19.85	44.10
22 13 16 00-0311	EA		6" No Hub Cast Iron 1/8 Bend <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	115.37 4.88 29.30	65.12

22	Plumbing
22 10	Plumbing Piping
22 13	Facility Sanitary Sewerage



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0312	EA		8" No Hub Cast Iron 1/8 Bend.....	175.32	85.54
			<i>For Below Ground Installation, Add</i>	6.41	
			<i>For Work In Restricted Working Space, Add</i>	38.46	
22 13 16 00-0313	EA		10" No Hub Cast Iron 1/8 Bend.....	246.65	105.22
			<i>For Below Ground Installation, Add</i>	7.89	
			<i>For Work In Restricted Working Space, Add</i>	47.34	
22 13 16 00-0314			No Hub Cast Iron Wyes (22 13 16 00-0278)		
22 13 16 00-0315	EA		1-1/2" No Hub Cast Iron Wye.....	72.94	43.90
			<i>For Below Ground Installation, Add</i>	3.29	
			<i>For Work In Restricted Working Space, Add</i>	19.73	
22 13 16 00-0316	EA		2" No Hub Cast Iron Wye.....	96.46	59.48
			<i>For Below Ground Installation, Add</i>	4.46	
			<i>For Work In Restricted Working Space, Add</i>	26.75	
22 13 16 00-0317	EA		3" No Hub Cast Iron Wye.....	107.62	65.12
			<i>For Below Ground Installation, Add</i>	4.88	
			<i>For Work In Restricted Working Space, Add</i>	29.30	
22 13 16 00-0318	EA		4" No Hub Cast Iron Wye.....	144.35	85.54
			<i>For Below Ground Installation, Add</i>	6.41	
			<i>For Work In Restricted Working Space, Add</i>	38.46	
22 13 16 00-0319	EA		5" No Hub Cast Iron Wye.....	173.42	92.38
			<i>For Below Ground Installation, Add</i>	6.93	
			<i>For Work In Restricted Working Space, Add</i>	41.55	
22 13 16 00-0320	EA		6" No Hub Cast Iron Wye.....	205.86	109.68
			<i>For Below Ground Installation, Add</i>	8.22	
			<i>For Work In Restricted Working Space, Add</i>	49.34	
22 13 16 00-0321	EA		8" No Hub Cast Iron Wye.....	317.19	146.74
			<i>For Below Ground Installation, Add</i>	11.00	
			<i>For Work In Restricted Working Space, Add</i>	65.99	
22 13 16 00-0322	EA		10" No Hub Cast Iron Wye.....	454.94	163.01
			<i>For Below Ground Installation, Add</i>	12.22	
			<i>For Work In Restricted Working Space, Add</i>	73.31	
22 13 16 00-0323			No Hub Cast Iron Reducing Wyes (22 13 16 00-0278)		
22 13 16 00-0324	EA		3" x 1-1/2" No Hub Cast Iron Reducing Wye.....	92.96	56.82
			<i>For Below Ground Installation, Add</i>	4.26	
			<i>For Work In Restricted Working Space, Add</i>	25.54	
22 13 16 00-0325	EA		3" x 2" No Hub Cast Iron Reducing Wye.....	105.51	65.12
			<i>For Below Ground Installation, Add</i>	4.88	
			<i>For Work In Restricted Working Space, Add</i>	29.30	
22 13 16 00-0326	EA		4" x 2" No Hub Cast Iron Reducing Wye.....	118.00	72.00
			<i>For Below Ground Installation, Add</i>	5.40	
			<i>For Work In Restricted Working Space, Add</i>	32.39	
22 13 16 00-0327	EA		4" x 3" No Hub Cast Iron Reducing Wye.....	133.40	80.00
			<i>For Below Ground Installation, Add</i>	6.00	
			<i>For Work In Restricted Working Space, Add</i>	35.99	
22 13 16 00-0328	EA		6" x 2" No Hub Cast Iron Reducing Wye.....	162.29	93.33
			<i>For Below Ground Installation, Add</i>	7.00	
			<i>For Work In Restricted Working Space, Add</i>	41.99	
22 13 16 00-0329	EA		6" x 3" No Hub Cast Iron Reducing Wye.....	171.36	97.55
			<i>For Below Ground Installation, Add</i>	7.31	
			<i>For Work In Restricted Working Space, Add</i>	43.86	
22 13 16 00-0330	EA		6" x 4" No Hub Cast Iron Reducing Wye.....	198.43	114.00
			<i>For Below Ground Installation, Add</i>	8.54	
			<i>For Work In Restricted Working Space, Add</i>	51.26	
22 13 16 00-0331	EA		8" x 4" No Hub Cast Iron Reducing Wye.....	228.66	115.38
			<i>For Below Ground Installation, Add</i>	8.65	
			<i>For Work In Restricted Working Space, Add</i>	51.90	
22 13 16 00-0332	EA		8" x 6" No Hub Cast Iron Reducing Wye.....	258.83	126.83
			<i>For Below Ground Installation, Add</i>	9.50	
			<i>For Work In Restricted Working Space, Add</i>	57.02	
22 13 16 00-0333	EA		10" x 4" No Hub Cast Iron Reducing Wye.....	348.20	135.10
			<i>For Below Ground Installation, Add</i>	10.13	
			<i>For Work In Restricted Working Space, Add</i>	60.77	
22 13 16 00-0334	EA		10" x 6" No Hub Cast Iron Reducing Wye.....	369.20	144.63
			<i>For Below Ground Installation, Add</i>	10.84	
			<i>For Work In Restricted Working Space, Add</i>	65.06	
22 13 16 00-0335	EA		10" x 8" No Hub Cast Iron Reducing Wye.....	414.48	154.44
			<i>For Below Ground Installation, Add</i>	11.58	
			<i>For Work In Restricted Working Space, Add</i>	69.46	
22 13 16 00-0336			No Hub Cast Iron Combination Wye And 1/8 Bends (22 13 16 00-0278)		
22 13 16 00-0337	EA		1-1/2" No Hub Cast Iron Combination Wye And 1/8 Bend.....	83.82	51.08
			<i>For Below Ground Installation, Add</i>	3.83	
			<i>For Work In Restricted Working Space, Add</i>	22.96	
22 13 16 00-0338	EA		2" No Hub Cast Iron Combination Wye And 1/8 Bend.....	96.75	59.48
			<i>For Below Ground Installation, Add</i>	4.46	
			<i>For Work In Restricted Working Space, Add</i>	26.75	
22 13 16 00-0339	EA		3" No Hub Cast Iron Combination Wye And 1/8 Bend.....	109.83	65.12
			<i>For Below Ground Installation, Add</i>	4.88	
			<i>For Work In Restricted Working Space, Add</i>	29.30	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0340 EA 4" No Hub Cast Iron Combination Wye And 1/8 Bend..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	150.61 6.41 38.46	85.54
22 13 16 00-0341 EA 6" No Hub Cast Iron Combination Wye And 1/8 Bend..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	253.64 9.86 59.17	131.58
22 13 16 00-0342 EA 8" No Hub Cast Iron Combination Wye And 1/8 Bend..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	394.61 12.66 75.93	168.82
22 13 16 00-0343 EA 10" No Hub Cast Iron Combination Wye And 1/8 Bend..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	468.45 15.30 91.79	204.10
22 13 16 00-0344 No Hub Cast Iron Reducing Combination Wye And 1/8 Bends <small>(22 13 16 00-0278)</small>		
22 13 16 00-0345 EA 2" x 1-1/2" No Hub Cast Iron Reducing Combination Wye And 1/8 Bend..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	97.11 4.46 26.75	59.48
22 13 16 00-0346 EA 3" x 2" No Hub Cast Iron Reducing Combination Wye And 1/8 Bend..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	106.62 4.88 29.30	65.12
22 13 16 00-0347 EA 4" x 2" No Hub Cast Iron Reducing Combination Wye And 1/8 Bend..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	120.21 5.40 32.39	72.00
22 13 16 00-0348 EA 4" x 3" No Hub Cast Iron Reducing Combination Wye And 1/8 Bend..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	135.55 6.00 35.99	80.00
22 13 16 00-0349 EA 6" x 2" No Hub Cast Iron Reducing Combination Wye And 1/8 Bend..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	168.73 7.00 41.99	93.33
22 13 16 00-0350 EA 6" x 3" No Hub Cast Iron Reducing Combination Wye And 1/8 Bend..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	182.62 7.31 43.86	97.55
22 13 16 00-0351 EA 6" x 4" No Hub Cast Iron Reducing Combination Wye And 1/8 Bend..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	208.29 8.54 51.26	114.00
22 13 16 00-0352 EA 8" x 4" No Hub Cast Iron Reducing Combination Wye And 1/8 Bend..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	247.09 8.65 51.90	115.38
22 13 16 00-0353 EA 8" x 6" No Hub Cast Iron Reducing Combination Wye And 1/8 Bend..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	300.94 9.50 57.02	126.83
22 13 16 00-0354 No Hub Cast Iron Double Wyes <small>(22 13 16 00-0278)</small>		
22 13 16 00-0355 EA 2" No Hub Cast Iron Double Wye <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	121.02 5.54 33.26	73.95
22 13 16 00-0356 EA 3" No Hub Cast Iron Double Wye <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	153.67 6.75 40.49	90.05
22 13 16 00-0357 EA 4" No Hub Cast Iron Double Wye <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	186.09 7.38 44.27	98.46
22 13 16 00-0358 EA 6" No Hub Cast Iron Double Wye <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	273.57 10.36 62.16	138.25
22 13 16 00-0359 EA 8" No Hub Cast Iron Double Wye <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	459.66 14.00 83.98	186.67
22 13 16 00-0360 No Hub Cast Iron Reducing Double Wyes <small>(22 13 16 00-0278)</small>		
22 13 16 00-0361 EA 3" x 2" No Hub Cast Iron Double Wye <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	138.88 6.14 36.85	81.95
22 13 16 00-0362 EA 4" x 2" No Hub Cast Iron Double Wye <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	163.03 7.07 42.44	94.36
22 13 16 00-0363 EA 4" x 3" No Hub Cast Iron Double Wye <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	178.55 7.71 46.27	102.87
22 13 16 00-0364 EA 6" x 4" No Hub Cast Iron Double Wye <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	236.56 9.14 54.82	121.89
22 13 16 00-0365 No Hub Cast Iron Double Combination Wye And 1/8 Bends <small>(22 13 16 00-0278)</small>		
22 13 16 00-0366 EA 2" No Hub Cast Iron Double Combination Wye And 1/8 Bend..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	150.99 6.66 39.96	88.82
22 13 16 00-0367 EA 3" No Hub Cast Iron Double Combination Wye And 1/8 Bend..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	175.12 7.38 44.27	98.46



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0368	EA		4" No Hub Cast Iron Double Combination Wye And 1/8 Bend..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	247.98 9.77 58.61	130.36
22 13 16 00-0369	EA		6" No Hub Cast Iron Double Combination Wye And 1/8 Bend..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	363.09 15.08 90.50	201.23
22 13 16 00-0370			No Hub Cast Iron Reducing Double Combination Wye And 1/8 Bends <small>(22 13 16 00-0278)</small>		
22 13 16 00-0371	EA		3" x 2" No Hub Cast Iron Reducing Double Combination Wye And 1/8 Bend..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	135.23 5.73 34.38	76.41
22 13 16 00-0372	EA		4" x 2" No Hub Cast Iron Reducing Double Combination Wye And 1/8 Bend..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	156.98 6.66 39.96	88.82
22 13 16 00-0373	EA		4" x 3" No Hub Cast Iron Reducing Double Combination Wye And 1/8 Bend..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	180.04 7.27 43.64	97.02
22 13 16 00-0374			No Hub Cast Iron Sanitary Tees <small>(22 13 16 00-0278)</small>		
22 13 16 00-0375	EA		1-1/2" No Hub Cast Iron Sanitary Tee..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	71.33 3.23 19.35	42.98
22 13 16 00-0376	EA		2" No Hub Cast Iron Sanitary Tee..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	96.82 4.46 26.75	59.48
22 13 16 00-0377	EA		3" No Hub Cast Iron Sanitary Tee..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	106.80 4.88 29.30	65.12
22 13 16 00-0378	EA		4" No Hub Cast Iron Sanitary Tee..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	142.50 6.41 38.46	85.54
22 13 16 00-0379	EA		5" No Hub Cast Iron Sanitary Tee..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	173.81 6.93 41.55	92.38
22 13 16 00-0380	EA		6" No Hub Cast Iron Sanitary Tee..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	205.59 8.22 49.34	109.68
22 13 16 00-0381	EA		8" No Hub Cast Iron Sanitary Tee..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	340.05 11.00 65.99	146.74
22 13 16 00-0382	EA		2" x 1-1/2" No Hub Cast Iron Sanitary Tee..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	80.38 3.64 21.82	48.52
22 13 16 00-0383	EA		3" x 1-1/2" No Hub Cast Iron Sanitary Tee..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	93.60 4.26 25.54	56.82
22 13 16 00-0384			No Hub Cast Iron Reducing Sanitary Tees <small>(22 13 16 00-0278)</small>		
22 13 16 00-0385	EA		3" x 2" No Hub Cast Iron Reducing Sanitary Tee..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	97.66 4.46 26.75	59.48
22 13 16 00-0386	EA		3" x 4" No Hub Cast Iron Reducing Sanitary Tee..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	106.40 4.46 26.75	59.48
22 13 16 00-0387	EA		4" x 2" No Hub Cast Iron Reducing Sanitary Tee..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	131.54 6.03 36.20	80.51
22 13 16 00-0388	EA		4" x 3" No Hub Cast Iron Reducing Sanitary Tee..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	133.67 6.03 36.20	80.51
22 13 16 00-0389	EA		5" x 2" No Hub Cast Iron Reducing Sanitary Tee..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	156.82 6.58 39.47	87.78
22 13 16 00-0390	EA		5" x 3" No Hub Cast Iron Reducing Sanitary Tee..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	159.78 6.58 39.47	87.78
22 13 16 00-0391	EA		5" x 4" No Hub Cast Iron Reducing Sanitary Tee..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	160.14 6.58 39.47	87.78
22 13 16 00-0392	EA		6" x 4" No Hub Cast Iron Reducing Sanitary Tee..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	166.47 6.85 41.12	91.45
22 13 16 00-0393	EA		8" x 6" No Hub Cast Iron Reducing Sanitary Tee..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	274.99 9.28 55.65	123.75
22 13 16 00-0394			No Hub Cast Iron Sanitary Tapped Tees <small>(22 13 16 00-0278)</small>		
22 13 16 00-0395	EA		2" x 1-1/2 Or 1-1/4" No Hub Cast Iron Sanitary Tapped Tee..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	51.30 2.18 13.09	29.12



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0396	EA		3" x 1-1/2 Or 1-1/4" No Hub Cast Iron Sanitary Tapped Tee <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	59.23 2.50 15.01	33.34
22 13 16 00-0397	EA		4" x 1-1/2 Or 1-1/4" No Hub Cast Iron Sanitary Tapped Tee <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	75.57 3.31 19.85	44.10
22 13 16 00-0398			No Hub Cast Iron Cleanout Tees <small>(22 13 16 00-0278)</small>		
22 13 16 00-0399	EA		2" No Hub Cast Iron Cleanout Tee <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	49.97 2.18 13.09	29.12
22 13 16 00-0400	EA		3" No Hub Cast Iron Cleanout Tee <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	60.20 2.50 15.01	33.34
22 13 16 00-0401	EA		4" No Hub Cast Iron Cleanout Tee <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	84.05 3.31 19.85	44.10
22 13 16 00-0402	EA		6" No Hub Cast Iron Cleanout Tee <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	132.55 4.88 29.30	65.12
22 13 16 00-0403			No Hub Cast Iron Two-Way Cleanout Tees <small>(22 13 16 00-0278)</small>		
22 13 16 00-0404	EA		4" No Hub Cast Iron Single Two-Way Cleanout Tee <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	179.27 6.41 38.46	85.54
22 13 16 00-0405	EA		4" No Hub Cast Iron Double Two-Way Cleanout Tee <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	242.28 9.74 58.46	129.94
22 13 16 00-0406			No Hub Cast Iron Cleanout Plugs <small>(22 13 16 00-0278)</small>		
22 13 16 00-0407	EA		2" No Hub Cast Iron Cleanout Plug <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	46.33 2.18 13.09	29.12
22 13 16 00-0408	EA		3" No Hub Cast Iron Cleanout Plug <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	54.26 2.50 15.01	33.34
22 13 16 00-0409	EA		4" No Hub Cast Iron Cleanout Plug <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	74.19 3.31 19.85	44.10
22 13 16 00-0410	EA		6" No Hub Cast Iron Cleanout Plug <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	112.66 4.88 29.30	65.12
22 13 16 00-0411	EA		8" No Hub Cast Iron Cleanout Plug <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	148.80 6.41 38.46	85.54
22 13 16 00-0412			No Hub Cast Iron Sanitary Crosses <small>(22 13 16 00-0278)</small>		
22 13 16 00-0413	EA		1-1/2" No Hub Cast Iron Sanitary Cross <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	95.40 4.31 25.85	57.43
22 13 16 00-0414	EA		2" No Hub Cast Iron Sanitary Cross <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	100.71 4.46 26.75	59.48
22 13 16 00-0415	EA		3" No Hub Cast Iron Sanitary Cross <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	115.82 4.88 29.30	65.12
22 13 16 00-0416	EA		4" No Hub Cast Iron Sanitary Cross <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	162.32 6.41 38.46	85.54
22 13 16 00-0417			No Hub Cast Iron Reducing Sanitary Crosses <small>(22 13 16 00-0278)</small>		
22 13 16 00-0418	EA		3" x 2" No Hub Cast Iron Sanitary Cross <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	130.89 5.73 34.37	76.41
22 13 16 00-0419	EA		4" x 2" No Hub Cast Iron Sanitary Cross <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	141.00 5.90 35.38	78.66
22 13 16 00-0420	EA		4" x 3" No Hub Cast Iron Sanitary Cross <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	150.93 6.16 36.93	82.15
22 13 16 00-0421			No Hub Cast Iron Reducers <small>(22 13 16 00-0278)</small>		
22 13 16 00-0422	EA		3" x 2" No Hub Cast Iron Reducer <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	93.05 4.46 26.75	59.48



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0423	EA		4" x 2" No Hub Cast Iron Reducer	126.57	80.51
			<i>For Below Ground Installation, Add</i>	6.03	
			<i>For Work In Restricted Working Space, Add</i>	36.20	
22 13 16 00-0424	EA		4" x 3" No Hub Cast Iron Reducer	126.75	80.51
			<i>For Below Ground Installation, Add</i>	6.03	
			<i>For Work In Restricted Working Space, Add</i>	36.20	
22 13 16 00-0425	EA		5" x 2" No Hub Cast Iron Reducer	140.23	87.78
			<i>For Below Ground Installation, Add</i>	6.58	
			<i>For Work In Restricted Working Space, Add</i>	39.47	
22 13 16 00-0426	EA		5" x 3" No Hub Cast Iron Reducer	141.43	87.78
			<i>For Below Ground Installation, Add</i>	6.58	
			<i>For Work In Restricted Working Space, Add</i>	39.47	
22 13 16 00-0427	EA		5" x 4" No Hub Cast Iron Reducer	141.90	87.78
			<i>For Below Ground Installation, Add</i>	6.58	
			<i>For Work In Restricted Working Space, Add</i>	39.47	
22 13 16 00-0428	EA		6" x 3" No Hub Cast Iron Reducer	161.14	97.55
			<i>For Below Ground Installation, Add</i>	7.31	
			<i>For Work In Restricted Working Space, Add</i>	43.86	
22 13 16 00-0429	EA		6" x 4" No Hub Cast Iron Reducer	161.32	97.55
			<i>For Below Ground Installation, Add</i>	7.31	
			<i>For Work In Restricted Working Space, Add</i>	43.86	
22 13 16 00-0430	EA		6" x 5" No Hub Cast Iron Reducer	161.86	97.55
			<i>For Below Ground Installation, Add</i>	7.31	
			<i>For Work In Restricted Working Space, Add</i>	43.86	
22 13 16 00-0431	EA		8" x 2" No Hub Cast Iron Reducer	225.19	136.93
			<i>For Below Ground Installation, Add</i>	10.26	
			<i>For Work In Restricted Working Space, Add</i>	61.58	
22 13 16 00-0432	EA		8" x 3" No Hub Cast Iron Reducer	226.57	136.93
			<i>For Below Ground Installation, Add</i>	10.26	
			<i>For Work In Restricted Working Space, Add</i>	61.58	
22 13 16 00-0433	EA		8" x 4" No Hub Cast Iron Reducer	228.79	136.93
			<i>For Below Ground Installation, Add</i>	10.26	
			<i>For Work In Restricted Working Space, Add</i>	61.58	
22 13 16 00-0434	EA		8" x 5" No Hub Cast Iron Reducer	231.09	136.93
			<i>For Below Ground Installation, Add</i>	10.26	
			<i>For Work In Restricted Working Space, Add</i>	61.58	
22 13 16 00-0435	EA		8" x 6" No Hub Cast Iron Reducer	231.37	136.93
			<i>For Below Ground Installation, Add</i>	10.26	
			<i>For Work In Restricted Working Space, Add</i>	61.58	
22 13 16 00-0436	EA		10" x 4" No Hub Cast Iron Reducer	259.28	144.44
			<i>For Below Ground Installation, Add</i>	10.83	
			<i>For Work In Restricted Working Space, Add</i>	64.95	
22 13 16 00-0437	EA		10" x 6" No Hub Cast Iron Reducer	274.06	150.78
			<i>For Below Ground Installation, Add</i>	11.31	
			<i>For Work In Restricted Working Space, Add</i>	67.84	
22 13 16 00-0438	EA		10" x 8" No Hub Cast Iron Reducer	302.79	163.68
			<i>For Below Ground Installation, Add</i>	12.27	
			<i>For Work In Restricted Working Space, Add</i>	73.61	
22 13 16 00-0439			No Hub Cast Iron Blind Plugs (22 13 16 00-0278)		
22 13 16 00-0440	EA		1-1/2" No Hub Cast Iron Blind Plug	44.08	27.90
			<i>For Below Ground Installation, Add</i>	2.09	
			<i>For Work In Restricted Working Space, Add</i>	12.56	
22 13 16 00-0441	EA		2" No Hub Cast Iron Blind Plug	45.76	29.12
			<i>For Below Ground Installation, Add</i>	2.18	
			<i>For Work In Restricted Working Space, Add</i>	13.09	
22 13 16 00-0442	EA		3" No Hub Cast Iron Blind Plug	53.81	33.34
			<i>For Below Ground Installation, Add</i>	2.50	
			<i>For Work In Restricted Working Space, Add</i>	15.01	
22 13 16 00-0443	EA		4" No Hub Cast Iron Blind Plug	71.23	44.10
			<i>For Below Ground Installation, Add</i>	3.31	
			<i>For Work In Restricted Working Space, Add</i>	19.85	
22 13 16 00-0444	EA		5" No Hub Cast Iron Blind Plug	81.77	48.87
			<i>For Below Ground Installation, Add</i>	3.62	
			<i>For Work In Restricted Working Space, Add</i>	21.71	
22 13 16 00-0445	EA		6" No Hub Cast Iron Blind Plug	94.38	56.58
			<i>For Below Ground Installation, Add</i>	4.24	
			<i>For Work In Restricted Working Space, Add</i>	25.47	
22 13 16 00-0446	EA		8" No Hub Cast Iron Blind Plug	139.92	73.32
			<i>For Below Ground Installation, Add</i>	5.50	
			<i>For Work In Restricted Working Space, Add</i>	32.99	
22 13 16 00-0447	EA		10" No Hub Cast Iron Blind Plug	161.49	79.00
			<i>For Below Ground Installation, Add</i>	5.92	
			<i>For Work In Restricted Working Space, Add</i>	35.53	
22 13 16 00-0448			No Hub Cast Iron P-Traps (22 13 16 00-0278)		
22 13 16 00-0449	EA		2" No Hub Cast Iron P-Trap	51.48	29.12
			<i>For Below Ground Installation, Add</i>	2.18	
			<i>For Work In Restricted Working Space, Add</i>	13.09	
22 13 16 00-0450	EA		3" No Hub Cast Iron P-Trap	67.91	33.34
			<i>For Below Ground Installation, Add</i>	2.50	
			<i>For Work In Restricted Working Space, Add</i>	15.01	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0451	EA		4" No Hub Cast Iron P-Trap..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	97.23 3.31 19.85	44.10
22 13 16 00-0452	EA		5" No Hub Cast Iron P-Trap..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	142.75 3.58 21.50	47.84
22 13 16 00-0453	EA		6" No Hub Cast Iron P-Trap..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	156.67 4.28 25.66	57.04
22 13 16 00-0454			No Hub Cast Iron Deep Seal P-Traps (22 13 16 00-0278)		
22 13 16 00-0455	EA		2" No Hub Cast Iron Deep Seal P-Trap..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	74.16 2.77 16.63	37.03
22 13 16 00-0456	EA		3" No Hub Cast Iron Deep Seal P-Trap..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	103.65 3.69 22.14	49.23
22 13 16 00-0457	EA		4" No Hub Cast Iron Deep Seal P-Trap..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	145.35 4.87 29.23	65.02
22 13 16 00-0458			No Hub Cast Iron Closet Flanges (22 13 16 00-0278)		
22 13 16 00-0459	EA		4" No Hub Cast Iron Closet Flange..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	78.60 3.31 19.85	44.10
22 13 16 00-0460	EA		4" x 2-1/2" No Hub Cast Iron Offset Closet Flange..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	81.18 3.31 19.85	44.10
22 13 16 00-0461			No Hub Cast Iron Closet Bends (22 13 16 00-0278)		
22 13 16 00-0462	EA		4" x 16" No Hub Cast Iron Closet Bend..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	114.84 3.31 19.85	44.10
22 13 16 00-0463			No Hub Cast Iron Threaded Adapter (22 13 16 00-0278)		
22 13 16 00-0464	EA		1-1/4" No Hub Cast Iron Threaded Adapter..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	62.18 2.77 16.63	37.03
22 13 16 00-0465	EA		1-1/2" No Hub Cast Iron Threaded Adapter..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	64.26 2.77 16.63	37.03
22 13 16 00-0466			No Hub Couplings (22 13 16 00-0278) Note: Includes stainless steel shield/clamps assembly with elastomeric gasket, ASTM C 564. (Fernco NH).		
22 13 16 00-0467	EA		1-1/2" No Hub Coupling..... <i>For Medium Duty (Fernco MD-2000), Add</i> <i>For Heavy Duty (Fernco HD-4000), Add</i>	5.09 0.66 1.37	
22 13 16 00-0468	EA		2" No Hub Coupling..... <i>For Medium Duty (Fernco MD-2000), Add</i> <i>For Heavy Duty (Fernco HD-4000), Add</i>	5.09 0.66 1.37	
22 13 16 00-0469	EA		3" No Hub Coupling..... <i>For Medium Duty (Fernco MD-2000), Add</i> <i>For Heavy Duty (Fernco HD-4000), Add</i>	6.04 0.79 1.63	
22 13 16 00-0470	EA		4" No Hub Coupling..... <i>For Medium Duty (Fernco MD-2000), Add</i> <i>For Heavy Duty (Fernco HD-4000), Add</i>	7.17 0.93 1.94	
22 13 16 00-0471	EA		5" No Hub Coupling..... <i>For Medium Duty (Fernco MD-2000), Add</i> <i>For Heavy Duty (Fernco HD-4000), Add</i>	16.59 2.16 4.48	
22 13 16 00-0472	EA		6" No Hub Coupling..... <i>For Medium Duty (Fernco MD-2000), Add</i> <i>For Heavy Duty (Fernco HD-4000), Add</i>	18.23 2.37 4.92	
22 13 16 00-0473	EA		8" No Hub Coupling..... <i>For Medium Duty (Fernco MD-2000), Add</i> <i>For Heavy Duty (Fernco HD-4000), Add</i>	34.34 4.46 9.27	
22 13 16 00-0474	EA		10" No Hub Coupling..... <i>For Medium Duty (Fernco MD-2000), Add</i> <i>For Heavy Duty (Fernco HD-4000), Add</i>	47.30 6.15 12.77	
22 13 16 00-0475	EA		2" x 1-1/2" No Hub Reducing Coupling.....	6.04	
22 13 16 00-0476	EA		3" x 2" No Hub Reducing Coupling.....	9.37	
22 13 16 00-0477	EA		4" x 2" No Hub Reducing Coupling.....	13.07	
22 13 16 00-0478	EA		4" x 3" No Hub Reducing Coupling.....	11.14	
22 13 16 00-0479			Cast Iron Mechanical Joint Couplings With Neoprene Gasket And Bolts (22 13 16 00-0278) Note: For underground connections. See CSI section 22 13 16 00-0861 for additional FERNCO couplings.		
22 13 16 00-0480	EA		1-1/2" Cast Iron Mechanical Joint Coupling With Neoprene Gasket And Bolts.....	14.89	
22 13 16 00-0481	EA		2" Cast Iron Mechanical Joint Coupling With Neoprene Gasket And Bolts.....	15.37	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0482	EA		3" Cast Iron Mechanical Joint Coupling With Neoprene Gasket And Bolts.....	16.14	
22 13 16 00-0483	EA		4" Cast Iron Mechanical Joint Coupling With Neoprene Gasket And Bolts.....	18.83	
22 13 16 00-0484	EA		5" Cast Iron Mechanical Joint Coupling With Neoprene Gasket And Bolts.....	35.55	
22 13 16 00-0485	EA		6" Cast Iron Mechanical Joint Coupling With Neoprene Gasket And Bolts.....	48.80	
22 13 16 00-0486	EA		8" Cast Iron Mechanical Joint Coupling With Neoprene Gasket And Bolts.....	85.50	
22 13 16 00-0487	EA		10" Cast Iron Mechanical Joint Coupling With Neoprene Gasket And Bolts.....	130.65	
22 13 16 00-0488			Cut And Prepare Existing Pipe In-Place (22 13 16 00-0268)		
			Note: For use when connecting pipe to an existing in-place system.		
22 13 16 00-0489	EA		Cut And Prepare 1-1/2" Cast Iron Pipe, No Hub.....	10.03	
			<i>For Work In Restricted Working Space, Add</i>	3.01	
22 13 16 00-0490	EA		Cut And Prepare 2" Cast Iron Pipe, No Hub.....	12.26	
			<i>For Work In Restricted Working Space, Add</i>	3.68	
22 13 16 00-0491	EA		Cut And Prepare 3" Cast Iron Pipe, No Hub.....	13.38	
			<i>For Work In Restricted Working Space, Add</i>	4.01	
22 13 16 00-0492	EA		Cut And Prepare 4" Cast Iron Pipe, No Hub.....	16.71	
			<i>For Work In Restricted Working Space, Add</i>	5.01	
22 13 16 00-0493	EA		Cut And Prepare 6" Cast Iron Pipe, No Hub.....	20.06	
			<i>For Work In Restricted Working Space, Add</i>	6.02	
22 13 16 00-0494	EA		Cut And Prepare 8" Cast Iron Pipe, No Hub.....	26.74	
			<i>For Work In Restricted Working Space, Add</i>	8.02	
22 13 16 00-0495	EA		Cut And Prepare 10" Cast Iron Pipe, No Hub.....	31.20	
			<i>For Work In Restricted Working Space, Add</i>	9.36	
22 13 16 00-0496			Copper Drain-Waste-Vent (DWV) Pipe (22 13 16)		
			See CSI section 22 11 16 00-0414 for copper and brass fittings.		
22 13 16 00-0497	LF		1-1/4" Hard Drawn DWV Copper Tube/Pipe.....	11.33	4.82
22 13 16 00-0498	LF		1-1/2" Hard Drawn DWV Copper Tube/Pipe.....	13.69	5.39
22 13 16 00-0499	LF		2" Hard Drawn DWV Copper Tube/Pipe.....	20.11	6.64
22 13 16 00-0500	LF		3" Hard Drawn DWV Copper Tube/Pipe.....	42.60	9.20
22 13 16 00-0501	LF		4" Hard Drawn DWV Copper Tube/Pipe.....	54.60	10.37
22 13 16 00-0502	LF		5" Hard Drawn DWV Copper Tube/Pipe.....	129.13	11.92
22 13 16 00-0503	LF		6" Hard Drawn DWV Copper Tube/Pipe.....	165.55	18.47
22 13 16 00-0504			Polyvinyl Chloride (PVC) Drain-Waste-Vent (DWV) Pipe And Fittings (22 13 16)		
			Note: Aboveground installation. See CSI section 33 31 11 00-0002 for underground installation.		
22 13 16 00-0505			Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe Assemblies (22 13 16 00-0504)		
			Note: Includes all hangers and couplings, elbow, tee and reducer fittings. All hangers are complete assemblies installed in accordance with uniform plumbing code. Not for use where detail is available.		
22 13 16 00-0506	LF		1-1/2" Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe Assembly.....	20.92	4.30
			Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.		
			<i>For Work In Restricted Working Space, Add</i>	5.90	
22 13 16 00-0507	LF		2" Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe Assembly.....	23.17	5.13
			Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.		
			<i>For Work In Restricted Working Space, Add</i>	6.53	
22 13 16 00-0508	LF		3" Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe Assembly.....	29.59	7.39
			Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.		
			<i>For Work In Restricted Working Space, Add</i>	8.12	
22 13 16 00-0509	LF		4" Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe Assembly.....	33.24	8.00
			Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.		
			<i>For Work In Restricted Working Space, Add</i>	9.02	
22 13 16 00-0510	LF		6" Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe Assembly.....	47.66	10.25
			Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.		
			<i>For Work In Restricted Working Space, Add</i>	11.99	
22 13 16 00-0511	LF		8" Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe Assembly.....	63.22	13.64
			Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.		
			<i>For Work In Restricted Working Space, Add</i>	15.20	
22 13 16 00-0512	LF		10" Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe Assembly.....	85.63	18.26
			Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.		
			<i>For Work In Restricted Working Space, Add</i>	19.81	
22 13 16 00-0513			Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe (22 13 16 00-0504)		
			Note: Excludes fittings or hangers.		
22 13 16 00-0514			Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe (ASTM D-2665) (22 13 16 00-0513)		
			Note: Excludes fittings or hangers.		
22 13 16 00-0515	LF		1-1/2" Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe.....	6.93	4.30
			<i>For Work In Restricted Working Space, Add</i>	1.92	
22 13 16 00-0516	LF		2" Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe.....	8.37	5.13
			<i>For Work In Restricted Working Space, Add</i>	2.30	
22 13 16 00-0517	LF		3" Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe.....	12.41	7.39
			<i>For Work In Restricted Working Space, Add</i>	3.31	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0518	LF		4" Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe <i>For Work In Restricted Working Space, Add</i>	13.91 3.59	8.00
22 13 16 00-0519	LF		6" Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe <i>For Work In Restricted Working Space, Add</i>	17.52 4.22	9.40
22 13 16 00-0520	LF		8" Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe <i>For Work In Restricted Working Space, Add</i>	24.70 5.64	12.50
22 13 16 00-0521	LF		10" Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe <i>For Work In Restricted Working Space, Add</i>	34.11 7.52	16.73
22 13 16 00-0522			Schedule 40 Polyvinyl Chloride (PVC) DWV "Foam-Core" Pipe (ASTM F-891) <small>(22 13 16 00-0513)</small> Note: Excludes fittings or hangers.		
22 13 16 00-0523	LF		1-1/2" Schedule 40 Polyvinyl Chloride (PVC) DWV "Foam-Core" Pipe <i>For Work In Restricted Working Space, Add</i>	6.82 1.92	4.30
22 13 16 00-0524	LF		2" Schedule 40 Polyvinyl Chloride (PVC) DWV "Foam-Core" Pipe <i>For Work In Restricted Working Space, Add</i>	8.24 2.30	5.13
22 13 16 00-0525	LF		3" Schedule 40 Polyvinyl Chloride (PVC) DWV "Foam-Core" Pipe <i>For Work In Restricted Working Space, Add</i>	12.18 3.31	7.39
22 13 16 00-0526	LF		4" Schedule 40 Polyvinyl Chloride (PVC) DWV "Foam-Core" Pipe <i>For Work In Restricted Working Space, Add</i>	13.62 3.59	8.00
22 13 16 00-0527	LF		6" Schedule 40 Polyvinyl Chloride (PVC) DWV "Foam-Core" Pipe <i>For Work In Restricted Working Space, Add</i>	16.97 4.22	9.40
22 13 16 00-0528	LF		8" Schedule 40 Polyvinyl Chloride (PVC) DWV "Foam-Core" Pipe <i>For Work In Restricted Working Space, Add</i>	23.32 5.64	12.50
22 13 16 00-0529	LF		10" Schedule 40 Polyvinyl Chloride (PVC) DWV "Foam-Core" Pipe <i>For Work In Restricted Working Space, Add</i>	32.61 7.52	16.73
22 13 16 00-0530			Polyvinyl Chloride (PVC) DWV Fittings (ASTM D-2665) <small>(22 13 16 00-0504)</small>		
22 13 16 00-0531			Polyvinyl Chloride (PVC) DWV 1/4 Bends <small>(22 13 16 00-0530)</small>		
22 13 16 00-0532	EA		1-1/2" Polyvinyl Chloride (PVC) DWV 1/4 Bends <i>For Work In Restricted Working Space, Add</i>	26.37 7.70	17.13
22 13 16 00-0533	EA		2" Polyvinyl Chloride (PVC) DWV 1/4 Bends <i>For Work In Restricted Working Space, Add</i>	33.74 9.85	21.85
22 13 16 00-0534	EA		3" Polyvinyl Chloride (PVC) DWV 1/4 Bends <i>For Work In Restricted Working Space, Add</i>	46.95 13.23	29.33
22 13 16 00-0535	EA		4" Polyvinyl Chloride (PVC) DWV 1/4 Bends <i>For Work In Restricted Working Space, Add</i>	57.33 15.38	34.15
22 13 16 00-0536	EA		6" Polyvinyl Chloride (PVC) DWV 1/4 Bends <i>For Work In Restricted Working Space, Add</i>	103.45 20.00	44.41
22 13 16 00-0537	EA		8" Polyvinyl Chloride (PVC) DWV 1/4 Bends <i>For Work In Restricted Working Space, Add</i>	152.76 26.92	59.80
22 13 16 00-0538	EA		10" Polyvinyl Chloride (PVC) DWV 1/4 Bends <i>For Work In Restricted Working Space, Add</i>	202.73 35.90	79.69
22 13 16 00-0539			Polyvinyl Chloride (PVC) DWV Long Sweep 1/4 Bends <small>(22 13 16 00-0530)</small>		
22 13 16 00-0540	EA		1-1/2" Polyvinyl Chloride (PVC) DWV Long Sweep 1/4 Bends <i>For Work In Restricted Working Space, Add</i>	28.40 7.70	17.13
22 13 16 00-0541	EA		2" Polyvinyl Chloride (PVC) DWV Long Sweep 1/4 Bends <i>For Work In Restricted Working Space, Add</i>	34.90 9.85	21.85
22 13 16 00-0542	EA		3" Polyvinyl Chloride (PVC) DWV Long Sweep 1/4 Bends <i>For Work In Restricted Working Space, Add</i>	49.95 13.23	29.33
22 13 16 00-0543	EA		4" Polyvinyl Chloride (PVC) DWV Long Sweep 1/4 Bends <i>For Work In Restricted Working Space, Add</i>	62.83 15.38	34.15
22 13 16 00-0544	EA		6" Polyvinyl Chloride (PVC) DWV Long Sweep 1/4 Bends <i>For Work In Restricted Working Space, Add</i>	92.82 20.00	44.41
22 13 16 00-0545	EA		8" Polyvinyl Chloride (PVC) DWV Long Sweep 1/4 Bends <i>For Work In Restricted Working Space, Add</i>	138.79 26.92	59.80
22 13 16 00-0546	EA		10" Polyvinyl Chloride (PVC) DWV Long Sweep 1/4 Bends <i>For Work In Restricted Working Space, Add</i>	202.48 35.90	79.69
22 13 16 00-0547			Polyvinyl Chloride (PVC) DWV 1/8 Bends <small>(22 13 16 00-0530)</small>		
22 13 16 00-0548	EA		1-1/2" Polyvinyl Chloride (PVC) DWV 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	26.54 7.70	17.13
22 13 16 00-0549	EA		2" Polyvinyl Chloride (PVC) DWV 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	33.72 9.85	21.85
22 13 16 00-0550	EA		3" Polyvinyl Chloride (PVC) DWV 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	46.70 13.23	29.33
22 13 16 00-0551	EA		4" Polyvinyl Chloride (PVC) DWV 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	56.10 15.38	34.15
22 13 16 00-0552	EA		6" Polyvinyl Chloride (PVC) DWV 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	100.34 20.00	44.41
22 13 16 00-0553	EA		8" Polyvinyl Chloride (PVC) DWV 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	145.52 26.92	59.80
22 13 16 00-0554	EA		10" Polyvinyl Chloride (PVC) DWV 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	181.45 35.90	79.69
22 13 16 00-0555			Polyvinyl Chloride (PVC) DWV Sanitary Tees <small>(22 13 16 00-0530)</small>		



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0556	EA		1-1/2" Polyvinyl Chloride (PVC) DWV Sanitary Tees.....	39.75	25.65
			<i>For Work In Restricted Working Space, Add</i>	11.54	
22 13 16 00-0557	EA		2" Polyvinyl Chloride (PVC) DWV Sanitary Tees	51.08	32.82
			<i>For Work In Restricted Working Space, Add</i>	14.77	
22 13 16 00-0558	EA		3" Polyvinyl Chloride (PVC) DWV Sanitary Tees	71.07	44.10
			<i>For Work In Restricted Working Space, Add</i>	19.85	
22 13 16 00-0559	EA		4" Polyvinyl Chloride (PVC) DWV Sanitary Tees	86.31	51.28
			<i>For Work In Restricted Working Space, Add</i>	23.08	
22 13 16 00-0560	EA		6" Polyvinyl Chloride (PVC) DWV Sanitary Tees	154.57	66.56
			<i>For Work In Restricted Working Space, Add</i>	30.00	
22 13 16 00-0561	EA		8" Polyvinyl Chloride (PVC) DWV Sanitary Tees	205.15	89.64
			<i>For Work In Restricted Working Space, Add</i>	40.38	
22 13 16 00-0562			Polyvinyl Chloride (PVC) DWV Reducing Sanitary Tees <small>(22 13 16 00-0530)</small>		
22 13 16 00-0563	EA		2" x 1-1/2" x 1-1/2" Polyvinyl Chloride (PVC) DWV Reducing Sanitary Tees.....	44.38	28.00
			<i>For Work In Restricted Working Space, Add</i>	12.62	
22 13 16 00-0564	EA		2" x 1-1/2" x 2" Polyvinyl Chloride (PVC) DWV Reducing Sanitary Tees.....	48.86	30.36
			<i>For Work In Restricted Working Space, Add</i>	13.69	
22 13 16 00-0565	EA		2" x 2" x 1-1/2" Polyvinyl Chloride (PVC) DWV Reducing Sanitary Tees.....	47.49	30.36
			<i>For Work In Restricted Working Space, Add</i>	13.69	
22 13 16 00-0566	EA		3" x 3" x 1-1/2" Polyvinyl Chloride (PVC) DWV Reducing Sanitary Tees.....	60.69	37.95
			<i>For Work In Restricted Working Space, Add</i>	17.08	
22 13 16 00-0567	EA		3" x 3" x 2" Polyvinyl Chloride (PVC) DWV Reducing Sanitary Tees.....	64.10	40.30
			<i>For Work In Restricted Working Space, Add</i>	18.15	
22 13 16 00-0568	EA		4" x 4" x 1-1/2" Polyvinyl Chloride (PVC) DWV Reducing Sanitary Tees.....	69.16	42.66
			<i>For Work In Restricted Working Space, Add</i>	19.23	
22 13 16 00-0569	EA		4" x 4" x 2" Polyvinyl Chloride (PVC) DWV Reducing Sanitary Tees.....	80.41	45.13
			<i>For Work In Restricted Working Space, Add</i>	20.31	
22 13 16 00-0570	EA		4" x 4" x 3" Polyvinyl Chloride (PVC) DWV Reducing Sanitary Tees.....	90.63	48.82
			<i>For Work In Restricted Working Space, Add</i>	22.00	
22 13 16 00-0571	EA		6" x 6" x 4" Polyvinyl Chloride (PVC) DWV Reducing Sanitary Tees.....	145.08	61.43
			<i>For Work In Restricted Working Space, Add</i>	27.69	
22 13 16 00-0572	EA		8" x 8" x 4" Polyvinyl Chloride (PVC) DWV Reducing Sanitary Tees.....	299.08	76.81
			<i>For Work In Restricted Working Space, Add</i>	34.61	
22 13 16 00-0573	EA		8" x 8" x 6" Polyvinyl Chloride (PVC) DWV Reducing Sanitary Tees.....	312.70	81.95
			<i>For Work In Restricted Working Space, Add</i>	36.92	
22 13 16 00-0574			Polyvinyl Chloride (PVC) DWV Double Sanitary Tees <small>(22 13 16 00-0530)</small>		
22 13 16 00-0575	EA		1-1/2" Polyvinyl Chloride (PVC) DWV Double Sanitary Tees.....	55.17	34.15
			<i>For Work In Restricted Working Space, Add</i>	15.38	
22 13 16 00-0576	EA		2" Polyvinyl Chloride (PVC) DWV Double Sanitary Tees.....	71.34	43.69
			<i>For Work In Restricted Working Space, Add</i>	19.69	
22 13 16 00-0577	EA		3" Polyvinyl Chloride (PVC) DWV Double Sanitary Tees.....	104.18	58.77
			<i>For Work In Restricted Working Space, Add</i>	26.46	
22 13 16 00-0578	EA		4" Polyvinyl Chloride (PVC) DWV Double Sanitary Tees.....	128.26	68.31
			<i>For Work In Restricted Working Space, Add</i>	30.77	
22 13 16 00-0579			Polyvinyl Chloride (PVC) DWV Reducing Double Sanitary Tees <small>(22 13 16 00-0530)</small>		
22 13 16 00-0580	EA		2" x 2" x 1-1/2" x 1-1/2" Polyvinyl Chloride (PVC) DWV Double Sanitary Tee	63.61	38.98
			<i>For Work In Restricted Working Space, Add</i>	17.54	
22 13 16 00-0581	EA		3" x 3" x 1-1/2" x 1-1/2" Polyvinyl Chloride (PVC) DWV Double Sanitary Tee	81.85	46.46
			<i>For Work In Restricted Working Space, Add</i>	20.93	
22 13 16 00-0582	EA		3" x 3" x 2" x 2" Polyvinyl Chloride (PVC) DWV Double Sanitary Tee	91.27	51.28
			<i>For Work In Restricted Working Space, Add</i>	23.08	
22 13 16 00-0583	EA		4" x 4" x 2" x 2" Polyvinyl Chloride (PVC) DWV Double Sanitary Tee	115.67	56.00
			<i>For Work In Restricted Working Space, Add</i>	25.23	
22 13 16 00-0584	EA		4" x 4" x 3" x 3" Polyvinyl Chloride (PVC) DWV Double Sanitary Tee	127.82	63.48
			<i>For Work In Restricted Working Space, Add</i>	28.61	
22 13 16 00-0585			Polyvinyl Chloride (PVC) DWV Reducers <small>(22 13 16 00-0530)</small>		
22 13 16 00-0586	EA		2" x 1-1/2" Polyvinyl Chloride (PVC) DWV Reducers.....	30.68	19.48
			<i>For Work In Restricted Working Space, Add</i>	8.77	
22 13 16 00-0587	EA		3" x 1-1/2" Polyvinyl Chloride (PVC) DWV Reducers.....	39.48	23.18
			<i>For Work In Restricted Working Space, Add</i>	10.46	
22 13 16 00-0588	EA		3" x 2" Polyvinyl Chloride (PVC) DWV Reducers.....	42.32	25.65
			<i>For Work In Restricted Working Space, Add</i>	11.54	
22 13 16 00-0589	EA		4" x 2" Polyvinyl Chloride (PVC) DWV Reducers.....	49.69	28.00
			<i>For Work In Restricted Working Space, Add</i>	12.62	
22 13 16 00-0590	EA		4" x 3" Polyvinyl Chloride (PVC) DWV Reducers.....	55.68	31.80
			<i>For Work In Restricted Working Space, Add</i>	14.31	
22 13 16 00-0591	EA		6" x 3" Polyvinyl Chloride (PVC) DWV Reducers.....	95.75	36.92
			<i>For Work In Restricted Working Space, Add</i>	16.61	
22 13 16 00-0592	EA		6" x 4" Polyvinyl Chloride (PVC) DWV Reducers.....	91.39	39.28
			<i>For Work In Restricted Working Space, Add</i>	17.69	
22 13 16 00-0593	EA		8" x 4" Polyvinyl Chloride (PVC) DWV Reducers.....	159.48	46.98
			<i>For Work In Restricted Working Space, Add</i>	21.15	
22 13 16 00-0594	EA		8" x 6" Polyvinyl Chloride (PVC) DWV Reducers.....	151.40	52.10
			<i>For Work In Restricted Working Space, Add</i>	23.46	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0595	EA			10" x 6" Polyvinyl Chloride (PVC) DWV Reducers..... <i>For Work In Restricted Working Space, Add</i>	192.80 27.95	62.05
22 13 16 00-0596	EA			10" x 8" Polyvinyl Chloride (PVC) DWV Reducers..... <i>For Work In Restricted Working Space, Add</i>	179.44 31.41	69.75
22 13 16 00-0597				Polyvinyl Chloride (PVC) DWV P-Traps (22 13 16 00-0530)		
22 13 16 00-0598	EA			1-1/2" Polyvinyl Chloride (PVC) DWV P-Traps..... <i>For Work In Restricted Working Space, Add</i>	40.99 11.54	25.65
22 13 16 00-0599	EA			2" Polyvinyl Chloride (PVC) DWV P-Traps..... <i>For Work In Restricted Working Space, Add</i>	52.68 14.77	32.82
22 13 16 00-0600	EA			3" Polyvinyl Chloride (PVC) DWV P-Traps..... <i>For Work In Restricted Working Space, Add</i>	83.31 19.85	44.10
22 13 16 00-0601	EA			4" Polyvinyl Chloride (PVC) DWV P-Traps..... <i>For Work In Restricted Working Space, Add</i>	117.81 23.08	51.28
22 13 16 00-0602	EA			6" Polyvinyl Chloride (PVC) DWV P-Traps..... <i>For Work In Restricted Working Space, Add</i>	172.27 30.00	66.56
22 13 16 00-0603				Polyvinyl Chloride (PVC) DWV Closet Flanges (22 13 16 00-0530)		
22 13 16 00-0604	EA			4" Polyvinyl Chloride (PVC) DWV Closet Flanges..... <i>For Work In Restricted Working Space, Add</i>	56.13 15.38	34.15
22 13 16 00-0605	EA			4" x 3" Polyvinyl Chloride (PVC) DWV Closet Flanges..... <i>For Work In Restricted Working Space, Add</i>	51.08 14.31	31.80
22 13 16 00-0606				Polyvinyl Chloride (PVC) DWV Wyes (22 13 16 00-0530)		
22 13 16 00-0607	EA			1-1/2" Polyvinyl Chloride (PVC) DWV Wyes..... <i>For Work In Restricted Working Space, Add</i>	41.05 11.54	25.65
22 13 16 00-0608	EA			2" Polyvinyl Chloride (PVC) DWV Wyes..... <i>For Work In Restricted Working Space, Add</i>	51.83 14.77	32.82
22 13 16 00-0609	EA			3" Polyvinyl Chloride (PVC) DWV Wyes..... <i>For Work In Restricted Working Space, Add</i>	72.03 19.85	44.10
22 13 16 00-0610	EA			4" Polyvinyl Chloride (PVC) DWV Wyes..... <i>For Work In Restricted Working Space, Add</i>	87.88 23.08	51.28
22 13 16 00-0611	EA			6" Polyvinyl Chloride (PVC) DWV Wyes..... <i>For Work In Restricted Working Space, Add</i>	148.68 30.00	66.56
22 13 16 00-0612	EA			8" Polyvinyl Chloride (PVC) DWV Wyes..... <i>For Work In Restricted Working Space, Add</i>	193.96 40.38	89.64
22 13 16 00-0613	EA			10" Polyvinyl Chloride (PVC) DWV Wyes..... <i>For Work In Restricted Working Space, Add</i>	257.36 53.84	119.49
22 13 16 00-0614				Polyvinyl Chloride (PVC) DWV Reducing Wyes (22 13 16 00-0530)		
22 13 16 00-0615	EA			2" x 1-1/2" x 1-1/2" Polyvinyl Chloride (PVC) DWV Reducing Wyes..... <i>For Work In Restricted Working Space, Add</i>	46.66 12.62	28.00
22 13 16 00-0616	EA			2" x 2" x 1-1/2" Polyvinyl Chloride (PVC) DWV Reducing Wyes..... <i>For Work In Restricted Working Space, Add</i>	50.21 13.69	30.36
22 13 16 00-0617	EA			3" x 3" x 1-1/2" Polyvinyl Chloride (PVC) DWV Reducing Wyes..... <i>For Work In Restricted Working Space, Add</i>	64.10 17.08	37.95
22 13 16 00-0618	EA			3" x 3" x 2" Polyvinyl Chloride (PVC) DWV Reducing Wyes..... <i>For Work In Restricted Working Space, Add</i>	65.05 18.15	40.30
22 13 16 00-0619	EA			4" x 4" x 1-1/2" Polyvinyl Chloride (PVC) DWV Reducing Wyes..... <i>For Work In Restricted Working Space, Add</i>	75.51 19.23	42.66
22 13 16 00-0620	EA			4" x 4" x 2" Polyvinyl Chloride (PVC) DWV Reducing Wyes..... <i>For Work In Restricted Working Space, Add</i>	76.49 20.31	45.13
22 13 16 00-0621	EA			4" x 4" x 3" Polyvinyl Chloride (PVC) DWV Reducing Wyes..... <i>For Work In Restricted Working Space, Add</i>	83.61 22.00	48.82
22 13 16 00-0622	EA			6" x 6" x 3" Polyvinyl Chloride (PVC) DWV Reducing Wyes..... <i>For Work In Restricted Working Space, Add</i>	132.88 26.62	59.07
22 13 16 00-0623	EA			6" x 6" x 4" Polyvinyl Chloride (PVC) DWV Reducing Wyes..... <i>For Work In Restricted Working Space, Add</i>	148.78 27.69	61.43
22 13 16 00-0624	EA			8" x 8" x 4" Polyvinyl Chloride (PVC) DWV Reducing Wyes..... <i>For Work In Restricted Working Space, Add</i>	166.25 34.61	76.81
22 13 16 00-0625	EA			8" x 8" x 6" Polyvinyl Chloride (PVC) DWV Reducing Wyes..... <i>For Work In Restricted Working Space, Add</i>	189.64 36.92	81.95
22 13 16 00-0626	EA			10" x 10" x 4" Polyvinyl Chloride (PVC) DWV Reducing Wyes..... <i>For Work In Restricted Working Space, Add</i>	202.60 43.59	96.72
22 13 16 00-0627	EA			10" x 10" x 6" Polyvinyl Chloride (PVC) DWV Reducing Wyes..... <i>For Work In Restricted Working Space, Add</i>	227.34 45.90	101.85
22 13 16 00-0628	EA			10" x 10" x 8" Polyvinyl Chloride (PVC) DWV Reducing Wyes..... <i>For Work In Restricted Working Space, Add</i>	252.48 49.36	109.54
22 13 16 00-0629				Polyvinyl Chloride (PVC) DWV Double Wyes (22 13 16 00-0530)		
22 13 16 00-0630	EA			1-1/2" Polyvinyl Chloride (PVC) DWV Double Wyes..... <i>For Work In Restricted Working Space, Add</i>	56.78 15.38	34.15
22 13 16 00-0631	EA			2" Polyvinyl Chloride (PVC) DWV Double Wyes..... <i>For Work In Restricted Working Space, Add</i>	72.71 19.69	43.69
22 13 16 00-0632	EA			3" Polyvinyl Chloride (PVC) DWV Double Wyes..... <i>For Work In Restricted Working Space, Add</i>	106.48 26.46	58.77
22 13 16 00-0633	EA			4" Polyvinyl Chloride (PVC) DWV Double Wyes..... <i>For Work In Restricted Working Space, Add</i>	139.61 30.77	68.31



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0634	EA		6" Polyvinyl Chloride (PVC) DWV Double Wyes..... <i>For Work In Restricted Working Space, Add</i>	217.25 40.00	88.82
22 13 16 00-0635	EA		8" Polyvinyl Chloride (PVC) DWV Double Wyes..... <i>For Work In Restricted Working Space, Add</i>	274.20 53.85	119.59
22 13 16 00-0636	EA		10" Polyvinyl Chloride (PVC) DWV Double Wyes..... <i>For Work In Restricted Working Space, Add</i>	390.21 71.79	159.38
22 13 16 00-0637			Polyvinyl Chloride (PVC) DWV Reducing Double Wyes (22 13 16 00-0530)		
22 13 16 00-0638	EA		2" x 2" x 1-1/2" x 1-1/2 Polyvinyl Chloride (PVC) DWV Double Wyes..... <i>For Work In Restricted Working Space, Add</i>	64.92 17.54	38.98
22 13 16 00-0639	EA		3" x 3" x 1-1/2" x 1-1/2 Polyvinyl Chloride (PVC) DWV Double Wyes..... <i>For Work In Restricted Working Space, Add</i>	85.79 20.93	46.46
22 13 16 00-0640	EA		3" x 3" x 2" x 2" Polyvinyl Chloride (PVC) DWV Double Wyes..... <i>For Work In Restricted Working Space, Add</i>	90.54 23.08	51.28
22 13 16 00-0641	EA		4" x 4" x 2" x 2" Polyvinyl Chloride (PVC) DWV Double Wyes..... <i>For Work In Restricted Working Space, Add</i>	106.31 25.23	56.00
22 13 16 00-0642	EA		4" x 4" x 3" x 3" Polyvinyl Chloride (PVC) DWV Double Wyes..... <i>For Work In Restricted Working Space, Add</i>	124.72 28.61	63.48
22 13 16 00-0643	EA		6" x 6" x 4" x 4" Polyvinyl Chloride (PVC) DWV Double Wyes..... <i>For Work In Restricted Working Space, Add</i>	166.14 35.39	78.56
22 13 16 00-0644	EA		8" x 8" x 4" x 4" Polyvinyl Chloride (PVC) DWV Double Wyes..... <i>For Work In Restricted Working Space, Add</i>	197.13 42.31	93.95
22 13 16 00-0645	EA		8" x 8" x 6" x 6" Polyvinyl Chloride (PVC) DWV Double Wyes..... <i>For Work In Restricted Working Space, Add</i>	230.17 46.92	104.20
22 13 16 00-0646	EA		10" x 10" x 4" x 4" Polyvinyl Chloride (PVC) DWV Double Wyes..... <i>For Work In Restricted Working Space, Add</i>	248.29 51.28	113.84
22 13 16 00-0647	EA		10" x 10" x 6" x 6" Polyvinyl Chloride (PVC) DWV Double Wyes..... <i>For Work In Restricted Working Space, Add</i>	290.39 55.89	124.10
22 13 16 00-0648	EA		10" x 10" x 8" x 8" Polyvinyl Chloride (PVC) DWV Double Wyes..... <i>For Work In Restricted Working Space, Add</i>	336.88 62.82	139.48
22 13 16 00-0649			Polyvinyl Chloride (PVC) DWV Combination Wye And 1/8 Bends (22 13 16 00-0530)		
22 13 16 00-0650	EA		1-1/2" Polyvinyl Chloride (PVC) DWV Combination Wye And 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	42.66 11.54	25.65
22 13 16 00-0651	EA		2" Polyvinyl Chloride (PVC) DWV Combination Wye And 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	54.34 14.77	32.82
22 13 16 00-0652	EA		3" Polyvinyl Chloride (PVC) DWV Combination Wye And 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	79.59 19.85	44.10
22 13 16 00-0653	EA		4" Polyvinyl Chloride (PVC) DWV Combination Wye And 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	104.84 23.08	51.28
22 13 16 00-0654			Polyvinyl Chloride (PVC) DWV Reducing Combination Wye And 1/8 Bends (22 13 16 00-0530)		
22 13 16 00-0655	EA		2" x 2" x 1-1/2" Polyvinyl Chloride (PVC) DWV Combination Wye And 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	56.23 13.69	30.36
22 13 16 00-0656	EA		3" x 3" x 1-1/2" Polyvinyl Chloride (PVC) DWV Combination Wye And 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	75.32 17.08	37.95
22 13 16 00-0657	EA		3" x 3" x 2" Polyvinyl Chloride (PVC) DWV Combination Wye And 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	72.01 18.15	40.30
22 13 16 00-0658	EA		4" x 4" x 2" Polyvinyl Chloride (PVC) DWV Combination Wye And 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	93.27 20.31	45.13
22 13 16 00-0659	EA		4" x 4" x 3" Polyvinyl Chloride (PVC) DWV Combination Wye And 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	101.05 22.00	48.82
22 13 16 00-0660			Polyvinyl Chloride (PVC) DWV Double Combination Wye And 1/8 Bends (22 13 16 00-0530)		
22 13 16 00-0661	EA		1-1/2" Polyvinyl Chloride (PVC) DWV Double Combination Wye And 1/8 Bends..... <i>For Work In Restricted Working Space, Add</i>	58.03 15.38	34.15
22 13 16 00-0662	EA		2" Polyvinyl Chloride (PVC) DWV Double Combination Wye And 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	72.85 19.69	43.69
22 13 16 00-0663	EA		3" Polyvinyl Chloride (PVC) DWV Double Combination Wye And 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	100.74 26.46	58.77
22 13 16 00-0664	EA		4" Polyvinyl Chloride (PVC) DWV Double Combination Wye And 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	168.61 30.77	68.31
22 13 16 00-0665	EA		6" Polyvinyl Chloride (PVC) DWV Double Combination Wye And 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	373.11 40.00	88.82
22 13 16 00-0666			Polyvinyl Chloride (PVC) DWV Reducing Double Combination Wye And 1/8 Bends (22 13 16 00-0530)		
22 13 16 00-0667	EA		2" x 2" x 1-1/2" x 1-1/2 Polyvinyl Chloride (PVC) DWV Double Combination Wye And 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	80.56 17.54	38.98
22 13 16 00-0668	EA		3" x 3" x 2" x 2" Polyvinyl Chloride (PVC) DWV Double Combination Wye And 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	114.37 23.08	51.28
22 13 16 00-0669	EA		4" x 4" x 2" x 2" Polyvinyl Chloride (PVC) DWV Double Combination Wye And 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	153.89 25.23	56.00
22 13 16 00-0670	EA		4" x 4" x 3" x 3" Polyvinyl Chloride (PVC) DWV Double Combination Wye And 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	156.45 28.61	63.48



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22 13 16 00-0671	EA			6" x 6" x 4" x 4" Polyvinyl Chloride (PVC) DWV Double Combination Wye And 1/8 Bends..... <i>For Work In Restricted Working Space, Add</i>	274.60 35.39	78.56
22 13 16 00-0672				Polyvinyl Chloride (PVC) DWV Cleanout Tees With Plug <small>(22 13 16 00-0530)</small>		
22 13 16 00-0673	EA			2" Polyvinyl Chloride (PVC) DWV Cleanout Tees With Plug <i>For Work In Restricted Working Space, Add</i>	61.53 14.77	32.82
22 13 16 00-0674	EA			3" Polyvinyl Chloride (PVC) DWV Cleanout Tees With Plug <i>For Work In Restricted Working Space, Add</i>	89.65 19.85	44.10
22 13 16 00-0675	EA			4" Polyvinyl Chloride (PVC) DWV Cleanout Tees With Plug <i>For Work In Restricted Working Space, Add</i>	117.81 23.08	51.28
22 13 16 00-0676	EA			6" Polyvinyl Chloride (PVC) DWV Cleanout Tees With Plug <i>For Work In Restricted Working Space, Add</i>	218.79 30.00	66.56
22 13 16 00-0677	EA			8" Polyvinyl Chloride (PVC) DWV Cleanout Tees With Plug <i>For Work In Restricted Working Space, Add</i>	282.51 40.38	89.64
22 13 16 00-0678	EA			10" Polyvinyl Chloride (PVC) DWV Cleanout Tees With Plug <i>For Work In Restricted Working Space, Add</i>	375.66 53.84	119.49
22 13 16 00-0679				Polyvinyl Chloride (PVC) DWV Cleanout Adapters With Plug <small>(22 13 16 00-0530)</small>		
22 13 16 00-0680	EA			1-1/2" Polyvinyl Chloride (PVC) DWV Cleanout Adapters With Plug <i>For Work In Restricted Working Space, Add</i>	27.78 7.70	17.13
22 13 16 00-0681	EA			2" Polyvinyl Chloride (PVC) DWV Cleanout Adapters With Plug <i>For Work In Restricted Working Space, Add</i>	36.25 9.85	21.85
22 13 16 00-0682	EA			3" Polyvinyl Chloride (PVC) DWV Cleanout Adapters With Plug <i>For Work In Restricted Working Space, Add</i>	49.38 13.23	29.33
22 13 16 00-0683	EA			4" Polyvinyl Chloride (PVC) DWV Cleanout Adapters With Plug <i>For Work In Restricted Working Space, Add</i>	63.69 15.38	34.15
22 13 16 00-0684	EA			6" Polyvinyl Chloride (PVC) DWV Cleanout Adapters With Plug <i>For Work In Restricted Working Space, Add</i>	100.73 20.00	44.41
22 13 16 00-0685	EA			8" Polyvinyl Chloride (PVC) DWV Cleanout Adapters With Plug <i>For Work In Restricted Working Space, Add</i>	172.81 26.92	59.80
22 13 16 00-0686	EA			10" Polyvinyl Chloride (PVC) DWV Cleanout Adapters With Plug <i>For Work In Restricted Working Space, Add</i>	277.61 35.88	79.69
22 13 16 00-0687				Polyvinyl Chloride (PVC) Couplings <small>(22 13 16 00-0530)</small>		
22 13 16 00-0688	EA			1-1/2" Polyvinyl Chloride (PVC) Couplings <i>For Work In Restricted Working Space, Add</i>	26.28 7.70	17.13
22 13 16 00-0689	EA			2" Polyvinyl Chloride (PVC) Couplings <i>For Work In Restricted Working Space, Add</i>	33.53 9.85	21.85
22 13 16 00-0690	EA			3" Polyvinyl Chloride (PVC) Couplings <i>For Work In Restricted Working Space, Add</i>	45.91 13.23	29.33
22 13 16 00-0691	EA			4" Polyvinyl Chloride (PVC) Couplings <i>For Work In Restricted Working Space, Add</i>	54.26 15.38	34.15
22 13 16 00-0692	EA			6" Polyvinyl Chloride (PVC) Couplings <i>For Work In Restricted Working Space, Add</i>	83.09 20.00	44.41
22 13 16 00-0693	EA			8" Polyvinyl Chloride (PVC) Couplings <i>For Work In Restricted Working Space, Add</i>	137.20 26.92	59.80
22 13 16 00-0694	EA			10" Polyvinyl Chloride (PVC) Couplings <i>For Work In Restricted Working Space, Add</i>	193.21 35.90	79.69
22 13 16 00-0695				Polyvinyl Chloride (PVC) Male Adapters <small>(22 13 16 00-0530)</small>		
22 13 16 00-0696	EA			1-1/2" Polyvinyl Chloride (PVC) Male Adapters <i>For Work In Restricted Working Space, Add</i>	13.46 3.85	8.51
22 13 16 00-0697	EA			2" Polyvinyl Chloride (PVC) Male Adapters <i>For Work In Restricted Working Space, Add</i>	17.98 4.92	10.98
22 13 16 00-0698	EA			3" Polyvinyl Chloride (PVC) Male Adapters <i>For Work In Restricted Working Space, Add</i>	26.40 6.62	14.67
22 13 16 00-0699	EA			4" Polyvinyl Chloride (PVC) Male Adapters <i>For Work In Restricted Working Space, Add</i>	35.62 7.70	17.13
22 13 16 00-0700				Cut And Prepare Existing Polyvinyl Chloride (PVC) DWV Pipe <small>(22 13 16 00-0504)</small>		
				Note: In place piping.		
22 13 16 00-0701	EA			1-1/2", Cut And Prepare Existing Polyvinyl Chloride (PVC) DWV Pipe.....	7.52	
22 13 16 00-0702	EA			2", Cut And Prepare Existing Polyvinyl Chloride (PVC) DWV Pipe.....	8.27	
22 13 16 00-0703	EA			3", Cut And Prepare Existing Polyvinyl Chloride (PVC) DWV Pipe.....	10.53	
22 13 16 00-0704	EA			4", Cut And Prepare Existing Polyvinyl Chloride (PVC) DWV Pipe.....	14.21	
22 13 16 00-0705	EA			6", Cut And Prepare Existing Polyvinyl Chloride (PVC) DWV Pipe.....	20.30	
22 13 16 00-0706	EA			8", Cut And Prepare Existing Polyvinyl Chloride (PVC) DWV Pipe.....	27.08	
22 13 16 00-0707	EA			10", Cut And Prepare Existing Polyvinyl Chloride (PVC) DWV Pipe.....	33.10	
22 13 16 00-0708				Acrylonitrile Butadiene Styrene (ABS) Drain-Waste-Vent (DWV) Pipe And Fittings <small>(22 13 16)</small>		
				Note: Aboveground installation.		
22 13 16 00-0709				Schedule 40 Acrylonitrile Butadiene Styrene (ABS) DWV Pipe Assemblies <small>(22 13 16 00-0708)</small>		
				Note: Includes all hangers and couplings, elbow, tee and reducer fittings. All hangers are complete assemblies installed in accordance with uniform plumbing code. Not for use where detail is available.		

22	Plumbing
22 10	Plumbing Piping
22 13	Facility Sanitary Sewerage



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0710	LF		1-1/2" Schedule 40 Acrylonitrile Butadiene Styrene (ABS) DWV Pipe Assembly Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i>	20.92 5.90	4.30
22 13 16 00-0711	LF		2" Schedule 40 Acrylonitrile Butadiene Styrene (ABS) DWV Pipe Assembly Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i>	23.17 6.53	5.13
22 13 16 00-0712	LF		3" Schedule 40 Acrylonitrile Butadiene Styrene (ABS) DWV Pipe Assembly Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i>	29.59 8.12	7.39
22 13 16 00-0713	LF		4" Schedule 40 Acrylonitrile Butadiene Styrene (ABS) DWV Pipe Assembly Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i>	33.24 9.02	8.00
22 13 16 00-0714	LF		6" Schedule 40 Acrylonitrile Butadiene Styrene (ABS) DWV Pipe Assembly Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i>	47.66 11.99	10.25
22 13 16 00-0715			Schedule 40 Acrylonitrile Butadiene Styrene (ABS) DWV "Foam-Core" Pipe (ASTM F-628) <small>(22 13 16 00-0708)</small> Note: Excludes fittings or hangers.		
22 13 16 00-0716	LF		1-1/2" Schedule 40 Acrylonitrile Butadiene Styrene (ABS) DWV "Foam-Core" Pipe <i>For Work In Restricted Working Space, Add</i>	6.86 1.92	4.30
22 13 16 00-0717	LF		2" Schedule 40 Acrylonitrile Butadiene Styrene (ABS) DWV "Foam-Core" Pipe <i>For Work In Restricted Working Space, Add</i>	8.29 2.30	5.13
22 13 16 00-0718	LF		3" Schedule 40 Acrylonitrile Butadiene Styrene (ABS) DWV "Foam-Core" Pipe <i>For Work In Restricted Working Space, Add</i>	12.29 3.31	7.39
22 13 16 00-0719	LF		4" Schedule 40 Acrylonitrile Butadiene Styrene (ABS) DWV "Foam-Core" Pipe <i>For Work In Restricted Working Space, Add</i>	13.76 3.59	8.00
22 13 16 00-0720	LF		6" Schedule 40 Acrylonitrile Butadiene Styrene (ABS) DWV "Foam-Core" Pipe <i>For Work In Restricted Working Space, Add</i>	17.73 4.22	9.40
22 13 16 00-0721			Acrylonitrile Butadiene Styrene (ABS) DWV Fittings (ASTM D-2661) <small>(22 13 16 00-0708)</small>		
22 13 16 00-0722			Acrylonitrile Butadiene Styrene (ABS) DWV 1/4 Bends <small>(22 13 16 00-0721)</small>		
22 13 16 00-0723	EA		1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV 1/4 Bends..... <i>For Work In Restricted Working Space, Add</i>	27.57 7.70	17.13
22 13 16 00-0724	EA		2" Acrylonitrile Butadiene Styrene (ABS) DWV 1/4 Bends..... <i>For Work In Restricted Working Space, Add</i>	35.56 9.85	21.85
22 13 16 00-0725	EA		3" Acrylonitrile Butadiene Styrene (ABS) DWV 1/4 Bends..... <i>For Work In Restricted Working Space, Add</i>	52.57 13.23	29.33
22 13 16 00-0726	EA		4" Acrylonitrile Butadiene Styrene (ABS) DWV 1/4 Bends..... <i>For Work In Restricted Working Space, Add</i>	67.87 15.38	34.15
22 13 16 00-0727	EA		6" Acrylonitrile Butadiene Styrene (ABS) DWV 1/4 Bends..... <i>For Work In Restricted Working Space, Add</i>	128.57 20.00	44.41
22 13 16 00-0728			Acrylonitrile Butadiene Styrene (ABS) DWV Long Sweep 1/4 Bends <small>(22 13 16 00-0721)</small>		
22 13 16 00-0729	EA		1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Long Sweep 1/4 Bends..... <i>For Work In Restricted Working Space, Add</i>	30.23 7.70	17.13
22 13 16 00-0730	EA		2" Acrylonitrile Butadiene Styrene (ABS) DWV Long Sweep 1/4 Bends..... <i>For Work In Restricted Working Space, Add</i>	38.16 9.85	21.85
22 13 16 00-0731	EA		3" Acrylonitrile Butadiene Styrene (ABS) DWV Long Sweep 1/4 Bends..... <i>For Work In Restricted Working Space, Add</i>	59.02 13.23	29.33
22 13 16 00-0732	EA		4" Acrylonitrile Butadiene Styrene (ABS) DWV Long Sweep 1/4 Bends..... <i>For Work In Restricted Working Space, Add</i>	80.71 15.38	34.15
22 13 16 00-0733			Acrylonitrile Butadiene Styrene (ABS) DWV 1/8 Bends <small>(22 13 16 00-0721)</small>		
22 13 16 00-0734	EA		1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV 1/8 Bends..... <i>For Work In Restricted Working Space, Add</i>	27.93 7.70	17.13
22 13 16 00-0735	EA		2" Acrylonitrile Butadiene Styrene (ABS) DWV 1/8 Bends..... <i>For Work In Restricted Working Space, Add</i>	35.31 9.85	21.85
22 13 16 00-0736	EA		3" Acrylonitrile Butadiene Styrene (ABS) DWV 1/8 Bends..... <i>For Work In Restricted Working Space, Add</i>	51.24 13.23	29.33
22 13 16 00-0737	EA		4" Acrylonitrile Butadiene Styrene (ABS) DWV 1/8 Bends..... <i>For Work In Restricted Working Space, Add</i>	65.42 15.38	34.15
22 13 16 00-0738	EA		6" Acrylonitrile Butadiene Styrene (ABS) DWV 1/8 Bends..... <i>For Work In Restricted Working Space, Add</i>	131.14 20.00	44.41
22 13 16 00-0739			Acrylonitrile Butadiene Styrene (ABS) DWV Sanitary Tees <small>(22 13 16 00-0721)</small>		
22 13 16 00-0740	EA		1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Sanitary Tees..... <i>For Work In Restricted Working Space, Add</i>	41.74 11.54	25.65
22 13 16 00-0741	EA		2" Acrylonitrile Butadiene Styrene (ABS) DWV Sanitary Tees..... <i>For Work In Restricted Working Space, Add</i>	54.15 14.77	32.82



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0742	EA			3" Acrylonitrile Butadiene Styrene (ABS) DWV Sanitary Tees..... <i>For Work In Restricted Working Space, Add</i>	78.69 19.85	44.10
22 13 16 00-0743	EA			4" Acrylonitrile Butadiene Styrene (ABS) DWV Sanitary Tees..... <i>For Work In Restricted Working Space, Add</i>	101.03 23.08	51.28
22 13 16 00-0744	EA			6" Acrylonitrile Butadiene Styrene (ABS) DWV Sanitary Tees..... <i>For Work In Restricted Working Space, Add</i>	230.64 30.00	66.56
22 13 16 00-0745				Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Sanitary Tees <small>(22 13 16 00-0721)</small>		
22 13 16 00-0746	EA			2" x 1-1/2" x 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Sanitary Tees <i>For Work In Restricted Working Space, Add</i>	47.27 12.62	28.00
22 13 16 00-0747	EA			2" x 1-1/2" x 2" Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Sanitary Tees <i>For Work In Restricted Working Space, Add</i>	52.97 13.69	30.36
22 13 16 00-0748	EA			2" x 2" x 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Sanitary Tees <i>For Work In Restricted Working Space, Add</i>	50.36 13.69	30.36
22 13 16 00-0749	EA			3" x 3" x 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Sanitary Tees <i>For Work In Restricted Working Space, Add</i>	66.50 17.08	37.95
22 13 16 00-0750	EA			3" x 3" x 2" Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Sanitary Tees..... <i>For Work In Restricted Working Space, Add</i>	70.18 18.15	40.30
22 13 16 00-0751	EA			4" x 4" x 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Sanitary Tees <i>For Work In Restricted Working Space, Add</i>	98.84 19.23	42.66
22 13 16 00-0752	EA			4" x 4" x 2" Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Sanitary Tees..... <i>For Work In Restricted Working Space, Add</i>	100.12 20.31	45.13
22 13 16 00-0753	EA			4" x 4" x 3" Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Sanitary Tees..... <i>For Work In Restricted Working Space, Add</i>	111.36 22.00	48.82
22 13 16 00-0754	EA			6" x 6" x 4" Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Sanitary Tees..... <i>For Work In Restricted Working Space, Add</i>	238.37 27.69	61.43
22 13 16 00-0755				Acrylonitrile Butadiene Styrene (ABS) DWV Double Sanitary Tees <small>(22 13 16 00-0721)</small>		
22 13 16 00-0756	EA			1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Double Sanitary Tees <i>For Work In Restricted Working Space, Add</i>	61.23 15.38	34.15
22 13 16 00-0757	EA			2" Acrylonitrile Butadiene Styrene (ABS) DWV Double Sanitary Tees <i>For Work In Restricted Working Space, Add</i>	80.16 19.69	43.69
22 13 16 00-0758	EA			3" Acrylonitrile Butadiene Styrene (ABS) DWV Double Sanitary Tees <i>For Work In Restricted Working Space, Add</i>	128.98 26.46	58.77
22 13 16 00-0759	EA			4" Acrylonitrile Butadiene Styrene (ABS) DWV Double Sanitary Tees <i>For Work In Restricted Working Space, Add</i>	167.91 30.77	68.31
22 13 16 00-0760				Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Double Sanitary Tees <small>(22 13 16 00-0721)</small>		
22 13 16 00-0761	EA			2" x 2" x 1-1/2" x 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Double Sanitary Tees <i>For Work In Restricted Working Space, Add</i>	69.74 17.54	38.98
22 13 16 00-0762	EA			3" x 3" x 1-1/2" x 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Double Sanitary Tees <i>For Work In Restricted Working Space, Add</i>	90.53 20.93	46.46
22 13 16 00-0763	EA			3" x 3" x 2" x 2" Acrylonitrile Butadiene Styrene (ABS) DWV Double Sanitary Tees <i>For Work In Restricted Working Space, Add</i>	101.52 23.08	51.28
22 13 16 00-0764	EA			4" x 4" x 2" x 2" Acrylonitrile Butadiene Styrene (ABS) DWV Double Wyes <i>For Work In Restricted Working Space, Add</i>	131.23 23.12	51.32
22 13 16 00-0765	EA			4" x 4" x 3" x 3" Acrylonitrile Butadiene Styrene (ABS) DWV Double Sanitary Tees <i>For Work In Restricted Working Space, Add</i>	143.05 26.22	58.17
22 13 16 00-0766				Acrylonitrile Butadiene Styrene (ABS) DWV Wyes <small>(22 13 16 00-0721)</small>		
22 13 16 00-0767	EA			1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Wyes..... <i>For Work In Restricted Working Space, Add</i>	45.05 11.54	25.65
22 13 16 00-0768	EA			2" Acrylonitrile Butadiene Styrene (ABS) DWV Wyes..... <i>For Work In Restricted Working Space, Add</i>	56.00 14.77	32.82
22 13 16 00-0769	EA			3" Acrylonitrile Butadiene Styrene (ABS) DWV Wyes..... <i>For Work In Restricted Working Space, Add</i>	81.13 19.85	44.10
22 13 16 00-0770	EA			4" Acrylonitrile Butadiene Styrene (ABS) DWV Wyes..... <i>For Work In Restricted Working Space, Add</i>	104.85 23.08	51.28
22 13 16 00-0771	EA			6" Acrylonitrile Butadiene Styrene (ABS) DWV Wyes..... <i>For Work In Restricted Working Space, Add</i>	202.43 30.00	66.56
22 13 16 00-0772				Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Wyes <small>(22 13 16 00-0721)</small>		
22 13 16 00-0773	EA			2" x 1-1/2" x 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Wyes <i>For Work In Restricted Working Space, Add</i>	53.81 12.62	28.00
22 13 16 00-0774	EA			2" x 2" x 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Wyes <i>For Work In Restricted Working Space, Add</i>	57.28 13.69	30.36
22 13 16 00-0775	EA			3" x 3" x 2" Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Wyes..... <i>For Work In Restricted Working Space, Add</i>	72.15 18.15	40.30
22 13 16 00-0776	EA			4" x 4" x 2" Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Wyes..... <i>For Work In Restricted Working Space, Add</i>	90.12 20.31	45.13
22 13 16 00-0777	EA			4" x 4" x 3" Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Wyes..... <i>For Work In Restricted Working Space, Add</i>	99.54 22.00	48.82
22 13 16 00-0778	EA			6" x 6" x 4" Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Wyes..... <i>For Work In Restricted Working Space, Add</i>	176.94 27.69	61.43



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0779 Acrylonitrile Butadiene Styrene (ABS) DWV Double Wyes <small>(22 13 16 00-0721)</small>		
22 13 16 00-0780 EA 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Double Wyes <i>For Work In Restricted Working Space, Add</i>	65.30 15.38	34.15
22 13 16 00-0781 EA 2" Acrylonitrile Butadiene Styrene (ABS) DWV Double Wyes..... <i>For Work In Restricted Working Space, Add</i>	83.68 19.69	43.69
22 13 16 00-0782 EA 3" Acrylonitrile Butadiene Styrene (ABS) DWV Double Wyes..... <i>For Work In Restricted Working Space, Add</i>	134.83 26.46	58.77
22 13 16 00-0783 EA 4" Acrylonitrile Butadiene Styrene (ABS) DWV Double Wyes..... <i>For Work In Restricted Working Space, Add</i>	197.03 30.77	68.31
22 13 16 00-0784 Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Double Wyes <small>(22 13 16 00-0721)</small>		
22 13 16 00-0785 EA 2" x 2" x 1-1/2" x 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Double Wyes..... <i>For Work In Restricted Working Space, Add</i>	74.94 17.54	38.98
22 13 16 00-0786 EA 3" x 3" x 1-1/2" x 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Double Wyes <i>For Work In Restricted Working Space, Add</i>	102.64 20.93	46.46
22 13 16 00-0787 EA 3" x 3" x 2" x 2" Acrylonitrile Butadiene Styrene (ABS) DWV Double Wyes..... <i>For Work In Restricted Working Space, Add</i>	111.55 23.08	51.28
22 13 16 00-0788 EA 4" x 4" x 2" x 2" Acrylonitrile Butadiene Styrene (ABS) DWV Double Wyes..... <i>For Work In Restricted Working Space, Add</i>	140.74 25.23	56.00
22 13 16 00-0789 EA 4" x 4" x 3" x 3" Acrylonitrile Butadiene Styrene (ABS) DWV Double Wyes..... <i>For Work In Restricted Working Space, Add</i>	170.19 28.61	63.48
22 13 16 00-0790 Acrylonitrile Butadiene Styrene (ABS) DWV Combination Wye And 1/8 Bend <small>(22 13 16 00-0721)</small>		
22 13 16 00-0791 EA 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Combination Wye And 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	48.99 11.54	25.65
22 13 16 00-0792 EA 2" Acrylonitrile Butadiene Styrene (ABS) DWV Combination Wye And 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	62.92 14.77	32.82
22 13 16 00-0793 EA 3" Acrylonitrile Butadiene Styrene (ABS) DWV Combination Wye And 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	88.70 19.85	44.10
22 13 16 00-0794 EA 4" Acrylonitrile Butadiene Styrene (ABS) DWV Combination Wye And 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	114.76 21.15	46.99
22 13 16 00-0795 Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Combination Wye And 1/8 Bend <small>(22 13 16 00-0721)</small>		
22 13 16 00-0796 EA 2" x 2" x 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Combination Wye And 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	56.72 13.69	30.36
22 13 16 00-0797 EA 3" x 3" x 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Combination Wye And 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	83.17 17.08	37.95
22 13 16 00-0798 EA 3" x 3" x 2" Acrylonitrile Butadiene Styrene (ABS) DWV Combination Wye And 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	76.91 18.15	40.30
22 13 16 00-0799 EA 4" x 4" x 2" Acrylonitrile Butadiene Styrene (ABS) DWV Combination Wye And 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	104.23 20.31	45.13
22 13 16 00-0800 EA 4" x 4" x 3" Acrylonitrile Butadiene Styrene (ABS) DWV Combination Wye And 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	112.90 22.00	48.82
22 13 16 00-0801 Acrylonitrile Butadiene Styrene (ABS) DWV Double Combination Wye And 1/8 Bend <small>(22 13 16 00-0721)</small>		
22 13 16 00-0802 EA 2" Acrylonitrile Butadiene Styrene (ABS) DWV Double Combination Wye And 1/8 Bends..... <i>For Work In Restricted Working Space, Add</i>	90.42 19.69	43.69
22 13 16 00-0803 EA 3" Acrylonitrile Butadiene Styrene (ABS) DWV Double Combination Wye And 1/8 Bends..... <i>For Work In Restricted Working Space, Add</i>	145.35 26.46	58.77
22 13 16 00-0804 Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Double Combination Wye And 1/8 Bend <small>(22 13 16 00-0721)</small>		
22 13 16 00-0805 EA 2" x 2" x 1-1/2" x 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Double Combination Wye And 1/8 Bends..... <i>For Work In Restricted Working Space, Add</i>	78.40 17.54	38.98
22 13 16 00-0806 EA 3" x 3" x 2" x 2" Acrylonitrile Butadiene Styrene (ABS) DWV Double Combination Wye And 1/8 Bends..... <i>For Work In Restricted Working Space, Add</i>	133.11 23.08	51.28
22 13 16 00-0807 Acrylonitrile Butadiene Styrene (ABS) DWV Cleanout Tees With Plug <small>(22 13 16 00-0721)</small>		
22 13 16 00-0808 EA 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Cleanout Tees With Plug <i>For Work In Restricted Working Space, Add</i>	50.85 11.54	25.65
22 13 16 00-0809 EA 2" Acrylonitrile Butadiene Styrene (ABS) DWV Cleanout Tees With Plug <i>For Work In Restricted Working Space, Add</i>	64.77 14.77	32.82
22 13 16 00-0810 EA 3" Acrylonitrile Butadiene Styrene (ABS) DWV Cleanout Tees With Plug <i>For Work In Restricted Working Space, Add</i>	92.85 19.85	44.10
22 13 16 00-0811 EA 4" Acrylonitrile Butadiene Styrene (ABS) DWV Cleanout Tees With Plug <i>For Work In Restricted Working Space, Add</i>	126.84 23.08	51.28
22 13 16 00-0812 Acrylonitrile Butadiene Styrene (ABS) DWV Cleanout Adapters With Plug <small>(22 13 16 00-0721)</small>		



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0813	EA		1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Cleanout Adapters With Plug..... <i>For Work In Restricted Working Space, Add</i>	29.90 7.70	17.13
22 13 16 00-0814	EA		2" Acrylonitrile Butadiene Styrene (ABS) DWV Cleanout Adapters With Plug..... <i>For Work In Restricted Working Space, Add</i>	39.67 9.85	21.85
22 13 16 00-0815	EA		3" Acrylonitrile Butadiene Styrene (ABS) DWV Cleanout Adapters With Plug..... <i>For Work In Restricted Working Space, Add</i>	54.63 13.23	29.33
22 13 16 00-0816	EA		4" Acrylonitrile Butadiene Styrene (ABS) DWV Cleanout Adapters With Plug..... <i>For Work In Restricted Working Space, Add</i>	76.08 15.38	34.15
22 13 16 00-0817	EA		6" Acrylonitrile Butadiene Styrene (ABS) DWV Cleanout Adapters With Plug..... <i>For Work In Restricted Working Space, Add</i>	134.74 20.00	44.41
22 13 16 00-0818			Acrylonitrile Butadiene Styrene (ABS) DWV Couplings (22 13 16 00-0721)		
22 13 16 00-0819	EA		1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Couplings..... <i>For Work In Restricted Working Space, Add</i>	27.11 7.70	17.13
22 13 16 00-0820	EA		2" Acrylonitrile Butadiene Styrene (ABS) DWV Couplings..... <i>For Work In Restricted Working Space, Add</i>	34.36 9.85	21.85
22 13 16 00-0821	EA		3" Acrylonitrile Butadiene Styrene (ABS) DWV Couplings..... <i>For Work In Restricted Working Space, Add</i>	48.30 13.23	29.33
22 13 16 00-0822	EA		4" Acrylonitrile Butadiene Styrene (ABS) DWV Couplings..... <i>For Work In Restricted Working Space, Add</i>	58.20 15.38	34.15
22 13 16 00-0823	EA		6" Acrylonitrile Butadiene Styrene (ABS) DWV Couplings..... <i>For Work In Restricted Working Space, Add</i>	100.87 20.00	44.41
22 13 16 00-0824			Acrylonitrile Butadiene Styrene (ABS) DWV Reducers (22 13 16 00-0721)		
22 13 16 00-0825	EA		2" x 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Reducers <i>For Work In Restricted Working Space, Add</i>	32.94 8.77	19.48
22 13 16 00-0826	EA		3" x 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Reducers <i>For Work In Restricted Working Space, Add</i>	46.63 10.46	23.18
22 13 16 00-0827	EA		3" x 2" Acrylonitrile Butadiene Styrene (ABS) DWV Reducers <i>For Work In Restricted Working Space, Add</i>	48.32 11.54	25.65
22 13 16 00-0828	EA		4" x 2" Acrylonitrile Butadiene Styrene (ABS) DWV Reducers <i>For Work In Restricted Working Space, Add</i>	61.51 12.62	28.00
22 13 16 00-0829	EA		4" x 3" Acrylonitrile Butadiene Styrene (ABS) DWV Reducers <i>For Work In Restricted Working Space, Add</i>	68.05 14.31	31.80
22 13 16 00-0830			Acrylonitrile Butadiene Styrene (ABS) DWV P-Traps (22 13 16 00-0721)		
22 13 16 00-0831	EA		1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV P-Traps..... <i>For Work In Restricted Working Space, Add</i>	45.65 11.54	25.65
22 13 16 00-0832	EA		2" Acrylonitrile Butadiene Styrene (ABS) DWV P-Traps..... <i>For Work In Restricted Working Space, Add</i>	60.87 14.77	32.82
22 13 16 00-0833	EA		3" Acrylonitrile Butadiene Styrene (ABS) DWV P-Traps..... <i>For Work In Restricted Working Space, Add</i>	119.49 19.85	44.10
22 13 16 00-0834	EA		4" Acrylonitrile Butadiene Styrene (ABS) DWV P-Traps..... <i>For Work In Restricted Working Space, Add</i>	186.20 23.08	51.28
22 13 16 00-0835			Acrylonitrile Butadiene Styrene (ABS) DWV Closet Flanges (22 13 16 00-0721)		
22 13 16 00-0836	EA		4" Acrylonitrile Butadiene Styrene (ABS) DWV Closet Flanges..... <i>For Work In Restricted Working Space, Add</i>	61.32 15.38	34.15
22 13 16 00-0837	EA		4" x 3" Acrylonitrile Butadiene Styrene (ABS) DWV Closet Flanges..... <i>For Work In Restricted Working Space, Add</i>	57.11 14.31	31.80
22 13 16 00-0838			Acrylonitrile Butadiene Styrene (ABS) DWV Male Adapters (22 13 16 00-0721)		
22 13 16 00-0839	EA		1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Male Adapters <i>For Work In Restricted Working Space, Add</i>	14.69 3.85	8.51
22 13 16 00-0840	EA		2" Acrylonitrile Butadiene Styrene (ABS) DWV Male Adapters..... <i>For Work In Restricted Working Space, Add</i>	19.72 4.92	10.98
22 13 16 00-0841	EA		3" Acrylonitrile Butadiene Styrene (ABS) DWV Male Adapters..... <i>For Work In Restricted Working Space, Add</i>	31.70 6.62	14.67
22 13 16 00-0842	EA		4" Acrylonitrile Butadiene Styrene (ABS) DWV Male Adapters..... <i>For Work In Restricted Working Space, Add</i>	46.99 7.70	17.13
22 13 16 00-0843			Acrylonitrile Butadiene Styrene (ABS) DWV Flush Bushings (22 13 16 00-0721)		
22 13 16 00-0844	EA		2" x 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Flush Bushing..... <i>For Work In Restricted Working Space, Add</i>	30.77 8.77	19.48
22 13 16 00-0845	EA		3" x 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Flush Bushing..... <i>For Work In Restricted Working Space, Add</i>	43.20 10.46	23.18
22 13 16 00-0846	EA		3" x 2" Acrylonitrile Butadiene Styrene (ABS) DWV Flush Bushing..... <i>For Work In Restricted Working Space, Add</i>	43.75 11.54	25.65
22 13 16 00-0847	EA		4" x 2" Acrylonitrile Butadiene Styrene (ABS) DWV Flush Bushing..... <i>For Work In Restricted Working Space, Add</i>	61.24 12.62	28.00
22 13 16 00-0848	EA		4" x 3" Acrylonitrile Butadiene Styrene (ABS) DWV Flush Bushing..... <i>For Work In Restricted Working Space, Add</i>	58.81 14.31	31.80
22 13 16 00-0849	EA		6" x 4" Acrylonitrile Butadiene Styrene (ABS) DWV Flush Bushing..... <i>For Work In Restricted Working Space, Add</i>	97.64 16.21	35.99



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0850 Acrylonitrile Butadiene Styrene (ABS) To Polyvinyl Chloride (PVC) Flexible Couplings <small>(22 13 16 00-0721)</small>		
22 13 16 00-0851 EA 1-1/2" x 1-1/2" Acrylonitrile Butadiene Styrene (ABS) To Polyvinyl Chloride (PVC) Flexible Coupling .....36.07	36.07	17.13
<i>For Work In Restricted Working Space, Add</i>	7.70	
22 13 16 00-0852 EA 2" x 2" Acrylonitrile Butadiene Styrene (ABS) To Polyvinyl Chloride (PVC) Flexible Coupling .....43.94	43.94	21.85
<i>For Work In Restricted Working Space, Add</i>	9.85	
22 13 16 00-0853 EA 3" x 3" Acrylonitrile Butadiene Styrene (ABS) To Polyvinyl Chloride (PVC) Flexible Coupling .....55.91	55.91	29.33
<i>For Work In Restricted Working Space, Add</i>	13.23	
22 13 16 00-0854 EA 4" x 4" Acrylonitrile Butadiene Styrene (ABS) To Polyvinyl Chloride (PVC) Flexible Coupling .....63.79	63.79	34.15
<i>For Work In Restricted Working Space, Add</i>	15.38	
22 13 16 00-0855 Cut And Prepare Existing Acrylonitrile Butadiene Styrene (ABS) DWV Pipe <small>(22 13 16 00-0708)</small>		
Note: In place piping.		
22 13 16 00-0856 EA 1-1/2", Cut And Prepare Existing Acrylonitrile Butadiene Styrene (ABS) DWV Pipe .....7.52	7.52	
22 13 16 00-0857 EA 2", Cut And Prepare Existing Acrylonitrile Butadiene Styrene (ABS) DWV Pipe.....8.27	8.27	
22 13 16 00-0858 EA 3", Cut And Prepare Existing Acrylonitrile Butadiene Styrene (ABS) DWV Pipe.....10.53	10.53	
22 13 16 00-0859 EA 4", Cut And Prepare Existing Acrylonitrile Butadiene Styrene (ABS) DWV Pipe.....14.21	14.21	
22 13 16 00-0860 EA 6", Cut And Prepare Existing Acrylonitrile Butadiene Styrene (ABS) DWV Pipe.....20.30	20.30	
22 13 16 00-0861 Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Couplings <small>(22 13 16)</small>		
22 13 16 00-0862 Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Couplings <small>(22 13 16 00-0861)</small>		
Note: For cast iron or plastic to cast iron or plastic pipe (Cast Iron/Plastic To Cast Iron/Plastic). Includes stainless steel clamps. Fernco 1056.		
22 13 16 00-0863 EA 1-1/4" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Coupling .....12.25	12.25	4.46
<i>For Work In Restricted Working Space, Add</i>	2.67	
22 13 16 00-0864 EA 1-1/2" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Coupling .....12.54	12.54	4.73
<i>For Work In Restricted Working Space, Add</i>	2.84	
22 13 16 00-0865 EA 2" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Coupling .....13.20	13.20	5.01
<i>For Work In Restricted Working Space, Add</i>	3.01	
22 13 16 00-0866 EA 3" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Coupling .....14.86	14.86	5.30
<i>For Work In Restricted Working Space, Add</i>	3.17	
22 13 16 00-0867 EA 4" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Coupling .....16.50	16.50	5.57
<i>For Work In Restricted Working Space, Add</i>	3.34	
22 13 16 00-0868 EA 5" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Coupling .....20.10	20.10	5.85
<i>For Work In Restricted Working Space, Add</i>	3.51	
22 13 16 00-0869 EA 6" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Coupling .....23.73	23.73	6.13
<i>For Work In Restricted Working Space, Add</i>	3.68	
22 13 16 00-0870 EA 8" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Coupling .....31.02	31.02	6.68
<i>For Work In Restricted Working Space, Add</i>	4.01	
22 13 16 00-0871 EA 10" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Coupling .....40.12	40.12	7.80
<i>For Work In Restricted Working Space, Add</i>	4.68	
22 13 16 00-0872 Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Reducing Pipe Couplings <small>(22 13 16 00-0861)</small>		
Note: For cast iron or plastic to cast iron or plastic pipe (Cast Iron/Plastic To Cast Iron/Plastic). Includes stainless steel clamps. Fernco 1056.		
22 13 16 00-0873 EA 1-1/2" x 1-1/4" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Reducing Pipe Coupling .....13.05	13.05	4.73
<i>For Work In Restricted Working Space, Add</i>	2.84	
22 13 16 00-0874 EA 2" x 1-1/2" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Reducing Pipe Coupling .....13.38	13.38	5.01
<i>For Work In Restricted Working Space, Add</i>	3.01	
22 13 16 00-0875 EA 3" x 1-1/2" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Reducing Pipe Coupling .....16.84	16.84	5.30
<i>For Work In Restricted Working Space, Add</i>	3.17	
22 13 16 00-0876 EA 3" x 2" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Reducing Pipe Coupling .....15.38	15.38	5.30
<i>For Work In Restricted Working Space, Add</i>	3.17	
22 13 16 00-0877 EA 4" x 1-1/2" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Reducing Pipe Coupling .....20.27	20.27	5.57
<i>For Work In Restricted Working Space, Add</i>	3.34	
22 13 16 00-0878 EA 4" x 2" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Reducing Pipe Coupling .....19.52	19.52	5.57
<i>For Work In Restricted Working Space, Add</i>	3.34	
22 13 16 00-0879 EA 4" x 3" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Reducing Pipe Coupling .....18.13	18.13	5.57
<i>For Work In Restricted Working Space, Add</i>	3.34	
22 13 16 00-0880 EA 5" x 3" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Reducing Pipe Coupling .....25.14	25.14	5.85
<i>For Work In Restricted Working Space, Add</i>	3.51	
22 13 16 00-0881 EA 5" x 4" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Reducing Pipe Coupling .....23.02	23.02	5.85
<i>For Work In Restricted Working Space, Add</i>	3.51	
22 13 16 00-0882 EA 6" x 3" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Reducing Pipe Coupling .....30.54	30.54	6.13
<i>For Work In Restricted Working Space, Add</i>	3.68	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0883	EA		6" x 4" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Reducing Pipe Coupling 27.36	27.36	6.13
			<i>For Work In Restricted Working Space, Add</i>	3.68	
22 13 16 00-0884	EA		6" x 5" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Reducing Pipe Coupling 28.25	28.25	6.13
			<i>For Work In Restricted Working Space, Add</i>	3.68	
22 13 16 00-0885	EA		8" x 4" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Reducing Pipe Coupling 54.99	54.99	11.14
			<i>For Work In Restricted Working Space, Add</i>	6.69	
22 13 16 00-0886	EA		8" x 6" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Reducing Pipe Coupling 46.18	46.18	11.14
			<i>For Work In Restricted Working Space, Add</i>	6.69	
22 13 16 00-0887	EA		10" x 8" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Reducing Pipe Coupling 57.60	57.60	12.53
			<i>For Work In Restricted Working Space, Add</i>	7.52	
22 13 16 00-0888			Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Caps <small>(22 13 16)</small>		
			Note: For cast iron, steel, copper or plastic pipe. Includes stainless steel clamp. Fernco QC.		
22 13 16 00-0889	EA		1-1/2" Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Cap 48.35	48.35	30.09
22 13 16 00-0890	EA		2" Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Cap 51.79	51.79	31.98
22 13 16 00-0891	EA		3" Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Cap 59.86	59.86	36.66
22 13 16 00-0892	EA		4" Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Cap 79.03	79.03	48.47
22 13 16 00-0893	EA		5" Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Cap 94.67	94.67	57.95
22 13 16 00-0894	EA		6" Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Cap 109.39	109.39	66.86
22 13 16 00-0895	EA		8" Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Cap 145.43	145.43	84.69
22 13 16 00-0896			Cast Iron Vent Stack Flashing Sleeves With Caulking Recess <small>(22 13 16)</small>		
			Note: Josam 26450 Series.		
22 13 16 00-0897	EA		1-1/2" Cast Iron Vent Stack Flashing Sleeves With Caulking Recess 66.47	66.47	23.08
22 13 16 00-0898	EA		2" Cast Iron Vent Stack Flashing Sleeves With Caulking Recess 71.60	71.60	25.65
22 13 16 00-0899	EA		3" Cast Iron Vent Stack Flashing Sleeves With Caulking Recess 101.51	101.51	33.34
22 13 16 00-0900	EA		4" Cast Iron Vent Stack Flashing Sleeves With Caulking Recess 118.30	118.30	38.46
22 13 16 00-0901	EA		5" Cast Iron Vent Stack Flashing Sleeves With Caulking Recess 136.53	136.53	43.59
22 13 16 00-0902	EA		6" Cast Iron Vent Stack Flashing Sleeves With Caulking Recess 201.94	201.94	48.72
22 13 16 00-0903			Cast Iron Vent Stack Flashing Sleeves With Counterflashing Recess <small>(22 13 16)</small>		
			Note: Josam 26440 Series		
22 13 16 00-0904	EA		1-1/2" Cast Iron Vent Stack Flashing Sleeves With Counterflashing Recess 109.29	109.29	23.08
22 13 16 00-0905	EA		2" Cast Iron Vent Stack Flashing Sleeves With Counterflashing Recess 114.42	114.42	25.65
22 13 16 00-0906	EA		3" Cast Iron Vent Stack Flashing Sleeves With Counterflashing Recess 139.25	139.25	33.34
22 13 16 00-0907	EA		4" Cast Iron Vent Stack Flashing Sleeves With Counterflashing Recess 170.55	170.55	38.46
22 13 16 00-0908	EA		5" Cast Iron Vent Stack Flashing Sleeves With Counterflashing Recess 222.90	222.90	43.59
22 13 16 00-0909	EA		6" Cast Iron Vent Stack Flashing Sleeves With Counterflashing Recess 233.15	233.15	48.72
22 13 16 00-0910			Cast Iron Vandal Proof Hooded Vent Cap <small>(22 13 16)</small>		
			Note: Includes counterflashing collar, deep protective hood and recessed securing screws. Josam 26700 Series.		
22 13 16 00-0911	EA		1-1/2" Cast Iron Vandal Proof Hooded Vent Cap 185.49	185.49	23.08
22 13 16 00-0912	EA		2" Cast Iron Vandal Proof Hooded Vent Cap 190.62	190.62	25.65
22 13 16 00-0913	EA		3" Cast Iron Vandal Proof Hooded Vent Cap 223.42	223.42	33.34
22 13 16 00-0914	EA		4" Cast Iron Vandal Proof Hooded Vent Cap 252.56	252.56	38.46
22 13 16 00-0915	EA		5" Cast Iron Vandal Proof Hooded Vent Cap 293.30	293.30	43.59
22 13 16 00-0916	EA		6" Cast Iron Vandal Proof Hooded Vent Cap 321.69	321.69	48.72
22 13 19			Sanitary Waste Piping Specialties <small>(22 13)</small>		
22 13 19 13			Sanitary Drains <small>(22 13 19)</small>		
22 13 19 13-0001			Round Top Floor Drains <small>(22 13 19 13)</small>		
22 13 19 13-0002	EA		6" Round Top Floor Drain With 1-1/2" Outlet, Bronze Top 328.97	328.97	110.25
			<i>For Galvanized Cast Iron Parts, Add</i>	40.00	
			<i>For Sediment Bucket, Add</i>	22.50	
			<i>For Vandal Proof Screws, Add</i>	11.00	
22 13 19 13-0003	EA		6" Round Top Floor Drain With 2" Outlet, Bronze Top 365.34	365.34	123.59
			<i>For Galvanized Cast Iron Parts, Add</i>	40.00	
			<i>For Sediment Bucket, Add</i>	22.50	
			<i>For Vandal Proof Screws, Add</i>	11.00	
22 13 19 13-0004	EA		6" Round Top Floor Drain With 3" Outlet, Bronze Top 382.00	382.00	136.72
			<i>For Galvanized Cast Iron Parts, Add</i>	40.00	
			<i>For Sediment Bucket, Add</i>	22.50	
			<i>For Vandal Proof Screws, Add</i>	11.00	
22 13 19 13-0005	EA		6" Round Top Floor Drain With 4" Outlet, Bronze Top 410.15	410.15	150.86
			<i>For Galvanized Cast Iron Parts, Add</i>	40.00	
			<i>For Sediment Bucket, Add</i>	22.50	
			<i>For Vandal Proof Screws, Add</i>	11.00	

22	Plumbing
22 10	Plumbing Piping
22 13	Facility Sanitary Sewerage



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 19 13-0006	EA		9" Round Top Floor Drain With 2" Outlet, Cast Iron Top.....	350.64	123.59
			<i>For Galvanized Cast Iron Parts, Add</i>	87.50	
			<i>For Vandal Proof Screws, Add</i>	30.50	
			<i>For Ductile Iron Grate, Add</i>	48.00	
			<i>For Cast Iron Dome Grate, Add</i>	17.00	
			<i>For Nikaloy Dome Grate, Add</i>	178.50	
			<i>For Bronze Dome Grate, Add</i>	143.00	
			<i>For Cast Iron Extension Collar, Each 3" (76 mm), Add</i>	57.50	
			<i>For Galvanized Extension Collar, Each 3", Add</i>	117.50	
22 13 19 13-0007	EA		9" Round Top Floor Drain With 3" Outlet, Cast Iron Top.....	377.00	136.72
			<i>For Galvanized Cast Iron Parts, Add</i>	87.50	
			<i>For Vandal Proof Screws, Add</i>	30.50	
			<i>For Ductile Iron Grate, Add</i>	48.00	
			<i>For Cast Iron Dome Grate, Add</i>	17.00	
			<i>For Nikaloy Dome Grate, Add</i>	178.50	
			<i>For Bronze Dome Grate, Add</i>	143.00	
			<i>For Cast Iron Extension Collar, Each 3" (76 mm), Add</i>	57.50	
			<i>For Galvanized Extension Collar, Each 3", Add</i>	117.50	
22 13 19 13-0008	EA		9" Round Top Floor Drain With 4" Outlet, Cast Iron Top.....	405.15	150.86
			<i>For Galvanized Cast Iron Parts, Add</i>	87.50	
			<i>For Vandal Proof Screws, Add</i>	30.50	
			<i>For Ductile Iron Grate, Add</i>	48.00	
			<i>For Cast Iron Dome Grate, Add</i>	17.00	
			<i>For Nikaloy Dome Grate, Add</i>	178.50	
			<i>For Bronze Dome Grate, Add</i>	143.00	
			<i>For Cast Iron Extension Collar, Each 3" (76 mm), Add</i>	57.50	
			<i>For Galvanized Extension Collar, Each 3", Add</i>	117.50	
22 13 19 13-0009	EA		9" Round Top Floor Drain With 2" Outlet, Nikaloy Top.....	453.64	123.59
			<i>For Galvanized Cast Iron Parts, Add</i>	87.50	
			<i>For Vandal Proof Screws, Add</i>	30.50	
			<i>For Ductile Iron Grate, Add</i>	48.00	
			<i>For Cast Iron Dome Grate, Add</i>	17.00	
			<i>For Nikaloy Dome Grate, Add</i>	178.50	
			<i>For Bronze Dome Grate, Add</i>	143.00	
			<i>For Cast Iron Extension Collar, Each 3" (76 mm), Add</i>	57.50	
			<i>For Galvanized Extension Collar, Each 3", Add</i>	117.50	
22 13 19 13-0010	EA		9" Round Top Floor Drain With 3" Outlet, Nikaloy Top.....	480.00	136.72
			<i>For Galvanized Cast Iron Parts, Add</i>	87.50	
			<i>For Vandal Proof Screws, Add</i>	30.50	
			<i>For Ductile Iron Grate, Add</i>	48.00	
			<i>For Cast Iron Dome Grate, Add</i>	17.00	
			<i>For Nikaloy Dome Grate, Add</i>	178.50	
			<i>For Bronze Dome Grate, Add</i>	143.00	
			<i>For Cast Iron Extension Collar, Each 3" (76 mm), Add</i>	57.50	
			<i>For Galvanized Extension Collar, Each 3", Add</i>	117.50	
22 13 19 13-0011	EA		9" Round Top Floor Drain With 4" Outlet, Nikaloy Top.....	508.15	150.86
			<i>For Galvanized Cast Iron Parts, Add</i>	87.50	
			<i>For Vandal Proof Screws, Add</i>	30.50	
			<i>For Ductile Iron Grate, Add</i>	48.00	
			<i>For Cast Iron Dome Grate, Add</i>	17.00	
			<i>For Nikaloy Dome Grate, Add</i>	178.50	
			<i>For Bronze Dome Grate, Add</i>	143.00	
			<i>For Cast Iron Extension Collar, Each 3" (76 mm), Add</i>	57.50	
			<i>For Galvanized Extension Collar, Each 3", Add</i>	117.50	
22 13 19 13-0012	EA		9" Round Top Floor Drain With 2" Outlet, Bronze Top.....	438.64	123.59
			<i>For Galvanized Cast Iron Parts, Add</i>	87.50	
			<i>For Vandal Proof Screws, Add</i>	30.50	
			<i>For Ductile Iron Grate, Add</i>	48.00	
			<i>For Cast Iron Dome Grate, Add</i>	17.00	
			<i>For Nikaloy Dome Grate, Add</i>	178.50	
			<i>For Bronze Dome Grate, Add</i>	143.00	
			<i>For Cast Iron Extension Collar, Each 3" (76 mm), Add</i>	57.50	
			<i>For Galvanized Extension Collar, Each 3", Add</i>	117.50	
22 13 19 13-0013	EA		9" Round Top Floor Drain With 3" Outlet, Bronze Top.....	464.85	136.72
			<i>For Galvanized Cast Iron Parts, Add</i>	87.50	
			<i>For Vandal Proof Screws, Add</i>	30.50	
			<i>For Ductile Iron Grate, Add</i>	48.00	
			<i>For Cast Iron Dome Grate, Add</i>	17.00	
			<i>For Nikaloy Dome Grate, Add</i>	178.50	
			<i>For Bronze Dome Grate, Add</i>	143.00	
			<i>For Cast Iron Extension Collar, Each 3" (76 mm), Add</i>	57.50	
			<i>For Galvanized Extension Collar, Each 3", Add</i>	117.50	
22 13 19 13-0014	EA		9" Round Top Floor Drain With 4" Outlet, Bronze Top.....	493.15	150.86
			<i>For Galvanized Cast Iron Parts, Add</i>	87.50	
			<i>For Vandal Proof Screws, Add</i>	30.50	
			<i>For Ductile Iron Grate, Add</i>	48.00	
			<i>For Cast Iron Dome Grate, Add</i>	17.00	
			<i>For Nikaloy Dome Grate, Add</i>	178.50	
			<i>For Bronze Dome Grate, Add</i>	143.00	
			<i>For Cast Iron Extension Collar, Each 3" (76 mm), Add</i>	57.50	
			<i>For Galvanized Extension Collar, Each 3", Add</i>	117.50	



	Plumbing	22
	Plumbing Piping	22 10
	Facility Sanitary Sewerage	22 13

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 19 13-0015 EA 12-5/8" Round Top Floor Drain With 2" Outlet, Cast Iron Top	462.52	123.48
For Chained Grate, Add	48.50	
For Primer Tap, Add	33.50	
For Vandal Proof Screws, Add	30.50	
For Ductile Iron Grate, Add	53.00	
For Cast Iron Dome Grate, Add	28.00	
For Nikaloy Dome Grate, Add	255.00	
For Bronze Dome Grate, Add	218.50	
For Cast Iron Extension Collar, Each 2", Add	51.00	
For Galvanized Extension Collar, Each 2", Add	102.50	
For Galvanized Cast Iron Parts, Add	132.00	
22 13 19 13-0016 EA 12-5/8" Round Top Floor Drain With 3" Outlet, Cast Iron Top	488.85	136.72
For Chained Grate, Add	48.50	
For Primer Tap, Add	33.50	
For Vandal Proof Screws, Add	30.50	
For Ductile Iron Grate, Add	53.00	
For Cast Iron Dome Grate, Add	28.00	
For Nikaloy Dome Grate, Add	255.00	
For Bronze Dome Grate, Add	218.50	
For Cast Iron Extension Collar, Each 2", Add	51.00	
For Galvanized Extension Collar, Each 2", Add	102.50	
For Galvanized Cast Iron Parts, Add	132.00	
22 13 19 13-0017 EA 12-5/8" Round Top Floor Drain With 4" Outlet, Cast Iron Top	517.15	150.86
For Chained Grate, Add	48.50	
For Primer Tap, Add	33.50	
For Vandal Proof Screws, Add	30.50	
For Ductile Iron Grate, Add	53.00	
For Cast Iron Dome Grate, Add	28.00	
For Nikaloy Dome Grate, Add	255.00	
For Bronze Dome Grate, Add	218.50	
For Cast Iron Extension Collar, Each 2", Add	51.00	
For Galvanized Extension Collar, Each 2", Add	102.50	
For Galvanized Cast Iron Parts, Add	132.00	
22 13 19 13-0018 EA 12-5/8" Round Top Floor Drain With 2" Outlet, Nikaloy Top	616.52	123.48
For Chained Grate, Add	48.50	
For Primer Tap, Add	33.50	
For Vandal Proof Screws, Add	30.50	
For Ductile Iron Grate, Add	53.00	
For Cast Iron Dome Grate, Add	28.00	
For Nikaloy Dome Grate, Add	255.00	
For Bronze Dome Grate, Add	218.50	
For Cast Iron Extension Collar, Each 2", Add	51.00	
For Galvanized Extension Collar, Each 2", Add	102.50	
For Galvanized Cast Iron Parts, Add	132.00	
22 13 19 13-0019 EA 12-5/8" Round Top Floor Drain With 3" Outlet, Nikaloy Top	642.85	136.72
For Chained Grate, Add	48.50	
For Primer Tap, Add	33.50	
For Vandal Proof Screws, Add	30.50	
For Ductile Iron Grate, Add	53.00	
For Cast Iron Dome Grate, Add	28.00	
For Nikaloy Dome Grate, Add	255.00	
For Bronze Dome Grate, Add	218.50	
For Cast Iron Extension Collar, Each 2", Add	51.00	
For Galvanized Extension Collar, Each 2", Add	102.50	
For Galvanized Cast Iron Parts, Add	132.00	
22 13 19 13-0020 EA 12-5/8" Round Top Floor Drain With 4" Outlet, Nikaloy Top	671.15	150.86
For Chained Grate, Add	48.50	
For Primer Tap, Add	33.50	
For Vandal Proof Screws, Add	30.50	
For Ductile Iron Grate, Add	53.00	
For Cast Iron Dome Grate, Add	28.00	
For Nikaloy Dome Grate, Add	255.00	
For Bronze Dome Grate, Add	218.50	
For Cast Iron Extension Collar, Each 2", Add	51.00	
For Galvanized Extension Collar, Each 2", Add	102.50	
For Galvanized Cast Iron Parts, Add	132.00	
22 13 19 13-0021 EA 12-5/8" Round Top Floor Drain With 2" Outlet, Bronze Top	596.02	123.48
For Chained Grate, Add	48.50	
For Primer Tap, Add	33.50	
For Vandal Proof Screws, Add	30.50	
For Ductile Iron Grate, Add	53.00	
For Cast Iron Dome Grate, Add	28.00	
For Nikaloy Dome Grate, Add	255.00	
For Bronze Dome Grate, Add	218.50	
For Cast Iron Extension Collar, Each 2", Add	51.00	
For Galvanized Extension Collar, Each 2", Add	102.50	
For Galvanized Cast Iron Parts, Add	132.00	

22	Plumbing
22 10	Plumbing Piping
22 13	Facility Sanitary Sewerage



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 19 13-0022	EA		12-5/8" Round Top Floor Drain With 3" Outlet, Bronze Top.....	622.35	136.72
			<i>For Chained Grate, Add</i>	48.50	
			<i>For Primer Tap, Add</i>	33.50	
			<i>For Vandal Proof Screws, Add</i>	30.50	
			<i>For Ductile Iron Grate, Add</i>	53.00	
			<i>For Cast Iron Dome Grate, Add</i>	28.00	
			<i>For Nikaloy Dome Grate, Add</i>	255.00	
			<i>For Bronze Dome Grate, Add</i>	218.50	
			<i>For Cast Iron Extension Collar, Each 2", Add</i>	51.00	
			<i>For Galvanized Extension Collar, Each 2", Add</i>	102.50	
			<i>For Galvanized Cast Iron Parts, Add</i>	132.00	
22 13 19 13-0023	EA		12-5/8" Round Top Floor Drain With 4" Outlet, Bronze Top.....	650.65	150.86
			<i>For Chained Grate, Add</i>	48.50	
			<i>For Primer Tap, Add</i>	33.50	
			<i>For Vandal Proof Screws, Add</i>	30.50	
			<i>For Ductile Iron Grate, Add</i>	53.00	
			<i>For Cast Iron Dome Grate, Add</i>	28.00	
			<i>For Nikaloy Dome Grate, Add</i>	255.00	
			<i>For Bronze Dome Grate, Add</i>	218.50	
			<i>For Cast Iron Extension Collar, Each 2", Add</i>	51.00	
			<i>For Galvanized Extension Collar, Each 2", Add</i>	102.50	
			<i>For Galvanized Cast Iron Parts, Add</i>	132.00	
22 13 19 13-0024			Square Or Rectangular Top Drains <small>(22 13 19 13)</small>		
22 13 19 13-0025	EA		5" x 5" Floor Drain With 2" Bottom Outlet, Nikaloy Top.....	379.02	123.48
			<i>For Galvanized Cast Iron Parts, Add</i>	40.00	
			<i>For Sediment Bucket, Add</i>	22.50	
			<i>For Vandal Proof Screws, Add</i>	11.00	
22 13 19 13-0026	EA		5" x 5" Floor Drain With 3" Bottom Outlet, Nikaloy Top.....	405.64	136.82
			<i>For Galvanized Cast Iron Parts, Add</i>	40.00	
			<i>For Sediment Bucket, Add</i>	22.50	
			<i>For Vandal Proof Screws, Add</i>	11.00	
22 13 19 13-0027	EA		5" x 5" Floor Drain With 4" Bottom Outlet, Nikaloy Top.....	433.65	150.86
			<i>For Galvanized Cast Iron Parts, Add</i>	40.00	
			<i>For Sediment Bucket, Add</i>	22.50	
			<i>For Vandal Proof Screws, Add</i>	11.00	
22 13 19 13-0028	EA		6" x 6" Floor Drain With 2" Bottom Outlet, Nikaloy Top.....	394.02	123.48
			<i>For Galvanized Cast Iron Parts, Add</i>	40.00	
			<i>For Sediment Bucket, Add</i>	22.50	
			<i>For Vandal Proof Screws, Add</i>	11.00	
22 13 19 13-0029	EA		6" x 6" Floor Drain With 3" Bottom Outlet, Nikaloy Top.....	420.64	136.82
			<i>For Galvanized Cast Iron Parts, Add</i>	40.00	
			<i>For Sediment Bucket, Add</i>	22.50	
			<i>For Vandal Proof Screws, Add</i>	11.00	
22 13 19 13-0030	EA		6" x 6" Floor Drain With 4" Bottom Outlet, Nikaloy Top.....	448.65	150.86
			<i>For Galvanized Cast Iron Parts, Add</i>	40.00	
			<i>For Sediment Bucket, Add</i>	22.50	
			<i>For Vandal Proof Screws, Add</i>	11.00	
22 13 19 13-0031	EA		8" x 8" Floor Drain With 2" Bottom Outlet, Nikaloy Top.....	460.02	123.48
			<i>For Galvanized Cast Iron Parts, Add</i>	40.00	
			<i>For Sediment Bucket, Add</i>	22.50	
			<i>For Vandal Proof Screws, Add</i>	11.00	
22 13 19 13-0032	EA		8" x 8" Floor Drain With 3" Bottom Outlet, Nikaloy Top.....	486.64	136.82
			<i>For Galvanized Cast Iron Parts, Add</i>	40.00	
			<i>For Sediment Bucket, Add</i>	22.50	
			<i>For Vandal Proof Screws, Add</i>	11.00	
22 13 19 13-0033	EA		8" x 8" Floor Drain With 4" Bottom Outlet, Nikaloy Top.....	514.65	150.86
			<i>For Galvanized Cast Iron Parts, Add</i>	40.00	
			<i>For Sediment Bucket, Add</i>	22.50	
			<i>For Vandal Proof Screws, Add</i>	11.00	
22 13 19 13-0034	EA		5" x 5" Floor Drain With 2" Bottom Outlet, Bronze Top.....	368.02	123.48
			<i>For Galvanized Cast Iron Parts, Add</i>	40.00	
			<i>For Sediment Bucket, Add</i>	22.50	
			<i>For Vandal Proof Screws, Add</i>	11.00	
22 13 19 13-0035	EA		5" x 5" Floor Drain With 3" Bottom Outlet, Bronze Top.....	394.64	136.82
			<i>For Galvanized Cast Iron Parts, Add</i>	40.00	
			<i>For Sediment Bucket, Add</i>	22.50	
			<i>For Vandal Proof Screws, Add</i>	11.00	
22 13 19 13-0036	EA		5" x 5" Floor Drain With 4" Bottom Outlet, Bronze Top.....	422.65	150.86
			<i>For Galvanized Cast Iron Parts, Add</i>	40.00	
			<i>For Sediment Bucket, Add</i>	22.50	
			<i>For Vandal Proof Screws, Add</i>	11.00	
22 13 19 13-0037	EA		6" x 6" Floor Drain With 2" Bottom Outlet, Bronze Top.....	387.02	123.48
			<i>For Galvanized Cast Iron Parts, Add</i>	40.00	
			<i>For Sediment Bucket, Add</i>	22.50	
			<i>For Vandal Proof Screws, Add</i>	11.00	
22 13 19 13-0038	EA		6" x 6" Floor Drain With 3" Bottom Outlet, Bronze Top.....	413.64	136.82
			<i>For Galvanized Cast Iron Parts, Add</i>	40.00	
			<i>For Sediment Bucket, Add</i>	22.50	
			<i>For Vandal Proof Screws, Add</i>	11.00	
22 13 19 13-0039	EA		6" x 6" Floor Drain With 4" Bottom Outlet, Bronze Top.....	441.65	150.86
			<i>For Galvanized Cast Iron Parts, Add</i>	40.00	
			<i>For Sediment Bucket, Add</i>	22.50	
			<i>For Vandal Proof Screws, Add</i>	11.00	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22	13	19	13-0040	EA 8" x 8" Floor Drain With 2" Bottom Outlet, Bronze Top..... <i>For Galvanized Cast Iron Parts, Add</i> <i>For Sediment Bucket, Add</i> <i>For Vandal Proof Screws, Add</i>	440.52 40.00 22.50 11.00	123.48
22	13	19	13-0041	EA 8" x 8" Floor Drain With 3" Bottom Outlet, Bronze Top..... <i>For Galvanized Cast Iron Parts, Add</i> <i>For Sediment Bucket, Add</i> <i>For Vandal Proof Screws, Add</i>	467.14 40.00 22.50 11.00	136.82
22	13	19	13-0042	EA 8" x 8" Floor Drain With 4" Bottom Outlet, Bronze Top..... <i>For Galvanized Cast Iron Parts, Add</i> <i>For Sediment Bucket, Add</i> <i>For Vandal Proof Screws, Add</i>	495.15 40.00 22.50 11.00	150.86
22	13	19	13-0043	EA 12" x 12" Can Wash Drain With 3" Bottom Outlet, Cast Iron Top..... <i>For Chained Grate, Add</i> <i>For No-Hub Side Outlet, Add</i> <i>For Galvanized Cast Iron Parts, Add</i>	853.14 48.50 76.00 212.00	136.82
22	13	19	13-0044	EA 12" x 12" Can Wash Drain With 4" Bottom Outlet, Cast Iron Top..... <i>For Chained Grate, Add</i> <i>For No-Hub Side Outlet, Add</i> <i>For Galvanized Cast Iron Parts, Add</i>	881.15 48.50 76.00 212.00	150.86
22	13	19	13-0045	EA 12" x 12" Can Wash Drain With 3" Bottom Outlet, Nikaloy Top..... <i>For Chained Grate, Add</i> <i>For No-Hub Side Outlet, Add</i> <i>For Galvanized Cast Iron Parts, Add</i>	1,016.14 48.50 76.00 212.00	136.82
22	13	19	13-0046	EA 12" x 12" Can Wash Drain With 4" Bottom Outlet, Nikaloy Top..... <i>For Chained Grate, Add</i> <i>For No-Hub Side Outlet, Add</i> <i>For Galvanized Cast Iron Parts, Add</i>	1,044.15 48.50 76.00 212.00	150.86
22	13	19	13-0047	EA 12" x 12" Can Wash Drain With 3" Bottom Outlet, Bronze Top..... <i>For Chained Grate, Add</i> <i>For No-Hub Side Outlet, Add</i> <i>For Galvanized Cast Iron Parts, Add</i>	996.64 48.50 76.00 212.00	136.82
22	13	19	13-0048	EA 12" x 12" Can Wash Drain With 4" Bottom Outlet, Bronze Top..... <i>For Chained Grate, Add</i> <i>For No-Hub Side Outlet, Add</i> <i>For Galvanized Cast Iron Parts, Add</i>	1,024.65 48.50 76.00 212.00	150.86
22	13	19	13-0049	EA 5" x 9" Floor Drain With 2" Bottom Outlet, Nikaloy Top..... <i>For Sediment Bucket, Add</i> <i>For Vandal Proof Screws, Add</i> <i>For Rough Bronze Body, Add</i>	464.02 22.50 11.00 120.94	123.48
22	13	19	13-0050	EA 5" x 9" Floor Drain With 3" Bottom Outlet, Nikaloy Top..... <i>For Sediment Bucket, Add</i> <i>For Vandal Proof Screws, Add</i> <i>For Rough Bronze Body, Add</i>	490.64 22.50 11.00 120.94	136.82
22	13	19	13-0051	EA 5" x 9" Floor Drain With 4" Bottom Outlet, Nikaloy Top..... <i>For Sediment Bucket, Add</i> <i>For Vandal Proof Screws, Add</i> <i>For Rough Bronze Body, Add</i>	518.65 22.50 11.00 120.94	150.86
22	13	19	13-0052	EA 5" x 13" Floor Drain With 2" Bottom Outlet, Nikaloy Top..... <i>For Sediment Bucket, Add</i> <i>For Vandal Proof Screws, Add</i> <i>For Rough Bronze Body, Add</i>	541.52 22.50 11.00 120.94	123.48
22	13	19	13-0053	EA 5" x 13" Floor Drain With 3" Bottom Outlet, Nikaloy Top..... <i>For Sediment Bucket, Add</i> <i>For Vandal Proof Screws, Add</i> <i>For Rough Bronze Body, Add</i>	568.14 22.50 11.00 120.94	136.82
22	13	19	13-0054	EA 5" x 13" Floor Drain With 4" Bottom Outlet, Nikaloy Top..... <i>For Sediment Bucket, Add</i> <i>For Vandal Proof Screws, Add</i> <i>For Rough Bronze Body, Add</i>	596.15 22.50 11.00 120.94	150.86
22	13	19	13-0055	EA 5" x 16-3/4" Floor Drain With 2" Bottom Outlet, Nikaloy Top..... <i>For Sediment Bucket, Add</i> <i>For Vandal Proof Screws, Add</i> <i>For Rough Bronze Body, Add</i>	559.52 22.50 11.00 120.94	123.48
22	13	19	13-0056	EA 5" x 16-5/8" Floor Drain With 3" Bottom Outlet, Nikaloy Top..... <i>For Sediment Bucket, Add</i> <i>For Vandal Proof Screws, Add</i> <i>For Rough Bronze Body, Add</i>	586.14 22.50 11.00 120.94	136.82
22	13	19	13-0057	EA 5" x 16-3/4" Floor Drain With 4" Bottom Outlet, Nikaloy Top..... <i>For Sediment Bucket, Add</i> <i>For Vandal Proof Screws, Add</i> <i>For Rough Bronze Body, Add</i>	614.15 22.50 11.00 120.94	150.86
22	13	19	13-0058	EA 5" x 21" Floor Drain With 2" Bottom Outlet, Nikaloy Top..... <i>For Sediment Bucket, Add</i> <i>For Vandal Proof Screws, Add</i> <i>For Rough Bronze Body, Add</i>	699.02 22.50 11.00 120.94	123.48
22	13	19	13-0059	EA 5" x 21" Floor Drain With 3" Bottom Outlet, Nikaloy Top..... <i>For Sediment Bucket, Add</i> <i>For Vandal Proof Screws, Add</i> <i>For Rough Bronze Body, Add</i>	725.64 22.50 11.00 120.94	136.82
22	13	19	13-0060	EA 5" x 21" Floor Drain With 4" Bottom Outlet, Nikaloy Top..... <i>For Sediment Bucket, Add</i> <i>For Vandal Proof Screws, Add</i> <i>For Rough Bronze Body, Add</i>	753.65 22.50 11.00 120.94	150.86

22	Plumbing
22 10	Plumbing Piping
22 13	Facility Sanitary Sewerage



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 19 13-0061 EA 5" x 9" Floor Drain With 2" Bottom Outlet, Bronze Top	448.02	123.48
For Sediment Bucket, Add	22.50	
For Vandal Proof Screws, Add	11.00	
For Rough Bronze Body, Add	120.94	
22 13 19 13-0062 EA 5" x 9" Floor Drain With 3" Bottom Outlet, Bronze Top	474.64	136.82
For Sediment Bucket, Add	22.50	
For Vandal Proof Screws, Add	11.00	
For Rough Bronze Body, Add	120.94	
22 13 19 13-0063 EA 5" x 9" Floor Drain With 4" Bottom Outlet, Bronze Top	502.65	150.86
For Sediment Bucket, Add	22.50	
For Vandal Proof Screws, Add	11.00	
For Rough Bronze Body, Add	120.94	
22 13 19 13-0064 EA 5" x 13" Floor Drain With 2" Bottom Outlet, Bronze Top	514.02	123.48
For Sediment Bucket, Add	22.50	
For Vandal Proof Screws, Add	11.00	
For Rough Bronze Body, Add	120.94	
22 13 19 13-0065 EA 5" x 13" Floor Drain With 3" Bottom Outlet, Bronze Top	540.64	136.82
For Sediment Bucket, Add	22.50	
For Vandal Proof Screws, Add	11.00	
For Rough Bronze Body, Add	120.94	
22 13 19 13-0066 EA 5" x 13" Floor Drain With 4" Bottom Outlet, Bronze Top	568.65	150.86
For Sediment Bucket, Add	22.50	
For Vandal Proof Screws, Add	11.00	
For Rough Bronze Body, Add	120.94	
22 13 19 13-0067 EA 5" x 16-3/4" Floor Drain With 2" Bottom Outlet, Bronze Top	532.02	123.48
For Sediment Bucket, Add	22.50	
For Vandal Proof Screws, Add	11.00	
For Rough Bronze Body, Add	120.94	
22 13 19 13-0068 EA 5" x 16-5/8" Floor Drain With 3" Bottom Outlet, Bronze Top	558.64	136.82
For Sediment Bucket, Add	22.50	
For Vandal Proof Screws, Add	11.00	
For Rough Bronze Body, Add	120.94	
22 13 19 13-0069 EA 5" x 16-3/4" Floor Drain With 4" Bottom Outlet, Bronze Top	586.65	150.86
For Sediment Bucket, Add	22.50	
For Vandal Proof Screws, Add	11.00	
For Rough Bronze Body, Add	120.94	
22 13 19 13-0070 EA 5" x 21" Floor Drain With 2" Bottom Outlet, Bronze Top	645.52	123.48
For Sediment Bucket, Add	22.50	
For Vandal Proof Screws, Add	11.00	
For Rough Bronze Body, Add	120.94	
22 13 19 13-0071 EA 5" x 21" Floor Drain With 3" Bottom Outlet, Bronze Top	672.14	136.82
For Sediment Bucket, Add	22.50	
For Vandal Proof Screws, Add	11.00	
For Rough Bronze Body, Add	120.94	
22 13 19 13-0072 EA 5" x 21" Floor Drain With 4" Bottom Outlet, Bronze Top	700.15	150.86
For Sediment Bucket, Add	22.50	
For Vandal Proof Screws, Add	11.00	
For Rough Bronze Body, Add	120.94	
22 13 19 13-0073 Funnel Type Floor Drains <small>(22 13 19 13)</small>		
22 13 19 13-0074 EA 7" Diameter Floor Drain With 4" Round Funnel With 1-1/2" Outlet, Bronze Top	428.06	110.25
For Galvanized Cast Iron Parts, Add	40.00	
For Satin Finish Bronze Top, Deduct	-19.50	
For Vandal Proof Screws, Add	11.00	
22 13 19 13-0075 EA 7" Diameter Floor Drain With 4" Round Funnel With 2" Outlet, Bronze Top	454.52	123.48
For Galvanized Cast Iron Parts, Add	40.00	
For Satin Finish Bronze Top, Deduct	-19.50	
For Vandal Proof Screws, Add	11.00	
22 13 19 13-0076 EA 7" Diameter Floor Drain With 4" Round Funnel With 3" Outlet, Bronze Top	480.85	136.72
For Galvanized Cast Iron Parts, Add	40.00	
For Satin Finish Bronze Top, Deduct	-19.50	
For Vandal Proof Screws, Add	11.00	
22 13 19 13-0077 EA 7" Diameter Floor Drain With 4" Round Funnel With 4" Outlet, Bronze Top	509.15	150.86
For Galvanized Cast Iron Parts, Add	40.00	
For Satin Finish Bronze Top, Deduct	-19.50	
For Vandal Proof Screws, Add	11.00	
22 13 19 13-0078 EA 7" Diameter Floor Drain With 9" x 3-1/2" Oval Funnel With 2" Outlet, Nikaloy Top	567.02	123.48
For Galvanized Cast Iron Parts, Add	40.00	
For Satin Finish Bronze Top, Deduct	-19.50	
For Vandal Proof Screws, Add	11.00	
22 13 19 13-0079 EA 7" Diameter Floor Drain With 9" x 3-1/2" Oval Funnel With 3" Outlet, Nikaloy Top	593.35	136.72
For Galvanized Cast Iron Parts, Add	40.00	
For Satin Finish Bronze Top, Deduct	-19.50	
For Vandal Proof Screws, Add	11.00	
22 13 19 13-0080 EA 7" Diameter Floor Drain With 9" x 3-1/2" Oval Funnel With 4" Outlet, Nikaloy Top	621.65	150.86
For Galvanized Cast Iron Parts, Add	40.00	
For Satin Finish Bronze Top, Deduct	-19.50	
For Vandal Proof Screws, Add	11.00	
22 13 19 13-0081 EA 7" Diameter Floor Drain With 9" x 3-1/2" Oval Funnel With 2" Outlet, Bronze Top	547.52	123.48
For Galvanized Cast Iron Parts, Add	40.00	
For Satin Finish Bronze Top, Deduct	-19.50	
For Vandal Proof Screws, Add	11.00	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 19 13-0082 EA 7" Diameter Floor Drain With 9" x 3-1/2" Oval Funnel With 3" Outlet, Bronze Top.....	573.85	136.72
<i>For Galvanized Cast Iron Parts, Add</i>	40.00	
<i>For Satin Finish Bronze Top, Deduct</i>	-19.50	
<i>For Vandal Proof Screws, Add</i>	11.00	
22 13 19 13-0083 EA 7" Diameter Floor Drain With 9" x 3-1/2" Oval Funnel With 4" Outlet, Bronze Top.....	602.15	150.86
<i>For Galvanized Cast Iron Parts, Add</i>	40.00	
<i>For Satin Finish Bronze Top, Deduct</i>	-19.50	
<i>For Vandal Proof Screws, Add</i>	11.00	
22 13 19 13-0084 Floor Drain With Sediment Bucket Bottom Outlet <small>(22 13 19 13)</small>		
22 13 19 13-0085 EA 12-5/8" Round Floor Drain With Sediment Bucket, 2" Bottom Outlet, Satin Bronze Top, Without Trap.....	713.97	110.25
<i>For Primer Tap, Add</i>	33.50	
<i>For Vandal Proof Screws, Add</i>	30.50	
<i>For Galvanized Cast Iron Parts, Add</i>	247.00	
22 13 19 13-0086 EA 12-5/8" Round Floor Drain With Sediment Bucket, 3" Bottom Outlet, Satin Bronze Top, Without Trap.....	740.52	123.48
<i>For Primer Tap, Add</i>	33.50	
<i>For Vandal Proof Screws, Add</i>	30.50	
<i>For Galvanized Cast Iron Parts, Add</i>	247.00	
22 13 19 13-0087 EA 12-5/8" Round Floor Drain With Sediment Bucket, 4" Bottom Outlet, Satin Bronze Top, Without Trap.....	766.85	136.72
<i>For Primer Tap, Add</i>	33.50	
<i>For Vandal Proof Screws, Add</i>	30.50	
<i>For Galvanized Cast Iron Parts, Add</i>	247.00	
22 13 19 13-0088 EA 12-5/8" Round Floor Drain With Sediment Bucket, 5" Bottom Outlet, Satin Bronze Top, Without Trap.....	795.15	150.86
<i>For Primer Tap, Add</i>	33.50	
<i>For Vandal Proof Screws, Add</i>	30.50	
<i>For Galvanized Cast Iron Parts, Add</i>	247.00	
22 13 19 13-0089 EA 12-5/8" Round Floor Drain With Sediment Bucket, 6" Bottom Outlet, Satin Bronze Top, Without Trap.....	824.34	165.43
<i>For Primer Tap, Add</i>	33.50	
<i>For Vandal Proof Screws, Add</i>	30.50	
<i>For Galvanized Cast Iron Parts, Add</i>	247.00	
22 13 19 13-0090 EA 12" x 12" Floor Drain With Sediment Bucket, 2" Bottom Outlet, Nikaloy Top, Heavy Duty Loose-Set Cast Iron Grate	778.52	123.48
<i>For Vandal Proof Screws, Add</i>	29.50	
<i>For Primer Tap, Add</i>	31.00	
<i>For Aluminum Bucket, Add</i>	77.50	
<i>For Galvanized Cast Iron Parts, Add</i>	182.50	
22 13 19 13-0091 EA 12" x 12" Floor Drain With Sediment Bucket, 3" Bottom Outlet, Nikaloy Top, Heavy Duty Loose-Set Cast Iron Grate	805.14	136.82
<i>For Vandal Proof Screws, Add</i>	29.50	
<i>For Primer Tap, Add</i>	31.00	
<i>For Aluminum Bucket, Add</i>	77.50	
<i>For Galvanized Cast Iron Parts, Add</i>	182.50	
22 13 19 13-0092 EA 12" x 12" Floor Drain With Sediment Bucket, 4" Bottom Outlet, Nikaloy Top, Heavy Duty Loose-Set Cast Iron Grate	833.15	150.86
<i>For Vandal Proof Screws, Add</i>	29.50	
<i>For Primer Tap, Add</i>	31.00	
<i>For Aluminum Bucket, Add</i>	77.50	
<i>For Galvanized Cast Iron Parts, Add</i>	182.50	
22 13 19 13-0093 EA 12" x 12" Floor Drain With Sediment Bucket, 6" Bottom Outlet, Nikaloy Top, Heavy Duty Loose-Set Cast Iron Grate	862.34	165.43
<i>For Vandal Proof Screws, Add</i>	29.50	
<i>For Primer Tap, Add</i>	31.00	
<i>For Aluminum Bucket, Add</i>	77.50	
<i>For Galvanized Cast Iron Parts, Add</i>	182.50	
22 13 19 13-0094 EA 12" x 12" Floor Drain With Sediment Bucket, 2" Bottom Outlet, Cast Iron Top, Heavy Duty Loose-Set Cast Iron Grate	553.02	123.48
<i>For Vandal Proof Screws, Add</i>	29.50	
<i>For Primer Tap, Add</i>	31.00	
<i>For Aluminum Bucket, Add</i>	77.50	
<i>For Galvanized Cast Iron Parts, Add</i>	182.50	
22 13 19 13-0095 EA 12" x 12" Floor Drain With Sediment Bucket, 3" Bottom Outlet, Cast Iron Top, Heavy Duty Loose-Set Cast Iron Grate	579.64	136.82
<i>For Vandal Proof Screws, Add</i>	29.50	
<i>For Primer Tap, Add</i>	31.00	
<i>For Aluminum Bucket, Add</i>	77.50	
<i>For Galvanized Cast Iron Parts, Add</i>	182.50	
22 13 19 13-0096 EA 12" x 12" Floor Drain With Sediment Bucket, 4" Bottom Outlet, Cast Iron Top, Heavy Duty Loose-Set Cast Iron Grate	607.65	150.86
<i>For Vandal Proof Screws, Add</i>	29.50	
<i>For Primer Tap, Add</i>	31.00	
<i>For Aluminum Bucket, Add</i>	77.50	
<i>For Galvanized Cast Iron Parts, Add</i>	182.50	
22 13 19 13-0097 EA 12" x 12" Floor Drain With Sediment Bucket, 6" Bottom Outlet, Cast Iron Top, Heavy Duty Loose-Set Cast Iron Grate	636.84	165.43
<i>For Vandal Proof Screws, Add</i>	29.50	
<i>For Primer Tap, Add</i>	31.00	
<i>For Aluminum Bucket, Add</i>	77.50	
<i>For Galvanized Cast Iron Parts, Add</i>	182.50	
22 13 19 13-0098 EA 12" x 12" Floor Drain With Sediment Bucket, 2" Bottom Outlet, Bronze Top, Heavy Duty Loose-Set Cast Iron Grate	739.52	123.48
<i>For Vandal Proof Screws, Add</i>	29.50	
<i>For Primer Tap, Add</i>	31.00	
<i>For Aluminum Bucket, Add</i>	77.50	
<i>For Galvanized Cast Iron Parts, Add</i>	182.50	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 19 13-0099	EA		12" x 12" Floor Drain With Sediment Bucket, 3" Bottom Outlet, Bronze Top, Heavy Duty Loose-Set Cast Iron Grate.....	766.14	136.82
			<i>For Vandal Proof Screws, Add</i>	29.50	
			<i>For Primer Tap, Add</i>	31.00	
			<i>For Aluminum Bucket, Add</i>	77.50	
			<i>For Galvanized Cast Iron Parts, Add</i>	182.50	
22 13 19 13-0100	EA		12" x 12" Floor Drain With Sediment Bucket, 4" Bottom Outlet, Bronze Top, Heavy Duty Loose-Set Cast Iron Grate.....	794.15	150.86
			<i>For Vandal Proof Screws, Add</i>	29.50	
			<i>For Primer Tap, Add</i>	31.00	
			<i>For Aluminum Bucket, Add</i>	77.50	
			<i>For Galvanized Cast Iron Parts, Add</i>	182.50	
22 13 19 13-0101	EA		12" x 12" Floor Drain With Sediment Bucket, 6" Bottom Outlet, Bronze Top, Heavy Duty Loose-Set Cast Iron Grate.....	823.34	165.43
			<i>For Vandal Proof Screws, Add</i>	29.50	
			<i>For Primer Tap, Add</i>	31.00	
			<i>For Aluminum Bucket, Add</i>	77.50	
			<i>For Galvanized Cast Iron Parts, Add</i>	182.50	
22 13 19 13-0102			Other Drains (22 13 19 13)		
22 13 19 13-0103			Shower Drains (22 13 19 13-0102)		
22 13 19 13-0104	EA		4-1/4" Stainless Steel Shower Drain Strainer.....	33.72	11.14
			Note: Includes two 2-5/8" screws.		
22 13 19 13-0105	EA		4-1/4" Brass Shower Drain Strainer.....	36.70	11.14
			Note: Includes two 2-5/8" screws.		
22 13 19 13-0106	EA		4" Brass Shower Drain For Polyvinyl Chloride (PVC) Pipe.....	80.35	22.29
			Note: Fits over 2" polyvinyl chloride (PVC) pipe or inside 3" polyvinyl chloride (PVC) pipe.		
22 13 19 13-0107	EA		4" Chrome Finish, Threaded Brass Shower Drain And Gasket.....	97.45	22.29
			Note: For 2" pipe. Kohler K-9132.		
22 13 19 13-0108			Acid Resistant Floor Drains (22 13 19 13-0102)		
22 13 19 13-0109	EA		9" Diameter Floor Drain With 2" Bottom Outlet, Acid Resistant Top.....	429.97	110.25
			<i>For Galvanized Cast Iron Parts, Add</i>	87.50	
			<i>For Primer Tap, Add</i>	33.50	
			<i>For Vandal Proof Screws, Add</i>	30.50	
22 13 19 13-0110	EA		9" Diameter Floor Drain With 3" Bottom Outlet, Acid Resistant Top.....	456.52	123.48
			<i>For Galvanized Cast Iron Parts, Add</i>	87.50	
			<i>For Primer Tap, Add</i>	33.50	
			<i>For Vandal Proof Screws, Add</i>	30.50	
22 13 19 13-0111	EA		9" Diameter Floor Drain With 4" Bottom Outlet, Acid Resistant Top.....	482.85	136.72
			<i>For Galvanized Cast Iron Parts, Add</i>	87.50	
			<i>For Primer Tap, Add</i>	33.50	
			<i>For Vandal Proof Screws, Add</i>	30.50	
22 13 19 13-0112			Rotary And Lever Drains (22 13 19 13-0102)		
22 13 19 13-0113	EA		Lever Drain, 1-1/2" Drain, 3" Sink Opening.....	201.66	74.36
22 13 19 13-0114	EA		Lever Drain, 2" Drain, 3" Sink Opening.....	217.03	82.05
22 13 19 13-0115	EA		Lever Drain, 1-1/2" Drain, 3-1/2" Sink Opening.....	201.66	74.36
22 13 19 13-0116	EA		Lever Drain, 2" Drain, 3-1/2" Sink Opening.....	217.03	82.05
22 13 19 13-0117	EA		Twist Drain, 1-1/2" Drain, 3" Sink Opening.....	201.66	74.36
22 13 19 13-0118	EA		Twist Drain, 2" Drain, 3" Sink Opening.....	217.03	82.05
22 13 19 13-0119	EA		Twist Drain, 1-1/2" Drain, 3-1/2" Sink Opening.....	201.66	74.36
22 13 19 13-0120	EA		Twist Drain, 2" Drain, 3-1/2" Sink Opening.....	217.03	82.05
22 13 19 13-0121	EA		Rotary Twist Drain, 1-1/2"-2" Drain, 3-1/2" Sink Opening (Fisher 16100).....	257.88	82.05
22 13 19 13-0122			Floor Receptor (22 13 19 13)		
22 13 19 13-0123			9" Diameter Round Shallow Receptor (22 13 19 13-0122)		
			Note: With slotted medium duty grate, aluminum secondary strainer and white acid resisting coated interior and top.		
22 13 19 13-0124	EA		9" Diameter x 3" Shallow Cast Iron Floor Receptor, 2" Drain Connection.....	509.18	123.59
			<i>For Flange With Seepage Holes, Add</i>	58.50	
			<i>For Flange With Seepage Holes And Clamp Collar, Add</i>	97.00	
			<i>For Trap Primer Connection, Add</i>	38.00	
			<i>For Full Grate With 2" (50 mm) Square Center Opening, Add</i>	36.00	
			<i>For Vandal Proof Secured Grate, Add</i>	33.50	
			<i>For White Acid Resistant Bucket, Add</i>	47.00	
			<i>For Stainless Steel Liner For Bucket, Add</i>	62.50	
22 13 19 13-0125	EA		9" Diameter x 3" Shallow Cast Iron Floor Receptor, 3" Drain Connection.....	535.93	136.92
			<i>For Flange With Seepage Holes, Add</i>	58.50	
			<i>For Flange With Seepage Holes And Clamp Collar, Add</i>	97.00	
			<i>For Trap Primer Connection, Add</i>	38.00	
			<i>For Full Grate With 2" (50 mm) Square Center Opening, Add</i>	36.00	
			<i>For Vandal Proof Secured Grate, Add</i>	33.50	
			<i>For White Acid Resistant Bucket, Add</i>	47.00	
			<i>For Stainless Steel Liner For Bucket, Add</i>	62.50	



Plumbing	22
Plumbing Piping	22 10
Facility Sanitary Sewerage	22 13

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 19 13-0126 EA 9" Diameter x 3" Shallow Cast Iron Floor Receptor, 4" Drain Connection	563.65	150.86
For Flange With Seepage Holes, Add	58.50	
For Flange With Seepage Holes And Clamp Collar, Add	97.00	
For Trap Primer Connection, Add	38.00	
For Full Grate With 2" (50 mm) Square Center Opening, Add	36.00	
For Vandal Proof Secured Grate, Add	33.50	
For White Acid Resistant Bucket, Add	47.00	
For Stainless Steel Liner For Bucket, Add	62.50	
22 13 19 13-0127 Square Top Floor Receptors (22 13 19 13-0122)		
Note: With acid resistant coating.		
22 13 19 13-0128 EA 8" x 8" Floor Drain With 1-1/2" Bottom Outlet, Acid Resistant Top	544.56	110.25
For Flange With Seepage Holes, Add	37.50	
For Flange With Seepage Holes And Clamp Collar, Add	69.00	
For Trap Primer Connection, Add	39.50	
For Full Grate With 2" Square Center Opening, Add	36.00	
For Vandal Proof Secured Grate, Add	15.50	
For White Acid Resistant Bucket, Add	88.00	
For Stainless Steel Liner For Bucket, Add	97.00	
22 13 19 13-0129 EA 8" x 8" Floor Drain With 2" Bottom Outlet, Acid Resistant Top.....	571.14	123.59
For Flange With Seepage Holes, Add	37.50	
For Flange With Seepage Holes And Clamp Collar, Add	69.00	
For Trap Primer Connection, Add	39.50	
For Full Grate With 2" Square Center Opening, Add	36.00	
For Vandal Proof Secured Grate, Add	15.50	
For White Acid Resistant Bucket, Add	88.00	
For Stainless Steel Liner For Bucket, Add	97.00	
22 13 19 13-0130 EA 8" x 8" Floor Drain With 3" Bottom Outlet, Acid Resistant Top.....	597.35	136.72
For Flange With Seepage Holes, Add	37.50	
For Flange With Seepage Holes And Clamp Collar, Add	69.00	
For Trap Primer Connection, Add	39.50	
For Full Grate With 2" Square Center Opening, Add	36.00	
For Vandal Proof Secured Grate, Add	15.50	
For White Acid Resistant Bucket, Add	88.00	
For Stainless Steel Liner For Bucket, Add	97.00	
22 13 19 13-0131 EA 8" x 8" Floor Drain With 4" Bottom Outlet, Acid Resistant Top.....	625.65	150.86
For Flange With Seepage Holes, Add	37.50	
For Flange With Seepage Holes And Clamp Collar, Add	69.00	
For Trap Primer Connection, Add	39.50	
For Full Grate With 2" Square Center Opening, Add	36.00	
For Vandal Proof Secured Grate, Add	15.50	
For White Acid Resistant Bucket, Add	88.00	
For Stainless Steel Liner For Bucket, Add	97.00	
22 13 19 13-0132 Floor Drain Accessories (22 13 19 13)		
22 13 19 13-0133 EA 3" Trap Guard Floor Drain Insert (ProVent TG3H).....	67.87	12.82
Note: Prevents emission of sewer gases.		
22 13 19 13-0134 EA 2" Trap Guard Drain Insert For Cast Iron Or Polyvinyl Chloride (PVC) Pipe (ProVent TG22)	57.31	12.82
Note: Prevents emission of sewer gases.		
22 13 19 13-0135 EA 3" Trap Guard Drain Insert For Cast Iron Or Polyvinyl Chloride (PVC) Pipe (ProVent TG33)	61.54	12.82
Note: Prevents emission of sewer gases.		
22 13 19 13-0136 EA 3" Trap Guard Drain Insert For 4" Cast Iron Or Polyvinyl Chloride (PVC) Pipe (ProVent TG34IP).....	72.09	12.82
Note: Prevents emission of sewer gases.		
22 13 19 13-0137 EA 3" Trap Guard Drain Insert For 4" Hub (ProVent TG34TP).....	65.76	12.82
Note: Prevents emission of sewer gases.		
22 13 19 13-0138 EA 2" Quad Close Trap Seal, For Drain Body Or Strainer Throat (JRSmith 2692-02)	89.14	12.82
Note: Prevents emission of sewer gases.		
22 13 19 13-0139 EA 3" Quad Close Trap Seal, For Drain Body Or Strainer Throat (JRSmith 2692-03)	97.64	12.82
Note: Prevents emission of sewer gases.		
22 13 19 13-0140 EA 4" Quad Close Trap Seal, For Drain Body Or Strainer Throat (JRSmith 2692-04)	118.74	12.82
Note: Prevents emission of sewer gases.		
22 13 19 26 Grease Removal Devices (22 13 19)		
22 13 19 26-0001 Manual Cleaning Epoxy Coated Steel Grease Interceptor (22 13 19 26)		
Note: Includes internal air relief, visible double wall trap, removable baffle, gasketed non-skid cover bearing PDI seal of approval and flow control fitting.		
22 13 19 26-0002 Standard Manual Cleaning Epoxy Coated Steel Grease Interceptor (22 13 19 26-0001)		
Note: Josam 60100H/60210A, Smith 8100/8400, Wade 5100, or Zurn Z1173/Z1170 series.		
22 13 19 26-0003 EA 7 GPM, 14 LB Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor	748.85	76.93
Note: Josam 60102H.		
For Steel Enclosure Cabinet With Non Skid Cover, Add	1,312.24	
22 13 19 26-0004 EA 10 GPM, 20 LB Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor	869.68	173.07
Note: Josam 60103H.		
For Flange And Clamp Device, Add	375.55	
For Steel Enclosure Cabinet With Non Skid Cover, Add	1,386.52	
22 13 19 26-0005 EA 15 GPM, 30 LB Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor	1,202.37	192.30
Note: Josam 60104H.		
For Flange And Clamp Device, Add	388.37	
For Steel Enclosure Cabinet With Non Skid Cover, Add	1,514.23	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 19 26-0006	EA		20 GPM, 40 LB Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor Note: Josam 60105H. <i>For Flange And Clamp Device, Add</i> <i>For Steel Enclosure Cabinet With Non Skid Cover, Add</i>	1,439.88 401.19 1,636.50	211.53
22 13 19 26-0007	EA		25 GPM, 50 LB Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor Note: Josam 60106H. <i>For Flange And Clamp Device, Add</i> <i>For Steel Enclosure Cabinet With Non Skid Cover, Add</i>	1,608.47 444.41 1,704.05	230.77
22 13 19 26-0008	EA		35 GPM, 70 LB Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor Note: Josam 60107H. <i>For Flange And Clamp Device, Add</i> <i>For Steel Enclosure Cabinet With Non Skid Cover, Add</i>	1,966.81 481.25 1,874.99	269.23
22 13 19 26-0009	EA		50 GPM, 100 LB Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor Note: Josam 60108H. <i>For Flange And Clamp Device, Add</i> <i>For Steel Enclosure Cabinet With Non Skid Cover, Add</i>	2,539.57 547.85 1,998.89	307.69
22 13 19 26-0010	EA		75 GPM, 150 LB Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor Note: Josam 60109H. <i>For Flange And Clamp Device, Add</i>	4,837.59 774.77	346.14
22 13 19 26-0011	EA		100 GPM, 200 LB Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor Note: Josam 60110H. <i>For Flange And Clamp Device, Add</i>	5,441.40 867.17	388.75
22 13 19 26-0012	EA		150 GPM, 300 LB Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor Note: Josam 60213A. <i>For Flange And Clamp Device, Add</i>	6,787.71 1,182.67	622.00
22 13 19 26-0013	EA		200 GPM, 400 LB Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor Note: Josam 60214A. <i>For Flange And Clamp Device, Add</i>	9,680.49 1,415.62	777.50
22 13 19 26-0014	EA		250 GPM, 500 LB Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor Note: Josam 60215A. <i>For Flange And Clamp Device, Add</i>	11,306.03 1,832.24	932.99
22 13 19 26-0015	EA		350 GPM, 700 LB Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor Note: Josam 60216A. <i>For Flange And Clamp Device, Add</i>	14,626.20 2,173.67	1,088.50
22 13 19 26-0016	EA		500 GPM, 1,000 LB Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor Note: Josam 60217A. <i>For Flange And Clamp Device, Add</i>	18,837.26 2,550.61	1,244.00
22 13 19 26-0017			Low Profile Manual Cleaning Epoxy Coated Steel Grease Interceptor (22 13 19 26-0001) Note: Josam 60110A, Smith 8100, Wade 5100LR, or Zurn Z1171 series.		
22 13 19 26-0018	EA		20 GPM, 40 LB Capacity Low Profile Manual Cleaning Epoxy Coated Steel Grease Interceptor..... Note: Josam 60115A.	2,017.52	211.53
22 13 19 26-0019	EA		35 GPM, 70 LB Capacity Low Profile Manual Cleaning Epoxy Coated Steel Grease Interceptor..... Note: Josam 60117A.	2,593.68	269.23
22 13 19 26-0020	EA		50 GPM, 100 LB Capacity Low Profile Manual Cleaning Epoxy Coated Steel Grease Interceptor..... Note: Smith 8150.	4,196.64	307.69
22 13 19 26-0021			Semi Automatic Cleaning Epoxy Coated Steel Grease Interceptor (22 13 19 26) Note: Includes internal air relief, visible double wall trap, removable baffle, gasketed non-skid cover bearing PDI seal of approval, grease recovery cone, flexible hose, grease draw off valve and flow control fitting.		
22 13 19 26-0022			Standard Semi Automatic Cleaning Epoxy Coated Steel Grease Interceptor (22 13 19 26-0021) Note: Josam 60100-SA, Smith 8300GTX, Wade 5100JCX, or Zurn Z1173-TD series.		
22 13 19 26-0023	EA		7 GPM, 14 LB Capacity Semi Automatic Epoxy Coated Steel Grease Interceptor Note: Josam 60102-SA. <i>For Steel Enclosure Cabinet With Non Skid Cover, Add</i>	1,753.88 1,312.24	76.93
22 13 19 26-0024	EA		10 GPM, 20 LB Capacity Semi Automatic Epoxy Coated Steel Grease Interceptor Note: Josam 60103-SA. <i>For Steel Enclosure Cabinet With Non Skid Cover, Add</i>	2,057.78 1,386.52	173.07
22 13 19 26-0025	EA		15 GPM, 30 LB Capacity Semi Automatic Epoxy Coated Steel Grease Interceptor Note: Josam 60104-SA. <i>For Steel Enclosure Cabinet With Non Skid Cover, Add</i>	2,203.03 1,514.23	192.30
22 13 19 26-0026	EA		20 GPM, 40 LB Capacity Semi Automatic Epoxy Coated Steel Grease Interceptor Note: Josam 60105-SA. <i>For Steel Enclosure Cabinet With Non Skid Cover, Add</i>	2,674.66 1,636.50	211.53
22 13 19 26-0027	EA		25 GPM, 50 LB Capacity Semi Automatic Epoxy Coated Steel Grease Interceptor Note: Josam 60106-SA. <i>For Steel Enclosure Cabinet With Non Skid Cover, Add</i>	3,209.75 1,704.05	230.77
22 13 19 26-0028	EA		35 GPM, 70 LB Capacity Semi Automatic Epoxy Coated Steel Grease Interceptor Note: Josam 60107-SA. <i>For Steel Enclosure Cabinet With Non Skid Cover, Add</i>	3,337.25 1,874.99	269.23
22 13 19 26-0029	EA		50 GPM, 100 LB Capacity Semi Automatic Epoxy Coated Steel Grease Interceptor Note: Josam 60108-SA. <i>For Steel Enclosure Cabinet With Non Skid Cover, Add</i>	3,809.72 1,998.89	307.69
22 13 19 26-0030			Low Profile Semi Automatic Cleaning Epoxy Coated Steel Grease Interceptor (22 13 19 26-0021) Note: Josam 60115A-SA, Smith 8100GTX, or Zurn Z1171-TD series.		
22 13 19 26-0031	EA		35 GPM, 70 LB Capacity Low Profile Semi Automatic Epoxy Coated Steel Grease Interceptor..... Note: Josam 60115A-SA.	4,428.34	269.23



MINOR	CSI	UOM	DESCRIPTION		TOTAL DIRECT	DEMOLITION		UNIT COST	UNIT COST
22 13 19 26-0032			Automatic Cleaning Stainless Steel Grease Interceptor <small>(22 13 19 26)</small>						
			Note: Includes stainless steel screen basket, plastic grease container with lid and control box with digital timer.						
22 13 19 26-0033	EA		20 GPM, 69 LB Capacity Automatic Cleaning Stainless Steel Grease Interceptor.....		3,866.47				211.53
			Note: Lowe Engineering 20 Greasestopper.						
22 13 19 26-0034	EA		25 GPM, 91 LB Capacity Automatic Cleaning Stainless Steel Grease Interceptor.....		4,470.83				230.77
			Note: Lowe Engineering 25 Greasestopper.						
22 13 19 26-0035			Precast Concrete Grease Interceptor <small>(22 13 19 26)</small>						
			Note: Includes two access manholes, cast iron non-skid surface, lift hole, frame and cover for heavy-traffic.						
22 13 19 26-0036	EA		1,000 Gallon Pre-Cast Grease Interceptor		4,628.24				338.37
22 13 19 26-0037	EA		1,250 Gallon Pre-Cast Grease Interceptor		5,295.56				338.37
22 13 19 26-0038	EA		1,500 Gallon Pre-Cast Grease Interceptor		6,010.35				386.84
22 13 19 26-0039	EA		2,000 Gallon Pre-Cast Grease Interceptor		6,839.10				546.32
22 13 19 26-0040	EA		2,500 Gallon Pre-Cast Grease Interceptor		7,699.79				735.03
22 13 19 26-0041	EA		4,000 Gallon Pre-Cast Grease Interceptor		11,549.52				967.05
22 13 19 26-0042	EA		5,000 Gallon Pre-Cast Grease Interceptor		14,826.00				1,585.82
22 13 19 26-0043			Coated Steel Manual Oil Interceptor <small>(22 13 19 26)</small>						
			Note: Includes internal air relief, and flow control fitting.						
22 13 19 26-0044	EA		10 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off		2,187.00				293.07
22 13 19 26-0045	EA		15 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off		2,893.67				348.23
22 13 19 26-0046	EA		20 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off		3,510.38				428.46
22 13 19 26-0047	EA		25 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off		3,812.71				464.12
22 13 19 26-0048	EA		35 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off		4,516.59				506.46
22 13 19 26-0049	EA		50 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off		5,830.53				557.16
22 13 19 26-0050	EA		75 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off		9,450.13				641.02
22 13 19 26-0051	EA		100 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off		10,429.83				788.71
22 13 19 26-0052	EA		150 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off		12,678.87				854.85
22 13 19 26-0053	EA		200 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off		17,549.43				1,025.62
22 13 19 26-0054	EA		250 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off		20,155.86				1,102.55
22 13 19 26-0055	EA		350 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off		25,297.74				1,314.85
22 13 19 26-0056	EA		400 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off		29,973.12				1,077.42
22 13 19 26-0057	EA		500 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off		35,513.13				1,282.03
22 13 19 33			Backwater Valves <small>(22 13 19)</small>						
22 13 19 33-0001			Cast Iron Body Terminal Backwater Valves <small>(22 13 19 33)</small>						
22 13 19 33-0002	EA		2" Cast Iron Body Terminal Backwater Valve		234.67				29.44
22 13 19 33-0003	EA		3" Cast Iron Body Terminal Backwater Valve		245.95				37.03
22 13 19 33-0004	EA		4" Cast Iron Body Terminal Backwater Valve		351.56				49.23
22 13 19 33-0005	EA		6" Cast Iron Body Terminal Backwater Valve		892.45				65.70
22 13 19 33-0006	EA		8" Cast Iron Body Terminal Backwater Valve		1,095.83				86.47
22 13 19 33-0007	EA		10" Cast Iron Body Terminal Backwater Valve		3,064.00				106.67
22 13 19 33-0008	EA		12" Cast Iron Body Terminal Backwater Valve		3,483.93				138.34
22 13 19 33-0009			Cast Iron Backwater Sewer Line Valve <small>(22 13 19 33)</small>						
			Note: Offset type with bronze swing check assembly, threaded bronze cover, and bell and spigot connections.						
22 13 19 33-0010	EA		2" Backwater Sewer Valve, Cast Iron, Offset Type With Bronze Swing Check Assembly.....		596.45				70.21
22 13 19 33-0011	EA		3" Backwater Sewer Valve, Cast Iron, Offset Type With Bronze Swing Check Assembly.....		887.18				85.13
22 13 19 33-0012	EA		4" Backwater Sewer Valve, Cast Iron, Offset Type With Bronze Swing Check Assembly.....		1,102.21				109.74
22 13 19 33-0013	EA		6" Backwater Sewer Valve, Cast Iron, Offset Type With Bronze Swing Check Assembly.....		1,505.76				119.36
22 13 19 33-0014	EA		8" Backwater Sewer Valve, Cast Iron, Offset Type With Bronze Swing Check Assembly.....		2,062.85				141.45
22 13 19 33-0015			Cast Iron, Straight Through Shear Gate, Swing Check Backwater Valve <small>(22 13 19 33)</small>						
			Note: Offset type with bronze, manually operated shear gate, non-rising stem, and bell and spigot connections.						
22 13 19 33-0016	EA		3" Cast Iron Body, Straight Through Shear Gate, Swing Check Backwater Valve		1,509.18				111.08
22 13 19 33-0017	EA		4" Cast Iron Body, Straight Through Shear Gate, Swing Check Backwater Valve		1,564.15				147.69
22 13 19 33-0018	EA		5" Cast Iron Body, Straight Through Shear Gate, Swing Check Backwater Valve		2,242.31				176.77
22 13 19 33-0019	EA		6" Cast Iron Body, Straight Through Shear Gate, Swing Check Backwater Valve		2,273.05				197.08
22 13 19 33-0020			Polyvinyl Chloride (PVC) Backwater Sewer Line Valve <small>(22 13 19 33)</small>						
			Note: Oatey.						
22 13 19 33-0021	EA		3" Polyvinyl Chloride (PVC) Backwater Sewer Valve (Oatey 43900).....		96.71				37.03
22 13 19 33-0022	EA		4" Polyvinyl Chloride (PVC) Backwater Sewer Valve (Oatey 43904).....		119.30				49.23
22 13 19 33-0023	EA		6" Polyvinyl Chloride (PVC) Backwater Sewer Valve (Oatey 43908).....		292.57				65.70
22 13 19 33-0024			Polyvinyl Chloride (PVC) Extendable Backwater Valves <small>(22 13 19 33)</small>						
22 13 19 33-0025	EA		3" Polyvinyl Chloride (PVC) Extendable Backwater Sewer Valve (Rectorseal Clean Check).....		218.96				74.05
			Note: Includes valve body, flapper assembly and collar.						
22 13 19 33-0026	EA		4" Polyvinyl Chloride (PVC) Extendable Backwater Sewer Valve (Rectorseal Clean Check).....		291.54				98.46
			Note: Includes valve body, flapper assembly and collar.						

22	Plumbing
22 10	Plumbing Piping
22 13	Facility Sanitary Sewerage



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 19 33-0027 EA 6" Polyvinyl Chloride (PVC) Extendable Backwater Sewer Valve (Rectorseal Clean Check).....	472.57	131.38
Note: Includes valve body, flapper assembly and collar.		
22 13 19 36 Air-Admittance Valves (22 13 19)		
22 13 19 36-0001 Acrylonitrile Butadiene Styrene (ABS) And Polyvinyl Chloride (PVC) Automatic Drain Vent (22 13 19 36)		
22 13 19 36-0002 EA 1-1/4", 1-1/2" And 2" Acrylonitrile Butadiene Styrene (ABS) Or Polyvinyl Chloride (PVC) Automatic Drain Vent, Mini Vent.....	100.73	14.36
22 13 19 36-0003 EA 2", 3" And 4" Acrylonitrile Butadiene Styrene (ABS) Or Polyvinyl Chloride (PVC) Automatic Drain Vent, Maxi Vent.....	118.13	14.36
22 13 23 Sanitary Waste Interceptors (22 13)		
22 13 23 00-0001 Sediment Bucket Solids Interceptors (22 13 23)		
22 13 23 00-0002 EA 1-1/2" Or 2" Top Access, 15 GPM, Composite With Removable PVC Sediment Bucket Solids Interceptor (Zurn 1180).....	714.85	145.23
Note: Replaces P-Trap. Recovers all types of solids from precious metal particles, plaster, clay or similar materials.		
22 13 23 00-0003 EA 1-1/2" Or 2" Bottom Access, 15 GPM, Composite With Removable PVC Sediment Bucket Solids Interceptor (Zurn 1184).....	715.66	145.23
Note: Replaces P-Trap. Recovers all types of solids from precious metal particles, plaster, clay or similar materials.		
22 13 23 00-0004 EA 1-1/2" Or 2" Top Access, Acid Resistant Coated Steel (Inside And Outside), Aluminum Cover, Removable Stainless Steel Sediment Bucket Solids Interceptor (Jay R. Smith 8714 ARI0).....	977.23	145.23
Note: On floor mount. Replaces P-Trap. Recovers all types of solids from precious metal particles, plaster, clay or similar materials.		
22 13 23 00-0005 EA 1-1/2" Or 2" Bottom Access, 15 GPM, Acid Resistant Coated Cast Iron, Aluminum Strainer, Removable Stainless Steel Screens, Sediment Bucket Solids Interceptor (Jay R. Smith 8730-ARI0).....	977.23	145.23
Note: Replaces P-Trap. Recovers all types of solids from precious metal particles, plaster, clay or similar materials.		
22 13 23 00-0006 EA 1-1/2" Or 2" Top Access, Acid Resistant Coated Cast Aluminum (Inside And Outside) Removable Stainless Steel Screen, Sediment Bucket Solids Interceptor (Josam 61030).....	1,036.45	145.23
Note: Replaces P-Trap. Recovers all types of solids from precious metal particles, plaster, clay or similar materials.		
22 13 23 00-0007 Solid Interceptors, Cast Iron With Internal Deep Seal Trap (22 13 23)		
22 13 23 00-0008 EA 1-1/2" Inlet Cast Iron Solid Interceptor, Painted Enamel.....	311.82	49.69
For Stainless Steel Bucket, Add 175.00		
22 13 23 00-0009 EA 2" Inlet Cast Iron Solid Interceptor, Painted Enamel.....	318.18	52.93
For Stainless Steel Bucket, Add 175.00		
22 13 23 00-0010 Sediment Strainers (22 13 23)		
22 13 23 00-0011 EA 2" Strainer, Pump Suction Side.....	148.66	67.93
22 13 29 Sanitary Sewerage Pumps (22 13)		
Note: Includes extra set of gaskets, bearings and seals.		
22 13 29 13 Wet-Pit-Mounted, Vertical Sewerage Pumps (22 13 29)		
22 13 29 13-0001 Vertical Non-Clog Sewage Pumps (22 13 29 13)		
22 13 29 13-0002 1-1/2" Solids 1,750 RPM Vertical Sewage Pumps (22 13 29 13-0001)		
22 13 29 13-0003 EA 1/2 HP, Up To 75 GPM Sewage Pump, Vertical Non Clog, 2-1/2" Discharge Pipe, 1,750 RPM.....	9,073.67	1,230.34
22 13 29 13-0004 EA 3/4 HP, Up To 125 GPM Sewage Pump, Vertical Non Clog, 2-1/2" Discharge Pipe, 1,750 RPM.....	9,480.14	1,230.34
22 13 29 13-0005 EA 1 HP, Up To 150 GPM Sewage Pump, Vertical Non Clog, 2-1/2" Discharge Pipe, 1,750 RPM.....	9,886.61	1,230.34
22 13 29 13-0006 EA 1-1/2 HP, Up To 150 GPM Sewage Pump, Vertical Non Clog, 2-1/2" Discharge Pipe, 1,750 RPM.....	10,274.32	1,230.34
22 13 29 13-0007 2" Solids 1,750 RPM Vertical Sewage Pumps (22 13 29 13-0001)		
22 13 29 13-0008 EA 3/4 HP, Up To 75 GPM Sewage Pump, Vertical Non Clog, 3" Discharge Pipe, 1,750 RPM.....	10,199.28	1,230.34
22 13 29 13-0009 EA 1 HP, Up To 100 GPM Sewage Pump, Vertical Non Clog, 3" Discharge Pipe, 1,750 RPM.....	10,355.62	1,230.34
22 13 29 13-0010 EA 2 HP, Up To 200 GPM Sewage Pump, Vertical Non Clog, 3" Discharge Pipe, 1,750 RPM.....	10,465.05	1,230.34
22 13 29 13-0011 EA 3 HP, Up To 300 GPM Sewage Pump, Vertical Non Clog, 3" Discharge Pipe, 1,750 RPM.....	11,215.46	1,230.34
22 13 29 13-0012 EA 5 HP, Up To 400 GPM Sewage Pump, Vertical Non Clog, 3" Discharge Pipe, 1,750 RPM.....	11,950.23	1,230.34
22 13 29 13-0013 EA 7-1/2 HP, Up To 500 GPM Sewage Pump, Vertical Non Clog, 3" Discharge Pipe, 1,750 RPM.....	13,075.85	1,230.34
22 13 29 13-0014 EA 10 HP, Up To 600 GPM Sewage Pump, Vertical Non Clog, 3" Discharge Pipe, 1,750 RPM.....	14,201.46	1,230.34
22 13 29 13-0015 EA 15 HP, Up To 600 GPM Sewage Pump, Vertical Non Clog, 3" Discharge Pipe, 1,750 RPM.....	16,141.03	1,637.31
22 13 29 13-0016 3" Solids 1,750 RPM Vertical Sewage Pumps (22 13 29 13-0001)		
22 13 29 13-0017 EA 2 HP, Up To 300 GPM Sewage Pump, Vertical Non Clog, 4" Discharge Pipe, 1,750 RPM.....	10,982.62	1,230.34
22 13 29 13-0018 EA 3 HP, Up To 400 GPM Sewage Pump, Vertical Non Clog, 4" Discharge Pipe, 1,750 RPM.....	10,982.62	1,230.34
22 13 29 13-0019 EA 5 HP, Up To 500 GPM Sewage Pump, Vertical Non Clog, 4" Discharge Pipe, 1,750 RPM.....	11,253.48	1,230.34
22 13 29 13-0020 EA 7-1/2 HP, Up To 700 GPM Sewage Pump, Vertical Non Clog, 4" Discharge Pipe, 1,750 RPM.....	13,355.12	1,230.34
22 13 29 13-0021 EA 10 HP, Up To 800 GPM Sewage Pump, Vertical Non Clog, 4" Discharge Pipe, 1,750 RPM.....	13,723.78	1,230.34
22 13 29 13-0022 EA 15 HP, Up To 900 GPM Sewage Pump, Vertical Non Clog, 4" Discharge Pipe, 1,750 RPM.....	16,270.72	1,637.31
22 13 29 13-0023 EA 20 HP, Up To 900 GPM Sewage Pump, Vertical Non Clog, 4" Discharge Pipe, 1,750 RPM.....	17,208.73	1,637.31



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 29 13-0024				Extra Column Assemblies Addition, 5' Or Less <small>(22 13 29 13-0001)</small>		
				22 13 29 13-0025 EA 2-1/2" Diameter x 5' Long Extra Column Assembly For vertical sewage pumps.....	519.49	
				22 13 29 13-0026 EA 3" Diameter x 5' Long Extra Column Assembly For vertical sewage pumps.....	623.75	
				22 13 29 13-0027 EA 4" Diameter x 5' Long Extra Column Assembly For vertical sewage pumps.....	697.18	
				22 13 29 13-0028 EA 5" Diameter x 5' Long Extra Column Assembly For vertical sewage pumps.....	709.88	
				22 13 29 13-0029 EA 6" Diameter x 5' Long Extra Column Assembly For vertical sewage pumps.....	796.91	
22 13 29 13-0030				Float Switches <small>(22 13 29 13-0001)</small>		
				Note: Copper coated floats, brass rods and stops and switch brackets.		
				22 13 29 13-0031 EA Float Switch Copper Coated Float, Add, General Purpose For vertical sewage pumps.....	466.91	
				22 13 29 13-0032 EA Float Switch Copper Coated Float, Add, Weather Proof For vertical sewage pumps.....	490.48	
				22 13 29 13-0033 EA Float Switch Copper Coated Float, Add, Explosion Proof For vertical sewage pumps.....	501.36	
22 13 29 13-0034				Square Or Round Steel Sump Covers <small>(22 13 29 13-0001)</small>		
				22 13 29 13-0035 EA 24" Steel Sump Covers, Square Or Round.....	468.01	41.03
				22 13 29 13-0036 EA 30" Steel Sump Covers, Square Or Round.....	518.45	46.15
				22 13 29 13-0037 EA 36" Steel Sump Covers, Square Or Round.....	717.27	61.53
				22 13 29 13-0038 EA 40" Steel Sump Covers, Square Or Round.....	1,026.17	71.80
				22 13 29 13-0039 EA 42" Steel Sump Covers, Square Or Round.....	1,097.79	74.36
				22 13 29 13-0040 EA 48" Steel Sump Covers, Square Or Round.....	1,171.92	76.93
				22 13 29 13-0041 EA 54" Steel Sump Covers, Square Or Round.....	1,488.09	92.31
				22 13 29 13-0042 EA 60" Steel Sump Covers, Square Or Round.....	1,996.51	102.56
				22 13 29 13-0043 EA 72" Steel Sump Covers, Square Or Round.....	2,531.52	128.21
				22 13 29 13-0044 EA 84" Steel Sump Covers, Square Or Round.....	3,199.58	141.02
22 13 29 16				Submersible Sewerage Pumps <small>(22 13 29)</small>		
				Note: Includes 25' of cord with pumps unless otherwise noted.		
22 13 29 16-0001				Submersible Sewage Pumps With Vortex Impeller <small>(22 13 29 16)</small>		
22 13 29 16-0002				Submersible Sewage Pumps With Cast Iron Vortex Impeller <small>(22 13 29 16-0001)</small>		
				22 13 29 16-0003 EA 1/2 HP Submersible Sewage Pump, 115 Volt Or 230 Volt, 1 Phase, 2" Threaded Discharge, Epoxy-Coated Cast Steel Housing And Impeller.....	546.89	74.66
				22 13 29 16-0004 EA 1/2 HP Submersible Sewage Pump, 115 Volt Or 230 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Impeller.....	697.32	74.66
				22 13 29 16-0005 EA 1 HP Submersible Sewage Pump, 115 Volt Or 230 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Impeller.....	842.55	93.33
22 13 29 16-0006				Submersible Sewage Pumps With Bronze Vortex Impeller <small>(22 13 29 16-0001)</small>		
				22 13 29 16-0007 EA 1/2 HP Submersible Sewage Pump, 115 Volt Or 230 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Bronze Impeller.....	787.66	74.66
				22 13 29 16-0008 EA 1 HP Submersible Sewage Pump, 230 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Bronze Impeller.....	965.44	93.33
				22 13 29 16-0009 EA 1-1/2 HP Submersible Sewage Pump, 230 Volt, 1 Or 3 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Bronze Impeller.....	1,196.48	150.43
				22 13 29 16-0010 EA 2 HP Submersible Sewage Pump, 230 Volt, 1 Or 3 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Bronze Impeller.....	1,331.91	183.86
22 13 29 16-0011				Submersible Sewage Pumps With Semi-Open Impeller <small>(22 13 29 16)</small>		
				22 13 29 16-0012 EA 1 HP Submersible Sewage Pump, 230 Volt, 3 Phase, 3" To 4" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Impeller.....	1,651.89	93.33
				22 13 29 16-0013 EA 1.5 HP Submersible Sewage Pump, 230 Volt, 3 Phase, 3" To 4" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Impeller.....	1,822.93	138.39
				22 13 29 16-0014 EA 2 HP Submersible Sewage Pump, 230 Volt, 3 Phase, 3" To 4" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Impeller.....	2,349.30	169.15
				22 13 29 16-0015 EA 3 HP Submersible Sewage Pump, 230 Volt, 3 Phase, 3" To 4" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Impeller.....	2,734.95	205.02
				22 13 29 16-0016 EA 5 HP Submersible Sewage Pump, 230 Volt, 3 Phase, 3" To 4" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Impeller.....	3,187.29	240.90
				22 13 29 16-0017 EA 7.5 HP Submersible Sewage Pump, 230 Volt, 3 Phase, 3" To 4" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Impeller.....	3,340.66	276.78
22 13 29 16-0018				Submersible Sewage Pumps Accessories <small>(22 13 29 16)</small>		
				22 13 29 16-0019 EA Simplex Single Phase Plug In Controller With NEMA 4X Enclosure For Non-Automatic Submersible Sewage Pump.....	320.03	77.82
				Note: Includes alarm horn, warning light, and single control float switches.		
				22 13 29 16-0020 EA Simplex Single Phase Controller With NEMA 4X Enclosure For Non Automatic Submersible Sewage Pump.....	720.22	103.76
				Note: Includes alarm horn, warning light, HOA switch, and three control float switches.		
				22 13 29 16-0021 EA Simplex Three Phase Controller With NEMA 4X Enclosure For Non Automatic Submersible Sewage Pump.....	923.34	103.76
				Note: Includes alarm horn, warning light, HOA switch, and three control float switches.		
				22 13 29 16-0022 EA Duplex Alarm System And Controller With NEMA 4X Enclosure For Non Automatic Submersible Sewage Pump.....	1,036.08	129.70
				Note: Includes alarm horn, warning light, HOA switch, and three control float switches.		
				22 13 29 16-0023 EA High-water Alarm For Submersible Sewage Pump.....	243.39	51.88
				22 13 29 16-0024 EA Float Switch For Submersible Sewage Pump.....	93.95	25.94

22	Plumbing
22 10	Plumbing Piping
22 13	Facility Sanitary Sewerage



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

22 13 29 16-0025 EA Rail System With 2" Discharge For Submersible Sewage Pump449.52 77.82

22 13 29 33 Sewerage Pump Basins And Pits (22 13 29)

22 13 29 33-0001 Sewage Sump Pump Basin (22 13 29 33)

22 13 29 33-0002 High Density Polyethylene (HDPE) Basin (22 13 29 33-0001)

22 13 29 33-0003 EA 18" Diameter x 24" High, High Density Polyethylene (HDPE) Basin And Lid With Inlet And Hub 112.16
 22 13 29 33-0004 EA 18" Diameter x 30" High, High Density Polyethylene (HDPE) Basin And Lid With Inlet And Hub 142.13
 22 13 29 33-0005 EA 24" Diameter x 30" High, High Density Polyethylene (HDPE) Basin And Lid With Inlet And Hub 303.75
 22 13 29 33-0006 EA 24" Diameter x 36" High, High Density Polyethylene (HDPE) Basin And Lid With Inlet And Hub 420.66
 22 13 29 33-0007 EA 30" Diameter x 36" High, High Density Polyethylene (HDPE) Basin And Lid With Inlet And Hub 537.58
 22 13 29 33-0008 EA 36" Diameter x 36" High, High Density Polyethylene (HDPE) Basin And Lid With Inlet And Hub 623.44

22 13 29 33-0009 Fiberglass Basin (22 13 29 33-0001)

22 13 29 33-0010 EA 18" Diameter x 30" High Fiberglass Basin And Lid With Inlet And Hub 189.51
 22 13 29 33-0011 EA 24" Diameter x 30" High Fiberglass Basin And Lid With Inlet And Hub 356.66
 22 13 29 33-0012 EA 30" Diameter x 36" High Fiberglass Basin And Lid With Inlet And Hub 619.59
 22 13 29 33-0013 EA 36" Diameter x 36" High Fiberglass Basin And Lid With Inlet And Hub 823.38
 22 13 29 33-0014 EA 36" Diameter x 48" High Fiberglass Basin And Lid With Inlet And Hub 945.19
 22 13 29 33-0015 EA 36" Diameter x 60" High Fiberglass Basin And Lid With Inlet And Hub 998.54
 22 13 29 33-0016 EA 36" Diameter x 72" High Fiberglass Basin And Lid With Inlet And Hub 1,167.61
 22 13 29 33-0017 EA 48" Diameter x 48" High Fiberglass Basin And Lid With Inlet And Hub 1,353.39

22 14 Facility Storm Drainage (22 10)

22 14 13 Facility Storm Drainage Piping (22 14)

See CSI section 22 13 16 00-0000 for storm drainage piping.

22 14 26 Facility Storm Drains (22 14)

22 14 26 13 Roof Drains (22 14 26)

22 14 26 13-0001 Cast Iron Roof Drains (22 14 26 13)

22 14 26 13-0002 Cast Iron Roof Drains With Large Polypropylene Dome (22 14 26 13-0001)

Note: Dome free area is 124 square inches.

22 14 26 13-0003 EA 15" Diameter Cast Iron Roof Drain With 2" Outlet, 124 Square Inch Free Area Polypropylene Dome487.37 170.97
 For Galvanized Iron Parts, Add 197.00
 For Deck Clamp, Add 50.00
 For Bronze Dome, Add 170.50
 For Drain Receiver, Add 75.50
 For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add 136.00
 22 14 26 13-0004 EA 15" Diameter Cast Iron Roof Drain With 3" Outlet, 124 Square Inch Free Area Polypropylene Dome572.84 205.12
 For Galvanized Iron Parts, Add 197.00
 For Deck Clamp, Add 50.00
 For Bronze Dome, Add 170.50
 For Drain Receiver, Add 75.50
 For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add 136.00
 22 14 26 13-0005 EA 15" Diameter Cast Iron Roof Drain With 4" Outlet, 124 Square Inch Free Area Polypropylene Dome658.31 256.41
 For Galvanized Iron Parts, Add 197.00
 For Deck Clamp, Add 50.00
 For Bronze Dome, Add 170.50
 For Drain Receiver, Add 75.50
 For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add 136.00
 22 14 26 13-0006 EA 15" Diameter Cast Iron Roof Drain With 5" Outlet, 124 Square Inch Free Area Polypropylene Dome849.02 307.69
 For Galvanized Iron Parts, Add 197.00
 For Deck Clamp, Add 50.00
 For Bronze Dome, Add 170.50
 For Drain Receiver, Add 75.50
 For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add 136.00
 22 14 26 13-0007 EA 15" Diameter Cast Iron Roof Drain With 6" Outlet, 124 Square Inch Free Area Polypropylene Dome891.75 341.84
 For Galvanized Iron Parts, Add 197.00
 For Deck Clamp, Add 50.00
 For Bronze Dome, Add 170.50
 For Drain Receiver, Add 75.50
 For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add 136.00
 22 14 26 13-0008 EA 15" Diameter Cast Iron Roof Drain With 8" Outlet, 124 Square Inch Free Area Polypropylene Dome988.02 358.97
 For Galvanized Iron Parts, Add 197.00
 For Deck Clamp, Add 50.00
 For Bronze Dome, Add 170.50
 For Drain Receiver, Add 75.50
 For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add 136.00
 22 14 26 13-0009 EA 15" Diameter Cast Iron Roof Drain With 10" Outlet, 124 Square Inch Free Area Polypropylene Dome1,169.64 371.79
 For Galvanized Iron Parts, Add 197.00
 For Deck Clamp, Add 50.00
 For Bronze Dome, Add 170.50
 For Drain Receiver, Add 75.50
 For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add 136.00

22 14 26 13-0010 Cast Iron Roof Drains With Expansion Joint (22 14 26 13-0001)

Note: With polypropylene dome. Dome free area is 124 square inches.



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 14 26 13-0011 EA 15" Diameter Cast Iron Roof Drain With Expansion Joint, 2" Outlet, Polypropylene Dome	623.37	170.97
For Galvanized Iron Parts, Add	197.00	
For Deck Clamp, Add	50.00	
For Drain Receiver, Add	56.00	
For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add	136.00	
22 14 26 13-0012 EA 15" Diameter Cast Iron Roof Drain With Expansion Joint, 3" Outlet, Polypropylene Dome	718.34	205.12
For Galvanized Iron Parts, Add	197.00	
For Deck Clamp, Add	50.00	
For Drain Receiver, Add	56.00	
For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add	136.00	
22 14 26 13-0013 EA 15" Diameter Cast Iron Roof Drain With Expansion Joint, 4" Outlet, Polypropylene Dome	822.31	256.41
For Galvanized Iron Parts, Add	197.00	
For Deck Clamp, Add	50.00	
For Drain Receiver, Add	56.00	
For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add	136.00	
22 14 26 13-0014 EA 15" Diameter Cast Iron Roof Drain With Expansion Joint, 5" Outlet, Polypropylene Dome	1,087.52	307.69
For Galvanized Iron Parts, Add	197.00	
For Deck Clamp, Add	50.00	
For Drain Receiver, Add	56.00	
For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add	136.00	
22 14 26 13-0015 EA 15" Diameter Cast Iron Roof Drain With Expansion Joint, 6" Outlet, Polypropylene Dome	1,164.75	341.84
For Galvanized Iron Parts, Add	197.00	
For Deck Clamp, Add	50.00	
For Drain Receiver, Add	56.00	
For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add	136.00	
22 14 26 13-0016 Cast Iron Roof Drains With Flat Bronze Promenade Top (22 14 26 13-0001)		
22 14 26 13-0017 EA 14" x 14" Cast Iron Roof Drain With 2" Outlet, Bronze Promenade Top	757.37	170.97
For Galvanized Iron Parts, Add	197.00	
For Deck Clamp, Add	50.00	
For Drain Receiver, Add	75.50	
For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add	136.00	
22 14 26 13-0018 EA 14" x 14" Cast Iron Roof Drain With 3" Outlet, Bronze Promenade Top	842.84	205.12
For Galvanized Iron Parts, Add	197.00	
For Deck Clamp, Add	50.00	
For Drain Receiver, Add	75.50	
For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add	136.00	
22 14 26 13-0019 EA 14" x 14" Cast Iron Roof Drain With 4" Outlet, Bronze Promenade Top	928.31	256.41
For Galvanized Iron Parts, Add	197.00	
For Deck Clamp, Add	50.00	
For Drain Receiver, Add	75.50	
For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add	136.00	
22 14 26 13-0020 EA 14" x 14" Cast Iron Roof Drain With 5" Outlet, Bronze Promenade Top	1,115.02	307.69
For Galvanized Iron Parts, Add	197.00	
For Deck Clamp, Add	50.00	
For Drain Receiver, Add	75.50	
For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add	136.00	
22 14 26 13-0021 EA 14" x 14" Cast Iron Roof Drain With 6" Outlet, Bronze Promenade Top	1,157.75	341.84
For Galvanized Iron Parts, Add	197.00	
For Deck Clamp, Add	50.00	
For Drain Receiver, Add	75.50	
For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add	136.00	
22 14 26 13-0022 Cast Iron Scupper Drain With L-Shaped Bronze Grate (22 14 26 13-0001)		
22 14 26 13-0023 EA Cast Iron Scupper Drain With 2" Outlet, L-Shaped Bronze Grate	427.75	68.41
For Vandal Proof Grate, Add	11.00	
For Galvanized Iron Parts, Add	49.00	
22 14 26 13-0024 EA Cast Iron Scupper Drain With 3" Outlet, L-Shaped Bronze Grate	461.94	85.43
For Vandal Proof Grate, Add	11.00	
For Galvanized Iron Parts, Add	49.00	
22 14 26 13-0025 EA Cast Iron Scupper Drain With 4" Outlet, L-Shaped Bronze Grate	477.47	93.23
For Vandal Proof Grate, Add	11.00	
For Galvanized Iron Parts, Add	98.00	
22 14 26 13-0026 EA Cast Iron Scupper Drain With 5" Outlet, L-Shaped Bronze Grate	660.64	123.59
For Vandal Proof Grate, Add	11.00	
For Galvanized Iron Parts, Add	98.00	
22 14 26 13-0027 EA Cast Iron Scupper Drain With 6" Outlet, L-Shaped Bronze Grate	715.15	150.86
For Vandal Proof Grate, Add	11.00	
For Galvanized Iron Parts, Add	98.00	
22 14 26 13-0028 Cast Iron Roof Drain With Flat Cast Iron Grate (22 14 26 13-0001)		
Note: Grate free area is 27 square inches.		
22 14 26 13-0029 EA 9" x 9" Cast Iron Roof Drain With 2" Outlet, Cast Iron Promenade Top	510.37	170.97
For Galvanized Iron Parts, Add	55.00	
For Bronze Grate, Add	78.50	
For Deck Clamp, Add	31.00	
For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add	72.00	
22 14 26 13-0030 EA 9" x 9" Cast Iron Roof Drain With 3" Outlet, Cast Iron Promenade Top	595.84	205.12
For Galvanized Iron Parts, Add	55.00	
For Bronze Grate, Add	78.50	
For Deck Clamp, Add	31.00	
For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add	72.00	

22	Plumbing
22 10	Plumbing Piping
22 14	Facility Storm Drainage



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 14 26 13-0031 EA 9" x 9" Cast Iron Roof Drain With 4" Outlet, Cast Iron Promenade Top.....	681.31	256.41
For Galvanized Iron Parts, Add	55.00	
For Bronze Grate, Add	78.50	
For Deck Clamp, Add	31.00	
For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add	72.00	
22 14 26 13-0032 Cast Iron Roof Drains With Large Cast Iron Dome (22 14 26 13-0001)		
22 14 26 13-0033 EA 15" Diameter Cast Iron Roof Drain With 2" Outlet, Cast Iron Dome.....	530.37	170.97
For Galvanized Iron Parts, Add	197.00	
For Deck Clamp, Add	50.00	
For Drain Receiver, Add	56.00	
For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add	136.00	
22 14 26 13-0034 EA 15" Diameter Cast Iron Roof Drain With 3" Outlet, Cast Iron Dome.....	615.84	205.12
For Galvanized Iron Parts, Add	197.00	
For Deck Clamp, Add	50.00	
For Drain Receiver, Add	56.00	
For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add	136.00	
22 14 26 13-0035 EA 15" Diameter Cast Iron Roof Drain With 4" Outlet, Cast Iron Dome.....	701.31	256.41
For Galvanized Iron Parts, Add	197.00	
For Deck Clamp, Add	50.00	
For Drain Receiver, Add	56.00	
For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add	136.00	
22 14 26 13-0036 EA 15" Diameter Cast Iron Roof Drain With 5" Outlet, Cast Iron Dome.....	892.02	307.69
For Galvanized Iron Parts, Add	197.00	
For Deck Clamp, Add	50.00	
For Drain Receiver, Add	56.00	
For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add	136.00	
22 14 26 13-0037 EA 15" Diameter Cast Iron Roof Drain With 6" Outlet, Cast Iron Dome.....	934.75	341.84
For Galvanized Iron Parts, Add	197.00	
For Deck Clamp, Add	50.00	
For Drain Receiver, Add	56.00	
For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add	136.00	
22 14 26 13-0038 EA 15" Diameter Cast Iron Roof Drain With 8" Outlet, Cast Iron Dome.....	1,031.02	358.97
For Galvanized Iron Parts, Add	197.00	
For Deck Clamp, Add	50.00	
For Drain Receiver, Add	56.00	
For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add	136.00	
22 14 26 13-0039 EA 15" Diameter Cast Iron Roof Drain With 10" Outlet, Cast Iron Dome.....	1,212.64	371.79
For Galvanized Iron Parts, Add	197.00	
For Deck Clamp, Add	50.00	
For Drain Receiver, Add	56.00	
For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add	136.00	
22 14 26 13-0040 Aluminum Roof Drains (22 14 26 13)		
22 14 26 13-0041 Aluminum Dome Roof Drains (22 14 26 13-0040)		
22 14 26 13-0042 EA 15" Diameter Roof Drain With 2" Outlet, Aluminum Dome.....	537.87	170.97
For Galvanized Iron Parts, Add	197.00	
For Deck Clamp, Add	50.00	
For Drain Receiver, Add	56.00	
For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add	136.00	
22 14 26 13-0043 EA 15" Diameter Roof Drain With 3" Outlet, Aluminum Dome.....	623.34	205.12
For Galvanized Iron Parts, Add	197.00	
For Deck Clamp, Add	50.00	
For Drain Receiver, Add	56.00	
For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add	136.00	
22 14 26 13-0044 EA 15" Diameter Roof Drain With 4" Outlet, Aluminum Dome.....	708.81	256.41
For Galvanized Iron Parts, Add	197.00	
For Deck Clamp, Add	50.00	
For Drain Receiver, Add	56.00	
For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add	136.00	
22 14 26 13-0045 EA 15" Diameter Roof Drain With 6" Outlet, Aluminum Dome.....	942.25	341.53
For Galvanized Iron Parts, Add	197.00	
For Deck Clamp, Add	50.00	
For Drain Receiver, Add	56.00	
For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add	136.00	
22 14 26 13-0046 EA 15" Diameter Roof Drain With 8" Outlet, Aluminum Dome.....	1,038.72	358.97
For Galvanized Iron Parts, Add	197.00	
For Deck Clamp, Add	50.00	
For Drain Receiver, Add	56.00	
For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add	136.00	
22 14 26 13-0047 EA 15" Diameter Roof Drain With 10" Outlet, Aluminum Dome.....	1,220.14	371.79
For Galvanized Iron Parts, Add	197.00	
For Deck Clamp, Add	50.00	
For Drain Receiver, Add	56.00	
For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add	136.00	
22 14 26 13-0048 Retrofit Roof Drains (22 14 26 13)		
22 14 26 13-0049 Copolymer Retrofit Roof Drains With Copolymer Strainer Dome (22 14 26 13-0048)		
22 14 26 13-0050 EA Copolymer Retrofit 3" Roof Drains, With Copolymer Dome.....	622.95	205.12
22 14 26 13-0051 EA Copolymer Retrofit 4" Roof Drains, With Copolymer Dome.....	715.94	256.41



Plumbing	22
Plumbing Piping	22 10
Facility Storm Drainage	22 14

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 14 26 13-0052 EA Copolymer Retrofit 5" Roof Drains, With Copolymer Dome	874.25	307.69
22 14 26 13-0053 EA Copolymer Retrofit 6" Roof Drains, With Copolymer Dome	947.07	341.53
22 14 26 13-0054 Copolymer Retrofit Roof Drains With Cast Aluminum Strainer Dome (22 14 26 13-0048)		
22 14 26 13-0055 EA Copolymer Retrofit Drain, 3", With Cast Aluminum Dome	690.66	205.12
22 14 26 13-0056 EA Copolymer Retrofit Drain, 4", With Cast Aluminum Dome	780.65	256.41
22 14 26 13-0057 EA Copolymer Retrofit Drain, 5", With Cast Aluminum Dome	943.46	307.69
22 14 26 13-0058 EA Copolymer Retrofit Drain, 6", With Cast Aluminum Dome	995.22	341.53
22 14 26 13-0059 Aluminum Retrofit Roof Drains With Cast Aluminum Strainer Dome (22 14 26 13-0048)		
22 14 26 13-0060 EA Aluminum Retrofit 3" Roof Drains, With Cast Aluminum Dome	625.96	205.12
<i>For Copolymer Strainer Dome, Deduct</i>	-24.00	
22 14 26 13-0061 EA Aluminum Retrofit 4" Roof Drains, With Cast Aluminum Dome	718.95	256.41
<i>For Copolymer Strainer Dome, Deduct</i>	-24.00	
22 14 26 13-0062 EA Aluminum Retrofit 5" Roof Drains, With Cast Aluminum Dome	877.26	307.69
<i>For Copolymer Strainer Dome, Deduct</i>	-24.00	
22 14 26 13-0063 EA Aluminum Retrofit 6" Roof Drains, With Cast Aluminum Dome	926.01	341.53
<i>For Copolymer Strainer Dome, Deduct</i>	-24.00	
22 14 26 13-0064 Bronze Downspout Nozzles (22 14 26 13)		
22 14 26 13-0065 EA 2" Outlet, Bronze Roof Drain Downspout Nozzle.....	352.30	102.56
22 14 26 13-0066 EA 3" Outlet, Bronze Roof Drain Downspout Nozzle.....	352.30	102.56
22 14 26 13-0067 EA 4" Outlet, Bronze Roof Drain Downspout Nozzle.....	352.30	102.56
22 14 26 13-0068 EA 5" Outlet, Bronze Roof Drain Downspout Nozzle.....	521.41	128.21
22 14 26 13-0069 EA 6" Outlet, Bronze Roof Drain Downspout Nozzle.....	521.41	128.21
22 14 26 13-0070 EA 8" Outlet, Bronze Roof Drain Downspout Nozzle.....	644.78	128.21
22 14 26 16 Facility Area Drains (22 14 26)		
22 14 26 16-0001 Area Drain (22 14 26 16)		
22 14 26 16-0002 EA 12" x 12" Floor Drain With 2" Bottom Outlet, Nikaloy Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer	778.52	123.48
<i>For Ductile Iron Grate, Add</i>	123.50	
<i>For Vandal Proof Screws, Add</i>	29.50	
<i>For Primer Tap, Add</i>	36.00	
<i>For Galvanized Cast Iron Parts, Add</i>	101.50	
22 14 26 16-0003 EA 12" x 12" Floor Drain With 3" Bottom Outlet, Nikaloy Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer	805.14	136.82
<i>For Ductile Iron Grate, Add</i>	123.50	
<i>For Vandal Proof Screws, Add</i>	29.50	
<i>For Primer Tap, Add</i>	36.00	
<i>For Galvanized Cast Iron Parts, Add</i>	101.50	
22 14 26 16-0004 EA 12" x 12" Floor Drain With 4" Bottom Outlet, Nikaloy Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer	833.15	150.86
<i>For Ductile Iron Grate, Add</i>	123.50	
<i>For Vandal Proof Screws, Add</i>	29.50	
<i>For Primer Tap, Add</i>	36.00	
<i>For Galvanized Cast Iron Parts, Add</i>	101.50	
22 14 26 16-0005 EA 12" x 12" Floor Drain With 6" Bottom Outlet, Nikaloy Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer	862.34	165.43
<i>For Ductile Iron Grate, Add</i>	123.50	
<i>For Vandal Proof Screws, Add</i>	29.50	
<i>For Primer Tap, Add</i>	36.00	
<i>For Galvanized Cast Iron Parts, Add</i>	101.50	
22 14 26 16-0006 EA 12" x 12" Floor Drain With 2" Bottom Outlet, Cast Iron Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer	553.02	123.48
<i>For Ductile Iron Grate, Add</i>	123.50	
<i>For Vandal Proof Screws, Add</i>	29.50	
<i>For Primer Tap, Add</i>	36.00	
<i>For Galvanized Cast Iron Parts, Add</i>	101.50	
22 14 26 16-0007 EA 12" x 12" Floor Drain With 3" Bottom Outlet, Cast Iron Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer	579.64	136.82
<i>For Ductile Iron Grate, Add</i>	123.50	
<i>For Vandal Proof Screws, Add</i>	29.50	
<i>For Primer Tap, Add</i>	36.00	
<i>For Galvanized Cast Iron Parts, Add</i>	101.50	
22 14 26 16-0008 EA 12" x 12" Floor Drain With 4" Bottom Outlet, Cast Iron Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer	607.65	150.86
<i>For Ductile Iron Grate, Add</i>	123.50	
<i>For Vandal Proof Screws, Add</i>	29.50	
<i>For Primer Tap, Add</i>	36.00	
<i>For Galvanized Cast Iron Parts, Add</i>	101.50	
22 14 26 16-0009 EA 12" x 12" Floor Drain With 6" Bottom Outlet, Cast Iron Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer	636.84	165.43
<i>For Ductile Iron Grate, Add</i>	123.50	
<i>For Vandal Proof Screws, Add</i>	29.50	
<i>For Primer Tap, Add</i>	36.00	
<i>For Galvanized Cast Iron Parts, Add</i>	101.50	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 14 26 16-0010	EA		12" x 12" Floor Drain With 2" Bottom Outlet, Bronze Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer.....	739.52	123.48
			<i>For Ductile Iron Grate, Add</i>	123.50	
			<i>For Vandal Proof Screws, Add</i>	29.50	
			<i>For Primer Tap, Add</i>	36.00	
			<i>For Galvanized Cast Iron Parts, Add</i>	101.50	
22 14 26 16-0011	EA		12" x 12" Floor Drain With 3" Bottom Outlet, Bronze Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer.....	766.14	136.82
			<i>For Ductile Iron Grate, Add</i>	123.50	
			<i>For Vandal Proof Screws, Add</i>	29.50	
			<i>For Primer Tap, Add</i>	36.00	
			<i>For Galvanized Cast Iron Parts, Add</i>	101.50	
22 14 26 16-0012	EA		12" x 12" Floor Drain With 4" Bottom Outlet, Bronze Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer.....	794.15	150.86
			<i>For Ductile Iron Grate, Add</i>	123.50	
			<i>For Vandal Proof Screws, Add</i>	29.50	
			<i>For Primer Tap, Add</i>	36.00	
			<i>For Galvanized Cast Iron Parts, Add</i>	101.50	
22 14 26 16-0013	EA		12" x 12" Floor Drain With 6" Bottom Outlet, Bronze Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer.....	823.34	165.43
			<i>For Ductile Iron Grate, Add</i>	123.50	
			<i>For Vandal Proof Screws, Add</i>	29.50	
			<i>For Primer Tap, Add</i>	36.00	
			<i>For Galvanized Cast Iron Parts, Add</i>	101.50	
22 14 26 16-0014	EA		16" x 16" Floor Drain With 2" Bottom Outlet, Nikaloy Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer.....	1,374.52	123.48
			<i>For Ductile Iron Grate, Add</i>	123.50	
			<i>For Primer Tap, Add</i>	36.00	
			<i>For Galvanized Cast Iron Parts, Add</i>	258.50	
22 14 26 16-0015	EA		16" x 16" Floor Drain With 3" Bottom Outlet, Nikaloy Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer.....	1,401.14	136.82
			<i>For Ductile Iron Grate, Add</i>	123.50	
			<i>For Primer Tap, Add</i>	36.00	
			<i>For Galvanized Cast Iron Parts, Add</i>	258.50	
22 14 26 16-0016	EA		16" x 16" Floor Drain With 4" Bottom Outlet, Nikaloy Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer.....	1,429.15	150.86
			<i>For Ductile Iron Grate, Add</i>	123.50	
			<i>For Primer Tap, Add</i>	36.00	
			<i>For Galvanized Cast Iron Parts, Add</i>	258.50	
22 14 26 16-0017	EA		16" x 16" Floor Drain With 6" Bottom Outlet, Nikaloy Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer.....	1,458.34	165.43
			<i>For Ductile Iron Grate, Add</i>	123.50	
			<i>For Primer Tap, Add</i>	36.00	
			<i>For Galvanized Cast Iron Parts, Add</i>	258.50	
22 14 26 16-0018	EA		16" x 16" Floor Drain With 2" Bottom Outlet, Cast Iron Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer.....	769.52	123.48
			<i>For Ductile Iron Grate, Add</i>	123.50	
			<i>For Primer Tap, Add</i>	36.00	
			<i>For Galvanized Cast Iron Parts, Add</i>	258.50	
22 14 26 16-0019	EA		16" x 16" Floor Drain With 3" Bottom Outlet, Cast Iron Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer.....	796.14	136.82
			<i>For Ductile Iron Grate, Add</i>	123.50	
			<i>For Primer Tap, Add</i>	36.00	
			<i>For Galvanized Cast Iron Parts, Add</i>	258.50	
22 14 26 16-0020	EA		16" x 16" Floor Drain With 4" Bottom Outlet, Cast Iron Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer.....	824.15	150.86
			<i>For Ductile Iron Grate, Add</i>	123.50	
			<i>For Primer Tap, Add</i>	36.00	
			<i>For Galvanized Cast Iron Parts, Add</i>	258.50	
22 14 26 16-0021	EA		16" x 16" Floor Drain With 6" Bottom Outlet, Cast Iron Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer.....	853.34	165.43
			<i>For Ductile Iron Grate, Add</i>	123.50	
			<i>For Primer Tap, Add</i>	36.00	
			<i>For Galvanized Cast Iron Parts, Add</i>	258.50	
22 14 26 16-0022	EA		16" x 16" Floor Drain With 2" Bottom Outlet, Bronze Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer.....	1,313.02	123.48
			<i>For Ductile Iron Grate, Add</i>	123.50	
			<i>For Primer Tap, Add</i>	36.00	
			<i>For Galvanized Cast Iron Parts, Add</i>	258.50	
22 14 26 16-0023	EA		16" x 16" Floor Drain With 3" Bottom Outlet, Bronze Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer.....	1,339.64	136.82
			<i>For Ductile Iron Grate, Add</i>	123.50	
			<i>For Primer Tap, Add</i>	36.00	
			<i>For Galvanized Cast Iron Parts, Add</i>	258.50	
22 14 26 16-0024	EA		16" x 16" Floor Drain With 4" Bottom Outlet, Bronze Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer.....	1,367.65	150.86
			<i>For Ductile Iron Grate, Add</i>	123.50	
			<i>For Primer Tap, Add</i>	36.00	
			<i>For Galvanized Cast Iron Parts, Add</i>	258.50	
22 14 26 16-0025	EA		16" x 16" Floor Drain With 6" Bottom Outlet, Bronze Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer.....	1,396.84	165.43
			<i>For Ductile Iron Grate, Add</i>	123.50	
			<i>For Primer Tap, Add</i>	36.00	
			<i>For Galvanized Cast Iron Parts, Add</i>	258.50	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 14 26 16-0026	EA			9" Diameter Floor Drain With 2" Bottom Outlet, Nikaloy Top, Medium Duty Anti-Tilting Grate And Perimeter Drainage Slots.....	453.52	123.48
				<i>For Galvanized Cast Iron Parts, Add</i>	87.50	
				<i>For Vandal Proof Grate, Add</i>	30.50	
22 14 26 16-0027	EA			9" Diameter Floor Drain With 3" Bottom Outlet, Nikaloy Top, Medium Duty Anti-Tilting Grate And Perimeter Drainage Slots.....	480.14	136.82
				<i>For Galvanized Cast Iron Parts, Add</i>	87.50	
				<i>For Vandal Proof Grate, Add</i>	30.50	
22 14 26 16-0028	EA			9" Diameter Floor Drain With 4" Bottom Outlet, Nikaloy Top, Medium Duty Anti-Tilting Grate And Perimeter Drainage Slots.....	508.15	150.86
				<i>For Galvanized Cast Iron Parts, Add</i>	87.50	
				<i>For Vandal Proof Grate, Add</i>	30.50	
22 14 26 16-0029	EA			9" Diameter Floor Drain With 2" Bottom Outlet, Cast Iron Top, Medium Duty Anti-Tilting Grate And Perimeter Drainage Slots.....	350.52	123.48
				<i>For Galvanized Cast Iron Parts, Add</i>	87.50	
				<i>For Vandal Proof Grate, Add</i>	30.50	
22 14 26 16-0030	EA			9" Diameter Floor Drain With 3" Bottom Outlet, Cast Iron Top, Medium Duty Anti-Tilting Grate And Perimeter Drainage Slots.....	377.14	136.82
				<i>For Galvanized Cast Iron Parts, Add</i>	87.50	
				<i>For Vandal Proof Grate, Add</i>	30.50	
22 14 26 16-0031	EA			9" Diameter Floor Drain With 4" Bottom Outlet, Cast Iron Top, Medium Duty Anti-Tilting Grate And Perimeter Drainage Slots.....	405.15	150.86
				<i>For Galvanized Cast Iron Parts, Add</i>	87.50	
				<i>For Vandal Proof Grate, Add</i>	30.50	
22 14 26 16-0032	EA			9" Diameter Floor Drain With 2" Bottom Outlet, Bronze Top, Medium Duty Anti-Tilting Grate And Perimeter Drainage Slots.....	438.52	123.48
				<i>For Galvanized Cast Iron Parts, Add</i>	87.50	
				<i>For Vandal Proof Grate, Add</i>	30.50	
22 14 26 16-0033	EA			9" Diameter Floor Drain With 3" Bottom Outlet, Bronze Top, Medium Duty Anti-Tilting Grate And Perimeter Drainage Slots.....	465.14	136.82
				<i>For Galvanized Cast Iron Parts, Add</i>	87.50	
				<i>For Vandal Proof Grate, Add</i>	30.50	
22 14 26 16-0034	EA			9" Diameter Floor Drain With 4" Bottom Outlet, Bronze Top, Medium Duty Anti-Tilting Grate And Perimeter Drainage Slots.....	493.15	150.86
				<i>For Galvanized Cast Iron Parts, Add</i>	87.50	
				<i>For Vandal Proof Grate, Add</i>	30.50	
22 14 26 16-0035	EA			12-7/8" x 10-7/8" Floor Drain With 2" Side Outlet, Nikaloy Top, Heavy Duty Hinged Grate And Removable Medium-Deep Sediment Strainer.....	980.02	123.48
				<i>For Vandal Proof Screws, Add</i>	30.50	
				<i>For Ductile Iron Grate, Add</i>	126.00	
				<i>For Galvanized Cast Iron Parts, Add</i>	205.00	
22 14 26 16-0036	EA			12-7/8" x 10-7/8" Floor Drain With 3" Side Outlet, Nikaloy Top, Heavy Duty Hinged Grate And Removable Medium-Deep Sediment Strainer.....	1,006.64	136.82
				<i>For Vandal Proof Screws, Add</i>	30.50	
				<i>For Ductile Iron Grate, Add</i>	126.00	
				<i>For Galvanized Cast Iron Parts, Add</i>	205.00	
22 14 26 16-0037	EA			12-7/8" x 10-7/8" Floor Drain With 4" Side Outlet, Nikaloy Top, Heavy Duty Hinged Grate And Removable Medium-Deep Sediment Strainer.....	1,034.65	150.86
				<i>For Vandal Proof Screws, Add</i>	30.50	
				<i>For Ductile Iron Grate, Add</i>	126.00	
				<i>For Galvanized Cast Iron Parts, Add</i>	205.00	
22 14 26 16-0038	EA			12-7/8" x 10-7/8" Floor Drain With 2" Side Outlet, Cast Iron Top, Heavy Duty Hinged Grate And Removable Medium-Deep Sediment Strainer.....	704.52	123.48
				<i>For Vandal Proof Screws, Add</i>	30.50	
				<i>For Ductile Iron Grate, Add</i>	126.00	
				<i>For Galvanized Cast Iron Parts, Add</i>	205.00	
22 14 26 16-0039	EA			12-7/8" x 10-7/8" Floor Drain With 3" Side Outlet, Cast Iron Top, Heavy Duty Hinged Grate And Removable Medium-Deep Sediment Strainer.....	731.14	136.82
				<i>For Vandal Proof Screws, Add</i>	30.50	
				<i>For Ductile Iron Grate, Add</i>	126.00	
				<i>For Galvanized Cast Iron Parts, Add</i>	205.00	
22 14 26 16-0040	EA			12-7/8" x 10-7/8" Floor Drain With 4" Side Outlet, Cast Iron Top, Heavy Duty Hinged Grate And Removable Medium-Deep Sediment Strainer.....	759.15	150.86
				<i>For Vandal Proof Screws, Add</i>	30.50	
				<i>For Ductile Iron Grate, Add</i>	126.00	
				<i>For Galvanized Cast Iron Parts, Add</i>	205.00	
22 14 26 16-0041	EA			12-7/8" x 10-7/8" Floor Drain With 2" Side Outlet, Bronze Top, Heavy Duty Hinged Grate And Removable Medium-Deep Sediment Strainer.....	932.02	123.48
				<i>For Vandal Proof Screws, Add</i>	30.50	
				<i>For Ductile Iron Grate, Add</i>	126.00	
				<i>For Galvanized Cast Iron Parts, Add</i>	205.00	
22 14 26 16-0042	EA			12-7/8" x 10-7/8" Floor Drain With 3" Side Outlet, Bronze Top, Heavy Duty Hinged Grate And Removable Medium-Deep Sediment Strainer.....	958.64	136.82
				<i>For Vandal Proof Screws, Add</i>	30.50	
				<i>For Ductile Iron Grate, Add</i>	126.00	
				<i>For Galvanized Cast Iron Parts, Add</i>	205.00	
22 14 26 16-0043	EA			12-7/8" x 10-7/8" Floor Drain With 4" Side Outlet, Bronze Top, Heavy Duty Hinged Grate And Removable Medium-Deep Sediment Strainer.....	986.65	150.86
				<i>For Vandal Proof Screws, Add</i>	30.50	
				<i>For Ductile Iron Grate, Add</i>	126.00	
				<i>For Galvanized Cast Iron Parts, Add</i>	205.00	

22 14 26 19 Facility Trench Drains (22 14 26)

22 Plumbing

22 10 Plumbing Piping

22 14 Facility Storm Drainage



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 14 26 19-0001			Trench Drain <small>(22 14 26 19)</small> Note: Each section is 39.4" in length.		
22 14 26 19-0002	EA		6" Wide Trench Drain x 9" Outlet Section With 2" Bottom Outlet, Nikaloy Top, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots.....	665.36	123.48
			<i>For Vandal Proof Screws, Add</i>	48.50	
			<i>For Ductile Iron Grate, Add</i>	66.00	
			<i>For Galvanized Cast Iron Parts, Add</i>	65.50	
22 14 26 19-0003	EA		6" Wide Trench Drain x 9" Outlet Section With 3" Bottom Outlet, Nikaloy Top, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots.....	691.98	136.82
			<i>For Vandal Proof Screws, Add</i>	48.50	
			<i>For Ductile Iron Grate, Add</i>	66.00	
			<i>For Galvanized Cast Iron Parts, Add</i>	65.50	
22 14 26 19-0004	EA		6" Wide Trench Drain x 9" Outlet Section With 4" Bottom Outlet, Nikaloy Top, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots.....	719.99	150.86
			<i>For Vandal Proof Screws, Add</i>	48.50	
			<i>For Ductile Iron Grate, Add</i>	66.00	
			<i>For Galvanized Cast Iron Parts, Add</i>	65.50	
22 14 26 19-0005	EA		6" Wide Trench Drain x 9" Outlet Section With 2" Bottom Outlet, Cast Iron Top, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots.....	449.31	123.48
			<i>For Vandal Proof Screws, Add</i>	48.50	
			<i>For Ductile Iron Grate, Add</i>	66.00	
			<i>For Galvanized Cast Iron Parts, Add</i>	65.50	
22 14 26 19-0006	EA		6" Wide Trench Drain x 9" Outlet Section With 3" Bottom Outlet, Cast Iron Top, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots.....	475.93	136.82
			<i>For Vandal Proof Screws, Add</i>	48.50	
			<i>For Ductile Iron Grate, Add</i>	66.00	
			<i>For Galvanized Cast Iron Parts, Add</i>	65.50	
22 14 26 19-0007	EA		6" Wide Trench Drain x 9" Outlet Section With 4" Bottom Outlet, Cast Iron Top, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots.....	503.94	150.86
			<i>For Vandal Proof Screws, Add</i>	48.50	
			<i>For Ductile Iron Grate, Add</i>	66.00	
			<i>For Galvanized Cast Iron Parts, Add</i>	65.50	
22 14 26 19-0008	EA		6" Wide Trench Drain x 9" Outlet Section With 2" Bottom Outlet, Bronze Top, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots.....	635.92	123.48
			<i>For Vandal Proof Screws, Add</i>	48.50	
			<i>For Ductile Iron Grate, Add</i>	66.00	
			<i>For Galvanized Cast Iron Parts, Add</i>	65.50	
22 14 26 19-0009	EA		6" Wide Trench Drain x 9" Outlet Section With 3" Bottom Outlet, Bronze Top, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots.....	662.54	136.82
			<i>For Vandal Proof Screws, Add</i>	48.50	
			<i>For Ductile Iron Grate, Add</i>	66.00	
			<i>For Galvanized Cast Iron Parts, Add</i>	65.50	
22 14 26 19-0010	EA		6" Wide Trench Drain x 9" Outlet Section With 4" Bottom Outlet, Bronze Top, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots.....	690.55	150.86
			<i>For Vandal Proof Screws, Add</i>	48.50	
			<i>For Ductile Iron Grate, Add</i>	66.00	
			<i>For Galvanized Cast Iron Parts, Add</i>	65.50	
22 14 26 19-0011	EA		6" Wide Trench Drain x 15" Extension Section, Nikaloy Top, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots.....	541.34	61.53
			<i>For Vandal Proof Screws, Add</i>	48.50	
			<i>For Ductile Iron Grate, Add</i>	66.00	
			<i>For Galvanized Cast Iron Parts, Add</i>	65.50	
22 14 26 19-0012	EA		6" Wide Trench Drain x 15" Extension Section, Cast Iron Top, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots.....	325.29	61.53
			<i>For Vandal Proof Screws, Add</i>	48.50	
			<i>For Ductile Iron Grate, Add</i>	66.00	
			<i>For Galvanized Cast Iron Parts, Add</i>	65.50	
22 14 26 19-0013	EA		6" Wide Trench Drain x 15" Extension Section, Bronze Top, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots.....	511.90	61.53
			<i>For Vandal Proof Screws, Add</i>	48.50	
			<i>For Ductile Iron Grate, Add</i>	66.00	
			<i>For Galvanized Cast Iron Parts, Add</i>	65.50	
22 14 26 19-0014	EA		12" Wide Trench Drain x 15" Outlet Section With 3" Bottom Outlet, Nikaloy Top, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots.....	988.74	123.48
			<i>For Vandal Proof Screws, Add</i>	48.50	
			<i>For Ductile Iron Grate, Add</i>	181.50	
			<i>For Convex Grate On Cast Iron Or Ductile Price, Add</i>	38.50	
			<i>For Sediment Bucket, Add</i>	116.00	
			<i>For Galvanized Sediment Bucket, Add</i>	188.50	
			<i>For Galvanized Cast Iron Parts, Add</i>	131.50	
22 14 26 19-0015	EA		12" Wide Trench Drain x 15" Outlet Section With 4" Bottom Outlet, Nikaloy Top, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots.....	1,015.36	136.82
			<i>For Vandal Proof Screws, Add</i>	48.50	
			<i>For Ductile Iron Grate, Add</i>	181.50	
			<i>For Convex Grate On Cast Iron Or Ductile Price, Add</i>	38.50	
			<i>For Sediment Bucket, Add</i>	116.00	
			<i>For Galvanized Sediment Bucket, Add</i>	188.50	
			<i>For Galvanized Cast Iron Parts, Add</i>	131.50	
22 14 26 19-0016	EA		12" Wide Trench Drain x 15" Outlet Section With 6" Bottom Outlet, Nikaloy Top, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots.....	1,043.37	150.86
			<i>For Vandal Proof Screws, Add</i>	48.50	
			<i>For Ductile Iron Grate, Add</i>	181.50	
			<i>For Convex Grate On Cast Iron Or Ductile Price, Add</i>	38.50	
			<i>For Sediment Bucket, Add</i>	116.00	
			<i>For Galvanized Sediment Bucket, Add</i>	188.50	
			<i>For Galvanized Cast Iron Parts, Add</i>	131.50	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 14 26 19-0017	EA		12" Wide Trench Drain x 15" Outlet Section With 3" Bottom Outlet, Cast Iron Top, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots.....	721.40	123.48
			<i>For Vandal Proof Screws, Add</i>	48.50	
			<i>For Ductile Iron Grate, Add</i>	181.50	
			<i>For Convex Grate On Cast Iron Or Ductile Price, Add</i>	38.50	
			<i>For Sediment Bucket, Add</i>	116.00	
			<i>For Galvanized Sediment Bucket, Add</i>	188.50	
			<i>For Galvanized Cast Iron Parts, Add</i>	131.50	
22 14 26 19-0018	EA		12" Wide Trench Drain x 15" Outlet Section With 4" Bottom Outlet, Cast Iron Top, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots.....	748.02	136.82
			<i>For Vandal Proof Screws, Add</i>	48.50	
			<i>For Ductile Iron Grate, Add</i>	181.50	
			<i>For Convex Grate On Cast Iron Or Ductile Price, Add</i>	38.50	
			<i>For Sediment Bucket, Add</i>	116.00	
			<i>For Galvanized Sediment Bucket, Add</i>	188.50	
			<i>For Galvanized Cast Iron Parts, Add</i>	131.50	
22 14 26 19-0019	EA		12" Wide Trench Drain x 15" Outlet Section With 6" Bottom Outlet, Cast Iron Top, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots.....	776.03	150.86
			<i>For Vandal Proof Screws, Add</i>	48.50	
			<i>For Ductile Iron Grate, Add</i>	181.50	
			<i>For Convex Grate On Cast Iron Or Ductile Price, Add</i>	38.50	
			<i>For Sediment Bucket, Add</i>	116.00	
			<i>For Galvanized Sediment Bucket, Add</i>	188.50	
			<i>For Galvanized Cast Iron Parts, Add</i>	131.50	
22 14 26 19-0020	EA		12" Wide Trench Drain x 15" Outlet Section With 3" Bottom Outlet, Bronze Top, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots.....	952.17	123.48
			<i>For Vandal Proof Screws, Add</i>	48.50	
			<i>For Ductile Iron Grate, Add</i>	181.50	
			<i>For Convex Grate On Cast Iron Or Ductile Price, Add</i>	38.50	
			<i>For Sediment Bucket, Add</i>	116.00	
			<i>For Galvanized Sediment Bucket, Add</i>	188.50	
			<i>For Galvanized Cast Iron Parts, Add</i>	131.50	
22 14 26 19-0021	EA		12" Wide Trench Drain x 15" Outlet Section With 4" Bottom Outlet, Bronze Top, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots.....	978.79	136.82
			<i>For Vandal Proof Screws, Add</i>	48.50	
			<i>For Ductile Iron Grate, Add</i>	181.50	
			<i>For Convex Grate On Cast Iron Or Ductile Price, Add</i>	38.50	
			<i>For Sediment Bucket, Add</i>	116.00	
			<i>For Galvanized Sediment Bucket, Add</i>	188.50	
			<i>For Galvanized Cast Iron Parts, Add</i>	131.50	
22 14 26 19-0022	EA		12" Wide Trench Drain x 15" Outlet Section With 6" Bottom Outlet, Bronze Top, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots.....	1,006.80	150.86
			<i>For Vandal Proof Screws, Add</i>	48.50	
			<i>For Ductile Iron Grate, Add</i>	181.50	
			<i>For Convex Grate On Cast Iron Or Ductile Price, Add</i>	38.50	
			<i>For Sediment Bucket, Add</i>	116.00	
			<i>For Galvanized Sediment Bucket, Add</i>	188.50	
			<i>For Galvanized Cast Iron Parts, Add</i>	131.50	
22 14 26 19-0023	EA		12" Wide Trench Drain x 15" Outlet Section With 3" Bottom Outlet, Galvanized Top And Body, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots.....	846.28	123.48
			<i>For Vandal Proof Screws, Add</i>	48.50	
			<i>For Ductile Iron Grate, Add</i>	181.50	
			<i>For Convex Grate On Cast Iron Or Ductile Price, Add</i>	38.50	
			<i>For Sediment Bucket, Add</i>	116.00	
			<i>For Galvanized Sediment Bucket, Add</i>	188.50	
			<i>For Galvanized Cast Iron Parts, Add</i>	131.50	
22 14 26 19-0024	EA		12" Wide Trench Drain x 15" Outlet Section With 4" Bottom Outlet, Galvanized Top And Body, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots.....	872.90	136.82
			<i>For Vandal Proof Screws, Add</i>	48.50	
			<i>For Ductile Iron Grate, Add</i>	181.50	
			<i>For Convex Grate On Cast Iron Or Ductile Price, Add</i>	38.50	
			<i>For Sediment Bucket, Add</i>	116.00	
			<i>For Galvanized Sediment Bucket, Add</i>	188.50	
			<i>For Galvanized Cast Iron Parts, Add</i>	131.50	
22 14 26 19-0025	EA		12" Wide Trench Drain x 15" Outlet Section With 6" Bottom Outlet, Galvanized Top And Body, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots.....	900.91	150.86
			<i>For Vandal Proof Screws, Add</i>	48.50	
			<i>For Ductile Iron Grate, Add</i>	181.50	
			<i>For Convex Grate On Cast Iron Or Ductile Price, Add</i>	38.50	
			<i>For Sediment Bucket, Add</i>	116.00	
			<i>For Galvanized Sediment Bucket, Add</i>	188.50	
			<i>For Galvanized Cast Iron Parts, Add</i>	131.50	
22 14 26 19-0026	EA		12" Wide Trench Drain x 15" Extension Section, Nikaloy Top, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots.....	864.70	61.53
			<i>For Vandal Proof Screws, Add</i>	48.50	
			<i>For Ductile Iron Grate, Add</i>	181.50	
			<i>For Convex Grate On Cast Iron Or Ductile Price, Add</i>	38.50	
22 14 26 19-0027	EA		12" Wide Trench Drain x 15" Extension Section, Cast Iron Top, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots.....	597.36	61.53
			<i>For Vandal Proof Screws, Add</i>	48.50	
			<i>For Ductile Iron Grate, Add</i>	181.50	
			<i>For Convex Grate On Cast Iron Or Ductile Price, Add</i>	38.50	
22 14 26 19-0028	EA		12" Wide Trench Drain x 15" Extension Section, Bronze Top, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots.....	828.13	61.53
			<i>For Vandal Proof Screws, Add</i>	48.50	
			<i>For Ductile Iron Grate, Add</i>	181.50	
			<i>For Convex Grate On Cast Iron Or Ductile Price, Add</i>	38.50	

22	Plumbing
22 10	Plumbing Piping
22 14	Facility Storm Drainage



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 14 26 19-0029 EA 12" Wide Trench Drain x 15" Extension Section, Galvanized Top And Body, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots.....	722.24	61.53
For Vandal Proof Screws, Add	48.50	
For Ductile Iron Grate, Add	181.50	
For Convex Grate On Cast Iron Or Ductile Price, Add	38.50	
22 14 29 Sump Pumps (22 14)		
See CSI section 22 11 16 00-0000 for pipe extensions into well.		
22 14 29 13 Wet-Pit-Mounted, Vertical Sump Pumps (22 14 29)		
22 14 29 13-0001 Vertical Mounted Sump Pumps (22 14 29 13)		
Note: Mounted on steel support plate and supplied with cast iron strainer, 1750 RPM drip-proof motor, 5' column sections.		
22 14 29 13-0002 EA 1 HP Vertical Mounted Cast Iron Sump Pump, 1-1/2" Discharge, Single Stage, 25 GPM 40' Head.....	3,220.62	297.54
22 14 29 13-0003 EA 1-1/2 HP Vertical Mounted Cast Iron Sump Pump, 2" Discharge, Single Stage, 75 GPM 40' Head.....	3,474.19	360.14
22 14 29 13-0004 EA 2 HP Vertical Mounted Cast Iron Sump Pump, 2-1/2" Discharge, Single Stage, 100 GPM 40' Head.....	3,995.34	427.85
22 14 29 13-0005 EA 3 HP Vertical Mounted Cast Iron Sump Pump, 3" Discharge, Single Stage, 150 GPM 40' Head.....	4,367.76	526.35
22 14 29 13-0006 EA 5 HP Vertical Mounted Cast Iron Sump Pump, 3" Discharge, Single Stage, 200 GPM 40' Head.....	4,637.21	570.47
22 14 29 13-0007 EA 10 HP Vertical Mounted Cast Iron Sump Pump, 4" Discharge, Single Stage, 300 GPM 70' Head.....	5,511.42	684.36
22 14 29 13-0008 EA 15 HP Vertical Mounted Cast Iron Sump Pump, 5" Discharge, Single Stage, 500 GPM 70' Head.....	6,202.39	674.99
22 14 29 13-0009 EA 20 HP Vertical Mounted Cast Iron Sump Pump, 6" Discharge, Single Stage, 800 GPM 70' Head.....	7,514.64	798.02
22 14 29 13-0010 EA 30 HP Vertical Mounted Cast Iron Sump Pump, 6" Discharge, Single Stage, 1,000 GPM 70' Head.....	8,218.60	930.69
22 14 29 13-0011 EA 50 HP Vertical Mounted Cast Iron Sump Pump, 8" Discharge, Single Stage, 1,600 GPM 70' Head.....	10,834.54	1,117.23
22 14 29 13-0012 EA 60 HP Vertical Mounted Cast Iron Sump Pump, 8" Discharge, Single Stage, 2,000 GPM 70' Head.....	14,542.76	1,240.93
22 14 29 13-0013 Extra Column Assemblies (22 14 29 13)		
22 14 29 13-0014 EA 1-1/2" Diameter x 5' Long Extra Column Assembly.....	1,200.19	
22 14 29 13-0015 EA 2" Diameter x 5' Long Extra Column Assembly.....	1,313.28	
22 14 29 13-0016 EA 2-1/2" Diameter x 5' Long Extra Column Assembly.....	1,519.49	
22 14 29 13-0017 EA 3" Diameter x 5' Long Extra Column Assembly.....	1,725.45	
22 14 29 13-0018 EA 4" Diameter x 5' Long Extra Column Assembly.....	1,928.59	
22 14 29 13-0019 EA 5" Diameter x 5' Long Extra Column Assembly.....	2,109.88	
22 14 29 13-0020 EA 6" Diameter x 5' Long Extra Column Assembly.....	2,204.46	
22 14 29 13-0021 EA 8" Diameter x 5' Long Extra Column Assembly.....	2,412.20	
22 14 29 13-0022 Float Switch (22 14 29 13)		
22 14 29 13-0023 EA For Float Switch Copper Coated Float, General Purpose.....	1,355.68	32.31
22 14 29 13-0024 EA For Float Switch Copper Coated Float, Weatheright.....	1,420.89	32.31
22 14 29 13-0025 EA For Float Switch Copper Coated Float, Explosion Proof.....	1,450.98	32.31
22 14 29 13-0026 Support Plate (22 14 29 13)		
22 14 29 13-0027 EA 24" Steel Support Plate, Round Or Square.....	468.01	41.03
22 14 29 13-0028 EA 30" Steel Support Plate, Round Or Square.....	518.45	46.15
22 14 29 13-0029 EA 36" Steel Support Plate, Round Or Square.....	717.27	61.53
22 14 29 13-0030 EA 40" Steel Support Plate, Round Or Square.....	1,026.17	71.80
22 14 29 13-0031 EA 42" Steel Support Plate, Round Or Square.....	1,097.79	74.36
22 14 29 13-0032 EA 48" Steel Support Plate, Round Or Square.....	1,171.82	76.93
22 14 29 13-0033 EA 54" Steel Support Plate, Round Or Square.....	1,488.09	92.31
22 14 29 13-0034 EA 60" Steel Support Plate, Round Or Square.....	1,996.51	102.56
22 14 29 13-0035 EA 72" Steel Support Plate, Round Or Square.....	2,659.68	128.21
22 14 29 13-0036 EA 84" Steel Support Plate, Round Or Square.....	3,199.58	141.02
22 14 29 16 Submersible Sump Pumps (22 14 29)		
Note: Includes 25' of cord with pumps unless otherwise noted.		
22 14 29 16-0001 Submersible Sump Pump With Vortex Impeller (22 14 29 16)		
22 14 29 16-0002 Submersible Sump Pump With Cast Iron Vortex Impeller (22 14 29 16-0001)		
22 14 29 16-0003 EA 1/3 HP Manual Submersible Sump Pump, 115 Volt Or 230 Volt, 1 Phase, 1-1/2" Threaded Discharge, Epoxy-Coated Cast Steel Housing And Impeller.....	330.06	66.86
22 14 29 16-0004 EA 1/3 HP Automatic Submersible Sump Pump, 115 Volt Or 230 Volt, 1 Phase, 1-1/2" Threaded Discharge, Epoxy-Coated Cast Steel Housing And Impeller.....	358.95	66.86
22 14 29 16-0005 EA 1/2 HP Manual Submersible Sump Pump, 115 Volt Or 230 Volt, 1 Phase, 1-1/2" Threaded Discharge, Epoxy-Coated Cast Steel Housing And Impeller.....	497.00	70.76
22 14 29 16-0006 EA 1/2 HP Automatic Submersible Sump Pump, 115 Volt Or 230 Volt, 1 Phase, 1-1/2" Threaded Discharge, Epoxy-Coated Cast Steel Housing And Impeller.....	530.74	70.76
22 14 29 16-0007 Submersible Sump Pump With Bronze Vortex Impeller (22 14 29 16-0001)		
22 14 29 16-0008 EA 1/2 HP Manual Submersible Sump Pump, 115 Volt Or 230 Volt, 1 Phase, 1-1/2" Threaded or 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Bronze Impeller.....	750.87	70.76
22 14 29 16-0009 EA 1/2 HP Automatic Submersible Sump Pump, 115 Volt Or 230 Volt, 1 Phase, 1-1/2" Threaded or 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Bronze Impeller.....	809.06	70.76
22 14 29 16-0010 EA 1 HP Manual Submersible Sump Pump, 230 Volt, 1 Phase, 1-1/2" Threaded or 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Bronze Impeller.....	854.14	78.00
22 14 29 16-0011 EA 1 HP Automatic Submersible Sump Pump, 230 Volt, 1 Phase, 1-1/2" Threaded or 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Bronze Impeller.....	914.36	78.00



	MINOR CSI UOM DESCRIPTION		TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 14 29 16-0012	EA	1-1/2 HP Manual Submersible Sump Pump, 230 Volt, 1 Phase, 1-1/2" Threaded or 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Bronze Impeller.....	963.25	89.15
22 14 29 16-0013	EA	1-1/2 HP Automatic Submersible Sump Pump, 230 Volt, 1 Phase, 1-1/2" Threaded or 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Bronze Impeller.....	1,023.48	89.15
22 14 29 16-0014	EA	2 HP Manual Submersible Sump Pump, 230 Volt, 1 Phase, 1-1/2" Threaded or 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Bronze Impeller.....	1,047.71	105.86
22 14 29 16-0015	EA	2 HP Automatic Submersible Sump Pump, 230 Volt, 1 Phase, 1-1/2" Threaded or 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Bronze Impeller.....	1,097.35	105.86
22 14 29 16-0016		Submersible Sump Pump With Semi-Open Impeller <small>(22 14 29 16)</small>		
22 14 29 16-0017	EA	1/3 HP Manual Submersible Sump Pump, 115 Volt Or 230 Volt, 1 Phase, 2" Threaded Discharge, Epoxy-Coated Cast Steel Housing And Semi-Open Impeller.....	732.95	66.86
22 14 29 16-0018	EA	1/2 HP Manual Submersible Sump Pump, 115 Volt Or 230 Volt, 1 Phase, 2" Threaded Discharge, Epoxy-Coated Cast Steel Housing And Semi-Open Impeller.....	832.25	70.76
22 14 29 16-0019	EA	3/4 HP Manual Submersible Sump Pump, 230 Volt, 1 Or 3 Phase, 2" Threaded Discharge, Epoxy-Coated Cast Steel Housing And Semi-Open Impeller.....	982.43	74.66
22 14 29 16-0020	EA	1 HP Manual Submersible Sump Pump, 230 Volt, 1 Or 3 Phase, 2" Threaded Discharge, Epoxy-Coated Cast Steel Housing And Semi-Open Impeller.....	1,037.65	78.00
22 14 29 16-0021	EA	1-1/2 HP Manual Submersible Sump Pump, 230 Volt, 1 Or 3 Phase, 2" Threaded Discharge, Epoxy-Coated Cast Steel Housing And Semi-Open Impeller.....	1,183.83	89.15
22 14 29 16-0022	EA	2 HP Manual Submersible Sump Pump, 230 Volt, 1 Or 3 Phase, 2" Threaded Discharge, Epoxy-Coated Cast Steel Housing And Semi-Open Impeller.....	1,379.31	105.86
22 14 29 19		Sump-Pump Basins and Pits <small>(22 14 29)</small> See CSI section 22 13 29 33-0000 for basins and pits.		
22 15		General Service Compressed-Air Systems <small>(22 15)</small>		
22 15 13		General Service Compressed-Air Piping <small>(22 15)</small>		
22 15 13 00-0001		Quick Disconnect, Air-Service <small>(22 15 13)</small>		
22 15 13 00-0002		Combination Steel And Brass <small>(22 15 13 00-0001)</small>		
22 15 13 00-0003	EA	1/2" Combination Steel And Brass Disconnect Valve, Single Seated With Arm Ball And Bracket.....	47.06	15.60
22 15 13 00-0004	EA	3/4" Combination Steel And Brass Disconnect Valve, Single Seated With Arm Ball And Bracket.....	51.65	18.94
22 15 13 00-0005		Refrigerated Air Dryers With Ambient Air Filters <small>(22 15 13)</small>		
22 15 13 00-0006	EA	3 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters.....	587.82	84.61
22 15 13 00-0007	EA	5 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters.....	664.23	86.95
22 15 13 00-0008	EA	7.5 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters.....	836.27	89.31
22 15 13 00-0009	EA	10 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters.....	968.94	94.01
22 15 13 00-0010	EA	15 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters.....	1,078.49	105.76
22 15 13 00-0011	EA	20 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters.....	1,198.40	120.33
22 15 13 00-0012	EA	30 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters.....	1,690.36	152.76
22 15 13 00-0013	EA	40 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters.....	1,904.42	178.62
22 15 13 00-0014	EA	50 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters.....	2,068.76	190.84
22 15 13 00-0015	EA	60 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters.....	2,250.39	211.52
22 15 13 00-0016	EA	75 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters.....	2,532.98	235.03
22 15 13 00-0017	EA	85 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters.....	2,817.97	258.53
22 15 13 00-0018	EA	100 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters.....	2,972.65	286.73
22 15 13 00-0019	EA	125 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters.....	3,453.72	305.53
22 15 13 00-0020	EA	175 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters.....	4,137.36	317.28
22 15 13 00-0021	EA	200 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters.....	4,865.25	329.04
22 15 13 00-0022	EA	250 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters.....	5,395.34	340.78
22 15 13 00-0023	EA	300 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters.....	5,866.58	352.54
22 15 13 00-0024	EA	400 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters.....	6,548.62	376.04
22 15 13 00-0025	EA	500 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters.....	7,667.05	470.05
22 15 13 00-0026	EA	600 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters.....	9,682.39	564.06
22 15 13 00-0027	EA	800 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters.....	10,800.83	658.07
22 15 13 00-0028	EA	1,000 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters.....	12,697.79	752.09
22 15 13 00-0029		Oil And Water Separator For Air Compressor <small>(22 15 13)</small>		
22 15 13 00-0030	EA	0-60 SCFM Oil/Water Separator.....	495.97	35.67
22 15 13 00-0031	EA	85 SCFM Oil/Water Separator.....	707.86	41.80
22 15 13 00-0032	EA	190 SCFM Oil/Water Separator.....	826.63	47.38
22 15 13 00-0033	EA	245 SCFM Oil/Water Separator.....	1,035.89	55.73
22 15 13 00-0034	EA	320 SCFM Oil/Water Separator.....	1,231.60	66.88
22 15 13 00-0035	EA	700 SCFM Oil/Water Separator.....	2,485.10	139.34
22 15 13 00-0036		Heavy Duty Industrial Pressure Regulator <small>(22 15 13)</small>		
22 15 13 00-0037	EA	3/8" Pressure Regulator, Max 300 PSI Input, 2-125 PSI Output.....	100.66	28.20
22 15 13 00-0038	EA	1/2" Pressure Regulator, Max 300 PSI Input, 2-125 PSI Output.....	139.79	37.60
22 15 13 00-0039	EA	3/4" Pressure Regulator, Max 300 PSI Input, 2-125 PSI Output.....	231.30	47.01
22 15 13 00-0040	EA	1" Pressure Regulator, Max 300 PSI Input, 2-125 PSI Output.....	295.05	70.51
22 15 13 00-0041	EA	1-1/4" Pressure Regulator, Max 300 PSI Input, 2-125 PSI Output.....	405.30	82.25
22 15 13 00-0042	EA	1-1/2" Pressure Regulator, Max 300 PSI Input, 2-125 PSI Output.....	428.80	94.01

22 Plumbing**22 10 Plumbing Piping****22 15 General Service Compressed-Air Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 15 13 00-0043 Combination Air System; Filter Regulator Lubricator <small>(22 15 13)</small>		
22 15 13 00-0044 EA 3/8" Filter Regulator Lubricator, Max 150 PSI Input, 150 CFM, 40 Micron Filter.....	372.51	84.61
22 15 13 00-0045 EA 1/2" Filter Regulator Lubricator, Max 150 PSI Input, 150 CFM, 40 Micron Filter.....	464.80	112.81
22 15 13 00-0046 Heatless Desiccant Air Dryers <small>(22 15 13)</small>		
22 15 13 00-0047 EA 5 SCFM Heatless Desiccant Air Dryer.....	2,014.13	84.61
22 15 13 00-0048 EA 10 SCFM Heatless Desiccant Air Dryer.....	2,418.37	94.01
22 15 13 00-0049 EA 15 SCFM Heatless Desiccant Air Dryer.....	2,445.54	103.41
22 15 13 00-0050 EA 20 SCFM Heatless Desiccant Air Dryer.....	2,793.11	117.51
22 15 13 00-0051 EA 30 SCFM Heatless Desiccant Air Dryer.....	3,838.64	141.02
22 15 13 00-0052 EA 50 SCFM Heatless Desiccant Air Dryer.....	3,811.86	188.02
22 15 13 00-0053 EA 85 SCFM Heatless Desiccant Air Dryer.....	5,112.53	235.03
22 15 13 00-0054 EA 100 SCFM Heatless Desiccant Air Dryer.....	5,439.51	282.03
22 15 13 00-0055 EA 125 SCFM Heatless Desiccant Air Dryer.....	6,230.01	329.04
22 15 13 00-0056 EA 175 SCFM Heatless Desiccant Air Dryer.....	7,153.14	376.04
22 15 13 00-0057 EA 200 SCFM Heatless Desiccant Air Dryer.....	7,695.02	423.05
22 15 13 00-0058 EA 300 SCFM Heatless Desiccant Air Dryer.....	9,389.14	470.05
22 15 13 00-0059 EA 400 SCFM Heatless Desiccant Air Dryer.....	10,447.77	564.06
22 15 13 00-0060 EA 500 SCFM Heatless Desiccant Air Dryer.....	12,078.05	658.07
22 15 13 00-0061 EA 600 SCFM Heatless Desiccant Air Dryer.....	13,933.16	752.09
22 15 13 00-0062 Air Cooled Aftercoolers <small>(22 15 13)</small>		
22 15 13 00-0063 EA 20 SCFM Air-Cooled Aftercooler.....	524.14	58.75
22 15 13 00-0064 EA 35 SCFM Air-Cooled Aftercooler.....	704.29	70.51
22 15 13 00-0065 EA 43 SCFM Air-Cooled Aftercooler.....	775.62	82.25
22 15 13 00-0066 EA 70 SCFM Air-Cooled Aftercooler.....	945.02	94.01
22 15 13 00-0067 EA 125 SCFM Air-Cooled Aftercooler.....	1,305.76	105.76
22 15 13 00-0068 EA 185 SCFM Air-Cooled Aftercooler.....	1,465.61	117.51
22 15 13 00-0069 EA 260 SCFM Air-Cooled Aftercooler.....	2,801.07	141.02
22 15 13 00-0070 EA 365 SCFM Air-Cooled Aftercooler.....	2,935.62	164.52
22 15 13 00-0071 EA 560 SCFM Air-Cooled Aftercooler.....	3,069.21	188.02
22 15 13 00-0072 EA 650 SCFM Air-Cooled Aftercooler.....	3,595.53	211.52
22 15 13 00-0073 EA 750 SCFM Air-Cooled Aftercooler.....	3,932.42	235.03
22 15 13 00-0074 EA 900 SCFM Air-Cooled Aftercooler.....	4,504.67	258.53
22 15 13 00-0075 EA 1,100 SCFM Air-Cooled Aftercooler.....	5,761.92	282.03
22 15 13 00-0076 EA 1,460 SCFM Air-Cooled Aftercooler.....	6,583.39	305.53
22 15 13 00-0077 EA 1,800 SCFM Air-Cooled Aftercooler.....	6,803.80	329.04
22 15 13 00-0078 EA 2,500 SCFM Air-Cooled Aftercooler.....	7,295.68	352.54
22 15 13 00-0079 Compressed Air Coalescing Filters <small>(22 15 13)</small>		
22 15 13 00-0080 1.0 Micron Filter Rated Compressed Air Coalescing Filters <small>(22 15 13 00-0079)</small>		
22 15 13 00-0081 EA 10 SCFM, 3/8", Coalescing Filter, 1.0 Micron Filter Rating.....	192.04	36.23
22 15 13 00-0082 EA 20 SCFM, 3/8", Coalescing Filter, 1.0 Micron Filter Rating.....	225.53	36.23
22 15 13 00-0083 EA 50 SCFM, 1/2", Coalescing Filter, 1.0 Micron Filter Rating.....	247.44	41.80
22 15 13 00-0084 EA 75 SCFM, 3/4", Coalescing Filter, 1.0 Micron Filter Rating.....	284.81	47.93
22 15 13 00-0085 EA 100 SCFM, 3/4", Coalescing Filter, 1.0 Micron Filter Rating.....	330.72	52.95
22 15 13 00-0086 EA 140 SCFM, 1", Coalescing Filter, 1.0 Micron Filter Rating.....	376.93	64.09
22 15 13 00-0087 EA 175 SCFM, 1-1/4" Coalescing Filter, 1.0 Micron Filter Rating.....	450.71	69.66
22 15 13 00-0088 EA 250 SCFM, 1-1/2" Coalescing Filter, 1.0 Micron Filter Rating.....	492.48	83.60
22 15 13 00-0089 EA 280 SCFM, 2" Coalescing Filter, 1.0 Micron Filter Rating.....	634.32	111.46
22 15 13 00-0090 EA 350 SCFM, 2" Coalescing Filter, 1.0 Micron Filter Rating.....	724.38	125.40
22 15 13 00-0091 0.01 Micron Filter Rated Compressed Air Coalescing Filters <small>(22 15 13 00-0079)</small>		
22 15 13 00-0092 EA 16 SCFM, 3/8" Coalescing Filter, 0.01 Micron Filter Rating.....	230.32	36.23
22 15 13 00-0093 EA 30 SCFM, 1/2" Coalescing Filter, 0.01 Micron Filter Rating.....	251.02	41.80
22 15 13 00-0094 EA 60 SCFM, 3/4" Coalescing Filter, 0.01 Micron Filter Rating.....	288.16	47.93
22 15 13 00-0095 EA 100 SCFM, 1" Coalescing Filter, 0.01 Micron Filter Rating.....	337.42	47.38
22 15 13 00-0096 EA 140 SCFM, 1-1/4" Coalescing Filter, 0.01 Micron Filter Rating.....	384.58	64.09
22 15 13 00-0097 EA 180 SCFM, 1-1/4" Coalescing Filter, 0.01 Micron Filter Rating.....	434.73	69.66
22 15 13 00-0098 EA 250 SCFM, 1-1/2" Coalescing Filter, 0.01 Micron Filter Rating.....	501.10	83.60
22 15 13 00-0099 EA 280 SCFM, 2" Coalescing Filter, 0.01 Micron Filter Rating.....	648.67	111.46
22 15 13 00-0100 EA 350 SCFM, 2" Coalescing Filter, 0.01 Micron Filter Rating.....	743.51	125.40
22 15 13 00-0101 Compressed Air Storage Tanks <small>(22 15 13)</small>		
22 15 13 00-0102 Horizontal Compressed Air Storage Tanks <small>(22 15 13 00-0101)</small>		
22 15 13 00-0103 EA 12 Gallon Horizontal Compressed Air Storage Tank, ASME.....	317.85	75.21
22 15 13 00-0104 EA 15 Gallon Horizontal Compressed Air Storage Tank, ASME.....	410.31	82.25
22 15 13 00-0105 EA 20 Gallon Horizontal Compressed Air Storage Tank, ASME.....	434.13	86.49
22 15 13 00-0106 EA 30 Gallon Horizontal Compressed Air Storage Tank, ASME.....	490.80	94.01
22 15 13 00-0107 EA 60 Gallon Horizontal Compressed Air Storage Tank, ASME.....	644.49	126.91
22 15 13 00-0108 EA 80 Gallon Horizontal Compressed Air Storage Tank, ASME.....	767.00	141.02



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 15 13 00-0109 EA 120 Gallon Horizontal Compressed Air Storage Tank, ASME	1,108.05	164.52
22 15 13 00-0110 EA 200 Gallon Horizontal Compressed Air Storage Tank, ASME	1,600.54	188.02
22 15 13 00-0111 EA 240 Gallon Horizontal Compressed Air Storage Tank, ASME	1,775.53	199.77
22 15 13 00-0112 EA 325 Gallon Horizontal Compressed Air Storage Tank, ASME	2,496.91	211.52
22 15 13 00-0113 EA 400 Gallon Horizontal Compressed Air Storage Tank, ASME	3,260.84	246.77
22 15 13 00-0114 EA 660 Gallon Horizontal Compressed Air Storage Tank, ASME	4,635.46	293.78
22 15 13 00-0115 Vertical Compressed Air Storage Tanks (22 15 13 00-0101)		
22 15 13 00-0116 EA 10 Gallon Vertical Compressed Air Storage Tank, ASME	380.85	75.21
22 15 13 00-0117 EA 15 Gallon Vertical Compressed Air Storage Tank, ASME	402.63	82.25
22 15 13 00-0118 EA 20 Gallon Vertical Compressed Air Storage Tank, ASME	434.13	86.49
22 15 13 00-0119 EA 30 Gallon Vertical Compressed Air Storage Tank, ASME	506.01	94.01
22 15 13 00-0120 EA 60 Gallon Vertical Compressed Air Storage Tank, ASME	690.11	126.91
22 15 13 00-0121 EA 80 Gallon Vertical Compressed Air Storage Tank, ASME	788.98	141.02
22 15 13 00-0122 EA 120 Gallon Vertical Compressed Air Storage Tank, ASME	1,060.27	164.52
22 15 13 00-0123 EA 200 Gallon Vertical Compressed Air Storage Tank, ASME	1,502.07	188.02
22 15 13 00-0124 EA 240 Gallon Vertical Compressed Air Storage Tank, ASME	1,650.02	199.77
22 15 13 00-0125 EA 325 Gallon Vertical Compressed Air Storage Tank, ASME	2,189.68	211.52
22 15 13 00-0126 EA 400 Gallon Vertical Compressed Air Storage Tank, ASME	2,784.03	246.77
22 15 13 00-0127 EA 500 Gallon Vertical Compressed Air Storage Tank, ASME	3,583.77	270.28
22 15 13 00-0128 EA 660 Gallon Vertical Compressed Air Storage Tank, ASME	5,826.47	305.53
22 15 19 General Service Packaged Air Compressors And Receivers (22 15)		
Note: Includes V-belt drive, receiver, motor, starter mounted and wired. Excludes piping, pressure reducing valve station, or air dryer.		
22 15 19 13 General Service Packaged Reciprocating Air Compressors (22 15 19)		
22 15 19 13-0001 Single Stage Compressor (22 15 19 13)		
Note: Includes receiver, reciprocating air cooled, 140 PSIG working pressure, splash lubricated, tank mounted.		
22 15 19 13-0002 EA 1/2 HP 1-Stage Air Compressor, 1.5 ACFM Air Cooled With 30 Gallon Receiver, 140 PSIG Working Pressure	1,593.18	333.55
22 15 19 13-0003 EA 3/4 HP 1-Stage Air Compressor, 2.0 ACFM Air Cooled With 30 Gallon Receiver, 140 PSIG Working Pressure	1,691.84	384.97
22 15 19 13-0004 EA 1 HP 1-Stage Air Compressor, 2.5 ACFM Air Cooled With 30 Gallon Receiver, 140 PSIG Working Pressure	1,942.00	454.63
22 15 19 13-0005 EA 2 HP 1-Stage Air Compressor, Air Cooled With 30 Gallon Receiver, 140 PSIG Working Pressure	2,200.32	501.64
22 15 19 13-0006 EA 3 HP 1-Stage Air Compressor, Air Cooled With 30 Gallon Receiver, 140 PSIG Working Pressure	2,628.90	529.84
22 15 19 13-0007 EA 3 HP 1-Stage Air Compressor, Air Cooled With 60 Gallon Receiver, 140 PSIG Working Pressure	2,795.83	548.64
22 15 19 13-0008 EA 5 HP 1-Stage Air Compressor, Air Cooled With 60 Gallon Receiver, 140 PSIG Working Pressure	3,147.74	627.05
22 15 19 13-0009 EA 5 HP 1-Stage Air Compressor, Air Cooled With 80 Gallon Receiver, 140 PSIG Working Pressure	3,370.33	664.66
22 15 19 13-0010 EA 7.5 HP 1-Stage Air Compressor, Air Cooled With 80 Gallon Receiver, 140 PSIG Working Pressure	4,010.12	752.46
22 15 19 13-0011 Two Stage Compressor (22 15 19 13)		
Note: With receiver, reciprocating air cooled, discharge pressure 80-200 PSIG, receiver capacity as noted, splash lubricated, tank mounted.		
22 15 19 13-0012 EA 1-1/2 HP 2-Stage Air Compressor, 60 Gallon Receiver, 5.0 ACFM, 80-200 PSIG Discharge Pressure	3,007.77	586.25
22 15 19 13-0013 EA 2 HP 2-Stage Air Compressor, 60 Gallon Receiver, 7.0 ACFM, 80-200 PSIG Discharge Pressure	3,273.98	689.75
22 15 19 13-0014 EA 3 HP 2-Stage Air Compressor, 60 Gallon Receiver, 12 ACFM, 80-200 PSIG Discharge Pressure	3,445.65	752.46
22 15 19 13-0015 EA 5 HP 2-Stage Air Compressor, 80 Gallon Receiver, 15 ACFM, 80-200 PSIG Discharge Pressure	4,042.21	1,003.28
22 15 19 13-0016 EA 5 HP 2-Stage Air Compressor, 120 Gallon Receiver, 16.5 ACFM, 80-200 PSI Max Discharge Pressure	4,299.33	1,003.28
22 15 19 13-0017 EA 7.5 HP 2-Stage Air Compressor, 80 Gallon Receiver, 19.8 ACFM, 80-200 PSIG Discharge Pressure	4,747.97	1,254.10
22 15 19 13-0018 EA 7.5 HP 2-Stage Air Compressor, 120 Gallon Receiver, 25.6 ACFM, 80-200 PSI Max Discharge Pressure	4,981.17	1,254.10
22 15 19 13-0019 EA 10 HP 2-Stage Air Compressor, 80 Gallon Receiver, 35.0 ACFM, 80-200 PSI Max Discharge Pressure	6,356.52	1,551.17
22 15 19 13-0020 EA 10 HP 2-Stage Air Compressor, 120 Gallon Receiver, 38 ACFM, 80-200 PSIG Discharge Pressure	6,866.10	1,598.17
22 15 19 13-0021 EA 15 HP 2-Stage Air Compressor, 120 Gallon Receiver, 50 ACFM, 80-200 PSIG Discharge Pressure	7,405.72	1,867.79
22 15 19 13-0022 EA 20 HP 2-Stage Air Compressor, 120 Gallon Receiver, 70 ACFM, 80-200 PSIG Discharge Pressure	10,640.70	2,114.29
22 15 19 13-0023 EA 25 HP 2-Stage Air Compressor, 120 Gallon Receiver, 84.4 ACFM, 175 PSI Max Discharge Pressure	11,518.70	2,389.09
22 15 19 13-0024 EA 30 HP 2-Stage Air Compressor, 120 Gallon Receiver, 97.2 ACFM, 175 PSI Max Discharge Pressure	12,820.67	2,640.47
22 15 19 13-0025 EA 30 HP 2-Stage Air Compressor, 250 Gallon Receiver, 101 ACFM, 175 PSI Max Discharge Pressure	13,963.27	2,893.83
22 15 19 19 General Service Packaged Rotary-Screw Air Compressors (22 15 19)		
22 15 19 19-0001 Rotary Screw Air Compressor, Base Mounted Without Receiver (22 15 19 19)		
Note: Oil flooded.		
22 15 19 19-0002 EA 3 HP, 8.5 SCFM, Rotary Screw Air Compressor With Enclosure, 150 PSIG Max Discharge Pressure, Lubricated	5,090.31	889.49
22 15 19 19-0003 EA 5 HP, 16.6 SCFM, Rotary Screw Air Compressor With Enclosure, 150 PSIG Max Discharge Pressure, Lubricated	5,829.18	1,185.99
22 15 19 19-0004 EA 7.5 HP, 27 SCFM, Rotary Screw Air Compressor With Enclosure, 125 PSIG Max Discharge Pressure, Lubricated	8,444.63	1,486.95
22 15 19 19-0005 EA 10 HP, 37 SCFM, Rotary Screw Air Compressor With Enclosure, 125 PSIG Max Discharge Pressure, Lubricated	8,774.75	1,894.91
22 15 19 19-0006 EA 15 HP, 56 SCFM, Rotary Screw Air Compressor With Enclosure, 125 PSIG Max Discharge Pressure, Lubricated	10,054.13	2,229.31
22 15 19 19-0007 EA 20 HP, 79 SCFM, Rotary Screw Air Compressor With Enclosure, 125 PSIG Max Discharge Pressure, Lubricated	12,063.03	2,507.98
22 15 19 19-0008 EA 25 HP, 114 SCFM, Rotary Screw Air Compressor With Enclosure, 125 PSIG Max Discharge Pressure, Lubricated	13,262.31	2,786.64
22 15 19 19-0009 EA 30 HP, 137 SCFM, Rotary Screw Air Compressor With Enclosure, 125 PSIG Max Discharge Pressure, Lubricated	15,740.03	3,121.03
22 15 19 19-0010 EA 40 HP, 183 SCFM, Rotary Screw Air Compressor With Enclosure, 125 PSIG Max Discharge Pressure, Lubricated	17,235.62	3,343.96
22 15 19 19-0011 EA 50 HP, 214 SCFM, Rotary Screw Air Compressor With Enclosure, 125 PSIG Max Discharge Pressure, Lubricated	19,233.12	3,603.68
22 15 19 19-0012 EA 60 HP, 256 SCFM Rotary Screw Air Compressor With Enclosure, 125 PSIG Max Discharge Pressure, Lubricated	24,379.41	3,901.30
22 15 19 19-0013 EA 75 HP, 320 SCFM Rotary Screw Air Compressor With Enclosure, 125 PSIG Max Discharge Pressure, Lubricated	26,897.48	4,124.23
22 15 19 19-0014 EA 100 HP, 494 SCFM Rotary Screw Air Compressor With Enclosure, 100 PSIG Max Discharge Pressure, Lubricated	41,570.04	4,458.62
22 15 19 19-0015 EA 125 HP, 592 SCFM Rotary Screw Air Compressor With Enclosure, 100 PSIG Max Discharge Pressure, Lubricated	51,304.53	4,820.89

22 Plumbing**22 10 Plumbing Piping****22 15 General Service Compressed-Air Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 15 19 19-0016 EA 150 HP, 695 SCFM Rotary Screw Air Compressor With Enclosure, 100 PSIG Max Discharge Pressure, Lubricated.....	59,284.95	5,188.72
22 15 19 19-0017 EA 220 HP, 996 SCFM Rotary Screw Air Compressor With Enclosure, 100 PSIG Max Discharge Pressure, Lubricated.....	76,227.54	5,573.28
22 15 19 19-0018 EA 250 HP, 1,000 SCFM Rotary Screw Air Compressor With Enclosure, 125 PSIG Max Discharge Pressure, Lubricated.....	86,311.10	5,929.96
22 15 19 19-0019 Rotary Screw Air Compressor, Base Mounted With Receiver <small>(22 15 19 19)</small> Note: Includes receiver, motor, starter mounted and wired. Excludes piping, pressure reducing valve station, or air dryer.		
22 15 19 19-0020 EA 5 HP, 18.5 SCFM, 80 Gallon Receiver, Rotary Screw Air Compressor, 150 PSIG Max Discharge Pressure, Lubricated.....	6,411.58	1,185.99
22 15 19 19-0021 EA 5 HP, 18.5 SCFM, 120 Gallon Receiver, Rotary Screw Air Compressor, 150 PSIG Max Discharge Pressure, Lubricated.....	6,756.00	1,185.99
22 15 19 19-0022 EA 7.5 HP, 28 SCFM, 80 Gallon Receiver, Rotary Screw Air Compressor, 125 PSIG Max Discharge Pressure, Lubricated.....	7,718.49	1,486.95
22 15 19 19-0023 EA 7.5 HP, 28 SCFM, 120 Gallon Receiver, Rotary Screw Air Compressor, 125 PSIG Max Discharge Pressure, Lubricated.....	8,095.20	1,486.95
22 15 19 19-0024 EA 10 HP, 38 SCFM, 80 Gallon Receiver, Rotary Screw Air Compressor, 125 PSIG Max Discharge Pressure, Lubricated.....	8,925.44	1,894.91
22 15 19 19-0025 EA 10 HP, 38 SCFM, 120 Gallon Receiver, Rotary Screw Air Compressor, 125 PSIG Max Discharge Pressure, Lubricated.....	9,323.67	1,894.91
22 15 19 19-0026 EA 15 HP, 55 SCFM, 80 Gallon Receiver, Rotary Screw Air Compressor, 125 PSIG Max Discharge Pressure, Lubricated.....	10,178.51	2,229.31
22 15 19 19-0027 EA 15 HP, 55 SCFM, 120 Gallon Receiver, Rotary Screw Air Compressor, 125 PSIG Max Discharge Pressure, Lubricated.....	10,609.03	2,229.31
22 15 19 19-0028 EA 20 HP, 75 SCFM, 120 Gallon Receiver, Rotary Screw Air Compressor, 125 PSIG Max Discharge Pressure, Lubricated.....	16,597.88	2,507.98
22 15 19 19-0029 EA 25 HP, 102 SCFM, 120 gallon receiver, Rotary Screw Air Compressor, 125 PSIG Max Discharge Pressure, Lubricated.....	17,958.61	2,786.64
22 15 19 19-0030 EA 30 HP, 125 SCFM, 120 Gallon Receiver, Rotary Screw Air Compressor, 125 PSIG Max Discharge Pressure, Lubricated.....	19,211.72	3,121.03

22 30 Plumbing Equipment (22)**22 31 Domestic Water Softeners** (22 30)**22 31 13 Residential Domestic Water Softeners** (22 31)

See CSI section 11 30 13 13-0106 for residential water softener.

22 31 16 Commercial Domestic Water Softeners (22 31)**22 31 16 00-0001 Commercial Water Softeners (Watts Pure Water)** (22 31 16)**22 31 16 00-0002 Commercial Water Softeners (Watts Pure Water)** (22 31 16 00-0001)**22 31 16 00-0003 1" Pipe Connection, Commercial Water Softeners (Watts Pure Water)** (22 31 16 00-0002)

Note: Includes corrosion resistant NSF Certified fiberglass mineral and brine tanks and fully automatic metered demand control valve.

22 31 16 00-0004 EA 30,000 Grain Capacity, 1" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS10111A11)	2,825.69	282.05
22 31 16 00-0005 EA 45,000 Grain Capacity, 1" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS10111B11)	2,953.64	294.86
22 31 16 00-0006 EA 60,000 Grain Capacity, 1" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS10111C11)	3,180.57	307.69
22 31 16 00-0007 EA 90,000 Grain Capacity, 1" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS10111D11)	3,637.42	320.51
22 31 16 00-0008 EA 120,000 Grain Capacity, 1" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS10111E11)	3,870.95	333.33

22 31 16 00-0009 1-1/2" Pipe Connection, Commercial Water Softeners (Watts Pure Water) (22 31 16 00-0002)

Note: Includes corrosion resistant NSF Certified fiberglass mineral and brine tanks and fully automatic metered demand control valve.

22 31 16 00-0010 EA 60,000 Grain Capacity, 1-1/2" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS15121C11)	4,151.87	307.69
22 31 16 00-0011 EA 90,000 Grain Capacity, 1-1/2" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS15121D11)	4,364.52	320.51
22 31 16 00-0012 EA 120,000 Grain Capacity, 1-1/2" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS15121E11)	4,599.15	333.33
22 31 16 00-0013 EA 150,000 Grain Capacity, 1-1/2" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS15121F11)	5,430.00	346.14
22 31 16 00-0014 EA 210,000 Grain Capacity, 1-1/2" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS15121G11)	6,017.73	358.97
22 31 16 00-0015 EA 300,000 Grain Capacity, 1-1/2" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS15121H11)	7,280.88	371.79

22 31 16 00-0016 2" Pipe Connection, Commercial Water Softeners (Watts Pure Water) (22 31 16 00-0002)

Note: Includes corrosion resistant NSF Certified fiberglass mineral and brine tanks and fully automatic metered demand control valve.



Plumbing	22
Plumbing Equipment	22 30
Domestic Water Softeners	22 31

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 31 16 00-0017 EA 90,000 Grain Capacity, 2" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS20131D11).....	6,201.52	320.51
22 31 16 00-0018 EA 120,000 Grain Capacity, 2" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS20131E11).....	6,428.45	333.33
22 31 16 00-0019 EA 150,000 Grain Capacity, 2" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS20131F11).....	7,261.50	346.14
22 31 16 00-0020 EA 210,000 Grain Capacity, 2" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS20131G11).....	7,849.23	358.97
22 31 16 00-0021 EA 300,000 Grain Capacity, 2" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS20131H11).....	9,180.58	371.79
22 31 16 00-0022 EA 450,000 Grain Capacity, 2" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS20131I11).....	12,034.32	384.61
22 31 16 00-0023 EA 600,000 Grain Capacity, 2" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS20131J11).....	14,041.06	397.43
22 31 16 00-0024 3" Pipe Connection, Commercial Water Softeners (Watts Pure Water) (22 31 16 00-0002) Note: Includes corrosion resistant NSF Certified fiberglass mineral and brine tanks and fully automatic metered demand control valve.		
22 31 16 00-0025 EA 300,000 Grain Capacity, 3" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS30151H11).....	14,706.98	371.79
22 31 16 00-0026 EA 450,000 Grain Capacity, 3" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS30151I11).....	16,959.02	384.61
22 31 16 00-0027 EA 600,000 Grain Capacity, 3" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS30151J11).....	18,939.36	397.43
22 31 16 00-0028 EA 900,000 Grain Capacity, 3" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS30151K11).....	23,781.90	410.25
22 31 16 00-0029 EA 1050,000 Grain Capacity, 3" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS30151L11).....	26,311.14	423.07
22 31 16 00-0030 Duplex Alternating (Two Valves), Commercial Water Softeners (Watts Pure Water) (22 31 16 00-0001)		
22 31 16 00-0031 2" Pipe Connection, Duplex Alternating (Two Valves), Commercial Water Softeners (Watts Pure Water) (22 31 16 00-0030) Note: Includes corrosion resistant NSF Certified fiberglass mineral and brine tanks and two fully automatic metered demand control valves.		
22 31 16 00-0032 EA 90,000 Grain Capacity, 2" Pipe Connection, Duplex Alternating (Two Valves), Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS20131D21).....	10,146.53	480.76
22 31 16 00-0033 EA 120,000 Grain Capacity, 2" Pipe Connection, Duplex Alternating (Two Valves), Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS20131E21).....	10,595.29	499.99
22 31 16 00-0034 EA 150,000 Grain Capacity, 2" Pipe Connection, Duplex Alternating (Two Valves), Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS20131F21).....	12,029.64	519.23
22 31 16 00-0035 EA 210,000 Grain Capacity, 2" Pipe Connection, Duplex Alternating (Two Valves), Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS20131G21).....	13,131.80	538.46
22 31 16 00-0036 EA 300,000 Grain Capacity, 2" Pipe Connection, Duplex Alternating (Two Valves), Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS20131H21).....	15,959.87	557.68
22 31 16 00-0037 EA 450,000 Grain Capacity, 2" Pipe Connection, Duplex Alternating (Two Valves), Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS20131I21).....	21,029.73	576.91
22 31 16 00-0038 EA 600,000 Grain Capacity, 2" Pipe Connection, Duplex Alternating (Two Valves), Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS20131J21).....	24,693.79	596.14
22 31 16 00-0039 3" Pipe Connection, Duplex Alternating (Two Valves), Commercial Water Softeners (Watts Pure Water) (22 31 16 00-0030) Note: Includes corrosion resistant NSF Certified fiberglass mineral and brine tanks and two fully automatic metered demand control valves.		
22 31 16 00-0040 EA 300,000 Grain Capacity, 3" Pipe Connection, Duplex Alternating (Two Valves), Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS30151H21).....	26,920.27	557.68
22 31 16 00-0041 EA 450,000 Grain Capacity, 3" Pipe Connection, Duplex Alternating (Two Valves), Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS30151I21).....	30,881.33	576.91
22 31 16 00-0042 EA 600,000 Grain Capacity, 3" Pipe Connection, Duplex Alternating (Two Valves), Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS30151J21).....	34,667.49	596.14
22 31 16 00-0043 EA 900,000 Grain Capacity, 3" Pipe Connection, Duplex Alternating (Two Valves), Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS30151K21).....	44,010.84	615.37
22 31 16 00-0044 EA 1,050,000 Grain Capacity, 3" Pipe Connection, Duplex Alternating (Two Valves), Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS30151L21).....	49,101.61	634.60
22 31 16 00-0045 Twin Alternating, Commercial Water Softeners (Watts Pure Water) (22 31 16 00-0001)		
22 31 16 00-0046 1" Pipe Connection, Twin Alternating, Commercial Water Softeners (Watts Pure Water) (22 31 16 00-0045) Note: Includes corrosion resistant NSF Certified fiberglass mineral and brine tanks and fully automatic metered demand control valve.		
22 31 16 00-0047 EA 30,000 Grain Capacity, 1" Pipe Connection, Twin Alternating, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS10T161A21).....	3,752.34	423.07
22 31 16 00-0048 EA 45,000 Grain Capacity, 1" Pipe Connection, Twin Alternating, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS10T161B21).....	3,995.40	442.30
22 31 16 00-0049 EA 60,000 Grain Capacity, 1" Pipe Connection, Twin Alternating, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS10T161C21).....	4,342.96	461.53



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 31 16 00-0050 EA 90,000 Grain Capacity, 1" Pipe Connection, Twin Alternating, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS10T161D21)	5,160.23	480.76
22 31 16 00-0051 EA 120,000 Grain Capacity, 1" Pipe Connection, Twin Alternating, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS10T161E21)	5,684.89	499.99
22 31 16 00-0052 1-1/2" Pipe Connection, Twin Alternating, Commercial Water Softeners (Watts Pure Water) (22 31 16 00-0045)		
Note: Includes corrosion resistant NSF Certified fiberglass mineral and brine tanks and fully automatic metered demand control valve.		
22 31 16 00-0053 EA 60,000 Grain Capacity, 1-1/2" Pipe Connection, Twin Alternating, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS10T161A21)	7,085.26	461.53
22 31 16 00-0054 EA 90,000 Grain Capacity, 1-1/2" Pipe Connection, Twin Alternating, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS10T161B21)	7,466.93	480.76
22 31 16 00-0055 EA 120,000 Grain Capacity, 1-1/2" Pipe Connection, Twin Alternating, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS10T161C21)	8,024.59	499.99
22 31 16 00-0056 EA 150,000 Grain Capacity, 1-1/2" Pipe Connection, Twin Alternating, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS10T161D21)	9,147.64	519.23
22 31 16 00-0057 EA 210,000 Grain Capacity, 1-1/2" Pipe Connection, Twin Alternating, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS10T161E21)	10,287.20	538.46
22 31 16 00-0058 EA 300,000 Grain Capacity, 1-1/2" Pipe Connection, Twin Alternating, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS10T161E21)	12,797.37	557.68
22 32 Domestic Water Filtration Equipment (22 30)		
22 32 16 Domestic-Water Freestanding Cartridge Filters (22 32)		
22 32 16 00-0001 Commercial Water Filters Housings (22 32 16)		
22 32 16 00-0002 Commercial Multi-Cartridge Stainless Steel Water Filter Housings (22 32 16 00-0001)		
22 32 16 00-0003 Commercial Multi-Cartridge Stainless Steel Water Filter Housings (22 32 16 00-0002)		
22 32 16 00-0004 EA 25 GPM Max Flow Rate, 4 Cartridge, Commercial Multi-Cartridge Stainless Steel Water Filter Housing (Watts Pure Water PWHS4X1)	1,489.77	181.13
22 32 16 00-0005 EA 30 GPM Max Flow Rate, 5 Cartridge, Commercial Multi-Cartridge Stainless Steel Water Filter Housing (Watts Pure Water PWHS5X1)	1,527.53	195.07
22 32 16 00-0006 EA 60 GPM Max Flow Rate, 4 Cartridge, Commercial Multi-Cartridge Stainless Steel Water Filter Housing (Watts Pure Water PWHS4X2)	1,626.90	209.00
22 32 16 00-0007 EA 90 GPM Max Flow Rate, 4 Cartridge, Commercial Multi-Cartridge Stainless Steel Water Filter Housing (Watts Pure Water PWHS4X3)	1,794.46	222.93
22 32 16 00-0008 EA 120 GPM Max Flow Rate, 4 Cartridge, Commercial Multi-Cartridge Stainless Steel Water Filter Housing (Watts Pure Water PWHS4X4)	1,854.23	236.86
22 32 16 00-0009 EA 150 GPM Max Flow Rate, 5 Cartridge, Commercial Multi-Cartridge Stainless Steel Water Filter Housing (Watts Pure Water PWHS5X4)	2,218.69	250.80
22 32 16 00-0010 EA 250 GPM Max Flow Rate, 12 Cartridge, Commercial Multi-Cartridge Stainless Steel Water Filter Housing (Watts Pure Water PWHS12X3)	5,883.16	264.73
22 32 16 00-0011 EA 300 GPM Max Flow Rate, 12 Cartridge, Commercial Multi-Cartridge Stainless Steel Water Filter Housing (Watts Pure Water PWHS12X4)	6,820.72	278.66
22 32 16 00-0012 EA 500 GPM Max Flow Rate, 22 Cartridge, Commercial Multi-Cartridge Stainless Steel Water Filter Housing (Watts Pure Water PWHS22X3)	8,610.80	292.59
22 32 16 00-0013 EA 600 GPM Max Flow Rate, 22 Cartridge, Commercial Multi-Cartridge Stainless Steel Water Filter Housing (Watts Pure Water PWHS22X4)	9,537.36	306.53
22 32 16 00-0014 Commercial Water Filter Cartridges (22 32 16 00-0002)		
22 32 16 00-0015 (Depth) Water Filter Cartridges (22 32 16 00-0014)		
22 32 16 00-0016 EA 50 Micron, 10" Depth, Melt Blown (Depth) Water Filter Cartridge (Watts Pure Water PWMB10M5)	8.58	2.23
22 32 16 00-0017 EA 20 Micron, 10" Depth, Melt Blown (Depth) Water Filter Cartridge (Watts Pure Water PWMB10M20)	8.58	2.23
22 32 16 00-0018 EA 10 Micron, 10" Depth, Melt Blown (Depth) Water Filter Cartridge (Watts Pure Water PWMB10M10)	8.58	2.23
22 32 16 00-0019 EA 5 Micron, 10" Depth, Melt Blown (Depth) Water Filter Cartridge (Watts Pure Water PWMB10M5)	7.48	2.23
22 32 16 00-0020 EA 1 Micron, 10" Depth, Melt Blown (Depth) Water Filter Cartridge (Watts Pure Water PWMB10M1)	8.86	2.23
22 32 16 00-0021 EA 50 Micron, 20" Depth, Melt Blown (Depth) Water Filter Cartridge (Watts Pure Water PWMB20M50)	8.86	2.23
22 32 16 00-0022 EA 20 Micron, 20" Depth, Melt Blown (Depth) Water Filter Cartridge (Watts Pure Water PWMB20M20)	9.41	2.23
22 32 16 00-0023 EA 5 Micron, 20" Depth, Melt Blown (Depth) Water Filter Cartridge (Watts Big Pure Water PWMB20M5)	11.34	2.23
22 32 16 00-0024 EA 1 Micron, 20" Depth, Melt Blown (Depth) Water Filter Cartridge (Watts Pure Water PWMB20M1)	9.41	2.23
22 32 16 00-0025 EA 50 Micron, 30" Depth, Melt Blown (Depth) Water Filter Cartridge (Watts Pure Water PWMB30M50)	10.78	2.23
22 32 16 00-0026 EA 20 Micron, 30" Depth, Melt Blown (Depth) Water Filter Cartridge (Watts Pure Water PWMB30M20)	10.78	2.23
22 32 16 00-0027 EA 5 Micron, 30" Depth, Melt Blown (Depth) Water Filter Cartridge (Watts Pure Water PWMB30M5)	10.78	2.23
22 32 16 00-0028 EA 1 Micron, 30" Depth, Melt Blown (Depth) Water Filter Cartridge (Watts Pure Water PWMB30M1)	11.61	2.23
22 32 16 00-0029 EA 50 Micron, 40" Length, Melt Blown (Depth) Water Filter Cartridge (Watts Pure Water PWMB40M50)	14.64	2.23
22 32 16 00-0030 EA 20 Micron, 40" Length, Melt Blown (Depth) Water Filter Cartridge (Watts Pure Water PWMB40M20)	13.54	2.23
22 32 16 00-0031 EA 5 Micron, 40" Length, Melt Blown (Depth) Water Filter Cartridge (Watts Pure Water PWMB40M5)	13.54	2.23
22 32 16 00-0032 EA 1 Micron, 40" Length, Melt Blown (Depth) Water Filter Cartridge (Watts Pure Water PWMB40M1)	14.64	2.23
22 32 16 00-0033 Pleated Water Filter Cartridges (22 32 16 00-0014)		
22 32 16 00-0034 EA 50 Micron, 9-3/4" Length, Pleated Water Filter Cartridge (Watts Pure Water PWPL10M50)	13.81	2.23
22 32 16 00-0035 EA 20 Micron, 9-3/4" Length, Pleated Water Filter Cartridge (Watts Pure Water PWPL10M20)	13.81	2.23
22 32 16 00-0036 EA 5 Micron, 9-3/4" Length, Pleated Water Filter Cartridge (Watts Pure Water PWPL10M5)	14.08	2.23
22 32 16 00-0037 EA 1 Micron, 9-3/4" Length, Pleated Water Filter Cartridge (Watts Pure Water PWPL10M1)	14.91	2.23
22 32 16 00-0038 EA 1 Micron Absolute, 9-3/4" Length, Pleated Water Filter Cartridge (Watts Pure Water PWPL10M1AB)	21.51	2.23



Plumbing	22
Plumbing Equipment	22 30
Domestic Water Filtration Equipment	22 32

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 32 16 00-0039 EA 50 Micron, 20" Length, Pleated Water Filter Cartridge (Watts Pure Water PWPL20M50).....	20.68	2.23
22 32 16 00-0040 EA 20 Micron, 20" Length, Pleated Water Filter Cartridge (Watts Pure Water PWPL20M20).....	20.68	2.23
22 32 16 00-0041 EA 5 Micron, 20" Length, Pleated Water Filter Cartridge (Watts Big Pure Water PWPL20M5).....	20.68	2.23
22 32 16 00-0042 EA 1 Micron, 20" Length, Pleated Water Filter Cartridge (Watts Pure Water PWPL20M1).....	26.74	2.23
22 32 16 00-0043 EA 1 Micron Absolute, 20" Length, Pleated Water Filter Cartridge (Watts Pure Water PWPL20M1AB).....	37.18	2.23
22 32 16 00-0044 EA 50 Micron, 40" Length, Pleated Water Filter Cartridge (Watts Pure Water PWPL40M50).....	31.41	2.23
22 32 16 00-0045 EA 20 Micron, 40" Length, Pleated Water Filter Cartridge (Watts Pure Water PWPL40M20).....	42.96	2.23
22 32 16 00-0046 EA 5 Micron, 40" Length, Pleated Water Filter Cartridge (Watts Pure Water PWPL40M5).....	44.61	2.23
22 32 16 00-0047 EA 1 Micron, 40" Length, Pleated Water Filter Cartridge (Watts Pure Water PWPL40M1).....	50.11	2.23
22 32 16 00-0048 Commercial Non-Metallic Water Filter Housings (22 32 16 00-0001)		
22 32 16 00-0049 Commercial Non-Metallic Water Filter Housings (22 32 16 00-0048)		
22 32 16 00-0050 EA 150 GPM Max Flow Rate, 1 Cartridge, Commercial Non-Metallic Water Filter Housing (Watts Big Bubba® PWWJCHSG).....	1,192.94	167.20
22 32 16 00-0051 Commercial Water Filter Cartridges (22 32 16 00-0048)		
22 32 16 00-0052 Carbon Water Filter Cartridges (22 32 16 00-0051)		
22 32 16 00-0053 EA Activated 26-1/4" Length, Carbon Water Filter Cartridge (Watts Big Bubba® PWWJCAC5).....	347.11	2.23
22 32 16 00-0054 (Depth) Water Filter Cartridges (22 32 16 00-0051)		
22 32 16 00-0055 EA 50 Micron, 26-1/4" Length, Melt Blown (Depth) Water Filter Cartridge (Watts Big Bubba® PWWJCMB50).....	73.48	2.23
22 32 16 00-0056 EA 20 Micron, 26-1/4" Length, Melt Blown (Depth) Water Filter Cartridge (Watts Big Bubba® PWWJCMB20).....	72.94	2.23
22 32 16 00-0057 EA 5 Micron, 26-1/4" Length, Melt Blown (Depth) Water Filter Cartridge (Watts Big Bubba® PWWJCMB5).....	72.94	2.23
22 32 16 00-0058 EA 1 Micron, 26-1/4" Length, Melt Blown (Depth) Water Filter Cartridge (Watts Big Bubba® PWWJCMB1).....	83.38	2.23
22 32 16 00-0059 Pleated Water Filter Cartridges (22 32 16 00-0051)		
22 32 16 00-0060 EA 150 Micron, 26-1/4" Length, Pleated Water Filter Cartridge (Watts Big Bubba® PWWJCM150).....	191.46	2.23
22 32 16 00-0061 EA 50 Micron, 26-1/4" Length, Pleated Water Filter Cartridge (Watts Big Bubba® PWWJCP50).....	179.91	2.23
22 32 16 00-0062 EA 20 Micron, 26-1/4" Length, Pleated Water Filter Cartridge (Watts Big Bubba® PWWJCP20).....	195.86	2.23
22 32 16 00-0063 EA 5 Micron, 26-1/4" Length, Pleated Water Filter Cartridge (Watts Big Bubba® PWWJCP5).....	205.21	2.23
22 32 16 00-0064 EA 1 Micron, 26-1/4" Length, Pleated Water Filter Cartridge (Watts Big Bubba® PWWJCP1).....	218.41	2.23
22 32 16 00-0065 EA 1 Absolute, 26-1/4" Length, Pleated Water Filter Cartridge (Watts Big Bubba® PWWJCP1AB).....	236.56	2.23
22 33 Electric Domestic Water Heaters (22 30)		
22 33 13 Instantaneous Electric Domestic Water Heaters (22 33)		
22 33 13 13 Flow-Control, Instantaneous Electric Domestic Water Heaters (22 33 13)		
22 33 13 13-0001 Flow Controlled, Instantaneous, Tankless, Electric Domestic Water Heaters (22 33 13 13)		
22 33 13 13-0002 EA 3 To 10 KW Flow Controlled, Instantaneous, Tankless, Electric Domestic Water Heater (Eemax EX3012, EX48, EX65, EX75, EX95).....	292.38	55.71
22 33 13 13-0003 EA 7.2 KW, 0.75 GPM, Instantaneous, Tankless, Electric Domestic Water Heater (Bosch RP7P).....	359.33	55.71
22 33 13 16 Thermostat-Control, Instantaneous Electric Domestic Water Heaters (22 33 13)		
22 33 13 16-0001 Thermostat Controlled, Instantaneous, Tankless, Electric Domestic Water Heaters (22 33 13 16)		
Note: Temperature rise decreases with increased flow rate.		
22 33 13 16-0002 EA 3 To 10 KW Thermostat-Control, Instantaneous, Tankless, Electric Domestic Water Heater (Eemax EX3012T, EX48T, EX65T, EX75T, EX95T, EX012240T).....	398.26	83.57
22 33 13 16-0003 EA 12 KW, 2.0 GPM, Indoor Mount, Instantaneous, Tankless, Electric Domestic Water Heater (Bosch PowerStar AE12).....	491.62	111.43
22 33 13 16-0004 EA 17.25 KW, 2.3 GPM At 45 Degree Rise, Indoor Mount, Instantaneous, Tankless, Electric Domestic Water Heater (Bosch PowerStar AE115).....	838.17	195.01
22 33 13 16-0005 EA 26.85 KW, 4.0 GPM At 45 Degree Rise, Indoor Mount, Instantaneous, Tankless, Electric Domestic Water Heater (Bosch PowerStar AE125).....	1,207.40	222.87
22 33 13 16-0006 EA 12 KW, 1.6 GPM At 45 Degree Rise, Indoor Mount, Instantaneous, Tankless, Electric Domestic Water Heater (Stiebel Eltron Tempra 12 Plus).....	746.64	111.43
22 33 13 16-0007 EA 14.4 KW, 2.3 GPM At 45 Degree Rise, Indoor Mount, Instantaneous, Tankless, Electric Domestic Water Heater (Stiebel Eltron Tempra 15 Plus).....	1,035.69	167.15
22 33 13 16-0008 EA 19.2 KW, 2.8 GPM At 45 Degree Rise, Indoor Mount, Instantaneous, Tankless, Electric Domestic Water Heater (Stiebel Eltron Tempra 20 Plus).....	1,181.44	222.87
22 33 13 16-0009 EA 24 KW, 3.3 GPM At 45 Degree Rise, Indoor Mount, Instantaneous, Tankless, Electric Domestic Water Heater (Stiebel Eltron Tempra 24 Plus).....	1,217.77	222.87
22 33 13 16-0010 EA 28.8 KW, 4.5 GPM At 45 Degree Rise, Indoor Mount, Instantaneous, Tankless, Electric Domestic Water Heater (Stiebel Eltron Tempra 29 Plus).....	1,252.08	222.87
22 33 13 16-0011 EA 36 KW, 4.5 GPM At 55 Degree Rise, Indoor Mount, Instantaneous, Tankless, Electric Domestic Water Heater (Stiebel Eltron Tempra 36 Plus).....	1,302.54	222.87
22 33 30 Residential, Electric Domestic Water Heaters (22 33)		
22 33 30 13 Residential, Small-Capacity Electric Domestic Water Heaters (22 33 30)		

22 Plumbing**22 30 Plumbing Equipment****22 33 Electric Domestic Water Heaters**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
22 33 30 13-0001		Small-Capacity, Electric Domestic Water Heaters (A.O. Smith ProMax) (22 33 30) ¹³⁾ Note: Includes glass lined tank, drain valve and temperature and pressure relief valve. Excludes electrical connections.			
22 33 30 13-0002	EA	2 Gallon, Small-Capacity, Electric Domestic Water Heater.....	617.39		175.50
22 33 30 13-0003	EA	10 Gallon, Small-Capacity, Electric Domestic Water Heater.....	728.48		186.65
22 33 30 13-0004	EA	20 Gallon, Small-Capacity, Electric Domestic Water Heater.....	834.01		195.01
22 33 30 16		Residential, Storage Electric Domestic Water Heaters (22 33 30)			
22 33 30 16-0001		Electric Domestic Water Heaters (A.O. Smith ProMax) (22 33 30 16) Note: Includes glass lined tank, drain valve and temperature and pressure relief valve. Excludes electrical connections.			
22 33 30 16-0002	EA	30 Gallon, Electric Domestic Water Heater.....	877.42		195.01
22 33 30 16-0003	EA	40 Gallon, Electric Domestic Water Heater.....	842.93		200.58
22 33 30 16-0004	EA	50 Gallon, Electric Domestic Water Heater.....	838.53		206.15
22 33 30 16-0005	EA	55 Gallon, Electric Domestic Water Heater.....	914.33		208.94
22 33 30 16-0006	EA	66 Gallon, Electric Domestic Water Heater.....	1,237.13		214.51
22 33 30 16-0007	EA	80 Gallon, Electric Domestic Water Heater.....	1,264.94		222.87
22 33 30 16-0008	EA	120 Gallon, Electric Domestic Water Heater.....	1,621.57		236.80
22 33 30 16-0009		Low-Boy, Electric Domestic Water Heaters (A.O. Smith ProMax) (22 33 30 16) Note: Includes glass lined tank, drain valve and temperature and pressure relief valve. Excludes electrical connections.			
22 33 30 16-0010	EA	30 Gallon, Low-Boy, Electric Domestic Water Heater.....	927.26		195.01
22 33 30 16-0011	EA	40 Gallon, Low-Boy, Electric Domestic Water Heater.....	898.44		200.58
22 33 30 16-0012	EA	50 Gallon, Low-Boy, Electric Domestic Water Heater.....	945.10		206.15
22 33 30 16-0013		High Efficiency, Electric Domestic Water Heaters (A.O. Smith Conservationist) (22 33 30 16) Note: Includes .95 energy factor glass lined tank, drain valve and temperature and pressure relief valve. Excludes electrical connections.			
22 33 30 16-0014	EA	40 Gallon, High Efficiency, Electric Domestic Water Heater.....	956.66		200.58
22 33 30 16-0015	EA	50 Gallon, High Efficiency, Electric Domestic Water Heater.....	1,031.69		206.15
22 33 30 16-0016	EA	66 Gallon, High Efficiency, Electric Domestic Water Heater.....	1,229.31		214.51
22 33 30 16-0017	EA	80 Gallon, High Efficiency, Electric Domestic Water Heater.....	1,325.94		222.87
22 33 30 16-0018		Water Heater Accessories (22 33 30 16)			
22 33 30 16-0019	EA	2 Gallon, Expansion Pressure Tank For Water Heaters.....	68.97		11.14
22 33 30 16-0020	EA	4.4 Gallon, Expansion Pressure Tank For Water Heaters.....	79.38		11.14
22 33 30 16-0021	EA	7.6 Gallon, Expansion Pressure Tank For Water Heaters.....	143.73		11.14
22 33 30 16-0022	EA	14 Gallon, Expansion Pressure Tank For Water Heaters.....	189.01		11.14
22 33 30 16-0023	EA	20" Diameter, 3" Deep, Aluminum Water Heater Drain Pan.....	45.62		8.36
22 33 30 16-0024	EA	22" Diameter, 2-1/2" Deep, Aluminum Water Heater Drain Pan.....	49.10		8.36
22 33 30 16-0025	EA	24" Diameter, 3" Deep, Aluminum Water Heater Drain Pan.....	51.43		8.36
22 33 30 16-0026	EA	26" Diameter, 2-1/2" Deep, Aluminum Water Heater Drain Pan.....	59.55		8.36
22 33 30 16-0027	EA	22" Diameter, 2-1/2" Deep, Polyethylene Water Heater Drain Pan.....	28.15		8.36
22 33 30 16-0028	EA	24" Diameter, 2-1/2" Deep, Polyethylene Water Heater Drain Pan.....	30.00		8.36
22 33 30 16-0029	EA	26" Diameter, 2-1/2" Deep, Polyethylene Water Heater Drain Pan.....	32.62		8.36
22 33 30 16-0030	EA	28" Diameter, 2-1/2" Deep, Polyethylene Water Heater Drain Pan.....	35.98		8.36
22 33 33		Light-Commercial Electric Domestic Water Heaters (22 33 33)			
22 33 33 00-0001		Heavy Duty Electric Commercial Water Heaters (A.O. Smith DSE) (22 33 33) Note: Includes glass lined tank, ASME tank construction, drain valve, and temperature and pressure relief valve.			
22 33 33 00-0002	EA	3 KW, 5 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-5-3).....	3,830.02		195.01
22 33 33 00-0003	EA	3 KW, 10 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-10-3).....	3,934.26		195.01
22 33 33 00-0004	EA	6 KW, 10 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-10-6).....	4,142.75		195.01
22 33 33 00-0005	EA	3 KW, 20 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-20-3).....	4,198.46		222.87
22 33 33 00-0006	EA	6 KW, 20 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-20-6).....	4,406.95		222.87
22 33 33 00-0007	EA	9 KW, 20 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-20-9).....	4,719.68		222.87
22 33 33 00-0008	EA	12 KW, 20 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-20-12).....	4,823.93		222.87
22 33 33 00-0009	EA	15 KW, 20 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-20-15).....	5,032.41		222.87
22 33 33 00-0010	EA	18 KW, 20 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-20-18).....	5,136.66		222.87
22 33 33 00-0011	EA	6 KW, 30 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-30-6).....	4,511.19		222.87
22 33 33 00-0012	EA	9 KW, 30 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-30-9).....	4,719.68		222.87
22 33 33 00-0013	EA	12 KW, 30 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-30-12).....	4,928.17		222.87
22 33 33 00-0014	EA	15 KW, 30 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-30-15).....	5,136.66		222.87
22 33 33 00-0015	EA	18 KW, 30 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-30-18).....	5,345.15		222.87
22 33 33 00-0016	EA	24 KW, 30 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-30-24).....	6,700.32		222.87
22 33 33 00-0017	EA	9 KW, 40 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-40-9).....	4,935.36		278.58
22 33 33 00-0018	EA	12 KW, 40 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-40-12).....	5,248.09		278.58
22 33 33 00-0019	EA	15 KW, 40 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-40-15).....	5,352.33		278.58
22 33 33 00-0020	EA	18 KW, 40 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-40-18).....	5,560.86		278.58
22 33 33 00-0021	EA	24 KW, 40 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-40-24).....	6,811.75		278.58
22 33 33 00-0022	EA	30 KW, 40 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-40-30).....	7,437.21		278.58



Plumbing	22	
Plumbing Equipment	22 30	22
Electric Domestic Water Heaters	22 33	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 33 33 00-0023 EA 36 KW, 40 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-40-36).....	7,854.19	278.58
22 33 33 00-0024 EA 9 KW, 50 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-50-9).....	5,880.75	334.30
22 33 33 00-0025 EA 12 KW, 50 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-50-12).....	6,089.24	334.30
22 33 33 00-0026 EA 15 KW, 50 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-50-15).....	6,089.24	334.30
22 33 33 00-0027 EA 18 KW, 50 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-50-18).....	6,193.48	334.30
22 33 33 00-0028 EA 24 KW, 50 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-50-24).....	7,965.63	334.30
22 33 33 00-0029 EA 30 KW, 50 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-50-30).....	8,382.60	334.30
22 33 33 00-0030 EA 36 KW, 50 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-50-36).....	8,591.09	334.30
22 33 33 00-0031 EA 45 KW, 50 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-50-45).....	10,050.51	334.30
22 33 33 00-0032 EA 54 KW, 50 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-50-54).....	10,050.51	334.30
22 33 33 00-0033 EA 60 KW, 50 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-50-60).....	12,135.39	334.30
22 33 33 00-0034 EA 75 KW, 50 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-50-75).....	14,220.27	334.30
22 33 33 00-0035 EA 90 KW, 50 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-50-90).....	17,556.08	334.30
22 33 33 00-0036 EA 9 KW, 65 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-65-9).....	6,624.84	445.73
22 33 33 00-0037 EA 12 KW, 65 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-65-12).....	6,833.33	445.73
22 33 33 00-0038 EA 15 KW, 65 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-65-15).....	6,937.57	445.73
22 33 33 00-0039 EA 18 KW, 65 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-65-18).....	7,041.81	445.73
22 33 33 00-0040 EA 24 KW, 65 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-65-24).....	8,709.72	445.73
22 33 33 00-0041 EA 30 KW, 65 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-65-30).....	9,126.69	445.73
22 33 33 00-0042 EA 36 KW, 65 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-65-36).....	9,230.94	445.73
22 33 33 00-0043 EA 45 KW, 65 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-65-45).....	10,690.35	445.73
22 33 33 00-0044 EA 54 KW, 65 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-65-54).....	10,898.84	445.73
22 33 33 00-0045 EA 60 KW, 65 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-65-60).....	11,315.82	445.73
22 33 33 00-0046 EA 75 KW, 65 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-65-75).....	15,277.09	445.73
22 33 33 00-0047 EA 90 KW, 65 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-65-90).....	18,508.65	445.73
22 33 33 00-0048 EA 12 KW, 80 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-80-12).....	7,361.73	501.45
22 33 33 00-0049 EA 15 KW, 80 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-80-15).....	7,465.98	501.45
22 33 33 00-0050 EA 18 KW, 80 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-80-18).....	7,570.22	501.45
22 33 33 00-0051 EA 24 KW, 80 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-80-24).....	9,238.12	501.45
22 33 33 00-0052 EA 30 KW, 80 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-80-30).....	9,550.86	501.45
22 33 33 00-0053 EA 36 KW, 80 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-80-36).....	9,863.59	501.45
22 33 33 00-0054 EA 45 KW, 80 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-80-45).....	11,218.76	501.45
22 33 33 00-0055 EA 54 KW, 80 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-80-54).....	11,323.00	501.45
22 33 33 00-0056 EA 60 KW, 80 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-80-60).....	11,739.98	501.45
22 33 33 00-0057 EA 75 KW, 80 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-80-75).....	15,492.76	501.45
22 33 33 00-0058 EA 90 KW, 80 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-80-90).....	18,620.08	501.45
22 33 33 00-0059 EA 15 KW, 100 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-100-15).....	8,307.11	557.16
22 33 33 00-0060 EA 18 KW, 100 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-100-18).....	8,411.36	557.16
22 33 33 00-0061 EA 24 KW, 100 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-100-24).....	9,662.29	557.16
22 33 33 00-0062 EA 30 KW, 100 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-100-30).....	10,079.26	557.16
22 33 33 00-0063 EA 36 KW, 100 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-100-36).....	10,287.75	557.16
22 33 33 00-0064 EA 45 KW, 100 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-100-45).....	11,747.17	557.16
22 33 33 00-0065 EA 54 KW, 100 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-100-54).....	11,851.41	557.16
22 33 33 00-0066 EA 60 KW, 100 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-100-60).....	13,623.56	557.16
22 33 33 00-0067 EA 75 KW, 100 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-100-75).....	15,708.44	557.16
22 33 33 00-0068 EA 90 KW, 100 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-100-90).....	19,044.25	557.16
22 33 33 00-0069 EA 15 KW, 120 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-120-15).....	9,155.45	668.60
22 33 33 00-0070 EA 18 KW, 120 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-120-18).....	9,468.18	668.60
22 33 33 00-0071 EA 24 KW, 120 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-120-24).....	10,302.13	668.60
22 33 33 00-0072 EA 30 KW, 120 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-120-30).....	10,719.11	668.60
22 33 33 00-0073 EA 36 KW, 120 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-120-36).....	10,927.60	668.60
22 33 33 00-0074 EA 45 KW, 120 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-120-45).....	12,282.77	668.60
22 33 33 00-0075 EA 54 KW, 120 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-120-54).....	12,387.01	668.60
22 33 33 00-0076 EA 60 KW, 120 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-120-60).....	14,576.14	668.60
22 33 33 00-0077 EA 75 KW, 120 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-120-75).....	17,286.48	668.60
22 33 33 00-0078 EA 90 KW, 120 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-120-90).....	19,579.85	668.60

22 33 33 00-0079 Standard Duty Electric Commercial Water Heaters (A.O. Smith DEL And DEN) (22 33 33)

Note: Includes glass lined tank, drain valve, and temperature and pressure relief valve.

22 33 33 00-0080 EA Up To 2.5 KW, 6 Gallon, Single Element Lowboy Electric Commercial Water Heater (DEL-6S).....	1,036.28	195.01
22 33 33 00-0081 EA Up To 6 KW, 10 Gallon, Single Element Lowboy Electric Commercial Water Heater (DEL-10S).....	1,077.98	195.01
22 33 33 00-0082 EA Up To 6 KW, 20 Gallon, Single Element Lowboy Electric Commercial Water Heater (DEL-20S).....	1,206.66	222.87
22 33 33 00-0083 EA Up To 12 KW, 30 Gallon, Dual Element Lowboy Electric Commercial Water Heater (DEL-30D).....	1,905.09	222.87
22 33 33 00-0084 EA Up To 12 KW, 40 Gallon, Dual Element Lowboy Electric Commercial Water Heater (DEL-40D).....	2,193.74	278.58
22 33 33 00-0085 EA Up To 12 KW, 50 Gallon, Dual Element Lowboy Electric Commercial Water Heater (DEL-50D).....	2,482.39	334.30
22 33 33 00-0086 EA Up To 12 KW, 80 Gallon, Dual Element Standard Upright Electric Commercial Water Heater (DEN-80D).....	3,181.55	501.45

22 33 33 00-0087 Removal And Reinstallation Of Water Heater (22 33 33)

Note: Includes storage and cleaning.

22 33 33 00-0088 EA Removal And Reinstallation Of Water Heater Electric, Up To 82 Gallon.....	371.45	
22 33 33 00-0089 EA Removal And Reinstallation Of Water Heater Electric, 83 Gallon To 200 Gallon.....	1,114.33	

22 34 Fuel-Fired Domestic Water Heaters (22 30)

22 34 13 Instantaneous, Tankless, Gas Domestic Water Heaters (22 34)

22 34 13 00-0001 Instantaneous, Tankless, Gas Domestic Water Heaters (22 34 13)

22 Plumbing**22 30 Plumbing Equipment****22 34 Fuel-Fired Domestic Water Heaters**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 34 13 00-0002 Indoor Mount, Instantaneous, Tankless, Gas Domestic Water Heaters <small>(22 34 13 00-0001)</small>		
Note: Includes vent connection. Excludes vent.		
22 34 13 00-0003 EA 4.2 GPM, Indoor Mount, Instantaneous, Tankless, Gas Domestic Water Heater (Rheem RTG-42PVN)	1,180.07	222.87
22 34 13 00-0004 EA 5.3 GPM, Indoor Mount, Instantaneous, Tankless, Gas Domestic Water Heater (Rheem RTG-53PVN)	1,262.58	225.65
22 34 13 00-0005 EA 5.3 GPM, Direct Vent, Indoor Mount, Instantaneous, Tankless, Gas Domestic Water Heater (Rheem RTG-53DVN)	1,371.64	231.23
22 34 13 00-0006 EA 6.6 GPM, Direct Vent, Indoor Mount, Instantaneous, Tankless, Gas Domestic Water Heater (Rheem RTG-66DVN)	1,571.50	236.80
22 34 13 00-0007 EA 7.4 GPM, Indoor Mount, Instantaneous, Tankless, Gas Domestic Water Heater (Rheem RTG-74PVN)	1,873.62	250.72
22 34 13 00-0008 EA 7.4 GPM, Direct Vent, Indoor Mount, Instantaneous, Tankless, Gas Domestic Water Heater (Rheem RTG-74DVN)	1,908.59	250.72
22 34 13 00-0009 Outdoor Mount, Instantaneous, Tankless, Gas Domestic Water Heaters <small>(22 34 13 00-0001)</small>		
22 34 13 00-0010 EA 5.3 GPM, Outdoor Mount, Instantaneous, Tankless, Gas Domestic Water Heater (Rheem RTG-53XN)	1,257.01	222.87
22 34 13 00-0011 EA 7.4 GPM, Outdoor Mount, Instantaneous, Tankless, Gas Domestic Water Heater (Rheem RTG-74XN)	1,873.62	250.72
22 34 30 Residential Gas Domestic Water Heaters <small>(22 34)</small>		
22 34 30 13 Residential, Atmospheric, Gas Domestic Water Heaters <small>(22 34 30)</small>		
22 34 30 13-0001 Atmospheric, Gas Domestic Water Heaters (A.O. Smith ProMax) <small>(22 34 30 13)</small>		
Note: Includes glass lined tank, drain valve, temperature and pressure relief valve and vent connection. Excludes vent.		
22 34 30 13-0002 EA 30 Gallon, Atmospheric, Gas Domestic Water Heater (A. O. Smith GCV-30)	928.52	214.51
22 34 30 13-0003 EA 40 Gallon, Atmospheric, Gas Domestic Water Heater (A. O. Smith GCV-40)	920.80	220.08
22 34 30 13-0004 EA 50 Gallon, Atmospheric, Gas Domestic Water Heater (A. O. Smith GCVX-50)	1,161.72	225.65
22 34 30 13-0005 EA 65 Gallon, Atmospheric, Gas Domestic Water Heater (A. O. Smith GCV-65)	1,245.08	231.23
22 34 30 13-0006 EA 75 Gallon, Atmospheric, Gas Domestic Water Heater (A. O. Smith FCG-75)	1,344.98	236.80
22 34 30 13-0007 EA 100 Gallon, Atmospheric, Gas Domestic Water Heater (A. O. Smith FCG-100)	1,895.76	250.72
22 34 30 16 Residential, Direct-Vent, Gas Domestic Water Heaters <small>(22 34 30)</small>		
22 34 30 16-0001 Direct-Vent, Gas Domestic Water Heaters (A.O. Smith ProMax) <small>(22 34 30 16)</small>		
Note: Includes glass lined tank, drain valve, temperature and pressure relief valve and vent connection. Excludes vent.		
22 34 30 16-0002 EA 40 Gallon, Direct-Vent, Gas Domestic Water Heater (A. O. Smith GDV-40)	1,536.52	220.08
22 34 30 16-0003 EA 50 Gallon, Direct-Vent, Gas Domestic Water Heater (A. O. Smith GDV-50)	1,727.88	225.65
22 34 30 16-0004 EA 75 Gallon, Direct-Vent, Gas Domestic Water Heater (A. O. Smith GDV-75)	2,188.91	231.23
22 34 30 19 Residential, Power-Vent, Gas Domestic Water Heaters <small>(22 34 30)</small>		
22 34 30 19-0001 Power-Vent, Gas Domestic Water Heaters (A.O. Smith ProMax) <small>(22 34 30 19)</small>		
Note: Includes glass lined tank, drain valve, temperature and pressure relief valve and vent connection. Excludes vent.		
22 34 30 19-0002 EA 40 Gallon, Power-Vent, Gas Domestic Water Heater (A. O. Smith GPVH-40)	1,414.80	220.08
22 34 30 19-0003 EA 50 Gallon, Power-Vent, Gas Domestic Water Heater (A. O. Smith GPVH-50)	1,470.33	225.65
22 34 36 Commercial Gas Domestic Water Heaters <small>(22 34)</small>		
22 34 36 00-0001 Gas Fired Commercial Water Heaters (A.O. Smith BTR) <small>(22 34 36)</small>		
Note: Includes automatic flue damper, glass lined tank, drain valve, temperature and pressure relief valve and vent connection. Excludes vent.		
22 34 36 00-0002 EA 120 MBH Input, 71 Gallon, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-120)	4,648.05	334.30
22 34 36 00-0003 EA 154 MBH Input, 81 Gallon, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-154)	4,980.02	390.02
22 34 36 00-0004 EA 180 MBH Input, 81 Gallon, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-180)	6,141.42	445.73
22 34 36 00-0005 EA 199 MBH Input, 81 Gallon, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-199)	5,345.56	445.73
22 34 36 00-0006 EA 199 MBH Input, 100 Gallon, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-200)	6,108.91	445.73
22 34 36 00-0007 EA 199 MBH Input, 100 Gallon, ASME Rated Tank, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-200A)	8,089.07	490.30
22 34 36 00-0008 EA 250 MBH Input, 100 Gallon, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-250)	5,954.65	501.45
22 34 36 00-0009 EA 250 MBH Input, 100 Gallon, ASME Rated Tank, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-250A)	8,726.14	551.59
22 34 36 00-0010 EA 251 MBH Input, 65 Gallon, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-251)	6,042.85	501.45
22 34 36 00-0011 EA 251 MBH Input, 65 Gallon, ASME Rated Tank, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-251A)	8,337.64	551.59
22 34 36 00-0012 EA 275 MBH Input, 100 Gallon, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-275)	6,727.71	612.89
22 34 36 00-0013 EA 275 MBH Input, 100 Gallon, ASME Rated Tank, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-275A)	9,160.30	674.17
22 34 36 00-0014 EA 305 MBH Input, 65 Gallon, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-305)	7,525.71	612.89
22 34 36 00-0015 EA 305 MBH Input, 65 Gallon, ASME Rated Tank, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-305A)	9,212.80	674.17
22 34 36 00-0016 EA 365 MBH Input, 85 Gallon, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-365)	7,322.19	668.60
22 34 36 00-0017 EA 365 MBH Input, 85 Gallon, ASME Rated Tank, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-365A)	10,164.87	735.46
22 34 36 00-0018 EA 390 MBH Input, 100 Gallon, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-400)	9,201.65	668.60
22 34 36 00-0019 EA 390 MBH Input, 100 Gallon, ASME Rated Tank, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-400A)	11,970.87	735.46



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 34 36 00-0020 EA 500 MBH Input, 85 Gallon, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-500)	11,917.08	724.31
22 34 36 00-0021 EA 150 MBH Input, 32 Gallon, Booster Type, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-151)	5,966.98	390.02
22 34 36 00-0022 EA 150 MBH Input, 32 Gallon, ASME Rated Tank, Booster Type, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-151A)	7,136.98	429.02
22 34 36 00-0023 EA 199 MBH Input, 32 Gallon, Booster Type, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-201)	6,225.42	445.73
22 34 36 00-0024 EA 199 MBH Input, 32 Gallon, ASME Rated Tank, Booster Type, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-201A)	7,438.07	490.30
22 34 36 00-0025 EA Sidewall Power Vent System For BTR-120 through BTR-200	1,607.11	278.58
22 34 36 00-0026 EA Sidewall Power Vent System For BTR-250 through BTR-500	1,743.61	278.58
 22 34 36 00-0027 Induced Draft Blower Gas Fired Commercial Water Heaters (A.O. Smith BTN) <small>(22 34 36)</small>		
Note: Includes glass lined tank, drain valve, temperature and pressure relief valve and vent connection. Excludes vent.		
22 34 36 00-0028 EA 90 MBH Input, 98 Gallon, 80% Efficiency, Induced Draft Blower, Gas Fired Commercial Water Heater (BTN-100)	3,818.55	334.30
22 34 36 00-0029 EA 120 MBH Input, 71 Gallon, 80% Efficiency, Induced Draft Blower, Gas Fired Commercial Water Heater (BTN-120)	5,383.05	334.30
22 34 36 00-0030 EA 154 MBH Input, 81 Gallon, 80% Efficiency, Induced Draft Blower, Gas Fired Commercial Water Heater (BTN-154)	6,554.98	390.02
22 34 36 00-0031 EA 180 MBH Input, 99 Gallon, 80% Efficiency, Induced Draft Blower, Gas Fired Commercial Water Heater (BTN-180)	6,844.92	445.73
22 34 36 00-0032 EA 199 MBH Input, 99 Gallon, 80% Efficiency, Induced Draft Blower, Gas Fired Commercial Water Heater (BTN-199)	6,876.42	445.73
22 34 36 00-0033 EA 199 MBH Input, 100 Gallon, 80% Efficiency, Induced Draft Blower, Gas Fired Commercial Water Heater (BTN-200)	7,023.42	445.73
22 34 36 00-0034 EA 199 MBH Input, 100 Gallon, ASME Rated Tank, 80% Efficiency, Induced Draft Blower, Gas Fired Commercial Water Heater (BTN-200A)	8,225.57	490.30
22 34 36 00-0035 EA 250 MBH Input, 100 Gallon, 80% Efficiency, Induced Draft Blower, Gas Fired Commercial Water Heater (BTN-250)	7,754.35	501.45
22 34 36 00-0036 EA 250 MBH Input, 100 Gallon, ASME Rated Tank, 80% Efficiency, Induced Draft Blower, Gas Fired Commercial Water Heater (BTN-250A)	9,503.14	551.59
22 34 36 00-0037 EA 275 MBH Input, 100 Gallon, 80% Efficiency, Induced Draft Blower, Gas Fired Commercial Water Heater (BTN-275)	8,176.71	612.89
22 34 36 00-0038 EA 275 MBH Input, 100 Gallon, ASME Rated Tank, 80% Efficiency, Induced Draft Blower, Gas Fired Commercial Water Heater (BTN-275A)	9,979.30	674.17
22 34 36 00-0039 EA 310 MBH Input, 85 Gallon, 80% Efficiency, Induced Draft Blower, Gas Fired Commercial Water Heater (BTN-310)	9,344.71	612.89
22 34 36 00-0040 EA 310 MBH Input, 85 Gallon, ASME Rated Tank, 80% Efficiency, Induced Draft Blower, Gas Fired Commercial Water Heater (BTN-310A)	10,084.30	674.17
22 34 36 00-0041 EA 366 MBH Input, 85 Gallon, 80% Efficiency, Induced Draft Blower, Gas Fired Commercial Water Heater (BTN-366)	9,348.65	668.60
22 34 36 00-0042 EA 366 MBH Input, 85 Gallon, ASME Rated Tank, 80% Efficiency, Induced Draft Blower, Gas Fired Commercial Water Heater (BTN-366A)	10,962.87	735.46
22 34 36 00-0043 EA 390 MBH Input, 85 Gallon, 80% Efficiency, Induced Draft Blower, Gas Fired Commercial Water Heater (BTN-400)	11,249.15	668.60
22 34 36 00-0044 EA 390 MBH Input, 85 Gallon, ASME Rated Tank, 80% Efficiency, Induced Draft Blower, Gas Fired Commercial Water Heater (BTN-400A)	12,957.87	735.46
 22 34 36 00-0045 Condensing Gas Fired Commercial Water Heaters (A.O. Smith BTX And BTH) <small>(22 34 36)</small>		
Note: Includes glass lined tank, drain valve, temperature and pressure relief valve and vent connection. Excludes vent.		
22 34 36 00-0046 EA 76 MBH Input, 50 Gallon, 90% Efficiency, Power-Vent, Condensing Gas Fired Commercial Water Heater (BTX-80)	2,999.55	334.30
22 34 36 00-0047 EA 100 MBH Input, 50 Gallon, 90% Efficiency, Power-Vent, Condensing Gas Fired Commercial Water Heater (BTX-100)	3,965.55	334.30
22 34 36 00-0048 EA 120 MBH Input, 60 Gallon, 95% Efficiency, Power-Vent, Condensing Gas Fired Commercial Water Heater (BTH-120)	4,763.55	334.30
22 34 36 00-0049 EA 120 MBH Input, 60 Gallon, ASME Rated Tank, 95% Efficiency, Power-Vent, Condensing Gas Fired Commercial Water Heater (BTH-120A)	6,804.41	367.73
22 34 36 00-0050 EA 150 MBH Input, 100 Gallon, 95% Efficiency, Power-Vent, Condensing Gas Fired Commercial Water Heater (BTH-150)	6,974.98	390.02
22 34 36 00-0051 EA 150 MBH Input, 100 Gallon, ASME Rated Tank, 95% Efficiency, Power-Vent, Condensing Gas Fired Commercial Water Heater (BTH-150A)	8,764.48	429.02
22 34 36 00-0052 EA 199 MBH Input, 100 Gallon, 95% Efficiency, Power-Vent, Condensing Gas Fired Commercial Water Heater (BTH-199)	7,107.42	445.73
22 34 36 00-0053 EA 199 MBH Input, 100 Gallon, ASME Rated Tank, 95% Efficiency, Power-Vent, Condensing Gas Fired Commercial Water Heater (BTH-199A)	9,055.07	490.30
22 34 36 00-0054 EA 250 MBH Input, 100 Gallon, 95% Efficiency, Power-Vent, Condensing Gas Fired Commercial Water Heater (BTH-250)	8,205.85	501.45
22 34 36 00-0055 EA 250 MBH Input, 100 Gallon, ASME Rated Tank, 95% Efficiency, Power-Vent, Condensing Gas Fired Commercial Water Heater (BTH-250A)	9,954.64	551.59
22 34 36 00-0056 EA 300 MBH Input, 130 Gallon, ASME Rated Tank, 95% Efficiency, Power-Vent, Condensing Gas Fired Commercial Water Heater (BTH-300A)	13,003.30	674.17
22 34 36 00-0057 EA 399.9 MBH Input, 130 Gallon, ASME Rated Tank, 95% Efficiency, Power-Vent, Condensing Gas Fired Commercial Water Heater (BTH-400A)	13,682.37	735.46
22 34 36 00-0058 EA 499.9 MBH Input, 130 Gallon, ASME Rated Tank, 95% Efficiency, Power-Vent, Condensing Gas Fired Commercial Water Heater (BTH-500A)	15,715.94	796.75
 22 34 36 00-0059 Laars Rheos+ 90% Efficient, Gas Fired, Copper Fin Tube Condensing Water Heaters <small>(22 34 36)</small>		
22 34 36 00-0060 EA 1,200 MBH 90% Efficient, Gas Fired, Copper Fin Tube Condensing Water Heater (Laars Rheos+)	26,491.78	1,286.64
22 34 36 00-0061 EA 1,600 MBH 90% Efficient, Gas Fired, Copper Fin Tube Condensing Water Heater (Laars Rheos+)	37,146.38	1,422.07
22 34 36 00-0062 EA 2,000 MBH 90% Efficient, Gas Fired, Copper Fin Tube Condensing Water Heater (Laars Rheos+)	40,270.59	1,489.79

22 Plumbing**22 30 Plumbing Equipment****22 34 Fuel-Fired Domestic Water Heaters**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 34 36 00-0063 EA 2,400 MBH 90% Efficient, Gas Fired, Copper Fin Tube Condensing Water Heater (Laars Rheos+).....	43,625.49	1,625.23
22 34 36 00-0064 Laars Rheos 86% Efficient Gas Fired, Copper Fin Tube LoNox Water Heaters <small>(22 34 36)</small>		
22 34 36 00-0065 EA 1,200 MBH 86% Efficient, Gas Fired, Copper Fin Tube LoNox Water Heater (Laars Rheos)	23,593.84	1,286.64
22 34 36 00-0066 EA 1,600 MBH 86% Efficient, Gas Fired, Copper Fin Tube LoNox Water Heater (Laars Rheos)	26,065.49	1,422.07
22 34 36 00-0067 EA 2,000 MBH 86% Efficient, Gas Fired, Copper Fin Tube LoNox Water Heater (Laars Rheos)	28,450.53	1,489.79
22 34 36 00-0068 EA 2,400 MBH 86% Efficient, Gas Fired, Copper Fin Tube LoNox Water Heater (Laars Rheos)	30,915.54	1,625.23
22 34 36 00-0069 Laars Pennant 85% Efficient, Gas Fired, Copper Fin Tube LoNox Water Heaters <small>(22 34 36)</small>		
22 34 36 00-0070 EA 200 MBH 85% Efficient, Gas Fired, Copper Fin Tube LoNox Water Heater (Laars Pennant)	6,251.95	609.46
22 34 36 00-0071 EA 300 MBH 85% Efficient, Gas Fired, Copper Fin Tube LoNox Water Heater (Laars Pennant)	6,882.69	677.18
22 34 36 00-0072 EA 400 MBH 85% Efficient, Gas Fired, Copper Fin Tube LoNox Water Heater (Laars Pennant)	8,095.45	812.61
22 34 36 00-0073 EA 500 MBH 85% Efficient, Gas Fired, Copper Fin Tube LoNox Water Heater (Laars Pennant)	11,209.03	846.47
22 34 36 00-0074 EA 750 MBH 85% Efficient, Gas Fired, Copper Fin Tube LoNox Water Heater (Laars Pennant)	12,406.91	1,015.77
22 34 36 00-0075 EA 1,000 MBH 85% Efficient, Gas Fired, Copper Fin Tube LoNox Water Heater (Laars Pennant)	15,277.70	1,218.92
22 34 36 00-0076 EA 1,250 MBH 85% Efficient, Gas Fired, Copper Fin Tube LoNox Water Heater (Laars Pennant)	17,298.16	1,286.64
22 34 36 00-0077 EA 1,500 MBH 85% Efficient, Gas Fired, Copper Fin Tube LoNox Water Heater (Laars Pennant)	19,147.46	1,388.22
22 34 36 00-0078 EA 1,750 MBH 85% Efficient, Gas Fired, Copper Fin Tube LoNox Water Heater (Laars Pennant)	20,859.82	1,455.93
22 34 36 00-0079 EA 2,000 MBH 85% Efficient, Gas Fired, Copper Fin Tube LoNox Water Heater (Laars Pennant)	22,337.70	1,489.79
22 34 36 00-0080 Patterson Kelly Thermific Sealed Combustion, Gas Fired, Copper Fin Tube Water Heaters <small>(22 34 36)</small>		
22 34 36 00-0081 EA 700 MBH 85% Efficient, Sealed Combustion, Gas Fired, Copper Fin Tube Water Heater (Patterson Kelly Thermific).....	19,772.00	1,015.77
22 34 36 00-0082 EA 1,000 MBH 85% Efficient, Sealed Combustion, Gas Fired, Copper Fin Tube Water Heater (Patterson Kelly Thermific).....	21,837.14	1,218.92
22 34 36 00-0083 EA 1,500 MBH 85% Efficient, Sealed Combustion, Gas Fired, Copper Fin Tube Water Heater (Patterson Kelly Thermific).....	29,038.15	1,388.22
22 34 36 00-0084 EA 1,700 MBH 85% Efficient, Sealed Combustion, Gas Fired, Copper Fin Tube Water Heater (Patterson Kelly Thermific).....	29,932.66	1,455.93
22 34 36 00-0085 EA 2,000 MBH 85% Efficient, Sealed Combustion, Gas Fired, Copper Fin Tube Water Heater (Patterson Kelly Thermific).....	31,310.80	1,489.79
22 34 36 00-0086 Patterson Kelly Modufire Forced Draft, Water, Gas Fired, Copper Fin Tube Water Heaters <small>(22 34 36)</small>		
22 34 36 00-0087 EA 1,000 MBH 85% Efficient, Forced Draft, Gas Fired, Copper Fin Tube Water Heater (Patterson Kelly Modufire)	25,034.30	1,218.92
22 34 36 00-0088 EA 1,500 MBH 85% Efficient, Forced Draft, Gas Fired, Copper Fin Tube Water Heater (Patterson Kelly Modufire)	30,223.92	1,388.22
22 34 36 00-0089 EA 2,000 MBH 85% Efficient, Forced Draft, Gas Fired, Copper Fin Tube Water Heater (Patterson Kelly Modufire)	32,085.43	1,489.79
22 34 36 00-0090 Laars Mighty Therm Volume Water Heater <small>(22 34 36)</small>		
22 34 36 00-0091 EA 200 MBH Gas Fired Volume Water Heater (Laars MT2V0200)	6,623.60	820.83
22 34 36 00-0092 EA 300 MBH Gas Fired Volume Water Heater (Laars MT2V0300)	7,213.01	923.43
22 34 36 00-0093 EA 400 MBH Gas Fired Volume Water Heater (Laars MT2V0400)	8,400.27	1,128.63
22 34 36 00-0094 EA 500 MBH Gas Fired Volume Water Heater (Laars MT2V0500)	11,904.97	1,231.23
22 34 36 00-0095 EA 750 MBH Gas Fired Volume Water Heater (Laars MT2V0750)	13,160.84	1,436.44
22 34 36 00-0096 EA 1,000 MBH Gas Fired Volume Water Heater (Laars MT2V1000)	15,053.16	1,641.64
22 34 36 00-0097 EA 1,250 MBH Gas Fired Volume Water Heater (Laars MT2V1250)	16,656.29	1,846.85
22 34 36 00-0098 EA 1,500 MBH Gas Fired Volume Water Heater (Laars MT2V1500)	19,786.73	2,052.05
22 34 36 00-0099 EA 1,750 MBH Gas Fired Volume Water Heater (Laars MT2V1750)	20,552.40	2,154.65
22 34 36 00-0100 EA 2,000 MBH Gas Fired Volume Water Heater (Laars MT2V2000)	22,004.16	2,257.26
22 34 36 00-0101 Laars Mighty Therm Gas Fired Domestic Hot Water Skid Package <small>(22 34 36)</small>		
Note: Includes (2) Laars Mighty Therm boilers, (2) B&G boiler primary pumps (one per boiler), T&P valve, circuit setter, storage tank (sized for 10 minutes buffer based on 50 degree city water supply, and operating set point for the tank at 130 degrees storage), and all necessary accessories for system monitoring such as gauges and thermometers. UL listed and labeled. Excludes piping insulation or seismic calculations.		
22 34 36 00-0102 EA 400 MBH x 2, Gas Fired Domestic Hot Water Skid Package (FlowTherm Systems FTDW-400)	48,890.64	1,326.93
22 34 36 00-0103 EA 1,000 MBH x 2, Gas Fired Domestic Hot Water Skid Package (FlowTherm Systems FTDW-1000)	58,967.96	1,409.86
22 34 36 00-0104 EA 2,000 MBH x 2, Gas Fired Domestic Hot Water Skid Package (FlowTherm Systems FTDW-2000)	71,484.53	1,492.80
22 34 36 00-0105 EA 3,000 MBH x 2, Gas Fired Domestic Hot Water Skid Package (FlowTherm Systems FTDW-3000)	85,300.44	1,575.73
22 34 36 00-0106 EA 4,000 MBH x 2, Gas Fired Domestic Hot Water Skid Package (FlowTherm Systems FTDW-4000)	89,414.16	1,658.66
22 34 36 00-0107 Removal And Reinstallation Of Water Heater <small>(22 34 36)</small>		
Note: Includes storage and cleaning.		
22 34 36 00-0108 EA Removal And Reinstallation Of Water Heater Gas Fired, Up To 86 Gallon	506.51	
22 34 36 00-0109 EA Removal And Reinstallation Of Water Heater Gas Fired, 87 Gallon To 200 Gallon.....	1,339.34	
22 34 46 Oil-Fired Domestic Water Heaters <small>(22 34)</small>		



Plumbing	22
Plumbing Equipment	22 30
Fuel-Fired Domestic Water Heaters	22 34

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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22 34 46 00-0001 Oil-Fired Domestic Water Heaters (Bock) (22 34 46)
 Note: Includes burner, glass lined tank, drain valve, temperature and pressure relief valve and vent connection. Excludes vent.

22 34 46 00-0002 EA 60 MBH, 20 Gallon, Oil-Fired Domestic Water Heater (Bock 20E)	1,597.71	214.51
22 34 46 00-0003 EA 104 MBH, 32 Gallon, Oil-Fired Domestic Water Heater (Bock 32E)	1,577.18	214.51
22 34 46 00-0004 EA 104 MBH, 33 Gallon, Oil-Fired Domestic Water Heater (Bock 33ES)	1,643.14	214.51
22 34 46 00-0005 EA 125 MBH, 40 Gallon, Oil-Fired Domestic Water Heater (Bock 40E)	1,732.88	220.08
22 34 46 00-0006 EA 140 MBH, 50 Gallon, Oil-Fired Domestic Water Heater (Bock 50ES)	2,185.75	225.65
22 34 46 00-0007 EA 152 MBH, 50 Gallon, Oil-Fired Domestic Water Heater (Bock 51E)	1,859.63	225.65

22 34 46 00-0008 Oil Fired Commercial Water Heaters (22 34 46)
 Note: Includes burner, glass lined tank, drain valve, temperature and pressure relief valve and vent connection. Excludes vent.

22 34 46 00-0009 EA 173 MBH, 68 Gallon, Oil-Fired Commercial Water Heater (Boch 71E)	2,584.88	334.30
22 34 46 00-0010 EA 199 MBH, 67 Gallon, Oil-Fired Commercial Water Heater (Boch 72E)	3,014.24	334.30
22 34 46 00-0011 EA 242 MBH, 67 Gallon, Oil-Fired Commercial Water Heater (Boch 73E)	3,030.75	334.30
22 34 46 00-0012 EA 190 MBH, 113 Gallon, Oil-Fired Commercial Water Heater (Bock 120E)	4,352.11	445.73
22 34 46 00-0013 EA 415 MBH, 91 Gallon, Oil-Fired Commercial Water Heater (Bock 361E)	5,950.15	557.16
22 34 46 00-0014 EA 623 MBH, 83 Gallon, Oil-Fired Commercial Water Heater (Bock 541E)	7,457.39	612.89

22 35 Domestic Water Heat Exchangers (22 30)

22 35 23 Circulating, Domestic Water heat Exchangers (22 35)

22 35 23 00-0001 Steam Driven Water Heaters (22 35 23)

22 35 23 00-0002 Constant Flow (22 35 23 00-0001)

22 35 23 00-0003 EA 30 GPM, 700 LB/Hour Steam Water Heater, Constant Flow	4,533.30	557.16
22 35 23 00-0004 EA 90 GPM, 1,250 LB/Hour Steam Water Heater, Constant Flow	5,653.17	682.75
22 35 23 00-0005 EA 140 GPM, 2,500 LB/Hour Steam Water Heater, Constant Flow	7,256.14	892.91
22 35 23 00-0006 EA 230 GPM, 5,000 LB/Hour Steam Water Heater, Constant Flow	9,842.75	1,243.71
22 35 23 00-0007 EA 500 GPM, 7,500 LB/Hour Steam Water Heater, Constant Flow	14,667.89	2,048.36
22 35 23 00-0008 EA 900 GPM, 10,000 LB/Hour Steam Water Heater, Constant Flow	16,045.78	2,321.48
22 35 23 00-0009 EA 1,400 GPM, 15,000 LB/Hour Steam Water Heater, Constant Flow	20,807.42	2,678.63
22 35 23 00-0010 EA 2,400 GPM, 20,000 LB/Hour Steam Water Heater, Constant Flow	24,997.16	3,165.71

22 35 23 00-0011 Variable Flow (22 35 23 00-0001)

22 35 23 00-0012 EA 30 GPM, 700 LB/Hour Steam Water Heater, Variable Flow	6,996.55	1,086.48
22 35 23 00-0013 EA 90 GPM, 1,250 LB/Hour Steam Water Heater, Variable Flow	7,994.15	1,326.61
22 35 23 00-0014 EA 140 GPM, 2,500 LB/Hour Steam Water Heater, Variable Flow	10,213.32	1,715.40
22 35 23 00-0015 EA 230 GPM, 5,000 LB/Hour Steam Water Heater, Variable Flow	13,491.16	2,393.36
22 35 23 00-0016 EA 500 GPM, 7,500 LB/Hour Steam Water Heater, Variable Flow	20,424.44	4,002.68
22 35 23 00-0017 EA 900 GPM, 10,000 LB/Hour Steam Water Heater, Variable Flow	24,543.18	4,407.96
22 35 23 00-0018 EA 1,400 GPM, 15,000 LB/Hour Steam Water Heater, Variable Flow	28,466.15	5,158.91
22 35 23 00-0019 EA 2,400 GPM, 20,000 LB/Hour Steam Water Heater, Variable Flow	35,797.44	6,163.37

22 40 Plumbing Fixtures (22)

Note: The following Energy Policy Act Flow Rates Requirements superseded flow rates standards listed in section. Plumbing fixtures and trim should not exceed the maximum flow rates set forth in The Energy Policy Act 92. lavatory faucets - 2.5 gal/min, lavatory replacement aerators - 2.5 gal/min, kitchen faucets - 2.5 gal/min, kitchen replacement aerators - 2.5 gal/min, metering faucets - 0.25 gal/cycle, gravity tank-type toilets - 1.6 gal/flush, flushometer tank toilets - 1.6 gal/flush, electromechanical hydraulic toilets - 1.6 gal/flush, blowdown toilets - 3.5 gal/flush, urinals - 1.0 gal/flush.

22 41 Residential Plumbing Fixtures (22 40)

22 41 39 Residential Faucets, Supplies, And Trim (22 41)

22 41 39 00-0001 Kitchen Faucets (22 41 39)

22 41 39 00-0002 EA Chrome Single Handle Kitchen Faucet (Delta 100WF)	146.52	51.28
22 41 39 00-0003 EA Chrome Single Handle Kitchen Faucet With Spray (Delta 400WF)	164.48	51.28
22 41 39 00-0004 EA Chrome Single Handle Kitchen Faucet With Integrated Spray (Delta 300WF)	164.48	51.28
22 41 39 00-0005 EA Chrome Two Handle Kitchen Faucet, Three Hole Installation 8"Center (Delta 2102-LHP+H215)	159.52	51.28
22 41 39 00-0006 EA Chrome Two Handle Kitchen Faucet With Spray, Three Hole Installation, 8" Center (Delta 2402-LHP+H215)	169.17	51.28

22 41 39 00-0007 Lavatory Faucets (22 41 39)

22 41 39 00-0008 EA Chrome Single Acrylic Handle Bath Faucet (Delta 502WF)	127.88	36.92
For Faucet With Brass Pop-Up, Add	11.00	
22 41 39 00-0009 EA Chrome Single Lever Handle Bath Faucet (Delta 500WF)	127.88	36.92
For Faucet With Brass Pop-Up, Add	11.00	
22 41 39 00-0010 EA Chrome Two Handle Bath Faucet With Acrylic Handles (Delta 2502)	98.34	36.92
For Faucet With Brass Pop-Up, Add	16.50	
For Faucet With Plastic Pop-Up, Add	14.00	

22 41 39 00-0011 Bath And Shower Faucets (22 41 39)

22	Plumbing
22 40	Plumbing Fixtures
22 41	Residential Plumbing Fixtures



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 41 39 00-0012 EA Single Lever Handle, Chrome Shower Only, Pressure Balanced/Anti-Scald Valve (American Standard T675.501) <i>For Faucet With Polished Nickel Or Brass Finish, Add</i>	164.31 25.00	44.51
22 41 39 00-0013 EA Single Lever Handle, Chrome Bath And Shower, Pressure Balanced/Anti-Scald Valve (American Standard T675.502) <i>For Faucet With Polished Nickel Or Brass Finish, Add</i>	188.88 25.00	44.51
22 41 39 00-0014 EA Two-Knob Handle Chrome Shower Only, Ceramic Valving (American Standard 3275.301) <i>For Faucet With Polished Nickel Or Brass Finish, Add</i> <i>For Faucet With Lever Handles, Add</i>	138.48 75.00 8.10	44.51
22 41 39 00-0015 EA Two-Knob Handle Chrome Shower And Tub Filler, Ceramic Valving (American Standard 3275.302) <i>For Faucet With Polished Nickel Or Brass Finish, Add</i> <i>For Faucet With Lever Handles, Add</i>	153.60 75.00 8.10	44.51
22 41 39 00-0016 EA Three-Knob Handle Chrome Shower And Tub Filler, Ceramic Valving (American Standard 3375.302) <i>For Faucet With Polished Nickel Or Brass Finish, Add</i> <i>For Faucet With Lever Handles, Add</i>	166.83 75.00 8.10	44.51
22 41 39 00-0017 EA Hand Shower With Hose And 25" Slide Bar (American Standard 1662.602)	178.56	27.86
22 41 39 00-0018 EA Wall Mount, Hand Shower With Hose (Delta 55011)	152.25	27.86
22 41 39 00-0019 EA Wall Mount, Hand Shower Unit With Hose (Alsons 62001 DS)	181.89	27.86
22 41 39 00-0020 Laundry Faucets (22 41 39)		
22 41 39 00-0021 EA Stream Straightener Nozzle Chrome Laundry Faucet, Lever Handles, 4" Center (Delta 2123).....	112.49	32.76
22 41 39 00-0022 Laundry/Wash Basin Faucets (22 41 39)		
22 41 39 00-0023 EA Hose Thread Spout Chrome Laundry Faucet, Lever Handles, 4" Center (Delta 2121).....	113.23	32.76
22 41 39 00-0024 EA Hose Thread Spout With Vacuum Breaker Chrome Laundry Faucet, Lever Handles, 4" Center (Delta 2121+RP25695)	154.88	36.11
22 41 39 00-0025 Other Faucets (22 41 39)		
22 41 39 00-0026 EA Sillcock, Compact, Brass, IPS Or Copper To Hose	26.41	8.36
22 42 Commercial Plumbing Fixtures (22 40)		
Note: Prices are for commercial grade unless otherwise indicated. Includes final connection and all associated trim (seat, supply stop and line, wax seal, valve). Excludes rough-in within the wall and carrier.		
22 42 13 Commercial Water Closets, Urinals, And Bidets (22 42)		
22 42 13 13 Commercial Water Closets (22 42 13)		
22 42 13 13-0001 Vitreous China Water Closets (22 42 13 13) Note: With a 2" ball pass.		
22 42 13 13-0002 Floor Mounted Elongated Vitreous China Water Closets (22 42 13 13-0001) Note: Includes wax seal and toilet seat. Excludes flush valve.		
22 42 13 13-0003 EA Flush Valve Type, Siphon Jet, Floor Mounted, Floor Outlet, Elongated Vitreous China Water Closet (American Standard Madera™)	608.18	106.66
22 42 13 13-0004 EA Flush Valve Type, Siphon Jet, Floor Mounted, Floor Outlet, Elongated Vitreous China Water Closet (American Standard Colorado)	602.20	106.66
22 42 13 13-0005 EA Flush Valve Type, Siphon Jet, Floor Mounted, Wall Outlet, Elongated Vitreous China Water Closet (American Standard Priolo®)	723.85	106.66
22 42 13 13-0006 EA 2 Piece Tank Type, Pressure Assisted, Siphon Jet, Floor Mounted, Wall Outlet, Elongated Vitreous China Water Closet (American Standard Yorkville™)	934.59	106.66
22 42 13 13-0007 EA 2 Piece Tank Type, Pressure Assisted, Siphon Jet, Floor Mounted, Floor Outlet, Elongated Vitreous China Water Closet (American Standard Cadet™)	836.86	106.66
22 42 13 13-0008 EA 1.28 GPF Flush Valve Type, Siphon Jet, Floor Mounted, Floor Outlet, Elongated Vitreous China Water Closet (Toto® CT705E)	642.30	106.66
22 42 13 13-0009 Wall Hung Elongated Vitreous China Water Closets (22 42 13 13-0001) Note: Includes wax seal and toilet seat. Excludes flush valve.		
22 42 13 13-0010 EA Flush Valve Type, Siphon Jet, Wall Mounted, Wall Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (American Standard A'wall®)	707.46	131.28
22 42 13 13-0011 EA Flush Valve Type, Siphon Jet, Wall Mounted, Wall Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (American Standard A'wall® ADA Retrofit)	874.32	131.28
22 42 13 13-0012 EA 2 Piece Tank Type, Pressure Assisted, Siphon Jet, Wall Mounted, Wall Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (American Standard Glenwall™)	1,103.01	131.28
22 42 13 13-0013 EA Flush Valve Type, Siphon Jet, Wall Mounted, Wall Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (Toto® CT708E Or CT708EV).....	783.04	131.28
22 42 13 13-0014 EA Flush Valve Type, Siphon Jet, Wall Mounted, Wall Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (Zurn Z5615-BWL).....	664.31	131.28
22 42 13 13-0015 EA Flush Valve Type, Siphon Jet, Wall Mounted, Wall Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (Sloan ST-2059-A).....	696.67	131.28
22 42 13 13-0016 Floor Mounted Elongated Handicapped Water Closets (22 42 13 13-0001) Note: Includes wax seal and toilet seat. Excludes flush valve.		
22 42 13 13-0017 EA Flush Valve Type, Siphon Jet, Floor Mounted, Floor Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (American Standard Madera™ ADA)	616.52	106.66
22 42 13 13-0018 EA Flush Valve Type, Siphon Jet, Floor Mounted, Floor Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (American Standard Colorado Right Height®)	631.14	106.66
22 42 13 13-0019 EA Flush Valve Type, Siphon Jet, Floor Mounted, Floor Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (American Standard Right Width™ Right Height®).....	695.63	106.66



Plumbing	22	22
Plumbing Fixtures	22 40	
Commercial Plumbing Fixtures	22 42	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 42 13 13-0020 EA Flush Valve Type, Siphon Jet, Floor Mounted, Wall Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (American Standard Huron).....	775.40	106.66
22 42 13 13-0021 EA Flush Valve Type, Siphon Jet, Floor Mounted, Wall Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (American Standard Priolo® ADA)	772.08	106.66
22 42 13 13-0022 EA 2 Piece Tank Type, Pressure Assisted, Siphon Jet, Floor Mounted, Back Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (American Standard Yorkville™ ADA)	1,026.69	106.66
22 42 13 13-0023 EA 2 Piece Tank Type, Pressure Assisted, Siphon Jet, Floor Mounted, Floor Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (American Standard Cadet Right Height™ ADA)	867.14	106.66
22 42 13 13-0024 EA Flush Valve Type, Siphon Jet, Floor Mounted, Floor Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (Toto® CT705ELN).....	682.20	106.66
22 42 13 13-0025 EA Flush Valve Type, Siphon Jet, Floor Mounted, Floor Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (Zum HET Z5667-BWL).....	648.64	106.66
22 42 13 13-0026 Floor Mounted, 10" High Bowl, Children's Height Vitreous China Water Closets (22 42 13 13-0001) Note: Includes wax seal and toilet seat. Excludes flush valve.		
22 42 13 13-0027 EA Flush Valve Type, Siphon Jet, Floor Mounted, Floor Outlet, 10" High Bowl, Children's Height, Elongated Vitreous China Water Closet (Kohler® Primary™)	648.68	106.66
22 42 13 13-0028 EA Flush Valve Type, Siphon Jet, Floor Mounted, Floor Outlet, 10" High Bowl, Children's Height, Round Front Vitreous China Water Closet (American Standard Baby Devoro™)	623.82	106.66
22 42 13 13-0029 EA 2 Piece Tank Type, Siphon Jet, Floor Mounted, Floor Outlet, 10" High Bowl, Children's Height, Round Front Vitreous China Water Closet (American Standard Baby Devoro™)	727.54	106.66
22 42 13 13-0030 Stainless Steel Water Closets (22 42 13 13)		
22 42 13 13-0031 EA Wall Hung Water Closet, Stainless Steel With Hinged Seat, Siphon Jet (Acorn 2105-T-1-HS).....	2,628.51	230.77
22 42 13 13-0032 EA Floor Mounted Water Closet, Stainless Steel With Hinged Seat, Siphon Jet (Acorn 2120-T-3-HS)	2,762.81	230.77
22 42 13 13-0033 Water Closet Carriers (22 42 13 13)		
22 42 13 13-0034 Pipe Grip Adaptor Type, Water Closet Carriers (22 42 13 13-0033) Note: Includes coated cast iron construction, plated hardware and adjustable feet. Excludes waste piping and fittings.		
22 42 13 13-0035 EA Pipe Grip Adaptor Type, Water Closet Carrier.....	409.68	54.16
22 42 13 13-0036 No-Hub, Water Closet Carriers (22 42 13 13-0033) Note: Includes coated cast iron construction, ABS extension with integral test cap, plated hardware and neoprene fixture gasket. Includes buttress feet or pylon feet and anchor foot.		
22 42 13 13-0037 EA Vertical Close With Offset, No-Hub, Single Water Closet Carrier	601.23	54.16
For Carrier For Floor Mounted, Back Outlet China Bowls, Deduct	-46.99	
For Positioning Frame, Add	33.47	
For Supply Pipe Support, Add	34.17	
For Vandal Proof Trim, Add	40.00	
For Auxiliary Inlet, Add	144.39	
For Special Duty 500 LB Carrier, Add	223.12	
22 42 13 13-0038 EA Vertical Close On Stack, No-Hub, Single Water Closet Carrier	601.23	54.16
For Carrier For Floor Mounted, Back Outlet China Bowls, Deduct	-46.99	
For Positioning Frame, Add	33.47	
For Supply Pipe Support, Add	34.17	
For Vandal Proof Trim, Add	40.00	
For Auxiliary Inlet, Add	144.39	
For Special Duty 500 LB Carrier, Add	223.12	
22 42 13 13-0039 EA Horizontal Adjustable, No-Hub, Single Water Closet Carrier	651.05	54.16
For Carrier For Floor Mounted, Back Outlet China Bowls, Deduct	-46.99	
For Positioning Frame, Add	33.47	
For Supply Pipe Support, Add	34.17	
For Vandal Proof Trim, Add	40.00	
For Auxiliary Inlet, Add	144.39	
For Horizontal No Hub Cast Long Barrel, Add	142.01	
For Carrier For Wide Chase Installations, Add	197.28	
For Special Duty 1,000 LB Carrier, Add	223.13	
22 42 13 13-0040 EA Vertical Adjustable On Stack, No-Hub, Single Water Closet Carrier.....	714.90	54.16
For Carrier For Floor Mounted, Back Outlet China Bowls, Deduct	-46.99	
For Positioning Frame, Add	33.47	
For Supply Pipe Support, Add	34.17	
For Vandal Proof Trim, Add	40.00	
For 4" Branch, Add	110.43	
For Auxiliary Inlet, Add	144.39	
For Carrier For Wide Chase Installations, Add	197.28	
For Double 4" Branches, Add	221.56	
For Special Duty 1,000 LB Carrier, Add	223.13	
22 42 13 13-0041 EA Vertical Close With Offset, No-Hub, Double Water Closet (Back To Back) Carrier	988.97	79.49
For Carrier For Floor Mounted, Back Outlet China Bowls, Deduct	-94.01	
For Positioning Frame, Add	74.62	
For Supply Pipe Support, Add	76.03	
For Vandal Proof Trim, Add	80.00	
For Auxiliary Inlet, Add	159.77	
For Special Duty 500 LB Carrier, Add	446.24	

22 Plumbing**22 40 Plumbing Fixtures****22 42 Commercial Plumbing Fixtures**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 42 13 13-0042	EA		Vertical Close On Stack, No-Hub, Double Water Closet (Back To Back) Carrier.....	1,014.24	79.49
			<i>For Carrier For Floor Mounted, Back Outlet China Bowls, Deduct</i>	-94.01	
			<i>For Positioning Frame, Add</i>	74.62	
			<i>For Supply Pipe Support, Add</i>	76.03	
			<i>For Vandal Proof Trim, Add</i>	80.00	
			<i>For Auxiliary Inlet, Add</i>	159.77	
			<i>For Special Duty 500 LB Carrier, Add</i>	446.24	
22 42 13 13-0043	EA		Vertical Adjustable On Stack, No-Hub, Double Water Closet (Back To Back) Carrier.....	1,215.61	79.49
			<i>For Carrier For Floor Mounted, Back Outlet China Bowls, Deduct</i>	-94.01	
			<i>For Positioning Frame, Add</i>	74.62	
			<i>For Supply Pipe Support, Add</i>	76.03	
			<i>For Vandal Proof Trim, Add</i>	80.00	
			<i>For 4" Branch, Add</i>	118.12	
			<i>For Auxiliary Inlet, Add</i>	159.77	
			<i>For Double 4" Branches, Add</i>	236.94	
			<i>For Carrier For Wide Chase Installations, Add</i>	440.71	
			<i>For Special Duty 1,000 LB Carrier, Add</i>	446.25	
22 42 13 13-0044	EA		Horizontal Adjustable, No-Hub, Double Water Closet (Back To Back) Carrier	1,149.65	79.49
			<i>For Carrier For Floor Mounted, Back Outlet China Bowls, Deduct</i>	-94.01	
			<i>For Positioning Frame, Add</i>	74.62	
			<i>For Supply Pipe Support, Add</i>	76.03	
			<i>For Vandal Proof Trim, Add</i>	80.00	
			<i>For Horizontal No Hub Cast Long Barrel, Add</i>	149.70	
			<i>For Carrier For Wide Chase Installations, Add</i>	440.71	
			<i>For Special Duty 1,000 LB Carrier, Add</i>	446.25	
22 42 13 13-0045			Hub And Spigot, Water Closet Carriers <small>(22 42 13 13-0033)</small>		
			Note: Includes coated cast iron construction, ABS extension with integral test cap, plated hardware and neoprene fixture gasket. Includes buttress feet or pylon feet and anchor foot.		
22 42 13 13-0046	EA		Vertical Close With Offset, Hub And Spigot, Single Water Closet Carrier.....	601.23	54.16
			<i>For Positioning Frame, Add</i>	33.47	
			<i>For Supply Pipe Support, Add</i>	34.17	
			<i>For Vandal Proof Trim, Add</i>	40.00	
			<i>For Hanger Type Closet Adapter, Add</i>	100.34	
			<i>For Auxiliary Inlet, Add</i>	144.39	
22 42 13 13-0047	EA		Vertical Close On Stack, Hub And Spigot, Single Water Closet Carrier.....	601.23	54.16
			<i>For Positioning Frame, Add</i>	33.47	
			<i>For Supply Pipe Support, Add</i>	34.17	
			<i>For Vandal Proof Trim, Add</i>	40.00	
			<i>For Auxiliary Inlet, Add</i>	144.39	
			<i>For Special Duty 500 LB Carrier, Add</i>	223.12	
22 42 13 13-0048	EA		Vertical Adjustable On Stack, Hub And Spigot, Single Water Closet Carrier.....	738.75	54.16
			<i>For Carrier For Floor Mounted, Back Outlet China Bowls, Deduct</i>	-46.99	
			<i>For Positioning Frame, Add</i>	33.47	
			<i>For Supply Pipe Support, Add</i>	34.17	
			<i>For Vandal Proof Trim, Add</i>	40.00	
			<i>For 4" Branch, Add</i>	110.43	
			<i>For Auxiliary Inlet, Add</i>	144.39	
			<i>For Carrier For Wide Chase Installations, Add</i>	197.28	
			<i>For Double 4" Branches, Add</i>	221.56	
			<i>For Special Duty 1,000 LB Carrier, Add</i>	223.13	
22 42 13 13-0049	EA		Vertical Close With Offset, Hub And Spigot, Double Water Closet (Back To Back) Carrier.....	988.97	79.49
			<i>For Positioning Frame, Add</i>	74.62	
			<i>For Supply Pipe Support, Add</i>	76.03	
			<i>For Vandal Proof Trim, Add</i>	80.00	
			<i>For Auxiliary Inlet, Add</i>	159.77	
			<i>For Hanger Type Closet Adapter, Add</i>	200.67	
22 42 13 13-0050	EA		Vertical Adjustable On Stack, Hub And Spigot, Double Water Closet (Back To Back) Carrier	1,239.47	79.49
			<i>For Carrier For Floor Mounted, Back Outlet China Bowls, Deduct</i>	-94.01	
			<i>For Positioning Frame, Add</i>	74.62	
			<i>For Supply Pipe Support, Add</i>	76.03	
			<i>For Vandal Proof Trim, Add</i>	80.00	
			<i>For 4" Branch, Add</i>	118.12	
			<i>For Auxiliary Inlet, Add</i>	159.77	
			<i>For Double 4" Branches, Add</i>	236.94	
			<i>For Carrier For Wide Chase Installations, Add</i>	440.71	
			<i>For Special Duty 1,000 LB Carrier, Add</i>	446.25	
22 42 13 13-0051			Floor Mount Polyvinyl Chloride (PVC) Adaptor Type, Water Closet Carriers <small>(22 42 13 13-0033)</small>		
			Note: Includes coated cast iron construction, plastic fitting adaptor with extension and plated hardware.		
22 42 13 13-0052	EA		Vertical On Stack, Floor Mount Polyvinyl Chloride (PVC) Adaptor Type, Single Water Closet Carrier.....	478.44	54.16
			<i>For Positioning Frame, Add</i>	33.47	
			<i>For Supply Pipe Support, Add</i>	34.17	
			<i>For Vandal Proof Trim, Add</i>	40.00	
			<i>For Hanger Type Closet Adapter, Add</i>	100.34	
22 42 13 13-0053			Institutional Water Closet Carriers <small>(22 42 13 13-0033)</small>		
			Note: Includes coated cast iron construction, ABS extension with integral test cap, buttress feet, plated hardware and neoprene fixture gasket.		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 42 13 13-0054 EA Vertical On Stack, No-Hub, 90 Degree Institutional, Double Waste Fitting With Vent And Carrier, Water Closet Carrier	1,565.04	79.49
<i>For Carrier For Floor Mounted, Back Outlet China Bowls, Deduct</i>	-94.01	
<i>For Positioning Frame, Add</i>	74.62	
<i>For Supply Pipe Support, Add</i>	76.03	
<i>For Vandal Proof Trim, Add</i>	80.00	
<i>For Auxiliary Inlet, Add</i>	159.77	
22 42 13 13-0055 Water Closet Flush Valves <small>(22 42 13 13)</small>		
22 42 13 13-0056 EA Exposed Manual Water Closet Flush Valve (Sloan Regal-115XL)	198.30	34.97
22 42 13 13-0057 EA Exposed Manual Water Closet Flush Valve (Sloan Regal-113-1.6)	193.17	34.97
22 42 13 13-0058 EA Exposed Manual Water Closet Flush Valve (Sloan Regal-110 Or 111)	219.21	34.97
22 42 13 13-0059 EA Concealed Manual Water Closet Flush Valve, Back Spud (Sloan Royal-140)	301.01	34.97
22 42 13 13-0060 EA Concealed Manual Water Closet Flush Valve, Top Spud (Sloan Royal-142)	330.37	34.97
22 42 13 13-0061 EA Exposed Infrared Water Closet Flush Valve (Sloan Royal 115-1.6 ES-S)	571.41	34.97
22 42 13 13-0062 EA Concealed Infrared Water Closet Flush Valve, Back Spud (Sloan Royal-140 ES-S)	582.09	34.97
22 42 13 13-0063 EA Concealed Infrared Water Closet Flush Valve, Top Spud (Sloan Royal-153-1.6-ES-S)	611.70	34.97
22 42 13 13-0064 EA Exposed Battery Powered Water Closet Flush Valve (Sloan G2 Optima Plus 8113)	571.94	34.97
22 42 13 13-0065 EA Dual Flush Water Closet Flush Valve (Sloan Uppercut WES-115)	271.06	20.51
<i>Note: "Green", 1.6 Gallons or 1.1 Gallons per flush. Includes instructional placards on proper operation.</i>		
22 42 13 13-0066 EA Exposed Battery Powered Water Closet Flush Valve (Sloan G2 Optima Plus 8110)	514.03	34.97
22 42 13 13-0067 EA Side Mount Battery Powered Water Closet/Urinal Automatic Flush Retrofit Converters (Sloan Optima EBV-89AM)	288.12	34.97
22 42 13 13-0068 EA Side Mount Battery Powered Water Closet/Urinal Automatic Flush Retrofit Converters (Technical Concepts 40118X)	256.37	34.97
22 42 13 13-0069 EA Slide Over Handle Battery Powered Water Closet/Urinal Automatic Flush Retrofit Converters (Sloan Optima Smooth EBV-200A)	248.39	30.77
22 42 13 13-0070 EA Slide Over Handle Battery Powered Water Closet/Urinal Automatic Flush Retrofit Converters (Technical Concepts 40180X)	268.34	30.77
22 42 13 13-0071 EA Exposed Infrared Water Closet Flush Valve 1.28 GPF (Toto EcoPower TET1LN)	579.06	34.97
22 42 13 13-0072 EA Exposed Infrared Water Closet Flush Valve (1-1/2" V.B.) 1.28 GPF (Toto EcoPower TET1LN32)	630.67	34.97
22 42 13 13-0073 EA Concealed Infrared Water Closet Flush Valve, Back Spud 1.28 GPF (Toto EcoPower TET2LN31 Or TET3LN31)	801.44	34.97
22 42 13 13-0074 EA Concealed Infrared Water Closet Flush Valve, Top Spud 1.28 GPF (Toto EcoPower TET2LN32 Or TET3LN32)	801.44	34.97
22 42 13 13-0075 EA Exposed Infrared Water Closet Flush Valve (Zurn ZEMS6000AV-HET-IS)	527.90	34.97
22 42 13 13-0076 EA Exposed Infrared Water Closet Flush Valve (Zurn ZTS6200EV)	523.52	34.97
22 42 13 13-0077 EA Slide Over Handle AC Powered Water Closet/Urinal Automatic Flush Retrofit Converters (Sloan EL-600-A)	259.64	30.77
22 42 13 13-0078 EA 6 Volt DC, 120 Volt AC Hardwired Power Transformer (Sloan EL-451)	81.51	5.20
22 42 13 13-0079 EA Exposed Solar/Battery Powered Water Closet Flush Valve (Sloan Solis 8111-1.28)	538.32	34.97
22 42 13 13-0080 EA Exposed Manual Water Closet Flush Valve (Zurn Z6000AV-HET)	211.09	34.97
22 42 13 13-0081 EA Exposed Battery Powered Water Closet Flush Valve (Zurn ZER6000AV-HET)	546.97	34.97
22 42 13 13-0082 Removal And Reinstallation Of Fixtures And Trim <small>(22 42 13 13)</small>		
<i>Note: Includes storage, cleaning and supply materials for reconnecting pipe to fixture.</i>		
22 42 13 13-0083 EA Removal And Reinstallation Of Wall Hung Water Closet With Tank	468.62	
22 42 13 13-0084 EA Removal And Reinstallation Of Wall Hung Water Closet With Flush Valve	468.62	
22 42 13 13-0085 EA Removal And Reinstallation Of Floor Mount Water Closet With Tank	360.36	
22 42 13 13-0086 EA Removal And Reinstallation Of Floor Mount Water Closet With Flush Valve	360.36	
22 42 13 16 Commercial Urinals <small>(22 42 13)</small>		
22 42 13 16-0001 Vitreous China Urinals <small>(22 42 13 16)</small>		
<i>Note: Excludes flush valve unless indicated otherwise.</i>		
22 42 13 16-0002 Wall Hung Urinals <small>(22 42 13 16-0001)</small>		
22 42 13 16-0003 EA Washout, Wall Hung, Vitreous China Urinal (American Standard Maybrook™)	568.07	109.74
22 42 13 16-0004 EA Washout, Wall Hung, Vitreous China Urinal (American Standard Decorum™)	589.34	109.74
22 42 13 16-0005 EA Washout, Wall Hung, Vitreous China Urinal With Top Spud (American Standard Washbrook®)	690.39	109.74
22 42 13 16-0006 EA Blowout, Wall Hung, Vitreous China Urinal (American Standard Lynbrook™)	753.54	109.74
22 42 13 16-0007 EA Siphon Jet, Wall Hung, Vitreous China Urinal (American Standard Trimbroom™)	688.39	109.74
22 42 13 16-0008 EA Siphon Jet, Wall Hung, Vitreous China Urinal (American Standard Allbrook™)	585.13	109.74
22 42 13 16-0009 EA Washout, Wall Hung, Vitreous China Urinal (Toto® UT447E Or UT447EV)	706.37	109.74
22 42 13 16-0010 EA Washout, Wall Hung, Vitreous China Urinal (Toto® UT104E Or UT104EV)	607.51	109.74
22 42 13 16-0011 EA Washout, Wall Hung, Vitreous China Urinal (Zurn Z5798)	655.54	109.74
22 42 13 16-0012 EA 0.125 To 0.5 GPF, HEU, Washout, Wall Hung, Vitreous China Urinal (Sloan SU-1009-A)	600.44	109.74
22 42 13 16-0013 EA 1.0 GPF, HEU, Washout, Wall Hung, Vitreous China Urinal (Sloan SU-1006-A)	598.35	109.74
22 42 13 16-0014 Floor Mounted Urinals <small>(22 42 13 16-0001)</small>		
22 42 13 16-0015 EA Washout, Floor Mounted, Vitreous China Urinal (American Standard Stallbrook™)	927.37	138.46
22 42 13 16-0016 Waterfree Urinals <small>(22 42 13 16-0001)</small>		
22 42 13 16-0017 EA Waterfree, Wall Hung, Vitreous China Urinal (American Standard Small FloWise® Flush-Free)	530.30	76.93
<i>For Colored Fixtures, Add</i>	66.90	
<i>For >1, Deduct</i>	-31.22	
22 42 13 16-0018 EA Waterfree, Wall Hung, Vitreous China Urinal (American Standard Medium FloWise® Flush-Free)	592.79	76.93
<i>For Colored Fixtures, Add</i>	66.90	
<i>For >1, Deduct</i>	-38.35	

22 Plumbing**22 40 Plumbing Fixtures****22 42 Commercial Plumbing Fixtures**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 42 13 16-0019 EA Waterfree, Wall Hung, Vitreous China Urinal (American Standard Large FloWise® Flush-Free).....	624.04	76.93
For Colored Fixtures, Add	66.90	
For >1, Deduct	-41.91	
22 42 13 16-0020 EA Waterfree, Wall Hung, Vitreous China Urinal (Falcon F-1000)	694.42	76.93
For Colored Fixtures, Add	66.90	
For >1, Deduct	-49.93	
22 42 13 16-0021 EA Waterfree, Wall Hung, Vitreous China Urinal (Falcon F-2000)	646.28	76.93
For Colored Fixtures, Add	66.90	
For >1, Deduct	-44.45	
22 42 13 16-0022 EA Waterfree, Wall Hung, Vitreous China Urinal (Falcon F-4000)	524.46	76.93
For Colored Fixtures, Add	66.90	
For >1, Deduct	-30.56	
22 42 13 16-0023 EA Waterfree, Wall Hung, Vitreous China Urinal (Falcon F-5000)	524.46	76.93
For Colored Fixtures, Add	66.90	
For >1, Deduct	-30.56	
22 42 13 16-0024 EA Waterfree, Wall Hung, Vitreous China Urinal (Falcon F-7000)	620.17	76.93
For Colored Fixtures, Add	66.90	
For >1, Deduct	-41.47	
22 42 13 16-0025 EA Waterfree, Wall Hung, Stainless Steel Urinal (Falcon F-9000)	876.01	76.93
For >1, Deduct	-70.63	
22 42 13 16-0026 Stainless Steel Urinals (22 42 13 16)		
22 42 13 16-0027 EA Wall Hung Urinal, Stainless Steel, Blowout Jet (Acorn 2160-T-1).....	2,704.05	230.77
22 42 13 16-0028 EA 5' Wall Hung Trough Urinal, Stainless Steel With Strainer And Washdown Pipe (Elkay EU6014C)	3,496.38	282.05
22 42 13 16-0029 Urinal Carriers (22 42 13 16)		
22 42 13 16-0030 Floor Mounted, Urinal Carriers (22 42 13 16-0029)		
Note: Includes adjustable supporting rods, structural uprights and welded feet.		
22 42 13 16-0031 EA Floor Mounted Hanger Plate Type, Single Urinal Carrier	348.42	38.98
For Up To 4" Extension Sleeves And Hardware, Add	14.73	
22 42 13 16-0032 EA Floor Mounted Bearing Plate Type, Single Urinal Carrier	375.08	38.98
For Up To 4" Extension Sleeves And Hardware, Add	14.73	
22 42 13 16-0033 Wall Mounted, Urinal Carriers (22 42 13 16-0029)		
Note: Includes wall plate and adjustable supporting rods.		
22 42 13 16-0034 EA Wall Mounted Hanger Plate Type, Single Urinal Carrier	182.13	38.98
For Up To 6-1/2" Extension Sleeves And Hardware, Add	14.73	
22 42 13 16-0035 Urinal Flush Valves (22 42 13 16)		
22 42 13 16-0036 EA Exposed Manual Urinal Flush Valve, 3/4" Top Spud (Sloan Regal 186 XL)	186.80	34.97
Note: 0.5, 1.0 or 1.5 GPF.		
22 42 13 16-0037 EA Exposed Manual Urinal Flush Valve, 1-1/4" Top Spud (Sloan Regal 180).....	199.29	34.97
Note: 1.0, 1.5 or 3.5 GPF.		
22 42 13 16-0038 EA Concealed Manual Urinal Flush Valve, Back Spud (Sloan Royal 195)	258.94	34.97
Note: 1.0 or 1.5 GPF.		
22 42 13 16-0039 EA Concealed Manual Urinal Flush Valve, Top Spud (Sloan Royal 197).....	308.08	34.97
Note: 1.0 or 1.5 GPF.		
22 42 13 16-0040 EA Exposed Infrared Urinal Flush Valve (Sloan Royal 186-ES-S)	470.06	34.97
Note: 1.0 or 1.5 GPF.		
22 42 13 16-0041 EA Concealed Infrared Urinal Flush Valve, Back Spud (Sloan Royal 195-WB-ES-S)	622.97	34.97
Note: 0.5, 1.0 or 1.5 GPF.		
22 42 13 16-0042 EA Concealed Infrared Urinal Flush Valve, Top Spud (Sloan Royal 197-WB-ES-S).....	695.80	34.97
Note: 0.5, 1.0 or 1.5 GPF.		
22 42 13 16-0043 EA Exposed Battery Powered Urinal Flush Valve, Top Spud (Sloan G2 Opt+8186-1).....	462.75	34.97
Note: 1.0 GPF.		
22 42 13 16-0044 EA Exposed Infrared Urinal Flush Valve (Toto EcoPower TEU1LN)	579.06	34.97
Note: 0.5 GPF.		
22 42 13 16-0045 EA Exposed Infrared Urinal Flush Valve (3/4" V.B.) (Toto EcoPower TEU1LN12).....	627.35	34.97
Note: 0.5 GPF.		
22 42 13 16-0046 EA Concealed Infrared Urinal Flush Valve, 0.5 GPF (Toto EcoPower TEU2LN21 Or TEU3LN21).....	976.56	34.97
Note: 0.5 GPF.		
22 42 13 16-0047 EA Exposed Solar/Battery Powered Urinal Flush Valve, Top Spud (Sloan Solis 8186-0.13)	487.04	34.97
Note: 0.13 GPF.		
22 42 13 16-0048 EA Exposed Manual Urinal Flush Valve, 3/4" Top Spud (Zurn Z6003AV-ULF)	210.24	34.97
Note: 0.125 GPF.		
22 42 13 16-0049 EA Exposed Battery Powered Urinal Flush Valve, Top Spud (Zurn ZTR6203-ULF)	497.08	34.97
Note: 0.125 GPF.		
22 42 13 16-0050 EA Exposed Infrared Urinal Flush Valve (Zurn ZEMS6003AV-ULF-IS).....	509.45	34.97
Note: 0.125 GPF.		
22 42 13 16-0051 Removal And Reinstallation Of Fixtures And Trim (22 42 13 16)		
Note: Includes storage, cleaning and supply materials for reconnecting pipe to fixture.		
22 42 13 16-0052 EA Removal And Reinstallation Of Wall Hung Urinal With Flush Valve.....	467.23	
22 42 16 Commercial Lavatories And Sinks (22 42)		



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Plumbing Fixtures	22 40	
Commercial Plumbing Fixtures	22 42	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 42 16 00-0001 Lavatories <small>(22 42 16)</small>		
<small>Note: Includes trap, drain and supply valves. Excludes faucets. See CSI section 22 42 39 00-0000 for faucets.</small>		
22 42 16 00-0002 Wall Hung Lavatories <small>(22 42 16 00-0001)</small>		
22 42 16 00-0003 EA 19" x 17" Porcelain Enameled Cast Iron Wall Hung Lavatory (American Standard Regalyn™)	513.94	68.71
22 42 16 00-0004 EA 20" x 18" Porcelain Enameled Cast Iron Wall Hung Lavatory (American Standard Regalyn™)	536.55	68.71
22 42 16 00-0005 EA 22" x 19" Porcelain Enameled Cast Iron Wall Hung Lavatory (Kohler® Hampton™)	679.26	68.71
22 42 16 00-0006 EA 18" x 16" Vitreous China Wall Hung Lavatory (American Standard Penlyn™)	472.73	68.71
22 42 16 00-0007 EA 19" x 17" Vitreous China Wall Hung Lavatory (American Standard Declyn™)	409.57	68.71
22 42 16 00-0008 EA 20" x 18" Vitreous China Wall Hung Lavatory (American Standard Roxalyn™)	483.36	68.71
22 42 16 00-0009 EA 20" x 18" Vitreous China Wall Hung Lavatory (Kohler® Soho®)	513.57	68.71
22 42 16 00-0010 EA 20" x 18" Vitreous China Wall Hung Lavatory (American Standard Lucerne™)	428.19	68.71
22 42 16 00-0011 EA 27" x 20" Wheelchair Accessible, Vitreous China Wall Hung Lavatory (American Standard Wheel Chair Users)	602.36	68.71
22 42 16 00-0012 Countertop Lavatories <small>(22 42 16 00-0001)</small>		
22 42 16 00-0013 EA 20" x 18" Oval Vitreous China Countertop Lavatory (Kohler® Pennington®)	473.44	83.08
22 42 16 00-0014 EA 21" x 18" Vitreous China Countertop Lavatory (American Standard Cadet™ Oval)	481.54	83.08
22 42 16 00-0015 EA 19" Diameter Enameled Steel Countertop Lavatory (American Standard Colony Round™)	450.29	83.08
22 42 16 00-0016 EA 19" x 16" Enameled Cast Iron Countertop Lavatory (Kohler® Farmington™)	504.19	83.08
22 42 16 00-0017 EA 19" x 16" Enameled Cast Iron Countertop Lavatory (Kohler® Ellington™)	528.20	83.08
22 42 16 00-0018 EA 24" x 18" Enameled Cast Iron Countertop Lavatory (Kohler® Thoreau®)	668.63	89.74
22 42 16 00-0019 Undercounter Lavatories <small>(22 42 16 00-0001)</small>		
22 42 16 00-0020 EA 15" x 12" Vitreous China Undercounter Lavatory (American Standard Ovalyn™)	485.03	83.08
22 42 16 00-0021 EA 17" x 14" Vitreous China Undercounter Lavatory (American Standard Ovalyn™)	455.12	83.08
22 42 16 00-0022 EA 19" x 16" Vitreous China Undercounter Lavatory (American Standard Ovalyn™)	455.12	83.08
22 42 16 00-0023 EA 21" x 17" Vitreous China Undercounter Lavatory (American Standard Ovalyn™)	491.45	83.08
22 42 16 00-0024 EA 15" x 12" Oval Vitreous China Undercounter Lavatory (Kohler® Caxton®)	467.99	83.08
22 42 16 00-0025 EA 17" x 14" Oval Vitreous China Undercounter Lavatory (Kohler® Caxton®)	462.48	83.08
22 42 16 00-0026 EA 19" x 15" Oval Vitreous China Undercounter Lavatory (Kohler® Caxton®)	468.09	83.08
22 42 16 00-0027 EA 21" x 17" Oval Vitreous China Undercounter Lavatory (Crane Tiara™)	451.19	83.08
22 42 16 00-0028 EA 18" x 12" Rectangular Vitreous China Undercounter Lavatory (Kohler® Ladena®)	591.95	83.08
22 42 16 00-0029 EA 21" x 14" Rectangular Vitreous China Undercounter Lavatory (Kohler® Ladena®)	591.95	83.08
22 42 16 00-0030 Pedestal Lavatories <small>(22 42 16 00-0001)</small>		
22 42 16 00-0031 EA 19" x 21" x 34" High Vitreous China Pedestal Sink (American Standard Colony™)	526.91	197.43
22 42 16 00-0032 Pre-Molded Culture Marble Lavatory Vanity <small>(22 42 16 00-0001)</small>		
<small>Note: Includes splash. Single sink, center or offset. Bowl is either oval, shell shape or rectangular.</small>		
22 42 16 00-0033 EA 17" x 20" Pre-Molded Culture Marble Vanity Top With Lavatory	222.57	64.10
<i>For Colored Fixtures, Add</i>	27.36	
22 42 16 00-0034 EA 18" x 24" Pre-Molded Culture Marble Vanity Top With Lavatory	271.09	76.93
<i>For Colored Fixtures, Add</i>	34.01	
22 42 16 00-0035 EA 18" x 30" Pre-Molded Culture Marble Vanity Top With Lavatory	296.24	82.05
<i>For Colored Fixtures, Add</i>	38.33	
22 42 16 00-0036 EA 18" x 36" Pre-Molded Culture Marble Vanity Top With Lavatory	317.97	87.18
<i>For Colored Fixtures, Add</i>	41.66	
22 42 16 00-0037 EA 19" x 25" Pre-Molded Culture Marble Vanity Top With Lavatory	276.82	76.93
<i>For Colored Fixtures, Add</i>	35.67	
22 42 16 00-0038 EA 19" x 31" Pre-Molded Culture Marble Vanity Top With Lavatory	299.66	82.05
<i>For Colored Fixtures, Add</i>	39.33	
22 42 16 00-0039 EA 19" x 37" Pre-Molded Culture Marble Vanity Top With Lavatory	320.25	87.18
<i>For Colored Fixtures, Add</i>	42.32	
22 42 16 00-0040 EA 19" x 43" Pre-Molded Culture Marble Vanity Top With Lavatory	354.02	89.74
<i>For Colored Fixtures, Add</i>	50.63	
22 42 16 00-0041 EA 19" x 49" Pre-Molded Culture Marble Vanity Top With Lavatory	382.11	92.31
<i>For Colored Fixtures, Add</i>	57.28	
22 42 16 00-0042 EA 22" x 25" Pre-Molded Culture Marble Vanity Top With Lavatory	299.75	76.93
<i>For Colored Fixtures, Add</i>	42.32	
22 42 16 00-0043 EA 22" x 31" Pre-Molded Culture Marble Vanity Top With Lavatory	338.63	82.05
<i>For Colored Fixtures, Add</i>	50.63	
22 42 16 00-0044 EA 22" x 37" Pre-Molded Culture Marble Vanity Top With Lavatory	360.36	87.18
<i>For Colored Fixtures, Add</i>	53.95	
22 42 16 00-0045 EA 22" x 43" Pre-Molded Culture Marble Vanity Top With Lavatory	383.82	89.74
<i>For Colored Fixtures, Add</i>	59.27	
22 42 16 00-0046 EA 22" x 49" Pre-Molded Culture Marble Vanity Top With Lavatory	405.03	92.31
<i>For Colored Fixtures, Add</i>	63.93	
22 42 16 00-0047 EA 22" x 55" Pre-Molded Culture Marble Vanity Top With Lavatory	433.62	97.43
<i>For Colored Fixtures, Add</i>	69.25	
22 42 16 00-0048 Stainless Steel Lavatories <small>(22 42 16 00-0001)</small>		
22 42 16 00-0049 EA 18" x 15" Wall Mounted Lavatory, Stainless Steel (Acorn 1950-1)	1,406.38	179.49
22 42 16 00-0050 Solid Surface Multi-Station Lavatory Systems <small>(22 42 16 00-0001)</small>		
<small>Note: ADA compliant. Includes integral faucets.</small>		

22 Plumbing**22 40 Plumbing Fixtures****22 42 Commercial Plumbing Fixtures**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 42 16 00-0051 EA 2 Station, Solid Surface Multi-Station Lavatory System With Integral Sprayheads And Infrared Controls (Bradley MG-2)	3,601.19	138.48
For Integral Liquid Soap Dispenser, Add	171.00	
For Integral Photovoltaic Power Panels, Add	563.00	
22 42 16 00-0052 EA 3 Station, Solid Surface Multi-Station Lavatory System With Integral Sprayheads And Infrared Controls (Bradley MG-3)	5,233.62	138.48
For Integral Liquid Soap Dispenser, Add	171.00	
For Integral Photovoltaic Power Panels, Add	657.00	
22 42 16 00-0053 EA 12" Length, Solid Surface Countertop Extension (Bradley MG-EXT-12)	267.88	46.16
22 42 16 00-0054 EA 18" Length, Solid Surface Countertop Extension (Bradley MG-EXT-18)	323.39	46.16
22 42 16 00-0055 EA 36" Length, Solid Surface Countertop Extension (Bradley MG-EXT-36)	606.11	46.16
22 42 16 00-0056 Sinks (22 42 16) Note: Includes drain, trap and supply valves. Excludes faucets. See CSI section 22 42 39 00-0000 for faucets.		
22 42 16 00-0057 Kitchen Sinks (22 42 16 00-0056)		
22 42 16 00-0058 EA 25" x 22" x 8-3/4" Enameled Cast Iron Kitchen Sink, Single Bowl (Kohler® Mayfield®).....	658.16	96.41
22 42 16 00-0059 EA 22" x 33" x 9-5/8" Enameled Cast Iron Kitchen Sink, Double Bowl (Kohler® Brookfield®).....	868.04	109.74
22 42 16 00-0060 EA 15" x 17" x 7-1/4" Stainless Steel Kitchen Sink, Single Bowl, 20 Gauge (Elkay PSR1517).....	782.83	94.36
For 18 Gauge, Add	199.11	
22 42 16 00-0061 EA 17" x 22" x 7-1/4" Stainless Steel Kitchen Sink, Single Bowl, 20 Gauge (Elkay PSR1722).....	801.57	94.36
For 18 Gauge, Add	208.48	
22 42 16 00-0062 EA 22" x 22" x 7-1/4" Stainless Steel Kitchen Sink, Single Bowl, 20 Gauge (Elkay PSR2222).....	843.75	94.36
For 18 Gauge, Add	229.57	
22 42 16 00-0063 EA 25" x 22" x 7-1/2" Stainless Steel Kitchen Sink, Single Bowl, 20 Gauge (Elkay PSR2522).....	884.17	96.41
For 18 Gauge, Add	243.63	
22 42 16 00-0064 EA 31" x 22" x 7-1/4" Stainless Steel Kitchen Sink, Single Bowl, 20 Gauge (Elkay PSR3122).....	1,107.67	109.74
For 18 Gauge, Add	335.80	
22 42 16 00-0065 EA 33" x 21" x 7-1/2" Stainless Steel Kitchen Sink, Double Bowl, 20 Gauge (Elkay PSR3321).....	1,130.35	109.74
For 18 Gauge, Add	346.96	
22 42 16 00-0066 EA 33" x 22" x 8" Stainless Steel Kitchen Sink, Double Bowl, 18 Gauge (Elkay LR3322).....	1,429.51	109.74
22 42 16 00-0067 EA 15" x 17" x 10" Stainless Steel Kitchen Sink, Single Bowl, 18 Gauge (Elkay DLR151710).....	1,086.67	94.36
22 42 16 00-0068 EA 17" x 22" x 10" Stainless Steel Kitchen Sink, Single Bowl, 18 Gauge (Elkay DLR172210).....	1,107.76	94.36
22 42 16 00-0069 EA 22" x 22" x 10" Stainless Steel Kitchen Sink, Single Bowl, 18 Gauge (Elkay DLR222210).....	1,160.88	94.36
22 42 16 00-0070 EA 25" x 22" x 10" Stainless Steel Kitchen Sink, Single Bowl, 18 Gauge (Elkay DLR252210).....	1,234.88	96.41
22 42 16 00-0071 EA 31" x 22" x 11-1/2" Stainless Steel Kitchen Sink, Single Bowl, 18 Gauge (Elkay DLR312210).....	1,489.63	109.74
22 42 16 00-0072 Undermount Kitchen Sinks (22 42 16 00-0056)		
22 42 16 00-0073 EA 21" x 15" x 7-1/2" Stainless Steel Kitchen Sink, Single Bowl, 18 Gauge (Elkay ELU2115) With Strainer (Elkay LK99).....	974.13	94.36
22 42 16 00-0074 EA 21" x 15" x 10" Stainless Steel Kitchen Sink, Single Bowl, 18 Gauge (Elkay ELU211510) With Strainer (Elkay LK99).....	971.85	94.36
22 42 16 00-0075 EA 21" x 15" x 7-1/2" Stainless Steel Kitchen Sink With Cutting Board, Single Bowl, 18 Gauge (Elkay ELUH2115) With Strainer (Elkay LK99).....	981.94	94.36
22 42 16 00-0076 EA 21" x 15" x 10" Stainless Steel Kitchen Sink With Cutting Board, Single Bowl, 18 Gauge (Elkay ELUH211510) With Strainer (Elkay LK99).....	1,035.06	94.36
22 42 16 00-0077 Multi-Station Wash Sink, Wall Mounted (22 42 16 00-0056) Note: Includes concealed wall hanger, soap dish(s), strainer, supply lines and P-Trap. Excludes faucets.		
22 42 16 00-0078 EA 36" Wide, 2 Station Enameled Cast Iron Multi-Station Wash Sink (Kohler® Brockway™)	1,842.68	166.67
Note: Excludes faucets.		
22 42 16 00-0079 EA 48" Wide, 2 Station Enameled Cast Iron Multi-Station Wash Sink (Kohler® Brockway™)	2,449.67	179.49
Note: Excludes faucets.		
22 42 16 00-0080 EA 60" Wide, 3 Station Enameled Cast Iron Multi-Station Wash Sink (Kohler® Brockway™)	2,812.43	192.30
Note: Excludes faucets.		
22 42 16 00-0081 EA 72" Wide, 3 Station Enameled Cast Iron Multi-Station Wash Sink (Kohler® Brockway™)	3,072.44	205.12
Note: Excludes faucets.		
22 42 16 00-0082 EA 48" Wide, 2 Station Stainless Steel Multi-Station Wash Sink (Bradley 6951)	1,980.60	128.21
Note: Excludes faucets.		
22 42 16 00-0083 EA 62" Wide, 3 Station Stainless Steel Multi-Station Wash Sink (Bradley 6951)	2,199.06	141.02
Note: Excludes faucets.		
22 42 16 00-0084 EA 80" Wide, 4 Station Stainless Steel Multi-Station Wash Sink (Bradley 6951)	2,413.32	153.84
Note: Excludes faucets.		
22 42 16 00-0085 EA 102" Wide, 5 Station Stainless Steel Multi-Station Wash Sink (Bradley 6951)	2,680.51	173.07
Note: Excludes faucets.		
22 42 16 00-0086 EA 27" Diameter, 2 Person, Stainless Steel, Sensor Operated Compact Wash Fountain.....	2,574.95	282.05
Note: Includes sensor operated spray heads.		
22 42 16 00-0087 Laundry Sinks (22 42 16 00-0056)		
22 42 16 00-0088 EA 23" x 21" Molded Stone Single Laundry Sink, Floor Mounted With Enamel Steel Legs (Fiat Products FL-1).....	610.95	109.74
22 42 16 00-0089 EA 40" x 24" Molded Stone Double Laundry Sink, Floor Mounted With Enamel Steel Legs (Fiat Products FLTD-II).....	706.01	109.74
22 42 16 00-0090 EA 22" x 17" Molded Stone Single Laundry Sink, Drop-In (Fiat Products DL1).....	609.07	109.74
22 42 16 00-0091 EA 24" x 21" Enameled Cast Iron Single Laundry Sink, Floor Mounted With Metal Stand (Eljer 222-2210)	945.05	109.74
22 42 16 00-0092 EA 48" x 21" Enameled Cast Iron Double Laundry Sink, Floor Mounted With Metal Stand (Eljer 222-2220)	1,351.15	123.08
22 42 16 00-0093 Refinish Sink/Lavatory (22 42 16 00-0056)		
22 42 16 00-0094 EA Refinish Sink/Lavatory	234.55	



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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 42 16 00-0095 Service Sinks <small>(22 42 16 00-0056)</small>		
22 42 16 00-0096 EA 22" x 18" Enameled Cast Iron Wall Mount Service Sink With Stainless Steel Rim Guard, Trap Standard (American Standard Lakewell™)	932.67	165.13
22 42 16 00-0097 EA 24" x 20" Enameled Cast Iron Wall Mount Service Sink With Stainless Steel Rim Guard, Trap Standard (American Standard Akron™)	984.52	165.13
22 42 16 00-0098 EA 28" x 28" Enameled Cast Iron Floor Type Corner Service Sink With Removable Vinyl Coated Rim Guard (American Standard Florwell™)	1,260.27	218.46
22 42 16 00-0099 EA 12" x 12" x 10" Cast Iron Floor Sink With Dome Strainer And Full Grate (Zurn FD2377-PO3-F)	528.01	153.84
22 42 16 00-0100 EA 24" x 24" x 10" Plastic Composite Mop Service Sink With Combination Dome Strainer And Stainless Steel Lint Basket (Fiat Products MSB2424)	610.79	153.84
22 42 16 00-0101 EA 36" x 24" x 10" Plastic Composite Mop Service Sink With Combination Dome Strainer And Stainless Steel Lint Basket (Fiat Products MSB3624)	676.99	184.61
22 42 16 00-0102 EA 24" x 24" x 10" Molded Stone Mop Service Sink With Strainer (Swanstone MS-2424-010)	568.72	153.84
22 42 16 00-0103 EA 36" x 24" x 10" Molded Stone Mop Service Sink With Strainer (Swanstone MS-2436-010)	648.32	184.61
22 42 16 00-0104 EA 24" x 24" x 12" Terrazzo Mop Service Sink With Strainer (Acorn TSH-24)	638.27	153.84
22 42 16 00-0105 EA 36" x 24" x 12" Terrazzo Mop Service Sink With Strainer (Acorn TSH-3624)	783.07	184.61
22 42 16 00-0106 Stainless Steel Sink And Drainboard <small>(22 42 16 00-0056)</small>		
22 42 16 00-0107 EA 24" x 24" Stainless Steel Sink With One Compartment And Drainboard , 14 Gauge Stainless Steel With Tubular Adjustable Legs (Advance Tabco 94-41-24-24L)	2,739.01	256.41
22 42 16 00-0108 Soapstone Sinks <small>(22 42 16 00-0056)</small>		
22 42 16 00-0109 EA 26-1/2" x 18-1/2" x 7-3/4" Single Bowl Soapstone Sink	1,052.83	94.36
22 42 16 00-0110 SF Soapstone Sink Backsplash	149.00	
22 42 16 00-0111 EA 30" x 18-1/2" x 10" Single Bowl Soapstone Sink	1,341.37	109.74
22 42 16 00-0112 EA 36" x 18-1/2" x 10" Double Bowl Soapstone Sink	1,569.46	109.74
22 42 16 00-0113 Fixture Carriers <small>(22 42 16)</small>		
22 42 16 00-0114 Lavatory Carriers <small>(22 42 16 00-0113)</small>		
22 42 16 00-0115 Floor Mounted, Lavatory Carriers <small>(22 42 16 00-0114)</small>		
22 42 16 00-0116 Floor Mounted Plate Type, Lavatory Carriers <small>(22 42 16 00-0115)</small>		
Note: Includes adjustable supporting rods, structural uprights and welded feet.		
22 42 16 00-0117 EA Floor Mounted Hanger Plate Type, Single Lavatory Carrier	348.42	38.98
For Up To 4" Extension Sleeves And Hardware, Add	14.73	
For Valve Plate For Attaching To Upright, Add	56.80	
For Corner Carrier, Add	110.80	
22 42 16 00-0118 EA Floor Mounted Bearing Plate Type, Single Lavatory Carrier	375.08	38.98
For Up To 4" Extension Sleeves And Hardware, Add	14.73	
For Valve Plate For Attaching To Upright, Add	56.80	
22 42 16 00-0119 EA Floor Mounted Hanger Plate Type, Double Lavatory (Back To Back) Carrier	422.09	38.98
For Up To 4" Extension Sleeves And Hardware, Add	29.47	
For Valve Plate For Attaching To Upright, Add	113.60	
22 42 16 00-0120 EA Floor Mounted Bearing Plate Type, Double Lavatory (Back To Back) Carrier	476.12	38.98
For Up To 4" Extension Sleeves And Hardware, Add	29.47	
For Valve Plate For Attaching To Upright, Add	113.60	
22 42 16 00-0121 Floor Mounted, Lavatory Carriers With Arms <small>(22 42 16 00-0115)</small>		
Note: Includes leveling and securing screws, structural uprights and welded feet.		
22 42 16 00-0122 EA Floor Mounted, Single Lavatory Carrier With Concealed Arms	442.59	46.15
For Up To 6-1/2" Extension Sleeves And Hardware, Add	14.73	
For Concealed Arm Carrier For Wheelchair Lavatory, Add	20.35	
For Valve Plate For Attaching To Upright, Add	58.85	
For 2" Chrome Plated Escutcheons, Add	49.82	
For 4" Or 6" Chrome Plated Escutcheons, Add	90.51	
22 42 16 00-0123 EA Floor Mounted, Single Lavatory Carrier With Exposed Acid Resistant White Coated Arms	571.70	46.15
For Up To 4-1/2" Extension Sleeves And Hardware, Add	14.73	
For Vandal Proof Trim, Add	40.00	
For Valve Plate For Attaching To Upright, Add	58.85	
For Heavy Duty Carrier, Add	51.22	
22 42 16 00-0124 EA Floor Mounted, Double Lavatory (Back To Back) Carrier With Concealed Arms	570.99	46.15
For Up To 6-1/2" Extension Sleeves And Hardware, Add	29.47	
For Concealed Arm Carrier For Wheelchair Lavatory, Add	40.70	
For Valve Plate For Attaching To Upright, Add	117.70	
For 2" Chrome Plated Escutcheons, Add	99.63	
For 4" Or 6" Chrome Plated Escutcheons, Add	181.02	
22 42 16 00-0125 EA Floor Mounted, Double Lavatory (Back To Back) Carrier With Exposed Acid Resistant White Coated Arms	817.98	46.15
For Up To 4-1/2" Extension Sleeves And Hardware, Add	29.47	
For Vandal Proof Trim, Add	80.00	
For Valve Plate For Attaching To Upright, Add	117.70	
For Heavy Duty Carrier, Add	102.44	
22 42 16 00-0126 Wall Mounted, Lavatory Carriers <small>(22 42 16 00-0114)</small>		

22	Plumbing
22 40	Plumbing Fixtures
22 42	Commercial Plumbing Fixtures



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 42 16 00-0127 Wall Mounted Plate Type, Lavatory Carriers (22 42 16 00-0126) Note: Includes wall plate and adjustable supporting rods.		
22 42 16 00-0128 EA Wall Mounted Hanger Plate Type, Single Lavatory Carrier..... For Double Plate Carrier, Add	182.13 47.32	38.98
22 42 16 00-0129 Wall Mounted Plate Type, Lavatory Carriers With Arms (22 42 16 00-0126) Note: Includes wall plate and leveling and securing screws.		
22 42 16 00-0130 EA Wall Mounted Fixed Steel Plate Type, Single Lavatory Carrier With Concealed Arms For Up To 4" Extension Sleeves And Hardware, Add For 2" Chrome Plated Escutcheons, Add	279.11 14.73 49.82	46.15
22 42 16 00-0131 EA Wall Mounted Adjustable Plate Type, Single Lavatory Carrier With Concealed Arms For Movable Mounting Brackets, Deduct For Up To 4" Extension Sleeves And Hardware, Add For 2" Chrome Plated Escutcheons, Add For 4" Or 6" Chrome Plated Escutcheons, Add	318.40 -37.89 14.73 49.82 90.51	46.15
22 42 16 00-0132 EA Wall Mounted Adjustable Plate Type, Single Lavatory Carrier With Exposed Acid Resistant White Coated Arms For Up To 4-1/2" Extension Sleeves And Hardware, Add For Vandal Proof Trim, Add	439.79 14.73 40.00	46.15
22 42 16 00-0133 Sink Carriers (22 42 16 00-0113)		
22 42 16 00-0134 Floor Mounted, Sink Carriers (22 42 16 00-0133) Note: With support plates, adjustable coupling with 4" piping connection, mounting studs, structural uprights, welded feet and chrome plated trim.		
22 42 16 00-0135 EA Floor Mounted Heavy Duty Support Plate Type, Single Sink Carrier With 4" Adjustable Coupling..... For Vandal Proof Trim, Add For Valve Plate For Attaching To Upright, Add	485.24 40.00 56.80	38.98
22 42 16 00-0136 EA Floor Mounted Heavy Duty Support Plate Type, Single Sink Carrier With 4" Adjustable Coupling And 4" x 2" Waste Fitting..... For Vandal Proof Trim, Add For Auxiliary Vent, Add	725.90 40.00 123.47	38.98
22 42 16 00-0137 EA Floor Mounted Heavy Duty Support Plate Type, Single Sink Carrier With Exposed Acid Resistant White Coated Arms For Up To 4" Extension Sleeves And Hardware, Add For Vandal Proof Trim, Add	897.11 30.17 40.00	38.98
22 42 16 00-0138 Removal And Reinstallation Of Fixtures And Trim (22 42 16) Note: Includes storage, cleaning and supply materials for reconnecting pipe to fixture.		
22 42 16 00-0139 EA Removal And Reinstallation Of Wall Hung Lavatory With Faucet.....	301.65	
22 42 16 00-0140 EA Removal And Reinstallation Of Wall Hung Service Sink With Faucet.....	413.56	
22 42 19 Commercial Bathtubs (22 42)		
22 42 19 00-0001 Recessed Alcove Bathtubs (22 42 19)		
22 42 19 00-0002 Porcelain Enameled Cast Iron, Recessed Alcove Bathtubs (22 42 19 00-0001)		
22 42 19 00-0003 EA 54" x 30-1/4" x 14", Porcelain Enameled Cast Iron, Recessed Alcove Bathtub (Kohler® Seaforth™).....	1,453.89	285.12
22 42 19 00-0004 EA 60" x 30" x 14", Porcelain Enameled Cast Iron, Recessed Alcove Bathtub (Kohler® Villager®).....	798.64	285.12
22 42 19 00-0005 EA 60" x 32" x 16-1/4", Porcelain Enameled Cast Iron, Recessed Alcove Bathtub (Kohler® Mendota®).....	1,249.70	285.12
22 42 19 00-0006 EA 60" x 32" x 16-1/4", Porcelain Enameled Cast Iron, Recessed Alcove Bathtub (Kohler® Dynametric®).....	1,459.02	285.12
22 42 19 00-0007 EA 66" x 32" x 16-1/4", Porcelain Enameled Cast Iron, Recessed Alcove Bathtub (Kohler® Dynametric®).....	1,869.68	285.12
22 42 19 00-0008 EA 66-1/4" x 32" x 16", Porcelain Enameled Cast Iron, Recessed Alcove Bathtub (American Standard Spectra™).....	1,605.80	285.12
22 42 19 00-0009 Porcelain Enameled Steel, Recessed Alcove Bathtubs (22 42 19 00-0001)		
22 42 19 00-0010 EA 60" x 30" x 14-1/4", Porcelain Enameled Steel, Recessed Alcove Bathtub (American Standard New Salem®).....	659.81	285.12
22 42 19 00-0011 EA 60" x 30" x 16-5/8", Porcelain Enameled Steel, Recessed Alcove Bathtub (American Standard New Solar®).....	674.43	285.12
22 42 19 00-0012 Porcelain Finished Metal Alloy, Recessed Alcove Bathtubs (22 42 19 00-0001)		
22 42 19 00-0013 EA 60" x 32" x 17-3/4", Porcelain Finished Metal Alloy, Recessed Alcove Bathtub (American Standard Cambridge™).....	962.28	285.12
22 42 19 00-0014 Acrylic, Recessed Alcove Bathtubs (22 42 19 00-0001)		
22 42 19 00-0015 EA 60" x 32" x 19", Acrylic, Recessed Alcove Bathtub (Kohler® Archer®).....	989.94	285.12
22 42 19 00-0016 EA 60" x 36" x 20", Acrylic, Recessed Alcove Bathtub (Kohler® Mariposa®).....	1,166.72	285.12
22 42 19 00-0017 EA 66" x 36" x 20", Acrylic, Recessed Alcove Bathtub (Kohler® Mariposa®).....	1,189.55	285.12
22 42 19 00-0018 EA 72" x 36" x 20", Acrylic, Recessed Alcove Bathtub (Kohler® Mariposa®).....	1,175.52	285.12
22 42 19 00-0019 EA 72" x 42" x 21", Acrylic, Recessed Alcove Bathtub (Kohler® Windward®).....	1,226.00	285.12
22 42 19 00-0020 Bathtub Refinishing (22 42 19 00-0001)		
22 42 19 00-0021 EA Refinish Porcelain Finished Bathtub With Acrylic Urethane Enamel.....	512.84	
22 42 19 00-0022 Tub And Shower Combinations (22 42 19)		
22 42 19 00-0023 Acrylic Tub And Shower Combination (22 42 19 00-0022)		



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 42 19 00-0024	EA			1 Piece, 60" x 32" x 72" Acrylic Tub And Shower (Delta 226032)..... <i>For 2 Piece Enclosure, Deduct</i>	820.49 -184.10	99.70
22 42 19 00-0025				Fiberglass Tub And Shower Combination (22 42 19 00-0022)		
22 42 19 00-0026	EA			1 Piece 60" x 32" x 72" Fiberglass Tub And Shower (Aquatic 2603-SG).....	802.32	99.70
22 42 19 00-0027	EA			2 Piece 60" x 30" x 72" Fiberglass Tub And Shower (Aquatic 2603-2P).....	636.81	66.47
22 42 19 00-0028	EA			4 Piece 60" x 32" x 75-1/2" Fiberglass Tub And Shower (Aquatic 26030-4P)	1,271.57	150.48
22 42 19 00-0029	EA			3 Piece Tub/Shower Surrounds, 32" x 72" Side Walls, 48" x 72" Back, (Swanstone SK-324872)..... <i>For 2 Piece Enclosure, Deduct</i>	1,883.52 -397.21	270.69
22 42 23				Commercial Showers (22 42)		
22 42 23 00-0001				Shower Enclosures (22 42 23) Note: Includes precast concrete receptors. Excludes plumbing hook-up and door or curtain.		
22 42 23 00-0002				Stainless Steel Shower Enclosure (22 42 23 00-0001)		
22 42 23 00-0003	EA			36" x 36" x 82" Stainless Steel Interior And Exterior Shower Enclosure, Single Access Front Opening (Crane Plumbing, Fiat S86 Commander)	2,896.78	165.43
22 42 23 00-0004	EA			36" x 38" x 82" Stainless Steel Interior And Exterior Shower Enclosure, Double Access Walk Through (Crane Plumbing, Fiat S91 Commander)	2,896.78	165.43
22 42 23 00-0005	EA			37" x 37" x 82" Stainless Steel Interior And Exterior Shower Enclosure, Double Access Corner Opening (Crane Plumbing, Fiat S92 Commander)	2,896.78	165.42
22 42 23 00-0006	EA			38"x 38" x 82" Stainless Steel Interior And Exterior Shower Enclosure, Single Access Front Opening Corner (Crane Plumbing, Fiat S101 Commander)	2,896.78	165.42
22 42 23 00-0007				Powder Coated Or Baked Enamel Steel Shower Enclosure (22 42 23 00-0001)		
22 42 23 00-0008	EA			39" x 39" x 82" Baked Enamel Wonder Wall Steel Shower Enclosure (Crane Plumbing, Fiat S115 Commander).....	3,402.09	165.42
22 42 23 00-0009	EA			39" x 48" x 82" Baked Enamel Wonder Wall Steel Shower Enclosure (Crane Plumbing, Fiat S125 Commander).....	4,419.59	165.42
22 42 23 00-0010	EA			32" x 32" x 82" Baked Enamel Steel Shower Enclosure (General Partitions)	930.84	165.42
22 42 23 00-0011	EA			36" x 36" x 82" Baked Enamel Steel Shower Enclosure (General Partitions)	930.84	165.42
22 42 23 00-0012	EA			40" x 40" x 82" Baked Enamel Steel Shower Enclosure (General Partitions)	1,314.84	165.42
22 42 23 00-0013	EA			40" x 48" x 82" Handicapped, Baked Enamel Steel Shower Enclosure (General Partitions)	1,428.84	165.42
22 42 23 00-0014				Solid Plastic Core High Density Polymer (HDP) Shower Enclosure (22 42 23 00-0001)		
22 42 23 00-0015	EA			32" x 32" x 82" Single Opening Solid Plastic Shower Enclosure (General Partitions).....	1,416.84	165.42
22 42 23 00-0016	EA			36" x 36" x 82" Single Opening Solid Plastic Shower Enclosure (General Partitions).....	1,416.84	165.42
22 42 23 00-0017	EA			40" x 40" x 82" Single Opening Solid Plastic Shower Enclosure (General Partitions).....	1,956.84	165.42
22 42 23 00-0018	EA			40" x 48" x 82" Handicapped, Solid Plastic Shower Enclosure (General Partitions).....	2,166.84	165.42
22 42 23 00-0019				1 Piece Shower Units (22 42 23)		
22 42 23 00-0020	EA			1 Piece, 32" x 32" x 73" Fiberglass Shower With Drain (Swanstone FS03232).....	719.22	99.70
22 42 23 00-0021	EA			1 Piece, 36" x 36" x 73" Fiberglass Shower With Drain (Swanstone FS03636).....	787.07	99.70
22 42 23 00-0022				Personnel Type Shower Receptors (22 42 23)		
22 42 23 00-0023				Acrylic Shower Receptors (22 42 23 00-0022)		
22 42 23 00-0024	EA			36" x 36" Acrylic Shower Receptor	380.28	41.79
22 42 23 00-0025	EA			42" x 42" Acrylic Shower Receptor	400.37	41.79
22 42 23 00-0026	EA			48" x 48" Acrylic Shower Receptor	440.50	41.79
22 42 23 00-0027	EA			60" x 60" Acrylic Shower Receptor	535.26	50.15
22 42 23 00-0028	EA			48" x 32" Acrylic Shower Receptor	381.22	41.79
22 42 23 00-0029	EA			48" x 36" Acrylic Shower Receptor	407.65	41.79
22 42 23 00-0030	EA			48" x 42" Acrylic Shower Receptor	456.82	41.79
22 42 23 00-0031	EA			60" x 30" Acrylic Shower Receptor	654.92	83.41
22 42 23 00-0032	EA			60" x 32" Acrylic Shower Receptor	510.25	50.15
22 42 23 00-0033	EA			60" x 36" Acrylic Shower Receptor	513.65	50.15
22 42 23 00-0034	EA			60" x 42" Acrylic Shower Receptor	516.77	50.15
22 42 23 00-0035	EA			60" x 48" Acrylic Shower Receptor	565.63	50.15
22 42 23 00-0036	EA			36" x 36" Acrylic Corner Shower Receptor	541.37	41.79
22 42 23 00-0037	EA			42" x 42" Acrylic Corner Shower Receptor	617.22	41.79
22 42 23 00-0038	EA			47-1/2" x 47-1/2" Acrylic Corner Shower Receptor	917.57	79.24
22 42 23 00-0039				Molded Stone Shower Receptors (22 42 23 00-0022)		
22 42 23 00-0040	EA			32" x 32" Molded Stone Shower Receptor (Fiat 32WL)	263.41	41.79
22 42 23 00-0041	EA			34" x 34" Molded Stone Shower Receptor (Fiat 34WL)	274.75	41.79
22 42 23 00-0042	EA			36" x 36" Molded Stone Shower Receptor (Fiat 36WL)	276.01	41.79
22 42 23 00-0043	EA			42" x 42" Molded Stone Shower Receptor (Fiat 4242WL)	332.08	41.79
22 42 23 00-0044	EA			42" x 34" Molded Stone Shower Receptor (Fiat 42WL)	298.06	41.79
22 42 23 00-0045	EA			48" x 32" Molded Stone Shower Receptor (Fiat 4832WL)	313.81	41.79
22 42 23 00-0046	EA			48" x 34" Molded Stone Shower Receptor (Fiat 48WL)	315.70	41.79
22 42 23 00-0047	EA			54" x 34" Molded Stone Shower Receptor (Fiat 54WL)	366.86	50.15
22 42 23 00-0048	EA			60" x 34" Molded Stone Shower Receptor (Fiat 60WL)	378.83	50.15
22 42 23 00-0049	EA			36" x 36" Molded Stone Corner Shower Receptor (Fiat 36WLC).....	301.21	41.79
22 42 23 00-0050	EA			38" x 38" Molded Stone Corner Shower Receptor (Fiat 38WLC).....	308.14	41.79

22	Plumbing
22 40	Plumbing Fixtures
22 42	Commercial Plumbing Fixtures



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

22 42 23 00-0051	Precast Terrazzo Shower Receptors (22 42 23 00-0022)		
22 42 23 00-0052	EA 30" x 30" Precast Terrazzo Shower Receptor.....	468.79	41.79
22 42 23 00-0053	EA 32" x 32" Precast Terrazzo Shower Receptor.....	485.80	41.79
22 42 23 00-0054	EA 34" x 34" Precast Terrazzo Shower Receptor.....	501.55	41.79
22 42 23 00-0055	EA 36" x 36" Precast Terrazzo Shower Receptor.....	503.44	41.79
22 42 23 00-0056	EA 40" x 40" Precast Terrazzo Shower Receptor.....	548.17	41.79
22 42 23 00-0057	EA 42" x 42" Precast Terrazzo Shower Receptor.....	570.85	41.79
22 42 23 00-0058	EA 48" x 48" Precast Terrazzo Shower Receptor.....	790.09	41.79
22 42 23 00-0059	EA 36" x 32" Precast Terrazzo Shower Receptor.....	497.77	41.79
22 42 23 00-0060	EA 42" x 32" Precast Terrazzo Shower Receptor.....	506.80	41.79
22 42 23 00-0061	EA 42" x 34" Precast Terrazzo Shower Receptor.....	522.97	41.79
22 42 23 00-0062	EA 42" x 36" Precast Terrazzo Shower Receptor.....	543.13	41.79
22 42 23 00-0063	EA 32" x 48" Precast Terrazzo Shower Receptor.....	545.02	41.79
22 42 23 00-0064	EA 48" x 34" Precast Terrazzo Shower Receptor.....	570.85	41.79
22 42 23 00-0065	EA 48" x 36" Precast Terrazzo Shower Receptor.....	589.75	41.79
22 42 23 00-0066	EA 54" x 32" Precast Terrazzo Shower Receptor.....	596.68	41.79
22 42 23 00-0067	EA 60" x 30" Precast Terrazzo Shower Receptor.....	801.96	50.15
22 42 23 00-0068	EA 60" x 32" Precast Terrazzo Shower Receptor.....	873.44	50.15
22 42 23 00-0069	EA 60" x 34" Precast Terrazzo Shower Receptor.....	876.95	50.15
22 42 23 00-0070	EA 60" x 36" Precast Terrazzo Shower Receptor.....	880.44	50.15
22 42 23 00-0071	EA 32" x 32" Precast Terrazzo Corner Shower Receptor.....	505.96	41.79
22 42 23 00-0072	EA 34" x 34" Precast Terrazzo Corner Shower Receptor.....	506.80	41.79
22 42 23 00-0073	EA 36" x 36" Precast Terrazzo Corner Shower Receptor.....	508.48	41.79
22 42 23 00-0074	EA 40" x 40" Precast Terrazzo Corner Shower Receptor.....	603.61	41.79
22 42 23 00-0075	EA 36" x 36", ADA Wheelchair Accessible, Precast Terrazzo Shower Receptor.....	1,072.96	41.79
22 42 23 00-0076	EA 60" x 30", ADA Wheelchair Accessible, Precast Terrazzo Shower Receptor.....	1,197.20	50.15
22 42 23 00-0077	EA 60" x 36", ADA Wheelchair Accessible, Precast Terrazzo Shower Receptor.....	1,246.34	50.15

22 42 23 00-0078	Shower Receptors Accessories (22 42 23 00-0022)		
22 42 23 00-0079	SF Polyvinyl Chloride (PVC) Shower Pan Liner	3.49	

22 42 23 00-0080	Removal And Reinstallation Of Fixtures And Trim (22 42 23)		
Note: Includes storage, cleaning and supply materials for reconnecting pipe to fixture.			
22 42 23 00-0081	EA Removal And Reinstallation Of Shower Head	50.15	

22 42 33 Wash Fountains (22 42)

22 42 33 00-0001	Circular Wash Fountain, Deep Bowl (22 42 33)		
Note: Includes trim and trap. 2" IPS waste outlets foot control/hand control operated.			
22 42 33 00-0002	EA 36" Stainless Steel Circular Wash Fountain Including Trim, Trap, 2" IPS Outlet And Foot/Hand Controls (Bradley WF2705F-A-LSD).....	6,246.12	161.55
	For Metal Soap Dispenser, Add	100.00	
	For Stainless Steel Pedestal Panels, Add	100.00	
22 42 33 00-0003	EA 36" Bradstone® Circular Wash Fountain Including Trim, Trap, 2" IPS Outlet And Foot/Hand Controls (Bradley WF2805F-A-LSD).....	4,802.60	161.55
	For Metal Soap Dispenser, Add	100.00	
	For Stainless Steel Pedestal Panels, Add	100.00	
22 42 33 00-0004	EA 36" Terreon® Circular Wash Fountain Including Trim, Trap, 2" IPS Outlet And Foot/Hand Controls (Bradley TDB3105AIRLSDE).....	8,334.96	161.55
	For Metal Soap Dispenser, Add	100.00	
	For Stainless Steel Pedestal Panels, Add	100.00	
22 42 33 00-0005	EA 54" Stainless Steel Circular Wash Fountain Including Trim, Trap, 2" IPS Outlet And Foot/Hand Controls (Bradley WF2708F-A-LSD).....	7,938.73	184.63
	For Metal Soap Dispenser, Add	100.00	
	For Stainless Steel Pedestal Panels, Add	100.00	
22 42 33 00-0006	EA 54" Bradstone® Circular Wash Fountain Including Trim, Trap, 2" IPS Outlet And Foot/Hand Controls (Bradley WF2808F-A-LSD).....	5,541.47	184.63
	For Metal Soap Dispenser, Add	100.00	
	For Stainless Steel Pedestal Panels, Add	100.00	
22 42 33 00-0007	EA 54" Terreon® Circular Wash Fountain Including Trim, Trap, 2" IPS Outlet And Foot/Hand Controls (Bradley TDB3108AIRLSDE).....	9,987.56	184.63
	For Metal Soap Dispenser, Add	100.00	
	For Stainless Steel Pedestal Panels, Add	100.00	

22 42 33 00-0008	Semi-Circular Wash Fountain, Deep Bowl (22 42 33)		
Note: Includes trim and trap. 2" IPS waste outlets foot control/hand control operated.			
22 42 33 00-0009	EA 36" Stainless Steel Semi-Circular Wash Fountain Including Trim, Trap, 2" IPS Outlet And Foot/Hand Controls (Bradley WF2703F-A-LSD).....	5,446.98	138.48
	For Metal Soap Dispenser, Add	100.00	
	For Stainless Steel Pedestal Panels, Add	100.00	
22 42 33 00-0010	EA 36" Bradstone® Semi-Circular Wash Fountain Including Trim, Trap, 2" IPS Outlet And Foot/Hand Controls (Bradley WF2803F-A-LSD).....	4,385.41	138.48
	For Metal Soap Dispenser, Add	100.00	
	For Stainless Steel Pedestal Panels, Add	100.00	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 42 33 00-0011 EA 36" Terreon® Semi-Circular Wash Fountain Including Trim, Trap, 2" IPS Outlet And Foot/Hand Controls (Bradley TDB3103AIRLSDE).....	6,318.63	138.48
<i>For Metal Soap Dispenser, Add</i>	100.00	
<i>For Stainless Steel Pedestal Panels, Add</i>	100.00	
22 42 33 00-0012 EA 54" Stainless Steel Semi-Circular Wash Fountain Including Trim, Trap, 2" IPS Outlet And Foot/Hand Controls (Bradley WF2704F-A-LSD).....	6,675.14	161.55
<i>For Metal Soap Dispenser, Add</i>	100.00	
<i>For Stainless Steel Pedestal Panels, Add</i>	100.00	
22 42 33 00-0013 EA 54" Bradstone® Semi-Circular Wash Fountain Including Trim, Trap, 2" IPS Outlet And Foot/Hand Controls (Bradley WF2804F-A-LSD).....	5,292.06	161.55
<i>For Metal Soap Dispenser, Add</i>	100.00	
<i>For Stainless Steel Pedestal Panels, Add</i>	100.00	
22 42 33 00-0014 EA 54" Terreon® Semi-Circular Wash Fountain Including Trim, Trap, 2" IPS Outlet And Foot/Hand Controls (Bradley TDB3104AIRLSDE).....	7,516.74	161.55
<i>For Metal Soap Dispenser, Add</i>	100.00	
<i>For Stainless Steel Pedestal Panels, Add</i>	100.00	

22 42 39 Commercial Faucets, Supplies, And Trim (22 42)

22 42 39 00-0001 Kitchen Faucets (22 42 39)

22 42 39 00-0002 EA Top Cast Kitchen Faucet, Single Handle, Chrome Finish (Delta 140-DST).....	155.69	51.28
22 42 39 00-0003 EA Top Cast Kitchen Faucet With Spray, Single Handle, Chrome Finish (Delta 440-DST).....	172.15	51.28
22 42 39 00-0004 EA Top Cast Kitchen Faucet, Single Handle, Stainless Steel Finish (Delta 140-SS-DST).....	181.25	51.28
22 42 39 00-0005 EA Top Cast Kitchen Faucet With Spray, Single Handle, Stainless Steel Finish (Delta 440-SS-DST).....	203.12	51.28
22 42 39 00-0006 EA Top Cast Kitchen Faucet, Two Handle, Chrome Finish, 8" Center, Lever Handles (Delta 2102LF-LHP+H24).....	146.99	51.28
22 42 39 00-0007 EA Top Cast Kitchen Faucet With Spray, Two Handle, Chrome Finish, 8" Center, Lever Handles (Delta 2402LF-LHP+H24).....	158.59	51.28
22 42 39 00-0008 EA Top Cast Kitchen Faucet, Two Handle, Chrome Finish, Center Gooseneck Faucet, Lever Handles (Delta 21987LF).....	197.68	51.28
22 42 39 00-0009 EA Top Cast Kitchen Faucet With Spray, Two Handle, Chrome Finish, Center Gooseneck Faucet, Lever Handles (Delta 21996LF).....	148.62	51.28
22 42 39 00-0010 EA Bottom Mount Kitchen Faucet, Single Handle, Chrome Finish (Delta 101LF-WF).....	144.23	51.28
22 42 39 00-0011 EA Bottom Mount Kitchen Faucet With Spray, Single Handle, Chrome Finish (Delta 175LF-WF).....	165.70	51.28
22 42 39 00-0012 EA Bottom Mount Kitchen Faucet, Two Handle, Chrome Finish, Gooseneck Faucet, Lever Handles (Delta 2274-LHP+H24).....	265.12	51.28
22 42 39 00-0013 EA Bottom Mount Kitchen Faucet With Spray, Two Handle, Chrome Finish, Gooseneck Faucet, Lever Handles (Delta 2276-LHP+H24).....	288.17	51.28
22 42 39 00-0014 EA Wall Mount Kitchen Faucet, Two Handle, 11" Long Swing Spout (Delta 28T6943).....	246.67	51.28
22 42 39 00-0015 EA Wall Mount Kitchen Faucet, 8" Center, With 14" Double Joint Spout (Delta 28T4433).....	221.28	51.28
22 42 39 00-0016 EA Deck Mount Sink Faucet, 8" Center Set, Lever Handles (Chicago Faucet 1100 ABCP).....	275.48	55.71
22 42 39 00-0017 EA Deck Mount Sink Faucet, 8" Center Set, 4" Wristblade Handles (Chicago Faucet 1100-GN2AE3-317CP).....	274.35	55.71
22 42 39 00-0018 EA Deck Mount Gooseneck Sink Faucet, 4" Center Set, Blade Handles (Chicago Faucet 802-317CP).....	212.33	55.71
22 42 39 00-0019 EA Chrome Single Handle Kitchen Faucet With Integrated Spray (Elkay LKGT1041CR).....	449.08	51.28
22 42 39 00-0020 EA Brushed Nickel Single Handle Kitchen Faucet With Integrated Spray (Elkay LKGT1041NK).....	560.94	51.28
22 42 39 00-0021 EA Oil Rubbed Bronze Single Handle Kitchen Faucet With Integrated Spray (Elkay LKGT1041RB).....	598.22	51.28
22 42 39 00-0022 EA Chrome Single Handle Kitchen Faucet With Integrated Spray, 1.5 GPM Aerator (Elkay LKLFGT1041CR).....	449.08	51.28
22 42 39 00-0023 EA Brushed Nickel Single Handle Kitchen Faucet With Integrated Spray, 1.5 GPM Aerator (Elkay LKLFGT1041NK).....	560.94	51.28
22 42 39 00-0024 EA Oil Rubbed Bronze Single Handle Kitchen Faucet With Integrated Spray, 1.5 GPM Aerator (Elkay LKLFGT1041RB).....	598.22	51.28

22 42 39 00-0025 Lavatory Faucets (22 42 39)

22 42 39 00-0026 EA Single Handle Centerset Lavatory Faucet, Polished Chrome Finish (Delta Lahara 538-MPU-DST).....	175.50	36.92
22 42 39 00-0027 EA 4" Centerset Lavatory Faucet With Chrome Lever Handle (Delta 501-WF).....	127.88	36.92
22 42 39 00-0028 EA 4" Classic Style Centerset Lavatory Faucet With Chrome Lever Handles (Delta 2521-LHP+H25).....	153.93	36.92
22 42 39 00-0029 EA 4" Centerset Lavatory Gooseneck Faucet With Chrome Lever Handles (Delta 2530-LHP+H24).....	166.92	36.92
22 42 39 00-0030 EA Widespread Lavatory Faucet With Chrome Lever Handles (Delta 3543-LHP+H24).....	200.47	36.92
22 42 39 00-0031 EA Widespread Lavatory Gooseneck Faucet With Chrome Lever Handles (Delta 3530-LHP+H24).....	230.27	36.92
22 42 39 00-0032 EA Self Closing/Metered Faucet, Brass, Single Hole, Push Handle (Delta 86T104).....	148.33	36.92
22 42 39 00-0033 EA Self Closing/Metered Faucet, Double Hole, Push Handles (American Standard 1340.225.002).....	215.40	36.92
22 42 39 00-0034 EA Single Inlet, Push Handle Metering Faucet, ADA (Chicago Faucet 333-665).....	160.79	36.92
22 42 39 00-0035 EA Easy-Push Metering Faucet Wash-Up Fitting (Speakman S-4123).....	142.95	36.92
22 42 39 00-0036 EA Easy-Push Metering 4" Centerset Faucet (Speakman S-4141-LD).....	218.55	36.92
22 42 39 00-0037 EA 3" Reach, 4-Arm Handle Single Basin Faucet (T&S Brass 0710).....	164.06	36.92
22 42 39 00-0038 EA 3" Reach, Push Handle Self-Closing Valve, Single Basin Metering Faucet (T&S Brass 0712).....	193.98	36.92
22 42 39 00-0039 EA 4" Reach, Push Handle Self-Closing Valve, Single Basin Metering Faucet (T&S Brass 0805).....	190.44	36.92
22 42 39 00-0040 EA 4" Classic Style Centerset Lavatory Faucet With Chrome Lever Handles (Zurn Z81104).....	159.22	36.92

22 42 39 00-0041 Bath And Shower Faucets (22 42 39)

22 42 39 00-0042 Bath And Shower Faucets With Valve Body (22 42 39 00-0041)

22 42 39 00-0043 EA Single Lever Handle Chrome Tub Filler, Pressure-Balance (American Standard T480 500).....	168.09	44.51
22 42 39 00-0044 EA Single Lever Handle, Chrome Shower Only, Pressure-Balance (American Standard T480.501).....	192.66	44.51
22 42 39 00-0045 EA Single Lever Handle, Chrome Shower And Tub Filler, Pressure-Balance (American Standard T480.502).....	208.41	44.51
22 42 39 00-0046 EA Two Lever Handle, Chrome Tub Filler (American Standard 3275.505).....	157.38	44.51
<i>For Faucet With Metal Cross Handles, Add</i>	45.75	
22 42 39 00-0047 EA Two Lever Handle, Chrome Shower Only (American Standard 3275.501).....	163.68	44.51
<i>For Faucet With Metal Cross Handles, Add</i>	45.75	
22 42 39 00-0048 EA Two Lever Handle, Chrome Shower And Tub Filler (American Standard 3275.502).....	181.95	44.51
<i>For Faucet With Metal Cross Handles, Add</i>	45.75	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 42 39 00-0049 EA Three Lever Handle, Chrome Shower And Tub Filler (American Standard 3375.502) <i>For Faucet With Metal Cross Handles, Add</i>	202.74 45.75	44.51
22 42 39 00-0050 Shower Valves And Trim <small>(22 42 39)</small> See CSI section 22 41 39 00-0011 for residential shower valves and heads.		
22 42 39 00-0051 EA Senior Institutional Shower Head (Symmons® 4-150).....	164.15	44.51
22 42 39 00-0052 EA Universal Institutional Shower Head (Symmons® 4-151).....	257.96	44.51
22 42 39 00-0053 EA Fre-Flo Institutional Shower Head (Symmons® 4-295).....	188.85	44.51
22 42 39 00-0054 EA Fre-Flo Institutional Shower Head With Short Arm (Symmons® 4-385).....	148.40	44.51
22 42 39 00-0055 EA Wall Mounted Shower Valve And Slide Bar, Single Lever Concealed Mixer (Symmons® 96-300-B30-V-X).....	461.21	66.66
22 42 39 00-0056 EA Wall Mounted Shower Valve, Tub Faucet, And Slide Bar, Single Lever Concealed Mixer (Symmons® 96-400-B30-V-X).....	485.41	76.93
22 42 39 00-0057 EA Wall Mounted Shower Valve, Slide Bar And Head, Single Lever Concealed Mixer (Symmons® 96-500-B30-V-X).....	591.94	76.93
22 42 39 00-0058 EA Wall Mounted Shower Valve, Tub Faucet, Slide Bar And Head, Single Lever Concealed Mixer (Symmons® 96-600-B30-V-X).....	611.56	82.05
22 42 39 00-0059 EA Removable Hand Held Shower With Hose Wall Hook And Inline Vacuum Breaker (Powers 141-318 with 141-319).....	288.72	69.22
22 42 39 00-0060 EA Concealed Thermostatic/Pressure Balancing Control Valve With Chrome Plated Shower Head (Chicago Faucet 2502-600CP).....	577.07	69.22
22 42 39 00-0061 EA Concealed Pressure Balancing Control Valve With Chrome Plated Shower Head (Chicago Faucet 1762-ISCP).....	418.22	69.22
22 42 39 00-0062 EA Stainless Steel Shower System With Thru-Wall Exposed Piping Covering, Adjustable Shower Head, Soap Dish, Metal Top Cap And Thermostatic/Pressure Balancing Control Valve (Symmons® Hydapipe® 1-801S/1-802S).....	778.43	69.22
<i>For Hand Spray, Hose And Wall Hooks, Add</i>	106.44	
<i>For Recessed Soap Dish, Add</i>	108.12	
<i>For Hand Spray, Hose And 30" Slide Bar, Add</i>	165.51	
<i>For Pressure Balance And Metering Combination, Add</i>	291.63	
22 42 39 00-0063 EA Stainless Steel Corner Shower System With Thru-Wall Exposed Piping Covering, Adjustable Shower Head, Soap Dish, Metal Top Cap And Thermostatic/Pressure Balancing Control Valve (Symmons® Hydapipe® 1-807).....	915.14	69.22
<i>For Hand Spray, Hose And Wall Hooks, Add</i>	106.44	
<i>For Recessed Soap Dish, Add</i>	108.12	
<i>For Hand Spray, Hose And 30" Slide Bar, Add</i>	165.51	
<i>For Pressure Balance And Metering Combination, Add</i>	291.63	
22 42 39 00-0064 EA Stainless Steel Institutional Shower System With Thru-Wall Exposed Piping Covering, Vandal Resistant Adjustable Shower Head, Soap Dish, Sloped Metal Top Cap And Thermostatic/Pressure Balancing Control Valve (Symmons® Hydapipe® 1-901S).....	640.61	69.22
<i>For Hand Spray, Hose And Wall Hooks, Add</i>	19.32	
<i>For Hand Spray, Hose And 30" Slide Bar, Add</i>	78.39	
<i>For Pressure Balance And Metering Combination, Add</i>	291.63	
22 42 39 00-0065 EA Stainless Steel Institutional Shower System With Flat Wall Recessed Piping Covering, Vandal Resistant Adjustable Shower Head, Soap Dish And Thermostatic/Pressure Balancing Control Valve (Symmons® Hydapipe® 1-911RS).....	939.17	69.22
<i>For Pressure Balance And Metering Combination, Add</i>	291.63	
22 42 39 00-0066 EA Stainless Steel Double Outlet Institutional Shower System With Thru-Ceiling Exposed Piping Covering, Vandal Resistant Adjustable Shower Head, Soap Dish, Sloped Metal Top Cap And Thermostatic/Pressure Balancing Control Valve (Symmons® Hydapipe® 1-902S-FS).....	1,003.52	69.22
<i>For Hand Spray, Hose And 30" Slide Bar, Add</i>	59.07	
<i>For Pressure Balance And Metering Combination, Add</i>	291.63	
22 42 39 00-0067 EA Stainless Steel Institutional Triple Shower System With Thru-Wall Exposed Piping Covering, Vandal Resistant Adjustable Shower Heads, Sloped Metal Top Cap And Thermostatic/Pressure Balancing Control Valve (Symmons® Hydapipe® 1-931).....	1,805.10	69.22
<i>For Recessed Soap Dish, Add</i>	83.94	
<i>For Pressure Balance And Metering Combination, Add</i>	227.79	
22 42 39 00-0068 EA Stainless Steel Institutional Double Shower System With Thru-Wall Exposed Piping Covering, Vandal Resistant Adjustable Shower Heads, Metal Top Cap And Thermostatic/Pressure Balancing Control Valve (Symmons® Hydapipe® 1-921).....	1,583.75	69.22
<i>For Recessed Soap Dish, Add</i>	83.94	
<i>For Pressure Balance And Metering Combination, Add</i>	291.63	
22 42 39 00-0069 EA Stainless Steel Tub And Shower System With Thru-Wall Exposed Piping Covering, Adjustable Shower Head, Sloped Metal Top Cap And Thermostatic/Pressure Balancing Control Valve (Symmons® Hydapipe® 1-941-231).....	822.27	69.22
22 42 39 00-0070 EA Stainless Steel Double Outlet Institutional Shower System With Flat Wall Recessed Piping Covering, Vandal Resistant Adjustable Shower Head, Hand Spray, Hose, Wall Hooks, Soap Dish And Thermostatic/Pressure Balancing Control Valve (Symmons® Hydapipe® 1-912RS-FS).....	1,232.91	69.22
<i>For Hand Spray, Hose And 30" Slide Bar, Add</i>	59.07	
<i>For Pressure Balance And Metering Combination, Add</i>	291.63	
22 42 39 00-0071 EA Stainless Steel Single Supply Institutional Shower System With Thru-Wall Exposed Piping Covering, Vandal Resistant Adjustable Shower Head, Soap Dish, Sloped Metal Top Cap And Thermostatic/Pressure Balancing Control Valve (Symmons® Hydapipe® 1-901S-60).....	821.23	69.22
22 42 39 00-0072 EA Stainless Steel Single Supply Single Outlet Institutional Shower System With Thru-Wall Exposed Piping Covering, Vandal Resistant Adjustable Shower Head, Soap Dish, Sloped Metal Top Cap And Thermostatic/Pressure Balancing Control Valve (Symmons® Hydapipe® 1-901S-22-FS).....	818.97	69.22
<i>For Hand Spray, Hose And 30" Slide Bar, Add</i>	59.07	
22 42 39 00-0073 EA Single Lever Handle, Chrome, Pressure-Balance, Shower System (Symmons SafetyMix 1-100-X-3/4).....	600.86	61.53
22 42 39 00-0074 EA Single Lever Handle, Chrome, Pressure-Balance, Shower Valve (Symmons SafetyMix 4-500).....	459.81	44.51
22 42 39 00-0075 Service Sink Faucets <small>(22 42 39)</small>		
22 42 39 00-0076 EA 2-1/4" Spout With Vacuum Breaker, Wall Mount Service Sink Faucet, Lever Handles (Kohler® Knoxford®).....	303.54	85.38
22 42 39 00-0077 EA 4-5/8" Spout With Vacuum Breaker, Wall Mount Service Sink Faucet, Lever Handles (Kohler® Kinlock™).....	356.52	85.38
22 42 39 00-0078 EA 3" Spout, Wall Mount Service Sink Faucet, Lever Handles (American Standard 8340.235).....	268.70	85.38
22 42 39 00-0079 EA 3" Spout With Vacuum Breaker, Wall Mount Service Sink Faucet, Lever Handles (American Standard 8340.243).....	285.71	85.38
22 42 39 00-0080 EA 6" Spout With Vacuum Breaker And Top Brace, Wall Mount Service Sink Faucet, Lever Handles (American Standard 8344.012).....	294.53	85.38
22 42 39 00-0081 EA 6" Spout With Bottom Fork Brace, Wall Mount Service Sink Faucet, Stops In Integral Arm, Wrist Blade Handles (American Standard 8345.101).....	389.28	119.69



Plumbing	22	22
Plumbing Fixtures	22 40	
Commercial Plumbing Fixtures	22 42	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 42 39 00-0082 EA 6" Spout With Vacuum Break And Bottom Fork Brace, Wall Mount Service Sink Faucet, Stops In Integral Arm, Wrist Blade Handles (American Standard 8345.110).....	437.59	136.41
22 42 39 00-0083 EA 12" Spout With Bottom Fork Brace, Wall Mount Service Sink Faucet, Stops In Integral Arm, Wrist Blade Handles (American Standard 8345.115).....	493.03	136.41
22 42 39 00-0084 EA Wall Mount Service Sink Faucet With Atmospheric Vacuum Breaker Spout, Lever Handles (Chicago Faucet 305-VBRCF).....	292.67	85.38
22 42 39 00-0085 EA 8" Spout Wall Mount Service Sink, Wrist Blade Handles (Chicago 445-L8).....	392.22	136.41
22 42 39 00-0086 EA 44" Flexible Stainless Steel Hose With Insulated Handle, 23" Riser, Pre-Rinse Faucet (Chicago Faucet 923-LCP).....	533.59	136.41
22 42 39 00-0087 Laboratory Faucets And Fittings (22 42 39)		
22 42 39 00-0088 EA Cold Faucet, Single Deck Mount, Gooseneck Spout With Serrated Nozzle Outlet, Laboratory Faucet (Chicago Faucet 927).....	145.58	36.31
22 42 39 00-0089 EA Hot And Cold Faucet, Single Deck Mount, Gooseneck Spout With Serrated Nozzle Outlet, Laboratory Faucet (Chicago Faucet 929).....	233.75	51.28
22 42 39 00-0090 EA Hot And Cold Faucet With Vacuum Breaker, Single Deck Mount Gooseneck Spout With Serrated Nozzle Outlet, Laboratory Faucet (Chicago Faucet 930).....	294.37	51.28
22 42 39 00-0091 EA Cold Wall Mount, Gooseneck Spout With Aerator, Laboratory Faucet (Chicago Faucet 933).....	190.25	47.89
22 42 39 00-0092 EA Hot And Cold Wall Mount, 6" Spout With Aerator, Laboratory Faucet (Chicago Faucet 940).....	260.41	68.31
22 42 39 00-0093 EA Hot And Cold Wall Mount, 6" Spout With Aerator And Vacuum Breaker, Laboratory Faucet (Chicago Faucet 940-VBE7-CP).....	339.45	68.31
22 42 39 00-0094 EA Hot And Cold Faucet, Dual Deck Mount, Gooseneck Spout With Serrated Nozzle Outlet, Laboratory Faucet (Chicago Faucet 946).....	269.63	51.28
22 42 39 00-0095 EA Hot And Cold Wall Mount, Gooseneck Spout With Aerator Laboratory Faucet (Chicago Faucet 942).....	274.77	68.31
22 42 39 00-0096 EA Single Control, Single Hole Deck Mount Sink Faucet (Chicago Faucet 350-CP).....	176.93	39.44
22 42 39 00-0097 EA Dual Control, Single Hole Deck Mount Sink Faucet (Chicago Faucet 50-CP).....	249.41	55.71
22 42 39 00-0098 EA Deck Mount Lavatory Faucet, 4" Center Set, Lever Handles (Chicago Faucet 802).....	199.31	55.71
22 42 39 00-0099 EA Deck Mount Gooseneck Sink Faucet, 4" Center Set, Blade Handles (Chicago Faucet 895-317CP).....	236.49	55.71
22 42 39 00-0100 EA Gas Ball Valve, Removable Nozzle, Less Index Button (Chicago Faucet 909-LESS216-28CP).....	70.39	34.26
22 42 39 00-0101 EA Gas Ball Valve, Removable Nozzle, With Index Button (Chicago Faucet 909-AGVCP).....	72.70	34.26
22 42 39 00-0102 EA Dual Service Lab Fitting, Two Gas And One Water Outlet (Chicago Faucet 1332-CP).....	368.04	61.53
22 42 39 00-0103 EA Dual Service Lab Fitting With Wristblade Handle, Two Gas And One Water Outlet (Chicago Faucet 1332-317CP).....	463.54	61.53
22 42 39 00-0104 EA Dual Service Lab Fitting With Metal Cross Handle, Inline Vacuum Breaker, Two Gas And One Water Outlet (Chicago Faucet 1332-E22E7-204CP).....	550.54	61.53
22 42 39 00-0105 EA Dual Service Lab Fitting With Plastic Cross Handle, Two Gas And One Water Outlet (Chicago Faucet 1332-E22E7CP).....	490.80	61.53
22 42 39 00-0106 EA Dual Service Lab Fitting With Chemical Resistant Coating And Plastic Cross Handle, Two Gas And One Water Outlet (Chicago Faucet 1332-E22E7SAM).....	577.91	61.53
22 42 39 00-0107 EA Single, Deck Mounted Laboratory Ball Valve Assembly (Watersaver L4100-131WSA).....	103.84	33.85
22 42 39 00-0108 EA 90 Degree Double, Deck Mounted Laboratory Ball Valve Assembly (Watersaver L4100-132AWSA).....	140.90	40.61
22 42 39 00-0109 EA 180 Degree Double, Deck Mounted Laboratory Ball Valve Assembly (Watersaver L4100-132SWSA).....	140.90	40.61
22 42 39 00-0110 EA Three Way, Deck Mounted Laboratory Ball Valve Assembly (Watersaver L4100-133WSA).....	177.98	47.38
22 42 39 00-0111 EA Four Way, Deck Mounted Laboratory Ball Valve Assembly (Watersaver L4100-134WSA).....	215.04	54.16
22 42 39 00-0112 Gooseneck Faucets With Independent Eyewash (22 42 39)		
22 42 39 00-0113 EA Two Handle Widespread Valves, Gooseneck Faucet With Independent Eyewash (Speakman SEF-1800-CA).....	575.89	38.46
22 42 39 00-0114 EA Single Lever Gooseneck Faucet With Independent Eyewash (Speakman SEF-1800-CA-SL).....	620.53	35.90
22 42 39 00-0115 EA 8" Stem, Two Handle Widespread Valves, Gooseneck Faucet With Independent Eyewash (Speakman SEF-1800-CA-8).....	795.92	38.46
22 42 39 00-0116 EA Serrated Tip With Vacuum Breaker, Two Handle Widespread Valves, Gooseneck Faucet With Independent Eyewash (Speakman SEF-1800-ST).....	839.23	38.46
22 42 39 00-0117 EA Thermostatic Mixing Valve Kit For The SEF-1800 (Speakman SEF-TW).....	1,005.73	25.65
22 42 39 00-0118 EA Foot Pedal Activation, Two Handle Widespread Valves, Gooseneck Faucet With Independent Eyewash (Speakman SEF-1800-FP).....	1,233.86	64.10
22 42 39 00-0119 EA Thermostatic Mixing Valve Kit, Two Handle Widespread Valves, Gooseneck Faucet With Independent Eyewash (Speakman SEF-1800-CA-TW).....	1,706.36	64.10
22 42 39 00-0120 EA 8" Stem, Thermostatic Mixing Valve Kit, Two Handle Widespread Valves, Gooseneck Faucet With Independent Eyewash (Speakman SEF-1800-CA-8TW).....	1,761.49	64.10
22 42 39 00-0121 EA Adjustable Aerated Outlet Heads, Gooseneck Faucet Mounted Eyewash (WaterSaver EW101).....	181.45	39.00
22 42 39 00-0122 EA Gooseneck Faucet Mounted Eyewash With Faucet Control Valve (WaterSaver EW200).....	195.70	39.00
22 42 39 00-0123 EA Gooseneck Faucet Mounted Eyewash With Faucet Control Valve (WaterSaver EW201).....	208.16	39.00
22 42 39 00-0124 EA 6 Gallon Capacity, Tempering Valve (WaterSaver AP3600).....	769.03	25.65
22 42 39 00-0125 Bubblers And Glass Fillers (22 42 39)		
22 42 39 00-0126 EA Self-Closing Bubbler Faucet, Metering Handle (Chicago Faucet 748-665CP).....	241.34	36.31
22 42 39 00-0127 EA Wall Mount Glass Filler, 1/2" Flanged Female Inlet (Chicago Faucet 313-CP).....	223.79	47.89
22 42 39 00-0128 EA 7" Overall Outlet Height, Deck Mount Glass Filler, 1/2" Flanged Female Inlet (Chicago Faucet 709-CP).....	238.33	36.31
22 42 39 00-0129 EA Wall Mount, Push Button Single Glass Filler (Chicago Faucet 324-CP).....	163.82	52.04
22 42 39 00-0130 EA Deck Mount, Lever Handle Drinking Faucet (Haws 5054LF).....	280.82	39.44
22 42 39 00-0131 EA Self Closing Lever Handle Drinking Bubbler, 1/2" IPS (Haws 5057LF).....	305.08	39.44
22 42 39 00-0132 EA Push Button Bubbler, 1/2" OD (Haws 5017LF).....	284.28	39.44
22 42 39 00-0133 EA Push Button Bubbler, 3/8" NPT (Haws 5010-6427).....	240.50	39.44
22 42 39 00-0134 Electronic Infrared Sensor Faucets (22 42 39)		
22 42 39 00-0135 EA Electronic Lavatory Faucet (American Standard 6055.205.002).....	452.03	85.54
For Faucet With Temperature Control, Add	40.00	
22 42 39 00-0136 EA Electronic Lavatory Gooseneck Faucet (American Standard 6055.105.002).....	455.81	85.54
For Faucet With Temperature Control, Add	40.00	
22 42 39 00-0137 EA Electronic Gooseneck Faucets (Chicago Faucet 116.103.AB.1).....	598.96	92.94

22	Plumbing
22 40	Plumbing Fixtures
22 42	Commercial Plumbing Fixtures



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 42 39 00-0138 EA Electronic Lavatory Faucet (Chicago Faucet 116.112.AB.1)	617.87	85.54
22 42 39 00-0139 EA Electronic Soap Dispenser And Faucet Combination (Sloan Optima ESD-30880)	898.29	92.94
22 42 39 00-0140 EA Electronic Soap Dispenser And Faucet Combination (Sloan Optima ESD-30880-BDT)	1,111.30	92.94
22 42 39 00-0141 EA Electronic Soap Dispenser And Faucet Combination (Sloan Optima ESD-35187)	1,041.45	92.94
22 42 39 00-0142 EA Solar Powered, Electronic Lavatory Faucet With Integral Mixing Valve (Sloan Solis EAF-275-ISM)	738.61	85.54
22 42 39 00-0143 EA Self-Generating EcoPower System, Single Supply Sensor Faucet, Standard Spout (Toto "Eco-Power" TEL3GKCN-60)	874.76	85.54
22 42 39 00-0144 Other Trim (22 42 39)		
22 42 39 00-0145 EA Faucet Aerator, Male Thread 13/16" Male, 2 GPM (Delta RP330)	15.82	5.57
22 42 39 00-0146 EA 1-1/2" Pop-up Tailpiece (Chicago Faucet 226-ACP)	80.75	16.71
22 42 39 00-0147 EA Basket Strainer Assembly (American Standard 055781-0070A)	39.58	13.93
22 42 39 00-0148 EA 1-1/4" Chrome Plated Cast P-Trap With Or Without Cleanout	99.42	29.12
22 42 39 00-0149 EA 1-1/2" Chrome Plated Cast P-Trap With Or Without Cleanout	101.93	30.77
22 42 39 00-0150 EA 1-1/2" Cast Brass P-Trap With Cleanout	157.97	30.77
22 42 39 00-0151 Removal And Reinstallation Of Fixtures And Trim (22 42 39)		
Note: Includes storage, cleaning and supply materials for reconnecting pipe to fixture.		
22 42 39 00-0152 EA Removal And Reinstallation Of Faucet	89.15	
22 42 43 Flushometers (22 42)		
22 42 43 00-0001 Removal And Reinstallation Of Fixtures And Trim (22 42 43)		
Note: Includes storage, cleaning and supply materials for reconnecting pipe to fixture.		
22 42 43 00-0002 EA Removal And Reinstallation Of Flush Valve	139.30	
22 42 43 00-0003 Plumbing Control Transformers (22 42 43)		
22 42 43 00-0004 EA 6 Volt DC, 120 Volt AC Plug In Style Power Transformer (Zurn P6000-PC6)	38.01	
22 42 46 Chemical Toilets (22 42)		
Note: Includes toilet, urinal, holding tank, and ventilation system. Building to be priced separately.		
22 42 46 00-0001 Standard Chemical Toilets (22 42 46)		
22 42 46 00-0002 Small Tank Chemical Toilets (22 42 46 00-0001)		
22 42 46 00-0003 EA Chemical Toilet, Small Tank 7,000 Uses/Year	4,250.61	1,025.62
For Extra Urinal, Add	137.89	
22 42 46 00-0004 Medium Tank Chemical Toilets (22 42 46 00-0001)		
22 42 46 00-0005 EA Chemical Toilet, Medium Tank 13,000 Uses/Year	5,051.78	1,221.52
For Extra Urinal, Add	163.30	
22 42 46 00-0006 Large Tank Chemical Toilets (22 42 46 00-0001)		
22 42 46 00-0007 EA Chemical Toilet, Large Tank 28,000 Uses/Year	6,071.15	1,385.62
For Extra Urinal, Add	219.46	
22 43 Healthcare Plumbing Fixtures (22 40)		
22 43 13 Healthcare Water Closets (22 43)		
22 43 13 00-0001 Healthcare Water Closets (22 43 13)		
22 43 13 00-0002 EA Flush Valve Type, Siphon Jet, Floor Mounted, Wall Outlet, Handicap Accessible, Elongated Vitreous China Healthcare Water Closet With Bedpan Holding Rim (American Standard Priolo® ADA)	786.04	106.66
22 43 13 00-0003 EA Flush Valve Type, Siphon Jet, Floor Mounted, Floor Outlet, Handicap Accessible, Elongated Vitreous China Healthcare Water Closet With Bedpan Holding Rim (American Standard Madera™ ADA)	630.48	106.66
22 43 16 Healthcare Sinks (22 43)		
22 43 16 00-0001 Healthcare Sinks (22 43 16)		
Note: Includes trap, drain and supply valves. Excludes faucets and flush valves.		
22 43 16 00-0002 EA 25" x 21", Wall Mounted, Blow Out Flushing Rim, Vitreous China Clinic Service Sink (American Standard)	1,158.78	68.71
For Stainless Steel Rim Guards (Three Sides), Add	105.70	
22 43 16 00-0003 EA 29" x 20", Floor Mounted, Siphon Jet Flushing Rim, Vitreous China Clinic Service Sink (American Standard)	1,250.86	197.43
For Stainless Steel Rim Guards (Three Sides), Add	105.70	
For Pedestal Base, Add	484.63	
22 43 16 00-0004 EA 28" x 22", Wall Mounted, Vitreous China Surgeon's Scrub Sink (American Standard)	1,112.25	68.71
For Painted Bracket Supports, Add	170.94	
22 43 16 00-0005 EA 20" x 17", Wall Mounted, Vitreous China Intensive Care Unit Sink (American Standard)	972.64	68.71
22 43 39 Healthcare Faucets (22 43)		
22 43 39 00-0001 Medical Faucet Spouts (22 43 39)		



Plumbing	22
Plumbing Fixtures	22 40
Healthcare Plumbing Fixtures	22 43

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 43 39 00-0002 EA Deck Mounted, Rigid Gooseneck Medical Lavatory Spout (American Standard 7522).....	98.17	15.38
22 43 39 00-0003 Electronic Proximity Medical Faucets (22 43 39)		
22 43 39 00-0004 EA DC Or Plug-In AC Powered, Single Inlet, Electronic Proximity Medical Lavatory Faucet (American Standard Selectronic™ ICU)..... <i>For Hard Wired AC Powered, Add</i>	559.83 24.07	75.28
22 43 39 00-0005 Foot And Knee Faucet Controls (22 43 39)		
22 43 39 00-0006 EA Single Supply Metering Pedal Valve (Chicago Faucet 628)	329.00	136.82
22 43 39 00-0007 EA Double Supply Metering Pedal Valve (Chicago Faucet 625)	372.47	136.82
22 43 39 00-0008 EA Knee Actuated Metering Mixing Valve (Chicago Faucet 745-VOCP)	707.53	136.82
22 43 39 00-0009 EA Double Knee Actuated Metering Mixing Valve (American Standard 7676).....	651.44	136.82
22 43 39 00-0010 Centerset Medical Faucets (22 43 39)		
22 43 39 00-0011 EA Rigid Gooseneck Centerset Medical Lavatory Faucet, 8" Centers 6" Wrist Action Handles, Adjustable Centers (T&S B-0865-04)	386.48	75.28
22 43 39 00-0012 EA Swivel Gooseneck Centerset Medical Lavatory Faucet, 8" Centers, 6" Wrist Action Handles, Adjustable Centers (T&S B-0866-04)	390.42	75.28
22 43 39 00-0013 EA Swivel Gooseneck Centerset Medical Lavatory Faucet With Aerator 8" Centers, 6" Wrist Action Handles, Adjustable Centers (T&S B-0867-04)	390.02	75.28
22 43 39 00-0014 EA Surgical Sink Rigid Gooseneck Faucets, 8" Centers, 6" Wrist Action Handles (T&S B-0322-04).....	352.62	75.28
22 43 39 00-0015 EA Surgical Sink Rigid Gooseneck Faucets With Stream Regulator Outlet, 8" Centers, 6" Wrist Action Handles (T&S B-0323-04).....	339.23	75.28
22 43 39 00-0016 Bedpan Washers (22 43 39)		
22 43 39 00-0017 EA Self Closing Pedal Valve Bed Pan Washer, With Volume Control, Vacuum Breaker, Wall Hook Hose Connection, Polyvinyl Chloride Hose (T&S B-0675).....	894.78	136.82
22 43 39 00-0018 EA Pedal Valve Bed Panwasher With Volume Control Valve, Vacuum Breaker, Wall Hook Hose Connection, Extended Spray Polyvinyl Chloride Hose (T&S B-0676)	853.56	136.82
22 43 39 00-0019 EA Self Closing Single Pedal Valve Bedpan Washer With Volume Control, Vacuum Breaker, Wall Hook Hose Connection Polyvinyl Chloride Hose (T&S B-0685).....	841.35	136.82
22 43 39 00-0020 EA Single Pedal Valve Bedpan Washer With Volume Control, Vacuum Breaker, Wall Hook Hose Connection, Polyvinyl Chloride Hose, Extended Spray (T&S B-0686)	829.47	136.82
22 43 43 Healthcare Plumbing Fixture Flushometers (22 43)		
22 43 43 00-0001 Healthcare Plumbing Fixture Flushometers (22 43 43)		
22 43 43 00-0002 EA Exposed Manual Service Sink Flush Valve (Sloan Royal-117).....	223.84	34.97
22 43 43 00-0003 EA Exposed Manual Water Closet Flush Valve With Bedpan Washer (Sloan Slimline BPW).....	495.39	34.97
22 43 46 Patient Care Fixtures (22 43)		
22 43 46 00-0001 Modular Patient Care Units (22 43 46)		
22 43 46 00-0002 EA 47" Swivel Toilet Modular Sink And Water Closet Patient Care Unit (Willoughby WH-1700-AQCT-WB-BWSEV)	10,285.66	205.12
<i>For SDB Single Temperature Dialysis Box, Add</i>	725.14	
<i>For DDB Dual Temperature Dialysis Box, Add</i>	770.18	
<i>For BWSEV Bedpan Washer With Elevated Valve, Add</i>	631.26	
<i>For LOCK Flush Valve Lockout Device, Add</i>	408.74	
22 43 46 00-0003 EA 31" Swing Front Cabinet Modular Sink And Water Closet Patient Care Unit (Willoughby WH-2600-SST-DC- AQCT-WB)	8,136.02	179.49
<i>For SDB Single Temperature Dialysis Box, Add</i>	725.14	
<i>For DDB Dual Temperature Dialysis Box, Add</i>	770.18	
<i>For BWSEV Bedpan Washer With Elevated Valve, Add</i>	631.26	
<i>For LOCK Flush Valve Lockout Device, Add</i>	408.74	
22 43 46 00-0004 Patient Care Plumbing Accessories (22 43 46)		
22 43 46 00-0005 EA One Valve Supply Recessed Stainless Steel Dialysis Box With Locking Door (Bradley 7920)	970.49	27.86
22 43 46 00-0006 EA Two Valve Supply Recessed Stainless Steel Dialysis Box With Locking Door (Bradley 7919)	1,066.66	27.86
22 45 Emergency Plumbing Fixtures (22 40)		
22 45 13 Emergency Showers (22 45)		
22 45 13 00-0001 Emergency Drench Showers (22 45 13)		
22 45 13 00-0002 Emergency Drench Showers (Haws) (22 45 13 00-0001)		
Note: Includes one pull rod.		
22 45 13 00-0003 EA Horizontal Or Vertical Mounted, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead (Haws 8122)	587.35	179.49
22 45 13 00-0004 EA Horizontal Or Vertical Mounted, Emergency Drench Shower With Axion® MSR Stainless Steel Showerhead (Haws 8123).....	658.22	179.49
22 45 13 00-0005 EA Horizontal Mounted, Barrier-Free, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead (Haws 8122HWC).....	697.59	179.49

22 Plumbing**22 40 Plumbing Fixtures****22 45 Emergency Plumbing Fixtures**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 45 13 00-0006 EA Horizontal Or Vertical Mounted, Corrosion Resistant, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead (Haws 8130)	815.72	179.49
22 45 13 00-0007 EA Horizontal Mounted, All Stainless Steel, Corrosion Resistant, Emergency Drench Shower With Axion® MSR Stainless Steel Showerhead (Haws 8133H)	1,059.85	179.49
22 45 13 00-0008 EA Floor Mounted, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead (Haws 8100)	874.87	205.12
22 45 13 00-0009 EA Wall Mounted, Freeze Protected, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead And Stainless Steel Push Flag (Haws 8111FP)	961.59	230.77
22 45 13 00-0010 EA Flush To Ceiling, Emergency Drench Shower With Axion® MSR Stainless Steel Showerhead (Haws 8169)	886.78	230.77
22 45 13 00-0011 EA Concealed Ceiling Supply, Emergency Drench Shower With Axion® MSR Stainless Steel Showerhead (Haws 8163)	902.53	230.77
22 45 13 00-0012 EA Flush To Ceiling, Emergency Drench Shower With Axion® MSR Stainless Steel Showerhead And Pull Down Lever Ball Valve Mounted In A Recessed Stainless Steel Cabinet (Haws 8164)	1,197.84	230.77
22 45 13 00-0013 Emergency Drench Showers (Speakman) (22 45 13 00-0001) Note: Includes one pull rod.		
22 45 13 00-0014 EA Vertical Mounted, Lifesaver® Emergency Drench Shower With Plastic Showerhead (Speakman SE-220)	510.80	179.49
22 45 13 00-0015 EA Horizontal Mounted, Lifesaver® Emergency Drench Shower With Plastic Showerhead (Speakman SE-227)	522.14	179.49
22 45 13 00-0016 EA Floor Mounted, Lifesaver® Emergency Drench Shower With Plastic Showerhead (Speakman SE-253)	763.68	205.12
22 45 13 00-0017 Emergency Drench Showers (Guardian) (22 45 13 00-0001) Note: Includes one pull rod.		
22 45 13 00-0018 EA All-Stainless Steel Handicapped Accessible Safety Station With WideArea™ Eye/Face Wash (Guardian GBF1994)	2,955.65	179.49
22 45 13 00-0019 Emergency Drench Showers (WaterSaver) (22 45 13 00-0001) Note: Includes one pull rod.		
22 45 13 00-0020 EA Emergency Shower, Vertically Mounted (WaterSaver ES635)	566.87	179.49
22 45 13 00-0021 EA Emergency Shower, Horizontally Mounted (WaterSaver ES643)	575.96	179.49
22 45 13 00-0022 EA All-Stainless Steel, Emergency Shower, Horizontally Mounted (WaterSaver ES691)	1,021.19	179.49
22 45 13 00-0023 EA Emergency Shower, Recess Mounted (WaterSaver ES629)	843.79	230.77
22 45 13 00-0024 EA Emergency Shower, Semi-Concealed (WaterSaver ES658)	1,049.50	230.77
22 45 16 Eyewash Equipment (22 45)		
22 45 16 00-0001 Emergency Eyewash Equipment (22 45 16)		
22 45 16 00-0002 Emergency Eyewash Equipment (Haws) (22 45 16 00-0001)		
22 45 16 00-0003 EA Faucet Mounted, Stainless Steel Emergency Eyewash (Haws Axion® eyePOD® 7620)	215.00	5.13
22 45 16 00-0004 EA Wall Mounted, Freeze Protected, Emergency Eye Wash With Soft-Flo Heads And Stainless Steel Bowl (Haws 7433FP)	1,134.84	230.77
22 45 16 00-0005 Emergency Eyewash Equipment (WaterSaver) (22 45 16 00-0001)		
22 45 16 00-0006 EA Auto Flow, Right Hand Mounting, Emergency Eye Wash, Deck Mounted (WaterSaver EW805)	430.16	51.28
22 45 16 00-0007 EA Auto Flow, Left Hand Mounting, Emergency Eye Wash, Deck Mounted (WaterSaver EW805LH)	430.16	51.28
22 45 16 00-0008 EA Right Hand Mounting, Emergency Eye Wash, Deck Mounted (WaterSaver EW806)	437.05	51.28
22 45 16 00-0009 EA Left Hand Mounting, Emergency Eye Wash, Deck Mounted (WaterSaver EW806LH)	437.05	51.28
22 45 16 00-0010 EA Stainless Steel Bowl, Emergency Eye Wash, Deck Mounted (WaterSaver EW822)	563.51	51.28
22 45 16 00-0011 EA Swing-Down, Auto Flow, Emergency Eye Wash, Wall Mounted (WaterSaver EW848)	634.75	51.28
22 45 16 00-0012 EA Swing-Down, Auto Flow, Emergency Eye Wash, Deck Mounted (WaterSaver EW849)	634.75	51.28
22 45 16 00-0013 EA Right Hand Mounting, All-Stainless Steel, Emergency Eye Wash, Deck Mounted (WaterSaver EW893)	1,131.63	51.28
22 45 16 00-0014 EA Left Hand Mounting, All-Stainless Steel, Emergency Eye Wash, Deck Mounted (WaterSaver EW893LH)	1,131.63	51.28
22 45 16 00-0015 EA Right Hand Mounting, Auto Flow, All-Stainless Steel, Emergency Eye Wash, Deck Mounted (WaterSaver EW895)	1,181.76	51.28
22 45 16 00-0016 EA Left Hand Mounting, Auto Flow, All-Stainless Steel, Emergency Eye Wash, Deck Mounted (WaterSaver EW895LH)	1,181.76	51.28
22 45 16 00-0017 EA Swing-Down, Auto Flow, All-Stainless Steel, Emergency Eye Wash, Wall Mounted (WaterSaver EW898)	1,445.55	51.28
22 45 16 00-0018 EA Swing-Down, Auto Flow, All-Stainless Steel, Emergency Eye Wash, Deck Mounted (WaterSaver EW899)	1,445.55	51.28
22 45 16 00-0019 EA Ball Valve With Flag Handle, Emergency Eye Wash, Recess Deck Mounted (WaterSaver EW808)	878.77	179.49
22 45 16 00-0020 EA Push-Down Valve, Emergency Eye Wash, Recess Deck Mounted (WaterSaver EW810)	869.05	179.49
22 45 16 00-0021 EA Stainless Steel Bowl, Emergency Eye Wash, Wall Mounted (WaterSaver EW814)	677.40	179.49
22 45 16 00-0022 EA Stainless Steel Bowl And Cover, Emergency Eye Wash, Wall Mounted (WaterSaver EW814BC)	879.51	179.49
22 45 16 00-0023 EA Plastic Bowl, Emergency Eye Wash, Wall Mounted (WaterSaver EW814P)	605.25	179.49
22 45 23 Personal Eyewash Equipment (22 45)		
22 45 23 00-0001 Portable Eyewash Equipment (22 45 23)		
22 45 23 00-0002 Portable Eyewash Equipment (Bradley) (22 45 23 00-0001)		
22 45 23 00-0003 EA Portable (Wall Mounted) Heated Gravity-Fed Emergency Eye/Face Wash (Bradley S19-921H)	1,280.95	15.38
22 45 26 Eye/Face Wash Equipment (22 45)		
22 45 26 00-0001 Emergency Eye/Face Wash Equipment (22 45 26)		
22 45 26 00-0002 Emergency Eye/Face Wash Equipment (Haws) (22 45 26 00-0001)		



Plumbing	22
Plumbing Fixtures	22 40
Emergency Plumbing Fixtures	22 45

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 45 26 00-0003 EA Unmounted, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly And Stainless Steel Bowl (Haws 7460).....	598.97	128.21
Note: Excludes p-trap and tailpiece.		
22 45 26 00-0004 EA Wall Mounted, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly Without Receptor (Haws 7324).....	630.66	179.49
22 45 26 00-0005 EA Wall Mounted, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly And Plastic Bowl (Haws 7260B-7270B).....	618.85	179.49
Note: Excludes p-trap and tailpiece.		
22 45 26 00-0006 EA Wall Mounted, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly And Plastic Bowl (Haws 7260BT-7270BT).....	665.31	179.49
Note: Excludes p-trap and tailpiece.		
22 45 26 00-0007 EA Wall Mounted, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly And Stainless Steel Bowl (Haws 7360B-7460B).....	670.03	179.49
Note: Excludes p-trap and tailpiece.		
22 45 26 00-0008 EA Wall Mounted, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly And Stainless Steel Bowl (Haws 7360BT-7460BT).....	725.95	179.49
Note: Excludes p-trap and tailpiece.		
22 45 26 00-0009 EA Wall Mounted, Barrier-Free, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly And Stainless Steel Bowl (Haws 7360BTWC).....	949.59	179.49
22 45 26 00-0010 EA Wall Mounted, All Stainless Steel, Corrosion Resistant, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly And Stainless Steel Bowl And Dust Cover (Haws 7778B).....	1,697.72	179.49
22 45 26 00-0011 EA Pedestal Mounted, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly And Plastic Bowl (Haws 7261-7271).....	764.63	205.12
22 45 26 00-0012 EA Pedestal Mounted, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly And Stainless Steel Bowl (Haws 7361-7461).....	855.19	205.12
22 45 26 00-0013 EA Pedestal Mounted, All Stainless Steel, Corrosion Resistant, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly And Stainless Steel Bowl (Haws 7777).....	1,768.69	205.12
22 45 26 00-0014 EA Sink Mounted, Swing-Away, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly (Haws 7611).....	468.75	51.28
22 45 26 00-0015 EA Right Side Sink Mounted, Swing-Away, Emergency Eye/Face Wash With Stainless Steel Axion® MSR Wash Head Assembly (Haws 7612).....	453.00	51.28
22 45 26 00-0016 EA Left Side Sink Mounted, Swing-Away, Emergency Eye/Face Wash With Stainless Steel Axion® MSR Wash Head Assembly (Haws 7612LH).....	472.68	51.28
22 45 26 00-0017 EA Wall Or Deck Mounted, Barrier-Free, Swing-Down, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly (Haws 7610).....	586.87	51.28
22 45 26 00-0018 EA Recessed Wall Mounted, Barrier-Free, Pull Down, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly And Stainless Steel Cabinet (Haws 7655WCC).....	1,505.06	256.41
22 45 26 00-0019 EA Surface Wall Mounted, Wheelchair Accessible, Pull Down, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly And Stainless Steel Cabinet (Haws 7655WCSM).....	1,760.81	205.12
22 45 26 00-0020 EA Recessed Wall Mounted, Barrier-Free, Pull Down, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly And Stainless Steel Cabinet And Drain Pan (Haws 7656WCC).....	1,835.81	256.41
22 45 26 00-0021 EA Surface Wall Mounted, Wheelchair Accessible, Pull Down, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly And Stainless Steel Cabinet And Drain Pan (Haws 7656WCSM).....	2,099.44	205.12
22 45 26 00-0022 Emergency Eye/Face Wash Equipment (Speakman) (22 45 26 00-0001)		
22 45 26 00-0023 EA Wall Mounted, Lifesaver® Emergency Eye/Face Wash And Plastic Bowl (Speakman SE-495).....	558.05	179.49
22 45 26 00-0024 EA Floor Mounted, DuraJade™ Finish, Lifesaver® Emergency Eye/Face Wash And Plastic Bowl (Speakman SE-496).....	672.96	205.12
22 45 26 00-0025 Emergency Eye/Face Wash Equipment (WaterSaver) (22 45 26 00-0001)		
22 45 26 00-0026 EA Wide Area, Emergency Eye/Face Wash With Stainless Steel Bowl, Wall Mounted (WaterSaver FE724).....	804.23	179.49
22 45 26 00-0027 EA Wide Area, Emergency Eye/Face Wash With Stainless Steel Bowl And Cover, Wall Mounted (WaterSaver FE724BC).....	1,006.34	179.49
22 45 26 00-0028 EA Wide Area, Push-Down Valve, Emergency Eye/Face Wash, Recess Deck Mounted (WaterSaver FE727).....	980.64	179.49
22 45 26 00-0029 EA Push-Down Valve, Emergency Eye/Face Wash, Recess Deck Mounted (WaterSaver FE765).....	919.33	179.49
22 45 26 00-0030 EA Auto Flow, Right Hand Mounting, Emergency Eye/Face Wash, Deck Mounted (WaterSaver FE774).....	450.22	51.28
22 45 26 00-0031 EA Auto Flow, Left Hand Mounting, Emergency Eye/Face Wash, Deck Mounted (WaterSaver FE774LH).....	450.22	51.28
22 45 26 00-0032 EA Right Hand Mounting, Emergency Eye/Face Wash, Deck Mounted (WaterSaver FE775).....	438.26	51.28
22 45 26 00-0033 EA Left Hand Mounting, Emergency Eye/Face Wash, Deck Mounted (WaterSaver FE775LH).....	438.26	51.28
22 45 26 00-0034 EA Swing-Down, Auto Flow, Emergency Eye/Face Wash, Wall Mounted (WaterSaver FE778).....	643.74	51.28
22 45 26 00-0035 EA Swing-Down, Auto Flow, Emergency Eye/Face Wash, Deck Mounted (WaterSaver FE779).....	643.74	51.28
22 45 29 Hand-Held Emergency Drench Hoses (22 45)		
22 45 29 00-0001 Hand-Held Emergency Eye/Face/Body Wash With Hose (22 45 29)		
22 45 29 00-0002 Hand-Held Emergency Eye/Face/Body Wash With Hose (Haws) (22 45 29 00-0001)		
22 45 29 00-0003 EA Counter Mounted, Hand-Held Emergency Eye/Face/Body Wash With Axion® MSR Wash Head Assembly And 8' Hose (Haws 8904).....	506.21	64.10
22 45 29 00-0004 EA Wall Mounted, Hand-Held Emergency Eye/Face/Body Wash With Axion® MSR Wash Head Assembly And 12' Recoil Hose (Haws 8905).....	577.09	64.10
22 45 29 00-0005 Hand-Held Emergency Eye/Face/Body Wash With Hose (WaterSaver) (22 45 29 00-0001)		
22 45 29 00-0006 EA Emergency Drench Hose Unit, Deck Mounted (WaterSaver EW1020).....	369.24	64.10
22 45 29 00-0007 EA Emergency Drench Hose Unit, Wall Mounted (WaterSaver EW1025).....	345.23	64.10
22 45 29 00-0008 EA Emergency Eye Wash Drench Hose Unit, Wall Mounted (WaterSaver EW1014).....	486.46	64.10
22 45 29 00-0009 EA Emergency Eye Wash Drench Hose Unit, Deck Mounted (WaterSaver EW1022).....	459.75	64.10
22 45 29 00-0010 EA Emergency Eye Wash Drench Hose Unit, Wall Mounted (WaterSaver EW1026).....	469.31	64.10
22 45 29 00-0011 EA Ball Valve With Flag Handle, Emergency Eye Wash Drench Hose Unit, Deck Mounted (WaterSaver EW1028).....	595.25	64.10



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 45 29 00-0012 EA Ball Valve With Flag Handle And Vacuum Breaker, Emergency Eye Wash Drench Hose Unit, Deck Mounted (WaterSaver EW1028VB).....	679.01	64.10
22 45 29 00-0013 EA Emergency Eye Wash Drench Hose Unit, 45 Degree Panel Mounted (WaterSaver EW1041).....	650.61	64.10
22 45 33 Combination Emergency Fixture Units (22 45)		
22 45 33 00-0001 Emergency Shower With Eye/Face Wash (22 45 33)		
22 45 33 00-0002 Emergency Shower With Eye/Face Wash (Haws) (22 45 33 00-0001)		
22 45 33 00-0003 EA Floor Mounted, All Stainless Steel, Corrosion Resistant, Emergency Drench Shower With Axion® MSR Stainless Steel Showerhead And Eye/Face Wash With Axion® MSR Wash Head Assembly And Stainless Steel Bowl (Haws 8330).....	2,970.09	333.33
22 45 33 00-0004 EA Floor Mounted, Freeze Protected, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead And Eyewash With Soft-Flo Heads And Stainless Steel Bowl (Haws 8300FP).....	2,072.34	333.33
Note: Includes freeze protection bury valve.		
22 45 33 00-0005 EA Floor Mounted, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead And Eye/Face Wash With Axion® MSR Wash Head Assembly And Stainless Steel Bowl (Haws 8300-8309).....	1,501.40	333.33
22 45 33 00-0006 EA Floor Mounted, Freeze Protected, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead And Eyewash With Soft-Flo Heads And Stainless Steel Bowl (Haws 8300.158).....	2,277.09	333.33
22 45 33 00-0007 EA Floor Mounted, Corrosion Resistant, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead And Eye/Face Wash With Axion® MSR Wash Head Assembly And Stainless Steel Bowl (Haws 8300CRP-8309CRP).....	1,721.90	333.33
22 45 33 00-0008 EA Floor Mounted, Barrier-Free, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead And Eye/Face Wash With Axion® MSR Wash Head Assembly And Stainless Steel Bowl (Haws 8309WC).....	1,631.34	333.33
22 45 33 00-0009 EA Floor Mounted, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead And Eye/Face Wash With Axion® MSR Wash Head Assembly (Haws 8317).....	1,422.65	333.33
22 45 33 00-0010 EA Floor Mounted, Corrosion Resistant, PVC Plastic, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead And Eye/Face Wash With Axion® MSR Wash Head Assembly And Plastic Bowl (Haws 8336).....	2,206.21	333.33
22 45 33 00-0011 EA Recessed Wall Mounted, Barrier-Free, Pull Down, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly With Stainless Steel Cabinet And Ceiling Mounted Axion® MSR Stainless Steel Showerhead (Haws 8355WCC).....	2,399.15	333.33
22 45 33 00-0012 EA Recessed Wall Mounted, Barrier-Free, Pull Down, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly With Stainless Steel Cabinet And Wall Mounted Axion® MSR Stainless Steel Showerhead (Haws 8355WCW).....	2,442.46	333.33
22 45 33 00-0013 EA Recessed Wall Mounted, Barrier-Free, Pull Down, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly With Stainless Steel Cabinet And Drain Pan And Ceiling Mounted Axion® MSR Stainless Steel Showerhead (Haws 8356WCC).....	2,706.27	333.33
22 45 33 00-0014 EA Recessed Wall Mounted, Barrier-Free, Pull Down, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly With Stainless Steel Cabinet And Drain Pan, Daylight Drain And Wall Mounted Axion® MSR Stainless Steel Showerhead (Haws 8356WCDD).....	2,859.84	333.33
22 45 33 00-0015 EA Recessed Wall Mounted, Barrier-Free, Pull Down, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly With Stainless Steel Cabinet And Drain Pan And Wall Mounted Axion® MSR Stainless Steel Showerhead (Haws 8356WCW).....	2,816.53	333.33
22 45 33 00-0016 EA Floor Mounted, 120 VAC Cable Heated, Freeze Protected, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead And Eye/Face Wash With Axion® MSR Wash Head Assembly (Haws 8317CTFP).....	4,115.90	333.33
22 45 33 00-0017 EA Floor Mounted, 220 VAC Cable Heated, Freeze Protected, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead And Eye/Face Wash With Axion® MSR Wash Head Assembly (Haws 8317CTFP.220V).....	4,328.53	333.33
22 45 33 00-0018 EA Floor Mounted, C1D1 Rated, 120 VAC Cable Heated, Freeze Protected, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead And Eye/Face Wash With Axion® MSR Wash Head Assembly (Haws 8317CTFPC1D1).....	8,935.40	333.33
22 45 33 00-0019 EA Floor Mounted, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead And Eye/Face Wash With Axion® MSR Wash Head Assembly And Plastic Bowl (Haws 8320-8325).....	1,422.65	333.33
22 45 33 00-0020 EA Floor Mounted, Corrosion Resistant, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead And Eye/Face Wash With Axion® MSR Wash Head Assembly And Plastic Bowl (Haws 8320CRP).....	1,584.09	333.33
22 45 33 00-0021 Emergency Shower With Eye/Face Wash (Speakman) (22 45 33 00-0001)		
22 45 33 00-0022 EA Floor Mounted, Emergency Drench Shower With Plastic Showerhead And Eye/Face Wash With Plastic Bowl (Speakman SE-690).....	1,247.51	333.33
22 45 33 00-0023 Emergency Shower With Eye/Face Wash (WaterSaver) (22 45 33 00-0001)		
22 45 33 00-0024 EA All-Stainless Steel, Wide Area, Emergency Shower With Eye/Face Wash Station, Floor Mounted (WaterSaver SS994).....	3,060.07	278.58
22 45 33 00-0025 EA Polished Chrome Construction, Wide Area, Emergency Shower With Eye/Face Wash Station, Floor Mounted (WaterSaver SS909PCC).....	3,120.98	278.58
22 45 33 00-0026 EA Emergency Shower With Eye Wash Station And Stainless Steel Bowl, Floor Mounted (WaterSaver SS902).....	1,404.39	278.58
22 45 33 00-0027 EA Emergency Shower With Eye Wash Station And Plastic Bowl, Floor Mounted (WaterSaver SS902P).....	1,309.63	278.58
22 45 33 00-0028 EA Emergency Shower With Eye Wash Station And Stainless Steel Bowl And Cover, Floor Mounted (WaterSaver SS902BC).....	1,606.50	278.58
22 45 36 Emergency Fixture Water-Tempering Equipment (22 45)		
22 45 36 00-0001 Emergency Fixture Water-Tempering Equipment (22 45 36)		
22 45 36 00-0002 Emergency Fixture Water-Tempering Equipment (Haws) (22 45 36 00-0001)		
22 45 36 00-0003 EA 10 GPM, 1/2" Inlet, 1/2" Outlet, Brass Thermostatic Mixing/Tempering Valve (Haws 9201EW).....	533.77	64.10
22 45 36 00-0004 EA 12 GPM, 1/2" Inlet, 3/4" Outlet, Brass Thermostatic Mixing/Tempering Valve (Haws 9201EFE).....	766.09	64.10
22 45 36 00-0005 EA 31 GPM, 1-1/4" Inlet, 1-1/4" Outlet, Brass Thermostatic Mixing/Tempering Valve (Haws 9201E).....	1,108.65	64.10
22 45 36 00-0006 EA 78 GPM, 1-1/4" Inlet, 1-1/4" Outlet, Brass Thermostatic Mixing/Tempering Valve (Haws 9202E).....	1,301.59	64.10
22 45 36 00-0007 EA 31 GPM, 1" Inlet, 1-1/4" Outlet, Secondary High Temperature Limit Valve, Lead Free, Brass Thermostatic Mixing/Tempering Valve (Haws 9201H).....	1,829.21	64.10



Plumbing	22	22
Plumbing Fixtures	22 40	
Emergency Plumbing Fixtures	22 45	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 45 36 00-0008 EA 12 GPM, 1/2" Inlet, 3/4" Outlet, Secondary High Temperature Limit Valve, Brass Thermostatic Mixing/Tempering Valve (Haws TWBS.EWE).....	1,927.65	64.10
22 45 36 00-0009 EA 74 GPM, 1-1/4" Inlet, 1-1/4" Outlet, Secondary High Temperature Limit Valve, Lead Free, Brass Thermostatic Mixing/Tempering Valve (Haws TWBS.SHE).....	3,215.21	64.10
22 45 36 00-0010 EA 78 GPM, 2" Inlet, 2" Outlet, Secondary High Temperature Limit Valve, Lead Free, Brass Thermostatic Mixing/Tempering Valve (Haws TWBS.HF).....	3,857.02	64.10
22 45 36 00-0011 EA 1/2" Inlet, 1/2" Outlet, Brass Scald Protection Bleed Valve (Haws SP157B)	592.83	64.10

22 45 39 Emergency Plumbing Fixture Accessories (22 45)

22 45 39 00-0001 Emergency Plumbing Fixture Accessories (22 45 39)

22 45 39 00-0002 Emergency Plumbing Fixture Accessories (Haws) (22 45 39 00-0001)

22 45 39 00-0003 EA Pedestal Mounted, Powder Coated Aluminum Foot Control Assembly For Hands Free Activation Of Emergency Plumbing Fixtures (Haws SP220).....	139.47	20.51
22 45 39 00-0004 EA Wall Mounted, Powder Coated Aluminum Foot Control Assembly For Hands Free Activation Of Emergency Plumbing Fixtures (Haws SP220W)	190.65	20.51
22 45 39 00-0005 EA Pedestal Mounted, Stainless Steel Foot Control Assembly For Hands Free Activation Of Emergency Plumbing Fixtures (Haws SP220SS).....	198.53	20.51
22 45 39 00-0006 EA Axion® MSR Stainless Steel Showerhead For Emergency Drench Showers (Haws SP829SS).....	212.26	7.69
22 45 39 00-0007 EA Stainless Steel Dust Cover For Emergency Eye/Face Wash Bowls (Haws 9102).....	215.00	5.13
22 45 39 00-0008 EA 3-Sided ABS Plastic Safety Sign For Emergency Combination Shower And Eyewash Units (Haws 9020).....	237.07	10.25
22 45 39 00-0009 EA Emergency Body Spray Kit With 8' Hose And ABS Plastic Head For Emergency Plumbing Fixtures (Haws 8901RFK)	449.15	76.93
22 45 39 00-0010 EA Class 1, Div. 1, Group B, C And D, Indicator Light For Emergency Plumbing Fixtures (Haws 8317IDLTEXP)	432.45	31.17
22 45 39 00-0011 EA Vapor Tight And Gasketed, Green Area Light For Emergency Plumbing Fixtures (Haws 8317LT).....	637.21	31.17
22 45 39 00-0012 EA Privacy Curtain For Horizontal Emergency Drench Shower Or Combination Emergency Drench Shower And Eyewash Units (Haws 9037).....	766.09	76.93
22 45 39 00-0013 EA Class 1, Div. 1, Group B, C And D, White Area Light For Emergency Plumbing Fixtures (Haws 8317LTEXP)	1,405.02	31.17
22 45 39 00-0014 EA 1/2" Supply, Emergency Alarm And Light System For Emergency Plumbing Fixtures (Haws 9001.5).....	1,585.92	103.89
22 45 39 00-0015 EA 1-1/4" Supply, Emergency Alarm And Light System For Emergency Plumbing Fixtures (Haws 9001).....	1,617.42	103.89
22 45 39 00-0016 EA 1-1/4" Supply, Class 1, Division 2, Groups B, C, And D Emergency Alarm And Light System For Emergency Plumbing Fixtures (Haws 9001EXP)	2,964.05	103.89
22 45 39 00-0017 EA 1-1/4" Supply, 90 db, Class 1, Division 1, Groups C And D, Emergency Alarm And Light System For Emergency Plumbing Fixtures (Haws 9001EXPC1D1)	5,602.18	103.89

22 45 39 00-0018 Emergency Plumbing Fixture Accessories (Speakman) (22 45 39 00-0001)

22 45 39 00-0019 EA Privacy Curtain For Emergency Showers	719.15	76.93
Note: Curtain includes stainless steel curtain rod and mounting accessories.		

22 45 39 00-0020 Emergency Plumbing Fixture Accessories (WaterSaver) (22 45 39 00-0001)

22 45 39 00-0021 EA Hand And Foot Control For Emergency Eyewash Equipment (WaterSaver HFC).....	97.56	16.71
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22 46 Security Plumbing Fixtures (22 40)

22 46 13 Security Water Closets And Urinals (22 46)

22 46 13 00-0001 Security Fixtures (22 46 13)

22 46 13 00-0002 EA Prison Urinal, Back Supply And Flush, Wall Hung, Stainless Steel	2,704.09	230.77
22 46 13 00-0003 EA Prison Urinal, Back Supply And Flush, Stall, Stainless Steel.....	4,563.12	327.89
22 46 13 00-0004 EA Prison Water Closet, Integral Seat, Back Supply And Flush Valve, Wall Hung, Wall Outlet, Cast Aluminum.....	2,310.50	256.41
For Angled Toilet, Add	25.64	
For Offset Toilet, Add	205.41	
22 46 13 00-0005 EA Prison Water Closet, Integral Seat, Back Supply And Flush Valve, Floor Mount, Wall Outlet, Cast Aluminum.....	2,773.56	256.41
For Angled Toilet, Add	25.64	
For Offset Toilet, Add	251.72	
22 46 13 00-0006 EA Prison Water Closet, Integral Seat, Back Supply And Flush Valve, Floor Mount, Floor Outlet, Cast Aluminum.....	2,814.13	256.41
For Angled Toilet, Add	25.64	
For Offset Toilet, Add	255.77	
22 46 13 00-0007 EA For Recessed Tissue Holder For Prison Water Closet, Stainless Steel.....	268.97	51.28
22 46 13 00-0008 EA 15" Wide Combination Prison Water Closet And Lavatory Unit, Soap And Paper Holders, Seat, Wall Mounted, Stainless Steel.....	4,130.54	317.95
For Angled Toilet, Add	31.79	
For Offset Toilet, Add	381.26	
For 15" Mirror/Shelf Module, Add	867.95	
For AC Duplex Outlet Option, Add	93.59	
For Intercom Option, Add	138.59	
For 15" Wide Light/Ventilation Module, Add	825.77	
22 46 13 00-0009 EA 18" Wide Combination Prison Water Closet And Lavatory Unit, Soap And Paper Holders, Seat, Wall Mounted, Stainless Steel.....	4,257.83	333.33
For Angled Toilet, Add	33.33	
For Offset Toilet, Add	392.45	
For 18" Mirror/Shelf Module, Add	908.33	
For AC Duplex Outlet Option, Add	96.67	
For Intercom Option, Add	141.67	
For 18" Wide Light/Ventilation Module, Add	850.00	

22	Plumbing
22 40	Plumbing Fixtures
22 46	Security Plumbing Fixtures



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 46 13 00-0010	EA		20" Wide Combination Prison Water Closet And Lavatory Unit, Soap And Paper Holders, Seat, Wall Mounted, Stainless Steel.....	4,355.75	348.71
			<i>For Angled Toilet, Add</i>	34.87	
			<i>For Offset Toilet, Add</i>	400.70	
			<i>For 20" Mirror/Shelf Module, Add</i>	958.71	
			<i>For AC Duplex Outlet Option, Add</i>	99.74	
			<i>For Intercom Option, Add</i>	144.74	
			<i>For 20" Wide Light/Ventilation Module, Add</i>	884.23	
22 46 13 00-0011	EA		26" Wide Combination Prison Water Closet And Lavatory Unit, Soap And Paper Holders, Seat, Wall Mounted, Stainless Steel.....	4,657.93	364.10
			<i>For Angled Toilet, Add</i>	36.41	
			<i>For Offset Toilet, Add</i>	429.38	
			<i>For 26" Mirror/Shelf Module, Add</i>	999.10	
			<i>For AC Duplex Outlet Option, Add</i>	102.82	
			<i>For Intercom Option, Add</i>	147.82	
			<i>For 26" Wide Light/Ventilation Module, Add</i>	913.46	
22 46 13 00-0012	EA		28" Wide Combination Prison Water Closet And Lavatory Unit, Soap And Paper Holders, Seat, Floor Mounted, Stainless Steel.....	7,426.49	379.48
			<i>For Angled Toilet, Add</i>	37.95	
			<i>For Offset Toilet, Add</i>	704.70	
			<i>For 28" Mirror/Shelf Module, Add</i>	1,034.48	
			<i>For AC Duplex Outlet Option, Add</i>	105.90	
			<i>For Intercom Option, Add</i>	150.90	
			<i>For 28" Wide Light/Ventilation Module, Add</i>	942.69	

22 46 16 Security Lavatories And Sinks (22 46)

22 46 16 00-0001 Security Lavatories And Sinks (22 46 16)

22 46 16 00-0002	EA		Prison Lavatory, Wall Hung, Push Button Filler V, Rectangular Bowl, Stainless Steel.....	1,663.19	179.49
			<i>For Shelf, Add</i>	88.85	
22 46 16 00-0003	EA		Prison Lavatory, Wall Hung, Push Button Filler V, Oval Bowl, Stainless Steel.....	1,690.05	179.49
			<i>For Shelf, Add</i>	88.85	
22 46 16 00-0004	EA		Prison Lavatory, Wall Hung, Push Button Filler V, Oval Bowl, Corner Mount, Stainless Steel.....	1,916.87	179.49
			<i>For Shelf, Add</i>	88.85	
22 46 16 00-0005	EA		Prison Lavatory, Wall Hung, Push Button Filler V, Multi Sided Bowl, Stainless Steel.....	1,690.05	179.49
			<i>For Shelf, Add</i>	88.85	
22 46 16 00-0006	EA		Prison Service Sink, With Soap Dish, 22" x 16" x 10", Stainless Steel.....	3,534.18	273.33

22 46 19 Security Showers (22 46)

22 46 19 00-0001	EA		Prison Shower Cabinet, Unitized, 36" X 36" X 88", Stainless Steel.....	9,684.37	372.71
			<i>For Door, Add</i>	139.54	
22 46 19 00-0002	EA		Shower Package For Built-in, Hot And Cold Faucets, Mixing Valve, Rectangular Soap Dish, Stainless Steel.....	628.63	136.92
22 46 19 00-0003	EA		Prison Shower Head With Mixing Valves And Piping Assembly In Wall.....	446.52	71.80
22 46 19 00-0004	EA		30" Prison Shower, Stainless Steel, Knock-Down, Acorn 1730-3M-KD.....	9,100.91	410.25
22 46 19 00-0005	EA		32" Prison Shower, Stainless Steel, Knock-Down, Acorn 1732-3M-KD.....	9,425.47	410.25
22 46 19 00-0006	EA		36" Prison Shower, Stainless Steel, Knock-Down, Acorn 1736-3M-KD.....	9,759.50	410.25
22 46 19 00-0007	EA		36" ADA Prison Shower, Stainless Steel, Front Access, Acorn 1736-ADA-3M-FA.....	12,374.94	410.25
22 46 19 00-0008	EA		Wall Mounted Shower, Stainless Steel, Acorn 1741.....	936.18	107.69
			<i>For PWT Electronic FV, Add</i>	148.00	
22 46 19 00-0009	EA		Wall Mounted ADA Shower, Stainless Steel, Acorn 1741 ADA.....	1,124.16	107.69
			<i>For PWT Electronic FV, Add</i>	148.00	

22 46 56 Security Drinking Fountains (22 46)

22 46 56 00-0001 Drinking Fountain (22 46 56)

Note: Includes air control valve, bubbler with mouthguard and mounting bracket.

22 46 56 00-0002	EA		Wall Mounted Drinking Fountain, Stainless Steel, Acorn 1670-1-BP-3-FA.....	1,880.75	205.12
22 46 56 00-0003	EA		Wall Mounted ADA Drinking Fountain, Stainless Steel, Acorn 1672-1-ADA-BP-3-FA.....	1,893.70	205.12

22 47 Drinking Fountains And Water Coolers (22 40)

22 47 13 Drinking Fountains (22 47)

22 47 13 00-0001 Indoor Drinking Fountains (22 47 13)

22 47 13 00-0002 Face Mounted Indoor Drinking Fountain (22 47 13 00-0001)

22 47 13 00-0003	EA		Stainless Steel, Standard Length, Semi-Circular Indoor Drinking Fountain With Bubbler, 180 Degree Push Bar (Halsey-Taylor OVL-II-S).....	1,503.65	166.67
22 47 13 00-0004	EA		Stainless Steel, Standard Length, Semi-Circular With Back Panel Indoor Drinking Fountain With Bubbler, 180 Degree Push Bar (Halsey-Taylor OVL-II-SBP).....	2,164.39	179.49
22 47 13 00-0005	EA		Stainless Steel, Extended Length, Semi-Circular Indoor Drinking Fountain With Bubbler, 180 Degree Push Bar (Halsey-Taylor OVL-II-E).....	1,960.17	166.67
22 47 13 00-0006	EA		Stainless Steel, Extended Length, Semi-Circular With Back Panel Indoor Drinking Fountain With Bubbler, 180 Degree Push Bar (Halsey-Taylor OVL-II-EBP).....	2,328.79	179.49
22 47 13 00-0007	EA		Stainless Steel, Standard Length, Rectangle Indoor/Outdoor Drinking Fountain With Bubbler, Rounded Corners (Halsey-Taylor HRFSS).....	1,029.90	166.67
22 47 13 00-0008	EA		Stainless Steel, Standard Length, Rectangle With Back Panel Indoor/Outdoor Drinking Fountain With Bubbler, Rounded Corners With Back Panel (Halsey-Taylor HRFSSBP).....	1,223.51	179.49
22 47 13 00-0009	EA		Stainless Steel, Extended Length, Rectangle Indoor/Outdoor Drinking Fountain With Bubbler, Rounded Corners (Halsey-Taylor HRFSE).....	1,156.19	166.67



Plumbing	22	22
Plumbing Fixtures	22 40	
Drinking Fountains And Water Coolers	22 47	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 47 13 00-0010 EA Stainless Steel, Extended Length, Rectangle With Back Panel Indoor/Outdoor Drinking Fountain With Bubblers, Rounded Corners (Halsey-Taylor HRFEBP)	1,394.23	179.49
22 47 13 00-0011 Wall Mounted Indoor Drinking Fountain (22 47 13 00-0001)		
22 47 13 00-0012 EA Stainless Steel Wall-Mounted Rectangle Indoor Drinking Fountain With Bubblers, Backsplash, Front And Side Push Bars (Halsey-Taylor 5701).....	1,063.45	179.49
22 47 13 00-0013 EA Stainless Steel Wall-Mounted Rectangle Indoor Drinking Fountain/Bottle Filling Station With Bubblers, Backsplash, Front And Side Push Bars (Halsey-Taylor HTHB-HAC8WF).....	1,480.33	179.49
22 47 13 00-0014 EA Bi-Level, Stainless Steel Wall-Mounted Rectangle Indoor Drinking Fountain/Bottle Filling Station With Bubblers, Backsplash, Front And Side Push Bars (Halsey-Taylor HTHB-HAC8BLWF)	2,019.86	179.49
22 47 13 00-0015 Semi-Recessed Indoor Drinking Fountain (22 47 13 00-0001)		
22 47 13 00-0016 EA Stainless Steel Semi-Recessed Indoor Drinking Fountain With Bubblers (Halsey-Taylor 5801)	1,408.73	192.30
22 47 13 00-0017 EA Stainless Steel Semi-Recessed Indoor Drinking Fountain With Bubblers And Cuspidor (Halsey-Taylor 5801C).....	2,933.06	192.30
22 47 13 00-0018 Fully Recessed Indoor Drinking Fountain (22 47 13 00-0001)		
22 47 13 00-0019 EA Stainless Steel Fully-Recessed, With Bubblers, Indoor Drinking Fountain (Halsey-Taylor 8880, Haws 2400).....	1,506.60	205.12
22 47 13 00-0020 EA Stainless Steel Fully-Recessed, With Bubblers And Cuspidor, Indoor Drinking Fountain (Halsey-Taylor 8800 With 10245, Haws 2403)	2,676.05	205.12
22 47 13 00-0021 Countertop Indoor Drinking Fountain (22 47 13 00-0001)		
22 47 13 00-0022 EA Stainless Steel Countertop Circular Indoor Drinking Fountain Basin With Pushbutton Bubblers (Halsey-Taylor 10000)	643.00	128.21
22 47 13 00-0023 EA Stainless Steel Countertop Rectangular Indoor Drinking Fountain Basin With Pushbutton Bubblers (Halsey-Taylor 6000)	620.98	128.21
22 47 13 00-0024 EA Stainless Steel Countertop Oval Indoor Drinking Fountain Basin With Pushbutton Bubblers (Halsey-Taylor 6028)	741.62	128.21
22 47 13 00-0025 Bowl And Bracket Indoor Drinking Fountain (22 47 13 00-0001)		
22 47 13 00-0026 EA Stainless Steel, Bowl And Bracket With Pushbutton Bubblers, Indoor Drinking Fountain (Halsey-Taylor 2501A)	551.41	128.21
22 47 13 00-0027 EA Stainless Steel, Bowl And Bracket, Self Closing Lever Handle Stop, Indoor Drinking Fountain (Halsey-Taylor 4540)	653.68	128.21
22 47 13 00-0028 Multi-Station Indoor Drinking Fountain (22 47 13 00-0001)		
22 47 13 00-0029 EA Stainless Steel Two Station Indoor Drinking Fountains With Bubblers And Built In Backsplash, With Bottom Cover Plate (Halsey-Taylor 7020).....	2,777.32	205.12
22 47 13 00-0030 EA Stainless Steel Three Station Indoor Drinking Fountains With Bubblers And Built In Backsplash, With Bottom Cover Plate (Halsey-Taylor 7030).....	3,471.20	205.12
22 47 13 00-0031 EA Marblyte, Face-Mounted Two Station Indoor Drinking Fountain With Bubblers (Halsey-Taylor 7120)	2,653.06	205.12
22 47 13 00-0032 EA White Enameled Iron Two Station Indoor Drinking Fountains With Bubblers (Haws 1430)	2,250.71	205.12
22 47 13 00-0033 EA White Enameled Iron Three Station Indoor Drinking Fountains With Bubblers (Haws 1435)	2,812.54	205.12
22 47 13 00-0034 EA Stainless Steel, Bi-Level Indoor Drinking Fountain With Bubblers And Back Panel (Halsey-Taylor HRFSEBP, Haws 1119.14 With 6700.4)	2,484.71	261.66
22 47 13 00-0035 EA Cast Aluminum Two Station Indoor Drinking Fountains With Bubblers (Haws 1441)	2,902.05	205.12
22 47 13 00-0036 EA Cast Aluminum Three Station Indoor Drinking Fountains With Bubblers (Haws 1408).....	2,854.04	205.12
22 47 13 00-0037 Outdoor Drinking Fountains (22 47 13)		
22 47 13 00-0038 Face Mounted (22 47 13 00-0037)		
22 47 13 00-0039 EA Stainless Steel Freeze Resistant Face Mounted Outdoor Drinking Fountain With Bubblers (Halsey-Taylor HRFE-FR)	1,325.94	205.12
22 47 13 00-0040 EA Stainless Steel Freeze Resistant Face Mounted, With Back Panel, Outdoor Drinking Fountain With Bubblers (Halsey-Taylor HRFEBP-FR).....	1,445.51	205.12
22 47 13 00-0041 EA Stone Aggregate Weather Resistant Face Mounted Outdoor Drinking Fountain With Bubblers (Halsey-Taylor 4592)	1,393.59	205.12
22 47 13 00-0042 EA Stone Aggregate Freeze Resistant Face Mounted Outdoor Drinking Fountain With Bubblers (Halsey-Taylor 4592-FR)	2,005.62	205.12
22 47 13 00-0043 EA Stainless Steel Face Mounted Outdoor Drinking Fountain With Bubblers (Oasis FLF140PM).....	1,179.55	205.12
Note: For use with remote chillers		
22 47 13 00-0044 Free Standing (22 47 13 00-0037)		
22 47 13 00-0045 EA Steel Pedestal Outdoor Drinking Fountain With Bubblers (Halsey-Taylor 4715)	2,437.81	192.30
22 47 13 00-0046 EA Steel Pedestal Freeze Resistant Outdoor Drinking Fountain With Bubblers (Halsey-Taylor 4715-FR)	3,392.04	192.30
22 47 13 00-0047 EA Steel Barrier-Free Pedestal Outdoor Drinking Fountain With Bubblers (Halsey-Taylor 4710).....	2,434.64	192.30
22 47 13 00-0048 EA Steel Barrier-Free Pedestal Freeze Resistant Outdoor Drinking Fountain With Bubblers (Halsey-Taylor 4710-FR).....	3,331.09	192.30
22 47 13 00-0049 EA Steel Barrier-Free Bi-level Pedestal Outdoor Drinking Fountain With Bubblers (Halsey-Taylor 4720)	3,589.99	205.12
22 47 13 00-0050 EA Steel Barrier-Free Bi-level Pedestal Freeze Resistant Outdoor Drinking Fountain With Bubblers (Halsey-Taylor 4720-FR)	3,653.71	205.12
22 47 13 00-0051 EA Stone Aggregate Pedestal Outdoor Drinking Fountain With Bubblers (Halsey-Taylor 4591)	1,405.69	192.30
22 47 13 00-0052 EA Stone Aggregate Barrier-Free Pedestal Outdoor Drinking Fountain With Bubblers (Halsey-Taylor 4590)	2,368.58	192.30
22 47 13 00-0053 EA Stone Aggregate Barrier-Free Pedestal Freeze Resistant Outdoor Drinking Fountain With Bubblers (Halsey-Taylor 4590-FR)	3,322.82	192.30
22 47 13 00-0054 EA Stone Aggregate Barrier-Free Bi-level Pedestal Outdoor Drinking Fountain With Bubblers (Halsey-Taylor 4595)	3,902.29	205.12
22 47 13 00-0055 EA Stone Aggregate Barrier-Free Bi-level Pedestal Freeze Resistant Outdoor Drinking Fountain With Bubblers (Halsey-Taylor 4595-FR).....	5,442.60	205.12

22 Plumbing**22 40 Plumbing Fixtures****22 47 Drinking Fountains And Water Coolers**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 47 16 Pressure Water Coolers (22 47)		
22 47 16 00-0001 Indoor Water Coolers (22 47 16)		
22 47 16 00-0002 Face Mounted Indoor Water Coolers (22 47 16 00-0001)		
22 47 16 00-0003 EA Stainless Steel, Semi-Circular Water Cooler With Bubbler, Face-Mounted, Extended Length, 180 Degree Push Bar, 7.5 GPH (Halsey-Taylor OVL-II ER-Q).....	2,789.94	205.12
22 47 16 00-0004 EA Stainless Steel, Semi-Circular Water Cooler, Electronic Sensor, Face-Mounted, Extended Length, With Bubbler, 7.5 GPH (Halsey-Taylor OVL-II EREE-Q).....	2,973.23	205.12
22 47 16 00-0005 Wall Mounted Indoor Water Coolers (22 47 16 00-0001)		
22 47 16 00-0006 EA Stainless Steel Wall-Mounted Compact Water Cooler, 4 GPH, With Bubbler, (Halsey-Taylor SW4A-Q).....	1,369.99	205.12
22 47 16 00-0007 EA Stainless Steel Wall-Mounted Compact Water Cooler, 8 GPH, With Bubbler (Halsey-Taylor SW8A-Q).....	1,417.19	205.12
22 47 16 00-0008 EA Stainless Steel Wall-Mounted Compact Water Cooler, 14 GPH, With Bubbler (Halsey-Taylor SW14A-Q).....	1,565.09	205.12
22 47 16 00-0009 EA Stainless Steel Wall-Mounted Vandal Resistant Compact Water Cooler With Bubbler, 8 GPH (Halsey-Taylor SW8A-VR-Q-SS).....	1,621.73	205.12
22 47 16 00-0010 EA Stainless Steel Wall-Mounted Vandal Resistant Barrier Free Water Cooler With Bubbler, 8 GPH (Halsey-Taylor HVR8-CHILD ADA).....	1,222.10	205.12
22 47 16 00-0011 EA Stainless Steel Wall-Mounted Barrier Free Water Cooler With Bubbler, Front And Side Pushbar, 8 GPH (Halsey-Taylor WC8AFS-Q-SS).....	1,403.03	205.12
22 47 16 00-0012 EA Stainless Steel Wall-Mounted Barrier Free Water Cooler With Bubbler, Front And Side Pushbar, 8 GPH (Halsey-Taylor HAC8FS-Q Child SS).....	1,120.62	205.12
22 47 16 00-0013 EA Stainless Steel Wall-Mounted Water Cooler, 8 GPH, With Bubbler, (Halsey-Taylor HAC8VR-BL).....	1,645.58	205.12
22 47 16 00-0014 EA Stainless Steel, Wall Mounted, Barrier Free, Bi-Level Indoor Water Cooler With Bubblers, 8 GPH (Halsey-Taylor HAC8FSBL-Q-SS).....	1,864.61	307.69
22 47 16 00-0015 Simulated Recessed Indoor Water Coolers (22 47 16 00-0001)		
22 47 16 00-0016 EA Stainless Steel Simulated Recessed Water Cooler With Bubbler, 8 GPH (Halsey-Taylor RWM8A-Q).....	1,618.44	205.12
22 47 16 00-0017 Fully Recessed Indoor Water Coolers (22 47 16 00-0001)		
22 47 16 00-0018 EA Stainless Steel Fully-Recessed Water Cooler With Bubbler, 8 GPH (Halsey-Taylor RC8A-Q).....	3,078.75	230.77
22 47 16 00-0019 EA Stainless Steel Fully-Recessed Water Cooler With Bubbler And Cup Dispenser, 8 GPH (Halsey-Taylor RC8AQ + 14762).....	3,740.86	230.77
22 47 16 00-0020 EA Stainless Steel Fully-Recessed Water Cooler With Bubbler And Cup Dispenser And Glass Filler, 8 GPH (Halsey-Taylor RC8A-Q-14700).....	4,363.45	230.77
22 47 16 00-0021 Free Standing Indoor Water Coolers (22 47 16 00-0001)		
22 47 16 00-0022 EA Stainless Steel, Free-Standing Indoor Water Cooler, 4 GPH, With Bubbler (Halsey-Taylor SCWT4A-Q).....	1,313.20	179.49
22 47 16 00-0023 EA Stainless Steel, Free-Standing Indoor Water Cooler, 8 GPH, With Bubbler (Halsey-Taylor SCWT8A-Q).....	1,405.24	179.49
22 47 16 00-0024 EA Stainless Steel, Free-Standing Indoor Water Cooler, 14 GPH, With Bubbler (Halsey-Taylor SCWT14A-Q).....	1,585.38	179.49
22 47 16 00-0025 EA Stainless Steel, Free-Standing Vandal Resistant Water Cooler With Bubbler, 14 GPH (Halsey-Taylor SCWT14A-VR-Q).....	1,756.09	179.49
22 47 16 00-0026 Bottled Water Coolers (22 47 16 00-0001)		
22 47 16 00-0027 EA Free-Standing Bottled Water Cooler With Chilled Or Room Temperature Water.....	470.48	102.56
22 47 16 00-0028 EA Free-Standing Bottled Water Cooler With Chilled Or Hot Water.....	555.01	102.56
22 47 16 00-0029 Multi-Station Indoor Water Coolers (22 47 16 00-0001)		
22 47 16 00-0030 EA Stainless Steel, Wall Mounted, Two Station, Semi-Circular Indoor Water Cooler With Bubblers, 180 Degree Push Bars, 7.5 GPH (Halsey-Taylor OVL-II SER-Q).....	3,111.49	307.69
22 47 16 00-0031 EA Stainless Steel, Wall Mounted, Two Station, Electronic Sensor Semi Circular Indoor Water Cooler With Bubblers, 180 Degree Push Bars, 7.5 GPH (Halsey-Taylor OVL-II-SEREE-Q).....	4,698.21	307.69
22 47 16 00-0032 EA Stainless Steel, Wall Mounted, Barrier Free, Bi-Level, Vandal Resistant Indoor Water Cooler With Bubblers, 8 GPH (Halsey-Taylor HVR8BL-CHILD ADA-SS).....	2,011.72	307.69
22 47 16 00-0033 Outdoor Water Coolers (22 47 16)		
22 47 16 00-0034 Wall Mounted Outdoor Water Coolers (22 47 16 00-0033)		
22 47 16 00-0035 EA Stainless Steel, Wall Mounted, Barrier Free, Vandal Resistant, Frost Resistant Outdoor Water Cooler With Bubbler, 8 GPH (Halsey-Taylor HVR8FR-CHILD ADA-SS).....	1,387.99	128.21
22 47 16 00-0036 EA Stainless Steel, Wall Mounted, Barrier Free, Bi-Level, Vandal Resistant Outdoor Water Cooler With Bubblers, 8 GPH (Halsey-Taylor HVR8BLFR-CHILD ADA-SS).....	2,352.11	128.21
22 47 16 00-0037 Free Standing Outdoor Water Coolers (22 47 16 00-0033)		
22 47 16 00-0038 EA Stainless Steel Free-Standing Outdoor Water Cooler With Bubbler, 14 GPH (Halsey-Taylor HOF14A-Q).....	2,282.83	192.30
22 47 16 00-0039 EA Stainless Steel Free-Standing Frost Resistant Outdoor Water Cooler With Bubbler, 14 GPH (Halsey-Taylor HOF14A-FR-Q).....	2,723.37	192.30
22 47 16 00-0040 Removal And Reinstallation Of Fixtures And Trim (22 47 16)		
Note: Includes storage, cleaning and supply materials for reconnecting pipe to fixture.		



Plumbing	22	22
Plumbing Fixtures	22 40	
Drinking Fountains And Water Coolers	22 47	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 47 16 00-0041 EA Removal And Reinstallation Of Wall Hung Water Cooler	498.19	
22 47 16 00-0042 EA Removal And Reinstallation Of Floor Mount Water Cooler	111.43	
22 47 19 Water-Station Water Coolers (22 47)		
22 47 19 00-0001 Bottle Filler (22 47 19)		
22 47 19 00-0002 EA Outdoor Tubular Bottle Filling Station, Surface Mount (Elkay LK4410BF)	3,275.89	205.12
For Stainless Steel Carrier, Add	205.00	
22 47 19 00-0003 EA Outdoor Tubular Bottle Filling Station, Surface Mount, Freeze Resistant (Elkay LK4410BFFRK)	4,126.21	205.12
For Stainless Steel Carrier, Add	205.00	
22 47 19 00-0004 EA Tri-level Outdoor Tubular Bottle Filling Station With Single Bottle Filler And Two Drinking Fountain Basins, Surface Mount (Elkay LK4430BF1)	5,285.27	230.77
For Stainless Steel Carrier, Add	205.00	
22 47 19 00-0005 EA Tri-level Outdoor Tubular Bottle Filling Station With Two Bottle Fillers And Single Drinking Fountain Basin, Surface Mount (Elkay LK4430BF2)	5,704.35	230.77
For Stainless Steel Carrier, Add	205.00	
22 47 19 00-0006 EA Tri-level Outdoor Tubular Bottle Filling Station With Three Bottle Fillers, Surface Mount (Elkay LK4430BF3)	6,123.44	230.77
For Stainless Steel Carrier, Add	205.00	
22 47 23 Remote Water Coolers (22 47)		
22 47 23 00-0001 Remote Chillers (22 47 23)		
22 47 23 00-0002 EA 1.5 GPH Remote Chiller (Halsey-Taylor SJ1-Q)	797.69	69.22
22 47 23 00-0003 EA 5 GPH Remote Chiller (Halsey-Taylor SJ5-Q)	1,201.69	76.93
22 47 23 00-0004 EA 8 GPH Remote Chiller (Halsey-Taylor SJ8-Q)	1,041.67	89.74
22 47 23 00-0005 EA 10 GPH Remote Chiller (Halsey-Taylor SJ10-Q)	1,335.57	102.56
22 47 23 00-0006 EA 19 GPH Remote Chiller (Halsey-Taylor SJ19-Q)	2,089.52	153.84
22 47 23 00-0007 EA 30 GPH Remote Chiller (Halsey-Taylor SJ30-Q)	2,265.39	166.67
22 47 26 Fixture Carriers (22 47)		
22 47 26 00-0001 Water Cooler Carriers (22 47 26)		
22 47 26 00-0002 Floor Mounted, Water Cooler Carriers (22 47 26 00-0001)		
Note: Includes adjustable supporting rods, structural uprights and welded feet.		
22 47 26 00-0003 EA Floor Mounted Hanger Plate Type, Single Water Cooler Carrier	348.42	38.98
For Up To 4" Extension Sleeves And Hardware, Add	14.73	
For Bi-Level Carrier, Add	181.64	
22 47 26 00-0004 EA Floor Mounted Bearing Plate Type, Single Water Cooler Carrier	375.08	38.98
For Up To 4" Extension Sleeves And Hardware, Add	14.73	
For Bi-Level Carrier, Add	181.64	
22 50 Pool And Fountain Plumbing Systems (22)		
22 51 Swimming Pool Plumbing Systems (22 50)		
22 51 13 Swimming Pool Piping (22 51)		
22 51 13 00-0001 Swimming Pool Gutters (22 51 13)		
22 51 13 00-0002 LF Swimming Pool Gutters, Stainless	231.97	23.08
22 51 19 Swimming Pool Water Treatment Equipment (22 51)		
22 51 19 00-0001 Swimming Pool Heaters (22 51 19)		
Note: Excludes wiring, external piping, base or pad. Commercial pools.		
22 51 19 00-0002 Electric Pool Heaters (22 51 19 00-0001)		
22 51 19 00-0003 EA 12 KW Heater (1 Degree/Hour), For 4,800 Gallon Pool	3,008.77	205.12
22 51 19 00-0004 EA 18 KW Heater (1 Degree/Hour), For 7,200 Gallon Pool	3,352.76	220.51
22 51 19 00-0005 EA 24 KW Heater (1 Degree/Hour), For 9,600 Gallon Pool	3,737.63	256.41
22 51 19 00-0006 EA 30 KW Heater (1 Degree/Hour), For 12,000 Gallon Pool	3,994.26	307.69
22 51 19 00-0007 EA 36 KW Heater (1 Degree/Hour), For 14,400 Gallon Pool	4,490.20	430.76
22 51 19 00-0008 EA 60 KW Heater (1 Degree/Hour), For 24,000 Gallon Pool	5,273.14	615.37
22 51 19 00-0009 Gas Fired Pool Heaters (22 51 19 00-0001)		
22 51 19 00-0010 EA 120 MBH Output Gas Fired Pool Heater	3,468.99	461.88
22 51 19 00-0011 EA 180 MBH Output Gas Fired Pool Heater	4,006.37	548.48
22 51 19 00-0012 EA 240 MBH Output Gas Fired Pool Heater	5,358.77	962.25
22 51 19 00-0013 EA 300 MBH Output Gas Fired Pool Heater	6,516.97	1,154.70
22 51 19 00-0014 EA 360 MBH Output Gas Fired Pool Heater	6,935.25	1,279.29
22 51 19 00-0015 EA 400 MBH Output Gas Fired Pool Heater	7,954.08	1,496.30
22 51 19 00-0016 EA 500 MBH Output Gas Fired Pool Heater	12,291.49	1,795.56
22 51 19 00-0017 EA 600 MBH Output Gas Fired Pool Heater	14,165.14	1,995.07
22 51 19 00-0018 EA 750 MBH Output Gas Fired Pool Heater	15,914.03	2,154.67
22 51 19 00-0019 EA 1,000 MBH Output Gas Fired Pool Heater	20,225.37	2,543.71

22 Plumbing**22 50 Pool And Fountain Plumbing Systems****22 51 Swimming Pool Plumbing Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 51 19 00-0020 Surge Tanks <small>(22 51 19)</small> Note: Includes 100 GPM vertical pump with 2 HP motor and electronic float switch. Prices are for 1' To 5' sump depth for pump.		
22 51 19 00-0021 EA 1,000 Gallon Surge Tank, With 2 HP Motor With 100 GPM Vertical Pump And Electric Float Switch.....	11,652.32	770.20
22 51 19 00-0022 EA 1,500 Gallon Surge Tank, With 2 HP Motor With 100 GPM Vertical Pump And Electric Float Switch.....	12,939.67	770.20
22 51 19 00-0023 EA 2,000 Gallon Surge Tank, With 2 HP Motor With 100 GPM Vertical Pump And Electric Float Switch.....	15,536.65	932.82
22 51 19 00-0024 EA 5,000 Gallon Surge Tank, With 2 HP Motor With 100 GPM Vertical Pump And Electric Float Switch.....	20,999.45	1,505.48
22 51 19 00-0025 Diatomite Type Filter System <small>(22 51 19)</small>		
22 51 19 00-0026 EA 35,000 Gallon Filter System, Diatomite.....	12,072.09	2,591.67
22 51 19 00-0027 EA 45,000 Gallon Filter System, Diatomite.....	14,413.18	3,110.00
22 51 19 00-0028 Silver Recovery System, X-Ray Film Processing <small>(22 51 19)</small>		
22 51 19 00-0029 EA 20 Gallon/Day Capacity, Silver Recovery System.....	1,518.96	348.23
22 51 19 00-0030 EA 40 Gallon/Day Capacity, Silver Recovery System.....	2,199.74	464.35
22 51 19 00-0031 Inline Water Filter <small>(22 51 19)</small> Note: 3/8" NPT threaded inlet and outlet, 125 PSI, includes one filter cartridge.		
22 51 19 00-0032 EA 2 GPM Water Filter, 100 Degree Temperature, 8" x 5" Diameter, Plastic Body.....	220.24	102.56
22 51 19 00-0033 EA 6 GPM Water Filter, 250 Degree Temperature, 12" x 5" Diameter, Stainless Steel Body.....	363.36	153.84
22 60 Gas and Vacuum Systems For Laboratory And Healthcare Facilities <small>(22)</small>		
22 63 Gas Systems For Laboratory And Healthcare Facilities <small>(22 60)</small>		
22 63 13 Gas Piping For Laboratory And Healthcare Facilities <small>(22 63)</small>		
22 63 13 53 Laboratory Gas Piping <small>(22 63 13)</small> See CSI section 23 21 13 23-0001 for black steel pipe, 23 21 13 23-2049 for PVC piping.		
22 66 Chemical-Waste Systems for Laboratory and Healthcare Facilities <small>(22 60)</small>		
22 66 53 Laboratory Chemical-Waste And Vent Piping <small>(22 66)</small>		
22 66 53 00-0001 Polypropylene Acid Resistant Drain-Waste-Vent (DWV) Pipe And Fittings <small>(22 66 53)</small>		
22 66 53 00-0002 Schedule 40 Polypropylene Acid Resistant DWV Pipe And Fuseal Fittings <small>(22 66 53 00-0001)</small>		
22 66 53 00-0003 Schedule 40 Polypropylene Acid Resistant DWV Pipe <small>(22 66 53 00-0002)</small>		
22 66 53 00-0004 LF 1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Pipe.....	12.40	5.85
For Schedule 80, Add	1.87	
For Fire Retardant Thermoplastic Pipe (Proxylene), Add	1.60	
For Work In Restricted Working Space, Add	2.64	
22 66 53 00-0005 LF 2" Schedule 40 Polypropylene Acid Resistant DWV Pipe.....	14.76	6.56
For Schedule 80, Add	2.52	
For Fire Retardant Thermoplastic Pipe (Proxylene), Add	2.16	
For Work In Restricted Working Space, Add	2.97	
22 66 53 00-0006 LF 3" Schedule 40 Polypropylene Acid Resistant DWV Pipe.....	23.11	9.54
For Schedule 80, Add	4.56	
For Fire Retardant Thermoplastic Pipe (Proxylene), Add	3.90	
For Work In Restricted Working Space, Add	4.31	
22 66 53 00-0007 LF 4" Schedule 40 Polypropylene Acid Resistant DWV Pipe.....	31.08	12.41
For Schedule 80, Add	6.46	
For Fire Retardant Thermoplastic Pipe (Proxylene), Add	5.53	
For Work In Restricted Working Space, Add	5.60	
22 66 53 00-0008 LF 6" Schedule 40 Polypropylene Acid Resistant DWV Pipe.....	49.76	18.26
For Schedule 80, Add	11.65	
For Fire Retardant Thermoplastic Pipe (Proxylene), Add	9.97	
For Work In Restricted Working Space, Add	8.21	
22 66 53 00-0009 Schedule 40 Polypropylene Acid Resistant DWV Fuseal 1/4 Bends <small>(22 66 53 00-0002)</small>		
22 66 53 00-0010 EA 1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal 1/4 Bend.....	47.54	22.05
For Work In Restricted Working Space, Add	9.92	
22 66 53 00-0011 EA 2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal 1/4 Bend.....	61.60	29.12
For Work In Restricted Working Space, Add	13.09	
22 66 53 00-0012 EA 3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal 1/4 Bend.....	80.52	33.34
For Work In Restricted Working Space, Add	15.01	
22 66 53 00-0013 EA 4" Schedule 40 Polypropylene Acid Resistant DWV Fuseal 1/4 Bend.....	114.71	44.10
For Work In Restricted Working Space, Add	19.85	
22 66 53 00-0014 EA 6" Schedule 40 Polypropylene Acid Resistant DWV Fuseal 1/4 Bend.....	216.97	65.12
For Work In Restricted Working Space, Add	29.30	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 66 53 00-0015 Schedule 40 Polypropylene Acid Resistant DWV Fuseal 1/8 Bends <small>(22 66 53 00-0002)</small>		
22 66 53 00-0016 EA 1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal 1/8 Bend.....	47.30	22.05
<i>For Work In Restricted Working Space, Add</i>	9.92	
22 66 53 00-0017 EA 2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal 1/8 Bend.....	60.95	29.12
<i>For Work In Restricted Working Space, Add</i>	13.09	
22 66 53 00-0018 EA 3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal 1/8 Bend.....	81.77	33.34
<i>For Work In Restricted Working Space, Add</i>	15.01	
22 66 53 00-0019 EA 4" Schedule 40 Polypropylene Acid Resistant DWV Fuseal 1/8 Bend.....	102.17	44.10
<i>For Work In Restricted Working Space, Add</i>	19.85	
22 66 53 00-0020 EA 6" Schedule 40 Polypropylene Acid Resistant DWV Fuseal 1/8 Bend.....	197.53	65.12
<i>For Work In Restricted Working Space, Add</i>	29.30	
22 66 53 00-0021 Schedule 40 Polypropylene Acid Resistant DWV Fuseal Sanitary Tees <small>(22 66 53 00-0002)</small>		
22 66 53 00-0022 EA 1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Sanitary Tee.....	88.69	47.18
<i>For Work In Restricted Working Space, Add</i>	21.22	
22 66 53 00-0023 EA 2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Sanitary Tee.....	110.70	59.48
<i>For Work In Restricted Working Space, Add</i>	26.75	
22 66 53 00-0024 EA 3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Sanitary Tee.....	140.72	65.12
<i>For Work In Restricted Working Space, Add</i>	29.30	
22 66 53 00-0025 EA 4" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Sanitary Tee.....	192.68	85.54
<i>For Work In Restricted Working Space, Add</i>	38.46	
22 66 53 00-0026 EA 6" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Sanitary Tee.....	333.34	136.82
<i>For Work In Restricted Working Space, Add</i>	61.54	
22 66 53 00-0027 Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Sanitary Tees <small>(22 66 53 00-0002)</small>		
22 66 53 00-0028 EA 2" x 2" x 1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Sanitary Tee	110.67	59.48
<i>For Work In Restricted Working Space, Add</i>	26.75	
22 66 53 00-0029 EA 3" x 3" x 2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Sanitary Tee.....	137.72	65.12
<i>For Work In Restricted Working Space, Add</i>	29.30	
22 66 53 00-0030 EA 3" x 3" x 1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Sanitary Tee	135.05	65.12
<i>For Work In Restricted Working Space, Add</i>	29.30	
22 66 53 00-0031 EA 4" x 4" x 2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Sanitary Tee.....	185.83	85.54
<i>For Work In Restricted Working Space, Add</i>	38.46	
22 66 53 00-0032 EA 4" x 4" x 3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Sanitary Tee.....	188.41	85.54
<i>For Work In Restricted Working Space, Add</i>	38.46	
22 66 53 00-0033 EA 6" x 6" x 4" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Sanitary Tee.....	314.26	136.82
<i>For Work In Restricted Working Space, Add</i>	61.54	
22 66 53 00-0034 Schedule 40 Polypropylene Acid Resistant DWV Fuseal Cleanout Tees With Plug <small>(22 66 53 00-0002)</small>		
22 66 53 00-0035 EA 1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Cleanout Tee With Plug	97.46	47.18
<i>For Work In Restricted Working Space, Add</i>	21.22	
22 66 53 00-0036 EA 2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Cleanout Tee With Plug	112.82	59.48
<i>For Work In Restricted Working Space, Add</i>	26.75	
22 66 53 00-0037 EA 3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Cleanout Tee With Plug	147.22	65.12
<i>For Work In Restricted Working Space, Add</i>	29.30	
22 66 53 00-0038 EA 4" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Cleanout Tee With Plug	195.67	85.54
<i>For Work In Restricted Working Space, Add</i>	38.46	
22 66 53 00-0039 EA 6" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Cleanout Tee With Plug	296.34	136.82
<i>For Work In Restricted Working Space, Add</i>	61.54	
22 66 53 00-0040 Schedule 40 Polypropylene Acid Resistant DWV Fuseal Wyes <small>(22 66 53 00-0002)</small>		
22 66 53 00-0041 EA 1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Wye.....	93.62	47.18
<i>For Work In Restricted Working Space, Add</i>	21.22	
22 66 53 00-0042 EA 2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Wye.....	115.26	59.48
<i>For Work In Restricted Working Space, Add</i>	26.75	
22 66 53 00-0043 EA 3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Wye.....	143.44	65.12
<i>For Work In Restricted Working Space, Add</i>	29.30	
22 66 53 00-0044 EA 4" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Wye.....	194.93	85.54
<i>For Work In Restricted Working Space, Add</i>	38.46	
22 66 53 00-0045 EA 6" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Wye.....	374.51	136.82
<i>For Work In Restricted Working Space, Add</i>	61.54	
22 66 53 00-0046 Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Wyes <small>(22 66 53 00-0002)</small>		
22 66 53 00-0047 EA 2" x 2" x 1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Wye.....	121.29	59.48
<i>For Work In Restricted Working Space, Add</i>	26.75	
22 66 53 00-0048 EA 3" x 3" x 1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Wye.....	140.35	65.12
<i>For Work In Restricted Working Space, Add</i>	29.30	
22 66 53 00-0049 EA 3" x 3" x 2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Wye.....	140.35	65.12
<i>For Work In Restricted Working Space, Add</i>	29.30	
22 66 53 00-0050 EA 4" x 4" x 2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Wye.....	192.26	85.54
<i>For Work In Restricted Working Space, Add</i>	38.46	
22 66 53 00-0051 EA 4" x 4" x 3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Wye.....	192.26	85.54
<i>For Work In Restricted Working Space, Add</i>	38.46	

22 Plumbing**22 60 Gas and Vacuum Systems For Laboratory And Healthcare Facilities****22 66 Chemical-Waste Systems for Laboratory and Healthcare Facilities**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 66 53 00-0052	EA		6" x 6" x 2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Wye <i>For Work In Restricted Working Space, Add</i>	339.05 61.54	136.82
22 66 53 00-0053	EA		6" x 6" x 3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Wye <i>For Work In Restricted Working Space, Add</i>	341.12 61.54	136.82
22 66 53 00-0054	EA		6" x 6" x 4" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Wye <i>For Work In Restricted Working Space, Add</i>	315.13 61.54	136.82
22 66 53 00-0055			Schedule 40 Polypropylene Acid Resistant DWV Fuseal Sanitary Crosses ^(22 66 53 00-0002)		
22 66 53 00-0056	EA		1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Sanitary Cross <i>For Work In Restricted Working Space, Add</i>	116.58 26.53	58.97
22 66 53 00-0057	EA		2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Sanitary Cross <i>For Work In Restricted Working Space, Add</i>	145.22 33.44	74.36
22 66 53 00-0058	EA		3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Sanitary Cross <i>For Work In Restricted Working Space, Add</i>	189.58 36.63	81.44
22 66 53 00-0059	EA		4" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Sanitary Cross <i>For Work In Restricted Working Space, Add</i>	261.32 48.08	106.87
22 66 53 00-0060	EA		6" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Sanitary Cross <i>For Work In Restricted Working Space, Add</i>	457.41 76.92	170.97
22 66 53 00-0061			Schedule 40 Polypropylene Acid Resistant DWV Fuseal Combination Wye And 1/8 Bends ^(22 66 53 00-0002)		
22 66 53 00-0062	EA		1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Combination Wye And 1/8 Bend <i>For Work In Restricted Working Space, Add</i>	87.09 21.22	47.18
22 66 53 00-0063	EA		2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Combination Wye And 1/8 Bend <i>For Work In Restricted Working Space, Add</i>	113.08 26.75	59.48
22 66 53 00-0064	EA		3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Combination Wye And 1/8 Bend <i>For Work In Restricted Working Space, Add</i>	128.25 29.30	65.12
22 66 53 00-0065	EA		4" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Combination Wye And 1/8 Bend <i>For Work In Restricted Working Space, Add</i>	175.77 38.46	85.54
22 66 53 00-0066	EA		2" x 2" x 1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Combination Wye And 1/8 Bend <i>For Work In Restricted Working Space, Add</i>	105.97 26.75	59.48
22 66 53 00-0067	EA		3" x 3" x 1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Combination Wye And 1/8 Bend <i>For Work In Restricted Working Space, Add</i>	125.39 29.30	65.12
22 66 53 00-0068	EA		3" x 3" x 2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Combination Wye And 1/8 Bend <i>For Work In Restricted Working Space, Add</i>	126.54 29.30	65.12
22 66 53 00-0069	EA		4" x 4" x 2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Combination Wye And 1/8 Bend <i>For Work In Restricted Working Space, Add</i>	171.51 38.46	85.54
22 66 53 00-0070	EA		4" x 4" x 3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Combination Wye And 1/8 Bend <i>For Work In Restricted Working Space, Add</i>	172.24 38.46	85.54
22 66 53 00-0071			Schedule 40 Polypropylene Acid Resistant DWV Fuseal P-Traps ^(22 66 53 00-0002)		
22 66 53 00-0072	EA		1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal P-Trap <i>For Work In Restricted Working Space, Add</i>	102.57 24.62	54.77
22 66 53 00-0073	EA		2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal P-Trap <i>For Work In Restricted Working Space, Add</i>	136.19 32.39	72.00
22 66 53 00-0074	EA		3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal P-Trap <i>For Work In Restricted Working Space, Add</i>	202.05 43.96	97.75
22 66 53 00-0075	EA		4" Schedule 40 Polypropylene Acid Resistant DWV Fuseal P-Trap <i>For Work In Restricted Working Space, Add</i>	279.78 55.94	124.41
22 66 53 00-0076			Schedule 40 Polypropylene Acid Resistant DWV Fuseal Hub Adapters ^(22 66 53 00-0002)		
22 66 53 00-0077	EA		1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Hub Adapter <i>For Work In Restricted Working Space, Add</i>	46.86 9.92	22.05
22 66 53 00-0078	EA		2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Hub Adapter <i>For Work In Restricted Working Space, Add</i>	58.00 13.09	29.12
22 66 53 00-0079	EA		3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Hub Adapter <i>For Work In Restricted Working Space, Add</i>	67.80 15.01	33.34
22 66 53 00-0080	EA		4" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Hub Adapter <i>For Work In Restricted Working Space, Add</i>	91.79 19.85	44.10
22 66 53 00-0081	EA		6" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Hub Adapter <i>For Work In Restricted Working Space, Add</i>	136.03 29.30	65.12
22 66 53 00-0082			Schedule 40 Polypropylene Acid Resistant DWV Fuseal Mechanical Joint Adapters ^(22 66 53 00-0002)		
22 66 53 00-0083	EA		1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Mechanical Joint Adapter <i>For Work In Restricted Working Space, Add</i>	45.13 9.92	22.05
22 66 53 00-0084	EA		2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Mechanical Joint Adapter <i>For Work In Restricted Working Space, Add</i>	59.31 13.09	29.12
22 66 53 00-0085	EA		3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Mechanical Joint Adapter <i>For Work In Restricted Working Space, Add</i>	70.20 15.01	33.34
22 66 53 00-0086	EA		4" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Mechanical Joint Adapter <i>For Work In Restricted Working Space, Add</i>	94.14 19.85	44.10
22 66 53 00-0087			Schedule 40 Polypropylene Acid Resistant DWV Fuseal Couplings ^(22 66 53 00-0002)		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 66 53 00-0088 EA 1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Coupling..... <i>For Work In Restricted Working Space, Add</i>	42.98 9.92	22.05
22 66 53 00-0089 EA 2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Coupling..... <i>For Work In Restricted Working Space, Add</i>	55.45 13.09	29.12
22 66 53 00-0090 EA 3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Coupling..... <i>For Work In Restricted Working Space, Add</i>	64.36 15.01	33.34
22 66 53 00-0091 EA 4" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Coupling..... <i>For Work In Restricted Working Space, Add</i>	85.12 19.85	44.10
22 66 53 00-0092 EA 6" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Coupling..... <i>For Work In Restricted Working Space, Add</i>	125.22 29.30	65.12
22 66 53 00-0093 Glass Acid Resistant Drain-Waste-Vent (DWV) Pipe And Fittings (22 66 53)		
22 66 53 00-0094 Glass Acid Resistant DWV Pipe (22 66 53 00-0093)		
22 66 53 00-0095 LF 1-1/2" Glass Acid Resistant DWV Pipe..... <i>For Work In Restricted Working Space, Add</i>	19.86 3.38	5.64
22 66 53 00-0096 LF 2" Glass Acid Resistant DWV Pipe..... <i>For Work In Restricted Working Space, Add</i>	23.99 3.69	6.15
22 66 53 00-0097 LF 3" Glass Acid Resistant DWV Pipe..... <i>For Work In Restricted Working Space, Add</i>	33.35 5.19	8.62
22 66 53 00-0098 LF 4" Glass Acid Resistant DWV Pipe..... <i>For Work In Restricted Working Space, Add</i>	51.57 6.72	11.18
22 66 53 00-0099 LF 6" Glass Acid Resistant DWV Pipe..... <i>For Work In Restricted Working Space, Add</i>	82.85 9.16	15.28
22 66 53 00-0100 Glass Acid Resistant DWV 90 Or 60 Degree Sweeps (22 66 53 00-0093)		
22 66 53 00-0101 EA 1-1/2" Glass Acid Resistant DWV 90 Or 60 Degree Sweep <i>For Work In Restricted Working Space, Add</i>	68.41 15.05	25.13
22 66 53 00-0102 EA 2" Glass Acid Resistant DWV 90 Or 60 Degree Sweep..... <i>For Work In Restricted Working Space, Add</i>	76.28 15.97	26.67
22 66 53 00-0103 EA 3" Glass Acid Resistant DWV 90 Or 60 Degree Sweep..... <i>For Work In Restricted Working Space, Add</i>	98.47 18.15	30.26
22 66 53 00-0104 EA 4" Glass Acid Resistant DWV 90 Or 60 Degree Sweep..... <i>For Work In Restricted Working Space, Add</i>	140.61 24.00	40.00
22 66 53 00-0105 EA 6" Glass Acid Resistant DWV 90 Or 60 Degree Sweep..... <i>For Work In Restricted Working Space, Add</i>	295.49 33.23	55.38
22 66 53 00-0106 Glass Acid Resistant DWV 45 Or 22-1/2 Degree Sweeps (22 66 53 00-0093)		
22 66 53 00-0107 EA 1-1/2" Glass Acid Resistant DWV 45 Or 22-1/2 Degree Sweep <i>For Work In Restricted Working Space, Add</i>	68.63 15.11	25.23
22 66 53 00-0108 EA 2" Glass Acid Resistant DWV 45 Or 22-1/2 Degree Sweep <i>For Work In Restricted Working Space, Add</i>	75.86 15.84	26.36
22 66 53 00-0109 EA 3" Glass Acid Resistant DWV 45 Or 22-1/2 Degree Sweep <i>For Work In Restricted Working Space, Add</i>	98.26 18.09	30.15
22 66 53 00-0110 EA 4" Glass Acid Resistant DWV 45 Or 22-1/2 Degree Sweep <i>For Work In Restricted Working Space, Add</i>	140.61 24.00	40.00
22 66 53 00-0111 EA 6" Glass Acid Resistant DWV 45 Or 22-1/2 Degree Sweep <i>For Work In Restricted Working Space, Add</i>	295.47 33.23	55.38
22 66 53 00-0112 Glass Acid Resistant DWV 90 Or 60 Degree Bends (22 66 53 00-0093)		
22 66 53 00-0113 EA 1-1/2" Glass Acid Resistant DWV 90 Or 60 Degree Bend..... <i>For Work In Restricted Working Space, Add</i>	69.13 15.11	25.23
22 66 53 00-0114 EA 2" Glass Acid Resistant DWV 90 Or 60 Degree Bend..... <i>For Work In Restricted Working Space, Add</i>	76.45 15.84	26.36
22 66 53 00-0115 EA 3" Glass Acid Resistant DWV 90 Or 60 Degree Bend..... <i>For Work In Restricted Working Space, Add</i>	99.31 18.09	30.15
22 66 53 00-0116 EA 4" Glass Acid Resistant DWV 90 Or 60 Degree Bend..... <i>For Work In Restricted Working Space, Add</i>	140.61 24.00	40.00
22 66 53 00-0117 Glass Acid Resistant DWV 45 Or 22-1/2 Degree Bends (22 66 53 00-0093)		
22 66 53 00-0118 EA 1-1/2" Glass Acid Resistant DWV 45 Or 22-1/2 Degree Bend..... <i>For Work In Restricted Working Space, Add</i>	69.13 15.11	25.23
22 66 53 00-0119 EA 2" Glass Acid Resistant DWV 45 Or 22-1/2 Degree Bend..... <i>For Work In Restricted Working Space, Add</i>	76.45 15.84	26.36
22 66 53 00-0120 EA 3" Glass Acid Resistant DWV 45 Or 22-1/2 Degree Bend..... <i>For Work In Restricted Working Space, Add</i>	99.31 18.09	30.15
22 66 53 00-0121 EA 4" Glass Acid Resistant DWV 45 Or 22-1/2 Degree Bend..... <i>For Work In Restricted Working Space, Add</i>	140.61 24.00	40.00
22 66 53 00-0122 Glass Acid Resistant DWV 90 Degree Bends With Long Leg (22 66 53 00-0093)		
22 66 53 00-0123 EA 1-1/2" Glass Acid Resistant DWV 90 Degree Bend With Long Leg..... <i>For Work In Restricted Working Space, Add</i>	76.24 15.11	25.23
22 66 53 00-0124 EA 2" Glass Acid Resistant DWV 90 Degree Bends With Long Leg <i>For Work In Restricted Working Space, Add</i>	86.68 15.84	26.36

22 Plumbing**22 60 Gas and Vacuum Systems For Laboratory And Healthcare Facilities****22 66 Chemical-Waste Systems for Laboratory and Healthcare Facilities**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 66 53 00-0125			Glass Acid Resistant DWV Double Quarter Bends (22 66 53 00-0093)		
22 66 53 00-0126	EA		1-1/2" Glass Acid Resistant DWV Double Quarter Bend .....108.17		37.74
			<i>For Work In Restricted Working Space, Add</i> .....22.67		
22 66 53 00-0127	EA		2" x 1-1/2" Glass Acid Resistant DWV Double Quarter Bend .....127.54		39.08
			<i>For Work In Restricted Working Space, Add</i> .....23.45		
22 66 53 00-0128	EA		2" Glass Acid Resistant DWV Double Quarter Bend .....122.04		39.59
			<i>For Work In Restricted Working Space, Add</i> .....23.77		
22 66 53 00-0129	EA		3" Glass Acid Resistant DWV Double Quarter Bend .....156.83		45.23
			<i>For Work In Restricted Working Space, Add</i> .....27.14		
22 66 53 00-0130	EA		4" Glass Acid Resistant DWV Double Quarter Bend .....244.04		60.00
			<i>For Work In Restricted Working Space, Add</i> .....35.99		
22 66 53 00-0131	EA		6" Glass Acid Resistant DWV Double Quarter Bend .....365.32		83.08
			<i>For Work In Restricted Working Space, Add</i> .....49.85		
22 66 53 00-0132			Glass Acid Resistant DWV Sanitary Tees (22 66 53 00-0093)		
22 66 53 00-0133	EA		1-1/2" Glass Acid Resistant DWV Sanitary Tee .....105.33		37.95
			<i>For Work In Restricted Working Space, Add</i> .....22.77		
22 66 53 00-0134	EA		2" Glass Acid Resistant DWV Sanitary Tee .....108.41		39.49
			<i>For Work In Restricted Working Space, Add</i> .....23.69		
22 66 53 00-0135	EA		3" Glass Acid Resistant DWV Sanitary Tee .....134.16		45.13
			<i>For Work In Restricted Working Space, Add</i> .....27.08		
22 66 53 00-0136	EA		4" Glass Acid Resistant DWV Sanitary Tee .....198.76		60.00
			<i>For Work In Restricted Working Space, Add</i> .....36.00		
22 66 53 00-0137	EA		6" Glass Acid Resistant DWV Sanitary Tee .....377.17		83.08
			<i>For Work In Restricted Working Space, Add</i> .....49.85		
22 66 53 00-0138			Glass Acid Resistant DWV Reducing Sanitary Tees (22 66 53 00-0093)		
22 66 53 00-0139	EA		2" x 1-1/2" Glass Acid Resistant DWV Reducing Sanitary Tee .....107.38		38.98
			<i>For Work In Restricted Working Space, Add</i> .....23.39		
22 66 53 00-0140	EA		3" x 1-1/2" Glass Acid Resistant DWV Reducing Sanitary Tee .....123.94		42.56
			<i>For Work In Restricted Working Space, Add</i> .....25.54		
22 66 53 00-0141	EA		3" x 2" Glass Acid Resistant DWV Reducing Sanitary Tee .....130.03		43.59
			<i>For Work In Restricted Working Space, Add</i> .....26.15		
22 66 53 00-0142	EA		4" x 1-1/2" Glass Acid Resistant DWV Reducing Sanitary Tee .....164.35		52.82
			<i>For Work In Restricted Working Space, Add</i> .....31.69		
22 66 53 00-0143	EA		4" x 2" Glass Acid Resistant DWV Reducing Sanitary Tee .....170.21		53.33
			<i>For Work In Restricted Working Space, Add</i> .....32.00		
22 66 53 00-0144	EA		4" x 3" Glass Acid Resistant DWV Reducing Sanitary Tee .....177.64		54.87
			<i>For Work In Restricted Working Space, Add</i> .....32.93		
22 66 53 00-0145	EA		6" x 2" Glass Acid Resistant DWV Reducing Sanitary Tee .....285.54		68.71
			<i>For Work In Restricted Working Space, Add</i> .....41.23		
22 66 53 00-0146	EA		6" x 3" Glass Acid Resistant DWV Reducing Sanitary Tee .....304.08		70.26
			<i>For Work In Restricted Working Space, Add</i> .....42.15		
22 66 53 00-0147	EA		6" x 4" Glass Acid Resistant DWV Reducing Sanitary Tee .....315.18		75.39
			<i>For Work In Restricted Working Space, Add</i> .....45.23		
22 66 53 00-0148			Glass Acid Resistant DWV Double Sanitary Tees (22 66 53 00-0093)		
22 66 53 00-0149	EA		1-1/2" Glass Acid Resistant DWV Double Sanitary Tee .....145.66		50.25
			<i>For Work In Restricted Working Space, Add</i> .....30.16		
22 66 53 00-0150	EA		2" Glass Acid Resistant DWV Double Sanitary Tee .....150.77		52.82
			<i>For Work In Restricted Working Space, Add</i> .....31.69		
22 66 53 00-0151	EA		3" Glass Acid Resistant DWV Double Sanitary Tee .....187.37		60.51
			<i>For Work In Restricted Working Space, Add</i> .....36.31		
22 66 53 00-0152	EA		4" Glass Acid Resistant DWV Double Sanitary Tee .....287.12		80.00
			<i>For Work In Restricted Working Space, Add</i> .....47.99		
22 66 53 00-0153	EA		6" Glass Acid Resistant DWV Double Sanitary Tee .....480.86		110.76
			<i>For Work In Restricted Working Space, Add</i> .....66.47		
22 66 53 00-0154			Glass Acid Resistant DWV Reducing Double Sanitary Tees (22 66 53 00-0093)		
22 66 53 00-0155	EA		2" x 1-1/2" Glass Acid Resistant DWV Reducing Double Sanitary Tee .....148.72		51.79
			<i>For Work In Restricted Working Space, Add</i> .....31.07		
22 66 53 00-0156	EA		3" x 1-1/2" Glass Acid Resistant DWV Reducing Double Sanitary Tee .....167.38		55.38
			<i>For Work In Restricted Working Space, Add</i> .....33.23		
22 66 53 00-0157	EA		3" x 2" Glass Acid Resistant DWV Reducing Double Sanitary Tee .....174.78		56.41
			<i>For Work In Restricted Working Space, Add</i> .....33.85		
22 66 53 00-0158	EA		4" x 1-1/2" Glass Acid Resistant DWV Reducing Double Sanitary Tee .....237.66		65.12
			<i>For Work In Restricted Working Space, Add</i> .....39.08		
22 66 53 00-0159	EA		4" x 2" Glass Acid Resistant DWV Reducing Double Sanitary Tee .....237.53		66.66
			<i>For Work In Restricted Working Space, Add</i> .....40.00		
22 66 53 00-0160	EA		4" x 3" Glass Acid Resistant DWV Reducing Double Sanitary Tee .....253.67		70.26
			<i>For Work In Restricted Working Space, Add</i> .....42.16		
22 66 53 00-0161	EA		6" x 2" Glass Acid Resistant DWV Reducing Double Sanitary Tee .....325.33		82.05
			<i>For Work In Restricted Working Space, Add</i> .....49.22		
22 66 53 00-0162	EA		6" x 3" Glass Acid Resistant DWV Reducing Double Sanitary Tee .....350.25		85.64
			<i>For Work In Restricted Working Space, Add</i> .....51.38		
22 66 53 00-0163	EA		6" x 4" Glass Acid Resistant DWV Reducing Double Sanitary Tee .....395.10		95.38
			<i>For Work In Restricted Working Space, Add</i> .....57.22		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 66 53 00-0164 Glass Acid Resistant DWV Tees (22 66 53 00-0093)		
22 66 53 00-0165 EA 1-1/2" Glass Acid Resistant DWV Tee.....	112.32	37.95
For Work In Restricted Working Space, Add	22.77	
22 66 53 00-0166 EA 2" Glass Acid Resistant DWV Tee.....	115.39	39.49
For Work In Restricted Working Space, Add	23.69	
22 66 53 00-0167 EA 3" Glass Acid Resistant DWV Tee.....	142.84	45.13
For Work In Restricted Working Space, Add	27.08	
22 66 53 00-0168 EA 4" Glass Acid Resistant DWV Tee.....	212.36	60.00
For Work In Restricted Working Space, Add	35.99	
22 66 53 00-0169 EA 6" Glass Acid Resistant DWV Tee.....	393.50	83.08
For Work In Restricted Working Space, Add	49.85	
22 66 53 00-0170 Glass Acid Resistant DWV Reducing Tees (22 66 53 00-0093)		
22 66 53 00-0171 EA 2" x 1-1/2" Glass Acid Resistant DWV Reducing Tee.....	114.35	38.98
For Work In Restricted Working Space, Add	23.38	
22 66 53 00-0172 EA 3" x 1-1/2" Glass Acid Resistant DWV Reducing Tee.....	131.22	42.56
For Work In Restricted Working Space, Add	25.54	
22 66 53 00-0173 EA 3" x 2" Glass Acid Resistant DWV Reducing Tee.....	134.32	43.59
For Work In Restricted Working Space, Add	26.15	
22 66 53 00-0174 EA 4" x 1-1/2" Glass Acid Resistant DWV Reducing Tee.....	165.96	52.82
For Work In Restricted Working Space, Add	31.70	
22 66 53 00-0175 EA 4" x 2" Glass Acid Resistant DWV Reducing Tee.....	169.46	53.33
For Work In Restricted Working Space, Add	32.00	
22 66 53 00-0176 EA 4" x 3" Glass Acid Resistant DWV Reducing Tee.....	194.01	54.87
For Work In Restricted Working Space, Add	32.93	
22 66 53 00-0177 EA 6" x 3" Glass Acid Resistant DWV Reducing Tee.....	334.00	70.26
For Work In Restricted Working Space, Add	42.15	
22 66 53 00-0178 EA 6" x 4" Glass Acid Resistant DWV Reducing Tee.....	350.17	75.39
For Work In Restricted Working Space, Add	45.22	
22 66 53 00-0179 Glass Acid Resistant DWV Test Tees With Cleanout (22 66 53 00-0093)		
22 66 53 00-0180 EA 1-1/2" Glass Acid Resistant DWV Test Tee With Cleanout.....	124.29	37.95
For Work In Restricted Working Space, Add	22.77	
22 66 53 00-0181 EA 2" Glass Acid Resistant DWV Test Tee With Cleanout.....	135.69	39.49
For Work In Restricted Working Space, Add	23.69	
22 66 53 00-0182 EA 3" Glass Acid Resistant DWV Test Tee With Cleanout.....	168.43	45.13
For Work In Restricted Working Space, Add	27.08	
22 66 53 00-0183 EA 4" Glass Acid Resistant DWV Test Tee With Cleanout.....	270.68	60.00
For Work In Restricted Working Space, Add	35.99	
22 66 53 00-0184 EA 6" Glass Acid Resistant DWV Test Tee With Cleanout.....	393.50	83.08
For Work In Restricted Working Space, Add	49.85	
22 66 53 00-0185 Glass Acid Resistant DWV Wyes (22 66 53 00-0093)		
22 66 53 00-0186 EA 1-1/2" Glass Acid Resistant DWV Wye.....	106.83	37.95
For Work In Restricted Working Space, Add	22.77	
22 66 53 00-0187 EA 2" Glass Acid Resistant DWV Wye.....	109.90	39.49
For Work In Restricted Working Space, Add	23.69	
22 66 53 00-0188 EA 3" Glass Acid Resistant DWV Wye.....	140.14	45.13
For Work In Restricted Working Space, Add	27.08	
22 66 53 00-0189 EA 4" Glass Acid Resistant DWV Wye.....	205.43	60.00
For Work In Restricted Working Space, Add	35.99	
22 66 53 00-0190 EA 6" Glass Acid Resistant DWV Wye.....	372.60	83.08
For Work In Restricted Working Space, Add	49.85	
22 66 53 00-0191 Glass Acid Resistant DWV Reducing Wyes (22 66 53 00-0093)		
22 66 53 00-0192 EA 2" x 1-1/2" Glass Acid Resistant DWV Reducing Wye.....	108.86	38.98
For Work In Restricted Working Space, Add	23.38	
22 66 53 00-0193 EA 3" x 1-1/2" Glass Acid Resistant DWV Reducing Wye.....	127.03	42.56
For Work In Restricted Working Space, Add	25.54	
22 66 53 00-0194 EA 3" x 2" Glass Acid Resistant DWV Reducing Wye.....	130.38	43.59
For Work In Restricted Working Space, Add	26.15	
22 66 53 00-0195 EA 4" x 1-1/2" Glass Acid Resistant DWV Reducing Wye.....	170.35	52.82
For Work In Restricted Working Space, Add	31.70	
22 66 53 00-0196 EA 4" x 2" Glass Acid Resistant DWV Reducing Wye.....	171.96	53.33
For Work In Restricted Working Space, Add	32.00	
22 66 53 00-0197 EA 4" x 3" Glass Acid Resistant DWV Reducing Wye.....	183.54	54.87
For Work In Restricted Working Space, Add	32.93	
22 66 53 00-0198 EA 6" x 2" Glass Acid Resistant DWV Reducing Wye.....	279.03	68.71
For Work In Restricted Working Space, Add	41.22	
22 66 53 00-0199 EA 6" x 3" Glass Acid Resistant DWV Reducing Wye.....	313.25	70.26
For Work In Restricted Working Space, Add	42.15	
22 66 53 00-0200 EA 6" x 4" Glass Acid Resistant DWV Reducing Wye.....	339.39	75.39
For Work In Restricted Working Space, Add	45.22	
22 66 53 00-0201 Glass Acid Resistant DWV Double Wyes (22 66 53 00-0093)		
22 66 53 00-0202 EA 1-1/2" Glass Acid Resistant DWV Double Wye.....	160.72	50.25
For Work In Restricted Working Space, Add	30.15	

22 Plumbing**22 60 Gas and Vacuum Systems For Laboratory And Healthcare Facilities****22 66 Chemical-Waste Systems for Laboratory and Healthcare Facilities**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 66 53 00-0203 EA 2" Glass Acid Resistant DWV Double Wye..... <i>For Work In Restricted Working Space, Add</i>	165.86 31.70	52.82
22 66 53 00-0204 EA 3" Glass Acid Resistant DWV Double Wye..... <i>For Work In Restricted Working Space, Add</i>	210.75 36.30	60.51
22 66 53 00-0205 EA 4" Glass Acid Resistant DWV Double Wye..... <i>For Work In Restricted Working Space, Add</i>	311.00 47.99	80.00
22 66 53 00-0206 EA 6" Glass Acid Resistant DWV Double Wye..... <i>For Work In Restricted Working Space, Add</i>	493.81 66.49	110.76
22 66 53 00-0207 Glass Acid Resistant DWV Reducing Double Wyes <small>(22 66 53 00-0093)</small>		
22 66 53 00-0208 EA 2" x 1-1/2" Glass Acid Resistant DWV Reducing Double Wye..... <i>For Work In Restricted Working Space, Add</i>	163.77 31.07	51.79
22 66 53 00-0209 EA 3" x 1-1/2" Glass Acid Resistant DWV Reducing Double Wye..... <i>For Work In Restricted Working Space, Add</i>	170.96 33.23	55.38
22 66 53 00-0210 EA 3" x 2" Glass Acid Resistant DWV Reducing Double Wye..... <i>For Work In Restricted Working Space, Add</i>	189.37 33.84	56.41
22 66 53 00-0211 EA 4" x 1-1/2" Glass Acid Resistant DWV Reducing Double Wye..... <i>For Work In Restricted Working Space, Add</i>	228.31 39.09	65.12
22 66 53 00-0212 EA 4" x 2" Glass Acid Resistant DWV Reducing Double Wye..... <i>For Work In Restricted Working Space, Add</i>	238.73 40.00	66.66
22 66 53 00-0213 EA 4" x 3" Glass Acid Resistant DWV Reducing Double Wye..... <i>For Work In Restricted Working Space, Add</i>	271.94 42.15	70.26
22 66 53 00-0214 EA 6" x 2" Glass Acid Resistant DWV Reducing Double Wye..... <i>For Work In Restricted Working Space, Add</i>	391.73 49.21	82.05
22 66 53 00-0215 EA 6" x 3" Glass Acid Resistant DWV Reducing Double Wye..... <i>For Work In Restricted Working Space, Add</i>	410.67 51.38	85.64
22 66 53 00-0216 EA 6" x 4" Glass Acid Resistant DWV Reducing Double Wye..... <i>For Work In Restricted Working Space, Add</i>	443.19 57.23	95.38
22 66 53 00-0217 Glass Acid Resistant DWV Combination Wye And 1/8 Bends <small>(22 66 53 00-0093)</small>		
22 66 53 00-0218 EA 1-1/2" Glass Acid Resistant DWV Combination Wye And 1/8 Bend <i>For Work In Restricted Working Space, Add</i>	114.73 22.77	37.95
22 66 53 00-0219 EA 2" Glass Acid Resistant DWV Combination Wye And 1/8 Bend <i>For Work In Restricted Working Space, Add</i>	118.13 23.69	39.49
22 66 53 00-0220 EA 3" Glass Acid Resistant DWV Combination Wye And 1/8 Bend <i>For Work In Restricted Working Space, Add</i>	145.03 27.08	45.13
22 66 53 00-0221 EA 4" Glass Acid Resistant DWV Combination Wye And 1/8 Bend <i>For Work In Restricted Working Space, Add</i>	207.98 35.99	60.00
22 66 53 00-0222 EA 6" Glass Acid Resistant DWV Combination Wye And 1/8 Bend <i>For Work In Restricted Working Space, Add</i>	365.47 49.85	83.08
22 66 53 00-0223 Glass Acid Resistant DWV Reducing Combination Wye And 1/8 Bends <small>(22 66 53 00-0093)</small>		
22 66 53 00-0224 EA 2" x 1-1/2" Glass Acid Resistant DWV Reducing Combination Wye And 1/8 Bend <i>For Work In Restricted Working Space, Add</i>	117.09 23.38	38.98
22 66 53 00-0225 EA 3" x 1-1/2" Glass Acid Resistant DWV Reducing Combination Wye And 1/8 Bend <i>For Work In Restricted Working Space, Add</i>	128.28 25.54	42.56
22 66 53 00-0226 EA 3" x 2" Glass Acid Resistant DWV Reducing Combination Wye And 1/8 Bend <i>For Work In Restricted Working Space, Add</i>	135.37 26.15	43.59
22 66 53 00-0227 EA 4" x 1-1/2" Glass Acid Resistant DWV Reducing Combination Wye And 1/8 Bend <i>For Work In Restricted Working Space, Add</i>	167.36 31.70	52.82
22 66 53 00-0228 EA 4" x 2" Glass Acid Resistant DWV Reducing Combination Wye And 1/8 Bend <i>For Work In Restricted Working Space, Add</i>	172.61 32.00	53.33
22 66 53 00-0229 EA 4" x 3" Glass Acid Resistant DWV Reducing Combination Wye And 1/8 Bend <i>For Work In Restricted Working Space, Add</i>	184.29 32.93	54.87
22 66 53 00-0230 EA 6" x 2" Glass Acid Resistant DWV Reducing Combination Wye And 1/8 Bend <i>For Work In Restricted Working Space, Add</i>	279.48 41.22	68.71
22 66 53 00-0231 EA 6" x 3" Glass Acid Resistant DWV Reducing Combination Wye And 1/8 Bend <i>For Work In Restricted Working Space, Add</i>	308.91 42.15	70.26
22 66 53 00-0232 EA 6" x 4" Glass Acid Resistant DWV Reducing Combination Wye And 1/8 Bend <i>For Work In Restricted Working Space, Add</i>	319.44 45.22	75.39
22 66 53 00-0233 Glass Acid Resistant DWV Double Combination Wye And 1/8 Bends <small>(22 66 53 00-0093)</small>		
22 66 53 00-0234 EA 1-1/2" Double Glass Combination Wye And 1/8 Bend <i>For Work In Restricted Working Space, Add</i>	153.24 30.15	50.25
22 66 53 00-0235 EA 2" Double Glass Combination Wye And 1/8 Bend <i>For Work In Restricted Working Space, Add</i>	172.15 31.70	52.82
22 66 53 00-0236 EA 3" Double Glass Combination Wye And 1/8 Bend <i>For Work In Restricted Working Space, Add</i>	220.23 36.30	60.51
22 66 53 00-0237 EA 4" Double Glass Combination Wye And 1/8 Bend <i>For Work In Restricted Working Space, Add</i>	333.05 47.99	80.00
22 66 53 00-0238 EA 6" Double Glass Combination Wye And 1/8 Bend <i>For Work In Restricted Working Space, Add</i>	529.00 66.49	110.76
22 66 53 00-0239 Glass Acid Resistant DWV Reducing Double Combination Wye And 1/8 Bends <small>(22 66 53 00-0093)</small>		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 66 53 00-0240 EA 2" x 1-1/2" Glass Acid Resistant DWV Reducing Double Combination Wye And 1/8 Bend..... <i>For Work In Restricted Working Space, Add</i>	157.43 31.07	51.79
22 66 53 00-0241 EA 3" x 1-1/2" Glass Acid Resistant DWV Reducing Double Combination Wye And 1/8 Bend..... <i>For Work In Restricted Working Space, Add</i>	188.62 33.23	55.38
22 66 53 00-0242 EA 3" x 2" Glass Acid Resistant DWV Reducing Double Combination Wye And 1/8 Bend..... <i>For Work In Restricted Working Space, Add</i>	187.78 33.84	56.41
22 66 53 00-0243 EA 4" x 1-1/2" Glass Acid Resistant DWV Reducing Double Combination Wye And 1/8 Bend..... <i>For Work In Restricted Working Space, Add</i>	240.58 39.09	65.12
22 66 53 00-0244 EA 4" x 2" Glass Acid Resistant DWV Reducing Double Combination Wye And 1/8 Bend..... <i>For Work In Restricted Working Space, Add</i>	240.68 40.00	66.66
22 66 53 00-0245 EA 4" x 3" Glass Acid Resistant DWV Reducing Double Combination Wye And 1/8 Bend..... <i>For Work In Restricted Working Space, Add</i>	265.01 42.15	70.26
22 66 53 00-0246 EA 6" x 2" Glass Acid Resistant DWV Reducing Double Combination Wye And 1/8 Bend..... <i>For Work In Restricted Working Space, Add</i>	359.59 49.21	82.05
22 66 53 00-0247 EA 6" x 3" Glass Acid Resistant DWV Reducing Double Combination Wye And 1/8 Bend..... <i>For Work In Restricted Working Space, Add</i>	381.24 51.38	85.64
22 66 53 00-0248 EA 6" x 4" Glass Acid Resistant DWV Reducing Double Combination Wye And 1/8 Bend..... <i>For Work In Restricted Working Space, Add</i>	439.70 57.23	95.38
22 66 53 00-0249 Glass Acid Resistant DWV Partition Crosses (Compact) (22 66 53 00-0093)		
22 66 53 00-0250 EA 2" x 1-1/2" Glass Acid Resistant DWV Partition Cross (Compact)..... <i>For Work In Restricted Working Space, Add</i>	167.41 31.07	51.79
22 66 53 00-0251 EA 2" Glass Acid Resistant DWV Partition Cross (Compact)..... <i>For Work In Restricted Working Space, Add</i>	169.50 31.70	52.82
22 66 53 00-0252 EA 2" x 1-1/2" x 1-1/2" x 1-1/2" Glass Acid Resistant DWV Partition Cross (Compact)..... <i>For Work In Restricted Working Space, Add</i>	175.69 30.77	51.28
22 66 53 00-0253 Glass Acid Resistant DWV Upright Y Or H (Vent Branch) (22 66 53 00-0093)		
22 66 53 00-0254 EA 1-1/2" Glass Acid Resistant DWV Reducing Upright Y Or H (Vent Branch)..... <i>For Work In Restricted Working Space, Add</i>	150.43 22.77	37.95
22 66 53 00-0255 EA 2" Glass Acid Resistant DWV Reducing Upright Y Or H (Vent Branch)..... <i>For Work In Restricted Working Space, Add</i>	163.22 23.69	39.49
22 66 53 00-0256 EA 3" Glass Acid Resistant DWV Reducing Upright Y Or H (Vent Branch)..... <i>For Work In Restricted Working Space, Add</i>	187.48 27.08	45.13
22 66 53 00-0257 EA 4" Glass Acid Resistant DWV Reducing Upright Y Or H (Vent Branch)..... <i>For Work In Restricted Working Space, Add</i>	268.33 35.99	60.00
22 66 53 00-0258 EA 6" Glass Acid Resistant DWV Reducing Upright Y Or H (Vent Branch)..... <i>For Work In Restricted Working Space, Add</i>	471.82 49.85	83.08
22 66 53 00-0259 Glass Acid Resistant DWV Reducing Upright Y Or H (Vent Branch) (22 66 53 00-0093)		
22 66 53 00-0260 EA 2" x 1-1/2" Reducing Glass Upright Y Or H (Vent Branch)..... <i>For Work In Restricted Working Space, Add</i>	152.16 23.38	38.98
22 66 53 00-0261 EA 3" x 1-1/2" Reducing Glass Upright Y Or H (Vent Branch)..... <i>For Work In Restricted Working Space, Add</i>	171.63 25.54	42.56
22 66 53 00-0262 EA 3" x 2" Reducing Glass Upright Y Or H (Vent Branch)..... <i>For Work In Restricted Working Space, Add</i>	180.91 26.15	43.59
22 66 53 00-0263 EA 4" x 1-1/2" Reducing Glass Upright Y Or H (Vent Branch)..... <i>For Work In Restricted Working Space, Add</i>	212.25 31.70	52.82
22 66 53 00-0264 EA 4" x 2" Reducing Glass Upright Y Or H (Vent Branch)..... <i>For Work In Restricted Working Space, Add</i>	221.89 32.00	53.33
22 66 53 00-0265 EA 4" x 3" Reducing Glass Upright Y Or H (Vent Branch)..... <i>For Work In Restricted Working Space, Add</i>	239.76 32.93	54.87
22 66 53 00-0266 EA 6" x 3" Reducing Glass Upright Y Or H (Vent Branch)..... <i>For Work In Restricted Working Space, Add</i>	336.05 42.15	70.26
22 66 53 00-0267 EA 6" x 4" Reducing Glass Upright Y Or H (Vent Branch)..... <i>For Work In Restricted Working Space, Add</i>	377.80 45.22	75.39
22 66 53 00-0268 Glass Acid Resistant DWV Reducers Or Increases (22 66 53 00-0093)		
22 66 53 00-0269 EA 2" x 1-1/2" Glass Acid Resistant DWV Reducer Or Increaser..... <i>For Eccentric Reducers Or Increases, Add</i> <i>For Work In Restricted Working Space, Add</i>	67.24 1.28 15.38	25.65
22 66 53 00-0270 EA 3" x 1-1/2" Glass Acid Resistant DWV Reducer Or Increaser..... <i>For Eccentric Reducers Or Increases, Add</i> <i>For Work In Restricted Working Space, Add</i>	79.08 1.90 16.61	27.70
22 66 53 00-0271 EA 3" x 2" Glass Acid Resistant DWV Reducer Or Increaser..... <i>For Eccentric Reducers Or Increases, Add</i> <i>For Work In Restricted Working Space, Add</i>	82.95 2.12 16.92	28.21
22 66 53 00-0272 EA 4" x 1-1/2" Glass Acid Resistant DWV Reducer Or Increaser..... <i>For Eccentric Reducers Or Increases, Add</i> <i>For Work In Restricted Working Space, Add</i>	102.70 2.96 19.69	32.82
22 66 53 00-0273 EA 4" x 2" Glass Acid Resistant DWV Reducer Or Increaser..... <i>For Eccentric Reducers Or Increases, Add</i> <i>For Work In Restricted Working Space, Add</i>	106.02 3.15 20.00	33.34
22 66 53 00-0274 EA 4" x 3" Glass Acid Resistant DWV Reducer Or Increaser..... <i>For Eccentric Reducers Or Increases, Add</i> <i>For Work In Restricted Working Space, Add</i>	112.29 3.40 20.92	34.87
22 66 53 00-0275 EA 6" x 1-1/2" Glass Acid Resistant DWV Reducer Or Increaser..... <i>For Eccentric Reducers Or Increases, Add</i> <i>For Work In Restricted Working Space, Add</i>	188.78 8.62 24.31	40.51

22 Plumbing**22 60 Gas and Vacuum Systems For Laboratory And Healthcare Facilities****22 66 Chemical-Waste Systems for Laboratory and Healthcare Facilities**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 66 53 00-0276 EA 6" x 2" Glass Acid Resistant DWV Reducer Or Increaser..... <i>For Eccentric Reducers Or Increasers, Add</i> <i>For Work In Restricted Working Space, Add</i>	196.63 9.17 24.62	41.03
22 66 53 00-0277 EA 6" x 3" Glass Acid Resistant DWV Reducer Or Increaser..... <i>For Eccentric Reducers Or Increasers, Add</i> <i>For Work In Restricted Working Space, Add</i>	207.55 9.79 25.54	42.56
22 66 53 00-0278 EA 6" x 4" Glass Acid Resistant DWV Reducer Or Increaser..... <i>For Eccentric Reducers Or Increasers, Add</i> <i>For Work In Restricted Working Space, Add</i>	221.34 10.08 28.61	47.69
22 66 53 00-0279 Glass Acid Resistant DWV Swivel P-Traps (22 66 53 00-0093)		
22 66 53 00-0280 EA 1-1/2" Glass Acid Resistant DWV Swivel P-Trap..... <i>For Work In Restricted Working Space, Add</i>	132.07 22.77	37.95
22 66 53 00-0281 EA 2" x 1-1/2" Glass Acid Resistant DWV Swivel P-Trap..... <i>For Work In Restricted Working Space, Add</i>	139.46 23.39	38.98
22 66 53 00-0282 EA 2" Glass Acid Resistant DWV Swivel P-Trap..... <i>For Work In Restricted Working Space, Add</i>	151.71 23.69	39.49
22 66 53 00-0283 EA 1-1/2" Glass Acid Resistant DWV Swivel P-Trap..... <i>For Work In Restricted Working Space, Add</i>	139.35 22.77	37.95
22 66 53 00-0284 EA 2" x 1-1/2" Glass Acid Resistant DWV Swivel P-Trap..... <i>For Work In Restricted Working Space, Add</i>	148.74 23.39	38.98
22 66 53 00-0285 EA 2" Glass Acid Resistant DWV Swivel P-Trap..... <i>For Work In Restricted Working Space, Add</i>	162.19 23.69	39.49
22 66 53 00-0286 EA 1-1/2" Glass Acid Resistant DWV Swivel P-Trap..... <i>For Work In Restricted Working Space, Add</i>	141.35 22.77	37.95
22 66 53 00-0287 EA 2" x 1-1/2" Glass Acid Resistant DWV Swivel P-Trap..... <i>For Work In Restricted Working Space, Add</i>	148.74 23.39	38.98
22 66 53 00-0288 EA 2" Glass Acid Resistant DWV Swivel P-Trap..... <i>For Work In Restricted Working Space, Add</i>	162.19 23.69	39.49
22 66 53 00-0289 Glass Acid Resistant DWV Drum P-Traps (22 66 53 00-0093)		
22 66 53 00-0290 EA 1-1/2" Glass Acid Resistant DWV Drum P-Trap..... <i>For Work In Restricted Working Space, Add</i>	164.00 22.77	37.95
22 66 53 00-0291 EA 2" x 1-1/2" Glass Acid Resistant DWV Drum P-Trap..... <i>For Work In Restricted Working Space, Add</i>	196.17 23.39	38.98
22 66 53 00-0292 EA 2" Glass Acid Resistant DWV Drum P-Trap..... <i>For Work In Restricted Working Space, Add</i>	201.20 23.69	39.49
22 66 53 00-0293 EA 1-1/2" Glass Acid Resistant DWV Drum P-Trap..... <i>For Work In Restricted Working Space, Add</i>	176.12 22.77	37.95
22 66 53 00-0294 EA 2" x 1-1/2" Glass Acid Resistant DWV Drum P-Trap..... <i>For Work In Restricted Working Space, Add</i>	185.25 23.39	38.98
22 66 53 00-0295 EA 2" Glass Acid Resistant DWV Drum P-Trap..... <i>For Work In Restricted Working Space, Add</i>	203.54 23.69	39.49
22 66 53 00-0296 Glass Acid Resistant DWV Cleanout Plugs (22 66 53 00-0093)		
22 66 53 00-0297 EA 1-1/2" Glass Acid Resistant DWV Cleanout Plug..... <i>For Work In Restricted Working Space, Add</i>	33.08 7.70	12.82
22 66 53 00-0298 EA 2" Glass Acid Resistant DWV Cleanout Plug..... <i>For Work In Restricted Working Space, Add</i>	36.05 8.00	13.33
22 66 53 00-0299 EA 3" Glass Acid Resistant DWV Cleanout Plug..... <i>For Work In Restricted Working Space, Add</i>	43.17 8.93	14.87
22 66 53 00-0300 EA 4" Glass Acid Resistant DWV Cleanout Plug..... <i>For Work In Restricted Working Space, Add</i>	64.14 12.00	20.00
22 66 53 00-0301 EA 6" Glass Acid Resistant DWV Cleanout Plug..... <i>For Work In Restricted Working Space, Add</i>	90.65 16.61	27.70
22 66 53 00-0302 Glass Acid Resistant DWV Sink Fittings (22 66 53 00-0093)		
22 66 53 00-0303 EA 1-1/2" Glass Acid Resistant DWV Interceptor Trap..... <i>For Work In Restricted Working Space, Add</i>	313.56 30.15	50.25
22 66 53 00-0304 EA 1-1/2" x 6-1/2" Long Glass Acid Resistant DWV Tailpiece Assembly..... <i>For Work In Restricted Working Space, Add</i>	39.47 7.70	12.82
22 66 53 00-0305 EA 1-1/2" x 10-1/2" Long Glass Acid Resistant DWV Tailpiece Assembly..... <i>For Work In Restricted Working Space, Add</i>	42.11 7.70	12.82
22 66 53 00-0306 EA 1-1/2" Split Coupling (Threaded To Beaded Pipe) For Glass Acid Resistant DWV Pipe And Fittings..... <i>For Work In Restricted Working Space, Add</i>	67.64 15.38	25.65
22 66 53 00-0307 EA 3" Diameter Hemispherical Glass Beaded Outlet For Glass Acid Resistant DWV Pipe And Fittings..... <i>For Work In Restricted Working Space, Add</i>	107.95 16.00	26.67
22 66 53 00-0308 EA 6" Diameter Hemispherical Glass Beaded Outlet For Glass Acid Resistant DWV Pipe And Fittings..... <i>For Work In Restricted Working Space, Add</i>	108.95 16.00	26.67
22 66 53 00-0309 EA 3" x 9" Oval Glass Beaded Outlet For Glass Acid Resistant DWV Pipe And Fittings..... <i>For Work In Restricted Working Space, Add</i>	118.93 16.00	26.67
22 66 53 00-0310 EA 3" x 6" Oval Glass Beaded Outlet For Glass Acid Resistant DWV Pipe And Fittings..... <i>For Work In Restricted Working Space, Add</i>	102.57 16.00	26.67
22 66 53 00-0311 Glass Acid Resistant DWV Pipe To High Silicon Cast Iron Pipe Mechanical Joint Adapters (22 66 53 00-0093) Note: Includes teflon spacer.		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 66 53 00-0312 EA 1-1/2" Glass Acid Resistant DWV Pipe To High Silicon Cast Iron Pipe Mechanical Joint Adapter..... <i>For Work In Restricted Working Space, Add</i>	112.69 22.70	37.85
22 66 53 00-0313 EA 2" Glass Acid Resistant DWV Pipe To High Silicon Cast Iron Pipe Mechanical Joint Adapter <i>For Work In Restricted Working Space, Add</i>	117.84 23.81	39.69
22 66 53 00-0314 EA 3" Glass Acid Resistant DWV Pipe To High Silicon Cast Iron Pipe Mechanical Joint Adapter <i>For Work In Restricted Working Space, Add</i>	151.84 27.14	45.23
22 66 53 00-0315 EA 4" Glass Acid Resistant DWV Pipe To High Silicon Cast Iron Pipe Mechanical Joint Adapter <i>For Work In Restricted Working Space, Add</i>	211.43 36.03	60.10
22 66 53 00-0316		
Bead To Bead Drainline Couplings For Glass Acid Resistant DWV Pipe And Fittings (22 66 53 00-0093) Note: Includes segmented stainless steel outer band, Buna-N rubber compression liner with TFE seal ring, stainless steel bolt and silver plated stainless hex nut.		
22 66 53 00-0317 EA 1-1/2" Bead To Bead Drainline Coupling For Glass Acid Resistant DWV Pipe And Fittings.....	12.52	
22 66 53 00-0318 EA 2" Bead To Bead Drainline Coupling For Glass Acid Resistant DWV Pipe And Fittings.....	15.80	
22 66 53 00-0319 EA 3" Bead To Bead Drainline Coupling For Glass Acid Resistant DWV Pipe And Fittings.....	21.12	
22 66 53 00-0320 EA 4" Bead To Bead Drainline Coupling For Glass Acid Resistant DWV Pipe And Fittings.....	35.58	
22 66 53 00-0321 EA 6" Bead To Bead, Stainless Steel, TFE Seal Ring Couplings, Glass Piping.....	82.89	
22 66 53 00-0322		
Bead To Plain End Drainline Couplings For Glass Acid Resistant DWV Pipe And Fittings (22 66 53 00-0093) Note: Includes stainless steel band with bolt, Buna-N rubber compression liner with TFE seal ring and silver plated stainless hex nut.		
22 66 53 00-0323 EA 1-1/2" Bead To Plain End Drainline Coupling For Glass Acid Resistant DWV Pipe And Fittings.....	16.15	
22 66 53 00-0324 EA 2" Bead To Plain End Drainline Coupling For Glass Acid Resistant DWV Pipe And Fittings.....	20.20	
22 66 53 00-0325 EA 3" Bead To Plain End Drainline Coupling For Glass Acid Resistant DWV Pipe And Fittings.....	34.30	
22 66 53 00-0326 EA 4" Bead To Plain End Drainline Coupling For Glass Acid Resistant DWV Pipe And Fittings.....	51.13	
22 66 53 00-0327 EA 6" Bead To Plain End Drainline Coupling For Glass Acid Resistant DWV Pipe And Fittings.....	124.67	
22 66 53 00-0328		
Bell And Spigot High Silicon Iron Alloy Acid Resistant Drain-Waste-Vent (DWV) Pipe And Fittings (22 66 53) Note: Acid resistant. ASTM A518.		
22 66 53 00-0329		
Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Pipe (22 66 53 00-0328)		
22 66 53 00-0330 LF 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Pipe.....	66.36	9.13
22 66 53 00-0331 LF 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Pipe.....	92.53	11.38
22 66 53 00-0332 LF 4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Pipe.....	124.50	13.13
22 66 53 00-0333 LF 6" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Pipe.....	201.59	17.86
22 66 53 00-0334 LF 8" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Pipe.....	351.47	23.96
22 66 53 00-0335 LF 10" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Pipe.....	614.59	30.22
22 66 53 00-0336 LF 12" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Pipe.....	1,088.41	40.70
22 66 53 00-0337 LF 15" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Pipe.....	1,923.81	46.67
22 66 53 00-0338		
Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Fittings (22 66 53 00-0328)		
22 66 53 00-0339		
Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Long Sweeps (22 66 53 00-0338)		
22 66 53 00-0340 EA 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Long Sweep.....	289.95	77.74
22 66 53 00-0341 EA 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Long Sweep.....	369.39	85.54
22 66 53 00-0342 EA 4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Long Sweep.....	578.10	102.36
22 66 53 00-0343 EA 6" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Long Sweep.....	836.61	117.95
22 66 53 00-0344 EA 8" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Long Sweep.....	1,877.90	192.55
22 66 53 00-0345		
Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/4 Bends (22 66 53 00-0338)		
22 66 53 00-0346 EA 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/4 Bend.....	188.30	77.74
22 66 53 00-0347 EA 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/4 Bend.....	235.85	85.54
22 66 53 00-0348 EA 4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/4 Bend.....	293.07	102.36
22 66 53 00-0349 EA 6" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/4 Bend.....	679.14	117.95
22 66 53 00-0350 EA 8" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/4 Bend.....	1,498.59	192.55
22 66 53 00-0351 EA 10" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/4 Bend.....	2,246.04	239.89
22 66 53 00-0352 EA 12" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/4 Bend.....	3,261.96	288.48
22 66 53 00-0353		
Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/8 Bends (22 66 53 00-0338)		
22 66 53 00-0354 EA 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/8 Bend.....	188.30	77.74
22 66 53 00-0355 EA 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/8 Bend.....	235.85	85.54
22 66 53 00-0356 EA 4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/8 Bend.....	293.07	102.36
22 66 53 00-0357 EA 6" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/8 Bend.....	515.69	117.95
22 66 53 00-0358 EA 8" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/8 Bend.....	1,287.30	192.55
22 66 53 00-0359 EA 10" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/8 Bend.....	1,857.65	239.89
22 66 53 00-0360 EA 12" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/8 Bend.....	2,604.49	288.48
22 66 53 00-0361		
Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/16 Bends (22 66 53 00-0338)		

22 Plumbing**22 60 Gas and Vacuum Systems For Laboratory And Healthcare Facilities****22 66 Chemical-Waste Systems for Laboratory and Healthcare Facilities**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 66 53 00-0362 EA 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/16 Bend.....	188.30	77.74
22 66 53 00-0363 EA 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/16 Bend.....	235.85	85.54
22 66 53 00-0364 EA 4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/16 Bend.....	292.82	102.26
22 66 53 00-0365 Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Short Sweeps <i>(22 66 53 00-0338)</i>		
22 66 53 00-0366 EA 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Short Sweep.....	240.12	77.74
22 66 53 00-0367 EA 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Short Sweep.....	393.31	85.54
22 66 53 00-0368 EA 4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Short Sweep.....	444.56	102.36
22 66 53 00-0369 Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Sanitary Tees <i>(22 66 53 00-0338)</i>		
22 66 53 00-0370 EA 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Sanitary Tee.....	270.11	116.30
22 66 53 00-0371 EA 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Sanitary Tee.....	328.84	128.92
22 66 53 00-0372 EA 4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Sanitary Tee.....	442.11	153.95
22 66 53 00-0373 EA 6" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Sanitary Tee.....	684.33	177.25
22 66 53 00-0374 EA 8" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Sanitary Tee.....	1,950.27	289.06
22 66 53 00-0375 EA 10" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Sanitary Tee.....	2,740.66	360.94
22 66 53 00-0376 Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Sanitary Tees <i>(22 66 53 00-0338)</i>		
22 66 53 00-0377 EA 2" x 1-1/2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Sanitary Tee.....	254.88	111.49
22 66 53 00-0378 EA 3" x 1-1/2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Sanitary Tee.....	291.10	119.69
22 66 53 00-0379 EA 3" x 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Sanitary Tee.....	319.30	123.89
22 66 53 00-0380 EA 4" x 1-1/2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Sanitary Tee.....	362.59	136.82
22 66 53 00-0381 EA 4" x 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Sanitary Tee.....	385.08	141.12
22 66 53 00-0382 EA 4" x 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Sanitary Tee.....	417.14	145.34
22 66 53 00-0383 EA 6" x 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Sanitary Tee.....	499.38	153.38
22 66 53 00-0384 EA 6" x 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Sanitary Tee.....	546.85	157.32
22 66 53 00-0385 EA 6" x 4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Sanitary Tee.....	605.52	164.56
22 66 53 00-0386 Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Tees <i>(22 66 53 00-0338)</i>		
22 66 53 00-0387 EA 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Tee.....	297.95	116.30
22 66 53 00-0388 EA 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Tee.....	352.25	128.62
22 66 53 00-0389 EA 4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Tee.....	467.99	153.95
22 66 53 00-0390 Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Tees <i>(22 66 53 00-0338)</i>		
22 66 53 00-0391 EA 2" x 1-1/2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Tee.....	282.76	111.49
22 66 53 00-0392 EA 3" x 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Tee.....	344.08	124.51
22 66 53 00-0393 EA 4" x 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Tee.....	409.59	141.54
22 66 53 00-0394 EA 4" x 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Tee.....	435.72	145.74
22 66 53 00-0395 Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Wyes <i>(22 66 53 00-0338)</i>		
22 66 53 00-0396 EA 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Wye.....	268.32	116.51
22 66 53 00-0397 EA 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Wye.....	350.77	128.92
22 66 53 00-0398 EA 4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Wye.....	441.93	153.84
22 66 53 00-0399 EA 6" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Wye.....	687.29	176.59
22 66 53 00-0400 EA 8" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Wye.....	2,400.30	288.77
22 66 53 00-0401 Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Wyes <i>(22 66 53 00-0338)</i>		
22 66 53 00-0402 EA 2" x 1-1/2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Wye.....	270.80	111.49
22 66 53 00-0403 EA 3" x 1-1/2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Wye.....	291.05	119.69
22 66 53 00-0404 EA 3" x 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Wye.....	306.43	124.62
22 66 53 00-0405 EA 4" x 1-1/2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Wye.....	340.66	136.82
22 66 53 00-0406 EA 4" x 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Wye.....	353.43	141.33
22 66 53 00-0407 EA 4" x 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Wye.....	409.81	145.74
22 66 53 00-0408 EA 6" x 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Wye.....	521.27	153.57
22 66 53 00-0409 EA 6" x 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Wye.....	604.65	157.32
22 66 53 00-0410 EA 6" x 4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Wye.....	631.43	164.56
22 66 53 00-0411 EA 8" x 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Wye.....	1,447.59	232.96
22 66 53 00-0412 EA 8" x 4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Wye.....	1,556.78	240.66
22 66 53 00-0413 EA 8" x 6" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Wye.....	1,880.13	252.98
22 66 53 00-0414 Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Combination Wye And 1/8 Bends <i>(22 66 53 00-0338)</i>		
22 66 53 00-0415 EA 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Combination Wye And 1/8 Bend.....	305.86	116.30
22 66 53 00-0416 EA 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Combination Wye And 1/8 Bend.....	358.23	128.62
22 66 53 00-0417 EA 4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Combination Wye And 1/8 Bend.....	507.85	153.95
22 66 53 00-0418 EA 6" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Combination Wye And 1/8 Bend.....	739.45	176.77



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 66 53 00-0419				Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bends <small>(22 66 53 00-0338)</small>		
				22 66 53 00-0420 EA 2" x 1-1/2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend.....	262.83	111.49
				22 66 53 00-0421 EA 3" x 1-1/2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend.....	299.03	119.69
				22 66 53 00-0422 EA 3" x 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend.....	326.14	124.51
				22 66 53 00-0423 EA 4" x 1-1/2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend.....	354.61	136.82
				22 66 53 00-0424 EA 4" x 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend.....	399.63	141.54
				22 66 53 00-0425 EA 4" x 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend.....	443.64	145.64
				22 66 53 00-0426 EA 6" x 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend.....	547.12	153.57
				22 66 53 00-0427 EA 6" x 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend.....	662.52	157.41
				22 66 53 00-0428 EA 6" x 4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend.....	721.52	164.84
22 66 53 00-0429				Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducers <small>(22 66 53 00-0338)</small>		
				22 66 53 00-0430 EA 2" x 1-1/2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducer.....	165.57	73.23
				22 66 53 00-0431 EA 3" x 1-1/2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducer.....	179.67	77.33
				22 66 53 00-0432 EA 3" x 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducer.....	197.79	81.44
				22 66 53 00-0433 EA 4" x 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducer.....	292.84	90.26
				22 66 53 00-0434 EA 4" x 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducer.....	306.99	94.46
				22 66 53 00-0435 EA 6" x 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducer.....	326.96	98.40
				22 66 53 00-0436 EA 6" x 4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducer.....	411.97	105.92
				22 66 53 00-0437 EA 8" x 4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducer.....	593.20	144.44
				22 66 53 00-0438 EA 8" x 6" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducer.....	633.49	156.65
22 66 53 00-0439				Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Sanitary Increases <small>(22 66 53 00-0338)</small>		
				22 66 53 00-0440 EA 2" x 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Sanitary Increaser.....	427.83	170.97
				22 66 53 00-0441 EA 2" x 4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Sanitary Increaser.....	531.48	170.97
				22 66 53 00-0442 EA 3" x 4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Sanitary Increaser.....	540.78	170.97
				22 66 53 00-0443 EA 4" x 6" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Sanitary Increaser.....	617.96	219.45
22 66 53 00-0444				Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV P-Traps <small>(22 66 53 00-0338)</small>		
				22 66 53 00-0445 EA 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV P-Trap.....	407.55	77.74
				22 66 53 00-0446 EA 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV P-Trap.....	487.00	85.54
				22 66 53 00-0447 EA 4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV P-Trap.....	592.06	102.36
				22 66 53 00-0448 EA 6" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV P-Trap.....	1,629.92	117.95
22 66 53 00-0449				Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Double Hubs <small>(22 66 53 00-0338)</small>		
				22 66 53 00-0450 EA 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Double Hub.....	226.17	77.74
				22 66 53 00-0451 EA 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Double Hub.....	277.70	85.54
				22 66 53 00-0452 EA 4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Double Hub.....	372.80	102.36
				22 66 53 00-0453 EA 6" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Double Hub.....	467.52	117.95
				22 66 53 00-0454 EA 8" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Double Hub.....	872.65	164.56
22 66 53 00-0455				Joint Material For Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Pipe And Fittings <small>(22 66 53 00-0328)</small>		
				Note: Labor costs for installation of lead and oakum are included in the installation costs for fittings.		
				22 66 53 00-0456 LB Lead (1 LB/Diameter Inch) Joint Material For Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Pipe And Fittings.....	1.55	
				22 66 53 00-0457 LB Seal-Tite Packing (1/8 LB/Diameter Inch) Joint Material For Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Pipe And Fittings.....	36.54	
22 66 53 00-0458				Mechanical Joint High Silicon Iron Alloy Acid Resistant Drain-Waste-Vent (DWV) Pipe And Fittings <small>(22 66 53)</small>		
				Note: ASTM A518.		
22 66 53 00-0459				Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe <small>(22 66 53 00-0458)</small>		
				22 66 53 00-0460 LF 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe.....	52.41	6.88
				22 66 53 00-0461 LF 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe.....	59.54	7.59
				22 66 53 00-0462 LF 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe.....	81.58	9.54
				22 66 53 00-0463 LF 4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe.....	102.26	11.08
22 66 53 00-0464				Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Fittings <small>(22 66 53 00-0458)</small>		
22 66 53 00-0465				Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Long Sweeps <small>(22 66 53 00-0464)</small>		
				22 66 53 00-0466 EA 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Long Sweep.....	211.24	54.46
				22 66 53 00-0467 EA 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Long Sweep.....	229.84	61.53
				22 66 53 00-0468 EA 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Long Sweep.....	305.06	67.90
				22 66 53 00-0469 EA 4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Long Sweep.....	368.25	82.05

22 Plumbing**22 60 Gas and Vacuum Systems For Laboratory And Healthcare Facilities****22 66 Chemical-Waste Systems for Laboratory and Healthcare Facilities**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 66 53 00-0470 Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/4 Bends <small>(22 66 53 00-0464)</small>		
22 66 53 00-0471 EA 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/4 Bend.....	133.50	54.46
22 66 53 00-0472 EA 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/4 Bend.....	157.13	60.92
22 66 53 00-0473 EA 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/4 Bend.....	195.78	68.10
22 66 53 00-0474 EA 4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/4 Bend.....	251.71	81.44
22 66 53 00-0475 EA 2" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/4 Bend.....	152.05	57.53
22 66 53 00-0476 Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/8 Bends <small>(22 66 53 00-0464)</small>		
22 66 53 00-0477 EA 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/8 Bend.....	133.50	54.46
22 66 53 00-0478 EA 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/8 Bend.....	157.13	60.92
22 66 53 00-0479 EA 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/8 Bend.....	195.78	68.10
22 66 53 00-0480 EA 4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/8 Bend.....	251.71	81.44
22 66 53 00-0481 Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/6 Bends <small>(22 66 53 00-0464)</small>		
22 66 53 00-0482 EA 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/6 Bend.....	151.44	54.46
22 66 53 00-0483 EA 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/6 Bend.....	185.03	60.92
22 66 53 00-0484 EA 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/6 Bend.....	269.53	68.10
22 66 53 00-0485 EA 4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/6 Bend.....	305.53	81.44
22 66 53 00-0486 Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/16 Bends <small>(22 66 53 00-0464)</small>		
22 66 53 00-0487 EA 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/16 Bend.....	147.46	54.46
22 66 53 00-0488 EA 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/16 Bend.....	173.07	60.92
22 66 53 00-0489 EA 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/16 Bend.....	251.59	68.10
22 66 53 00-0490 EA 4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/16 Bend.....	287.59	81.44
22 66 53 00-0491 Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Branch 1/4 Bends <small>(22 66 53 00-0464)</small>		
22 66 53 00-0492 EA 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Branch 1/4 Bend.....	222.53	81.95
22 66 53 00-0493 Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Straight Tees <small>(22 66 53 00-0464)</small>		
22 66 53 00-0494 EA 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Straight Tee.....	190.64	81.95
22 66 53 00-0495 EA 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Straight Tee.....	230.08	92.31
22 66 53 00-0496 EA 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Straight Tee.....	291.76	102.87
22 66 53 00-0497 EA 4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Straight Tee.....	421.81	123.18
22 66 53 00-0498 Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Reducing Tees <small>(22 66 53 00-0464)</small>		
22 66 53 00-0499 EA 2" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Reducing Tee.....	216.90	88.82
22 66 53 00-0500 EA 3" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Reducing Tee.....	257.19	95.79
22 66 53 00-0501 EA 3" x 2" Mechanical Joint High Silicon Iron Alloy Sanitary Reducing Tee.....	272.22	99.18
22 66 53 00-0502 EA 4" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Reducing Tee.....	293.57	109.44
22 66 53 00-0503 EA 4" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Reducing Tee.....	318.21	112.51
22 66 53 00-0504 EA 4" x 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Reducing Tee.....	341.27	115.89
22 66 53 00-0505 Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Wyes <small>(22 66 53 00-0464)</small>		
22 66 53 00-0506 EA 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Wye.....	191.04	82.25
22 66 53 00-0507 EA 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Wye.....	222.11	92.31
22 66 53 00-0508 EA 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Wye.....	283.79	102.87
22 66 53 00-0509 EA 4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Wye.....	421.81	123.18
22 66 53 00-0510 Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Wyes <small>(22 66 53 00-0464)</small>		
22 66 53 00-0511 EA 2" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Wye.....	211.61	89.33
22 66 53 00-0512 EA 3" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Wye.....	251.18	95.69
22 66 53 00-0513 EA 3" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Wye.....	262.71	99.48
22 66 53 00-0514 EA 4" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Wye.....	294.07	109.74
22 66 53 00-0515 EA 4" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Wye.....	319.13	113.13
22 66 53 00-0516 EA 4" x 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Wye.....	335.71	116.20
22 66 53 00-0517 Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Wyes <small>(22 66 53 00-0464)</small>		
22 66 53 00-0518 EA 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Wye.....	277.85	109.54
22 66 53 00-0519 EA 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Wye.....	344.21	123.28
22 66 53 00-0520 EA 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Wye.....	427.71	136.41
22 66 53 00-0521 EA 4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Wye.....	548.86	163.99
22 66 53 00-0522 EA 2" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Wye.....	303.53	116.00



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 66 53 00-0523 EA 3" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Wye	335.69	122.87
22 66 53 00-0524 EA 3" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Wye	389.77	129.64
22 66 53 00-0525 EA 4" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Wye	430.48	143.59
22 66 53 00-0526 EA 4" x 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Wye	505.19	150.86
22 66 53 00-0527 Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary		
Crosses (22 66 53 00-0464)		
22 66 53 00-0528 EA 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Cross	301.69	109.54
22 66 53 00-0529 EA 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Cross	351.95	123.08
22 66 53 00-0530 EA 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Cross	480.70	137.12
22 66 53 00-0531 EA 4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Cross	654.76	164.21
22 66 53 00-0532 EA 2" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Cross	323.40	116.00
22 66 53 00-0533 EA 3" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Cross	405.41	122.87
22 66 53 00-0534 EA 3" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Cross	427.57	129.64
22 66 53 00-0535 EA 4" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Cross	460.33	143.49
22 66 53 00-0536 EA 4" x 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Cross	566.19	150.25
22 66 53 00-0537 Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Combination		
Wye And 1/8 Bends (22 66 53 00-0464)		
22 66 53 00-0538 EA 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Combination Wye And 1/8 Bend.....	206.18	81.64
22 66 53 00-0539 EA 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Combination Wye And 1/8 Bend.....	238.05	92.31
22 66 53 00-0540 EA 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Combination Wye And 1/8 Bend.....	283.79	102.87
22 66 53 00-0541 EA 4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Combination Wye And 1/8 Bend.....	443.73	123.18
22 66 53 00-0542 Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing		
Combination Wye And 1/8 Bends (22 66 53 00-0464)		
22 66 53 00-0543 EA 2" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend.....	226.94	88.92
22 66 53 00-0544 EA 3" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend.....	251.58	96.00
22 66 53 00-0545 EA 3" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend.....	270.68	99.48
22 66 53 00-0546 EA 4" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend.....	351.88	109.74
22 66 53 00-0547 EA 4" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend.....	360.99	113.13
22 66 53 00-0548 EA 4" x 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend.....	397.50	116.20
22 66 53 00-0549 Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double		
Combination Wye And 1/8 Bends (22 66 53 00-0464)		
22 66 53 00-0550 EA 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Combination Wye And 1/8 Bend.....	315.42	109.34
22 66 53 00-0551 EA 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Combination Wye And 1/8 Bend.....	387.73	122.97
22 66 53 00-0552 EA 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Combination Wye And 1/8 Bend.....	533.79	136.72
22 66 53 00-0553 EA 4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Combination Wye And 1/8 Bend.....	641.32	164.51
22 66 53 00-0554 Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing		
Double Combination Wye And 1/8 Bends (22 66 53 00-0464)		
22 66 53 00-0555 EA 2" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Double Combination Wye And 1/8 Bend.....	341.34	116.00
22 66 53 00-0556 EA 3" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Double Combination Wye And 1/8 Bend.....	399.40	122.77
22 66 53 00-0557 EA 3" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Double Combination Wye And 1/8 Bend.....	417.60	129.64
22 66 53 00-0558 EA 4" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Double Combination Wye And 1/8 Bend.....	464.32	143.49
22 66 53 00-0559 EA 4" x 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Double Combination Wye And 1/8 Bend.....	566.19	150.25
22 66 53 00-0560 Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducers-		
Increases (22 66 53 00-0464)		
22 66 53 00-0561 EA 2" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducer-Increaser	152.92	58.16
22 66 53 00-0562 EA 3" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducer-Increaser	170.00	61.53
22 66 53 00-0563 EA 3" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducer-Increaser	199.33	71.80
22 66 53 00-0564 EA 4" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducer-Increaser	225.84	68.20
22 66 53 00-0565 EA 4" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducer-Increaser	238.92	71.59
22 66 53 00-0566 EA 4" x 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducer-Increaser	252.01	74.98
22 66 53 00-0567 Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Combination		
Cleanout And Test Tees (22 66 53 00-0464)		
22 66 53 00-0568 EA 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Combination Cleanout And Test Tee.....	137.57	47.89
22 66 53 00-0569 EA 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Combination Cleanout And Test Tee.....	158.94	54.16
22 66 53 00-0570 EA 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Combination Cleanout And Test Tee.....	185.57	61.33
22 66 53 00-0571 EA 4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Combination Cleanout And Test Tee.....	315.29	74.66

22 Plumbing**22 60 Gas and Vacuum Systems For Laboratory And Healthcare Facilities****22 66 Chemical-Waste Systems for Laboratory and Healthcare Facilities**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 66 53 00-0572 Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe Plugs (22 66 53 00-0464)		
22 66 53 00-0573 EA 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe Plug.....	64.77	27.28
22 66 53 00-0574 EA 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe Plug.....	75.57	30.46
22 66 53 00-0575 EA 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe Plug.....	82.94	34.05
22 66 53 00-0576 EA 4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe Plug.....	104.93	40.71
22 66 53 00-0577 Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV P-Traps (22 66 53 00-0464)		
22 66 53 00-0578 EA 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV P-Trap.....	230.69	54.16
22 66 53 00-0579 EA 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV P-Trap.....	240.84	60.92
22 66 53 00-0580 EA 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV P-Trap.....	293.45	68.10
22 66 53 00-0581 EA 4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV P-Trap.....	371.31	81.44
22 66 53 00-0582 EA 1-1/2" Mechanical Joint High Silicon Iron Alloy Running Acid Resistant DWV P-Trap.....	310.51	58.26
22 66 53 00-0583 EA 2" Mechanical Joint High Silicon Iron Alloy Running Acid Resistant DWV P-Trap.....	418.44	65.02
22 66 53 00-0584 EA 3" Mechanical Joint High Silicon Iron Alloy Running Acid Resistant DWV P-Trap.....	502.27	71.80
22 66 53 00-0585 EA 4" Mechanical Joint High Silicon Iron Alloy Running Acid Resistant DWV P-Trap.....	622.52	85.54
22 66 53 00-0586 Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Swivel Type Centrifugal Drum Traps (22 66 53 00-0464)		
22 66 53 00-0587 EA 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Swivel Type Centrifugal Drum P-Trap.....	405.62	61.85
22 66 53 00-0588 EA 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Swivel Type Centrifugal Drum P-Trap.....	622.81	68.41
22 66 53 00-0589 EA 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Swivel Type Centrifugal Drum S-Trap.....	421.20	61.53
22 66 53 00-0590 EA 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Swivel Type Centrifugal Drum S-Trap.....	622.81	68.41
22 66 53 00-0591 Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Swivel Type Traps (22 66 53 00-0464)		
22 66 53 00-0592 EA 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Swivel Type Short P-Trap.....	379.34	61.53
22 66 53 00-0593 EA 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Swivel Type Short P-Trap.....	443.42	68.41
22 66 53 00-0594 EA 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Swivel Type Long P-Trap.....	433.16	61.53
22 66 53 00-0595 EA 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Swivel Type Long P-Trap.....	911.83	68.41
22 66 53 00-0596 EA 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Swivel Type Long S-Trap.....	559.03	68.41
22 66 53 00-0597 Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Return Bends (22 66 53 00-0464)		
22 66 53 00-0598 EA 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Return Bend.....	175.73	54.77
22 66 53 00-0599 EA 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Return Bend.....	223.86	61.53
22 66 53 00-0600 Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Threaded Adapters (22 66 53 00-0464)		
22 66 53 00-0601 EA 1-1/2" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Threaded Adapter.....	97.41	41.03
22 66 53 00-0602 EA 1-1/2" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Threaded Adapter.....	160.34	44.51
22 66 53 00-0603 EA 2" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Threaded Adapter.....	128.75	51.28
22 66 53 00-0604 Mechanical Joint High Silicon Iron Alloy Acid Resistant Hub To Mechanical Joint Adapter (22 66 53 00-0464)		
22 66 53 00-0605 EA 1-1/2" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant Hub To Mechanical Joint Adapter.....	171.27	58.36
22 66 53 00-0606 EA 1-1/2" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant Hub To Mechanical Joint Adapter.....	185.94	61.53
22 66 53 00-0607 EA 1-1/2" x 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant Hub To Mechanical Joint Adapter.....	205.02	64.92
22 66 53 00-0608 EA 1-1/2" x 4" Mechanical Joint High Silicon Iron Alloy Acid Resistant Hub To Mechanical Joint Adapter.....	220.99	71.59
22 66 53 00-0609 EA 2" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant Hub To Mechanical Joint Adapter.....	205.07	65.02
22 66 53 00-0610 EA 2" x 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant Hub To Mechanical Joint Adapter.....	216.13	68.41
22 66 53 00-0611 EA 2" x 4" Mechanical Joint High Silicon Iron Alloy Acid Resistant Hub To Mechanical Joint Adapter.....	234.07	74.98
22 66 53 00-0612 EA 3" x 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant Hub To Mechanical Joint Adapter.....	257.18	71.80
22 66 53 00-0613 EA 4" x 4" Mechanical Joint High Silicon Iron Alloy Hub To Mechanical Joint Adapter.....	315.58	85.54
22 66 53 00-0614 Mechanical Joint Couplings For Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe And Fittings (22 66 53 00-0464)		
22 66 53 00-0615 EA 1-1/2" Mechanical Joint Couplings For Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe And Fitting.....	47.84	
22 66 53 00-0616 EA 2" Mechanical Joint Couplings For Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe And Fitting.....	55.81	
22 66 53 00-0617 EA 3" Mechanical Joint Couplings For Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe And Fitting.....	59.80	
22 66 53 00-0618 EA 4" Mechanical Joint Couplings For Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe And Fitting.....	65.78	
22 66 53 00-0619 Mechanical Joint High Silicon Iron Alloy Acid Resistant Sink Fittings (22 66 53 00-0464)		
22 66 53 00-0620 EA Mechanical Joint High Silicon Iron Alloy Acid Resistant Sink Outlet.....	369.92	27.38
22 66 53 00-0621 EA Mechanical Joint High Silicon Iron Alloy Acid Resistant Stopper.....	142.10	13.64
22 66 53 00-0622 EA Mechanical Joint High Silicon Iron Alloy Acid Resistant Sink Overflow.....	257.71	13.64



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 66 53 00-0623 Mechanical Joint High Silicon Iron Alloy Acid Resistant Floor Drains With Stainless Steel Strainer Plates <small>(22 66 53 00-0464)</small>		
22 66 53 00-0624 EA Mechanical Joint High Silicon Iron Alloy Acid Resistant Floor Drain With Stainless Steel Strainer.....	1,349.25	136.82
22 66 53 00-0625 EA Mechanical Joint High Silicon Iron Alloy Acid Resistant Sediment Basin Floor Drain With Stainless Steel Strainer.....	1,650.51	143.69
22 66 53 00-0626 EA Stainless Steel Funnel Attachment For Mechanical Joint High Silicon Iron Alloy Acid Resistant Floor Drain.....	1,060.98	13.64
22 66 83 Chemical-Waste Tanks <small>(22 66)</small>		
22 66 83 16 Chemical-Waste Neutralization Tanks <small>(22 66 83)</small>		
22 66 83 16-0001 Acid Neutralization Tank <small>(22 66 83 16)</small>		
22 66 83 16-0002 Polyethylene Acid Neutralization Tank <small>(22 66 83 16-0001)</small>		
22 66 83 16-0003 EA 5 Gallon Capacity Polyethylene Acid Neutralization Tank	415.76	208.94
22 66 83 16-0004 EA 15 Gallon Capacity Polyethylene Acid Neutralization Tank	704.38	289.73
22 66 83 16-0005 EA 30 Gallon Capacity Polyethylene Acid Neutralization Tank	906.97	417.88
22 66 83 16-0006 EA 55 Gallon Capacity Polyethylene Acid Neutralization Tank	1,175.42	557.16
22 66 83 16-0007 EA 100 Gallon Capacity Polyethylene Acid Neutralization Tank	1,483.62	668.60
22 66 83 16-0008 EA 150 Gallon Capacity Polyethylene Acid Neutralization Tank	1,984.27	835.75
22 66 83 16-0009 EA 200 Gallon Capacity Polyethylene Acid Neutralization Tank	2,336.02	1,044.68
22 66 83 16-0010 EA 275 Gallon Capacity Polyethylene Acid Neutralization Tank	2,974.69	1,253.62
22 66 83 16-0011 EA 350 Gallon Capacity Polyethylene Acid Neutralization Tank	3,423.30	1,504.34
22 66 83 16-0012 Polypropylene Acid Neutralization Tank <small>(22 66 83 16-0001)</small>		
22 66 83 16-0013 EA 5 Gallon Capacity Polypropylene Acid Neutralization Tank	607.81	208.94
22 66 83 16-0014 EA 15 Gallon Capacity Polypropylene Acid Neutralization Tank	1,008.46	289.73
22 66 83 16-0015 EA 30 Gallon Capacity Polypropylene Acid Neutralization Tank	1,586.13	417.88
22 66 83 16-0016 EA 55 Gallon Capacity Polypropylene Acid Neutralization Tank	2,093.31	557.16
22 66 83 16-0017 EA 100 Gallon Capacity Polypropylene Acid Neutralization Tank	2,628.92	668.60
22 66 83 16-0018 EA 150 Gallon Capacity Polypropylene Acid Neutralization Tank	3,019.96	835.75
22 66 83 16-0019 EA 200 Gallon Capacity Polypropylene Acid Neutralization Tank	3,367.14	1,044.68
22 66 83 16-0020 EA 275 Gallon Capacity Polypropylene Acid Neutralization Tank	4,775.15	1,253.62
22 66 83 16-0021 EA 350 Gallon Capacity Polypropylene Acid Neutralization Tank	5,247.77	1,504.34
22 66 83 16-0022 Chemical Dilution Trap <small>(22 66 83 16)</small>		
22 66 83 16-0023 EA 1 Gallon Capacity Polyethylene Under Bench Chemical Dilution Trap..... Note: 1-1/2" top inlet and side outlet with anti siphon.	325.59	69.64
22 66 83 16-0024 EA 1-1/2 Gallon Capacity Polyethylene Under Bench Chemical Dilution Trap..... Note: 1-1/2" top inlet and side outlet with anti siphon.	334.07	69.64
22 66 83 16-0025 EA 2 Gallon Capacity Polyethylene Under Bench Chemical Dilution Trap..... Note: 1-1/2" top inlet and side outlet with anti siphon.	342.55	69.64
22 66 83 16-0026 EA 5 Gallon Capacity Polyethylene Under Bench Chemical Dilution Trap..... Note: 1-1/2" top inlet and side outlet with anti siphon.	381.63	83.57

END OF SECTION 22

22 Plumbing

22 60 Gas and Vacuum Systems For Laboratory And Healthcare Facilities

22 66 Chemical-Waste Systems for Laboratory and Healthcare Facilities



MINOR			
CSI	UOM	DESCRIPTION	

TOTAL DIRECT	DEMOLITION
UNIT COST	UNIT COST

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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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23 Heating, Ventilating, And Air-Conditioning (HVAC)

Note: Where required, mechanical equipment excludes electrical connection unless title states otherwise. HVAC equipment shall conform to California Title 24.

23 01 Operation and Maintenance of HVAC Systems ⁽²³⁾

23 01 10 Operation and Maintenance of Facility Fuel Systems ^(23 01)

23 01 10 91 Facility Fuel Systems Restoration ^(23 01 10)

23 01 10 91-0001 Purge Gas Systems ^(23 01 10 91)

Note: Includes collection and refilling/bleeding of system. For natural gas, flammable gases and other gases that should not be released inside the building. See CSI section 23 01 60 71-0001 for refrigerant.

23 01 10 91-0002	EA	Up To 100', Up To 1-1/2" Diameter Pipe, Purge Gas Systems.....	514.38
23 01 10 91-0003	EA	>100' To 250', Up To 1-1/2" Diameter Pipe, Purge Gas Systems.....	734.41
23 01 10 91-0004	EA	>250' To 500', Up To 1-1/2" Diameter Pipe, Purge Gas Systems.....	770.15
23 01 10 91-0005	EA	>500' To 1,000', Up To 1-1/2" Diameter Pipe, Purge Gas Systems.....	848.10
23 01 10 91-0006	EA	>1,000' To 2,000', Up To 1-1/2" Diameter Pipe, Purge Gas Systems.....	1,535.46
23 01 10 91-0007	EA	Up To 100', >1-1/2" To 4" Diameter Pipe, Purge Gas Systems.....	689.77
23 01 10 91-0008	EA	>100' To 250', >1-1/2" To 4" Diameter Pipe, Purge Gas Systems.....	988.89
23 01 10 91-0009	EA	>250' To 500', >1-1/2" To 4" Diameter Pipe, Purge Gas Systems.....	1,041.39
23 01 10 91-0010	EA	>500' To 1,000', >1-1/2" To 4" Diameter Pipe, Purge Gas Systems.....	1,155.75
23 01 10 91-0011	EA	>1,000' To 2,000', >1-1/2" To 4" Diameter Pipe, Purge Gas Systems.....	2,097.22
23 01 10 91-0012	EA	Up To 100', >4" To 10" Diameter Pipe, Purge Gas Systems.....	806.22
23 01 10 91-0013	EA	>100' To 250', >4" To 10" Diameter Pipe, Purge Gas Systems.....	1,173.04
23 01 10 91-0014	EA	>250' To 500', >4" To 10" Diameter Pipe, Purge Gas Systems.....	2,588.71
23 01 10 91-0015	EA	>500' To 1,000', >4" To 10" Diameter Pipe, Purge Gas Systems.....	4,018.03
23 01 10 91-0016	EA	>1,000' To 2,000', >4" To 10" Diameter Pipe, Purge Gas Systems.....	7,537.02

23 01 20 Operation and Maintenance of HVAC Piping and Pumps ^(23 01)

23 01 20 91 HVAC Piping And Pumps Restoration ^(23 01 20)

23 01 20 91-0001 Lock Out/Tag Out System ^(23 01 20 91)

23 01 20 91-0002	EA	Up To 1", Lock Out/Tag Out Valve.....	27.86
23 01 20 91-0003	EA	>1" To 3", Lock Out/Tag Out Valve.....	33.43
23 01 20 91-0004	EA	>3" To 6", Lock Out/Tag Out Valve.....	39.00
23 01 20 91-0005	EA	>6" To 10", Lock Out/Tag Out Valve.....	44.57
23 01 20 91-0006	EA	>10" To 14", Lock Out/Tag Out Valve.....	55.71
23 01 20 91-0007	EA	Lock Out/Tag Out Padlock System.....	22.29
23 01 20 91-0008	EA	Lock Out/Tag Out Tag.....	3.32

23 01 20 91-0009 Freeze Pipe Using CO2 Kit ^(23 01 20 91)

Note: For use on chilled water or cold water piping systems. Excludes cutting existing pipe, and installation of valve or fittings.

23 01 20 91-0010	EA	Up To 2" Freeze Pipe Using CO2 Kit.....	135.59
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23 01 20 91-0011 Freeze Pipe Using Nitrogen ^(23 01 20 91)

Note: For use on any water piping systems. Excludes cutting existing pipe, and installation of valve or fittings.

23 01 20 91-0012	EA	Up To 4" Pipe Freezing Using Nitrogen.....	1,300.98
23 01 20 91-0013	EA	>4" To 12" Pipe Freezing Using Nitrogen.....	2,601.96

Note: For each location. Includes freezing on each side of valve or fitting.

23 01 20 91-0014 Water/Chlorine Pipe Disinfection/Flush/Testing ^(23 01 20 91)

Note: For existing piping when required. Water/chlorine solution per specification entitled "Water Distribution".

23 01 20 91-0015	LF	Up To 1", Water/Chlorine Pipe Disinfection/Flush/Testing.....	1.81
23 01 20 91-0016	LF	>1" To 2", Water/Chlorine Pipe Disinfection/Flush/Testing.....	2.47
23 01 20 91-0017	LF	>2" To 3", Water/Chlorine Pipe Disinfection/Flush/Testing.....	3.78
23 01 20 91-0018	LF	4", Water/Chlorine Pipe Disinfection/Flush/Testing.....	5.15
23 01 20 91-0019	LF	6", Water/Chlorine Pipe Disinfection/Flush/Testing.....	6.30
23 01 20 91-0020	LF	8", Water/Chlorine Pipe Disinfection/Flush/Testing.....	7.94
23 01 20 91-0021	LF	10", Water/Chlorine Pipe Disinfection/Flush/Testing.....	10.50
23 01 20 91-0022	LF	12", Water/Chlorine Pipe Disinfection/Flush/Testing.....	12.60

23 01 20 91-0023 Shut Down Existing Piping System ^(23 01 20 91)

23 01 20 91-0024	EA	Shut Down Existing Interior Piping System.....	220.09
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Note: Includes lock out/tag out and average line tracing. Use when valves are greater than 25' from work. When the shut-off valves for multiple lines are located with a 10' radius, the quantity used shall be one.

23 01 20 91-0025 Purge Liquid Systems ^(23 01 20 91)

Note: Includes collection and refilling/bleeding of system.

23 01 20 91-0026	EA	Up To 100', Up To 1-1/2" Diameter Pipe, Purge Liquid System.....	366.76
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23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 01 Operation and Maintenance of HVAC Systems****23 01 20 Operation and Maintenance of HVAC Piping and Pumps**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 01 20 91-0027 EA >100 To 250', Up To 1-1/2" Diameter Pipe, Purge Liquid System	523.81	
23 01 20 91-0028 EA >250 To 500', Up To 1-1/2" Diameter Pipe, Purge Liquid System	627.62	
23 01 20 91-0029 EA >500 To 1,000', Up To 1-1/2" Diameter Pipe, Purge Liquid System	663.49	
23 01 20 91-0030 EA >1,000 To 2,000', Up To 1-1/2" Diameter Pipe, Purge Liquid System	1,266.65	
23 01 20 91-0031 EA Up To 100', >1-1/2" To 4" Diameter Pipe, Purge Liquid System	488.20	
23 01 20 91-0032 EA >100 To 250', 1-1/2" To 4" Diameter Pipe, Purge Liquid System	696.66	
23 01 20 91-0033 EA >250 To 500', 1-1/2" To 4" Diameter Pipe, Purge Liquid System	829.36	
23 01 20 91-0034 EA >500 To 1,000', 1-1/2" To 4" Diameter Pipe, Purge Liquid System	881.84	
23 01 20 91-0035 EA >1,000 To 2,000', 1-1/2" To 4" Diameter Pipe, Purge Liquid System	1,699.17	
23 01 20 91-0036 EA Up To 100', >4" To 10" Diameter Pipe, Purge Liquid System	601.87	
23 01 20 91-0037 EA >100 To 250', >4" To 10" Diameter Pipe, Purge Liquid System	860.07	
23 01 20 91-0038 EA >250 To 500', >4" To 10" Diameter Pipe, Purge Liquid System	2,253.67	
23 01 20 91-0039 EA >1,000 To 2,000', >4" To 10" Diameter Pipe, Purge Liquid System	3,576.48	
23 01 20 91-0040 Special Cleaning Of Piping Systems (23 01 20 91)		
23 01 20 91-0041 Trisodium Phosphate-Caustic Pipe Disinfection/Flush/Testing (23 01 20 91-0040)		
23 01 20 91-0042 LF Up To 1", Trisodium Phosphate-Caustic Pipe Disinfection/Flush/Testing	2.22	
23 01 20 91-0043 LF >1" To 2", Trisodium Phosphate-Caustic Pipe Disinfection/Flush/Testing	3.66	
23 01 20 91-0044 LF >2" To 3", Trisodium Phosphate-Caustic Pipe Disinfection/Flush/Testing	5.10	
23 01 20 91-0045 LF >3" To 4", Trisodium Phosphate-Caustic Pipe Disinfection/Flush/Testing	6.60	
23 01 20 91-0046 LF >4" To 6", Trisodium Phosphate-Caustic Pipe Disinfection/Flush/Testing	9.17	
23 01 20 91-0047 Acrysol Qr-1086 and Dequest 2010 Pipe Disinfection/Flush/Testing (23 01 20 91-0040)		
23 01 20 91-0048 LF Up To 1", Acrysol Qr-1086 and Dequest 2010 Pipe Disinfection/Flush/Testing	2.34	
23 01 20 91-0049 LF >1" To 2", Acrysol Qr-1086 and Dequest 2010 Pipe Disinfection/Flush/Testing	3.81	
23 01 20 91-0050 LF >2" To 3", Acrysol Qr-1086 and Dequest 2010 Pipe Disinfection/Flush/Testing	5.31	
23 01 20 91-0051 LF >3" To 4", Acrysol Qr-1086 and Dequest 2010 Pipe Disinfection/Flush/Testing	6.91	
23 01 20 91-0052 LF >4" To 6", Acrysol Qr-1086 and Dequest 2010 Pipe Disinfection/Flush/Testing	9.59	
23 01 20 91-0053 Drewspense 4945/4395 Pipe Disinfection/Flush/Testing (23 01 20 91-0040)		
23 01 20 91-0054 LF Up To 1", Drewspense 4945/4395 Pipe Disinfection/Flush/Testing	2.37	
23 01 20 91-0055 LF >1" To 2", Drewspense 4945/4395 Pipe Disinfection/Flush/Testing	3.87	
23 01 20 91-0056 LF >2" To 3", Drewspense 4945/4395 Pipe Disinfection/Flush/Testing	5.40	
23 01 20 91-0057 LF >3" To 4", Drewspense 4945/4395 Pipe Disinfection/Flush/Testing	7.04	
23 01 20 91-0058 LF >4" To 6", Drewspense 4945/4395 Pipe Disinfection/Flush/Testing	9.75	
23 01 20 91-0059 Add-A-Valve Emergency Shut Off Device (23 01 20 91)		
23 01 20 91-0060 EA 1/2" Add-A-Valve Emergency Shut Off Device (Jomar 800-103ADD)	219.91	
23 01 20 91-0061 EA 3/4" Add-A-Valve Emergency Shut Off Device (Jomar 800-104ADD)	275.61	
23 01 20 91-0062 EA 1" Add-A-Valve Emergency Shut Off Device (Jomar 800-105ADD)	376.23	
23 01 20 91-0063 EA 1-1/4" Add-A-Valve Emergency Shut Off Device (Jomar 800-106ADD)	563.88	
23 01 20 91-0064 EA 1-1/2" Add-A-Valve Emergency Shut Off Device (Jomar 800-107ADD)	692.40	
23 01 20 91-0065 EA 2" Add-A-Valve Emergency Shut Off Device (Jomar 800-108ADD)	1,030.08	
23 01 30 Operation and Maintenance of HVAC Air Distribution (23 01)		
23 01 30 51 HVAC Air-Distribution System Cleaning (23 01 30)		
23 01 30 51-0001 Special Cleaning Of Ductwork (23 01 30 51)		
Note: Includes sealing registers, grilles, diffusers as required.		
23 01 30 51-0002 LF Up To 2 SF Cross Section, Clean Supply/Return Ductwork	3.55	
For Exhaust Ductwork, Add	0.89	
23 01 30 51-0003 LF >2 SF To 4 SF Cross Section, Clean Supply/Return Ductwork	4.44	
For Exhaust Ductwork, Add	1.11	
23 01 30 51-0004 LF >4 SF To 8 SF Cross Section, Clean Supply/Return Ductwork	5.95	
For Exhaust Ductwork, Add	1.49	
23 01 30 51-0005 LF >8 SF Cross Section, Clean Supply/Return Ductwork	8.40	
For Exhaust Ductwork, Add	2.10	
23 01 30 51-0006 SF Clean Duct Dampers	12.00	
23 01 30 51-0007 SF Clean Duct Fire Dampers	23.98	
23 01 30 51-0008 SF Clean Louver	9.60	
23 01 30 51-0009 EA Clean Turning Vane Set	28.79	
23 01 30 51-0010 EA Clean Grille/Diffuser/Register	28.79	
Note: Includes removal and reinstallation.		
23 01 30 51-0011 LF Clean Linear Diffuser	7.19	
Note: Includes removal and reinstallation.		
23 01 30 51-0012 EA Cut Access For Cleaning Duct And Install Duct Insulated Access Doors	87.25	
For Stainless Steel, Add	45.00	
23 01 30 51-0013 EA Clean Variable Air Volume (VAV) Unit	86.35	
23 01 30 51-0014 EA Clean Fan Powered Induction Unit (PIU) Unit	115.13	
23 01 30 51-0015 EA Clean Fan Coil Unit (FCU) Unit	115.13	
23 01 30 51-0016 EA Clean Supply Or Return Fan	230.26	
23 01 30 51-0017 EA Clean Exhaust Fan	201.48	
23 01 30 51-0018 EA Clean Duct Coil	172.69	
23 01 30 51-0019 SF Clean Air Handling Unit Interior Housing, HEPA Vacuum	5.76	
Note: Excluding fan and coils.		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 01 30 51-0020 EA Clean Air Handling Unit Fan	230.26	
23 01 30 51-0021 EA Clean Air Handling Unit Coil	345.40	
23 01 30 51-0022 SF Clean Equipment Surfaces, Rust Reform And Prime	2.76	
23 01 30 51-0023 SF Clean Interior Equipment Surfaces, Rust Reform And Prime	3.33	
23 01 30 51-0024 SF HEPA Vacuuming Of Walls, Ceilings And Floors In Mechanical Rooms	0.51	
23 01 30 51-0025 EA Cleaning Of Ductwork Minimum Set-up Charge	791.09	
Note: For projects where the total charges are less than the minimum set-up charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.		
23 01 30 51-0026 SF Apply Antimicrobial Agent To Ductwork And Surfaces After Cleaning.....	0.46	

23 01 50 Operation and Maintenance of Central Heating Equipment (23 01)

23 01 50 61 Central Heating Equipment Repair (23 01 50)

23 01 50 61-0001 Boiler Repairs (23 01 50 61)

23 01 50 61-0002 Setup And Maintenance (23 01 50 61-0001)

23 01 50 61-0003 EA Set-up Charge For Boiler Fire Side Maintenance	2,325.97	
Note: Includes removing/relocating doors, plates, portals, and burners required to access fireside.		
23 01 50 61-0004 EA Close-up Charge For Boiler Fire Side Maintenance	2,444.48	
Note: Includes replacement of doors, plates, portals, burners, adhesive, rope, wool, and seals.		
<i>For Burner Seals, Add</i> 632.60		
Note: Used when burner must be removed from door for maintenance.		
23 01 50 61-0005 EA Setup Charge For Boiler Water Side Maintenance	3,101.30	
Note: Includes closing valves, draining, and positioning equipment needed for tube replacement.		
23 01 50 61-0006 EA Up To 100 HP, Hydrostatic Test - Boiler Maintenance	1,550.65	
Note: Includes close-up charge for water side maintenance, blanking off supply, return, and relief valves for test and reconnection after test.		
23 01 50 61-0007 EA >100 HP, Hydrostatic Test - Boiler Maintenance	3,101.30	
Note: Includes close-up charge for water side maintenance, blanking off supply, return, and relief valves for test and reconnection after test.		
23 01 50 61-0008 EA Removal And Replacement Of Handhole	96.92	
23 01 50 61-0009 EA Removal And Replacement Of Manhole.....	290.75	
23 01 50 61-0010 SF Sheet Metal Jacket Patch	11.53	

23 01 50 61-0011 Boiler Tube Replacement (23 01 50 61-0001)

23 01 50 61-0012 EA Removal Of Up To 2" Boiler Tube.....	232.59	
23 01 50 61-0013 EA Removal Of >2" To 3" Boiler Tube.....	290.75	
23 01 50 61-0014 EA Removal Of >3" To 4" Boiler Tube.....	407.04	
23 01 50 61-0015 LF Place 1-1/2" Boiler Tube Into Position For Termination.....	5.92	
23 01 50 61-0016 LF Place 2" Boiler Tube Into Position For Termination	6.80	
23 01 50 61-0017 LF Place 2-1/2" Boiler Tube Into Position For Termination	7.69	
23 01 50 61-0018 LF Place 3" Boiler Tube Into Position For Termination	10.44	
23 01 50 61-0019 LF Place 3-1/2" Boiler Tube Into Position For Termination	12.06	
23 01 50 61-0020 LF Place 4" Boiler Tube Into Position For Termination	15.04	
23 01 50 61-0021 EA 1-1/2" Rolled Boiler Tube Termination (2 Per New Tube).....	29.07	
23 01 50 61-0022 EA 2" Rolled Boiler Tube Termination (2 Per New Tube).....	43.62	
23 01 50 61-0023 EA 2-1/2" Rolled Boiler Tube Termination (2 Per New Tube).....	58.15	
23 01 50 61-0024 EA 3" Rolled Boiler Tube Termination (2 Per New Tube).....	72.69	
23 01 50 61-0025 EA 3-1/2" Rolled Boiler Tube Termination (2 Per New Tube).....	87.22	
23 01 50 61-0026 EA 4" Rolled Boiler Tube Termination (2 Per New Tube).....	101.76	
23 01 50 61-0027 EA 1-1/2" Welded Boiler Tube Termination (2 Per New Tube).....	87.22	
23 01 50 61-0028 EA 2" Welded Boiler Tube Termination (2 Per New Tube).....	116.30	
23 01 50 61-0029 EA 2-1/2" Welded Boiler Tube Termination (2 Per New Tube).....	145.37	
23 01 50 61-0030 EA 3" Welded Boiler Tube Termination (2 Per New Tube).....	174.45	
23 01 50 61-0031 EA 3-1/2" Welded Boiler Tube Termination (2 Per New Tube).....	203.52	
23 01 50 61-0032 EA 4" Welded Boiler Tube Termination (2 Per New Tube).....	232.59	
23 01 50 61-0033 EA Plug Boiler Tube Hole Where Boiler Tube Is Not Replaced.....	235.36	

23 01 50 61-0034 Cast Iron Boiler Section Replacement (23 01 50 61-0001)

23 01 50 61-0035 EA Replace Front Section Of Weil McLain Model 80 Cast Iron Boiler	2,405.35	
23 01 50 61-0036 EA Replace Rear Section Of Weil McLain Model 80 Cast Iron Boiler	1,606.92	
23 01 50 61-0037 EA Replace Inside Section Of Weil McLain Model 80 Cast Iron Boiler.....	2,114.29	
23 01 50 61-0038 EA Replace Front Section Of Weil McLain Model 88 Cast Iron Boiler	4,340.29	
23 01 50 61-0039 EA Replace Rear Section Of Weil McLain Model 88 Cast Iron Boiler	3,109.16	
23 01 50 61-0040 EA Replace Inside Section Of Weil McLain Model 88 Cast Iron Boiler.....	3,783.58	
23 01 50 61-0041 EA Replace Front Section Of Weil McLain Model 94 Cast Iron Boiler.....	6,928.51	
23 01 50 61-0042 EA Replace Rear Section Of Weil McLain Model 94 Cast Iron Boiler	5,248.38	
23 01 50 61-0043 EA Replace Inside Section Of Weil McLain Model 94 Cast Iron Boiler.....	5,870.76	

23 01 50 61-0044 Cast Iron Grate Replacement (23 01 50 61-0001)

23 01 50 61-0045 SF Replace Cast Iron Boiler Grates, Prepared From Casting Mold	113.41	
Note: Includes support, linkages and removal of existing.		
23 01 50 61-0046 EA Prepare Cast Iron Boiler Grate Mold.....	1,544.88	
Note: Includes preparing unique size mold for grate casting. Mold to be used for multiple castings.		

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 01 Operation and Maintenance of HVAC Systems****23 01 50 Operation and Maintenance of Central Heating Equipment**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 01 50 61-0047 Replacement Or Conversion Of Boiler Burners (23 01 50 61-0001) Note: Includes mounting plate, mechanical and electrical labor for installation of burners.		
23 01 50 61-0048 EA 700 MBH Max Input Burner With 2" Boiler Connection, Screwed.....	6,187.50	1,093.70
23 01 50 61-0049 EA 2,100 MBH Max Input Burner With 2-1/2" Boiler Connection, Screwed.....	8,767.40	1,354.08
23 01 50 61-0050 EA 2,800 MBH Max Input Burner With 3" Boiler Connection, Screwed.....	10,385.37	1,640.44
23 01 50 61-0051 EA 3,800 MBH Max Input Burner With 4" Boiler Connection, Flanged.....	12,127.54	1,764.56
23 01 50 61-0052 Boiler And Chiller Water Treatment (23 01 50 61) Note: 3 LB chemical per 50 gallon system water.		
23 01 50 61-0053 LB Boil Out Boiler And System With Caustic Soda..... Note: Includes disposal after treatment.	0.85	
23 01 50 61-0054 LB Boil Out Boiler And System With Trisodium Phosphate..... Note: Includes disposal after treatment.	1.27	
23 01 50 61-0055 GAL Corrosion Resistant Chemical Treatment, Based On Gallons Of Chemical Required.....	79.33	
23 01 60 Operation and Maintenance of Central Cooling Equipment (23 01)		
23 01 60 61 Central Cooling Equipment Repair (23 01 60)		
23 01 60 61-0001 Cooling Tower Repairs (23 01 60 61)		
23 01 60 61-0002 EA Replace 6' Diameter 4 Blade, Cooling Tower Fan Blade.....	1,850.01	
23 01 60 61-0003 EA Replace 6' Diameter 5 Blade, Cooling Tower Fan Blade.....	2,165.17	
23 01 60 61-0004 EA Replace 6' Diameter 6 Blade, Cooling Tower Fan Blade.....	2,478.02	
23 01 60 61-0005 EA Replace 6' Diameter 7 Blade, Cooling Tower Fan Blade.....	2,911.66	
23 01 60 61-0006 EA Replace 6' Diameter 8 Blade, Cooling Tower Fan Blade.....	3,200.37	
23 01 60 61-0007 EA Replace 8' Diameter 4 Blade, Cooling Tower Fan Blade.....	2,055.45	
23 01 60 61-0008 EA Replace 8' Diameter 5 Blade, Cooling Tower Fan Blade.....	2,276.29	
23 01 60 61-0009 EA Replace 8' Diameter 6 Blade, Cooling Tower Fan Blade.....	2,655.86	
23 01 60 61-0010 EA Replace 8' Diameter 7 Blade, Cooling Tower Fan Blade.....	3,012.42	
23 01 60 61-0011 EA Replace 8' Diameter 8 Blade, Cooling Tower Fan Blade.....	3,308.04	
23 01 60 61-0012 EA Replace Individual Cooling Tower Fan Blade For 6' Diameter Fan.....	505.63	
23 01 60 61-0013 EA Replace Individual Cooling Tower Fan Blade For 8' Diameter Fan.....	528.54	
23 01 60 61-0014 EA Replace Individual Cooling Tower Fan Blade For 10' Diameter Fan.....	567.57	
23 01 60 61-0015 EA Replace Individual Cooling Tower Fan Blade For 12' Diameter Fan.....	660.64	
23 01 60 61-0016 EA Replace Individual Cooling Tower Fan Blade For 14' Diameter Fan.....	814.67	
23 01 60 61-0017 EA Replace Individual Cooling Tower Fan Blade For 16' Diameter Fan.....	1,091.79	
23 01 60 61-0018 EA Replace Individual Cooling Tower Fan Blade For 18' Diameter Fan.....	1,150.36	
23 01 60 61-0019 EA Replace Individual Cooling Tower Fan Blade For 20' Diameter Fan.....	1,238.22	
23 01 60 61-0020 EA Replace Counterflow Nozzle (1/2" - 2" NPT Thread).....	32.64	
23 01 60 61-0021 EA Replace 6' Polyvinyl Chloride (PVC) Splash Fill.....	21.95	
23 01 60 71 Refrigerant Recovery/Recycling (23 01 60)		
23 01 60 71-0001 Refrigerant Recovery, Reclaim And Recycling (23 01 60 71)		
23 01 60 71-0002 LB Recovery Of Refrigerant.....	8.73	
23 01 60 71-0003 LB Recovery And Recharging Of Refrigerant..... Note: Includes cleaning refrigerant gas prior to recharging.	16.37	
23 05 Common Work Results For HVAC (23)		
23 05 13 Common Motor Requirements For HVAC Equipment (23 05)		
Note: New equipment includes motor, unless otherwise stated. For use when replacing existing motor.		
23 05 13 00-0001 Premium Efficient, Motors (23 05 13) Note: New equipment includes motor, unless otherwise stated. For use when replacing existing motor. Excludes installation. See CSI section 23 05 13 00-0216 for installation.		
23 05 13 00-0002 Premium Efficient, Open Drip Proof Motors (23 05 13 00-0001) Note: NEMA premium efficiency, open drip proof, three phase AC motors.		
23 05 13 00-0003 Steel Frame, Premium Efficient, Open Drip Proof Motors (23 05 13 00-0002)		
23 05 13 00-0004 EA 1 HP, 3,600 RPM, 56 NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor.....	401.48	
23 05 13 00-0005 EA 1 HP, 1,800 RPM, 143T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor.....	454.61	
23 05 13 00-0006 EA 1 HP, 1,200 RPM, 145T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor.....	532.99	
23 05 13 00-0007 EA 1-1/2 HP, 3,600 RPM, 143T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor.....	447.64	
23 05 13 00-0008 EA 1-1/2 HP, 1,800 RPM, 145T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor.....	475.51	
23 05 13 00-0009 EA 1-1/2 HP, 1,200 RPM, 182T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor.....	623.56	
23 05 13 00-0010 EA 2 HP, 3,600 RPM, 145T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor.....	526.02	
23 05 13 00-0011 EA 2 HP, 1,800 RPM, 145T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor.....	509.48	
23 05 13 00-0012 EA 2 HP, 1,200 RPM, 184T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor.....	637.50	
23 05 13 00-0013 EA 3 HP, 3,600 RPM, 182T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor.....	532.99	
23 05 13 00-0014 EA 3 HP, 1,800 RPM, 182T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor.....	549.54	
23 05 13 00-0015 EA 3 HP, 1,200 RPM, 213T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor.....	811.68	
23 05 13 00-0016 EA 5 HP, 3,600 RPM, 184T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor.....	581.76	
23 05 13 00-0017 EA 5 HP, 1,800 RPM, 184T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor.....	601.79	
23 05 13 00-0018 EA 5 HP, 1,200 RPM, 215T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor.....	1,063.37	
23 05 13 00-0019 EA 7-1/2 HP, 3,600 RPM, 213T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor.....	923.15	
23 05 13 00-0020 EA 7-1/2 HP, 1,800 RPM, 213T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor.....	884.83	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 13 00-0021 EA 7-1/2 HP, 1,200 RPM, 254T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor.....	1,275.00	
23 05 13 00-0022 EA 10 HP, 3,600 RPM, 215T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor.....	1,055.53	
23 05 13 00-0023 EA 10 HP, 1,800 RPM, 215T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor.....	1,071.21	
23 05 13 00-0024 EA 10 HP, 1,200 RPM, 256T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor.....	1,659.06	
23 05 13 00-0025 EA 15 HP, 3,600 RPM, 254T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor.....	1,499.69	
23 05 13 00-0026 EA 15 HP, 1,800 RPM, 254T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor.....	1,517.11	
23 05 13 00-0027 EA 15 HP, 1,200 RPM, 284T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor.....	2,237.34	
23 05 13 00-0028 EA 20 HP, 3,600 RPM, 256T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor.....	1,761.83	
23 05 13 00-0029 EA 20 HP, 1,800 RPM, 256T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor.....	1,904.66	
23 05 13 00-0030 EA 20 HP, 1,200 RPM, 286T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor.....	2,723.30	
23 05 13 00-0031 EA 25 HP, 3,600 RPM, 284TS NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor.....	2,115.42	
23 05 13 00-0032 EA 25 HP, 1,800 RPM, 284T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor.....	2,321.82	
23 05 13 00-0033 EA 25 HP, 1,200 RPM, 324T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor.....	3,289.39	
23 05 13 00-0034 EA 30 HP, 3,600 RPM, 286TS NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor.....	2,496.00	
23 05 13 00-0035 EA 30 HP, 1,800 RPM, 286T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor.....	2,538.67	
23 05 13 00-0036 EA 30 HP, 1,200 RPM, 326T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor.....	3,431.35	
23 05 13 00-0037 EA 40 HP, 3,600 RPM, 324TS NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor.....	3,216.23	
23 05 13 00-0038 EA 40 HP, 1,800 RPM, 324T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor.....	3,312.03	
23 05 13 00-0039 EA 50 HP, 3,600 RPM, 326TS NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor.....	3,502.76	
23 05 13 00-0040 EA 50 HP, 1,800 RPM, 326T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor.....	3,655.17	
23 05 13 00-0041 EA 60 HP, 3,600 RPM, 364TS NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor.....	4,432.01	
23 05 13 00-0042 EA 60 HP, 1,800 RPM, 364T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor.....	4,601.84	
23 05 13 00-0043 EA 75 HP, 3,600 RPM, 365TS NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor.....	5,814.13	
23 05 13 00-0044 EA 75 HP, 1,800 RPM, 365T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor.....	5,648.66	
23 05 13 00-0045 EA 100 HP, 3,600 RPM, 365TS NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor.....	6,214.74	
23 05 13 00-0046 EA 100 HP, 1,800 RPM, 404T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor.....	6,571.81	
23 05 13 00-0047 EA 125 HP, 3,600 RPM, 404TS NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor.....	7,799.78	
23 05 13 00-0048 EA 125 HP, 1,800 RPM, 405T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor.....	8,061.92	
23 05 13 00-0049 EA 150 HP, 3,600 RPM, 405TS NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor.....	9,621.70	
23 05 13 00-0050 Cast Iron Frame, Premium Efficient, Open Drip Proof Motors (23 05 13 00-0002)		
23 05 13 00-0051 EA 40 HP, 1,200 RPM, 364T NEMA Cast Iron Frame, Premium Efficient, Open Drip Proof Motor.....	4,888.36	
23 05 13 00-0052 EA 50 HP, 1,200 RPM, 365T NEMA Cast Iron Frame, Premium Efficient, Open Drip Proof Motor.....	5,917.77	
23 05 13 00-0053 EA 60 HP, 1,200 RPM, 404T NEMA Cast Iron Frame, Premium Efficient, Open Drip Proof Motor.....	7,513.25	
23 05 13 00-0054 EA 75 HP, 1,200 RPM, 405T NEMA Cast Iron Frame, Premium Efficient, Open Drip Proof Motor.....	8,364.99	
23 05 13 00-0055 EA 100 HP, 1,200 RPM, 444T NEMA Cast Iron Frame, Premium Efficient, Open Drip Proof Motor.....	9,207.15	
23 05 13 00-0056 EA 125 HP, 1,200 RPM, 445T NEMA Cast Iron Frame, Premium Efficient, Open Drip Proof Motor.....	9,943.07	
23 05 13 00-0057 EA 150 HP, 1,800 RPM, 444T NEMA Cast Iron Frame, Premium Efficient, Open Drip Proof Motor.....	8,955.46	
23 05 13 00-0058 EA 150 HP, 1,200 RPM, 445T NEMA Cast Iron Frame, Premium Efficient, Open Drip Proof Motor.....	11,710.12	
23 05 13 00-0059 EA 200 HP, 3,600 RPM, 444TS NEMA Cast Iron Frame, Premium Efficient, Open Drip Proof Motor.....	10,903.67	
23 05 13 00-0060 EA 200 HP, 1,800 RPM, 445T NEMA Cast Iron Frame, Premium Efficient, Open Drip Proof Motor.....	11,191.06	
23 05 13 00-0061 EA 200 HP, 1,200 RPM, 447T NEMA Cast Iron Frame, Premium Efficient, Open Drip Proof Motor.....	15,393.16	
23 05 13 00-0062 Premium Efficient, TEFC Motors (23 05 13 00-0001)		
Note: NEMA premium efficiency, totally enclosed fan cooled, three phase AC motors.		
23 05 13 00-0063 Steel Frame, Premium Efficient, TEFC Motors (23 05 13 00-0062)		
23 05 13 00-0064 EA 1 HP, 3,600 RPM, 56 NEMA Steel Frame, Premium Efficient, TEFC Motor.....	469.42	
23 05 13 00-0065 EA 1 HP, 1,800 RPM, 143T NEMA Steel Frame, Premium Efficient, TEFC Motor.....	517.31	
23 05 13 00-0066 EA 1 HP, 1,200 RPM, 145T NEMA Steel Frame, Premium Efficient, TEFC Motor.....	615.73	
23 05 13 00-0067 EA 1-1/2 HP, 3,600 RPM, 143T NEMA Steel Frame, Premium Efficient, TEFC Motor.....	532.12	
23 05 13 00-0068 EA 1-1/2 HP, 1,800 RPM, 145T NEMA Steel Frame, Premium Efficient, TEFC Motor.....	537.35	
23 05 13 00-0069 EA 2 HP, 3,600 RPM, 145T NEMA Steel Frame, Premium Efficient, TEFC Motor.....	582.63	
23 05 13 00-0070 EA 2 HP, 1,800 RPM, 145T NEMA Steel Frame, Premium Efficient, TEFC Motor.....	557.38	
23 05 13 00-0071 EA 3 HP, 3,600 RPM, 182T NEMA Steel Frame, Premium Efficient, TEFC Motor.....	646.21	
23 05 13 00-0072 EA 3 HP, 1,800 RPM, 182T NEMA Steel Frame, Premium Efficient, TEFC Motor.....	615.73	
23 05 13 00-0073 EA 3 HP, 1,200 RPM, 213T NEMA Steel Frame, Premium Efficient, TEFC Motor.....	988.47	
23 05 13 00-0074 EA 5 HP, 3,600 RPM, 184T NEMA Steel Frame, Premium Efficient, TEFC Motor.....	716.75	
23 05 13 00-0075 EA 5 HP, 1,800 RPM, 184T NEMA Steel Frame, Premium Efficient, TEFC Motor.....	674.08	
23 05 13 00-0076 EA 5 HP, 1,200 RPM, 215T NEMA Steel Frame, Premium Efficient, TEFC Motor.....	1,116.49	
23 05 13 00-0077 EA 7-1/2 HP, 3,600 RPM, 213T NEMA Steel Frame, Premium Efficient, TEFC Motor.....	1,073.82	
23 05 13 00-0078 EA 7-1/2 HP, 1,800 RPM, 213T NEMA Steel Frame, Premium Efficient, TEFC Motor.....	971.92	
23 05 13 00-0079 EA 10 HP, 3,600 RPM, 215T NEMA Steel Frame, Premium Efficient, TEFC Motor.....	1,088.62	
23 05 13 00-0080 EA 10 HP, 1,800 RPM, 215T NEMA Steel Frame, Premium Efficient, TEFC Motor.....	1,097.33	
23 05 13 00-0081 Cast Iron Frame, Premium Efficient, TEFC Motors (23 05 13 00-0062)		
23 05 13 00-0082 EA 1 HP, 1,800 RPM, 143T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor.....	669.72	
23 05 13 00-0083 EA 1 HP, 1,200 RPM, 145T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor.....	749.84	
23 05 13 00-0084 EA 1-1/2 HP, 3,600 RPM, 143T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor.....	707.17	
23 05 13 00-0085 EA 1-1/2 HP, 1,800 RPM, 145T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor.....	694.11	
23 05 13 00-0086 EA 1-1/2 HP, 1,200 RPM, 182T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor.....	892.67	
23 05 13 00-0087 EA 2 HP, 3,600 RPM, 145T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor.....	743.75	
23 05 13 00-0088 EA 2 HP, 1,800 RPM, 145T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor.....	727.20	
23 05 13 00-0089 EA 2 HP, 1,200 RPM, 184T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor.....	906.61	
23 05 13 00-0090 EA 3 HP, 3,600 RPM, 182T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor.....	802.97	
23 05 13 00-0091 EA 3 HP, 1,800 RPM, 182T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor.....	825.61	
23 05 13 00-0092 EA 3 HP, 1,200 RPM, 213T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor.....	1,129.56	
23 05 13 00-0093 EA 5 HP, 3,600 RPM, 184T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor.....	988.47	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 13 00-0094 EA 5 HP, 1,800 RPM, 184T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	826.48	
23 05 13 00-0095 EA 5 HP, 1,200 RPM, 215T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	1,310.70	
23 05 13 00-0096 EA 7-1/2 HP, 3,600 RPM, 213T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	1,144.36	
23 05 13 00-0097 EA 7-1/2 HP, 1,800 RPM, 213T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	1,102.56	
23 05 13 00-0098 EA 7-1/2 HP, 1,200 RPM, 254T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	1,868.95	
23 05 13 00-0099 EA 10 HP, 3,600 RPM, 215T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	1,341.19	
23 05 13 00-0100 EA 10 HP, 1,800 RPM, 215T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	1,236.68	
23 05 13 00-0101 EA 10 HP, 1,200 RPM, 256T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	2,133.70	
23 05 13 00-0102 EA 15 HP, 3,600 RPM, 254T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	1,848.05	
23 05 13 00-0103 EA 15 HP, 1,800 RPM, 254T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	1,691.29	
23 05 13 00-0104 EA 15 HP, 1,200 RPM, 284T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	2,846.10	
23 05 13 00-0105 EA 20 HP, 3,600 RPM, 256T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	2,028.33	
23 05 13 00-0106 EA 20 HP, 1,800 RPM, 256T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	2,050.97	
23 05 13 00-0107 EA 20 HP, 1,200 RPM, 286T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	3,789.29	
23 05 13 00-0108 EA 25 HP, 3,600 RPM, 284TS NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	2,646.67	
23 05 13 00-0109 EA 25 HP, 1,800 RPM, 284T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	2,682.37	
23 05 13 00-0110 EA 25 HP, 1,200 RPM, 324T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	4,287.44	
23 05 13 00-0111 EA 30 HP, 3,600 RPM, 286TS NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	3,144.82	
23 05 13 00-0112 EA 30 HP, 1,800 RPM, 286T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	3,182.27	
23 05 13 00-0113 EA 30 HP, 1,200 RPM, 326T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	4,952.81	
23 05 13 00-0114 EA 40 HP, 3,600 RPM, 324TS NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	4,310.96	
23 05 13 00-0115 EA 40 HP, 1,800 RPM, 324T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	4,161.16	
23 05 13 00-0116 EA 40 HP, 1,200 RPM, 364T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	6,172.07	
23 05 13 00-0117 EA 50 HP, 3,600 RPM, 326TS NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	4,715.92	
23 05 13 00-0118 EA 50 HP, 1,800 RPM, 326T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	4,547.84	
23 05 13 00-0119 EA 50 HP, 1,200 RPM, 365T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	7,458.39	
23 05 13 00-0120 EA 60 HP, 3,600 RPM, 364TS NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	6,624.94	
23 05 13 00-0121 EA 60 HP, 1,800 RPM, 364T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	6,543.94	
23 05 13 00-0122 EA 60 HP, 1,200 RPM, 404T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	9,053.01	
23 05 13 00-0123 EA 75 HP, 3,600 RPM, 365TS NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	7,707.46	
23 05 13 00-0124 EA 75 HP, 1,800 RPM, 365T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	7,651.73	
23 05 13 00-0125 EA 75 HP, 1,200 RPM, 405T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	10,542.24	
23 05 13 00-0126 EA 100 HP, 1,800 RPM, 405T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	9,502.39	
23 05 13 00-0127 EA 125 HP, 1,800 RPM, 444T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	11,764.12	
23 05 13 00-0128 EA 150 HP, 1,800 RPM, 445T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	13,532.04	
23 05 13 00-0129 EA 200 HP, 1,800 RPM, 447T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	17,006.94	

23 05 13 00-0130 Premium Efficient, Severe Duty Motors (23 05 13 00-0001)

Note: NEMA premium efficiency, TEFC enclosure severe duty, three phase AC motors.

23 05 13 00-0131 EA 1 HP, 3,600 RPM, 143T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	695.85	
23 05 13 00-0132 EA 1 HP, 1,800 RPM, 143T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	764.65	
23 05 13 00-0133 EA 1 HP, 1,200 RPM, 145T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	844.77	
23 05 13 00-0134 EA 1 HP, 900 RPM, L182T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	1,187.04	
23 05 13 00-0135 EA 1-1/2 HP, 3,600 RPM, 143T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	791.65	
23 05 13 00-0136 EA 1-1/2 HP, 1,800 RPM, 145T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	779.46	
23 05 13 00-0137 EA 1-1/2 HP, 1,200 RPM, 182T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	988.47	
23 05 13 00-0138 EA 1-1/2 HP, 900 RPM, L184T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	1,477.05	
23 05 13 00-0139 EA 2 HP, 3,600 RPM, 145T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	828.23	
23 05 13 00-0140 EA 2 HP, 1,800 RPM, 145T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	813.42	
23 05 13 00-0141 EA 2 HP, 1,200 RPM, L184T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	1,001.54	
23 05 13 00-0142 EA 2 HP, 900 RPM, L213T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	1,862.86	
23 05 13 00-0143 EA 3 HP, 3,600 RPM, 182T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	979.76	
23 05 13 00-0144 EA 3 HP, 1,800 RPM, 182T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	1,029.40	
23 05 13 00-0145 EA 3 HP, 1,200 RPM, 213T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	1,445.69	
23 05 13 00-0146 EA 3 HP, 900 RPM, L215T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	2,020.49	
23 05 13 00-0147 EA 5 HP, 3,600 RPM, 184T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	1,205.33	
23 05 13 00-0148 EA 5 HP, 1,800 RPM, L184T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	1,047.69	
23 05 13 00-0149 EA 5 HP, 1,200 RPM, L215T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	1,464.85	
23 05 13 00-0150 EA 5 HP, 900 RPM, 254T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	3,216.23	
23 05 13 00-0151 EA 7-1/2 HP, 3,600 RPM, 213T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	1,572.85	
23 05 13 00-0152 EA 7-1/2 HP, 1,800 RPM, L213T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	1,319.41	
23 05 13 00-0153 EA 7-1/2 HP, 1,200 RPM, 254T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	2,096.26	
23 05 13 00-0154 EA 7-1/2 HP, 900 RPM, 256T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	3,677.81	
23 05 13 00-0155 EA 10 HP, 3,600 RPM, 215T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	1,674.74	
23 05 13 00-0156 EA 10 HP, 1,800 RPM, L215T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	1,579.81	
23 05 13 00-0157 EA 10 HP, 1,200 RPM, 256T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	2,723.30	
23 05 13 00-0158 EA 10 HP, 900 RPM, 284T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	4,290.05	
23 05 13 00-0159 EA 15 HP, 3,600 RPM, 254T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	2,142.41	
23 05 13 00-0160 EA 15 HP, 1,800 RPM, 254T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	2,012.65	
23 05 13 00-0161 EA 15 HP, 1,200 RPM, 284T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	3,122.18	
23 05 13 00-0162 EA 15 HP, 900 RPM, 286T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	5,727.04	
23 05 13 00-0163 EA 20 HP, 3,600 RPM, 256T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	2,499.48	
23 05 13 00-0164 EA 20 HP, 1,800 RPM, 256T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	2,158.96	
23 05 13 00-0165 EA 20 HP, 1,200 RPM, 286T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	4,242.15	
23 05 13 00-0166 EA 20 HP, 900 RPM, 324T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	6,529.14	
23 05 13 00-0167 EA 25 HP, 3,600 RPM, 284TS NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	3,003.73	
23 05 13 00-0168 EA 25 HP, 1,800 RPM, 284T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	2,825.20	
23 05 13 00-0169 EA 25 HP, 1,200 RPM, 324T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	4,432.88	
23 05 13 00-0170 EA 30 HP, 3,600 RPM, 286TS NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	3,662.13	
23 05 13 00-0171 EA 30 HP, 1,800 RPM, 286T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	3,354.71	



Heating, Ventilating, And Air-Conditioning (HVAC) 23
Common Work Results For HVAC 23 05
Common Motor Requirements For HVAC Equipment 23 05 13

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 13 00-0172 EA 30 HP, 1,200 RPM, 326T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	5,714.85	
23 05 13 00-0173 EA 40 HP, 3,600 RPM, 324TS NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	5,031.19	
23 05 13 00-0174 EA 40 HP, 1,800 RPM, 324T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	4,389.34	
23 05 13 00-0175 EA 40 HP, 1,200 RPM, 364T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	7,123.09	
23 05 13 00-0176 EA 50 HP, 3,600 RPM, 326TS NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	5,272.43	
23 05 13 00-0177 EA 50 HP, 1,800 RPM, 326T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	5,152.24	
23 05 13 00-0178 EA 50 HP, 1,200 RPM, 365T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	7,587.28	
23 05 13 00-0179 EA 60 HP, 3,600 RPM, 364TS NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	7,651.73	
23 05 13 00-0180 EA 60 HP, 1,800 RPM, 364T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	6,905.37	
23 05 13 00-0181 EA 60 HP, 1,800 RPM, 404T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	10,363.71	
23 05 13 00-0182 EA 75 HP, 3,600 RPM, 365TS NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	8,553.98	
23 05 13 00-0183 EA 75 HP, 1,800 RPM, 365T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	8,068.89	
23 05 13 00-0184 EA 75 HP, 1,200 RPM, 405T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	12,613.24	
23 05 13 00-0185 EA 100 HP, 3,600 RPM, 405TS NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	10,752.13	
23 05 13 00-0186 EA 100 HP, 1,800 RPM, 405T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	10,591.89	
23 05 13 00-0187 EA 100 HP, 1,200 RPM, 444T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	13,873.44	
23 05 13 00-0188 EA 125 HP, 3,600 RPM, 444TS NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	12,634.15	
23 05 13 00-0189 EA 125 HP, 1,800 RPM, 444T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	12,521.80	
23 05 13 00-0190 EA 125 HP, 1,200 RPM, 445T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	15,672.72	
23 05 13 00-0191 EA 150 HP, 3,600 RPM, 445TS NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	14,811.40	
23 05 13 00-0192 EA 150 HP, 1,800 RPM, 445T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	14,669.44	
23 05 13 00-0193 EA 150 HP, 1,200 RPM, 447T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	17,670.56	
23 05 13 00-0194 EA 200 HP, 3,600 RPM, 447TS NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	17,539.06	
23 05 13 00-0195 EA 200 HP, 1,800 RPM, 447T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	17,647.05	
23 05 13 00-0196 EA 200 HP, 1,200 RPM, 449T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	23,146.78	
23 05 13 00-0197 Premium Efficient, Explosion Proof Motors (23 05 13 00-0001)		
Note: NEMA premium efficiency, explosion proof, three phase AC motors.		
23 05 13 00-0198 EA 1 HP, 1,800 RPM, 143T NEMA Cast Iron Frame, Premium Efficient, Explosion Proof Motor.....	928.38	
23 05 13 00-0199 EA 1-1/2 HP, 1,800 RPM, 145T NEMA Cast Iron Frame, Premium Efficient, Explosion Proof Motor.....	961.47	
23 05 13 00-0200 EA 2 HP, 1,800 RPM, 145T NEMA Cast Iron Frame, Premium Efficient, Explosion Proof Motor.....	1,048.56	
23 05 13 00-0201 EA 3 HP, 1,800 RPM, L182T NEMA Cast Iron Frame, Premium Efficient, Explosion Proof Motor.....	1,295.90	
23 05 13 00-0202 EA 5 HP, 1,800 RPM, L184T NEMA Cast Iron Frame, Premium Efficient, Explosion Proof Motor.....	1,436.98	
23 05 13 00-0203 EA 7-1/2 HP, 1,800 RPM, 213T NEMA Cast Iron Frame, Premium Efficient, Explosion Proof Motor.....	1,980.43	
23 05 13 00-0204 EA 10 HP, 1,800 RPM, L215T NEMA Cast Iron Frame, Premium Efficient, Explosion Proof Motor.....	2,021.36	
23 05 13 00-0205 EA 15 HP, 1,800 RPM, 254T NEMA Cast Iron Frame, Premium Efficient, Explosion Proof Motor.....	2,736.37	
23 05 13 00-0206 EA 20 HP, 1,800 RPM, 256T NEMA Cast Iron Frame, Premium Efficient, Explosion Proof Motor.....	3,119.56	
23 05 13 00-0207 EA 25 HP, 1,800 RPM, 284T NEMA Cast Iron Frame, Premium Efficient, Explosion Proof Motor.....	4,098.46	
23 05 13 00-0208 EA 30 HP, 1,800 RPM, 286T NEMA Cast Iron Frame, Premium Efficient, Explosion Proof Motor.....	4,600.09	
23 05 13 00-0209 EA 40 HP, 1,800 RPM, 324T NEMA Cast Iron Frame, Premium Efficient, Explosion Proof Motor.....	6,015.31	
23 05 13 00-0210 EA 50 HP, 1,800 RPM, 326T NEMA Cast Iron Frame, Premium Efficient, Explosion Proof Motor.....	6,774.73	
23 05 13 00-0211 EA 60 HP, 1,800 RPM, 364T NEMA Cast Iron Frame, Premium Efficient, Explosion Proof Motor.....	9,477.13	
23 05 13 00-0212 EA 75 HP, 1,800 RPM, 365T NEMA Cast Iron Frame, Premium Efficient, Explosion Proof Motor.....	11,125.75	
23 05 13 00-0213 EA 100 HP, 1,800 RPM, 405T NEMA Cast Iron Frame, Premium Efficient, Explosion Proof Motor.....	13,552.95	
23 05 13 00-0214 EA 125 HP, 1,800 RPM, 444T NEMA Cast Iron Frame, Premium Efficient, Explosion Proof Motor.....	17,714.11	
23 05 13 00-0215 EA 150 HP, 1,800 RPM, 445T NEMA Cast Iron Frame, Premium Efficient, Explosion Proof Motor.....	20,211.85	
23 05 13 00-0216 Motor Mounting (23 05 13)		
Note: Includes handling and motor installation on mounting base. Excludes mounting base.		
23 05 13 00-0217 EA 1/2 HP Motor Mounting.....	163.14	83.01
23 05 13 00-0218 EA 3/4 HP Motor Mounting.....	187.97	103.76
23 05 13 00-0219 EA 1 HP Motor Mounting.....	201.08	103.76
23 05 13 00-0220 EA 1-1/2 HP Motor Mounting.....	216.17	103.76
23 05 13 00-0221 EA 2 HP Motor Mounting.....	233.69	124.51
23 05 13 00-0222 EA 3 HP Motor Mounting.....	270.20	124.51
23 05 13 00-0223 EA 5 HP Motor Mounting.....	320.24	207.52
23 05 13 00-0224 EA 7-1/2 HP Motor Mounting.....	411.75	207.52
23 05 13 00-0225 EA 10 HP Motor Mounting.....	540.42	363.16
23 05 13 00-0226 EA 15 HP Motor Mounting.....	665.12	363.16
23 05 13 00-0227 EA 20 HP Motor Mounting.....	786.06	518.80
23 05 13 00-0228 EA 25 HP Motor Mounting.....	891.40	518.80
23 05 13 00-0229 EA 30 HP Motor Mounting.....	1,080.82	518.80
23 05 13 00-0230 EA 40 HP Motor Mounting.....	1,217.83	778.19
23 05 13 00-0231 EA 50 HP Motor Mounting.....	1,351.03	778.19
23 05 13 00-0232 EA 75 HP Motor Mounting.....	1,631.44	1,141.35
23 05 13 00-0233 EA 100 HP Motor Mounting.....	1,965.13	1,141.35
23 05 13 00-0234 EA 125 HP Motor Mounting.....	2,401.83	1,556.38
23 05 13 00-0235 EA 150 HP Motor Mounting.....	2,789.23	1,556.38
23 05 13 00-0236 EA 200 HP Motor Mounting.....	3,202.44	1,867.66
23 05 16 Expansion Fittings And Loops For HVAC Piping (23 05)		
23 05 16 00-0001 Stainless Steel Bellows Type Expansion Joints (23 05 16)		
Note: Includes internal sleeves and external covers.		
23 05 16 00-0002 Threaded, 150 LB, Stainless Steel Bellows Type Expansion Joints (23 05 16 00-0001)		
Note: Carbon steel ends. Includes internal sleeves and external covers.		
23 05 16 00-0003 EA 1/2" Threaded, 150 LB, Stainless Steel Bellows Type Expansion Joint.....	203.14	89.84
<i>For 300 LB Rating, Add 5.84</i>		

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 05 Common Work Results For HVAC****23 05 16 Expansion Fittings And Loops For HVAC Piping**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 16 00-0004 EA 3/4" Threaded, 150 LB, Stainless Steel Bellows Type Expansion Joint.....	228.09	101.32
For 300 LB Rating, Add	6.39	
23 05 16 00-0005 EA 1" Threaded, 150 LB, Stainless Steel Bellows Type Expansion Joint.....	265.57	116.15
For 300 LB Rating, Add	8.34	
23 05 16 00-0006 EA 1-1/4" Threaded, 150 LB, Stainless Steel Bellows Type Expansion Joint.....	299.00	129.64
For 300 LB Rating, Add	10.01	
23 05 16 00-0007 EA 1-1/2" Threaded, 150 LB, Stainless Steel Bellows Type Expansion Joint.....	323.10	139.34
For 300 LB Rating, Add	11.11	
23 05 16 00-0008 EA 2" Threaded, 150 LB, Stainless Steel Bellows Type Expansion Joint.....	374.50	163.96
For 300 LB Rating, Add	11.67	
23 05 16 00-0009 Flanged, 150 LB, Stainless Steel Bellows Type Expansion Joints (23 05 16 00-0001)		
Note: Carbon steel ends. Includes internal sleeves and external covers.		
23 05 16 00-0010 EA 1-1/4" Flanged, 150 LB, Stainless Steel Bellows Type Expansion Joint.....	699.11	82.08
For 300 LB Rating, Add	133.75	
23 05 16 00-0011 EA 1-1/2" Flanged, 150 LB, Stainless Steel Bellows Type Expansion Joint.....	735.48	82.70
For 300 LB Rating, Add	142.50	
23 05 16 00-0012 EA 2" Flanged, 150 LB, Stainless Steel Bellows Type Expansion Joint.....	741.10	85.57
For 300 LB Rating, Add	142.52	
23 05 16 00-0013 EA 2-1/2" Flanged, 150 LB, Stainless Steel Bellows Type Expansion Joint.....	798.87	93.27
For 300 LB Rating, Add	153.08	
23 05 16 00-0014 EA 3" Flanged, 150 LB, Stainless Steel Bellows Type Expansion Joint.....	880.92	109.68
For 300 LB Rating, Add	165.42	
23 05 16 00-0015 EA 4" Flanged, 150 LB, Stainless Steel Bellows Type Expansion Joint.....	1,149.97	218.24
For 300 LB Rating, Add	178.43	
23 05 16 00-0016 EA 5" Flanged, 150 LB, Stainless Steel Bellows Type Expansion Joint.....	1,488.17	212.28
For 300 LB Rating, Add	266.04	
23 05 16 00-0017 EA 6" Flanged, 150 LB, Stainless Steel Bellows Type Expansion Joint.....	1,381.42	235.03
For 300 LB Rating, Add	227.84	
23 05 16 00-0018 EA 8" Flanged, 150 LB, Stainless Steel Bellows Type Expansion Joint.....	1,717.19	268.58
For 300 LB Rating, Add	295.33	
23 05 16 00-0019 EA 10" Flanged, 150 LB, Stainless Steel Bellows Type Expansion Joint.....	2,184.84	329.04
For 300 LB Rating, Add	382.02	
23 05 16 00-0020 EA 12" Flanged, 150 LB, Stainless Steel Bellows Type Expansion Joint.....	2,871.31	398.79
For 300 LB Rating, Add	518.17	
23 05 16 00-0021 EA 14" Flanged, 150 LB, Stainless Steel Bellows Type Expansion Joint.....	3,528.61	406.13
For 300 LB Rating, Add	679.04	
23 05 16 00-0022 EA 16" Flanged, 150 LB, Stainless Steel Bellows Type Expansion Joint.....	4,704.72	507.66
For 300 LB Rating, Add	923.08	
23 05 16 00-0023 Butt Weld, 150 LB, Stainless Steel Bellows Type Expansion Joints (23 05 16 00-0001)		
Note: Carbon steel ends. Includes internal sleeves and external covers.		
23 05 16 00-0024 EA 1-1/4" Butt Weld, 150 LB, Stainless Steel Bellows Type Expansion Joint.....	675.87	123.13
For 300 LB Rating, Add	107.43	
23 05 16 00-0025 EA 1-1/2" Butt Weld, 150 LB, Stainless Steel Bellows Type Expansion Joint.....	706.13	124.15
For 300 LB Rating, Add	114.45	
23 05 16 00-0026 EA 2" Butt Weld, 150 LB, Stainless Steel Bellows Type Expansion Joint.....	714.65	128.26
For 300 LB Rating, Add	114.47	
23 05 16 00-0027 EA 2-1/2" Butt Weld, 150 LB, Stainless Steel Bellows Type Expansion Joint.....	771.83	139.85
For 300 LB Rating, Add	122.95	
23 05 16 00-0028 EA 3" Butt Weld, 150 LB, Stainless Steel Bellows Type Expansion Joint.....	861.82	164.47
For 300 LB Rating, Add	133.14	
23 05 16 00-0029 EA 4" Butt Weld, 150 LB, Stainless Steel Bellows Type Expansion Joint.....	1,227.61	327.50
For 300 LB Rating, Add	143.32	
23 05 16 00-0030 EA 5" Butt Weld, 150 LB, Stainless Steel Bellows Type Expansion Joint.....	1,489.93	318.41
For 300 LB Rating, Add	213.68	
23 05 16 00-0031 EA 6" Butt Weld, 150 LB, Stainless Steel Bellows Type Expansion Joint.....	1,436.58	352.54
For 300 LB Rating, Add	183.00	
23 05 16 00-0032 EA 8" Butt Weld, 150 LB, Stainless Steel Bellows Type Expansion Joint.....	1,753.30	402.84
For 300 LB Rating, Add	237.20	
23 05 16 00-0033 EA 10" Butt Weld, 150 LB, Stainless Steel Bellows Type Expansion Joint.....	2,212.48	493.56
For 300 LB Rating, Add	306.84	
23 05 16 00-0034 EA 12" Butt Weld, 150 LB, Stainless Steel Bellows Type Expansion Joint.....	2,861.24	598.29
For 300 LB Rating, Add	416.19	
23 05 16 00-0035 EA 14" Butt Weld, 150 LB, Stainless Steel Bellows Type Expansion Joint.....	3,484.74	609.19
For 300 LB Rating, Add	566.52	
23 05 16 00-0036 EA 16" Butt Weld, 150 LB, Stainless Steel Bellows Type Expansion Joint.....	4,603.77	761.49
For 300 LB Rating, Add	770.12	
23 05 17 Sleeves and Sleeve Seals for HVAC Piping (23 05)		
23 05 17 00-0001 Wall Seals And Sleeves (23 05 17)		
Note: Up to 12" walls. Excludes drilling hole.		
23 05 17 00-0002 Ductile Iron Wall Sleeve (23 05 17 00-0001)		
Note: Includes rubber gasket seal.		
23 05 17 00-0003 EA 3" Ductile Iron Wall Sleeve With Rubber Gasket Seal.....	113.87	48.82
23 05 17 00-0004 EA 4" Ductile Iron Wall Sleeve With Rubber Gasket Seal.....	138.61	57.02
23 05 17 00-0005 EA 6" Ductile Iron Wall Sleeve With Rubber Gasket Seal.....	168.71	68.41
23 05 17 00-0006 EA 8" Ductile Iron Wall Sleeve With Rubber Gasket Seal.....	242.73	102.56
23 05 17 00-0007 EA 10" Ductile Iron Wall Sleeve With Rubber Gasket Seal.....	314.98	136.72



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 17 00-0008	EA			12" Ductile Iron Wall Sleeve With Rubber Gasket Seal	389.67	170.97
23 05 17 00-0009				Steel Pipe Sleeves <small>(23 05 17 00-0001)</small>		
				Note: Includes link seals 12" length.		
23 05 17 00-0010	EA			2" Steel Pipe Sleeve With Link Seals.....	115.33	49.34
23 05 17 00-0011	EA			2-1/2" Steel Pipe Sleeve With Link Seals	134.11	53.48
23 05 17 00-0012	EA			3" Steel Pipe Sleeve With Link Seals.....	152.47	57.63
23 05 17 00-0013	EA			4" Steel Pipe Sleeve With Link Seals.....	185.84	69.14
23 05 17 00-0014	EA			6" Steel Pipe Sleeve With Link Seals.....	253.93	86.34
23 05 17 00-0015	EA			10" Steel Pipe Sleeve With Link Seals.....	424.76	103.65
23 05 17 00-0016	EA			13.25" Inside Diameter Steel Pipe Sleeve With Link Seals.....	488.76	129.57
23 05 17 00-0017	EA			17.25" Inside Diameter Steel Pipe Sleeve With Link Seals.....	666.69	159.42
23 05 17 00-0018	EA			23.25" Inside Diameter Steel Pipe Sleeve With Link Seals.....	903.85	207.30
23 05 17 00-0019	EA			29.25" Inside Diameter Steel Pipe Sleeve With Link Seals.....	971.46	259.13
23 05 19 Meters And Gages For HVAC Piping				Meters And Gages For HVAC Piping <small>(23 05)</small>		
23 05 19 00-0001				Thermometers <small>(23 05 19)</small>		
23 05 19 00-0002				Dial Type, Bi-Metal, 4" To 9" Stem, Steel Case, Brass Stem, Thermometers		
				<small>(23 05 19 00-0001)</small>		
				Note: Various ranges.		
23 05 19 00-0003	EA			2" Diameter Dial, Bi-Metal, 4" To 9" Stem, Steel Case, Brass Stem, Thermometer	103.62	35.67
23 05 19 00-0004	EA			2-1/2" Diameter Dial, Bi-Metal, 4" To 9" Stem, Steel Case, Brass Stem, Thermometer	119.86	35.67
23 05 19 00-0005	EA			3-1/2" Diameter Dial, Bi-Metal, 4" To 9" Stem, Steel Case, Brass Stem, Thermometer	119.86	35.67
23 05 19 00-0006				Liquid Filled Industrial Union Connection Type Thermometers <small>(23 05 19 00-0001)</small>		
				Note: Various ranges.		
23 05 19 00-0007	EA			7" Scale, Angle Stem, Liquid Filled Industrial Union Connection Type Thermometer	136.10	35.67
23 05 19 00-0008	EA			9" Scale, Angle Stem, Liquid Filled Industrial Union Connection Type Thermometer.....	136.10	35.67
23 05 19 00-0009	EA			12" Scale, Angle Stem, Liquid Filled Industrial Union Connection Type Thermometer.....	170.06	35.67
23 05 19 00-0010	EA			7" Scale, Straight Stem, Liquid Filled Industrial Union Connection Type Thermometer	140.53	35.67
23 05 19 00-0011	EA			9" Scale, Straight Stem, Liquid Filled Industrial Union Connection Type Thermometer	147.91	35.67
23 05 19 00-0012	EA			12" Scale, Straight Stem, Liquid Filled Industrial Union Connection Type Thermometer.....	174.49	35.67
23 05 19 00-0013				Liquid Filled Industrial Separable Socket Type Thermometers <small>(23 05 19 00-0001)</small>		
				Note: Various ranges. Socket connection for thermowell.		
23 05 19 00-0014	EA			7" Scale, Angle Stem, Liquid Filled Industrial Separable Socket Type Thermometer	136.10	35.67
23 05 19 00-0015	EA			9" Scale, Angle Stem, Liquid Filled Industrial Separable Socket Type Thermometer	136.10	35.67
23 05 19 00-0016	EA			12" Scale, Angle Stem, Liquid Filled Industrial Separable Socket Type Thermometer.....	170.06	35.67
23 05 19 00-0017	EA			7" Scale, Straight Stem, Liquid Filled Industrial Separable Socket Type Thermometer.....	155.30	35.67
23 05 19 00-0018	EA			9" Scale, Straight Stem, Liquid Filled Industrial Separable Socket Type Thermometer.....	170.06	35.67
23 05 19 00-0019	EA			12" Scale, Straight Stem, Liquid Filled Industrial Separable Socket Type Thermometer.....	173.83	35.67
23 05 19 00-0020				1" NPT, 304 Stainless Steel Thermowells <small>(23 05 19 00-0001)</small>		
23 05 19 00-0021	EA			4" Long, 1" NPT, 304 Stainless Steel Thermowell	160.88	66.88
23 05 19 00-0022	EA			8" Long, 1" NPT, 304 Stainless Steel Thermowell	160.82	66.88
23 05 19 00-0023				Pressure Gauges <small>(23 05 19)</small>		
23 05 19 00-0024				Steel Case, 0 To 60 PSI Or 0 To 100 PSI, Pressure Gauges <small>(23 05 19 00-0023)</small>		
23 05 19 00-0025	EA			2" Diameter Dial, Steel Case, 0 To 60 PSI Or 0 To 100 PSI, Pressure Gauge.....	37.32	13.93
23 05 19 00-0026	EA			4" Diameter Dial, Steel Case, 0 To 60 PSI Or 0 To 100 PSI, Pressure Gauge.....	46.03	13.93
23 05 19 00-0027				Aluminum Case, 0 To 60 PSI Or 0 To 100 PSI, Pressure Gauges <small>(23 05 19 00-0023)</small>		
23 05 19 00-0028	EA			3-1/2" Diameter Dial, Aluminum Case, 0 To 60 PSI Or 0 To 100 PSI, Pressure Gauge.....	100.32	13.93
23 05 19 00-0029	EA			4-1/2" Diameter Dial, Aluminum Case, 0 To 60 PSI Or 0 To 100 PSI, Pressure Gauge.....	100.32	13.93
23 05 19 00-0030	EA			6" Diameter Dial, Aluminum Case, 0 To 60 PSI Or 0 To 100 PSI, Pressure Gauge.....	124.93	13.93
23 05 19 00-0031	EA			8-1/2" Diameter Dial, Aluminum Case, 0 To 60 PSI Or 0 To 100 PSI, Pressure Gauge.....	269.84	13.93
23 05 19 00-0032				Brass Case, 0 To 60 PSI Or 0 To 100 PSI, Pressure Gauges <small>(23 05 19 00-0023)</small>		
				Note: Liquid filled.		
23 05 19 00-0033	EA			2-1/2" Diameter Dial, Brass Case, 0 To 60 PSI Or 0 To 100 PSI, Pressure Gauge	86.60	13.93
23 05 19 00-0034	EA			4" Diameter Dial, Brass Case, 0 To 60 PSI Or 0 To 100 PSI, Pressure Gauge.....	180.52	13.93
23 05 19 00-0035				Steel Case, 0 To 10K PSI High Pressure, Pressure Gauges <small>(23 05 19 00-0023)</small>		
23 05 19 00-0036	EA			4-1/2" Diameter Dial, Steel Case, 0 To 10K PSI High Pressure, Pressure Gauge	292.16	13.93
23 05 19 00-0037	EA			6-1/2" Diameter Dial, Steel Case, 0 To 10K PSI High Pressure, Pressure Gauge	292.16	13.93
23 05 19 00-0038	EA			8-1/2" Diameter Dial, Steel Case, 0 To 10K PSI High Pressure, Pressure Gauge	292.16	13.93
23 05 19 00-0039				Gauge Accessories <small>(23 05 19 00-0023)</small>		

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 05 Common Work Results For HVAC****23 05 19 Meters And Gages For HVAC Piping**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 19 00-0040 EA Pete's Plug (Valve Cock For Removable Pressure Gauge Or Thermometer).....	55.60	11.15
23 05 19 00-0041 EA 1/4" Snubber Valve.....	41.74	11.15
23 05 19 00-0042 EA 1/4" Female Pipe Thread, Brass Gauge Cock.....	27.53	16.72
23 05 19 00-0043 EA 1/4" Male Pipe Thread, Brass Gauge Cock.....	25.60	16.72
23 05 19 00-0044 EA 1/4" Pressure Pigtail Steam Siphon.....	27.12	16.72
23 05 19 00-0045 EA 1/4" x 3" Long Black Steel Nipple.....	6.15	5.57
23 05 19 00-0046 EA 1/4" Steel Thread-O-Let.....	66.91	27.87
23 05 19 00-0047 EA 1/4", 300 LB, Black Steel Union.....	39.71	11.15
23 05 19 00-0048 EA 1/4", Black Steel Coupling.....	22.94	11.15
23 05 19 00-0049 EA 1/4", 300 LB, Black Steel Plug.....	13.53	6.68
23 05 19 00-0050 EA 1/4", 150 LB, Black Steel Cap.....	13.74	6.68
23 05 19 00-0051 LF 1/4" Schedule 40, Threaded And Coupled, Black Steel Pipe.....	6.60	
23 05 19 00-0052 LF 1/4" Schedule 80, Plain End, Black Steel Pipe.....	6.57	
23 05 19 00-0053 LF 1/4" Schedule 40, Threaded And Coupled, Galvanized Steel Pipe.....	6.59	
23 05 19 00-0054 EA 1/4" Threaded, 800 LB, Forged Steel, Ball Valve.....	65.66	
23 05 19 00-0055 Valve Lock Covers (23 05 19)		
23 05 19 00-0056 EA Valve Lock Cover.....	57.35	17.06
23 05 19 00-0057 Venturi Flowmeters (23 05 19)		
23 05 19 00-0058 Threaded, Brass, Venturi Flowmeters (23 05 19 00-0057)		
23 05 19 00-0059 EA 3/4" Threaded, Brass, Venturi Flowmeter.....	174.05	75.79
For Portable Venturi Flow Meter, Add	995.00	
23 05 19 00-0060 EA 1" Threaded, Brass, Venturi Flowmeter.....	197.47	90.95
For Portable Venturi Flow Meter, Add	995.00	
23 05 19 00-0061 EA 1-1/4" Threaded, Brass, Venturi Flowmeter.....	218.35	101.10
For Portable Venturi Flow Meter, Add	995.00	
23 05 19 00-0062 EA 1-1/2" Threaded, Brass, Venturi Flowmeter.....	245.95	113.69
For Portable Venturi Flow Meter, Add	995.00	
23 05 19 00-0063 EA 2" Threaded, Brass, Venturi Flowmeter.....	288.87	129.97
For Portable Venturi Flow Meter, Add	995.00	
23 05 19 00-0064 EA 2-1/2" Threaded, Brass, Venturi Flowmeter.....	383.60	162.60
For Portable Venturi Flow Meter, Add	995.00	
23 05 19 00-0065 Butt Weld, Carbon Steel, Venturi Flowmeters (23 05 19 00-0057)		
23 05 19 00-0066 EA 3" Butt Weld, Carbon Steel, Venturi Flowmeter.....	673.63	155.47
For Portable Venturi Flow Meter, Add	995.00	
For Flanged Ends, Add	126.93	
23 05 19 00-0067 EA 4" Butt Weld, Carbon Steel, Venturi Flowmeter.....	892.97	186.57
For Portable Venturi Flow Meter, Add	995.00	
For Flanged Ends, Add	181.94	
23 05 19 00-0068 EA 5" Butt Weld, Carbon Steel, Venturi Flowmeter.....	1,155.50	233.22
For Portable Venturi Flow Meter, Add	995.00	
For Flanged Ends, Add	241.17	
23 05 19 00-0069 EA 6" Butt Weld, Carbon Steel, Venturi Flowmeter.....	1,419.77	310.96
For Portable Venturi Flow Meter, Add	995.00	
For Flanged Ends, Add	279.25	
23 05 19 00-0070 EA 8" Butt Weld, Carbon Steel, Venturi Flowmeter.....	1,967.28	373.14
For Portable Venturi Flow Meter, Add	995.00	
For Flanged Ends, Add	427.35	
23 05 19 00-0071 EA 10" Butt Weld, Carbon Steel, Venturi Flowmeter.....	3,024.26	466.43
For Portable Venturi Flow Meter, Add	995.00	
For Flanged Ends, Add	731.99	
23 05 19 00-0072 EA 12" Butt Weld, Carbon Steel, Venturi Flowmeter.....	4,371.40	602.04
For Portable Venturi Flow Meter, Add	995.00	
For Flanged Ends, Add	1,108.56	
23 05 19 00-0073 EA 14" Butt Weld, Carbon Steel, Venturi Flowmeter.....	6,206.52	903.07
For Portable Venturi Flow Meter, Add	995.00	
For Flanged Ends, Add	1,540.14	
23 05 19 00-0074 EA 16" Butt Weld, Carbon Steel, Venturi Flowmeter.....	8,837.10	1,003.40
For Portable Venturi Flow Meter, Add	995.00	
For Flanged Ends, Add	2,390.60	
23 05 19 00-0075 Turbine Flowmeter (23 05 19)		
23 05 19 00-0076 EA Saddle Mount Turbine Flowmeter.....	441.34	83.60
23 05 19 00-0077 Sight Flow Indicator (23 05 19)		
23 05 19 00-0078 Threaded, Single Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (23 05 19 00-0077)		
23 05 19 00-0079 EA 1/4" Threaded, Single Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-100).....	101.69	16.22
23 05 19 00-0080 EA 3/8" Threaded, Single Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-100).....	106.34	17.07
23 05 19 00-0081 EA 1/2" Threaded, Single Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-100).....	114.58	17.94



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 19 00-0082 EA 3/4" Threaded, Single Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-100).....	131.78	24.18
23 05 19 00-0083 EA 1" Threaded, Single Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-100).....	157.82	29.30
23 05 19 00-0084 EA 1-1/4" Threaded, Single Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-100).....	182.26	37.10
23 05 19 00-0085 EA 1-1/2" Threaded, Single Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-100).....	250.02	42.90
23 05 19 00-0086 EA 2" Threaded, Single Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-100).....	279.69	50.70
23 05 19 00-0087 Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (23 05 19 00-0077)		
23 05 19 00-0088 EA 1/4" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-300).....	128.10	16.22
23 05 19 00-0089 EA 3/8" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-300).....	132.16	17.07
23 05 19 00-0090 EA 1/2" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-300).....	142.16	17.94
23 05 19 00-0091 EA 3/4" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-300).....	155.25	24.18
23 05 19 00-0092 EA 1" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-300).....	167.79	29.30
23 05 19 00-0093 EA 1-1/4" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-300).....	186.37	37.10
23 05 19 00-0094 EA 1-1/2" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-300).....	329.83	42.90
23 05 19 00-0095 EA 2" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-300).....	357.14	50.70
23 05 19 00-0096 Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Stainless Steel Body, Sight Flow Indicator (23 05 19 00-0077)		
23 05 19 00-0097 EA 1/4" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-300SS).....	179.15	16.22
23 05 19 00-0098 EA 3/8" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-300SS).....	189.08	17.07
23 05 19 00-0099 EA 1/2" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-300SS).....	204.95	17.94
23 05 19 00-0100 EA 3/4" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-300SS).....	226.84	24.18
23 05 19 00-0101 EA 1" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-300SS).....	261.68	29.30
23 05 19 00-0102 EA 1-1/4" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-300SS).....	282.02	37.10
23 05 19 00-0103 EA 1-1/2" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-300SS).....	541.08	42.90
23 05 19 00-0104 EA 2" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-300SS).....	574.26	50.70
23 05 19 00-0105 Threaded, Double Window, 304SS Flapper, Bronze Body, Sight Flow Indicators (23 05 19 00-0077)		
23 05 19 00-0106 EA 1/4" Threaded, Double Window, 304SS Flapper, Bronze Body, Sight Flow Indicator (Dwyer SFI-360).....	126.34	16.22
23 05 19 00-0107 EA 3/8" Threaded, Double Window, 304SS Flapper, Bronze Body, Sight Flow Indicator (Dwyer SFI-360).....	131.57	17.07
23 05 19 00-0108 EA 1/2" Threaded, Double Window, 304SS Flapper, Bronze Body, Sight Flow Indicator (Dwyer SFI-360).....	139.23	17.94
23 05 19 00-0109 EA 3/4" Threaded, Double Window, 304SS Flapper, Bronze Body, Sight Flow Indicator (Dwyer SFI-360).....	154.66	24.18
23 05 19 00-0110 EA 1" Threaded, Double Window, 304SS Flapper, Bronze Body, Sight Flow Indicator (Dwyer SFI-360).....	167.21	29.30
23 05 19 00-0111 EA 1-1/4" Threaded, Double Window, 304SS Flapper, Bronze Body, Sight Flow Indicator (Dwyer SFI-360).....	186.37	37.10
23 05 19 00-0112 EA 1-1/2" Threaded, Double Window, 304SS Flapper, Bronze Body, Sight Flow Indicator (Dwyer SFI-360).....	326.31	42.90
23 05 19 00-0113 EA 2" Threaded, Double Window, 304SS Flapper, Bronze Body, Sight Flow Indicator (Dwyer SFI-360).....	352.45	50.70
23 05 19 00-0114 Threaded, Double Window, 304SS Flapper, Stainless Steel Body, Sight Flow Indicators (23 05 19 00-0077)		
23 05 19 00-0115 EA 1/4" Threaded, Double Window, 304SS Flapper, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-360SS).....	177.98	16.22
23 05 19 00-0116 EA 3/8" Threaded, Double Window, 304SS Flapper, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-360SS).....	191.42	17.07
23 05 19 00-0117 EA 1/2" Threaded, Double Window, 304SS Flapper, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-360SS).....	208.47	17.94
23 05 19 00-0118 EA 3/4" Threaded, Double Window, 304SS Flapper, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-360SS).....	226.84	24.18
23 05 19 00-0119 EA 1" Threaded, Double Window, 304SS Flapper, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-360SS).....	261.68	29.30
23 05 19 00-0120 EA 1-1/4" Threaded, Double Window, 304SS Flapper, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-360SS).....	284.36	37.10
23 05 19 00-0121 EA 1-1/2" Threaded, Double Window, 304SS Flapper, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-360SS).....	541.08	42.90
23 05 19 00-0122 EA 2" Threaded, Double Window, 304SS Flapper, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-360SS).....	574.26	50.70
23 05 19 00-0123 Threaded, Tube Style, Without Impeller, Cast Iron Body, Sight Flow Indicators (23 05 19 00-0077)		
23 05 19 00-0124 EA 1" Threaded, Tube Style, Without Impeller, Cast Iron Body, Sight Flow Indicator (Dwyer SFI-400).....	266.38	29.30
23 05 19 00-0125 EA 1-1/4" Threaded, Tube Style, Without Impeller, Cast Iron Body, Sight Flow Indicator (Dwyer SFI-400).....	303.14	37.10
23 05 19 00-0126 EA 1-1/2" Threaded, Tube Style, Without Impeller, Cast Iron Body, Sight Flow Indicator (Dwyer SFI-400).....	345.09	42.90

23 Heating, Ventilating, And Air-Conditioning (HVAC)

23 05 Common Work Results For HVAC

23 05 19 Meters And Gages For HVAC Piping



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 19 00-0127 EA 2" Threaded, Tube Style, Without Impeller, Cast Iron Body, Sight Flow Indicator (Dwyer SFI-400)	390.01	50.70
23 05 19 00-0128 Flanged, Double Window, 316SS Flapper, Carbon Steel Body, Sight Flow Indicators <small>(23 05 19 00-0077)</small>		
23 05 19 00-0129 EA 1-1/2" Flanged, Double Window, 316SS Flapper, Carbon Steel Body, Sight Flow Indicator (Dwyer SFI-360FCS)	594.06	117.01
23 05 19 00-0130 EA 2" Flanged, Double Window, 316SS Flapper, Carbon Steel Body, Sight Flow Indicator (Dwyer SFI-360FCS)	673.06	148.54
23 05 19 00-0131 EA 3" Flanged, Double Window, 316SS Flapper, Carbon Steel Body, Sight Flow Indicator (Dwyer SFI-360FCS)	967.27	174.36
23 05 19 00-0132 EA 4" Flanged, Double Window, 316SS Flapper, Carbon Steel Body, Sight Flow Indicator (Dwyer SFI-360FCS)	1,475.64	292.30
23 05 19 00-0133 EA 6" Flanged, Double Window, 316SS Flapper, Carbon Steel Body, Sight Flow Indicator (Dwyer SFI-360FCS)	2,350.31	375.93
23 05 19 00-0134 Flanged, Tube Style, Without Impeller, Stainless Steel Body, Sight Flow Indicators <small>(23 05 19 00-0077)</small>		
23 05 19 00-0135 EA 1" Flanged, Tube Style, Without Impeller, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-400F)	452.52	83.57
23 05 19 00-0136 EA 1-1/4" Flanged, Tube Style, Without Impeller, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-400F)	533.06	97.50
23 05 19 00-0137 EA 1-1/2" Flanged, Tube Style, Without Impeller, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-400F)	582.03	117.01
23 05 19 00-0138 EA 2" Flanged, Tube Style, Without Impeller, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-400F)	730.27	148.54
23 05 19 00-0139 EA 3" Flanged, Tube Style, Without Impeller, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-400F)	1,037.39	174.36
23 05 19 00-0140 EA 4" Flanged, Tube Style, Without Impeller, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-400F)	1,551.63	292.30
23 05 19 00-0141 Water Flow Switches <small>(23 05 19)</small>		
23 05 19 00-0142 EA Flexible Paddle, Single Switch, Brass Body, Water Flow Switch (Taco IFS01BF-1)	184.74	32.84
23 05 19 00-0143 EA Rigid Paddle, Single Switch, Brass Body, Water Flow Switch (Taco IFS01BR-1)	190.05	32.84
23 05 19 00-0144 EA Flexible Paddle, Double Switch, Brass Body, Water Flow Switch (Taco IFS02BF-1)	234.89	32.84
23 05 19 00-0145 EA Rigid Paddle, Double Switch, Brass Body, Water Flow Switch (Taco IFS02BR-1)	241.68	32.84
23 05 19 00-0146 EA Flexible Paddle, High Current Single Switch, Brass Body, Water Flow Switch (Taco IFSH1BF-1)	196.84	32.84
23 05 19 00-0147 EA Rigid Paddle, High Current Single Switch, Brass Body, Water Flow Switch (Taco IFSH1BR-1)	203.03	32.84
23 05 19 00-0148 EA Flexible Paddle, High Current Double Switch, Brass Body, Water Flow Switch (Taco IFSH2BF-1)	246.99	32.84
23 05 19 00-0149 EA Rigid Paddle, High Current Double Switch, Brass Body, Water Flow Switch (Taco IFSH2BR-1)	253.18	32.84
23 05 19 00-0150 EA Flexible Paddle, Single Switch, 316 Stainless Steel Body, Water Flow Switch (Taco IFS01SF-1)	452.58	32.84
23 05 19 00-0151 EA Rigid Paddle, Single Switch, 316 Stainless Steel Body, Water Flow Switch (Taco IFS01SR-1)	458.58	32.84
23 05 19 00-0152 EA Flexible Paddle, Double Switch, 316 Stainless Steel Body, Water Flow Switch (Taco IFS02SF-1)	515.58	32.84
23 05 19 00-0153 EA Rigid Paddle, Double Switch, 316 Stainless Steel Body, Water Flow Switch (Taco IFS02SR-1)	523.83	32.84
23 05 19 00-0154 EA Flexible Paddle, High Current Single Switch, 316 Stainless Steel Body, Water Flow Switch (Taco IFSH1SF-1)	466.83	32.84
23 05 19 00-0155 EA Rigid Paddle, High Current Single Switch, 316 Stainless Steel Body, Water Flow Switch (Taco IFSH1SR-1)	475.08	32.84
23 05 19 00-0156 EA Flexible Paddle, High Current Double Switch, 316 Stainless Steel Body, Water Flow Switch (Taco IFSH2SF-1)	529.83	32.84
23 05 19 00-0157 EA Rigid Paddle, High Current Double Switch, 316 Stainless Steel Body, Water Flow Switch (Taco IFSH2SR-1)	538.83	32.84
23 05 23 General-Duty Valves For HVAC Piping <small>(23 05)</small>		
23 05 23 00-0001 Gate Valves <small>(23 05 23)</small>		
23 05 23 00-0002 125 LB Threaded, Brazed Or Soldered Bronze Gate Valves <small>(23 05 23 00-0001)</small>		
Note: 125 psi steam, basic rating. 200 psi cold working pressure. Class 125 (threaded).		
23 05 23 00-0003 EA 1/4" 125 LB Threaded, Brazed Or Soldered Bronze Gate Valve	44.05	11.14
For Work In Restricted Working Space, Add	9.74	
For 150 LB Rating, Add	1.16	
For 200 LB Rating, Add	1.74	
For 250 LB Rating, Add	2.90	
For 300 LB Rating, Add	4.06	
23 05 23 00-0004 EA 3/8" 125 LB Threaded, Brazed Or Soldered Bronze Gate Valve	45.76	11.14
For Work In Restricted Working Space, Add	10.25	
For 150 LB Rating, Add	1.16	
For 200 LB Rating, Add	1.74	
For 250 LB Rating, Add	2.90	
For 300 LB Rating, Add	4.06	
23 05 23 00-0005 EA 1/2" 125 LB Threaded, Brazed Or Soldered Bronze Gate Valve	47.55	11.14
For Work In Restricted Working Space, Add	10.79	
For 150 LB Rating, Add	1.16	
For 200 LB Rating, Add	1.74	
For 250 LB Rating, Add	2.90	
For 300 LB Rating, Add	4.06	
23 05 23 00-0006 EA 3/4" 125 LB Threaded, Brazed Or Soldered Bronze Gate Valve	62.29	12.26
For Work In Restricted Working Space, Add	14.54	
For 150 LB Rating, Add	1.38	
For 200 LB Rating, Add	2.08	
For 250 LB Rating, Add	3.46	
For 300 LB Rating, Add	4.84	
23 05 23 00-0007 EA 1" 125 LB Threaded, Brazed Or Soldered Bronze Gate Valve	79.56	13.93
For Work In Restricted Working Space, Add	17.60	
For 150 LB Rating, Add	2.09	
For 200 LB Rating, Add	3.14	
For 250 LB Rating, Add	5.23	
For 300 LB Rating, Add	7.32	
23 05 23 00-0008 EA 1-1/4" 125 LB Threaded, Brazed Or Soldered Bronze Gate Valve	102.48	14.82
For Work In Restricted Working Space, Add	22.29	
For 150 LB Rating, Add	2.82	
For 200 LB Rating, Add	4.23	
For 250 LB Rating, Add	7.05	
For 300 LB Rating, Add	9.87	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0009 EA 1-1/2" 125 LB Threaded, Brazed Or Soldered Bronze Gate Valve <i>For Work In Restricted Working Space, Add</i> <i>For 150 LB Rating, Add</i> <i>For 200 LB Rating, Add</i> <i>For 250 LB Rating, Add</i> <i>For 300 LB Rating, Add</i>	121.25 25.72 3.55 5.33 8.88 12.44	17.16
23 05 23 00-0010 EA 2" 125 LB Threaded, Brazed Or Soldered Bronze Gate Valve <i>For Work In Restricted Working Space, Add</i> <i>For 150 LB Rating, Add</i> <i>For 200 LB Rating, Add</i> <i>For 250 LB Rating, Add</i> <i>For 300 LB Rating, Add</i>	149.84 30.39 4.85 7.28 12.14 16.99	20.28
23 05 23 00-0011 EA 2-1/2" 125 LB Threaded, Brazed Or Soldered Bronze Gate Valve <i>For Work In Restricted Working Space, Add</i> <i>For 150 LB Rating, Add</i> <i>For 200 LB Rating, Add</i> <i>For 250 LB Rating, Add</i> <i>For 300 LB Rating, Add</i> <i>For Chain Operated Type, Add</i>	275.19 41.03 13.84 20.77 34.61 48.45 62.30	27.38
23 05 23 00-0012 EA 3" 125 LB Threaded, Brazed Or Soldered Bronze Gate Valve <i>For Work In Restricted Working Space, Add</i> <i>For 150 LB Rating, Add</i> <i>For 200 LB Rating, Add</i> <i>For 250 LB Rating, Add</i> <i>For 300 LB Rating, Add</i> <i>For Chain Operated Type, Add</i>	323.28 47.34 16.55 24.82 41.37 57.92 74.47	31.80
23 05 23 00-0013 EA 4" 125 LB Threaded, Brazed Or Soldered Bronze Gate Valve <i>For Work In Restricted Working Space, Add</i> <i>For 150 LB Rating, Add</i> <i>For 200 LB Rating, Add</i> <i>For 250 LB Rating, Add</i> <i>For 300 LB Rating, Add</i> <i>For Chain Operated Type, Add</i>	573.72 53.84 39.42 59.14 98.56 137.98 177.41	35.90
23 05 23 00-0014 Class 125 Non Rising Stem, Threaded, Cast Iron Body, Bronze Trim Gate Valves <small>(23 05 23 00-0001)</small> Note: 125 psi steam, basic rating. 200 psi cold working pressure.		
23 05 23 00-0015 EA 1-1/2" Class 125 Non Rising Stem, Threaded, Cast Iron Body, Bronze Trim Gate Valve..... <i>For Work In Restricted Working Space, Add</i> <i>For 150 LB Rating, Add</i> <i>For 250 LB Rating, Add</i> <i>For Chain Operated Type, Add</i>	116.04 25.72 6.06 10.61 10.61	17.16
23 05 23 00-0016 EA 2" Class 125 Non Rising Stem, Threaded, Cast Iron Body, Bronze Trim Gate Valve..... <i>For Work In Restricted Working Space, Add</i> <i>For 150 LB Rating, Add</i> <i>For 250 LB Rating, Add</i> <i>For Chain Operated Type, Add</i>	217.09 30.39 23.16 40.53 40.53	20.28
23 05 23 00-0017 EA 2-1/2" Class 125 Non Rising Stem, Threaded, Cast Iron Body, Bronze Trim Gate Valve..... <i>For Work In Restricted Working Space, Add</i> <i>For 150 LB Rating, Add</i> <i>For 250 LB Rating, Add</i> <i>For Chain Operated Type, Add</i>	310.89 41.03 34.83 60.95 60.95	27.38
23 05 23 00-0018 EA 3" Class 125 Non Rising Stem, Threaded, Cast Iron Body, Bronze Trim Gate Valve..... <i>For Work In Restricted Working Space, Add</i> <i>For 150 LB Rating, Add</i> <i>For 250 LB Rating, Add</i> <i>For Chain Operated Type, Add</i>	386.28 47.34 45.70 79.97 79.97	31.80
23 05 23 00-0019 EA 4" 125 LB Non Rising Stem, Threaded, Cast Iron Body, Bronze Trim Gate Valve <i>For Work In Restricted Working Space, Add</i> <i>For 150 LB Rating, Add</i> <i>For 250 LB Rating, Add</i> <i>For Chain Operated Type, Add</i>	794.54 53.84 123.01 215.27 215.27	35.90
23 05 23 00-0020 Class 125 Non Rising Stem, Flanged, Cast Iron Body, Bronze Trim Gate Valves <small>(23 05 23 00-0001)</small> Note: 125 psi steam, basic rating. 200 psi cold working pressure.		
23 05 23 00-0021 EA 1-1/2" Class 125 Non Rising Stem, Flanged, Cast Iron Body, Bronze Trim Gate Valve <i>For Work In Restricted Working Space, Add</i> <i>For 150 LB Rating, Add</i> <i>For 250 LB Rating, Add</i> <i>For 300 LB Rating, ASTM A182, Add</i> <i>For Chain Operated Type, Add</i>	307.28 43.99 46.59 80.33 233.97 80.33	117.01
23 05 23 00-0022 EA 2" Class 125 Non Rising Stem, Flanged, Cast Iron Body, Bronze Trim Gate Valve <i>For Work In Restricted Working Space, Add</i> <i>For 150 LB Rating, Add</i> <i>For 250 LB Rating, Add</i> <i>For 300 LB Rating, ASTM A182, Add</i> <i>For Chain Operated Type, Add</i>	353.75 55.72 48.73 84.02 260.89 84.02	148.54

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 05 Common Work Results For HVAC****23 05 23 General-Duty Valves For HVAC Piping**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0023 EA 2-1/2" Class 125 Non Rising Stem, Flanged, Cast Iron Body, Bronze Trim Gate Valve.....	388.07	148.71
For Work In Restricted Working Space, Add	55.94	
For 150 LB Rating, Add	58.46	
For 250 LB Rating, Add	100.80	
For 300 LB Rating, ASTM A182, Add	294.84	
For Chain Operated Type, Add	100.80	
23 05 23 00-0024 EA 3" Class 125 Non Rising Stem, Flanged, Cast Iron Body, Bronze Trim Gate Valve	470.21	174.36
For Work In Restricted Working Space, Add	65.47	
For 150 LB Rating, Add	73.08	
For 250 LB Rating, Add	126.00	
For 300 LB Rating, ASTM A182, Add	361.10	
For Chain Operated Type, Add	126.00	
23 05 23 00-0025 EA 4" Class 125 Non Rising Stem, Flanged, Cast Iron Body, Bronze Trim Gate Valve	702.30	292.30
For Work In Restricted Working Space, Add	109.89	
For 150 LB Rating, Add	97.44	
For 250 LB Rating, Add	168.01	
For 300 LB Rating, ASTM A182, Add	519.16	
For Chain Operated Type, Add	168.01	
23 05 23 00-0026 EA 5" Class 125 Non Rising Stem, Flanged, Cast Iron Body, Bronze Trim Gate Valve	861.20	338.33
For Work In Restricted Working Space, Add	127.33	
For 150 LB Rating, Add	126.66	
For 250 LB Rating, Add	218.39	
For 300 LB Rating, ASTM A182, Add	648.99	
For Chain Operated Type, Add	218.39	
23 05 23 00-0027 EA 6" Class 125 Non Rising Stem, Flanged, Cast Iron Body, Bronze Trim Gate Valve	1,007.41	375.93
For Work In Restricted Working Space, Add	140.97	
For 150 LB Rating, Add	155.88	
For 250 LB Rating, Add	268.75	
For 300 LB Rating, ASTM A182, Add	772.46	
For Chain Operated Type, Add	268.75	
23 05 23 00-0028 EA 8" Class 125 Non Rising Stem, Flanged, Cast Iron Body, Bronze Trim Gate Valve	1,427.41	432.32
For Work In Restricted Working Space, Add	161.11	
For 150 LB Rating, Add	258.21	
For 250 LB Rating, Add	445.19	
For 300 LB Rating, ASTM A182, Add	1,158.90	
For Chain Operated Type, Add	445.19	
23 05 23 00-0029 EA 10" Class 125 Non Rising Stem, Flanged, Cast Iron Body, Bronze Trim Gate Valve	1,833.76	526.30
For Work In Restricted Working Space, Add	197.36	
For 150 LB Rating, Add	341.01	
For 250 LB Rating, Add	587.95	
For 300 LB Rating, ASTM A182, Add	1,504.83	
For Chain Operated Type, Add	587.95	
23 05 23 00-0030 EA 12" Class 125 Non Rising Stem, Flanged, Cast Iron Body, Bronze Trim Gate Valve	2,477.35	639.08
For Work In Restricted Working Space, Add	239.23	
For 150 LB Rating, Add	487.18	
For 250 LB Rating, Add	839.97	
For 300 LB Rating, ASTM A182, Add	2,078.64	
For Chain Operated Type, Add	839.97	
23 05 23 00-0031 Class 125 Outside Stem And Yoke, Threaded, Cast Iron Body, Bronze Trim Gate Valves <small>(23 05 23 00-0001)</small>		
Note: 125 psi steam, basic rating. 200 psi cold working pressure.		
23 05 23 00-0032 EA 1-1/2" 125 LB Outside Stem And Yoke, Threaded, Cast Iron Body, Bronze Trim Gate Valve.....	253.69	17.16
For Work In Restricted Working Space, Add	25.72	
For 175 LB Rating, Add	83.99	
For 250 LB Rating, Add	125.98	
23 05 23 00-0033 EA 2" 125 LB Outside Stem And Yoke, Threaded, Cast Iron Body, Bronze Trim Gate Valve.....	318.44	20.28
For Work In Restricted Working Space, Add	30.39	
For 175 LB Rating, Add	108.57	
For 250 LB Rating, Add	162.86	
23 05 23 00-0034 EA 2-1/2" 125 LB Outside Stem And Yoke, Threaded, Cast Iron Body, Bronze Trim Gate Valve.....	381.60	27.38
For Work In Restricted Working Space, Add	41.03	
For 175 LB Rating, Add	122.43	
For 250 LB Rating, Add	183.64	
23 05 23 00-0035 EA 3" 125 LB Outside Stem And Yoke, Threaded, Cast Iron Body, Bronze Trim Gate Valve.....	427.96	31.80
For Work In Restricted Working Space, Add	47.34	
For 175 LB Rating, Add	135.09	
For 250 LB Rating, Add	202.63	
23 05 23 00-0036 EA 4" 125 LB Outside Stem And Yoke, Threaded, Cast Iron Body, Bronze Trim Gate Valve.....	552.54	35.90
For Work In Restricted Working Space, Add	53.84	
For 175 LB Rating, Add	186.53	
For 250 LB Rating, Add	279.80	
23 05 23 00-0037 Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valves <small>(23 05 23 00-0001)</small>		
Note: 125 psi steam, basic rating. 200 psi cold working pressure for up to 12". 100 psi steam, basic rating. 150 psi cold working pressure for >12" to 24". 50 psi steam, basic rating. 150 psi cold working pressure for >24".		
23 05 23 00-0038 EA 1-1/2" Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve.....	378.23	117.01
For Work In Restricted Working Space, Add	43.99	
For 150 LB Rating, Add	34.74	
For 175 LB Rating, Add	71.80	
For 250 LB Rating, Add	150.55	
For Chain Operated Type, Add	115.81	



Heating, Ventilating, And Air-Conditioning (HVAC)	23
Common Work Results For HVAC	23 05
General-Duty Valves For HVAC Piping	23 05 23

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0039 EA 2" Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve.....	424.21	148.54
For Work In Restricted Working Space, Add	55.72	
For 150 LB Rating, Add	35.77	
For 175 LB Rating, Add	73.93	
For 250 LB Rating, Add	155.02	
For Chain Operated Type, Add	119.25	
23 05 23 00-0040 EA 2-1/2" Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve.....	432.75	148.71
For Work In Restricted Working Space, Add	55.94	
For 150 LB Rating, Add	36.94	
For 175 LB Rating, Add	76.35	
For 250 LB Rating, Add	160.08	
For Chain Operated Type, Add	123.14	
23 05 23 00-0041 EA 3" Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve.....	489.19	174.36
For Work In Restricted Working Space, Add	65.47	
For 150 LB Rating, Add	40.65	
For 175 LB Rating, Add	84.00	
For 250 LB Rating, Add	176.13	
For Chain Operated Type, Add	135.49	
23 05 23 00-0042 EA 4" Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve.....	694.90	292.30
For Work In Restricted Working Space, Add	109.89	
For 150 LB Rating, Add	49.29	
For 175 LB Rating, Add	101.87	
For 250 LB Rating, Add	213.60	
For Chain Operated Type, Add	164.31	
23 05 23 00-0043 EA 5" Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve.....	882.92	338.33
For Work In Restricted Working Space, Add	127.33	
For 150 LB Rating, Add	68.77	
For 175 LB Rating, Add	142.13	
For 250 LB Rating, Add	298.02	
For Chain Operated Type, Add	229.25	
23 05 23 00-0044 EA 6" Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve.....	993.52	375.93
For Work In Restricted Working Space, Add	140.97	
For 150 LB Rating, Add	78.54	
For 175 LB Rating, Add	162.32	
For 250 LB Rating, Add	340.35	
For Chain Operated Type, Add	261.81	
23 05 23 00-0045 EA 8" Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve.....	1,422.60	432.32
For Work In Restricted Working Space, Add	161.11	
For 150 LB Rating, Add	132.84	
For 175 LB Rating, Add	274.53	
For 250 LB Rating, Add	575.62	
For Chain Operated Type, Add	442.79	
23 05 23 00-0046 EA 10" Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve.....	2,020.76	526.30
For Work In Restricted Working Space, Add	197.36	
For 150 LB Rating, Add	204.43	
For 175 LB Rating, Add	422.50	
For 250 LB Rating, Add	885.88	
For Chain Operated Type, Add	681.45	
23 05 23 00-0047 EA 12" Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve.....	2,524.76	639.08
For Work In Restricted Working Space, Add	239.23	
For 150 LB Rating, Add	259.10	
For 175 LB Rating, Add	535.48	
For 250 LB Rating, Add	1,122.77	
For Chain Operated Type, Add	863.67	
23 05 23 00-0048 EA 14" Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve.....	4,673.67	742.58
For Work In Restricted Working Space, Add	297.04	
For 150 LB Rating, Add	552.53	
For 175 LB Rating, Add	1,141.90	
For 250 LB Rating, Add	2,394.31	
23 05 23 00-0049 EA 16" Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve.....	5,988.62	871.30
For Work In Restricted Working Space, Add	326.74	
For 150 LB Rating, Add	734.92	
For 175 LB Rating, Add	1,518.84	
For 250 LB Rating, Add	3,184.67	
23 05 23 00-0050 EA 18" Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve.....	8,069.51	970.31
For Work In Restricted Working Space, Add	363.04	
For 150 LB Rating, Add	1,028.91	
For 175 LB Rating, Add	2,126.40	
For 250 LB Rating, Add	4,458.59	
23 05 23 00-0051 EA 20" Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve.....	10,179.25	1,089.13
For Work In Restricted Working Space, Add	408.42	
For 150 LB Rating, Add	1,322.68	
For 175 LB Rating, Add	2,733.53	
For 250 LB Rating, Add	5,731.60	
23 05 23 00-0052 EA 24" Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve.....	13,839.99	1,336.66
For Work In Restricted Working Space, Add	502.68	
For 150 LB Rating, Add	1,824.66	
For 175 LB Rating, Add	3,770.96	
For 250 LB Rating, Add	7,906.86	
23 05 23 00-0053 EA 30" Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve.....	28,572.17	2,178.25
For Work In Restricted Working Space, Add	816.85	
For 150 LB Rating, Add	3,877.40	
For 175 LB Rating, Add	8,013.30	
For 250 LB Rating, Add	16,802.08	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 05 Common Work Results For HVAC****23 05 23 General-Duty Valves For HVAC Piping**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0054 EA 36" Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve.....	36,474.31	2,970.35
For Work In Restricted Working Space, Add	1,089.13	
For 150 LB Rating, Add	4,926.58	
For 175 LB Rating, Add	10,181.60	
For 250 LB Rating, Add	21,348.52	
23 05 23 00-0055 EA 42" Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve.....	43,763.50	4,356.51
For Work In Restricted Working Space, Add	1,633.69	
For 150 LB Rating, Add	5,747.68	
For 175 LB Rating, Add	11,878.54	
For 250 LB Rating, Add	24,906.61	
23 05 23 00-0056 EA 48" Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve.....	52,761.44	5,445.64
For Work In Restricted Working Space, Add	2,042.11	
For 150 LB Rating, Add	6,893.16	
For 175 LB Rating, Add	14,245.86	
For 250 LB Rating, Add	29,870.36	
23 05 23 00-0057 EA 54" Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve.....	63,321.92	6,534.76
For Work In Restricted Working Space, Add	2,452.99	
For 150 LB Rating, Add	8,271.79	
For 175 LB Rating, Add	17,095.04	
For 250 LB Rating, Add	35,844.43	
23 05 23 00-0058 Class 800 Outside Stem And Yoke, Threaded, Forged Steel, Chrome Trim, Bolted Bonnet Gate Valves (23 05 23 00-0001)		
Note: 800 psig at 850 degrees F.		
23 05 23 00-0059 EA 1/4" Class 800 Outside Stem And Yoke, Threaded, Forged Steel, Chrome Trim, Bolted Bonnet Gate Valve.....	80.59	17.94
For Work In Restricted Working Space, Add	9.74	
23 05 23 00-0060 EA 1/2" Class 800 Outside Stem And Yoke, Threaded, Forged Steel, Chrome Trim, Bolted Bonnet Gate Valve.....	84.09	17.94
For Work In Restricted Working Space, Add	10.79	
23 05 23 00-0061 EA 3/4" Class 800 Outside Stem And Yoke, Threaded, Forged Steel, Chrome Trim, Bolted Bonnet Gate Valve.....	103.05	24.18
For Work In Restricted Working Space, Add	14.54	
23 05 23 00-0062 EA 1" Class 800 Outside Stem And Yoke, Threaded, Forged Steel, Chrome Trim, Bolted Bonnet Gate Valve.....	124.99	29.30
For Work In Restricted Working Space, Add	17.60	
23 05 23 00-0063 EA 1-1/4" Class 800 Outside Stem And Yoke, Threaded, Forged Steel, Chrome Trim, Bolted Bonnet Gate Valve.....	181.32	37.10
For Work In Restricted Working Space, Add	22.29	
23 05 23 00-0064 EA 1-1/2" Class 800 Outside Stem And Yoke, Threaded, Forged Steel, Chrome Trim, Bolted Bonnet Gate Valve.....	213.11	42.90
For Work In Restricted Working Space, Add	25.72	
23 05 23 00-0065 EA 2" Class 800 Outside Stem And Yoke, Threaded, Forged Steel, Chrome Trim, Bolted Bonnet Gate Valve.....	263.91	50.70
For Work In Restricted Working Space, Add	30.39	
23 05 23 00-0066 Ball Valves (23 05 23)		
See CSI section 23 23 13 00-0000 for refrigeration valves.		
23 05 23 00-0067 Threaded Or Sweated, 125 LB, Regular Port, Carbon Steel Trim, Brass Body, Ball Valves (23 05 23 00-0066)		
Note: 125 LB WSP.		
23 05 23 00-0068 EA 1/2" Threaded Or Sweated, 125 LB, Regular Port, Carbon Steel Trim, Brass Body, Ball Valve.....	41.33	11.14
For Extension Stems And Sleeves On Insulated Pipe, Add	2.63	
For Full Port, Add	2.42	
For Work In Restricted Working Space, Add	10.79	
23 05 23 00-0069 EA 3/4" Threaded Or Sweated, 125 LB, Regular Port, Carbon Steel Trim, Brass Body, Ball Valve.....	56.72	12.26
For Extension Stems And Sleeves On Insulated Pipe, Add	2.63	
For Full Port, Add	3.72	
For Work In Restricted Working Space, Add	14.54	
23 05 23 00-0070 EA 1" Threaded Or Sweated, 125 LB, Regular Port, Carbon Steel Trim, Brass Body, Ball Valve.....	69.82	13.93
For Extension Stems And Sleeves On Insulated Pipe, Add	2.63	
For Full Port, Add	5.03	
For Work In Restricted Working Space, Add	17.60	
23 05 23 00-0071 EA 1-1/4" Threaded Or Sweated, 125 LB, Regular Port, Carbon Steel Trim, Brass Body, Ball Valve.....	93.04	14.82
For Extension Stems And Sleeves On Insulated Pipe, Add	2.63	
For Full Port, Add	8.44	
For Work In Restricted Working Space, Add	22.29	
23 05 23 00-0072 EA 1-1/2" Threaded Or Sweated, 125 LB, Regular Port, Carbon Steel Trim, Brass Body, Ball Valve.....	109.67	17.16
For Extension Stems And Sleeves On Insulated Pipe, Add	2.63	
For Full Port, Add	10.78	
For Work In Restricted Working Space, Add	25.72	
23 05 23 00-0073 EA 2" Threaded Or Sweated, 125 LB, Regular Port, Carbon Steel Trim, Brass Body, Ball Valve.....	131.30	20.28
For Extension Stems And Sleeves On Insulated Pipe, Add	2.63	
For Full Port, Add	13.50	
For Work In Restricted Working Space, Add	30.39	
23 05 23 00-0074 EA 2-1/2" Threaded Or Sweated, 125 LB, Regular Port, Carbon Steel Trim, Brass Body, Ball Valve.....	278.33	27.38
For Extension Stems And Sleeves On Insulated Pipe, Add	2.63	
For Full Port, Add	63.71	
For Work In Restricted Working Space, Add	41.03	
23 05 23 00-0075 EA 3" Threaded Or Sweated, 125 LB, Regular Port, Carbon Steel Trim, Brass Body, Ball Valve.....	321.15	31.80
For Extension Stems And Sleeves On Insulated Pipe, Add	2.63	
For Full Port, Add	73.51	
For Work In Restricted Working Space, Add	47.34	
23 05 23 00-0076 EA 4" Threaded Or Sweated, 125 LB, Regular Port, Carbon Steel Trim, Brass Body, Ball Valve.....	402.19	35.90
For Extension Stems And Sleeves On Insulated Pipe, Add	2.63	
For Full Port, Add	100.22	
For Work In Restricted Working Space, Add	53.84	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0077 Screwed, 150 LB, Full Port, Carbon Steel Ball Valves <small>(23 05 23 00-0066)</small>		
23 05 23 00-0078 EA 1/4" Screwed, 150 LB, Full Port, Carbon Steel Ball Valve	42.75	11.14
<i>For Work In Restricted Working Space, Add</i>	9.74	
23 05 23 00-0079 EA 1/2" Screwed, 150 LB, Full Port, Carbon Steel Ball Valve	47.13	11.14
<i>For Work In Restricted Working Space, Add</i>	10.79	
23 05 23 00-0080 EA 3/4" Screwed, 150 LB, Full Port, Carbon Steel Ball Valve	64.61	12.26
<i>For Work In Restricted Working Space, Add</i>	14.54	
23 05 23 00-0081 EA 1" Screwed, 150 LB, Full Port, Carbon Steel Ball Valve	80.39	13.93
<i>For Work In Restricted Working Space, Add</i>	17.60	
23 05 23 00-0082 EA 1-1/4" Screwed, 150 LB, Full Port, Carbon Steel Ball Valve	111.44	14.82
<i>For Work In Restricted Working Space, Add</i>	22.29	
23 05 23 00-0083 EA 1-1/2" Screwed, 150 LB, Full Port, Carbon Steel Ball Valve	132.78	17.16
<i>For Work In Restricted Working Space, Add</i>	25.72	
23 05 23 00-0084 EA 2" Screwed, 150 LB, Full Port, Carbon Steel Ball Valve	166.10	20.28
<i>For Work In Restricted Working Space, Add</i>	30.39	
23 05 23 00-0085 Flanged, 150 LB, Full Port, Carbon Steel Ball Valves <small>(23 05 23 00-0066)</small>		
23 05 23 00-0086 EA 4" Flanged, 150 LB, Full Port, Carbon Steel Ball Valve	977.68	292.30
<i>For Work In Restricted Working Space, Add</i>	109.89	
23 05 23 00-0087 EA 6" Flanged, 150 LB, Full Port, Carbon Steel Ball Valve	1,595.57	375.93
<i>For Work In Restricted Working Space, Add</i>	140.97	
23 05 23 00-0088 EA 8" Flanged, 150 LB, Full Port, Carbon Steel Ball Valve	3,186.60	432.32
<i>For Work In Restricted Working Space, Add</i>	161.11	
23 05 23 00-0089 Socket, 150 PSI, Polyvinyl Chloride (PVC), Ball Valves <small>(23 05 23 00-0066)</small>		
23 05 23 00-0090 EA 1/2" Socket, 150 PSI, Polyvinyl Chloride (PVC), Ball Valve	39.00	11.14
<i>For True Union Socket Or Thread Type, Add</i>	3.11	
<i>For Work In Restricted Working Space, Add</i>	10.79	
23 05 23 00-0091 EA 3/4" Socket, 150 PSI, Polyvinyl Chloride (PVC), Ball Valve	51.96	12.26
<i>For True Union Socket Or Thread Type, Add</i>	3.95	
<i>For Work In Restricted Working Space, Add</i>	14.54	
23 05 23 00-0092 EA 1" Socket, 150 PSI, Polyvinyl Chloride (PVC), Ball Valve	63.54	13.93
<i>For True Union Socket Or Thread Type, Add</i>	5.04	
<i>For Work In Restricted Working Space, Add</i>	17.60	
23 05 23 00-0093 EA 1-1/4" Socket, 150 PSI, Polyvinyl Chloride (PVC), Ball Valve	80.72	14.82
<i>For True Union Socket Or Thread Type, Add</i>	6.47	
<i>For Work In Restricted Working Space, Add</i>	22.29	
23 05 23 00-0094 EA 1-1/2" Socket, 150 PSI, Polyvinyl Chloride (PVC), Ball Valve	96.90	17.16
<i>For True Union Socket Or Thread Type, Add</i>	8.97	
<i>For Work In Restricted Working Space, Add</i>	25.72	
23 05 23 00-0095 EA 2" Socket, 150 PSI, Polyvinyl Chloride (PVC), Ball Valve	115.55	20.28
<i>For True Union Socket Or Thread Type, Add</i>	11.02	
<i>For Work In Restricted Working Space, Add</i>	30.39	
23 05 23 00-0096 EA 2-1/2" Socket, 150 PSI, Polyvinyl Chloride (PVC), Ball Valve	167.42	27.38
<i>For True Union Socket Or Thread Type, Add</i>	19.45	
<i>For Work In Restricted Working Space, Add</i>	41.03	
23 05 23 00-0097 EA 3" Socket, 150 PSI, Polyvinyl Chloride (PVC), Ball Valve	209.94	31.80
<i>For True Union Socket Or Thread Type, Add</i>	29.14	
<i>For Work In Restricted Working Space, Add</i>	47.34	
23 05 23 00-0098 EA 4" Socket, 150 PSI, Polyvinyl Chloride (PVC), Ball Valve	279.19	35.90
<i>For True Union Socket Or Thread Type, Add</i>	49.31	
<i>For Work In Restricted Working Space, Add</i>	53.84	
23 05 23 00-0099 Threaded Or Sweated, 3-Way, 125 LB, Regular Port, Carbon Steel Trim, Brass Body, Ball Valves <small>(23 05 23 00-0066)</small>		
23 05 23 00-0100 EA 1/4" Threaded Or Sweated, 3-Way, 125 LB, Regular Port, Carbon Steel Trim, Brass Body, Ball Valve	64.85	16.71
<i>For Full Port, Add</i>	7.28	
<i>For Work In Restricted Working Space, Add</i>	14.60	
23 05 23 00-0101 EA 3/8" Threaded Or Sweated, 3-Way, 125 LB, Regular Port, Carbon Steel Trim, Brass Body, Ball Valve	67.41	16.71
<i>For Full Port, Add</i>	7.28	
<i>For Work In Restricted Working Space, Add</i>	15.37	
23 05 23 00-0102 EA 1/2" Threaded Or Sweated, 3-Way, 125 LB, Regular Port, Carbon Steel Trim, Brass Body, Ball Valve	70.10	16.71
<i>For Full Port, Add</i>	7.28	
<i>For Work In Restricted Working Space, Add</i>	16.18	
23 05 23 00-0103 EA 3/4" Threaded Or Sweated, 3-Way, 125 LB, Regular Port, Carbon Steel Trim, Brass Body, Ball Valve	89.83	18.39
<i>For Full Port, Add</i>	7.72	
<i>For Work In Restricted Working Space, Add</i>	21.80	
23 05 23 00-0104 EA 1" Threaded Or Sweated, 3-Way, 125 LB, Regular Port, Carbon Steel Trim, Brass Body, Ball Valve	113.38	20.89
<i>For Full Port, Add</i>	11.43	
<i>For Work In Restricted Working Space, Add</i>	26.39	
23 05 23 00-0105 EA 1-1/4" Threaded Or Sweated, 3-Way, 125 LB, Regular Port, Carbon Steel Trim, Brass Body, Ball Valve	146.21	22.23
<i>For Full Port, Add</i>	15.65	
<i>For Work In Restricted Working Space, Add</i>	33.43	
23 05 23 00-0106 EA 1-1/2" Threaded Or Sweated, 3-Way, 125 LB, Regular Port, Carbon Steel Trim, Brass Body, Ball Valve	174.83	25.74
<i>For Full Port, Add</i>	20.81	
<i>For Work In Restricted Working Space, Add</i>	38.57	
23 05 23 00-0107 EA 2" Threaded Or Sweated, 3-Way, 125 LB, Regular Port, Carbon Steel Trim, Brass Body, Ball Valve	227.21	30.42
<i>For Full Port, Add</i>	33.87	
<i>For Work In Restricted Working Space, Add</i>	45.59	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 05 Common Work Results For HVAC****23 05 23 General-Duty Valves For HVAC Piping**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0108 EA 2-1/2" Threaded Or Sweated, 3-Way, 125 LB, Regular Port, Carbon Steel Trim, Brass Body, Ball Valve	387.77	41.08
For Full Port, Add	82.19	
For Work In Restricted Working Space, Add	61.54	
23 05 23 00-0109 EA 3" Threaded Or Sweated, 3-Way, 125 LB, Regular Port, Carbon Steel Trim, Brass Body, Ball Valve.....	526.72	47.69
For Full Port, Add	130.51	
For Work In Restricted Working Space, Add	71.01	
23 05 23 00-0110 Globe Valves <small>(23 05 23)</small>		
23 05 23 00-0111 Threaded Or Sweated, 125 LB, Bronze Body, Globe Valves <small>(23 05 23 00-0110)</small>		
23 05 23 00-0112 EA 1/8" Threaded Or Sweated, 125 LB, Bronze Body, Globe Valve	49.16	11.14
For 150 LB Rating, Add	4.10	
For 200 LB Rating, Add	5.02	
For 250 LB Rating, Add	5.94	
For 300 LB Rating, Add	7.27	
For Work In Restricted Working Space, Add	10.79	
23 05 23 00-0113 EA 1/4" Threaded Or Sweated, 125 LB, Bronze Body, Globe Valve	45.66	11.14
For 150 LB Rating, Add	4.10	
For 200 LB Rating, Add	5.02	
For 250 LB Rating, Add	5.94	
For 300 LB Rating, Add	7.27	
For Work In Restricted Working Space, Add	9.74	
23 05 23 00-0114 EA 3/8" Threaded Or Sweated, 125 LB, Bronze Body, Globe Valve	53.87	11.14
For 150 LB Rating, Add	6.11	
For 200 LB Rating, Add	7.49	
For 250 LB Rating, Add	8.87	
For 300 LB Rating, Add	10.84	
For Work In Restricted Working Space, Add	10.25	
23 05 23 00-0115 EA 1/2" Threaded Or Sweated, 125 LB, Bronze Body, Globe Valve	55.66	11.14
For 150 LB Rating, Add	6.11	
For 200 LB Rating, Add	7.49	
For 250 LB Rating, Add	8.87	
For 300 LB Rating, Add	10.84	
For 600 LB Rating, Forged Steel, Bolted Bonnet, Socket Weld, Add	36.06	
For Work In Restricted Working Space, Add	10.79	
23 05 23 00-0116 EA 3/4" Threaded Or Sweated, 125 LB, Bronze Body, Globe Valve	69.82	11.70
For 150 LB Rating, Add	6.62	
For 200 LB Rating, Add	8.12	
For 250 LB Rating, Add	9.62	
For 300 LB Rating, Add	11.75	
For 600 LB Rating, Forged Steel, Bolted Bonnet, Socket Weld, Add	42.89	
For Work In Restricted Working Space, Add	14.54	
23 05 23 00-0117 EA 1" Threaded Or Sweated, 125 LB, Bronze Body, Globe Valve	87.53	11.70
For 150 LB Rating, Add	8.95	
For 200 LB Rating, Add	10.97	
For 250 LB Rating, Add	13.00	
For 300 LB Rating, Add	15.88	
For 600 LB Rating, Forged Steel, Bolted Bonnet, Socket Weld, Add	55.23	
For Work In Restricted Working Space, Add	17.60	
23 05 23 00-0118 EA 1-1/4" Threaded Or Sweated, 125 LB, Bronze Body, Globe Valve	124.17	14.82
For 150 LB Rating, Add	15.46	
For 200 LB Rating, Add	18.95	
For 250 LB Rating, Add	22.45	
For 300 LB Rating, Add	27.43	
For 600 LB Rating, Forged Steel, Bolted Bonnet, Socket Weld, Add	84.58	
For Work In Restricted Working Space, Add	22.29	
23 05 23 00-0119 EA 1-1/2" Threaded Or Sweated, 125 LB, Bronze Body, Globe Valve	157.00	17.16
For 150 LB Rating, Add	22.10	
For 200 LB Rating, Add	27.09	
For 250 LB Rating, Add	32.08	
For 300 LB Rating, Add	39.20	
For 600 LB Rating, Forged Steel, Bolted Bonnet, Socket Weld, Add	112.70	
For Work In Restricted Working Space, Add	25.72	
23 05 23 00-0120 EA 2" Threaded Or Sweated, 125 LB, Bronze Body, Globe Valve	185.10	20.28
For 150 LB Rating, Add	25.98	
For 200 LB Rating, Add	31.84	
For 250 LB Rating, Add	37.71	
For 300 LB Rating, Add	46.09	
For 600 LB Rating, Forged Steel, Bolted Bonnet, Socket Weld, Add	132.70	
For Work In Restricted Working Space, Add	30.39	
23 05 23 00-0121 EA 2-1/2" Threaded Or Sweated, 125 LB, Bronze Body, Globe Valve	221.24	27.38
For 150 LB Rating, Add	26.19	
For 200 LB Rating, Add	32.11	
For 250 LB Rating, Add	38.02	
For 300 LB Rating, Add	46.47	
For Work In Restricted Working Space, Add	41.03	
23 05 23 00-0122 EA 3" Globe Valve, Bronze, Threaded Or Soldered, 125 LB.....	347.08	31.80
For 150 LB Rating, Add	58.68	
For 200 LB Rating, Add	71.93	
For 250 LB Rating, Add	85.18	
For 300 LB Rating, Add	104.11	
For Work In Restricted Working Space, Add	47.34	
23 05 23 00-0123 Threaded, 125 LB, Outside Stem And Yoke, Iron Body, Globe Valves <small>(23 05 23 00-0110)</small>		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0124 EA 2" Threaded, 125 LB, Outside Stem And Yoke, Iron Body, Globe Valve.....	248.53	20.28
<i>For 150 LB Rating, Add</i>	45.64	
<i>For 200 LB Rating, Add</i>	55.95	
<i>For 250 LB Rating, Add</i>	66.25	
<i>For 300 LB Rating, Add</i>	80.98	
<i>For Chain Operated Type, Add</i>	122.94	
<i>For Work In Restricted Working Space, Add</i>	30.39	
23 05 23 00-0125 EA 2-1/2" Threaded, 125 LB, Outside Stem And Yoke, Iron Body, Globe Valve.....	315.22	27.38
<i>For 150 LB Rating, Add</i>	55.33	
<i>For 200 LB Rating, Add</i>	67.82	
<i>For 250 LB Rating, Add</i>	80.31	
<i>For 300 LB Rating, Add</i>	98.16	
<i>For Chain Operated Type, Add</i>	149.02	
<i>For Work In Restricted Working Space, Add</i>	41.03	
23 05 23 00-0126 EA 3" Threaded, 125 LB, Outside Stem And Yoke, Iron Body, Globe Valve.....	371.95	31.80
<i>For 150 LB Rating, Add</i>	66.39	
<i>For 200 LB Rating, Add</i>	81.38	
<i>For 250 LB Rating, Add</i>	96.37	
<i>For 300 LB Rating, Add</i>	117.79	
<i>For Chain Operated Type, Add</i>	178.82	
<i>For Work In Restricted Working Space, Add</i>	47.34	
23 05 23 00-0127 EA 4" Threaded, 125 LB, Outside Stem And Yoke, Iron Body, Globe Valve.....	464.97	35.90
<i>For 150 LB Rating, Add</i>	88.52	
<i>For 200 LB Rating, Add</i>	108.51	
<i>For 250 LB Rating, Add</i>	128.49	
<i>For 300 LB Rating, Add</i>	157.05	
<i>For Chain Operated Type, Add</i>	238.43	
<i>For Work In Restricted Working Space, Add</i>	53.83	
23 05 23 00-0128 Flanged, 125 LB, Outside Stem And Yoke, Iron Body, Globe Valves (23 05 23 00-0110)		
23 05 23 00-0129 EA 2" Flanged, 125 LB, Outside Stem And Yoke, Iron Body, Globe Valve.....	323.36	148.54
<i>For 150 LB Rating, Add</i>	42.67	
<i>For 250 LB Rating, Add</i>	61.94	
<i>For Chain Operated Type, Add</i>	68.82	
<i>For Work In Restricted Working Space, Add</i>	55.72	
23 05 23 00-0130 EA 2-1/2" Flanged, 125 LB, Outside Stem And Yoke, Iron Body, Globe Valve.....	354.27	148.71
<i>For 150 LB Rating, Add</i>	52.02	
<i>For 250 LB Rating, Add</i>	75.51	
<i>For Chain Operated Type, Add</i>	83.90	
<i>For Work In Restricted Working Space, Add</i>	55.94	
23 05 23 00-0131 EA 3" Flanged, 125 LB, Outside Stem And Yoke, Iron Body, Globe Valve.....	419.57	174.36
<i>For 150 LB Rating, Add</i>	62.42	
<i>For 250 LB Rating, Add</i>	90.61	
<i>For Chain Operated Type, Add</i>	100.68	
<i>For Work In Restricted Working Space, Add</i>	65.47	
23 05 23 00-0132 EA 4" Flanged, 125 LB, Outside Stem And Yoke, Iron Body, Globe Valve.....	588.98	292.30
<i>For 150 LB Rating, Add</i>	83.23	
<i>For 250 LB Rating, Add</i>	120.81	
<i>For Chain Operated Type, Add</i>	134.24	
<i>For Work In Restricted Working Space, Add</i>	96.15	
23 05 23 00-0133 EA 5" Flanged, 125 LB, Outside Stem And Yoke, Iron Body, Globe Valve.....	797.77	338.33
<i>For 150 LB Rating, Add</i>	115.74	
<i>For 250 LB Rating, Add</i>	168.00	
<i>For Chain Operated Type, Add</i>	186.67	
<i>For Work In Restricted Working Space, Add</i>	127.33	
23 05 23 00-0134 EA 6" Flanged, 125 LB, Outside Stem And Yoke, Iron Body, Globe Valve.....	941.83	375.93
<i>For 150 LB Rating, Add</i>	146.30	
<i>For 250 LB Rating, Add</i>	212.36	
<i>For Chain Operated Type, Add</i>	235.96	
<i>For Work In Restricted Working Space, Add</i>	140.97	
23 05 23 00-0135 EA 8" Flanged, 125 LB, Outside Stem And Yoke, Iron Body, Globe Valve.....	1,262.74	432.32
<i>For 150 LB Rating, Add</i>	224.97	
<i>For 250 LB Rating, Add</i>	326.57	
<i>For Chain Operated Type, Add</i>	362.86	
<i>For Work In Restricted Working Space, Add</i>	161.11	
23 05 23 00-0136 EA 10" Flanged, 125 LB, Outside Stem And Yoke, Iron Body, Globe Valve.....	1,763.22	526.30
<i>For 150 LB Rating, Add</i>	342.66	
<i>For 250 LB Rating, Add</i>	497.41	
<i>For Chain Operated Type, Add</i>	552.68	
<i>For Work In Restricted Working Space, Add</i>	197.36	
23 05 23 00-0137 EA 12" Flanged, 125 LB, Outside Stem And Yoke, Iron Body, Globe Valve.....	2,889.04	639.08
<i>For 150 LB Rating, Add</i>	648.40	
<i>For 250 LB Rating, Add</i>	941.23	
<i>For Chain Operated Type, Add</i>	1,045.81	
<i>For Work In Restricted Working Space, Add</i>	239.23	
23 05 23 00-0138 Threaded Or Sweated, 125 LB, Bronze Body, Angle Globe Valves (23 05 23 00-0110)		
23 05 23 00-0139 EA 1/8" Threaded Or Sweated, 125 LB, Bronze Body, Angle Globe Valve.....	45.95	11.14
<i>For 150 LB Rating, Add</i>	3.10	
<i>For 200 LB Rating, Add</i>	3.80	
<i>For 300 LB Rating, Add</i>	5.50	
<i>For Work In Restricted Working Space, Add</i>	10.79	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 05 Common Work Results For HVAC****23 05 23 General-Duty Valves For HVAC Piping**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0140 EA 1/4" Threaded Or Sweated, 125 LB, Bronze Body, Angle Globe Valve	42.45	11.14
For 150 LB Rating, Add	3.10	
For 200 LB Rating, Add	3.80	
For 300 LB Rating, Add	5.50	
For Work In Restricted Working Space, Add	9.74	
23 05 23 00-0141 EA 3/8" Threaded Or Sweated, 125 LB, Bronze Body, Angle Globe Valve	44.16	11.14
For 150 LB Rating, Add	3.10	
For 200 LB Rating, Add	3.80	
For 300 LB Rating, Add	5.50	
For Work In Restricted Working Space, Add	10.25	
23 05 23 00-0142 EA 1/2" Threaded Or Sweated, 125 LB, Bronze Body, Angle Globe Valve	46.62	11.14
For 150 LB Rating, Add	3.31	
For 200 LB Rating, Add	4.05	
For 300 LB Rating, Add	5.87	
For Work In Restricted Working Space, Add	10.79	
23 05 23 00-0143 EA 3/4" Threaded Or Sweated, 125 LB, Bronze Body, Angle Globe Valve	63.25	11.70
For 150 LB Rating, Add	4.59	
For 200 LB Rating, Add	5.62	
For 300 LB Rating, Add	8.14	
For Work In Restricted Working Space, Add	14.54	
23 05 23 00-0144 EA 1" Threaded Or Sweated, 125 LB, Bronze Body, Angle Globe Valve	78.07	11.70
For 150 LB Rating, Add	6.02	
For 200 LB Rating, Add	7.38	
For 300 LB Rating, Add	10.68	
For Work In Restricted Working Space, Add	17.60	
23 05 23 00-0145 EA 1-1/4" Threaded Or Sweated, 125 LB, Bronze Body, Angle Globe Valve	103.13	14.82
For 150 LB Rating, Add	8.94	
For 200 LB Rating, Add	10.96	
For 300 LB Rating, Add	15.86	
For Work In Restricted Working Space, Add	22.29	
23 05 23 00-0146 EA 1-1/2" Threaded Or Sweated, 125 LB, Bronze Body, Angle Globe Valve	119.35	17.16
For 150 LB Rating, Add	10.43	
For 200 LB Rating, Add	12.78	
For 300 LB Rating, Add	18.50	
For Work In Restricted Working Space, Add	25.72	
23 05 23 00-0147 EA 2" Threaded Or Sweated, 125 LB, Bronze Body, Angle Globe Valve	151.95	20.28
For 150 LB Rating, Add	15.70	
For 200 LB Rating, Add	19.25	
For 300 LB Rating, Add	27.86	
For Work In Restricted Working Space, Add	30.39	
23 05 23 00-0148 EA 2-1/2" Threaded Or Sweated, 125 LB, Bronze Body, Angle Globe Valve	239.95	29.76
For 150 LB Rating, Add	28.32	
For 200 LB Rating, Add	34.72	
For 300 LB Rating, Add	50.25	
For Work In Restricted Working Space, Add	44.57	
23 05 23 00-0149 EA 3" Threaded Or Sweated, 125 LB, Bronze Body, Angle Globe Valve	326.16	34.54
For 150 LB Rating, Add	47.97	
For 200 LB Rating, Add	58.80	
For 300 LB Rating, Add	85.10	
For Work In Restricted Working Space, Add	51.43	
23 05 23 00-0150 Flanged, 125 LB, Iron Body, Angle Globe Valves (23 05 23 00-0110)		
23 05 23 00-0151 EA 2" Flanged, 125 LB, Iron Body, Angle Globe Valve	539.86	148.54
For 250 LB Rating, Add	212.48	
For Chain Operated Type, Add	138.11	
For Work In Restricted Working Space, Add	55.72	
23 05 23 00-0152 EA 2-1/2" Flanged, 125 LB, Iron Body, Angle Globe Valve	605.30	148.71
For 250 LB Rating, Add	251.30	
For Chain Operated Type, Add	163.34	
For Work In Restricted Working Space, Add	55.94	
23 05 23 00-0153 EA 3" Flanged, 125 LB, Iron Body, Angle Globe Valve	711.77	174.36
For 250 LB Rating, Add	296.13	
For Chain Operated Type, Add	192.48	
For Work In Restricted Working Space, Add	65.47	
23 05 23 00-0154 EA 4" Flanged, 125 LB, Iron Body, Angle Globe Valve	1,071.23	292.30
For 250 LB Rating, Add	422.96	
For Chain Operated Type, Add	274.93	
For Work In Restricted Working Space, Add	109.89	
23 05 23 00-0155 EA 5" Flanged, 125 LB, Iron Body, Angle Globe Valve	1,687.81	338.33
For 250 LB Rating, Add	758.03	
For Chain Operated Type, Add	492.72	
For Work In Restricted Working Space, Add	127.33	
23 05 23 00-0156 EA 6" Flanged, 125 LB, Iron Body, Angle Globe Valve	1,733.29	375.93
For 250 LB Rating, Add	758.03	
For Chain Operated Type, Add	492.72	
For Work In Restricted Working Space, Add	140.97	
23 05 23 00-0157 EA 8" Flanged, 125 LB, Iron Body, Angle Globe Valve	3,009.71	432.32
For 250 LB Rating, Add	1,483.61	
For Chain Operated Type, Add	964.35	
For Work In Restricted Working Space, Add	161.11	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0158				Class 800 Outside Stem And Yoke, Threaded, Chrome Trim, Bolted Bonnet, Forged Steel, Globe Valves (23 05 23 00-0110) Note: 800 PSIG at 850 degrees F.		
23 05 23 00-0159	EA			1/4" Class 800 Outside Stem And Yoke, Threaded, Chrome Trim, Bolted Bonnet, Forged Steel, Globe Valve.....	96.44	18.05
				<i>For Work In Restricted Working Space, Add</i>	9.74	
23 05 23 00-0160	EA			1/2" Class 800 Outside Stem And Yoke, Threaded, Chrome Trim, Bolted Bonnet, Forged Steel, Globe Valve.....	99.94	18.05
				<i>For Work In Restricted Working Space, Add</i>	10.79	
23 05 23 00-0161	EA			3/4" Class 800 Outside Stem And Yoke, Threaded, Chrome Trim, Bolted Bonnet, Forged Steel, Globe Valve.....	121.24	24.29
				<i>For Work In Restricted Working Space, Add</i>	14.54	
23 05 23 00-0162	EA			1" Class 800 Outside Stem And Yoke, Threaded, Chrome Trim, Bolted Bonnet, Forged Steel, Globe Valve.....	149.06	29.30
				<i>For Work In Restricted Working Space, Add</i>	17.60	
23 05 23 00-0163	EA			1-1/4" Class 800 Outside Stem And Yoke, Threaded, Chrome Trim, Bolted Bonnet, Forged Steel, Globe Valve.....	229.27	37.10
				<i>For Work In Restricted Working Space, Add</i>	22.29	
23 05 23 00-0164	EA			1-1/2" Class 800 Outside Stem And Yoke, Threaded, Chrome Trim, Bolted Bonnet, Forged Steel, Globe Valve.....	272.99	42.90
				<i>For Work In Restricted Working Space, Add</i>	25.72	
23 05 23 00-0165	EA			2" Class 800 Outside Stem And Yoke, Threaded, Chrome Trim, Bolted Bonnet, Forged Steel, Globe Valve.....	342.58	50.70
				<i>For Work In Restricted Working Space, Add</i>	30.39	
23 05 23 00-0166				Triple Duty Valves (23 05 23) Note: Valves function as a shut-off, check valve and calibrated balancing valve.		
23 05 23 00-0167				Straight Pattern, Triple Duty Valves (23 05 23 00-0166) Note: Bell & Gossett 3DX and 3DS-S Series.		
23 05 23 00-0168	EA			1" Threaded, Straight Pattern, Triple Duty Valve.....	221.12	11.70
23 05 23 00-0169	EA			1-1/4" Threaded, Straight Pattern, Triple Duty Valve.....	258.19	14.82
23 05 23 00-0170	EA			1-1/2" Threaded, Straight Pattern, Triple Duty Valve.....	281.92	17.16
23 05 23 00-0171	EA			2" Flanged, Straight Pattern, Triple Duty Valve.....	685.45	30.42
23 05 23 00-0172	EA			2-1/2" Flanged, Straight Pattern, Triple Duty Valve.....	802.76	148.71
23 05 23 00-0173	EA			3" Flanged, Straight Pattern, Triple Duty Valve.....	883.57	174.36
23 05 23 00-0174	EA			4" Flanged, Straight Pattern, Triple Duty Valve.....	1,782.84	292.30
23 05 23 00-0175	EA			5" Flanged, Straight Pattern Triple Duty Valve.....	2,095.47	338.33
23 05 23 00-0176	EA			6" Flanged, Straight Pattern, Triple Duty Valve.....	2,751.10	375.93
23 05 23 00-0177	EA			8" Flanged, Straight Pattern, Triple Duty Valve.....	3,633.81	432.32
23 05 23 00-0178	EA			10" Flanged, Straight Pattern, Triple Duty Valve.....	5,772.16	526.30
23 05 23 00-0179				Flanged, Angle Pattern, Triple Duty Valves (23 05 23 00-0166) Note: Bell & Gossett 3D-S Series.		
23 05 23 00-0180	EA			2" Flanged, Angle Pattern, Triple Duty Valve.....	670.12	30.42
23 05 23 00-0181	EA			2-1/2" Flanged, Angle Pattern, Triple Duty Valve.....	784.36	148.71
23 05 23 00-0182	EA			3" Flanged, Angle Pattern, Triple Duty Valve.....	868.24	174.36
23 05 23 00-0183	EA			4" Flanged, Angle Pattern, Triple Duty Valve.....	1,742.98	292.30
23 05 23 00-0184	EA			5" Flanged, Angle Pattern, Triple Duty Valve.....	2,046.41	338.33
23 05 23 00-0185	EA			6" Flanged, Angle Pattern, Triple Duty Valve.....	2,291.19	375.93
23 05 23 00-0186	EA			8" Flanged, Angle Pattern, Triple Duty Valve.....	3,416.12	432.32
23 05 23 00-0187	EA			10" Flanged, Angle Pattern, Triple Duty Valve.....	4,548.78	526.30
23 05 23 00-0188				Balanced, Straight Pattern, Triple Duty Valves (23 05 23 00-0166) Note: Bell & Gossett 3DS-B Series.		
23 05 23 00-0189	EA			3" Flanged, Balanced, Straight Pattern, Triple Duty Valve.....	816.11	174.36
23 05 23 00-0190	EA			4" Flanged, Balanced, Straight Pattern, Triple Duty Valve.....	1,605.00	292.30
23 05 23 00-0191	EA			5" Flanged, Balanced, Straight Pattern, Triple Duty Valve.....	1,890.04	338.33
23 05 23 00-0192	EA			6" Flanged, Balanced, Straight Pattern, Triple Duty Valve.....	2,472.09	375.93
23 05 23 00-0193	EA			8" Flanged, Balanced, Straight Pattern, Triple Duty Valve.....	3,253.61	432.32
23 05 23 00-0194	EA			10" Flanged, Balanced, Straight Pattern, Triple Duty Valve.....	5,137.47	526.30
23 05 23 00-0195	EA			12" Flanged, Balanced, Straight Pattern, Triple Duty Valve.....	7,678.04	639.08
23 05 23 00-0196	EA			14" Flanged, Balanced, Straight Pattern, Triple Duty Valve.....	9,323.74	704.86
23 05 23 00-0197	EA			16" Flanged, Balanced, Straight Pattern, Triple Duty Valve.....	11,640.13	827.04
23 05 23 00-0198				Grooved Straight Pattern, Triple Duty Valves (23 05 23 00-0166) Note: Bell & Gossett 3DS-G Series.		
23 05 23 00-0199	EA			2" Grooved, Straight Pattern, Triple Duty Valve.....	715.22	27.53
23 05 23 00-0200	EA			2-1/2" Grooved, Straight Pattern, Triple Duty Valve.....	852.86	32.82
23 05 23 00-0201	EA			3" Grooved, Straight Pattern, Triple Duty Valve.....	991.56	35.59
23 05 23 00-0202	EA			4" Grooved, Straight Pattern, Triple Duty Valve.....	1,637.00	38.36
23 05 23 00-0203	EA			5" Grooved, Straight Pattern, Triple Duty Valve.....	1,895.76	47.93
23 05 23 00-0204	EA			6" Grooved, Straight Pattern Triple Duty Valve.....	2,526.60	61.46
23 05 23 00-0205	EA			8" Grooved, Straight Pattern Triple Duty Valve.....	3,434.08	78.00
23 05 23 00-0206	EA			10" Grooved, Straight Pattern Triple Duty Valve.....	5,405.30	87.40
23 05 23 00-0207	EA			12" Grooved, Straight Pattern Triple Duty Valve.....	8,569.24	106.58
23 05 23 00-0208				Plug Valves (23 05 23)		
23 05 23 00-0209				Plug Valves, Lubricated, Semisteel Screwed, Wrench Operated (23 05 23 00-0208) Note: Includes wrench.		
23 05 23 00-0210	EA			1/2" Diameter Plug Valve, Semi-Steel, Screwed Lubricated, 200 PSI, Wrench Operated, With Wrench.....	129.54	11.14
23 05 23 00-0211	EA			3/4" Diameter Plug Valve, Semi-Steel, Screwed Lubricated, 200 PSI, Wrench Operated, With Wrench.....	142.04	12.26
23 05 23 00-0212	EA			1" Diameter Plug Valve, Semi-Steel, Screwed Lubricated, 200 PSI, Wrench Operated, With Wrench.....	178.03	13.93

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 05 Common Work Results For HVAC****23 05 23 General-Duty Valves For HVAC Piping**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0213 EA 1-1/4" Diameter Plug Valve, Semi-Steel, Screwed Lubricated, 200 PSI, Wrench Operated, With Wrench.....	215.64	14.82
23 05 23 00-0214 EA 1-1/2" Diameter Plug Valve, Semi-Steel, Screwed Lubricated, 200 PSI, Wrench Operated, With Wrench.....	239.48	17.16
23 05 23 00-0215 EA 2" Diameter Plug Valve, Semi-Steel, Screwed Lubricated, 200 PSI, Wrench Operated, With Wrench.....	282.76	20.28
23 05 23 00-0216 EA 2-1/2" Diameter Plug Valve, Semi-Steel, Screwed Lubricated, 200 PSI, Wrench Operated, With Wrench.....	414.67	27.38
23 05 23 00-0217 EA 3" Diameter Plug Valve, Semi-Steel, Screwed Lubricated, 200 PSI, Wrench Operated, With Wrench.....	501.61	31.80
23 05 23 00-0218 Plug Valves, Lubricated, Semisteel Flanged (23 05 23 00-0208)		
Note: Wrench operated for 4", gear operated for 6" and 10".		
23 05 23 00-0219 EA 2" Diameter Plug Valve, Semi-Steel, Flanged, 175 PSI, Wrench Operated, With Wrench	332.71	148.54
23 05 23 00-0220 EA 2-1/2" Diameter Plug Valve, Semi-Steel, Flanged, 175 PSI, Wrench Operated, With Wrench	380.09	148.71
23 05 23 00-0221 EA 3" Diameter Plug Valve, Semi-Steel, Flanged, 175 PSI, Wrench Operated, With Wrench	461.51	174.36
23 05 23 00-0222 EA 4" Diameter Plug Valve, Semi-Steel, Flanged, 175 PSI, Wrench Operated, With Wrench	695.74	292.30
23 05 23 00-0223 EA 6" Diameter Plug Valve, Semi-Steel, Flanged, 175 PSI, Wrench Operated, With Wrench	1,348.79	375.93
23 05 23 00-0224 EA 8" Diameter Plug Valve, Semi-Steel, Flanged, 175 PSI, Wrench Operated, With Wrench	2,120.43	432.32
23 05 23 00-0225 EA 10" Diameter Plug Valve, Semi-Steel, Flanged, 175 PSI, Wrench Operated, With Wrench	3,296.53	526.30
23 05 23 00-0226 EA 12" Diameter Plug Valve, Semi-Steel, Flanged, 175 PSI, Wrench Operated, With Wrench	4,802.55	639.08
23 05 23 00-0227 Plug Valves, Forged Steel, Screwed (23 05 23 00-0208)		
23 05 23 00-0228 EA 1/2" Plug Valve, 1,500 LB, Forged Steel, Screwed.....	436.29	11.14
23 05 23 00-0229 EA 3/4" Plug Valve, 1,500 LB, Forged Steel, Screwed.....	519.13	12.26
23 05 23 00-0230 EA 1" Plug Valve, 1,500 LB, Forged Steel, Screwed.....	589.25	13.93
23 05 23 00-0231 EA 1-1/4" Plug Valve, 1,500 LB, Forged Steel, Screwed.....	709.39	14.82
23 05 23 00-0232 EA 1-1/2" Plug Valve, 1,500 LB, Forged Steel, Screwed.....	825.61	17.16
23 05 23 00-0233 EA 2" Plug Valve, 1,500 LB, Forged Steel, Screwed.....	1,079.14	20.28
23 05 23 00-0234 Plug Valves, Eccentric, Cast Iron Flanged (23 05 23 00-0208)		
23 05 23 00-0235 EA 4" Diameter Plug Valve, Eccentric, Cast Iron, Flanged, 175 PSI	760.44	292.30
23 05 23 00-0236 EA 6" Diameter Plug Valve, Eccentric, Cast Iron, Flanged, 175 PSI	1,100.30	338.33
23 05 23 00-0237 EA 8" Diameter Plug Valve, Eccentric, Cast Iron, Flanged, 175 PSI	1,479.13	432.32
23 05 23 00-0238 EA 10" Diameter Plug Valve, Eccentric, Cast Iron, Flanged, 175 PSI	2,052.27	526.30
23 05 23 00-0239 EA 12" Diameter Plug Valve, Eccentric, Cast Iron, Flanged, 175 PSI	2,627.32	639.08
23 05 23 00-0240 Foot Valves (23 05 23)		
23 05 23 00-0241 Single Poppet Foot Valves, Metal To Metal Seat Construction (23 05 23 00-0240)		
23 05 23 00-0242 EA 1" Single Poppet Foot Valve, Metal To Metal Seat Construction	69.58	27.87
23 05 23 00-0243 EA 1-1/4" Single Poppet Foot Valve, Metal To Metal Seat Construction.....	78.24	31.21
23 05 23 00-0244 EA 1-1/2" Single Poppet Foot Valve, Metal To Metal Seat Construction.....	94.35	35.67
23 05 23 00-0245 EA 2" Single Poppet Foot Valve, Metal To Metal Seat Construction	116.77	40.13
23 05 23 00-0246 EA 2-1/2" Single Poppet Foot Valve, Metal To Metal Seat Construction.....	235.44	65.76
23 05 23 00-0247 EA 3" Single Poppet Foot Valve, Metal To Metal Seat Construction	295.87	80.26
23 05 23 00-0248 Double Poppet Foot Valves, Metal To Metal Seat Construction (23 05 23 00-0240)		
23 05 23 00-0249 EA 1" Double Poppet Foot Valve, Metal To Metal Seat Construction.....	69.58	27.87
23 05 23 00-0250 EA 1-1/4" Double Poppet Foot Valve, Metal To Metal Seat Construction.....	113.82	31.21
23 05 23 00-0251 EA 1-1/2" Double Poppet Foot Valve, Metal To Metal Seat Construction.....	114.88	35.67
23 05 23 00-0252 EA 2" Double Poppet Foot Valve, Metal To Metal Seat Construction.....	146.87	40.13
23 05 23 00-0253 EA 3" Double Poppet Foot Valve, Metal To Metal Seat Construction.....	272.75	65.76
23 05 23 00-0254 EA 4" Double Poppet Foot Valve, Metal To Metal Seat Construction.....	359.19	79.14
23 05 23 00-0255 Float Valves (23 05 23)		
23 05 23 00-0256 Float Valve Assembly For Maintaining Liquid Level In Tanks (23 05 23 00-0255)		
23 05 23 00-0257 Single Seat, Bronze Construction (23 05 23 00-0256)		
Note: For storage tanks, reservoirs, cooling towers and filtration plants.		
23 05 23 00-0258 EA Inlet Size 1/2", Maximum PSI 100, Single Seat Float Valve.....	111.14	23.41
23 05 23 00-0259 EA Inlet Size 3/4", Maximum PSI 100, Single Seat Float Valve.....	128.65	27.86
23 05 23 00-0260 EA Inlet Size 1", Maximum PSI 100, Single Seat Float Valve.....	158.84	30.09
23 05 23 00-0261 EA Inlet Size 1-1/4", Maximum PSI 90, Single Seat Float Valve	250.44	37.89
23 05 23 00-0262 EA Inlet Size 1-1/2", Maximum PSI 90, Single Seat Float Valve	261.58	43.46
23 05 23 00-0263 Double Seat, Bronze Construction (23 05 23 00-0256)		
Note: For hot or cold water or oil to open tanks.		
23 05 23 00-0264 EA Pipe Size 1/2" Maximum PSI 150, Double Seat Float Valve.....	471.33	23.41
23 05 23 00-0265 EA Pipe Size 3/4" Maximum PSI 150, Double Seat Float Valve.....	480.24	27.86
23 05 23 00-0266 EA Pipe Size 1" Maximum PSI 150, Double Seat Float Valve.....	551.13	30.09
23 05 23 00-0267 EA Pipe Size 1-1/4" Maximum PSI 150, Double Seat Float Valve.....	614.97	37.89
23 05 23 00-0268 EA Pipe Size 1-1/2" Maximum PSI 150, Double Seat Float Valve.....	703.30	43.46
23 05 23 00-0269 EA Pipe Size 2" Maximum PSI 150, Double Seat Float Valve.....	915.74	51.26
23 05 23 00-0270 EA Pipe Size 2-1/2" Maximum PSI 150, Double Seat Float Valve.....	1,076.17	68.71
23 05 23 00-0271 EA Pipe Size 3" Maximum PSI 150, Double Seat Float Valve.....	1,290.67	78.98



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0272 Float Valve Single Seated Balanced For Air Oil Or Water <small>(23 05 23 00-0255)</small>		
<i>Note: Includes arm, ball and bracket.</i>		
23 05 23 00-0273 Brass Body Threaded Ends <small>(23 05 23 00-0272)</small>		
23 05 23 00-0274 EA 1/2" Brass Body, Threaded Ends, Float Valve, Single Seated With Arm Ball And Bracket.....	140.09	30.20
23 05 23 00-0275 EA 3/4" Brass Body, Threaded Ends, Float Valve, Single Seated With Arm Ball And Bracket.....	157.39	33.55
23 05 23 00-0276 EA 1" Brass Body, Threaded Ends, Float Valve, Single Seated With Arm Ball And Bracket.....	186.99	37.10
23 05 23 00-0277 EA 1-1/4" Brass Body, Threaded Ends, Float Valve, Single Seated With Arm Ball And Bracket.....	300.01	59.96
23 05 23 00-0278 EA 1-1/2" Brass Body, Threaded Ends, Float Valve, Single Seated With Arm Ball And Bracket.....	324.07	68.31
23 05 23 00-0279 EA 2" Brass Body, Threaded Ends, Float Valve, Single Seated With Arm Ball And Bracket.....	378.55	84.69
23 05 23 00-0280 Cast Iron Body Flanged <small>(23 05 23 00-0272)</small>		
23 05 23 00-0281 EA 2-1/2" Cast Iron Body, Flanged, Float Valve, Single Seated With Arm Ball And Bracket.....	2,948.72	180.51
23 05 23 00-0282 EA 3" Cast Iron Body, Flanged, Float Valve, Single Seated With Arm Ball And Bracket.....	3,546.17	205.12
23 05 23 00-0283 Float Operated Valves <small>(23 05 23 00-0255)</small>		
23 05 23 00-0284 For Condensate Receivers Tanks And Vessels <small>(23 05 23 00-0283)</small>		
<i>Note: Cast iron body, self-contained, float in-line mount.</i>		
23 05 23 00-0285 EA 1" Inlet, Float Operated Valve, Single Seated With Arm Ball And Bracket.....	375.70	52.38
23 05 23 00-0286 For Condensate Receivers Tanks And Vessels <small>(23 05 23 00-0283)</small>		
<i>Note: Cast iron body, external float tank mount, flanged.</i>		
23 05 23 00-0287 EA 3/4" Inlet, Float Operated Valve, Single Seated With Arm Ball And Bracket.....	510.86	97.43
23 05 23 00-0288 Needle Valves <small>(23 05 23)</small>		
23 05 23 00-0289 Bronze Needle Valve <small>(23 05 23 00-0288)</small>		
<i>Note: For heating and cooling applications.</i>		
23 05 23 00-0290 EA 1/4" Needle Valve, Bronze.....	62.86	11.14
23 05 23 00-0291 EA 3/8" Needle Valve, Bronze.....	68.86	11.14
23 05 23 00-0292 EA 1/2" Needle Valve, Bronze.....	74.45	11.14
23 05 23 00-0293 EA 3/4" Needle Valve, Bronze.....	109.25	12.26
23 05 23 00-0294 EA 1" Needle Valve, Bronze.....	157.84	13.93
23 05 23 00-0295 Eccentric Valves With Taps <small>(23 05 23)</small>		
23 05 23 00-0296 Screwed Eccentric Valves With Taps <small>(23 05 23 00-0295)</small>		
23 05 23 00-0297 EA 1/2" Diameter Eccentric Valves With Taps, Screwed.....	126.75	11.14
23 05 23 00-0298 EA 3/4" Diameter Eccentric Valves With Taps, Screwed.....	140.64	12.26
23 05 23 00-0299 EA 1" Diameter Eccentric Valves With Taps, Screwed.....	175.99	13.93
23 05 23 00-0300 EA 1-1/4" Diameter Eccentric Valves With Taps, Screwed.....	215.37	14.82
23 05 23 00-0301 EA 1-1/2" Diameter Eccentric Valves With Taps, Screwed.....	237.98	17.16
23 05 23 00-0302 EA 2" Diameter Eccentric Valves With Taps, Screwed.....	280.10	20.28
23 05 23 00-0303 EA 2-1/2" Diameter Eccentric Valves With Taps, Screwed.....	413.33	27.38
23 05 23 00-0304 EA 3" Diameter Eccentric Valves With Taps, Screwed.....	497.23	31.80
23 05 23 00-0305 Flanged Eccentric Valves With Taps <small>(23 05 23 00-0295)</small>		
23 05 23 00-0306 EA 2-1/2" Diameter Eccentric Valves With Taps, Flanged.....	514.74	148.71
23 05 23 00-0307 EA 3" Diameter Eccentric Valves With Taps, Flanged.....	609.35	174.36
23 05 23 00-0308 EA 4" Diameter Eccentric Valves With Taps, Flanged.....	862.18	292.30
23 05 23 00-0309 EA 5" Diameter Eccentric Valves With Taps, Flanged.....	1,122.87	338.33
23 05 23 00-0310 EA 6" Diameter Eccentric Valves With Taps, Flanged.....	1,377.88	375.93
23 05 23 00-0311 EA 8" Diameter Eccentric Valves With Taps, Flanged.....	2,178.36	432.32
23 05 23 00-0312 EA 10" Diameter Eccentric Valves With Taps, Flanged.....	2,997.64	526.30
23 05 23 00-0313 EA 12" Diameter Eccentric Valves With Taps, Flanged.....	4,953.14	639.08
23 05 23 00-0314 Check Valves <small>(23 05 23)</small>		
23 05 23 00-0315 Iron Body Wafer Type Check Valve <small>(23 05 23 00-0314)</small>		
23 05 23 00-0316 Single Disk Type <small>(23 05 23 00-0315)</small>		
23 05 23 00-0317 EA 2" Check Valve, Single Disc Type, Iron Body Wafer Type, 125 LB.....	303.03	148.58
<i>For 150 LB Rating, Add</i>		24.62
<i>For 200 LB Rating, Add</i>		29.31
<i>For 300 LB Rating, Add</i>		35.18
<i>For 300 LB Rating, Cast Steel, Weld End, Wedge, Add</i>		89.92
23 05 23 00-0318 EA 2-1/2" Check Valve, Single Disc Type, Iron Body Wafer Type, 125 LB.....	340.17	148.77
<i>For 150 LB Rating, Add</i>		32.26
<i>For 200 LB Rating, Add</i>		38.41
<i>For 300 LB Rating, Add</i>		46.09
<i>For 300 LB Rating, Cast Steel, Weld End, Wedge, Add</i>		106.44

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 05 Common Work Results For HVAC****23 05 23 General-Duty Valves For HVAC Piping**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0319 EA 3" Check Valve, Single Disc Type, Iron Body Wafer Type, 125 LB.....	412.49	174.43
For 150 LB Rating, Add	40.78	
For 200 LB Rating, Add	48.55	
For 300 LB Rating, Add	58.25	
For 300 LB Rating, Cast Steel, Weld End, Wedge, Add	131.04	
23 05 23 00-0320 EA 4" Check Valve, Single Disc Type, Iron Body Wafer Type, 125 LB.....	629.43	292.41
For 150 LB Rating, Add	55.23	
For 200 LB Rating, Add	65.75	
For 300 LB Rating, Add	78.90	
For 300 LB Rating, Cast Steel, Weld End, Wedge, Add	191.64	
23 05 23 00-0321 EA 6" Check Valve, Single Disc Type, Iron Body Wafer Type, 125 LB.....	924.96	410.41
For 150 LB Rating, Add	86.51	
For 200 LB Rating, Add	102.99	
For 300 LB Rating, Add	123.59	
For 300 LB Rating, Cast Steel, Weld End, Wedge, Add	287.98	
23 05 23 00-0322 EA 8" Check Valve, Single Disc Type, Iron Body Wafer Type, 125 LB.....	1,220.01	471.97
For 150 LB Rating, Add	132.76	
For 200 LB Rating, Add	158.05	
For 300 LB Rating, Add	189.65	
For 300 LB Rating, Cast Steel, Weld End, Wedge, Add	402.05	
23 05 23 00-0323 EA 10" Check Valve, Single Disc Type, Iron Body Wafer Type, 125 LB.....	1,733.20	574.57
For 150 LB Rating, Add	212.04	
For 200 LB Rating, Add	252.43	
For 300 LB Rating, Add	302.92	
For 300 LB Rating, Cast Steel, Weld End, Wedge, Add	599.07	
23 05 23 00-0324 Twin Disc Type <small>(23 05 23 00-0319)</small>		
23 05 23 00-0325 EA 2" Check Valve, Twin Disc Type, Iron Body Wafer Type, 125 LB.....	317.44	148.58
For 150 LB Rating, Add	27.65	
For 200 LB Rating, Add	32.92	
For 300 LB Rating, Add	39.50	
For 300 LB Rating, Cast Steel, Weld End, Wedge, Add	96.40	
23 05 23 00-0326 EA 2-1/2" Check Valve, Twin Disc Type, Iron Body Wafer Type, 125 LB.....	344.56	148.77
For 150 LB Rating, Add	33.18	
For 200 LB Rating, Add	39.50	
For 300 LB Rating, Add	47.40	
For 300 LB Rating, Cast Steel, Weld End, Wedge, Add	108.41	
23 05 23 00-0327 EA 3" Check Valve, Twin Disc Type, Iron Body Wafer Type, 125 LB.....	402.67	174.43
For 150 LB Rating, Add	38.72	
For 200 LB Rating, Add	46.09	
For 300 LB Rating, Add	55.31	
For 300 LB Rating, Cast Steel, Weld End, Wedge, Add	126.62	
23 05 23 00-0328 EA 4" Check Valve, Twin Disc Type, Iron Body Wafer Type, 125 LB.....	600.56	292.41
For 150 LB Rating, Add	49.17	
For 200 LB Rating, Add	58.53	
For 300 LB Rating, Add	70.24	
For 300 LB Rating, Cast Steel, Weld End, Wedge, Add	178.64	
23 05 23 00-0329 EA 6" Check Valve, Twin Disc Type, Iron Body Wafer Type, 125 LB.....	890.55	410.41
For 150 LB Rating, Add	79.28	
For 200 LB Rating, Add	94.39	
For 300 LB Rating, Add	113.26	
For 300 LB Rating, Cast Steel, Weld End, Wedge, Add	272.50	
23 05 23 00-0330 EA 8" Check Valve, Twin Disc Type, Iron Body Wafer Type, 125 LB.....	1,162.87	471.97
For 150 LB Rating, Add	121.08	
For 200 LB Rating, Add	144.14	
For 300 LB Rating, Add	172.97	
For 300 LB Rating, Cast Steel, Weld End, Wedge, Add	376.72	
23 05 23 00-0331 EA 10" Check Valve, Twin Disc Type, Iron Body Wafer Type, 125 LB.....	1,631.62	51.30
For 150 LB Rating, Add	191.75	
For 200 LB Rating, Add	228.28	
For 300 LB Rating, Add	273.93	
For 300 LB Rating, Cast Steel, Weld End, Wedge, Add	554.60	
23 05 23 00-0332 EA 12" Check Valve, Twin Disc Type, Iron Body Wafer Type, 125 LB.....	2,092.87	697.70
For 150 LB Rating, Add	256.91	
For 200 LB Rating, Add	305.84	
For 300 LB Rating, Add	367.01	
For 300 LB Rating, Cast Steel, Weld End, Wedge, Add	724.41	
23 05 23 00-0333 EA 14" Check Valve, Twin Disc Type, Iron Body Wafer Type, 125 LB.....	3,533.02	784.02
For 150 LB Rating, Add	522.41	
For 200 LB Rating, Add	621.92	
For 300 LB Rating, Add	746.30	
For 300 LB Rating, Cast Steel, Weld End, Wedge, Add	1,328.52	
23 05 23 00-0334 EA 16" Check Valve, Twin Disc Type, Iron Body Wafer Type, 125 LB.....	4,661.89	919.91
For 150 LB Rating, Add	737.52	
For 200 LB Rating, Add	878.00	
For 300 LB Rating, Add	1,053.60	
For 300 LB Rating, Cast Steel, Weld End, Wedge, Add	1,810.38	
23 05 23 00-0335 EA 18" Check Valve, Twin Disc Type, Iron Body Wafer Type, 125 LB.....	6,046.05	1,024.45
For 150 LB Rating, Add	1,001.36	
For 200 LB Rating, Add	1,192.10	
For 300 LB Rating, Add	1,430.52	
For 300 LB Rating, Cast Steel, Weld End, Wedge, Add	2,401.31	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0336 EA 20" Check Valve, Twin Disc Type, Iron Body Wafer Type, 125 LB..... <i>For 150 LB Rating, Add</i> <i>For 200 LB Rating, Add</i> <i>For 300 LB Rating, Add</i> <i>For 300 LB Rating, Cast Steel, Weld End, Wedge, Add</i>	7,139.78 1,197.51 1,425.60 1,710.72 2,853.56	1,149.89
23 05 23 00-0337 EA 24" Check Valve, Twin Disc Type, Iron Body Wafer Type, 125 LB..... <i>For 150 LB Rating, Add</i> <i>For 200 LB Rating, Add</i> <i>For 300 LB Rating, Add</i> <i>For 300 LB Rating, Cast Steel, Weld End, Wedge, Add</i>	9,261.84 1,573.48 1,873.20 2,247.83 3,725.56	1,411.23
23 05 23 00-0338 Lift Check Valves (23 05 23 00-0314)		
23 05 23 00-0339 Bronze Body, Threaded, Vertical Lift Check Valves (23 05 23 00-0338)		
<i>Note: Watts #600 series.</i>		
23 05 23 00-0340 EA 3/8" Lift Check Valve, Bronze, Threaded.....	65.16	11.14
23 05 23 00-0341 EA 1/2" Lift Check Valve, Bronze, Threaded.....	68.82	11.14
23 05 23 00-0342 EA 3/4" Lift Check Valve, Bronze, Threaded.....	89.39	11.70
23 05 23 00-0343 EA 1" Lift Check Valve, Bronze, Threaded.....	114.53	11.70
23 05 23 00-0344 EA 1-1/4" Lift Check Valve, Bronze, Threaded.....	154.38	14.82
23 05 23 00-0345 EA 1-1/2" Lift Check Valve, Bronze, Threaded.....	184.89	17.16
23 05 23 00-0346 EA 2" Lift Check Valve, Bronze, Threaded.....	250.41	20.28
23 05 23 00-0347 Bronze Body, Threaded, 300 LB, Lift Check Valves (23 05 23 00-0338)		
<i>Note: Crane 366E.</i>		
23 05 23 00-0348 EA 1/2" Lift Check Valve, Bronze, Threaded, 300 LB.....	293.43	11.14
23 05 23 00-0349 EA 3/4" Lift Check Valve, Bronze, Threaded, 300 LB.....	359.43	11.70
23 05 23 00-0350 EA 1" Lift Check Valve, Bronze, Threaded, 300 LB.....	627.12	11.70
23 05 23 00-0351 EA 1-1/4" Lift Check Valve, Bronze, Threaded, 300 LB.....	833.36	14.82
23 05 23 00-0352 EA 1-1/2" Lift Check Valve, Bronze, Threaded, 300 LB.....	908.34	17.16
23 05 23 00-0353 EA 2" Lift Check Valve, Bronze, Threaded, 300 LB.....	1,161.32	20.28
23 05 23 00-0354 Iron Body, Flanged, 125 LB Vertical Lift Check Valves (23 05 23 00-0338)		
<i>Note: Mueller 105MAP.</i>		
23 05 23 00-0355 EA 2" Lift Check Valve, Iron Body, Flanged, 125 LB.....	512.12	148.54
23 05 23 00-0356 EA 2-1/2" Lift Check Valve, Iron Body, Flanged, 125 LB.....	695.10	148.71
23 05 23 00-0357 EA 3" Lift Check Valve, Iron Body, Flanged, 125 LB.....	766.65	174.36
23 05 23 00-0358 EA 4" Lift Check Valve, Iron Body, Flanged, 125 LB.....	1,103.29	292.30
23 05 23 00-0359 EA 5" Lift Check Valve, Iron Body, Flanged, 125 LB.....	1,372.50	338.33
23 05 23 00-0360 EA 6" Lift Check Valve, Iron Body, Flanged, 125 LB.....	1,657.59	375.93
23 05 23 00-0361 EA 8" Lift Check Valve, Iron Body, Flanged, 125 LB.....	2,710.84	432.32
23 05 23 00-0362 EA 10" Lift Check Valve, Iron Body, Flanged, 125 LB.....	3,394.81	526.30
23 05 23 00-0363 EA 12" Lift Check Valve, Iron Body, Flanged, 125 LB.....	5,350.91	639.08
23 05 23 00-0364 EA 14" Lift Check Valve, Iron Body, Flanged, 125 LB.....	7,194.07	742.58
23 05 23 00-0365 EA 16" Lift Check Valve, Iron Body, Flanged, 125 LB.....	7,967.80	871.30
23 05 23 00-0366 Bronze Body Swing Check Valves (23 05 23 00-0314)		
23 05 23 00-0367 Bronze Body, Threaded, Brazed Or Soldered Installation, 125 LB, Swing Check Valves (23 05 23 00-0366)		
23 05 23 00-0368 EA 1/8" Swing Check Valve, Bronze, Threaded, Brazed Or Soldered, 125 LB..... <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	52.22 6.35 10.79	11.14
23 05 23 00-0369 EA 1/4" Swing Check Valve, Bronze, Threaded, Brazed Or Soldered, 125 LB..... <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	48.72 6.35 9.74	11.14
23 05 23 00-0370 EA 3/8" Swing Check Valve, Bronze, Threaded, Brazed Or Soldered, 125 LB..... <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	50.43 6.35 10.25	11.14
23 05 23 00-0371 EA 1/2" Swing Check Valve, Bronze, Threaded, Brazed Or Soldered, 125 LB..... <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	52.86 6.59 10.79	11.14
23 05 23 00-0372 EA 3/4" Swing Check Valve, Bronze, Threaded, Brazed Or Soldered, 125 LB..... <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	68.94 7.99 14.54	11.70
23 05 23 00-0373 EA 1" Swing Check Valve, Bronze, Threaded, Brazed Or Soldered, 125 LB..... <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	86.47 10.85 17.60	11.70
23 05 23 00-0374 EA 1-1/4" Swing Check Valve, Bronze, Threaded, Brazed Or Soldered, 125 LB..... <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	113.35 15.23 22.29	14.82
23 05 23 00-0375 EA 1-1/2" Swing Check Valve, Bronze, Threaded, Brazed Or Soldered, 125 LB..... <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	140.41 21.33 25.72	17.16
23 05 23 00-0376 EA 2" Swing Check Valve, Bronze, Threaded, Brazed Or Soldered, 125 LB..... <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	171.62 27.42 30.39	20.28
23 05 23 00-0377 EA 2-1/2" Swing Check Valve, Bronze, Threaded, Brazed Or Soldered, 125 LB..... <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	298.40 63.04 41.03	27.38

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 05 Common Work Results For HVAC****23 05 23 General-Duty Valves For HVAC Piping**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0378	EA		3" Swing Check Valve, Bronze, Threaded, Brazed Or Soldered, 125 LB <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	387.69 89.66 47.34	31.80
23 05 23 00-0379	EA		4" Swing Check Valve, Bronze, Threaded, Brazed Or Soldered, 125 LB <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	439.64 101.46 53.84	35.90
23 05 23 00-0380			125 LB Flanged, Iron Body, Bronze Trim, Swing Check Valves <small>(23 05 23 00-0314)</small>		
23 05 23 00-0381	EA		1" 125 LB Flanged, Iron Body, Bronze Trim, Swing Check Valves..... <i>For 150 LB Rating, Add</i> <i>For 250 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	250.14 98.61 188.51 31.54	83.57
23 05 23 00-0382	EA		1-1/4" 125 LB Flanged, Iron Body, Bronze Trim, Swing Check Valves..... <i>For 150 LB Rating, Add</i> <i>For 250 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	280.89 108.64 207.69 36.34	97.50
23 05 23 00-0383	EA		1-1/2" 125 LB Flanged, Iron Body, Bronze Trim, Swing Check Valves..... <i>For 150 LB Rating, Add</i> <i>For 250 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	319.89 117.82 225.25 43.99	117.01
23 05 23 00-0384	EA		2" 125 LB Flanged, Iron Body, Bronze Trim, Swing Check Valves..... <i>For 150 LB Rating, Add</i> <i>For 250 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	400.92 146.34 279.76 55.72	148.54
23 05 23 00-0385	EA		2-1/2" 125 LB Flanged, Iron Body, Bronze Trim, Swing Check Valves..... <i>For 150 LB Rating, Add</i> <i>For 250 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	437.62 170.78 326.50 55.94	148.71
23 05 23 00-0386	EA		3" 125 LB Flanged, Iron Body, Bronze Trim, Swing Check Valves..... <i>For 150 LB Rating, Add</i> <i>For 250 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	491.15 185.59 354.81 65.47	174.36
23 05 23 00-0387	EA		4" 125 LB Flanged, Iron Body, Bronze Trim, Swing Check Valves..... <i>For 150 LB Rating, Add</i> <i>For 250 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	788.08 286.82 548.33 109.89	292.30
23 05 23 00-0388	EA		5" 125 LB Flanged, Iron Body, Bronze Trim, Swing Check Valves..... <i>For 150 LB Rating, Add</i> <i>For 250 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,043.71 421.11 805.06 127.33	338.33
23 05 23 00-0389	EA		6" 125 LB Flanged, Iron Body, Bronze Trim, Swing Check Valves..... <i>For 150 LB Rating, Add</i> <i>For 250 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,187.93 488.25 933.43 140.97	375.93
23 05 23 00-0390	EA		8" 125 LB Flanged, Iron Body, Bronze Trim, Swing Check Valves..... <i>For 150 LB Rating, Add</i> <i>For 250 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	2,329.67 1,219.00 2,330.43 161.11	432.32
23 05 23 00-0391	EA		10" 125 LB Flanged, Iron Body, Bronze Trim, Swing Check Valves..... <i>For 150 LB Rating, Add</i> <i>For 250 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	3,098.04 1,659.32 3,172.22 197.36	526.30
23 05 23 00-0392	EA		12" 125 LB Flanged, Iron Body, Bronze Trim, Swing Check Valves..... <i>For 150 LB Rating, Add</i> <i>For 250 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	4,602.74 2,587.62 4,946.92 239.23	639.08
23 05 23 00-0393	EA		14" 125 LB Flanged, Iron Body, Bronze Trim, Swing Check Valves..... <i>For 150 LB Rating, Add</i> <i>For 250 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	5,298.26 2,929.54 5,600.58 297.04	742.58
23 05 23 00-0394	EA		16" 125 LB Flanged, Iron Body, Bronze Trim, Swing Check Valves..... <i>For 150 LB Rating, Add</i> <i>For 250 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	7,363.91 4,266.85 8,157.21 326.74	871.30
23 05 23 00-0395	EA		18" 125 LB Flanged, Iron Body, Bronze Trim, Swing Check Valves..... <i>For 150 LB Rating, Add</i> <i>For 250 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	11,072.33 6,706.29 12,820.85 363.04	970.31
23 05 23 00-0396	EA		20" 125 LB Flanged, Iron Body, Bronze Trim, Swing Check Valves..... <i>For 150 LB Rating, Add</i> <i>For 250 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	15,087.93 9,334.03 17,844.48 408.42	1,089.13
23 05 23 00-0397	EA		24" 125 LB Flanged, Iron Body, Bronze Trim, Swing Check Valves..... <i>For 150 LB Rating, Add</i> <i>For 250 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	20,891.85 13,067.06 24,981.14 502.68	1,336.66
23 05 23 00-0398			Class 800 Forged Steel, Screwed, Chrome Trim, Bolted Bonnet, Piston Check, Swing Check Valves <small>(23 05 23 00-0314)</small> Note: 800 PSIG at 850 Degrees F.		
23 05 23 00-0399	EA		1/2" Class 800, Threaded, Forged Steel Swing Check Valve..... <i>For Work In Restricted Working Space, Add</i>	92.31 10.79	11.14



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0400 EA 3/4" 800, Threaded, Forged Steel Swing Check Valve..... <i>For Work In Restricted Working Space, Add</i>	112.44 14.54	12.26
23 05 23 00-0401 EA 1" Class 800, Threaded, Forged Steel Swing Check Valve..... <i>For Work In Restricted Working Space, Add</i>	133.79 17.60	13.93
23 05 23 00-0402 EA 1-1/4" Class 800, Threaded, Forged Steel Swing Check Valve..... <i>For Work In Restricted Working Space, Add</i>	197.18 22.29	14.82
23 05 23 00-0403 EA 1-1/2" 800, Threaded, Forged Steel Swing Check Valve..... <i>For Work In Restricted Working Space, Add</i>	232.48 25.72	17.16
23 05 23 00-0404 EA 2" Class 800, Threaded, Forged Steel Swing Check Valve..... <i>For Work In Restricted Working Space, Add</i>	305.59 30.39	20.28
23 05 23 00-0405 Swing Check Valves, 150 LB Polyvinyl Chloride (PVC) Socket Weld End Connections <small>(23 05 23 00-0314)</small>		
23 05 23 00-0406 EA 1/2" Check Valve, Duplex Polyvinyl Chloride (PVC), Socket Weld, 150 LB..... <i>For Work In Restricted Working Space, Add</i>	48.44 10.79	11.14
23 05 23 00-0407 EA 3/4" Check Valve, Duplex Polyvinyl Chloride (PVC), Socket Weld, 150 LB..... <i>For Work In Restricted Working Space, Add</i>	60.94 14.54	12.26
23 05 23 00-0408 EA 1" Check Valve, Duplex Polyvinyl Chloride (PVC), Socket Weld, 150 LB..... <i>For Work In Restricted Working Space, Add</i>	71.63 17.60	13.93
23 05 23 00-0409 EA 1-1/4" Check Valve, Duplex Polyvinyl Chloride (PVC), Socket Weld, 150 LB..... <i>For Work In Restricted Working Space, Add</i>	87.81 22.29	14.82
23 05 23 00-0410 EA 1-1/2" Check Valve, Duplex Polyvinyl Chloride (PVC), Socket Weld, 150 LB..... <i>For Work In Restricted Working Space, Add</i>	100.02 25.72	17.16
23 05 23 00-0411 EA 2" Check Valve, Duplex Polyvinyl Chloride (PVC), Socket Weld, 150 LB..... <i>For Work In Restricted Working Space, Add</i>	123.53 30.39	20.28
23 05 23 00-0412 EA 2-1/2" Check Valve, Duplex Polyvinyl Chloride (PVC), Socket Weld, 150 LB..... <i>For Work In Restricted Working Space, Add</i>	168.40 41.03	27.38
23 05 23 00-0413 EA 3" Check Valve, Duplex Polyvinyl Chloride (PVC), Socket Weld, 150 LB..... <i>For Work In Restricted Working Space, Add</i>	198.86 47.34	31.80
23 05 23 00-0414 Diaphragm Valves <small>(23 05 23)</small>		
23 05 23 00-0415 Polytetrafluoroethylene (PTFE) Or Viton Lined, Threaded Cast Iron Diaphragm Valves <small>(23 05 23 00-0414)</small>		
23 05 23 00-0416 EA 1/2" Diaphragm Valve, Cast Iron, 150 LB, Threaded, Polytetrafluoroethylene (PTFE) or Viton Lined, Hand Wheel Operated.....	144.83	33.34
23 05 23 00-0417 EA 3/4" Diaphragm Valve, Cast Iron, 150 LB, Threaded, Polytetrafluoroethylene (PTFE) or Viton Lined, Hand Wheel Operated.....	178.80	36.92
23 05 23 00-0418 EA 1" Diaphragm Valve, Cast Iron, 150 LB, Threaded, Polytetrafluoroethylene (PTFE) or Viton Lined, Hand Wheel Operated.....	200.50	45.64
23 05 23 00-0419 EA 1-1/2" Diaphragm Valve, Cast Iron, 150 LB, Threaded, Polytetrafluoroethylene (PTFE) or Viton Lined, Hand Wheel Operated.....	313.53	68.20
23 05 23 00-0420 EA 2" Diaphragm Valve, Cast Iron, 150 LB, Threaded, Polytetrafluoroethylene (PTFE) or Viton Lined, Hand Wheel Operated.....	471.64	82.05
23 05 23 00-0421 Polytetrafluoroethylene (PTFE) Or Viton Lined, Flanged Cast Iron Diaphragm Valves <small>(23 05 23 00-0414)</small>		
23 05 23 00-0422 EA 1/2" Diaphragm Valve, Cast Iron, 150 LB, Flanged, Polytetrafluoroethylene (PTFE) or Viton Lined, Hand Wheel Operated.....	178.26	50.15
23 05 23 00-0423 EA 3/4" Diaphragm Valve, Cast Iron, 150 LB, Flanged, Polytetrafluoroethylene (PTFE) or Viton Lined, Hand Wheel Operated.....	204.27	55.71
23 05 23 00-0424 EA 1" Diaphragm Valve, Cast Iron, 150 LB, Flanged, Polytetrafluoroethylene (PTFE) or Viton Lined, Hand Wheel Operated.....	248.47	83.57
23 05 23 00-0425 EA 1-1/2" Diaphragm Valve, Cast Iron, 150 LB, Flanged, Polytetrafluoroethylene (PTFE) or Viton Lined, Hand Wheel Operated.....	369.58	117.01
23 05 23 00-0426 EA 2" Diaphragm Valve, Cast Iron, 150 LB, Flanged, Polytetrafluoroethylene (PTFE) or Viton Lined, Hand Wheel Operated.....	563.40	148.54
23 05 23 00-0427 EA 2-1/2" Diaphragm Valve, Cast Iron, 150 LB, Flanged, Polytetrafluoroethylene (PTFE) or Viton Lined, Hand Wheel Operated.....	693.28	148.71
23 05 23 00-0428 EA 3" Diaphragm Valve, Cast Iron, 150 LB, Flanged, Polytetrafluoroethylene (PTFE) or Viton Lined, Hand Wheel Operated.....	854.14	174.36
23 05 23 00-0429 EA 4" Diaphragm Valve, Cast Iron, 150 LB, Flanged, Polytetrafluoroethylene (PTFE) or Viton Lined, Hand Wheel Operated.....	1,239.25	292.30
23 05 23 00-0430 EA 6" Diaphragm Valve, Cast Iron, 150 LB, Flanged, Polytetrafluoroethylene (PTFE) or Viton Lined, Hand Wheel Operated.....	2,425.67	375.93
23 05 23 00-0431 EA 8" Diaphragm Valve, Cast Iron, 150 LB, Flanged, Polytetrafluoroethylene (PTFE) or Viton Lined, Hand Wheel Operated.....	3,638.38	432.32
23 05 23 00-0432 Ethylene Propylene Diene Monomer (EPDM) Lined, Threaded Cast Iron Diaphragm Valves <small>(23 05 23 00-0414)</small>		
23 05 23 00-0433 EA 1/2" Diaphragm Valve, Cast Iron, 150 LB, Threaded, Ethylene Propylene Diene Monomer (EPDM) Lined, Hand Wheel Operated.....	104.11	33.34
23 05 23 00-0434 EA 3/4" Diaphragm Valve, Cast Iron, 150 LB, Threaded, Ethylene Propylene Diene Monomer (EPDM) Lined, Hand Wheel Operated.....	128.43	36.92
23 05 23 00-0435 EA 1" Diaphragm Valve, Cast Iron, 150 LB, Threaded, Ethylene Propylene Diene Monomer (EPDM) Lined, Hand Wheel Operated.....	150.13	45.64
23 05 23 00-0436 EA 1-1/2" Diaphragm Valve, Cast Iron, 150 LB, Threaded, Ethylene Propylene Diene Monomer (EPDM) Lined, Hand Wheel Operated.....	244.93	68.20

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 05 Common Work Results For HVAC****23 05 23 General-Duty Valves For HVAC Piping**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0437 EA 2" Diaphragm Valve, Cast Iron, 150 LB, Threaded, Ethylene Propylene Diene Monomer (EPDM) Lined, Hand Wheel Operated.....	311.94	82.05
23 05 23 00-0438 Ethylene Propylene Diene Monomer (EPDM) Lined, Flanged Cast Iron Diaphragm Valves <small>(23 05 23 00-0414)</small>		
23 05 23 00-0439 EA 1/2" Diaphragm Valve, Cast Iron, 150 LB, Flanged, Ethylene Propylene Diene Monomer (EPDM) Lined, Hand Wheel Operated.....	135.01	50.15
23 05 23 00-0440 EA 3/4" Diaphragm Valve, Cast Iron, 150 LB, Flanged, Ethylene Propylene Diene Monomer (EPDM) Lined, Hand Wheel Operated.....	150.81	55.71
23 05 23 00-0441 EA 1" Diaphragm Valve, Cast Iron, 150 LB, Flanged, Ethylene Propylene Diene Monomer (EPDM) Lined, Hand Wheel Operated.....	195.00	83.57
23 05 23 00-0442 EA 1-1/2" Diaphragm Valve, Cast Iron, 150 LB, Flanged, Ethylene Propylene Diene Monomer (EPDM) Lined, Hand Wheel Operated.....	296.78	117.01
23 05 23 00-0443 EA 2" Diaphragm Valve, Cast Iron, 150 LB, Flanged, Ethylene Propylene Diene Monomer (EPDM) Lined, Hand Wheel Operated.....	393.90	148.54
23 05 23 00-0444 EA 2-1/2" Diaphragm Valve, Cast Iron, 150 LB, Flanged, Ethylene Propylene Diene Monomer (EPDM) Lined, Hand Wheel Operated.....	457.89	148.71
23 05 23 00-0445 EA 3" Diaphragm Valve, Cast Iron, 150 LB, Flanged, Ethylene Propylene Diene Monomer (EPDM) Lined, Hand Wheel Operated.....	552.68	174.36
23 05 23 00-0446 EA 4" Diaphragm Valve, Cast Iron, 150 LB, Flanged, Ethylene Propylene Diene Monomer (EPDM) Lined, Hand Wheel Operated.....	883.90	292.30
23 05 23 00-0447 EA 6" Diaphragm Valve, Cast Iron, 150 LB, Flanged, Ethylene Propylene Diene Monomer (EPDM) Lined, Hand Wheel Operated.....	1,629.54	375.93
23 05 23 00-0448 EA 8" Diaphragm Valve, Cast Iron, 150 LB, Flanged, Ethylene Propylene Diene Monomer (EPDM) Lined, Hand Wheel Operated.....	2,375.66	432.32
23 05 23 00-0449 125 LB, Hand Wheel Operated, Flanged Cast Iron Diaphragm Valves <small>(23 05 23 00-0414)</small>		
23 05 23 00-0450 EA 1" Diaphragm Valve, Cast Iron, 125 LB, Flanged	232.36	83.57
23 05 23 00-0451 EA 1-1/2" Diaphragm Valve, Cast Iron, 125 LB, Flanged	363.67	117.01
23 05 23 00-0452 EA 2" Diaphragm Valve, Cast Iron, 125 LB, Flanged	483.22	148.54
23 05 23 00-0453 EA 2-1/2" Diaphragm Valve, Cast Iron, 125 LB, Flanged	650.49	148.71
23 05 23 00-0454 EA 3" Diaphragm Valve, Cast Iron, 125 LB, Flanged	725.27	174.36
23 05 23 00-0455 EA 4" Diaphragm Valve, Cast Iron, 125 LB, Flanged	1,150.26	292.30
23 05 23 00-0456 EA 6" Diaphragm Valve, Cast Iron, 125 LB, Flanged	2,172.55	375.93
23 05 23 00-0457 EA 8" Diaphragm Valve, Cast Iron, 125 LB, Flanged	4,245.41	432.32
23 05 23 00-0458 Solenoid Valves <small>(23 05 23)</small>		
23 05 23 00-0459 Bronze Body Solenoid Valves, 150 PSI Maximum Water Pressure <small>(23 05 23 00-0458)</small>		
23 05 23 00-0460 EA 1/4" Solenoid Valve, Bronze, 150 PSI, Water	70.67	11.14
23 05 23 00-0461 EA 1/2" Solenoid Valve, Bronze, 150 PSI, Water	81.02	11.14
23 05 23 00-0462 EA 3/4" Solenoid Valve, Bronze, 150 PSI, Water	105.13	12.26
23 05 23 00-0463 EA 1" Solenoid Valve, Bronze, 150 PSI, Water	147.42	13.93
23 05 23 00-0464 EA 1-1/2" Solenoid Valve, Bronze, 150 PSI, Water	249.60	17.16
23 05 23 00-0465 EA 2" Solenoid Valve, Bronze, 150 PSI, Water	371.49	20.28
23 05 23 00-0466 EA 2-1/2" Solenoid Valve, Bronze, 150 PSI, Water	505.25	27.38
23 05 23 00-0467 EA 3" Solenoid Valve, Bronze, 150 PSI, Water	709.11	31.80
23 05 23 00-0468 Flow Control Valves And Meters <small>(23 05 23)</small>		
23 05 23 00-0469 Conditioned Water Balancing Valves <small>(23 05 23 00-0468)</small>		
Note: Working pressures up to 300 PSIG. Iron and bronze body construction (combination balancing, flow measuring and shut-off). Excludes portable read-out meter.		
23 05 23 00-0470 EA 1/2" NPT Flow Control Valve, Iron And Bronze, Water Balancing Valve With Pressures Up To 300 PSIG	107.21	56.85
23 05 23 00-0471 EA 3/4" NPT Flow Control Valve, Iron And Bronze, Water Balancing Valve With Pressures Up To 300 PSIG	134.07	75.79
23 05 23 00-0472 EA 1" NPT Flow Control Valve, Iron And Bronze, Water Balancing Valve With Pressures Up To 300 PSIG	189.13	86.61
23 05 23 00-0473 EA 1-1/4" NPT Flow Control Valve, Iron And Bronze, Water Balancing Valve With Pressures Up To 300 PSIG	243.06	107.01
23 05 23 00-0474 EA 1-1/2" NPT Flow Control Valve, Iron And Bronze, Water Balancing Valve With Pressures Up To 300 PSIG	274.42	113.69
23 05 23 00-0475 EA 2" NPT Flow Control Valve, Iron And Bronze, Water Balancing Valve With Pressures Up To 300 PSIG	354.15	129.97
23 05 23 00-0476 EA 2-1/2" NPT Flow Control Valve, Iron And Bronze, Water Balancing Valve With Pressures Up To 300 PSIG	660.40	226.14
23 05 23 00-0477 EA 3" NPT Flow Control Valve, Iron And Bronze, Water Balancing Valve With Pressures Up To 300 PSIG	884.02	258.45
23 05 23 00-0478 EA 3" Flanged Flow Control Valve, Iron And Bronze, Water Balancing Valve With Pressures Up To 300 PSIG	1,203.72	301.65
23 05 23 00-0479 EA 4" Flanged Flow Control Valve, Iron And Bronze, Water Balancing Valve With Pressures Up To 300 PSIG	1,358.28	312.43
23 05 23 00-0480 EA 6" Flanged Flow Control Valve, Iron And Bronze, Water Balancing Valve With Pressures Up To 300 PSIG	1,512.01	323.20
23 05 23 00-0481 EA 8" Flanged Flow Control Valve, Iron And Bronze, Water Balancing Valve With Pressures Up To 300 PSIG	2,457.08	369.37
23 05 23 00-0482 EA 10" Flanged Flow Control Valve, Iron And Bronze, Water Balancing Valve With Pressures Up To 300 PSIG	4,085.49	410.41
23 05 23 00-0483 Read Out Meters <small>(23 05 23 00-0468)</small>		
Note: For use with conditioned portable water balancing valves.		
23 05 23 00-0484 EA 0.5 - 25% Accuracy Read Out Meter For Use With Portable Water Balancing Valve	502.11	
23 05 23 00-0485 EA 0.5 - 50% Accuracy Read Out Meter For Use With Portable Water Balancing Valve	679.50	
23 05 23 00-0486 EA 0.5 - 75% Accuracy Read Out Meter For Use With Portable Water Balancing Valve	679.50	
23 05 23 00-0487 EA 0.5 - 100% Accuracy Read Out Meter For Use With Portable Water Balancing Valve	679.50	
23 05 23 00-0488 Balancing Valves <small>(23 05 23)</small>		



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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23 05 23 00-0489	Balancing Valves With Lever <small>(23 05 23 00-0488)</small>					
	Note: DeZurik PEC eccentric, non-lubricated plug valves, cast iron high temperature faced plug, nickel seats, buna vee packing, bronze bearings with integral gage taps and schrader fittings for metering connections.					
	23 05 23 00-0490	EA		1/2" Threaded Balancing Valve With Lever	164.54	35.11
	23 05 23 00-0491	EA		3/4" Threaded Balancing Valve With Lever	190.20	46.26
	23 05 23 00-0492	EA		1" Threaded Balancing Valve With Lever	205.86	52.95
	23 05 23 00-0493	EA		1-1/4" Threaded Balancing Valve With Lever	239.33	65.76
	23 05 23 00-0494	EA		1-1/2" Threaded Balancing Valve With Lever	256.12	69.66
	23 05 23 00-0495	EA		2" Threaded Balancing Valve With Lever	285.75	79.70
	23 05 23 00-0496	EA		2-1/2" Flanged Balancing Valve With Lever.....	527.88	141.08
	23 05 23 00-0497	EA		3" Flanged Balancing Valve With Lever.....	653.56	188.28
	23 05 23 00-0498	EA		4" Flanged Balancing Valve With Lever.....	838.74	218.03
	23 05 23 00-0499	EA		5" Flanged Balancing Valve With Lever.....	1,193.00	256.51
	23 05 23 00-0500	EA		6" Flanged Balancing Valve With Lever.....	1,265.34	292.93
	23 05 23 00-0501	EA		8" Flanged Balancing Valve With Lever.....	1,600.62	328.33

23 05 23 00-0502	Balancing Valves With Nut <small>(23 05 23 00-0488)</small>					
	Note: DeZurik PEC eccentric, non-lubricated plug valves, cast iron high temperature faced plug, nickel seats, buna vee packing, bronze bearings with integral gage taps and schrader fittings for metering connections.					
	23 05 23 00-0503	EA		4" Flanged Balancing Valve With Nut	807.11	218.03
	23 05 23 00-0504	EA		5" Flanged Balancing Valve With Nut	1,152.86	256.51
	23 05 23 00-0505	EA		6" Flanged Balancing Valve With Nut	1,225.20	292.93
	23 05 23 00-0506	EA		8" Flanged Balancing Valve With Nut	1,544.66	328.33

23 05 23 00-0507	Balancing Valves With Hand Wheel <small>(23 05 23 00-0488)</small>					
	Note: DeZurik PEC eccentric, non-lubricated plug valves, cast iron high temperature faced plug, nickel seats, buna vee packing, bronze bearings with integral gage taps and schrader fittings for metering connections.					
	23 05 23 00-0508	EA		4" Flanged Balancing Valve With Hand Wheel.....	1,044.32	218.03
	23 05 23 00-0509	EA		5" Flanged Balancing Valve With Hand Wheel.....	1,474.61	292.93
	23 05 23 00-0510	EA		6" Flanged Balancing Valve With Hand Wheel.....	1,402.23	256.51
	23 05 23 00-0511	EA		8" Flanged Balancing Valve With Hand Wheel.....	1,745.87	292.93
	23 05 23 00-0512	EA		10" Flanged Balancing Valve With Hand Wheel.....	2,534.95	358.80
	23 05 23 00-0513	EA		12" Flanged Balancing Valve With Hand Wheel.....	3,266.35	443.54
	23 05 23 00-0514	EA		14" Flanged Balancing Valve With Hand Wheel.....	4,232.91	459.75

23 05 23 00-0515	Balancing Valves With Chain Wheel <small>(23 05 23 00-0488)</small>					
	Note: DeZurik PEC eccentric, non-lubricated plug valves, cast iron high temperature faced plug, nickel seats, buna vee packing, bronze bearings with integral gage taps and schrader fittings for metering connections.					
	23 05 23 00-0516	EA		4" Flanged Balancing Valve With Chain Wheel	1,173.26	218.03
	23 05 23 00-0517	EA		5" Flanged Balancing Valve With Chain Wheel	1,604.77	292.93
	23 05 23 00-0518	EA		6" Flanged Balancing Valve With Chain Wheel	1,532.39	256.51
	23 05 23 00-0519	EA		8" Flanged Balancing Valve With Chain Wheel	1,874.82	292.93
	23 05 23 00-0520	EA		10" Flanged Balancing Valve With Chain Wheel	2,665.47	358.80
	23 05 23 00-0521	EA		12" Flanged Balancing Valve With Chain Wheel	3,425.97	443.23
	23 05 23 00-0522	EA		14" Flanged Balancing Valve With Chain Wheel	4,390.16	459.96

23 05 23 00-0523	Calibrated Balancing Valves <small>(23 05 23 00-0488)</small>					
	Note: Bell & Gossett CB Series.					
	23 05 23 00-0524	EA		1/2" Brazed Or Soldered Calibrated Balancing Valve (CB-1/2S).....	85.02	11.15
	23 05 23 00-0525	EA		3/4" Brazed Or Soldered Calibrated Balancing Valve (CB-3/4S).....	102.42	12.26
	23 05 23 00-0526	EA		1" Brazed Or Soldered Calibrated Balancing Valve (CB-1S).....	124.90	13.93
	23 05 23 00-0527	EA		1-1/4" Brazed Or Soldered Calibrated Balancing Valve (CB-1-1/4S).....	166.30	14.83
	23 05 23 00-0528	EA		1" Threaded Calibrated Balancing Valve (CB-1).....	131.64	13.93
	23 05 23 00-0529	EA		1-1/4" Threaded Calibrated Balancing Valve (CB-1-1/4).....	177.95	14.83
	23 05 23 00-0530	EA		1-1/2" Threaded Calibrated Balancing Valve (CB-1-1/2).....	206.55	17.17
	23 05 23 00-0531	EA		2" Threaded Calibrated Balancing Valve (CB-2).....	273.03	20.29
	23 05 23 00-0532	EA		2-1/2" Threaded Calibrated Balancing Valve (CB-2-1/2).....	491.99	29.77
	23 05 23 00-0533	EA		3" Threaded Calibrated Balancing Valve (CB-3).....	677.34	34.55
	23 05 23 00-0534	EA		2-1/2" Flanged Calibrated Balancing Valve (CB-2-1/2F).....	656.46	161.62
	23 05 23 00-0535	EA		3" Flanged Calibrated Balancing Valve (CB-3F).....	927.04	189.49
	23 05 23 00-0536	EA		4" Flanged Calibrated Balancing Valve (CB-4F).....	1,412.27	317.68
	23 05 23 00-0537	EA		5" Flanged Calibrated Balancing Valve (CB-5F).....	2,106.96	401.28
	23 05 23 00-0538	EA		6" Flanged Calibrated Balancing Valve (CB-6F).....	2,718.93	445.86
	23 05 23 00-0539	EA		8" Flanged Calibrated Balancing Valve (CB-8F).....	4,699.53	512.74
	23 05 23 00-0540	EA		10" Flanged Calibrated Balancing Valve (CB-10F).....	6,483.23	585.40
	23 05 23 00-0541	EA		12" Flanged Calibrated Balancing Valve (CB-12F).....	13,316.43	710.84
	23 05 23 00-0542	EA		4" Grooved Calibrated Balancing Valve (CB-4G).....	1,560.35	38.36
	23 05 23 00-0543	EA		5" Grooved Calibrated Balancing Valve (CB-5G).....	1,800.71	47.93
	23 05 23 00-0544	EA		6" Grooved Calibrated Balancing Valve (CB-6G).....	2,391.69	61.46
	23 05 23 00-0545	EA		8" Grooved Calibrated Balancing Valve (CB-8G).....	4,452.03	78.00
	23 05 23 00-0546	EA		10" Grooved Calibrated Balancing Valve (CB-10G).....	5,973.55	87.40
	23 05 23 00-0547	EA		12" Grooved Calibrated Balancing Valve (CB-12G).....	12,250.36	106.58

23 05 23 00-0548	Butterfly Valves <small>(23 05 23)</small>					
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23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 05 Common Work Results For HVAC****23 05 23 General-Duty Valves For HVAC Piping**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0549 Cast Iron Body, Iron Disc, Butterfly Valves <small>(23 05 23 00-0549)</small>		
Note: With on-off handle, 150 PSI wafer type.		
23 05 23 00-0550 EA 2" Butterfly Valve, Cast Iron, With Iron Disc, On Off Handle, 150 PSI Wafer Type.....	269.41	148.54
For 200 PSI, Add	40.17	
For 175 PSI, Add	14.65	
For Work In Restricted Working Space, Add	55.72	
23 05 23 00-0551 EA 2-1/2" Butterfly Valve, Cast Iron, With Iron Disc, On Off Handle, 150 PSI Wafer Type.....	275.03	148.71
For 200 PSI, Add	42.51	
For 175 PSI, Add	15.50	
For Work In Restricted Working Space, Add	55.94	
23 05 23 00-0552 EA 3" Butterfly Valve, Cast Iron, With Iron Disc, On Off Handle, 150 PSI Wafer Type.....	313.59	174.36
For 200 PSI, Add	45.78	
For 175 PSI, Add	16.69	
For Work In Restricted Working Space, Add	65.47	
23 05 23 00-0553 EA 4" Butterfly Valve, Cast Iron, With Iron Disc, On Off Handle, 150 PSI Wafer Type.....	485.99	292.30
For 200 PSI, Add	57.46	
For 175 PSI, Add	20.95	
For Work In Restricted Working Space, Add	109.89	
23 05 23 00-0554 EA 5" Butterfly Valve, Cast Iron, With Iron Disc, On Off Handle, 150 PSI Wafer Type.....	594.73	338.33
For 200 PSI, Add	81.74	
For 175 PSI, Add	29.80	
For Work In Restricted Working Space, Add	127.33	
23 05 23 00-0555 EA 6" Butterfly Valve, Cast Iron, With Iron Disc, On Off Handle, 150 PSI Wafer Type.....	678.16	375.93
For 200 PSI, Add	99.96	
For 175 PSI, Add	36.44	
For Work In Restricted Working Space, Add	140.97	
23 05 23 00-0556 EA 8" Butterfly Valve, Cast Iron, With Iron Disc, On Off Handle, 150 PSI Wafer Type.....	850.38	432.32
For 200 PSI, Add	150.41	
For 175 PSI, Add	54.84	
For Work In Restricted Working Space, Add	161.11	
23 05 23 00-0557 EA 10" Butterfly Valve, Cast Iron, With Iron Disc, On Off Handle, 150 PSI Wafer Type.....	1,265.12	526.30
For 200 PSI, Add	291.48	
For 175 PSI, Add	106.27	
For Work In Restricted Working Space, Add	197.36	
23 05 23 00-0558 EA 12" Butterfly Valve, Cast Iron, With Iron Disc, On Off Handle, 150 PSI Wafer Type.....	1,571.08	639.08
For 200 PSI, Add	371.36	
For 175 PSI, Add	135.39	
For Work In Restricted Working Space, Add	239.23	
23 05 23 00-0559 Cast Iron Body, Bronze Disc, Gear Operated, 200 LB, Butterfly Valves <small>(23 05 23 00-0549)</small>		
23 05 23 00-0560 EA 2" Butterfly Valve, Cast Iron, With Bronze Disc Gear Operated, 200 PSI.....	415.38	148.54
For Work In Restricted Working Space, Add	55.72	
23 05 23 00-0561 EA 2-1/2" Butterfly Valve, Cast Iron, With Bronze Disc Gear Operated, 200 PSI.....	418.08	148.71
For Work In Restricted Working Space, Add	55.94	
23 05 23 00-0562 EA 3" Butterfly Valve, Cast Iron, With Bronze Disc Gear Operated, 200 PSI.....	461.51	174.36
For Work In Restricted Working Space, Add	65.47	
23 05 23 00-0563 EA 4" Butterfly Valve, Cast Iron, With Bronze Disc Gear Operated, 200 PSI.....	640.72	292.30
For Work In Restricted Working Space, Add	109.89	
23 05 23 00-0564 EA 5" Butterfly Valve, Cast Iron, With Bronze Disc Gear Operated, 200 PSI.....	766.01	338.33
For Work In Restricted Working Space, Add	127.33	
23 05 23 00-0565 EA 6" Butterfly Valve, Cast Iron, With Bronze Disc Gear Operated, 200 PSI.....	848.41	375.93
For Work In Restricted Working Space, Add	140.97	
23 05 23 00-0566 EA 8" Butterfly Valve, Cast Iron, With Bronze Disc Gear Operated, 200 PSI.....	1,027.50	432.32
For Work In Restricted Working Space, Add	161.11	
23 05 23 00-0567 EA 10" Butterfly Valve, Cast Iron, With Bronze Disc Gear Operated, 200 PSI.....	1,291.39	526.30
For Work In Restricted Working Space, Add	197.36	
23 05 23 00-0568 EA 12" Butterfly Valve, Cast Iron, With Bronze Disc Gear Operated, 200 PSI.....	1,718.02	639.08
For Work In Restricted Working Space, Add	239.23	
23 05 23 00-0569 Cast Iron Body, Bronze Disc, Gear Operated, 150 LB, Butterfly Valves <small>(23 05 23 00-0549)</small>		
23 05 23 00-0570 EA 14" Butterfly Valve, Cast Iron, With Bronze Disc Gear Operated, 150 PSI.....	2,633.50	742.58
For 200 PSI, Add	591.62	
For 175 PSI, Add	205.42	
For Work In Restricted Working Space, Add	297.04	
23 05 23 00-0571 EA 16" Butterfly Valve, Cast Iron, With Bronze Disc Gear Operated, 150 PSI.....	3,296.99	871.30
For 200 PSI, Add	794.83	
For 175 PSI, Add	275.98	
For Work In Restricted Working Space, Add	326.74	
23 05 23 00-0572 EA 18" Butterfly Valve, Cast Iron, With Bronze Disc Gear Operated, 150 PSI.....	4,490.47	970.31
For 200 PSI, Add	1,180.92	
For 175 PSI, Add	410.04	
For Work In Restricted Working Space, Add	363.04	
23 05 23 00-0573 EA 20" Butterfly Valve, Cast Iron, With Bronze Disc Gear Operated, 150 PSI.....	5,700.05	1,089.13
For 200 PSI, Add	1,561.91	
For 175 PSI, Add	542.33	
For Work In Restricted Working Space, Add	408.42	
23 05 23 00-0574 EA 24" Butterfly Valve, Cast Iron, With Bronze Disc Gear Operated, 150 PSI.....	7,599.65	1,336.66
For 200 PSI, Add	2,132.66	
For 175 PSI, Add	740.51	
For Work In Restricted Working Space, Add	502.68	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0575 EA 30" Butterfly Valve, Cast Iron, With Bronze Disc Gear Operated, 150 PSI..... <i>For 200 PSI, Add</i> <i>For 175 PSI, Add</i> <i>For Work In Restricted Working Space, Add</i>	15,586.80 4,577.93 1,589.56 861.10	2,255.25
23 05 23 00-0576 EA 36" Butterfly Valve, Cast Iron, With Bronze Disc Gear Operated, 150 PSI..... <i>For 200 PSI, Add</i> <i>For 175 PSI, Add</i> <i>For Work In Restricted Working Space, Add</i>	19,745.04 5,816.57 2,019.64 1,076.37	3,075.34
23 05 23 00-0577 EA 42" Butterfly Valve, Cast Iron, With Bronze Disc Gear Operated, 150 PSI..... <i>For 200 PSI, Add</i> <i>For 175 PSI, Add</i> <i>For Work In Restricted Working Space, Add</i>	24,377.26 6,788.67 2,357.18 1,655.95	4,510.50
23 05 23 00-0578 EA 48" Butterfly Valve, Cast Iron, With Bronze Disc Gear Operated, 150 PSI..... <i>For 200 PSI, Add</i> <i>For 175 PSI, Add</i> <i>For Work In Restricted Working Space, Add</i>	29,796.52 8,143.46 2,827.59 2,152.74	5,638.13
23 05 23 00-0579 EA 54" Butterfly Valve, Cast Iron, With Bronze Disc Gear Operated, 150 PSI..... <i>For 200 PSI, Add</i> <i>For 175 PSI, Add</i> <i>For Work In Restricted Working Space, Add</i>	36,096.35 9,765.58 3,390.83 2,690.92	6,765.75
23 05 23 00-0580 Bronze Body, Stainless Steel Disc, Slow Close Butterfly Valves, 175 LB <small>(23 05 23 00-0548)</small> Note: (Milwaukee Valve Company BB-SC 100)		
23 05 23 00-0581 EA 1" Butterfly Valve, Bronze Body, Stainless Steel Disc, Slow Close, 175 LB <i>For Work In Restricted Working Space, Add</i>	224.63 17.60	13.93
23 05 23 00-0582 EA 1-1/4" Butterfly Valve, Bronze Body, Stainless Steel Disc, Slow Close, 175 LB <i>For Work In Restricted Working Space, Add</i>	250.76 22.29	14.82
23 05 23 00-0583 EA 1-1/2" Butterfly Valve, Bronze Body, Stainless Steel Disc, Slow Close, 175 LB <i>For Work In Restricted Working Space, Add</i>	310.16 25.72	17.16
23 05 23 00-0584 EA 2" Butterfly Valve, Bronze Body, Stainless Steel Disc, Slow Close, 175 LB <i>For Work In Restricted Working Space, Add</i>	385.32 30.39	20.28
23 05 23 00-0585 EA 2-1/2" Butterfly Valve, Bronze Body, Stainless Steel Disc, Slow Close, 175 LB <i>For Work In Restricted Working Space, Add</i>	517.53 41.03	27.38
23 05 23 00-0586 Bronze Body, Stainless Steel Disc, Slow Close Butterfly Valves, With Tamper Switch, 175 LB <small>(23 05 23 00-0548)</small> Note: (Milwaukee Valve Company BB-S02)		
23 05 23 00-0587 EA 1" Butterfly Valve, Bronze Body, Stainless Steel Disc, Slow Close With Tamper Switch, 175 LB <i>For Work In Restricted Working Space, Add</i>	321.25 17.60	13.93
23 05 23 00-0588 EA 1-1/4" Butterfly Valve, Bronze Body, Stainless Steel Disc, Slow Close With Tamper Switch, 175 LB <i>For Work In Restricted Working Space, Add</i>	353.60 22.29	14.82
23 05 23 00-0589 EA 1-1/2" Butterfly Valve, Bronze Body, Stainless Steel Disc, Slow Close With Tamper Switch, 175 LB <i>For Work In Restricted Working Space, Add</i>	421.21 25.72	17.16
23 05 23 00-0590 EA 2" Butterfly Valve, Bronze Body, Stainless Steel Disc, Slow Close With Tamper Switch, 175 LB <i>For Work In Restricted Working Space, Add</i>	503.60 30.39	20.28
23 05 23 00-0591 EA 2-1/2" Butterfly Valve, Bronze Body, Stainless Steel Disc, Slow Close With Tamper Switch, 175 LB <i>For Work In Restricted Working Space, Add</i>	648.34 41.03	27.38
23 05 29 Hangers And Supports For HVAC Piping And Equipment <small>(23 05 29)</small>		
23 05 29 00-0001 Hangers And Supports <small>(23 05 29)</small>		
23 05 29 00-0002 Clevis Hangers <small>(23 05 29 00-0001)</small>		
23 05 29 00-0003 Steel Clevis Hanger (Cooper B-Line B3100) <small>(23 05 29 00-0002)</small> Note: Type 1.		
23 05 29 00-0004 EA 1/2" Steel Clevis Hanger (Cooper B-Line B3100) <i>For Work In Restricted Working Space, Add</i>	20.07 5.54	9.23
23 05 29 00-0005 EA 3/4" Steel Clevis Hanger (Cooper B-Line B3100) <i>For Work In Restricted Working Space, Add</i>	22.12 6.15	10.25
23 05 29 00-0006 EA 1" Steel Clevis Hanger (Cooper B-Line B3100) <i>For Work In Restricted Working Space, Add</i>	23.26 6.48	10.25
23 05 29 00-0007 EA 1-1/4" Steel Clevis Hanger (Cooper B-Line B3100) <i>For Work In Restricted Working Space, Add</i>	24.11 6.66	11.10
23 05 29 00-0008 EA 1-1/2" Steel Clevis Hanger (Cooper B-Line B3100) <i>For Work In Restricted Working Space, Add</i>	24.32 6.66	11.10
23 05 29 00-0009 EA 2" Steel Clevis Hanger (Cooper B-Line B3100) <i>For Work In Restricted Working Space, Add</i>	25.34 6.84	11.28
23 05 29 00-0010 EA 2-1/2" Steel Clevis Hanger (Cooper B-Line B3100) <i>For Work In Restricted Working Space, Add</i>	27.57 7.04	11.69
23 05 29 00-0011 EA 3" Steel Clevis Hanger (Cooper B-Line B3100) <i>For Work In Restricted Working Space, Add</i>	29.33 7.24	12.30
23 05 29 00-0012 EA 3-1/2" Steel Clevis Hanger (Cooper B-Line B3100) <i>For Work In Restricted Working Space, Add</i>	30.72 7.73	13.52
23 05 29 00-0013 EA 4" Steel Clevis Hanger (Cooper B-Line B3100) <i>For Work In Restricted Working Space, Add</i>	33.60 8.21	14.36
23 05 29 00-0014 EA 5" Steel Clevis Hanger (Cooper B-Line B3100) <i>For Work In Restricted Working Space, Add</i>	43.01 10.31	17.18
23 05 29 00-0015 EA 6" Steel Clevis Hanger (Cooper B-Line B3100) <i>For Work In Restricted Working Space, Add</i>	51.71 12.31	20.51

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 05 Common Work Results For HVAC****23 05 29 Hangers And Supports For HVAC Piping And Equipment**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0016 EA 8" Steel Clevis Hanger (Cooper B-Line B3100) <i>For Work In Restricted Working Space, Add</i>	68.96 15.38	25.65
23 05 29 00-0017 EA 10" Steel Clevis Hanger (Cooper B-Line B3100) <i>For Work In Restricted Working Space, Add</i>	99.88 20.51	34.87
23 05 29 00-0018 EA 12" Steel Clevis Hanger (Cooper B-Line B3100) <i>For Work In Restricted Working Space, Add</i>	116.63 23.08	38.46
23 05 29 00-0019 EA 14" Steel Clevis Hanger (Cooper B-Line B3100) <i>For Work In Restricted Working Space, Add</i>	144.12 26.46	43.08
23 05 29 00-0020 EA 16" Steel Clevis Hanger (Cooper B-Line B3100) <i>For Work In Restricted Working Space, Add</i>	178.47 30.77	51.28
23 05 29 00-0021 EA 18" Steel Clevis Hanger (Cooper B-Line B3100) <i>For Work In Restricted Working Space, Add</i>	222.50 38.46	64.10
23 05 29 00-0022 EA 20" Steel Clevis Hanger (Cooper B-Line B3100) <i>For Work In Restricted Working Space, Add</i>	351.97 46.15	76.93
23 05 29 00-0023 EA 24" Steel Clevis Hanger (Cooper B-Line B3100) <i>For Work In Restricted Working Space, Add</i>	529.46 53.85	89.74
23 05 29 00-0024 Steel Clevis Hanger, Plastic Coated (Cooper B-Line B3100C) (23 05 29 00-0002)		
23 05 29 00-0025 EA 1/2" Steel Clevis Hanger, Plastic Coated (Cooper B-Line B3100C) <i>For Work In Restricted Working Space, Add</i>	24.34 5.54	9.23
23 05 29 00-0026 EA 3/4" Steel Clevis Hanger, Plastic Coated (Cooper B-Line B3100C) <i>For Work In Restricted Working Space, Add</i>	26.39 6.15	10.25
23 05 29 00-0027 EA 1" Steel Clevis Hanger, Plastic Coated (Cooper B-Line B3100C) <i>For Work In Restricted Working Space, Add</i>	27.63 6.48	10.25
23 05 29 00-0028 EA 1-1/4" Steel Clevis Hanger, Plastic Coated (Cooper B-Line B3100C) <i>For Work In Restricted Working Space, Add</i>	28.57 6.66	11.10
23 05 29 00-0029 EA 1-1/2" Steel Clevis Hanger, Plastic Coated (Cooper B-Line B3100C) <i>For Work In Restricted Working Space, Add</i>	29.11 6.66	11.10
23 05 29 00-0030 EA 2" Steel Clevis Hanger, Plastic Coated (Cooper B-Line B3100C) <i>For Work In Restricted Working Space, Add</i>	29.86 6.84	11.28
23 05 29 00-0031 EA 2-1/2" Steel Clevis Hanger, Plastic Coated (Cooper B-Line B3100C) <i>For Work In Restricted Working Space, Add</i>	33.09 7.04	11.69
23 05 29 00-0032 EA 3" Steel Clevis Hanger, Plastic Coated (Cooper B-Line B3100C) <i>For Work In Restricted Working Space, Add</i>	34.67 7.24	12.30
23 05 29 00-0033 EA 3-1/2" Steel Clevis Hanger, Plastic Coated (Cooper B-Line B3100C) <i>For Work In Restricted Working Space, Add</i>	38.91 8.21	14.36
23 05 29 00-0034 EA 4" Steel Clevis Hanger, Plastic Coated (Cooper B-Line B3100C) <i>For Work In Restricted Working Space, Add</i>	42.51 8.21	14.36
23 05 29 00-0035 EA 5" Steel Clevis Hanger, Plastic Coated (Cooper B-Line B3100C) <i>For Work In Restricted Working Space, Add</i>	68.14 10.31	17.18
23 05 29 00-0036 EA 6" Steel Clevis Hanger, Plastic Coated (Cooper B-Line B3100C) <i>For Work In Restricted Working Space, Add</i>	84.22 12.31	20.51
23 05 29 00-0037 EA 8" Steel Clevis Hanger, Plastic Coated (Cooper B-Line B3100C) <i>For Work In Restricted Working Space, Add</i>	100.65 15.38	25.65
23 05 29 00-0038 Steel Clevis Hanger, Light Duty (Cooper B-Line B3104) (23 05 29 00-0002)		
23 05 29 00-0039 EA 1/2" Steel Clevis Hanger, Light Duty (Cooper B-Line B3104) <i>For Work In Restricted Working Space, Add</i>	19.92 5.54	9.23
23 05 29 00-0040 EA 3/4" Steel Clevis Hanger, Light Duty (Cooper B-Line B3104) <i>For Work In Restricted Working Space, Add</i>	22.00 6.15	10.25
23 05 29 00-0041 EA 1" Steel Clevis Hanger, Light Duty (Cooper B-Line B3104) <i>For Work In Restricted Working Space, Add</i>	23.23 6.48	10.25
23 05 29 00-0042 EA 1-1/4" Steel Clevis Hanger, Light Duty (Cooper B-Line B3104) <i>For Work In Restricted Working Space, Add</i>	23.87 6.66	11.10
23 05 29 00-0043 EA 1-1/2" Steel Clevis Hanger, Light Duty (Cooper B-Line B3104) <i>For Work In Restricted Working Space, Add</i>	23.99 6.66	11.10
23 05 29 00-0044 EA 2" Steel Clevis Hanger, Light Duty (Cooper B-Line B3104) <i>For Work In Restricted Working Space, Add</i>	24.67 6.84	11.28
23 05 29 00-0045 EA 2-1/2" Steel Clevis Hanger, Light Duty (Cooper B-Line B3104) <i>For Work In Restricted Working Space, Add</i>	26.70 7.04	11.69
23 05 29 00-0046 EA 3" Steel Clevis Hanger, Light Duty (Cooper B-Line B3104) <i>For Work In Restricted Working Space, Add</i>	27.84 7.24	12.30
23 05 29 00-0047 EA 3-1/2" Steel Clevis Hanger, Light Duty (Cooper B-Line B3104) <i>For Work In Restricted Working Space, Add</i>	31.39 8.21	14.36
23 05 29 00-0048 EA 4" Steel Clevis Hanger, Light Duty (Cooper B-Line B3104) <i>For Work In Restricted Working Space, Add</i>	32.23 8.21	14.36
23 05 29 00-0049 Extended Steel Clevis Hanger (Cooper B-Line B3108) (23 05 29 00-0002)		
23 05 29 00-0050 EA 3/4" Steel Extended Clevis Hanger (Cooper B-Line B3108) <i>For Work In Restricted Working Space, Add</i>	27.34 6.15	10.25
23 05 29 00-0051 EA 1" Steel Extended Clevis Hanger (Cooper B-Line B3108) <i>For Work In Restricted Working Space, Add</i>	28.48 6.48	10.25
23 05 29 00-0052 EA 1-1/4" Steel Extended Clevis Hanger (Cooper B-Line B3108) <i>For Work In Restricted Working Space, Add</i>	29.09 6.66	11.10
23 05 29 00-0053 EA 1-1/2" Steel Extended Clevis Hanger (Cooper B-Line B3108) <i>For Work In Restricted Working Space, Add</i>	29.94 6.66	11.10
23 05 29 00-0054 EA 2" Steel Extended Clevis Hanger (Cooper B-Line B3108) <i>For Work In Restricted Working Space, Add</i>	31.95 6.84	11.28
23 05 29 00-0055 EA 2-1/2" Steel Extended Clevis Hanger (Cooper B-Line B3108) <i>For Work In Restricted Working Space, Add</i>	34.10 7.04	11.69



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0056 EA 3" Steel Extended Clevis Hanger (Cooper B-Line B3108).....	35.72	12.30
<i>For Work In Restricted Working Space, Add</i>	<i>7.24</i>	
23 05 29 00-0057 EA 4" Steel Extended Clevis Hanger (Cooper B-Line B3108).....	42.63	14.36
<i>For Work In Restricted Working Space, Add</i>	<i>8.21</i>	
23 05 29 00-0058 EA 5" Steel Extended Clevis Hanger (Cooper B-Line B3108).....	53.77	17.18
<i>For Work In Restricted Working Space, Add</i>	<i>10.31</i>	
23 05 29 00-0059 EA 6" Steel Extended Clevis Hanger (Cooper B-Line B3108).....	66.14	20.51
<i>For Work In Restricted Working Space, Add</i>	<i>12.31</i>	
23 05 29 00-0060 EA 8" Steel Extended Clevis Hanger (Cooper B-Line B3108).....	92.65	25.65
<i>For Work In Restricted Working Space, Add</i>	<i>15.38</i>	
23 05 29 00-0061 EA 10" Steel Extended Clevis Hanger (Cooper B-Line B3108).....	129.54	34.87
<i>For Work In Restricted Working Space, Add</i>	<i>20.51</i>	
23 05 29 00-0062 EA 12" Steel Extended Clevis Hanger (Cooper B-Line B3108).....	145.53	38.46
<i>For Work In Restricted Working Space, Add</i>	<i>23.08</i>	
23 05 29 00-0063 Steel Clevis Hanger, Flat Top (Cooper B-Line B3109) (23 05 29 00-0002)		
23 05 29 00-0064 EA 2" Steel Clevis Hanger, Flat Top (Cooper B-Line B3109).....	32.95	11.28
<i>For Work In Restricted Working Space, Add</i>	<i>6.84</i>	
23 05 29 00-0065 EA 2-1/2" Steel Clevis Hanger, Flat Top (Cooper B-Line B3109).....	35.03	11.69
<i>For Work In Restricted Working Space, Add</i>	<i>7.04</i>	
23 05 29 00-0066 EA 3" Steel Clevis Hanger, Flat Top (Cooper B-Line B3109).....	36.79	12.30
<i>For Work In Restricted Working Space, Add</i>	<i>7.24</i>	
23 05 29 00-0067 EA 3-1/2" Steel Clevis Hanger, Flat Top (Cooper B-Line B3109).....	40.82	14.36
<i>For Work In Restricted Working Space, Add</i>	<i>8.21</i>	
23 05 29 00-0068 EA 4" Steel Clevis Hanger, Flat Top (Cooper B-Line B3109).....	42.94	14.36
<i>For Work In Restricted Working Space, Add</i>	<i>8.21</i>	
23 05 29 00-0069 EA 5" Steel Clevis Hanger, Flat Top (Cooper B-Line B3109).....	53.38	17.18
<i>For Work In Restricted Working Space, Add</i>	<i>10.31</i>	
23 05 29 00-0070 EA 6" Steel Clevis Hanger, Flat Top (Cooper B-Line B3109).....	62.44	20.51
<i>For Work In Restricted Working Space, Add</i>	<i>12.31</i>	
23 05 29 00-0071 EA 8" Steel Clevis Hanger, Flat Top (Cooper B-Line B3109).....	82.40	25.65
<i>For Work In Restricted Working Space, Add</i>	<i>15.38</i>	
23 05 29 00-0072 Adjustable Hangers (23 05 29 00-0001)		
23 05 29 00-0073 Steel J-Hanger Hanger With Bolt (Cooper B-Line B3690) (23 05 29 00-0072)		
Note: Type 5.		
23 05 29 00-0074 EA 1/2" Steel J-Hanger Hanger With Bolt (Cooper B-Line B3690).....	18.29	8.12
<i>For Work In Restricted Working Space, Add</i>	<i>4.87</i>	
23 05 29 00-0075 EA 3/4" Steel J-Hanger Hanger With Bolt (Cooper B-Line B3690).....	20.07	9.01
<i>For Work In Restricted Working Space, Add</i>	<i>5.40</i>	
23 05 29 00-0076 EA 1" Steel J-Hanger Hanger With Bolt (Cooper B-Line B3690).....	22.05	10.00
<i>For Work In Restricted Working Space, Add</i>	<i>6.00</i>	
23 05 29 00-0077 EA 1-1/4" Steel J-Hanger Hanger With Bolt (Cooper B-Line B3690).....	24.36	11.11
<i>For Work In Restricted Working Space, Add</i>	<i>6.67</i>	
23 05 29 00-0078 EA 1-1/2" Steel J-Hanger Hanger With Bolt (Cooper B-Line B3690).....	25.58	11.68
<i>For Work In Restricted Working Space, Add</i>	<i>7.00</i>	
23 05 29 00-0079 EA 2" Steel J-Hanger Hanger With Bolt (Cooper B-Line B3690).....	27.34	12.23
<i>For Work In Restricted Working Space, Add</i>	<i>7.34</i>	
23 05 29 00-0080 EA 2-1/2" Steel J-Hanger Hanger With Bolt (Cooper B-Line B3690).....	31.09	12.79
<i>For Work In Restricted Working Space, Add</i>	<i>7.67</i>	
23 05 29 00-0081 EA 3" Steel J-Hanger Hanger With Bolt (Cooper B-Line B3690).....	32.47	13.34
<i>For Work In Restricted Working Space, Add</i>	<i>8.00</i>	
23 05 29 00-0082 EA 4" Steel J-Hanger Hanger With Bolt (Cooper B-Line B3690).....	38.44	15.01
<i>For Work In Restricted Working Space, Add</i>	<i>9.00</i>	
23 05 29 00-0083 Adjustable Swivel Steel Ring (Cooper B-Line B3170) (23 05 29 00-0072)		
Note: Type 10.		
23 05 29 00-0084 EA 1/2" Adjustable Swivel Steel Ring (Cooper B-Line B3170).....	21.45	10.25
<i>For Work In Restricted Working Space, Add</i>	<i>6.15</i>	
<i>For 304 Stainless Steel, Add</i>	<i>6.20</i>	
<i>For 316 Stainless Steel, Add</i>	<i>7.99</i>	
23 05 29 00-0085 EA 3/4" Adjustable Swivel Steel Ring (Cooper B-Line B3170).....	22.62	10.25
<i>For Work In Restricted Working Space, Add</i>	<i>6.48</i>	
<i>For 304 Stainless Steel, Add</i>	<i>6.80</i>	
<i>For 316 Stainless Steel, Add</i>	<i>8.76</i>	
23 05 29 00-0086 EA 1" Adjustable Swivel Steel Ring (Cooper B-Line B3170).....	23.82	11.28
<i>For Work In Restricted Working Space, Add</i>	<i>6.84</i>	
<i>For 304 Stainless Steel, Add</i>	<i>6.80</i>	
<i>For 316 Stainless Steel, Add</i>	<i>8.76</i>	
23 05 29 00-0087 EA 1-1/4" Adjustable Swivel Steel Ring (Cooper B-Line B3170).....	25.29	12.30
<i>For Work In Restricted Working Space, Add</i>	<i>7.24</i>	
<i>For 304 Stainless Steel, Add</i>	<i>7.59</i>	
<i>For 316 Stainless Steel, Add</i>	<i>9.78</i>	
23 05 29 00-0088 EA 1-1/2" Adjustable Swivel Steel Ring (Cooper B-Line B3170).....	28.50	14.36
<i>For Work In Restricted Working Space, Add</i>	<i>8.21</i>	
<i>For 304 Stainless Steel, Add</i>	<i>7.59</i>	
<i>For 316 Stainless Steel, Add</i>	<i>9.78</i>	
23 05 29 00-0089 EA 2" Adjustable Swivel Steel Ring (Cooper B-Line B3170).....	30.51	14.36
<i>For Work In Restricted Working Space, Add</i>	<i>8.79</i>	
<i>For 304 Stainless Steel, Add</i>	<i>7.99</i>	
<i>For 316 Stainless Steel, Add</i>	<i>10.29</i>	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 05 Common Work Results For HVAC****23 05 29 Hangers And Supports For HVAC Piping And Equipment**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0090 EA 2-1/2" Adjustable Swivel Steel Ring (Cooper B-Line B3170) <i>For Work In Restricted Working Space, Add</i> <i>For 304 Stainless Steel, Add</i> <i>For 316 Stainless Steel, Add</i>	33.53 9.47 13.00 16.75	15.38
23 05 29 00-0091 EA 3" Adjustable Swivel Steel Ring (Cooper B-Line B3170) <i>For Work In Restricted Working Space, Add</i> <i>For 304 Stainless Steel, Add</i> <i>For 316 Stainless Steel, Add</i>	36.25 10.26 13.60 17.51	17.43
23 05 29 00-0092 EA 3-1/2" Adjustable Swivel Steel Ring (Cooper B-Line B3170) <i>For Work In Restricted Working Space, Add</i> <i>For 304 Stainless Steel, Add</i> <i>For 316 Stainless Steel, Add</i>	40.20 11.23 18.22 23.46	18.72
23 05 29 00-0093 EA 4" Adjustable Swivel Steel Ring (Cooper B-Line B3170) <i>For Work In Restricted Working Space, Add</i> <i>For 304 Stainless Steel, Add</i> <i>For 316 Stainless Steel, Add</i>	43.79 12.31 18.22 23.46	20.51
23 05 29 00-0094 EA 5" Adjustable Swivel Steel Ring (Cooper B-Line B3170) <i>For Work In Restricted Working Space, Add</i> <i>For 304 Stainless Steel, Add</i> <i>For 316 Stainless Steel, Add</i>	51.88 13.85 37.82 48.71	23.08
23 05 29 00-0095 EA 6" Adjustable Swivel Steel Ring (Cooper B-Line B3170) <i>For Work In Restricted Working Space, Add</i> <i>For 304 Stainless Steel, Add</i> <i>For 316 Stainless Steel, Add</i>	57.10 15.38 38.41 49.47	25.65
23 05 29 00-0096 EA 8" Adjustable Swivel Steel Ring (Cooper B-Line B3170) <i>For Work In Restricted Working Space, Add</i> <i>For 304 Stainless Steel, Add</i> <i>For 316 Stainless Steel, Add</i>	68.44 18.46 45.61 58.74	30.77
23 05 29 00-0097 Copper Tubing Adjustable Swivel Ring (Cooper B-Line B3170CT) <small>(23 05 29 00-0072)</small>		
23 05 29 00-0098 EA 1/2" Copper Tubing Adjustable Swivel Ring (Cooper B-Line B3170CT) <i>For Work In Restricted Working Space, Add</i> <i>For 304 Stainless Steel, Add</i> <i>For 316 Stainless Steel, Add</i>	21.96 6.15 9.57 12.33	10.25
23 05 29 00-0099 EA 3/4" Copper Tubing Adjustable Swivel Ring (Cooper B-Line B3170CT) <i>For Work In Restricted Working Space, Add</i> <i>For 304 Stainless Steel, Add</i> <i>For 316 Stainless Steel, Add</i>	23.04 6.48 9.57 12.33	10.25
23 05 29 00-0100 EA 1" Copper Tubing Adjustable Swivel Ring (Cooper B-Line B3170CT) <i>For Work In Restricted Working Space, Add</i> <i>For 304 Stainless Steel, Add</i> <i>For 316 Stainless Steel, Add</i>	24.24 6.84 9.57 12.33	11.28
23 05 29 00-0101 EA 1-1/4" Copper Tubing Adjustable Swivel Ring (Cooper B-Line B3170CT) <i>For Work In Restricted Working Space, Add</i> <i>For 304 Stainless Steel, Add</i> <i>For 316 Stainless Steel, Add</i>	25.59 7.24 9.57 12.33	12.30
23 05 29 00-0102 EA 1-1/2" Copper Tubing Adjustable Swivel Ring (Cooper B-Line B3170CT) <i>For Work In Restricted Working Space, Add</i> <i>For 304 Stainless Steel, Add</i> <i>For 316 Stainless Steel, Add</i>	28.92 8.21 10.36 13.35	14.36
23 05 29 00-0103 EA 2" Copper Tubing Adjustable Swivel Ring (Cooper B-Line B3170CT) <i>For Work In Restricted Working Space, Add</i> <i>For 304 Stainless Steel, Add</i> <i>For 316 Stainless Steel, Add</i>	30.87 8.79 10.36 13.35	14.36
23 05 29 00-0104 EA 2-1/2" Copper Tubing Adjustable Swivel Ring (Cooper B-Line B3170CT) <i>For Work In Restricted Working Space, Add</i> <i>For 304 Stainless Steel, Add</i> <i>For 316 Stainless Steel, Add</i>	35.68 9.47 27.19 35.02	15.38
23 05 29 00-0105 EA 3" Copper Tubing Adjustable Swivel Ring (Cooper B-Line B3170CT) <i>For Work In Restricted Working Space, Add</i> <i>For 304 Stainless Steel, Add</i> <i>For 316 Stainless Steel, Add</i>	39.29 10.26 33.66 43.35	17.43
23 05 29 00-0106 EA 3-1/2" Copper Tubing Adjustable Swivel Ring (Cooper B-Line B3170CT) <i>For Work In Restricted Working Space, Add</i> <i>For 304 Stainless Steel, Add</i> <i>For 316 Stainless Steel, Add</i>	42.94 11.23 36.30 46.75	18.72
23 05 29 00-0107 EA 4" Copper Tubing Adjustable Swivel Ring (Cooper B-Line B3170CT) <i>For Work In Restricted Working Space, Add</i> <i>For 304 Stainless Steel, Add</i> <i>For 316 Stainless Steel, Add</i>	47.73 12.31 44.22 56.95	20.51
23 05 29 00-0108 EA 5" Copper Tubing Adjustable Swivel Ring (Cooper B-Line B3170CT) <i>For Work In Restricted Working Space, Add</i> <i>For 304 Stainless Steel, Add</i> <i>For 316 Stainless Steel, Add</i>	52.94 13.85 44.81 57.72	23.08
23 05 29 00-0109 EA 6" Copper Tubing Adjustable Swivel Ring (Cooper B-Line B3170CT) <i>For Work In Restricted Working Space, Add</i> <i>For 304 Stainless Steel, Add</i> <i>For 316 Stainless Steel, Add</i>	61.11 15.38 64.88 83.56	25.65
23 05 29 00-0110 Roller Hangers <small>(23 05 29 00-0001)</small>		
23 05 29 00-0111 Single Pipe Roll (Cooper B-Line B3114) <small>(23 05 29 00-0110)</small> Note: Excludes rod and nuts. Type 41.		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0112 EA 2" Single Pipe Roll (Cooper B-Line B3114) Note: Excludes rod and nuts. <i>For Work In Restricted Working Space, Add</i>	29.79 4.92	8.21
23 05 29 00-0113 EA 2-1/2" Single Pipe Roll (Cooper B-Line B3114) Note: Excludes rod and nuts. <i>For Work In Restricted Working Space, Add</i>	32.84 5.54	9.23
23 05 29 00-0114 EA 3" Single Pipe Roll (Cooper B-Line B3114) Note: Excludes rod and nuts. <i>For Work In Restricted Working Space, Add</i>	36.70 6.46	10.77
23 05 29 00-0115 EA 3-1/2" Single Pipe Roll (Cooper B-Line B3114) Note: Excludes rod and nuts. <i>For Work In Restricted Working Space, Add</i>	42.22 7.39	12.31
23 05 29 00-0116 EA 4" Single Pipe Roll (Cooper B-Line B3114) Note: Excludes rod and nuts. <i>For Work In Restricted Working Space, Add</i>	57.34 8.31	13.85
23 05 29 00-0117 EA 5" Single Pipe Roll (Cooper B-Line B3114) Note: Excludes rod and nuts. <i>For Work In Restricted Working Space, Add</i>	52.13 9.23	15.39
23 05 29 00-0118 EA 6" Single Pipe Roll (Cooper B-Line B3114) Note: Excludes rod and nuts. <i>For Work In Restricted Working Space, Add</i>	64.66 11.08	18.46
23 05 29 00-0119 EA 8" Single Pipe Roll (Cooper B-Line B3114) Note: Excludes rod and nuts. <i>For Work In Restricted Working Space, Add</i>	86.09 12.93	21.54
23 05 29 00-0120 EA 10" Single Pipe Roll (Cooper B-Line B3114) Note: Excludes rod and nuts. <i>For Work In Restricted Working Space, Add</i>	102.10 15.39	25.66
23 05 29 00-0121 Adjustable Clevis Roller Hanger (Cooper B-Line B3110) <small>(23 05 29 00-0110)</small> Note: Type 43.		
23 05 29 00-0122 EA 2" Steel Clevis Roller Hanger (Cooper B-Line B3110) <i>For Work In Restricted Working Space, Add</i> <i>For 304 Stainless Steel, Add</i> <i>For 316 Stainless Steel, Add</i>	44.95 8.36 112.73 145.18	14.50
23 05 29 00-0123 EA 2-1/2" Steel Clevis Roller Hanger (Cooper B-Line B3110) <i>For Work In Restricted Working Space, Add</i> <i>For 304 Stainless Steel, Add</i> <i>For 316 Stainless Steel, Add</i>	46.96 8.96 112.73 145.18	14.94
23 05 29 00-0124 EA 3" Steel Clevis Roller Hanger (Cooper B-Line B3110) <i>For Work In Restricted Working Space, Add</i> <i>For 304 Stainless Steel, Add</i> <i>For 316 Stainless Steel, Add</i>	50.90 9.56 125.73 161.93	15.60
23 05 29 00-0125 EA 3-1/2" Steel Clevis Roller Hanger (Cooper B-Line B3110) <i>For Work In Restricted Working Space, Add</i> <i>For 304 Stainless Steel, Add</i> <i>For 316 Stainless Steel, Add</i>	58.79 10.03 167.31 215.48	16.72
23 05 29 00-0126 EA 4" Steel Clevis Roller Hanger (Cooper B-Line B3110) <i>For Work In Restricted Working Space, Add</i> <i>For 304 Stainless Steel, Add</i> <i>For 316 Stainless Steel, Add</i>	62.50 11.15 167.31 215.48	18.95
23 05 29 00-0127 EA 5" Steel Clevis Roller Hanger (Cooper B-Line B3110) <i>For Work In Restricted Working Space, Add</i> <i>For 304 Stainless Steel, Add</i> <i>For 316 Stainless Steel, Add</i>	70.39 12.24 195.36 251.60	20.40
23 05 29 00-0128 EA 6" Steel Clevis Roller Hanger (Cooper B-Line B3110) <i>For Work In Restricted Working Space, Add</i> <i>For 304 Stainless Steel, Add</i> <i>For 316 Stainless Steel, Add</i>	81.34 13.37 242.62 312.46	22.30
23 05 29 00-0129 EA 8" Steel Clevis Roller Hanger (Cooper B-Line B3110) <i>For Work In Restricted Working Space, Add</i> <i>For 304 Stainless Steel, Add</i> <i>For 316 Stainless Steel, Add</i>	110.74 16.72 363.07 467.59	27.87
23 05 29 00-0130 EA 10" Steel Clevis Roller Hanger (Cooper B-Line B3110) <i>For Work In Restricted Working Space, Add</i> <i>For 304 Stainless Steel, Add</i> <i>For 316 Stainless Steel, Add</i>	139.85 22.29 432.56 557.09	37.90
23 05 29 00-0131 EA 12" Steel Clevis Roller Hanger (Cooper B-Line B3110) <i>For Work In Restricted Working Space, Add</i> <i>For 304 Stainless Steel, Add</i> <i>For 316 Stainless Steel, Add</i>	179.95 25.08 635.91 818.98	41.80
23 05 29 00-0132 EA 14" Steel Clevis Roller Hanger (Cooper B-Line B3110) <i>For Work In Restricted Working Space, Add</i> <i>For 304 Stainless Steel, Add</i> <i>For 316 Stainless Steel, Add</i>	362.86 28.76 1,762.20 2,269.50	47.93
23 05 29 00-0133 EA 16" Steel Clevis Roller Hanger (Cooper B-Line B3110) <i>For Work In Restricted Working Space, Add</i> <i>For 304 Stainless Steel, Add</i> <i>For 316 Stainless Steel, Add</i>	454.19 33.44 2,262.02 2,913.21	55.73
23 05 29 00-0134 Roller Chair (Cooper B-Line B3120) <small>(23 05 29 00-0110)</small>		
23 05 29 00-0135 EA 2" Steel Roller Chair (Cooper B-Line B3120) <i>For Work In Restricted Working Space, Add</i>	43.82 8.36	14.50

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 05 Common Work Results For HVAC****23 05 29 Hangers And Supports For HVAC Piping And Equipment**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0136 EA 2-1/2" Steel Roller Chair (Cooper B-Line B3120)..... <i>For Work In Restricted Working Space, Add</i>	47.20 8.96	14.94
23 05 29 00-0137 EA 3" Steel Roller Chair (Cooper B-Line B3120)..... <i>For Work In Restricted Working Space, Add</i>	49.56 9.56	15.60
23 05 29 00-0138 EA 3-1/2" Steel Roller Chair (Cooper B-Line B3120)..... <i>For Work In Restricted Working Space, Add</i>	56.00 10.03	16.72
23 05 29 00-0139 EA 4" Steel Roller Chair (Cooper B-Line B3120)..... <i>For Work In Restricted Working Space, Add</i>	62.38 11.15	18.95
23 05 29 00-0140 EA 5" Steel Roller Chair (Cooper B-Line B3120)..... <i>For Work In Restricted Working Space, Add</i>	68.21 12.24	20.40
23 05 29 00-0141 EA 6" Steel Roller Chair (Cooper B-Line B3120)..... <i>For Work In Restricted Working Space, Add</i>	82.76 13.37	22.30
23 05 29 00-0142 EA 8" Steel Roller Chair (Cooper B-Line B3120)..... <i>For Work In Restricted Working Space, Add</i>	107.35 16.72	27.87
23 05 29 00-0143 EA 10" Steel Roller Chair (Cooper B-Line B3120)..... <i>For Work In Restricted Working Space, Add</i>	139.06 22.29	37.90
23 05 29 00-0144 EA 12" Steel Roller Chair (Cooper B-Line B3120)..... <i>For Work In Restricted Working Space, Add</i>	177.89 25.08	41.80
23 05 29 00-0145 EA 14" Steel Roller Chair (Cooper B-Line B3120)..... <i>For Work In Restricted Working Space, Add</i>	194.76 28.76	47.93
23 05 29 00-0146 EA 16" Steel Roller Chair (Cooper B-Line B3120)..... <i>For Work In Restricted Working Space, Add</i>	234.22 33.44	55.73
23 05 29 00-0147 EA 18" Steel Roller Chair (Cooper B-Line B3120)..... <i>For Work In Restricted Working Space, Add</i>	314.15 41.80	69.66
23 05 29 00-0148 EA 20" Steel Roller Chair (Cooper B-Line B3120)..... <i>For Work In Restricted Working Space, Add</i>	387.95 50.16	83.60
23 05 29 00-0149 Adjustable Roller Support (Cooper B-Line B3122) (23 05 29 00-0110)		
23 05 29 00-0150 EA 2" Steel Adjustable Roller Support (Cooper B-Line B3122)..... <i>For Work In Restricted Working Space, Add</i>	49.07 8.36	14.50
23 05 29 00-0151 EA 2-1/2" Steel Adjustable Roller Support (Cooper B-Line B3122)..... <i>For Work In Restricted Working Space, Add</i>	54.96 8.96	14.94
23 05 29 00-0152 EA 3" Steel Adjustable Roller Support (Cooper B-Line B3122)..... <i>For Work In Restricted Working Space, Add</i>	57.84 9.56	15.60
23 05 29 00-0153 EA 3-1/2" Steel Adjustable Roller Support (Cooper B-Line B3122)..... <i>For Work In Restricted Working Space, Add</i>	61.07 10.03	16.72
23 05 29 00-0154 EA 4" Steel Adjustable Roller Support (Cooper B-Line B3122)..... <i>For Work In Restricted Working Space, Add</i>	73.00 11.15	18.95
23 05 29 00-0155 EA 5" Steel Adjustable Roller Support (Cooper B-Line B3122)..... <i>For Work In Restricted Working Space, Add</i>	82.58 12.24	20.40
23 05 29 00-0156 EA 6" Steel Adjustable Roller Support (Cooper B-Line B3122)..... <i>For Work In Restricted Working Space, Add</i>	95.74 13.37	22.30
23 05 29 00-0157 EA 8" Steel Adjustable Roller Support (Cooper B-Line B3122)..... <i>For Work In Restricted Working Space, Add</i>	134.07 16.72	27.87
23 05 29 00-0158 EA 10" Steel Adjustable Roller Support (Cooper B-Line B3122)..... <i>For Work In Restricted Working Space, Add</i>	167.87 22.29	37.90
23 05 29 00-0159 EA 12" Steel Adjustable Roller Support (Cooper B-Line B3122)..... <i>For Work In Restricted Working Space, Add</i>	193.84 25.08	41.80
23 05 29 00-0160 EA 14" Steel Adjustable Roller Support (Cooper B-Line B3122)..... <i>For Work In Restricted Working Space, Add</i>	271.12 28.76	47.93
23 05 29 00-0161 EA 16" Steel Adjustable Roller Support (Cooper B-Line B3122)..... <i>For Work In Restricted Working Space, Add</i>	324.54 33.44	55.73
23 05 29 00-0162 EA 18" Steel Adjustable Roller Support (Cooper B-Line B3122)..... <i>For Work In Restricted Working Space, Add</i>	370.34 41.80	69.66
23 05 29 00-0163 Adjustable Double Roller Support (Cooper B-Line B3122A) (23 05 29 00-0110)		
23 05 29 00-0164 EA 2" Steel Adjustable Double Roller Support (Cooper B-Line B3122A)..... <i>For Work In Restricted Working Space, Add</i>	49.37 8.36	14.50
23 05 29 00-0165 EA 2-1/2" Steel Adjustable Double Roller Support (Cooper B-Line B3122A)..... <i>For Work In Restricted Working Space, Add</i>	55.23 8.96	14.94
23 05 29 00-0166 EA 3" Steel Adjustable Double Roller Support (Cooper B-Line B3122A)..... <i>For Work In Restricted Working Space, Add</i>	58.30 9.56	15.60
23 05 29 00-0167 EA 3-1/2" Steel Adjustable Double Roller Support (Cooper B-Line B3122A)..... <i>For Work In Restricted Working Space, Add</i>	60.67 10.03	16.72
23 05 29 00-0168 EA 4" Steel Adjustable Double Roller Support (Cooper B-Line B3122A)..... <i>For Work In Restricted Working Space, Add</i>	76.06 11.15	18.95
23 05 29 00-0169 EA 5" Steel Adjustable Double Roller Support (Cooper B-Line B3122A)..... <i>For Work In Restricted Working Space, Add</i>	86.19 12.24	20.40
23 05 29 00-0170 EA 6" Steel Adjustable Double Roller Support (Cooper B-Line B3122A)..... <i>For Work In Restricted Working Space, Add</i>	100.05 13.37	22.30
23 05 29 00-0171 EA 8" Steel Adjustable Double Roller Support (Cooper B-Line B3122A)..... <i>For Work In Restricted Working Space, Add</i>	140.74 16.72	27.87
23 05 29 00-0172 EA 10" Steel Adjustable Double Roller Support (Cooper B-Line B3122A)..... <i>For Work In Restricted Working Space, Add</i>	175.88 22.29	37.90
23 05 29 00-0173 EA 12" Steel Adjustable Double Roller Support (Cooper B-Line B3122A)..... <i>For Work In Restricted Working Space, Add</i>	203.21 25.08	41.80
23 05 29 00-0174 EA 14" Steel Adjustable Double Roller Support (Cooper B-Line B3122A)..... <i>For Work In Restricted Working Space, Add</i>	286.10 28.76	47.93

23 05 29 00-0175 Pipe And Riser Clamps (23 05 29 00-0001)



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0176 Steel Pipe Clamp (Cooper B-Line B3140) <small>(23 05 29 00-0175)</small>		
<i>Note: Type 4.</i>		
23 05 29 00-0177 EA 1/2" Steel Pipe Clamp (Cooper B-Line B3140).....	17.32	6.67
<i>For Work In Restricted Working Space, Add</i>	<i>4.00</i>	
23 05 29 00-0178 EA 3/4" Steel Pipe Clamp (Cooper B-Line B3140).....	17.54	6.78
<i>For Work In Restricted Working Space, Add</i>	<i>4.07</i>	
23 05 29 00-0179 EA 1" Steel Pipe Clamp (Cooper B-Line B3140).....	17.78	6.89
<i>For Work In Restricted Working Space, Add</i>	<i>4.13</i>	
23 05 29 00-0180 EA 1-1/4" Steel Pipe Clamp (Cooper B-Line B3140).....	19.22	7.00
<i>For Work In Restricted Working Space, Add</i>	<i>4.20</i>	
23 05 29 00-0181 EA 1-1/2" Steel Pipe Clamp (Cooper B-Line B3140).....	19.45	7.11
<i>For Work In Restricted Working Space, Add</i>	<i>4.27</i>	
23 05 29 00-0182 EA 2" Steel Pipe Clamp (Cooper B-Line B3140).....	20.59	7.22
<i>For Work In Restricted Working Space, Add</i>	<i>4.34</i>	
23 05 29 00-0183 EA 2-1/2" Steel Pipe Clamp (Cooper B-Line B3140).....	21.39	7.45
<i>For Work In Restricted Working Space, Add</i>	<i>4.47</i>	
23 05 29 00-0184 EA 3" Steel Pipe Clamp (Cooper B-Line B3140).....	22.59	7.67
<i>For Work In Restricted Working Space, Add</i>	<i>4.60</i>	
23 05 29 00-0185 EA 3-1/2" Steel Pipe Clamp (Cooper B-Line B3140).....	25.82	7.78
<i>For Work In Restricted Working Space, Add</i>	<i>4.67</i>	
23 05 29 00-0186 EA 4" Steel Pipe Clamp (Cooper B-Line B3140).....	30.26	10.00
<i>For Work In Restricted Working Space, Add</i>	<i>6.00</i>	
23 05 29 00-0187 EA 5" Steel Pipe Clamp (Cooper B-Line B3140).....	43.06	13.34
<i>For Work In Restricted Working Space, Add</i>	<i>8.00</i>	
23 05 29 00-0188 EA 6" Steel Pipe Clamp (Cooper B-Line B3140).....	58.46	16.67
<i>For Work In Restricted Working Space, Add</i>	<i>10.01</i>	
23 05 29 00-0189 EA 8" Steel Pipe Clamp (Cooper B-Line B3140).....	68.75	19.46
<i>For Work In Restricted Working Space, Add</i>	<i>11.67</i>	
23 05 29 00-0190 EA 10" Steel Pipe Clamp (Cooper B-Line B3140).....	98.27	22.24
<i>For Work In Restricted Working Space, Add</i>	<i>13.34</i>	
23 05 29 00-0191 EA 12" Steel Pipe Clamp (Cooper B-Line B3140).....	132.14	24.46
<i>For Work In Restricted Working Space, Add</i>	<i>14.68</i>	
23 05 29 00-0192 EA 14" Steel Pipe Clamp (Cooper B-Line B3140).....	209.55	26.68
<i>For Work In Restricted Working Space, Add</i>	<i>16.01</i>	
23 05 29 00-0193 EA 16" Steel Pipe Clamp (Cooper B-Line B3140).....	227.13	28.91
<i>For Work In Restricted Working Space, Add</i>	<i>17.34</i>	
23 05 29 00-0194 EA 18" Steel Pipe Clamp (Cooper B-Line B3140).....	363.89	31.13
<i>For Work In Restricted Working Space, Add</i>	<i>18.68</i>	
23 05 29 00-0195 EA 20" Steel Pipe Clamp (Cooper B-Line B3140).....	419.96	33.35
<i>For Work In Restricted Working Space, Add</i>	<i>20.01</i>	
23 05 29 00-0196 EA 24" Steel Pipe Clamp (Cooper B-Line B3140).....	545.15	36.68
<i>For Work In Restricted Working Space, Add</i>	<i>22.01</i>	
23 05 29 00-0197 Steel Heavy Duty Pipe Clamp (Cooper B-Line B3142) <small>(23 05 29 00-0175)</small>		
23 05 29 00-0198 EA 3" Two Bolt Steel Heavy Duty Pipe Clamp (Cooper B-Line B3142).....	33.33	7.18
<i>For Work In Restricted Working Space, Add</i>	<i>4.28</i>	
23 05 29 00-0199 EA 4" Two Bolt Steel Heavy Duty Pipe Clamp (Cooper B-Line B3142).....	43.12	7.18
<i>For Work In Restricted Working Space, Add</i>	<i>4.28</i>	
23 05 29 00-0200 EA 5" Two Bolt Steel Heavy Duty Pipe Clamp (Cooper B-Line B3142).....	47.22	7.43
<i>For Work In Restricted Working Space, Add</i>	<i>4.46</i>	
23 05 29 00-0201 EA 6" Two Bolt Steel Heavy Duty Pipe Clamp (Cooper B-Line B3142).....	74.19	7.69
<i>For Work In Restricted Working Space, Add</i>	<i>4.64</i>	
23 05 29 00-0202 EA 8" Two Bolt Steel Heavy Duty Pipe Clamp (Cooper B-Line B3142).....	80.67	8.20
<i>For Work In Restricted Working Space, Add</i>	<i>4.92</i>	
23 05 29 00-0203 EA 10" Two Bolt Steel Heavy Duty Pipe Clamp (Cooper B-Line B3142).....	136.39	8.20
<i>For Work In Restricted Working Space, Add</i>	<i>4.91</i>	
23 05 29 00-0204 EA 12" Two Bolt Steel Heavy Duty Pipe Clamp (Cooper B-Line B3142).....	219.55	9.23
<i>For Work In Restricted Working Space, Add</i>	<i>5.54</i>	
23 05 29 00-0205 EA 14" Two Bolt Steel Heavy Duty Pipe Clamp (Cooper B-Line B3142).....	278.11	10.25
<i>For Work In Restricted Working Space, Add</i>	<i>6.15</i>	
23 05 29 00-0206 EA 16" Two Bolt Steel Heavy Duty Pipe Clamp (Cooper B-Line B3142).....	302.74	12.30
<i>For Work In Restricted Working Space, Add</i>	<i>7.38</i>	
23 05 29 00-0207 EA 18" Two Bolt Steel Heavy Duty Pipe Clamp (Cooper B-Line B3142).....	934.32	14.36
<i>For Work In Restricted Working Space, Add</i>	<i>8.62</i>	
23 05 29 00-0208 EA 20" Two Bolt Steel Heavy Duty Pipe Clamp (Cooper B-Line B3142).....	1,073.63	15.38
<i>For Work In Restricted Working Space, Add</i>	<i>9.23</i>	
23 05 29 00-0209 EA 24" Two Bolt Steel Heavy Duty Pipe Clamp (Cooper B-Line B3142).....	1,374.22	16.41
<i>For Work In Restricted Working Space, Add</i>	<i>9.85</i>	
23 05 29 00-0210 Steel Riser Clamp (Cooper B-Line B3373) <small>(23 05 29 00-0175)</small>		
<i>Note: Type 8.</i>		
23 05 29 00-0211 EA 1/2" Steel Riser Clamp (Cooper B-Line B3373).....	17.27	6.15
<i>For Work In Restricted Working Space, Add</i>	<i>3.69</i>	
23 05 29 00-0212 EA 3/4" Steel Riser Clamp (Cooper B-Line B3373).....	17.95	6.25
<i>For Work In Restricted Working Space, Add</i>	<i>3.76</i>	
23 05 29 00-0213 EA 1" Steel Riser Clamp (Cooper B-Line B3373).....	18.21	6.36
<i>For Work In Restricted Working Space, Add</i>	<i>3.82</i>	
23 05 29 00-0214 EA 1-1/4" Steel Riser Clamp (Cooper B-Line B3373).....	19.56	6.46
<i>For Work In Restricted Working Space, Add</i>	<i>3.88</i>	
23 05 29 00-0215 EA 1-1/2" Steel Riser Clamp (Cooper B-Line B3373).....	20.29	6.56
<i>For Work In Restricted Working Space, Add</i>	<i>3.94</i>	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 05 Common Work Results For HVAC****23 05 29 Hangers And Supports For HVAC Piping And Equipment**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0216 EA 2" Steel Riser Clamp (Cooper B-Line B3373)..... <i>For Work In Restricted Working Space, Add</i>	20.76 4.00	6.67
23 05 29 00-0217 EA 2-1/2" Steel Riser Clamp (Cooper B-Line B3373)..... <i>For Work In Restricted Working Space, Add</i>	21.62 4.12	6.88
23 05 29 00-0218 EA 3" Steel Riser Clamp (Cooper B-Line B3373)..... <i>For Work In Restricted Working Space, Add</i>	22.86 4.25	7.08
23 05 29 00-0219 EA 3-1/2" Steel Riser Clamp (Cooper B-Line B3373)..... <i>For Work In Restricted Working Space, Add</i>	24.95 4.31	7.18
23 05 29 00-0220 EA 4" Steel Riser Clamp (Cooper B-Line B3373)..... <i>For Work In Restricted Working Space, Add</i>	30.45 5.54	9.23
23 05 29 00-0221 EA 5" Steel Riser Clamp (Cooper B-Line B3373)..... <i>For Work In Restricted Working Space, Add</i>	39.48 7.39	12.30
23 05 29 00-0222 EA 6" Steel Riser Clamp (Cooper B-Line B3373)..... <i>For Work In Restricted Working Space, Add</i>	50.00 9.23	15.38
23 05 29 00-0223 EA 8" Steel Riser Clamp (Cooper B-Line B3373)..... <i>For Work In Restricted Working Space, Add</i>	67.38 10.77	17.94
23 05 29 00-0224 EA 10" Steel Riser Clamp (Cooper B-Line B3373)..... <i>For Work In Restricted Working Space, Add</i>	87.61 12.31	20.51
23 05 29 00-0225 EA 12" Steel Riser Clamp (Cooper B-Line B3373)..... <i>For Work In Restricted Working Space, Add</i>	105.30 13.54	22.56
23 05 29 00-0226 EA 14" Steel Riser Clamp (Cooper B-Line B3373)..... <i>For Work In Restricted Working Space, Add</i>	139.76 14.77	24.62
23 05 29 00-0227 EA 16" Steel Riser Clamp (Cooper B-Line B3373)..... <i>For Work In Restricted Working Space, Add</i>	259.98 16.00	26.67
23 05 29 00-0228 Steel Riser Clamp, Plastic Coated (Cooper B-Line B3373C) (23 05 29 00-0175)		
23 05 29 00-0229 EA 1/2" Steel Riser Clamp, Plastic Coated (Cooper B-Line B3373C)..... <i>For Work In Restricted Working Space, Add</i>	29.10 3.69	6.15
23 05 29 00-0230 EA 3/4" Steel Riser Clamp, Plastic Coated (Cooper B-Line B3373C)..... <i>For Work In Restricted Working Space, Add</i>	29.56 3.76	6.25
23 05 29 00-0231 EA 1" Steel Riser Clamp, Plastic Coated (Cooper B-Line B3373C)..... <i>For Work In Restricted Working Space, Add</i>	30.73 3.82	6.36
23 05 29 00-0232 EA 1-1/4" Steel Riser Clamp, Plastic Coated (Cooper B-Line B3373C)..... <i>For Work In Restricted Working Space, Add</i>	32.75 3.88	6.46
23 05 29 00-0233 EA 1-1/2" Steel Riser Clamp, Plastic Coated (Cooper B-Line B3373C)..... <i>For Work In Restricted Working Space, Add</i>	36.79 3.94	6.56
23 05 29 00-0234 EA 2" Steel Riser Clamp, Plastic Coated (Cooper B-Line B3373C)..... <i>For Work In Restricted Working Space, Add</i>	38.99 4.00	6.67
23 05 29 00-0235 EA 2-1/2" Steel Riser Clamp, Plastic Coated (Cooper B-Line B3373C)..... <i>For Work In Restricted Working Space, Add</i>	42.10 4.12	6.88
23 05 29 00-0236 EA 3" Steel Riser Clamp, Plastic Coated (Cooper B-Line B3373C)..... <i>For Work In Restricted Working Space, Add</i>	46.11 4.25	7.08
23 05 29 00-0237 EA 4" Steel Riser Clamp, Plastic Coated (Cooper B-Line B3373C)..... <i>For Work In Restricted Working Space, Add</i>	62.35 5.54	9.23
23 05 29 00-0238 Two Bolt Steel Underground Clamp (Cooper B-Line B3132) (23 05 29 00-0175)		
Note: Type 42		
23 05 29 00-0239 EA 4" Two Bolt Steel Underground Clamp (Cooper B-Line B3132)..... <i>For Work In Restricted Working Space, Add</i>	63.57 4.28	7.18
23 05 29 00-0240 EA 6" Two Bolt Steel Underground Clamp (Cooper B-Line B3132)..... <i>For Work In Restricted Working Space, Add</i>	67.52 4.64	7.69
23 05 29 00-0241 EA 8" Two Bolt Steel Underground Clamp (Cooper B-Line B3132)..... <i>For Work In Restricted Working Space, Add</i>	74.06 4.92	8.20
23 05 29 00-0242 EA 10" Two Bolt Steel Underground Clamp (Cooper B-Line B3132)..... <i>For Work In Restricted Working Space, Add</i>	78.89 4.91	8.20
23 05 29 00-0243 EA 12" Two Bolt Steel Underground Clamp (Cooper B-Line B3132)..... <i>For Work In Restricted Working Space, Add</i>	95.26 5.54	9.23
23 05 29 00-0244 EA 14" Two Bolt Steel Underground Clamp (Cooper B-Line B3132)..... <i>For Work In Restricted Working Space, Add</i>	290.53 6.15	10.25
23 05 29 00-0245 EA 16" Two Bolt Steel Underground Clamp (Cooper B-Line B3132)..... <i>For Work In Restricted Working Space, Add</i>	388.81 7.38	12.30
23 05 29 00-0246 EA 18" Two Bolt Steel Underground Clamp (Cooper B-Line B3132)..... <i>For Work In Restricted Working Space, Add</i>	463.22 8.62	14.36
23 05 29 00-0247 EA 20" Two Bolt Steel Underground Clamp (Cooper B-Line B3132)..... <i>For Work In Restricted Working Space, Add</i>	143.34 9.23	15.38
23 05 29 00-0248 EA 24" Two Bolt Steel Underground Clamp (Cooper B-Line B3132)..... <i>For Work In Restricted Working Space, Add</i>	926.47 9.85	16.41
23 05 29 00-0249 Four Bolt Steel Underground Clamp (Cooper B-Line B3134) (23 05 29 00-0175)		
23 05 29 00-0250 EA 4" Four Bolt Steel Underground Clamp (Cooper B-Line B3134)..... <i>For Work In Restricted Working Space, Add</i>	58.83 4.28	7.18
23 05 29 00-0251 EA 6" Four Bolt Steel Underground Clamp (Cooper B-Line B3134)..... <i>For Work In Restricted Working Space, Add</i>	63.46 4.64	7.69
23 05 29 00-0252 EA 8" Four Bolt Steel Underground Clamp (Cooper B-Line B3134)..... <i>For Work In Restricted Working Space, Add</i>	109.38 4.92	8.20
23 05 29 00-0253 EA 10" Four Bolt Steel Underground Clamp (Cooper B-Line B3134)..... <i>For Work In Restricted Working Space, Add</i>	121.35 4.91	8.20
23 05 29 00-0254 EA 12" Four Bolt Steel Underground Clamp (Cooper B-Line B3134)..... <i>For Work In Restricted Working Space, Add</i>	173.54 5.54	9.23
23 05 29 00-0255 EA 14" Four Bolt Steel Underground Clamp (Cooper B-Line B3134)..... <i>For Work In Restricted Working Space, Add</i>	264.98 6.15	10.25



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0256 EA 16" Four Bolt Steel Underground Clamp (Cooper B-Line B3134)..... <i>For Work In Restricted Working Space, Add</i>	355.03 7.38	12.30
23 05 29 00-0257 EA 18" Four Bolt Steel Underground Clamp (Cooper B-Line B3134)..... <i>For Work In Restricted Working Space, Add</i>	422.49 8.62	14.36
23 05 29 00-0258 EA 20" Four Bolt Steel Underground Clamp (Cooper B-Line B3134)..... <i>For Work In Restricted Working Space, Add</i>	615.99 9.23	15.38
23 05 29 00-0259 EA 24" Four Bolt Steel Underground Clamp (Cooper B-Line B3134)..... <i>For Work In Restricted Working Space, Add</i>	841.80 9.85	16.41
23 05 29 00-0260 Split Pipe Clamps And Rings <small>(23 05 29 00-0001)</small>		
23 05 29 00-0261 Adjustable Split Ring Swivel Hanger (Cooper B-Line B3171) <small>(23 05 29 00-0260)</small> Note: Type 6.		
23 05 29 00-0262 EA 3/4" Adjustable Swivel Ring (Cooper B-Line B3171) <i>For Work In Restricted Working Space, Add</i>	28.46 5.67	9.45
23 05 29 00-0263 EA 1" Adjustable Swivel Ring (Cooper B-Line B3171) <i>For Work In Restricted Working Space, Add</i>	30.14 6.00	10.00
23 05 29 00-0264 EA 1-1/4" Adjustable Swivel Ring (Cooper B-Line B3171) <i>For Work In Restricted Working Space, Add</i>	32.85 6.67	11.11
23 05 29 00-0265 EA 1-1/2" Adjustable Swivel Ring (Cooper B-Line B3171) <i>For Work In Restricted Working Space, Add</i>	35.29 7.00	11.68
23 05 29 00-0266 EA 2" Adjustable Swivel Ring (Cooper B-Line B3171) <i>For Work In Restricted Working Space, Add</i>	38.02 7.34	12.23
23 05 29 00-0267 EA 2-1/2" Adjustable Swivel Ring (Cooper B-Line B3171) <i>For Work In Restricted Working Space, Add</i>	46.23 7.67	12.79
23 05 29 00-0268 EA 3" Adjustable Swivel Ring (Cooper B-Line B3171) <i>For Work In Restricted Working Space, Add</i>	50.52 8.00	13.34
23 05 29 00-0269 EA 4" Adjustable Swivel Ring (Cooper B-Line B3171) <i>For Work In Restricted Working Space, Add</i>	66.37 9.00	15.01
23 05 29 00-0270 EA 5" Adjustable Swivel Ring (Cooper B-Line B3171) <i>For Work In Restricted Working Space, Add</i>	84.35 11.34	18.90
23 05 29 00-0271 EA 6" Adjustable Swivel Ring (Cooper B-Line B3171) <i>For Work In Restricted Working Space, Add</i>	111.86 13.34	22.24
23 05 29 00-0272 Extension Split Pipe Clamp, Malleable Iron (Cooper B-Line B3198R) <small>(23 05 29 00-0260)</small> Note: Type 11.		
23 05 29 00-0273 EA 1/2" Extension Split Pipe Clamp, Malleable Iron (Cooper B-Line B3198R)..... <i>For Work In Restricted Working Space, Add</i>	19.01 4.78	7.80
23 05 29 00-0274 EA 3/4" Extension Split Pipe Clamp, Malleable Iron (Cooper B-Line B3198R)..... <i>For Work In Restricted Working Space, Add</i>	20.03 4.99	7.80
23 05 29 00-0275 EA 1" Extension Split Pipe Clamp, Malleable Iron (Cooper B-Line B3198R)..... <i>For Work In Restricted Working Space, Add</i>	22.09 5.57	10.03
23 05 29 00-0276 EA 1-1/4" Extension Split Pipe Clamp, Malleable Iron (Cooper B-Line B3198R) <i>For Work In Restricted Working Space, Add</i>	23.92 5.87	10.03
23 05 29 00-0277 EA 1-1/2" Extension Split Pipe Clamp, Malleable Iron (Cooper B-Line B3198R) <i>For Work In Restricted Working Space, Add</i>	26.48 6.08	10.03
23 05 29 00-0278 EA 2" Extension Split Pipe Clamp, Malleable Iron (Cooper B-Line B3198R)..... <i>For Work In Restricted Working Space, Add</i>	30.75 6.69	11.14
23 05 29 00-0279 EA 2-1/2" Extension Split Pipe Clamp, Malleable Iron (Cooper B-Line B3198R) <i>For Work In Restricted Working Space, Add</i>	40.10 6.96	11.14
23 05 29 00-0280 EA 3" Extension Split Pipe Clamp, Malleable Iron (Cooper B-Line B3198R)..... <i>For Work In Restricted Working Space, Add</i>	44.37 7.27	12.26
23 05 29 00-0281 EA 4" Extension Split Pipe Clamp, Malleable Iron (Cooper B-Line B3198R)..... <i>For Work In Restricted Working Space, Add</i>	47.33 7.96	13.38
23 05 29 00-0282 Hinged Extension Split Pipe Clamp (Cooper B-Line B3198H) <small>(23 05 29 00-0280)</small> Note: Type 12.		
23 05 29 00-0283 EA 1/2" Hinged Extension Split Pipe Clamp (Cooper B-Line B3198H)..... <i>For Work In Restricted Working Space, Add</i>	19.01 4.78	7.80
23 05 29 00-0284 EA 3/4" Hinged Extension Split Pipe Clamp (Cooper B-Line B3198H)..... <i>For Work In Restricted Working Space, Add</i>	20.03 4.99	8.36
23 05 29 00-0285 EA 1" Hinged Extension Split Pipe Clamp (Cooper B-Line B3198H)..... <i>For Work In Restricted Working Space, Add</i>	22.09 5.57	9.48
23 05 29 00-0286 EA 1-1/4" Hinged Extension Split Pipe Clamp (Cooper B-Line B3198H) <i>For Work In Restricted Working Space, Add</i>	23.92 5.87	10.03
23 05 29 00-0287 EA 1-1/2" Hinged Extension Split Pipe Clamp (Cooper B-Line B3198H) <i>For Work In Restricted Working Space, Add</i>	26.48 6.08	10.03
23 05 29 00-0288 EA 2" Hinged Extension Split Pipe Clamp (Cooper B-Line B3198H)..... <i>For Work In Restricted Working Space, Add</i>	30.75 6.69	11.14
23 05 29 00-0289 EA 2-1/2" Hinged Extension Split Pipe Clamp (Cooper B-Line B3198H) <i>For Work In Restricted Working Space, Add</i>	40.10 6.96	11.70
23 05 29 00-0290 EA 3" Hinged Extension Split Pipe Clamp (Cooper B-Line B3198H)..... <i>For Work In Restricted Working Space, Add</i>	44.37 7.27	12.26
23 05 29 00-0291 Pipe Straps <small>(23 05 29 00-0001)</small>		
23 05 29 00-0292 Standard Two Hole Pipe Strap, Steel (Cooper B-Line B-3180) <small>(23 05 29 00-0291)</small> Note: Type 26.		
23 05 29 00-0293 EA 1/2" Standard Two Hole Pipe Strap, Plain Steel (Cooper B-Line B-3180) <i>For Work In Restricted Working Space, Add</i>	14.13 3.34	5.57

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 05 Common Work Results For HVAC****23 05 29 Hangers And Supports For HVAC Piping And Equipment**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0294 EA 3/4" Standard Two Hole Pipe Strap, Plain Steel (Cooper B-Line B-3180)	14.89	6.68
For Work In Restricted Working Space, Add	3.52	
23 05 29 00-0295 EA 1" Standard Two Hole Pipe Strap, Plain Steel (Cooper B-Line B-3180)	15.62	6.68
For Work In Restricted Working Space, Add	3.71	
23 05 29 00-0296 EA 1-1/4" Standard Two Hole Pipe Strap, Plain Steel (Cooper B-Line B-3180)	16.47	6.68
For Work In Restricted Working Space, Add	3.93	
23 05 29 00-0297 EA 1-1/2" Standard Two Hole Pipe Strap, Plain Steel (Cooper B-Line B-3180)	17.40	7.80
For Work In Restricted Working Space, Add	4.18	
23 05 29 00-0298 EA 2" Standard Two Hole Pipe Strap, Plain Steel (Cooper B-Line B-3180)	18.59	7.80
For Work In Restricted Working Space, Add	4.46	
23 05 29 00-0299 EA 2-1/2" Standard Two Hole Pipe Strap, Plain Steel (Cooper B-Line B-3180)	26.33	7.80
For Work In Restricted Working Space, Add	4.78	
23 05 29 00-0300 EA 3" Standard Two Hole Pipe Strap, Plain Steel (Cooper B-Line B-3180)	28.95	7.80
For Work In Restricted Working Space, Add	5.14	
23 05 29 00-0301 EA 4" Standard Two Hole Pipe Strap, Plain Steel (Cooper B-Line B-3180)	34.27	10.03
For Work In Restricted Working Space, Add	6.02	
23 05 29 00-0302 EA 6" Standard Two Hole Pipe Strap, Plain Steel (Cooper B-Line B-3180)	41.88	11.14
For Work In Restricted Working Space, Add	6.69	
23 05 29 00-0303 EA 8" Standard Two Hole Pipe Strap, Plain Steel (Cooper B-Line B-3180)	47.90	12.26
For Work In Restricted Working Space, Add	7.35	
23 05 29 00-0304 2-Hole Copper Straps (23 05 29 00-0291)		
23 05 29 00-0305 EA 1/2" 2-Hole Copper Straps.....	5.77	
For Work In Restricted Working Space, Add	1.67	
23 05 29 00-0306 EA 3/4" 2-Hole Copper Straps.....	6.19	
For Work In Restricted Working Space, Add	1.76	
23 05 29 00-0307 EA 1" 2-Hole Copper Straps.....	2.93	
For Work In Restricted Working Space, Add	0.76	
23 05 29 00-0308 Black Malleable Iron Clamps, 1 Hole (23 05 29 00-0291)		
23 05 29 00-0309 EA 1/2" Galvanized Steel Strap, 1 Hole.....	2.52	
For Work In Restricted Working Space, Add	0.56	
23 05 29 00-0310 EA 3/4" Galvanized Steel Strap, 1 Hole.....	2.76	
For Work In Restricted Working Space, Add	0.60	
23 05 29 00-0311 EA 1" Galvanized Steel Strap, 1 Hole.....	3.32	
For Work In Restricted Working Space, Add	0.64	
23 05 29 00-0312 EA 1-1/4" Galvanized Steel Strap, 1 Hole.....	3.80	
For Work In Restricted Working Space, Add	0.70	
23 05 29 00-0313 EA 1-1/2" Galvanized Steel Strap, 1 Hole.....	4.29	
For Work In Restricted Working Space, Add	0.76	
23 05 29 00-0314 EA 2" Galvanized Steel Strap, 1 Hole.....	5.57	
For Work In Restricted Working Space, Add	0.83	
23 05 29 00-0315 Pipe and Equipment Support Brackets (23 05 29 00-0001)		
23 05 29 00-0316 Pipe and Equipment Supports, Light Duty Welded Steel Bracket (Cooper B-Line B3068) (23 05 29 00-0315)		
Note: Up to 750# load.		
23 05 29 00-0317 EA 9" x 9" Light Duty Welded Steel Bracket, Wall Mounted (Cooper B-Line B3068)	106.60	12.30
For Galvanized, Add	16.40	
For Work In Restricted Working Space, Add	7.39	
23 05 29 00-0318 EA 13" x 13" Light Duty Welded Steel Bracket, Wall Mounted (Cooper B-Line B3068).....	108.10	12.30
For Galvanized, Add	16.70	
For Work In Restricted Working Space, Add	7.39	
23 05 29 00-0319 EA 19" x 19" Light Duty Welded Steel Bracket, Wall Mounted (Cooper B-Line B3068).....	114.03	12.30
For Galvanized, Add	17.88	
For Work In Restricted Working Space, Add	7.39	
23 05 29 00-0320 Pipe and Equipment Supports, Medium Duty Welded Steel Bracket (Cooper B-Line B3066) (23 05 29 00-0315)		
Note: Up to 1500# load.		
23 05 29 00-0321 EA 12" Wide x 18" Deep Medium Duty Welded Steel Bracket, Wall Mounted (Cooper B-Line B3066).....	251.46	12.30
For Galvanized, Add	45.37	
For Work In Restricted Working Space, Add	7.39	
23 05 29 00-0322 EA 18" Wide x 24" Deep Medium Duty Welded Steel Bracket, Wall Mounted (Cooper B-Line B3066).....	294.10	12.30
For Galvanized, Add	53.90	
For Work In Restricted Working Space, Add	7.39	
23 05 29 00-0323 EA 24" Wide x 30" Deep Medium Duty Welded Steel Bracket, Wall Mounted (Cooper B-Line B3066).....	381.06	12.30
For Galvanized, Add	71.29	
For Work In Restricted Working Space, Add	7.39	
23 05 29 00-0324 Pipe Alignment Guide (23 05 29 00-0001)		
23 05 29 00-0325 Pipe Alignment Guide, 1" Insulation (23 05 29 00-0324)		
23 05 29 00-0326 EA 1/2" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-1/2)	236.02	19.48
23 05 29 00-0327 EA 3/4" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-3/4)	237.04	20.00
23 05 29 00-0328 EA 1" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-1).....	238.07	20.51
23 05 29 00-0329 EA 1-1/4" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-1-1/4).....	239.09	21.02



	MINOR CSI UOM DESCRIPTION		TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0330	EA	1-1/2" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-1-1/2).....	259.31	21.53
23 05 29 00-0331	EA	2" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-2).....	266.40	23.59
23 05 29 00-0332	EA	2-1/2" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-2-1/2).....	267.94	24.36
23 05 29 00-0333	EA	3" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-3).....	269.47	25.13
23 05 29 00-0334	EA	4" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-4).....	285.28	26.67
23 05 29 00-0335	EA	5" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-5).....	335.78	33.85
23 05 29 00-0336	EA	6" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-6).....	350.14	41.03
23 05 29 00-0337	EA	8" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-8).....	400.31	51.28
23 05 29 00-0338	EA	10" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-10).....	702.68	61.53
23 05 29 00-0339	EA	12" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-12).....	1,056.34	82.05
23 05 29 00-0340	EA	14" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-14).....	1,301.68	102.56
23 05 29 00-0341	EA	16" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-16).....	1,556.60	114.87
23 05 29 00-0342	EA	18" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-18).....	1,683.78	128.21
23 05 29 00-0343	EA	20" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-20).....	1,801.20	146.66
23 05 29 00-0344	EA	24" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-24).....	2,234.58	153.84
23 05 29 00-0345	Pipe Alignment Guide, 1-1/2" Insulation (23 05 29 00-0324)			
23 05 29 00-0346	EA	1/2" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-1/2).....	237.04	20.00
23 05 29 00-0347	EA	3/4" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-3/4).....	257.26	20.51
23 05 29 00-0348	EA	1" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-1).....	258.28	21.02
23 05 29 00-0349	EA	1-1/4" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-1-1/4).....	259.31	21.53
23 05 29 00-0350	EA	1-1/2" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-1-1/2).....	260.33	22.05
23 05 29 00-0351	EA	2" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-2).....	267.42	24.11
23 05 29 00-0352	EA	2-1/2" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-2-1/2).....	268.96	24.87
23 05 29 00-0353	EA	3" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-3).....	283.23	25.65
23 05 29 00-0354	EA	4" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-4).....	286.31	27.18
23 05 29 00-0355	EA	5" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-5).....	337.31	34.61
23 05 29 00-0356	EA	6" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-6).....	352.19	42.05
23 05 29 00-0357	EA	8" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-8).....	402.87	52.57
23 05 29 00-0358	EA	10" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-10).....	705.75	63.07
23 05 29 00-0359	EA	12" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-12).....	1,060.45	84.10
23 05 29 00-0360	EA	14" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-14).....	1,306.82	105.12
23 05 29 00-0361	EA	16" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-16).....	1,562.75	117.95
23 05 29 00-0362	EA	18" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-18).....	1,689.93	131.28
23 05 29 00-0363	EA	20" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-20).....	1,808.37	150.25
23 05 29 00-0364	EA	24" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-24).....	2,242.27	157.69
23 05 29 00-0365	Pipe Alignment Guide, 2" Insulation (23 05 29 00-0324)			
23 05 29 00-0366	EA	1/2" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-1/2).....	257.26	20.51
23 05 29 00-0367	EA	3/4" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-3/4).....	261.27	21.02
23 05 29 00-0368	EA	1" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-1).....	262.30	21.53
23 05 29 00-0369	EA	1-1/4" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-1-1/4).....	263.32	22.05
23 05 29 00-0370	EA	1-1/2" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-1-1/2).....	264.35	22.56
23 05 29 00-0371	EA	2" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-2).....	281.18	24.62
23 05 29 00-0372	EA	2-1/2" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-2-1/2).....	283.23	25.65
23 05 29 00-0373	EA	3" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-3).....	284.52	26.28
23 05 29 00-0374	EA	4" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-4).....	323.47	27.70
23 05 29 00-0375	EA	5" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-5).....	338.86	35.39
23 05 29 00-0376	EA	6" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-6).....	383.90	43.08
23 05 29 00-0377	EA	8" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-8).....	438.30	53.84
23 05 29 00-0378	EA	10" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-10).....	708.83	64.61
23 05 29 00-0379	EA	12" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-12).....	1,064.55	86.15
23 05 29 00-0380	EA	14" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-14).....	1,311.94	107.69
23 05 29 00-0381	EA	16" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-16).....	1,568.67	120.91
23 05 29 00-0382	EA	18" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-18).....	1,696.60	134.61
23 05 29 00-0383	EA	20" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-20).....	1,815.56	153.84
23 05 29 00-0384	EA	24" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-24).....	2,249.96	161.53
23 05 29 00-0385	Pipe Alignment Guide, 2-1/2" Insulation (23 05 29 00-0324)			
23 05 29 00-0386	EA	1/2" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-1/2).....	261.27	21.02
23 05 29 00-0387	EA	3/4" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-3/4).....	275.03	21.53
23 05 29 00-0388	EA	1" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-1).....	276.05	22.05
23 05 29 00-0389	EA	1-1/4" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-1-1/4).....	277.08	22.56
23 05 29 00-0390	EA	1-1/2" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-1-1/2).....	278.10	23.08
23 05 29 00-0391	EA	2" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-2).....	282.20	25.13
23 05 29 00-0392	EA	2-1/2" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-2-1/2).....	284.52	26.28
23 05 29 00-0393	EA	3" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-3).....	321.93	26.92
23 05 29 00-0394	EA	4" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-4).....	324.50	28.21
23 05 29 00-0395	EA	5" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-5).....	369.55	35.90
23 05 29 00-0396	EA	6" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-6).....	385.95	44.10
23 05 29 00-0397	EA	8" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-8).....	689.85	55.13
23 05 29 00-0398	EA	10" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-10).....	1,024.55	66.15
23 05 29 00-0399	EA	12" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-12).....	1,272.97	88.20
23 05 29 00-0400	EA	14" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-14).....	1,317.27	110.25
23 05 29 00-0401	EA	16" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-16).....	1,575.06	124.10
23 05 29 00-0402	EA	18" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-18).....	1,703.26	137.95
23 05 29 00-0403	EA	20" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-20).....	1,823.25	157.69
23 05 29 00-0404	EA	24" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-24).....	2,258.17	165.64

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 05 Common Work Results For HVAC****23 05 29 Hangers And Supports For HVAC Piping And Equipment**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0405 Pipe Alignment Guide, 3" Insulation (23 05 29 00-0324)		
23 05 29 00-0406 EA 1/2" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-1/2)	275.03	21.53
23 05 29 00-0407 EA 3/4" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-3/4)	276.05	22.05
23 05 29 00-0408 EA 1" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-1)	277.08	22.56
23 05 29 00-0409 EA 1-1/4" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-1-1/4)	278.10	23.08
23 05 29 00-0410 EA 1-1/2" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-1-1/2)	279.13	23.59
23 05 29 00-0411 EA 2" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-2)	319.37	25.65
23 05 29 00-0412 EA 2-1/2" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-2-1/2)	321.93	26.92
23 05 29 00-0413 EA 3" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-3)	323.47	27.70
23 05 29 00-0414 EA 4" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-4)	355.59	28.92
23 05 29 00-0415 EA 5" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-5)	371.60	36.92
23 05 29 00-0416 EA 6" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-6)	420.87	45.13
23 05 29 00-0417 EA 8" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-8)	692.41	56.41
23 05 29 00-0418 EA 10" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-10)	1,027.62	67.69
23 05 29 00-0419 EA 12" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-12)	1,277.07	90.26
23 05 29 00-0420 EA 14" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-14)	1,322.40	112.81
23 05 29 00-0421 EA 16" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-16)	1,581.21	127.18
23 05 29 00-0422 EA 18" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-18)	1,709.42	141.02
23 05 29 00-0423 EA 20" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-20)	1,830.94	161.53
23 05 29 00-0424 EA 24" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-24)	2,266.37	169.74
23 05 29 00-0425 Pipe Alignment Guide, 3-1/2" Insulation (23 05 29 00-0324)		
23 05 29 00-0426 EA 1/2" Diameter Pipe Alignment Guide, 3-1/2" Insulation (Cooper B-Line B3286-1/2)	276.05	22.05
23 05 29 00-0427 EA 3/4" Diameter Pipe Alignment Guide, 3-1/2" Insulation (Cooper B-Line B3286-3/4)	313.22	22.56
23 05 29 00-0428 EA 1" Diameter Pipe Alignment Guide, 3-1/2" Insulation (Cooper B-Line B3286-1)	314.24	23.08
23 05 29 00-0429 EA 1-1/4" Diameter Pipe Alignment Guide, 3-1/2" Insulation (Cooper B-Line B3286-1-1/4)	315.27	23.59
23 05 29 00-0430 EA 1-1/2" Diameter Pipe Alignment Guide, 3-1/2" Insulation (Cooper B-Line B3286-1-1/2)	316.29	24.11
23 05 29 00-0431 EA 2" Diameter Pipe Alignment Guide, 3-1/2" Insulation (Cooper B-Line B3286-2)	320.66	26.28
23 05 29 00-0432 EA 2-1/2" Diameter Pipe Alignment Guide, 3-1/2" Insulation (Cooper B-Line B3286-2-1/2)	323.27	27.59
23 05 29 00-0433 EA 3" Diameter Pipe Alignment Guide, 3-1/2" Insulation (Cooper B-Line B3286-3)	354.52	28.38
23 05 29 00-0434 EA 4" Diameter Pipe Alignment Guide, 3-1/2" Insulation (Cooper B-Line B3286-4)	357.23	29.75
23 05 29 00-0435 EA 5" Diameter Pipe Alignment Guide, 3-1/2" Insulation (Cooper B-Line B3286-5)	406.51	37.95
23 05 29 00-0436 EA 6" Diameter Pipe Alignment Guide, 3-1/2" Insulation (Cooper B-Line B3286-6)	671.91	46.15
23 05 29 00-0437 EA 8" Diameter Pipe Alignment Guide, 3-1/2" Insulation (Cooper B-Line B3286-8)	1,007.62	57.69
23 05 29 00-0438 EA 10" Diameter Pipe Alignment Guide, 3-1/2" Insulation (Cooper B-Line B3286-10)	1,235.53	69.39
23 05 29 00-0439 EA 12" Diameter Pipe Alignment Guide, 3-1/2" Insulation (Cooper B-Line B3286-12)	1,511.47	92.31
23 05 29 00-0440 EA 14" Diameter Pipe Alignment Guide, 3-1/2" Insulation (Cooper B-Line B3286-14)	1,558.14	115.64
23 05 29 00-0441 EA 16" Diameter Pipe Alignment Guide, 3-1/2" Insulation (Cooper B-Line B3286-16)	1,692.62	130.26
23 05 29 00-0442 EA 18" Diameter Pipe Alignment Guide, 3-1/2" Insulation (Cooper B-Line B3286-18)	1,797.09	144.61
23 05 29 00-0443 EA 20" Diameter Pipe Alignment Guide, 3-1/2" Insulation (Cooper B-Line B3286-20)	2,257.14	165.13
23 05 29 00-0444 Pipe Alignment Guide, 4" Insulation (23 05 29 00-0324)		
23 05 29 00-0445 EA 1/2" Diameter Pipe Alignment Guide, 4" Insulation (Cooper B-Line B3287-1/2)	313.22	22.56
23 05 29 00-0446 EA 3/4" Diameter Pipe Alignment Guide, 4" Insulation (Cooper B-Line B3287-3/4)	314.24	23.08
23 05 29 00-0447 EA 1" Diameter Pipe Alignment Guide, 4" Insulation (Cooper B-Line B3287-1)	315.27	23.59
23 05 29 00-0448 EA 1-1/4" Diameter Pipe Alignment Guide, 4" Insulation (Cooper B-Line B3287-1-1/4)	316.29	24.11
23 05 29 00-0449 EA 1-1/2" Diameter Pipe Alignment Guide, 4" Insulation (Cooper B-Line B3287-1-1/2)	317.32	24.62
23 05 29 00-0450 EA 2" Diameter Pipe Alignment Guide, 4" Insulation (Cooper B-Line B3287-2)	351.59	26.92
23 05 29 00-0451 EA 2-1/2" Diameter Pipe Alignment Guide, 4" Insulation (Cooper B-Line B3287-2-1/2)	354.16	28.21
23 05 29 00-0452 EA 3" Diameter Pipe Alignment Guide, 4" Insulation (Cooper B-Line B3287-3)	355.91	29.07
23 05 29 00-0453 EA 4" Diameter Pipe Alignment Guide, 4" Insulation (Cooper B-Line B3287-4)	391.63	30.51
23 05 29 00-0454 EA 5" Diameter Pipe Alignment Guide, 4" Insulation (Cooper B-Line B3287-5)	657.55	38.98
23 05 29 00-0455 EA 6" Diameter Pipe Alignment Guide, 4" Insulation (Cooper B-Line B3287-6)	673.96	47.18
23 05 29 00-0456 EA 8" Diameter Pipe Alignment Guide, 4" Insulation (Cooper B-Line B3287-8)	1,010.19	58.97
23 05 29 00-0457 EA 10" Diameter Pipe Alignment Guide, 4" Insulation (Cooper B-Line B3287-10)	1,239.32	71.29
23 05 29 00-0458 EA 12" Diameter Pipe Alignment Guide, 4" Insulation (Cooper B-Line B3287-12)	1,516.09	94.62
23 05 29 00-0459 EA 14" Diameter Pipe Alignment Guide, 4" Insulation (Cooper B-Line B3287-14)	1,663.26	117.95
23 05 29 00-0460 EA 16" Diameter Pipe Alignment Guide, 4" Insulation (Cooper B-Line B3287-16)	1,774.53	133.33
23 05 29 00-0461 EA 18" Diameter Pipe Alignment Guide, 4" Insulation (Cooper B-Line B3287-18)	2,224.32	148.71
23 05 29 00-0462 Sway Bracing For No Hub Pipe (23 05 29 00-0001)		
23 05 29 00-0463 EA 1-1/2" Sway Bracing.....	89.51	13.54
For Work In Restricted Working Space, Add	8.10	
23 05 29 00-0464 EA 2" Sway Bracing.....	92.50	14.26
For Work In Restricted Working Space, Add	8.55	
23 05 29 00-0465 EA 3" Sway Bracing.....	96.08	15.08
For Work In Restricted Working Space, Add	9.05	
23 05 29 00-0466 EA 4" Sway Bracing.....	109.04	17.13
For Work In Restricted Working Space, Add	10.26	
23 05 29 00-0467 EA 6" Sway Bracing.....	160.43	25.65
For Work In Restricted Working Space, Add	15.38	
23 05 29 00-0468 EA 8" Sway Bracing.....	180.66	32.00
For Work In Restricted Working Space, Add	19.23	
23 05 29 00-0469 EA 10" Sway Bracing.....	209.00	42.77
For Work In Restricted Working Space, Add	25.64	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0470				Pipe Stand With Adjustable Saddle (Cooper B-Line B3088T-18 Base, B3093 Adjustable Pipe Saddle) (23 05 29 00-0001)		
				Note: Heights listed is total for base and adjustable saddle		
23 05 29 00-0471	EA			23" to 28" High Pipe Stand With Adjustable Saddle For 1-1/4" Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle).....	124.81	10.25
				For Work In Restricted Working Space, Add	6.15	
23 05 29 00-0472	EA			24" to 29" High Pipe Stand With Adjustable Saddle For 1-1/2" Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle).....	128.32	11.28
				For Work In Restricted Working Space, Add	6.77	
23 05 29 00-0473	EA			24" to 29" High Pipe Stand With Adjustable Saddle For 2" Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle).....	223.46	12.82
				For Work In Restricted Working Space, Add	7.70	
23 05 29 00-0474	EA			24" to 29" High Pipe Stand With Adjustable Saddle For 2-1/2" Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle).....	280.22	14.36
				For Work In Restricted Working Space, Add	8.62	
23 05 29 00-0475	EA			24" to 29" High Pipe Stand With Adjustable Saddle For 3" Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle).....	285.29	15.89
				For Work In Restricted Working Space, Add	9.54	
23 05 29 00-0476	EA			25" to 29" High Pipe Stand With Adjustable Saddle For 3-1/2" Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle).....	311.30	17.94
				For Work In Restricted Working Space, Add	10.77	
23 05 29 00-0477	EA			25" to 30" High Pipe Stand With Adjustable Saddle For 4" Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle).....	373.19	19.48
				For Work In Restricted Working Space, Add	11.69	
23 05 29 00-0478	EA			25" to 30" High Pipe Stand With Adjustable Saddle For 5" Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle).....	378.89	21.02
				For Work In Restricted Working Space, Add	12.62	
23 05 29 00-0479	EA			26" to 31" High Pipe Stand With Adjustable Saddle For 6" Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle).....	386.29	23.08
				For Work In Restricted Working Space, Add	13.85	
23 05 29 00-0480	EA			28" to 33" High Pipe Stand With Adjustable Saddle For 8" Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle).....	402.07	25.13
				For Work In Restricted Working Space, Add	15.08	
23 05 29 00-0481	EA			29" to 34" High Pipe Stand With Adjustable Saddle For 10" Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle).....	428.84	27.70
				For Work In Restricted Working Space, Add	16.61	
23 05 29 00-0482	EA			30" to 35" High Pipe Stand With Adjustable Saddle For 12" Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle).....	443.50	30.77
				For Work In Restricted Working Space, Add	18.46	
23 05 29 00-0483	EA			32" to 37" High Pipe Stand With Adjustable Saddle For 14" Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle).....	537.44	33.85
				For Work In Restricted Working Space, Add	20.31	
23 05 29 00-0484	EA			33" to 38" High Pipe Stand With Adjustable Saddle For 16" Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle).....	582.90	37.95
				For Work In Restricted Working Space, Add	22.77	
23 05 29 00-0485	EA			35" to 40" High Pipe Stand With Adjustable Saddle For 18" Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle).....	818.27	42.05
				For Work In Restricted Working Space, Add	25.23	
23 05 29 00-0486	EA			36" to 41" High Pipe Stand With Adjustable Saddle For 20" Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle).....	980.80	46.15
				For Work In Restricted Working Space, Add	27.69	
23 05 29 00-0487	EA			39" to 44" High Pipe Stand With Adjustable Saddle For 24" Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle).....	1,153.39	50.25
				For Work In Restricted Working Space, Add	30.15	
23 05 29 00-0488				Channel Mounted Cushion Clamp (23 05 29 00-0001)		
				Note: Includes fastening into channel.		
23 05 29 00-0489	EA			1/2" Channel Mounted Cushion Clamp For 3/8" Pipe.....	13.00	4.61
23 05 29 00-0490	EA			5/8" Channel Mounted Cushion Clamp For 1/2" Pipe.....	13.69	5.13
23 05 29 00-0491	EA			7/8" Channel Mounted Cushion Clamp For 3/4" Pipe.....	14.76	5.39
23 05 29 00-0492	EA			1-1/8" Channel Mounted Cushion Clamp For 1" Pipe.....	15.88	5.64
23 05 29 00-0493	EA			1-3/8" Channel Mounted Cushion Clamp For 1-1/4" Pipe.....	17.82	6.15
23 05 29 00-0494	EA			1-5/8" Channel Mounted Cushion Clamp For 1-1/2" Pipe.....	19.45	6.41
23 05 29 00-0495	EA			2-1/8" Channel Mounted Cushion Clamp For 2" Pipe.....	25.19	6.67
23 05 29 00-0496	EA			2-5/8" Channel Mounted Cushion Clamp For 2-1/2" Pipe.....	29.00	7.18
23 05 29 00-0497	EA			3-1/8" Channel Mounted Cushion Clamp For 3" Pipe.....	36.62	8.20
23 05 29 00-0498	EA			4-1/8" Channel Mounted Cushion Clamp For 4" Pipe.....	51.22	9.23
23 05 29 00-0499				Galvanized Steel Cushion Tube Clamp (23 05 29 00-0001)		
				Note: Excludes fastening bolt and drilling if necessary.		
23 05 29 00-0500	EA			1/2" Vinyl Coated Galvanized Cushion Tube Clamp, 1/2" Width For 3/8" Pipe.....	3.60	
				Note: 19/32" Center To Center Length, 9/32" Hole Diameter For Screw		
23 05 29 00-0501	EA			1/2" Vinyl Coated Galvanized Cushion Tube Clamp, 3/4" Width For 3/8" Pipe.....	3.66	
				Note: 23/32" Center To Center Length, 13/32" Hole Diameter For Screw		
23 05 29 00-0502	EA			5/8" Vinyl Coated Galvanized Cushion Tube Clamp, 1/2" Width For 1/2" Pipe.....	3.71	
				Note: 23/32" Center To Center Length, 9/32" Hole Diameter For Screw		
23 05 29 00-0503	EA			5/8" Vinyl Coated Galvanized Cushion Tube Clamp, 3/4" Width For 1/2" Pipe.....	3.82	
				Note: 27/32" Center To Center Length, 13/32" Hole Diameter For Screw		
23 05 29 00-0504	EA			7/8" Vinyl Coated Galvanized Cushion Tube Clamp, 1/2" Width For 3/4" Pipe.....	3.69	
				Note: 27/32" Center To Center Length, 9/32" Hole Diameter For Screw		

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 05 Common Work Results For HVAC****23 05 29 Hangers And Supports For HVAC Piping And Equipment**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0505 EA 7/8" Vinyl Coated Galvanized Cushion Tube Clamp, 3/4" Width For 3/4" Pipe.....	3.89	
Note: 31/32" Center To Center Length, 13/32" Hole Diameter For Screw		
23 05 29 00-0506 EA 1-1/8" Vinyl Coated Galvanized Cushion Tube Clamp, 1/2" Width For 1" Pipe.....	3.76	
Note: 31/32" Center To Center Length, 9/32" Hole Diameter For Screw		
23 05 29 00-0507 EA 1-1/8" Vinyl Coated Galvanized Cushion Tube Clamp, 3/4" Width For 1" Pipe.....	4.01	
Note: 1-1/32" Center To Center Length, 13/32" Hole Diameter For Screw		
23 05 29 00-0508 EA 1-1/8" Vinyl Coated Galvanized Cushion Tube Clamp, 1" Width For 1" Pipe.....	4.02	
Note: 1-5/32" Center To Center Length, 17/32" Hole Diameter For Screw		
23 05 29 00-0509 EA 1-3/8" Vinyl Coated Galvanized Cushion Tube Clamp, 1/2" Width For 1-1/4" Pipe	3.88	
Note: 1-3/32" Center To Center Length, 9/32" Hole Diameter For Screw		
23 05 29 00-0510 EA 1-3/8" Vinyl Coated Galvanized Cushion Tube Clamp, 3/4" Width For 1-1/4" Pipe	3.99	
Note: 1-7/32" Center To Center Length, 13/32" Hole Diameter For Screw		
23 05 29 00-0511 EA 1-3/8" Vinyl Coated Galvanized Cushion Tube Clamp, 1" Width For 1-1/4" Pipe	4.34	
Note: 1-11/16" Center To Center Length, 17/32" Hole Diameter For Screw		
23 05 29 00-0512 EA 1-5/8" Vinyl Coated Galvanized Cushion Tube Clamp, 1/2" Width For 1-1/2" Pipe	4.00	
Note: 1-5/16" Center To Center Length, 9/32" Hole Diameter For Screw		
23 05 29 00-0513 EA 1-5/8" Vinyl Coated Galvanized Cushion Tube Clamp, 3/4" Width For 1-1/2" Pipe	4.23	
Note: 1-9/16" Center To Center Length, 13/32" Hole Diameter For Screw		
23 05 29 00-0514 EA 1-3/8" Vinyl Coated Galvanized Cushion Tube Clamp, 1" Width For 1-1/2" Pipe	4.60	
Note: 1-13/16" Center To Center Length, 17/32" Hole Diameter For Screw		
23 05 29 00-0515 EA 2-1/8" Vinyl Coated Galvanized Cushion Tube Clamp, 1/2" Width For 2" Pipe.....	4.63	
Note: 1-7/16" Center To Center Length, 9/32" Hole Diameter For Screw		
23 05 29 00-0516 EA 2-1/8" Vinyl Coated Galvanized Cushion Tube Clamp, 3/4" Width For 2" Pipe.....	4.83	
Note: 1-9/16" Center To Center Length, 13/32" Hole Diameter For Screw		
23 05 29 00-0517 EA 2-1/8" Vinyl Coated Galvanized Cushion Tube Clamp, 1" Width For 2" Pipe.....	5.24	
Note: 1-11/16" Center To Center Length, 17/32" Hole Diameter For Screw		
23 05 29 00-0518 EA 2-5/8" Vinyl Coated Galvanized Cushion Tube Clamp, 1/2" Width For 2-1/2" Pipe	5.36	
Note: 1-11/16" Center To Center Length, 9/32" Hole Diameter For Screw		
23 05 29 00-0519 EA 2-5/8" Vinyl Coated Galvanized Cushion Tube Clamp, 3/4" Width For 2-1/2" Pipe	5.97	
Note: 1-13/16" Center To Center Length, 13/32" Hole Diameter For Screw		
23 05 29 00-0520 EA 2-5/8" Vinyl Coated Galvanized Cushion Tube Clamp, 1" Width For 2-1/2" Pipe	6.02	
Note: 1-15/16" Center To Center Length, 17/32" Hole Diameter For Screw		
23 05 29 00-0521 EA 3-1/8" Vinyl Coated Galvanized Cushion Tube Clamp, 1/2" Width For 3" Pipe.....	5.49	
Note: 1-15/16" Center To Center Length, 9/32" Hole Diameter For Screw		
23 05 29 00-0522 EA 3-1/8" Vinyl Coated Galvanized Cushion Tube Clamp, 3/4" Width For 3" Pipe.....	5.97	
Note: 2-1/16" Center To Center Length, 13/32" Hole Diameter For Screw		
23 05 29 00-0523 EA 3-1/8" Vinyl Coated Galvanized Cushion Tube Clamp, 1" Width For 3" Pipe.....	6.26	
Note: 2-3/16" Center To Center Length, 17/32" Hole Diameter For Screw		
23 05 29 00-0524 EA 3-5/8" Vinyl Coated Galvanized Cushion Tube Clamp, 1/2" Width For 3-1/2" Pipe	5.64	
Note: 2-3/16" Center To Center Length, 9/32" Hole Diameter For Screw		
23 05 29 00-0525 EA 3-5/8" Vinyl Coated Galvanized Cushion Tube Clamp, 3/4" Width For 3-1/2" Pipe	5.94	
Note: 2-5/16" Center To Center Length, 13/32" Hole Diameter For Screw		
23 05 29 00-0526 EA 3-5/8" Vinyl Coated Galvanized Cushion Tube Clamp, 1" Width For 3-1/2" Pipe	7.07	
Note: 2-7/16" Center To Center Length, 17/32" Hole Diameter For Screw		
23 05 29 00-0527 EA 4" Vinyl Coated Galvanized Cushion Tube Clamp, 1/2" Width For 4" Pipe.....	5.61	
Note: 2-7/16" Center To Center Length, 9/32" Hole Diameter For Screw		
23 05 29 00-0528 EA 4" Vinyl Coated Galvanized Cushion Tube Clamp, 3/4" Width For 4" Pipe.....	6.04	
Note: 2-9/16" Center To Center Length, 13/32" Hole Diameter For Screw		
23 05 29 00-0529 EA 4" Vinyl Coated Galvanized Cushion Tube Clamp, 1" Width For 4" Pipe.....	7.32	
Note: 2-11/16" Center To Center Length, 17/32" Hole Diameter For Screw		
23 05 29 00-0530 Rooftop Pipe Supports (23 05 29 00-0001)		
Note: Excludes pipe/conduit clamps and straps.		
23 05 29 00-0531 Rooftop Support Base (23 05 29 00-0530)		
23 05 29 00-0532 EA 4" x 6" x 4.8" Rooftop Support Base (Cooper B-Line Dura-Blok DBM)	34.12	8.36
23 05 29 00-0533 EA 4" x 6" x 9.6" Rooftop Support Base (Cooper B-Line Dura-Blok DBP).....	47.41	11.14
23 05 29 00-0534 Rooftop Support Base With 14 Gauge Galvanized Channel (23 05 29 00-0530)		
23 05 29 00-0535 EA 5" x 6" x 4.8" Rooftop Support Base With 14 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB5)	38.46	8.36
23 05 29 00-0536 EA 5" x 6" x 9.6" Rooftop Support Base With 14 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB10).....	54.45	11.14
23 05 29 00-0537 EA 5" x 6" x 20.2" Rooftop Support Base With 14 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB20)	98.69	13.93
23 05 29 00-0538 EA 5" x 6" x 30.8" Rooftop Support Base With 14 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB30)	135.70	16.71
23 05 29 00-0539 EA 5" x 6" x 41.4" Rooftop Support Base With 14 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB40)	186.90	19.50
23 05 29 00-0540 EA 5" x 6" x 52" Rooftop Support Base With 14 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB48)	197.59	22.29
23 05 29 00-0541 Rooftop Support Base With 12 Gauge Galvanized Channel (23 05 29 00-0530)		
23 05 29 00-0542 EA 6-7/16" x 6" x 9.6" Rooftop Support Base With 12 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB610)	65.96	11.14
23 05 29 00-0543 EA 6-7/16" x 6" x 20.2" Support Base With 14 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB620).....	103.83	13.93
23 05 29 00-0544 EA 6-7/16" x 6" x 30.8" Rooftop Support Base With 12 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB630)	137.76	16.71
23 05 29 00-0545 EA 6-7/16" x 6" x 41.4" Rooftop Support Base With 12 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB640)	187.02	19.50
23 05 29 00-0546 EA 6-7/16" x 6" x 52" Rooftop Support Base With 12 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB648)	208.95	16.71
23 05 29 00-0547 Rooftop Bridge Support Base With 12 Gauge Galvanized Channel (23 05 29 00-0530)		
23 05 29 00-0548 EA 5-5/8" x 6" x 28" Rooftop Bridge Support Base With 12 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB10-28)	109.93	16.71
23 05 29 00-0549 EA 5-5/8" x 6" x 36" Rooftop Bridge Support Base With 12 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB10-36)	125.33	19.50



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	23 05 29 00-0550	EA		5-5/8" x 6" x 42" Rooftop Bridge Support Base With 12 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB10-42)	130.86	22.29
	23 05 29 00-0551	EA		5-5/8" x 6" x 50" Rooftop Bridge Support Base With 12 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB10-50)	143.43	25.07
	23 05 29 00-0552	EA		5-5/8" x 6" x 60" Rooftop Bridge Support Base With 12 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB10-60)	182.38	27.86
23 05 29 00-0553				Rooftop Pipe Support Base And Rod <small>(23 05 29 00-0530)</small>		
	23 05 29 00-0554	EA		9.69" To 11.19" Height Rooftop Pipe Support Base And Rod (Cooper B-Line Dura-Blok DBM-1/2CT)	79.59	11.14
	23 05 29 00-0555	EA		9.84" To 11.34" Height Rooftop Pipe Support Base And Rod (Cooper B-Line Dura-Blok DBM-3/4CT)	79.59	11.14
	23 05 29 00-0556	EA		9.95" To 11.45" Height Rooftop Pipe Support Base And Rod (Cooper B-Line Dura-Blok DBM-1CT)	80.02	11.14
	23 05 29 00-0557	EA		10.13" To 11.63" Height Rooftop Pipe Support Base And Rod (Cooper B-Line Dura-Blok DBM-1-1/4CT)	86.03	13.93
	23 05 29 00-0558	EA		10.28" To 11.78" Height Rooftop Pipe Support Base And Rod (Cooper B-Line Dura-Blok DBM-1-1/2CT)	82.88	13.93
	23 05 29 00-0559	EA		10.53" To 12.03" Height Rooftop Pipe Support Base And Rod (Cooper B-Line Dura-Blok DBM-2CT)	86.92	13.93
23 05 29 00-0560				Rooftop Support Base With 14 Gauge Galvanized Channel And Fixed Height Roller Assembly <small>(23 05 29 00-0530)</small>		
	23 05 29 00-0561	EA		7.09" x 6" x 9.6" Rooftop Support Base With 14 Gauge Galvanized Channel And Fixed Height Roller Assembly (Cooper B-Line Dura-Blok DBR2-3 1/2)	100.21	11.14
	23 05 29 00-0562	EA		7.09" x 6" x 9.6" Rooftop Support Base With 14 Gauge Galvanized Channel And Fixed Height Roller Assembly (Cooper B-Line Dura-Blok DBR4-6)	111.52	11.14
	23 05 29 00-0563	EA		8.34" x 6" x 20.2" Rooftop Support Base With 14 Gauge Galvanized Channel And Fixed Height Roller Assembly (Cooper B-Line Dura-Blok DBR8-10)	146.00	13.93
	23 05 29 00-0564	EA		9.38" x 6" x 20.2" Rooftop Support Base With 14 Gauge Galvanized Channel And Fixed Height Roller Assembly (Cooper B-Line Dura-Blok DBR12-14)	192.22	13.93
	23 05 29 00-0565	EA		9.78" x 6" x 20.2" Rooftop Support Base With 14 Gauge Galvanized Channel And Fixed Height Roller Assembly (Cooper B-Line Dura-Blok DBR16-20)	260.87	13.93
23 05 29 00-0566				Rooftop Support Base And Adjustable Height Roller Assembly <small>(23 05 29 00-0530)</small>		
	23 05 29 00-0567	EA		Up To 12" Height, 6" x 9.6" Rooftop Support Base And Adjustable Height Roller Assembly (Cooper B-Line Dura-Blok DBR10-12)	125.60	16.71
23 05 29 00-0568				Rooftop Support Base And Adjustable Height Channel Assembly <small>(23 05 29 00-0530)</small>		
	23 05 29 00-0569	EA		Up To 8" Height, 6" x 9.6" Rooftop Support Base And Adjustable Height Channel Assembly (Cooper B-Line Dura-Blok DBE10-8)	83.09	13.93
	23 05 29 00-0570	EA		Up To 12" Height, 6" x 9.6" Rooftop Support Base And Adjustable Height Channel Assembly (Cooper B-Line Dura-Blok DBE10-12)	112.67	16.71
	23 05 29 00-0571	EA		Up To 16" Height, 6" x 9.6" Rooftop Support Base And Adjustable Height Channel Assembly (Cooper B-Line Dura-Blok DBE10-16)	125.86	19.50
23 05 29 00-0572				Rooftop Support Bases With Channel Support And Risers Assembly <small>(23 05 29 00-0530)</small>		
	23 05 29 00-0573	EA		23" x 25-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB2318DS)	297.68	22.29
	23 05 29 00-0574	EA		29" x 25-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB2918DS)	300.94	22.29
	23 05 29 00-0575	EA		41" x 25-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB4118DS)	312.35	22.29
	23 05 29 00-0576	EA		53" x 25-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB5318DS)	338.55	22.29
	23 05 29 00-0577	EA		23" x 31-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB2324DS)	291.88	22.29
	23 05 29 00-0578	EA		29" x 31-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB2924DS)	302.80	22.29
	23 05 29 00-0579	EA		41" x 31-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB4124DS)	314.21	22.29
	23 05 29 00-0580	EA		53" x 31-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB5324DS)	340.40	22.29
	23 05 29 00-0581	EA		23" x 43-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB2336DS)	304.85	22.29
	23 05 29 00-0582	EA		29" x 43-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB2936DS)	308.67	22.29
	23 05 29 00-0583	EA		41" x 43-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB4136DS)	319.86	22.29
	23 05 29 00-0584	EA		53" x 43-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB5336DS)	346.16	22.29
	23 05 29 00-0585	EA		23" x 55-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB2348DS)	318.12	22.29
	23 05 29 00-0586	EA		29" x 55-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB2948DS)	321.59	22.29
	23 05 29 00-0587	EA		41" x 55-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB4148DS)	332.78	22.29
	23 05 29 00-0588	EA		53" x 55-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB5348DS)	359.09	22.29

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 05 Common Work Results For HVAC****23 05 29 Hangers And Supports For HVAC Piping And Equipment**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0589			Threaded Rod, Accessories And Attachments (23 05 29)		
23 05 29 00-0590			Threaded Rod And Rod Accessories (23 05 29 00-0589)		
23 05 29 00-0591			Threaded Rod (23 05 29 00-0590) Note: Fully threaded.		
23 05 29 00-0592	LF		3/8" Diameter, Plain Finish Steel, Low Carbon Threaded Rod .....2.69	0.70	
			For Galvanized, Add	0.52	
			For Zinc Plated, Add	0.37	
			For Work In Restricted Working Space, Add	0.42	
23 05 29 00-0593	LF		1/2" Diameter, Plain Finish Steel, Low Carbon Threaded Rod .....3.52	0.74	
			For Galvanized, Add	0.82	
			For Zinc Plated, Add	0.58	
			For Work In Restricted Working Space, Add	0.44	
23 05 29 00-0594	LF		5/8" Diameter, Plain Finish Steel, Low Carbon Threaded Rod .....4.71	0.77	
			For Galvanized, Add	1.27	
			For Zinc Plated, Add	0.90	
			For Work In Restricted Working Space, Add	0.46	
23 05 29 00-0595	LF		3/4" Diameter, Plain Finish Steel, Low Carbon Threaded Rod .....7.34	0.79	
			For Galvanized, Add	2.30	
			For Zinc Plated, Add	1.64	
			For Work In Restricted Working Space, Add	0.47	
23 05 29 00-0596	LF		7/8" Diameter, Plain Finish Steel, Low Carbon Threaded Rod .....7.97	0.82	
			For Galvanized, Add	2.53	
			For Zinc Plated, Add	1.80	
			For Work In Restricted Working Space, Add	0.49	
23 05 29 00-0597	LF		1" Diameter, Plain Finish Steel, Low Carbon Threaded Rod .....10.74	0.92	
			For Galvanized, Add	3.55	
			For Zinc Plated, Add	2.53	
			For Work In Restricted Working Space, Add	0.56	
23 05 29 00-0598	LF		1-1/8" Diameter, Plain Finish Steel, Low Carbon Threaded Rod .....13.26	1.04	
			For Galvanized, Add	4.48	
			For Zinc Plated, Add	3.19	
			For Work In Restricted Working Space, Add	0.62	
23 05 29 00-0599			Rod Couplings (23 05 29 00-0590)		
23 05 29 00-0600	EA		3/8" Diameter, Threaded Rod Coupling Nut.....7.73		
			For Work In Restricted Working Space, Add	2.05	
23 05 29 00-0601	EA		1/2" Diameter, Threaded Rod Coupling Nut.....8.71		
			For Work In Restricted Working Space, Add	2.28	
23 05 29 00-0602	EA		5/8" Diameter, Threaded Rod Coupling Nut.....10.53		
			For Work In Restricted Working Space, Add	2.57	
23 05 29 00-0603	EA		3/4" Diameter, Threaded Rod Coupling Nut.....12.42		
			For Work In Restricted Working Space, Add	2.80	
23 05 29 00-0604	EA		7/8" Diameter, Threaded Rod Coupling Nut.....16.92		
			For Work In Restricted Working Space, Add	3.08	
23 05 29 00-0605	EA		1" Diameter, Threaded Rod Coupling Nut.....20.03		
			For Work In Restricted Working Space, Add	3.62	
23 05 29 00-0606	EA		1-1/8" Diameter, Threaded Rod Coupling Nut .....34.76		
			For Work In Restricted Working Space, Add	4.10	
23 05 29 00-0607			Flat Washers (23 05 29 00-0590) Note: Zinc plated.		
23 05 29 00-0608	EA		3/8" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer .....0.54	0.22	
			For Galvanized, Add	0.02	
			For Work In Restricted Working Space, Add	0.14	
23 05 29 00-0609	EA		1/2" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer .....0.69	0.22	
			For Galvanized, Add	0.04	
			For Work In Restricted Working Space, Add	0.16	
23 05 29 00-0610	EA		5/8" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer .....0.95	0.33	
			For Galvanized, Add	0.08	
			For Work In Restricted Working Space, Add	0.19	
23 05 29 00-0611	EA		3/4" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer .....1.26	0.33	
			For Galvanized, Add	0.12	
			For Work In Restricted Working Space, Add	0.24	
23 05 29 00-0612	EA		7/8" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer .....1.48	0.44	
			For Galvanized, Add	0.14	
			For Work In Restricted Working Space, Add	0.28	
23 05 29 00-0613	EA		1" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer .....1.72	0.44	
			For Galvanized, Add	0.17	
			For Work In Restricted Working Space, Add	0.31	
23 05 29 00-0614	EA		1-1/8" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer .....1.94	0.55	
			For Galvanized, Add	0.19	
			For Work In Restricted Working Space, Add	0.35	
23 05 29 00-0615			Hex Nuts (23 05 29 00-0590) Note: Grade 2 and zinc plated.		
23 05 29 00-0616	EA		3/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut .....0.69	0.28	
			For Galvanized, Add	0.02	
			For Work In Restricted Working Space, Add	0.19	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0617 EA 1/2" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut <i>For Galvanized, Add</i> <i>For Work In Restricted Working Space, Add</i>	0.83 0.04 0.21	0.28
23 05 29 00-0618 EA 5/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut <i>For Galvanized, Add</i> <i>For Work In Restricted Working Space, Add</i>	1.06 0.08 0.22	0.28
23 05 29 00-0619 EA 3/4" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut <i>For Galvanized, Add</i> <i>For Work In Restricted Working Space, Add</i>	1.21 0.11 0.23	0.55
23 05 29 00-0620 EA 7/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut <i>For Galvanized, Add</i> <i>For Work In Restricted Working Space, Add</i>	1.64 0.21 0.25	0.55
23 05 29 00-0621 EA 1" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut <i>For Galvanized, Add</i> <i>For Work In Restricted Working Space, Add</i>	2.04 0.28 0.28	0.55
23 05 29 00-0622 EA 1-1/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut <i>For Galvanized, Add</i> <i>For Work In Restricted Working Space, Add</i>	3.16 0.53 0.31	0.55
23 05 29 00-0623 Turnbuckle (Cooper B-Line B3202) (23 05 29 00-0590) Note: Type 13.		
23 05 29 00-0624 EA 3/8" Turnbuckle (Cooper B-Line B3202) <i>For Work In Restricted Working Space, Add</i>	24.48 3.34	5.57
23 05 29 00-0625 EA 1/2" Turnbuckle (Cooper B-Line B3202) <i>For Work In Restricted Working Space, Add</i>	28.97 3.71	6.13
23 05 29 00-0626 EA 5/8" Turnbuckle (Cooper B-Line B3202) <i>For Work In Restricted Working Space, Add</i>	31.28 4.18	6.68
23 05 29 00-0627 EA 3/4" Turnbuckle (Cooper B-Line B3202) <i>For Work In Restricted Working Space, Add</i>	39.15 4.78	7.80
23 05 29 00-0628 EA 7/8" Turnbuckle (Cooper B-Line B3202) <i>For Work In Restricted Working Space, Add</i>	50.42 5.57	8.36
23 05 29 00-0629 EA 1" Turnbuckle (Cooper B-Line B3202) <i>For Work In Restricted Working Space, Add</i>	62.50 6.69	8.92
23 05 29 00-0630 EA 1-1/8" Turnbuckle (Cooper B-Line B3202) <i>For Work In Restricted Working Space, Add</i>	86.30 8.36	10.03
23 05 29 00-0631 Swivel Turnbuckle (Cooper B-Line B3224) (23 05 29 00-0590) Note: Type 15.		
23 05 29 00-0632 EA 3/8" Swivel Turnbuckle (Cooper B-Line B3224) <i>For Work In Restricted Working Space, Add</i>	16.05 3.34	5.57
23 05 29 00-0633 EA 1/2" Swivel Turnbuckle (Cooper B-Line B3224) <i>For Work In Restricted Working Space, Add</i>	18.51 3.71	6.24
23 05 29 00-0634 EA 5/8" Swivel Turnbuckle (Cooper B-Line B3224) <i>For Work In Restricted Working Space, Add</i>	24.21 4.18	6.91
23 05 29 00-0635 EA 3/4" Swivel Turnbuckle (Cooper B-Line B3224) <i>For Work In Restricted Working Space, Add</i>	29.14 4.78	7.91
23 05 29 00-0636 Forged Steel Clevis (Cooper B-Line B3201) (23 05 29 00-0590) Note: Type 14.		
23 05 29 00-0637 EA 3-9/16" Forged Steel Clevis With Pin, 3/8" To 5/8" Rod Size (Cooper B-Line B3201) <i>For Work In Restricted Working Space, Add</i>	79.41 6.15	10.25
23 05 29 00-0638 EA 4" Forged Steel Clevis With Pin, 3/4" To 7/8" Rod Size (Cooper B-Line B3201) <i>For Work In Restricted Working Space, Add</i>	116.00 6.48	10.77
23 05 29 00-0639 EA 5-1/16" Forged Steel Clevis With Pin, 1" Rod Size (Cooper B-Line B3201) <i>For Work In Restricted Working Space, Add</i>	125.39 6.84	11.28
23 05 29 00-0640 EA 5-1/16" Forged Steel Clevis With Pin, 1-1/8" Rod Size (Cooper B-Line B3201) <i>For Work In Restricted Working Space, Add</i>	130.63 7.24	12.30
23 05 29 00-0641 EA 5-1/16" Forged Steel Clevis With Pin, 1-1/4" Rod Size (Cooper B-Line B3201) <i>For Work In Restricted Working Space, Add</i>	137.74 8.21	13.84
23 05 29 00-0642 EA 6" Forged Steel Clevis With Pin, 1-1/2" Rod Size (Cooper B-Line B3201) <i>For Work In Restricted Working Space, Add</i>	228.26 10.77	17.94
23 05 29 00-0643 EA 5-15/16" Forged Steel Clevis With Pin, 1-3/4" Rod Size (Cooper B-Line B3201) <i>For Work In Restricted Working Space, Add</i>	248.01 12.31	20.51
23 05 29 00-0644 EA 7" Forged Steel Clevis With Pin, 2" Rod Size (Cooper B-Line B3201) <i>For Work In Restricted Working Space, Add</i>	292.76 15.38	25.65
23 05 29 00-0645 Welded Eye Rod (Cooper B-Line B3211) (23 05 29 00-0590)		
23 05 29 00-0646 EA 3/8" Diameter x 8" Length Shank, Welded Eye Rod <i>For Work In Restricted Working Space, Add</i>	24.48 3.62	6.02
23 05 29 00-0647 EA 3/8" Diameter x 10" Length Shank, Welded Eye Rod <i>For Work In Restricted Working Space, Add</i>	25.25 3.69	6.13
23 05 29 00-0648 EA 3/8" Diameter x 12" Length Shank, Welded Eye Rod <i>For Work In Restricted Working Space, Add</i>	26.01 3.76	6.24
23 05 29 00-0649 EA 3/8" Diameter x 14" Length Shank, Welded Eye Rod <i>For Work In Restricted Working Space, Add</i>	26.25 3.83	6.35
23 05 29 00-0650 EA 3/8" Diameter x 18" Length Shank, Welded Eye Rod <i>For Work In Restricted Working Space, Add</i>	27.78 3.97	6.57
23 05 29 00-0651 EA 3/8" Diameter x 24" Length Shank, Welded Eye Rod <i>For Work In Restricted Working Space, Add</i>	29.57 4.18	7.02

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 05 Common Work Results For HVAC****23 05 29 Hangers And Supports For HVAC Piping And Equipment**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0652	EA		3/8" Diameter x 30" Length Shank, Welded Eye Rod <i>For Work In Restricted Working Space, Add</i>	30.80 4.39	7.36
23 05 29 00-0653	EA		3/8" Diameter x 36" Length Shank, Welded Eye Rod <i>For Work In Restricted Working Space, Add</i>	33.13 4.60	7.69
23 05 29 00-0654	EA		3/8" Diameter x 42" Length Shank, Welded Eye Rod <i>For Work In Restricted Working Space, Add</i>	34.89 4.81	8.02
23 05 29 00-0655	EA		3/8" Diameter x 48" Length Shank, Welded Eye Rod <i>For Work In Restricted Working Space, Add</i>	36.66 5.01	8.36
23 05 29 00-0656	EA		1/2" Diameter x 8" Length Shank, Welded Eye Rod <i>For Work In Restricted Working Space, Add</i>	32.23 4.01	6.68
23 05 29 00-0657	EA		1/2" Diameter x 10" Length Shank, Welded Eye Rod <i>For Work In Restricted Working Space, Add</i>	33.00 4.08	6.80
23 05 29 00-0658	EA		1/2" Diameter x 12" Length Shank, Welded Eye Rod <i>For Work In Restricted Working Space, Add</i>	33.80 4.16	6.91
23 05 29 00-0659	EA		1/2" Diameter x 14" Length Shank, Welded Eye Rod <i>For Work In Restricted Working Space, Add</i>	34.59 4.23	7.03
23 05 29 00-0660	EA		1/2" Diameter x 18" Length Shank, Welded Eye Rod <i>For Work In Restricted Working Space, Add</i>	36.17 4.38	7.25
23 05 29 00-0661	EA		1/2" Diameter x 24" Length Shank, Welded Eye Rod <i>For Work In Restricted Working Space, Add</i>	39.05 4.60	7.69
23 05 29 00-0662	EA		1/2" Diameter x 30" Length Shank, Welded Eye Rod <i>For Work In Restricted Working Space, Add</i>	41.42 4.82	8.02
23 05 29 00-0663	EA		1/2" Diameter x 36" Length Shank, Welded Eye Rod <i>For Work In Restricted Working Space, Add</i>	44.31 5.05	8.36
23 05 29 00-0664	EA		1/2" Diameter x 42" Length Shank, Welded Eye Rod <i>For Work In Restricted Working Space, Add</i>	46.66 5.27	8.81
23 05 29 00-0665	EA		1/2" Diameter x 48" Length Shank, Welded Eye Rod <i>For Work In Restricted Working Space, Add</i>	49.03 5.49	9.14
23 05 29 00-0666	EA		5/8" Diameter x 8" Length Shank, Welded Eye Rod <i>For Work In Restricted Working Space, Add</i>	42.99 4.49	7.47
23 05 29 00-0667	EA		5/8" Diameter x 10" Length Shank, Welded Eye Rod <i>For Work In Restricted Working Space, Add</i>	44.31 4.57	7.58
23 05 29 00-0668	EA		5/8" Diameter x 12" Length Shank, Welded Eye Rod <i>For Work In Restricted Working Space, Add</i>	45.65 4.64	7.69
23 05 29 00-0669	EA		5/8" Diameter x 14" Length Shank, Welded Eye Rod <i>For Work In Restricted Working Space, Add</i>	46.45 4.72	7.91
23 05 29 00-0670	EA		5/8" Diameter x 18" Length Shank, Welded Eye Rod <i>For Work In Restricted Working Space, Add</i>	48.58 4.87	8.13
23 05 29 00-0671	EA		5/8" Diameter x 24" Length Shank, Welded Eye Rod <i>For Work In Restricted Working Space, Add</i>	52.05 5.10	8.47
23 05 29 00-0672	EA		5/8" Diameter x 30" Length Shank, Welded Eye Rod <i>For Work In Restricted Working Space, Add</i>	55.50 5.33	8.92
23 05 29 00-0673	EA		5/8" Diameter x 36" Length Shank, Welded Eye Rod <i>For Work In Restricted Working Space, Add</i>	58.43 5.57	9.25
23 05 29 00-0674	EA		5/8" Diameter x 42" Length Shank, Welded Eye Rod <i>For Work In Restricted Working Space, Add</i>	61.89 5.80	9.70
23 05 29 00-0675	EA		5/8" Diameter x 48" Length Shank, Welded Eye Rod <i>For Work In Restricted Working Space, Add</i>	65.34 6.02	10.03
23 05 29 00-0676	EA		3/4" Diameter x 8" Length Shank, Welded Eye Rod <i>For Work In Restricted Working Space, Add</i>	52.56 5.10	8.47
23 05 29 00-0677	EA		3/4" Diameter x 10" Length Shank, Welded Eye Rod <i>For Work In Restricted Working Space, Add</i>	54.44 5.18	8.58
23 05 29 00-0678	EA		3/4" Diameter x 12" Length Shank, Welded Eye Rod <i>For Work In Restricted Working Space, Add</i>	55.78 5.26	8.81
23 05 29 00-0679	EA		3/4" Diameter x 14" Length Shank, Welded Eye Rod <i>For Work In Restricted Working Space, Add</i>	57.67 5.34	8.92
23 05 29 00-0680	EA		3/4" Diameter x 18" Length Shank, Welded Eye Rod <i>For Work In Restricted Working Space, Add</i>	60.89 5.50	9.14
23 05 29 00-0681	EA		3/4" Diameter x 24" Length Shank, Welded Eye Rod <i>For Work In Restricted Working Space, Add</i>	65.44 5.73	9.59
23 05 29 00-0682	EA		3/4" Diameter x 30" Length Shank, Welded Eye Rod <i>For Work In Restricted Working Space, Add</i>	70.00 5.97	9.92
23 05 29 00-0683	EA		3/4" Diameter x 36" Length Shank, Welded Eye Rod <i>For Work In Restricted Working Space, Add</i>	75.11 6.21	10.36
23 05 29 00-0684	EA		3/4" Diameter x 42" Length Shank, Welded Eye Rod <i>For Work In Restricted Working Space, Add</i>	80.20 6.44	10.70
23 05 29 00-0685	EA		3/4" Diameter x 48" Length Shank, Welded Eye Rod <i>For Work In Restricted Working Space, Add</i>	84.77 6.68	11.15
23 05 29 00-0686	EA		7/8" Diameter x 8" Length Shank, Welded Eye Rod <i>For Work In Restricted Working Space, Add</i>	62.82 5.92	9.81
23 05 29 00-0687	EA		7/8" Diameter x 10" Length Shank, Welded Eye Rod <i>For Work In Restricted Working Space, Add</i>	65.24 5.99	10.03
23 05 29 00-0688	EA		7/8" Diameter x 12" Length Shank, Welded Eye Rod <i>For Work In Restricted Working Space, Add</i>	67.15 6.08	10.14
23 05 29 00-0689	EA		7/8" Diameter x 14" Length Shank, Welded Eye Rod <i>For Work In Restricted Working Space, Add</i>	69.04 6.17	10.25
23 05 29 00-0690	EA		7/8" Diameter x 18" Length Shank, Welded Eye Rod <i>For Work In Restricted Working Space, Add</i>	72.83 6.33	10.59
23 05 29 00-0691	EA		7/8" Diameter x 24" Length Shank, Welded Eye Rod <i>For Work In Restricted Working Space, Add</i>	79.03 6.57	10.93
23 05 29 00-0692	EA		7/8" Diameter x 30" Length Shank, Welded Eye Rod <i>For Work In Restricted Working Space, Add</i>	84.70 6.82	11.37
23 05 29 00-0693	EA		7/8" Diameter x 36" Length Shank, Welded Eye Rod <i>For Work In Restricted Working Space, Add</i>	90.91 7.07	11.81



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0694 EA 7/8" Diameter x 42" Length Shank, Welded Eye Rod.....	96.59	12.15
<i>For Work In Restricted Working Space, Add</i>	7.32	
23 05 29 00-0695 EA 7/8" Diameter x 48" Length Shank, Welded Eye Rod.....	102.26	12.60
<i>For Work In Restricted Working Space, Add</i>	7.56	
23 05 29 00-0696 EA 1" Diameter x 8" Length Shank, Welded Eye Rod.....	78.49	11.81
<i>For Work In Restricted Working Space, Add</i>	7.06	
23 05 29 00-0697 EA 1" Diameter x 10" Length Shank, Welded Eye Rod.....	80.96	11.92
<i>For Work In Restricted Working Space, Add</i>	7.15	
23 05 29 00-0698 EA 1" Diameter x 12" Length Shank, Welded Eye Rod.....	83.43	12.04
<i>For Work In Restricted Working Space, Add</i>	7.25	
23 05 29 00-0699 EA 1" Diameter x 14" Length Shank, Welded Eye Rod.....	85.89	12.26
<i>For Work In Restricted Working Space, Add</i>	7.34	
23 05 29 00-0700 EA 1" Diameter x 18" Length Shank, Welded Eye Rod.....	90.80	12.60
<i>For Work In Restricted Working Space, Add</i>	7.52	
23 05 29 00-0701 EA 1" Diameter x 24" Length Shank, Welded Eye Rod.....	98.21	13.04
<i>For Work In Restricted Working Space, Add</i>	7.80	
23 05 29 00-0702 EA 1" Diameter x 30" Length Shank, Welded Eye Rod.....	105.62	13.49
<i>For Work In Restricted Working Space, Add</i>	8.08	
23 05 29 00-0703 EA 1" Diameter x 36" Length Shank, Welded Eye Rod.....	113.52	13.93
<i>For Work In Restricted Working Space, Add</i>	8.36	
23 05 29 00-0704 EA 1" Diameter x 42" Length Shank, Welded Eye Rod.....	120.91	14.37
<i>For Work In Restricted Working Space, Add</i>	8.64	
23 05 29 00-0705 EA 1" Diameter x 48" Length Shank, Welded Eye Rod.....	128.32	14.83
<i>For Work In Restricted Working Space, Add</i>	8.92	
23 05 29 00-0706 Welded Linked Eye Rod (Cooper B-Line B3211X) (23 05 29 00-0590)		
23 05 29 00-0707 EA 3/8" Diameter x 16" Length Shank, Linked Welded Eye Rod.....	49.72	8.13
<i>For Work In Restricted Working Space, Add</i>	4.91	
23 05 29 00-0708 EA 3/8" Diameter x 20" Length Shank, Linked Welded Eye Rod.....	51.06	8.36
<i>For Work In Restricted Working Space, Add</i>	5.04	
23 05 29 00-0709 EA 3/8" Diameter x 24" Length Shank, Linked Welded Eye Rod.....	52.42	8.69
<i>For Work In Restricted Working Space, Add</i>	5.18	
23 05 29 00-0710 EA 3/8" Diameter x 30" Length Shank, Linked Welded Eye Rod.....	53.13	9.02
<i>For Work In Restricted Working Space, Add</i>	5.39	
23 05 29 00-0711 EA 3/8" Diameter x 36" Length Shank, Linked Welded Eye Rod.....	55.59	9.36
<i>For Work In Restricted Working Space, Add</i>	5.60	
23 05 29 00-0712 EA 3/8" Diameter x 48" Length Shank, Linked Welded Eye Rod.....	58.82	10.03
<i>For Work In Restricted Working Space, Add</i>	6.02	
23 05 29 00-0713 EA 3/8" Diameter x 60" Length Shank, Linked Welded Eye Rod.....	61.09	10.69
<i>For Work In Restricted Working Space, Add</i>	6.44	
23 05 29 00-0714 EA 3/8" Diameter x 72" Length Shank, Linked Welded Eye Rod.....	65.19	11.48
<i>For Work In Restricted Working Space, Add</i>	6.85	
23 05 29 00-0715 EA 1/2" Diameter x 16" Length Shank, Linked Welded Eye Rod.....	63.75	9.03
<i>For Work In Restricted Working Space, Add</i>	5.42	
23 05 29 00-0716 EA 1/2" Diameter x 20" Length Shank, Linked Welded Eye Rod.....	65.14	9.25
<i>For Work In Restricted Working Space, Add</i>	5.57	
23 05 29 00-0717 EA 1/2" Diameter x 24" Length Shank, Linked Welded Eye Rod.....	66.56	9.48
<i>For Work In Restricted Working Space, Add</i>	5.72	
23 05 29 00-0718 EA 1/2" Diameter x 30" Length Shank, Linked Welded Eye Rod.....	68.19	9.92
<i>For Work In Restricted Working Space, Add</i>	5.94	
23 05 29 00-0719 EA 1/2" Diameter x 36" Length Shank, Linked Welded Eye Rod.....	70.71	10.25
<i>For Work In Restricted Working Space, Add</i>	6.16	
23 05 29 00-0720 EA 1/2" Diameter x 48" Length Shank, Linked Welded Eye Rod.....	75.79	11.04
<i>For Work In Restricted Working Space, Add</i>	6.60	
23 05 29 00-0721 EA 1/2" Diameter x 60" Length Shank, Linked Welded Eye Rod.....	79.97	11.70
<i>For Work In Restricted Working Space, Add</i>	7.05	
23 05 29 00-0722 EA 1/2" Diameter x 72" Length Shank, Linked Welded Eye Rod.....	85.06	12.48
<i>For Work In Restricted Working Space, Add</i>	7.49	
23 05 29 00-0723 EA 5/8" Diameter x 16" Length Shank, Linked Welded Eye Rod.....	84.69	10.03
<i>For Work In Restricted Working Space, Add</i>	6.05	
23 05 29 00-0724 EA 5/8" Diameter x 20" Length Shank, Linked Welded Eye Rod.....	86.97	10.36
<i>For Work In Restricted Working Space, Add</i>	6.20	
23 05 29 00-0725 EA 5/8" Diameter x 24" Length Shank, Linked Welded Eye Rod.....	89.29	10.59
<i>For Work In Restricted Working Space, Add</i>	6.36	
23 05 29 00-0726 EA 5/8" Diameter x 30" Length Shank, Linked Welded Eye Rod.....	90.96	11.04
<i>For Work In Restricted Working Space, Add</i>	6.59	
23 05 29 00-0727 EA 5/8" Diameter x 36" Length Shank, Linked Welded Eye Rod.....	94.43	11.37
<i>For Work In Restricted Working Space, Add</i>	6.82	
23 05 29 00-0728 EA 5/8" Diameter x 48" Length Shank, Linked Welded Eye Rod.....	100.46	12.15
<i>For Work In Restricted Working Space, Add</i>	7.28	
23 05 29 00-0729 EA 5/8" Diameter x 60" Length Shank, Linked Welded Eye Rod.....	106.47	12.93
<i>For Work In Restricted Working Space, Add</i>	7.74	
23 05 29 00-0730 EA 5/8" Diameter x 72" Length Shank, Linked Welded Eye Rod.....	111.60	13.71
<i>For Work In Restricted Working Space, Add</i>	8.20	
23 05 29 00-0731 EA 3/4" Diameter x 16" Length Shank, Linked Welded Eye Rod.....	106.64	11.37
<i>For Work In Restricted Working Space, Add</i>	6.85	
23 05 29 00-0732 EA 3/4" Diameter x 20" Length Shank, Linked Welded Eye Rod.....	109.89	11.70
<i>For Work In Restricted Working Space, Add</i>	7.01	
23 05 29 00-0733 EA 3/4" Diameter x 24" Length Shank, Linked Welded Eye Rod.....	112.19	11.92
<i>For Work In Restricted Working Space, Add</i>	7.16	
23 05 29 00-0734 EA 3/4" Diameter x 30" Length Shank, Linked Welded Eye Rod.....	115.68	12.37
<i>For Work In Restricted Working Space, Add</i>	7.40	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 05 Common Work Results For HVAC****23 05 29 Hangers And Supports For HVAC Piping And Equipment**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0735 EA 3/4" Diameter x 36" Length Shank, Linked Welded Eye Rod.....	120.96	12.71
For Work In Restricted Working Space, Add	7.64	
23 05 29 00-0736 EA 3/4" Diameter x 48" Length Shank, Linked Welded Eye Rod.....	128.81	13.49
For Work In Restricted Working Space, Add	8.12	
23 05 29 00-0737 EA 3/4" Diameter x 60" Length Shank, Linked Welded Eye Rod.....	136.69	14.26
For Work In Restricted Working Space, Add	8.59	
23 05 29 00-0738 EA 3/4" Diameter x 72" Length Shank, Linked Welded Eye Rod.....	145.47	15.16
For Work In Restricted Working Space, Add	9.07	
23 05 29 00-0739 EA 7/8" Diameter x 16" Length Shank, Linked Welded Eye Rod.....	127.93	13.15
For Work In Restricted Working Space, Add	7.92	
23 05 29 00-0740 EA 7/8" Diameter x 20" Length Shank, Linked Welded Eye Rod.....	132.07	13.49
For Work In Restricted Working Space, Add	8.09	
23 05 29 00-0741 EA 7/8" Diameter x 24" Length Shank, Linked Welded Eye Rod.....	135.32	13.71
For Work In Restricted Working Space, Add	8.25	
23 05 29 00-0742 EA 7/8" Diameter x 30" Length Shank, Linked Welded Eye Rod.....	138.84	14.15
For Work In Restricted Working Space, Add	8.50	
23 05 29 00-0743 EA 7/8" Diameter x 36" Length Shank, Linked Welded Eye Rod.....	145.07	14.61
For Work In Restricted Working Space, Add	8.75	
23 05 29 00-0744 EA 7/8" Diameter x 48" Length Shank, Linked Welded Eye Rod.....	155.68	15.38
For Work In Restricted Working Space, Add	9.24	
23 05 29 00-0745 EA 7/8" Diameter x 60" Length Shank, Linked Welded Eye Rod.....	165.41	16.27
For Work In Restricted Working Space, Add	9.74	
23 05 29 00-0746 EA 7/8" Diameter x 72" Length Shank, Linked Welded Eye Rod.....	176.03	17.06
For Work In Restricted Working Space, Add	10.23	
23 05 29 00-0747 EA 1" Diameter x 16" Length Shank, Linked Welded Eye Rod.....	162.59	15.71
For Work In Restricted Working Space, Add	9.44	
23 05 29 00-0748 EA 1" Diameter x 20" Length Shank, Linked Welded Eye Rod.....	166.81	16.05
For Work In Restricted Working Space, Add	9.62	
23 05 29 00-0749 EA 1" Diameter x 24" Length Shank, Linked Welded Eye Rod.....	171.02	16.39
For Work In Restricted Working Space, Add	9.81	
23 05 29 00-0750 EA 1" Diameter x 30" Length Shank, Linked Welded Eye Rod.....	175.56	16.83
For Work In Restricted Working Space, Add	10.09	
23 05 29 00-0751 EA 1" Diameter x 36" Length Shank, Linked Welded Eye Rod.....	183.63	17.28
For Work In Restricted Working Space, Add	10.37	
23 05 29 00-0752 EA 1" Diameter x 48" Length Shank, Linked Welded Eye Rod.....	196.29	18.16
For Work In Restricted Working Space, Add	10.93	
23 05 29 00-0753 EA 1" Diameter x 60" Length Shank, Linked Welded Eye Rod.....	208.95	19.17
For Work In Restricted Working Space, Add	11.48	
23 05 29 00-0754 EA 1" Diameter x 72" Length Shank, Linked Welded Eye Rod.....	222.42	20.06
For Work In Restricted Working Space, Add	12.04	
23 05 29 00-0755 Attachments (23 05 29 00-0589)		
23 05 29 00-0756 Welded Beam Attachments (B-Line B-3083) (23 05 29 00-0755)		
Note: Type 22.		
23 05 29 00-0757 EA 3/8" Rod Size, Welded Beam Attachment With Pin (B-Line B-3083).....	39.24	10.36
For Work In Restricted Working Space, Add	6.22	
23 05 29 00-0758 EA 1/2" Rod Size, Welded Beam Attachment With Pin (B-Line B-3083).....	41.79	10.88
For Work In Restricted Working Space, Add	6.55	
23 05 29 00-0759 EA 5/8" Rod Size, Welded Beam Attachment With Pin (B-Line B-3083).....	44.44	11.50
For Work In Restricted Working Space, Add	6.91	
23 05 29 00-0760 EA 3/4" Rod Size, Welded Beam Attachment With Pin (B-Line B-3083).....	55.41	12.23
For Work In Restricted Working Space, Add	7.32	
23 05 29 00-0761 EA 7/8" Rod Size, Welded Beam Attachment With Pin (B-Line B-3083).....	65.61	12.95
For Work In Restricted Working Space, Add	7.78	
23 05 29 00-0762 EA 1" Rod Size, Welded Beam Attachment With Pin (B-Line B-3083).....	90.21	14.82
For Work In Restricted Working Space, Add	8.89	
23 05 29 00-0763 EA 1-1/8" Rod Size, Welded Beam Attachment With Pin (B-Line B-3083).....	124.92	15.54
For Work In Restricted Working Space, Add	9.33	
23 05 29 00-0764 C-Clamp Style Beam Clamps (B-Line B-3034) (23 05 29 00-0755)		
Note: Type 23. Top or bottom flange mount.		
23 05 29 00-0765 EA 3/8" Rod Size, C-Clamp Style Beam Clamp (B-Line B-3034).....	16.20	5.69
For Work In Restricted Working Space, Add	4.18	
23 05 29 00-0766 EA 1/2" Rod Size, C-Clamp Style Beam Clamp (B-Line B-3034).....	18.78	7.25
For Work In Restricted Working Space, Add	4.46	
23 05 29 00-0767 EA 5/8" Rod Size, C-Clamp Style Beam Clamp (B-Line B-3034).....	21.02	7.80
For Work In Restricted Working Space, Add	4.78	
23 05 29 00-0768 EA 3/4" Rod Size, C-Clamp Style Beam Clamp (B-Line B-3034).....	26.00	8.36
For Work In Restricted Working Space, Add	5.15	
23 05 29 00-0769 EA 7/8" Rod Size, C-Clamp Style Beam Clamp (B-Line B-3034).....	35.77	8.92
For Work In Restricted Working Space, Add	5.57	
23 05 29 00-0770 Bottom Mount I-Beam Clamps (B-Line B-3055) (23 05 29 00-0755)		
Note: Type 21. For attaching threaded rod centered under beam flanges.		
23 05 29 00-0771 EA 3/8" Rod Size, Up To 6" Flange Width, Bottom Mount I-Beam Clamp (B-Line B-3055).....	38.46	7.80
For Work In Restricted Working Space, Add	5.57	
23 05 29 00-0772 EA 1/2" Rod Size, Up To 6" Flange Width, Bottom Mount I-Beam Clamp (B-Line B-3055).....	54.35	10.03
For Work In Restricted Working Space, Add	6.08	
23 05 29 00-0773 EA 5/8" Rod Size, Up To 6" Flange Width, Bottom Mount I-Beam Clamp (B-Line B-3055).....	75.58	11.15
For Work In Restricted Working Space, Add	6.69	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0774 EA 3/4" Rod Size, Up To 6" Flange Width, Bottom Mount I-Beam Clamp (B-Line B-3055)..... <i>For Work In Restricted Working Space, Add</i>	89.87 7.43	12.26
23 05 29 00-0775 EA 1" Rod Size, Up To 6" Flange Width, Bottom Mount I-Beam Clamp (B-Line B-3055)..... <i>For Work In Restricted Working Space, Add</i>	207.61 8.36	13.38
23 05 29 00-0776 Steel U-Bolts (B-Line B-3188) (23 05 29 00-0755) Note: Type 24. Includes plate and nuts.		
23 05 29 00-0777 EA 1/2" Pipe Size, Steel U-Bolt (B-Line B-3188)..... <i>For Work In Restricted Working Space, Add</i>	13.13 3.34	2.78
23 05 29 00-0778 EA 3/4" Pipe Size, Steel U-Bolt (B-Line B-3188)..... <i>For Work In Restricted Working Space, Add</i>	14.14 3.52	3.35
23 05 29 00-0779 EA 1" Pipe Size, Steel U-Bolt (B-Line B-3188)..... <i>For Work In Restricted Working Space, Add</i>	15.14 3.71	3.35
23 05 29 00-0780 EA 1-1/4" Pipe Size, Steel U-Bolt (B-Line B-3188)..... <i>For Work In Restricted Working Space, Add</i>	16.92 3.93	3.35
23 05 29 00-0781 EA 1-1/2" Pipe Size, Steel U-Bolt (B-Line B-3188)..... <i>For Work In Restricted Working Space, Add</i>	17.59 4.18	3.90
23 05 29 00-0782 EA 2" Pipe Size, Steel U-Bolt (B-Line B-3188)..... <i>For Work In Restricted Working Space, Add</i>	18.80 4.46	3.90
23 05 29 00-0783 EA 2-1/2" Pipe Size, Steel U-Bolt (B-Line B-3188)..... <i>For Work In Restricted Working Space, Add</i>	25.39 4.78	3.90
23 05 29 00-0784 EA 3" Pipe Size, Steel U-Bolt (B-Line B-3188)..... <i>For Work In Restricted Working Space, Add</i>	27.86 5.14	4.46
23 05 29 00-0785 EA 4" Pipe Size, Steel U-Bolt (B-Line B-3188)..... <i>For Work In Restricted Working Space, Add</i>	33.00 5.57	5.01
23 05 29 00-0786 Copper Standoff Brackets With Flange (23 05 29 00-0755) Note: Installed in wood, concrete, concrete block or steel.		
23 05 29 00-0787 EA Clamp Size 1/2", Copper Standoff Brackets With Flange..... <i>For Work In Restricted Working Space, Add</i>	33.38 9.56	15.94
23 05 29 00-0788 EA Clamp Size 3/4", Copper Standoff Brackets With Flange..... <i>For Work In Restricted Working Space, Add</i>	33.47 9.56	15.94
23 05 29 00-0789 EA Clamp Size 1", Copper Standoff Brackets With Flange..... <i>For Work In Restricted Working Space, Add</i>	33.56 9.56	15.94
23 05 29 00-0790 EA Clamp Size 1 1/4", Copper Standoff Brackets With Flange..... <i>For Work In Restricted Working Space, Add</i>	35.68 10.13	16.94
23 05 29 00-0791 EA Clamp Size 1 1/2", Copper Standoff Brackets With Flange..... <i>For Work In Restricted Working Space, Add</i>	35.87 10.13	16.94
23 05 29 00-0792 Malleable Iron Eye Sockets (B-Line B-3222) (23 05 29 00-0755) Note: Type 16.		
23 05 29 00-0793 EA 3/8" Rod Size, Malleable Iron Eye Socket..... <i>For Work In Restricted Working Space, Add</i>	8.39 1.01	1.67
23 05 29 00-0794 EA 1/2" Rod Size, Malleable Iron Eye Socket..... <i>For Work In Restricted Working Space, Add</i>	10.75 1.34	2.23
23 05 29 00-0795 EA 5/8" Rod Size, Malleable Iron Eye Socket..... <i>For Work In Restricted Working Space, Add</i>	17.41 1.35	2.23
23 05 29 00-0796 EA 3/4" Rod Size, Malleable Iron Eye Socket..... <i>For Work In Restricted Working Space, Add</i>	23.93 1.34	2.23
23 05 29 00-0797 EA 7/8" Rod Size, Malleable Iron Eye Socket..... <i>For Work In Restricted Working Space, Add</i>	26.08 1.67	2.78
23 05 29 00-0798 Steel Weldless Eye Nuts (B-Line B-3200) (23 05 29 00-0755) Note: Type 17.		
23 05 29 00-0799 EA 3/8" Rod Size, Steel Weldless Eye Nut..... <i>For Work In Restricted Working Space, Add</i>	24.79 1.01	1.67
23 05 29 00-0800 EA 1/2" Rod Size, Steel Weldless Eye Nut..... <i>For Work In Restricted Working Space, Add</i>	25.87 1.34	2.23
23 05 29 00-0801 EA 5/8" Rod Size, Steel Weldless Eye Nut..... <i>For Work In Restricted Working Space, Add</i>	25.91 1.35	2.23
23 05 29 00-0802 EA 3/4" Rod Size, Steel Weldless Eye Nut..... <i>For Work In Restricted Working Space, Add</i>	25.87 1.34	2.23
23 05 29 00-0803 EA 7/8" Rod Size, Steel Weldless Eye Nut..... <i>For Work In Restricted Working Space, Add</i>	49.21 1.51	2.45
23 05 29 00-0804 EA 1" Rod Size, Steel Weldless Eye Nut..... <i>For Work In Restricted Working Space, Add</i>	49.76 1.67	2.78
23 05 29 00-0805 Top Mount I-Beam Clamps (B-Line B-3042) (23 05 29 00-0755) Note: For attaching threaded rod to either side of an I-beam.		
23 05 29 00-0806 EA 3/8" Rod Size, Up To 6" Flange Width, Top Mount I-Beam Clamp..... <i>For Work In Restricted Working Space, Add</i>	19.45 3.11	5.18
23 05 29 00-0807 EA 1/2" Rod Size, Up To 6" Flange Width, Top Mount I-Beam Clamp..... <i>For Work In Restricted Working Space, Add</i>	23.07 3.43	5.70
23 05 29 00-0808 EA 5/8" Rod Size, Up To 6" Flange Width, Top Mount I-Beam Clamp..... <i>For Work In Restricted Working Space, Add</i>	27.53 3.77	6.22
23 05 29 00-0809 EA 3/4" Rod Size, Up To 6" Flange Width, Top Mount I-Beam Clamp..... <i>For Work In Restricted Working Space, Add</i>	36.50 3.96	6.74
23 05 29 00-0810 EA 7/8" Rod Size, Up To 6" Flange Width, Top Mount I-Beam Clamp..... <i>For Work In Restricted Working Space, Add</i>	54.46 4.66	7.77

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 05 Common Work Results For HVAC****23 05 29 Hangers And Supports For HVAC Piping And Equipment**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0811	EA		3/8" Rod Size, >6" To 8" Flange Width, Top Mount I-Beam Clamp <i>For Work In Restricted Working Space, Add</i>	20.30 3.11	5.18
23 05 29 00-0812	EA		1/2" Rod Size, >6" To 8" Flange Width, Top Mount I-Beam Clamp <i>For Work In Restricted Working Space, Add</i>	24.26 3.43	5.70
23 05 29 00-0813	EA		5/8" Rod Size, >6" To 8" Flange Width, Top Mount I-Beam Clamp <i>For Work In Restricted Working Space, Add</i>	27.53 3.77	6.22
23 05 29 00-0814	EA		3/4" Rod Size, >6" To 8" Flange Width, Top Mount I-Beam Clamp <i>For Work In Restricted Working Space, Add</i>	39.63 3.96	6.74
23 05 29 00-0815	EA		7/8" Rod Size, >6" To 8" Flange Width, Top Mount I-Beam Clamp <i>For Work In Restricted Working Space, Add</i>	59.82 4.66	7.77
23 05 29 00-0816	EA		3/8" Rod Size, >8" To 12" Flange Width, Top Mount I-Beam Clamp <i>For Work In Restricted Working Space, Add</i>	22.26 3.11	5.18
23 05 29 00-0817	EA		1/2" Rod Size, >8" To 12" Flange Width, Top Mount I-Beam Clamp <i>For Work In Restricted Working Space, Add</i>	26.47 3.43	5.70
23 05 29 00-0818	EA		5/8" Rod Size, >8" To 12" Flange Width, Top Mount I-Beam Clamp <i>For Work In Restricted Working Space, Add</i>	32.70 3.77	6.22
23 05 29 00-0819	EA		3/4" Rod Size, >8" To 12" Flange Width, Top Mount I-Beam Clamp <i>For Work In Restricted Working Space, Add</i>	45.50 3.96	6.74
23 05 29 00-0820	EA		7/8" Rod Size, >8" To 12" Flange Width, Top Mount I-Beam Clamp <i>For Work In Restricted Working Space, Add</i>	71.29 4.66	7.77
23 05 29 00-0821			Side Beam Brackets (B-Line B-3062) (23 05 29 00-0755) Note: Type 34.		
23 05 29 00-0822	EA		3/8" Rod Size, Side Beam Bracket <i>For Work In Restricted Working Space, Add</i>	17.59 4.18	7.25
23 05 29 00-0823	EA		1/2" Rod Size, Side Beam Bracket <i>For Work In Restricted Working Space, Add</i>	20.29 4.46	7.25
23 05 29 00-0824	EA		5/8" Rod Size, Side Beam Bracket <i>For Work In Restricted Working Space, Add</i>	25.19 4.78	7.80
23 05 29 00-0825	EA		3/4" Rod Size, Side Beam Bracket <i>For Work In Restricted Working Space, Add</i>	41.12 5.15	8.36
23 05 29 00-0826	EA		7/8" Rod Size, Side Beam Bracket <i>For Work In Restricted Working Space, Add</i>	47.65 5.57	9.48
23 05 29 00-0827			Hex Lag Bolts (23 05 29 00-0755) Note: Also known as coach screws.		
23 05 29 00-0828	EA		3/8" x 3-1/2" Long, Hex Lag Bolt <i>For Work In Restricted Working Space, Add</i>	2.75 0.70	
23 05 29 00-0829	EA		3/8" x 4" Long, Hex Lag Bolt <i>For Work In Restricted Working Space, Add</i>	2.81 0.72	
23 05 29 00-0830	EA		3/8" x 6" Long, Hex Lag Bolt <i>For Work In Restricted Working Space, Add</i>	3.09 0.75	
23 05 29 00-0831	EA		3/8" x 8" Long, Hex Lag Bolt <i>For Work In Restricted Working Space, Add</i>	3.56 0.77	
23 05 29 00-0832	EA		3/8" x 10" Long, Hex Lag Bolt <i>For Work In Restricted Working Space, Add</i>	3.77 0.80	
23 05 29 00-0833	EA		3/8" x 12" Long, Hex Lag Bolt <i>For Work In Restricted Working Space, Add</i>	4.52 0.83	
23 05 29 00-0834	EA		1/2" x 3-1/2" Long, Hex Lag Bolt <i>For Work In Restricted Working Space, Add</i>	3.62 0.83	
23 05 29 00-0835	EA		1/2" x 4" Long, Hex Lag Bolt <i>For Work In Restricted Working Space, Add</i>	3.70 0.87	
23 05 29 00-0836	EA		1/2" x 6" Long, Hex Lag Bolt <i>For Work In Restricted Working Space, Add</i>	4.17 0.91	
23 05 29 00-0837	EA		1/2" x 8" Long, Hex Lag Bolt <i>For Work In Restricted Working Space, Add</i>	4.71 0.95	
23 05 29 00-0838	EA		1/2" x 10" Long, Hex Lag Bolt <i>For Work In Restricted Working Space, Add</i>	5.40 1.00	
23 05 29 00-0839	EA		1/2" x 12" Long, Hex Lag Bolt <i>For Work In Restricted Working Space, Add</i>	5.76 1.05	
23 05 29 00-0840	EA		5/8" x 4" Long, Hex Lag Bolt <i>For Work In Restricted Working Space, Add</i>	4.73 0.93	
23 05 29 00-0841	EA		3/4" x 5" Long, Hex Lag Bolt <i>For Work In Restricted Working Space, Add</i>	5.36 0.95	
23 05 29 00-0842			Shields And Saddles (23 05 29)		
23 05 29 00-0843			Insulation Protection Shield (23 05 29 00-0842) Note: Type 40.		
23 05 29 00-0844			Insulation Protection Shield (Cooper B-Line B3151) (23 05 29 00-0843) Note: Type 40.		
23 05 29 00-0845	EA		1-1/2" Outside Diameter, 18 Gauge Insulation Protection Shield, 12" Length <i>For Work In Restricted Working Space, Add</i>	14.46 2.68	2.67
23 05 29 00-0846	EA		2" Outside Diameter, 18 Gauge Insulation Protection Shield, 12" Length <i>For Work In Restricted Working Space, Add</i>	14.67 2.71	2.70
23 05 29 00-0847	EA		2-1/2" Outside Diameter, 18 Gauge Insulation Protection Shield, 12" Length <i>For Work In Restricted Working Space, Add</i>	15.01 2.74	2.74
23 05 29 00-0848	EA		3" Outside Diameter, 18 Gauge Insulation Protection Shield, 12" Length <i>For Work In Restricted Working Space, Add</i>	15.65 2.78	2.77
23 05 29 00-0849	EA		4" Outside Diameter, 18 Gauge Insulation Protection Shield, 12" Length <i>For Work In Restricted Working Space, Add</i>	17.19 2.84	2.84



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0850 EA 6" Outside Diameter, 18 Gauge Insulation Protection Shield, 12" Length <i>For Work In Restricted Working Space, Add</i>	20.64 2.91	2.91
23 05 29 00-0851 EA 8" Outside Diameter, 16 Gauge Insulation Protection Shield, 18" Length <i>For Work In Restricted Working Space, Add</i>	23.76 2.98	2.98
23 05 29 00-0852 EA 10" Outside Diameter, 16 Gauge Insulation Protection Shield, 18" Length <i>For Work In Restricted Working Space, Add</i>	28.68 3.04	3.05
23 05 29 00-0853 EA 12" Outside Diameter, 14 Gauge Insulation Protection Shield, 24" Length <i>For Work In Restricted Working Space, Add</i>	36.33 3.08	3.08
23 05 29 00-0854 EA 14" Outside Diameter, 14 Gauge Insulation Protection Shield, 24" Length <i>For Work In Restricted Working Space, Add</i>	39.42 3.11	3.11
23 05 29 00-0855 EA 16" Outside Diameter, 14 Gauge Insulation Protection Shield, 24" Length <i>For Work In Restricted Working Space, Add</i>	53.59 3.14	3.15
23 05 29 00-0856 EA 18" Outside Diameter, 14 Gauge Insulation Protection Shield, 24" Length <i>For Work In Restricted Working Space, Add</i>	60.00 3.18	3.18
23 05 29 00-0857 EA 20" Outside Diameter, 12 Gauge Insulation Protection Shield, 24" Length <i>For Work In Restricted Working Space, Add</i>	109.71 3.21	3.21
23 05 29 00-0858 EA 24" Outside Diameter, 12 Gauge Insulation Protection Shield, 24" Length <i>For Work In Restricted Working Space, Add</i>	119.13 3.28	3.28
23 05 29 00-0859 EA 30" Outside Diameter, 12 Gauge Insulation Protection Shield, 24" Length <i>For Work In Restricted Working Space, Add</i>	143.61 3.35	3.35
23 05 29 00-0860 Insulation Protection Shield (Cooper B-Line B3154) (23 05 29 00-0843) Note: Type 40.		
23 05 29 00-0861 EA 1-1/2" Outside Diameter, 18 Gauge Insulation Protection Shield, 8" Length <i>For Work In Restricted Working Space, Add</i>	12.94 2.68	2.67
23 05 29 00-0862 EA 2" Outside Diameter, 18 Gauge Insulation Protection Shield, 8" Length <i>For Work In Restricted Working Space, Add</i>	13.12 2.71	2.70
23 05 29 00-0863 EA 2-1/2" Outside Diameter, 18 Gauge Insulation Protection Shield, 8" Length <i>For Work In Restricted Working Space, Add</i>	13.40 2.74	2.74
23 05 29 00-0864 EA 3" Outside Diameter, 18 Gauge Insulation Protection Shield, 8" Length <i>For Work In Restricted Working Space, Add</i>	13.89 2.78	2.77
23 05 29 00-0865 EA 4" Outside Diameter, 18 Gauge Insulation Protection Shield, 8" Length <i>For Work In Restricted Working Space, Add</i>	15.07 2.84	2.84
23 05 29 00-0866 EA 6" Outside Diameter, 18 Gauge Insulation Protection Shield, 8" Length <i>For Work In Restricted Working Space, Add</i>	17.63 2.91	2.91
23 05 29 00-0867 EA 8" Outside Diameter, 16 Gauge Insulation Protection Shield, 12" Length <i>For Work In Restricted Working Space, Add</i>	18.86 2.98	2.98
23 05 29 00-0868 EA 10" Outside Diameter, 16 Gauge Insulation Protection Shield, 12" Length <i>For Work In Restricted Working Space, Add</i>	23.58 3.04	3.05
23 05 29 00-0869 EA 12" Outside Diameter, 14 Gauge Insulation Protection Shield, 12" Length <i>For Work In Restricted Working Space, Add</i>	27.96 3.08	3.08
23 05 29 00-0870 Pipe Covering Protection Saddle (23 05 29 00-0842) Note: Type 39, sizes are pipe sizes.		
23 05 29 00-0871 Saddle, For 1" Insulation (Cooper B-Line B3160) (23 05 29 00-0870) Note: Type 39.		
23 05 29 00-0872 EA 3/4" Pipe Saddle, Type 39 (For 1" Insulation) <i>For Work In Restricted Working Space, Add</i>	21.91 3.67	3.67
23 05 29 00-0873 EA 1" Pipe Saddle, Type 39 (For 1" Insulation) <i>For Work In Restricted Working Space, Add</i>	22.01 3.70	3.70
23 05 29 00-0874 EA 1-1/4" Pipe Saddle, Type 39 (For 1" Insulation) <i>For Work In Restricted Working Space, Add</i>	22.12 3.73	3.73
23 05 29 00-0875 EA 1-1/2" Pipe Saddle, Type 39 (For 1" Insulation) <i>For Work In Restricted Working Space, Add</i>	23.15 3.80	3.79
23 05 29 00-0876 EA 2" Pipe Saddle, Type 39 (For 1" Insulation) <i>For Work In Restricted Working Space, Add</i>	23.25 3.83	3.82
23 05 29 00-0877 EA 2-1/2" Pipe Saddle, Type 39 (For 1" Insulation) <i>For Work In Restricted Working Space, Add</i>	23.98 3.89	3.89
23 05 29 00-0878 EA 3" Pipe Saddle, Type 39 (For 1" Insulation) <i>For Work In Restricted Working Space, Add</i>	26.49 3.95	3.95
23 05 29 00-0879 EA 4" Pipe Saddle, Type 39 (For 1" Insulation) <i>For Work In Restricted Working Space, Add</i>	29.51 4.01	4.01
23 05 29 00-0880 EA 6" Pipe Saddle, Type 39 (For 1" Insulation) <i>For Work In Restricted Working Space, Add</i>	32.98 4.14	4.13
23 05 29 00-0881 EA 8" Pipe Saddle, Type 39 (For 1" Insulation) <i>For Work In Restricted Working Space, Add</i>	39.76 4.29	4.29
23 05 29 00-0882 EA 10" Pipe Saddle, Type 39 (For 1" Insulation) <i>For Work In Restricted Working Space, Add</i>	44.21 4.35	4.35
23 05 29 00-0883 EA 12" Pipe Saddle, Type 39 (For 1" Insulation) <i>For Work In Restricted Working Space, Add</i>	52.04 4.45	4.35
23 05 29 00-0884 EA 14" Pipe Saddle, Type 39 (For 1" Insulation) <i>For Work In Restricted Working Space, Add</i>	56.64 4.51	4.51
23 05 29 00-0885 Saddle, For 1-1/2" Insulation (Cooper B-Line B3161) (23 05 29 00-0870) Note: Type 39.		
23 05 29 00-0886 EA 3/4" Pipe Saddle, Type 39 (For 1-1/2" Insulation) <i>For Work In Restricted Working Space, Add</i>	24.49 3.67	3.67
23 05 29 00-0887 EA 1" Pipe Saddle, Type 39 (For 1-1/2" Insulation) <i>For Work In Restricted Working Space, Add</i>	24.59 3.70	3.70

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 05 Common Work Results For HVAC****23 05 29 Hangers And Supports For HVAC Piping And Equipment**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0888 EA 1-1/4" Pipe Saddle, Type 39 (For 1-1/2" Insulation)..... <i>For Work In Restricted Working Space, Add</i>	24.70 3.73	3.73
23 05 29 00-0889 EA 1-1/2" Pipe Saddle, Type 39 (For 1-1/2" Insulation)..... <i>For Work In Restricted Working Space, Add</i>	25.56 3.80	3.79
23 05 29 00-0890 EA 2" Pipe Saddle, Type 39 (For 1-1/2" Insulation)..... <i>For Work In Restricted Working Space, Add</i>	27.45 3.83	3.82
23 05 29 00-0891 EA 2-1/2" Pipe Saddle, Type 39 (For 1-1/2" Insulation)..... <i>For Work In Restricted Working Space, Add</i>	29.44 3.89	3.89
23 05 29 00-0892 EA 3" Pipe Saddle, Type 39 (For 1-1/2" Insulation)..... <i>For Work In Restricted Working Space, Add</i>	29.95 3.95	3.95
23 05 29 00-0893 EA 4" Pipe Saddle, Type 39 (For 1-1/2" Insulation)..... <i>For Work In Restricted Working Space, Add</i>	33.76 4.01	3.95
23 05 29 00-0894 EA 6" Pipe Saddle, Type 39 (For 1-1/2" Insulation)..... <i>For Work In Restricted Working Space, Add</i>	37.80 4.14	4.13
23 05 29 00-0895 EA 8" Pipe Saddle, Type 39 (For 1-1/2" Insulation)..... <i>For Work In Restricted Working Space, Add</i>	44.48 4.29	4.29
23 05 29 00-0896 EA 10" Pipe Saddle, Type 39 (For 1-1/2" Insulation)..... <i>For Work In Restricted Working Space, Add</i>	49.80 4.35	4.35
23 05 29 00-0897 EA 12" Pipe Saddle, Type 39 (For 1-1/2" Insulation)..... <i>For Work In Restricted Working Space, Add</i>	58.93 4.45	4.45
23 05 29 00-0898 EA 14" Pipe Saddle, Type 39 (For 1-1/2" Insulation)..... <i>For Work In Restricted Working Space, Add</i>	64.37 4.51	4.51
23 05 29 00-0899 Saddle, For 2" Insulation (Cooper B-Line B3162) (23 05 29 00-0870) Note: Type 39.		
23 05 29 00-0900 EA 3/4" Pipe Saddle, Type 39 (For 2" Insulation)..... <i>For Work In Restricted Working Space, Add</i>	26.17 3.86	3.86
23 05 29 00-0901 EA 1" Pipe Saddle, Type 39 (For 2" Insulation)..... <i>For Work In Restricted Working Space, Add</i>	26.27 3.89	3.89
23 05 29 00-0902 EA 1-1/4" Pipe Saddle, Type 39 (For 2" Insulation)..... <i>For Work In Restricted Working Space, Add</i>	27.59 3.92	3.92
23 05 29 00-0903 EA 1-1/2" Pipe Saddle, Type 39 (For 2" Insulation)..... <i>For Work In Restricted Working Space, Add</i>	28.40 3.98	3.98
23 05 29 00-0904 EA 2" Pipe Saddle, Type 39 (For 2" Insulation)..... <i>For Work In Restricted Working Space, Add</i>	29.10 4.01	4.01
23 05 29 00-0905 EA 2-1/2" Pipe Saddle, Type 39 (For 2" Insulation)..... <i>For Work In Restricted Working Space, Add</i>	29.30 4.07	4.08
23 05 29 00-0906 EA 3" Pipe Saddle, Type 39 (For 2" Insulation)..... <i>For Work In Restricted Working Space, Add</i>	30.91 4.14	4.15
23 05 29 00-0907 EA 4" Pipe Saddle, Type 39 (For 2" Insulation)..... <i>For Work In Restricted Working Space, Add</i>	32.49 4.20	4.21
23 05 29 00-0908 EA 6" Pipe Saddle, Type 39 (For 2" Insulation)..... <i>For Work In Restricted Working Space, Add</i>	40.99 4.35	4.34
23 05 29 00-0909 EA 8" Pipe Saddle, Type 39 (For 2" Insulation)..... <i>For Work In Restricted Working Space, Add</i>	46.28 4.51	4.51
23 05 29 00-0910 EA 10" Pipe Saddle, Type 39 (For 2" Insulation)..... <i>For Work In Restricted Working Space, Add</i>	48.52 4.57	4.57
23 05 29 00-0911 EA 12" Pipe Saddle, Type 39 (For 2" Insulation)..... <i>For Work In Restricted Working Space, Add</i>	64.81 4.66	4.66
23 05 29 00-0912 EA 14" Pipe Saddle, Type 39 (For 2" Insulation)..... <i>For Work In Restricted Working Space, Add</i>	71.59 4.73	4.73
23 05 29 00-0913 EA 16" Pipe Saddle, Type 39 (For 2" Insulation)..... <i>For Work In Restricted Working Space, Add</i>	78.57 4.85	4.85
23 05 29 00-0914 EA 18" Pipe Saddle, Type 39 (For 2" Insulation)..... <i>For Work In Restricted Working Space, Add</i>	85.54 4.97	4.98
23 05 29 00-0915 EA 20" Pipe Saddle, Type 39 (For 2" Insulation)..... <i>For Work In Restricted Working Space, Add</i>	93.66 5.10	5.10
23 05 29 00-0916 EA 24" Pipe Saddle, Type 39 (For 2" Insulation)..... <i>For Work In Restricted Working Space, Add</i>	106.99 5.22	5.22
23 05 29 00-0917 Saddle, For 2-1/2" Insulation (Cooper B-Line B3163) (23 05 29 00-0870) Note: Type 39.		
23 05 29 00-0918 EA 1-1/4" Pipe Saddle, Type 39 (For 2-1/2" Insulation)..... <i>For Work In Restricted Working Space, Add</i>	29.19 4.01	4.01
23 05 29 00-0919 EA 1-1/2" Pipe Saddle, Type 39 (For 2-1/2" Insulation)..... <i>For Work In Restricted Working Space, Add</i>	30.74 4.07	4.07
23 05 29 00-0920 EA 2" Pipe Saddle, Type 39 (For 2-1/2" Insulation)..... <i>For Work In Restricted Working Space, Add</i>	31.54 4.11	4.11
23 05 29 00-0921 EA 2-1/2" Pipe Saddle, Type 39 (For 2-1/2" Insulation)..... <i>For Work In Restricted Working Space, Add</i>	32.42 4.17	4.18
23 05 29 00-0922 EA 3" Pipe Saddle, Type 39 (For 2-1/2" Insulation)..... <i>For Work In Restricted Working Space, Add</i>	32.73 4.26	4.25
23 05 29 00-0923 EA 4" Pipe Saddle, Type 39 (For 2-1/2" Insulation)..... <i>For Work In Restricted Working Space, Add</i>	37.79 4.32	4.31
23 05 29 00-0924 EA 6" Pipe Saddle, Type 39 (For 2-1/2" Insulation)..... <i>For Work In Restricted Working Space, Add</i>	43.05 4.45	4.45
23 05 29 00-0925 EA 8" Pipe Saddle, Type 39 (For 2-1/2" Insulation)..... <i>For Work In Restricted Working Space, Add</i>	49.92 4.60	4.61
23 05 29 00-0926 EA 10" Pipe Saddle, Type 39 (For 2-1/2" Insulation)..... <i>For Work In Restricted Working Space, Add</i>	53.42 4.70	4.68
23 05 29 00-0927 EA 12" Pipe Saddle, Type 39 (For 2-1/2" Insulation)..... <i>For Work In Restricted Working Space, Add</i>	66.49 4.79	4.78



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0928 EA 14" Pipe Saddle, Type 39 (For 2-1/2" Insulation).....	78.63	4.85
<i>For Work In Restricted Working Space, Add</i>	4.85	
23 05 29 00-0929 EA 16" Pipe Saddle, Type 39 (For 2-1/2" Insulation).....	90.95	4.97
<i>For Work In Restricted Working Space, Add</i>	4.97	
23 05 29 00-0930 EA 18" Pipe Saddle, Type 39 (For 2-1/2" Insulation).....	96.55	5.09
<i>For Work In Restricted Working Space, Add</i>	5.10	
23 05 29 00-0931 EA 20" Pipe Saddle, Type 39 (For 2-1/2" Insulation).....	102.77	5.22
<i>For Work In Restricted Working Space, Add</i>	5.22	
23 05 29 00-0932 EA 24" Pipe Saddle, Type 39 (For 2-1/2" Insulation).....	109.00	5.34
<i>For Work In Restricted Working Space, Add</i>	5.35	
23 05 29 00-0933 Saddle, For 3" Insulation (Cooper B-Line B3164) <small>(23 05 29 00-0870)</small>		
Note: Type 39.		
23 05 29 00-0934 EA 2" Pipe Saddle, Type 39 (For 3" Insulation).....	32.60	4.21
<i>For Work In Restricted Working Space, Add</i>	4.20	
23 05 29 00-0935 EA 2-1/2" Pipe Saddle, Type 39 (For 3" Insulation).....	35.47	4.28
<i>For Work In Restricted Working Space, Add</i>	4.29	
23 05 29 00-0936 EA 3" Pipe Saddle, Type 39 (For 3" Insulation).....	36.96	4.34
<i>For Work In Restricted Working Space, Add</i>	4.35	
23 05 29 00-0937 EA 4" Pipe Saddle, Type 39 (For 3" Insulation).....	38.44	4.42
<i>For Work In Restricted Working Space, Add</i>	4.42	
23 05 29 00-0938 EA 6" Pipe Saddle, Type 39 (For 3" Insulation).....	43.99	4.55
<i>For Work In Restricted Working Space, Add</i>	4.54	
23 05 29 00-0939 EA 8" Pipe Saddle, Type 39 (For 3" Insulation).....	54.85	4.71
<i>For Work In Restricted Working Space, Add</i>	4.73	
23 05 29 00-0940 EA 10" Pipe Saddle, Type 39 (For 3" Insulation).....	59.33	4.79
<i>For Work In Restricted Working Space, Add</i>	4.79	
23 05 29 00-0941 EA 12" Pipe Saddle, Type 39 (For 3" Insulation).....	76.80	4.90
<i>For Work In Restricted Working Space, Add</i>	4.88	
23 05 29 00-0942 EA 14" Pipe Saddle, Type 39 (For 3" Insulation).....	91.42	4.97
<i>For Work In Restricted Working Space, Add</i>	4.97	
23 05 29 00-0943 EA 16" Pipe Saddle, Type 39 (For 3" Insulation).....	106.07	5.08
<i>For Work In Restricted Working Space, Add</i>	5.07	
23 05 29 00-0944 EA 18" Pipe Saddle, Type 39 (For 3" Insulation).....	108.11	5.21
<i>For Work In Restricted Working Space, Add</i>	5.22	
23 05 29 00-0945 EA 20" Pipe Saddle, Type 39 (For 3" Insulation).....	110.07	5.33
<i>For Work In Restricted Working Space, Add</i>	5.35	
23 05 29 00-0946 EA 24" Pipe Saddle, Type 39 (For 3" Insulation).....	139.33	5.48
<i>For Work In Restricted Working Space, Add</i>	5.48	
23 05 29 00-0947 Saddle, For 4" Insulation (Cooper B-Line B3165) <small>(23 05 29 00-0870)</small>		
Note: Type 39.		
23 05 29 00-0948 EA 2" Pipe Saddle, Type 39 (For 4" Insulation).....	36.62	4.30
<i>For Work In Restricted Working Space, Add</i>	4.29	
23 05 29 00-0949 EA 2-1/2" Pipe Saddle, Type 39 (For 4" Insulation).....	40.02	4.38
<i>For Work In Restricted Working Space, Add</i>	4.39	
23 05 29 00-0950 EA 3" Pipe Saddle, Type 39 (For 4" Insulation).....	41.75	4.45
<i>For Work In Restricted Working Space, Add</i>	4.45	
23 05 29 00-0951 EA 4" Pipe Saddle, Type 39 (For 4" Insulation).....	43.58	4.51
<i>For Work In Restricted Working Space, Add</i>	4.51	
23 05 29 00-0952 EA 6" Pipe Saddle, Type 39 (For 4" Insulation).....	52.94	4.65
<i>For Work In Restricted Working Space, Add</i>	4.66	
23 05 29 00-0953 EA 8" Pipe Saddle, Type 39 (For 4" Insulation).....	62.30	4.83
<i>For Work In Restricted Working Space, Add</i>	4.82	
23 05 29 00-0954 EA 10" Pipe Saddle, Type 39 (For 4" Insulation).....	64.39	4.91
<i>For Work In Restricted Working Space, Add</i>	4.91	
23 05 29 00-0955 EA 12" Pipe Saddle, Type 39 (For 4" Insulation).....	81.97	5.01
<i>For Work In Restricted Working Space, Add</i>	5.01	
23 05 29 00-0956 EA 14" Pipe Saddle, Type 39 (For 4" Insulation).....	99.23	5.07
<i>For Work In Restricted Working Space, Add</i>	5.07	
23 05 29 00-0957 EA 16" Pipe Saddle, Type 39 (For 4" Insulation).....	116.69	5.20
<i>For Work In Restricted Working Space, Add</i>	5.19	
23 05 29 00-0958 EA 18" Pipe Saddle, Type 39 (For 4" Insulation).....	142.44	5.32
<i>For Work In Restricted Working Space, Add</i>	5.32	
23 05 29 00-0959 EA 20" Pipe Saddle, Type 39 (For 4" Insulation).....	168.07	5.47
<i>For Work In Restricted Working Space, Add</i>	5.48	
23 05 29 00-0960 EA 24" Pipe Saddle, Type 39 (For 4" Insulation).....	179.71	5.60
<i>For Work In Restricted Working Space, Add</i>	5.60	
23 05 29 00-0961 EA 30" Pipe Saddle, Type 39 (For 4" Insulation).....	189.09	5.74
<i>For Work In Restricted Working Space, Add</i>	5.75	
23 05 29 00-0962 EA 36" Pipe Saddle, Type 39 (For 4" Insulation).....	196.05	5.88
<i>For Work In Restricted Working Space, Add</i>	5.88	
23 05 29 00-0963 Adjustable Pipe Saddle Support (Cooper B-Line B3096) <small>(23 05 29 00-0842)</small>		
Note: Type 38.		
23 05 29 00-0964 EA 2" Adjustable Pipe Saddle Support, Type 38.....	82.28	13.93
23 05 29 00-0965 EA 3" Adjustable Pipe Saddle Support, Type 38.....	87.53	16.16
23 05 29 00-0966 EA 4" Adjustable Pipe Saddle Support, Type 38.....	106.15	18.40
23 05 29 00-0967 EA 5" Adjustable Pipe Saddle Support, Type 38.....	110.89	20.06
23 05 29 00-0968 EA 6" Adjustable Pipe Saddle Support, Type 38.....	123.04	22.30
23 05 29 00-0969 EA 8" Adjustable Pipe Saddle Support, Type 38.....	140.62	27.87

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 05 Common Work Results For HVAC****23 05 29 Hangers And Supports For HVAC Piping And Equipment**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0970 EA 10" Adjustable Pipe Saddle Support, Type 38	184.09	37.34
23 05 29 00-0971 EA 12" Adjustable Pipe Saddle Support, Type 38	230.34	55.73
23 05 29 00-0972 Pipe Stanchion Support (Cooper B-Line B3090) (23 05 29 00-0842)		
Note: Type 37.		
23 05 29 00-0973 EA 2-1/2" Pipe Stanchion Support With U-Bolt, Type 37	100.87	13.93
23 05 29 00-0974 EA 3" Pipe Stanchion Support With U-Bolt, Type 37	104.85	16.16
23 05 29 00-0975 EA 3-1/2" Pipe Stanchion Support With U-Bolt, Type 37	112.40	17.28
23 05 29 00-0976 EA 4" Pipe Stanchion Support With U-Bolt, Type 37	115.00	18.40
23 05 29 00-0977 EA 5" Pipe Stanchion Support With U-Bolt, Type 37	121.08	20.06
23 05 29 00-0978 EA 6" Pipe Stanchion Support With U-Bolt, Type 37	128.65	22.30
23 05 29 00-0979 EA 8" Pipe Stanchion Support With U-Bolt, Type 37	163.24	27.87
23 05 29 00-0980 EA 10" Pipe Stanchion Support With U-Bolt, Type 37	220.09	37.34
23 05 29 00-0981 EA 12" Pipe Stanchion Support With U-Bolt, Type 37	289.94	55.73
23 05 29 00-0982 Pipe Saddle Support (Cooper B-Line B3095) (23 05 29 00-0842)		
Note: Type 36.		
23 05 29 00-0983 EA 2-1/2" Pipe Saddle Support, Type 36	53.74	13.93
23 05 29 00-0984 EA 3" Pipe Saddle Support, Type 36	57.72	16.16
23 05 29 00-0985 EA 3-1/2" Pipe Saddle Support, Type 36	85.07	17.28
23 05 29 00-0986 EA 4" Pipe Saddle Support, Type 36	87.67	18.40
23 05 29 00-0987 EA 5" Pipe Saddle Support, Type 36	96.30	20.06
23 05 29 00-0988 EA 6" Pipe Saddle Support, Type 36	106.75	22.30
23 05 29 00-0989 EA 8" Pipe Saddle Support, Type 36	123.12	27.87
23 05 29 00-0990 EA 10" Pipe Saddle Support, Type 36	144.97	37.34
23 05 29 00-0991 EA 12" Pipe Saddle Support, Type 36	185.67	55.73
23 05 29 00-0992 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate (23 05 29 00-0842)		
Note: Insert is for use as isolated protective insulation at hangers.		
23 05 29 00-0993 1" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate (23 05 29 00-0992)		
23 05 29 00-0994 EA 1/2" Diameter Pipe, 1" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	15.27	7.07
23 05 29 00-0995 EA 3/4" Diameter Pipe, 1" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	15.45	7.07
23 05 29 00-0996 EA 1" Diameter Pipe, 1" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	15.50	7.07
23 05 29 00-0997 EA 1-1/4" Diameter Pipe, 1" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	15.69	7.07
23 05 29 00-0998 EA 1-1/2" Diameter Pipe, 1" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	16.79	7.50
23 05 29 00-0999 EA 2" Diameter Pipe, 1" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	17.48	7.72
23 05 29 00-1000 EA 2-1/2" Diameter Pipe, 1" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	18.27	8.04
23 05 29 00-1001 EA 3" Diameter Pipe, 1" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	19.15	8.37
23 05 29 00-1002 EA 4" Diameter Pipe, 1" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	20.52	8.69
23 05 29 00-1003 EA 6" Diameter Pipe, 1" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	20.51	7.50
23 05 29 00-1004 EA 8" Diameter Pipe, 1" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	30.35	9.78
23 05 29 00-1005 EA 10" Diameter Pipe, 1" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	35.82	11.52
23 05 29 00-1006 EA 12" Diameter Pipe, 1" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	41.03	13.37
23 05 29 00-1007 EA 14" Diameter Pipe, 1" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	45.30	13.80
23 05 29 00-1008 1-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate (23 05 29 00-0992)		
23 05 29 00-1009 EA 1/2" Diameter Pipe, 1-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	12.63	5.33
23 05 29 00-1010 EA 3/4" Diameter Pipe, 1-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	13.56	5.33
23 05 29 00-1011 EA 1" Diameter Pipe, 1-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	13.83	5.44
23 05 29 00-1012 EA 1-1/4" Diameter Pipe, 1-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	14.23	5.55
23 05 29 00-1013 EA 1-1/2" Diameter Pipe, 1-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	14.60	5.55
23 05 29 00-1014 EA 2" Diameter Pipe, 1-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	15.27	5.76
23 05 29 00-1015 EA 2-1/2" Diameter Pipe, 1-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	16.07	5.98
23 05 29 00-1016 EA 3" Diameter Pipe, 1-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	16.51	6.09
23 05 29 00-1017 EA 4" Diameter Pipe, 1-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	18.07	6.63
23 05 29 00-1018 EA 6" Diameter Pipe, 1-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	28.08	11.41
23 05 29 00-1019 EA 8" Diameter Pipe, 1-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	24.11	8.58
23 05 29 00-1020 EA 10" Diameter Pipe, 1-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	29.01	10.11
23 05 29 00-1021 EA 12" Diameter Pipe, 1-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	33.08	11.63
23 05 29 00-1022 EA 14" Diameter Pipe, 1-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	39.23	14.02
23 05 29 00-1023 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate (23 05 29 00-0992)		
23 05 29 00-1024 EA 1/2" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	16.61	6.09
23 05 29 00-1025 EA 3/4" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	16.76	6.09
23 05 29 00-1026 EA 1" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	17.24	6.19
23 05 29 00-1027 EA 1-1/4" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	17.66	6.30
23 05 29 00-1028 EA 1-1/2" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	18.11	6.41
23 05 29 00-1029 EA 2" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	18.80	6.63
23 05 29 00-1030 EA 2-1/2" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	19.71	6.84
23 05 29 00-1031 EA 3" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	20.59	7.07
23 05 29 00-1032 EA 4" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	22.43	7.50



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-1033 EA 6" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	25.61	8.47
23 05 29 00-1034 EA 8" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	40.77	14.45
23 05 29 00-1035 EA 10" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	45.22	16.73
23 05 29 00-1036 EA 12" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	52.51	19.78
23 05 29 00-1037 EA 14" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	58.91	22.17
23 05 29 00-1038 EA 16" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	65.95	25.00
23 05 29 00-1039 EA 18" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	76.08	29.35
23 05 29 00-1040 EA 20" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	84.50	32.60
23 05 29 00-1041 EA 24" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	95.54	36.96
23 05 29 00-1042 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate (23 05 29 00-0992)		
23 05 29 00-1043 EA 1/2" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	19.07	7.07
23 05 29 00-1044 EA 3/4" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	19.24	7.07
23 05 29 00-1045 EA 1" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	19.83	7.18
23 05 29 00-1046 EA 1-1/4" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	20.25	7.29
23 05 29 00-1047 EA 1-1/2" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	20.68	7.29
23 05 29 00-1048 EA 2" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	21.54	7.61
23 05 29 00-1049 EA 2-1/2" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	22.57	7.83
23 05 29 00-1050 EA 3" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	23.57	8.15
23 05 29 00-1051 EA 4" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	25.65	8.58
23 05 29 00-1052 EA 6" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	29.33	9.78
23 05 29 00-1053 EA 8" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	37.03	10.86
23 05 29 00-1054 EA 10" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	43.78	12.50
23 05 29 00-1055 EA 12" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	51.08	15.54
23 05 29 00-1056 EA 14" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	57.15	17.07
23 05 29 00-1057 EA 16" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	68.97	21.74
23 05 29 00-1058 EA 18" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	73.62	22.83
23 05 29 00-1059 EA 20" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	83.74	26.08
23 05 29 00-1060 EA 24" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	99.33	31.52
23 05 29 00-1061 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate (23 05 29 00-0992)		
23 05 29 00-1062 EA 1/2" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	31.23	7.29
23 05 29 00-1063 EA 3/4" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	36.91	7.61
23 05 29 00-1064 EA 1" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	38.13	7.61
23 05 29 00-1065 EA 1-1/4" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	38.96	7.83
23 05 29 00-1066 EA 1-1/2" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	39.94	8.04
23 05 29 00-1067 EA 2" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	41.04	8.15
23 05 29 00-1068 EA 2-1/2" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	43.08	8.37
23 05 29 00-1069 EA 3" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	44.92	8.91
23 05 29 00-1070 EA 4" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	49.21	9.24
23 05 29 00-1071 EA 6" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	56.24	11.31
23 05 29 00-1072 EA 8" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	71.03	12.39
23 05 29 00-1073 EA 10" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	84.17	13.05
23 05 29 00-1074 EA 12" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	97.47	16.84
23 05 29 00-1075 EA 14" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	109.31	17.93
23 05 29 00-1076 EA 16" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	132.56	23.91
23 05 29 00-1077 EA 18" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	142.64	26.08
23 05 29 00-1078 EA 20" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	161.36	28.26
23 05 29 00-1079 EA 24" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	189.72	34.78
23 05 29 00-1080 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate (23 05 29 00-0992)		
23 05 29 00-1081 EA 1/2" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	19.07	7.07
23 05 29 00-1082 EA 3/4" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	23.06	8.58
23 05 29 00-1083 EA 1" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	23.83	8.58
23 05 29 00-1084 EA 1-1/4" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	24.29	8.69
23 05 29 00-1085 EA 1-1/2" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	24.90	8.80
23 05 29 00-1086 EA 2" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	25.79	9.13
23 05 29 00-1087 EA 2-1/2" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	27.06	9.46
23 05 29 00-1088 EA 3" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	28.20	9.78
23 05 29 00-1089 EA 4" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	30.81	10.32
23 05 29 00-1090 EA 6" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	35.18	11.74
23 05 29 00-1091 EA 8" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	44.40	13.05
23 05 29 00-1092 EA 10" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	52.53	15.00
23 05 29 00-1093 EA 12" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	61.29	18.69
23 05 29 00-1094 EA 14" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	68.60	20.43
23 05 29 00-1095 EA 16" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	82.77	26.08
23 05 29 00-1096 EA 18" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	88.35	27.39
23 05 29 00-1097 EA 20" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	100.54	31.30
23 05 29 00-1098 EA 24" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	119.19	37.82
23 05 29 00-1099 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate (23 05 29 00-0992)		

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 05 Common Work Results For HVAC****23 05 29 Hangers And Supports For HVAC Piping And Equipment**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-1100 EA 1/2" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	25.70	9.57
23 05 29 00-1101 EA 3/4" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	25.94	9.57
23 05 29 00-1102 EA 1" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	26.76	9.67
23 05 29 00-1103 EA 1-1/4" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	27.40	9.78
23 05 29 00-1104 EA 1-1/2" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	27.82	9.78
23 05 29 00-1105 EA 2" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	29.41	10.43
23 05 29 00-1106 EA 2-1/2" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	30.43	10.54
23 05 29 00-1107 EA 3" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	31.81	10.98
23 05 29 00-1108 EA 4" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	34.64	11.63
23 05 29 00-1109 EA 6" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	39.55	13.15
23 05 29 00-1110 EA 8" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	49.13	14.24
23 05 29 00-1111 EA 10" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	59.12	16.96
23 05 29 00-1112 EA 12" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	68.96	21.09
23 05 29 00-1113 EA 14" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	77.20	22.94
23 05 29 00-1114 EA 16" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	93.18	29.35
23 05 29 00-1115 EA 18" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	99.33	30.76
23 05 29 00-1116 EA 20" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	112.11	35.22
23 05 29 00-1117 EA 24" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	134.13	42.61
23 05 29 00-1118 EA 26" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	154.19	50.10
23 05 29 00-1119 EA 28" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	177.06	59.13
23 05 29 00-1120 EA 30" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	202.55	69.88
23 05 29 00-1121 EA 42" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	295.87	107.92
23 05 29 00-1122 EA 44" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	320.56	118.80
23 05 29 00-1123 EA 46" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	342.83	128.25
23 05 29 00-1124 Equipment Housekeeping Pads (23 05 29) See CSI section 03 31 13 00-0108 for Concrete Equipment Pads.		
23 05 29 00-1125 Molded Plastic Condenser Pad (23 05 29 00-1124)		
23 05 29 00-1126 EA 30" Round Molded Plastic Pad.....	58.43	13.93
23 05 29 00-1127 EA 30" Octagon Molded Plastic Pad.....	60.44	13.93
23 05 29 00-1128 EA 30" x 30" Molded Plastic Pad.....	58.43	13.93
23 05 29 00-1129 EA 36" x 36" Molded Plastic Pad.....	70.48	13.93
23 05 29 00-1130 EA 36" x 48" Molded Plastic Pad.....	93.03	13.93
23 05 29 00-1131 Inertia Base (23 05 29 00-1124) Note: Includes spring isolators.		
23 05 29 00-1132 EA Up To 12 SF Inertia Base, 8" Thick With Spring Base.....	792.91	
23 05 29 00-1133 EA >12 To 16 SF Inertia Base, 8" Thick With Spring Base.....	953.89	
23 05 29 00-1134 EA >16 To 20 SF Inertia Base, 8" Thick With Spring Base.....	1,092.30	
23 05 29 00-1135 EA >20 To 24 SF Inertia Base, 8" Thick With Spring Base.....	1,245.77	
23 05 29 00-1136 Hanger Assemblies (23 05 29) Note: Includes hanger, rod, nuts, washers, clamps, upper attachment, etc. Not for use where detail is available.		
23 05 29 00-1137 EA 1/2" Standard Duty Clevis Pipe Hanger Assembly.....	45.18	17.32
Note: Includes hanger, rod, nuts, washers and clamp.		
For Work In Restricted Working Space, Add	11.15	
23 05 29 00-1138 EA 3/4" Standard Duty Clevis Pipe Hanger Assembly.....	47.23	18.35
Note: Includes hanger, rod, nuts, washers and clamp.		
For Work In Restricted Working Space, Add	11.76	
23 05 29 00-1139 EA 1" Standard Duty Clevis Pipe Hanger Assembly.....	48.77	19.39
Note: Includes hanger, rod, nuts, washers and clamp.		
For Work In Restricted Working Space, Add	12.21	
23 05 29 00-1140 EA 1-1/4" Standard Duty Clevis Pipe Hanger Assembly.....	49.63	19.42
Note: Includes hanger, rod, nuts, washers and clamp.		
For Work In Restricted Working Space, Add	12.39	
23 05 29 00-1141 EA 1-1/2" Standard Duty Clevis Pipe Hanger Assembly.....	49.84	19.42
Note: Includes hanger, rod, nuts, washers and clamp.		
For Work In Restricted Working Space, Add	12.39	
23 05 29 00-1142 EA 2" Standard Duty Clevis Pipe Hanger Assembly.....	50.87	19.57
Note: Includes hanger, rod, nuts, washers and clamp.		
For Work In Restricted Working Space, Add	12.57	
23 05 29 00-1143 EA 2-1/2" Standard Duty Clevis Pipe Hanger Assembly.....	54.96	19.72
Note: Includes hanger, rod, nuts, washers and clamp.		
For Work In Restricted Working Space, Add	12.05	
23 05 29 00-1144 EA 3" Standard Duty Clevis Pipe Hanger Assembly.....	56.65	20.28
Note: Includes hanger, rod, nuts, washers and clamp.		
For Work In Restricted Working Space, Add	12.23	
23 05 29 00-1145 EA 4" Standard Duty Clevis Pipe Hanger Assembly.....	67.18	22.89
Note: Includes hanger, rod, nuts, washers and clamp.		
For Work In Restricted Working Space, Add	13.51	
23 05 29 00-1146 EA 6" Standard Duty Clevis Pipe Hanger Assembly.....	97.76	29.59
Note: Includes hanger, rod, nuts, washers and clamp.		
For Work In Restricted Working Space, Add	17.75	
23 05 29 00-1147 EA 8" Standard Duty Clevis Pipe Hanger Assembly.....	114.24	34.32
Note: Includes hanger, rod, nuts, washers and clamp.		
For Work In Restricted Working Space, Add	20.59	
23 05 29 00-1148 EA 10" Standard Duty Clevis Pipe Hanger Assembly.....	156.54	43.59
Note: Includes hanger, rod, nuts, washers and clamp.		
For Work In Restricted Working Space, Add	25.83	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-1149 EA 12" Standard Duty Clevis Pipe Hanger Assembly Note: Includes hanger, rod, nuts, washers and clamp. <i>For Work In Restricted Working Space, Add</i>	172.61 28.20	46.91
23 05 29 00-1150 Steel Shapes For Hanger Devices (23 05 29)		
23 05 29 00-1151 Angle Iron (23 05 29 00-1150)		
23 05 29 00-1152 LF 1/2" x 1/2" x 1/8" Angle Iron	2.42	1.62
23 05 29 00-1153 LF 3/4" x 3/4" x 1/8" Angle Iron	3.12	2.02
23 05 29 00-1154 LF 1" x 1" x 1/8" Angle Iron	3.80	2.42
23 05 29 00-1155 LF 1-1/4" x 1-1/4" x 3/16" Angle Iron	5.07	3.02
23 05 29 00-1156 LF 1-1/2" x 1-1/2" x 3/16" Angle Iron	5.58	3.23
23 05 29 00-1157 LF 2" x 2" x 1/4" Angle Iron	7.13	3.63
23 05 29 00-1158 LF 2-1/2" x 2-1/2" x 1/4" Angle Iron	8.81	4.42
23 05 29 00-1159 LF 3" x 2" x 3/8" Angle Iron	11.13	5.19
23 05 29 00-1160 LF 3" x 3" x 3/8" Angle Iron	13.21	6.06
23 05 29 00-1161 Channels (23 05 29 00-1150)		
23 05 29 00-1162 LF C2 X 1.78 - 2" Wide (Channels)	6.26	3.75
23 05 29 00-1163 LF C3 X 4.1 - 3" Wide (Channels)	10.12	5.40
23 05 29 00-1164 LF C4 X 5.4 - 4" Wide (Channels)	12.49	6.47
23 05 29 00-1165 LF C5 X 6.7 - 5" Wide (Channels)	14.85	7.55
23 05 29 00-1166 LF C6 X 8.2 - 6" Wide (Channels)	17.95	9.07
23 05 29 00-1167 LF C7 X 9.8 - 7" Wide (Channels)	21.38	10.79
23 05 29 00-1168 LF C8 X 11.5 - 8" Wide (Channels)	24.03	11.88
23 05 29 00-1169 Structural Bar Tees (23 05 29 00-1150)		
23 05 29 00-1170 LF 3/4" x 3/4" x 1/8" Structural Bar Tee	7.66	5.27
23 05 29 00-1171 LF 1" x 1" x 1/8" Structural Bar Tee	9.21	6.24
23 05 29 00-1172 LF 1-1/2" x 1-1/2" x 1/4" Structural Bar Tee	12.21	7.20
23 05 29 00-1173 LF 2" x 2" x 1/4" Structural Bar Tee	15.70	9.59
23 05 29 00-1174 LF 2-1/2" x 2-1/2" x 3/8" Structural Bar Tee	20.69	11.51
23 05 29 00-1175 LF 3" x 3" x 3/8" Structural Bar Tee	26.08	14.88
23 05 29 00-1176 Structural Zees (23 05 29 00-1150)		
23 05 29 00-1177 LF 1-1/4" x 1-3/4" x 1-3/4" Structural Zee	12.22	7.20
23 05 29 00-1178 LF 2-11/16" x 3" x 2-11/16" Structural Zee	13.82	7.20
23 05 29 00-1179 LF 3-1/16" x 4" x 3-1/16" Structural Zee	19.65	7.20
23 05 29 00-1180 LF 3-1/4" x 5" x 3-1/4" Structural Zee	24.14	7.20
23 05 29 00-1181 LF 3-1/2" x 6" x 3-1/2" Structural Zee	28.52	7.20
23 05 29 00-1182 Junior I-beams (23 05 29 00-1150)		
23 05 29 00-1183 LF 3" I-beam (Junior)	15.97	10.56
23 05 29 00-1184 LF 4" I-beam (Junior)	18.06	11.51
23 05 29 00-1185 LF 5" I-beam (Junior)	20.43	12.48
23 05 29 00-1186 LF 6" I-beam (Junior)	22.26	13.91
23 05 29 00-1187 LF 7" I-beam (Junior)	25.57	14.88
23 05 29 00-1188 LF 8" I-beam (Junior)	27.59	15.83
23 05 33 Heat Tracing For HVAC Piping (23 05)		
See CSI section 23 83 13 00-0000 for heat tracing cables.		
23 05 48 Vibration And Seismic Controls For HVAC (23 05)		
23 05 48 00-0001 Unhoused Stable Steel Spring Isolators (23 05 48)		
Note: Includes leveling adjustment, cast top, base plate and pad. For use with floor mounted equipment only.		
23 05 48 00-0002 EA 60 LB Unhoused Steel Spring Isolator	102.59	31.20
23 05 48 00-0003 EA 115 LB Unhoused Steel Spring Isolator	109.10	31.20
23 05 48 00-0004 EA 1,130 LB Unhoused Steel Spring Isolator	130.70	31.20
23 05 48 00-0005 Vibration Isolators (23 05 48)		
23 05 48 00-0006 Spring And Rubber Hanger For 1" Deflection (23 05 48 00-0005)		
23 05 48 00-0007 EA 50-500 LB Rated Spring And Rubber Hanger For Vibration Isolation With 3/4" Max Rod Size	135.74	20.06
23 05 48 00-0008 EA 600-1,000 LB Rated Spring And Rubber Hanger For Vibration Isolation With 7/8" Max Rod Size	285.65	22.30
23 05 48 00-0009 Rubber-In-Shear Isolator Hanger (23 05 48 00-0005)		
23 05 48 00-0010 EA 45-340 LB Rubber In Shear Hanger 0.38" Deflection With <1/2" Rod Size	75.40	16.72
23 05 48 00-0011 EA 130-700 LB Rubber In Shear Hanger 0.43" Deflection With <3/4" Rod Size	97.75	20.06
23 05 48 00-0012 Spring Hanger For 1" Deflection (23 05 48 00-0005)		

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 05 Common Work Results For HVAC****23 05 48 Vibration And Seismic Controls For HVAC**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 48 00-0013 EA 50 To 1,000 LB Rubber In Shear Hanger For 1" Deflection With <3/4" Rod Size.....	85.52	20.06
23 05 48 00-0014 Rubber-In-Shear Vibration Isolator (23 05 48 00-0005)		
23 05 48 00-0015 EA 45-340 LB Rubber In Shear Vibration Isolation With 0.38" Deflection	157.35	37.90
23 05 48 00-0016 EA 130-700 LB Rubber In Shear Vibration Isolation With 0.43" Deflection	215.00	37.90
23 05 48 00-0017 EA 550-1,920 LB Rubber In Shear Vibration Isolation With 0.48" Deflection	412.84	37.90
23 05 48 00-0018 Two-Piece Spring Type Vibration Isolator (23 05 48 00-0005)		
Note: For equipment support aluminum construction 1/2" adjusting and leveling bolt 1" deflection.		
23 05 48 00-0019 EA 50 - 1,000 LB Rated Load 2-Piece Isolator Spring Type Vibration Isolator.....	133.06	37.90
23 05 48 00-0020 EA >1,000 - 1,600 LB Rated Load 2-Piece Isolator Spring Type Vibration Isolator.....	137.35	37.90
23 05 48 00-0021 Open Double Spring Type Vibration Isolator (23 05 48 00-0005)		
Note: For equipment support 1" deflection neoprene pad and 5/8" stud bolt.		
23 05 48 00-0022 EA 150-450 LB Rated Load Open Isolator, Double Spring Type Vibration Isolator	103.63	18.95
23 05 48 00-0023 EA 500-1,000 LB Rated Load Open Isolator, Double Spring Type Vibration Isolator	103.63	18.95
23 05 48 00-0024 EA 1,100-1,600 LB Rated Load Open Isolator, Double Spring Type Vibration Isolator	117.95	18.95
23 05 48 00-0025 EA 1,700-2,400 LB Rated Load Open Isolator, Double Spring Type Vibration Isolator	117.95	18.95
23 05 48 00-0026 EA 2,500-3,400 LB Rated Load Open Isolator, Double Spring Type Vibration Isolator	182.72	18.95
23 05 48 00-0027 Isolation Pads (23 05 48 00-0005)		
23 05 48 00-0028 Laminated Neoprene And Cork Isolation Pad (23 05 48 00-0027)		
23 05 48 00-0029 EA 2" x 2", 1" Thick Laminated Neoprene And Cork Isolation Pad.....	6.78	2.78
23 05 48 00-0030 EA 3" x 3", 1" Thick Laminated Neoprene And Cork Isolation Pad.....	8.70	2.90
23 05 48 00-0031 EA 4" x 4", 1" Thick Laminated Neoprene And Cork Isolation Pad.....	10.89	3.01
23 05 48 00-0032 EA 12" x 12", 1" Thick Laminated Neoprene And Cork Isolation Pad.....	43.27	3.46
23 05 48 00-0033 EA 18" x 18", 1" Thick Laminated Neoprene And Cork Isolation Pad.....	82.86	3.90
23 05 48 00-0034 Neoprene And Steel Plate Isolation Pad (23 05 48 00-0027)		
23 05 48 00-0035 EA 6" x 4", 5/8" Thick Steel Plate And Ribbed Neoprene Isolation Pad	37.86	2.78
23 05 48 00-0036 EA 6" x 4", 7/8" Thick Steel Plate And Ribbed Neoprene Isolation Pad	41.40	2.78
23 05 48 00-0037 Neoprene Isolation Pad (23 05 48 00-0027)		
23 05 48 00-0038 EA 2" x 2", 3/8" Thick Ribbed Neoprene Isolation Pad.....	6.32	2.78
23 05 48 00-0039 EA 3" x 3", 3/8" Thick Ribbed Neoprene Isolation Pad.....	7.21	2.78
23 05 48 00-0040 EA 4" x 4", 3/8" Thick Ribbed Neoprene Isolation Pad.....	8.62	2.78
23 05 48 00-0041 EA 12" x 12", 3/8" Thick Ribbed Neoprene Isolation Pad	42.57	3.35
23 05 48 00-0042 EA 18" x 18", 3/8" Thick Ribbed Neoprene Isolation Pad	77.86	3.90
23 05 48 00-0043 Threaded Flexible Bronze Hose Connectors (23 05 48)		
Note: Includes hex threaded nipple ends.		
23 05 48 00-0044 EA 3/8" Diameter x 9" Flexible Hose Connection, For Vibration Isolation, Bronze Hose With Hex Threaded Nipple Ends	72.96	17.83
23 05 48 00-0045 EA 1/2" Diameter x 10" Flexible Hose Connection, For Vibration Isolation, Bronze Hose With Hex Threaded Nipple Ends	85.46	24.52
23 05 48 00-0046 EA 3/4" Diameter x 11" Flexible Hose Connection, For Vibration Isolation, Bronze Hose With Hex Threaded Nipple Ends	104.91	30.10
23 05 48 00-0047 EA 1" Diameter x 12" Flexible Hose Connection, For Vibration Isolation, Bronze Hose With Hex Threaded Nipple Ends	122.07	35.67
23 05 48 00-0048 EA 1-1/4" Diameter x 12" Flexible Hose Connection, For Vibration Isolation, Bronze Hose With Hex Threaded Nipple Ends	139.96	46.81
23 05 48 00-0049 EA 1-1/2" Diameter x 14" Flexible Hose Connection, For Vibration Isolation, Bronze Hose With Hex Threaded Nipple Ends	157.62	49.83
23 05 48 00-0050 EA 2" Diameter x 14" Flexible Hose Connection, For Vibration Isolation, Bronze Hose With Hex Threaded Nipple Ends	211.07	59.08
23 05 48 00-0051 EA 2-1/2" Diameter x 16" Flexible Hose Connection, For Vibration Isolation, Bronze Hose With Hex Threaded Nipple Ends	291.38	92.07
23 05 48 00-0052 Flanged Flexible Hose Connectors (23 05 48)		
23 05 48 00-0053 Flanged Flexible Molded Rubber Hose Connectors (23 05 48 00-0052)		
Note: With helical wire reinforcement 150 PSI.		
23 05 48 00-0054 EA 1-1/2" Diameter x 12" Molded Rubber Connectors With Helical Wire Reinforcement 150 PSI	221.30	83.60
23 05 48 00-0055 EA 2" Diameter x 12" Molded Rubber Connectors With Helical Wire Reinforcement 150 PSI	239.43	92.85
23 05 48 00-0056 EA 3" Diameter x 12" Molded Rubber Connectors With Helical Wire Reinforcement 150 PSI	539.05	275.88
23 05 48 00-0057 EA 4" Diameter x 12" Molded Rubber Connectors With Helical Wire Reinforcement 150 PSI	702.40	356.14
23 05 48 00-0058 EA 6" Diameter x 18" Molded Rubber Connectors With Helical Wire Reinforcement 150 PSI	869.66	352.54
23 05 48 00-0059 EA 8" Diameter x 24" Molded Rubber Connectors With Helical Wire Reinforcement 150 PSI	1,059.09	402.65
23 05 48 00-0060 EA 10" Diameter x 24" Molded Rubber Connectors With Helical Wire Reinforcement 150 PSI	1,374.80	479.17
23 05 48 00-0061 EA 12" Diameter x 24" Molded Rubber Connectors With Helical Wire Reinforcement 150 PSI	3,292.14	599.31

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 05 Common Work Results For HVAC****23 05 48 Vibration And Seismic Controls For HVAC**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 48 00-0128 EA 2" Diameter x 18" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	196.21	4.88
23 05 48 00-0129 EA 2" Diameter x 24" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	229.44	4.88
23 05 48 00-0130 EA 2" Diameter x 36" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	300.31	6.53
23 05 48 00-0131 EA 2" Diameter x 48" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	367.66	6.53
23 05 48 00-0132 EA 2" Diameter x 60" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	434.94	6.53
23 05 48 00-0133 EA 2-1/2" Or 3" Diameter x 12" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	184.07	5.74
23 05 48 00-0134 EA 2-1/2" Or 3" Diameter x 18" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	219.46	5.74
23 05 48 00-0135 EA 2-1/2" Or 3" Diameter x 24" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	255.02	5.74
23 05 48 00-0136 EA 2-1/2" Or 3" Diameter x 36" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	330.37	7.69
23 05 48 00-0137 EA 2-1/2" Or 3" Diameter x 48" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	401.19	7.69
23 05 48 00-0138 EA 2-1/2" Or 3" Diameter x 60" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	471.03	7.69
23 05 48 00-0139 EA 4" Diameter x 12" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	195.26	7.69
23 05 48 00-0140 EA 4" Diameter x 18" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	235.80	7.90
23 05 48 00-0141 FT 4" Diameter x 24" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	276.93	7.69
23 05 48 00-0142 EA 4" Diameter x 36" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	366.76	10.25
23 05 48 00-0143 EA 4" Diameter x 48" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	448.57	10.25
23 05 48 00-0144 EA 4" Diameter x 60" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	532.70	10.25
23 05 48 00-0145 EA 6" Diameter x 18" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	393.63	14.92
23 05 48 00-0146 EA 6" Diameter x 24" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	581.15	15.03
23 05 48 00-0147 EA 6" Diameter x 36" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	779.38	19.80
23 05 48 00-0148 EA 6" Diameter x 48" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	966.97	19.80
23 05 48 00-0149 EA 6" Diameter x 60" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	1,154.52	19.80
23 05 48 00-0150 EA 8" Diameter x 18" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	680.36	16.98
23 05 48 00-0151 EA 8" Diameter x 24" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	822.23	16.98
23 05 48 00-0152 EA 8" Diameter x 36" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	1,114.92	22.08
23 05 48 00-0153 EA 8" Diameter x 48" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	1,396.36	22.08
23 05 48 00-0154 EA 8" Diameter x 60" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	1,677.73	22.08
23 05 48 00-0155 EA 10" Diameter x 18" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	728.23	21.24
23 05 48 00-0156 EA 10" Diameter x 24" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	1,082.92	21.24
23 05 48 00-0157 EA 10" Diameter x 36" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	1,450.64	27.64
23 05 48 00-0158 EA 10" Diameter x 48" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	1,806.58	27.64
23 05 48 00-0159 EA 10" Diameter x 60" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	2,161.01	27.64
23 05 48 00-0160 EA 12" Diameter x 24" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	1,447.97	25.67
23 05 48 00-0161 EA 12" Diameter x 36" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	1,890.62	25.67
23 05 48 00-0162 EA 12" Diameter x 48" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	2,364.81	34.53
23 05 48 00-0163 EA 12" Diameter x 60" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	2,811.35	34.53
23 05 48 00-0164 EA 12" Diameter x 72" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	3,259.98	34.53
23 05 48 00-0165 Braided Metal Hose Type Flexible Bronze Hose Connectors (23 05 48 00-0080)		
Note: Flanged end connection (carbon steel ends).		
23 05 48 00-0166 EA 2" Diameter x 12" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	125.70	4.83
23 05 48 00-0167 EA 2" Diameter x 24" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	175.38	4.83
23 05 48 00-0168 EA 2" Diameter x 36" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	228.68	6.46



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 48 00-0169 EA 2" Diameter x 48" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends).....	278.43	6.46
23 05 48 00-0170 EA 2" Diameter x 60" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends).....	328.19	6.46
23 05 48 00-0171 EA 2-1/2" Or 3" Diameter x 12" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends).....	143.07	5.74
23 05 48 00-0172 EA 2-1/2" Or 3" Diameter x 24" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends).....	195.50	5.74
23 05 48 00-0173 EA 2-1/2" Or 3" Diameter x 36" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends).....	252.21	7.69
23 05 48 00-0174 EA 2-1/2" Or 3" Diameter x 48" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends).....	304.67	7.69
23 05 48 00-0175 EA 2-1/2" Or 3" Diameter x 60" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends).....	356.22	7.69
23 05 48 00-0176 EA 4" Diameter x 12" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends).....	177.55	7.69
23 05 48 00-0177 EA 4" Diameter x 24" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends).....	238.74	7.69
23 05 48 00-0178 EA 4" Diameter x 36" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends).....	306.62	10.25
23 05 48 00-0179 EA 4" Diameter x 48" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends).....	376.15	10.25
23 05 48 00-0180 EA 4" Diameter x 60" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends).....	429.28	10.25
23 05 48 00-0181 EA 6" Diameter x 12" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends).....	315.38	15.03
23 05 48 00-0182 EA 6" Diameter x 24" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends).....	454.03	15.03
23 05 48 00-0183 EA 6" Diameter x 36" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends).....	603.41	19.80
23 05 48 00-0184 EA 6" Diameter x 48" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends).....	742.08	19.80
23 05 48 00-0185 EA 6" Diameter x 60" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends).....	880.73	19.80
23 05 48 00-0186 EA 8" Diameter x 18" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends).....	573.23	16.98
23 05 48 00-0187 EA 8" Diameter x 24" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends).....	678.12	16.98
23 05 48 00-0188 EA 8" Diameter x 36" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends).....	898.41	22.55
23 05 48 00-0189 EA 8" Diameter x 48" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends).....	1,106.45	22.55
23 05 48 00-0190 EA 8" Diameter x 60" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends).....	1,314.39	22.55
23 05 48 00-0191 EA 10" Diameter x 24" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends).....	1,001.56	21.24
23 05 48 00-0192 EA 10" Diameter x 36" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends).....	1,262.88	21.24
23 05 48 00-0193 EA 10" Diameter x 48" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends).....	1,541.69	28.31
23 05 48 00-0194 EA 10" Diameter x 60" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends).....	1,804.21	28.31
23 05 48 00-0195 EA 10" Diameter x 72" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends).....	2,016.37	28.31
23 05 48 00-0196 EA 12" Diameter x 24" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends).....	1,386.49	25.67
23 05 48 00-0197 EA 12" Diameter x 36" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends).....	1,718.10	25.67
23 05 48 00-0198 EA 12" Diameter x 48" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends).....	2,069.31	34.53
23 05 48 00-0199 EA 12" Diameter x 60" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends).....	2,400.91	34.53
23 05 48 00-0200 EA 12" Diameter x 72" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends).....	2,732.52	34.53

23 05 53 Identification For HVAC Piping And Equipment (23 05)

- 23 05 53 00-0001 **Systems Identification** (23 05 53)
- 23 05 53 00-0002 **Pipe Marker Snap-On Type Plastic** (23 05 53 00-0001)

Note: Outside diameters include insulation where necessary.

23 05 53 00-0003 EA 1/2" Outside Diameter Snap-On Plastic Marker.....	11.62
23 05 53 00-0004 EA 3/4" Outside Diameter Snap-On Plastic Marker.....	11.90
23 05 53 00-0005 EA 1" Outside Diameter Snap-On Plastic Marker.....	12.05
23 05 53 00-0006 EA 1-1/4" Outside Diameter Snap-On Plastic Marker.....	12.25
23 05 53 00-0007 EA 1-1/2" Outside Diameter Snap-On Plastic Marker.....	13.26
23 05 53 00-0008 EA 2" Outside Diameter Snap-On Plastic Marker.....	13.76
23 05 53 00-0009 EA 2-1/2" Outside Diameter Snap-On Plastic Marker.....	17.89
23 05 53 00-0010 EA 3" Outside Diameter Snap-On Plastic Marker.....	18.28
23 05 53 00-0011 EA 3-1/2" Outside Diameter Snap-On Plastic Marker.....	18.71
23 05 53 00-0012 EA 4" Outside Diameter Snap-On Plastic Marker.....	18.94
23 05 53 00-0013 EA 4-1/2" Outside Diameter Snap-On Plastic Marker.....	19.18
23 05 53 00-0014 EA 5" Outside Diameter Snap-On Plastic Marker.....	19.43

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 05 Common Work Results For HVAC****23 05 53 Identification For HVAC Piping And Equipment**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 53 00-0015 EA 6" Outside Diameter Snap-On Plastic Marker.....	20.13	
23 05 53 00-0016 EA 7" Outside Diameter Snap-On Plastic Marker.....	20.40	
23 05 53 00-0017 EA 8" Outside Diameter Snap-On Plastic Marker.....	23.25	
23 05 53 00-0018 EA 10" Outside Diameter Snap-On Plastic Marker.....	24.65	
23 05 53 00-0019 EA 12" Outside Diameter Snap-On Plastic Marker.....	28.88	
23 05 53 00-0020 EA 14" Outside Diameter Snap-On Plastic Marker.....	32.96	
23 05 53 00-0021 Pipe Markers Pressure-Sensitive <small>(23 05 53 00-0001)</small>		
Note: Stick on include arrow tape. Outside diameter includes insulation where necessary.		
23 05 53 00-0022 EA 1/2" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation	11.98	
23 05 53 00-0023 EA 3/4" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation	12.54	
23 05 53 00-0024 EA 1" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation	13.65	
23 05 53 00-0025 EA 1-1/4" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation	13.88	
23 05 53 00-0026 EA 1-1/2" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation	14.67	
23 05 53 00-0027 EA 2" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation	15.01	
23 05 53 00-0028 EA 2-1/2" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation	16.62	
23 05 53 00-0029 EA 3" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation	17.06	
23 05 53 00-0030 EA 3-1/2" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation	17.39	
23 05 53 00-0031 EA 4" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation	17.74	
23 05 53 00-0032 EA 4-1/2" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation	18.43	
23 05 53 00-0033 EA 5" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation	19.18	
23 05 53 00-0034 EA 6" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation	19.84	
23 05 53 00-0035 EA 7" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation	20.49	
23 05 53 00-0036 EA 8" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation	21.65	
23 05 53 00-0037 EA 10" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation	23.54	
23 05 53 00-0038 EA 12" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation	27.30	
23 05 53 00-0039 Valve Identification Tag <small>(23 05 53 00-0001)</small>		
Note: Includes beaded chain and/or "S" hook.		
23 05 53 00-0040 EA 2" Diameter Identification Tag, Brass.....	10.23	
23 05 53 00-0041 EA 1-1/2" Diameter Identification Tag, Plastic.....	9.85	
23 05 53 00-0042 EA 1-1/2" Diameter Identification Tag, Brass.....	9.73	
23 05 93 Testing, Adjusting, And Balancing For HVAC <small>(23 05)</small>		
Note: New systems include all necessary testing, startup, and checkout. Use these tasks for testing, startup, and checkout of existing systems.		
23 05 93 00-0001 Heating And Ventilating Equipment <small>(23 05 93)</small>		
23 05 93 00-0002 EA Balancing Centrifugal Fans.....	460.52	
<i>For Testing Of Unit Without Balancing, Deduct</i>		
	-230.26	
23 05 93 00-0003 EA Balancing Heating And Ventilating Units.....	575.42	
<i>For Testing Of Unit Without Balancing, Deduct</i>		
	-287.71	
23 05 93 00-0004 EA Balancing In Line Fan.....	518.09	
<i>For Testing Of Unit Without Balancing, Deduct</i>		
	-259.05	
23 05 93 00-0005 EA Balancing Propeller And Wall Fan.....	115.13	
<i>For Testing Of Unit Without Balancing, Deduct</i>		
	-57.57	
23 05 93 00-0006 EA Balancing Roof Exhaust Fan.....	345.37	
<i>For Testing Of Unit Without Balancing, Deduct</i>		
	-172.69	
23 05 93 00-0007 EA Balancing Wall Fan.....	86.33	
<i>For Testing Of Unit Without Balancing, Deduct</i>		
	-43.17	
23 05 93 00-0008 EA Balancing Fan Section Exhaust.....	459.79	
<i>For Testing Of Unit Without Balancing, Deduct</i>		
	-229.90	
23 05 93 00-0009 Air Conditioning Equipment <small>(23 05 93)</small>		
23 05 93 00-0010 EA Balancing Constant Volume Air Handling Unit.....	820.83	
<i>For Testing Of Unit Without Balancing, Deduct</i>		
	-410.42	
23 05 93 00-0011 EA Balancing Package A/C Unit.....	307.81	
<i>For Testing Of Unit Without Balancing, Deduct</i>		
	-153.91	
23 05 93 00-0012 EA Balancing Rooftop Heat And Cool Unit.....	410.41	
<i>For Testing Of Unit Without Balancing, Deduct</i>		
	-205.21	
23 05 93 00-0013 EA Balancing Variable Volume Air Handling Unit.....	1,436.44	
<i>For Testing Of Unit Without Balancing, Deduct</i>		
	-718.22	
23 05 93 00-0014 Registers, Diffusers, Terminal Air Units And Dampers <small>(23 05 93)</small>		
23 05 93 00-0015 EA Balancing HVAC Duct System, Ceiling Height To 12' Supply, Return, Exhaust, Register And Diffuser	86.35	
<i>For Testing Of Unit Without Balancing, Deduct</i>		
	-43.18	
23 05 93 00-0016 EA Balancing HVAC Duct System, Ceiling Height >12' Supply, Return, Exhaust, Register And Diffuser.....	143.92	
<i>For Testing Of Unit Without Balancing, Deduct</i>		
	-71.96	
23 05 93 00-0017 EA Balancing HVAC Duct System, Floor Height Supply, Return, Exhaust, Register And Diffuser	74.84	
<i>For Testing Of Unit Without Balancing, Deduct</i>		
	-37.42	
23 05 93 00-0018 EA Balance Variable Air Volume Box.....	81.08	
<i>For Testing Of Unit Without Balancing, Deduct</i>		
	-40.54	
23 05 93 00-0019 EA Balance Constant Volume Box.....	81.08	
<i>For Testing Of Unit Without Balancing, Deduct</i>		
	-40.54	
23 05 93 00-0020 EA Balance Fan Powered Box.....	92.11	
<i>For Testing Of Unit Without Balancing, Deduct</i>		
	-46.06	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 93 00-0021 EA Balance Lab Fume Hood	374.19	
For Testing Of Unit Without Balancing, Deduct	-187.10	
23 05 93 00-0022 EA Balance General Hood	287.83	
For Testing Of Unit Without Balancing, Deduct	-143.92	
23 05 93 00-0023 EA Balance Induction Unit.....	172.70	
For Testing Of Unit Without Balancing, Deduct	-86.35	
23 05 93 00-0024 EA Balance Moduline - Master	69.06	
For Testing Of Unit Without Balancing, Deduct	-34.53	
23 05 93 00-0025 EA Balance Moduline - Slave	34.53	
For Testing Of Unit Without Balancing, Deduct	-17.27	
23 05 93 00-0026 EA Balance Dampers	32.07	
For Testing Of Unit Without Balancing, Deduct	-16.04	
23 05 93 00-0027 EA Balance Regenerators	459.79	
For Testing Of Unit Without Balancing, Deduct	-229.90	
23 05 93 00-0028 Water Balancing Of Components (23 05 93)		
23 05 93 00-0029 EA Water Balance, Air Cool Condenser	564.37	
For Testing Of Unit Without Balancing, Deduct	-282.19	
23 05 93 00-0030 EA Water Balance, Cabinet Heater	71.83	
For Testing Of Unit Without Balancing, Deduct	-35.92	
23 05 93 00-0031 EA Water Balance, Chiller, Air Cooled	615.56	
For Testing Of Unit Without Balancing, Deduct	-307.78	
23 05 93 00-0032 EA Water Balance, Chiller, Water Cooled	820.83	
For Testing Of Unit Without Balancing, Deduct	-410.42	
23 05 93 00-0033 EA Water Balance, Cooling Tower	410.41	
For Testing Of Unit Without Balancing, Deduct	-205.21	
23 05 93 00-0034 EA Water Balance, Fan Coil And Vent	102.66	
For Testing Of Unit Without Balancing, Deduct	-51.33	
23 05 93 00-0035 EA Water Balance, Fin Tube And Radiant Panel	102.60	
For Testing Of Unit Without Balancing, Deduct	-51.30	
23 05 93 00-0036 EA Water Balance, Main And Duct Re-Heat Coil	112.87	
For Testing Of Unit Without Balancing, Deduct	-56.44	
23 05 93 00-0037 EA Water Balance, Pumps	307.82	
For Testing Of Unit Without Balancing, Deduct	-153.91	
23 05 93 00-0038 EA Water Balance, Unit Heater	71.82	
For Testing Of Unit Without Balancing, Deduct	-35.91	
23 05 93 00-0039 EA Water Balancing, Converter	307.93	
For Testing Of Unit Without Balancing, Deduct	-153.97	
23 05 93 00-0040 EA Water Balancing, Cocks And Valves	51.29	
For Testing Of Unit Without Balancing, Deduct	-25.65	
23 05 93 00-0041 EA Water Balance, Convactor	61.56	
For Testing Of Unit Without Balancing, Deduct	-30.78	
23 05 93 00-0042 EA Water Balancing, Backflow Preventer Or Reduced Pressure Zone Valves	76.96	
For Testing Of Unit Without Balancing, Deduct	-38.48	
23 05 93 00-0043 EA Water Balance, Boiler, Up To 500 MBH	666.91	
For Testing Of Unit Without Balancing, Deduct	-333.46	
23 05 93 00-0044 EA >500 To 1,000 MBH, Water Balance, Boiler	1,231.24	
For Testing Of Unit Without Balancing, Deduct	-615.62	
23 05 93 00-0045 EA >1,000 MBH, Water Balance, Boiler	2,257.27	
For Testing Of Unit Without Balancing, Deduct	-1,128.64	
23 05 93 00-0046 Non Destructive Testing (23 05 93)		
23 05 93 00-0047 X-Ray Welds, Non-Destructive Testing (23 05 93 00-0046)		
23 05 93 00-0048 X-Ray Welds Minimum Set-Up Charge (23 05 93 00-0047)		
23 05 93 00-0049 EA X-Ray Welds Minimum Set-Up Charge	728.79	
Note: For projects where the total charges are less than the minimum set-up charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.		
23 05 93 00-0050 Piping, X-Ray Welds, Non Destructive Testing (23 05 93 00-0047)		
23 05 93 00-0051 EA Up To 3/4" Piping, X-Ray Welds, Non Destructive Testing	82.40	
23 05 93 00-0052 EA 1" Piping, X-Ray Welds, Non Destructive Testing	93.90	
23 05 93 00-0053 EA 1-1/4" - 1-1/2" Piping, X-Ray Welds, Non Destructive Testing	105.41	
23 05 93 00-0054 EA 2" Piping, X-Ray Welds, Non Destructive Testing	111.35	
23 05 93 00-0055 EA 3" Piping, X-Ray Welds, Non Destructive Testing	117.28	
23 05 93 00-0056 EA 4" Piping, X-Ray Welds, Non Destructive Testing	123.59	
23 05 93 00-0057 EA 6" Piping, X-Ray Welds, Non Destructive Testing	135.47	
23 05 93 00-0058 EA 8" Piping, X-Ray Welds, Non Destructive Testing	147.34	
23 05 93 00-0059 EA 10" Piping, X-Ray Welds, Non Destructive Testing	153.63	
23 05 93 00-0060 EA 12" Piping, X-Ray Welds, Non Destructive Testing	159.93	
23 05 93 00-0061 Liquid Penetration Of Welds, Non Destructive Testing (23 05 93 00-0046)		
23 05 93 00-0062 Piping, Liquid Penetration Of Welds, Non Destructive Testing (23 05 93 00-0061)		
23 05 93 00-0063 EA Up To 3/4" Piping, Liquid Penetration Of Welds, Non Destructive Testing	85.94	
23 05 93 00-0064 EA 1" Piping, Liquid Penetration Of Welds, Non Destructive Testing	91.52	
23 05 93 00-0065 EA 1-1/4" - 1-1/2" Piping, Liquid Penetration Of Welds, Non Destructive Testing	97.09	
23 05 93 00-0066 EA 2" Piping, Liquid Penetration Of Welds, Non Destructive Testing	99.87	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 05 Common Work Results For HVAC****23 05 93 Testing, Adjusting, And Balancing For HVAC**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 93 00-0067 EA 3" Piping, Liquid Penetration Of Welds, Non Destructive Testing	104.05	
23 05 93 00-0068 EA 4" Piping, Liquid Penetration Of Welds, Non Destructive Testing	108.24	
23 05 93 00-0069 EA 6" Piping, Liquid Penetration Of Welds, Non Destructive Testing	116.60	
23 05 93 00-0070 EA 8" Piping, Liquid Penetration Of Welds, Non Destructive Testing	124.95	
23 05 93 00-0071 EA 10" Piping, Liquid Penetration Of Welds, Non Destructive Testing	133.32	
23 05 93 00-0072 EA 12" Piping, Liquid Penetration Of Welds, Non Destructive Testing	141.67	
23 05 93 00-0073 Hydrostatic Testing <small>(23 05 93 00-0046)</small> Note: Includes flushing and restoring of system.		
23 05 93 00-0074 Piping, Hydrostatic Testing <small>(23 05 93 00-0073)</small>		
23 05 93 00-0075 EA Up To 100', Up To 1-1/2" Piping, Hydrostatic Testing	733.33	
23 05 93 00-0076 EA >100' To 250', Up To 1-1/2" Piping, Hydrostatic Testing	1,047.61	
23 05 93 00-0077 EA >250' To 500', Up To 1-1/2" Piping, Hydrostatic Testing	1,255.24	
23 05 93 00-0078 EA >500' To 1,000', Up To 1-1/2" Piping, Hydrostatic Testing	1,671.99	
23 05 93 00-0079 EA >1,000' To 2,000', Up To 1-1/2" Piping, Hydrostatic Testing	2,533.31	
23 05 93 00-0080 EA Up To 100', >1-1/2" To 4" Piping, Hydrostatic Testing	975.03	
23 05 93 00-0081 EA >100' To 250', >1-1/2" To 4" Piping, Hydrostatic Testing	1,393.32	
23 05 93 00-0082 EA >250' To 500', >1-1/2" To 4" Piping, Hydrostatic Testing	1,658.71	
23 05 93 00-0083 EA >500' To 1,000', >1-1/2" To 4" Piping, Hydrostatic Testing	2,173.56	
23 05 93 00-0084 EA >1,000' To 2,000', >1-1/2" To 4" Piping, Hydrostatic Testing	3,288.22	
23 05 93 00-0085 EA Up To 100', >4" To 10" Piping, Hydrostatic Testing	1,270.71	
23 05 93 00-0086 EA >100' To 250', >4" To 10" Piping, Hydrostatic Testing	1,811.32	
23 05 93 00-0087 EA >250' To 500', >4" To 10" Piping, Hydrostatic Testing	1,819.10	
23 05 93 00-0088 EA >500' To 1,000', >4" To 10" Piping, Hydrostatic Testing	2,383.16	
23 05 93 00-0089 EA >1,000' To 2,000', >4" To 10" Piping, Hydrostatic Testing	3,605.28	
23 05 93 00-0090 EA Up To 100', >10" To 14" Piping, Hydrostatic Testing	1,649.69	
23 05 93 00-0091 EA >100' To 250', >10" To 14" Piping, Hydrostatic Testing	2,351.91	
23 05 93 00-0092 EA >250' To 500', >10" To 14" Piping, Hydrostatic Testing	2,365.29	
23 05 93 00-0093 EA >500' To 1,000', >10" To 14" Piping, Hydrostatic Testing	3,102.33	
23 05 93 00-0094 EA >1,000' To 2,000', >10" To 14" Piping, Hydrostatic Testing	4,700.51	
23 05 93 00-0095 Pneumatic Testing <small>(23 05 93 00-0046)</small> Note: Includes soaping joints flushing and restoring of system. Can be used for gas or smoke test.		
23 05 93 00-0096 Piping, Pneumatic Testing <small>(23 05 93 00-0095)</small>		
23 05 93 00-0097 EA Up To 100', Up To 1-1/2" Piping, Pneumatic Testing	833.66	
Note: Includes soaping joints.		
23 05 93 00-0098 EA >100' To 250', Up To 1-1/2" Piping, Pneumatic Testing	1,189.67	
Note: Includes soaping joints.		
23 05 93 00-0099 EA >250' To 500', Up To 1-1/2" Piping, Pneumatic Testing	1,284.20	
Note: Includes soaping joints.		
23 05 93 00-0100 EA >500' To 1,000', Up To 1-1/2" Piping, Pneumatic Testing	1,644.44	
Note: Includes soaping joints.		
23 05 93 00-0101 EA >1,000' To 2,000', Up To 1-1/2" Piping, Pneumatic Testing	2,571.71	
Note: Includes soaping joints.		
23 05 93 00-0102 EA Up To 100', >1-1/2" To 4" Piping, Pneumatic Testing	1,087.82	
Note: Includes soaping joints.		
23 05 93 00-0103 EA >100' To 250', >1-1/2" To 4" Piping, Pneumatic Testing	1,544.82	
Note: Includes soaping joints.		
23 05 93 00-0104 EA >250' To 500', >1-1/2" To 4" Piping, Pneumatic Testing	1,669.37	
Note: Includes soaping joints.		
23 05 93 00-0105 EA >500' To 1,000', >1-1/2" To 4" Piping, Pneumatic Testing	2,138.27	
Note: Includes soaping joints.		
23 05 93 00-0106 EA >1,000' To 2,000', >1-1/2" To 4" Piping, Pneumatic Testing	3,342.86	
Note: Includes soaping joints.		
23 05 93 00-0107 EA Up To 100', >4" To 10" Piping, Pneumatic Testing	1,309.42	
Note: Includes soaping joints.		
23 05 93 00-0108 EA >100' To 250', >4" To 10" Piping, Pneumatic Testing	1,848.08	
Note: Includes soaping joints.		
23 05 93 00-0109 EA >250' To 500', >4" To 10" Piping, Pneumatic Testing	1,990.79	
Note: Includes soaping joints.		
23 05 93 00-0110 EA >500' To 1,000', >4" To 10" Piping, Pneumatic Testing	2,543.22	
Note: Includes soaping joints.		
23 05 93 00-0111 EA >1,000' To 2,000', >4" To 10" Piping, Pneumatic Testing	3,981.85	
Note: Includes soaping joints.		
23 05 93 00-0112 EA Up To 100', >10" To 14" Piping, Pneumatic Testing	1,704.94	
Note: Includes soaping joints.		
23 05 93 00-0113 EA >100' To 250', >10" To 14" Piping, Pneumatic Testing	2,402.63	
Note: Includes soaping joints.		
23 05 93 00-0114 EA >250' To 500', >10" To 14" Piping, Pneumatic Testing	2,588.74	
Note: Includes soaping joints.		
23 05 93 00-0115 EA >500' To 1,000', >10" To 14" Piping, Pneumatic Testing	3,306.69	
Note: Includes soaping joints.		
23 05 93 00-0116 EA >1,000' To 2,000', >10" To 14" Piping, Pneumatic Testing	5,184.46	
Note: Includes soaping joints.		
23 05 93 00-0117 EPA Testing Of Sludge <small>(23 05 93)</small>		
23 05 93 00-0118 EA Flashpoint And Lead Test For Lead	602.54	
23 05 93 00-0119 EA Air Test/Combustion Gas Level	72.24	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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23 05 93 00-0120	EA	Toxicity Test For Heavy Metals.....	921.95	
23 05 93 00-0121	EA	Aboveground Tank Water Settlement Test Including Water.....	701.70	

23 07 HVAC Insulation ⁽²³⁾

23 07 13 Duct Insulation ^(23 07)

Note: Based on SF surface area of duct to receive insulation.

23 07 13 00-0001 FSK Fiber Glass Duct Wrap Insulation ^(23 07 13)

Note: Foil-scrim kraft (FSK) facing lapped and joints sealed vapor tight. See CSI section 23 33 53 00-0000 for internal duct insulation.

23 07 13 00-0002 Type 75 (0.75 LB/CF) FSK Fiber Glass Duct Wrap Insulation ^(23 07 13 00-0001)

23 07 13 00-0003	SF	1" Type 75 (0.75 LB/CF) FSK Fiber Glass Duct Wrap Insulation.....	3.12	2.17
		<i>For Plain Blanket, With No Facing, Deduct</i>	-0.09	
		<i>For Work In Restricted Working Space, Add</i>	0.87	
23 07 13 00-0004	SF	1-1/2" Type 75 (0.75 LB/CF) FSK Fiber Glass Duct Wrap Insulation.....	3.66	2.17
		<i>For Plain Blanket, With No Facing, Deduct</i>	-0.10	
		<i>For Work In Restricted Working Space, Add</i>	1.02	
23 07 13 00-0005	SF	2" Type 75 (0.75 LB/CF) FSK Fiber Glass Duct Wrap Insulation.....	4.16	3.26
		<i>For Plain Blanket, With No Facing, Deduct</i>	-0.11	
		<i>For Work In Restricted Working Space, Add</i>	1.16	
23 07 13 00-0006	SF	3" Type 75 (0.75 LB/CF) FSK Fiber Glass Duct Wrap Insulation.....	4.89	3.80
		<i>For Plain Blanket, With No Facing, Deduct</i>	-0.14	
		<i>For Work In Restricted Working Space, Add</i>	1.36	
23 07 13 00-0007	SF	4" Type 75 (0.75 LB/CF) FSK Fiber Glass Duct Wrap Insulation.....	5.45	4.13
		<i>For Plain Blanket, With No Facing, Deduct</i>	-0.22	
		<i>For Work In Restricted Working Space, Add</i>	1.47	

23 07 13 00-0008 Type 100 (1.0 LB/CF) FSK Fiber Glass Duct Wrap Insulation ^(23 07 13 00-0001)

23 07 13 00-0009	SF	1" Type 100 (1.0 LB/CF) FSK Fiber Glass Duct Wrap Insulation.....	3.88	3.26
		<i>For Plain Blanket, With No Facing, Deduct</i>	-0.10	
		<i>For Work In Restricted Working Space, Add</i>	1.09	
23 07 13 00-0010	SF	1-1/2" Type 100 (1.0 LB/CF) FSK Fiber Glass Duct Wrap Insulation.....	4.50	3.80
		<i>For Plain Blanket, With No Facing, Deduct</i>	-0.13	
		<i>For Work In Restricted Working Space, Add</i>	1.25	
23 07 13 00-0011	SF	2" Type 100 (1.0 LB/CF) Fiber Glass FSK Duct Wrap Insulation.....	5.32	4.35
		<i>For Plain Blanket, With No Facing, Deduct</i>	-0.15	
		<i>For Work In Restricted Working Space, Add</i>	1.48	

23 07 13 00-0012 Type 150 (1.5 LB/CF) FSK Fiber Glass Duct Wrap Insulation ^(23 07 13 00-0001)

23 07 13 00-0013	SF	1" Type 150 (1.5 LB/CF) FSK Fiber Glass Duct Wrap Insulation.....	4.80	4.35
		<i>For Plain Blanket, With No Facing, Deduct</i>	-0.18	
		<i>For Work In Restricted Working Space, Add</i>	1.31	
23 07 13 00-0014	SF	1-1/2" Type 150 (1.5 LB/CF) FSK Fiber Glass Duct Wrap Insulation.....	5.76	4.89
		<i>For Plain Blanket, With No Facing, Deduct</i>	-0.31	
		<i>For Work In Restricted Working Space, Add</i>	1.50	
23 07 13 00-0015	SF	2" Type 150 (1.5 LB/CF) FSK Fiber Glass Duct Wrap Insulation.....	6.70	5.44
		<i>For Plain Blanket, With No Facing, Deduct</i>	-0.36	
		<i>For Work In Restricted Working Space, Add</i>	1.74	

23 07 13 00-0016 3 LB/CF FSK Rigid Fiber Glass Board Insulation ^(23 07 13)

Note: Foil-scrim kraft (FSK) facing, sealed vapor tight and attached to ducts with mechanical fasteners.

23 07 13 00-0017	SF	1", 3 LB/CF FSK Rigid Fiber Glass Board Insulation.....	9.83	5.65
		<i>For 8 Oz Canvas On Duct, Applied Over Deadening Felt And Finished, Add</i>	23.29	
		<i>For Finishing Cement 1/2" Thick Over 1" Wire Mesh, Add</i>	17.07	
		<i>For Non-Metallic Weatherproof Paste, 2 LB, Add</i>	14.12	
		<i>For Work In Restricted Working Space, Add</i>	2.90	
23 07 13 00-0018	SF	1-1/2", 3 LB/CF FSK Rigid Fiber Glass Board Insulation.....	12.00	6.87
		<i>For 8 Oz Canvas On Duct, Applied Over Deadening Felt And Finished, Add</i>	28.36	
		<i>For Finishing Cement 1/2" Thick Over 1" Wire Mesh, Add</i>	20.81	
		<i>For Non-Metallic Weatherproof Paste, 2 LB, Add</i>	17.21	
		<i>For Work In Restricted Working Space, Add</i>	3.52	
23 07 13 00-0019	SF	2", 3 LB/CF FSK Rigid Fiber Glass Board Insulation.....	14.51	8.29
		<i>For 8 Oz Canvas On Duct, Applied Over Deadening Felt And Finished, Add</i>	34.25	
		<i>For Finishing Cement 1/2" Thick Over 1" Wire Mesh, Add</i>	25.14	
		<i>For Non-Metallic Weatherproof Paste, 2 LB, Add</i>	20.78	
		<i>For Work In Restricted Working Space, Add</i>	4.25	

23 07 13 00-0020 4.253 LB/CF FSK Rigid Fiber Glass Board Insulation ^(23 07 13)

Note: Foil-scrim kraft (FSK) facing, sealed vapor tight and attached to ducts with mechanical fastener.

23 07 13 00-0021	SF	1", 4.253 LB/CF FSK Rigid Fiber Glass Board Insulation.....	11.21	6.21
		<i>For Work In Restricted Working Space, Add</i>	3.18	
23 07 13 00-0022	SF	1-1/2", 4.253 LB/CF FSK Rigid Fiber Glass Board Insulation.....	14.26	7.55
		<i>For Work In Restricted Working Space, Add</i>	3.88	
23 07 13 00-0023	SF	2", 4.253 LB/CF FSK Rigid Fiber Glass Board Insulation.....	17.94	9.12
		<i>For Work In Restricted Working Space, Add</i>	4.68	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 07 HVAC Insulation****23 07 13 Duct Insulation**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 07 13 00-0024 Sheet Flexible Elastomeric Insulation <small>(23 07 13)</small>		
23 07 13 00-0025 SF 3/8" Thick Sheet Flexible Elastomeric Insulation	6.53	2.93
23 07 13 00-0026 SF 1/2" Thick Sheet Flexible Elastomeric Insulation	6.95	3.10
23 07 13 00-0027 SF 3/4" Thick Sheet Flexible Elastomeric Insulation	8.63	3.26
23 07 13 00-0028 SF 1" Thick Sheet Flexible Elastomeric Insulation	9.74	3.43
23 07 13 00-0029 SF 1-1/2" Thick Sheet Flexible Elastomeric Insulation	12.88	3.75
23 07 13 00-0030 SF 2" Thick Sheet Flexible Elastomeric Insulation	15.02	4.08
23 07 13 00-0031 Aluminum Foil/Mylar Film, Multi-Layer Sheet Elastomeric Insulation <small>(23 07 13)</small>		
Note: Jacketing is a 3-ply laminate consisting of a PVC core, 0.012" thick aluminum foil jacketing and UV-protective Mylar film.		
23 07 13 00-0032 SF 1/2" Thick, Aluminum Foil/Mylar Film, Multi-Layer Sheet Elastomeric Insulation	8.90	3.10
23 07 13 00-0033 SF 3/4" Thick, Aluminum Foil/Mylar Film, Multi-Layer Sheet Elastomeric Insulation	9.70	3.26
23 07 13 00-0034 SF 1" Thick, Aluminum Foil/Mylar Film, Multi-Layer Sheet Elastomeric Insulation	10.67	3.43
23 07 13 00-0035 SF 1-1/2" Thick, Aluminum Foil/Mylar Film, Multi-Layer Sheet Elastomeric Insulation	15.68	3.75
23 07 13 00-0036 SF 2" Thick, Aluminum Foil/Mylar Film, Multi-Layer Sheet Elastomeric Insulation	18.36	4.08
23 07 13 00-0037 Adhesive Backed, Aluminum Foil/Mylar Film, Multi-Layer Sheet Elastomeric Insulation <small>(23 07 13)</small>		
Note: Jacketing is a 3-ply laminate consisting of a PVC core, 0.012" thick aluminum foil jacketing and UV-protective Mylar film.		
23 07 13 00-0038 SF 1/2" Thick, Adhesive Backed, Aluminum Foil/Mylar Film, Multi-Layer Sheet Elastomeric Insulation	10.29	3.10
23 07 13 00-0039 SF 3/4" Thick, Adhesive Backed, Aluminum Foil/Mylar Film, Multi-Layer Sheet Elastomeric Insulation	11.09	3.26
23 07 13 00-0040 SF 1" Thick, Adhesive Backed, Aluminum Foil/Mylar Film, Multi-Layer Sheet Elastomeric Insulation	12.30	3.43
23 07 13 00-0041 SF 1-1/2" Thick, Adhesive Backed, Aluminum Foil/Mylar Film, Multi-Layer Sheet Elastomeric Insulation	17.29	3.75
23 07 16 HVAC Equipment Insulation <small>(23 07)</small>		
23 07 16 00-0001 Calcium Silicate Block Insulation <small>(23 07 16)</small>		
23 07 16 00-0002 SF 1" Calcium Silicate Block Insulation	15.70	6.79
For Work In Restricted Working Space, Add	4.07	
23 07 16 00-0003 SF 1-1/2" Calcium Silicate Block Insulation	18.46	7.63
For Work In Restricted Working Space, Add	4.58	
23 07 16 00-0004 SF 2" Calcium Silicate Block Insulation	21.93	8.80
For Work In Restricted Working Space, Add	5.30	
23 07 16 00-0005 SF 2-1/2" Calcium Silicate Block Insulation	26.01	10.33
For Work In Restricted Working Space, Add	6.20	
23 07 16 00-0006 SF 3" Calcium Silicate Block Insulation	31.84	12.72
For Work In Restricted Working Space, Add	7.63	
23 07 19 HVAC Piping Insulation <small>(23 07)</small>		
See CSI section 22 07 19 00-0000 for pipe insulation.		
23 07 19 00-0001 Calcium Silicate Pipe Insulation <small>(23 07 19)</small>		
Note: Includes adhesive. Excludes fittings (a location requiring purchase of an insulation fitting or cutting and fitting straight sections, excludes couplings, plugs, etc.). For fittings/valves up to 3" add 2 LF for each fitting/valve or 3 LF for each flanged/grooved joint. For fittings/valves >3" add 3 LF for each fitting/valve or 4 LF for each flanged/grooved joint. See CSI section 22 07 19 00-0508 for protective jacketing.		
23 07 19 00-0002 1" Thick Calcium Silicate Pipe Insulation <small>(23 07 19 00-0001)</small>		
23 07 19 00-0003 LF 1/2" Diameter Pipe, 1" Thick Calcium Silicate Insulation	11.84	3.57
For Work In Restricted Working Space, Add	2.68	
23 07 19 00-0004 LF 3/4" Diameter Pipe, 1" Thick Calcium Silicate Insulation	11.84	3.57
For Work In Restricted Working Space, Add	2.68	
23 07 19 00-0005 LF 1" Diameter Pipe, 1" Thick Calcium Silicate Insulation	11.85	3.62
For Work In Restricted Working Space, Add	2.72	
23 07 19 00-0006 LF 1-1/4" Diameter Pipe, 1" Thick Calcium Silicate Insulation	12.03	3.68
For Work In Restricted Working Space, Add	2.76	
23 07 19 00-0007 LF 1-1/2" Diameter Pipe, 1" Thick Calcium Silicate Insulation	12.18	3.73
For Work In Restricted Working Space, Add	2.80	
23 07 19 00-0008 LF 2" Diameter Pipe, 1" Thick Calcium Silicate Insulation	12.88	3.83
For Work In Restricted Working Space, Add	2.87	
23 07 19 00-0009 LF 2-1/2" Diameter Pipe, 1" Thick Calcium Silicate Insulation	13.45	3.98
For Work In Restricted Working Space, Add	2.99	
23 07 19 00-0010 LF 3" Diameter Pipe, 1" Thick Calcium Silicate Insulation	13.97	4.09
For Work In Restricted Working Space, Add	3.07	
23 07 19 00-0011 LF 4" Diameter Pipe, 1" Thick Calcium Silicate Insulation	15.69	4.40
For Work In Restricted Working Space, Add	3.30	
23 07 19 00-0012 LF 6" Diameter Pipe, 1" Thick Calcium Silicate Insulation	17.52	4.96
For Work In Restricted Working Space, Add	3.72	
23 07 19 00-0013 1-1/2" Thick Calcium Silicate Pipe Insulation <small>(23 07 19 00-0001)</small>		
23 07 19 00-0014 LF 1/2" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation	12.39	3.72
For Work In Restricted Working Space, Add	2.79	
23 07 19 00-0015 LF 3/4" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation	12.43	3.72
For Work In Restricted Working Space, Add	2.79	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 07 19 00-0016 LF 1" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	13.27 2.96	3.94
23 07 19 00-0017 LF 1-1/4" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	13.72 3.01	4.02
23 07 19 00-0018 LF 1-1/2" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	14.18 3.07	4.09
23 07 19 00-0019 LF 2" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	15.14 3.24	4.32
23 07 19 00-0020 LF 2-1/2" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	15.73 3.29	4.39
23 07 19 00-0021 LF 3" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	16.31 3.41	4.54
23 07 19 00-0022 LF 4" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	18.02 3.68	4.90
23 07 19 00-0023 LF 6" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	20.93 4.30	5.73
23 07 19 00-0024 LF 8" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	23.88 4.54	6.05
23 07 19 00-0025 LF 10" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	29.70 5.43	7.24
23 07 19 00-0026 LF 12" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	34.84 6.32	8.43
23 07 19 00-0027 LF 14" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	38.65 6.93	9.24
23 07 19 00-0028 LF 16" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	46.81 8.82	11.76
23 07 19 00-0029 LF 18" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	50.12 9.26	12.34
23 07 19 00-0030 2" Thick Calcium Silicate Pipe Insulation (23 07 19 00-0001)		
23 07 19 00-0031 LF 1/2" Diameter Pipe, 2" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	15.08 3.07	4.09
23 07 19 00-0032 LF 3/4" Diameter Pipe, 2" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	15.34 3.07	4.09
23 07 19 00-0033 LF 1" Diameter Pipe, 2" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	15.75 3.11	4.14
23 07 19 00-0034 LF 1-1/4" Diameter Pipe, 2" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	16.27 3.14	4.19
23 07 19 00-0035 LF 1-1/2" Diameter Pipe, 2" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	16.65 3.18	4.24
23 07 19 00-0036 LF 2" Diameter Pipe, 2" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	17.34 3.30	4.40
23 07 19 00-0037 LF 2-1/2" Diameter Pipe, 2" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	19.01 3.42	4.55
23 07 19 00-0038 LF 3" Diameter Pipe, 2" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	19.43 3.53	4.71
23 07 19 00-0039 LF 4" Diameter Pipe, 2" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	21.27 3.73	4.97
23 07 19 00-0040 LF 6" Diameter Pipe, 2" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	25.95 4.47	5.96
23 07 19 00-0041 LF 8" Diameter Pipe, 2" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	28.88 4.72	6.29
23 07 19 00-0042 LF 10" Diameter Pipe, 2" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	35.34 5.65	7.53
23 07 19 00-0043 LF 12" Diameter Pipe, 2" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	40.89 6.76	9.02
23 07 19 00-0044 LF 14" Diameter Pipe, 2" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	51.64 9.44	12.58
23 07 19 00-0045 LF 16" Diameter Pipe, 2" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	53.70 9.44	12.58
23 07 19 00-0046 LF 18" Diameter Pipe, 2" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	57.28 9.91	13.21
23 07 19 00-0047 LF 20" Diameter Pipe, 2" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	67.63 11.33	15.10
23 07 19 00-0048 LF 24" Diameter Pipe, 2" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	79.42 13.68	18.24
23 07 19 00-0049 2-1/2" Thick Calcium Silicate Pipe Insulation (23 07 19 00-0001)		
23 07 19 00-0050 LF 1/2" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	17.90 3.54	4.71
23 07 19 00-0051 LF 3/4" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	18.18 3.54	4.71
23 07 19 00-0052 LF 1" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	18.49 3.59	4.79
23 07 19 00-0053 LF 1-1/4" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	18.66 3.62	4.82
23 07 19 00-0054 LF 1-1/2" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	19.05 3.65	4.86
23 07 19 00-0055 LF 2" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	19.85 3.80	5.07
23 07 19 00-0056 LF 2-1/2" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	21.86 3.93	5.24

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 07 HVAC Insulation****23 07 19 HVAC Piping Insulation**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 07 19 00-0057 LF 3" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation	22.32	5.43
<i>For Work In Restricted Working Space, Add</i>	4.07	
23 07 19 00-0058 LF 4" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation	25.23	5.72
<i>For Work In Restricted Working Space, Add</i>	4.29	
23 07 19 00-0059 LF 6" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation	30.80	6.50
<i>For Work In Restricted Working Space, Add</i>	4.88	
23 07 19 00-0060 LF 8" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation	34.97	7.25
<i>For Work In Restricted Working Space, Add</i>	5.43	
23 07 19 00-0061 LF 10" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation	41.48	8.35
<i>For Work In Restricted Working Space, Add</i>	6.27	
23 07 19 00-0062 LF 12" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation	48.92	10.38
<i>For Work In Restricted Working Space, Add</i>	7.79	
23 07 19 00-0063 LF 14" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation	53.96	11.34
<i>For Work In Restricted Working Space, Add</i>	8.50	
23 07 19 00-0064 LF 16" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation	66.24	14.49
<i>For Work In Restricted Working Space, Add</i>	10.87	
23 07 19 00-0065 LF 18" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation	69.87	15.22
<i>For Work In Restricted Working Space, Add</i>	11.41	
23 07 19 00-0066 LF 20" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation	80.80	17.39
<i>For Work In Restricted Working Space, Add</i>	13.04	
23 07 19 00-0067 LF 24" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation	95.53	21.02
<i>For Work In Restricted Working Space, Add</i>	15.76	
23 07 19 00-0068 3" Thick Calcium Silicate Pipe Insulation (23 07 19 00-0001)		
23 07 19 00-0069 LF 1/2" Diameter Pipe, 3" Thick Calcium Silicate Insulation	21.86	5.22
<i>For Work In Restricted Working Space, Add</i>	3.92	
23 07 19 00-0070 LF 3/4" Diameter Pipe, 3" Thick Calcium Silicate Insulation	21.93	5.22
<i>For Work In Restricted Working Space, Add</i>	3.92	
23 07 19 00-0071 LF 1" Diameter Pipe, 3" Thick Calcium Silicate Insulation	22.13	5.28
<i>For Work In Restricted Working Space, Add</i>	3.96	
23 07 19 00-0072 LF 1-1/4" Diameter Pipe, 3" Thick Calcium Silicate Insulation	22.33	5.31
<i>For Work In Restricted Working Space, Add</i>	3.98	
23 07 19 00-0073 LF 1-1/2" Diameter Pipe, 3" Thick Calcium Silicate Insulation	22.55	5.37
<i>For Work In Restricted Working Space, Add</i>	4.02	
23 07 19 00-0074 LF 2" Diameter Pipe, 3" Thick Calcium Silicate Insulation	23.33	5.57
<i>For Work In Restricted Working Space, Add</i>	4.17	
23 07 19 00-0075 LF 2-1/2" Diameter Pipe, 3" Thick Calcium Silicate Insulation	25.48	5.76
<i>For Work In Restricted Working Space, Add</i>	4.32	
23 07 19 00-0076 LF 3" Diameter Pipe, 3" Thick Calcium Silicate Insulation	26.09	5.96
<i>For Work In Restricted Working Space, Add</i>	4.47	
23 07 19 00-0077 LF 4" Diameter Pipe, 3" Thick Calcium Silicate Insulation	30.02	6.29
<i>For Work In Restricted Working Space, Add</i>	4.72	
23 07 19 00-0078 LF 6" Diameter Pipe, 3" Thick Calcium Silicate Insulation	35.28	7.15
<i>For Work In Restricted Working Space, Add</i>	5.36	
23 07 19 00-0079 LF 8" Diameter Pipe, 3" Thick Calcium Silicate Insulation	40.65	7.96
<i>For Work In Restricted Working Space, Add</i>	5.97	
23 07 19 00-0080 LF 10" Diameter Pipe, 3" Thick Calcium Silicate Insulation	48.02	9.19
<i>For Work In Restricted Working Space, Add</i>	6.89	
23 07 19 00-0081 LF 12" Diameter Pipe, 3" Thick Calcium Silicate Insulation	56.26	11.43
<i>For Work In Restricted Working Space, Add</i>	8.57	
23 07 19 00-0082 LF 14" Diameter Pipe, 3" Thick Calcium Silicate Insulation	62.24	12.47
<i>For Work In Restricted Working Space, Add</i>	9.35	
23 07 19 00-0083 LF 16" Diameter Pipe, 3" Thick Calcium Silicate Insulation	74.16	15.94
<i>For Work In Restricted Working Space, Add</i>	11.95	
23 07 19 00-0084 LF 18" Diameter Pipe, 3" Thick Calcium Silicate Insulation	79.53	16.73
<i>For Work In Restricted Working Space, Add</i>	12.55	
23 07 19 00-0085 LF 20" Diameter Pipe, 3" Thick Calcium Silicate Insulation	92.66	19.14
<i>For Work In Restricted Working Space, Add</i>	14.35	
23 07 19 00-0086 LF 24" Diameter Pipe, 3" Thick Calcium Silicate Insulation	110.09	23.12
<i>For Work In Restricted Working Space, Add</i>	17.34	
23 07 19 00-0087 3-1/2" Thick Calcium Silicate Pipe Insulation (23 07 19 00-0001)		
23 07 19 00-0088 LF 1/2" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation	26.94	5.72
<i>For Work In Restricted Working Space, Add</i>	4.29	
23 07 19 00-0089 LF 3/4" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation	27.74	5.72
<i>For Work In Restricted Working Space, Add</i>	4.29	
23 07 19 00-0090 LF 1" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation	27.83	5.76
<i>For Work In Restricted Working Space, Add</i>	4.32	
23 07 19 00-0091 LF 1-1/4" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation	27.92	5.79
<i>For Work In Restricted Working Space, Add</i>	4.34	
23 07 19 00-0092 LF 1-1/2" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation	28.68	5.87
<i>For Work In Restricted Working Space, Add</i>	4.40	
23 07 19 00-0093 LF 2" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation	30.28	6.06
<i>For Work In Restricted Working Space, Add</i>	4.55	
23 07 19 00-0094 LF 2-1/2" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation	32.59	6.28
<i>For Work In Restricted Working Space, Add</i>	4.71	
23 07 19 00-0095 LF 3" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation	33.74	6.50
<i>For Work In Restricted Working Space, Add</i>	4.88	
23 07 19 00-0096 LF 4" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation	37.90	6.87
<i>For Work In Restricted Working Space, Add</i>	5.15	
23 07 19 00-0097 LF 6" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation	42.42	7.80
<i>For Work In Restricted Working Space, Add</i>	5.85	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 07 19 00-0098 LF 8" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	50.86 6.52	8.68
23 07 19 00-0099 LF 10" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	61.28 7.52	10.03
23 07 19 00-0100 LF 12" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	74.51 9.35	12.46
23 07 19 00-0101 LF 14" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	78.96 10.20	13.61
23 07 19 00-0102 LF 16" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	93.58 13.04	17.39
23 07 19 00-0103 LF 18" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	105.81 13.70	18.26
23 07 19 00-0104 LF 20" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	115.35 15.66	20.89
23 07 19 00-0105 4" Thick Calcium Silicate Pipe Insulation (23 07 19 00-0001)		
23 07 19 00-0106 LF 1/2" Diameter Pipe, 4" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	32.86 4.76	6.35
23 07 19 00-0107 LF 3/4" Diameter Pipe, 4" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	32.88 4.76	6.35
23 07 19 00-0108 LF 1" Diameter Pipe, 4" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	33.15 4.85	6.46
23 07 19 00-0109 LF 1-1/4" Diameter Pipe, 4" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	33.96 4.90	6.53
23 07 19 00-0110 LF 1-1/2" Diameter Pipe, 4" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	35.80 5.06	6.74
23 07 19 00-0111 LF 2" Diameter Pipe, 4" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	36.60 5.21	6.95
23 07 19 00-0112 LF 2-1/2" Diameter Pipe, 4" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	39.45 5.30	7.06
23 07 19 00-0113 LF 3" Diameter Pipe, 4" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	40.64 5.49	7.32
23 07 19 00-0114 LF 4" Diameter Pipe, 4" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	45.56 5.79	7.73
23 07 19 00-0115 LF 6" Diameter Pipe, 4" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	52.53 6.57	8.76
23 07 19 00-0116 LF 8" Diameter Pipe, 4" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	61.93 7.33	9.77
23 07 19 00-0117 LF 10" Diameter Pipe, 4" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	71.34 8.47	11.29
23 07 19 00-0118 LF 12" Diameter Pipe, 4" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	82.40 10.52	14.02
23 07 19 00-0119 LF 14" Diameter Pipe, 4" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	88.04 11.49	15.32
23 07 19 00-0120 LF 16" Diameter Pipe, 4" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	105.68 14.69	19.58
23 07 19 00-0121 LF 18" Diameter Pipe, 4" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	112.10 15.39	20.52
23 07 19 00-0122 LF 20" Diameter Pipe, 4" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	124.82 17.62	23.49
23 07 19 00-0123 Weather-Protective Coating For Calcium Silicate Pipe Insulation (23 07 19 00-0001)		
23 07 19 00-0124 SF 1/4" Thick (Two 1/8" Coats), Weatherproof Coating Over Glass Cloth Mesh (Insulkote ET) <i>For Work In Restricted Working Space, Add</i>	4.55 1.01	

23 08 Commissioning Of HVAC (23)
See CSI section 23 05 93 00-0000 for testing and balancing.

23 09 Instrumentation And Control For HVAC (23)

23 09 13 Instrumentation And Control Devices For HVAC (23 09)

23 09 13 56 Pneumatic Tubing (23 09 13)

23 09 13 56-0001 Polyurethane Pneumatic Tubing (23 09 13 56)

23 09 13 56-0002 LF 1/4" Outside Diameter x 1/32" Thick Wall Polyurethane Pneumatic Tubing	2.12	0.91
23 09 13 56-0003 LF 5/32" Outside Diameter x 1/16" Thick Wall Polyurethane Pneumatic Tubing	2.48	0.94
23 09 13 56-0004 LF 3/8" Outside Diameter x 1/16" Thick Wall Polyurethane Pneumatic Tubing	3.01	0.97
23 09 13 56-0005 LF 1/2" Outside Diameter x 1/16" Thick Wall Polyurethane Pneumatic Tubing	3.61	1.00

23 09 13 56-0006 Fire Resistant Polyethylene Pneumatic Tubing (23 09 13 56)

23 09 13 56-0007 LF 1/4" Outside Diameter x .040" Thick Wall Fire Resistant Polyethylene Pneumatic Tubing	1.98	0.91
23 09 13 56-0008 LF 5/32" Outside Diameter x .030" Thick Wall Fire Resistant Polyethylene Pneumatic Tubing	2.09	0.94
23 09 13 56-0009 LF 3/8" Outside Diameter x .062" Thick Wall Fire Resistant Polyethylene Pneumatic Tubing	2.30	0.97
23 09 13 56-0010 LF 1/2" Outside Diameter x .062" Thick Wall Fire Resistant Polyethylene Pneumatic Tubing	2.67	1.00

23 09 13 56-0011 Nylon Pneumatic Tubing (23 09 13 56)

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 09 Instrumentation And Control For HVAC****23 09 13 Instrumentation And Control Devices For HVAC**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 13 56-0012 LF 1/8" Outside Diameter x .016" Thick Wall Nylon Pneumatic Tubing	2.16	0.89
23 09 13 56-0013 LF 1/4" Outside Diameter x .035" Thick Wall Nylon Pneumatic Tubing	2.63	0.91
23 09 13 56-0014 LF 3/8" Outside Diameter x .050" Thick Wall Nylon Pneumatic Tubing	3.59	0.97
23 09 13 56-0015 LF 1/2" Outside Diameter x .062" Thick Wall Nylon Pneumatic Tubing	4.38	1.00
23 09 13 56-0016 Flexible Vinyl Pneumatic Tubing (23 09 13 56)		
23 09 13 56-0017 LF 1/4" Outside Diameter Flexible Vinyl Pneumatic Tubing	2.16	0.91
23 09 13 56-0018 LF 3/8" Outside Diameter Flexible Vinyl Pneumatic Tubing	3.03	0.97
23 09 13 56-0019 LF 1/2" Outside Diameter Flexible Vinyl Pneumatic Tubing	3.49	1.00
23 09 13 56-0020 LF 5/8" Outside Diameter Flexible Vinyl Pneumatic Tubing	4.07	1.04
23 09 13 56-0021 LF 3/4" Outside Diameter Flexible Vinyl Pneumatic Tubing	4.51	1.06
23 09 13 56-0022 LF 1" Outside Diameter Flexible Vinyl Pneumatic Tubing	5.83	1.09
23 09 13 56-0023 Braided Vinyl Pneumatic Tubing (23 09 13 56)		
23 09 13 56-0024 LF 5/8" Outside Diameter Braided Vinyl Pneumatic Tubing	2.73	1.04
23 09 13 56-0025 LF 3/4" Outside Diameter Braided Vinyl Pneumatic Tubing	3.05	1.06
23 09 13 56-0026 LF 1" Outside Diameter Braided Vinyl Pneumatic Tubing	3.59	1.09
23 09 13 56-0027 Copper Pneumatic Tubing (23 09 13 56)		
23 09 13 56-0028 LF 1/4" Outside Diameter Copper Pneumatic Tubing	5.21	1.99
23 09 13 56-0029 LF 3/8" Outside Diameter Copper Pneumatic Tubing	5.93	2.28
23 09 13 56-0030 LF 1/2" Outside Diameter Copper Pneumatic Tubing	7.26	2.63
23 09 13 56-0031 LF 5/8" Outside Diameter Copper Pneumatic Tubing	8.59	3.03
23 09 13 56-0032 LF 3/4" Outside Diameter Copper Pneumatic Tubing	10.32	3.48
23 09 13 56-0033 Brass Couplings (23 09 13 56)		
See CSI section 22 11 16 00-0345 for copper tubing.		
23 09 13 56-0034 Straight Brass Couplings (23 09 13 56-0033)		
Note: Barb x Barb		
23 09 13 56-0035 EA 1/4" x 1/4" Straight Brass Coupling	10.34	5.01
23 09 13 56-0036 EA 3/8" x 1/4" Straight Brass Coupling	10.39	5.01
23 09 13 56-0037 EA 3/8" x 3/8" Straight Brass Coupling	10.44	5.01
23 09 13 56-0038 Elbow Brass Couplings (23 09 13 56-0033)		
Note: Barb x Barb		
23 09 13 56-0039 EA 1/4" x 1/4" Elbow Brass Coupling	10.62	5.01
23 09 13 56-0040 EA 3/8" x 3/8" Elbow Brass Coupling	10.79	5.01
23 09 13 56-0041 Tee Brass Couplings (23 09 13 56-0033)		
Note: Barb x Barb		
23 09 13 56-0042 EA 1/4" x 1/4" x 1/4" Tee Brass Coupling	16.38	7.80
23 09 13 56-0043 EA 3/8" x 3/8" x 1/4" Tee Brass Coupling	18.09	8.36
23 09 13 56-0044 EA 3/8" x 3/8" x 3/8" Tee Brass Coupling	17.91	8.36
23 09 23 Direct-Digital Control System For HVAC (23 09)		
23 09 23 00-0001 EMCS General Costs (23 09 23)		
23 09 23 00-0002 EMCS System Design Engineering (23 09 23 00-0001)		
Note: Hourly labor rates are used for engineering projects only. Not used in conjunction with construction tasks.		
23 09 23 00-0003 HR EMCS Site Inspection Of Existing Facilities	257.14	
23 09 23 00-0004 HR EMCS Engineering Project Management	257.14	
23 09 23 00-0005 HR EMCS System Engineering, Schematic Design And Layout	272.73	
23 09 23 00-0006 HR EMCS System Software Programming And Graphics Programming	272.73	
23 09 23 00-0007 HR EMCS Graphics Picture Creation	175.37	
23 09 23 00-0008 HR EMCS System Controls Training	257.14	
23 09 23 00-0009 HR EMCS On Site System Diagnostics Field Technician	257.14	
23 09 23 00-0010 HR EMCS Remote Technical Support Using Phone Or Internet	214.34	
23 09 23 00-0011 HR EMCS Travel Time (All Personnel)	222.13	
23 09 23 00-0012 Post Warranty Field Tests, Checkout And Commissioning (23 09 23 00-0001)		
Note: Tasks used for building commissioning of other contractors' work or post warranty service work. A point is defined as any transmitter, switch, actuator, sensor or device (starter, VFD, controller, fan, electric coil, actuator, valve, etc.) that is monitored or controlled by the EMCS system. Most devices count as 1 point. Actuators, valves and thermostats count as 2 points.		
23 09 23 00-0013 PNT EMCS Field Test	136.41	
Note: Priced per point. Task used after warranty period only.		
23 09 23 00-0014 PNT EMCS Field Checkout And Startup	136.41	
Note: Priced per point. Task used after warranty period only.		
23 09 23 00-0015 PNT EMCS Field Commissioning	136.41	
Note: Priced per point. Used when the owner requires an independent commissioning firm.		
23 09 23 00-0016 EA EMCS Field Balance Support	116.88	
Note: Priced per controller. Task used after warranty period only.		



	MINOR	CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 00-0017		EMCS System Engineering/Submittal Design And Layout <small>(23 09 23 00-0001)</small> Note: A point is defined as any transmitter, switch, actuator, sensor or device (starter, VFD, controller, fan, electric coil, actuator, valve, etc.) that is monitored or controlled by the EMCS system. Most devices count as 1 point. Actuators, valves and thermostats count as 2 points.		
23 09 23 00-0018	PNT	EMCS System Engineering/Submittal Design And Layout Note: Priced per point.	45.51	
23 09 23 00-0019		Install EMCS Field Devices And Controllers (Labor Only) <small>(23 09 23 00-0001)</small> Note: This section is used when equipment or devices are supplied by others, usually in a maintenance or trouble shooting situation. Excludes cable or conduit between panel and device.		
23 09 23 00-0020	EA	Mount An AHU Control Enclosure On Block, Masonry Or Gypsum Wall	235.74	38.96
23 09 23 00-0021	EA	Install AHU Power Supply In A Control Enclosure	171.43	77.92
23 09 23 00-0022	EA	Install Metal Box And Conduit Stub-Up For Sensor In Masonry Wall	235.74	38.96
23 09 23 00-0023	EA	Install And Wire Room Sensor	64.31	38.96
23 09 23 00-0024	EA	Install And Wire Duct Sensor	85.72	38.96
23 09 23 00-0025	EA	Install And Wire AHU Averaging Sensor	278.54	194.80
23 09 23 00-0026	EA	Install And Wire AHU Humidity Sensor	150.03	58.49
23 09 23 00-0027	EA	Install And Wire AHU CO2 Sensor	214.34	58.49
23 09 23 00-0028	EA	Install And Wire Fan Or Filter DP Switch	214.34	58.49
23 09 23 00-0029	EA	Install And Wire Float Switch	171.43	38.96
23 09 23 00-0030	EA	Install And Wire Freezestat	278.54	194.80
23 09 23 00-0031	EA	Install And Wire Duct Static Pressure Sensor	150.03	77.92
23 09 23 00-0032	EA	Install And Wire Duct High Static Sensor	85.72	38.96
23 09 23 00-0033	EA	Install And Wire Emergency Stop Switch For AHU Or Other Equipment	85.72	38.96
23 09 23 00-0034	EA	Install And Wire Emergency Stop Switch For AHU	257.14	77.92
23 09 23 00-0035	EA	Install And Wire AHU Connection To Starter	257.14	194.80
23 09 23 00-0036	EA	Install And Wire Connection To VFD	471.48	194.80
23 09 23 00-0037	EA	Install And Wire AHU Valve Actuator	128.62	38.96
23 09 23 00-0038	EA	Install And Wire AHU Damper Actuator	257.14	77.92
23 09 23 00-0039	EA	Install And Wire AHU Smoke Detector Or Fire Alarm Relay	150.03	58.49
23 09 23 00-0040	EA	Install And Wire AHU Electropneumatic Transducer	107.11	38.96
23 09 23 00-0041	EA	Install And Wire Electric Heat Or Sequencer	257.14	77.92
23 09 23 00-0042	EA	Install And Wire Connection To Outdoor Compressor	600.00	58.49
23 09 23 00-0043	EA	Install And Wire AHU Magnahelic	214.34	38.96
23 09 23 00-0044	EA	Install And Wire AHU Wireway For Control Enclosure	257.14	77.92
23 09 23 00-0045	EA	Wire And Assemble AHU Control Enclosure	471.48	
		Note: Includes installing all panel devices for a medium size panel.		
23 09 23 00-0046	EA	Field Install And Wire VAV Controller	171.43	77.92
		Note: Use when VAV box is previously installed.		
23 09 23 00-0047	EA	Shop Install And Wire VAV Controller	150.03	
23 09 23 00-0048	EA	Install And Wire VAV Power Supply	64.31	38.96
23 09 23 00-0049	EA	Wire VAV Fan In Parallel Or Series Fan Box	85.72	38.96
23 09 23 00-0050	EA	Install And Wire Fan Coil Unit Controller	428.57	116.88
23 09 23 00-0051	EA	Mount Fan Coil Unit, Heat Pump, Or Unit Ventilator Controller	128.62	
23 09 23 00-0052	EA	Install And Wire Central Plant Controller	600.00	350.65
		Note: For programmable DDC controller.		
23 09 23 00-0053	EA	Mount Central Plant Enclosure For DDC Control Enclosure	235.74	38.96
		Note: For programmable DDC controller.		
23 09 23 00-0054	EA	Install Central Plant Power Supply For DDC Programmable Controller	171.43	77.92
23 09 23 00-0055	EA	Install Central Plant Wireway For Programmable Controller	257.14	77.92
23 09 23 00-0056	EA	Install And Wire Chiller Controls For Enable And Setpoint Controls	514.29	116.88
23 09 23 00-0057	EA	Install And Wire Chiller Flow Switch	514.29	233.77
23 09 23 00-0058	EA	Install And Wire Chiller DP Transmitter	1,928.63	116.88
		Note: Includes installing copper tubing connection to water piping.		
23 09 23 00-0059	EA	Install And Wire Boiler Controls For Enable And Alarm	385.77	116.88
23 09 23 00-0060	EA	Install And Wire Boiler Safeties	385.77	116.88
		Note: For high water, low water and flame safeguard.		
23 09 23 00-0061	EA	Install Boiler Control Panel Enclosure On Block, Masonry Or Gypsum Wall	857.14	487.06
23 09 23 00-0062	EA	Wire And Terminate Combustion Air Damper	1,071.49	77.92
23 09 23 00-0063	EA	Wire Oil Tank Interlock For Oil Boiler	535.69	77.92
23 09 23 00-0064	EA	Install And Wire Boiler Emergency Stop Switch	1,071.49	233.77
23 09 23 00-0065	EA	Wire And Terminate Temperature Well Sensor	107.11	58.49
		Note: Excludes well.		
23 09 23 00-0066	EA	Install And Wire Strap On Sensor	257.14	58.49
23 09 23 00-0067	EA	Install And Wire CO2 Sensor For Room Or Space	214.34	58.49
		Note: Excludes stub-up.		
23 09 23 00-0068	EA	Install And Wire Valve Actuator	214.34	155.84
23 09 23 00-0069	EA	Install And Wire Outside Air Temperature Sensor	385.77	116.88
23 09 23 00-0070	EA	Install And Wire Outside Air Humidity Sensor	192.83	116.88
23 09 23 00-0071	EA	Install And Wire Flow Sensor	471.48	233.77
23 09 23 00-0072	EA	Install And Wire Pressure Sensor For Pump Or Building	471.48	233.77
23 09 23 00-0073	EA	Install And Wire Pump Starter	257.14	58.49
23 09 23 00-0074	EA	Install And Wire Pump VFD	471.48	116.88
23 09 23 00-0075	EA	Install And Wire Pump DP Switch	642.91	233.77
		Note: Includes installing copper tubing connection to water piping.		
23 09 23 00-0076	EA	Install And Wire System DP Transmitter	2,142.96	233.77
		Note: Includes installing copper tubing connection to water piping and wiring remote transmitter.		
23 09 23 00-0077	EA	Mount Starter Sized Up To 100 HP	171.43	116.88
23 09 23 00-0078	EA	Mount VFD Sized Up To 100 HP	428.57	389.61

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 09 Instrumentation And Control For HVAC****23 09 23 Direct-Digital Control System For HVAC**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 00-0079 EA Install And Wire Cooling Tower Control Enclosure	771.43	233.77
23 09 23 00-0080 EA Install And Wire Vibration Switch For Cooling Tower.....	471.48	233.77
23 09 23 00-0081 EA Install And Wire Cooling Tower Basin Heater	257.14	233.77
23 09 23 00-0082 EA Install And Wire Basin Water Temperature Switch	257.14	116.88
23 09 23 00-0083 EA Install And Wire Cooling Tower Make-Up Water Valve.....	257.14	233.77
23 09 23 00-0084 EA Install And Wire Cooling Tower Make-Up Water Valve.....	257.14	233.77
23 09 23 00-0085 EA Install And Wire Refrigerant Monitor Panel	1,285.82	487.06
23 09 23 00-0086 EA Install And Wire Break Glass Switch.....	257.14	116.88
23 09 23 00-0087 EA Install And Wire Horn/Strobe For Refrigerant Monitor.....	192.83	77.92
23 09 23 00-0088 EA Install And Wire Damper Actuator.....	257.14	77.92
23 09 23 00-0089 EA Install And Wire Chemical Feed System.....	2,142.96	487.06
23 09 23 00-0090 EA Wire And Assemble Control Enclosure	514.29	
Note: Includes installing all panel devices in large size panel.		
23 09 23 00-0091 EA Install And Wire Exhaust Fan DDC Control	535.69	97.45
Note: Start or stop and status.		
23 09 23 00-0092 EA Install And Wire Exhaust Fan Thermostat Control	171.43	58.49
23 09 23 00-0093 EA Wire Lighting Contactor (Contactor Installed By Others)	535.69	77.92
23 09 23 00-0094 EA Wire And Terminate Unit Heater.....	171.43	58.49
23 09 23 00-0095 EA Wire Domestic Water Heater For Enable Or Disable	535.69	77.92
23 09 23 00-0096 EA Wire And Install Current Transformer KWH Meter (With Power Off).....	1,714.39	467.53
23 09 23 00-0097 EA Wire Water Meter (Meter Installed By Others)	1,714.39	116.88
23 09 23 00-0098 EA Wire Gas Meter (Meter Installed By Others)	1,714.39	116.88
23 09 23 00-0099 EA Install Wireless Receiver And Wire To DDC Controls.....	214.34	77.92
23 09 23 00-0100 EA Install Wireless Sensor	42.91	19.53
23 09 23 00-0101 EA Wire Split System AC Thermostat.....	857.14	58.49
23 09 23 00-0102 EA Wire Sump Pump Monitor Status Switch	642.91	116.88
23 09 23 00-0103 EA Install Locking Cover/Wire Guard For Thermostat Or Wall Temperature Sensor	31.17	15.59
23 09 23 00-0104 EA Install And Wire Combination Outside Air Temperature/Outside Air Humidity Sensor.....	578.60	233.77

23 09 23 00-0105 Honeywell Controls (23 09 23)**23 09 23 00-0106 EMCS Central Equipment And Controllers (23 09 23 00-0105)****23 09 23 00-0107 EMCS Network Area Controllers (BACnet Or Lon) (23 09 23 00-0106)**

Note: Includes loading software, software license, loading data base and mounting on wall.

23 09 23 00-0108 EA Network Area Java Controller Supporting 126 Devices (Honeywell WC2003B2004)	7,612.77	506.49
Note: Includes 128 MB RAM / 32 MB Flash, 10/100 MB ethernet port, 1 minimum RS-232 serial ports, 1 minimum RS-485 electrically isolated ports, 1 LonWorks port (supports 126 devices), and web user interface software.		
23 09 23 00-0109 EA Network Area Java Controller Supporting 27 Devices (Honeywell WC2003B1022)	5,599.60	506.49
Note: Includes 128 MB RAM / 32 MB Flash, 10/100 MB ethernet port, 1 RS-232 port, 1 RS-485 port, 1 LonWorks port with driver, Lon tunnel service, BACnet driver, wind river VxWorks OS with Jeode java virtual machine, Niagara control engine and web user interface software (supports 27 device).		
23 09 23 00-0110 EA Network Area Java Controller Supporting 10 Devices (Honeywell WEB-201)	4,579.04	506.49
Note: Includes 128 MB RAM / 64 MB Flash, 2 10/100 MB ethernet ports, 1 RS-232 serial port, 1 RS-485 serial port, NDIO port, 2 communication card option slots, BACnet IP Client, and BACnet MS/TP. Supports up to 10 devices.		
23 09 23 00-0111 EA Network Area Java Controller Supporting 10 Devices (Honeywell WEB-201-EZ)	5,391.17	506.49
Note: Includes 128 MB RAM / 64 MB Flash, 2 10/100 Mb ethernet ports, 1 RS-232 serial port, 1 RS-485 serial port, NDIO port, 2 communication card option slots, BACnet IP Client, and BACnet MS/TP. Includes WEB user interface and Enterprise connectivity pack.		
23 09 23 00-0112 EA Niagara Network Area Java Controller Supporting 10 Devices (Honeywell WEB-201-LN).....	4,551.08	506.49
Note: Includes 128 MB RAM / 64 MB Flash, 2 10/100 Mb ethernet ports, factory installed LON card, NDIO port and MODBus TCP driver. Excludes RS232 and RS485 communications. Includes Niagara network ethernet communication between stations.		
23 09 23 00-0113 EA Web UI Network Area Java Controller Supporting 10 Devices (Honeywell WEB-201-LU)	4,551.08	506.49
Note: Includes 128 MB RAM / 64 MB Flash, 2 10/100 Mb ethernet ports, factory installed LON card, NDIO port and MODBus TCP driver. Excludes RS232 and RS485.		
23 09 23 00-0114 EA 16 Point BACnet IP Network Area Java Controller (Honeywell WEB-216-B).....	4,831.95	506.49
Note: Includes 16 IO point equipment controller consisting of a controller, one IO-16 module and BACnet IP client communications. Includes 64 MB RAM / 64 MB Flash, 2 10/100 MB ethernet ports, NDIO port and 2 communication card option slots. Excludes RS232 and RS485. The LON card is not an option on this controller.		
23 09 23 00-0115 EA 16 Point Web UI And BACnet IP Network Area Java Controller (Honeywell WEB-216-BU).....	5,126.81	506.49
Note: Includes 16 IO point equipment controller consisting of a controller, one IO-16 module and BACnet IP client communications. Includes 64 MB RAM / 64 MB Flash, 2 10/100 MB ethernet ports, NDIO port and 2 communication card option slots. Excludes RS232 and RS485. The LON card is not an option on this controller.		
23 09 23 00-0116 EA 16 Point Niagara Network Area Java Controller (Honeywell WEB-216-N).....	4,831.95	506.49
Note: Includes 16 IO point equipment controller consisting of a controller, one IO-16 module and BACnet IP client communications. Includes 64 MB RAM / 64 MB Flash, 2 10/100 MB ethernet ports, NDIO port and 2 communication card option slots. Excludes RS232 and RS485. The LON card is not an option on this controller.		
23 09 23 00-0117 EA 16 Point Web UI And Niagara Network Area Java Controller (Honeywell WEB-216-NU).....	5,126.81	506.49
Note: Includes 16 IO point equipment controller consisting of a controller, one IO-16 module and BACnet IP client communications. Includes 64 MB RAM / 64 MB Flash, 2 10/100 MB ethernet ports, NDIO port and 2 communication card option slots. Excludes RS232 and RS485. The LON card is not an option on this controller.		
23 09 23 00-0118 EA 34 Point BACnet IP Network Area Java Controller (Honeywell WEB-234-B).....	5,129.35	506.49
Note: Includes 34 IO point equipment controller consisting of a controller, one IO-16 module and BACnet IP client communications. Includes 64 MB RAM / 64 MB Flash, 2 10/100 MB ethernet ports, NDIO port and 2 communication card option slots. Excludes RS232 and RS485. The LON card is not an option on this controller.		
23 09 23 00-0119 EA 34 Point Web UI And BACnet IP Network Area Java Controller (Honeywell WEB-234-BU).....	5,424.21	506.49
Note: Includes 34 IO point equipment controller consisting of a controller, one IO-16 module and BACnet IP client communications. Includes 64 MB RAM / 64 MB Flash, 2 10/100 MB ethernet ports, NDIO port and 2 communication card option slots. Excludes RS232 and RS485. The LON card is not an option on this.		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 00-0120 EA 34 Point Niagara Network Area Java Controller (Honeywell WEB-216-N) Note: Includes 34 IO point equipment controller consisting of a controller, one IO-16 module and BACnet IP client communications. Includes 64 MB RAM / 64 MB Flash, 2 10/100 MB ethernet ports, NDI0 port and 2 communication card option slots. Excludes RS232 and RS485. The LON card is not an option on this controller.	5,129.35	506.49
23 09 23 00-0121 EA 34 Point Web UI and Niagara Network Area Java Controller (Honeywell WEB-216-NU) Note: Includes 34 IO point equipment controller consisting of a controller, one IO-16 module and BACnet IP client communications. Includes 64 MB RAM / 64 MB Flash, 2 10/100 MB ethernet ports, NDI0 port and 2 communication card option slots. Excludes RS232 and RS485. The LON card is not an option on this.	5,424.21	506.49
23 09 23 00-0122 EA Network Area Java Controller Supporting 27 Devices (Controller Only) (Honeywell WEB-403-AX) Note: Includes 128 MB RAM / 32 MB Flash, 10/100 MB ethernet port, 1 RS-485 port, 1 RS-232 port, 1 LonWorks FTT 10 port, 6 universal inputs (analog or contact/pulse input), 4 form C (SPDT) relay outputs. Excludes UI service and Enterprise connectivity service.	5,377.19	506.49
23 09 23 00-0123 EA Unrestricted Network Area Java Controller Supporting 27 Devices (Controller Only) Note: Unrestricted limit on connected devices. Includes 128 MB RAM / 32 MB Flash, 10/100 MB ethernet port, 1 RS-485 port, 1 RS-232 port, 1 LonWorks FTT 10 port, 6 universal inputs (analog or contact/pulse input), 4 form C (SPDT) relay outputs. Excludes UI service and Enterprise connectivity service. Honeywell WEB-403-EXP-AX. As with other WEBs controllers, capacity is limited by the characteristics of the application including size and complexity.	6,362.17	506.49
23 09 23 00-0124 EA Easy Pack Network Area Java Controller Supporting 27 Devices (Honeywell WEB-403-EZ) Note: Includes controller plus User Interface Station Pack and Enterprise Connectivity Station Pack bundled as an "easy-order" bundle. Includes 128 MB RAM / 32 MB Flash, 10/100 MB ethernet port, 1 RS-485 port, 1 RS-232 port, 1 LonWorks FTT 10 port, 6 universal inputs (analog or contact/pulse input), 4 form C (SPDT) relay outputs. Excludes UI service and Enterprise connectivity service.	6,665.92	506.49
23 09 23 00-0125 EA Expanded Easy Pack Network Area Java Controller Supporting 27 Devices (Honeywell WEB-403-EXP-EZ) Note: Unrestricted limit on connected devices. Includes controller plus User Interface Station Pack and Enterprise Connectivity Station Pack bundled as an "easy-order" bundle. Includes 128 MB RAM / 32 MB Flash, 10/100 MB ethernet port, 1 RS-485 port, 1 RS-232 port, 1 LonWorks FTT 10 port, 6 universal inputs (analog or contact/pulse input), 4 form C (SPDT) relay outputs. Excludes UI service and Enterprise connectivity service. As with other WEBs controllers, capacity is limited by the characteristics of the application including size and complexity.	7,650.90	506.49
23 09 23 00-0126 EA Network Area Java Controller Supporting 124 Devices (Controller Only) (Honeywell WEB-545-AX) Note: Includes 128 MB RAM / 32 MB Flash, 10/100 MB ethernet port, 4 RS-485 port, 2 RS-232 port, 1 LonWorks port. As with other WEBs controllers, capacity is limited by the characteristics of the application. Unit is supplied with a steel, wall mountable enclosure, and 120 volt power supply. Excludes UI service and Enterprise connectivity service.	6,679.90	506.49
23 09 23 00-0127 EA Easy Pack Network Area Java Controller Supporting 124 Devices (Honeywell WEB-545-EZ) Note: Includes 128 MB RAM / 32 MB Flash, 10/100 MB ethernet port, 4 RS-485 port, 2 RS-232 port, 1 LonWorks port. As with other JACEs, capacity is limited by the characteristics of the application. Unit is supplied with a steel, wall mountable enclosure, and 120 volt power supply. Includes WEB-545-AX plus User Interface Station Pack (UI-SP-5XX) and Enterprise Connectivity Station Pack (EC-SP-5XX) bundled as an "easy-order" bundle.	8,557.08	506.49
23 09 23 00-0128 EMCS Network Interfaces <small>(23 09 23 00-0106)</small> Note: Includes installation, start-up and tech labor.		
23 09 23 00-0129 EA Serial LonTalk Adapter For LonWorks Bus And A PC (Honeywell Q7760A2001) Note: For desktop computer.	1,012.69	140.26
23 09 23 00-0130 EA Serial LonTalk Card For LonWorks Bus And A PC (Honeywell Q7752B2009) Note: For laptop computer.	876.06	93.51
23 09 23 00-0131 EA FTT-10 To FTT-10 Router (Honeywell Q7751A2010)	1,135.92	175.37
23 09 23 00-0132 EA 4FTT-10 To TP/FTT-1250 Multi Port Router (Honeywell Q7751J2002)	1,664.00	253.30
23 09 23 00-0133 EA Two Way Lon Repeater (Honeywell Q7740A1008)	928.12	253.30
23 09 23 00-0134 EA FTT Termination Module For Network Bus (Honeywell 209541B)	79.46	31.17
23 09 23 00-0135 DDC Application Specific Controller Assemblies <small>(23 09 23 00-0106)</small> Note: Includes submittal generation, installation, field test, checkout and start-up. Includes control enclosure, transformer, terminal strip and ancillary devices. (For example, fan coil unit include valves, actuators with controller and thermostat; VAVs include controller, thermostat and hot water valve if VAV has reheat coil). Excludes graphics and database generation. Excludes discharge air sensor.		
23 09 23 00-0136 EA Up To 10 Factory Installed Cooling Only Or Electric Reheat VAV Or FPB Controller Assemblies	1,826.92	724.68
23 09 23 00-0137 EA >10 Factory Installed Cooling Only Or Electric Reheat VAV Or FPB Controller Assemblies	1,437.31	429.09
23 09 23 00-0138 EA Up To 10 Field Installed Cooling Only Or Electric Reheat VAV Or FPB Controller Assemblies	1,990.56	724.68
23 09 23 00-0139 EA >10 Field Installed Cooling Only Or Electric Reheat VAV Or FPB Controller Assemblies	1,600.95	471.68
23 09 23 00-0140 EA Up To 10 Factory Installed Steam Or Hot Water Heating VAV Or FPB Controller Assemblies	2,174.14	806.54
23 09 23 00-0141 EA >10 Factory Installed Steam Or Hot Water Heating VAV Or FPB Controller Assemblies	1,881.88	604.68
23 09 23 00-0142 EA Up To 10 Field Installed Steam Or Hot Water Heating VAV Or FPB Controller Assemblies	2,746.81	806.54
23 09 23 00-0143 EA >10 Field Installed Steam Or Hot Water Heating VAV Or FPB Controller Assemblies	2,337.78	617.15
23 09 23 00-0144 EA Up To 10 Factory Installed Application Specific Heat Pump Or Gas Heat With DX Cooling Controller Assemblies	1,659.38	806.54
23 09 23 00-0145 EA >10 Factory Installed Application Specific Heat Pump Or Gas Heat With DX Cooling Controller Assemblies	1,269.77	476.88
23 09 23 00-0146 EA Up To 10 Field Installed Application Specific Heat Pump Or Gas Heat With DX Cooling Controller Assemblies	1,873.73	806.54
23 09 23 00-0147 EA >10 Field Installed Application Specific Heat Pump Or Gas Heat With DX Cooling Controller Assemblies	1,484.01	537.15
23 09 23 00-0148 EA Up To 10 Factory Installed Application Specific Fan Coil Unit Controller Assemblies	2,097.85	806.54
23 09 23 00-0149 EA >10 Factory Installed Application Specific Fan Coil Unit Controller Assemblies	1,700.45	475.85
23 09 23 00-0150 EA Up To 10 Field Installed Application Specific Fan Coil Unit Controller Assemblies	2,312.19	806.54
23 09 23 00-0151 EA >10 Field Installed Application Specific Fan Coil Unit Controller Assemblies	1,914.68	536.10
23 09 23 00-0152 EA Up To 10 Factory Installed Application Specific Unit Ventilator Controller Assemblies	2,556.63	806.54
23 09 23 00-0153 EA >10 Factory Installed Application Specific Unit Ventilator Controller Assemblies	2,202.14	515.33
23 09 23 00-0154 EA Up To 10 Field Installed Application Specific Unit Ventilator Controller Assemblies	2,985.31	806.54
23 09 23 00-0155 EA >10 Field Installed Application Specific Unit Ventilator Controller Assemblies	2,630.71	603.63
23 09 23 00-0156 DDC Programmable Controller Assemblies <small>(23 09 23 00-0106)</small> Note: Includes installation, field test, checkout and start-up. Includes control enclosure, transformer and terminal strip only. Excludes ancillary devices. Excludes submittal generation/system engineering and database generation. See CSI section 23 09 23 00-0163 for additional components.		

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 09 Instrumentation And Control For HVAC****23 09 23 Direct-Digital Control System For HVAC**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 00-0157 EA 3 AO, 6 UI, 8 DO And 4 DI Small Programmable Controller Assemblies.....	1,917.90	619.53
23 09 23 00-0158 EA Oversized Enclosure 3 AO, 6 UI, 8 DO And 4 DI Small Programmable Controller Assemblies.....	2,158.89	619.53
23 09 23 00-0159 EA 6 AO, 8 AI, 8 DO And 8 DI Medium Programmable Controller Assemblies.....	2,792.91	728.62
23 09 23 00-0160 EA Oversized Enclosure 6 AO, 8 AI, 8 DO And 8 DI Medium Programmable Controller Assemblies.....	3,033.89	728.62
23 09 23 00-0161 EA 10 AO, 16 AI, 16 DO And 16 DI Large Programmable Controller Assemblies.....	4,822.20	853.30
23 09 23 00-0162 EA Oversized Enclosure 10 AO, 16 AI, 16 DO And 16 DI Large Programmable Controller Assemblies.....	5,100.77	853.30
23 09 23 00-0163 EMCS Optional DDC Controller Hardware <small>(23 09 23 00-0106)</small>		
Note: Used to expand the capacity of DDC programmable controller assemblies.		
23 09 23 00-0164 EA 6 DO (Repay), 3 AI, 3 DI AHU Controller (Honeywell W7750A2005).....	289.77	
Note: For constant volume single zone and heat pump AHUs.		
23 09 23 00-0165 EA 6 AI, 5 DI, 8 DO (Triac) AHU Controller (Honeywell W7750B2011).....	334.89	
Note: For constant volume single zone and heat pump AHUs.		
23 09 23 00-0166 EA 3 AO, 6 AI, 5 DI, 5 DO (Triac) AHU Controller (Honeywell W7750C2001).....	350.78	
Note: For constant volume single zone and heat pump AHUs.		
23 09 23 00-0167 EA VAV Controller Compatible Printed Wiring Board (Honeywell W7751B2010).....	331.08	
23 09 23 00-0168 EA VAV Controller With Internally Wired Subbase (Honeywell W7751D2016).....	336.16	
23 09 23 00-0169 EA VAV Controller With Externally Wired Subbase (Honeywell W7751F2011).....	328.54	
23 09 23 00-0170 EA VAV Controller With Premounted ML6161 Actuator (Honeywell W7751H2025).....	282.78	
23 09 23 00-0171 EA VAV Controller With Premounted ML6161 Actuator (Honeywell W7751J2004).....	245.93	
23 09 23 00-0172 EA Fan Coil Unit Controller With Electric Reheat Relay (Honeywell W7752F2002).....	360.31	
23 09 23 00-0173 EA Fan Coil Unit Controller Without Electric Reheat Relay (Honeywell W7752G2000).....	322.18	
23 09 23 00-0174 EA Unit Ventilator Controller With Heating, Cooling, Actuator And Fan Control (Honeywell W7753A2002).....	355.86	
23 09 23 00-0175 EA Building Manager, Monitor And Control HVAC Equipment (Honeywell W7760A2011).....	755.57	
23 09 23 00-0176 EA Plant Controller, Monitor And Control HVAC Equipment (Honeywell W7760C2017).....	939.86	
23 09 23 00-0177 EA Remote IO Device For Ancillary Point Monitoring And Control (Honeywell W7761A2002).....	469.61	
23 09 23 00-0178 EA Remote IO, UUKL-UL 864 Approved (Honeywell W7761A2010).....	462.62	
23 09 23 00-0179 EA Hydronic Controller Without Wall Module (Honeywell W7762B1027).....	226.86	
23 09 23 00-0180 EA Hydronic Controller With Built-in Wall Module (Honeywell W7763C1016).....	258.00	
23 09 23 00-0181 EA IO Module, 24 Volt AC Without Overrides (Honeywell XFC3A06001).....	476.60	
23 09 23 00-0182 EA IO Module, 24 Volt AC With Overrides (Honeywell XFC3D06001).....	509.65	
23 09 23 00-0183 EA AI Module (Honeywell XFL521B).....	319.01	
23 09 23 00-0184 EA AO Module (Honeywell XFL522B).....	319.01	
23 09 23 00-0185 EA DI Module (Honeywell XFL523B).....	319.01	
23 09 23 00-0186 EA DO Module (Honeywell XFL524B).....	319.01	
23 09 23 00-0187 EA Distributed IO, Lonwork Bus Connector Module With Endplate (Honeywell XSL511).....	56.56	
23 09 23 00-0188 EA Distributed IO, Terminal Block For AI, AO And DI Modules (Honeywell XSL513).....	106.76	
23 09 23 00-0189 EA Distributed IO, Terminal Block For DO Modules (Honeywell XSL514).....	104.85	
23 09 23 00-0190 EA Lon Analog IO Module, 24 Volt AC/DC, 10 Digital Inputs (Honeywell XIO-10DI).....	320.91	
23 09 23 00-0191 EA Lon Hub (Honeywell XIO-HUB).....	47.66	
23 09 23 00-0192 EA Lon Analog IO, 24 Volt AC/DC, 4 Analog Outputs (Honeywell XIO-4AO).....	320.91	
23 09 23 00-0193 EA Lon Digital IO, 24 Volt AC/DC, 4 Digital Inputs (Honeywell XIO-4DI).....	295.49	
23 09 23 00-0194 EA Lon Digital IO, 24 Volt AC/DC, 4 Digital Outputs (Honeywell XIO-4DO).....	295.49	
23 09 23 00-0195 EA Lon Analog IO, 24 Volt AC/DC, 4 Analog Inputs (Honeywell XIO-4NTC).....	311.38	
23 09 23 00-0196 EA Lon Analog IO, 24 Volt AC/DC, 4 Analog PT1000 Inputs (Honeywell XIO-4PT1000).....	311.38	
23 09 23 00-0197 EA Lon Analog IO, 24 Volt AC/DC, 8 Analog Inputs (Honeywell XIO-8AI).....	448.01	
23 09 23 00-0198 EA 16 Point IO Module For Network Area Controllers (Honeywell WEB-IO-16).....	528.71	
Note: Includes 8 universal inputs, 4 relay outputs, and 4 analog outputs.		
23 09 23 00-0199 EA 34 Point IO Module For Network Area Controllers (Honeywell W7750A2005).....	1,123.51	
Note: Includes 16 universal inputs, 10 relay outputs, and 8 analog outputs.		
23 09 23 00-0200 EMCS Software <small>(23 09 23 00-0105)</small>		
23 09 23 00-0201 Software Packages And License <small>(23 09 23 00-0200)</small>		
Note: Includes installation on equipment.		
23 09 23 00-0202 EA On Board Programming Tool For Network Area Controllers (Honeywell WP-AX-WEB).....	358.41	
Note: Requires UI services to be installed on NAC.		
23 09 23 00-0203 EA Software Upgrade To Provide Unrestricted Connected Device Limit (Honeywell WEB-403-EXUP-AX).....	1,460.69	
Note: Upgrade existing network area controller. As with other WEBS controllers, capacity is limited by the characteristics of the application including size and complexity.		
23 09 23 00-0204 EA WEBStation-AX Software For Windows (Honeywell WEB-S-AX).....	4,003.46	
Note: Includes Archon database. WEBS controllers must have Enterprise Connectivity Station Pack (EC-SP). Includes one copy of WP-AX (WEBPro-AX).		
23 09 23 00-0205 EA Small Building WEBStation-AX Based Software (Honeywell WEB-S-AX-SBS).....	2,383.01	
Note: For up to 3 NAC controllers. NAC controllers must have Enterprise Connectivity Station Pack (EC-SP). Includes Archon database.		
23 09 23 00-0206 EA Upgrade Small Building To Large Building Software.....	2,795.18	
Note: Upgrade WEB-S-AX-SBS to WEB-S-AX.		
23 09 23 00-0207 EA Additional Copy Of WEBPro-AX (Honeywell WEB-S-AX-W).....	2,015.22	
Note: One copy is included with WEB-S-AX and WEBStation-AX.		
23 09 23 00-0208 EA WEBS Energy Suite (WES) Base Software (Honeywell WES-BASE-AX).....	3,505.39	
Note: Includes license for 10 points of E ² Profiler and 2 licensed meters of Cost Profiler. Limit of one WES-BASE per WEBStation-AX Supervisor. Additional E ² Profiler point requirements or Cost Profiler meter requirements may use one or any combination of point/meter bundles. One WES-BASE required per WES project.		
23 09 23 00-0209 EA Perpetual License One Meter Point Bundle Of A Cost Profiler Meter And Two E ² Profiler Points (Honeywell WES-CP-AX).....	553.63	
Note: Can be combined with the required single instance of WES-BASE as well as with any combination of other EP points and CP meters.		
23 09 23 00-0210 EA Perpetual License For One Point Of E ² Profiler (Honeywell WES-E2-AX).....	404.30	
Note: Can be combined with the required single instance of WES-BASE as well as with any number of other EP Points and Cost Profiler meters.		



	MINOR CSI UOM DESCRIPTION		TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 00-0211	EA	Perpetual License For An Unlimited Bundle Of E2 Points And CP Meters..... Note: Sold on a per server basis. Purchase of this product must be accompanied by VES-M1-ENT-AX maintenance. The first year price of maintenance is included with VES-ENT-AX.	18,505.03	
23 09 23 00-0212	EA	Annual Maintenance For Enterprise WEBS-AX Energy Suite (Honeywell WES-M1-ENT-AX)..... Note: The first year cost of VES-M1-ENT-AX is included with VES-ENT-AX. After the first year VES-M1-ENT-AX maintenance fee will be invoiced annually.	16,911.83	
23 09 23 00-0213	EA	Standard WEBStation-AX Supervisor Bundled With WES-BASE-AX (Honeywell WES-S-AX)	6,383.93	
23 09 23 00-0214	EA	Small WEBStation-AX Supervisor Bundled With WES-BASE-AX (Honeywell WES-S-AX-SBS).....	4,763.48	
23 09 23 00-0215	EA	Add 500 Modbus TCP Points To WEBStation With WS-OSD Option (Honeywell WS-MTCP-500).....	1,377.06	
23 09 23 00-0216	EA	Add 500 OPC Points To WEBStation With WS-OSD Option (Honeywell WS-OPC-500)	1,377.06	
23 09 23 00-0217	EA	Vykon Oracle Driver For Support Of Oracle Database (Honeywell WS-ORCL)..... Note: Excludes Oracle.	9,532.05	
23 09 23 00-0218	EA	Open System Driver Option (Honeywell WS-SNMP-500)..... Note: Adds 25 points each of BACnet IP, OPC (client), Modbus TCP and SNMP to a standard WEBStation. Can be purchase with the WS or added later. Web Supervisor required to purchase this option.	1,270.94	
23 09 23 00-0219	EA	Add 500 SNMP Points To WEBStation With WS-OSD Option (Honeywell WS-SNMP-500).....	1,377.06	
23 09 23 00-0220	EA	WEBStation Software WS-1 And First Copy Of WEBPro Software (Honeywell ZW2000A1003)..... Note: For a single Honeywell WEB NP controller. Excludes software keys for the additional nodes.	3,601.21	
23 09 23 00-0221	EA	WEBStation Additional Node (Honeywell ZW2000B1002)	1,377.06	
23 09 23 00-0222	EA	WEBStation Software And 20 Pack Of Node Software Keys (Honeywell ZW2000C1001).....	23,089.17	
23 09 23 00-0223	EA	WEBStation Software And 50 Pack Of Node Software Keys (Honeywell ZW2000D1000).....	42,364.88	
23 09 23 00-0224	EA	WEBStation Software And 100 Pack Of Node Software Keys (Honeywell ZW2000E1009).....	74,138.38	
23 09 23 00-0225	EA	Master WEBStation Software For Monitoring Multiple WEBStations (Honeywell ZW2000F1008).....	3,812.82	
23 09 23 00-0226	EA	Additional Master WEBStation Software Licenses (Honeywell ZW200G1007).....	1,906.41	
23 09 23 00-0227	EA	Additional Copies Of Workplace Pro WP-1 (Web Pro) (Honeywell ZW2001A1001).....	1,623.77	
23 09 23 00-0228	EA	Upgrade Existing NAC To Provide Unrestricted Connected Device Limit (Honeywell WC2003B1055)..... Note: As with other WEBS, capacity is limited by the characteristics of the application including size and complexity.	1,746.65	
23 09 23 00-0229		Initial Database Generation (23 09 23 00-0200)		
23 09 23 00-0230	PNT	Database Generation For Central Plant.....	69.72	
23 09 23 00-0231	PNT	Database Generation For Programmable Controller	69.72	
		Note: For VAV AHU, large CV AHU, or heat exchanger, etc.		
23 09 23 00-0232	EA	Database Generation For Application Specific Controller.....	69.72	
		Note: Price per each VAV box, fan coil unit, unit ventilator or small CV AHU. Task used for the first piece of each equipment.		
23 09 23 00-0233	EA	Replication Of Database Generation For Application Specific Controller	48.52	
		Note: Price per copy made.		
23 09 23 00-0234	EA	Database Generation For Remote IO Modules, Sensors, Etcetera	48.52	
23 09 23 00-0235		Application Software Programs (23 09 23 00-0200)		
23 09 23 00-0236	EA	Basic Application Program Package..... Note: One per project. Includes program inputs, command priorities, alarms, trends for analog and digital points, energy totalization, schedules, calendars, special events, occupied and unoccupied setpoints, ventilation and recirculation modes, hot water reset program, chilled water reset program, condenser water reset program, and fail-over logic.	2,909.08	
23 09 23 00-0237	EA	Optimum Start/Stop Program..... Note: Priced per controller requiring optimum start programming.	97.24	
23 09 23 00-0238	EA	Duty Cycling Program.....	45.92	
23 09 23 00-0239	EA	Hot Deck/Cold Deck Reset Application Program	4,997.70	
23 09 23 00-0240	EA	Boiler Optimization Program	6,549.19	
23 09 23 00-0241	EA	Chiller Optimization Program	8,871.53	
23 09 23 00-0242	EA	Lighting Control Program.....	4,281.06	
23 09 23 00-0243	EA	Demand Limiting Program	85.29	
		Note: Priced per controller requiring optimum start programming.		
23 09 23 00-0244	EA	Email Alarm Server Configuration.....	3,302.66	
23 09 23 00-0245		Color Graphics Generation (23 09 23 00-0200)		
		Note: Priced per page.		
23 09 23 00-0246	EA	Single Site Home Page Graphics Page With HTML Navigation Code.....	1,743.18	
23 09 23 00-0247	EA	Multi Site Home Page Graphics Page With HTML Navigation Code	3,094.95	
23 09 23 00-0248	EA	Color Graphics Page For Central Plant	792.00	
23 09 23 00-0249	EA	Color Graphics Page For Building Floor Plan	731.32	
23 09 23 00-0250	EA	Replication Of Color Graphics Page For Central Plant.....	397.30	
23 09 23 00-0251	EA	Color Graphics Page For Programmable Controller	891.01	
		Note: For VAV AHU, large CV AHU, or heat exchanger, etc.		
23 09 23 00-0252	EA	Replication Of Color Graphics Page For Programmable Controller.....	190.54	
		Note: Priced per copy made.		
23 09 23 00-0253	EA	Color Graphics Page For Application Specific Controller.....	824.10	
		Note: Price per each VAV box, fan coil unit, unit ventilator or small CV AHU. Task used for the first piece of each equipment.		
23 09 23 00-0254	EA	Replication Of Color Graphics Page For Application Specific Cont	82.39	
		Note: Priced per copy made.		
23 09 23 00-0255		Sensors, Actuators And Control Devices (23 09 23 00-0105)		
		Note: Includes installation, startup, checkout and miscellaneous parts for installation. Excludes conduit, wire and cable. Excludes engineering and programming labor. Each device is considered one control point. No engineering or programming time required for replacement parts.		

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 09 Instrumentation And Control For HVAC****23 09 23 Direct-Digital Control System For HVAC**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 00-0256 Special Sensors (23 09 23 00-0255)		
23 09 23 00-0257 EA Dewpoint Sensor (Honeywell C7232B1014).....	1,218.24	64.31
23 09 23 00-0258 EA Enthalpy Sensor -25 To 125 F.....	1,267.34	64.31
23 09 23 00-0259 EA Outdoor Mounted Temperature And Humidity Transmitter (Honeywell H7635C1002).....	685.93	128.62
23 09 23 00-0260 EA Freezestat (Honeywell L482A1004).....	498.35	214.34
23 09 23 00-0261 EA Wall Mounted Occupancy Sensor.....	328.11	64.31
23 09 23 00-0262 EA Ceiling Mounted Occupancy Sensor.....	273.98	64.31
23 09 23 00-0263 EA I/P Positioner With Gauge.....	320.62	64.31
23 09 23 00-0264 EA Non Communicating Duct Mounted Smoke Detector With Sampling Tube.....	385.37	64.31
23 09 23 00-0265 EA EP Transducer.....	320.62	42.91
23 09 23 00-0266 EA Electric Heat Sequencer.....	521.72	85.72
23 09 23 00-0267 Meters (23 09 23 00-0255)		
23 09 23 00-0268 EA KW/KWh Meter/Current Transformer 208 - 480 Volt, Up To 2,400 Amps.....	3,257.88	514.29
23 09 23 00-0269 EA KW/KWh Meter/Current Transformer 208 - 480 Volt, Up To 2,400 Amps With LON interface.....	4,804.70	600.00
23 09 23 00-0270 EA Current Transformer For KW Meter 1 - 300 Amps.....	1,210.28	214.34
23 09 23 00-0271 EA Current Transformer For KW Meter 300 - 800 Amps.....	1,336.80	214.34
23 09 23 00-0272 EA Current Transformer For KW Meter 800 - 2,400 Amp.....	1,579.43	214.34
23 09 23 00-0273 Direct Coupled Actuators (23 09 23 00-0255)		
23 09 23 00-0274 EA 44 IN-LB, 2 Position, 120 Volt AC Spring Return Direct Coupled Damper Actuator (Honeywell MS4105A1002).....	481.16	94.98
23 09 23 00-0275 EA 88 IN-LB, 2 Position, 120 Volt AC Spring Return Direct Coupled Damper Actuator (Honeywell MS4110A1200).....	516.80	94.98
23 09 23 00-0276 EA 175 IN-LB, 2 Position, 120 Volt AC Spring Return Direct Coupled Damper Actuator (Honeywell MS4120A1209).....	578.09	94.98
23 09 23 00-0277 EA 44 IN-LB, 2 Position, 24 Volt AC Spring Return Direct Coupled Damper Actuator (Honeywell MS8105A1008).....	460.30	94.98
23 09 23 00-0278 EA 88 IN-LB, 2 Position, 24 Volt AC Spring Return Direct Coupled Damper Actuator (Honeywell MS8110A1206).....	498.64	94.98
23 09 23 00-0279 EA 175 IN-LB, 2 Position, 24 Volt AC Spring Return Direct Coupled Damper Actuator (Honeywell MS8120A1205).....	536.60	94.98
23 09 23 00-0280 EA 44 IN-LB, 24 Volt AC, 4-20mA, 0-10 Volt DC Or Floating Control, Spring Return Direct Coupled Damper Actuator.....	500.73	94.98
23 09 23 00-0281 EA 88 IN-LB, 24 Volt AC, 4-20mA, 0-10 Volt DC Or Floating Control, Spring Return Direct Coupled Damper Actuator (Honeywell MS7510A2206).....	555.39	94.98
23 09 23 00-0282 EA 175 IN-LB, 24 Volt AC, 4-20mA, 0-10 Volt DC Or Floating Control, Spring Return Direct Coupled Damper Actuator (Honeywell MS7520A2205).....	614.39	94.98
23 09 23 00-0283 EA 44 IN-LB, 24 Volt AC, 4-20mA, 0-10 Volt DC Or Floating Control, Non- Spring Return Direct Coupled Damper Actuator (Honeywell MN7505A2209).....	431.87	94.98
23 09 23 00-0284 EA 88 IN-LB, 24 Volt AC, 4-20mA, 0-10 Volt DC Or Floating Control, Non- Spring Return Direct Coupled Damper Actuator (Honeywell MN7510A2209).....	460.97	94.98
23 09 23 00-0285 EA 175 IN-LB, 24 Volt AC, 4-20 mA, Floating Control, Non-Spring Return Direct Coupled Damper Actuator (Honeywell MN6120A1200).....	519.44	94.98
23 09 23 00-0286 EA 175 IN-LB, 24 Volt AC, 4-20mA, 0-10 Volt DC, Non-Spring Return Direct Coupled Damper Actuator (Honeywell MN7220A2007).....	546.96	94.98
23 09 23 00-0287 EA 300 IN-LB, 24 Volt AC, 4-20 mA, Floating Control, Non-Spring Return Direct Coupled Damper Actuator (Honeywell MN6134A10030).....	546.62	94.98
23 09 23 00-0288 EA 300 IN-LB, 24 Volt AC, 4-20mA, 0-10 Volt DC, Non-Spring Return Direct Coupled Damper Actuator (Honeywell MN7234A2008).....	622.10	94.98
23 09 23 00-0289 EA Pneumatic Spring Return Damper Actuator Without Positive Positioner (Honeywell MP909E1018).....	443.80	94.98
23 09 23 00-0290 EA Pneumatic Spring Return Damper Actuator With Positive Positioner (Honeywell MP909H1368).....	731.30	94.98
23 09 23 00-0291 EA Foot Mount Kit With Damper Linkage And Connectors For Direct Coupled Actuator.....	348.99	94.98
23 09 23 00-0292 EA Direct Coupled Damper Actuator Enclosure For Outdoor Use.....	507.56	94.98
23 09 23 00-0293 Thermostats (23 09 23 00-0105)		
23 09 23 00-0294 Electric And Electronic Thermostats (23 09 23 00-0293)		
Note: Includes installation, startup and checkout labor. Excludes engineering and programming labor. Each thermostat counts as one control point.		
23 09 23 00-0295 EA Line Voltage 120 Volt, Heat/Cool Thermostat (Honeywell T651A3018).....	155.02	15.59
23 09 23 00-0296 EA Electronic Non Programmable Heat/Cool Heat Pump Or Conventional Unit Thermostat (Honeywell TH5320).....	164.06	15.59
23 09 23 00-0297 EA Electronic Programmable Heating/Cooling Heat Pump Or Conventional Unit Thermostat (Honeywell TH6110).....	154.02	15.59
23 09 23 00-0298 EA Electronic Programmable Two Heating/Two Cooling Heat Pump Or Conventional Unit Thermostat (Honeywell TH6220).....	167.77	15.59
23 09 23 00-0299 EA Electronic Programmable Three Heating/Two Cooling Heat Pump Or Conventional Unit Thermostat (Honeywell TH6320).....	178.11	15.59
23 09 23 00-0300 EA Electronic Programmable Two Heating/Two Cooling Heat Pump Or Conventional Unit Thermostat (Honeywell TH8321).....	244.34	15.59
23 09 23 00-0301 EA Humidity Control Electronic Programmable Heat/Cool Heat Pump Or Conventional Unit Thermostat (Honeywell T7351F).....	338.68	15.59
23 09 23 00-0302 EA Lon Communicating Humidity Control Programmable Heat/Cool Heat Pump Or Conventional Unit Thermostat (Honeywell T7350H).....	525.21	15.59
23 09 23 00-0303 EA Modulating Lon Communicating Humidity Control Programmable Heat/Cool Heat Pump Or Conventional Unit Thermostat (Honeywell T7350M).....	557.62	15.59
23 09 23 00-0304 Pneumatic Thermostats (23 09 23 00-0293)		
Note: Includes installation, startup and checkout labor. Excludes engineering and programming labor. Each thermostat counts as two control point.		
23 09 23 00-0305 EA Pneumatic Thermostat (Honeywell TP970B2182).....	192.48	15.59
23 09 23 00-0306 Thermostats Guards (23 09 23 00-0293)		
23 09 23 00-0307 EA 9-3/4" x 7-1/4" x 3-3/8" Universal Thermostat Guard (Honeywell TG512A1009).....	50.69	15.59



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	23 09 23 00-0308	EA		7-1/2" x 6-1/2" x 2-15/16" Universal Thermostat Guard (Honeywell TG511)	58.22	15.59
	23 09 23 00-0309	EA		5-7/8" x 5-7/8" x 2-1/2" Deep Universal Thermostat Guard (Honeywell TG510).....	55.51	15.59
23 09 23 00-0310	Delta Controls <small>(23 09 23)</small>					
23 09 23 00-0311	Software <small>(23 09 23 00-0310)</small>					
				Note: Excludes programming, set-up and commissioning of application.		
	23 09 23 00-0312	EA		Orca Software Unlimited Points License (Delta Controls DOW333-USB)	1,380.19	
	23 09 23 00-0313	EA		Orca Graphics Module, Delta Controls Orca View With Graphics Creation Capabilities (Delta Controls DOW333-I-USB).....	2,112.48	
	23 09 23 00-0314	EA		Orca Historical Module, Delta Controls Historian Package With Unlimited Archiving Trend Logs (Delta Controls DHS330-HL-USB)	4,577.04	
	23 09 23 00-0315	EA		Web Server Unlimited Points License, Delta Controls Web Server Front End (Delta Controls DWS330-L-USB)	7,365.55	
	23 09 23 00-0316	EA		Web Server Limited Points (Maximum I/O 2500) License, Delta Controls Web Server Front End (Delta Controls DWS330-M-USB)	3,844.75	
	23 09 23 00-0317	EA		Web Server Limited Points (Maximum I/O 250) License, Delta Controls Web Server Front End (Delta Controls DWS330-S-USB).....	1,380.19	
	23 09 23 00-0318	EA		100 User Energy Portal, Data Collection Controller, Web PC Server Program License (Delta Controls EP-2.01)	3,140.59	
	23 09 23 00-0319	EA		1,000 User Energy Portal, Data Collection Controller, Web PC Server Program License (Delta Controls EP-2.02)	3,844.75	
	23 09 23 00-0320	EA		KW Meter With H8163-2400-4-3 Series, With 3, 2,400 Amp CT's And BACnet MS/TP Interface (Delta Controls H8186-CB).....	1,478.86	103.89
	23 09 23 00-0321	EA		Delta Controls Touch Screen (Delta Controls DHMI-7-I)	1,449.88	
23 09 23 00-0322	EMCS Central Equipment And Controllers <small>(23 09 23 00-0310)</small>					
	23 09 23 00-0323	EA		Fully Programmable, Native BACnet Building Controller, 32 Universal Inputs/32 Analog Or Binary Outputs HOA's, Twisted-Pair Ethernet Port, BACnet IP, BACnet Over Ethernet, Main LAN RS-485 BACnet MS/TP (Maximum Of 99 Devices), SubLAN (Net2) BACnet MS/TP (Maximum 99 Devices) Or Delta LINKnet @ 76800 bps, Serial RS-232 BACnet PTP, Real-Time Clock With Lithium Battery And SRAM Backup (Delta Controls DSC-1616E + DFM1616).....	5,847.33	415.58
	23 09 23 00-0324	EA		Fully Programmable, Native BACnet Building Controller, 16 Universal Inputs/16 Analog Or Binary Outputs HOA'S, Twisted-Pair Ethernet Port, BACnet IP, BACnet Over Ethernet, Main LAN RS-485 BACnet MS/TP (Maximum Of 99 Devices), Sublan (Net2) BACnet MS/TP (Maximum 99 Devices) Or Delta LINKnet @ 76800 Bps (Maximum 12 Devices On LINKnet, With 2 DFM Devices) Serial RS-232 BACnet PTP, Real-Time Clock With Lithium Battery And SRAM Backup (Delta Controls DSC-1616E)	4,720.68	415.58
	23 09 23 00-0325	EA		Fully Programmable, Native BACnet Advanced Application Controller That Communicates On A RS-485 LAN Using The BACnet MS/TP Protocol, 11 Universal Inputs, 4 Analog Output Or 6 Binary (Triac) Outputs (Delta Controls DAC-1146)	3,782.38	415.58
	23 09 23 00-0326	EA		Fully Programmable, Native BACnet Advanced Application Controller That Communicates On A RS-485 LAN Using The BACnet MS/TP Protocol, 11 Universal Inputs, 8 Analog Or Binary Outputs (Delta Controls DAC-1180).....	3,782.38	415.58
	23 09 23 00-0327	EA		Fully Programmable, Native BACnet Advanced Application Controller That Communicates On A RS-485 LAN Using The BACnet MS/TP Protocol, 11 Universal Inputs, 4 Analog Output Or 6 Binary (Triac) Outputs (Delta Controls DAC-1146)	3,782.38	415.58
	23 09 23 00-0328	EA		Fully Programmable, Native BACnet Advanced Application Controller That Communicates On A RS-485 LAN Using The BACnet MS/TP Protocol, 6 Universal Inputs, 3 Binary (Triac) Outputs And 3 Analog Outputs (Delta Controls DAC-633 R3).....	3,610.80	415.58
	23 09 23 00-0329	EA		VAV Controllers Are Native BACnet Application Controllers That Are Fully Programmable, Communicate On A RS-485 LAN Using The MS/TP BACnet Protocol, 3 Universal Inputs, 4 Binary Outputs, Actuator Position Feedback, Supports 4 BACstet Network Sensors On LINKnet For Room Sensing And Control Or 2 Delta Field Modules On LINKnet For I/O Expansion (Delta Controls DVC-304AF).....	1,142.76	207.80
	23 09 23 00-0330	EA		Fully Programmable, Native BACnet Advanced Application Controller That Communicates On A RS-485 LAN Using The BACnet MS/TP Protocol, 4 Binary Triac Outputs (24 Volt AC), 3 Binary Relay Outputs For Fan Speed Control, 240 Volt AC, 1 HP (60 LRA/10 FLA) LED Status Indication Of Each Output (Delta Controls DFC-304R3-240)	1,067.06	207.80
	23 09 23 00-0331	EA		Fully Programmable, Native BACnet Advanced Application Controller That Communicates On A RS-485 LAN Using The BACnet MS/TP Protocol, 6 Universal Inputs, 3 Binary (Triac) Outputs And 3 Analog Outputs (Delta Controls DAC-633 R3).....	1,117.29	207.80
	23 09 23 00-0332	EA		Fully Programmable, Native BACnet Advanced Application Controller That Communicates On A RS-485 LAN Using The BACnet MS/TP Protocol, 4 Binary Triac Outputs (24 Volt AC), 3 Binary Relay Outputs For Fan Speed Control, 240 Volt AC, 1 HP (60 LRA/10 FLA) LED Status Indication Of Each Output (Delta Controls DFC-304R3-240)	1,067.06	207.80
	23 09 23 00-0333	EA		Remotely Expandable I/O To Delta's BACnet Controllers, 16 Universal Inputs, 16 Analog Outputs (Delta Controls DFM-1616)	2,165.63	259.74
	23 09 23 00-0334	EA		Remotely Expandable I/O To Delta's BACnet Controllers, 4 Universal Inputs, 4 Analog Outputs (Delta Controls DFM-440)	600.16	103.89
	23 09 23 00-0335	EA		Remotely Expandable I/O To Delta's BACnet™ Controllers, 4 Universal Inputs, 4 Binary Triac Outputs (Delta Controls DFM-404)	632.07	103.89
	23 09 23 00-0336	EA		Remotely Expandable I/O To Delta's BACnet™ Controllers, 16 Universal Inputs (Delta Controls DFM-1600)	714.85	103.89
23 09 23 00-0337	Network, VAV And Special Sensors <small>(23 09 23 00-0310)</small>					
	23 09 23 00-0338	EA		BACnet MS/TP VAV Network Room Temperature Sensor With LCD Display (Delta Controls DNS-24)	178.13	33.24
	23 09 23 00-0339	EA		BACnet MS/TP VAV Network Temperature And Humidity Sensor With LCD Display (Delta Controls DNS-H24).....	234.34	37.41
	23 09 23 00-0340	EA		Programmable BACnet MS/TP Thermostat With 8 Button Keypad And LCD Display For DX Unit, Fan Coils And RTU (Delta Controls DAC-T305-G2B).....	422.53	15.59
23 09 23 00-0341	Trane Controls <small>(23 09 23)</small>					
23 09 23 00-0342	Software <small>(23 09 23 00-0341)</small>					
				Note: Excludes programming, set-up and commissioning of application.		
	23 09 23 00-0343	EA		Summit + Building Management Package (Trane 40201152)	2,254.04	
	23 09 23 00-0344	EA		Summit Current Version Software (Trane 40201111).....	2,264.19	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 09 Instrumentation And Control For HVAC****23 09 23 Direct-Digital Control System For HVAC**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 00-0345 EA Summit Customer Upgrade Package, Currently V10-V16 To V17 (Trane 40201113).....	515.81	
23 09 23 00-0346 EA Rover Service Software And Hardware, Complete Kit (Trane X1365150001).....	1,714.18	
23 09 23 00-0347 EA Tracer SC With -X1365152401 - BACnet (2 Pack) (Trane BMSC000AAA011000).....	5,994.22	
23 09 23 00-0348 EMCS Central Equipment And Controllers (23 09 23 00-0341)		
23 09 23 00-0349 EA Summit BTMX Operator Display Upgrade (Trane 40201224).....	4,593.19	415.58
23 09 23 00-0350 EA Summit BTMX Retrofit Kit For BMTS And BMTW BCU (Trane 49500531).....	8,779.45	415.58
23 09 23 00-0351 EA Summit BTMX Retrofit Kit For Tracer 100 (Trane 49500532).....	8,779.45	415.58
23 09 23 00-0352 EA Summit BTMX, 120 Volt, (Trane BMTX-001-A-A-B0-00).....	7,870.46	415.58
23 09 23 00-0353 EA Summit BTMX, 120 Volt, With Display (Trane BMTX-001-A-A-B0-10).....	8,927.33	415.58
23 09 23 00-0354 EA Summit CCP Upgrade ROM Kit (Trane 40201095).....	156.51	25.97
23 09 23 00-0355 EA Summit Comm5 Repeater (Trane 49500457).....	1,219.08	207.80
23 09 23 00-0356 EA AHU Controller MP580/581 E Board Only (Trane 40201157).....	1,925.12	259.74
23 09 23 00-0357 EA AHU Controller MP581 120 Volt AC With Enclosure And Display (Trane BMTM000AAC01).....	2,436.29	311.69
23 09 23 00-0358 EA AHU Controller MP581 120 Volt AC With Enclosure, No Display (Trane BMTM000AAC00).....	2,016.26	311.69
23 09 23 00-0359 EA AHU Controller MP581 Operator Door Display (Trane 40201156).....	1,779.28	311.69
23 09 23 00-0360 EA AHU Controller MP581 Portable, Rugged, With Case (Trane 49500491).....	1,777.45	311.69
23 09 23 00-0361 EA Controller MP503 I/O Module With Metal Enclosure (Trane 49500590).....	744.63	103.89
23 09 23 00-0362 EA Controller MP503 I/O Module With Plastic Cover (Trane 49500490).....	692.41	103.89
23 09 23 00-0363 EA Controller MP581 EX2 Expansion Module With Metal Enclosure (Trane 49500500).....	1,280.46	207.80
23 09 23 00-0364 EA Controller MP581 EX2 Expansion Module With Plastic Cover (Trane 49500499).....	1,237.16	207.80
23 09 23 00-0365 EA 2 Position, FCU Controller ZN511 Zone With Metal Enclosure (Trane 49500569).....	673.29	103.89
23 09 23 00-0366 EA 2 Position, FCU Controller ZN511 Zone With Plastic Cover (Trane 4950-0469).....	610.42	103.89
23 09 23 00-0367 EA 4 Position, FCU Controller ZN517 Zone With Metal Enclosure (Trane 49500596).....	827.99	103.89
23 09 23 00-0368 EA 4 Position, FCU Controller ZN517 Zone With Plastic Cover (Trane 49500496).....	765.46	103.89
23 09 23 00-0369 EA Modulating FCU Controller ZN520 Zone With Plastic Cover (Trane 4950049).....	678.89	103.89
23 09 23 00-0370 EA Modulating FCU Controller ZN520 Zone With Plastic Cover (Trane 49500496).....	654.64	103.89
23 09 23 00-0371 EA Modulating Tri ST FCU Controller ZN521 Zone With Metal Cover (Trane 49500570).....	728.60	103.89
23 09 23 00-0372 EA Modulating Tri ST FCU Controller ZN521 Zone With Plastic Cover (Trane 49500470).....	678.89	103.89
23 09 23 00-0373 EA DDC VAV Retrofit Kit (Trane VRTODD01).....	1,043.88	207.80
23 09 23 00-0374 EA DDC VAV Retrofit Kit With Belimo Actuator (Trane VRTODD01BLMO).....	1,105.71	207.80
23 09 23 00-0375 Network, VAV And Special Sensors (23 09 23 00-0341)		
23 09 23 00-0376 EA Digital Display Zone Sensor (Trane X13790464010).....	147.88	33.24
23 09 23 00-0377 EA Single Setpoint Wall Mounted Zone Temperature Sensor (Trane X13511529010).....	114.37	33.24
23 09 23 00-0378 EA Wall Mounted Zone Temperature-Only Sensor (Trane X13511528010).....	104.86	33.24
23 09 23 00-0379 EA Ceiling Mount Zone Occupancy Sensor (Trane X13790421-01).....	176.48	37.41
23 09 23 00-0380 EA Zone LCD O/C Setpoint, 3 Speed Fan (Trane 41901121).....	123.20	33.24
23 09 23 00-0381 EA Zone Sensor LCD O/C Setpoint (Trane 41901120).....	123.20	33.24
23 09 23 00-0382 EA Duct CO2 Sensor, 0 To 2,000 ppm (Trane X13790423010).....	491.09	59.85
23 09 23 00-0383 EA Room CO2 Sensor, 0 To 2,000 ppm (Trane X13790422010).....	379.70	33.24
23 09 23 00-0384 EA Transformer 120/24 40 VA (Trane X13550284010).....	112.16	33.24
23 09 23 00-0385 EA Transformer 24 Volt AC Wall Plug-In (Trane 35803005).....	97.55	33.24
23 09 23 00-0386 EA Transformer UL Listed 120 Volt AC, 40 VA (Trane 35812022).....	94.34	33.24
23 09 23 00-0387 EA Controller UC400 VAV Kit With Enclosure, And Belimo (Trane 5189454010).....	1,129.61	413.88
23 09 23 00-0388 EA Controller UC400 VAV Kit With Enclosure, No Actuator (Trane 5189456010).....	1,096.25	413.88
23 09 23 00-0389 EA Controller UC400 XM32 Module (4 Relay) (Trane X13651563010).....	987.67	413.88
23 09 23 00-0390 EA Controller UC400 XM70 (8UI,6UI/AO,4R,1P) (Trane X13651568010).....	1,640.79	620.78
23 09 23 00-0391 EA Controller UC400 XM30 I/O Module (4 UI/AO) (Trane X13651537010).....	988.08	413.88
23 09 23 00-0392 EA Controller UC210 VAV With Belimo Actuator (Trane BMUC210AAA0B00011).....	1,061.95	413.88
23 09 23 00-0393 EA Controller UC210 VAV Without Actuator (Trane BMUC210AAA0100011).....	1,022.00	413.88
23 09 23 00-0394 EA Controller Optional Metal Enclosure, UC210 (Trane 501898).....	430.66	206.91
23 09 23 00-0395 EA Controller UC400 PM014 24 Volt AC To 1.4 Amp 24 Volt DC (Trane X1365153801).....	523.72	206.91
23 09 23 00-0396 EA Controller Tracer UC600 Controller (Trane BMUC600AAA0100011).....	1,754.79	620.78
23 09 23 00-0397 EA Controller UC600 Tracer TD7 Display (Trane X13651571010).....	1,726.51	620.78
23 09 23 00-0398 EA Controller UC600 TD7 Mounting Bracket (Trane X05010511010).....	109.66	41.40
23 09 23 00-0399 EA Controller UC400 13" DIN Rail Enclosure, 120 Volt (Trane X13651559010).....	319.61	74.49
23 09 23 00-0400 EA SC 24" DIN Rail Enclosure, 120 Volt (Trane X13651552010).....	1,770.61	620.78
23 09 23 00-0401 EA BACnet Term (2 Pack) (Trane X1365152401).....	179.74	74.49
23 09 23 00-0402 EA Tracer ES Add License (Trane X40250125010).....	3,881.45	1,655.38
23 09 23 00-0403 EA Kit - Tracer TU For Controls (Trane X4509151201).....	5,178.03	1,655.27
23 09 23 00-0404 EA Kit - Tracer TU Complete (Trane X4509151301).....	6,290.68	1,655.27
23 09 23 00-0405 EA Tracer TU Adapter Wired/Wireless (Trane X13651529010).....	361.95	74.49
23 09 23 00-0406 EA Sensor Wireless Zone Sensor, Fahrenheit (Trane X13790492010).....	220.26	74.49
23 09 23 00-0407 EA Sensor Wireless Display Sensor (Trane X13790822010).....	237.76	74.49
23 09 23 00-0408 EA Sensor Wireless Receiver, 100mW (Trane X13790854010).....	232.22	74.49
23 09 23 00-0409 EA Sensor Wireless Comm Interface (WCI) Indoor, 100mW (Trane X13790901010).....	326.11	74.49
23 09 23 00-0410 EA Sensor Wireless Comm Interface (WCI) Outdoor, 100mW (Trane X13790941010).....	350.01	74.49
23 09 23 00-0411 Johnson Controls (23 09 23)		
23 09 23 00-0412 Software (23 09 23 00-0411)		
Note: Excludes programming, set-up and commissioning of application.		
23 09 23 00-0413 EA 5 Concurrent User Application And Data Server (Johnson Controls MS-ADS05U-0).....	10,332.95	
23 09 23 00-0414 EA 10 Concurrent User External Application And Data Server (Johnson Controls MS-ADX10U-0).....	12,197.91	
23 09 23 00-0415 EA N2 Controllers Commissioning And Download Software (Johnson Controls MW-MTOOL-0).....	718.26	
23 09 23 00-0416 EA N2 Controllers Download Cable Kit (Johnson Controls AS-CBLPRO-2).....	1,025.61	
23 09 23 00-0417 EA BACnet FEU Controllers Commissioning And Download Software (Johnson Controls MS-CCTSWO-0).....	1,722.83	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 00-0418	EA			BACnet Controllers Download Bluetooth Converter (Johnson Controls MS-BTCVT-0).....	723.47	
23 09 23 00-0419	EA			New User FX Tools Pro CD-Rom (FX Builder, FX Builder Express, FX CommPro N2, FX CommPro LON, FX CommPro BACnet) Software (Johnson Controls LP-FXTPRO-0)	720.43	
23 09 23 00-0420	EA			Upgrade FX Tools Pro CD-Rom (FX Builder, FX Builder Express, FX CommPro N2, FX CommPro LON, FX CommPro BACnet) Software (Johnson Controls LP-FXTPRO-6)	339.90	
23 09 23 00-0421				Supervisory Controllers <small>(23 09 23 00-0411)</small>		
23 09 23 00-0422	EA			NAE With 1 RS-485, Support For 50 Devices (Either N2 Or BACnet MS/TP) Supervisory Controllers (Johnson Controls MS-NAE3510-2).....	5,730.53	415.58
23 09 23 00-0423	EA			NAE With 1 RS-485, Support For 100 Devices (Either N2 Or BACnet MS/TP) Supervisory Controllers (Johnson Controls MS-NAE4511-2).....	8,190.10	415.58
23 09 23 00-0424	EA			NAE With 2 RS-485, Support For 200 Devices (N2 Or BACnet MS/TP) Supervisory Controllers (Johnson Controls MS-NAE5511-1)	10,655.11	415.58
23 09 23 00-0425	EA			NCE, 33 Points, Network Control Engine, 32 N2 Device Support Supervisory Controllers (Johnson Controls MS-NCE2510-0).....	4,783.12	415.58
23 09 23 00-0426				Controllers <small>(23 09 23 00-0411)</small>		
23 09 23 00-0427	EA			10 Point Field Equipment Controller With 2 UI, 1 BI, 3 BO, 4 CO, 24 Volt AC And Sensor Actuator Bus With Mounting Base (Johnson Controls MS-FEU1610-0).....	676.95	103.89
23 09 23 00-0428	EA			10 Point Field Equipment Controller With 2 UI, 1 BI, 3 BO, 4 CO, 24 Volt AC And Sensor Actuator Bus, Mounting Base And Integral Display (Johnson Controls MS-FEU1620-0)	840.95	207.80
23 09 23 00-0429	EA			17 Point Field Equipment Controller With 6 UI, 2 BI, 3 BO, 2 AO, 4 CO, 24 Volt AC, Sensor Actuator Bus And Mounting Base (Johnson Controls MS-FEU2610-0).....	1,207.55	207.80
23 09 23 00-0430	EA			17 Point Field Equipment Controller With 6 UI, 2 BI, 3 BO, 2 AO, 4 CO, 24 Volt AC, Sensor Actuator Bus And Integral Display (Johnson Controls MS-FEU2620-0).....	1,371.54	207.80
23 09 23 00-0431	EA			BACnet MS/TP 4-Point I/O Module With 4 BI, Field Controller Bus And Sensor Actuator Bus Support (Johnson Controls MS-IOM1710-0)	582.86	103.89
23 09 23 00-0432	EA			BACnet MS/TP 6 Point I/O Module With 2 UI, 2 UO, 2 BO, Field Controller Bus And Sensor Actuator Bus Support (Johnson Controls MS-IOM2710-0).....	624.68	103.89
23 09 23 00-0433	EA			BACnet MS/TP 12 Point I/O Module with 4 UI, 4 UO, 4 BO, Field Controller Bus And Sensor Actuator Bus Support (Johnson Controls MS-IOM3710-0)	687.41	103.89
23 09 23 00-0434	EA			17 Point I/O Module with 6 UI, 2 BI, 3 BO, 2 AO, 4 CO, 24 Volt AC And Sensor Actuator Bus With Mounting Base (Johnson Controls MS-IOU4710-0)	695.77	103.89
23 09 23 00-0435	EA			BACnet MS/TP Integrated VAV Controller/Actuator/Pressure Sensor (Cooling Only), Field Controller Bus And Sensor Actuator Bus (Johnson Controls MS-VMA1610-0)	671.60	103.89
23 09 23 00-0436	EA			BACnet MS/TP Integrated VAV Controller/Actuator/Pressure Sensor (With Reheat And Fan Control), Field Controller Bus And Sensor Actuator Bus (Johnson Controls MS-VMA1620-0)	695.98	103.89
23 09 23 00-0437	EA			BACnet MS/TP Rooftop Controller For Stand-Alone And Networked Zoning Systems (Johnson Controls TEC2664Z-2).....	1,414.22	207.80
23 09 23 00-0438				Master FX Controllers <small>(23 09 23 00-0411)</small>		
23 09 23 00-0439	EA			6 AI, 8 DI, 4 AO, 9 DO, 9 Relays, No Communication Card Without Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X00-000C).....	1,702.74	207.80
23 09 23 00-0440	EA			6 AI, 8 DI, 4 AO, 9 DO, 9 Relays, N2 Open Communication Card Without Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X01-000C)	1,801.93	207.80
23 09 23 00-0441	EA			6 AI, 8 DI, 4 AO, 9 DO, 9 Relays, LON Communication Card Without Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X02-000C).....	1,851.22	207.80
23 09 23 00-0442	EA			6 AI, 8 DI, 4 AO, 9 DO, 9 Relays, RS-232 Communication Card Without Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X03-000C).....	1,821.27	207.80
23 09 23 00-0443	EA			6 AI, 8 DI, 4 AO, 9 DO, 9 Relays, BACnet Communications Card Without Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X04-000C).....	1,774.45	207.80
23 09 23 00-0444	EA			6 AI, 8 DI, 4 AO, 9 DO, 4 Relays, 5 Triac, N2 Communication Card Without Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X11-000C)	1,781.96	207.80
23 09 23 00-0445	EA			6 AI, 8 DI, 4 AO, 9 DO, 4 Relays, 5 Triac, BACnet Communications Card Without Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X14-000C)	1,774.45	207.80
23 09 23 00-0446	EA			6 AI, 8 DI, 4 AO, 9 DO, 9 Relays, No Communication Card With Integral Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X50-000C)	1,802.04	207.80
23 09 23 00-0447	EA			6 AI, 8 DI, 4 AO, 9 DO, 9 Relays, N2 Open Communication Card With Integral Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X51-000C)	1,887.71	207.80
23 09 23 00-0448	EA			6 AI, 8 DI, 4 AO, 9 DO, 9 Relays, LON Communication Card With Integral Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X52-000C).....	1,944.82	207.80
23 09 23 00-0449	EA			6 AI, 8 DI, 4 AO, 9 DO, 9 Relays, RS-232 Communication Card With Integral Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X53-000C)	1,916.26	207.80
23 09 23 00-0450	EA			6 AI, 8 DI, 4 AO, 9 DO, 9 Relays, BACnet Communications Card With Integral Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X54-000C)	1,857.81	207.80
23 09 23 00-0451	EA			6 AI, 8 DI, 4 AO, 9 DO, 4 Relays, 5 Triac, No Communication Card With Integral Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X60-000C)	1,802.04	207.80
23 09 23 00-0452	EA			6 AI, 8 DI, 4 AO, 9 DO, 4 Relays, 5 Triac, N2 Communication Card With Integral Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X61-000C)	1,887.71	207.80
23 09 23 00-0453	EA			6 AI, 8 DI, 4 AO, 9 DO, 4 Relays, 5 Triac, LON Communication Card With Integral Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X62-000C).....	1,944.82	207.80
23 09 23 00-0454	EA			6 AI, 8 DI, 4 AO, 9 DO, 4 Relays, 5 Triac, RS-232 Communication Card With Integral Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X63-000C).....	1,916.26	207.80
23 09 23 00-0455	EA			6 AI, 8 DI, 4 AO, 9 DO, 4 Relays, 5 Triac, BACnet Communications Card With Integral Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X64-000C).....	1,857.81	207.80
23 09 23 00-0456	EA			N2 Open Communication Card For FX16 (Johnson Controls LP-NET151-010C)	205.07	51.95
23 09 23 00-0457	EA			LON Communication Card For FX16 (Johnson Controls LP-NET152-010C).....	275.35	51.95
23 09 23 00-0458	EA			RS-232 Communication Card For FX16 (Johnson Controls LP-NET163-000C).....	224.80	51.95
23 09 23 00-0459	EA			BACnet Communications Card For FX16 (Johnson Controls LP-NET164-000C).....	205.07	51.95
23 09 23 00-0460	EA			Remote Medium User Interface For FX16 (Johnson Controls LP-DIS60P20-0C)	556.97	51.95

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 09 Instrumentation And Control For HVAC****23 09 23 Direct-Digital Control System For HVAC**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 00-0461 EA Facility Explorer Extension I/O Module (Johnson Controls LP-XT91D00-000C).....	520.81	51.95
23 09 23 00-0462 EA 5 UI, 4 BI, 3 AO, 6 Relay DO Expansion I/O Module (Johnson Controls LP-XM07X01-000C).....	529.28	51.95
23 09 23 00-0463 EA 5 UI, 4 BI, 3 AO, 2 Triac DO, 4 Relay DO Expansion I/O Module (Johnson Controls LP-XM07X11-000C).....	529.28	51.95
23 09 23 00-0464 EA 5 UI, 4 BI, 3 AO, 6 Relay DO (Manual Overrides For 2 AO And 4 Relay DO) Expansion I/O Module (Johnson Controls LP-XM07X51-000C).....	571.56	51.95
23 09 23 00-0465 EA 5 UI, 4 BI, 3 AO, 2 Triac DO, 4 Relay DO (Manual Overrides For 2 AO, 2 Triac DO, And 2 Relay DO) Expansion I/O Module (Johnson Controls LP-XM07X61-000C).....	571.56	51.95
23 09 23 00-0466 EA 6 UI, 12 BI, 4 AO, 9 Relay DO Expansion I/O Module (Johnson Controls LP-XM14X01-000C).....	693.12	51.95
23 09 23 00-0467 EA 6 UI, 12 BI, 4 AO, 4 Triac DO Expansion I/O Module (Johnson Controls LP-XM14X11-000C).....	693.12	51.95
23 09 23 00-0468 EA 6 UI, 12 BI, 4 AO, 9 Relay DO (Manual Overrides For 3 AO And 7 Relay DO) Expansion I/O Module (Johnson Controls LP-XM14X51-000C).....	761.82	51.95
23 09 23 00-0469 EA 6 UI, 12 BI, 4 AO, 4 Triac DO, 5 Relay DO (Manual Overrides For 3 AO, 2 Triac DO, And 5 Relay DO) Expansion I/O Module (Johnson Controls LP-XM14X61-000C).....	761.82	51.95
23 09 23 00-0470 VAV, Network And Special Sensors (23 09 23 00-0411)		
23 09 23 00-0471 EA 3" x 4-1/2", Surface Or Box Mounted, LCD RH Display, 3% RH Accuracy, Occupancy Override, Adjustable Temperature Setpoint BACnet Temperature And Humidity Sensor (Johnson Controls NS-BHR7001-0).....	343.74	33.24
23 09 23 00-0472 EA 3" x 4-1/2", Surface Or Box Mounted, Addressing Switch BACnet Temperature Sensor (Johnson Controls NS-BTN7003-0).....	136.36	33.24
23 09 23 00-0473 EA 3" x 4-1/2", Surface Or Box Mounted, 3% RH Accuracy, BACnet Temperature And Humidity Sensor (Johnson Controls NS-BHN7001-0).....	273.29	33.24
23 09 23 00-0474 EA 3" x 4-1/2", Surface Or Box Mounted, LCD Display, 2% RH Accuracy, Occupancy Override, Adjustable Temperature Setpoint Addressing Switch BACnet Temperature And Humidity Sensor (Johnson Controls NS-BPB7003-0).....	392.87	33.24
23 09 23 00-0475 EA 3" x 4-1/2", Surface Or Box Mounted, LCD Display, Occupancy Override, Adjustable Temperature Setpoint, BACnet Temperature Sensor (Johnson Controls NS-BTB7001-0).....	151.89	33.24
23 09 23 00-0476 EA 3" x 4-1/2", Surface Or Box Mounted CO2 Sensor, 0 To 2,000 ppm (Johnson Controls NS-BCN7004-0).....	359.15	33.24
23 09 23 00-0477 Sensors - Hard Wired Type (23 09 23 00-0411)		
23 09 23 00-0478 EA Duct Mount Temperature Sensor, Platinum RT, With Handi-Box (Johnson Controls TFDCR00).....	158.98	59.85
23 09 23 00-0479 EA Well Insertion Temperature Sensor, With Stainless 4-1/2" Well (Johnson Controls TIGB1C0).....	118.61	33.24
23 09 23 00-0480 EA BACnet MS/TP Networked, Single Stage Thermostat (Johnson Controls TEC2601-2).....	274.66	15.59
Note: For fan coil units, unit heaters and single stage packaged heating/cooling equipment.		
23 09 23 00-0481 EA BACnet MS/TP Networked Two Outputs, Dehumidification Capability And Three Speed Fan Control Thermostat (Johnson Controls TEC2616-2).....	360.49	15.59
Note: For two or four pipe fan coils, cabinet unit heaters or other equipment using on/off, floating, or proportional 0 to 10 VDC control input, three speeds of fan control, and dehumidification capability.		
23 09 23 00-0482 EA BACnet MS/TP Networked Thermostats With Two Outputs (Johnson Controls TEC2627VVT-2).....	275.13	15.59
Note: For VVT systems.		
23 09 23 00-0483 EA BACnet MS/TP Zone Controller For Proportional Zone Damper, On/Off Or Proportional Reheat Control (Johnson Controls TEC2647Z-2).....	351.49	33.24
23 09 23 00-0484 EA BACnet Zone Controller With Occupancy Sensor For Proportional Zone Damper, On/Off Or Proportional Reheat Control (Johnson Controls TEC2647Z-2+PIR).....	425.77	33.24
23 09 23 00-0485 Automated Logic Controls (23 09 23)		
23 09 23 00-0486 EA Up To 25 Point, High Speed Ethernet Router (Automated Logic LGR25).....	3,055.60	332.47
23 09 23 00-0487 EA Up To 250 Point, High Speed Ethernet Router (Automated Logic LGR250).....	3,528.46	332.47
23 09 23 00-0488 EA Up To 1,000 Point, High Speed Ethernet Router (Automated Logic LGR1000).....	5,103.27	332.47
23 09 23 00-0489 EA Up 25 Point, Router/Gateway/Processor Multi-Purpose Module (Automated Logic ME-LGR25).....	3,435.58	332.47
23 09 23 00-0490 EA Up 200 Point, Router/Gateway/Processor Multi-Purpose Module (Automated Logic ME-LGR200).....	5,483.25	332.47
23 09 23 00-0491 EA ME812u Controller And Router (Automated Logic ME812u-LGR).....	7,800.00	664.93
23 09 23 00-0492 EA 4 Universal Outputs, 8 Universal Inputs I/O Expander (Automated Logic MEX48u).....	2,453.96	332.47
23 09 23 00-0493 EA 8 Universal Outputs, 8 Universal Inputs I/O Expander (Automated Logic MEX88u).....	2,798.06	332.47
23 09 23 00-0494 EA 0 Universal Outputs, 16 Universal Inputs I/O Expander (Automated Logic MEX016u).....	2,601.74	332.47
23 09 23 00-0495 EA 8 Universal Outputs, 16 Universal Inputs I/O Expander (Automated Logic MEX816u).....	5,929.09	831.17
23 09 23 00-0496 EA 0 Digital Outputs, 8 Universal Inputs, 0 Analog Outputs Standalone Control Module (Automated Logic M0100).....	2,344.47	249.35
23 09 23 00-0497 EA 0 Digital Outputs, 32 Universal Inputs, 0 Analog Outputs Standalone Control Module (Automated Logic M0320).....	5,640.17	748.05
23 09 23 00-0498 EA 2 Digital Outputs, 2 Universal Inputs, 0 Analog Outputs Standalone Control Module (Automated Logic M220nx).....	1,778.72	249.35
23 09 23 00-0499 EA 4 Digital Outputs, 10 Universal Inputs, 6 Analog Outputs Standalone Control Module (Automated Logic M4106nx).....	3,351.14	332.47
23 09 23 00-0500 EA 8 Digital Outputs, 10 Universal Inputs, 2 Analog Outputs Standalone Control Module (Automated Logic M8102nx).....	3,308.92	332.47
23 09 23 00-0501 EA 16 Digital Outputs, 16 Universal Inputs, 0 Analog Outputs Standalone Control Module (Automated Logic M16160).....	5,604.56	664.93
23 09 23 00-0502 EA 8 Digital Outputs, 8 Universal Inputs, 0 Analog Outputs Standalone Control Module (Automated Logic M880nx).....	3,034.49	332.47
23 09 23 00-0503 EA 0 Digital Outputs, 32 Universal Inputs, 0 Analog Outputs Expander Control Module (Automated Logic MX0320).....	2,868.00	249.35
23 09 23 00-0504 EA 16 Digital Outputs, 16 Universal Inputs, 0 Analog Outputs Expander Control Module (Automated Logic MX16160).....	5,351.24	664.93
23 09 23 00-0505 EA No Display, Interior Wall Mounted, Standalone Controller For Heat Pumps, Fan Coil Units And Other Packaged HVAC Equipment (Automated Logic RC642).....	1,120.38	166.24
23 09 23 00-0506 EA With Display, Interior Wall Mounted, Standalone Controller For Heat Pumps, Fan Coil Units And Other Packaged HVAC Equipment (Automated Logic RC642D).....	1,162.60	166.24
23 09 23 00-0507 EA 6 Digital Outputs, 10 Universal Inputs, 4 Analog Outputs Single Equipment Control Module (Automated Logic SE6104a).....	3,795.71	581.82
23 09 23 00-0508 EA 6 Digital Outputs, 16 Universal Inputs, 6 Analog Outputs Single Equipment Control Module (Automated Logic SE6166).....	4,570.17	664.93
23 09 23 00-0509 EA 2 Digital Outputs, 2 Universal Inputs Zone Controller (Automated Logic ZN220).....	1,409.30	249.35
23 09 23 00-0510 EA 2 Digital Outputs, 5 Universal Inputs, 3 Analog Outputs Zone Controller (Automated Logic ZN253).....	1,571.84	249.35
23 09 23 00-0511 EA 3 Digital Outputs, 4 Universal Inputs, 1 Analog Outputs Controller For Pressure Independent VAV Applications (Automated Logic ZN341+).....	1,187.93	166.24
23 09 23 00-0512 EA 1 Digital Outputs, 4 Universal Inputs, 1 Analog Outputs Controller For Pressure Independent VAV Applications (Automated Logic ZN141+).....	1,168.93	166.24

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 09 Instrumentation And Control For HVAC****23 09 23 Direct-Digital Control System For HVAC**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 00-0579 EA Two Position, Pneumatic Circuit, RL243 Switching Relay (Siemens 243-0001).....	129.77	103.89
23 09 23 00-0580 EA 3/4" Two Way, Normally Closed, 6.3 Cv, FxF, Brass Trim, Floating, Spring Return Actuator, Globe Valve And Actuator Assembly (Siemens 260-02012).....	211.18	19.38
23 09 23 00-0581 EA 1" Three Way, 10 Cv, FxF, Stainless Steel Trim. Floating, Spring Return Actuator, Globe Valve And Actuator Assembly (Siemens 266-02079).....	373.77	35.20
23 09 23 00-0582 EA 1" Three Way, 10 Cv, FxF, Brass Trim, 0 To 10 Volt DC, 4 To 20 mA Electronic Spring Return Actuator, Globe Valve And Actuator Assembly (Siemens 274-03203).....	714.02	35.20
23 09 23 00-0583 EA 1-1/4" Two Way, 16 Cv, FxF, Stainless Steel Trim, 0 To 10 Volt DC Electronic Spring Return Actuator, Globe Valve And Actuator Assembly (Siemens 298-03006).....	612.74	44.58
23 09 23 00-0584 EA 36" Rigid Probe, 4 To 20 mA, 20 To 120 Degree F Range, Duct Averaging Sensor (Siemens 535-490-36).....	220.40	59.85
23 09 23 00-0585 EA -58 To 122 Degree F Range, Outside Air Temperature Sensor (Siemens 536-768).....	178.75	33.24
23 09 23 00-0586 EA Unit Conditioner Controller With Secure Mode (Siemens 540-110C).....	1,068.38	166.24
23 09 23 00-0587 EA 9-Pin, Female To RJ-11 Cable (Siemens 540-143).....	62.20	
23 09 23 00-0588 EA Terminal Box Controller, Electronic Output, For Trane (Siemens 540-800).....	1,106.18	166.24
23 09 23 00-0589 EA MMI Extension Cable (Siemens 545-712).....	98.94	
23 09 23 00-0590 EA Remote Pressure Transmitter (Siemens 547-003).....	616.44	33.24
23 09 23 00-0591 EA Cooling Only, GDE, BACnet Actuating Terminal Equipment Controller (Siemens 550-400).....	1,175.87	166.24
23 09 23 00-0592 EA BACnet Unit Conditioner Fan Coil Controller (Siemens 550-433).....	1,098.78	166.24
23 09 23 00-0593 EA Replacement Door Lock And Key Assembly (Siemens 567-225).....	28.55	
23 09 23 00-0594 EA Insight Advanced Software Package (Siemens 571-010-381-USB).....	7,736.84	
Note: Includes one user license and one sentinel key.		
23 09 23 00-0595 EA BACnet Client Option For Insight Advanced Software Package (Siemens 571-188).....	375.46	
23 09 23 00-0596 EA Soft Controller Option For Insight Advanced Software Package (Siemens 571-620).....	1,353.60	
23 09 23 00-0597 EA 1" Steam, Normally Open, 10 Cv, Stainless Steel Trim, Class 250 Globe Valve (Siemens 599-03059).....	245.94	11.70
23 09 23 00-0598 EA 2" Steam, Normally Open, 40 Cv, Stainless Steel Trim, Class 250 Globe Valve (Siemens 599-03062).....	506.22	20.29
23 09 23 00-0599 EA Firefinder XLS Driver, Modular Equipment Controller With RS-485 BLN, 8 DI, 8 DO, 8 AI, 8 AO, Point Expansion Support, HOA-Ready (Siemens 986-83481C).....	8,257.96	415.58
23 09 23 00-0600 EA SiPass Driver, Modular Equipment Controller With RS-485 ALN, 8 DI, 8 DO, 8 AI, 8 AO, Point Expansion Support, Modem With HOA (Siemens 986-83482F).....	9,148.24	415.58
23 09 23 00-0601 EA 7" x 13-7/16" x 3-3/4" Weather Shield (Siemens ASK75.3U).....	90.48	15.59
23 09 23 00-0602 EA Two Position, 24 VAC/VDC, Standard Cabling, Dual Auxillary Switches, Electronic Damper Actuator With Spring Return (Siemens GMA126.1U).....	451.99	94.98
23 09 23 00-0603 EA Modulating, 0 To 10 VDC, , 24 VAC/VDC, Standard Cabling, Electronic Damper Actuator With Spring Return (Siemens GMA161.1U).....	464.59	94.98
23 09 23 00-0604 EA License To Enable 4 TX-I/O Modules On The Island Bus And FLN Support On Models PXC36-E.A And PXC36- PE.A (Siemens LSM-36.A).....	2,738.19	
23 09 23 00-0605 EA License To Enable FLN Support On PXC-16 or PXC-24 "F" Models (Siemens LSM-FLN).....	817.24	
23 09 23 00-0606 EA License To Enable FLN Support On Models PXC36-E.A And PXC36-PE.A (Siemens LSM-FLN36.A).....	1,895.47	
23 09 23 00-0607 EA License To Enable BACnet Field Panel Web Server (PXC-36) Or Web Services (PXC-16/24) (Siemens LSM- FPWEB).....	1,418.38	
23 09 23 00-0608 EA License To Enable 4 TX-I/O Modules On The Island Bus On Models PXC36-E.A And PXC36-PE.A (Siemens LSM-IB36.A).....	1,293.84	
23 09 23 00-0609 EA License To Enable SNMP Agent License To Enable SNMP Agent (Siemens LSM-SNMP).....	3,262.53	
23 09 23 00-0610 EA 16-Switch HOA Upgrade Kit (Siemens PXA16-M).....	438.95	
23 09 23 00-0611 EA 16-Switch HOA Upgrade Kit (Extended Temp, UL 916) With HMI Cable (Siemens PXA16-MR).....	488.96	
23 09 23 00-0612 EA 8-Switch HOA Upgrade Kit (Siemens PXA8-M).....	251.65	
23 09 23 00-0613 EA 18" NEMA Type 1 Enclosure (Utility Cabinet) (Siemens PXA-ENC18).....	407.92	51.95
23 09 23 00-0614 EA 19" NEMA Type 1 Enclosure (Utility Cabinet) (Siemens PXA-ENC19).....	603.53	51.95
23 09 23 00-0615 EA 34" NEMA Type 1 Enclosure (Utility Cabinet) (Siemens PXA-ENC34).....	770.56	51.95
23 09 23 00-0616 EA Serial Cable Required For HOA Or PXM10T/S Connection To Non-Rooftop Variants Of The 16-Point And 24- Point Compact Series (Siemens PXA-HMI.CABLEP5).....	29.43	
23 09 23 00-0617 EA 115 Volt, 24 Volt AC, 50/60 Hertz, 192 VA PX Series Service Box (Siemens PXA-SB115V192VA).....	644.68	51.95
23 09 23 00-0618 EA 115 Volt, 24 Volt AC, 50/60 Hertz, 384 VA PX Series Service Box (Siemens PXA-SB115V384VA).....	896.87	51.95
23 09 23 00-0619 EA 230 Volt, 24 Volt AC, 50/60 Hertz, 192 VA PX Series Service Box (Siemens PXA-SB230V192VA).....	737.59	51.95
23 09 23 00-0620 EA 230 Volt, 24 Volt AC, 50/60 Hertz, 384 VA PX Series Service Box (Siemens PXA-SB230V384VA).....	1,003.07	51.95
23 09 23 00-0621 EA PXC Modular, BACnet/IP Or MS/TP ALN, P1 Or MS/TP FLN, PXX-485.3 Is Also Required As The Connection To The FLN Devices (Siemens PXC00-E96.A).....	5,317.56	581.82
23 09 23 00-0622 EA PXC Modular Series For BACnet Networks, TX-I/O Module, 96 Node (Siemens PXC100-E96.A).....	3,461.63	166.24
23 09 23 00-0623 EA Peer To Peer, TX-I/O, 96 Node, APOGEE Automation System, Programmable Controller - Modular (Siemens PXC100-PE96.A).....	5,955.14	664.93
23 09 23 00-0624 EA 16 Point, BACnet/IP ALN Compact Programmable Controller (Siemens PXC16.2-E.A).....	2,493.06	311.69
23 09 23 00-0625 EA 16 Point, BACnet/IP ALN, P1 Or MS/TP FLN Compact Programmable Controller (Siemens PXC16.2-EF.A).....	2,645.81	311.69
23 09 23 00-0626 EA 16 Point, MS/TP ALN Compact Programmable Controller (Siemens PXC16.2-M.A).....	2,493.06	311.69
23 09 23 00-0627 EA 24 Point, BACnet/IP ALN Compact Programmable Controller (Siemens PXC24.2-E.A).....	3,057.32	332.47
23 09 23 00-0628 EA 24 Point, BACnet/IP ALN, P1 Or MS/TP FLN Compact Programmable Controller (Siemens PXC24.2-EF.A).....	3,133.67	332.47
23 09 23 00-0629 EA 24 Point, BACnet/IP ALN, Rooftop Compact Programmable Controller (Siemens PXC24.2-ER.A).....	3,101.29	332.47
23 09 23 00-0630 EA 24 Point, BACnet/IP ALN, Rooftop, P1 Or MS/TP FLN Compact Programmable Controller (Siemens PXC24.2- ERF.A).....	3,249.01	332.47
23 09 23 00-0631 EA 24 Point, MS/TP ALN Compact Programmable Controller (Siemens PXC24.2-M.A).....	3,057.32	332.47
23 09 23 00-0632 EA 24 Point, MS/TP ALN, Rooftop Compact Programmable Controller (Siemens PXC24.2-MR.A).....	3,173.01	332.47
23 09 23 00-0633 EA 36 Point, BACnet/IP Or MS/TP ALN Compact Programmable Controller (Siemens PXC36-E.A).....	5,014.81	581.82
23 09 23 00-0634 EA 36 Point, BACnet/IP Or MS/TP ALN, Island Bus, P1 Or MS/TP FLN Compact Programmable Controller (Siemens PXC36-EF.A).....	7,596.29	664.93
23 09 23 00-0635 EA License To Enable The Island Bus On PXC00-E96.A and PXC00-PE96.A (Siemens PXC-TXIO.A).....	1,060.50	
23 09 23 00-0636 EA Controller Mounted Operator Display Module With Point Monitor And Optional Blue Backlight (Siemens PXM10S).....	442.12	41.56
23 09 23 00-0637 EA Controller Mounted Operator Display Module (Siemens PXM10T).....	579.39	83.12
23 09 23 00-0638 EA Provides FLN Support For The PXC Modular, Includes Three RS-485 P1 FLN Connections Or One MS/TP FLN Connection, Maximum Of 96 Devices Supported (Siemens PXX-485.3).....	517.12	20.77
23 09 23 00-0639 EA Full Feature With Display, Override And Temperature Setpoint Adjustment, Room Temperature Sensor, 10K Ohm Type III Thermistor (Siemens QAA22SS.FWSN).....	245.50	59.85
23 09 23 00-0640 EA Digital Temperature Room Unit for TEC, Sensing, Setpoint, Override, Display, No Logo (Siemens QAA2280.FWNC).....	165.68	33.24
23 09 23 00-0641 EA 4" Platinum, 1,000 Ohm, 385 Alpha Probe, Immersion Temperature Sensor (Siemens QAE2012.010).....	118.07	33.24



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 00-0642 EA 8" Platinum, 1,000 Ohm, 385 Alpha Probe, Duct Temperature Sensor (Siemens QAM2012.020).....	182.19	59.85
23 09 23 00-0643 EA 24' Flexible Averaging Probe (Siemens QAM2012.750).....	239.67	59.85
23 09 23 00-0644 EA 2 Meter Flexible Duct Temperature Sensor With Four Mounting Clamps (Siemens QAM2120.200).....	233.85	59.85
23 09 23 00-0645 EA 10 HP, 240 Volt, NEMA 2 Variable Frequency Drive (Siemens SED2-7.5/22X).....	2,004.56	334.75
23 09 23 00-0646 EA Two Sets, Address Keys 1 - 12, Accessory For TX-I/O Module (Siemens TXA1.K12).....	26.33	10.39
23 09 23 00-0647 EA Labels For HOA And TX-I/O Modules (Siemens TXA1.LLT-P100).....	0.33	
23 09 23 00-0648 EA 16 Digital Input Module (Siemens TXM1.16D).....	1,104.71	166.24
23 09 23 00-0649 EA 6 Digital Output Relay Points, Manual Override, Digital Output Module (Siemens TXM1.6R-M).....	1,659.64	249.35
23 09 23 00-0650 EA 8 Universal Points, Local Override/Identification, Digital Output Module (Siemens TXM1.8X-ML).....	1,931.32	249.35
23 09 23 00-0651 EA 1.2 A, 4A Fuse, Power Supply (Siemens TXS1.12F4).....	433.12	33.24
23 09 23 00-0652 Cypress Envirosystems Controls (23 09 23)		
23 09 23 00-0653 Wireless Pneumatic Thermostat (23 09 23 00-0652)		
Note: Wireless pneumatic thermostats, hub and repeaters must be installed by installers certified by the manufacturer.		
23 09 23 00-0654 EA Two-Pipe Direct Acting Wireless Pneumatic Thermostat (Cypress Envirosystems WPT-800-T2DP).....	551.99	10.39
Note: One for every thermostat to be retrofitted.		
For >50 To 200, Deduct		
	-28.77	
For >200, Deduct		
	-57.48	
23 09 23 00-0655 EA Two-Pipe Reverse Acting Wireless Pneumatic Thermostat (Cypress Envirosystems WPT-800-T2RP).....	551.99	10.39
Note: One for every thermostat to be retrofitted.		
For >50 To 200, Deduct		
	-28.77	
For >200, Deduct		
	-57.48	
23 09 23 00-0656 EA Single-Pipe Direct Acting Wireless Pneumatic Thermostat (Cypress Envirosystems WPT-800-T1DP).....	551.99	10.39
Note: One for every thermostat to be retrofitted.		
For >50 To 200, Deduct		
	-28.77	
For >200, Deduct		
	-57.48	
23 09 23 00-0657 EA Single-Pipe Indirect Acting Wireless Pneumatic Thermostat (Cypress Envirosystems WPT-800-T1RP).....	551.99	10.39
Note: One for every thermostat to be retrofitted.		
For >50 To 200, Deduct		
	-28.77	
For >200, Deduct		
	-57.48	
23 09 23 00-0658 EA Two-Pipe Direct Acting Deadband Wireless Pneumatic Thermostat (Cypress Envirosystems WPT-800-T2DP-DB).....	629.04	10.39
Note: One for every thermostat to be retrofitted.		
For >50 To 200, Deduct		
	-33.05	
For >200, Deduct		
	-66.04	
23 09 23 00-0659 EA Two-Pipe Reverse Acting Deadband Wireless Pneumatic Thermostat (Cypress Envirosystems WPT-800-T2RP-DB).....	629.04	10.39
Note: One for every thermostat to be retrofitted.		
For >50 To 200, Deduct		
	-33.05	
For >200, Deduct		
	-66.04	
23 09 23 00-0660 EA Single-Pipe Direct Acting Deadband Wireless Pneumatic Thermostat (Cypress Envirosystems WPT-800-T1DP-DB).....	629.04	10.39
Note: One for every thermostat to be retrofitted.		
For >50 To 200, Deduct		
	-33.05	
For >200, Deduct		
	-66.04	
23 09 23 00-0661 EA Single-Pipe Indirect Acting Deadband Wireless Pneumatic Thermostat (Cypress Envirosystems WPT-800-T1RP-DB).....	629.04	10.39
Note: One for every thermostat to be retrofitted.		
For >50 To 200, Deduct		
	-33.05	
For >200, Deduct		
	-66.04	
23 09 23 00-0662 EA Wireless Pneumatic Thermostat Blank Cover (Cypress Envirosystems WPT-800-MCOV).....	43.42	10.39
Note: Optional cover.		
For >50 To 200, Deduct		
	-1.84	
For >200, Deduct		
	-3.67	
23 09 23 00-0663 EA Green Box Controller (Cypress Envirosystems GBC-800-001).....	3,358.34	10.39
Note: One unit for up to 100 thermostats.		
For 2, Deduct		
	-163.62	
For >2, Deduct		
	-326.94	
23 09 23 00-0664 EA WPT USB Hub (Cypress Envirosystems WPT-800-HUSB).....	378.01	10.39
Note: One unit for up to 100 thermostats.		
For 2, Deduct		
	-20.44	
For >2, Deduct		
	-40.84	
23 09 23 00-0665 EA WPT Repeater (Cypress Envirosystems WPT-800-RWAL).....	437.23	10.39
Note: One unit for up to 15 thermostats.		
For >5 To 10, Deduct		
	-21.42	
For >10, Deduct		
	-42.80	
23 09 23 00-0666 EA 24 Volt, WPT Repeater (Cypress Envirosystems WPT-800-RWAL24V).....	551.92	10.39
Note: One unit for up to 15 thermostats.		
For >5 To 10, Deduct		
	-24.91	
For >10, Deduct		
	-49.78	
23 09 23 00-0667 Melink Intelli-Hood IH3 Controls (23 09 23)		
23 09 23 00-0668 Kitchen Ventilation Controllers (23 09 23 00-0667)		
23 09 23 00-0669 EA Fully Programmable Kitchen Ventilation Controller (Melink Intelli-Hood 2SYS-3001).....	6,449.26	415.58
Note: RS-485 communication protocol supports up to 39 Hood Controllers, 10 graphical user interface devices, 10 auxiliary power supplies, and 10 auxiliary light controllers. Modbus VFD communications interface for support of up to 64 variable frequency drives, programmable I/O points include: 3 digital inputs, 4 digital outputs, 1 analog output, and 1 analog input. BACnet over TCP/IP Interface, Real-Time Clock with battery back-up.		
23 09 23 00-0670 EA Graphical User Interface (Melink Intelli-Hood 2KPD-3001).....	1,078.50	85.72
Note: Full color 2.5" display and programming interface device. RS-485 communication protocol for interface with main controller.		

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 09 Instrumentation And Control For HVAC****23 09 23 Direct-Digital Control System For HVAC**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 00-0671 EA Hood Controller (Melink Intelli-Hood 2SEN-3001)..... Note: 6 point field I/O device, RS-485 communication protocol, supports up to 4 field temperature sensors and 1 optic sensor system.	1,998.51	345.97
23 09 23 00-0672 Kitchen Ventilation Sensors (23 09 23 00-0667)		
23 09 23 00-0673 EA Duct Mount Stainless Steel RTD (Melink Intelli-Hood 2SEN-3005-Q) Note: Includes UL listed mounting compression fitting, stainless steel probe protection sleeve, RJ-45 communication connector.	346.53	59.85
23 09 23 00-0674 EA Optic Sensor System For Detection Of Cooking Effluent (Melink Intelli-Hood 2SEN-3004-28) Note: Includes air purge unit, infrared emitter/receiver with stainless steel housings. Auto-calibration, 0.2 second response time, conformal-coated circuit boards, purge pipe assembly complete with UL listed compression fittings, communication interface cables and blower box assembly.	2,800.13	332.47
23 09 23 00-0675 Control Sensors, Meters, Relays, Power Supplies, Valves, Dampers And Actuators (23 09 23)		
23 09 23 00-0676 Temperature Sensors (23 09 23 00-0675)		
23 09 23 00-0677 EA 10K Ohm Thermistor Duct Temperature Sensor (Kele ST-D24).....	175.97	59.85
23 09 23 00-0678 EA 10K Ohm Thermistor Duct Temperature Sensor, 1/2" LB Conduit Fitting (Kele ST-D24-XCO).....	200.51	59.85
23 09 23 00-0679 EA 10K Ohm Thermistor Duct Temperature Sensor With Greenfield Fitting (Kele ST-D24-XG).....	179.38	59.85
23 09 23 00-0680 EA 10K Ohm Thermistor Duct Temperature Sensor With Handibox Housing (Kele ST-D24-XH).....	177.75	59.85
23 09 23 00-0681 EA 10K Ohm Thermistor Duct Temperature Sensor With Handibox Housing, 18" Probe (Kele ST-D24-XH-XL18).....	223.60	59.85
23 09 23 00-0682 EA 10K Ohm Thermistor Duct Temperature Sensor With Handibox Housing, 6" Probe (Kele ST-D24-XH-XL6).....	186.85	59.85
23 09 23 00-0683 EA 10K Ohm Thermistor Duct Temperature Sensor With Non Metallic Handibox Housing (Kele ST-D24-XHP).....	178.51	59.85
23 09 23 00-0684 EA 10K Ohm Thermistor Duct Temperature Sensor With 4" Probe (Kele ST-D24-XL4).....	195.22	59.85
23 09 23 00-0685 EA 10K Ohm Thermistor Duct Temperature Sensor With Weatherproof Housing (Kele ST-D24-XW).....	191.13	59.85
23 09 23 00-0686 EA 10K Ohm Thermistor Outdoor Air Temperature Sensor (Kele ST-O24).....	247.80	83.12
23 09 23 00-0687 EA 10K Ohm Thermistor Outdoor Air Temperature Sensor With 25' Lead (Kele ST-O24-XC25).....	253.62	83.12
23 09 23 00-0688 EA Delta Style Surface Mounted 10K Ohm Thermistor Room Temperature Sensor (Kele BA/10K3-R-N-DF).....	101.77	33.24
23 09 23 00-0689 EA Delta Style Surface Mounted AD592 Room Temperature Sensor (Kele BA/592-10K-R).....	104.23	33.24
23 09 23 00-0690 EA Stainless Steel Plate 1K Ohm Room Temperature Sensor (Kele BA/1K8-SP).....	104.23	33.24
23 09 23 00-0691 Water Temperature Sensors (23 09 23 00-0675)		
23 09 23 00-0692 EA 5" Immersion 20K Ohm Water Temp Sensor (Honeywell C7041D2001).....	130.69	64.31
23 09 23 00-0693 EA Strap-On 20K Ohm Water Temp Sensor (Honeywell C7041K2005).....	316.04	64.31
23 09 23 00-0694 Relative Humidity Sensors (23 09 23 00-0675)		
23 09 23 00-0695 EA 3% Duct Mounted RH Sensor (Kele HD30K).....	337.18	59.85
23 09 23 00-0696 EA 10K Ohm Thermistor 3% Duct Mounted RH Sensor (Kele HD30K-T3).....	346.90	59.85
23 09 23 00-0697 EA 3% RH Outdoor Air Sensor (Kele HO30K).....	403.83	83.12
23 09 23 00-0698 EA 2% Surface Mounted RH Transmitter (Kele HW20K).....	277.41	33.24
23 09 23 00-0699 Pressure Sensors (23 09 23 00-0675)		
23 09 23 00-0700 EA Differential Pressure Transmitters With NEMA 1 Case, 0 To .5" W.C. (Kele T30-005).....	420.08	70.19
23 09 23 00-0701 EA Differential Pressure Transmitters With NEMA 1 Case, 0 To 5" W.C. (Kele T30-050).....	389.28	70.19
23 09 23 00-0702 EA Adjustable Differential Pressure Switches, .05 To 12" W.C. (Kele AFS-222).....	205.54	70.19
23 09 23 00-0703 EA Adjustable Differential Pressure Switches, .05 To 2" W.C. (Kele AFS-262).....	207.07	70.19
23 09 23 00-0704 EA Manual Reset Adjustable Differential Pressure Switches, .4 To 2" W.C. (Kele AFS-460).....	217.99	70.19
23 09 23 00-0705 EA Adjustable Differential Pressure Switches, .05 To 12" W.C., 1/8" NPT (Kele AFS-145).....	204.55	70.19
23 09 23 00-0706 EA Water Differential Pressure Transmitter, 0 To 100psid, Bypass Valve Assembly Option (Kele 360C-P210D-BVA)..... Note: Excludes pipe fittings.	1,524.04	70.19
23 09 23 00-0707 EA Water Differential Pressure Transmitter, 0 To 60psid, Bypass Valve Assembly Option (Kele 360C-P160D-BVA)..... Note: Excludes pipe fittings.	1,524.04	70.19
23 09 23 00-0708 EA Magnahelic Gauge.....	494.02	42.91
23 09 23 00-0709 Water Flow Meters (23 09 23 00-0675)		
23 09 23 00-0710 EA Insertion Electromagnetic Water Flow Meter (Onicon F-3500)..... Note: Excludes pipe fittings.	2,770.84	98.46
23 09 23 00-0711 EA Dual Turbine Insertion Flow Meter With Analog Output (Onicon F-1210)..... Note: Excludes pipe fittings.	181.42	32.82
23 09 23 00-0712 Air Flow Monitoring Stations (23 09 23 00-0675)		
23 09 23 00-0713 EA Analog Transmitter, 2 Point, 3 Sensor Air Flow Monitoring Station (Eatron GTA116) Note: 10' cable, 36" x 24" typical duct size.	2,214.96	110.53
23 09 23 00-0714 EA Analog Transmitter, 3 Point, 4 Sensor Air Flow Monitoring Station (Eatron GTA116) Note: 10' cable, 48" x 36" typical duct size.	3,125.48	110.53
23 09 23 00-0715 EA Analog Transmitter, 4 Point, 4 Sensor Air Flow Monitoring Station (Eatron GTA116) Note: 10' cable, 60" x 48" typical duct size.	3,859.56	110.53
23 09 23 00-0716 Gas Sensors (23 09 23 00-0675)		
23 09 23 00-0717 EA 6-1/4" x 6-1/8" CO2 Sensor, 0-2,000 ppm (Kele WCO-1B).....	1,153.20	49.87
23 09 23 00-0718 EA Wall Mounted CO2 Sensor, 0-2,000 ppm With LCD Display (Kele CD-AW-LCD).....	436.77	33.24



Heating, Ventilating, And Air-Conditioning (HVAC)	23
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	MINOR CSI UOM DESCRIPTION		TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	23 09 23 00-0719	EA CO Monitor/Transmitter, 0 To 250 ppm (Kele GMT-CO-S2)..... Note: Solid state sensor.	926.46	49.87
	23 09 23 00-0720	EA CO2 Transmitter, Duct Mount, No Display, 0-10 Volt DC Out, 24 Volt AC/Volt DC, 0-10 Or 4-20mA, 0-2,000 ppm Range With CD-AD Duct Probe Assembly (CDE CD-AD-LCD; CD-AD)	534.90	59.85
23 09 23 00-0721	Room Pressure Monitoring (23 09 23 00-0675)			
	23 09 23 00-0722	EA Hospital Room Pressure Monitor With Digital Interface Monitor, Through Wall Sensor Transformer And Plenum Rated Cable (TSI 8640-PM)	1,829.18	57.56
	23 09 23 00-0723	EA Hospital Room Pressure Controller With Digital Interface Monitor, Through Wall Sensor Transformer And Plenum Rated Cable (TSI 8630-PC)..... Note: Excludes dampers and actuators.	2,887.62	57.56
	23 09 23 00-0724	EA Hospital Room Pressure Status Remote Visual Display (TSI 8694-4).....	249.24	34.53
	23 09 23 00-0725	EA Hospital Room Pressure Status Remote Negative/Neutral Key Switch (TSI 8694-7)	283.02	34.53
23 09 23 00-0726	Current Switches And Current Sensors (23 09 23 00-0675)			
	23 09 23 00-0727	EA Current Sensor, 0-20 Amp, 0-5 Volt DC (Senva C-1203)	99.34	33.24
	23 09 23 00-0728	EA Current Sensor, 0-20 Amp, 4-20mA (Senva C-1205)	101.36	33.24
	23 09 23 00-0729	EA VFD Current Switch, 0.5-135 Amp Range, Split Core (Senva C-2350VFD-L).....	122.67	33.24
	23 09 23 00-0730	EA Current Switch, 0.15-100 Amp Range, Split Core With NC Command Relay (Senva C-2300 And CR4-24).....	105.45	33.24
	23 09 23 00-0731	EA DC Current Sensor, Split Core, 0-50/100/200 Amp (Selectable), 4-20mA, 0-5 Volt DC (Veris H970HCA).....	173.75	33.24
	23 09 23 00-0732	EA DC Current Sensor, Split Core, 0-20/40/80 Amp (Selectable), 0-20mA, 0-5 Volt DC (Veris H970LCC).....	173.75	33.24
	23 09 23 00-0733	EA Current Switch, 1-135 Amp, N.O. Contact 1A @ 110 Volt (Veris H709).....	124.10	33.24
	23 09 23 00-0734	EA Current Switch, 0-10/20/40 Amp, 4-20mA Analog Output, Solid Core, Loop Powered (Veris H721).....	133.07	33.24
	23 09 23 00-0735	EA Energy Meter H8163 Series, With BACnet Output (Veris H8186-CB-BAC).....	3,051.81	166.24
	23 09 23 00-0736	EA Power Transducer, Modbus RTU, 100 Amp (Veris H8035-0100-2)..... Note: 3 phase networked transducer.	479.59	33.24
	23 09 23 00-0737	EA Energy Meter, Three Current Switches, Pulse Output, Phase Loss Alarm Output, 2,400 Amp (Veris H8163-2400- 4-3).....	700.83	33.24
	23 09 23 00-0738	EA Current Transducer, 0-20 Amp, 0-5 Volt DC (Kele 4CTV)	171.00	33.24
	23 09 23 00-0739	EA Solid Core Fixed Setpoint Digital Output Current Switch (Veris H-800)	254.69	88.31
	23 09 23 00-0740	EA Split Core Fixed Setpoint Digital Output Current Switch (Veris H-900).....	262.12	88.31
	23 09 23 00-0741	EA Solid Core Adjustable Setpoint Digital Output Current Sensor (Veris H-708)	270.61	88.31
	23 09 23 00-0742	EA Split Core Adjustable Setpoint Digital Output Current Sensor (Veris H-908)	281.23	88.31
	23 09 23 00-0743	EA Solid And Split Core Adjustable Setpoint Digital Output VFD Current Switch (Veris H-904)	306.67	88.31
	23 09 23 00-0744	EA Toggle Switch	111.31	41.56
	23 09 23 00-0745	EA Maintained Pushbutton Switch.....	116.09	41.56
	23 09 23 00-0746	EA Manual Time Switch	161.16	41.56
	23 09 23 00-0747	EA Emergency Stop Switch.....	241.76	41.56
	23 09 23 00-0748	EA Float Switch	275.68	41.56
	23 09 23 00-0749	EA Break Glass Switch.....	757.16	41.56
	23 09 23 00-0750	EA Boiler E-Stop Switch.....	553.45	41.56
23 09 23 00-0751	Relays (23 09 23 00-0675)			
	23 09 23 00-0752	EA DPDT, 24 Volt AC, Blade, Standard Relay (Kele RH2B-UAC24V)	93.25	33.24
	23 09 23 00-0753	EA SPDT, 24 Volt AC/Volt DC, 120 Volt AC Multi-Voltage Relay Module (Kele PAM-1).....	102.47	33.24
	23 09 23 00-0754	EA SPDT, 24 Volt AC/Volt DC, 120 Volt AC Power Relay (Kele RIB2401B)..... Note: Box type.	132.39	41.56
	23 09 23 00-0755	EA Motor Starter Interface, 300msec Pulse (Kele PIL-2)	153.67	33.24
	23 09 23 00-0756	EA DP Relay Socket, DIN Rail Mounted (Kele SH2B-05)	89.70	33.24
	23 09 23 00-0757	EA SP Relay Socket, DIN Rail Mounted (Kele SH1B-05).....	88.02	33.24
	23 09 23 00-0758	EA SPDT, 24 Volt AC, Blade, Standard Relay (Kele RH1B-UAC24V).....	92.21	33.24
	23 09 23 00-0759	EA DPDT, 24 Volt AC, Blade, Indicator Light Relay (Kele RH2B-ULAC24V)	88.42	33.24
	23 09 23 00-0760	EA SPDT, 24 Volt AC, Blade, Indicator Light Relay (Kele RH1B-ULAC24V).....	95.62	33.24
	23 09 23 00-0761	EA SPDT Pilot Relay, Universal (Kele RIBU1C)..... Note: Box type.	123.10	41.56
	23 09 23 00-0762	EA SPST Pilot Relay With HOA Switch (Kele RIBU1S)	131.43	41.56
	23 09 23 00-0763	EA SPDT 3 Phase Line Voltage Monitor, .1-5 Minute Delay On Break Timer (ICM400)	240.72	41.56
	23 09 23 00-0764	EA SPDT 3-Phase Line Voltage Monitor, 0-10 Minute Delay On Break Timer (ICM450).....	281.26	41.56
23 09 23 00-0765	Surge Protectors (23 09 23 00-0675)			
	23 09 23 00-0766	EA Surge Protector, T100's, Summit, BCU, UPCM, PCM, TCM (Transtector TR2255)	186.05	8.32
	23 09 23 00-0767	EA Surge Protector, 1AC Outlet (Transtector TR2251)	142.44	8.32
	23 09 23 00-0768	EA Surge Protector, 2 AC Outlets (Transtector TR2254).....	217.48	8.32
	23 09 23 00-0769	EA Surge Protector, DB-15 Connection (Transtector TR2259-DLP15)	121.14	8.32
	23 09 23 00-0770	EA Surge Protector, DB-25 Connection (Transtector TR2259-DLP25)	121.14	8.32
	23 09 23 00-0771	EA Surge Protector, DB-9 Connection (Transtector TR2259-DLP9)	121.14	8.32
	23 09 23 00-0772	EA Surge Protector, Individual Wire Connection (Transtector TR2258).....	171.85	8.32
	23 09 23 00-0773	EA Surge Protector, Trane Communication Links (Transtector TR2257).....	108.97	8.32
23 09 23 00-0774	Transformers (23 09 23 00-0675)			
	23 09 23 00-0775	EA 50 VA, 120/240/277/480-24 Volt AC, CB Foot And Single Hub Control Transformer (Veris X050CBA).....	110.14	33.24
	23 09 23 00-0776	EA 75 VA, 120-24 Volt AC, CB Foot And Dual Hub Control Transformer (Veris X075CAB)	117.56	33.24
	23 09 23 00-0777	EA 75 VA, 120/208/240/480-24 Volt AC, CB Foot And Single Hub Control Transformer (Veris X075CBA).....	120.85	33.24
	23 09 23 00-0778	EA 100 VA, 120-24 Volt AC, CB Foot And Dual Hub Control Transformer (Veris X100CAB)	124.30	33.24
	23 09 23 00-0779	EA 100 VA, 120/240/277/480-24 Volt AC, CB Foot And Single Hub Control Transformer (Veris X100CBA).....	132.79	33.24

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 09 Instrumentation And Control For HVAC****23 09 23 Direct-Digital Control System For HVAC**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 00-0780 Power Supplies <small>(23 09 23 00-0675)</small>		
23 09 23 00-0781 EA Solid Core Current Operated Switch, Terminals, Adjustable Trip, 0.5-150A, SPST (Kele RIBXKTA).....	135.91	33.24
23 09 23 00-0782 EA AC/DC Power Supply, 1.2 Amp @ 24 Volt Output (Kele DCPA-1.2).....	156.22	33.24
23 09 23 00-0783 EA DC Power Supply, 5 Volt DC And 24 Volt DC Output (Kele DCP-524).....	144.86	33.24
23 09 23 00-0784 EA DC Power Supply, 24 Volt DC, DIN Rail Mounted (Kele DCP-250-D).....	149.03	33.24
23 09 23 00-0785 EA DC Power Supply, 24 Volt DC, Hub Mounted (Kele DCP-250-H).....	149.03	33.24
23 09 23 00-0786 EA DC Power Supply, 24 Volt DC, Panel Mounted (Kele DCP-250-P).....	149.03	33.24
23 09 23 00-0787 EA DC Power Supply, 24 Volt AC In To Custom DC Out, At 1.5 Amp (Kele DCP-1.5-W-C).....	124.52	33.24
23 09 23 00-0788 Control Damper Actuators <small>(23 09 23 00-0675)</small>		
23 09 23 00-0789 EA 44 IN-LB, 24 Volt AC, 4-20mA, 2-10 Volt DC, Proportional Control, Non Spring Return Direct Coupled Control Damper Actuator (Belimo LMB24-SR).....	458.67	95.12
23 09 23 00-0790 EA 90 IN-LB, 24 Volt AC/DC, 4-20mA, 2-10 Volt DC, Proportional Control, Non Spring Return Direct Coupled Control Damper Actuator (Belimo NMB24-SR).....	476.76	95.12
23 09 23 00-0791 EA 90 IN-LB, 2 Position, 24 To 240 Volt AC Spring Return Direct Coupled Control Damper Actuator (Belimo NFBUP).....	537.45	95.12
23 09 23 00-0792 EA 175 IN-LB, 24 Volt AC, 4-20mA, 2-10 Volt DC, Proportional Control, Non-Spring Return Direct Coupled Control Damper Actuator (Belimo AMB24-SR).....	549.16	95.12
23 09 23 00-0793 EA 90 IN-LB, 24 Volt AC, 4-20mA, 2-10 Volt DC, Proportional Control, Spring Return Direct Coupled Control Damper Actuator (Belimo NFB24-SR).....	576.84	95.12
23 09 23 00-0794 EA 360 IN-LB, 24 Volt AC, 4-20mA, 2-10 Volt DC, Proportional Control, Non-Spring Return Direct Coupled Control Damper Actuator (Belimo GMB24-SR).....	618.36	95.12
23 09 23 00-0795 Valves With Actuator <small>(23 09 23 00-0675)</small>		
23 09 23 00-0796 EA 1/2" 2-Way Bronze Globe Valve With Actuator (Belimo G215+NV24-MFT US).....	426.68	14.38
23 09 23 00-0797 EA 3/4" 2-Way Bronze Globe Valve With Actuator (Belimo G220+NV24-MFT US).....	445.58	19.38
23 09 23 00-0798 EA 1" 2-Way Bronze Globe Valve With Actuator (Belimo B225+NV24-MFT US).....	489.84	23.46
23 09 23 00-0799 EA 1-1/4" 2-Way Bronze Globe Valve With Actuator (Belimo B232+NV24-MFT US).....	538.48	29.72
23 09 23 00-0800 EA 1-1/2" 2-Way Bronze Globe Valve With Actuator (Belimo G240+NV24-MFT US).....	613.80	34.30
23 09 23 00-0801 EA 2" 2-Way Bronze Globe Valve With Actuator (Belimo G250+NV24-MFT US).....	695.41	40.53
23 09 23 00-0802 EA 2-1/2" 2-Way Bronze Globe Valve With Actuator (Belimo G665+GMX24-MFTX1).....	1,305.62	81.06
23 09 23 00-0803 EA 3" 2-Way Bronze Globe Valve With Actuator (Belimo G680+GMX24-MFTX1).....	1,422.11	94.86
23 09 23 00-0804 EA 4" 2-Way Bronze Globe Valve With Actuator (Belimo G6100C+GMX24-MFTX1).....	1,930.37	139.34
23 09 23 00-0805 EA 5" 2-Way Bronze Globe Valve With Actuator (Belimo G6125C+GMX24-MFTX1).....	2,835.99	201.36
23 09 23 00-0806 EA 6" 2-Way Bronze Globe Valve With Actuator (Belimo G6150C+GMX24-MFTX1).....	3,141.18	222.93
23 09 23 00-0807 EA 1/2" 3-Way Bronze Globe Valve With Actuator (Belimo G315+NV24-MFT US).....	464.89	21.57
23 09 23 00-0808 EA 3/4" 3-Way Bronze Globe Valve With Actuator (Belimo G320+NV24-MFT US).....	485.77	29.08
23 09 23 00-0809 EA 1" 3-Way Bronze Globe Valve With Actuator (Belimo G325+NV24-MFT US).....	529.82	35.20
23 09 23 00-0810 EA 1-1/4" 3-Way Bronze Globe Valve With Actuator (Belimo G332+NV24-MFT US).....	592.68	44.58
23 09 23 00-0811 EA 1-1/2" 3-Way Bronze Globe Valve With Actuator (Belimo G340+NV24-MFT US).....	755.68	51.45
23 09 23 00-0812 EA 2" 3-Way Bronze Globe Valve With Actuator (Belimo G350+NV24-MFT US).....	841.87	60.80
23 09 23 00-0813 EA 2-1/2" 3-Way Bronze Globe Valve With Actuator (Belimo G765+GMX24-MFTX1).....	1,500.64	121.60
23 09 23 00-0814 EA 3" 3-Way Bronze Globe Valve With Actuator (Belimo G780+GMX24-MFTX1).....	1,657.78	142.30
23 09 23 00-0815 EA 4" 3-Way Bronze Globe Valve With Actuator (Belimo G7100+2"GMX24-MFTX1).....	2,414.29	209.00
23 09 23 00-0816 EA 5" 3-Way Bronze Globe Valve With Actuator (Belimo G7125+2"GMX24-MFTX1).....	3,500.77	302.03
23 09 23 00-0817 EA 6" 3-Way Bronze Globe Valve With Actuator (Belimo G7150+2"GMX24-MFTX1).....	3,890.43	334.39
23 09 23 00-0818 EA 1/2" Two Way Brass Zone Valve With Actuator (Belimo ZONE215N-35+ZONE24NC).....	122.19	14.38
23 09 23 00-0819 EA 3/4" Two Way Brass Zone Valve With Actuator (Belimo ZONE220N-50+ZONE24NC).....	143.22	19.38
23 09 23 00-0820 EA 1" Two Way Brass Zone Valve With Actuator (Belimo ZONE225N-80+ZONE24NC).....	181.21	23.46
23 09 23 00-0821 EA 1/2" Two Way Brass Zone Valve With Actuator (Belimo ZONE315N-35+ZONE24NC).....	148.70	21.57
23 09 23 00-0822 EA 3/4" Two Way Brass Zone Valve With Actuator (Belimo ZONE320N-50+ZONE24NC).....	174.90	29.08
23 09 23 00-0823 EA 1" Two Way Brass Zone Valve With Actuator (Belimo ZONE325N-80+ZONE24NC).....	218.95	35.20
23 09 23 00-0824 EA 1/2" 2-Way Brass Ball Valve With Actuator (Belimo B215B+LRB24-3).....	166.91	14.38
23 09 23 00-0825 EA 3/4" 2-Way Brass Ball Valve With Actuator (Belimo B220B+LRB24-3).....	215.60	19.38
23 09 23 00-0826 EA 1" 2-Way Brass Ball Valve With Actuator (Belimo B225+LRB24-3).....	225.81	23.46
23 09 23 00-0827 EA 1-1/4" 2-Way Brass Ball Valve With Actuator (Belimo B232+ARB24-3).....	294.69	29.72
23 09 23 00-0828 EA 1-1/2" 2-Way Brass Ball Valve With Actuator (Belimo B240+ARB24-3).....	306.13	34.30
23 09 23 00-0829 EA 2" 2-Way Brass Ball Valve With Actuator (Belimo B250+ARB24-3).....	387.70	40.53
23 09 23 00-0830 EA 2-1/2" 2-Way Brass Ball Valve With Actuator (Belimo B265+ARB24-3).....	829.74	81.06
23 09 23 00-0831 EA 3" 2-Way Brass Ball Valve With Actuator (Belimo B280+ARB24-3).....	973.90	94.86
23 09 23 00-0832 EA 1/2" 3-Way Brass Ball Valve With Actuator (Belimo B315B+LRB24-3).....	204.06	21.57
23 09 23 00-0833 EA 3/4" 3-Way Brass Ball Valve With Actuator (Belimo B320B+LRB24-3).....	237.73	29.08
23 09 23 00-0834 EA 1" 3-Way Brass Ball Valve With Actuator (Belimo B325+LRB24-3).....	305.19	35.20
23 09 23 00-0835 EA 1-1/4" 3-Way Brass Ball Valve With Actuator (Belimo B331+ARB24-3).....	430.85	44.58
23 09 23 00-0836 EA 1-1/2" 3-Way Brass Ball Valve With Actuator (Belimo B341+ARB24-3).....	456.52	51.45
23 09 23 00-0837 EA 2" 3-Way Brass Ball Valve With Actuator (Belimo B352+ARB24-3).....	595.93	60.80
23 09 23 00-0838 EA 2" 2-Way Butterfly Valve With Actuator (Belimo F650HD+AMB24-3X1).....	509.43	74.31
23 09 23 00-0839 EA 2-1/2" 2-Way Butterfly Valve With Actuator (Belimo F665HD+AMB24-3X1).....	535.90	81.06
23 09 23 00-0840 EA 3" 2-Way Butterfly Valve With Actuator (Belimo F680HD+GMB24-3X1).....	697.09	94.86
23 09 23 00-0841 EA 4" 2-Way Butterfly Valve With Actuator (Belimo F6100HD+2"GMX24-3X1).....	1,108.19	159.24
23 09 23 00-0842 EA 5" 2-Way Butterfly Valve With Actuator (Belimo F6125HD+SY2-24).....	2,042.84	201.36
23 09 23 00-0843 EA 6" 2-Way Butterfly Valve With Actuator (Belimo F6150HD+SY3-24).....	2,211.75	222.93
23 09 23 00-0844 EA 8" 2-Way Butterfly Valve With Actuator (Belimo F6200HD+SY4-24).....	3,038.74	254.78
23 09 23 00-0845 EA 10" 2-Way Butterfly Valve With Actuator (Belimo F6250HD+SY4-24).....	3,810.10	312.11
23 09 23 00-0846 EA 12" 2-Way Butterfly Valve With Actuator (Belimo F6300HS+SY4-24).....	4,513.34	378.31
23 09 23 00-0847 EA 14" 2-Way Butterfly Valve With Actuator (Belimo F6350HD+SY5-24).....	5,030.38	445.86
23 09 23 00-0848 EA 16" 2-Way Butterfly Valve With Actuator (Belimo F6400HD+SY6-110).....	6,593.99	490.45
23 09 23 00-0849 EA 18" 2-Way Butterfly Valve With Actuator (Belimo F6450HD+SY8-110).....	7,961.76	544.84



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 00-0850	EA			2" 3-Way Butterfly Valve With Actuator (Belimo F750HD+AMB24-3X1).....	924.90	111.46
23 09 23 00-0851	EA			2-1/2" 3-Way Butterfly Valve With Actuator (Belimo F765HD+GMB24-3X1).....	1,083.32	121.60
23 09 23 00-0852	EA			3" 3-Way Butterfly Valve With Actuator (Belimo F780HD+2"GMB24-3X1).....	1,333.08	142.30
23 09 23 00-0853	EA			4" 3-Way Butterfly Valve With Actuator (Belimo F7100HD+2"GMB24-3X1).....	1,809.74	238.85
23 09 23 00-0854	EA			5" 3-Way Butterfly Valve With Actuator (Belimo F7125HD+SY3-24).....	3,269.74	302.03
23 09 23 00-0855	EA			6" 3-Way Butterfly Valve With Actuator (Belimo F7150HD+SY3-24).....	3,734.98	334.39
23 09 23 00-0856	EA			8" 3-Way Butterfly Valve With Actuator (Belimo F7200HD+SY4-24).....	4,597.61	382.20
23 09 23 00-0857	EA			10" 3-Way Butterfly Valve With Actuator (Belimo F7250HD+SY4-24).....	6,065.56	468.16
23 09 23 00-0858	EA			12" 3-Way Butterfly Valve With Actuator (Belimo F7300HD+SY5-24).....	5,770.86	567.47
23 09 23 00-0859	EA			14" 3-Way Butterfly Valve With Actuator (Belimo F7350HD+SY6-110).....	7,191.63	668.79
23 09 23 00-0860	EA			16" 3-Way Butterfly Valve With Actuator (Belimo F7400HD+SY7-110).....	12,794.22	735.67
23 09 23 00-0861	EA			18" 3-Way Butterfly Valve With Actuator (Belimo F7450HD+SY8-110).....	18,935.71	817.27
23 09 23 00-0862				Valve Actuators <small>(23 09 23 00-0675)</small>		
23 09 23 00-0863	EA			24 Volt AC/DC Power Supply, On/Off/Floating Point Control Input, Terminal Strip, 90 Seconds Run Time, 45 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo LRX24-3-T).....	396.02	92.09
23 09 23 00-0864	EA			24 Volt AC/DC Power Supply, On/Off/Floating Point Control Input, 95 Seconds Run Time, 45 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo LRX24-3).....	403.68	92.09
23 09 23 00-0865	EA			24 Volt AC/DC Power Supply, 2-10 Volt DC Control Input, Terminal Strip, 90 Seconds Run Time, 45 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo LRX24-SR-T).....	436.42	92.09
23 09 23 00-0866	EA			24 Volt AC/DC Power Supply, On/Off/Floating Point Control Input, Auxiliary Switch, 90 Seconds Run Time, 45 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo LRX24-3-S).....	447.74	92.09
23 09 23 00-0867	EA			24 Volt AC/DC Power Supply, 2-10 Volt DC Control Input, 90 Seconds Run Time, 45 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo LRX24-SR).....	450.60	92.09
23 09 23 00-0868	EA			24 Volt AC/DC Power Supply, Proportional/Multi-Function Control Input, 150 Seconds Run Time, 45 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo LRX24-MFT).....	495.12	92.09
23 09 23 00-0869	EA			24 Volt AC/DC Power Supply, On/Off Control Input, 2.5 Seconds Run Time, 35 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo LRX24-1).....	516.20	92.09
23 09 23 00-0870	EA			24 Volt AC/DC Power Supply, 0-135 Ohms Control Input, 150 Seconds Run Time, 45 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo LRX24-MFT95).....	524.33	92.09
23 09 23 00-0871	EA			24 Volt AC/DC Power Supply, Proportional/Multi-Function Control Input, 2.5 Seconds Run Time, 35 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo LRX24-MFT).....	543.96	92.09
23 09 23 00-0872	EA			120 Volt AC Power Supply, On/Off/Floating Point Control Input, 90 Seconds Run Time, 45 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo LRX120-3).....	428.11	92.09
23 09 23 00-0873	EA			120 Volt AC Power Supply, 2-10 Volt DC Control Input, 90 Seconds Run Time, 45 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo LRX120-SR).....	469.28	92.09
23 09 23 00-0874	EA			24 Volt AC/DC Power Supply, On/Off/Floating Point Control Input, Terminal Strip, 300, 150, Or 90 Seconds Run Time, 180 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo ARX24-3-T).....	469.28	92.09
23 09 23 00-0875	EA			24 Volt AC/DC Power Supply, On/Off/Floating Point Control Input, 300, 150, Or 90 Seconds Run Time, 180 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo ARX24-3).....	475.51	92.09
23 09 23 00-0876	EA			24 Volt AC/DC Power Supply, On/Off/Floating Point Control Input, 90 Seconds Run Time, 180 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo ARB24-3-5-14).....	482.37	92.09
23 09 23 00-0877	EA			24 Volt AC/DC Power Supply, On/Off/Floating Point Control Input, Auxiliary Switch, 300, 150, Or 90 Seconds Run Time, 180 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo ARX24-3-S).....	523.86	92.09
23 09 23 00-0878	EA			24 Volt AC/DC Power Supply, 2-10 Volt DC Control Input, 300, 150, Or 90 Seconds Run Time, 180 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo ARX24-SR-T).....	538.21	92.09
23 09 23 00-0879	EA			24 Volt AC/DC Power Supply, 2-10 Volt DC Control Input, 300, 150, Or 90 Seconds Run Time, 180 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo ARX24-SR).....	544.44	92.09
23 09 23 00-0880	EA			24 Volt AC/DC Power Supply, Proportional/Multi-Function Control Input, Variable Run Time (90 To 350 Seconds), 180 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo ARX24-MFT).....	557.96	92.09
23 09 23 00-0881	EA			24 Volt AC/DC Power Supply, Phasecut Control Input, 95 Seconds Run Time, 180 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo ARX24-PC).....	559.77	92.09
23 09 23 00-0882	EA			24 Volt AC/DC Power Supply, 0-135 Ohms Control Input, 90 Seconds Run Time, 180 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo ARX24-MFT95).....	564.55	92.09
23 09 23 00-0883	EA			24 Volt AC/DC Power Supply, 2-10 Volt DC Control Input, NEMA 4X, 90 Seconds Run Time, 180 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo ARX24-SR-T N4).....	674.66	92.09
23 09 23 00-0884	EA			24 Volt AC/DC Power Supply, Proportional/Multi-Function Control Input, NEMA 4X, Variable Run Time (75 To 350 Seconds), 160 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo ARX24-MFT-T N4).....	715.36	92.09
23 09 23 00-0885	EA			100-240 Volt AC Power Supply, On/Off/Floating Point Control Input, 300, 150, Or 90 Seconds Run Time, 180 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo ARX120-3).....	515.72	92.09
23 09 23 00-0886	EA			100-240 Volt AC Power Supply, 2-10 Volt DC Control Input, 300, 150, Or 90 Seconds Run Time, 180 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo ARX120-SR).....	588.01	92.09
23 09 23 00-0887	EA			24 Volt AC/DC Power Supply, On/Off Control Input, 15 Seconds Run Time, 801 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo SY2-24).....	1,341.58	92.09
23 09 23 00-0888	EA			24 Volt AC/DC Power Supply, On/Off Control Input, 22 Seconds Run Time, 1,335 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo SY3-24).....	1,486.16	92.09
23 09 23 00-0889	EA			24 Volt AC/DC Power Supply, On/Off Control Input, 16 Seconds Run Time, 3,560 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo SY4-24).....	1,797.36	92.09
23 09 23 00-0890	EA			24 Volt AC/DC Power Supply, On/Off Control Input, 22 Seconds Run Time, 4,450 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo SY5-24).....	2,015.19	92.09
23 09 23 00-0891	EA			120 Volt AC Power Supply, On/Off Control Input, 28 Seconds Run Time, 5,785 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo SY6-110).....	2,343.14	92.09
23 09 23 00-0892	EA			120 Volt AC Power Supply, On/Off Control Input, 46 Seconds Run Time, 8,900 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo SY7-110).....	2,743.87	92.09
23 09 23 00-0893	EA			120 Volt AC Power Supply, On/Off Control Input, 46 Seconds Run Time, 13,350 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo SY8-110).....	3,575.00	92.09
23 09 23 00-0894	EA			120 Volt AC Power Supply, On/Off Control Input, 58 Seconds Run Time, 17,800 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo SY9-110).....	4,351.06	92.09

23 09 23 00-0895 **Rectangular Volume Control Dampers** (23 09 23 00-0675)
 Note: Excludes actuators.

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 09 Instrumentation And Control For HVAC****23 09 23 Direct-Digital Control System For HVAC**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 00-0896 EA 8" x 8" Low Leakage Volume Control Damper (Johnson Controls VOPSN-008X008).....	138.97	35.69
23 09 23 00-0897 EA 10" x 10" Low Leakage Volume Control Damper (Johnson Controls VOPSN-010X010).....	155.74	39.15
23 09 23 00-0898 EA 12" x 12" Low Leakage Volume Control Damper (Johnson Controls VOPSN-012X012).....	173.65	43.18
23 09 23 00-0899 EA 14" x 14" Low Leakage Volume Control Damper (Johnson Controls VOPSN-014X014).....	201.38	50.66
23 09 23 00-0900 EA 16" x 16" Low Leakage Volume Control Damper (Johnson Controls VOPSN-016X016).....	227.97	57.56
23 09 23 00-0901 EA 18" x 18" Low Leakage Volume Control Damper (Johnson Controls VOPSN-018X018).....	235.99	64.76
23 09 23 00-0902 EA 20" x 20" Low Leakage Volume Control Damper (Johnson Controls VOPSN-020X020).....	283.39	71.95
23 09 23 00-0903 EA 24" x 24" Low Leakage Volume Control Damper (Johnson Controls VOPSN-024X024).....	338.77	86.35
23 09 23 00-0904 EA 32" x 32" Low Leakage Volume Control Damper (Johnson Controls VOPSN-032X032).....	426.65	100.74
23 09 23 00-0905 EA 48" x 48" Low Leakage Volume Control Damper (Johnson Controls VOPSN-048X048).....	605.00	115.13
23 09 23 00-0906 EA 60" x 60" Low Leakage Volume Control Damper (Johnson Controls VOPSN-060X060).....	1,042.07	129.53
23 09 23 00-0907 EA 72" x 72" Low Leakage Volume Control Damper (Johnson Controls VOPSN-072X072).....	1,306.67	143.92
23 09 23 00-0908 Round Control Galvanized Dampers (23 09 23 00-0675) Note: Excludes actuators.		
23 09 23 00-0909 EA 6" Diameter Round Low Leakage Volume Control Damper (Johnson Controls RCG06).....	145.44	43.18
23 09 23 00-0910 EA 8" Diameter Round Low Leakage Volume Control Damper (Johnson Controls RCG08).....	145.49	43.18
23 09 23 00-0911 EA 10" Diameter Round Low Leakage Volume Control Damper (Johnson Controls RCG10).....	150.23	43.18
23 09 23 00-0912 EA 12" Diameter Round Low Leakage Volume Control Damper (Johnson Controls RCG12).....	156.08	43.18
23 09 23 00-0913 EA 14" Diameter Round Low Leakage Volume Control Damper (Johnson Controls RCG14).....	173.64	43.18
23 09 23 00-0914 EA 16" Diameter Round Low Leakage Volume Control Damper (Johnson Controls RCG16).....	204.56	57.56
23 09 23 00-0915 EA 18" Diameter Round Low Leakage Volume Control Damper (Johnson Controls RCG18).....	273.49	60.59
23 09 23 00-0916 EA 20" Diameter Round Low Leakage Volume Control Damper (Johnson Controls RCG20).....	285.39	62.81
23 09 23 00-0917 EA 22" Diameter Round Low Leakage Volume Control Damper (Johnson Controls RCG22).....	303.95	67.70
23 09 23 00-0918 EA 24" Diameter Round Low Leakage Volume Control Damper (Johnson Controls RCG24).....	322.76	72.61
23 09 23 00-0919 Peco Thermostats and Sensors (23 09 23 00-0675)		
23 09 23 00-0920 EA 3 Heating Stage, 2 Cooling Stage Programmable Thermostat With Humidification/Dehumidification Control (Peco T12532-1AQ).....	317.81	15.59
23 09 23 00-0921 EA 3 Heating Stage, 2 Cooling Stage Programmable Thermostat (Peco T12532-001).....	400.11	15.59
23 09 23 00-0922 EA Ceiling Mount Passive Infrared, 24 Volt, Slave Motion Sensor (Peco SA200-001).....	176.43	23.37
23 09 23 00-0923 EA Wall/Ceiling Mount Passive Infrared, 24 Volt, Slave Motion Sensor (Peco SB200-001).....	150.89	23.37
23 09 23 00-0924 EA Wall/Ceiling Passive Infrared, 24 Volt, Master Motion Sensor (Peco SD200-001).....	231.71	23.37
23 09 23 00-0925 EA Wall/Ceiling Mount, Passive Infrared, 24 Volt, Master Time Sensor (Peco SD200-002).....	200.36	23.37
23 09 23 00-0926 EA Door Switch Occupancy Sensor (Peco SE200-001).....	55.41	23.37
23 09 23 00-0927 EA Window Switch Occupancy Sensor (Peco SE200-002).....	53.74	23.37
23 09 23 00-0928 EA Power Pack And Controller (Peco SF200-001).....	93.26	23.37
23 10 Facility Fuel Systems (23)		
23 11 Facility Fuel Piping (23 10)		
23 11 23 Facility Natural-Gas Piping (23 11)		
23 11 23 00-0001 Corrugated Stainless Steel Tubing (CSST), Flexible Gas Piping (23 11 23)		
23 11 23 00-0002 Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe (23 11 23 00-0001) Note: Includes UV resistant polyethylene jacket. Excludes fittings and pipe hangers.		
23 11 23 00-0003 LF 3/8" Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	5.25	1.96
23 11 23 00-0004 LF 1/2" Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	5.75	2.11
23 11 23 00-0005 LF 3/4" Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	6.80	2.29
23 11 23 00-0006 LF 1" Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	8.40	2.42
23 11 23 00-0007 LF 1-1/4" Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	9.79	2.54
23 11 23 00-0008 LF 1-1/2" Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	14.43	2.64
23 11 23 00-0009 LF 2" Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	19.25	2.82
23 11 23 00-0010 Fittings And Accessories For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe (23 11 23 00-0001)		
23 11 23 00-0011 Male Adaptors For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe (23 11 23 00-0010)		
23 11 23 00-0012 EA 3/8" x 1/2", (CSST x Threaded) Male Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	25.31	
23 11 23 00-0013 EA 3/8" x 3/8", (CSST x Threaded) Male Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	25.31	
23 11 23 00-0014 EA 1/2" x 3/8", (CSST x Threaded) Male Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	27.12	
23 11 23 00-0015 EA 1/2" x 1/2", (CSST x Threaded) Male Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	27.12	
23 11 23 00-0016 EA 3/4" x 3/4", (CSST x Threaded) Male Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	32.03	
23 11 23 00-0017 EA 1" x 3/4", (CSST x Threaded) Male Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	42.70	
23 11 23 00-0018 EA 1" x 1", (CSST x Threaded) Male Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	42.70	
23 11 23 00-0019 EA 1-1/4" x 1-1/4", (CSST x Threaded) Male Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	69.55	
23 11 23 00-0020 EA 1-1/2" x 1-1/2", (CSST x Threaded) Male Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	123.51	
23 11 23 00-0021 EA 2" x 2", (CSST x Threaded) Male Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	197.07	
23 11 23 00-0022 Female Adaptors For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe (23 11 23 00-0010)		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 11 23 00-0023 EA 3/8" x 1/2", (CSST x Threaded) Female Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	24.63	
23 11 23 00-0024 EA 1/2" x 1/2", (CSST x Threaded) Female Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	27.12	
23 11 23 00-0025 EA 1/2" x 3/8", (CSST x Threaded) Female Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	27.12	
23 11 23 00-0026 EA 3/4" x 3/4", (CSST x Threaded) Female Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	32.03	
23 11 23 00-0027 EA 3/4" x 1/2", (CSST x Threaded) Female Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	32.03	
23 11 23 00-0028 EA 1" x 3/4", (CSST x Threaded) Female Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	41.03	
23 11 23 00-0029 EA 1" x 1", (CSST x Threaded) Female Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	41.03	
23 11 23 00-0030 Reducing Adaptors For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe <small>(23 11 23 00-0010)</small>		
23 11 23 00-0031 EA 3/4" x 1/2", (CSST x Threaded) Reducing Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	32.43	
23 11 23 00-0032 EA 1" x 3/4", (CSST x Threaded) Reducing Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	41.64	
23 11 23 00-0033 Couplings For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe <small>(23 11 23 00-0010)</small>		
23 11 23 00-0034 EA 3/8" Coupling For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	32.70	
23 11 23 00-0035 EA 1/2" Coupling For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	36.12	
23 11 23 00-0036 EA 3/4" Coupling For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	44.55	
23 11 23 00-0037 EA 1" Coupling For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	62.24	
23 11 23 00-0038 EA 1-1/4" Coupling For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	112.75	
23 11 23 00-0039 EA 1-1/2" Coupling For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	215.70	
23 11 23 00-0040 EA 2" Coupling For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	355.03	
23 11 23 00-0041 Tees For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe <small>(23 11 23 00-0010)</small>		
23 11 23 00-0042 EA 1/2" Tee For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	45.53	
23 11 23 00-0043 EA 3/4" Tee For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	70.15	
23 11 23 00-0044 EA 1" Tee For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	107.97	
23 11 23 00-0045 EA 1-1/4" Tee For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	181.63	
23 11 23 00-0046 EA 1-1/2" Tee For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	195.07	
23 11 23 00-0047 EA 2" Tee For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	223.25	
23 11 23 00-0048 Indoor Termination Fittings For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe <small>(23 11 23 00-0010)</small>		
23 11 23 00-0049 EA 3/8" x 1/2", (CSST x Threaded) Indoor Termination Fitting For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	29.74	
23 11 23 00-0050 EA 1/2" x 1/2", (CSST x Threaded) Indoor Termination Fitting For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	30.88	
23 11 23 00-0051 EA 3/4" x 3/4", (CSST x Threaded) Indoor Termination Fitting For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	33.49	
23 11 23 00-0052 EA 1" x 3/4", (CSST x Threaded) Indoor Termination Fitting For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	43.81	
23 11 23 00-0053 EA 1" x 1", (CSST x Threaded) Indoor Termination Fitting For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	44.38	
23 11 23 00-0054 Outdoor Termination Fittings For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe <small>(23 11 23 00-0010)</small>		
23 11 23 00-0055 EA 3/8" x 1/2", (CSST x Threaded) Outdoor Termination Fitting For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	32.39	
23 11 23 00-0056 EA 1/2" x 1/2", (CSST x Threaded) Outdoor Termination Fitting For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	33.42	
23 11 23 00-0057 EA 3/4" x 3/4", (CSST x Threaded) Outdoor Termination Fitting For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	38.87	
23 11 23 00-0058 EA 1" x 3/4", (CSST x Threaded) Outdoor Termination Fitting For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	45.32	
23 11 23 00-0059 EA 1" x 1", (CSST x Threaded) Outdoor Termination Fitting For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	45.32	
23 11 23 00-0060 Indoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe <small>(23 11 23 00-0010)</small>		
23 11 23 00-0061 EA 3/8" Indoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	54.89	
23 11 23 00-0062 EA 1/2" Indoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	56.28	
23 11 23 00-0063 EA 3/4" Indoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	58.78	
23 11 23 00-0064 EA 1" Indoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	87.53	
23 11 23 00-0065 EA 1-1/4" Indoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	90.72	
23 11 23 00-0066 EA 1-1/2" Indoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	126.27	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 10 Facility Fuel Systems****23 11 Facility Fuel Piping**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 11 23 00-0067 EA 2" Indoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	154.57	
23 11 23 00-0068 Outdoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe <small>(23 11 23 00-0010)</small>		
23 11 23 00-0069 EA 3/8" Outdoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	57.46	
23 11 23 00-0070 EA 1/2" Outdoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	58.80	
23 11 23 00-0071 EA 3/4" Outdoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	64.07	
23 11 23 00-0072 EA 1" Outdoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	107.75	
23 11 23 00-0073 EA 1-1/4" Outdoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	111.11	
23 11 23 00-0074 EA 1-1/2" Outdoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	149.00	
23 11 23 00-0075 EA 2" Outdoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	185.36	
23 11 23 00-0076 Indoor Bracket Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe <small>(23 11 23 00-0010)</small>		
23 11 23 00-0077 EA 1/2" Indoor Bracket Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	32.03	
23 11 23 00-0078 EA 3/4" Indoor Bracket Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	34.47	
23 11 23 00-0079 EA 1" Indoor Bracket Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	50.18	
23 11 23 00-0080 EA 1-1/4" Indoor Bracket Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	74.78	
23 11 23 00-0081 EA 1-1/2" Indoor Bracket Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	140.56	
23 11 23 00-0082 EA 2" Indoor Bracket Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	220.76	
23 11 23 00-0083 Stub-Outs For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe <small>(23 11 23 00-0010)</small>		
Note: Includes mounting plate.		
23 11 23 00-0084 EA 1/2" Appliance Stub-Out For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	27.76	
23 11 23 00-0085 EA 3/4" Appliance Stub-Out For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	30.14	
23 11 23 00-0086 EA 1/2" Fireplace Stub-Out For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	27.78	
23 11 23 00-0087 EA 1/2" Meter Stub-Out For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	27.86	
23 11 23 00-0088 EA 3/4" Meter Stub-Out For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	29.12	
23 11 23 00-0089 EA 1" Meter Stub-Out For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	34.07	
23 11 23 00-0090 EA 1-1/4" Meter Stub-Out For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	40.33	
23 11 23 00-0091 Flush Mount Gas Valve Kits For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe <small>(23 11 23 00-0010)</small>		
Note: Includes flush fitting plastic valve box and 90 degree brass shut-off valve.		
23 11 23 00-0092 EA 1/2" x 1/2", (CSST x Threaded) Flush Mount Gas Valve Kit For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	77.14	20.51
23 11 23 00-0093 EA 3/4" x 3/4", (CSST x Threaded) Flush Mount Gas Valve Kit For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	86.37	21.53
23 11 23 00-0094 Shut-Off Valves For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe <small>(23 11 23 00-0010)</small>		
23 11 23 00-0095 EA 3/8" x 1/2", (CSST x Threaded) Shut-Off Valve For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	56.87	17.94
23 11 23 00-0096 EA 1/2" x 1/2", (CSST x Threaded) Shut-Off Valve For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	66.39	21.33
23 11 23 00-0097 EA 3/4" x 3/4", (CSST x Threaded) Shut-Off Valve For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	81.18	25.65
23 11 23 00-0098 EA 1" x 3/4", (CSST x Threaded) Shut-Off Valve For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	102.56	34.26
23 11 23 00-0099 Manifolds For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe <small>(23 11 23 00-0010)</small>		
Note: Includes mounting hardware.		
23 11 23 00-0100 EA 1/2" Inlet, Three 1/2" Outlets, Manifold For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	69.51	21.33
23 11 23 00-0101 EA 3/4" Inlet, Three 1/2" Outlets, Manifold For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	79.54	25.65
23 11 23 00-0102 EA 1/2" Inlet, Four 1/2" Outlets, Manifold For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	73.74	21.33
23 11 23 00-0103 EA 3/4" Inlet, Four 1/2" Outlets, Manifold For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	82.28	25.65
23 11 23 00-0104 EA 2" x 1-1/2" Inlet, Four 1" Outlets, Manifold For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	164.08	64.10
23 11 23 00-0105 Pressure Regulators For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe <small>(23 11 23 00-0010)</small>		
23 11 23 00-0106 EA 1/2" Port, 250 MBTU Pressure Regulator For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	72.94	21.33
23 11 23 00-0107 EA 1/2" Port, 355 MBTU Pressure Regulator For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	72.94	21.33
23 11 23 00-0108 EA 1/2" Port, 425 MBTU Pressure Regulator For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	98.24	21.33
23 11 23 00-0109 EA 3/4" Port, 550 MBTU Pressure Regulator For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	106.78	25.65
23 11 23 00-0110 EA 3/4" Port, 810 MBTU Pressure Regulator For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	106.78	25.65
23 11 23 00-0111 EA 1" Port, 550 MBTU Pressure Regulator For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	123.87	34.26
23 11 23 00-0112 EA 1-1/4" Port, 1,000 MBTU Pressure Regulator For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	179.31	38.46
23 11 23 00-0113 EA 1/2" Port, 200 MBTU Pressure Regulator With Over Pressure Protection Device For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	93.76	21.33



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 11 23 00-0114 EA 3/4" Port, 425 MBTU Pressure Regulator With Over Pressure Protection Device For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	221.37	25.65
23 11 23 00-0115 EA 1-1/4" Port, 900 MBTU Pressure Regulator With Over Pressure Protection Device For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	527.10	38.46
23 11 23 00-0116 Gas Stops (23 11 23)		
23 11 23 00-0117 Brass Gas Stops (23 11 23 00-0116)		
Note: Flat or square head		
23 11 23 00-0118 EA 3/8" Brass Gas Stop	43.02	11.14
23 11 23 00-0119 EA 1/2" Brass Gas Stop	42.27	11.14
23 11 23 00-0120 EA 3/4" Brass Gas Stop	56.21	12.26
23 11 23 00-0121 EA 1" Brass Gas Stop	73.60	13.93
23 11 23 00-0122 EA 1-1/4" Brass Gas Stop	95.77	14.82
23 11 23 00-0123 EA 1-1/2" Brass Gas Stop	116.15	17.16
23 11 23 00-0124 EA 2" Brass Gas Stop	150.99	20.28
23 11 23 00-0125 Iron Body Gas Stops (23 11 23 00-0116)		
23 11 23 00-0126 EA 1/2" Iron Body Gas Stop	49.80	11.14
23 11 23 00-0127 EA 3/4" Iron Body Gas Stop	63.62	12.26
23 11 23 00-0128 EA 1" Iron Body Gas Stop	78.07	13.93
23 11 23 00-0129 EA 1-1/4" Iron Body Gas Stop	100.11	14.82
23 11 23 00-0130 EA 1-1/2" Iron Body Gas Stop	121.60	17.16
23 11 23 00-0131 EA 2" Iron Body Gas Stop	152.23	20.28
23 11 23 00-0132 EA 2-1/2" Iron Body Gas Stop	261.02	27.38
23 11 23 00-0133 EA 3" Iron Body Gas Stop	335.57	31.80
23 11 23 00-0134 Bronze Body Solenoid Valves, 150 PSI Gas (23 11 23)		
23 11 23 00-0135 EA 1/4" Solenoid Valve, Bronze, 150 PSI, Gas	93.34	11.14
23 11 23 00-0136 EA 1/2" Solenoid Valve, Bronze, 150 PSI, Gas	107.74	11.14
23 11 23 00-0137 EA 3/4" Solenoid Valve, Bronze, 150 PSI, Gas	138.74	12.26
23 11 23 00-0138 EA 1" Solenoid Valve, Bronze, 150 PSI, Gas	200.06	13.93
23 11 23 00-0139 EA 1-1/2" Solenoid Valve, Bronze, 150 PSI, Gas	346.79	17.16
23 11 23 00-0140 EA 2" Solenoid Valve, Bronze, 150 PSI, Gas	564.65	20.28
23 11 23 00-0141 EA 2-1/2" Solenoid Valve, Bronze, 150 PSI, Gas	705.97	27.38
23 11 23 00-0142 EA 3" Solenoid Valve, Bronze, 150 PSI, Gas	1,036.08	31.80
23 11 33 Facility Fiberglass Reinforced Piping (23 11)		
23 11 33 00-0001 Fiberglass Reinforced Plastic Pipe And Fittings (23 11 33)		
23 11 33 00-0002 Fiberglass Reinforced Plastic Pipe (23 11 33 00-0001)		
Note: For double containment fiberglass pipe, select both outer containment pipe size and inner containment pipe size (include in modifier for use as inner pipe).		
23 11 33 00-0003 LF 2" Fiberglass Reinforced Plastic Pipe	17.50	7.39
<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>		
	-8.27	
23 11 33 00-0004 LF 3" Fiberglass Reinforced Plastic Pipe	20.98	8.82
<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>		
	-9.92	
23 11 33 00-0005 LF 4" Fiberglass Reinforced Plastic Pipe	28.38	13.03
<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>		
	-14.61	
23 11 33 00-0006 LF 5" Fiberglass Reinforced Plastic Pipe	33.05	14.98
<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>		
	-16.46	
23 11 33 00-0007 LF 6" Fiberglass Reinforced Plastic Pipe	38.42	16.72
<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>		
	-18.84	
23 11 33 00-0008 LF 8" Fiberglass Reinforced Plastic Pipe	49.57	18.89
<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>		
	-21.23	
23 11 33 00-0009 LF 10" Fiberglass Reinforced Plastic Pipe	64.78	22.46
<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>		
	-25.31	
23 11 33 00-0010 LF 12" Fiberglass Reinforced Plastic Pipe	74.64	28.29
<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>		
	-31.83	
23 11 33 00-0011 Fiberglass Reinforced Plastic Fittings (23 11 33 00-0001)		
23 11 33 00-0012 Fiberglass Reinforced Plastic Flanged 90 Degree Elbows (23 11 33 00-0001)		
23 11 33 00-0013 EA 2" Fiberglass Reinforced Plastic Flanged 90 Degree Elbow	142.48	73.54
<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>		
	-82.71	
23 11 33 00-0014 EA 3" Fiberglass Reinforced Plastic Flanged 90 Degree Elbow	168.83	88.31
<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>		
	-99.26	
23 11 33 00-0015 EA 4" Fiberglass Reinforced Plastic Flanged 90 Degree Elbow	200.68	102.56
<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>		
	-115.31	
23 11 33 00-0016 EA 5" Fiberglass Reinforced Plastic Flanged 90 Degree Elbow	232.61	111.74
<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>		
	-123.27	
23 11 33 00-0017 EA 6" Fiberglass Reinforced Plastic Flanged 90 Degree Elbow	277.51	125.38
<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>		
	-140.97	
23 11 33 00-0018 EA 8" Fiberglass Reinforced Plastic Flanged 90 Degree Elbow	388.17	156.67
<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>		
	-176.21	
23 11 33 00-0019 EA 10" Fiberglass Reinforced Plastic Flanged 90 Degree Elbow	493.60	188.72
<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>		
	-212.21	

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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 11 33 00-0020 EA 12" Fiberglass Reinforced Plastic Flanged 90 Degree Elbow <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	580.54 -263.15	234.02
23 11 33 00-0021 Fiberglass Reinforced Plastic Flanged 45 Degree Elbows (23 11 33 00-0011)		
23 11 33 00-0022 EA 2" Fiberglass Reinforced Plastic Flanged 45 Degree Elbow <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	142.73 -82.71	73.54
23 11 33 00-0023 EA 3" Fiberglass Reinforced Plastic Flanged 45 Degree Elbow <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	168.91 -99.26	88.31
23 11 33 00-0024 EA 4" Fiberglass Reinforced Plastic Flanged 45 Degree Elbow <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	200.94 -115.39	102.66
23 11 33 00-0025 EA 5" Fiberglass Reinforced Plastic Flanged 45 Degree Elbow <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	247.76 -134.61	121.94
23 11 33 00-0026 EA 6" Fiberglass Reinforced Plastic Flanged 45 Degree Elbow <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	277.43 -140.97	125.38
23 11 33 00-0027 EA 8" Fiberglass Reinforced Plastic Flanged 45 Degree Elbow <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	388.17 -176.21	156.67
23 11 33 00-0028 EA 10" Fiberglass Reinforced Plastic Flanged 45 Degree Elbow <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	453.00 -212.21	188.72
23 11 33 00-0029 EA 12" Fiberglass Reinforced Plastic Flanged 45 Degree Elbow <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	580.54 -263.15	234.02
23 11 33 00-0030 Fiberglass Reinforced Plastic Flanged Tees (23 11 33 00-0011)		
23 11 33 00-0031 EA 2" Fiberglass Reinforced Plastic Flanged Tee <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	200.77 -124.07	110.36
23 11 33 00-0032 EA 3" Fiberglass Reinforced Plastic Flanged Tee <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	244.21 -149.42	132.92
23 11 33 00-0033 EA 4" Fiberglass Reinforced Plastic Flanged Tee <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	281.05 -173.09	153.95
23 11 33 00-0034 EA 5" Fiberglass Reinforced Plastic Flanged Tee <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	338.55 -202.00	182.87
23 11 33 00-0035 EA 6" Fiberglass Reinforced Plastic Flanged Tee <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	371.11 -212.21	188.72
23 11 33 00-0036 EA 8" Fiberglass Reinforced Plastic Flanged Tee <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	462.99 -263.15	234.02
23 11 33 00-0037 EA 10" Fiberglass Reinforced Plastic Flanged Tee <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	637.06 -318.32	283.07
23 11 33 00-0038 EA 12" Fiberglass Reinforced Plastic Flanged Tee <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	812.62 -386.98	344.16
23 11 33 00-0039 Fiberglass Reinforced Plastic Flanged Wyes (23 11 33 00-0011)		
23 11 33 00-0040 EA 2" Fiberglass Reinforced Plastic Flanged Wye <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	224.69 -124.07	110.36
23 11 33 00-0041 EA 3" Fiberglass Reinforced Plastic Flanged Wye <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	278.20 -149.24	132.72
23 11 33 00-0042 EA 4" Fiberglass Reinforced Plastic Flanged Wye <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	324.53 -173.08	153.95
23 11 33 00-0043 EA 5" Fiberglass Reinforced Plastic Flanged Wye <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	375.59 -202.00	182.87
23 11 33 00-0044 EA 6" Fiberglass Reinforced Plastic Flanged Wye <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	401.70 -212.21	188.72
23 11 33 00-0045 EA 8" Fiberglass Reinforced Plastic Flanged Wye <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	511.36 -263.15	234.02
23 11 33 00-0046 EA 10" Fiberglass Reinforced Plastic Flanged Wye <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	698.06 -318.32	283.07
23 11 33 00-0047 EA 12" Fiberglass Reinforced Plastic Flanged Wye <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	879.12 -386.98	344.16
23 11 33 00-0048 Fiberglass Reinforced Plastic Flanged Concentric Reducers (23 11 33 00-0011)		
23 11 33 00-0049 EA 2" Fiberglass Reinforced Plastic Flanged Concentric Reducer <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	140.23 -82.71	73.54
23 11 33 00-0050 EA 3" Fiberglass Reinforced Plastic Flanged Concentric Reducer <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	173.64 -99.26	88.31
23 11 33 00-0051 EA 4" Fiberglass Reinforced Plastic Flanged Concentric Reducer <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	197.10 -115.39	102.66
23 11 33 00-0052 EA 5" Fiberglass Reinforced Plastic Flanged Concentric Reducer <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	229.46 -134.61	121.94
23 11 33 00-0053 EA 6" Fiberglass Reinforced Plastic Flanged Concentric Reducer <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	244.66 -140.97	125.38
23 11 33 00-0054 EA 8" Fiberglass Reinforced Plastic Flanged Concentric Reducer <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	313.98 -176.21	156.67
23 11 33 00-0055 EA 10" Fiberglass Reinforced Plastic Flanged Concentric Reducer <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	388.15 -212.21	188.72
23 11 33 00-0056 EA 12" Fiberglass Reinforced Plastic Flanged Concentric Reducer <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	503.26 -263.15	234.02
23 11 33 00-0057 Fiberglass Reinforced Plastic Bell x Male Or Female Adapters (23 11 33 00-0011)		
23 11 33 00-0058 EA 2" Fiberglass Reinforced Plastic Bell x Male Or Female Adapter <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	129.54 -82.71	73.54



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 11 33 00-0059 EA 3" Fiberglass Reinforced Plastic Bell x Male Or Female Adapter <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	153.21 -99.26	88.31
23 11 33 00-0060 EA 4" Fiberglass Reinforced Plastic Bell x Male Or Female Adapter <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	176.69 -115.39	102.66
23 11 33 00-0061 EA 4" Fiberglass Reinforced Plastic Bell x Male Or Female Adapter <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	209.47 -134.61	121.94
23 11 33 00-0062 EA 6" Fiberglass Reinforced Plastic Bell x Male Or Female Adapter <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	225.10 -140.97	125.38
23 11 33 00-0063 EA 8" Fiberglass Reinforced Plastic Bell x Male Or Female Adapter <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	260.10 -176.21	156.67
23 11 33 00-0064 EA 10" Fiberglass Reinforced Plastic Bell x Male Or Female Adapter <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	319.09 -212.21	188.72
23 11 33 00-0065 EA 12" Fiberglass Reinforced Plastic Bell x Male Or Female Adapter <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	429.43 -263.15	234.02
23 11 33 00-0066 Fiberglass Reinforced Plastic Nipples (23 11 33 00-0011)		
23 11 33 00-0067 EA 2" x 6" Fiberglass Reinforced Plastic Nipple <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	18.55 -9.92	8.82
23 11 33 00-0068 EA 2" x 12" Fiberglass Reinforced Plastic Nipple <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	37.03 -19.80	17.64
23 11 33 00-0069 EA 3" x 8" Fiberglass Reinforced Plastic Nipple <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	43.55 -15.23	13.54
23 11 33 00-0070 EA 3" x 12" Fiberglass Reinforced Plastic Nipple <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	52.33 -19.76	17.58
23 11 33 00-0071 EA 4" x 8" Fiberglass Reinforced Plastic Nipple <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	44.40 -14.10	12.50
23 11 33 00-0072 EA 4" x 12" Fiberglass Reinforced Plastic Nipple <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	57.73 -21.14	18.80
23 11 33 00-0073 EA 6" x 12" Fiberglass Reinforced Plastic Nipple <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	68.63 -23.26	21.05
23 11 33 00-0074 EA 6" x 12" Fiberglass Reinforced Plastic Nipple <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	79.56 -25.40	22.56
23 11 33 00-0075 EA 8" x 18" Fiberglass Reinforced Plastic Nipple <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	58.61 -29.60	26.31
23 11 33 00-0076 EA 8" x 24" Fiberglass Reinforced Plastic Nipple <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	81.87 -42.26	37.59
23 11 33 00-0077 EA 10" x 18" Fiberglass Reinforced Plastic Nipple <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	78.34 -30.09	26.79
23 11 33 00-0078 EA 10" x 24" Fiberglass Reinforced Plastic Nipple <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	117.48 -45.06	40.04
23 11 33 00-0079 EA 12" x 18" Fiberglass Reinforced Plastic Nipple <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	87.28 -31.04	27.63
23 11 33 00-0080 EA 12" x 24" Fiberglass Reinforced Plastic Nipple <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	120.29 -46.55	41.36
23 11 33 00-0081 Fiberglass Reinforced Plastic Sleeve Couplings (23 11 33 00-0011)		
23 11 33 00-0082 EA 2" Fiberglass Reinforced Plastic Sleeve Coupling <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	115.16 -82.71	73.54
23 11 33 00-0083 EA 3" Fiberglass Reinforced Plastic Sleeve Coupling <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	138.29 -99.26	88.31
23 11 33 00-0084 EA 4" Fiberglass Reinforced Plastic Sleeve Coupling <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	160.55 -115.39	102.66
23 11 33 00-0085 EA 5" Fiberglass Reinforced Plastic Sleeve Coupling <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	188.74 -134.61	121.94
23 11 33 00-0086 EA 6" Fiberglass Reinforced Plastic Sleeve Coupling <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	199.78 -140.97	125.38
23 11 33 00-0087 EA 8" Fiberglass Reinforced Plastic Sleeve Coupling <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	252.28 -176.21	156.67
23 11 33 00-0088 EA 10" Fiberglass Reinforced Plastic Sleeve Coupling <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	309.34 -212.21	188.72
23 11 33 00-0089 EA 12" Fiberglass Reinforced Plastic Sleeve Coupling <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	381.97 -263.15	234.02
23 11 33 00-0090 Fiberglass Reinforced Plastic Flanges (23 11 33 00-0011)		
23 11 33 00-0091 EA 2" Fiberglass Reinforced Plastic Flange <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	115.77 -82.71	73.54
23 11 33 00-0092 EA 3" Fiberglass Reinforced Plastic Flange <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	139.09 -99.26	88.31
23 11 33 00-0093 EA 4" Fiberglass Reinforced Plastic Flange <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	149.86 -105.54	93.89
23 11 33 00-0094 EA 5" Fiberglass Reinforced Plastic Flange <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	176.72 -123.35	111.74
23 11 33 00-0095 EA 6" Fiberglass Reinforced Plastic Flange <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	203.32 -140.97	125.38
23 11 33 00-0096 EA 8" Fiberglass Reinforced Plastic Flange <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	245.78 -168.68	150.00
23 11 33 00-0097 EA 10" Fiberglass Reinforced Plastic Flange <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	314.85 -212.21	188.72
23 11 33 00-0098 EA 12" Fiberglass Reinforced Plastic Flange <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	404.03 -263.15	234.02

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 10 Facility Fuel Systems****23 11 Facility Fuel Piping**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 11 33 00-0099	Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing And Fittings <small>(23 11 33)</small>	
23 11 33 00-0100	Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing <small>(23 11 33 00-0099)</small>	
23 11 33 00-0101 LF	2" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing.....	62.76 31.69
23 11 33 00-0102 LF	3" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing.....	74.57 37.54
23 11 33 00-0103 LF	4" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing.....	104.10 55.38
23 11 33 00-0104 LF	6" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing.....	139.11 71.80
23 11 33 00-0105 LF	8" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing.....	171.51 80.82
23 11 33 00-0106 LF	10" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing.....	217.13 95.86
23 11 33 00-0107 LF	12" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing.....	275.59 120.96
23 11 33 00-0108	Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Fittings <small>(23 11 33 00-0099)</small>	
23 11 33 00-0109	Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 90 Degree Elbows <small>(23 11 33 00-0108)</small>	
23 11 33 00-0110 EA	2" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 90 Degree Elbow.....	912.45 392.20
23 11 33 00-0111 EA	3" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 90 Degree Elbow.....	1,073.54 470.76
23 11 33 00-0112 EA	4" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 90 Degree Elbow.....	1,293.22 547.07
23 11 33 00-0113 EA	6" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 90 Degree Elbow.....	1,904.71 668.49
23 11 33 00-0114 EA	8" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 90 Degree Elbow.....	2,797.18 835.77
23 11 33 00-0115 EA	10" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 90 Degree Elbow.....	3,630.27 1,005.51
23 11 33 00-0116 EA	12" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 90 Degree Elbow.....	4,734.00 1,245.16
23 11 33 00-0117	Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 45 Degree Elbows <small>(23 11 33 00-0108)</small>	
23 11 33 00-0118 EA	2" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 45 Degree Elbow.....	913.16 392.20
23 11 33 00-0119 EA	3" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 45 Degree Elbow.....	1,072.30 470.76
23 11 33 00-0120 EA	4" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 45 Degree Elbow.....	1,292.24 547.07
23 11 33 00-0121 EA	6" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 45 Degree Elbow.....	1,898.99 668.49
23 11 33 00-0122 EA	8" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 45 Degree Elbow.....	2,788.90 835.77
23 11 33 00-0123 EA	10" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 45 Degree Elbow.....	3,619.59 1,005.98
23 11 33 00-0124 EA	12" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 45 Degree Elbow.....	4,722.87 1,247.98
23 11 33 00-0125	Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Tees <small>(23 11 33 00-0108)</small>	
23 11 33 00-0126 EA	2" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Tee.....	1,320.94 588.30
23 11 33 00-0127 EA	3" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Tee.....	1,621.52 709.02
23 11 33 00-0128 EA	4" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Tee.....	1,854.96 821.02
23 11 33 00-0129 EA	6" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Tee.....	2,603.58 1,006.45
23 11 33 00-0130 EA	8" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Tee.....	3,263.35 1,247.98
23 11 33 00-0131 EA	10" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Tee.....	4,900.83 1,507.94
23 11 33 00-0132 EA	12" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Tee.....	6,424.58 1,828.32
23 11 33 00-0133	Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Wyes <small>(23 11 33 00-0108)</small>	
23 11 33 00-0134 EA	2" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Wye.....	1,618.03 588.30
23 11 33 00-0135 EA	3" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Wye.....	2,045.41 708.19
23 11 33 00-0136 EA	4" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Wye.....	2,395.09 821.02
23 11 33 00-0137 EA	6" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Wye.....	2,983.32 1,006.45
23 11 33 00-0138 EA	8" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Wye.....	3,863.88 1,247.98
23 11 33 00-0139 EA	10" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Wye.....	5,658.29 1,507.94
23 11 33 00-0140 EA	12" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Wye.....	7,250.26 1,828.32
23 11 33 00-0141	Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Concentric Reducers <small>(23 11 33 00-0108)</small>	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 11 33 00-0142 EA 2" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Concentric Reducer.....	959.86	392.20
23 11 33 00-0143 EA 3" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Concentric Reducer.....	1,218.52	470.76
23 11 33 00-0144 EA 4" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Concentric Reducer.....	1,357.19	547.07
23 11 33 00-0145 EA 6" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Concentric Reducer.....	1,706.21	668.49
23 11 33 00-0146 EA 8" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Concentric Reducer.....	2,234.34	835.77
23 11 33 00-0147 EA 10" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Concentric Reducer.....	2,813.70	1,005.51
23 11 33 00-0148 EA 12" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Concentric Reducer.....	3,759.14	1,245.16
23 11 33 00-0149 Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Bell x Male Or Female Adapters <small>(23 11 33 00-0108)</small>		
23 11 33 00-0150 EA 2" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Bell x Male Or Female Adapter.....	827.09	392.20
23 11 33 00-0151 EA 3" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Bell x Male Or Female Adapter.....	964.96	470.76
23 11 33 00-0152 EA 4" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Bell x Male Or Female Adapter.....	1,103.87	547.07
23 11 33 00-0153 EA 6" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Bell x Male Or Female Adapter.....	1,463.41	668.49
23 11 33 00-0154 EA 8" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Bell x Male Or Female Adapter.....	1,565.34	835.77
23 11 33 00-0155 EA 10" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Bell x Male Or Female Adapter.....	1,956.18	1,005.51
23 11 33 00-0156 EA 12" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Bell x Male Or Female Adapter.....	2,842.45	1,245.16
23 11 33 00-0157 Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Nipples <small>(23 11 33 00-0108)</small>		
23 11 33 00-0158 EA 2" x 6" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Nipple.....	136.60	47.08
23 11 33 00-0159 EA 2" x 12" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Nipple.....	272.84	93.95
23 11 33 00-0160 EA 3" x 8" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Nipple.....	396.85	72.20
23 11 33 00-0161 EA 3" x 12" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Nipple.....	463.24	93.70
23 11 33 00-0162 EA 4" x 8" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Nipple.....	418.12	66.82
23 11 33 00-0163 EA 4" x 12" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Nipple.....	517.11	100.28
23 11 33 00-0164 EA 6" x 12" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Nipple.....	747.91	120.49
23 11 33 00-0165 EA 8" x 18" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Nipple.....	448.20	140.41
23 11 33 00-0166 EA 8" x 24" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Nipple.....	617.42	200.46
23 11 33 00-0167 EA 10" x 18" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Nipple.....	688.55	142.66
23 11 33 00-0168 EA 10" x 24" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Nipple.....	1,033.12	213.71
23 11 33 00-0169 EA 12" x 18" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Nipple.....	790.59	147.17
23 11 33 00-0170 EA 12" x 24" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Nipple.....	1,054.06	220.77
23 11 33 00-0171 Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanges <small>(23 11 33 00-0108)</small>		
23 11 33 00-0172 EA 4" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flange.....	863.94	500.55
23 11 33 00-0173 EA 6" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flange.....	1,192.97	668.49
23 11 33 00-0174 EA 8" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flange.....	1,458.81	800.15
23 11 33 00-0175 EA 10" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flange.....	1,903.61	1,005.51
23 11 33 00-0176 EA 12" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flange.....	2,527.03	1,245.16
23 12 Facility Fuel Pumps <small>(23 10)</small>		
23 12 13 Facility Fuel-Oil Pumps <small>(23 12)</small>		
23 12 13 00-0001 Cast Iron Internal Gear Rotary Pump <small>(23 12 13)</small>		
Note: Heavy duty type with relief valve, 1150 RPM drip-proof motor, common base plate. For viscosity to 20 centipoise; diesel oil, and light oil.		
23 12 13 00-0002 10 GPM 1" Discharge <small>(23 12 13 00-0001)</small>		
23 12 13 00-0003 EA 10 GPM Cast Iron Rotary Pump, 20 PSI 1/2 HP With 1" Discharge.....	1,891.90	297.54
23 12 13 00-0004 EA 10 GPM Cast Iron Rotary Pump, 40 PSI 3/4 HP With 1" Discharge.....	1,964.63	360.14
23 12 13 00-0005 EA 10 GPM Cast Iron Rotary Pump, 60 PSI 1 HP With 1" Discharge.....	2,135.99	427.85
23 12 13 00-0006 25 GPM 1-1/4" Discharge <small>(23 12 13 00-0001)</small>		
23 12 13 00-0007 EA 25 GPM Cast Iron Rotary Pump, 20 PSI 1 HP With 1-1/4" Discharge.....	1,981.08	297.54
23 12 13 00-0008 EA 25 GPM Cast Iron Rotary Pump, 40 PSI 1.5 HP With 1-1/4" Discharge.....	2,077.66	360.14
23 12 13 00-0009 EA 25 GPM Cast Iron Rotary Pump, 60 PSI 2 HP With 1-1/4" Discharge.....	2,174.09	427.85
23 12 13 00-0010 Pump, Fuel Oil, 2 Stage 3450 RPM 100 PSI <small>(23 12 13)</small>		

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 10 Facility Fuel Systems****23 12 Facility Fuel Pumps**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 12 13 00-0011 EA 1/4 HP Pump Fuel Oil/Diesel	1,397.88	166.73
23 12 13 00-0012 EA 1/3 HP Pump Fuel Oil/Diesel	1,649.17	186.74
23 12 13 00-0013 EA 1/2 HP Pump Fuel Oil/Diesel	1,799.99	209.30
23 12 13 00-0014 EA 3/4 HP Pump Fuel Oil/Diesel	1,959.02	235.99
23 12 13 00-0015 EA 1 HP Pump Fuel Oil/Diesel	2,797.74	262.67
23 12 13 00-0016 EA 1-1/2 HP Pump Fuel Oil/Diesel	3,438.43	293.95
23 12 13 00-0017 EA 2 HP Pump Fuel Oil/Diesel	3,808.26	329.35
23 12 13 00-0018 EA 3 HP Pump Fuel Oil/Diesel	4,663.62	368.34
23 12 13 00-0019 EA 5 HP Pump Fuel Oil/Diesel	5,510.30	412.98
23 12 13 00-0020 EA 7.5 HP Pump Fuel Oil/Diesel	6,168.98	463.25
23 12 13 00-0021 EA 10 HP Pump Fuel Oil/Diesel	6,916.69	519.27

23 12 23 Facility Natural-Gas Pumps (23 12)**23 12 23 00-0001 Natural Gas Booster Pump (23 12 23)**

23 12 23 00-0002 EA Natural Gas Booster Pump, 3/4" Outlet Size	751.72	153.90
23 12 23 00-0003 EA Natural Gas Booster Pump, 1" Outlet Size	882.26	171.86
23 12 23 00-0004 EA Natural Gas Booster Pump, 1-1/4" Outlet Size	977.64	179.56
23 12 23 00-0005 EA Natural Gas Booster Pump, 1-1/2" Outlet Size	1,094.88	187.25
23 12 23 00-0006 EA Natural Gas Booster Pump, 2" Outlet Size	1,221.60	192.38

23 13 Facility Fuel-Storage Tanks (23 10)**23 13 13 Facility Underground Fuel-Oil, Storage Tanks (23 13)****23 13 13 13 Double-Wall Steel, Underground Fuel-Oil, Storage Tanks (23 13 13)****23 13 13 13-0001 Coated Underground Double Wall Storage Tanks (23 13 13 13)**

Note: Includes setting in place with hold down bars and manway and 4" NPT connections as follows: up to 1000 gallon, 4 each: all others 6 each. Excludes excavation, pad, plastic lining, pumps and piping.

23 13 13 13-0002 EA 250 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars	7,726.13	643.49
23 13 13 13-0003 EA 550 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars	8,314.11	643.49
23 13 13 13-0004 EA 1,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars	11,933.74	804.31
23 13 13 13-0005 EA 2,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars	16,644.61	1,571.03
23 13 13 13-0006 EA 3,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars	26,193.49	2,019.77
23 13 13 13-0007 EA 4,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars	29,225.08	2,319.78
23 13 13 13-0008 EA 5,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars	31,909.53	3,067.23
23 13 13 13-0009 EA 6,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars	33,075.07	3,293.20
23 13 13 13-0010 EA 8,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars	40,284.64	3,890.50
23 13 13 13-0011 EA 10,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars	46,643.45	4,487.41
23 13 13 13-0012 EA 12,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars	59,150.43	4,934.76
23 13 13 13-0013 EA 14,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars	70,212.33	5,991.59
23 13 13 13-0014 EA 15,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars	72,633.49	6,358.63
23 13 13 13-0015 EA 20,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars	90,586.82	10,086.11
23 13 13 13-0016 EA 25,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars	111,766.07	13,079.21
23 13 13 13-0017 EA 30,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars	131,400.39	14,965.00
23 13 13 13-0018 EA 40,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars	166,972.33	16,087.37
23 13 13 13-0019 EA 48,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars	222,807.40	16,499.91

23 13 13 23 Glass-Fiber-Reinforced-Plastic, Underground Fuel-Oil, Storage Tanks (23 13 13)**23 13 13 23-0001 Underground Fiberglass Storage Tanks (23 13 13 23)****23 13 13 23-0002 Single Wall Fiberglass Underground Storage Tanks (23 13 13 23-0001)**

Note: Includes setting in place with hold down bars, fittings, bumper pads, flow channels, monitoring fitting, tank bottom deflector gauge plates, manway, anchor straps and 4" NPT tank mounted fitting connections as follows: 550 gallon or 1,000 gallon, 4 each: all others 6 each. Excludes excavation and backfill.

23 13 13 23-0003 EA 550 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps	2,948.66	643.49
23 13 13 23-0004 EA 1,000 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps	3,702.31	804.31
23 13 13 23-0005 EA 2,000 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps	4,812.33	995.17
23 13 13 23-0006 EA 2,500 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps	5,492.63	1,212.17
23 13 13 23-0007 EA 3,000 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps	6,167.01	1,421.68
23 13 13 23-0008 EA 4,000 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps	7,547.48	1,870.63
23 13 13 23-0009 EA 5,000 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps	9,198.63	2,843.35
23 13 13 23-0010 EA 6,000 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps	10,524.53	3,591.60
23 13 13 23-0011 EA 8,000 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps	12,531.31	4,040.55
23 13 13 23-0012 EA 10,000 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps	14,196.81	4,788.80
23 13 13 23-0013 EA 12,000 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps	18,111.32	5,686.70
23 13 13 23-0014 EA 15,000 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps	22,337.95	7,108.38
23 13 13 23-0015 EA 20,000 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps	28,340.69	9,502.77
23 13 13 23-0016 EA 25,000 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps	41,588.48	11,822.35
23 13 13 23-0017 EA 30,000 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps	50,801.20	14,216.75
23 13 13 23-0018 EA 40,000 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps	72,746.12	20,576.88
23 13 13 23-0019 EA 50,000 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps	102,522.99	26,188.75

23 13 13 23-0020 Double Wall Fiberglass Underground Storage Tanks (23 13 13 23-0001)

Note: Includes setting in place with hold down bars, fittings, bumper pads, flow channels, monitoring fitting, tank bottom deflector gauge plates, manway, anchor straps and 4" NPT tank mounted fitting connections as follows: 550 gallon or 1,000 gallon, 4 each: all others 6 each. Excludes excavation and backfill.



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 13 13 23-0021	EA			550 Gallon Double Wall Fiberglass Tank Including Fittings And Anchor Straps.....	5,510.86	643.49
23 13 13 23-0022	EA			1,000 Gallon Double Wall Fiberglass Tank Including Fittings And Anchor Straps.....	7,248.97	804.31
23 13 13 23-0023	EA			2,000 Gallon Double Wall Fiberglass Tank Including Fittings And Anchor Straps.....	8,693.83	972.72
23 13 13 23-0024	EA			3,000 Gallon Double Wall Fiberglass Tank Including Fittings And Anchor Straps.....	11,356.59	1,421.78
23 13 13 23-0025	EA			4,000 Gallon Double Wall Fiberglass Tank Including Fittings And Anchor Straps.....	12,845.17	1,870.63
23 13 13 23-0026	EA			5,000 Gallon Double Wall Fiberglass Tank Including Fittings And Anchor Straps.....	15,022.49	2,843.35
23 13 13 23-0027	EA			6,000 Gallon Double Wall Fiberglass Tank Including Fittings And Anchor Straps.....	16,867.35	3,591.60
23 13 13 23-0028	EA			8,000 Gallon Double Wall Fiberglass Tank Including Fittings And Anchor Straps.....	20,603.99	4,040.55
23 13 13 23-0029	EA			10,000 Gallon Double Wall Fiberglass Tank Including Fittings And Anchor Straps.....	22,269.49	4,788.80
23 13 13 23-0030	EA			12,000 Gallon Double Wall Fiberglass Tank Including Fittings And Anchor Straps.....	26,904.78	5,686.70
23 13 13 23-0031	EA			15,000 Gallon Double Wall Fiberglass Tank Including Fittings And Anchor Straps.....	36,789.49	7,108.38
23 13 13 23-0032	EA			20,000 Gallon Double Wall Fiberglass Tank Including Fittings And Anchor Straps.....	45,783.44	9,502.77
23 13 13 23-0033	EA			30,000 Gallon Double Wall Fiberglass Tank Including Fittings And Anchor Straps.....	70,550.43	14,216.75
23 13 13 23-0034				Underground Storage Tank Pump Enclosures (23 13 13 23)		
23 13 13 23-0035	EA			Secondary Containment Collar.....	649.25	
23 13 13 23-0036	EA			Turbine Enclosure With Lid 4' Long x 42" Diameter.....	649.25	
23 13 13 23-0037	EA			Fitting Kit For Turbine Enclosure.....	129.85	
23 13 13 23-0038	EA			Grommet Kits For Plumbing And Electrical.....	259.70	
23 13 13 23-0039	EA			Turbine Electrical Coupling Kit.....	324.63	
23 13 23				Facility Aboveground Fuel-Oil, Storage Tanks (23 13)		
23 13 23 13				Vertical, Steel, Aboveground Fuel-Oil, Storage Tanks (23 13 23)		
23 13 23 13-0001				Rectangle Double Wall Steel Fuel Day Tank (23 13 23 13) Note: Includes day tank with standard equipment, pump, pump control, level control, backup level control, level alarms, alarm outputs.		
23 13 23 13-0002	EA			10 Gallon Double Wall Steel Day Tank; Tramont TRX..... Note: Includes rust-inhibitor coated interior and gray painted exterior.	920.16	133.76
23 13 23 13-0003	EA			15 Gallon Double Wall Steel Day Tank; Tramont TRX..... Note: Includes rust-inhibitor coated interior and gray painted exterior.	986.78	140.44
23 13 23 13-0004	EA			25 Gallon Double Wall Steel Day Tank; Tramont TRX..... Note: Includes rust-inhibitor coated interior and gray painted exterior.	1,070.33	150.47
23 13 23 13-0005	EA			50 Gallon Double Wall Steel Day Tank; Tramont TRX..... Note: Includes rust-inhibitor coated interior and gray painted exterior.	1,224.46	160.51
23 13 23 13-0006	EA			60 Gallon Double Wall Steel Day Tank; Tramont TRX..... Note: Includes rust-inhibitor coated interior and gray painted exterior.	1,360.44	167.20
23 13 23 13-0007	EA			75 Gallon Double Wall Steel Day Tank; Tramont TRX..... Note: Includes rust-inhibitor coated interior and gray painted exterior.	1,605.29	200.64
23 13 23 13-0008	EA			100 Gallon Double Wall Steel Day Tank; Tramont TRX..... Note: Includes rust-inhibitor coated interior and gray painted exterior.	2,145.18	234.08
23 13 23 13-0009	EA			150 Gallon Double Wall Steel Day Tank; Tramont TRX..... Note: Includes rust-inhibitor coated interior and gray painted exterior.	2,702.71	267.51
23 13 23 13-0010	EA			200 Gallon Double Wall Steel Day Tank; Tramont TRX..... Note: Includes rust-inhibitor coated interior and gray painted exterior.	3,449.36	300.96
23 13 23 13-0011	EA			275 Gallon Double Wall Steel Day Tank; Tramont TRX..... Note: Includes rust-inhibitor coated interior and gray painted exterior.	3,844.25	334.39
23 13 23 13-0012	EA			300 Gallon Double Wall Steel Day Tank; Tramont TRX..... Note: Includes rust-inhibitor coated interior and gray painted exterior.	4,407.09	401.28
23 13 23 13-0013	EA			350 Gallon Double Wall Steel Day Tank; Tramont TRX..... Note: Includes rust-inhibitor coated interior and gray painted exterior.	4,944.71	468.16
23 13 23 13-0014	EA			400 Gallon Double Wall Steel Day Tank; Tramont TRX..... Note: Includes rust-inhibitor coated interior and gray painted exterior.	5,497.47	535.04
23 13 23 13-0015	EA			450 Gallon Double Wall Steel Day Tank; Tramont TRX..... Note: Includes rust-inhibitor coated interior and gray painted exterior.	6,090.30	568.47
23 13 23 13-0016	EA			500 Gallon Double Wall Steel Day Tank; Tramont TRX..... Note: Includes rust-inhibitor coated interior and gray painted exterior.	6,686.92	601.92
23 13 23 13-0017	EA			550 Gallon Double Wall Steel Day Tank; Tramont TRX..... Note: Includes rust-inhibitor coated interior and gray painted exterior.	7,362.98	635.35
23 13 23 13-0018	EA			600 Gallon Double Wall Steel Day Tank; Tramont TRX..... Note: Includes rust-inhibitor coated interior and gray painted exterior.	7,955.82	668.79
23 13 23 13-0019	EA			700 Gallon Double Wall Steel Day Tank; Tramont TRX..... Note: Includes rust-inhibitor coated interior and gray painted exterior.	8,884.80	802.55
23 13 23 13-0020	EA			800 Gallon Double Wall Steel Day Tank; Tramont TRX..... Note: Includes rust-inhibitor coated interior and gray painted exterior.	9,585.06	869.43
23 13 23 13-0021	EA			900 Gallon Double Wall Steel Day Tank; Tramont TRX..... Note: Includes rust-inhibitor coated interior and gray painted exterior.	10,540.52	1,003.19
23 13 23 13-0022	EA			1,000 Gallon Double Wall Steel Day Tank; Tramont TRX..... Note: Includes rust-inhibitor coated interior and gray painted exterior.	11,499.76	1,136.94
23 13 23 13-0023	EA			10 Gallon Double Wall Steel Day Tank; Tramont UTRX..... Note: Includes rust-inhibitor coated interior and gray painted exterior.	1,104.24	133.76
23 13 23 13-0024	EA			15 Gallon Double Wall Steel Day Tank; Tramont UTRX..... Note: Includes rust-inhibitor coated interior and gray painted exterior.	1,172.12	140.44
23 13 23 13-0025	EA			25 Gallon Double Wall Steel Day Tank; Tramont UTRX..... Note: Includes rust-inhibitor coated interior and gray painted exterior.	1,255.67	150.47
23 13 23 13-0026	EA			50 Gallon Double Wall Steel Day Tank; Tramont UTRX..... Note: Includes rust-inhibitor coated interior and gray painted exterior.	1,408.54	160.51
23 13 23 13-0027	EA			60 Gallon Double Wall Steel Day Tank; Tramont UTRX..... Note: Includes rust-inhibitor coated interior and gray painted exterior.	1,544.51	167.20
23 13 23 13-0028	EA			75 Gallon Double Wall Steel Day Tank; Tramont UTRX..... Note: Includes rust-inhibitor coated interior and gray painted exterior.	1,790.63	200.64

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 10 Facility Fuel Systems****23 13 Facility Fuel-Storage Tanks**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 13 23 13-0029 EA 100 Gallon Double Wall Steel Day Tank; Tramont UTRX..... Note: Includes rust-inhibitor coated interior and gray painted exterior.	2,348.17	234.08
23 13 23 13-0030 EA 150 Gallon Double Wall Steel Day Tank; Tramont UTRX..... Note: Includes rust-inhibitor coated interior and gray painted exterior.	2,905.70	267.51
23 13 23 13-0031 EA 200 Gallon Double Wall Steel Day Tank; Tramont UTRX..... Note: Includes rust-inhibitor coated interior and gray painted exterior.	3,652.35	300.96
23 13 23 13-0032 EA 275 Gallon Double Wall Steel Day Tank; Tramont UTRX..... Note: Includes rust-inhibitor coated interior and gray painted exterior.	4,047.24	334.39
23 13 23 13-0033 EA 300 Gallon Double Wall Steel Day Tank; Tramont UTRX..... Note: Includes rust-inhibitor coated interior and gray painted exterior.	4,610.08	401.28
23 13 23 13-0034 EA 350 Gallon Double Wall Steel Day Tank; Tramont UTRX..... Note: Includes rust-inhibitor coated interior and gray painted exterior.	5,147.70	468.16
23 13 23 13-0035 EA 400 Gallon Double Wall Steel Day Tank; Tramont UTRX..... Note: Includes rust-inhibitor coated interior and gray painted exterior.	5,700.46	535.04
23 13 23 13-0036 EA 450 Gallon Double Wall Steel Day Tank; Tramont UTRX..... Note: Includes rust-inhibitor coated interior and gray painted exterior.	6,293.29	568.47
23 13 23 13-0037 EA 500 Gallon Double Wall Steel Day Tank; Tramont UTRX..... Note: Includes rust-inhibitor coated interior and gray painted exterior.	6,889.91	601.92
23 13 23 13-0038 EA 550 Gallon Double Wall Steel Day Tank; Tramont UTRX..... Note: Includes rust-inhibitor coated interior and gray painted exterior.	7,567.23	635.35
23 13 23 13-0039 EA 600 Gallon Double Wall Steel Day Tank; Tramont UTRX..... Note: Includes rust-inhibitor coated interior and gray painted exterior.	8,160.07	668.79
23 13 23 13-0040 EA 700 Gallon Double Wall Steel Day Tank; Tramont UTRX..... Note: Includes rust-inhibitor coated interior and gray painted exterior.	9,087.79	802.55
23 13 23 13-0041 EA 800 Gallon Double Wall Steel Day Tank; Tramont UTRX..... Note: Includes rust-inhibitor coated interior and gray painted exterior.	9,788.05	869.43
23 13 23 13-0042 EA 900 Gallon Double Wall Steel Day Tank; Tramont UTRX..... Note: Includes rust-inhibitor coated interior and gray painted exterior.	10,743.51	1,003.19
23 13 23 13-0043 EA 1,000 Gallon Double Wall Steel Day Tank; Tramont UTRX..... Note: Includes rust-inhibitor coated interior and gray painted exterior.	11,702.75	1,136.94
23 13 23 13-0044 EA 10 Gallon Double Wall Steel Day Tank With Pump; Tramont TRE..... Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	1,801.46	133.76
23 13 23 13-0045 EA 15 Gallon Double Wall Steel Day Tank With Pump; Tramont TRE..... Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	1,861.79	140.44
23 13 23 13-0046 EA 25 Gallon Double Wall Steel Day Tank With Pump; Tramont TRE..... Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	1,917.59	150.47
23 13 23 13-0047 EA 50 Gallon Double Wall Steel Day Tank With Pump; Tramont TRE..... Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	2,120.90	160.51
23 13 23 13-0048 EA 60 Gallon Double Wall Steel Day Tank With Pump; Tramont TRE..... Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	2,198.87	167.20
23 13 23 13-0049 EA 75 Gallon Double Wall Steel Day Tank With Pump; Tramont TRE..... Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	2,436.16	200.64
23 13 23 13-0050 EA 100 Gallon Double Wall Steel Day Tank With Pump; Tramont TRE..... Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	2,929.40	234.08
23 13 23 13-0051 EA 150 Gallon Double Wall Steel Day Tank With Pump; Tramont TRE..... Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	3,686.14	267.51
23 13 23 13-0052 EA 200 Gallon Double Wall Steel Day Tank With Pump; Tramont TRE..... Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	4,145.33	300.96
23 13 23 13-0053 EA 275 Gallon Double Wall Steel Day Tank With Pump; Tramont TRE..... Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	5,395.05	334.39
23 13 23 13-0054 EA 300 Gallon Double Wall Steel Day Tank With Pump; Tramont TRE..... Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	6,106.66	401.28
23 13 23 13-0055 EA 350 Gallon Double Wall Steel Day Tank With Pump; Tramont TRE..... Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	6,545.93	468.16
23 13 23 13-0056 EA 400 Gallon Double Wall Steel Day Tank With Pump; Tramont TRE..... Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	7,134.00	535.04
23 13 23 13-0057 EA 450 Gallon Double Wall Steel Day Tank With Pump; Tramont TRE..... Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	7,700.36	568.47
23 13 23 13-0058 EA 500 Gallon Double Wall Steel Day Tank With Pump; Tramont TRE..... Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	8,443.23	601.92
23 13 23 13-0059 EA 550 Gallon Double Wall Steel Day Tank With Pump; Tramont TRE..... Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	8,759.96	635.35
23 13 23 13-0060 EA 600 Gallon Double Wall Steel Day Tank With Pump; Tramont TRE..... Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	9,045.15	668.79
23 13 23 13-0061 EA 700 Gallon Double Wall Steel Day Tank With Pump; Tramont TRE..... Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	10,361.21	802.55
23 13 23 13-0062 EA 800 Gallon Double Wall Steel Day Tank With Pump; Tramont TRE..... Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	11,612.44	869.43
23 13 23 13-0063 EA 900 Gallon Double Wall Steel Day Tank With Pump; Tramont TRE..... Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	13,004.14	1,003.19
23 13 23 13-0064 EA 1,000 Gallon Double Wall Steel Day Tank With Pump; Tramont TRE..... Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	14,417.27	1,136.94
23 13 23 13-0065 EA 10 Gallon Double Wall Steel Day Tank With Pump; Tramont UTRX..... Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	2,633.60	133.76
23 13 23 13-0066 EA 15 Gallon Double Wall Steel Day Tank With Pump; Tramont UTRX..... Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	2,693.92	140.44
23 13 23 13-0067 EA 25 Gallon Double Wall Steel Day Tank With Pump; Tramont UTRX..... Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	2,749.73	150.47
23 13 23 13-0068 EA 50 Gallon Double Wall Steel Day Tank With Pump; Tramont UTRX..... Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	2,953.04	160.51
23 13 23 13-0069 EA 60 Gallon Double Wall Steel Day Tank With Pump; Tramont UTRX..... Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	3,031.01	167.20
23 13 23 13-0070 EA 75 Gallon Double Wall Steel Day Tank With Pump; Tramont UTRX..... Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	3,268.29	200.64



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 13 23 13-0071 EA 100 Gallon Double Wall Steel Day Tank With Pump; Tramont UTRE Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	3,761.54	234.08
23 13 23 13-0072 EA 150 Gallon Double Wall Steel Day Tank With Pump; Tramont UTRE Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	4,518.28	267.51
23 13 23 13-0073 EA 200 Gallon Double Wall Steel Day Tank With Pump; Tramont UTRE Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	5,032.94	300.96
23 13 23 13-0074 EA 275 Gallon Double Wall Steel Day Tank With Pump; Tramont UTRE Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	5,937.20	334.39
23 13 23 13-0075 EA 300 Gallon Double Wall Steel Day Tank With Pump; Tramont UTRE Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	6,648.81	401.28
23 13 23 13-0076 EA 350 Gallon Double Wall Steel Day Tank With Pump; Tramont UTRE Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	7,089.34	468.16
23 13 23 13-0077 EA 400 Gallon Double Wall Steel Day Tank With Pump; Tramont UTRE Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	7,676.15	535.04
23 13 23 13-0078 EA 450 Gallon Double Wall Steel Day Tank With Pump; Tramont UTRE Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	8,243.77	568.47
23 13 23 13-0079 EA 500 Gallon Double Wall Steel Day Tank With Pump; Tramont UTRE Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	8,985.38	601.92
23 13 23 13-0080 EA 550 Gallon Double Wall Steel Day Tank With Pump; Tramont UTRE Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	9,302.11	635.35
23 13 23 13-0081 EA 600 Gallon Double Wall Steel Day Tank With Pump; Tramont UTRE Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	9,587.30	668.79
23 13 23 13-0082 EA 700 Gallon Double Wall Steel Day Tank With Pump; Tramont UTRE Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	10,903.36	802.55
23 13 23 13-0083 EA 800 Gallon Double Wall Steel Day Tank With Pump; Tramont UTRE Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	12,155.85	869.43
23 13 23 13-0084 EA 900 Gallon Double Wall Steel Day Tank With Pump; Tramont UTRE Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	13,546.29	1,003.19
23 13 23 13-0085 EA 1,000 Gallon Double Wall Steel Day Tank With Pump; Tramont UTRE Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	14,959.42	1,136.94
23 13 23 13-0086 EA 10 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont TRS Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	3,098.84	133.76
23 13 23 13-0087 EA 15 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont TRS Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	3,165.46	140.44
23 13 23 13-0088 EA 25 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont TRS Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	3,222.53	150.47
23 13 23 13-0089 EA 50 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont TRS Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	3,432.14	160.51
23 13 23 13-0090 EA 60 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont TRS Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	3,545.42	167.20
23 13 23 13-0091 EA 75 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont TRS Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	3,762.53	200.64
23 13 23 13-0092 EA 100 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont TRS Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	4,274.69	234.08
23 13 23 13-0093 EA 150 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont TRS Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	5,066.73	267.51
23 13 23 13-0094 EA 200 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont TRS Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	5,542.31	300.96
23 13 23 13-0095 EA 275 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont TRS Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	6,839.94	334.39
23 13 23 13-0096 EA 300 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont TRS Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	7,586.85	401.28
23 13 23 13-0097 EA 350 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont TRS Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	7,987.04	468.16
23 13 23 13-0098 EA 400 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont TRS Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	8,650.75	535.04
23 13 23 13-0099 EA 450 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont TRS Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	9,333.11	568.47
23 13 23 13-0100 EA 500 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont TRS Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	10,019.24	601.92
23 13 23 13-0101 EA 550 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont TRS Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	10,372.53	635.35
23 13 23 13-0102 EA 600 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont TRS Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	10,638.82	668.79
23 13 23 13-0103 EA 700 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont TRS Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	12,011.61	802.55

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 10 Facility Fuel Systems****23 13 Facility Fuel-Storage Tanks**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 13 23 13-0104 EA 800 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont TRS Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	13,322.10	869.43
23 13 23 13-0105 EA 900 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont TRS Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	14,773.06	1,003.19
23 13 23 13-0106 EA 1,000 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont TRS Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	16,242.93	1,136.94
23 13 23 13-0107 EA 10 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont UTRS..... Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	3,930.97	133.76
23 13 23 13-0108 EA 15 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont UTRS..... Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	3,997.60	140.44
23 13 23 13-0109 EA 25 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont UTRS..... Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	4,054.66	150.47
23 13 23 13-0110 EA 50 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont UTRS..... Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	4,264.28	160.51
23 13 23 13-0111 EA 60 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont UTRS..... Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	4,377.55	167.20
23 13 23 13-0112 EA 75 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont UTRS..... Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	4,592.15	200.64
23 13 23 13-0113 EA 100 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont UTRS..... Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	5,106.82	234.08
23 13 23 13-0114 EA 150 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont UTRS..... Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	5,898.86	267.51
23 13 23 13-0115 EA 200 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont UTRS..... Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	6,374.44	300.96
23 13 23 13-0116 EA 275 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont UTRS..... Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	7,382.08	334.39
23 13 23 13-0117 EA 300 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont UTRS..... Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	8,129.00	401.28
23 13 23 13-0118 EA 350 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont UTRS..... Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	8,655.27	468.16
23 13 23 13-0119 EA 400 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont UTRS..... Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	9,192.90	535.04
23 13 23 13-0120 EA 450 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont UTRS..... Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	9,875.26	568.47
23 13 23 13-0121 EA 500 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont UTRS..... Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	10,561.39	601.92
23 13 23 13-0122 EA 550 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont UTRS..... Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	10,914.68	635.35
23 13 23 13-0123 EA 600 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont UTRS..... Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	11,182.23	668.79
23 13 23 13-0124 EA 700 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont UTRS..... Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	12,553.76	802.55
23 13 23 13-0125 EA 800 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont UTRS..... Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	13,864.25	869.43
23 13 23 13-0126 EA 900 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont UTRS..... Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	15,315.20	1,003.19
23 13 23 13-0127 EA 1,000 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont UTRS..... Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	16,785.08	1,136.94
23 13 23 13-0128 EA 150% Containment Double Wall Open Top Basin For 10 Gallon Tank.....	911.94	133.76
23 13 23 13-0129 EA 150% Containment Double Wall Open Top Basin For 15 Gallon Tank.....	986.33	140.44
23 13 23 13-0130 EA 150% Containment Double Wall Open Top Basin For 25 Gallon Tank.....	1,069.62	150.47
23 13 23 13-0131 EA 150% Containment Double Wall Open Top Basin For 50 Gallon Tank.....	1,217.81	160.51
23 13 23 13-0132 EA 150% Containment Double Wall Open Top Basin For 60 Gallon Tank.....	1,600.09	167.20
23 13 23 13-0133 EA 150% Containment Double Wall Open Top Basin For 75 Gallon Tank.....	1,655.82	200.64
23 13 23 13-0134 EA 150% Containment Double Wall Open Top Basin For 100 Gallon Tank.....	2,074.37	234.08
23 13 23 13-0135 EA 150% Containment Double Wall Open Top Basin For 150 Gallon Tank.....	2,557.82	267.51
23 13 23 13-0136 EA 150% Containment Double Wall Open Top Basin For 200 Gallon Tank.....	3,339.17	300.96
23 13 23 13-0137 EA 150% Containment Double Wall Open Top Basin For 275 Gallon Tank.....	4,177.11	334.39
23 13 23 13-0138 EA 150% Containment Double Wall Open Top Basin For 300 Gallon Tank.....	5,014.20	401.28
23 13 23 13-0139 EA 150% Containment Double Wall Open Top Basin For 350 Gallon Tank.....	5,403.59	468.16
23 13 23 13-0140 EA 150% Containment Double Wall Open Top Basin For 400 Gallon Tank.....	5,794.67	535.04

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 10 Facility Fuel Systems****23 13 Facility Fuel-Storage Tanks**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 13 23 16-0006 EA 2,000 Gallon, Steel Storage Tank, With 3/16" Shell, Aboveground With Supports, Coating And Fittings.....	6,833.86	1,838.60
23 13 23 16-0007 EA 3,000 Gallon, Steel Storage Tank, With 3/16" Shell, Aboveground With Supports, Coating And Fittings.....	9,728.58	1,892.67
23 13 23 16-0008 EA 5,000 Gallon, Steel Storage Tank, With 3/16" Shell, Aboveground With Supports, Coating And Fittings.....	13,874.20	2,340.03
23 13 23 16-0009 EA 8,000 Gallon, Steel Storage Tank, With 1/4" Shell, Aboveground With Supports, Coating And Fittings.....	18,704.17	2,681.23
23 13 23 16-0010 EA 10,000 Gallon, Steel Storage Tank, With 1/4" Shell, Aboveground With Supports, Coating And Fittings.....	22,115.62	2,924.96
23 13 23 16-0011 EA 12,000 Gallon, Steel Storage Tank, With 1/4" Shell, Aboveground With Supports, Coating And Fittings.....	25,555.72	3,217.48
23 13 23 16-0012 EA 15,000 Gallon, Steel Storage Tank, With 1/4" Shell, Aboveground With Supports, Coating And Fittings.....	28,298.99	3,574.94
23 13 23 16-0013 EA 20,000 Gallon, Steel Storage Tank, With 1/4" Shell, Aboveground With Supports, Coating And Fittings.....	35,433.77	4,596.35
23 13 23 16-0014 EA 30,000 Gallon, Steel Storage Tank, With 1/4" Shell, Aboveground With Supports, Coating And Fittings.....	47,803.64	5,362.46
23 13 23 16-0015 Double Wall Aboveground Storage Tanks <small>(23 13 23 16)</small>		
Note: Includes cradles, supports, coating, fittings, and 4" NPT connections as follows: up to 1000 gallon, 4 each: all others 6 each. Excludes pumps, piping, excavation and backfill.		
23 13 23 16-0016 EA 300 Gallon, Steel Storage Tank, Double Wall, With 3/16" Shell, Aboveground With Supports, Coating And Fittings.....	4,175.40	907.11
23 13 23 16-0017 EA 550 Gallon, Steel Storage Tank, Double Wall, With 3/16" Shell, Aboveground With Supports, Coating And Fittings.....	5,022.67	1,097.71
23 13 23 16-0018 EA 1,000 Gallon, Steel Storage Tank, Double Wall, With 3/16" Shell, Aboveground With Supports, Coating And Fittings.....	6,700.64	1,444.13
23 13 23 16-0019 EA 1,500 Gallon, Steel Storage Tank, Double Wall, With 3/16" Shell, Aboveground With Supports, Coating And Fittings.....	8,635.31	1,805.16
23 13 23 16-0020 EA 2,000 Gallon, Steel Storage Tank, Double Wall, With 3/16" Shell, Aboveground With Supports, Coating And Fittings.....	10,354.65	2,298.23
23 13 23 16-0021 EA 3,000 Gallon, Steel Storage Tank, Double Wall, With 3/16" Shell, Aboveground With Supports, Coating And Fittings.....	15,170.06	2,365.77
23 13 23 16-0022 EA 5,000 Gallon, Steel Storage Tank, Double Wall, With 3/16" Shell, Aboveground With Supports, Coating And Fittings.....	21,832.44	2,914.38
23 13 23 16-0023 EA 8,000 Gallon, Steel Storage Tank, Double Wall, With 1/4" Shell, Aboveground With Supports, Coating And Fittings.....	29,733.25	3,351.56
23 13 23 16-0024 EA 10,000 Gallon, Steel Storage Tank, Double Wall, With 1/4" Shell, Aboveground With Supports, Coating And Fittings.....	35,301.61	3,656.25
23 13 23 16-0025 EA 12,000 Gallon, Steel Storage Tank, Double Wall, With 1/4" Shell, Aboveground With Supports, Coating And Fittings.....	40,889.05	4,021.79
23 13 23 16-0026 EA 15,000 Gallon, Steel Storage Tank, Double Wall, With 1/4" Shell, Aboveground With Supports, Coating And Fittings.....	45,271.10	4,468.75
23 13 23 16-0027 EA 20,000 Gallon, Steel Storage Tank, Double Wall, With 1/4" Shell, Aboveground With Supports, Coating And Fittings.....	56,613.75	5,745.46
23 13 23 16-0028 EA 30,000 Gallon, Steel Storage Tank, Double Wall, With 1/4" Shell, Aboveground With Supports, Coating And Fittings.....	76,874.31	6,703.02
23 13 23 19 Containment-Dike, Steel, Aboveground Fuel-Oil, Storage Tanks <small>(23 13 23)</small>		
23 13 23 19-0001 Secondary Containment For Above Ground Tanks <small>(23 13 23 19)</small>		
23 13 23 19-0002 EA Steel Dike For 550 Gallon Tank, Uncoated.....	3,003.09	
23 13 23 19-0003 EA Steel Dike For 1,000 Gallon Tank, Uncoated.....	3,631.93	
23 13 23 19-0004 EA Steel Dike For 2,000 Gallon Tank, Uncoated.....	7,837.81	
23 13 23 19-0005 EA Steel Dike For 3,000 Gallon Tank, Uncoated.....	8,607.68	
23 13 23 19-0006 EA Steel Dike For 5,000 Gallon Tank, Uncoated.....	12,186.41	
23 13 23 19-0007 EA Steel Dike For 6,000 Gallon Tank, Uncoated.....	13,651.45	
23 13 23 19-0008 EA Steel Dike For 8,000 Gallon Tank, Uncoated.....	17,998.35	
23 13 23 19-0009 EA Steel Dike For 10,000 Gallon Tank, Uncoated.....	21,139.20	
23 13 23 19-0010 EA Steel Dike For 12,000 Gallon Tank, Uncoated.....	23,997.84	
23 13 23 19-0011 EA Steel Dike For 15,000 Gallon Tank, Uncoated.....	29,230.78	
23 13 23 19-0012 EA Steel Dike For 20,000 Gallon Tank, Uncoated.....	37,390.53	
23 13 23 26 Concrete-Vaulted, Steel, Aboveground Fuel-Oil, Storage Tanks <small>(23 13 23)</small>		
23 13 23 26-0001 Aboveground Concrete Vaulted Storage Tanks <small>(23 13 23 26)</small>		
Note: Includes setting in place with stand, NPT openings for an emergency vent, regular vent, gauge, fill with an internal 5 gallon minimum overflow containment, supply and return and leak detection. All tanks that are 2000 gallon and larger shall have a ladder for access. Excludes excavation, pad, pumps and piping.		
23 13 23 26-0002 EA 500 Gallon Concrete Vaulted Storage Tank.....	16,963.47	1,391.64
For Low Profile Tanks, Add	6,008.66	
23 13 23 26-0003 EA 1,000 Gallon Concrete Vaulted Storage Tank.....	21,274.86	1,571.03
For Low Profile Tanks, Add	7,633.09	
23 13 23 26-0004 EA 2,000 Gallon Concrete Vaulted Storage Tank.....	37,293.43	1,870.63
For Low Profile Tanks, Add	13,873.30	
23 13 23 26-0005 EA 4,000 Gallon Concrete Vaulted Storage Tank.....	59,661.84	4,114.48
23 13 23 26-0006 EA 5,000 Gallon Concrete Vaulted Storage Tank.....	68,036.71	4,493.69
23 13 23 26-0007 EA 6,000 Gallon Concrete Vaulted Storage Tank.....	76,492.79	4,852.85
23 13 23 26-0008 EA 8,000 Gallon Concrete Vaulted Storage Tank.....	84,926.77	5,265.98
23 13 23 26-0009 EA 10,000 Gallon Concrete Vaulted Storage Tank.....	93,354.06	5,605.39
23 13 33 Facility Fuel-Oil, Storage Tank Accessories <small>(23 13)</small>		
23 13 33 00-0001 EPA Requirements <small>(23 13 33)</small>		
23 13 33 00-0002 EA Fill Pipe Spill Containment Manhole (5 Gallon).....	395.61	
23 13 33 00-0003 EA Over-Fill Prevention Valve.....	515.14	
23 13 33 00-0004 EA Tank Manway With Cover, Fiberglass.....	1,678.96	
23 13 33 00-0005 EA Tank Manway With Cover, Steel.....	1,587.70	
23 13 33 00-0006 EA Vent Fill Alarm (Whistle Vent).....	100.66	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 13 33 00-0007	EA			Reservoir Sensor, Liquid Level.....	227.26	
23 13 33 00-0008	EA			Manhole Spill Containment.....	871.09	259.03
23 13 33 00-0009	EA			Fill Adapter, 4".....	249.17	172.72
23 13 33 00-0010	EA			Fill Cap, 4".....	162.07	64.75
23 13 33 00-0011	EA			Vent Cap, 2".....	102.87	43.20
23 13 33 00-0012	EA			4" X 2" Extractor Fitting.....	243.32	64.75
23 13 33 00-0013	EA			Float Vent Valve.....	309.90	129.52
23 13 33 00-0014	EA			Vapor Hose Adapter.....	264.37	86.30
23 13 33 00-0015	EA			Dust Cap.....	126.74	47.14
23 13 33 00-0016	EA			1" Double Poppet Foot Valve.....	261.69	73.97
23 13 33 00-0017	EA			10' Wood Gage Stick.....	19.44	
23 13 33 00-0018	EA			1-1/4" Tank Filled Breather, NPT.....	79.71	
23 13 33 00-0019	EA			1-1/2" Tank Filled Breather, Bayonet.....	99.79	
23 13 33 00-0020	EA			2" Cast Iron Combination Fill Cap And Vent.....	60.67	
23 13 33 00-0021	EA			3" Cast Iron Combination Fill Cap And Vent.....	77.21	
23 13 33 00-0022	EA			4" Cast Iron Combination Fill Cap And Vent.....	112.57	
23 13 33 00-0023	EA			Pressure And Vacuum Control Vent.....	373.13	
23 13 33 00-0024	EA			1/4 HP Fuel/Diesel Pump Set.....	1,098.35	
23 13 33 00-0025	EA			1/3 HP Fuel/Diesel Pump Set.....	1,290.97	
23 13 33 00-0026	EA			1/2 HP Fuel/Diesel Pump Set.....	1,411.62	
23 13 33 00-0027	EA			3/4 HP Fuel/Diesel Pump Set.....	1,551.00	
23 13 33 00-0028	EA			1 HP Fuel/Diesel Pump Set.....	2,160.66	
23 13 33 00-0029	EA			1-1/2 HP Fuel/Diesel Pump Set.....	2,645.92	
23 13 33 00-0030	EA			2 HP Fuel/Diesel Pump Set.....	2,932.54	
23 13 33 00-0031	EA			3 HP Fuel/Diesel Pump Set.....	3,575.83	
23 13 33 00-0032	EA			5 HP Fuel/Diesel Pump Set.....	4,215.00	
23 13 33 00-0033	EA			7.5 HP Fuel/Diesel Pump Set.....	4,718.74	
23 13 33 00-0034	EA			10 HP Fuel/Diesel Pump Set.....	5,437.81	
23 13 33 00-0035				Tank Bulkhead Fittings (23 13 33)		
23 13 33 00-0036				Tank Bulkhead Fittings (23 13 33 00-0035)		
23 13 33 00-0037				Polyvinyl Chloride (PVC) Tank Bulkhead Fittings, Socket x Threaded Connection (23 13 33 00-0036)		
23 13 33 00-0038	EA			1/2" Polyvinyl Chloride (PVC) Bulkhead Fitting, Socket x Thread.....	33.16	
23 13 33 00-0039	EA			3/4" Polyvinyl Chloride (PVC) Bulkhead Fitting, Socket x Thread.....	36.93	
23 13 33 00-0040	EA			1" Polyvinyl Chloride (PVC) Bulkhead Fitting, Socket x Thread.....	40.54	
23 13 33 00-0041	EA			1-1/4" Polyvinyl Chloride (PVC) Bulkhead Fitting, Socket x Thread.....	47.38	
23 13 33 00-0042	EA			1-1/2" Polyvinyl Chloride (PVC) Bulkhead Fitting, Socket x Thread.....	49.61	
23 13 33 00-0043	EA			2" Polyvinyl Chloride (PVC) Bulkhead Fitting, Socket x Thread.....	61.47	
23 13 33 00-0044	EA			3" Polyvinyl Chloride (PVC) Bulkhead Fitting, Socket x Thread.....	89.34	
23 13 33 00-0045	EA			4" Polyvinyl Chloride (PVC) Bulkhead Fitting, Socket x Thread.....	144.28	
23 13 33 00-0046				Polyvinyl Chloride (PVC) Tank Bulkhead Fittings, Thread x Threaded Connection (23 13 33 00-0036)		
23 13 33 00-0047	EA			1/2" Polyvinyl Chloride (PVC) Bulkhead Fitting, Thread x Thread.....	36.79	
23 13 33 00-0048	EA			3/4" Polyvinyl Chloride (PVC) Bulkhead Fitting, Thread x Thread.....	40.55	
23 13 33 00-0049	EA			1" Polyvinyl Chloride (PVC) Bulkhead Fitting, Thread x Thread.....	44.31	
23 13 33 00-0050	EA			1-1/4" Polyvinyl Chloride (PVC) Bulkhead Fitting, Thread x Thread.....	53.24	
23 13 33 00-0051	EA			1-1/2" Polyvinyl Chloride (PVC) Bulkhead Fitting, Thread x Thread.....	57.00	
23 13 33 00-0052	EA			2" Polyvinyl Chloride (PVC) Bulkhead Fitting, Thread x Thread.....	68.16	
23 13 33 00-0053	EA			3" Polyvinyl Chloride (PVC) Bulkhead Fitting, Thread x Thread.....	98.27	
23 13 33 00-0054	EA			4" Polyvinyl Chloride (PVC) Bulkhead Fitting, Thread x Thread.....	156.96	
23 13 33 00-0055				Chlorinated Polyvinyl Chloride (CPVC) Tank Bulkhead Fittings, Socket x Threaded Connection (23 13 33 00-0036)		
23 13 33 00-0056	EA			1/2" Chlorinated Polyvinyl Chloride (CPVC) Bulkhead Fitting, Socket x Thread.....	37.62	
23 13 33 00-0057	EA			3/4" Chlorinated Polyvinyl Chloride (CPVC) Bulkhead Fitting, Socket x Thread.....	42.93	
23 13 33 00-0058	EA			1" Chlorinated Polyvinyl Chloride (CPVC) Bulkhead Fitting, Socket x Thread.....	48.08	
23 13 33 00-0059	EA			1-1/2" Chlorinated Polyvinyl Chloride (CPVC) Bulkhead Fitting, Socket x Thread.....	60.63	
23 13 33 00-0060	EA			2" Chlorinated Polyvinyl Chloride (CPVC) Bulkhead Fitting, Socket x Thread.....	75.68	
23 13 33 00-0061	EA			3" Chlorinated Polyvinyl Chloride (CPVC) Bulkhead Fitting, Socket x Thread.....	110.40	
23 13 33 00-0062	EA			4" Chlorinated Polyvinyl Chloride (CPVC) Bulkhead Fitting, Socket x Thread.....	164.50	
23 13 33 00-0063				Polypropylene Tank Bulkhead Fitting Thread x Threaded Connection (23 13 33 00-0036)		
23 13 33 00-0064	EA			1/2" Polypropylene Bulkhead Fitting, Thread x Thread.....	42.23	
23 13 33 00-0065	EA			3/4" Polypropylene Bulkhead Fitting, Thread x Thread.....	49.07	
23 13 33 00-0066	EA			1" Polypropylene Bulkhead Fitting, Thread x Thread.....	58.81	
23 13 33 00-0067	EA			1-1/4" Polypropylene Bulkhead Fitting, Thread x Thread.....	69.97	
23 13 33 00-0068	EA			1-1/2" Polypropylene Bulkhead Fitting, Thread x Thread.....	72.20	
23 13 33 00-0069	EA			2" Polypropylene Bulkhead Fitting, Thread x Thread.....	97.85	
23 13 33 00-0070	EA			3" Polypropylene Bulkhead Fitting, Thread x Thread.....	163.94	
23 13 33 00-0071	EA			4" Polypropylene Bulkhead Fitting, Thread x Thread.....	280.22	

23 Heating, Ventilating, And Air-Conditioning (HVAC)

23 10 Facility Fuel Systems

23 13 Facility Fuel-Storage Tanks



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

23 13 33 00-0072	Polyethylene Tank Bulkhead Fittings Thread x Threaded Connection <small>(23 13 33 00-0036)</small>		
23 13 33 00-0073	EA 3/4" Polyethylene Bulkhead Fitting, Thread x Thread.....	39.58	
23 13 33 00-0074	EA 1" Polyethylene Bulkhead Fitting, Thread x Thread.....	48.73	
23 13 33 00-0075	EA 1-1/4" Polyethylene Bulkhead Fitting, Thread x Thread.....	50.96	
23 13 33 00-0076	EA 1-1/2" Polyethylene Bulkhead Fitting, Thread x Thread.....	53.19	
23 13 33 00-0077	EA 2" Polyethylene Bulkhead Fitting, Thread x Thread.....	69.27	
23 13 33 00-0078	EA 3" Polyethylene Bulkhead Fitting, Thread x Thread.....	84.92	
23 13 33 00-0079	TFE Teflon Tank Bulkhead Fittings, Thread x Threaded Connection <small>(23 13 33 00-0036)</small>		
23 13 33 00-0080	EA 1/8" TFE Teflon Bulkhead Fitting, Thread x Thread.....	127.44	
23 13 33 00-0081	EA 1/4" TFE Teflon Bulkhead Fitting, Thread x Thread.....	145.60	
23 13 33 00-0082	EA 3/8" TFE Teflon Bulkhead Fitting, Thread x Thread.....	177.38	
23 13 33 00-0083	EA 1/2" TFE Teflon Bulkhead Fitting, Thread x Thread.....	203.54	
23 13 33 00-0084	EA 3/4" TFE Teflon Bulkhead Fitting, Thread x Thread.....	234.03	
23 13 33 00-0085	EA 1" TFE Teflon Bulkhead Fitting, Thread x Thread.....	292.82	
23 13 33 00-0086	EA 1-1/2" TFE Teflon Bulkhead Fitting, Thread x Thread.....	378.75	
23 13 33 00-0087	EA 2" TFE Teflon Bulkhead Fitting, Thread x Thread.....	417.99	
23 13 33 00-0088	Self-Aligning Bulkhead Fittings <small>(23 13 33 00-0035)</small>		
23 13 33 00-0089	EA 3/4" Self-Aligning Polyvinyl Chloride (PVC) Bulkhead Fitting.....	133.73	
23 13 33 00-0090	EA 1" Self-Aligning Polyvinyl Chloride (PVC) Bulkhead Fitting.....	135.02	
23 13 33 00-0091	EA 1-1/2" Self-Aligning Polyvinyl Chloride (PVC) Bulkhead Fitting.....	193.32	
23 13 33 00-0092	EA 2" Self-Aligning Polyvinyl Chloride (PVC) Bulkhead Fitting.....	198.17	
23 13 33 00-0093	EA 3" Self-Aligning Polyvinyl Chloride (PVC) Bulkhead Fitting.....	262.71	

23 20 HVAC Piping And Pumps (23)

Note: The demolition price for only the length of pipe (LF) shall be used for lengths (LF) of pipe removal which do include the fittings, valves, and insulation. The demolition price for individual fittings, valves, and insulation shall not be used in conjunction with pipe (LF) demolition tasks.

23 21 Hydronic Piping And Pumps (23 20)

23 21 13 Hydronic Piping (23 21)

Note: The demolition price for only the length of pipe (LF) shall be used for lengths (LF) of pipe removal which do include the fittings, valves, and insulation. The demolition price for individual fittings, valves, and insulation shall not be used in conjunction with pipe (LF) demolition tasks.

23 21 13 23 Aboveground Hydronic Piping (23 21 13)

23 21 13 23-0001 Threaded Black Steel Pipe (23 21 13 23)

23 21 13 23-0002 Threaded Black Steel Pipe Assemblies (23 21 13 23-0001)

Note: ASTM A-53. Threaded and coupled. Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.

23 21 13 23-0003	LF 1/2" Schedule 40 Threaded Black Steel Pipe With 150 LB Malleable Iron Fitting Assembly.....	16.41	4.10
	Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.		
	<i>For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add</i>	3.65	
	<i>For Work In Restricted Working Space, Add</i>	4.24	
23 21 13 23-0004	LF 3/4" Schedule 40 Threaded Black Steel Pipe With 150 LB Malleable Iron Fitting Assembly.....	17.43	4.41
	Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.		
	<i>For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add</i>	3.91	
	<i>For Work In Restricted Working Space, Add</i>	4.43	
23 21 13 23-0005	LF 1" Schedule 40 Threaded Black Steel Pipe With 150 LB Malleable Iron Fitting Assembly.....	18.65	4.83
	Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.		
	<i>For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add</i>	4.22	
	<i>For Work In Restricted Working Space, Add</i>	4.67	
23 21 13 23-0006	LF 1-1/4" Schedule 40 Threaded Black Steel Pipe With 150 LB Malleable Iron Fitting Assembly.....	21.23	5.03
	Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.		
	<i>For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add</i>	4.95	
	<i>For Work In Restricted Working Space, Add</i>	5.04	
23 21 13 23-0007	LF 1-1/2" Schedule 40 Threaded Black Steel Pipe With 150 LB Malleable Iron Fitting Assembly.....	21.89	5.95
	Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.		
	<i>For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add</i>	5.15	
	<i>For Work In Restricted Working Space, Add</i>	5.11	
23 21 13 23-0008	LF 2" Schedule 40 Threaded Black Steel Pipe With 150 LB Malleable Iron Fitting Assembly.....	25.19	7.18
	Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.		
	<i>For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add</i>	6.00	
	<i>For Work In Restricted Working Space, Add</i>	5.76	
23 21 13 23-0009	LF 2-1/2" Schedule 40 Threaded Black Steel Pipe With 150 LB Malleable Iron Fitting Assembly.....	33.60	8.51
	Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.		
	<i>For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add</i>	8.28	
	<i>For Work In Restricted Working Space, Add</i>	7.15	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0010 LF 3" Schedule 40 Threaded Black Steel Pipe With 150 LB Malleable Iron Fitting Assembly Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available. <i>For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add</i> 10.44 <i>For Work In Restricted Working Space, Add</i> 8.75	41.98	11.38
23 21 13 23-0011 LF 4" Schedule 40 Threaded Black Steel Pipe With 150 LB Malleable Iron Fitting Assembly Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available. <i>For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add</i> 13.43 <i>For Work In Restricted Working Space, Add</i> 9.03	50.67	12.50
23 21 13 23-0012 LF 5" Schedule 40 Threaded Black Steel Pipe With 150 LB Malleable Iron Fitting Assembly Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available. <i>For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add</i> 20.04 <i>For Work In Restricted Working Space, Add</i> 10.76	71.61	15.98
23 21 13 23-0013 LF 6" Schedule 40 Threaded Black Steel Pipe With 150 LB Malleable Iron Fitting Assembly Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available. <i>For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add</i> 23.81 <i>For Work In Restricted Working Space, Add</i> 12.19	84.20	18.89
23 21 13 23-0014 Threaded Black Steel Pipe And Fittings <small>(23 21 13 23-0001)</small> Note: (ASTM A-53) Threaded and coupled, schedule 40. Excludes hangers, elbow, tee, or reducer fittings.		
23 21 13 23-0015 Threaded And Coupled, Black Steel Piping <small>(23 21 13 23-0014)</small> Note: ASTM A-53. Includes coupling.		
23 21 13 23-0016 LF 3/8" Schedule 40, Threaded And Coupled, Black Steel Pipe..... <i>For Schedule 80 Pipe, Add</i> 0.80 <i>For Work In Restricted Working Space, Add</i> 1.55	5.81	2.56
23 21 13 23-0017 LF 1/2" Schedule 40, Threaded And Coupled, Black Steel Pipe..... <i>For Schedule 80 Pipe, Add</i> 1.10 <i>For Work In Restricted Working Space, Add</i> 1.86	7.27	4.10
23 21 13 23-0018 LF 3/4" Schedule 40, Threaded And Coupled, Black Steel Pipe..... <i>For Schedule 80 Pipe, Add</i> 1.28 <i>For Work In Restricted Working Space, Add</i> 1.98	7.98	4.41
23 21 13 23-0019 LF 1" Schedule 40, Threaded And Coupled, Black Steel Pipe..... <i>For Schedule 80 Pipe, Add</i> 1.54 <i>For Work In Restricted Working Space, Add</i> 2.15	8.99	4.83
23 21 13 23-0020 LF 1-1/4" Schedule 40, Threaded And Coupled, Black Steel Pipe <i>For Schedule 80 Pipe, Add</i> 1.86 <i>For Work In Restricted Working Space, Add</i> 2.28	10.04	5.03
23 21 13 23-0021 LF 1-1/2" Schedule 40, Threaded And Coupled, Black Steel Pipe <i>For Schedule 80 Pipe, Add</i> 2.21 <i>For Work In Restricted Working Space, Add</i> 2.68	11.84	5.95
23 21 13 23-0022 LF 2" Schedule 40, Threaded And Coupled, Black Steel Pipe..... <i>For Schedule 80 Pipe, Add</i> 2.80 <i>For Work In Restricted Working Space, Add</i> 3.24	14.62	7.18
23 21 13 23-0023 LF 2-1/2" Schedule 40, Threaded And Coupled, Black Steel Pipe <i>For Schedule 80 Pipe, Add</i> 4.00 <i>For Work In Restricted Working Space, Add</i> 3.85	18.86	8.51
23 21 13 23-0024 LF 3" Schedule 40, Threaded And Coupled, Black Steel Pipe..... <i>For Schedule 80 Pipe, Add</i> 5.27 <i>For Work In Restricted Working Space, Add</i> 5.13	25.00	11.38
23 21 13 23-0025 LF 4" Schedule 40, Threaded And Coupled, Black Steel Pipe..... <i>For Schedule 80 Pipe, Add</i> 7.20 <i>For Work In Restricted Working Space, Add</i> 5.64	30.62	12.50
23 21 13 23-0026 LF 5" Schedule 40, Threaded And Coupled, Black Steel Pipe..... <i>For Schedule 80 Pipe, Add</i> 9.46 <i>For Work In Restricted Working Space, Add</i> 7.18	39.63	15.98
23 21 13 23-0027 LF 6" Schedule 40, Threaded And Coupled, Black Steel Pipe..... <i>For Schedule 80 Pipe, Add</i> 12.15 <i>For Work In Restricted Working Space, Add</i> 8.49	49.02	18.89
23 21 13 23-0028 LF 8" Schedule 40, Threaded And Coupled, Black Steel Pipe..... <i>For Schedule 80 Pipe, Add</i> 17.25 <i>For Work In Restricted Working Space, Add</i> 10.25	64.91	22.84
23 21 13 23-0029 LF 10" Schedule 40, Threaded And Coupled, Black Steel Pipe..... <i>For Schedule 80 Pipe, Add</i> 23.75 <i>For Work In Restricted Working Space, Add</i> 12.53	85.27	27.82
23 21 13 23-0030 LF 12" Schedule 40, Threaded And Coupled, Black Steel Pipe..... <i>For Schedule 80 Pipe, Add</i> 31.80 <i>For Work In Restricted Working Space, Add</i> 16.45	113.31	36.56
23 21 13 23-0031 Black Malleable Iron 90 Degree Elbows <small>(23 21 13 23-0014)</small>		
23 21 13 23-0032 EA 3/8", 150 LB, Black Malleable Iron 90 Degree Elbow..... <i>For 300 LB Rating, Add</i> 5.78 <i>For Standard Weight Cast Iron Fittings, Add</i> 0.03 <i>For Work In Restricted Working Space, Add</i> 6.84	24.63	11.38
23 21 13 23-0033 EA 1/2", 150 LB, Black Malleable Iron 90 Degree Elbow..... <i>For 300 LB Rating, Add</i> 4.69 <i>For Standard Weight Cast Iron Fittings, Add</i> 0.02 <i>For Work In Restricted Working Space, Add</i> 8.21	28.62	18.26

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 20 HVAC Piping And Pumps****23 21 Hydronic Piping And Pumps**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21	13 23-0034	EA	3/4", 150 LB, Black Malleable Iron 90 Degree Elbow.....	32.15	20.41
			<i>For 300 LB Rating, Add</i>	5.53	
			<i>For Standard Weight Cast Iron Fittings, Add</i>	0.02	
			<i>For Work In Restricted Working Space, Add</i>	9.18	
23 21	13 23-0035	EA	1", 150 LB, Black Malleable Iron 90 Degree Elbow.....	36.86	22.77
			<i>For 300 LB Rating, Add</i>	8.46	
			<i>For Standard Weight Cast Iron Fittings, Add</i>	0.04	
			<i>For Work In Restricted Working Space, Add</i>	10.26	
23 21	13 23-0036	EA	1-1/4", 150 LB, Black Malleable Iron 90 Degree Elbow	43.10	25.85
			<i>For 300 LB Rating, Add</i>	12.88	
			<i>For Standard Weight Cast Iron Fittings, Add</i>	0.07	
			<i>For Work In Restricted Working Space, Add</i>	11.61	
23 21	13 23-0037	EA	1-1/2", 150 LB, Black Malleable Iron 90 Degree Elbow	49.43	29.12
			<i>For 300 LB Rating, Add</i>	16.51	
			<i>For Standard Weight Cast Iron Fittings, Add</i>	0.09	
			<i>For Work In Restricted Working Space, Add</i>	13.09	
23 21	13 23-0038	EA	2", 150 LB, Black Malleable Iron 90 Degree Elbow.....	65.43	37.03
			<i>For 300 LB Rating, Add</i>	27.30	
			<i>For Standard Weight Cast Iron Fittings, Add</i>	0.16	
			<i>For Work In Restricted Working Space, Add</i>	16.63	
23 21	13 23-0039	EA	2-1/2", 150 LB, Black Malleable Iron 90 Degree Elbow	104.29	54.77
			<i>For 300 LB Rating, Add</i>	58.30	
			<i>For Standard Weight Cast Iron Fittings, Add</i>	0.36	
			<i>For Work In Restricted Working Space, Add</i>	24.62	
23 21	13 23-0040	EA	3", 150 LB, Black Malleable Iron 90 Degree Elbow.....	140.51	72.00
			<i>For 300 LB Rating, Add</i>	84.60	
			<i>For Standard Weight Cast Iron Fittings, Add</i>	0.52	
			<i>For Work In Restricted Working Space, Add</i>	32.39	
23 21	13 23-0041	EA	4", 150 LB, Black Malleable Iron 90 Degree Elbow.....	179.57	73.11
			<i>For 300 LB Rating, Add</i>	174.39	
			<i>For Standard Weight Cast Iron Fittings, Add</i>	1.12	
			<i>For Work In Restricted Working Space, Add</i>	32.90	
23 21	13 23-0042	EA	5", 150 LB, Black Malleable Iron 90 Degree Elbow.....	318.72	76.31
			<i>For 300 LB Rating, Add</i>	497.21	
			<i>For Standard Weight Cast Iron Fittings, Add</i>	3.27	
			<i>For Work In Restricted Working Space, Add</i>	34.32	
23 21	13 23-0043	EA	6", 150 LB, Black Malleable Iron 90 Degree Elbow.....	355.62	79.79
			<i>For 300 LB Rating, Add</i>	573.60	
			<i>For Standard Weight Cast Iron Fittings, Add</i>	3.78	
			<i>For Work In Restricted Working Space, Add</i>	35.88	
23 21	13 23-0044		Black Malleable Iron Reducing 90 Degree Elbows (23 21 13 23-0014)		
23 21	13 23-0045	EA	1/2" x 3/8", 150 LB, Black Malleable Iron Reducing 90 Degree Elbow.....	27.48	16.72
			<i>For 300 LB Rating, Add</i>	7.31	
			<i>For Standard Weight Cast Iron Fittings, Add</i>	0.04	
			<i>For Work In Restricted Working Space, Add</i>	7.52	
23 21	13 23-0046	EA	3/4" x 1/2", 150 LB, Black Malleable Iron Reducing 90 Degree Elbow.....	31.48	19.28
			<i>For 300 LB Rating, Add</i>	7.74	
			<i>For Standard Weight Cast Iron Fittings, Add</i>	0.04	
			<i>For Work In Restricted Working Space, Add</i>	8.69	
23 21	13 23-0047	EA	3/4" x 3/8", 150 LB, Black Malleable Iron Reducing 90 Degree Elbow.....	30.20	17.84
			<i>For 300 LB Rating, Add</i>	9.98	
			<i>For Standard Weight Cast Iron Fittings, Add</i>	0.06	
			<i>For Work In Restricted Working Space, Add</i>	8.01	
23 21	13 23-0048	EA	1" x 3/4", 150 LB, Black Malleable Iron Reducing 90 Degree Elbow.....	35.61	21.64
			<i>For 300 LB Rating, Add</i>	9.65	
			<i>For Standard Weight Cast Iron Fittings, Add</i>	0.05	
			<i>For Work In Restricted Working Space, Add</i>	9.72	
23 21	13 23-0049	EA	1" x 1/2", 150 LB, Black Malleable Iron Reducing 90 Degree Elbow.....	34.23	20.51
			<i>For 300 LB Rating, Add</i>	10.15	
			<i>For Standard Weight Cast Iron Fittings, Add</i>	0.06	
			<i>For Work In Restricted Working Space, Add</i>	9.23	
23 21	13 23-0050	EA	1" x 3/8", 150 LB, Black Malleable Iron Reducing 90 Degree Elbow.....	35.30	18.97
			<i>For 300 LB Rating, Add</i>	18.05	
			<i>For Standard Weight Cast Iron Fittings, Add</i>	0.11	
			<i>For Work In Restricted Working Space, Add</i>	8.55	
23 21	13 23-0051	EA	1-1/4" x 1", 150 LB, Black Malleable Iron Reducing 90 Degree Elbow	41.83	24.31
			<i>For 300 LB Rating, Add</i>	15.12	
			<i>For Standard Weight Cast Iron Fittings, Add</i>	0.09	
			<i>For Work In Restricted Working Space, Add</i>	10.93	
23 21	13 23-0052	EA	1-1/4" x 3/4", 150 LB, Black Malleable Iron Reducing 90 Degree Elbow	40.66	23.08
			<i>For 300 LB Rating, Add</i>	16.50	
			<i>For Standard Weight Cast Iron Fittings, Add</i>	0.10	
			<i>For Work In Restricted Working Space, Add</i>	10.40	
23 21	13 23-0053	EA	1-1/4" x 1/2", 150 LB, Black Malleable Iron Reducing 90 Degree Elbow	40.05	22.05
			<i>For 300 LB Rating, Add</i>	18.85	
			<i>For Standard Weight Cast Iron Fittings, Add</i>	0.11	
			<i>For Work In Restricted Working Space, Add</i>	9.91	
23 21	13 23-0054	EA	1-1/2" x 1-1/4", 150 LB, Black Malleable Iron Reducing 90 Degree Elbow	48.77	27.48
			<i>For 300 LB Rating, Add</i>	20.71	
			<i>For Standard Weight Cast Iron Fittings, Add</i>	0.12	
			<i>For Work In Restricted Working Space, Add</i>	12.35	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0055 EA 1-1/2" x 1", 150 LB, Black Malleable Iron Reducing 90 Degree Elbow	46.51	25.95
<i>For 300 LB Rating, Add</i>	20.57	
<i>For Standard Weight Cast Iron Fittings, Add</i>	0.12	
<i>For Work In Restricted Working Space, Add</i>	11.67	
23 21 13 23-0056 EA 1-1/2" x 3/4", 150 LB, Black Malleable Iron Reducing 90 Degree Elbow	45.83	24.72
<i>For 300 LB Rating, Add</i>	23.11	
<i>For Standard Weight Cast Iron Fittings, Add</i>	0.14	
<i>For Work In Restricted Working Space, Add</i>	11.14	
23 21 13 23-0057 EA 2" x 1-1/2", 150 LB, Black Malleable Iron Reducing 90 Degree Elbow	60.56	33.02
<i>For 300 LB Rating, Add</i>	29.42	
<i>For Standard Weight Cast Iron Fittings, Add</i>	0.18	
<i>For Work In Restricted Working Space, Add</i>	14.86	
23 21 13 23-0058 EA 2" x 1-1/4", 150 LB, Black Malleable Iron Reducing 90 Degree Elbow	59.59	31.39
<i>For 300 LB Rating, Add</i>	32.87	
<i>For Standard Weight Cast Iron Fittings, Add</i>	0.20	
<i>For Work In Restricted Working Space, Add</i>	14.12	
23 21 13 23-0059 EA 2" x 1", 150 LB, Black Malleable Iron Reducing 90 Degree Elbow	57.33	29.85
<i>For 300 LB Rating, Add</i>	32.74	
<i>For Standard Weight Cast Iron Fittings, Add</i>	0.20	
<i>For Work In Restricted Working Space, Add</i>	13.44	
23 21 13 23-0060 EA 2" x 3/4", 150 LB, Black Malleable Iron Reducing 90 Degree Elbow	56.31	28.72
<i>For 300 LB Rating, Add</i>	34.45	
<i>For Standard Weight Cast Iron Fittings, Add</i>	0.21	
<i>For Work In Restricted Working Space, Add</i>	12.91	
23 21 13 23-0061 EA 2-1/2" x 2", 150 LB, Black Malleable Iron Reducing 90 Degree Elbow	98.99	45.84
<i>For 300 LB Rating, Add</i>	76.70	
<i>For Standard Weight Cast Iron Fittings, Add</i>	0.48	
<i>For Work In Restricted Working Space, Add</i>	20.63	
23 21 13 23-0062 EA 2-1/2" x 1-1/2", 150 LB, Black Malleable Iron Reducing 90 Degree Elbow	94.87	41.95
<i>For 300 LB Rating, Add</i>	80.62	
<i>For Standard Weight Cast Iron Fittings, Add</i>	0.51	
<i>For Work In Restricted Working Space, Add</i>	18.86	
23 21 13 23-0063 EA 3" x 2-1/2", 150 LB, Black Malleable Iron Reducing 90 Degree Elbow	151.59	63.38
<i>For 300 LB Rating, Add</i>	141.52	
<i>For Standard Weight Cast Iron Fittings, Add</i>	0.91	
<i>For Work In Restricted Working Space, Add</i>	28.50	
23 21 13 23-0064 EA 3" x 2", 150 LB, Black Malleable Iron Reducing 90 Degree Elbow	130.58	54.46
<i>For 300 LB Rating, Add</i>	122.21	
<i>For Standard Weight Cast Iron Fittings, Add</i>	0.78	
<i>For Work In Restricted Working Space, Add</i>	24.51	
23 21 13 23-0065 EA 4" x 3", 150 LB, Black Malleable Iron Reducing 90 Degree Elbow	201.01	69.55
<i>For 300 LB Rating, Add</i>	238.36	
<i>For Standard Weight Cast Iron Fittings, Add</i>	1.55	
<i>For Work In Restricted Working Space, Add</i>	31.29	
23 21 13 23-0066 Black Malleable Iron 45 Degree Elbows <small>(23 21 13 23-0014)</small>		
23 21 13 23-0067 EA 3/8", 150 LB, Black Malleable Iron 45 Degree Elbow.....	25.56	11.38
<i>For 300 LB Rating, Add</i>	8.02	
<i>For Standard Weight Cast Iron Fittings, Add</i>	0.04	
<i>For Work In Restricted Working Space, Add</i>	6.84	
23 21 13 23-0068 EA 1/2", 150 LB, Black Malleable Iron 45 Degree Elbow.....	29.46	18.26
<i>For 300 LB Rating, Add</i>	6.71	
<i>For Standard Weight Cast Iron Fittings, Add</i>	0.03	
<i>For Work In Restricted Working Space, Add</i>	8.21	
23 21 13 23-0069 EA 3/4", 150 LB, Black Malleable Iron 45 Degree Elbow.....	33.21	20.41
<i>For 300 LB Rating, Add</i>	8.08	
<i>For Standard Weight Cast Iron Fittings, Add</i>	0.04	
<i>For Work In Restricted Working Space, Add</i>	9.18	
23 21 13 23-0070 EA 1", 150 LB, Black Malleable Iron 45 Degree Elbow	37.46	22.77
<i>For 300 LB Rating, Add</i>	9.90	
<i>For Standard Weight Cast Iron Fittings, Add</i>	0.05	
<i>For Work In Restricted Working Space, Add</i>	10.26	
23 21 13 23-0071 EA 1-1/4", 150 LB, Black Malleable Iron 45 Degree Elbow	44.50	25.85
<i>For 300 LB Rating, Add</i>	16.24	
<i>For Standard Weight Cast Iron Fittings, Add</i>	0.09	
<i>For Work In Restricted Working Space, Add</i>	11.61	
23 21 13 23-0072 EA 1-1/2", 150 LB, Black Malleable Iron 45 Degree Elbow	50.81	29.12
<i>For 300 LB Rating, Add</i>	19.83	
<i>For Standard Weight Cast Iron Fittings, Add</i>	0.11	
<i>For Work In Restricted Working Space, Add</i>	13.09	
23 21 13 23-0073 EA 2", 150 LB, Black Malleable Iron 45 Degree Elbow	66.28	37.03
<i>For 300 LB Rating, Add</i>	29.34	
<i>For Standard Weight Cast Iron Fittings, Add</i>	0.17	
<i>For Work In Restricted Working Space, Add</i>	16.63	
23 21 13 23-0074 EA 2-1/2", 150 LB, Black Malleable Iron 45 Degree Elbow	113.42	54.77
<i>For 300 LB Rating, Add</i>	80.21	
<i>For Standard Weight Cast Iron Fittings, Add</i>	0.50	
<i>For Work In Restricted Working Space, Add</i>	24.62	
23 21 13 23-0075 EA 3", 150 LB, Black Malleable Iron 45 Degree Elbow	148.70	72.00
<i>For 300 LB Rating, Add</i>	104.25	
<i>For Standard Weight Cast Iron Fittings, Add</i>	0.65	
<i>For Work In Restricted Working Space, Add</i>	32.39	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 20 HVAC Piping And Pumps****23 21 Hydronic Piping And Pumps**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0076 EA 4", 150 LB, Black Malleable Iron 45 Degree Elbow.....	189.55	73.11
For 300 LB Rating, Add	198.34	
For Standard Weight Cast Iron Fittings, Add	1.28	
For Work In Restricted Working Space, Add	32.90	
23 21 13 23-0077 EA 5", 150 LB, Black Malleable Iron 45 Degree Elbow.....	430.00	76.31
For 300 LB Rating, Add	764.28	
For Standard Weight Cast Iron Fittings, Add	5.05	
For Work In Restricted Working Space, Add	34.32	
23 21 13 23-0078 EA 6", 150 LB, Black Malleable Iron 45 Degree Elbow.....	442.50	79.79
For 300 LB Rating, Add	782.11	
For Standard Weight Cast Iron Fittings, Add	5.17	
For Work In Restricted Working Space, Add	35.88	
23 21 13 23-0079 Black Malleable Iron Tees (23 21 13 23-0014)		
23 21 13 23-0080 EA 3/8", 150 LB, Black Malleable Iron Tee.....	31.16	14.26
For 300 LB Rating, Add	8.12	
For Standard Weight Cast Iron Fittings, Add	0.04	
For Work In Restricted Working Space, Add	8.55	
23 21 13 23-0081 EA 1/2", 150 LB, Black Malleable Iron Tee.....	35.89	22.77
For 300 LB Rating, Add	6.13	
For Standard Weight Cast Iron Fittings, Add	0.03	
For Work In Restricted Working Space, Add	10.26	
23 21 13 23-0082 EA 3/4", 150 LB, Black Malleable Iron Tee.....	41.89	26.36
For 300 LB Rating, Add	8.22	
For Standard Weight Cast Iron Fittings, Add	0.04	
For Work In Restricted Working Space, Add	11.84	
23 21 13 23-0083 EA 1", 150 LB, Black Malleable Iron Tee.....	50.81	31.07
For 300 LB Rating, Add	12.85	
For Standard Weight Cast Iron Fittings, Add	0.07	
For Work In Restricted Working Space, Add	13.99	
23 21 13 23-0084 EA 1-1/4", 150 LB, Black Malleable Iron Tee.....	62.22	37.03
For 300 LB Rating, Add	19.60	
For Standard Weight Cast Iron Fittings, Add	0.11	
For Work In Restricted Working Space, Add	16.63	
23 21 13 23-0085 EA 1-1/2", 150 LB, Black Malleable Iron Tee.....	74.60	44.10
For 300 LB Rating, Add	24.20	
For Standard Weight Cast Iron Fittings, Add	0.13	
For Work In Restricted Working Space, Add	19.85	
23 21 13 23-0086 EA 2", 150 LB, Black Malleable Iron Tee.....	96.42	54.77
For 300 LB Rating, Add	39.41	
For Standard Weight Cast Iron Fittings, Add	0.23	
For Work In Restricted Working Space, Add	24.62	
23 21 13 23-0087 EA 2-1/2", 150 LB, Black Malleable Iron Tee.....	138.94	72.00
For 300 LB Rating, Add	80.83	
For Standard Weight Cast Iron Fittings, Add	0.50	
For Work In Restricted Working Space, Add	32.39	
23 21 13 23-0088 EA 3", 150 LB, Black Malleable Iron Tee.....	173.84	85.54
For 300 LB Rating, Add	117.20	
For Standard Weight Cast Iron Fittings, Add	0.73	
For Work In Restricted Working Space, Add	38.46	
23 21 13 23-0089 EA 4", 150 LB, Black Malleable Iron Tee.....	248.78	92.38
For 300 LB Rating, Add	272.98	
For Standard Weight Cast Iron Fittings, Add	1.76	
For Work In Restricted Working Space, Add	41.55	
23 21 13 23-0090 EA 5", 150 LB, Black Malleable Iron Tee.....	498.66	109.68
For 300 LB Rating, Add	811.92	
For Standard Weight Cast Iron Fittings, Add	5.35	
For Work In Restricted Working Space, Add	49.34	
23 21 13 23-0091 EA 6", 150 LB, Black Malleable Iron Tee.....	546.60	125.38
For 300 LB Rating, Add	872.01	
For Standard Weight Cast Iron Fittings, Add	5.74	
For Work In Restricted Working Space, Add	56.39	
23 21 13 23-0092 Black Malleable Iron Reducing Tees (23 21 13 23-0014)		
23 21 13 23-0093 EA 1/2", 150 LB, Black Malleable Iron Reducing Tee.....	37.09	22.77
For 300 LB Rating, Add	9.01	
For Standard Weight Cast Iron Fittings, Add	0.05	
For Work In Restricted Working Space, Add	10.26	
23 21 13 23-0094 EA 3/4", 150 LB, Black Malleable Iron Reducing Tee.....	43.23	26.36
For 300 LB Rating, Add	11.44	
For Standard Weight Cast Iron Fittings, Add	0.06	
For Work In Restricted Working Space, Add	11.84	
23 21 13 23-0095 EA 1", 150 LB, Black Malleable Iron Reducing Tee.....	51.39	31.07
For 300 LB Rating, Add	14.25	
For Standard Weight Cast Iron Fittings, Add	0.08	
For Work In Restricted Working Space, Add	13.99	
23 21 13 23-0096 EA 1-1/4", 150 LB, Black Malleable Iron Reducing Tee.....	64.82	37.03
For 300 LB Rating, Add	25.84	
For Standard Weight Cast Iron Fittings, Add	0.15	
For Work In Restricted Working Space, Add	16.63	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0097 EA 1-1/2", 150 LB, Black Malleable Iron Reducing Tee..... <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	76.56 28.91 0.17 19.85	44.10
23 21 13 23-0098 EA 2", 150 LB, Black Malleable Iron Reducing Tee..... <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	97.13 41.12 0.24 24.62	54.77
23 21 13 23-0099 EA 2-1/2", 150 LB, Black Malleable Iron Reducing Tee..... <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	154.95 119.25 0.75 32.39	72.00
23 21 13 23-0100 EA 3", 150 LB, Black Malleable Iron Reducing Tee..... <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	182.03 136.86 0.86 38.46	85.54
23 21 13 23-0101 EA 4", 150 LB, Black Malleable Iron Reducing Tee..... <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	269.02 321.56 2.09 41.55	92.38
23 21 13 23-0102 EA 5", 150 LB, Black Malleable Iron Reducing Tee..... <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	467.21 736.44 4.84 49.34	109.68
23 21 13 23-0103 EA 6", 150 LB, Black Malleable Iron Reducing Tee..... <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	531.33 835.37 5.49 56.39	125.38
23 21 13 23-0104 Black Malleable Iron Couplings <small>(23 21 13 23-0014)</small>		
23 21 13 23-0105 EA 3/8", 150 LB, Black Malleable Iron Coupling..... <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	25.08 6.86 0.04 6.84	11.38
23 21 13 23-0106 EA 1/2", 150 LB, Black Malleable Iron Coupling..... <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	29.11 5.87 0.03 8.21	18.26
23 21 13 23-0107 EA 3/4", 150 LB, Black Malleable Iron Coupling..... <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	32.67 6.78 0.03 9.18	20.41
23 21 13 23-0108 EA 1", 150 LB, Black Malleable Iron Coupling..... <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	37.28 9.47 0.05 10.26	22.77
23 21 13 23-0109 EA 1-1/4", 150 LB, Black Malleable Iron Coupling..... <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	42.70 11.92 0.06 11.61	25.85
23 21 13 23-0110 EA 1-1/2", 150 LB, Black Malleable Iron Coupling..... <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	49.04 15.58 0.09 13.09	29.12
23 21 13 23-0111 EA 2", 150 LB, Black Malleable Iron Coupling..... <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	63.45 22.55 0.13 16.63	37.03
23 21 13 23-0112 EA 2-1/2", 150 LB, Black Malleable Iron Coupling..... <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	104.15 57.96 0.35 24.62	54.77
23 21 13 23-0113 EA 3", 150 LB, Black Malleable Iron Coupling..... <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	137.84 78.19 0.48 32.39	72.00
23 21 13 23-0114 EA 4", 150 LB, Black Malleable Iron Coupling..... <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	169.83 151.01 0.96 32.90	73.11
23 21 13 23-0115 EA 5", 150 LB, Black Malleable Iron Coupling..... <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	283.87 413.57 2.71 34.32	76.31
23 21 13 23-0116 EA 6", 150 LB, Black Malleable Iron Coupling..... <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	312.66 470.50 3.09 35.88	79.79

23 21 13 23-0117 Black Malleable Iron Reducing Couplings (23 21 13 23-0014)

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 20 HVAC Piping And Pumps****23 21 Hydronic Piping And Pumps**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0118 EA 1/2", 150 LB, Black Malleable Iron Reducing Coupling.....	29.54	18.26
For 300 LB Rating, Add	6.90	
For Standard Weight Cast Iron Fittings, Add	0.04	
For Work In Restricted Working Space, Add	8.21	
23 21 13 23-0119 EA 3/4", 150 LB, Black Malleable Iron Reducing Coupling.....	32.93	20.41
For 300 LB Rating, Add	7.40	
For Standard Weight Cast Iron Fittings, Add	0.04	
For Work In Restricted Working Space, Add	9.18	
23 21 13 23-0120 EA 1", 150 LB, Black Malleable Iron Reducing Coupling.....	37.79	22.77
For 300 LB Rating, Add	10.69	
For Standard Weight Cast Iron Fittings, Add	0.06	
For Work In Restricted Working Space, Add	10.26	
23 21 13 23-0121 EA 1-1/4", 150 LB, Black Malleable Iron Reducing Coupling.....	43.34	25.85
For 300 LB Rating, Add	13.46	
For Standard Weight Cast Iron Fittings, Add	0.07	
For Work In Restricted Working Space, Add	11.61	
23 21 13 23-0122 EA 1-1/2", 150 LB, Black Malleable Iron Reducing Coupling.....	49.50	29.12
For 300 LB Rating, Add	16.68	
For Standard Weight Cast Iron Fittings, Add	0.09	
For Work In Restricted Working Space, Add	13.09	
23 21 13 23-0123 EA 2", 150 LB, Black Malleable Iron Reducing Coupling.....	63.93	37.03
For 300 LB Rating, Add	23.70	
For Standard Weight Cast Iron Fittings, Add	0.14	
For Work In Restricted Working Space, Add	16.63	
23 21 13 23-0124 EA 2-1/2", 150 LB, Black Malleable Iron Reducing Coupling.....	107.14	54.77
For 300 LB Rating, Add	65.14	
For Standard Weight Cast Iron Fittings, Add	0.40	
For Work In Restricted Working Space, Add	24.62	
23 21 13 23-0125 EA 3", 150 LB, Black Malleable Iron Reducing Coupling.....	138.45	72.00
For 300 LB Rating, Add	79.65	
For Standard Weight Cast Iron Fittings, Add	0.49	
For Work In Restricted Working Space, Add	32.39	
23 21 13 23-0126 EA 4", 150 LB, Black Malleable Iron Reducing Coupling.....	170.77	73.11
For 300 LB Rating, Add	153.27	
For Standard Weight Cast Iron Fittings, Add	0.98	
For Work In Restricted Working Space, Add	32.90	
23 21 13 23-0127 EA 5", 150 LB, Black Malleable Iron Reducing Coupling.....	251.79	76.31
For 300 LB Rating, Add	336.58	
For Standard Weight Cast Iron Fittings, Add	2.20	
For Work In Restricted Working Space, Add	34.32	
23 21 13 23-0128 EA 6", 150 LB, Black Malleable Iron Reducing Coupling.....	296.06	79.79
For 300 LB Rating, Add	430.66	
For Standard Weight Cast Iron Fittings, Add	2.82	
For Work In Restricted Working Space, Add	35.88	
23 21 13 23-0129 Black Malleable Iron Caps (23 21 13 23-0014)		
23 21 13 23-0130 EA 1/2", 150 LB, Black Malleable Iron Cap.....	14.11	8.51
For 300 LB Rating, Add	3.87	
For Standard Weight Cast Iron Fittings, Add	0.02	
For Work In Restricted Working Space, Add	3.85	
23 21 13 23-0131 EA 3/4", 150 LB, Black Malleable Iron Cap.....	15.41	9.13
For 300 LB Rating, Add	5.00	
For Standard Weight Cast Iron Fittings, Add	0.03	
For Work In Restricted Working Space, Add	4.10	
23 21 13 23-0132 EA 1", 150 LB, Black Malleable Iron Cap.....	17.89	10.57
For 300 LB Rating, Add	6.01	
For Standard Weight Cast Iron Fittings, Add	0.03	
For Work In Restricted Working Space, Add	4.73	
23 21 13 23-0133 EA 1-1/4", 150 LB, Black Malleable Iron Cap.....	19.87	11.38
For 300 LB Rating, Add	7.70	
For Standard Weight Cast Iron Fittings, Add	0.04	
For Work In Restricted Working Space, Add	5.13	
23 21 13 23-0134 EA 1-1/2", 150 LB, Black Malleable Iron Cap.....	20.91	11.38
For 300 LB Rating, Add	10.19	
For Standard Weight Cast Iron Fittings, Add	0.06	
For Work In Restricted Working Space, Add	5.13	
23 21 13 23-0135 EA 2", 150 LB, Black Malleable Iron Cap.....	27.64	14.67
For 300 LB Rating, Add	14.72	
For Standard Weight Cast Iron Fittings, Add	0.09	
For Work In Restricted Working Space, Add	6.62	
23 21 13 23-0136 EA 2-1/2", 150 LB, Black Malleable Iron Cap.....	40.14	18.26
For 300 LB Rating, Add	32.34	
For Standard Weight Cast Iron Fittings, Add	0.20	
For Work In Restricted Working Space, Add	8.21	
23 21 13 23-0137 EA 3", 150 LB, Black Malleable Iron Cap.....	51.95	22.05
For 300 LB Rating, Add	47.27	
For Standard Weight Cast Iron Fittings, Add	0.30	
For Work In Restricted Working Space, Add	9.92	
23 21 13 23-0138 EA 4", 150 LB, Black Malleable Iron Cap.....	69.94	25.10
For 300 LB Rating, Add	79.90	
For Standard Weight Cast Iron Fittings, Add	0.52	
For Work In Restricted Working Space, Add	11.28	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0139 EA 5", 150 LB, Black Malleable Iron Cap <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	124.09 187.86 1.23 14.10	31.39
23 21 13 23-0140 EA 6", 150 LB, Black Malleable Iron Cap <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	197.33 342.58 2.26 16.80	37.31
23 21 13 23-0141 Black Malleable Iron Unions <small>(23 21 13 23-0014)</small>		
23 21 13 23-0142 EA 3/8", 150 LB, Black Malleable Iron Union..... <i>For Work In Restricted Working Space, Add</i>	28.97 6.84	11.38
23 21 13 23-0143 EA 1/2", 150 LB, Black Malleable Iron Union..... <i>For Work In Restricted Working Space, Add</i>	39.78 10.26	22.77
23 21 13 23-0144 EA 3/4", 150 LB, Black Malleable Iron Union..... <i>For Work In Restricted Working Space, Add</i>	45.88 11.84	26.36
23 21 13 23-0145 EA 1", 150 LB, Black Malleable Iron Union..... <i>For Work In Restricted Working Space, Add</i>	55.00 13.99	31.07
23 21 13 23-0146 EA 1-1/4", 150 LB, Black Malleable Iron Union <i>For Work In Restricted Working Space, Add</i>	67.46 16.63	37.03
23 21 13 23-0147 EA 1-1/2", 150 LB, Black Malleable Iron Union <i>For Work In Restricted Working Space, Add</i>	81.15 19.85	44.10
23 21 13 23-0148 EA 2", 150 LB, Black Malleable Iron Union..... <i>For Work In Restricted Working Space, Add</i>	99.47 24.62	54.77
23 21 13 23-0149 EA 2-1/2", 150 LB, Black Malleable Iron Union <i>For Work In Restricted Working Space, Add</i>	173.01 36.34	80.72
23 21 13 23-0150 EA 3", 150 LB, Black Malleable Iron Union..... <i>For Work In Restricted Working Space, Add</i>	239.10 52.99	117.74
23 21 13 23-0151 EA 3/8", 250 LB, Black Malleable Iron Union..... <i>For Work In Restricted Working Space, Add</i>	30.95 6.84	11.38
23 21 13 23-0152 EA 1/2", 250 LB, Black Malleable Iron Union..... <i>For Work In Restricted Working Space, Add</i>	43.55 10.25	22.77
23 21 13 23-0153 EA 3/4", 250 LB, Black Malleable Iron Union..... <i>For Work In Restricted Working Space, Add</i>	48.66 11.84	26.36
23 21 13 23-0154 EA 1", 250 LB, Black Malleable Iron Union..... <i>For Work In Restricted Working Space, Add</i>	57.92 13.99	31.07
23 21 13 23-0155 EA 1-1/4", 250 LB, Black Malleable Iron Union <i>For Work In Restricted Working Space, Add</i>	74.40 16.63	37.03
23 21 13 23-0156 EA 1-1/2", 250 LB, Black Malleable Iron Union <i>For Work In Restricted Working Space, Add</i>	88.00 19.85	44.10
23 21 13 23-0157 EA 2", 250 LB, Black Malleable Iron Union..... <i>For Work In Restricted Working Space, Add</i>	110.06 24.62	54.77
23 21 13 23-0158 EA 2-1/2", 250 LB, Black Malleable Iron Union <i>For Work In Restricted Working Space, Add</i>	208.93 36.34	80.72
23 21 13 23-0159 EA 3", 250 LB, Black Malleable Iron Union..... <i>For Work In Restricted Working Space, Add</i>	262.13 47.81	106.15
23 21 13 23-0160 EA 4", 250 LB, Black Malleable Iron Union..... <i>For Work In Restricted Working Space, Add</i>	343.99 48.56	107.89
23 21 13 23-0161 EA 3/8", 300 LB, Black Malleable Iron Union..... <i>For Work In Restricted Working Space, Add</i>	36.04 6.84	11.38
23 21 13 23-0162 EA 1/2", 300 LB, Black Malleable Iron Union..... <i>For Work In Restricted Working Space, Add</i>	44.90 10.25	22.77
23 21 13 23-0163 EA 3/4", 300 LB, Black Malleable Iron Union..... <i>For Work In Restricted Working Space, Add</i>	51.32 11.84	26.36
23 21 13 23-0164 EA 1", 300 LB, Black Malleable Iron Union..... <i>For Work In Restricted Working Space, Add</i>	62.12 13.99	31.07
23 21 13 23-0165 EA 1-1/4", 300 LB, Black Malleable Iron Union <i>For Work In Restricted Working Space, Add</i>	80.70 16.63	37.03
23 21 13 23-0166 EA 1-1/2", 300 LB, Black Malleable Iron Union <i>For Work In Restricted Working Space, Add</i>	92.63 19.85	44.10
23 21 13 23-0167 EA 2", 300 LB, Black Malleable Iron Union..... <i>For Work In Restricted Working Space, Add</i>	114.83 24.62	54.77
23 21 13 23-0168 EA 2-1/2", 300 LB, Black Malleable Iron Union <i>For Work In Restricted Working Space, Add</i>	226.82 36.34	80.72
23 21 13 23-0169 EA 3", 300 LB, Black Malleable Iron Union..... <i>For Work In Restricted Working Space, Add</i>	296.10 47.81	106.15
23 21 13 23-0170 EA 4", 300 LB, Black Malleable Iron Union..... <i>For Work In Restricted Working Space, Add</i>	595.80 48.56	107.89
23 21 13 23-0171 Black Steel Nipples <small>(23 21 13 23-0014)</small>		
23 21 13 23-0172 EA 3/8" x Close, Schedule 40 Black Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	15.29 0.32 4.40	9.74
23 21 13 23-0173 EA 1/2" x Close, Schedule 40 Black Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	15.19 0.27 4.40	9.74
23 21 13 23-0174 EA 3/4" x Close, Schedule 40 Black Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	15.27 0.31 4.40	9.74
23 21 13 23-0175 EA 1" x Close, Schedule 40 Black Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	16.68 0.45 4.73	10.57

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 20 HVAC Piping And Pumps****23 21 Hydronic Piping And Pumps**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0176 EA 1-1/4" x Close, Schedule 40 Black Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	18.23 0.57 5.13	11.38
23 21 13 23-0177 EA 1-1/2" x Close, Schedule 40 Black Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	18.51 0.71 5.13	11.38
23 21 13 23-0178 EA 2" x Close, Schedule 40 Black Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	24.00 0.97 6.62	14.67
23 21 13 23-0179 EA 2-1/2" x Close, Schedule 40 Black Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	33.42 3.04 8.21	18.26
23 21 13 23-0180 EA 3" x Close, Schedule 40 Black Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	40.29 3.61 9.92	22.05
23 21 13 23-0181 EA 4" x Close, Schedule 40 Black Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	48.45 5.43 11.28	25.10
23 21 13 23-0182 EA 3/8" x 1-1/2" Long, Schedule 40 Black Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	15.38 0.37 4.40	9.74
23 21 13 23-0183 EA 1/2" x 1-1/2" Long, Schedule 40 Black Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	15.19 0.27 4.40	9.74
23 21 13 23-0184 EA 3/4" x 1-1/2" Long, Schedule 40 Black Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	15.32 0.34 4.40	9.74
23 21 13 23-0185 EA 3/8" x 2" Long, Schedule 40 Black Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	15.38 0.37 4.40	9.74
23 21 13 23-0186 EA 1/2" x 2" Long, Schedule 40 Black Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	15.19 0.27 4.40	9.74
23 21 13 23-0187 EA 3/4" x 2" Long, Schedule 40 Black Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	15.32 0.34 4.40	9.74
23 21 13 23-0188 EA 1" x 2" Long, Schedule 40 Black Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	16.77 0.50 4.73	10.57
23 21 13 23-0189 EA 1-1/4" x 2" Long, Schedule 40 Black Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	18.39 0.65 5.13	11.38
23 21 13 23-0190 EA 1-1/2" x 2" Long, Schedule 40 Black Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	18.63 0.77 5.13	11.38
23 21 13 23-0191 EA 3/8" x 2-1/2" Long, Schedule 40 Black Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	15.59 0.47 4.40	9.74
23 21 13 23-0192 EA 1/2" x 2-1/2" Long, Schedule 40 Black Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	15.29 0.32 4.40	9.74
23 21 13 23-0193 EA 3/4" x 2-1/2" Long, Schedule 40 Black Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	15.40 0.38 4.40	9.74
23 21 13 23-0194 EA 1" x 2-1/2" Long, Schedule 40 Black Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	16.83 0.53 4.73	10.57
23 21 13 23-0195 EA 1-1/4" x 2-1/2" Long, Schedule 40 Black Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	18.47 0.69 5.13	11.38
23 21 13 23-0196 EA 1-1/2" x 2-1/2" Long, Schedule 40 Black Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	18.81 0.86 5.13	11.38
23 21 13 23-0197 EA 2" x 2-1/2" Long, Schedule 40 Black Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	24.28 1.11 6.62	14.67
23 21 13 23-0198 EA 3/8" x 3" Long, Schedule 40 Black Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	15.59 0.47 4.40	9.74
23 21 13 23-0199 EA 1/2" x 3" Long, Schedule 40 Black Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	15.29 0.32 4.40	9.74
23 21 13 23-0200 EA 3/4" x 3" Long, Schedule 40 Black Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	15.40 0.38 4.40	9.74
23 21 13 23-0201 EA 1" x 3" Long, Schedule 40 Black Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	16.83 0.53 4.73	10.57
23 21 13 23-0202 EA 1-1/4" x 3" Long, Schedule 40 Black Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	18.47 0.69 5.13	11.38
23 21 13 23-0203 EA 1-1/2" x 3" Long, Schedule 40 Black Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	18.81 0.86 5.13	11.38



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0204 EA 2" x 3" Long, Schedule 40 Black Steel Nipple.....	24.28	14.67
For Schedule 80 Nipples, Add	1.11	
For Work In Restricted Working Space, Add	6.62	
23 21 13 23-0205 EA 2-1/2" x 3" Long, Schedule 40 Black Steel Nipple	33.58	18.26
For Schedule 80 Nipples, Add	3.12	
For Work In Restricted Working Space, Add	8.21	
23 21 13 23-0206 EA 3" x 3" Long, Schedule 40 Black Steel Nipple.....	40.92	22.05
For Schedule 80 Nipples, Add	3.92	
For Work In Restricted Working Space, Add	9.92	
23 21 13 23-0207 EA 3/8" x 3-1/2" Long, Schedule 40 Black Steel Nipple	15.75	9.74
For Schedule 80 Nipples, Add	0.55	
For Work In Restricted Working Space, Add	4.40	
23 21 13 23-0208 EA 1/2" x 3-1/2" Long, Schedule 40 Black Steel Nipple	15.42	9.74
For Schedule 80 Nipples, Add	0.39	
For Work In Restricted Working Space, Add	4.40	
23 21 13 23-0209 EA 3/4" x 3-1/2" Long, Schedule 40 Black Steel Nipple	15.59	9.74
For Schedule 80 Nipples, Add	0.47	
For Work In Restricted Working Space, Add	4.40	
23 21 13 23-0210 EA 1" x 3-1/2" Long, Schedule 40 Black Steel Nipple	17.08	10.57
For Schedule 80 Nipples, Add	0.65	
For Work In Restricted Working Space, Add	4.73	
23 21 13 23-0211 EA 1-1/4" x 3-1/2" Long, Schedule 40 Black Steel Nipple	18.72	11.38
For Schedule 80 Nipples, Add	0.82	
For Work In Restricted Working Space, Add	5.13	
23 21 13 23-0212 EA 1-1/2" x 3-1/2" Long, Schedule 40 Black Steel Nipple	19.01	11.38
For Schedule 80 Nipples, Add	0.96	
For Work In Restricted Working Space, Add	5.13	
23 21 13 23-0213 EA 2" x 3-1/2" Long, Schedule 40 Black Steel Nipple	24.75	14.67
For Schedule 80 Nipples, Add	1.35	
For Work In Restricted Working Space, Add	6.62	
23 21 13 23-0214 EA 2-1/2" x 3-1/2" Long, Schedule 40 Black Steel Nipple	34.67	18.26
For Schedule 80 Nipples, Add	3.66	
For Work In Restricted Working Space, Add	8.21	
23 21 13 23-0215 EA 3" x 3-1/2" Long, Schedule 40 Black Steel Nipple	42.36	22.05
For Schedule 80 Nipples, Add	4.64	
For Work In Restricted Working Space, Add	9.92	
23 21 13 23-0216 EA 3/8" x 4" Long, Schedule 40 Black Steel Nipple.....	15.75	9.74
For Schedule 80 Nipples, Add	0.55	
For Work In Restricted Working Space, Add	4.40	
23 21 13 23-0217 EA 1/2" x 4" Long, Schedule 40 Black Steel Nipple.....	15.42	9.74
For Schedule 80 Nipples, Add	0.39	
For Work In Restricted Working Space, Add	4.40	
23 21 13 23-0218 EA 3/4" x 4" Long, Schedule 40 Black Steel Nipple.....	15.59	9.74
For Schedule 80 Nipples, Add	0.47	
For Work In Restricted Working Space, Add	4.40	
23 21 13 23-0219 EA 1" x 4" Long, Schedule 40 Black Steel Nipple.....	17.08	10.57
For Schedule 80 Nipples, Add	0.65	
For Work In Restricted Working Space, Add	4.73	
23 21 13 23-0220 EA 1-1/4" x 4" Long, Schedule 40 Black Steel Nipple	18.72	11.38
For Schedule 80 Nipples, Add	0.82	
For Work In Restricted Working Space, Add	5.13	
23 21 13 23-0221 EA 1-1/2" x 4" Long, Schedule 40 Black Steel Nipple	19.01	11.38
For Schedule 80 Nipples, Add	0.96	
For Work In Restricted Working Space, Add	5.13	
23 21 13 23-0222 EA 2" x 4" Long, Schedule 40 Black Steel Nipple.....	24.75	14.67
For Schedule 80 Nipples, Add	1.35	
For Work In Restricted Working Space, Add	6.62	
23 21 13 23-0223 EA 2-1/2" x 4" Long, Schedule 40 Black Steel Nipple	34.67	18.26
For Schedule 80 Nipples, Add	3.66	
For Work In Restricted Working Space, Add	8.21	
23 21 13 23-0224 EA 3" x 4" Long, Schedule 40 Black Steel Nipple.....	42.36	22.05
For Schedule 80 Nipples, Add	4.64	
For Work In Restricted Working Space, Add	9.92	
23 21 13 23-0225 EA 4" x 4" Long, Schedule 40 Black Steel Nipple.....	50.15	25.10
For Schedule 80 Nipples, Add	6.28	
For Work In Restricted Working Space, Add	11.28	
23 21 13 23-0226 EA 3/8" x 4-1/2" Long, Schedule 40 Black Steel Nipple	16.24	9.74
For Schedule 80 Nipples, Add	0.80	
For Work In Restricted Working Space, Add	4.40	
23 21 13 23-0227 EA 1/2" x 4-1/2" Long, Schedule 40 Black Steel Nipple	15.55	9.74
For Schedule 80 Nipples, Add	0.45	
For Work In Restricted Working Space, Add	4.40	
23 21 13 23-0228 EA 3/4" x 4-1/2" Long, Schedule 40 Black Steel Nipple	15.83	9.74
For Schedule 80 Nipples, Add	0.59	
For Work In Restricted Working Space, Add	4.40	
23 21 13 23-0229 EA 1" x 4-1/2" Long, Schedule 40 Black Steel Nipple	17.32	10.57
For Schedule 80 Nipples, Add	0.77	
For Work In Restricted Working Space, Add	4.73	
23 21 13 23-0230 EA 1-1/4" x 4-1/2" Long, Schedule 40 Black Steel Nipple	19.04	11.38
For Schedule 80 Nipples, Add	0.98	
For Work In Restricted Working Space, Add	5.13	
23 21 13 23-0231 EA 1-1/2" x 4-1/2" Long, Schedule 40 Black Steel Nipple	19.44	11.38
For Schedule 80 Nipples, Add	1.18	
For Work In Restricted Working Space, Add	5.13	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 20 HVAC Piping And Pumps****23 21 Hydronic Piping And Pumps**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21	13 23-0232	EA	2" x 4-1/2" Long, Schedule 40 Black Steel Nipple.....	25.16	14.67
			<i>For Schedule 80 Nipples, Add</i>	1.55	
			<i>For Work In Restricted Working Space, Add</i>	6.62	
23 21	13 23-0233	EA	2-1/2" x 4-1/2" Long, Schedule 40 Black Steel Nipple	35.39	18.26
			<i>For Schedule 80 Nipples, Add</i>	4.02	
			<i>For Work In Restricted Working Space, Add</i>	8.21	
23 21	13 23-0234	EA	3" x 4-1/2" Long, Schedule 40 Black Steel Nipple.....	43.31	22.05
			<i>For Schedule 80 Nipples, Add</i>	5.12	
			<i>For Work In Restricted Working Space, Add</i>	9.92	
23 21	13 23-0235	EA	4" x 4-1/2" Long, Schedule 40 Black Steel Nipple.....	51.94	25.10
			<i>For Schedule 80 Nipples, Add</i>	7.18	
			<i>For Work In Restricted Working Space, Add</i>	11.28	
23 21	13 23-0236	EA	3/8" x 5" Long, Schedule 40 Black Steel Nipple.....	16.24	9.74
			<i>For Schedule 80 Nipples, Add</i>	0.80	
			<i>For Work In Restricted Working Space, Add</i>	4.40	
23 21	13 23-0237	EA	1/2" x 5" Long, Schedule 40 Black Steel Nipple.....	15.55	9.74
			<i>For Schedule 80 Nipples, Add</i>	0.45	
			<i>For Work In Restricted Working Space, Add</i>	4.40	
23 21	13 23-0238	EA	3/4" x 5" Long, Schedule 40 Black Steel Nipple.....	15.83	9.74
			<i>For Schedule 80 Nipples, Add</i>	0.59	
			<i>For Work In Restricted Working Space, Add</i>	4.40	
23 21	13 23-0239	EA	1" x 5" Long, Schedule 40 Black Steel Nipple.....	17.32	10.57
			<i>For Schedule 80 Nipples, Add</i>	0.77	
			<i>For Work In Restricted Working Space, Add</i>	4.73	
23 21	13 23-0240	EA	1-1/4" x 5" Long, Schedule 40 Black Steel Nipple.....	19.04	11.38
			<i>For Schedule 80 Nipples, Add</i>	0.98	
			<i>For Work In Restricted Working Space, Add</i>	5.13	
23 21	13 23-0241	EA	1-1/2" x 5" Long, Schedule 40 Black Steel Nipple.....	19.44	11.38
			<i>For Schedule 80 Nipples, Add</i>	1.18	
			<i>For Work In Restricted Working Space, Add</i>	5.13	
23 21	13 23-0242	EA	2" x 5" Long, Schedule 40 Black Steel Nipple.....	25.16	14.67
			<i>For Schedule 80 Nipples, Add</i>	1.55	
			<i>For Work In Restricted Working Space, Add</i>	6.62	
23 21	13 23-0243	EA	2-1/2" x 5" Long, Schedule 40 Black Steel Nipple.....	35.39	18.26
			<i>For Schedule 80 Nipples, Add</i>	4.02	
			<i>For Work In Restricted Working Space, Add</i>	8.21	
23 21	13 23-0244	EA	3" x 5" Long, Schedule 40 Black Steel Nipple.....	43.31	22.05
			<i>For Schedule 80 Nipples, Add</i>	5.12	
			<i>For Work In Restricted Working Space, Add</i>	9.92	
23 21	13 23-0245	EA	4" x 5" Long, Schedule 40 Black Steel Nipple.....	51.94	25.10
			<i>For Schedule 80 Nipples, Add</i>	7.18	
			<i>For Work In Restricted Working Space, Add</i>	11.28	
23 21	13 23-0246	EA	3/8" x 6" Long, Schedule 40 Black Steel Nipple.....	16.42	9.74
			<i>For Schedule 80 Nipples, Add</i>	0.89	
			<i>For Work In Restricted Working Space, Add</i>	4.40	
23 21	13 23-0247	EA	1/2" x 6" Long, Schedule 40 Black Steel Nipple.....	15.66	9.74
			<i>For Schedule 80 Nipples, Add</i>	0.51	
			<i>For Work In Restricted Working Space, Add</i>	4.40	
23 21	13 23-0248	EA	3/4" x 6" Long, Schedule 40 Black Steel Nipple.....	15.99	9.74
			<i>For Schedule 80 Nipples, Add</i>	0.67	
			<i>For Work In Restricted Working Space, Add</i>	4.40	
23 21	13 23-0249	EA	1" x 6" Long, Schedule 40 Black Steel Nipple.....	17.60	10.57
			<i>For Schedule 80 Nipples, Add</i>	0.91	
			<i>For Work In Restricted Working Space, Add</i>	4.73	
23 21	13 23-0250	EA	1-1/4" x 6" Long, Schedule 40 Black Steel Nipple.....	19.40	11.38
			<i>For Schedule 80 Nipples, Add</i>	1.16	
			<i>For Work In Restricted Working Space, Add</i>	5.13	
23 21	13 23-0251	EA	1-1/2" x 6" Long, Schedule 40 Black Steel Nipple.....	19.79	11.38
			<i>For Schedule 80 Nipples, Add</i>	1.35	
			<i>For Work In Restricted Working Space, Add</i>	5.13	
23 21	13 23-0252	EA	2" x 6" Long, Schedule 40 Black Steel Nipple.....	25.69	14.67
			<i>For Schedule 80 Nipples, Add</i>	1.82	
			<i>For Work In Restricted Working Space, Add</i>	6.62	
23 21	13 23-0253	EA	2-1/2" x 6" Long, Schedule 40 Black Steel Nipple.....	35.73	18.26
			<i>For Schedule 80 Nipples, Add</i>	4.19	
			<i>For Work In Restricted Working Space, Add</i>	8.21	
23 21	13 23-0254	EA	3" x 6" Long, Schedule 40 Black Steel Nipple.....	44.20	22.05
			<i>For Schedule 80 Nipples, Add</i>	5.56	
			<i>For Work In Restricted Working Space, Add</i>	9.92	
23 21	13 23-0255	EA	4" x 6" Long, Schedule 40 Black Steel Nipple.....	52.93	25.10
			<i>For Schedule 80 Nipples, Add</i>	7.67	
			<i>For Work In Restricted Working Space, Add</i>	11.28	
23 21	13 23-0256	EA	3/8" x 8" Long, Schedule 40 Black Steel Nipple.....	17.76	9.74
			<i>For Schedule 80 Nipples, Add</i>	1.56	
			<i>For Work In Restricted Working Space, Add</i>	4.40	
23 21	13 23-0257	EA	1/2" x 8" Long, Schedule 40 Black Steel Nipple.....	16.47	9.74
			<i>For Schedule 80 Nipples, Add</i>	0.91	
			<i>For Work In Restricted Working Space, Add</i>	4.40	
23 21	13 23-0258	EA	3/4" x 8" Long, Schedule 40 Black Steel Nipple.....	16.87	9.74
			<i>For Schedule 80 Nipples, Add</i>	1.11	
			<i>For Work In Restricted Working Space, Add</i>	4.40	
23 21	13 23-0259	EA	1" x 8" Long, Schedule 40 Black Steel Nipple.....	18.75	10.57
			<i>For Schedule 80 Nipples, Add</i>	1.49	
			<i>For Work In Restricted Working Space, Add</i>	4.73	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0260 EA 1-1/4" x 8" Long, Schedule 40 Black Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	20.82 1.87 5.13	11.38
23 21 13 23-0261 EA 1-1/2" x 8" Long, Schedule 40 Black Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	21.37 2.14 5.13	11.38
23 21 13 23-0262 EA 2" x 8" Long, Schedule 40 Black Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	28.15 3.05 6.62	14.67
23 21 13 23-0263 EA 2-1/2" x 8" Long, Schedule 40 Black Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	38.02 5.34 8.21	18.26
23 21 13 23-0264 EA 3" x 8" Long, Schedule 40 Black Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	48.08 7.50 9.92	22.05
23 21 13 23-0265 EA 4" x 8" Long, Schedule 40 Black Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	55.29 8.85 11.28	25.10
23 21 13 23-0266 EA 3/8" x 10" Long, Schedule 40 Black Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	18.14 1.75 4.40	9.74
23 21 13 23-0267 EA 1/2" x 10" Long, Schedule 40 Black Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	16.83 1.09 4.40	9.74
23 21 13 23-0268 EA 3/4" x 10" Long, Schedule 40 Black Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	17.24 1.30 4.40	9.74
23 21 13 23-0269 EA 1" x 10" Long, Schedule 40 Black Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	19.25 1.74 4.73	10.57
23 21 13 23-0270 EA 1-1/4" x 10" Long, Schedule 40 Black Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	21.57 2.24 5.13	11.38
23 21 13 23-0271 EA 1-1/2" x 10" Long, Schedule 40 Black Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	22.10 2.51 5.13	11.38
23 21 13 23-0272 EA 2" x 10" Long, Schedule 40 Black Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	29.22 3.58 6.62	14.67
23 21 13 23-0273 EA 2-1/2" x 10" Long, Schedule 40 Black Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	39.33 5.99 8.21	18.26
23 21 13 23-0274 EA 3" x 10" Long, Schedule 40 Black Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	49.93 8.43 9.92	22.05
23 21 13 23-0275 EA 4" x 10" Long, Schedule 40 Black Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	57.75 10.08 11.28	25.10
23 21 13 23-0276 EA 3/8" x 12" Long, Schedule 40 Black Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	18.62 1.99 4.40	9.74
23 21 13 23-0277 EA 1/2" x 12" Long, Schedule 40 Black Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	17.24 1.30 4.40	9.74
23 21 13 23-0278 EA 3/4" x 12" Long, Schedule 40 Black Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	17.52 1.44 4.40	9.74
23 21 13 23-0279 EA 1" x 12" Long, Schedule 40 Black Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	19.77 2.00 4.73	10.57
23 21 13 23-0280 EA 1-1/4" x 12" Long, Schedule 40 Black Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	22.17 2.54 5.13	11.38
23 21 13 23-0281 EA 1-1/2" x 12" Long, Schedule 40 Black Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	22.86 2.89 5.13	11.38
23 21 13 23-0282 EA 2" x 12" Long, Schedule 40 Black Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	30.30 4.12 6.62	14.67
23 21 13 23-0283 EA 2-1/2" x 12" Long, Schedule 40 Black Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	40.68 6.67 8.21	18.26
23 21 13 23-0284 EA 3" x 12" Long, Schedule 40 Black Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	51.79 9.36 9.92	22.05
23 21 13 23-0285 EA 4" x 12" Long, Schedule 40 Black Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	61.23 11.82 11.28	25.10
23 21 13 23-0286 Black Malleable Iron Bushing <small>(2321 13 23-0014)</small>		
23 21 13 23-0287 EA 1/2" x 3/8", 150 LB, Black Malleable Iron Bushing <i>For Work In Restricted Working Space, Add</i>	27.02 7.52	16.72
23 21 13 23-0288 EA 3/4" x 3/8", 150 LB, Black Malleable Iron Bushing <i>For Work In Restricted Working Space, Add</i>	29.75 8.08	17.94

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 20 HVAC Piping And Pumps****23 21 Hydronic Piping And Pumps**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21	13 23-0289	EA	3/4" x 1/2", 150 LB, Black Malleable Iron Bushing <i>For Work In Restricted Working Space, Add</i>	31.80 8.69	19.28
23 21	13 23-0290	EA	1" x 3/8", 150 LB, Black Malleable Iron Bushing <i>For Work In Restricted Working Space, Add</i>	32.61 8.62	19.18
23 21	13 23-0291	EA	1" x 1/2", 150 LB, Black Malleable Iron Bushing <i>For Work In Restricted Working Space, Add</i>	33.68 9.23	20.51
23 21	13 23-0292	EA	1" x 3/4", 150 LB, Black Malleable Iron Bushing <i>For Work In Restricted Working Space, Add</i>	35.31 9.72	21.64
23 21	13 23-0293	EA	1-1/4" x 3/8", 150 LB, Black Malleable Iron Bushing <i>For Work In Restricted Working Space, Add</i>	35.33 9.29	20.62
23 21	13 23-0294	EA	1-1/4" x 1/2", 150 LB, Black Malleable Iron Bushing <i>For Work In Restricted Working Space, Add</i>	37.19 9.91	22.05
23 21	13 23-0295	EA	1-1/4" x 3/4", 150 LB, Black Malleable Iron Bushing <i>For Work In Restricted Working Space, Add</i>	38.40 10.40	23.08
23 21	13 23-0296	EA	1-1/4" x 1", 150 LB, Black Malleable Iron Bushing <i>For Work In Restricted Working Space, Add</i>	40.19 10.93	24.31
23 21	13 23-0297	EA	1-1/2" x 3/8", 150 LB, Black Malleable Iron Bushing <i>For Work In Restricted Working Space, Add</i>	39.21 10.04	22.36
23 21	13 23-0298	EA	1-1/2" x 1/2", 150 LB, Black Malleable Iron Bushing <i>For Work In Restricted Working Space, Add</i>	40.24 10.65	23.69
23 21	13 23-0299	EA	1-1/2" x 3/4", 150 LB, Black Malleable Iron Bushing <i>For Work In Restricted Working Space, Add</i>	41.87 11.14	24.72
23 21	13 23-0300	EA	1-1/2" x 1", 150 LB, Black Malleable Iron Bushing <i>For Work In Restricted Working Space, Add</i>	43.08 11.67	25.95
23 21	13 23-0301	EA	1-1/2" x 1-1/4", 150 LB, Black Malleable Iron Bushing <i>For Work In Restricted Working Space, Add</i>	45.93 12.35	27.48
23 21	13 23-0302	EA	2" x 3/8", 150 LB, Black Malleable Iron Bushing <i>For Work In Restricted Working Space, Add</i>	47.48 11.81	26.26
23 21	13 23-0303	EA	2" x 1/2", 150 LB, Black Malleable Iron Bushing <i>For Work In Restricted Working Space, Add</i>	48.57 12.42	27.59
23 21	13 23-0304	EA	2" x 3/4", 150 LB, Black Malleable Iron Bushing <i>For Work In Restricted Working Space, Add</i>	49.09 12.91	28.72
23 21	13 23-0305	EA	2" x 1", 150 LB, Black Malleable Iron Bushing <i>For Work In Restricted Working Space, Add</i>	50.49 13.44	29.85
23 21	13 23-0306	EA	2" x 1-1/4", 150 LB, Black Malleable Iron Bushing <i>For Work In Restricted Working Space, Add</i>	52.75 14.12	31.39
23 21	13 23-0307	EA	2" x 1-1/2", 150 LB, Black Malleable Iron Bushing <i>For Work In Restricted Working Space, Add</i>	55.86 14.86	33.02
23 21	13 23-0308	EA	2-1/2" x 3/4", 150 LB, Black Malleable Iron Bushing <i>For Work In Restricted Working Space, Add</i>	66.66 16.90	37.54
23 21	13 23-0309	EA	2-1/2" x 1", 150 LB, Black Malleable Iron Bushing <i>For Work In Restricted Working Space, Add</i>	68.45 17.44	38.76
23 21	13 23-0310	EA	2-1/2" x 1-1/4", 150 LB, Black Malleable Iron Bushing <i>For Work In Restricted Working Space, Add</i>	70.70 18.11	40.20
23 21	13 23-0311	EA	2-1/2" x 1-1/2", 150 LB, Black Malleable Iron Bushing <i>For Work In Restricted Working Space, Add</i>	72.46 18.86	41.95
23 21	13 23-0312	EA	2-1/2" x 2", 150 LB, Black Malleable Iron Bushing <i>For Work In Restricted Working Space, Add</i>	78.29 20.63	45.84
23 21	13 23-0313	EA	3" x 3/4", 150 LB, Black Malleable Iron Bushing <i>For Work In Restricted Working Space, Add</i>	83.57 20.79	46.15
23 21	13 23-0314	EA	3" x 1", 150 LB, Black Malleable Iron Bushing <i>For Work In Restricted Working Space, Add</i>	85.34 21.32	47.38
23 21	13 23-0315	EA	3" x 1-1/4", 150 LB, Black Malleable Iron Bushing <i>For Work In Restricted Working Space, Add</i>	87.61 22.00	48.92
23 21	13 23-0316	EA	3" x 1-1/2", 150 LB, Black Malleable Iron Bushing <i>For Work In Restricted Working Space, Add</i>	89.80 22.74	50.57
23 21	13 23-0317	EA	3" x 2", 150 LB, Black Malleable Iron Bushing <i>For Work In Restricted Working Space, Add</i>	94.78 24.51	54.46
23 21	13 23-0318	EA	3" x 2-1/2", 150 LB, Black Malleable Iron Bushing <i>For Work In Restricted Working Space, Add</i>	108.28 28.50	63.38
23 21	13 23-0319	EA	4" x 3/4", 150 LB, Black Malleable Iron Bushing <i>For Work In Restricted Working Space, Add</i>	96.23 20.66	45.86
23 21	13 23-0320	EA	4" x 1", 150 LB, Black Malleable Iron Bushing <i>For Work In Restricted Working Space, Add</i>	97.87 21.15	46.99
23 21	13 23-0321	EA	4" x 1-1/4", 150 LB, Black Malleable Iron Bushing <i>For Work In Restricted Working Space, Add</i>	99.93 21.77	48.40
23 21	13 23-0322	EA	4" x 1-1/2", 150 LB, Black Malleable Iron Bushing <i>For Work In Restricted Working Space, Add</i>	102.20 22.45	49.91
23 21	13 23-0323	EA	4" x 2", 150 LB, Black Malleable Iron Bushing <i>For Work In Restricted Working Space, Add</i>	106.14 24.07	53.47
23 21	13 23-0324	EA	4" x 2-1/2", 150 LB, Black Malleable Iron Bushing <i>For Work In Restricted Working Space, Add</i>	118.32 27.72	61.65
23 21	13 23-0325	EA	4" x 3", 150 LB, Black Malleable Iron Bushing <i>For Work In Restricted Working Space, Add</i>	130.21 31.29	69.55
23 21	13 23-0326		Black Malleable Iron Square Head Plugs (23 21 13 23-0014)		
23 21	13 23-0327	EA	3/8", 150 LB, Black Malleable Iron Square Head Plug <i>For Work In Restricted Working Space, Add</i>	10.61 2.74	6.05
23 21	13 23-0328	EA	1/2", 150 LB, Black Malleable Iron Square Head Plug <i>For Work In Restricted Working Space, Add</i>	12.54 3.29	7.28
23 21	13 23-0329	EA	3/4", 150 LB, Black Malleable Iron Square Head Plug <i>For Work In Restricted Working Space, Add</i>	13.83 3.67	8.20



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0330 EA 1", 150 LB, Black Malleable Iron Square Head Plug..... <i>For Work In Restricted Working Space, Add</i>	15.67 4.10	9.13
23 21 13 23-0331 EA 1-1/4", 150 LB, Black Malleable Iron Square Head Plug..... <i>For Work In Restricted Working Space, Add</i>	18.01 4.64	10.35
23 21 13 23-0332 EA 1-1/2", 150 LB, Black Malleable Iron Square Head Plug..... <i>For Work In Restricted Working Space, Add</i>	20.97 5.24	11.59
23 21 13 23-0333 EA 2", 150 LB, Black Malleable Iron Square Head Plug..... <i>For Work In Restricted Working Space, Add</i>	27.19 6.65	14.77
23 21 13 23-0334 EA 2-1/2", 150 LB, Black Malleable Iron Square Head Plug..... <i>For Work In Restricted Working Space, Add</i>	41.93 9.85	21.85
23 21 13 23-0335 EA 3", 150 LB, Black Malleable Iron Square Head Plug..... <i>For Work In Restricted Working Space, Add</i>	55.70 12.96	28.82
23 21 13 23-0336 EA 4", 150 LB, Black Malleable Iron Square Head Plug..... <i>For Work In Restricted Working Space, Add</i>	70.11 13.16	29.23
23 21 13 23-0337 EA 5", 150 LB, Black Malleable Iron Square Head Plug..... <i>For Work In Restricted Working Space, Add</i>	102.14 13.73	30.54
23 21 13 23-0338 EA 6", 150 LB, Black Malleable Iron Square Head Plug..... <i>For Work In Restricted Working Space, Add</i>	117.67 14.36	31.86
23 21 13 23-0339 125 LB Black Cast Iron Screwed Flanges (23 21 13 23-0014)		
23 21 13 23-0340 EA 3/4", 125 LB, Black Cast Iron Flange..... <i>For Work In Restricted Working Space, Add</i>	90.10 18.46	41.03
23 21 13 23-0341 EA 1", 125 LB, Black Cast Iron Flange..... <i>For Work In Restricted Working Space, Add</i>	87.71 20.86	46.35
23 21 13 23-0342 EA 1-1/4", 125 LB, Black Cast Iron Flange..... <i>For Work In Restricted Working Space, Add</i>	93.70 21.59	48.00
23 21 13 23-0343 EA 1-1/2", 125 LB, Black Cast Iron Flange..... <i>For Work In Restricted Working Space, Add</i>	98.38 23.49	52.21
23 21 13 23-0344 EA 2", 125 LB, Black Cast Iron Flange..... <i>For Work In Restricted Working Space, Add</i>	101.77 24.52	54.46
23 21 13 23-0345 EA 2-1/2", 125 LB, Black Cast Iron Flange..... <i>For Work In Restricted Working Space, Add</i>	117.97 28.35	63.07
23 21 13 23-0346 EA 3", 125 LB, Black Cast Iron Flange..... <i>For Work In Restricted Working Space, Add</i>	150.17 35.99	80.00
23 21 13 23-0347 EA 4", 125 LB, Black Cast Iron Flange..... <i>For Work In Restricted Working Space, Add</i>	191.09 45.11	100.28
23 21 13 23-0348 EA 5", 125 LB, Black Cast Iron Flange..... <i>For Work In Restricted Working Space, Add</i>	236.54 53.70	119.45
23 21 13 23-0349 EA 6", 125 LB, Black Cast Iron Flange..... <i>For Work In Restricted Working Space, Add</i>	270.67 61.67	137.12
23 21 13 23-0350 150 LB, Black Malleable Iron Flanges (23 21 13 23-0014)		
23 21 13 23-0351 EA 1/2", 150 LB, Black Malleable Iron Flange..... <i>For Work In Restricted Working Space, Add</i>	62.52 16.86	37.44
23 21 13 23-0352 EA 3/4", 150 LB, Black Malleable Iron Flange..... <i>For Work In Restricted Working Space, Add</i>	68.34 18.46	41.03
23 21 13 23-0353 EA 1", 150 LB, Black Malleable Iron Flange..... <i>For Work In Restricted Working Space, Add</i>	78.38 20.86	46.35
23 21 13 23-0354 EA 1-1/4", 150 LB, Black Malleable Iron Flange..... <i>For Work In Restricted Working Space, Add</i>	81.42 21.59	48.00
23 21 13 23-0355 EA 1-1/2", 150 LB, Black Malleable Iron Flange..... <i>For Work In Restricted Working Space, Add</i>	88.61 23.49	52.21
23 21 13 23-0356 EA 2", 150 LB, Black Malleable Iron Flange..... <i>For Work In Restricted Working Space, Add</i>	95.17 24.51	54.46
23 21 13 23-0357 EA 2-1/2", 150 LB, Black Malleable Iron Flange..... <i>For Work In Restricted Working Space, Add</i>	115.62 28.35	63.07
23 21 13 23-0358 EA 3", 150 LB, Black Malleable Iron Flange..... <i>For Work In Restricted Working Space, Add</i>	146.61 35.98	80.00
23 21 13 23-0359 EA 4", 150 LB, Black Malleable Iron Flange..... <i>For Work In Restricted Working Space, Add</i>	195.66 45.10	100.28
23 21 13 23-0360 Cut And Thread Existing In-Place Black Steel Pipe (23 21 13 23-0014)		
Note: For use when connecting pipe to an existing in-place system.		
23 21 13 23-0361 EA 1/2", Cut And Thread Existing In Place Black Steel Pipe..... <i>For Work In Restricted Working Space, Add</i>	33.43 10.03	
23 21 13 23-0362 EA 3/4", Cut And Thread Existing In Place Black Steel Pipe..... <i>For Work In Restricted Working Space, Add</i>	36.77 11.03	
23 21 13 23-0363 EA 1", Cut And Thread Existing In Place Black Steel Pipe..... <i>For Work In Restricted Working Space, Add</i>	40.12 12.04	
23 21 13 23-0364 EA 1-1/4", Cut And Thread Existing In Place Black Steel Pipe..... <i>For Work In Restricted Working Space, Add</i>	43.46 13.04	
23 21 13 23-0365 EA 1-1/2", Cut And Thread Existing In Place Black Steel Pipe..... <i>For Work In Restricted Working Space, Add</i>	45.68 13.70	
23 21 13 23-0366 EA 2", Cut And Thread Existing In Place Black Steel Pipe..... <i>For Work In Restricted Working Space, Add</i>	47.92 14.38	
23 21 13 23-0367 EA 2-1/2", Cut And Thread Existing In Place Black Steel Pipe..... <i>For Work In Restricted Working Space, Add</i>	50.15 15.05	
23 21 13 23-0368 EA 3", Cut And Thread Existing In Place Black Steel Pipe..... <i>For Work In Restricted Working Space, Add</i>	52.38 15.71	
23 21 13 23-0369 EA 4", Cut And Thread Existing In Place Black Steel Pipe..... <i>For Work In Restricted Working Space, Add</i>	54.60 16.38	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 20 HVAC Piping And Pumps****23 21 Hydronic Piping And Pumps**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21	13 23-0370	EA	6", Cut And Thread Existing In Place Black Steel Pipe.....	59.06	
			<i>For Work In Restricted Working Space, Add</i>	17.72	
23 21	13 23-0371	EA	8", Cut And Thread Existing In Place Black Steel Pipe.....	63.51	
			<i>For Work In Restricted Working Space, Add</i>	19.05	
23 21	13 23-0372	EA	10", Cut And Thread Existing In Place Black Steel Pipe.....	69.09	
			<i>For Work In Restricted Working Space, Add</i>	20.73	
23 21	13 23-0373	EA	12", Cut And Thread Existing In Place Black Steel Pipe.....	73.54	
			<i>For Work In Restricted Working Space, Add</i>	22.06	
23 21	13 23-0374		Welded Black Steel Pipe <small>(23 21 13 23)</small>		
23 21	13 23-0375		Welded Plain End Black Steel Pipe Assemblies <small>(23 21 13 23-0374)</small>		
			Note: ASTM A-53. Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.		
23 21	13 23-0376	LF	3/4" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly.....	22.31	7.77
			Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.		
			<i>For Work In Restricted Working Space, Add</i>	5.69	
23 21	13 23-0377	LF	1" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly.....	24.82	8.29
			Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.		
			<i>For Work In Restricted Working Space, Add</i>	6.36	
23 21	13 23-0378	LF	1-1/4" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly.....	29.31	8.81
			Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.		
			<i>For Work In Restricted Working Space, Add</i>	7.30	
23 21	13 23-0379	LF	1-1/2" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly.....	31.03	8.81
			Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.		
			<i>For Work In Restricted Working Space, Add</i>	7.64	
23 21	13 23-0380	LF	2" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly.....	35.58	8.81
			Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.		
			<i>For Work In Restricted Working Space, Add</i>	8.84	
23 21	13 23-0381	LF	2-1/2" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly.....	41.23	8.81
			Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.		
			<i>For Work In Restricted Working Space, Add</i>	10.25	
23 21	13 23-0382	LF	3" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly.....	46.24	8.61
			Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.		
			<i>For Work In Restricted Working Space, Add</i>	10.82	
23 21	13 23-0383	LF	4" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly.....	57.24	10.19
			Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.		
			<i>For Work In Restricted Working Space, Add</i>	12.65	
23 21	13 23-0384	LF	6" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly.....	73.76	15.20
			Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.		
			<i>For Work In Restricted Working Space, Add</i>	14.56	
23 21	13 23-0385	LF	8" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly.....	111.30	18.87
			Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.		
			<i>For Work In Restricted Working Space, Add</i>	21.60	
23 21	13 23-0386	LF	10" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly.....	144.45	23.59
			Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.		
			<i>For Work In Restricted Working Space, Add</i>	25.77	
23 21	13 23-0387	LF	12" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly.....	177.74	28.50
			Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.		
			<i>For Work In Restricted Working Space, Add</i>	29.77	
23 21	13 23-0388	LF	14" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly.....	198.76	37.18
			Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.		
			<i>For Work In Restricted Working Space, Add</i>	33.21	
23 21	13 23-0389	LF	16" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly.....	229.82	47.18
			Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.		
			<i>For Work In Restricted Working Space, Add</i>	37.12	
23 21	13 23-0390	LF	18" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly.....	282.14	58.41
			Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.		
			<i>For Work In Restricted Working Space, Add</i>	40.73	
23 21	13 23-0391	LF	20" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly.....	355.64	72.19
			Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.		
			<i>For Work In Restricted Working Space, Add</i>	46.62	
23 21	13 23-0392	LF	24" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly.....	431.53	81.80
			Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.		
			<i>For Work In Restricted Working Space, Add</i>	51.25	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0393 Welded Black Steel Pipe And Fittings <small>(23 21 13 23-0374)</small> Note: ASTM A-53. Excludes hangers or fittings.		
23 21 13 23-0394 Welded Plain End Black Steel Piping <small>(23 21 13 23-0393)</small> Note: ASTM A-53		
23 21 13 23-0395 LF 3/4" Schedule 40, Welded Plain End Black Steel Pipe 9.45	9.45	4.15
For Schedule 80 Pipe, Add	1.48	
For Schedule A-106 Pipe, Add	0.14	
For Work In Restricted Working Space, Add	2.49	
23 21 13 23-0396 LF 1" Schedule 40, Welded Plain End Black Steel Pipe 11.90	11.90	5.18
For Schedule 80 Pipe, Add	1.86	
For Schedule A-106 Pipe, Add	0.18	
For Work In Restricted Working Space, Add	3.11	
23 21 13 23-0397 LF 1-1/4" Schedule 40, Welded Plain End Black Steel Pipe 14.70	14.70	6.22
For Schedule 80 Pipe, Add	2.32	
For Schedule A-106 Pipe, Add	0.27	
For Work In Restricted Working Space, Add	3.73	
23 21 13 23-0398 LF 1-1/2" Schedule 40, Welded Plain End Black Steel Pipe 17.52	17.52	7.25
For Schedule 80 Pipe, Add	2.78	
For Schedule A-106 Pipe, Add	0.36	
For Work In Restricted Working Space, Add	4.35	
23 21 13 23-0399 LF 2" Schedule 40, Welded Plain End Black Steel Pipe 20.81	20.81	8.61
For Schedule 80 Pipe, Add	3.30	
For Schedule A-106 Pipe, Add	0.43	
For Work In Restricted Working Space, Add	5.16	
23 21 13 23-0400 LF 2-1/2" Schedule 40, Welded Plain End Black Steel Pipe 23.69	23.69	9.74
For Schedule 80 Pipe, Add	4.88	
For Schedule A-106 Pipe, Add	0.50	
For Work In Restricted Working Space, Add	5.85	
23 21 13 23-0401 LF 3" Schedule 40, Welded Plain End Black Steel Pipe 27.60	27.60	10.46
For Schedule 80 Pipe, Add	6.00	
For Schedule A-106 Pipe, Add	0.80	
For Work In Restricted Working Space, Add	6.28	
23 21 13 23-0402 LF 4" Schedule 40, Welded Plain End Black Steel Pipe 36.60	36.60	12.95
For Schedule 80 Pipe, Add	8.27	
For Schedule A-106 Pipe, Add	1.28	
For Work In Restricted Working Space, Add	7.78	
23 21 13 23-0403 LF 6" Schedule 40, Welded Plain End Black Steel Pipe 50.02	50.02	20.99
For Schedule 80 Pipe, Add	11.88	
For Schedule A-106 Pipe, Add	2.15	
For Work In Restricted Working Space, Add	9.64	
23 21 13 23-0404 LF 8" Schedule 40, Welded Plain End Black Steel Pipe 67.55	67.55	20.29
For Schedule 80 Pipe, Add	16.54	
For Schedule A-106 Pipe, Add	3.24	
For Schedule 30 Pipe, Deduct	-9.45	
For Work In Restricted Working Space, Add	12.17	
23 21 13 23-0405 LF 10" Schedule 40, Welded Plain End Black Steel Pipe 87.07	87.07	24.43
For Schedule 80 Pipe, Add	21.92	
For Schedule A-106 Pipe, Add	4.58	
For Schedule 30 Pipe, Deduct	-12.53	
For Work In Restricted Working Space, Add	14.66	
23 21 13 23-0406 LF 12" Schedule 40, Welded Plain End Black Steel Pipe 109.57	109.57	29.53
For Schedule 80 Pipe, Add	28.01	
For Schedule A-106 Pipe, Add	6.06	
For Schedule 30 Pipe, Deduct	-16.01	
For Work In Restricted Working Space, Add	17.72	
23 21 13 23-0407 LF 14" Schedule 40, Welded Plain End Black Steel Pipe 108.33	108.33	31.14
For Schedule 80 Pipe, Add	27.02	
For Schedule A-106 Pipe, Add	5.53	
For Schedule 30 Pipe, Deduct	-15.44	
For Schedule 20 Pipe, Deduct	-28.57	
For Work In Restricted Working Space, Add	18.68	
23 21 13 23-0408 LF 16" Schedule 40, Welded Plain End Black Steel Pipe 118.47	118.47	33.50
For Schedule 80 Pipe, Add	29.74	
For Schedule A-106 Pipe, Add	6.18	
For Schedule 30 Pipe, Deduct	-16.99	
For Schedule 20 Pipe, Deduct	-31.41	
For Work In Restricted Working Space, Add	20.10	
23 21 13 23-0409 LF 18" Schedule 40, Welded Plain End Black Steel Pipe 143.79	143.79	36.24
For Schedule 80 Pipe, Add	37.65	
For Schedule A-106 Pipe, Add	8.56	
For Schedule 30 Pipe, Deduct	-21.51	
For Schedule 20 Pipe, Deduct	-39.46	
For Work In Restricted Working Space, Add	21.74	
23 21 13 23-0410 LF 20" Schedule 40, Welded Plain End Black Steel Pipe 170.57	170.57	43.40
For Schedule 80 Pipe, Add	44.51	
For Schedule A-106 Pipe, Add	10.05	
For Work In Restricted Working Space, Add	26.04	
23 21 13 23-0411 LF 24" Schedule 40, Welded Plain End Black Steel Pipe 208.03	208.03	49.92
For Schedule 80 Pipe, Add	55.34	
For Schedule A-106 Pipe, Add	12.98	
For Work In Restricted Working Space, Add	29.95	
23 21 13 23-0412 Welded Plain End Black Steel 90 Degree Elbows <small>(23 21 13 23-0393)</small>		

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 20 HVAC Piping And Pumps****23 21 Hydronic Piping And Pumps**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21	13 23-0413	EA	3/4" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	102.27	59.82
			<i>For Schedule 80 Fittings, Add</i>	21.27	
			<i>For Work In Restricted Working Space, Add</i>	26.90	
23 21	13 23-0414	EA	1" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	106.97	62.94
			<i>For Schedule 80 Fittings, Add</i>	22.18	
			<i>For Work In Restricted Working Space, Add</i>	28.31	
23 21	13 23-0415	EA	1-1/4" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	120.17	71.72
			<i>For Schedule 80 Fittings, Add</i>	24.76	
			<i>For Work In Restricted Working Space, Add</i>	32.27	
23 21	13 23-0416	EA	1-1/2" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	128.66	77.38
			<i>For Schedule 80 Fittings, Add</i>	26.41	
			<i>For Work In Restricted Working Space, Add</i>	34.81	
23 21	13 23-0417	EA	2" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	163.57	100.68
			<i>For Schedule 80 Fittings, Add</i>	33.22	
			<i>For Work In Restricted Working Space, Add</i>	45.29	
23 21	13 23-0418	EA	2-1/2" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	205.51	125.88
			<i>For Schedule 80 Fittings, Add</i>	41.84	
			<i>For Work In Restricted Working Space, Add</i>	56.60	
23 21	13 23-0419	EA	3" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	230.14	140.13
			<i>For Schedule 80 Fittings, Add</i>	46.99	
			<i>For Work In Restricted Working Space, Add</i>	63.01	
23 21	13 23-0420	EA	4" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	396.29	242.13
			<i>For Schedule 80 Fittings, Add</i>	80.77	
			<i>For Work In Restricted Working Space, Add</i>	108.91	
23 21	13 23-0421	EA	6" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	680.93	399.57
			<i>For Schedule 80 Fittings, Add</i>	141.37	
			<i>For Work In Restricted Working Space, Add</i>	179.74	
23 21	13 23-0422	EA	8" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	918.47	511.34
			<i>For Schedule 80 Fittings, Add</i>	195.04	
			<i>For Work In Restricted Working Space, Add</i>	230.00	
23 21	13 23-0423	EA	10" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	1,154.92	584.47
			<i>For Schedule 80 Fittings, Add</i>	254.48	
			<i>For Work In Restricted Working Space, Add</i>	262.86	
23 21	13 23-0424	EA	12" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	1,550.59	764.69
			<i>For Schedule 80 Fittings, Add</i>	344.80	
			<i>For Work In Restricted Working Space, Add</i>	343.93	
23 21	13 23-0425	EA	14" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	1,902.16	903.87
			<i>For Schedule 80 Fittings, Add</i>	428.36	
			<i>For Work In Restricted Working Space, Add</i>	406.54	
23 21	13 23-0426	EA	16" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	2,331.16	1,055.50
			<i>For Schedule 80 Fittings, Add</i>	533.20	
			<i>For Work In Restricted Working Space, Add</i>	474.72	
23 21	13 23-0427	EA	18" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	2,728.17	1,176.94
			<i>For Schedule 80 Fittings, Add</i>	633.18	
			<i>For Work In Restricted Working Space, Add</i>	529.35	
23 21	13 23-0428	EA	20" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	3,394.91	1,319.61
			<i>For Schedule 80 Fittings, Add</i>	810.73	
			<i>For Work In Restricted Working Space, Add</i>	593.55	
23 21	13 23-0429	EA	24" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	3,895.55	1,363.68
			<i>For Schedule 80 Fittings, Add</i>	954.00	
			<i>For Work In Restricted Working Space, Add</i>	613.34	
23 21	13 23-0430	Welded Plain End Black Steel Reducing 90 Degree Elbows <small>(23 21 13 23-0393)</small>			
23 21	13 23-0431	EA	4" x 3" 90 Standard Weight, Welded Plain End Black Steel Reducing 90 Degree Elbow	500.53	242.54
			<i>For Schedule 80 Fittings, Add</i>	111.97	
			<i>For Work In Restricted Working Space, Add</i>	109.11	
23 21	13 23-0432	EA	6" x 4" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	859.97	395.02
			<i>For Schedule 80 Fittings, Add</i>	195.80	
			<i>For Work In Restricted Working Space, Add</i>	177.69	
23 21	13 23-0433	EA	6" x 3" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	905.86	395.02
			<i>For Schedule 80 Fittings, Add</i>	209.57	
			<i>For Work In Restricted Working Space, Add</i>	177.69	
23 21	13 23-0434	EA	8" x 6" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	1,331.32	511.34
			<i>For Schedule 80 Fittings, Add</i>	318.90	
			<i>For Work In Restricted Working Space, Add</i>	230.00	
23 21	13 23-0435	EA	8" x 4" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	1,440.75	511.34
			<i>For Schedule 80 Fittings, Add</i>	351.72	
			<i>For Work In Restricted Working Space, Add</i>	230.00	
23 21	13 23-0436	EA	10" x 8" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	1,778.75	584.47
			<i>For Schedule 80 Fittings, Add</i>	441.62	
			<i>For Work In Restricted Working Space, Add</i>	262.86	
23 21	13 23-0437	EA	10" x 6" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	1,778.75	584.47
			<i>For Schedule 80 Fittings, Add</i>	441.62	
			<i>For Work In Restricted Working Space, Add</i>	262.86	
23 21	13 23-0438	EA	12" x 10" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	2,843.97	779.22
			<i>For Schedule 80 Fittings, Add</i>	730.52	
			<i>For Work In Restricted Working Space, Add</i>	350.48	
23 21	13 23-0439	EA	12" x 8" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	2,843.97	779.22
			<i>For Schedule 80 Fittings, Add</i>	730.52	
			<i>For Work In Restricted Working Space, Add</i>	350.48	
23 21	13 23-0440	EA	12" x 6" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	3,141.63	779.22
			<i>For Schedule 80 Fittings, Add</i>	819.82	
			<i>For Work In Restricted Working Space, Add</i>	350.48	



Heating, Ventilating, And Air-Conditioning (HVAC)		23
HVAC Piping And Pumps		23 20
Hydronic Piping And Pumps		23 21

23

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21	13 23-0441		Welded Plain End Black Steel 45 Degree Elbows (23 21 13 23-0393)		
		EA	3/4" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow <i>For Schedule 80 Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	98.12 20.19 26.43	58.77
		EA	1" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow <i>For Schedule 80 Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	101.23 20.79 27.36	60.85
		EA	1-1/4" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow <i>For Schedule 80 Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	114.71 23.42 31.41	69.86
		EA	1-1/2" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow <i>For Schedule 80 Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	123.00 25.04 33.89	75.35
		EA	2" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow <i>For Schedule 80 Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	156.18 31.51 43.85	97.43
		EA	2-1/2" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow <i>For Schedule 80 Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	195.12 39.27 55.04	122.41
		EA	3" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow <i>For Schedule 80 Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	224.68 45.36 63.00	140.03
		EA	4" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow <i>For Schedule 80 Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	387.21 78.06 108.88	242.02
		EA	6" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow <i>For Schedule 80 Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	658.17 134.61 179.54	399.16
		EA	8" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow <i>For Schedule 80 Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	877.51 182.75 230.00	511.34
		EA	10" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow <i>For Schedule 80 Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,079.71 231.91 262.86	584.47
		EA	12" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow <i>For Schedule 80 Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,439.38 311.66 343.28	763.27
		EA	14" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow <i>For Schedule 80 Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,756.35 384.43 407.08	905.09
		EA	16" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow <i>For Schedule 80 Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	2,127.48 472.26 474.23	1,054.38
		EA	18" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow <i>For Schedule 80 Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	2,466.09 554.77 528.74	1,175.53
		EA	20" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow <i>For Schedule 80 Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	3,012.69 696.06 593.55	1,319.61
		EA	24" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow <i>For Schedule 80 Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	3,396.03 804.14 613.34	1,363.68
23 21	13 23-0459		Welded Plain End Black Steel Tee (23 21 13 23-0393)		
		EA	3/4" Standard Weight, Welded Plain End Black Steel Tee <i>For Schedule 80 Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	196.11 41.42 49.76	110.60
		EA	1" Standard Weight, Welded Plain End Black Steel Tee <i>For Schedule 80 Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	196.05 41.41 49.74	110.60
		EA	1-1/4" Standard Weight, Welded Plain End Black Steel Tee <i>For Schedule 80 Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	220.90 46.90 55.33	123.03
		EA	1-1/2" Standard Weight, Welded Plain End Black Steel Tee <i>For Schedule 80 Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	243.77 51.36 62.19	138.27
		EA	2" Standard Weight, Welded Plain End Black Steel Tee <i>For Schedule 80 Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	309.02 63.65 83.03	184.60
		EA	2-1/2" Standard Weight, Welded Plain End Black Steel Tee <i>For Schedule 80 Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	351.05 72.66 93.29	207.41
		EA	3" Standard Weight, Welded Plain End Black Steel Tee <i>For Schedule 80 Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	421.66 86.88 113.19	251.87
		EA	4" Standard Weight, Welded Plain End Black Steel Tee <i>For Schedule 80 Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	607.25 124.89 163.66	363.92
		EA	6" Standard Weight, Welded Plain End Black Steel Tee <i>For Schedule 80 Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,013.66 209.46 270.40	601.18

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 20 HVAC Piping And Pumps****23 21 Hydronic Piping And Pumps**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0469 EA 8" Standard Weight, Welded Plain End Black Steel Tee.....	1,376.27	779.22
For Schedule 80 Fittings, Add	290.21	
For Work In Restricted Working Space, Add	350.48	
23 21 13 23-0470 EA 10" Standard Weight, Welded Plain End Black Steel Tee.....	1,711.74	909.06
For Schedule 80 Fittings, Add	370.41	
For Work In Restricted Working Space, Add	408.89	
23 21 13 23-0471 EA 12" Standard Weight, Welded Plain End Black Steel Tee.....	2,282.85	1,168.83
For Schedule 80 Fittings, Add	500.85	
For Work In Restricted Working Space, Add	525.72	
23 21 13 23-0472 EA 14" Standard Weight, Welded Plain End Black Steel Tee.....	2,897.31	1,363.68
For Schedule 80 Fittings, Add	654.53	
For Work In Restricted Working Space, Add	613.34	
23 21 13 23-0473 EA 16" Standard Weight, Welded Plain End Black Steel Tee.....	3,484.39	1,636.38
For Schedule 80 Fittings, Add	787.72	
For Work In Restricted Working Space, Add	736.00	
23 21 13 23-0474 EA 18" Standard Weight, Welded Plain End Black Steel Tee.....	4,410.13	1,818.21
For Schedule 80 Fittings, Add	1,036.82	
For Work In Restricted Working Space, Add	817.78	
23 21 13 23-0475 EA 20" Standard Weight, Welded Plain End Black Steel Tee.....	5,666.86	2,045.52
For Schedule 80 Fittings, Add	1,378.06	
For Work In Restricted Working Space, Add	920.00	
23 21 13 23-0476 EA 24" Standard Weight, Welded Plain End Black Steel Tee.....	6,474.10	2,202.86
For Schedule 80 Fittings, Add	1,595.46	
For Work In Restricted Working Space, Add	990.77	
23 21 13 23-0477 Welded Plain End Black Steel Reducing Tees (23 21 13 23-0393)		
23 21 13 23-0478 EA 3/4" Standard Weight, Welded Plain End Black Steel Reducing Tee	190.92	107.17
For Schedule 80 Fittings, Add	40.41	
For Work In Restricted Working Space, Add	48.20	
23 21 13 23-0479 EA 1" Standard Weight, Welded Plain End Black Steel Reducing Tee	196.05	110.60
For Schedule 80 Fittings, Add	41.41	
For Work In Restricted Working Space, Add	49.74	
23 21 13 23-0480 EA 1-1/4" Standard Weight, Welded Plain End Black Steel Reducing Tee	218.97	123.03
For Schedule 80 Fittings, Add	46.33	
For Work In Restricted Working Space, Add	55.33	
23 21 13 23-0481 EA 1-1/2" Standard Weight, Welded Plain End Black Steel Reducing Tee	241.84	138.27
For Schedule 80 Fittings, Add	50.79	
For Work In Restricted Working Space, Add	62.19	
23 21 13 23-0482 EA 2" Standard Weight, Welded Plain End Black Steel Reducing Tee	313.40	184.60
For Schedule 80 Fittings, Add	64.95	
For Work In Restricted Working Space, Add	83.05	
23 21 13 23-0483 EA 2-1/2" Standard Weight, Welded Plain End Black Steel Reducing Tee	351.16	207.51
For Schedule 80 Fittings, Add	72.68	
For Work In Restricted Working Space, Add	93.32	
23 21 13 23-0484 EA 3" Standard Weight, Welded Plain End Black Steel Reducing Tee	421.86	251.87
For Schedule 80 Fittings, Add	86.94	
For Work In Restricted Working Space, Add	113.19	
23 21 13 23-0485 EA 4" Standard Weight, Welded Plain End Black Steel Reducing Tee	607.54	363.92
For Schedule 80 Fittings, Add	124.98	
For Work In Restricted Working Space, Add	163.66	
23 21 13 23-0486 EA 6" Standard Weight, Welded Plain End Black Steel Reducing Tee	1,014.15	601.18
For Schedule 80 Fittings, Add	209.61	
For Work In Restricted Working Space, Add	270.40	
23 21 13 23-0487 EA 8" Standard Weight, Welded Plain End Black Steel Reducing Tee	1,377.21	779.22
For Schedule 80 Fittings, Add	290.50	
For Work In Restricted Working Space, Add	350.48	
23 21 13 23-0488 EA 10" Standard Weight, Welded Plain End Black Steel Reducing Tee	1,713.34	909.06
For Schedule 80 Fittings, Add	370.89	
For Work In Restricted Working Space, Add	408.89	
23 21 13 23-0489 EA 12" Standard Weight, Welded Plain End Black Steel Reducing Tee	2,285.25	1,168.83
For Schedule 80 Fittings, Add	501.57	
For Work In Restricted Working Space, Add	525.72	
23 21 13 23-0490 EA 14" Standard Weight, Welded Plain End Black Steel Reducing Tee	2,901.19	1,363.68
For Schedule 80 Fittings, Add	655.69	
For Work In Restricted Working Space, Add	613.34	
23 21 13 23-0491 EA 16" Standard Weight, Welded Plain End Black Steel Reducing Tee	3,489.09	1,636.38
For Schedule 80 Fittings, Add	789.13	
For Work In Restricted Working Space, Add	736.00	
23 21 13 23-0492 EA 18" Standard Weight, Welded Plain End Black Steel Reducing Tee	4,417.81	1,818.21
For Schedule 80 Fittings, Add	1,039.12	
For Work In Restricted Working Space, Add	817.78	
23 21 13 23-0493 Welded Plain End Black Steel Eccentric Reducers (23 21 13 23-0393)		
23 21 13 23-0494 EA 3" x 2" Standard Weight, Welded Plain End Black Steel Eccentric Reducer	235.73	139.61
For Schedule 80 Fittings, Add	48.73	
For Concentric Reducers, Deduct	-8.43	
For Work In Restricted Working Space, Add	62.82	
23 21 13 23-0495 EA 4" x 3" Standard Weight, Welded Plain End Black Steel Eccentric Reducer	395.59	242.54
For Schedule 80 Fittings, Add	80.49	
For Concentric Reducers, Deduct	-10.21	
For Work In Restricted Working Space, Add	109.11	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0496 EA 4" x 2" Standard Weight, Welded Plain End Black Steel Eccentric Reducer	404.77	242.54
<i>For Schedule 80 Fittings, Add</i>	83.24	
<i>For Concentric Reducers, Deduct</i>	-13.15	
<i>For Work In Restricted Working Space, Add</i>	109.11	
23 21 13 23-0497 EA 6" x 4" Standard Weight, Welded Plain End Black Steel Eccentric Reducer	656.78	395.02
<i>For Schedule 80 Fittings, Add</i>	134.84	
<i>For Concentric Reducers, Deduct</i>	-20.64	
<i>For Work In Restricted Working Space, Add</i>	177.69	
23 21 13 23-0498 EA 6" x 3" Standard Weight, Welded Plain End Black Steel Eccentric Reducer	703.75	395.02
<i>For Schedule 80 Fittings, Add</i>	148.93	
<i>For Concentric Reducers, Deduct</i>	-35.67	
<i>For Work In Restricted Working Space, Add</i>	177.69	
23 21 13 23-0499 EA 8" x 6" Standard Weight, Welded Plain End Black Steel Eccentric Reducer	997.71	601.18
<i>For Schedule 80 Fittings, Add</i>	204.67	
<i>For Concentric Reducers, Deduct</i>	-30.84	
<i>For Work In Restricted Working Space, Add</i>	270.40	
23 21 13 23-0500 EA 8" x 4" Standard Weight, Welded Plain End Black Steel Eccentric Reducer	1,067.73	601.18
<i>For Schedule 80 Fittings, Add</i>	225.68	
<i>For Concentric Reducers, Deduct</i>	-53.25	
<i>For Work In Restricted Working Space, Add</i>	270.40	
23 21 13 23-0501 EA 10" x 8" Standard Weight, Welded Plain End Black Steel Eccentric Reducer	1,150.22	691.36
<i>For Schedule 80 Fittings, Add</i>	236.23	
<i>For Concentric Reducers, Deduct</i>	-36.39	
<i>For Work In Restricted Working Space, Add</i>	310.95	
23 21 13 23-0502 EA 10" x 6" Standard Weight, Welded Plain End Black Steel Eccentric Reducer	1,238.27	691.36
<i>For Schedule 80 Fittings, Add</i>	262.65	
<i>For Concentric Reducers, Deduct</i>	-64.56	
<i>For Work In Restricted Working Space, Add</i>	310.95	
23 21 13 23-0503 EA 12" x 10" Standard Weight, Welded Plain End Black Steel Eccentric Reducer	1,344.93	777.71
<i>For Schedule 80 Fittings, Add</i>	281.04	
<i>For Concentric Reducers, Deduct</i>	-57.24	
<i>For Work In Restricted Working Space, Add</i>	349.81	
23 21 13 23-0504 EA 12" x 8" Standard Weight, Welded Plain End Black Steel Eccentric Reducer	1,446.90	777.71
<i>For Schedule 80 Fittings, Add</i>	311.64	
<i>For Concentric Reducers, Deduct</i>	-89.88	
<i>For Work In Restricted Working Space, Add</i>	349.81	
23 21 13 23-0505 EA 14" x 12" Standard Weight, Welded Plain End Black Steel Eccentric Reducer	1,677.10	909.06
<i>For Schedule 80 Fittings, Add</i>	360.02	
<i>For Concentric Reducers, Deduct</i>	-100.52	
<i>For Work In Restricted Working Space, Add</i>	408.89	
23 21 13 23-0506 EA 14" x 10" Standard Weight, Welded Plain End Black Steel Eccentric Reducer	1,733.98	909.06
<i>For Schedule 80 Fittings, Add</i>	377.08	
<i>For Concentric Reducers, Deduct</i>	-118.72	
<i>For Work In Restricted Working Space, Add</i>	408.89	
23 21 13 23-0507 EA 16" x 14" Standard Weight, Welded Plain End Black Steel Eccentric Reducer	1,959.82	1,022.76
<i>For Schedule 80 Fittings, Add</i>	426.95	
<i>For Concentric Reducers, Deduct</i>	-136.47	
<i>For Work In Restricted Working Space, Add</i>	460.00	
23 21 13 23-0508 EA 16" x 12" Standard Weight, Welded Plain End Black Steel Eccentric Reducer	2,106.13	1,022.76
<i>For Schedule 80 Fittings, Add</i>	470.84	
<i>For Concentric Reducers, Deduct</i>	-183.29	
<i>For Work In Restricted Working Space, Add</i>	460.00	
23 21 13 23-0509 EA 18" x 16" Standard Weight, Welded Plain End Black Steel Eccentric Reducer	2,445.83	1,168.83
<i>For Schedule 80 Fittings, Add</i>	549.75	
<i>For Concentric Reducers, Deduct</i>	-221.90	
<i>For Work In Restricted Working Space, Add</i>	525.72	
23 21 13 23-0510 Welded Plain End Black Steel Caps <small>(23 21 13 23-0393)</small>		
23 21 13 23-0511 EA 1" Standard Weight, Welded Plain End Black Steel Cap	58.23	34.62
<i>For Schedule 80 Fittings, Add</i>	10.99	
<i>For Work In Restricted Working Space, Add</i>	15.55	
23 21 13 23-0512 EA 1-1/4" Standard Weight, Welded Plain End Black Steel Cap	63.82	38.04
<i>For Schedule 80 Fittings, Add</i>	12.02	
<i>For Work In Restricted Working Space, Add</i>	17.10	
23 21 13 23-0513 EA 1-1/2" Standard Weight, Welded Plain End Black Steel Cap	66.29	39.39
<i>For Schedule 80 Fittings, Add</i>	12.50	
<i>For Work In Restricted Working Space, Add</i>	17.72	
23 21 13 23-0514 EA 2" Standard Weight, Welded Plain End Black Steel Cap	82.89	50.47
<i>For Schedule 80 Fittings, Add</i>	15.41	
<i>For Work In Restricted Working Space, Add</i>	22.70	
23 21 13 23-0515 EA 2-1/2" Standard Weight, Welded Plain End Black Steel Cap	98.43	60.85
<i>For Schedule 80 Fittings, Add</i>	18.13	
<i>For Work In Restricted Working Space, Add</i>	27.36	
23 21 13 23-0516 EA 3" Standard Weight, Welded Plain End Black Steel Cap	115.65	70.17
<i>For Schedule 80 Fittings, Add</i>	21.54	
<i>For Work In Restricted Working Space, Add</i>	31.57	
23 21 13 23-0517 EA 4" Standard Weight, Welded Plain End Black Steel Cap	195.72	121.28
<i>For Schedule 80 Fittings, Add</i>	35.98	
<i>For Work In Restricted Working Space, Add</i>	54.56	
23 21 13 23-0518 EA 6" Standard Weight, Welded Plain End Black Steel Cap	326.77	200.36
<i>For Schedule 80 Fittings, Add</i>	60.48	
<i>For Work In Restricted Working Space, Add</i>	90.13	
23 21 13 23-0519 EA 8" Standard Weight, Welded Plain End Black Steel Cap	545.14	337.28
<i>For Schedule 80 Fittings, Add</i>	100.34	
<i>For Work In Restricted Working Space, Add</i>	151.69	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 20 HVAC Piping And Pumps****23 21 Hydronic Piping And Pumps**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0520 EA 10" Standard Weight, Welded Plain End Black Steel Cap <i>For Schedule 80 Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	600.88 113.82 159.46	354.59
23 21 13 23-0521 EA 12" Standard Weight, Welded Plain End Black Steel Cap <i>For Schedule 80 Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	657.24 125.85 171.16	380.55
23 21 13 23-0522 EA 14" Standard Weight, Welded Plain End Black Steel Cap <i>For Schedule 80 Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	844.47 168.15 204.45	454.53
23 21 13 23-0523 EA 16" Standard Weight, Welded Plain End Black Steel Cap <i>For Schedule 80 Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	980.71 195.29 237.42	527.84
23 21 13 23-0524 EA 18" Standard Weight, Welded Plain End Black Steel Cap <i>For Schedule 80 Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,093.93 218.65 262.86	584.47
23 21 13 23-0525 150 LB, Welded Plain End Black Steel Neck Flanges (23 21 13 23-0393) Note: 150 LB.		
23 21 13 23-0526 EA 2", 150 LB, Welded Plain End Black Steel Neck Flange <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	142.02 35.95 32.00	71.15
23 21 13 23-0527 EA 2-1/2", 150 LB, Welded Plain End Black Steel Neck Flange <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	168.45 38.72 39.93	88.79
23 21 13 23-0528 EA 3", 150 LB, Welded Plain End Black Steel Neck Flange <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	202.57 42.33 50.15	111.53
23 21 13 23-0529 EA 4", 150 LB, Welded Plain End Black Steel Neck Flange <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	265.63 54.72 66.16	147.08
23 21 13 23-0530 EA 6", 150 LB, Welded Plain End Black Steel Neck Flange <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	403.74 83.67 100.31	223.06
23 21 13 23-0531 EA 8", 150 LB, Welded Plain End Black Steel Neck Flange <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	452.26 119.32 99.46	221.17
23 21 13 23-0532 EA 10", 150 LB, Welded Plain End Black Steel Neck Flange <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	614.26 182.57 124.75	277.32
23 21 13 23-0533 EA 12", 150 LB, Welded Plain End Black Steel Neck Flange <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	761.14 252.08 141.54	314.69
23 21 13 23-0534 EA 14", 150 LB, Welded Plain End Black Steel Neck Flange <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,009.77 367.37 171.16	380.55
23 21 13 23-0535 EA 16", 150 LB, Welded Plain End Black Steel Neck Flange <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,349.31 550.00 198.92	442.27
23 21 13 23-0536 EA 18", 150 LB, Welded Plain End Black Steel Neck Flange <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,696.14 744.95 223.03	495.86
23 21 13 23-0537 EA 20", 150 LB, Welded Plain End Black Steel Neck Flange <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	2,150.24 943.73 283.08	629.38
23 21 13 23-0538 EA 24", 150 LB, Welded Plain End Black Steel Neck Flange <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	2,455.08 1,110.33 306.67	681.84
23 21 13 23-0539 150 LB, Welded Black Steel Slip-On Flanges (23 21 13 23-0393)		
23 21 13 23-0540 EA 2", 150 LB, Welded Black Steel Slip-On Flanges <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	102.30 24.56 25.48	71.15
23 21 13 23-0541 EA 2-1/2", 150 LB, Welded Black Steel Slip-On Flange <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	126.11 30.98 31.14	88.79
23 21 13 23-0542 EA 3", 150 LB, Welded Black Steel Slip-On Flange <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	161.01 37.78 40.43	111.53
23 21 13 23-0543 EA 4", 150 LB, Welded Black Steel Slip-On Flange <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	212.03 50.74 52.86	147.08
23 21 13 23-0544 EA 6", 150 LB, Welded Black Steel Slip-On Flange <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	314.26 76.83 77.74	223.06
23 21 13 23-0545 EA 8", 150 LB, Welded Black Steel Slip-On Flange <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	385.83 107.20 90.59	221.17
23 21 13 23-0546 EA 10", 150 LB, Welded Black Steel Slip-On Flange <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	522.24 169.95 113.23	277.32
23 21 13 23-0547 EA 12", 150 LB, Welded Black Steel Slip-On Flange <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	681.39 253.17 135.88	314.69



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0548 EA 14", 150 LB, Welded Black Steel Slip-On Flange	862.20	380.55
For 300 LB Rating, Add	355.89	
For Work In Restricted Working Space, Add	158.52	
23 21 13 23-0549 EA 16", 150 LB, Welded Black Steel Slip-On Flange	1,034.45	442.27
For 300 LB Rating, Add	465.91	
For Work In Restricted Working Space, Add	175.51	
23 21 13 23-0550 EA 18", 150 LB, Welded Black Steel Slip-On Flange	1,145.55	495.86
For 300 LB Rating, Add	520.89	
For Work In Restricted Working Space, Add	192.49	
23 21 13 23-0551 EA 20", 150 LB, Welded Black Steel Slip-On Flange	1,271.03	629.38
For 300 LB Rating, Add	588.81	
For Work In Restricted Working Space, Add	209.48	
23 21 13 23-0552 EA 24", 150 LB, Welded Black Steel Slip-On Flange	1,455.06	681.84
For 300 LB Rating, Add	664.41	
For Work In Restricted Working Space, Add	243.45	
23 21 13 23-0553 150 LB, Forged Steel Blind Flanges <small>(23 21 13 23-0393)</small>		
23 21 13 23-0554 EA 2", 150 LB, Forged Steel Blind Flange.....	75.68	27.87
For 300 LB Rating, Add	21.81	
For 600 LB Rating, Add	56.24	
For Work In Restricted Working Space, Add	16.72	
23 21 13 23-0555 EA 2-1/2", 150 LB, Forged Steel Blind Flange.....	99.23	33.44
For 300 LB Rating, Add	32.90	
For 600 LB Rating, Add	87.67	
For Work In Restricted Working Space, Add	20.06	
23 21 13 23-0556 EA 3", 150 LB, Forged Steel Blind Flange.....	122.64	44.58
For 300 LB Rating, Add	36.14	
For 600 LB Rating, Add	93.70	
For Work In Restricted Working Space, Add	26.75	
23 21 13 23-0557 EA 4", 150 LB, Forged Steel Blind Flange.....	157.58	55.73
For 300 LB Rating, Add	48.60	
For 600 LB Rating, Add	127.41	
For Work In Restricted Working Space, Add	33.44	
23 21 13 23-0558 EA 6", 150 LB, Forged Steel Blind Flange.....	214.79	72.46
For 300 LB Rating, Add	71.13	
For 600 LB Rating, Add	189.47	
For Work In Restricted Working Space, Add	43.47	
23 21 13 23-0559 EA 8", 150 LB, Forged Steel Blind Flange.....	278.06	83.60
For 300 LB Rating, Add	106.24	
For 600 LB Rating, Add	291.14	
For Work In Restricted Working Space, Add	50.16	
23 21 13 23-0560 EA 10", 150 LB, Forged Steel Blind Flange.....	417.13	100.32
For 300 LB Rating, Add	194.26	
For 600 LB Rating, Add	549.67	
For Work In Restricted Working Space, Add	60.19	
23 21 13 23-0561 EA 12", 150 LB, Forged Steel Blind Flange.....	540.50	117.04
For 300 LB Rating, Add	269.71	
For 600 LB Rating, Add	770.52	
For Work In Restricted Working Space, Add	70.22	
23 21 13 23-0562 EA 14", 150 LB, Forged Steel Blind Flange.....	898.41	133.76
For 300 LB Rating, Add	532.81	
For Work In Restricted Working Space, Add	80.25	
23 21 13 23-0563 EA 16", 150 LB, Forged Steel Blind Flange.....	965.97	150.47
For 300 LB Rating, Add	563.61	
For Work In Restricted Working Space, Add	90.29	
23 21 13 23-0564 EA 18", 150 LB, Forged Steel Blind Flange.....	1,090.13	183.92
For 300 LB Rating, Add	616.46	
For Work In Restricted Working Space, Add	110.35	
23 21 13 23-0565 EA 20", 150 LB, Forged Steel Blind Flange.....	1,390.22	200.64
For 300 LB Rating, Add	833.29	
For Work In Restricted Working Space, Add	120.38	
23 21 13 23-0566 EA 24", 150 LB, Forged Steel Blind Flange.....	1,883.99	234.08
For 300 LB Rating, Add	1,181.82	
For Work In Restricted Working Space, Add	140.45	
23 21 13 23-0567 3,000 LB, Forge Steel Thread-O-Lets <small>(23 21 13 23-0393)</small>		
23 21 13 23-0568 EA 1/2", 3,000 LB, Forge Steel Thread-O-Let	77.84	
For Weld-O-Lets, Add	4.37	
For Sock-O-Lets, Add	30.02	
For Work In Restricted Working Space, Add	20.73	
23 21 13 23-0569 EA 3/4", 3,000 LB, Forge Steel Thread-O-Let	93.18	
For Weld-O-Lets, Add	5.13	
For Sock-O-Lets, Add	35.92	
For Work In Restricted Working Space, Add	24.88	
23 21 13 23-0570 EA 1", 3,000 LB, Forge Steel Thread-O-Let	105.73	
For Weld-O-Lets, Add	5.75	
For Sock-O-Lets, Add	40.75	
For Work In Restricted Working Space, Add	28.27	
23 21 13 23-0571 EA 1-1/4" Or 1-1/2", 3,000 LB, Forge Steel Thread-O-Let.....	119.96	
For Weld-O-Lets, Add	8.16	
For Sock-O-Lets, Add	46.40	
For Work In Restricted Working Space, Add	31.10	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 20 HVAC Piping And Pumps****23 21 Hydronic Piping And Pumps**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21	13 23-0572	EA	2", 3,000 LB, Forge Steel Thread-O-Let	135.57	
			<i>For Weld-O-Lets, Add</i>	10.20	
			<i>For Sock-O-Lets, Add</i>	52.54	
			<i>For Work In Restricted Working Space, Add</i>	34.55	
23 21	13 23-0573	EA	2-1/2", 3,000 LB, Forge Steel Thread-O-Let	222.11	
			<i>For Weld-O-Lets, Add</i>	37.02	
			<i>For Sock-O-Lets, Add</i>	88.10	
			<i>For Work In Restricted Working Space, Add</i>	44.42	
23 21	13 23-0574	EA	3", 3,000 LB, Forge Steel Thread-O-Let	281.77	
			<i>For Weld-O-Lets, Add</i>	37.24	
			<i>For Sock-O-Lets, Add</i>	110.80	
			<i>For Work In Restricted Working Space, Add</i>	62.19	
23 21	13 23-0575	EA	4", 3,000 LB, Forge Steel Thread-O-Let	404.90	
			<i>For Weld-O-Lets, Add</i>	72.89	
			<i>For Sock-O-Lets, Add</i>	161.15	
			<i>For Work In Restricted Working Space, Add</i>	77.74	
23 21	13 23-0576		Bolt, Nut, And 150 LB Rubber Flange Gasket Set <small>(23 21 13 23-0576)</small>		
			Note: Used between weld neck or slip-on flanges and valves, or equipment with bolt connections, or between two bolted valves. Flanged equipment, flanged fittings and flanged valves exclude bolt and gasket sets.		
23 21	13 23-0577	EA	3/4" To 1-1/2" Diameter Pipe; Bolt, Nut And 150 LB Rubber Flange Gasket Set.....	7.14	
			Note: Includes rubber gasket, and four (4) 1/2" diameter bolts with washer and nut.		
			<i>For 300 LB Rating Gasket Set, Add</i>	2.32	
			<i>For 150 LB Rating Teflon Gasket Set, Add</i>	9.32	
23 21	13 23-0578	EA	2" Diameter Pipe; Bolt, Nut And 150 LB Rubber Flange Gasket Set	12.70	
			Note: Includes rubber gasket, and four (4) 5/8" diameter bolts with washer and nut.		
			<i>For 300 LB Rating Gasket Set, Add</i>	4.13	
			<i>For 150 LB Rating Teflon Gasket Set, Add</i>	16.57	
23 21	13 23-0579	EA	2-1/2" Diameter Pipe; Bolt, Nut And 150 LB Rubber Flange Gasket Set	13.62	
			Note: Includes rubber gasket, and four (4) 5/8" diameter bolts with washer and nut.		
			<i>For 300 LB Rating Gasket Set, Add</i>	4.43	
			<i>For 150 LB Rating Teflon Gasket Set, Add</i>	17.77	
23 21	13 23-0580	EA	3" Diameter Pipe; Bolt, Nut And 150 LB Rubber Flange Gasket Set	14.33	
			Note: Includes rubber gasket, and four (4) 5/8" diameter bolts with washer and nut.		
			<i>For 300 LB Rating Gasket Set, Add</i>	4.66	
			<i>For 150 LB Rating Teflon Gasket Set, Add</i>	18.70	
23 21	13 23-0581	EA	4" Diameter Pipe; Bolt, Nut And 150 LB Rubber Flange Gasket Set	24.93	
			Note: Includes rubber gasket, and eight (8) 5/8" diameter bolts with washer and nut.		
			<i>For 300 LB Rating Gasket Set, Add</i>	8.10	
			<i>For 150 LB Rating Teflon Gasket Set, Add</i>	32.53	
23 21	13 23-0582	EA	5" To 6" Diameter Pipe; Bolt, Nut And 150 LB Rubber Flange Gasket Set.....	39.10	
			Note: Includes rubber gasket, and eight (8) 3/4" diameter bolts with washer and nut.		
			<i>For 300 LB Rating Gasket Set, Add</i>	12.71	
			<i>For 150 LB Rating Teflon Gasket Set, Add</i>	51.03	
23 21	13 23-0583	EA	8" Diameter Pipe; Bolt, Nut And 150 LB Rubber Flange Gasket Set	42.06	
			Note: Includes rubber gasket, and eight (8) 3/4" diameter bolts with washer and nut.		
			<i>For 300 LB Rating Gasket Set, Add</i>	13.67	
			<i>For 150 LB Rating Teflon Gasket Set, Add</i>	54.89	
23 21	13 23-0584	EA	10" Diameter Pipe; Bolt, Nut And 150 LB Rubber Flange Gasket Set	85.76	
			Note: Includes rubber gasket, and twelve (12) 7/8" diameter bolts with washer and nut.		
			<i>For 300 LB Rating Gasket Set, Add</i>	27.87	
			<i>For 150 LB Rating Teflon Gasket Set, Add</i>	111.92	
23 21	13 23-0585	EA	12" Diameter Pipe; Bolt, Nut And 150 LB Rubber Flange Gasket Set	92.82	
			Note: Includes rubber gasket, and twelve (12) 7/8" diameter bolts with washer and nut.		
			<i>For 300 LB Rating Gasket Set, Add</i>	30.17	
			<i>For 150 LB Rating Teflon Gasket Set, Add</i>	121.13	
23 21	13 23-0586	EA	14" Diameter Pipe; Bolt, Nut And 150 LB Rubber Flange Gasket Set	131.64	
			Note: Includes rubber gasket, and twelve (12) 1" diameter bolts with washer and nut.		
			<i>For 300 LB Rating Gasket Set, Add</i>	42.78	
			<i>For 150 LB Rating Teflon Gasket Set, Add</i>	171.79	
23 21	13 23-0587	EA	16" Diameter Pipe; Bolt, Nut And 150 LB Rubber Flange Gasket Set	171.71	
			Note: Includes rubber gasket, and sixteen (16) 1" diameter bolts with washer and nut.		
			<i>For 300 LB Rating Gasket Set, Add</i>	55.81	
			<i>For 150 LB Rating Teflon Gasket Set, Add</i>	224.08	
23 21	13 23-0588	EA	18" Diameter Pipe; Bolt, Nut And 150 LB Rubber Flange Gasket Set	248.34	
			Note: Includes rubber gasket, and sixteen (16) 1-1/8" diameter bolts with washer and nut.		
			<i>For 300 LB Rating Gasket Set, Add</i>	80.71	
			<i>For 150 LB Rating Teflon Gasket Set, Add</i>	324.08	
23 21	13 23-0589	EA	20" Diameter Pipe; Bolt, Nut And 150 LB Rubber Flange Gasket Set	343.15	
			Note: Includes rubber gasket, and twenty (20) 1-1/8" diameter bolts with washer and nut.		
			<i>For 300 LB Rating Gasket Set, Add</i>	111.52	
			<i>For 150 LB Rating Teflon Gasket Set, Add</i>	447.81	
23 21	13 23-0590	EA	24" Diameter Pipe; Bolt, Nut And 150 LB Rubber Flange Gasket Set	428.93	
			Note: Includes rubber gasket, and twenty (20) 1-1/4" diameter bolts with washer and nut.		
			<i>For 300 LB Rating Gasket Set, Add</i>	139.40	
			<i>For 150 LB Rating Teflon Gasket Set, Add</i>	559.75	
23 21	13 23-0591	EA	30" Diameter Pipe; Bolt, Nut And 150 LB Rubber Flange Gasket Set	716.73	
			Note: Includes rubber gasket, and twenty-eight (28) 1-1/4" diameter bolts with washer and nut.		
			<i>For 300 LB Rating Gasket Set, Add</i>	232.94	
			<i>For 150 LB Rating Teflon Gasket Set, Add</i>	935.33	
23 21	13 23-0592	EA	36" Diameter Pipe; Bolt, Nut And 150 LB Rubber Flange Gasket Set	857.87	
			Note: Includes rubber gasket, and thirty-two (32) 1-1/2" diameter bolts with washer and nut.		
			<i>For 300 LB Rating Gasket Set, Add</i>	278.81	
			<i>For 150 LB Rating Teflon Gasket Set, Add</i>	1,119.52	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	23 21	13 23-0593		150 LB, Rubber Flange Gasket Replacement <small>(2321 13 23-0393)</small>		
				Note: Includes unbolting, removal of old gaskets, new 150 LB rubber gasket and rebolting.		
	23 21	13 23-0594	EA	1/2", 150 LB, Rubber Flange Gasket Replacement	30.85	
				For 300 LB Rating Gasket Set, Add	0.02	
				For 150 LB Rating Teflon Gasket Set, Add	0.54	
				For 300 LB Rating Teflon Gasket Set, Add	0.62	
				For Work In Restricted Working Space, Add	9.23	
	23 21	13 23-0595	EA	3/4", 150 LB, Rubber Flange Gasket Replacement	32.94	
				For 300 LB Rating Gasket Set, Add	0.04	
				For 150 LB Rating Teflon Gasket Set, Add	0.77	
				For 300 LB Rating Teflon Gasket Set, Add	0.89	
				For Work In Restricted Working Space, Add	9.85	
	23 21	13 23-0596	EA	1", 150 LB, Rubber Flange Gasket Replacement	36.08	
				For 300 LB Rating Gasket Set, Add	0.06	
				For 150 LB Rating Teflon Gasket Set, Add	1.31	
				For 300 LB Rating Teflon Gasket Set, Add	1.51	
				For Work In Restricted Working Space, Add	10.77	
	23 21	13 23-0597	EA	1-1/4", 150 LB, Rubber Flange Gasket Replacement	39.18	
				For 300 LB Rating Gasket Set, Add	0.07	
				For 150 LB Rating Teflon Gasket Set, Add	1.47	
				For 300 LB Rating Teflon Gasket Set, Add	1.69	
				For Work In Restricted Working Space, Add	11.70	
	23 21	13 23-0598	EA	1-1/2", 150 LB, Rubber Flange Gasket Replacement	43.33	
				For 300 LB Rating Gasket Set, Add	0.08	
				For 150 LB Rating Teflon Gasket Set, Add	1.86	
				For 300 LB Rating Teflon Gasket Set, Add	2.14	
				For Work In Restricted Working Space, Add	12.93	
	23 21	13 23-0599	EA	2", 150 LB, Rubber Flange Gasket Replacement	47.54	
				For 300 LB Rating Gasket Set, Add	0.12	
				For 150 LB Rating Teflon Gasket Set, Add	2.63	
				For 300 LB Rating Teflon Gasket Set, Add	3.03	
				For Work In Restricted Working Space, Add	14.16	
	23 21	13 23-0600	EA	2-1/2", 150 LB, Rubber Flange Gasket Replacement	55.86	
				For 300 LB Rating Gasket Set, Add	0.16	
				For 150 LB Rating Teflon Gasket Set, Add	3.56	
				For 300 LB Rating Teflon Gasket Set, Add	4.09	
				For Work In Restricted Working Space, Add	16.62	
	23 21	13 23-0601	EA	3", 150 LB, Rubber Flange Gasket Replacement	59.01	
				For 300 LB Rating Gasket Set, Add	0.19	
				For 150 LB Rating Teflon Gasket Set, Add	4.10	
				For 300 LB Rating Teflon Gasket Set, Add	4.72	
				For Work In Restricted Working Space, Add	17.54	
	23 21	13 23-0602	EA	4", 150 LB, Rubber Flange Gasket Replacement	77.83	
				For 300 LB Rating Gasket Set, Add	0.30	
				For 150 LB Rating Teflon Gasket Set, Add	6.73	
				For 300 LB Rating Teflon Gasket Set, Add	7.74	
				For Work In Restricted Working Space, Add	23.09	
	23 21	13 23-0603	EA	5", 150 LB, Rubber Flange Gasket Replacement	90.24	
				For 300 LB Rating Gasket Set, Add	0.34	
				For 150 LB Rating Teflon Gasket Set, Add	7.50	
				For 300 LB Rating Teflon Gasket Set, Add	8.63	
				For Work In Restricted Working Space, Add	26.78	
	23 21	13 23-0604	EA	6", 150 LB, Rubber Flange Gasket Replacement	102.83	
				For 300 LB Rating Gasket Set, Add	0.44	
				For 150 LB Rating Teflon Gasket Set, Add	9.74	
				For 300 LB Rating Teflon Gasket Set, Add	11.21	
				For Work In Restricted Working Space, Add	30.47	
	23 21	13 23-0605	EA	8", 150 LB, Rubber Flange Gasket Replacement	124.97	
				For 300 LB Rating Gasket Set, Add	0.64	
				For 150 LB Rating Teflon Gasket Set, Add	14.22	
				For 300 LB Rating Teflon Gasket Set, Add	16.38	
				For Work In Restricted Working Space, Add	36.94	
	23 21	13 23-0606	EA	10", 150 LB, Rubber Flange Gasket Replacement	133.94	
				For 300 LB Rating Gasket Set, Add	0.91	
				For 150 LB Rating Teflon Gasket Set, Add	20.18	
				For 300 LB Rating Teflon Gasket Set, Add	23.23	
				For Work In Restricted Working Space, Add	39.40	
	23 21	13 23-0607	EA	12", 150 LB, Rubber Flange Gasket Replacement	152.12	
				For 300 LB Rating Gasket Set, Add	1.17	
				For 150 LB Rating Teflon Gasket Set, Add	25.82	
				For 300 LB Rating Teflon Gasket Set, Add	29.73	
				For Work In Restricted Working Space, Add	44.63	
	23 21	13 23-0608	EA	14", 150 LB, Rubber Flange Gasket Replacement	157.90	
				For 300 LB Rating Gasket Set, Add	1.40	
				For 150 LB Rating Teflon Gasket Set, Add	30.84	
				For 300 LB Rating Teflon Gasket Set, Add	35.51	
				For Work In Restricted Working Space, Add	46.17	
	23 21	13 23-0609	EA	16", 150 LB, Rubber Flange Gasket Replacement	209.65	
				For 300 LB Rating Gasket Set, Add	1.56	
				For 150 LB Rating Teflon Gasket Set, Add	34.40	
				For 300 LB Rating Teflon Gasket Set, Add	39.61	
				For Work In Restricted Working Space, Add	61.56	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 20 HVAC Piping And Pumps****23 21 Hydronic Piping And Pumps**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0610 EA 18", 150 LB, Rubber Flange Gasket Replacement	229.33	
For 300 LB Rating Gasket Set, Add	1.62	
For 150 LB Rating Teflon Gasket Set, Add	35.87	
For 300 LB Rating Teflon Gasket Set, Add	41.30	
For Work In Restricted Working Space, Add	67.41	
23 21 13 23-0611 EA 20", 150 LB, Rubber Flange Gasket Replacement	278.91	
For 300 LB Rating Gasket Set, Add	1.74	
For 150 LB Rating Teflon Gasket Set, Add	38.50	
For 300 LB Rating Teflon Gasket Set, Add	44.32	
For Work In Restricted Working Space, Add	82.18	
23 21 13 23-0612 Cut And Prepare For Welding Existing In-Place Black Steel Pipe <small>(23 21 13 23-0393)</small>		
Note: For use when connecting pipe to an existing in-place system.		
23 21 13 23-0613 EA 1/2", Cut And Prepare For Welding Existing In Place Black Steel Pipe	22.29	
For Work In Restricted Working Space, Add	6.69	
23 21 13 23-0614 EA 3/4", Cut And Prepare For Welding Existing In Place Black Steel Pipe	24.07	
For Work In Restricted Working Space, Add	7.22	
23 21 13 23-0615 EA 1", Cut And Prepare For Welding Existing In Place Black Steel Pipe	27.08	
For Work In Restricted Working Space, Add	8.12	
23 21 13 23-0616 EA 1-1/4", Cut And Prepare For Welding Existing In Place Black Steel Pipe	28.42	
For Work In Restricted Working Space, Add	8.53	
23 21 13 23-0617 EA 1-1/2", Cut And Prepare For Welding Existing In Place Black Steel Pipe	30.09	
For Work In Restricted Working Space, Add	9.03	
23 21 13 23-0618 EA 2", Cut And Prepare For Welding Existing In Place Black Steel Pipe	32.31	
For Work In Restricted Working Space, Add	9.69	
23 21 13 23-0619 EA 2-1/2", Cut And Prepare For Welding Existing In Place Black Steel Pipe	34.55	
For Work In Restricted Working Space, Add	10.37	
23 21 13 23-0620 EA 3", Cut And Prepare For Welding Existing In Place Black Steel Pipe	37.89	
For Work In Restricted Working Space, Add	11.37	
23 21 13 23-0621 EA 4", Cut And Prepare For Welding Existing In Place Black Steel Pipe	41.23	
For Work In Restricted Working Space, Add	12.37	
23 21 13 23-0622 EA 6", Cut And Prepare For Welding Existing In Place Black Steel Pipe	44.57	
For Work In Restricted Working Space, Add	13.37	
23 21 13 23-0623 EA 8", Cut And Prepare For Welding Existing In Place Black Steel Pipe	47.92	
For Work In Restricted Working Space, Add	14.38	
23 21 13 23-0624 EA 10", Cut And Prepare For Welding Existing In Place Black Steel Pipe	52.38	
For Work In Restricted Working Space, Add	15.71	
23 21 13 23-0625 EA 12", Cut And Prepare For Welding Existing In Place Black Steel Pipe	56.83	
For Work In Restricted Working Space, Add	17.05	
23 21 13 23-0626 EA 14", Cut And Prepare For Welding Existing In Place Black Steel Pipe	61.28	
For Work In Restricted Working Space, Add	18.38	
23 21 13 23-0627 EA 16", Cut And Prepare For Welding Existing In Place Black Steel Pipe	65.74	
For Work In Restricted Working Space, Add	19.72	
23 21 13 23-0628 EA 18", Cut And Prepare For Welding Existing In Place Black Steel Pipe	69.09	
For Work In Restricted Working Space, Add	20.73	
23 21 13 23-0629 EA 20", Cut And Prepare For Welding Existing In Place Black Steel Pipe	72.43	
For Work In Restricted Working Space, Add	21.73	
23 21 13 23-0630 EA 24", Cut And Prepare For Welding Existing In Place Black Steel Pipe	76.89	
For Work In Restricted Working Space, Add	23.07	
23 21 13 23-0631 Welded Plain End Electric Resistance Black Steel Pipe <small>(23 21 13 23-0393)</small>		
Note: ASTM A-135.		
23 21 13 23-0632 LF 2" Electric Resistance Weld Black Pipe, Plain End Schedule 40 ASTM A-135, Not Including Hangers Or Fittings	21.09	11.40
For Work In Restricted Working Space, Add	5.60	
23 21 13 23-0633 LF 2-1/2" Electric Resistance Weld Black Pipe, Plain End Schedule 40 ASTM A-135, Not Including Hangers Or Fittings	22.40	12.44
For Work In Restricted Working Space, Add	5.60	
23 21 13 23-0634 LF 3" Electric Resistance Weld Black Pipe, Plain End Schedule 40 ASTM A-135, Not Including Hangers Or Fittings	22.92	12.23
For Work In Restricted Working Space, Add	5.49	
23 21 13 23-0635 LF 4" Electric Resistance Weld Black Pipe, Plain End Schedule 40 ASTM A-135, Not Including Hangers Or Fittings	28.90	15.54
For Work In Restricted Working Space, Add	6.99	
23 21 13 23-0636 LF 6" Electric Resistance Weld Black Pipe, Plain End Schedule 40 ASTM A-135, Not Including Hangers Or Fittings	45.31	23.01
For Work In Restricted Working Space, Add	10.34	
23 21 13 23-0637 LF 8.322" Electric Resistance Weld Black Pipe, Plain End Schedule 40 ASTM A-135, Not Including Hangers Or Fittings	53.97	25.76
For Work In Restricted Working Space, Add	11.61	
23 21 13 23-0638 LF 10.365" Electric Resistance Weld Black Pipe, Plain End Schedule 40 ASTM A-135, Not Including Hangers Or Fittings	70.82	32.08
For Work In Restricted Working Space, Add	14.44	
23 21 13 23-0639 LF 12.375" Electric Resistance Weld Black Pipe, Plain End Schedule 40 ASTM A-135, Not Including Hangers Or Fittings	85.75	38.69
For Work In Restricted Working Space, Add	17.40	
23 21 13 23-0640 LF 14.375" Electric Resistance Weld Black Pipe, Plain End Schedule 40 ASTM A-135, Not Including Hangers Or Fittings	110.11	50.20
For Work In Restricted Working Space, Add	22.58	
23 21 13 23-0641 Flanged Steel Fittings <small>(23 21 13 23)</small>		
See CSI section 23 21 13 23-0394 for steel pipe, 23 21 13 23-0525 for welded neck flange ends.		
23 21 13 23-0642 Flanged Steel Fittings, Standard Weight <small>(23 21 13 23-0641)</small>		
Note: Flanged equipment, flanged fittings and flanged valves exclude bolt and gasket sets. See CSI section 23 21 13 23-0576 for gaskets.		



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	23 21	13 23-0643		Flanged Steel, 90 Degree Elbows <small>(23 21 13 23-0642)</small>		
	23 21	13 23-0644	EA	2" Standard Weight, Flanged Steel, 90 Degree Elbow	429.25	47.89
				<i>For Galvanized Fittings, Add</i>	285.96	
				<i>For Extra Heavy Weight Fittings, Add</i>	428.94	
	23 21	13 23-0645	EA	2-1/2" Standard Weight, Flanged Steel, 90 Degree Elbow	478.76	53.33
				<i>For Galvanized Fittings, Add</i>	319.01	
				<i>For Extra Heavy Weight Fittings, Add</i>	478.51	
	23 21	13 23-0646	EA	3" Standard Weight, Flanged Steel, 90 Degree Elbow	476.18	58.87
				<i>For Galvanized Fittings, Add</i>	310.38	
				<i>For Extra Heavy Weight Fittings, Add</i>	465.58	
	23 21	13 23-0647	EA	4" Standard Weight, Flanged Steel, 90 Degree Elbow	603.71	68.41
				<i>For Galvanized Fittings, Add</i>	400.92	
				<i>For Extra Heavy Weight Fittings, Add</i>	601.38	
	23 21	13 23-0648	EA	5" Standard Weight, Flanged Steel, 90 Degree Elbow	842.35	76.61
				<i>For Galvanized Fittings, Add</i>	581.98	
				<i>For Extra Heavy Weight Fittings, Add</i>	872.96	
	23 21	13 23-0649	EA	6" Standard Weight, Flanged Steel, 90 Degree Elbow	891.34	88.92
				<i>For Galvanized Fittings, Add</i>	606.41	
				<i>For Extra Heavy Weight Fittings, Add</i>	909.61	
	23 21	13 23-0650	EA	8" Standard Weight, Flanged Steel, 90 Degree Elbow	1,129.67	98.46
				<i>For Galvanized Fittings, Add</i>	785.58	
				<i>For Extra Heavy Weight Fittings, Add</i>	1,178.38	
	23 21	13 23-0651		Flanged Steel, Reducing 90 Degree Elbows <small>(23 21 13 23-0642)</small>		
	23 21	13 23-0652	EA	2-1/2" x 2" Standard Weight, Flanged Steel, Reducing 90 Degree Elbow	797.98	50.67
				<i>For Galvanized Fittings, Add</i>	577.66	
				<i>For Extra Heavy Weight Fittings, Add</i>	866.50	
	23 21	13 23-0653	EA	3" x 2-1/2" Standard Weight, Flanged Steel, Reducing 90 Degree Elbow	831.33	56.11
				<i>For Galvanized Fittings, Add</i>	597.78	
				<i>For Extra Heavy Weight Fittings, Add</i>	896.68	
	23 21	13 23-0654	EA	4" x 3" Standard Weight, Flanged Steel, Reducing 90 Degree Elbow	1,034.81	63.59
				<i>For Galvanized Fittings, Add</i>	751.54	
				<i>For Extra Heavy Weight Fittings, Add</i>	1,127.32	
	23 21	13 23-0655	EA	5" x 3" Standard Weight, Flanged Steel, Reducing 90 Degree Elbow	1,279.85	67.69
				<i>For Galvanized Fittings, Add</i>	942.66	
				<i>For Extra Heavy Weight Fittings, Add</i>	1,413.98	
	23 21	13 23-0656	EA	6" x 4" Standard Weight, Flanged Steel, Reducing 90 Degree Elbow	1,457.93	78.66
				<i>For Galvanized Fittings, Add</i>	1,071.98	
				<i>For Extra Heavy Weight Fittings, Add</i>	1,607.98	
	23 21	13 23-0657	EA	8" x 6" Standard Weight, Flanged Steel, Reducing 90 Degree Elbow	2,031.94	93.74
				<i>For Galvanized Fittings, Add</i>	1,513.14	
				<i>For Extra Heavy Weight Fittings, Add</i>	2,269.72	
	23 21	13 23-0658		Flanged Steel, 45 Degree Elbows <small>(23 21 13 23-0642)</small>		
	23 21	13 23-0659	EA	2" Standard Weight, Flanged Steel, 45 Degree Elbow	558.58	47.89
				<i>For Galvanized Fittings, Add</i>	389.42	
				<i>For Extra Heavy Weight Fittings, Add</i>	584.14	
	23 21	13 23-0660	EA	2-1/2" Standard Weight, Flanged Steel, 45 Degree Elbow	582.94	53.33
				<i>For Galvanized Fittings, Add</i>	402.35	
				<i>For Extra Heavy Weight Fittings, Add</i>	603.53	
	23 21	13 23-0661	EA	3" Standard Weight, Flanged Steel, 45 Degree Elbow	605.51	58.87
				<i>For Galvanized Fittings, Add</i>	413.85	
				<i>For Extra Heavy Weight Fittings, Add</i>	620.77	
	23 21	13 23-0662	EA	4" Standard Weight, Flanged Steel, 45 Degree Elbow	754.59	68.41
				<i>For Galvanized Fittings, Add</i>	521.62	
				<i>For Extra Heavy Weight Fittings, Add</i>	782.44	
	23 21	13 23-0663	EA	5" Standard Weight, Flanged Steel, 45 Degree Elbow	1,086.64	76.61
				<i>For Galvanized Fittings, Add</i>	777.41	
				<i>For Extra Heavy Weight Fittings, Add</i>	1,166.11	
	23 21	13 23-0664	EA	6" Standard Weight, Flanged Steel, 45 Degree Elbow	1,060.18	88.92
				<i>For Galvanized Fittings, Add</i>	741.48	
				<i>For Extra Heavy Weight Fittings, Add</i>	1,112.22	
	23 21	13 23-0665	EA	8" Standard Weight, Flanged Steel, 45 Degree Elbow	1,249.92	98.46
				<i>For Galvanized Fittings, Add</i>	881.78	
				<i>For Extra Heavy Weight Fittings, Add</i>	1,322.68	
	23 21	13 23-0666		Flanged Steel, Tees <small>(23 21 13 23-0642)</small>		
	23 21	13 23-0667	EA	2" Standard Weight, Flanged Steel, Tee	551.36	71.80
				<i>For Galvanized Fittings, Add</i>	354.94	
				<i>For Extra Heavy Weight Fittings, Add</i>	532.40	
	23 21	13 23-0668	EA	2-1/2" Standard Weight, Flanged Steel, Tee	710.95	80.00
				<i>For Galvanized Fittings, Add</i>	472.77	
				<i>For Extra Heavy Weight Fittings, Add</i>	709.15	
	23 21	13 23-0669	EA	3" Standard Weight, Flanged Steel, Tee	649.63	88.20
				<i>For Galvanized Fittings, Add</i>	413.86	
				<i>For Extra Heavy Weight Fittings, Add</i>	620.78	
	23 21	13 23-0670	EA	4" Standard Weight, Flanged Steel, Tee	926.20	102.66
				<i>For Galvanized Fittings, Add</i>	617.89	
				<i>For Extra Heavy Weight Fittings, Add</i>	926.83	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 20 HVAC Piping And Pumps****23 21 Hydronic Piping And Pumps**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21	13 23-0671	EA	5" Standard Weight, Flanged Steel, Tee..... <i>For Galvanized Fittings, Add</i> <i>For Extra Heavy Weight Fittings, Add</i>	1,372.85 960.43 1,440.65	114.98
23 21	13 23-0672	EA	6" Standard Weight, Flanged Steel, Tee..... <i>For Galvanized Fittings, Add</i> <i>For Extra Heavy Weight Fittings, Add</i>	1,674.93 1,179.95 1,769.93	133.43
23 21	13 23-0673	EA	8" Standard Weight, Flanged Steel, Tee..... <i>For Galvanized Fittings, Add</i> <i>For Extra Heavy Weight Fittings, Add</i>	1,855.07 1,298.62 1,947.94	154.56
23 21	13 23-0674		Flanged Steel, Reducing Tees (23 21 13 23-0642)		
23 21	13 23-0675	EA	2-1/2" Standard Weight, Flanged Steel, Reducing Tee..... <i>For Galvanized Fittings, Add</i> <i>For Extra Heavy Weight Fittings, Add</i>	868.51 602.10 903.14	77.33
23 21	13 23-0676	EA	3" Standard Weight, Flanged Steel, Reducing Tee..... <i>For Galvanized Fittings, Add</i> <i>For Extra Heavy Weight Fittings, Add</i>	1,002.97 699.81 1,049.71	85.54
23 21	13 23-0677	EA	4" Standard Weight, Flanged Steel, Reducing Tee..... <i>For Galvanized Fittings, Add</i> <i>For Extra Heavy Weight Fittings, Add</i>	1,721.84 1,260.14 1,890.22	97.85
23 21	13 23-0678	EA	5" Standard Weight, Flanged Steel, Reducing Tee..... <i>For Galvanized Fittings, Add</i> <i>For Extra Heavy Weight Fittings, Add</i>	1,861.58 1,356.34 2,034.50	110.87
23 21	13 23-0679	EA	6" Standard Weight, Flanged Steel, Reducing Tee..... <i>For Galvanized Fittings, Add</i> <i>For Extra Heavy Weight Fittings, Add</i>	2,339.11 1,718.67 2,578.01	127.28
23 21	13 23-0680	EA	8" Standard Weight, Flanged Steel, Reducing Tee..... <i>For Galvanized Fittings, Add</i> <i>For Extra Heavy Weight Fittings, Add</i>	2,919.47 2,164.10 3,246.14	142.97
23 21	13 23-0681		Flanged Steel, Concentric Reducers (23 21 13 23-0642)		
23 21	13 23-0682	EA	3" x 2-1/2" Standard Weight, Flanged Steel, Concentric Reducer..... <i>For Galvanized Fittings, Add</i> <i>For Extra Heavy Weight Fittings, Add</i>	820.55 589.16 883.74	56.11
23 21	13 23-0683	EA	4" x 3" Standard Weight, Flanged Steel, Concentric Reducer..... <i>For Galvanized Fittings, Add</i> <i>For Extra Heavy Weight Fittings, Add</i>	932.42 669.63 1,004.45	63.59
23 21	13 23-0684	EA	5" x 4" Standard Weight, Flanged Steel, Concentric Reducer..... <i>For Galvanized Fittings, Add</i> <i>For Extra Heavy Weight Fittings, Add</i>	1,382.23 1,018.82 1,528.22	72.51
23 21	13 23-0685	EA	6" x 4" Standard Weight, Flanged Steel, Concentric Reducer..... <i>For Galvanized Fittings, Add</i> <i>For Extra Heavy Weight Fittings, Add</i>	1,524.40 1,125.16 1,687.74	78.66
23 21	13 23-0686	EA	8" x 6" Standard Weight, Flanged Steel, Concentric Reducer..... <i>For Galvanized Fittings, Add</i> <i>For Extra Heavy Weight Fittings, Add</i>	1,785.85 1,316.27 1,974.41	93.74
23 21	13 23-0687		Flanged Steel, Eccentric Reducers (23 21 13 23-0642)		
23 21	13 23-0688	EA	4" x 3" Standard Weight, Flanged Steel, Eccentric Reducer..... <i>For Galvanized Fittings, Add</i> <i>For Extra Heavy Weight Fittings, Add</i>	1,085.10 791.78 1,187.66	63.59
23 21	13 23-0689	EA	5" x 4" Standard Weight, Flanged Steel, Eccentric Reducer..... <i>For Galvanized Fittings, Add</i> <i>For Extra Heavy Weight Fittings, Add</i>	1,479.23 1,096.42 1,644.62	72.51
23 21	13 23-0690		Plain End Couplings And Fittings (23 21 13 23)		
			Note: For use on standard weight steel pipe (Schedule 40), but may be used on lightwall steel or other metallic pipe such as aluminum or stainless steel.		
23 21	13 23-0691		Plain End Piping System Couplings (23 21 13 23-0690)		
23 21	13 23-0692		Plainlock Plain End Piping System Couplings (23 21 13 23-0691)		
			Note: Ductile iron body with gasket, bolts and nuts.		
23 21	13 23-0693	EA	1" Plainlock Plain End Piping System Coupling..... <i>For Galvanized Fittings, Add</i>	107.32 19.62	6.15
23 21	13 23-0694	EA	1-1/2" Plainlock Plain End Piping System Coupling..... <i>For Galvanized Fittings, Add</i>	110.90 19.62	8.51
23 21	13 23-0695	EA	2" Plainlock Plain End Piping System Coupling..... <i>For Galvanized Fittings, Add</i>	115.06 19.62	11.28
23 21	13 23-0696	EA	2-1/2" Plainlock Plain End Piping System Coupling..... <i>For Galvanized Fittings, Add</i>	118.60 19.62	13.64
23 21	13 23-0697	EA	3" Plainlock Plain End Piping System Coupling..... <i>For Galvanized Fittings, Add</i>	140.37 23.15	16.41
23 21	13 23-0698	EA	4" Plainlock Plain End Piping System Coupling..... <i>For Galvanized Fittings, Add</i>	193.20 32.08	21.85
23 21	13 23-0699	EA	6" Plainlock Plain End Piping System Coupling..... <i>For Galvanized Fittings, Add</i>	324.14 54.16	35.59
23 21	13 23-0700		Roost-A-Bout Plain End Piping System Couplings (23 21 13 23-0691)		
			Note: Ductile iron body with gasket, bolts and nuts.		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0701 EA 1-1/2" Roust-A-Bout Plain End Piping System Coupling..... <i>For Galvanized Fittings, Add</i>	129.95 29.28	8.51
23 21 13 23-0702 EA 2" Roust-A-Bout Plain End Piping System Coupling..... <i>For Galvanized Fittings, Add</i>	134.11 29.28	11.28
23 21 13 23-0703 EA 2-1/2" Roust-A-Bout Plain End Piping System Coupling..... <i>For Galvanized Fittings, Add</i>	137.66 29.28	13.74
23 21 13 23-0704 EA 3" Roust-A-Bout Plain End Piping System Coupling..... <i>For Galvanized Fittings, Add</i>	198.10 43.38	16.41
23 21 13 23-0705 EA 3-1/2" Roust-A-Bout Plain End Piping System Coupling..... <i>For Galvanized Fittings, Add</i>	229.53 50.20	19.18
23 21 13 23-0706 EA 4" Roust-A-Bout Plain End Piping System Coupling..... <i>For Galvanized Fittings, Add</i>	233.59 50.20	21.85
23 21 13 23-0707 EA 5" Roust-A-Bout Plain End Piping System Coupling..... <i>For Galvanized Fittings, Add</i>	327.92 71.72	27.38
23 21 13 23-0708 EA 6" Roust-A-Bout Plain End Piping System Coupling..... <i>For Galvanized Fittings, Add</i>	403.69 87.59	35.59
23 21 13 23-0709 EA 8" Roust-A-Bout Plain End Piping System Coupling..... <i>For Galvanized Fittings, Add</i>	684.90 155.31	42.46
23 21 13 23-0710 EA 10" Roust-A-Bout Plain End Piping System Coupling..... <i>For Galvanized Fittings, Add</i>	883.65 202.06	50.25
23 21 13 23-0711 EA 12" Roust-A-Bout Plain End Piping System Coupling..... <i>For Galvanized Fittings, Add</i>	1,103.39 253.54	59.48
23 21 13 23-0712 EA 14" Roust-A-Bout Plain End Piping System Coupling..... <i>For Galvanized Fittings, Add</i>	1,538.74 360.03	65.75
23 21 13 23-0713 EA 16" Roust-A-Bout Plain End Piping System Coupling..... <i>For Galvanized Fittings, Add</i>	2,083.61 493.03	74.36
23 21 13 23-0714 Plain End Piping System Fittings (2321 13 23-0690) Note: Cast ductile iron bodies.		
23 21 13 23-0715 Plain End Piping System, 90 Degree Elbows (2321 13 23-0714)		
23 21 13 23-0716 EA 1" Plain End Piping System, 90 Degree Elbow..... <i>For Galvanized Fittings, Add</i>	109.35 18.52	11.18
23 21 13 23-0717 EA 1-1/2" Plain End Piping System, 90 Degree Elbow..... <i>For Galvanized Fittings, Add</i>	117.97 18.52	16.92
23 21 13 23-0718 EA 2" Plain End Piping System, 90 Degree Elbow..... <i>For Galvanized Fittings, Add</i>	126.11 18.52	22.36
23 21 13 23-0719 EA 2-1/2" Plain End Piping System, 90 Degree Elbow..... <i>For Galvanized Fittings, Add</i>	133.42 18.52	27.28
23 21 13 23-0720 EA 3" Plain End Piping System, 90 Degree Elbow..... <i>For Galvanized Fittings, Add</i>	160.71 22.24	33.02
23 21 13 23-0721 EA 4" Plain End Piping System, 90 Degree Elbow..... <i>For Galvanized Fittings, Add</i>	227.42 32.44	43.49
23 21 13 23-0722 EA 5" Plain End Piping System, 90 Degree Elbow..... <i>For Galvanized Fittings, Add</i>	643.02 112.27	54.46
23 21 13 23-0723 EA 6" Plain End Piping System, 90 Degree Elbow..... <i>For Galvanized Fittings, Add</i>	553.20 89.27	71.29
23 21 13 23-0724 EA 8" Plain End Piping System, 90 Degree Elbow..... <i>For Galvanized Fittings, Add</i>	1,069.70 188.55	84.62
23 21 13 23-0725 EA 10" Plain End Piping System, 90 Degree Elbow..... <i>For Galvanized Fittings, Add</i>	1,333.13 236.98	98.87
23 21 13 23-0726 EA 12" Plain End Piping System, 90 Degree Elbow..... <i>For Galvanized Fittings, Add</i>	1,686.74 301.74	118.77
23 21 13 23-0727 Plain End Piping System, 45 Degree Elbows (2321 13 23-0714)		
23 21 13 23-0728 EA 1" Plain End Piping System, 45 Degree Elbow..... <i>For Galvanized Fittings, Add</i>	109.35 18.52	11.18
23 21 13 23-0729 EA 1-1/2" Plain End Piping System, 45 Degree Elbow..... <i>For Galvanized Fittings, Add</i>	117.97 18.52	16.92
23 21 13 23-0730 EA 2" Plain End Piping System, 45 Degree Elbow..... <i>For Galvanized Fittings, Add</i>	126.11 18.52	22.36
23 21 13 23-0731 EA 2-1/2" Plain End Piping System, 45 Degree Elbow..... <i>For Galvanized Fittings, Add</i>	133.42 18.52	27.28
23 21 13 23-0732 EA 3" Plain End Piping System, 45 Degree Elbow..... <i>For Galvanized Fittings, Add</i>	160.71 22.24	33.02
23 21 13 23-0733 EA 4" Plain End Piping System, 45 Degree Elbow..... <i>For Galvanized Fittings, Add</i>	227.42 32.44	43.49
23 21 13 23-0734 EA 5" Plain End Piping System, 45 Degree Elbow..... <i>For Galvanized Fittings, Add</i>	643.02 112.27	54.46
23 21 13 23-0735 EA 6" Plain End Piping System, 45 Degree Elbow..... <i>For Galvanized Fittings, Add</i>	554.92 89.62	71.29
23 21 13 23-0736 EA 8" Plain End Piping System, 45 Degree Elbow..... <i>For Galvanized Fittings, Add</i>	644.95 103.60	84.62
23 21 13 23-0737 EA 10" Plain End Piping System, 45 Degree Elbow..... <i>For Galvanized Fittings, Add</i>	871.14 144.59	98.87
23 21 13 23-0738 EA 12" Plain End Piping System, 45 Degree Elbow..... <i>For Galvanized Fittings, Add</i>	1,111.99 186.79	118.77
23 21 13 23-0739 Plain End Piping System, Tees (2321 13 23-0714)		
23 21 13 23-0740 EA 1" Plain End Piping System, Tee..... <i>For Galvanized Fittings, Add</i>	150.06 24.94	16.92

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 20 HVAC Piping And Pumps****23 21 Hydronic Piping And Pumps**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0741 EA 1-1/2" Plain End Piping System, Tee	162.78	25.43
For Galvanized Fittings, Add	24.94	
23 21 13 23-0742 EA 2" Plain End Piping System, Tee	173.99	32.92
For Galvanized Fittings, Add	24.94	
23 21 13 23-0743 EA 2-1/2" Plain End Piping System, Tee	185.15	40.30
For Galvanized Fittings, Add	24.94	
23 21 13 23-0744 EA 3" Plain End Piping System, Tee	253.74	49.54
For Galvanized Fittings, Add	35.88	
23 21 13 23-0745 EA 4" Plain End Piping System, Tee	345.57	64.10
For Galvanized Fittings, Add	49.91	
23 21 13 23-0746 EA 5" Plain End Piping System, Tee	673.83	83.79
For Galvanized Fittings, Add	109.63	
23 21 13 23-0747 EA 6" Plain End Piping System, Tee	833.82	104.92
For Galvanized Fittings, Add	135.30	
23 21 13 23-0748 EA 8" Plain End Piping System, Tee	1,128.72	127.59
For Galvanized Fittings, Add	187.47	
23 21 13 23-0749 EA 10" Plain End Piping System, Tee	1,654.41	148.71
For Galvanized Fittings, Add	286.29	
23 21 13 23-0750 EA 12" Plain End Piping System, Tee	2,203.52	178.15
For Galvanized Fittings, Add	387.29	
23 21 13 23-0751 Plain End Piping System, Reducing Tees (23 21 13 23-0714)		
23 21 13 23-0752 EA 1-1/2" Plain End Piping System, Reducing Tee	287.32	27.28
For Galvanized Fittings, Add	49.29	
23 21 13 23-0753 EA 2" Plain End Piping System, Reducing Tee	295.75	32.92
For Galvanized Fittings, Add	49.29	
23 21 13 23-0754 EA 2-1/2" Plain End Piping System, Reducing Tee	306.91	40.30
For Galvanized Fittings, Add	49.29	
23 21 13 23-0755 EA 3" Plain End Piping System, Reducing Tee	320.76	49.54
For Galvanized Fittings, Add	49.29	
23 21 13 23-0756 EA 4" Plain End Piping System, Reducing Tee	459.87	64.10
For Galvanized Fittings, Add	72.77	
23 21 13 23-0757 EA 6" Plain End Piping System, Reducing Tee	775.13	104.92
For Galvanized Fittings, Add	123.56	
23 21 13 23-0758 EA 8" Plain End Piping System, Reducing Tee	1,004.98	127.59
For Galvanized Fittings, Add	162.73	
23 21 13 23-0759 EA 10" Plain End Piping System, Reducing Tee	1,477.30	148.71
For Galvanized Fittings, Add	250.87	
23 21 13 23-0760 EA 12" Plain End Piping System, Reducing Tee	2,152.84	178.15
For Galvanized Fittings, Add	377.15	
23 21 13 23-0761 Plain End Piping System, Wyes (23 21 13 23-0714)		
23 21 13 23-0762 EA 2" Plain End Piping System, Wye	414.51	32.92
For Galvanized Fittings, Add	73.04	
23 21 13 23-0763 EA 2-1/2" Plain End Piping System, Wye	425.67	40.30
For Galvanized Fittings, Add	73.04	
23 21 13 23-0764 EA 3" Plain End Piping System, Wye	484.83	49.54
For Galvanized Fittings, Add	82.10	
23 21 13 23-0765 EA 4" Plain End Piping System, Wye	705.36	64.10
For Galvanized Fittings, Add	121.86	
23 21 13 23-0766 EA 5" Plain End Piping System, Wye	867.16	83.79
For Galvanized Fittings, Add	148.29	
23 21 13 23-0767 EA 6" Plain End Piping System, Wye	1,178.34	104.92
For Galvanized Fittings, Add	204.21	
23 21 13 23-0768 EA 8" Plain End Piping System, Wye	1,513.65	127.59
For Galvanized Fittings, Add	264.46	
23 21 13 23-0769 EA 10" Plain End Piping System, Wye	2,172.86	148.71
For Galvanized Fittings, Add	389.98	
23 21 13 23-0770 EA 12" Plain End Piping System, Wye	3,273.03	178.15
For Galvanized Fittings, Add	601.19	
23 21 13 23-0771 Plain End Piping System, Laterals (23 21 13 23-0714)		
23 21 13 23-0772 EA 2" Plain End Piping System, Lateral	440.34	32.92
For Galvanized Fittings, Add	78.21	
23 21 13 23-0773 EA 2-1/2" Plain End Piping System, Lateral	451.50	40.30
For Galvanized Fittings, Add	78.21	
23 21 13 23-0774 EA 3" Plain End Piping System, Lateral	510.48	49.54
For Galvanized Fittings, Add	87.23	
23 21 13 23-0775 EA 4" Plain End Piping System, Lateral	754.36	64.10
For Galvanized Fittings, Add	131.66	
23 21 13 23-0776 EA 5" Plain End Piping System, Lateral	983.86	83.79
For Galvanized Fittings, Add	171.63	
23 21 13 23-0777 EA 6" Plain End Piping System, Lateral	1,253.42	104.92
For Galvanized Fittings, Add	219.22	
23 21 13 23-0778 EA 8" Plain End Piping System, Lateral	1,789.44	127.59
For Galvanized Fittings, Add	319.62	
23 21 13 23-0779 EA 10" Plain End Piping System, Lateral	2,478.85	148.71
For Galvanized Fittings, Add	451.18	
23 21 13 23-0780 EA 12" Plain End Piping System, Lateral	3,318.51	178.15
For Galvanized Fittings, Add	610.28	



	MINOR CSI UOM DESCRIPTION		TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0781 Plain End Piping System, Crosses <small>(23 21 13 23-0714)</small>				
23 21 13 23-0782	EA 2" Plain End Piping System, Cross	.....	498.47	49.33
	<i>For Galvanized Fittings, Add</i>		53.07	
23 21 13 23-0783	EA 2-1/2" Plain End Piping System, Cross	.....	515.19	60.41
	<i>For Galvanized Fittings, Add</i>		53.07	
23 21 13 23-0784	EA 3" Plain End Piping System, Cross	.....	603.93	74.36
	<i>For Galvanized Fittings, Add</i>		61.56	
23 21 13 23-0785	EA 4" Plain End Piping System, Cross	.....	820.56	96.10
	<i>For Galvanized Fittings, Add</i>		84.56	
23 21 13 23-0786	EA 5" Plain End Piping System, Cross	.....	1,149.41	125.74
	<i>For Galvanized Fittings, Add</i>		120.11	
23 21 13 23-0787	EA 6" Plain End Piping System, Cross	.....	1,504.00	156.92
	<i>For Galvanized Fittings, Add</i>		158.60	
23 21 13 23-0788	EA 8" Plain End Piping System, Cross	.....	1,912.58	190.05
	<i>For Galvanized Fittings, Add</i>		203.46	
23 21 13 23-0789	EA 10" Plain End Piping System, Cross	.....	2,707.90	222.15
	<i>For Galvanized Fittings, Add</i>		296.86	
23 21 13 23-0790	EA 12" Plain End Piping System, Cross	.....	3,825.06	267.28
	<i>For Galvanized Fittings, Add</i>		428.05	
23 21 13 23-0791 Plain End Piping System, Adapter Nipples <small>(23 21 13 23-0714)</small>				
	Note: Plain to threaded, plain to beveled or plain to grooved.			
23 21 13 23-0792	EA 1" Plain End Piping System, Adapter Nipple	.....	21.91	6.15
	<i>For Galvanized Fittings, Add</i>		3.17	
23 21 13 23-0793	EA 1-1/2" Plain End Piping System, Adapter Nipple	.....	25.85	8.51
	<i>For Galvanized Fittings, Add</i>		3.26	
23 21 13 23-0794	EA 2" Plain End Piping System, Adapter Nipple	.....	29.90	11.28
	<i>For Galvanized Fittings, Add</i>		3.26	
23 21 13 23-0795	EA 2-1/2" Plain End Piping System, Adapter Nipple	.....	35.77	13.64
	<i>For Galvanized Fittings, Add</i>		3.82	
23 21 13 23-0796	EA 3" Plain End Piping System, Adapter Nipple	.....	43.47	16.41
	<i>For Galvanized Fittings, Add</i>		4.72	
23 21 13 23-0797	EA 4" Plain End Piping System, Adapter Nipple	.....	64.35	21.85
	<i>For Galvanized Fittings, Add</i>		7.88	
23 21 13 23-0798	EA 6" Plain End Piping System, Adapter Nipple	.....	126.31	27.38
	<i>For Galvanized Fittings, Add</i>		21.32	
23 21 13 23-0799 Plain End Piping System, Reducing (Swaged) Nipples <small>(23 21 13 23-0714)</small>				
23 21 13 23-0800	EA 1-1/2" x 1" Plain End Piping System, Reducing (Swaged) Nipple	.....	64.65	14.67
	<i>For Galvanized Fittings, Add</i>		10.65	
23 21 13 23-0801	EA 2" x 1" Plain End Piping System, Reducing (Swaged) Nipple	.....	68.77	17.43
	<i>For Galvanized Fittings, Add</i>		10.65	
23 21 13 23-0802	EA 2" x 1-1/2" Plain End Piping System, Reducing (Swaged) Nipple	.....	72.91	20.21
	<i>For Galvanized Fittings, Add</i>		10.65	
23 21 13 23-0803	EA 2-1/2" x 1" Plain End Piping System, Reducing (Swaged) Nipple	.....	71.90	19.59
	<i>For Galvanized Fittings, Add</i>		10.65	
23 21 13 23-0804	EA 2-1/2" x 1-1/2" Plain End Piping System, Reducing (Swaged) Nipple	.....	75.95	22.26
	<i>For Galvanized Fittings, Add</i>		10.65	
23 21 13 23-0805	EA 2-1/2" x 2" Plain End Piping System, Reducing (Swaged) Nipple	.....	80.03	24.92
	<i>For Galvanized Fittings, Add</i>		10.65	
23 21 13 23-0806	EA 3" x 1" Plain End Piping System, Reducing (Swaged) Nipple	.....	85.67	22.56
	<i>For Galvanized Fittings, Add</i>		12.97	
23 21 13 23-0807	EA 3" x 1-1/2" Plain End Piping System, Reducing (Swaged) Nipple	.....	89.32	24.92
	<i>For Galvanized Fittings, Add</i>		12.97	
23 21 13 23-0808	EA 3" x 2" Plain End Piping System, Reducing (Swaged) Nipple	.....	81.47	27.70
	<i>For Galvanized Fittings, Add</i>		9.98	
23 21 13 23-0809	EA 3" x 2-1/2" Plain End Piping System, Reducing (Swaged) Nipple	.....	89.41	33.02
	<i>For Galvanized Fittings, Add</i>		9.98	
23 21 13 23-0810	EA 3-1/2" x 3" Plain End Piping System, Reducing (Swaged) Nipple	.....	101.03	35.59
	<i>For Galvanized Fittings, Add</i>		11.93	
23 21 13 23-0811	EA 4" x 1" Plain End Piping System, Reducing (Swaged) Nipple	.....	115.00	28.00
	<i>For Galvanized Fittings, Add</i>		18.24	
23 21 13 23-0812	EA 4" x 1-1/2" Plain End Piping System, Reducing (Swaged) Nipple	.....	118.59	30.46
	<i>For Galvanized Fittings, Add</i>		18.24	
23 21 13 23-0813	EA 4" x 2" Plain End Piping System, Reducing (Swaged) Nipple	.....	105.04	33.24
	<i>For Galvanized Fittings, Add</i>		13.81	
23 21 13 23-0814	EA 4" x 2-1/2" Plain End Piping System, Reducing (Swaged) Nipple	.....	108.56	35.59
	<i>For Galvanized Fittings, Add</i>		13.81	
23 21 13 23-0815	EA 4" x 3" Plain End Piping System, Reducing (Swaged) Nipple	.....	112.74	38.36
	<i>For Galvanized Fittings, Add</i>		13.81	
23 21 13 23-0816	EA 4" x 3-1/2" Plain End Piping System, Reducing (Swaged) Nipple	.....	116.73	41.03
	<i>For Galvanized Fittings, Add</i>		13.81	
23 21 13 23-0817	EA 5" x 2" Plain End Piping System, Reducing (Swaged) Nipple	.....	261.19	38.66
	<i>For Galvanized Fittings, Add</i>		50.80	
23 21 13 23-0818	EA 5" x 3" Plain End Piping System, Reducing (Swaged) Nipple	.....	222.41	43.69
	<i>For Galvanized Fittings, Add</i>		39.21	
23 21 13 23-0819	EA 5" x 4" Plain End Piping System, Reducing (Swaged) Nipple	.....	202.95	49.33
	<i>For Galvanized Fittings, Add</i>		32.27	
23 21 13 23-0820	EA 6" x 1" Plain End Piping System, Reducing (Swaged) Nipple	.....	449.69	41.74
	<i>For Galvanized Fittings, Add</i>		96.79	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 20 HVAC Piping And Pumps****23 21 Hydronic Piping And Pumps**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0821 EA 6" x 1-1/2" Plain End Piping System, Reducing (Swaged) Nipple.....	453.24	44.10
For Galvanized Fittings, Add	96.79	
23 21 13 23-0822 EA 6" x 2" Plain End Piping System, Reducing (Swaged) Nipple.....	356.60	46.87
For Galvanized Fittings, Add	71.59	
23 21 13 23-0823 EA 6" x 2-1/2" Plain End Piping System, Reducing (Swaged) Nipple.....	360.24	49.33
For Galvanized Fittings, Add	71.59	
23 21 13 23-0824 EA 6" x 3" Plain End Piping System, Reducing (Swaged) Nipple.....	263.51	52.00
For Galvanized Fittings, Add	46.40	
23 21 13 23-0825 EA 6" x 3-1/2" Plain End Piping System, Reducing (Swaged) Nipple.....	267.24	54.46
For Galvanized Fittings, Add	46.40	
23 21 13 23-0826 EA 6" x 4" Plain End Piping System, Reducing (Swaged) Nipple.....	226.78	57.43
For Galvanized Fittings, Add	35.19	
23 21 13 23-0827 EA 6" x 5" Plain End Piping System, Reducing (Swaged) Nipple.....	255.64	62.87
For Galvanized Fittings, Add	40.34	
23 21 13 23-0828 EA 8" x 3" Plain End Piping System, Reducing (Swaged) Nipple.....	311.92	58.77
For Galvanized Fittings, Add	55.95	
23 21 13 23-0829 EA 8" x 4" Plain End Piping System, Reducing (Swaged) Nipple.....	320.21	64.31
For Galvanized Fittings, Add	55.95	
23 21 13 23-0830 EA 8" x 5" Plain End Piping System, Reducing (Swaged) Nipple.....	359.26	69.85
For Galvanized Fittings, Add	63.65	
23 21 13 23-0831 EA 8" x 6" Plain End Piping System, Reducing (Swaged) Nipple.....	402.48	78.05
For Galvanized Fittings, Add	71.35	
23 21 13 23-0832 Plain End Piping System, Bull Plugs (23 21 13 23-0714)		
23 21 13 23-0833 EA 1" Plain End Piping System, Bull Plug.....	210.54	6.15
For Galvanized Fittings, Add	60.39	
23 21 13 23-0834 EA 1-1/2" Plain End Piping System, Bull Plug.....	214.13	8.51
For Galvanized Fittings, Add	60.39	
23 21 13 23-0835 EA 2" Plain End Piping System, Bull Plug.....	218.18	11.28
For Galvanized Fittings, Add	60.39	
23 21 13 23-0836 EA 2-1/2" Plain End Piping System, Bull Plug.....	221.82	13.64
For Galvanized Fittings, Add	60.39	
23 21 13 23-0837 EA 3" Plain End Piping System, Bull Plug.....	319.70	16.41
For Galvanized Fittings, Add	88.53	
23 21 13 23-0838 EA 4" Plain End Piping System, Bull Plug.....	413.97	21.85
For Galvanized Fittings, Add	114.35	
23 21 13 23-0839 EA 5" Plain End Piping System, Bull Plug.....	714.61	27.38
For Galvanized Fittings, Add	202.08	
23 21 13 23-0840 EA 6" Plain End Piping System, Bull Plug.....	951.73	35.59
For Galvanized Fittings, Add	269.52	
23 21 13 23-0841 EA 8" Plain End Piping System, Bull Plug.....	1,752.62	42.36
For Galvanized Fittings, Add	506.71	
23 21 13 23-0842 EA 10" Plain End Piping System, Bull Plug.....	3,140.50	49.54
For Galvanized Fittings, Add	919.85	
23 21 13 23-0843 EA 12" Plain End Piping System, Bull Plug.....	4,804.45	59.48
For Galvanized Fittings, Add	1,414.57	
23 21 13 23-0844 Carbon Steel Piping Systems (23 21 13 23)		
23 21 13 23-0845 Class 3,000 LB Carbon Steel Socket Weld Fittings (23 21 13 23-0844)		
Note: ASTM A105		
23 21 13 23-0846 90 Degree Elbows, 3,000 LB Carbon Steel Socket Weld (23 21 13 23-0845)		
23 21 13 23-0847 EA 1/2" 90 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB.....	35.49	20.31
23 21 13 23-0848 EA 3/4" 90 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB.....	39.85	22.67
23 21 13 23-0849 EA 1" 90 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB.....	48.74	25.33
23 21 13 23-0850 EA 1-1/4" 90 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB.....	63.05	28.72
23 21 13 23-0851 EA 1-1/2" 90 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB.....	71.82	32.31
23 21 13 23-0852 EA 2" 90 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB.....	95.84	41.13
23 21 13 23-0853 EA 2-1/2" 90 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB.....	178.07	60.82
23 21 13 23-0854 EA 3" 90 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB.....	249.66	80.00
23 21 13 23-0855 EA 4" 90 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB.....	397.28	81.29
23 21 13 23-0856 45 Degree Elbows, 3,000 LB Carbon Steel Socket Weld (23 21 13 23-0845)		
23 21 13 23-0857 EA 1/2" 45 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB.....	37.74	20.31
23 21 13 23-0858 EA 3/4" 45 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB.....	43.25	22.67
23 21 13 23-0859 EA 1" 45 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB.....	49.78	25.33
23 21 13 23-0860 EA 1-1/4" 45 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB.....	64.38	28.72
23 21 13 23-0861 EA 1-1/2" 45 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB.....	74.99	32.31
23 21 13 23-0862 EA 2" 45 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB.....	95.77	41.13
23 21 13 23-0863 EA 2-1/2" 45 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB.....	197.48	60.82
23 21 13 23-0864 EA 3" 45 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB.....	266.09	80.00
23 21 13 23-0865 EA 4" 45 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB.....	390.17	81.29
23 21 13 23-0866 Straight Tees, 3,000 LB Carbon Steel Socket Weld (23 21 13 23-0845)		
23 21 13 23-0867 EA 1/2" Tee, Straight, Carbon Steel, Socket Weld, 3,000 LB.....	43.79	25.33
23 21 13 23-0868 EA 3/4" Tee, Straight, Carbon Steel, Socket Weld, 3,000 LB.....	52.20	29.23
23 21 13 23-0869 EA 1" Tee, Straight, Carbon Steel, Socket Weld, 3,000 LB.....	66.61	34.56
23 21 13 23-0870 EA 1-1/4" Tee, Straight, Carbon Steel, Socket Weld, 3,000 LB.....	85.74	41.13



			DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21	13 23-0871	EA	1-1/2" Tee, Straight, Carbon Steel, Socket Weld, 3,000 LB.....	103.46	49.03
23 21	13 23-0872	EA	2" Tee, Straight, Carbon Steel, Socket Weld, 3,000 LB.....	134.64	60.82
23 21	13 23-0873	EA	2-1/2" Tee, Straight, Carbon Steel, Socket Weld, 3,000 LB.....	224.60	80.00
23 21	13 23-0874	EA	3" Tee, Straight, Carbon Steel, Socket Weld, 3,000 LB.....	299.58	94.97
23 21	13 23-0875	EA	4" Tee, Straight, Carbon Steel, Socket Weld, 3,000 LB.....	523.05	102.63
23 21 13 23-0876 Reducing Tees, 3,000 LB Carbon Steel Socket Weld (23 21 13 23-0845)					
23 21	13 23-0877	EA	1/2" Tee, Reducing, Carbon Steel, Socket Weld, 3,000 LB.....	44.40	25.33
23 21	13 23-0878	EA	3/4" Tee, Reducing, Carbon Steel, Socket Weld, 3,000 LB.....	52.84	29.23
23 21	13 23-0879	EA	1" Tee, Reducing, Carbon Steel, Socket Weld, 3,000 LB.....	67.37	34.56
23 21	13 23-0880	EA	1-1/4" Tee, Reducing, Carbon Steel, Socket Weld, 3,000 LB.....	87.54	41.13
23 21	13 23-0881	EA	1-1/2" Tee, Reducing, Carbon Steel, Socket Weld, 3,000 LB.....	105.58	49.03
23 21	13 23-0882	EA	2" Tee, Reducing, Carbon Steel, Socket Weld, 3,000 LB.....	137.89	60.82
23 21	13 23-0883	EA	2-1/2" Tee, Reducing, Carbon Steel, Socket Weld, 3,000 LB.....	232.32	80.00
23 21	13 23-0884	EA	3" Tee, Reducing, Carbon Steel, Socket Weld, 3,000 LB.....	310.69	94.97
23 21	13 23-0885	EA	4" Tee, Reducing, Carbon Steel, Socket Weld, 3,000 LB.....	483.50	102.63
23 21 13 23-0886 Straight Couplings, 3,000 LB Carbon Steel Socket Weld (23 21 13 23-0845)					
23 21	13 23-0887	EA	1/2" Coupling, Straight, Carbon Steel, Socket Weld, 3,000 LB.....	32.72	20.31
23 21	13 23-0888	EA	3/4" Coupling, Straight, Carbon Steel, Socket Weld, 3,000 LB.....	36.78	22.67
23 21	13 23-0889	EA	1" Coupling, Straight, Carbon Steel, Socket Weld, 3,000 LB.....	42.22	25.33
23 21	13 23-0890	EA	1-1/4" Coupling, Straight, Carbon Steel, Socket Weld, 3,000 LB.....	48.35	28.72
23 21	13 23-0891	EA	1-1/2" Coupling, Straight, Carbon Steel, Socket Weld, 3,000 LB.....	55.68	32.31
23 21	13 23-0892	EA	2" Coupling, Straight, Carbon Steel, Socket Weld, 3,000 LB.....	72.08	41.13
23 21	13 23-0893	EA	2-1/2" Coupling, Straight, Carbon Steel, Socket, Weld, 3,000 LB.....	117.54	60.82
23 21	13 23-0894	EA	3" Coupling, Straight, Carbon Steel, Socket Weld, 3,000 LB.....	156.32	80.00
23 21	13 23-0895	EA	4" Coupling, Straight, Carbon Steel, Socket Weld, 3,000 LB.....	194.37	81.29
23 21 13 23-0896 Reducing Couplings, 3,000 LB Carbon Steel Socket Weld (23 21 13 23-0845)					
23 21	13 23-0897	EA	1/2" Coupling, Reducing, Carbon Steel, Socket Weld, 3,000 LB.....	33.97	20.31
23 21	13 23-0898	EA	3/4" Coupling, Reducing, Carbon Steel, Socket Weld, 3,000 LB.....	38.16	22.67
23 21	13 23-0899	EA	1" Coupling, Reducing, Carbon Steel, Socket Weld, 3,000 LB.....	44.42	25.33
23 21	13 23-0900	EA	1-1/4" Coupling, Reducing, Carbon Steel, Socket Weld, 3,000 LB.....	51.01	28.72
23 21	13 23-0901	EA	1-1/2" Coupling, Reducing, Carbon Steel, Socket Weld, 3,000 LB.....	59.62	32.31
23 21	13 23-0902	EA	2" Coupling, Reducing, Carbon Steel, Socket Weld, 3,000 LB.....	76.30	41.13
23 21	13 23-0903	EA	2-1/2" Coupling, Reducing, Carbon Steel, Socket Weld, 3,000 LB.....	126.83	60.82
23 21	13 23-0904	EA	3" Coupling, Reducing, Carbon Steel, Socket Weld, 3,000 LB.....	175.01	80.00
23 21	13 23-0905	EA	4" Coupling, Reducing, Carbon Steel, Socket Weld, 3,000 LB.....	233.22	81.29
23 21 13 23-0906 Caps, 3,000 LB Carbon Steel Socket Weld (23 21 13 23-0845)					
23 21	13 23-0907	EA	1/2" Cap, Carbon Steel, Socket Weld, 3,000 LB.....	17.93	9.54
23 21	13 23-0908	EA	3/4" Cap, Carbon Steel, Socket Weld, 3,000 LB.....	20.02	10.15
23 21	13 23-0909	EA	1" Cap, Carbon Steel, Socket Weld, 3,000 LB.....	23.37	11.69
23 21	13 23-0910	EA	1-1/4" Cap, Carbon Steel, Socket Weld, 3,000 LB.....	26.61	12.72
23 21	13 23-0911	EA	1-1/2" Cap, Carbon Steel, Socket Weld, 3,000 LB.....	29.41	12.72
23 21	13 23-0912	EA	2" Cap, Carbon Steel, Socket Weld, 3,000 LB.....	38.10	16.31
23 21	13 23-0913	EA	2-1/2" Cap, Carbon Steel, Socket Weld, 3,000 LB.....	62.40	20.31
23 21	13 23-0914	EA	3" Cap, Carbon Steel, Socket Weld, 3,000 LB.....	87.19	24.51
23 21	13 23-0915	EA	4" Cap, Carbon Steel, Socket Weld, 3,000 LB.....	120.40	27.82
23 21 13 23-0916 Black Cast Iron Square Head Plug (23 21 13 23-0845)					
23 21	13 23-0917	EA	1/2" Square Head Plug, Black, Cast Iron.....	12.91	8.10
23 21	13 23-0918	EA	3/4" Square Head Plug, Black, Cast Iron.....	14.10	8.10
23 21	13 23-0919	EA	1" Square Head Plug, Black, Cast Iron.....	20.60	12.30
23 21	13 23-0920	EA	1-1/4" Square Head Plug, Black, Cast Iron.....	20.84	12.30
23 21	13 23-0921	EA	1-1/2" Square Head Plug, Black, Cast Iron.....	21.83	12.30
23 21	13 23-0922	EA	2" Square Head Plug, Black, Cast Iron.....	28.98	16.31
23 21	13 23-0923	EA	2-1/2" Square Head Plug, Black, Cast Iron.....	36.88	20.31
23 21	13 23-0924	EA	3" Square Head Plug, Black, Cast Iron.....	47.17	24.51
23 21	13 23-0925	EA	4" Square Head Plug, Black, Cast Iron.....	53.99	27.82
23 21 13 23-0926 Unions, 3,000 LB Carbon Steel Socket Weld (23 21 13 23-0845)					
23 21	13 23-0927	EA	1/2" Union, Carbon Steel, Socket Weld, 3,000 LB.....	51.05	25.33
23 21	13 23-0928	EA	3/4" Union, Carbon Steel, Socket Weld, 3,000 LB.....	57.23	29.23
23 21	13 23-0929	EA	1" Union, Carbon Steel, Socket Weld, 3,000 LB.....	71.39	34.56
23 21	13 23-0930	EA	1-1/4" Union, Carbon Steel, Socket Weld, 3,000 LB.....	88.62	41.13
23 21	13 23-0931	EA	1-1/2" Union, Carbon Steel, Socket Weld, 3,000 LB.....	106.51	49.03
23 21	13 23-0932	EA	2" Union, Carbon Steel, Socket Weld, 3,000 LB.....	132.86	60.82
23 21	13 23-0933	EA	2-1/2" Union, Carbon Steel, Socket Weld, 3,000 LB.....	205.84	66.05
23 21	13 23-0934	EA	3" Union, Carbon Steel, Socket Weld, 3,000 LB.....	271.26	80.00
23 21 13 23-0935 Class 6,000 LB Carbon Steel Socket Weld Fittings (23 21 13 23-0844)					
Note: ASTM A105					

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 20 HVAC Piping And Pumps****23 21 Hydronic Piping And Pumps**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0936 90 Degree Elbow, 6,000 LB Carbon Steel Socket Weld (23 21 13 23-0935)		
23 21 13 23-0937 EA 1/2" 90 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB.....	38.20	20.31
23 21 13 23-0938 EA 3/4" 90 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB.....	42.95	22.67
23 21 13 23-0939 EA 1" 90 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB.....	54.45	25.33
23 21 13 23-0940 EA 1-1/4" 90 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB.....	73.69	28.72
23 21 13 23-0941 EA 1-1/2" 90 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB.....	84.20	32.31
23 21 13 23-0942 EA 2" 90 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB.....	114.03	41.13
23 21 13 23-0943 EA 2-1/2" 90 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB.....	224.22	60.82
23 21 13 23-0944 EA 3" 90 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB.....	318.55	80.00
23 21 13 23-0945 EA 4" 90 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB.....	543.57	81.29
23 21 13 23-0946 45 Degree Elbow, 6,000 LB Carbon Steel Socket Weld (23 21 13 23-0935)		
23 21 13 23-0947 EA 1/2" 45 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB.....	41.90	20.31
23 21 13 23-0948 EA 3/4" 45 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB.....	48.48	22.67
23 21 13 23-0949 EA 1" 45 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB.....	56.46	25.33
23 21 13 23-0950 EA 1-1/4" 45 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB.....	76.47	28.72
23 21 13 23-0951 EA 1-1/2" 45 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB.....	89.99	32.31
23 21 13 23-0952 EA 2" 45 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB.....	115.13	41.13
23 21 13 23-0953 EA 2-1/2" 45 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB.....	257.68	60.82
23 21 13 23-0954 EA 3" 45 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB.....	348.83	80.00
23 21 13 23-0955 EA 4" 45 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB.....	542.11	81.29
23 21 13 23-0956 Straight Tees, 6,000 LB Carbon Steel Socket Weld (23 21 13 23-0935)		
23 21 13 23-0957 EA 1/2" Tee, Straight, Carbon Steel, Socket Weld, 6,000 LB.....	49.15	25.33
23 21 13 23-0958 EA 3/4" Tee, Straight, Carbon Steel, Socket Weld, 6,000 LB.....	59.96	29.23
23 21 13 23-0959 EA 1" Tee, Straight, Carbon Steel, Socket Weld, 6,000 LB.....	80.33	34.56
23 21 13 23-0960 EA 1-1/4" Tee, Straight, Carbon Steel, Socket Weld, 6,000 LB.....	108.11	41.13
23 21 13 23-0961 EA 1-1/2" Tee, Straight, Carbon Steel, Socket Weld, 6,000 LB.....	131.20	49.03
23 21 13 23-0962 EA 2" Tee, Straight, Carbon Steel, Socket Weld, 6,000 LB.....	174.90	60.82
23 21 13 23-0963 EA 2-1/2" Tee, Straight, Carbon Steel, Socket Weld, 6,000 LB.....	321.52	80.00
23 21 13 23-0964 EA 3" Tee, Straight, Carbon Steel, Socket Weld, 6,000 LB.....	445.11	94.97
23 21 13 23-0965 EA 4" Tee, Straight, Carbon Steel, Socket Weld, 6,000 LB.....	864.96	102.63
23 21 13 23-0966 Reducing Tees, 6,000 LB Carbon Steel Socket Weld (23 21 13 23-0935)		
23 21 13 23-0967 EA 1/2" Tee, Reducing, Carbon Steel, Socket Weld, 6,000 LB.....	44.40	25.33
23 21 13 23-0968 EA 3/4" Tee, Reducing, Carbon Steel, Socket Weld, 6,000 LB.....	52.84	29.23
23 21 13 23-0969 EA 1" Tee, Reducing, Carbon Steel, Socket Weld, 6,000 LB.....	67.37	34.56
23 21 13 23-0970 EA 1-1/4" Tee, Reducing, Carbon Steel, Socket Weld, 6,000 LB.....	87.54	41.13
23 21 13 23-0971 EA 1-1/2" Tee, Reducing, Carbon Steel, Socket Weld, 6,000 LB.....	105.58	49.03
23 21 13 23-0972 EA 2" Tee, Reducing, Carbon Steel, Socket Weld, 6,000 LB.....	137.89	60.82
23 21 13 23-0973 EA 2-1/2" Tee, Reducing, Carbon Steel, Socket Weld, 6,000 LB.....	232.32	80.00
23 21 13 23-0974 EA 3" Tee, Reducing, Carbon Steel, Socket Weld, 6,000 LB.....	310.69	94.97
23 21 13 23-0975 EA 4" Tee, Reducing, Carbon Steel, Socket Weld, 6,000 LB.....	483.50	102.63
23 21 13 23-0976 Straight Couplings, 6,000 LB Carbon Steel Socket Weld (23 21 13 23-0935)		
23 21 13 23-0977 EA 1/2" Coupling, Straight, Carbon Steel, Socket Weld, 6,000 LB.....	33.85	20.31
23 21 13 23-0978 EA 3/4" Coupling, Straight, Carbon Steel, Socket Weld, 6,000 LB.....	38.11	22.67
23 21 13 23-0979 EA 1" Coupling, Straight, Carbon Steel, Socket Weld, 6,000 LB.....	44.27	25.33
23 21 13 23-0980 EA 1-1/4" Coupling, Straight, Carbon Steel, Socket Weld, 6,000 LB.....	50.93	28.72
23 21 13 23-0981 EA 1-1/2" Coupling, Straight, Carbon Steel, Socket Weld, 6,000 LB.....	59.15	32.31
23 21 13 23-0982 EA 2" Coupling, Straight, Carbon Steel, Socket Weld, 6,000 LB.....	77.15	41.13
23 21 13 23-0983 EA 2-1/2" Coupling, Straight, Carbon Steel, Socket Weld, 6,000 LB.....	130.30	60.82
23 21 13 23-0984 EA 3" Coupling, Straight, Carbon Steel, Socket Weld, 6,000 LB.....	173.91	80.00
23 21 13 23-0985 EA 4" Coupling, Straight, Carbon Steel, Socket Weld, 6,000 LB.....	229.46	81.29
23 21 13 23-0986 Reducing Couplings, 6,000 LB Carbon Steel Socket Weld (23 21 13 23-0935)		
23 21 13 23-0987 EA 1/2" Coupling, Reducing, Carbon Steel, Socket Weld, 6,000 LB.....	35.70	20.31
23 21 13 23-0988 EA 3/4" Coupling, Reducing, Carbon Steel, Socket Weld, 6,000 LB.....	40.14	22.67
23 21 13 23-0989 EA 1" Coupling, Reducing, Carbon Steel, Socket Weld, 6,000 LB.....	47.51	25.33
23 21 13 23-0990 EA 1-1/4" Coupling, Reducing, Carbon Steel, Socket Weld, 6,000 LB.....	54.84	28.72
23 21 13 23-0991 EA 1-1/2" Coupling, Reducing, Carbon Steel, Socket Weld, 6,000 LB.....	64.96	32.31
23 21 13 23-0992 EA 2" Coupling, Reducing, Carbon Steel, Socket Weld, 6,000 LB.....	83.35	41.13
23 21 13 23-0993 EA 2-1/2" Coupling, Reducing, Carbon Steel, Socket Weld, 6,000 LB.....	143.95	60.82
23 21 13 23-0994 EA 3" Coupling, Reducing, Carbon Steel, Socket Weld, 6,000 LB.....	201.43	80.00
23 21 13 23-0995 EA 4" Coupling, Reducing, Carbon Steel, Socket Weld, 6,000 LB.....	286.69	81.29
23 21 13 23-0996 Caps, 6,000 LB Carbon Steel Socket Weld (23 21 13 23-0935)		
23 21 13 23-0997 EA 1/2" Cap, Carbon Steel, Socket Weld, 6,000 LB.....	20.41	9.54
23 21 13 23-0998 EA 3/4" Cap, Carbon Steel, Socket Weld, 6,000 LB.....	23.26	10.15
23 21 13 23-0999 EA 1" Cap, Carbon Steel, Socket Weld, 6,000 LB.....	27.29	11.69
23 21 13 23-1000 EA 1-1/4" Cap, Carbon Steel, Socket Weld, 6,000 LB.....	31.73	12.72
23 21 13 23-1001 EA 1-1/2" Cap, Carbon Steel, Socket Weld, 6,000 LB.....	36.40	12.72
23 21 13 23-1002 EA 2" Cap, Carbon Steel, Socket Weld, 6,000 LB.....	47.22	16.31



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-1003 EA 2-1/2" Cap, Carbon Steel, Socket Weld, 6,000 LB.....	83.88	20.31
23 21 13 23-1004 EA 3" Cap, Carbon Steel, Socket Weld, 6,000 LB.....	121.03	24.51
23 21 13 23-1005 EA 4" Cap, Carbon Steel, Socket Weld, 6,000 LB.....	173.16	27.82
23 21 13 23-1006 Black Cast Iron Square Head Plug (23 21 13 23-0935)		
23 21 13 23-1007 EA 1/2" Square Head Plug, Black Cast Iron.....	12.91	8.10
23 21 13 23-1008 EA 3/4" Square Head Plug, Black Cast Iron.....	14.11	8.10
23 21 13 23-1009 EA 1" Square Head Plug, Black Cast Iron.....	20.61	12.30
23 21 13 23-1010 EA 1-1/4" Square Head Plug, Black Cast Iron.....	20.85	12.30
23 21 13 23-1011 EA 1-1/2" Square Head Plug, Black Cast Iron.....	21.84	12.30
23 21 13 23-1012 EA 2" Square Head Plug, Black Cast Iron.....	29.00	16.31
23 21 13 23-1013 EA 2-1/2" Square Head Plug, Black Cast Iron.....	36.91	20.31
23 21 13 23-1014 EA 3" Square Head Plug, Black Cast Iron.....	47.22	24.51
23 21 13 23-1015 EA 4" Square Head Plug, Black Cast Iron.....	54.05	27.82
23 21 13 23-1016 Unions, 6,000 LB Carbon Steel Socket Weld (23 21 13 23-0935)		
23 21 13 23-1017 EA 1/2" Union, Carbon Steel, Socket Weld, 6,000 LB.....	59.03	25.33
23 21 13 23-1018 EA 3/4" Union, Carbon Steel, Socket Weld, 6,000 LB.....	65.43	29.23
23 21 13 23-1019 EA 1" Union, Carbon Steel, Socket Weld, 6,000 LB.....	83.36	34.56
23 21 13 23-1020 EA 1-1/4" Union, Carbon Steel, Socket Weld, 6,000 LB.....	105.15	41.13
23 21 13 23-1021 EA 1-1/2" Union, Carbon Steel, Socket Weld, 6,000 LB.....	126.68	49.03
23 21 13 23-1022 EA 2" Union, Carbon Steel, Socket Weld, 6,000 LB.....	158.36	60.82
23 21 13 23-1023 EA 2-1/2" Union, Carbon Steel, Socket Weld, 6,000 LB.....	271.12	66.05
23 21 13 23-1024 EA 3" Union, Carbon Steel, Socket Weld, 6,000 LB.....	363.79	80.00
23 21 13 23-1025 Carbon Steel Piping System (23 21 13 23-0844)		
Note: ASTM A106 Excludes hangers or fittings. Demolition Note applies to all pipe demolition.		
23 21 13 23-1026 Schedule 40 Carbon Steel Piping (23 21 13 23-1025)		
Note: ASTM A106 Excludes hangers, elbow, tee, or reducer fittings.		
23 21 13 23-1027 LF 1/4" ASTM A106 Carbon Steel Pipe, Schedule 40.....	7.25	3.79
For Schedule 80, Add		0.56
23 21 13 23-1028 LF 1/2" ASTM A106 Carbon Steel Pipe, Schedule 40.....	7.63	4.10
For Schedule 80, Add		0.51
For Schedule 160, Add		2.13
23 21 13 23-1029 LF 3/4" ASTM A106 Carbon Steel Pipe, Schedule 40.....	8.35	4.41
For Schedule 80, Add		0.63
For Schedule 160, Add		2.61
23 21 13 23-1030 LF 1" ASTM A106 Carbon Steel Pipe, Schedule 40.....	8.96	4.83
For Schedule 80, Add		0.64
For Schedule 160, Add		2.69
23 21 13 23-1031 LF 1-1/2" ASTM A106 Carbon Steel Pipe, Schedule 40.....	11.56	5.95
For Schedule 80, Add		0.95
For Schedule 160, Add		3.96
23 21 13 23-1032 LF 2" ASTM A106 Carbon Steel Pipe, Schedule 40.....	14.28	7.18
For Schedule 80, Add		1.25
For Schedule 160, Add		5.22
23 21 13 23-1033 90 Degree Elbows, Screwed Carbon Steel (23 21 13 23-1025)		
23 21 13 23-1034 EA 1/4" 90 Degree Elbow, 2,000 LB, Screwed Carbon Steel.....	26.57	15.59
23 21 13 23-1035 EA 1/2" 90 Degree Elbow, 2,000 LB, Screwed Carbon Steel.....	31.76	18.26
23 21 13 23-1036 EA 3/4" 90 Degree Elbow, 2,000 LB, Screwed Carbon Steel.....	35.51	20.41
23 21 13 23-1037 EA 1" 90 Degree Elbow, 2,000 LB, Screwed Carbon Steel.....	40.36	22.77
23 21 13 23-1038 EA 1-1/2" 90 Degree Elbow, 2,000 LB, Screwed Carbon Steel.....	59.58	29.12
23 21 13 23-1039 EA 2" 90 Degree Elbow, 2,000 LB, Screwed Carbon Steel.....	75.56	37.03
23 21 13 23-1040 EA 1/4" 90 Degree Elbow, 3,000 LB, Screwed Carbon Steel.....	27.59	15.59
23 21 13 23-1041 EA 1/2" 90 Degree Elbow, 3,000 LB, Screwed Carbon Steel.....	32.15	18.26
23 21 13 23-1042 EA 3/4" 90 Degree Elbow, 3,000 LB, Screwed Carbon Steel.....	36.78	20.41
23 21 13 23-1043 EA 1" 90 Degree Elbow, 3,000 LB, Screwed Carbon Steel.....	43.12	22.77
23 21 13 23-1044 EA 1-1/2" 90 Degree Elbow, 3,000 LB, Screwed Carbon Steel.....	66.17	29.12
23 21 13 23-1045 EA 2" 90 Degree Elbow, 3,000 LB, Screwed Carbon Steel.....	82.84	37.03
23 21 13 23-1046 EA 1/2" 90 Degree Elbow, 6,000 LB, Screwed Carbon Steel.....	35.73	18.26
23 21 13 23-1047 EA 3/4" 90 Degree Elbow, 6,000 LB, Screwed Carbon Steel.....	41.29	20.41
23 21 13 23-1048 EA 1" 90 Degree Elbow, 6,000 LB, Screwed Carbon Steel.....	47.86	22.77
23 21 13 23-1049 EA 1-1/2" 90 Degree Elbow, 6,000 LB, Screwed Carbon Steel.....	79.49	29.12
23 21 13 23-1050 EA 2" 90 Degree Elbow, 6,000 LB, Screwed Carbon Steel.....	118.16	37.03
23 21 13 23-1051 45 Degree Elbows, Screwed Carbon Steel (23 21 13 23-1025)		
23 21 13 23-1052 EA 1/4" 45 Degree Elbow, 2,000 LB, Screwed Carbon Steel.....	28.82	15.59
23 21 13 23-1053 EA 1/2" 45 Degree Elbow, 2,000 LB, Screwed Carbon Steel.....	32.59	18.26
23 21 13 23-1054 EA 3/4" 45 Degree Elbow, 2,000 LB, Screwed Carbon Steel.....	36.58	20.41
23 21 13 23-1055 EA 1" 45 Degree Elbow, 2,000 LB, Screwed Carbon Steel.....	41.18	22.77
23 21 13 23-1056 EA 1-1/2" 45 Degree Elbow, 2,000 LB, Screwed Carbon Steel.....	56.95	29.12
23 21 13 23-1057 EA 2" 45 Degree Elbow, 2,000 LB, Screwed Carbon Steel.....	79.62	37.03
23 21 13 23-1058 EA 1/4" 45 Degree Elbow, 3,000 LB, Screwed Carbon Steel.....	28.99	15.59
23 21 13 23-1059 EA 1/2" 45 Degree Elbow, 3,000 LB, Screwed Carbon Steel.....	33.53	18.26
23 21 13 23-1060 EA 3/4" 45 Degree Elbow, 3,000 LB, Screwed Carbon Steel.....	37.66	20.41

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 20 HVAC Piping And Pumps****23 21 Hydronic Piping And Pumps**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21	13 23-1061	EA	1" 45 Degree Elbow, 3,000 LB, Screwed Carbon Steel	43.99	22.77
23 21	13 23-1062	EA	1-1/2" 45 Degree Elbow, 3,000 LB, Screwed Carbon Steel	65.15	29.12
23 21	13 23-1063	EA	2" 45 Degree Elbow, 3,000 LB, Screwed Carbon Steel	85.11	37.03
23 21	13 23-1064	EA	1/2" 45 Degree Elbow, 6,000 LB, Screwed Carbon Steel	38.21	18.26
23 21	13 23-1065	EA	3/4" 45 Degree Elbow, 6,000 LB, Screwed Carbon Steel	45.75	20.41
23 21	13 23-1066	EA	1" 45 Degree Elbow, 6,000 LB, Screwed Carbon Steel	49.54	22.77
23 21	13 23-1067	EA	1-1/2" 45 Degree Elbow, 6,000 LB, Screwed Carbon Steel	88.99	29.12
23 21	13 23-1068	EA	2" 45 Degree Elbow, 6,000 LB, Screwed Carbon Steel	118.79	37.03
23 21	13 23-1069		Straight Tees, Screwed Carbon Steel (23 21 13 23-1025)		
23 21	13 23-1070	EA	1/4" Tee, Straight, 2,000 LB, Screwed Carbon Steel	35.30	21.64
23 21	13 23-1071	EA	1/2" Tee, Straight, 2,000 LB, Screwed Carbon Steel	39.91	22.77
23 21	13 23-1072	EA	3/4" Tee, Straight, 2,000 LB, Screwed Carbon Steel	47.25	26.36
23 21	13 23-1073	EA	1" Tee, Straight, 2,000 LB, Screwed Carbon Steel	57.28	31.07
23 21	13 23-1074	EA	1-1/2" Tee, Straight, 2,000 LB, Screwed Carbon Steel	88.60	44.10
23 21	13 23-1075	EA	2" Tee, Straight, 2,000 LB, Screwed Carbon Steel	109.85	54.77
23 21	13 23-1076	EA	1/4" Tee, Straight, 3,000 LB, Screwed Carbon Steel	36.18	21.64
23 21	13 23-1077	EA	1/2" Tee, Straight, 3,000 LB, Screwed Carbon Steel	40.48	22.77
23 21	13 23-1078	EA	3/4" Tee, Straight, 3,000 LB, Screwed Carbon Steel	49.16	26.36
23 21	13 23-1079	EA	1" Tee, Straight, 3,000 LB, Screwed Carbon Steel	58.92	31.07
23 21	13 23-1080	EA	1-1/2" Tee, Straight, 3,000 LB, Screwed Carbon Steel	94.25	44.10
23 21	13 23-1081	EA	2" Tee, Straight, 3,000 LB, Screwed Carbon Steel	119.20	54.77
23 21	13 23-1082	EA	1/2" Tee, Straight, 6,000 LB, Screwed Carbon Steel	44.78	22.77
23 21	13 23-1083	EA	3/4" Tee, Straight, 6,000 LB, Screwed Carbon Steel	53.77	26.36
23 21	13 23-1084	EA	1" Tee, Straight, 6,000 LB, Screwed Carbon Steel	70.34	31.07
23 21	13 23-1085	EA	1-1/2" Tee, Straight, 6,000 LB, Screwed Carbon Steel	107.22	44.10
23 21	13 23-1086	EA	2" Tee, Straight, 6,000 LB, Screwed Carbon Steel	160.56	54.77
23 21	13 23-1087		Crosses, Screwed Carbon Steel (23 21 13 23-1025)		
23 21	13 23-1088	EA	1/4" Cross, 2,000 LB, Screwed Carbon Steel	51.00	27.38
23 21	13 23-1089	EA	1/2" Cross, 2,000 LB, Screwed Carbon Steel	59.44	30.77
23 21	13 23-1090	EA	3/4" Cross, 2,000 LB, Screwed Carbon Steel	63.70	32.82
23 21	13 23-1091	EA	1" Cross, 2,000 LB, Screwed Carbon Steel	78.27	39.59
23 21	13 23-1092	EA	1-1/2" Cross, 2,000 LB, Screwed Carbon Steel	128.54	55.38
23 21	13 23-1093	EA	2" Cross, 2,000 LB, Screwed Carbon Steel	164.16	68.41
23 21	13 23-1094	EA	1/2" Cross, 3,000 LB, Screwed Carbon Steel	60.51	30.77
23 21	13 23-1095	EA	3/4" Cross, 3,000 LB, Screwed Carbon Steel	69.88	32.82
23 21	13 23-1096	EA	1" Cross, 3,000 LB, Screwed Carbon Steel	83.67	39.59
23 21	13 23-1097	EA	1-1/2" Cross, 3,000 LB, Screwed Carbon Steel	136.33	55.38
23 21	13 23-1098	EA	2" Cross, 3,000 LB, Screwed Carbon Steel	178.40	68.41
23 21	13 23-1099	EA	1/2" Cross, 6,000 LB, Screwed Carbon Steel	80.63	30.77
23 21	13 23-1100	EA	3/4" Cross, 6,000 LB, Screwed Carbon Steel	124.79	32.82
23 21	13 23-1101	EA	1" Cross, 6,000 LB, Screwed Carbon Steel	168.30	39.59
23 21	13 23-1102	EA	1-1/2" Cross, 6,000 LB, Screwed Carbon Steel	262.17	55.38
23 21	13 23-1103	EA	2" Cross, 6,000 LB, Screwed Carbon Steel	291.55	68.41
23 21	13 23-1104		Straight Couplings, Screwed Carbon Steel (23 21 13 23-1025)		
23 21	13 23-1105	EA	1/4" Coupling, Straight, 3,000 LB, Screwed Carbon Steel	25.36	15.59
23 21	13 23-1106	EA	1/2" Coupling, Straight, 3,000 LB, Screwed Carbon Steel	29.13	18.26
23 21	13 23-1107	EA	3/4" Coupling, Straight, 3,000 LB, Screwed Carbon Steel	33.07	20.41
23 21	13 23-1108	EA	1" Coupling, Straight, 3,000 LB, Screwed Carbon Steel	37.89	22.77
23 21	13 23-1109	EA	1-1/2" Coupling, Straight, 3,000 LB, Screwed Carbon Steel	52.94	29.12
23 21	13 23-1110	EA	2" Coupling, Straight, 3,000 LB, Screwed Carbon Steel	67.22	37.03
23 21	13 23-1111	EA	1/4" Coupling, Straight, 6,000 LB, Screwed Carbon Steel	27.94	15.59
23 21	13 23-1112	EA	1/2" Coupling, Straight, 6,000 LB, Screwed Carbon Steel	30.77	18.26
23 21	13 23-1113	EA	3/4" Coupling, Straight, 6,000 LB, Screwed Carbon Steel	34.32	20.41
23 21	13 23-1114	EA	1" Coupling, Straight, 6,000 LB, Screwed Carbon Steel	39.56	22.77
23 21	13 23-1115	EA	1-1/2" Coupling, Straight, 6,000 LB, Screwed Carbon Steel	55.50	29.12
23 21	13 23-1116	EA	2" Coupling, Straight, 6,000 LB, Screwed Carbon Steel	76.54	37.03
23 21	13 23-1117		Reducing Couplings, Screwed Carbon Steel (23 21 13 23-1025)		
23 21	13 23-1118	EA	1/4" Coupling, Reducing, 3,000 LB, Screwed Carbon Steel	25.72	16.62
23 21	13 23-1119	EA	1/2" Coupling, Reducing, 3,000 LB, Screwed Carbon Steel	29.98	18.26
23 21	13 23-1120	EA	3/4" Coupling, Reducing, 3,000 LB, Screwed Carbon Steel	34.36	20.41
23 21	13 23-1121	EA	1" Coupling, Reducing, 3,000 LB, Screwed Carbon Steel	39.68	22.77
23 21	13 23-1122	EA	1-1/2" Coupling, Reducing, 3,000 LB, Screwed Carbon Steel	53.41	29.12
23 21	13 23-1123	EA	2" Coupling, Reducing, 3,000 LB, Screwed Carbon Steel	69.73	37.03
23 21	13 23-1124	EA	1/2" Coupling, Reducing, 6,000 LB, Screwed Carbon Steel	63.00	18.26
23 21	13 23-1125	EA	3/4" Coupling, Reducing, 6,000 LB, Screwed Carbon Steel	66.26	20.41
23 21	13 23-1126	EA	1" Coupling, Reducing, 6,000 LB, Screwed Carbon Steel	76.87	22.77
23 21	13 23-1127	EA	1-1/2" Coupling, Reducing, 6,000 LB, Screwed Carbon Steel	108.42	29.12
23 21	13 23-1128	EA	2" Coupling, Reducing, 6,000 LB, Screwed Carbon Steel	152.99	37.03
23 21	13 23-1129		Caps, Screwed Carbon Steel (23 21 13 23-1025)		
23 21	13 23-1130	EA	1/4" Cap, 3,000 LB, Screwed Carbon Steel	7.22	3.79



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-1131 EA 1/2" Cap, 3,000 LB, Screwed Carbon Steel.....	8.05	4.30
23 21 13 23-1132 EA 3/4" Cap, 3,000 LB, Screwed Carbon Steel.....	9.63	4.93
23 21 13 23-1133 EA 1" Cap, 3,000 LB, Screwed Carbon Steel.....	12.07	5.74
23 21 13 23-1134 EA 1-1/2" Cap, 3,000 LB, Screwed Carbon Steel.....	15.89	6.88
23 21 13 23-1135 EA 2" Cap, 3,000 LB, Screwed Carbon Steel.....	21.60	8.51
23 21 13 23-1136 EA 1/4" Cap, 6,000 LB, Screwed Carbon Steel.....	10.31	3.79
23 21 13 23-1137 EA 1/2" Cap, 6,000 LB, Screwed Carbon Steel.....	10.04	4.30
23 21 13 23-1138 EA 3/4" Cap, 6,000 LB, Screwed Carbon Steel.....	12.86	4.93
23 21 13 23-1139 EA 1" Cap, 6,000 LB, Screwed Carbon Steel.....	14.43	5.74
23 21 13 23-1140 EA 1-1/2" Cap, 6,000 LB, Screwed Carbon Steel.....	25.51	6.88
23 21 13 23-1141 EA 2" Cap, 6,000 LB, Screwed Carbon Steel.....	30.96	8.51
23 21 13 23-1142 Nipples, Screwed Carbon Steel (23 21 13 23-1025)		
23 21 13 23-1143 EA 1/4" Nipple, 2" Long, Screwed Carbon Steel.....	15.50	9.33
23 21 13 23-1144 EA 1/2" Nipple, 2" Long, Screwed Carbon Steel.....	15.82	9.74
23 21 13 23-1145 EA 3/4" Nipple, 2" Long, Screwed Carbon Steel.....	15.75	9.74
23 21 13 23-1146 EA 1" Nipple, 2" Long, Screwed Carbon Steel.....	17.35	10.57
23 21 13 23-1147 EA 1-1/2" Nipple, 2" Long, Screwed Carbon Steel.....	19.45	11.38
23 21 13 23-1148 EA 2" Nipple, 2" Long, Screwed Carbon Steel.....	23.84	14.67
23 21 13 23-1149 EA 1/4" Nipple, 4" Long, Screwed Carbon Steel.....	16.09	9.33
23 21 13 23-1150 EA 1/2" Nipple, 4" Long, Screwed Carbon Steel.....	16.29	9.74
23 21 13 23-1151 EA 3/4" Nipple, 4" Long, Screwed Carbon Steel.....	16.28	9.74
23 21 13 23-1152 EA 1" Nipple, 4" Long, Screwed Carbon Steel.....	18.06	10.57
23 21 13 23-1153 EA 1-1/2" Nipple, 4" Long, Screwed Carbon Steel.....	20.73	11.38
23 21 13 23-1154 EA 2" Nipple, 4" Long, Screwed Carbon Steel.....	25.71	14.67
23 21 13 23-1155 EA 1/4" Nipple, 6" Long, Screwed Carbon Steel.....	17.51	9.33
23 21 13 23-1156 EA 1/2" Nipple, 6" Long, Screwed Carbon Steel.....	17.04	9.74
23 21 13 23-1157 EA 3/4" Nipple, 6" Long, Screwed Carbon Steel.....	17.11	9.74
23 21 13 23-1158 EA 1" Nipple, 6" Long, Screwed Carbon Steel.....	19.09	10.57
23 21 13 23-1159 EA 1-1/2" Nipple, 6" Long, Screwed Carbon Steel.....	22.47	11.38
23 21 13 23-1160 EA 2" Nipple, 6" Long, Screwed Carbon Steel.....	27.25	14.67
23 21 13 23-1161 Unions, Screwed Carbon Steel (23 21 13 23-1025)		
23 21 13 23-1162 EA 1/4" Union, 3,000 LB, Screwed Carbon Steel.....	32.86	22.67
23 21 13 23-1163 EA 1/2" Union, 3,000 LB, Screwed Carbon Steel.....	35.20	22.77
23 21 13 23-1164 EA 3/4" Union, 3,000 LB, Screwed Carbon Steel.....	40.49	26.36
23 21 13 23-1165 EA 1" Union, 3,000 LB, Screwed Carbon Steel.....	48.14	31.07
23 21 13 23-1166 EA 1-1/2" Union, 3,000 LB, Screwed Carbon Steel.....	68.72	44.10
23 21 13 23-1167 EA 2" Union, 3,000 LB, Screwed Carbon Steel.....	85.28	54.77
23 21 13 23-1168 EA 1/4" Union, 6,000 LB, Screwed Carbon Steel.....	46.56	22.67
23 21 13 23-1169 EA 1/2" Union, 6,000 LB, Screwed Carbon Steel.....	51.76	22.77
23 21 13 23-1170 EA 3/4" Union, 6,000 LB, Screwed Carbon Steel.....	60.54	26.36
23 21 13 23-1171 EA 1" Union, 6,000 LB, Screwed Carbon Steel.....	72.85	31.07
23 21 13 23-1172 EA 1-1/2" Union, 6,000 LB, Screwed Carbon Steel.....	119.26	44.10
23 21 13 23-1173 EA 2" Union, 6,000 LB, Screwed Carbon Steel.....	147.47	54.77
23 21 13 23-1174 Weld Neck Flanges, Screwed Carbon Steel (23 21 13 23-1025)		
23 21 13 23-1175 EA 1/2" Flange, 150 LB, Screwed Carbon Steel.....	70.84	42.36
23 21 13 23-1176 EA 3/4" Flange, 150 LB, Screwed Carbon Steel.....	74.15	44.41
23 21 13 23-1177 EA 1" Flange, 150 LB, Screwed Carbon Steel.....	77.05	46.35
23 21 13 23-1178 EA 1-1/2" Flange, 150 LB, Screwed Carbon Steel.....	86.07	52.21
23 21 13 23-1179 EA 2" Flange, 150 LB, Screwed Carbon Steel.....	89.49	54.46
23 21 13 23-1180 EA 1/2" Flange, 300 LB, Screwed Carbon Steel.....	71.31	42.36
<i>For Ring Type Joint, Add</i>	7.75	
<i>For Blind Flange, Deduct</i>	-26.97	
23 21 13 23-1181 EA 3/4" Flange, 300 LB, Screwed Carbon Steel.....	74.64	44.41
<i>For Ring Type Joint, Add</i>	8.01	
<i>For Blind Flange, Deduct</i>	-28.25	
23 21 13 23-1182 EA 1" Flange, 300 LB, Screwed Carbon Steel.....	77.79	46.35
<i>For Ring Type Joint, Add</i>	8.26	
<i>For Blind Flange, Deduct</i>	-29.46	
23 21 13 23-1183 EA 1-1/2" Flange, 300 LB, Screwed Carbon Steel.....	87.85	52.21
<i>For Ring Type Joint, Add</i>	9.56	
<i>For Blind Flange, Deduct</i>	-33.23	
23 21 13 23-1184 EA 2" Flange, 300 LB, Screwed Carbon Steel.....	91.27	54.46
<i>For Ring Type Joint, Add</i>	9.56	
<i>For Blind Flange, Deduct</i>	-34.60	
23 21 13 23-1185 EA 1/2" Flange, 600 LB, Screwed Carbon Steel.....	74.35	42.36
<i>For Ring Type Joint, Add</i>	10.79	
<i>For Blind Flange, Deduct</i>	-27.58	
23 21 13 23-1186 EA 3/4" Flange, 600 LB, Screwed Carbon Steel.....	77.42	44.41
<i>For Ring Type Joint, Add</i>	10.79	
<i>For Blind Flange, Deduct</i>	-28.81	
23 21 13 23-1187 EA 1" Flange, 600 LB, Screwed Carbon Steel.....	80.82	46.35
<i>For Ring Type Joint, Add</i>	11.29	
<i>For Blind Flange, Deduct</i>	-30.07	
23 21 13 23-1188 EA 1-1/2" Flange, 600 LB, Screwed Carbon Steel.....	91.59	52.21
<i>For Ring Type Joint, Add</i>	13.30	
<i>For Blind Flange, Deduct</i>	-33.98	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 20 HVAC Piping And Pumps****23 21 Hydronic Piping And Pumps**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-1189 EA 2" Flange, 600 LB, Screwed Carbon Steel.....	94.09	54.46
<i>For Ring Type Joint, Add</i>	12.38	
<i>For Blind Flange, Deduct</i>	-35.16	
23 21 13 23-1190 Square Head Plugs, Screwed Carbon Steel (23 21 13 23-1025)		
23 21 13 23-1191 EA 1/4" Square Head Plug, Screwed Carbon Steel.....	4.97	2.88
23 21 13 23-1192 EA 1/2" Square Head Plug, Screwed Carbon Steel.....	5.96	3.39
23 21 13 23-1193 EA 3/4" Square Head Plug, Screwed Carbon Steel.....	6.87	3.90
23 21 13 23-1194 EA 1" Square Head Plug, Screwed Carbon Steel.....	10.02	5.74
23 21 13 23-1195 EA 1-1/2" Square Head Plug, Screwed Carbon Steel.....	11.82	5.74
23 21 13 23-1196 EA 2" Square Head Plug, Screwed Carbon Steel.....	16.59	7.49
23 21 13 23-1197 Hex Head Plugs, Screwed Carbon Steel (23 21 13 23-1025)		
23 21 13 23-1198 EA 1/4" Hex Head Plug, Screwed Carbon Steel.....	4.79	2.88
23 21 13 23-1199 EA 1/2" Hex Head Plug, Screwed Carbon Steel.....	5.79	3.39
23 21 13 23-1200 EA 3/4" Hex Head Plug, Screwed Carbon Steel.....	6.76	3.90
23 21 13 23-1201 EA 1" Hex Head Plug, Screwed Carbon Steel.....	9.92	5.74
23 21 13 23-1202 EA 1-1/2" Hex Head Plug, Screwed Carbon Steel.....	11.42	5.74
23 21 13 23-1203 EA 2" Hex Head Plug, Screwed Carbon Steel.....	16.88	7.49
23 21 13 23-1204 Round Head Plugs, Screwed Carbon Steel (23 21 13 23-1025)		
23 21 13 23-1205 EA 1/4" Round Head Plug, Screwed Carbon Steel.....	5.37	2.88
23 21 13 23-1206 EA 1/2" Round Head Plug, Screwed Carbon Steel.....	5.98	3.39
23 21 13 23-1207 EA 3/4" Round Head Plug, Screwed Carbon Steel.....	6.79	3.90
23 21 13 23-1208 EA 1" Round Head Plug, Screwed Carbon Steel.....	10.08	5.74
23 21 13 23-1209 EA 1-1/2" Round Head Plug, Screwed Carbon Steel.....	12.31	5.74
23 21 13 23-1210 EA 2" Round Head Plug, Screwed Carbon Steel.....	16.77	7.49
23 21 13 23-1211 Hexagon Bushings, Screwed Carbon Steel (23 21 13 23-1025)		
23 21 13 23-1212 EA 1/4" Hex Bushing, Screwed Carbon Steel.....	4.92	2.88
23 21 13 23-1213 EA 1/2" Hex Bushing, Screwed Carbon Steel.....	5.78	3.39
23 21 13 23-1214 EA 3/4" Hex Bushing, Screwed Carbon Steel.....	6.71	3.90
23 21 13 23-1215 EA 1" Hex Bushing, Screwed Carbon Steel.....	10.05	5.74
23 21 13 23-1216 EA 1-1/2" Hex Bushing, Screwed Carbon Steel.....	11.39	5.74
23 21 13 23-1217 EA 2" Hex Bushing, Screwed Carbon Steel.....	16.46	7.49
23 21 13 23-1218 90 Degree Street Elbows, Screwed Carbon Steel (23 21 13 23-1025)		
23 21 13 23-1219 EA 1/4" 90 Degree Elbow, 3,000 LB, Screwed Carbon Steel.....	29.84	15.59
23 21 13 23-1220 EA 1/2" 90 Degree Elbow, 3,000 LB, Screwed Carbon Steel.....	34.34	18.26
23 21 13 23-1221 EA 3/4" 90 Degree Elbow, 3,000 LB, Screwed Carbon Steel.....	39.59	20.41
23 21 13 23-1222 EA 1" 90 Degree Elbow, 3,000 LB, Screwed Carbon Steel.....	45.68	22.77
23 21 13 23-1223 EA 1-1/2" 90 Degree Elbow, 3,000 LB, Screwed Carbon Steel.....	68.23	29.12
23 21 13 23-1224 EA 2" 90 Degree Elbow, 3,000 LB, Screwed Carbon Steel.....	90.56	37.03
23 21 13 23-1225 EA 1/2" 90 Degree Elbow, 6,000 LB, Screwed Carbon Steel.....	43.70	18.26
23 21 13 23-1226 EA 3/4" 90 Degree Elbow, 6,000 LB, Screwed Carbon Steel.....	58.63	20.41
23 21 13 23-1227 EA 1" 90 Degree Elbow, 6,000 LB, Screwed Carbon Steel.....	77.53	22.77
23 21 13 23-1228 EA 1-1/2" 90 Degree Elbow, 6,000 LB, Screwed Carbon Steel.....	155.84	29.12
23 21 13 23-1229 Screwed Carbon Steel Laterals (23 21 13 23-1025)		
23 21 13 23-1230 EA 1/2" Lateral, Straight, 3,000 LB, Screwed Carbon Steel.....	98.67	22.77
23 21 13 23-1231 EA 3/4" Lateral, Straight, 3,000 LB, Screwed Carbon Steel.....	117.94	26.36
23 21 13 23-1232 EA 1" Lateral, Straight, 3,000 LB, Screwed Carbon Steel.....	143.62	31.07
23 21 13 23-1233 EA 1-1/2" Lateral, Straight, 3,000 LB, Screwed Carbon Steel.....	187.28	44.10
23 21 13 23-1234 EA 2" Lateral, Straight, 3,000 LB, Screwed Carbon Steel.....	233.44	54.77
23 21 13 23-1235 EA 1/2" Lateral, Straight, 3,000 LB, Screwed Carbon Steel.....	120.53	22.77
23 21 13 23-1236 EA 3/4" Lateral, Straight, 6,000 LB, Screwed Carbon Steel.....	150.46	26.36
23 21 13 23-1237 EA 1" Lateral, Straight, 6,000 LB, Screwed Carbon Steel.....	178.39	31.07
23 21 13 23-1238 EA 1-1/2" Lateral, Straight, 6,000 LB, Screwed Carbon Steel.....	251.20	44.10
23 21 13 23-1239 Grooved-Joint Pipe (23 21 13 23)		
Note: Includes grooving of pipe. Excludes hangers, elbow, tee, reducer fitting or couplings.		
23 21 13 23-1240 Schedule 10 Black Grooved Pipe (23 21 13 23-1239)		
23 21 13 23-1241 LF 2" Black Schedule 10 Grooved Pipe.....	23.18	13.03
23 21 13 23-1242 LF 2-1/2" Black Schedule 10 Grooved Pipe.....	31.58	17.84
23 21 13 23-1243 LF 3" Black Schedule 10 Grooved Pipe.....	35.24	19.79
23 21 13 23-1244 LF 3-1/2" Black Schedule 10 Grooved Pipe.....	37.91	20.51
23 21 13 23-1245 LF 4" Black Schedule 10 Grooved Pipe.....	40.62	22.26
23 21 13 23-1246 LF 5" Black Schedule 10 Grooved Pipe.....	53.64	27.28
23 21 13 23-1247 LF 6" Black Schedule 10 Grooved Pipe.....	72.40	38.76
23 21 13 23-1248 LF 8" Black Schedule 10 Grooved Pipe.....	90.44	43.49
23 21 13 23-1249 LF 10" Black Schedule 10 Grooved Pipe.....	111.52	52.41
23 21 13 23-1250 LF 12" Black Schedule 10 Grooved Pipe.....	127.71	59.38



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
				23 21 13 23-1251 Schedule 40 Black Grooved Pipe (23 21 13 23-1239)		
			LF	3/4" Black Schedule 40 Grooved Pipe.....	13.97	7.90
			LF	1" Black Schedule 40 Grooved Pipe.....	15.77	8.93
			LF	1-1/4" Black Schedule 40 Grooved Pipe.....	17.53	9.64
			LF	1-1/2" Black Schedule 40 Grooved Pipe.....	19.94	10.98
			LF	2" Black Schedule 40 Grooved Pipe.....	25.28	13.95
			LF	2-1/2" Black Schedule 40 Grooved Pipe.....	34.88	19.08
			LF	3" Black Schedule 40 Grooved Pipe.....	40.48	21.74
			LF	4" Black Schedule 40 Grooved Pipe.....	47.41	24.21
			LF	5" Black Schedule 40 Grooved Pipe.....	61.80	29.44
			LF	6" Black Schedule 40 Grooved Pipe.....	85.65	42.46
			LF	8" Black Schedule 40 Grooved Pipe.....	106.40	48.10
			LF	10" Black Schedule 40 Grooved Pipe.....	138.69	57.43
			LF	12" Black Schedule 40 Grooved Pipe.....	161.85	65.95
			LF	14" Black Schedule 40 Grooved Pipe.....	215.40	89.13
			LF	16" Black Schedule 40 Grooved Pipe.....	251.19	104.82
			LF	18" Black Schedule 40 Grooved Pipe.....	309.30	127.28
			LF	20" Black Schedule 40 Grooved Pipe.....	358.19	148.41
			LF	24" Black Schedule 40 Grooved Pipe.....	454.03	178.15
				23 21 13 23-1270 Schedule 80 Black Grooved Pipe (23 21 13 23-1239)		
			LF	3/4" Black Schedule 80 Grooved Pipe.....	15.29	8.62
			LF	1" Black Schedule 80 Grooved Pipe.....	16.63	9.13
			LF	1-1/4" Black Schedule 80 Grooved Pipe.....	18.99	10.15
			LF	1-1/2" Black Schedule 80 Grooved Pipe.....	21.48	11.38
			LF	2" Black Schedule 80 Grooved Pipe.....	27.74	14.67
			LF	2-1/2" Black Schedule 80 Grooved Pipe.....	38.59	20.21
			LF	3" Black Schedule 80 Grooved Pipe.....	44.80	22.67
			LF	4" Black Schedule 80 Grooved Pipe.....	52.93	24.72
			LF	5" Black Schedule 80 Grooved Pipe.....	74.86	31.07
			LF	6" Black Schedule 80 Grooved Pipe.....	101.04	44.51
			LF	8" Black Schedule 80 Grooved Pipe.....	137.11	50.87
			LF	10" Black Schedule 80 Grooved Pipe.....	168.93	61.43
			LF	12" Black Schedule 80 Grooved Pipe.....	186.46	74.25
				23 21 13 23-1284 Schedule 40 Galvanized Grooved Pipe (23 21 13 23-1239)		
			LF	3/4" Galvanized Schedule 40 Grooved Pipe.....	14.61	7.90
			LF	1" Galvanized Schedule 40 Grooved Pipe.....	16.74	8.93
			LF	1-1/4" Galvanized Schedule 40 Grooved Pipe.....	18.46	9.64
			LF	1-1/2" Galvanized Schedule 40 Grooved Pipe.....	21.01	10.98
			LF	2" Galvanized Schedule 40 Grooved Pipe.....	26.65	13.95
			LF	2-1/2" Galvanized Schedule 40 Grooved Pipe.....	36.97	19.08
			LF	3" Galvanized Schedule 40 Grooved Pipe.....	43.20	21.74
			LF	4" Galvanized Schedule 40 Grooved Pipe.....	51.25	24.21
			LF	5" Galvanized Schedule 40 Grooved Pipe.....	68.50	29.44
			LF	6" Galvanized Schedule 40 Grooved Pipe.....	94.47	42.46
			LF	8" Galvanized Schedule 40 Grooved Pipe.....	119.16	48.10
			LF	10" Galvanized Schedule 40 Grooved Pipe.....	159.96	57.43
			LF	12" Galvanized Schedule 40 Grooved Pipe.....	187.49	65.95
				23 21 13 23-1298 Schedule 80 Galvanized Grooved Pipe (23 21 13 23-1239)		
			LF	3/4" Galvanized Schedule 80 Grooved Pipe.....	15.80	8.62
			LF	1" Galvanized Schedule 80 Grooved Pipe.....	19.01	9.13
			LF	1-1/4" Galvanized Schedule 80 Grooved Pipe.....	19.92	10.15
			LF	1-1/2" Galvanized Schedule 80 Grooved Pipe.....	25.18	12.10
			LF	2" Galvanized Schedule 80 Grooved Pipe.....	29.22	14.67
			LF	2-1/2" Galvanized Schedule 80 Grooved Pipe.....	40.86	20.21
			LF	3" Galvanized Schedule 80 Grooved Pipe.....	47.93	22.67
			LF	4" Galvanized Schedule 80 Grooved Pipe.....	57.42	24.72
			LF	5" Galvanized Schedule 80 Grooved Pipe.....	81.72	31.07
			LF	6" Galvanized Schedule 80 Grooved Pipe.....	109.14	44.51
			LF	8" Galvanized Schedule 80 Grooved Pipe.....	151.11	50.87
			LF	10" Galvanized Schedule 80 Grooved Pipe.....	180.50	61.43
			LF	12" Galvanized Schedule 80 Grooved Pipe.....	203.35	74.25
				23 21 13 23-1312 Painted Grooved-Joint Pipe Fittings (23 21 13 23)		
				Note: Couplings are not included with fittings.		
				23 21 13 23-1313 Grooved Elbows (23 21 13 23-1312)		
				23 21 13 23-1314 90 Degree Grooved Elbows (23 21 13 23-1313)		
				Note: Victaulic No. 10		
			EA	3/4" 90 Degree Elbow, Ductile Iron, Grooved.....	49.74	11.18
				<i>For Galvanized Fittings, Add</i>	10.88	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 20 HVAC Piping And Pumps****23 21 Hydronic Piping And Pumps**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-1316 EA 1" 90 Degree Elbow, Ductile Iron, Grooved	49.74	11.18
For Galvanized Fittings, Add	10.88	
23 21 13 23-1317 EA 1-1/4" 90 Degree Elbow, Ductile Iron, Grooved	53.93	13.95
For Galvanized Fittings, Add	10.88	
23 21 13 23-1318 EA 1-1/2" 90 degree Elbow, Ductile Iron, Grooved	58.37	16.92
For Galvanized Fittings, Add	10.88	
23 21 13 23-1319 EA 2" 90 Degree Elbow, Ductile Iron, Grooved	66.50	22.36
For Galvanized Fittings, Add	10.88	
23 21 13 23-1320 EA 2-1/2" 90 Degree Elbow, Ductile Iron, Grooved	73.81	27.28
For Galvanized Fittings, Add	10.88	
23 21 13 23-1321 EA 3" 90 Degree Elbow, Ductile Iron, Grooved	108.08	33.02
For Galvanized Fittings, Add	19.33	
23 21 13 23-1322 EA 4" 90 Degree Elbow, Ductile Iron, Grooved	129.14	43.59
For Galvanized Fittings, Add	21.06	
23 21 13 23-1323 EA 5" 90 Degree Elbow, Ductile Iron, Grooved	237.00	54.46
For Galvanized Fittings, Add	51.26	
23 21 13 23-1324 EA 6" 90 Degree Elbow, Ductile Iron, Grooved	287.36	71.29
For Galvanized Fittings, Add	59.57	
23 21 13 23-1325 EA 8" 90 Degree Elbow, Ductile Iron, Grooved	507.15	84.82
For Galvanized Fittings, Add	125.39	
23 21 13 23-1326 EA 10" 90 Degree Elbow, Ductile Iron, Grooved	740.37	98.97
For Galvanized Fittings, Add	195.36	
23 21 13 23-1327 EA 12" 90 Degree Elbow, Ductile Iron, Grooved	1,126.92	118.77
For Galvanized Fittings, Add	313.12	
23 21 13 23-1328 EA 14" 90 Degree Elbow, Steel, Grooved	2,174.31	134.05
For Galvanized Fittings, Add	651.19	
23 21 13 23-1329 EA 16" 90 Degree Elbow, Steel, Grooved	2,804.62	148.41
For Galvanized Fittings, Add	852.08	
23 21 13 23-1330 EA 18" 90 Degree Elbow, Steel, Grooved	3,517.88	162.15
For Galvanized Fittings, Add	1,080.69	
23 21 13 23-1331 EA 20" 90 Degree Elbow, Steel, Grooved	4,556.30	168.61
For Galvanized Fittings, Add	1,420.14	
23 21 13 23-1332 EA 24" 90 Degree Elbow, Steel, Grooved	6,491.60	199.38
For Galvanized Fittings, Add	2,043.61	
23 21 13 23-1333 45 Degree Grooved Elbows (23 21 13 23-1313)		
Note: Victaulic No. 11		
23 21 13 23-1334 EA 3/4" 45 Degree Elbow, Ductile Iron, Grooved	49.72	11.18
For Galvanized Fittings, Add	7.91	
23 21 13 23-1335 EA 1" 45 Degree Elbow, Ductile Iron, Grooved	49.72	11.18
For Galvanized Fittings, Add	7.91	
23 21 13 23-1336 EA 1-1/4" 45 Degree Elbow, Ductile Iron, Grooved	53.91	13.95
For Galvanized Fittings, Add	7.91	
23 21 13 23-1337 EA 1-1/2" 45 degree Elbow, Ductile Iron, Grooved	58.35	16.92
For Galvanized Fittings, Add	7.91	
23 21 13 23-1338 EA 2" 45 Degree Elbow, Ductile Iron, Grooved	66.48	22.36
For Galvanized Fittings, Add	7.91	
23 21 13 23-1339 EA 2-1/2" 45 Degree Elbow, Ductile Iron, Grooved	73.79	27.28
For Galvanized Fittings, Add	7.91	
23 21 13 23-1340 EA 3" 45 Degree Elbow, Ductile Iron, Grooved	108.06	33.02
For Galvanized Fittings, Add	14.06	
23 21 13 23-1341 EA 4" 45 Degree Elbow, Ductile Iron, Grooved	129.14	43.59
For Galvanized Fittings, Add	15.32	
23 21 13 23-1342 EA 5" 45 Degree Elbow, Ductile Iron, Grooved	237.00	54.46
For Galvanized Fittings, Add	37.28	
23 21 13 23-1343 EA 6" 45 Degree Elbow, Ductile Iron, Grooved	287.36	71.29
For Galvanized Fittings, Add	43.33	
23 21 13 23-1344 EA 8" 45 Degree Elbow, Ductile Iron, Grooved	507.15	84.82
For Galvanized Fittings, Add	91.19	
23 21 13 23-1345 EA 10" 45 Degree Elbow, Ductile Iron, Grooved	740.37	98.97
For Galvanized Fittings, Add	142.08	
23 21 13 23-1346 EA 12" 45 Degree Elbow, Ductile Iron, Grooved	1,126.92	118.77
For Galvanized Fittings, Add	227.73	
23 21 13 23-1347 EA 14" 45 Degree Elbow, Steel, Grooved	2,174.31	134.05
For Galvanized Fittings, Add	473.59	
23 21 13 23-1348 EA 16" 45 Degree Elbow, Steel, Grooved	2,804.62	148.41
For Galvanized Fittings, Add	619.70	
23 21 13 23-1349 EA 18" 45 Degree Elbow, Steel, Grooved	3,517.88	162.15
For Galvanized Fittings, Add	785.96	
23 21 13 23-1350 EA 20" 45 Degree Elbow, Steel, Grooved	4,556.75	168.92
For Galvanized Fittings, Add	1,032.83	
23 21 13 23-1351 EA 24" 45 Degree Elbow, Steel, Grooved	6,491.60	199.38
For Galvanized Fittings, Add	1,486.26	
23 21 13 23-1352 22-1/2 Degree Grooved Elbows (23 21 13 23-1313)		
Note: Victaulic No. 12		
23 21 13 23-1353 EA 1" 22-1/2 Degree Elbow, Ductile Iron, Grooved	51.89	11.18
For Galvanized Fittings, Add	8.43	
23 21 13 23-1354 EA 1-1/4" 22-1/2 Degree Elbow, Ductile Iron, Grooved	56.08	13.95
For Galvanized Fittings, Add	8.43	
23 21 13 23-1355 EA 1-1/2" 22-1/2 Degree Elbow, Ductile Iron, Grooved	60.52	16.92
For Galvanized Fittings, Add	8.43	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-1356 EA 2" 22-1/2 Degree Elbow, Ductile Iron, Grooved <i>For Galvanized Fittings, Add</i>	68.65 8.43	22.36
23 21 13 23-1357 EA 2-1/2" 22-1/2 Degree Elbow, Ductile Iron, Grooved <i>For Galvanized Fittings, Add</i>	75.96 8.43	27.28
23 21 13 23-1358 EA 3" 22-1/2 Degree Elbow, Ductile Iron, Grooved <i>For Galvanized Fittings, Add</i>	100.87 12.33	33.02
23 21 13 23-1359 EA 4" 22-1/2 Degree Elbow, Ductile Iron, Grooved <i>For Galvanized Fittings, Add</i>	134.21 16.53	43.59
23 21 13 23-1360 EA 5" 22-1/2 Degree Elbow, Steel, Grooved <i>For Galvanized Fittings, Add</i>	295.31 51.28	54.46
23 21 13 23-1361 EA 6" 22-1/2 Degree Elbow, Ductile Iron, Grooved <i>For Galvanized Fittings, Add</i>	302.00 46.84	71.29
23 21 13 23-1362 EA 8" 22-1/2 Degree Elbow, Ductile Iron, Grooved <i>For Galvanized Fittings, Add</i>	535.56 98.01	84.82
23 21 13 23-1363 EA 10" 22-1/2 Degree Elbow, Steel, Grooved <i>For Galvanized Fittings, Add</i>	709.02 134.55	98.97
23 21 13 23-1364 EA 12" 22-1/2 Degree Elbow, Steel, Grooved <i>For Galvanized Fittings, Add</i>	935.99 181.90	118.77
23 21 13 23-1365 EA 14" 22-1/2 Degree Elbow, Steel, Grooved <i>For Galvanized Fittings, Add</i>	1,076.45 210.10	134.05
23 21 13 23-1366 EA 16" 22-1/2 Degree Elbow, Steel, Grooved <i>For Galvanized Fittings, Add</i>	1,272.51 251.99	148.41
23 21 13 23-1367 EA 18" 22-1/2 Degree Elbow, Steel, Grooved <i>For Galvanized Fittings, Add</i>	1,514.65 305.18	162.15
23 21 13 23-1368 EA 20" 22-1/2 Degree Elbow, Steel, Grooved <i>For Galvanized Fittings, Add</i>	1,756.21 360.80	168.61
23 21 13 23-1369 EA 24" 22-1/2 Degree Elbow, Steel, Grooved <i>For Galvanized Fittings, Add</i>	2,319.02 484.84	199.38
23 21 13 23-1370 11-1/4 Degree Grooved Elbows (23 21 13 23-1313) Note: Victaulic No. 13		
23 21 13 23-1371 EA 1" 11-1/4 Degree Elbow, Ductile Iron, Grooved <i>For Galvanized Fittings, Add</i>	51.89 8.43	11.18
23 21 13 23-1372 EA 1-1/4" 11-1/4 Degree Elbow, Ductile Iron, Grooved <i>For Galvanized Fittings, Add</i>	56.08 8.43	13.95
23 21 13 23-1373 EA 1-1/2" 11-1/4 Degree Elbow, Ductile Iron, Grooved <i>For Galvanized Fittings, Add</i>	60.52 8.43	16.92
23 21 13 23-1374 EA 2" 11-1/4 Degree Elbow, Ductile Iron, Grooved <i>For Galvanized Fittings, Add</i>	68.65 8.43	22.36
23 21 13 23-1375 EA 2-1/2" 11-1/4 Degree Elbow, Ductile Iron, Grooved <i>For Galvanized Fittings, Add</i>	75.96 8.43	27.28
23 21 13 23-1376 EA 3" 11-1/4 Degree Elbow, Ductile Iron, Grooved <i>For Galvanized Fittings, Add</i>	100.87 12.33	33.02
23 21 13 23-1377 EA 4" 11-1/4 Degree Elbow, Ductile Iron, Grooved <i>For Galvanized Fittings, Add</i>	134.21 16.53	43.59
23 21 13 23-1378 EA 5" 11-1/4 Degree Elbow, Steel, Grooved <i>For Galvanized Fittings, Add</i>	295.30 51.27	54.46
23 21 13 23-1379 EA 6" 11-1/4 Degree Elbow, Ductile Iron, Grooved <i>For Galvanized Fittings, Add</i>	301.99 46.84	71.29
23 21 13 23-1380 EA 8" 11-1/4 Degree Elbow, Ductile Iron, Grooved <i>For Galvanized Fittings, Add</i>	535.53 98.00	84.82
23 21 13 23-1381 EA 10" 11-1/4 Degree Elbow, Steel, Grooved <i>For Galvanized Fittings, Add</i>	708.99 134.55	98.97
23 21 13 23-1382 EA 12" 11-1/4 Degree Elbow, Steel, Grooved <i>For Galvanized Fittings, Add</i>	935.95 181.89	118.77
23 21 13 23-1383 EA 14" 11-1/4 Degree Elbow, Steel, Grooved <i>For Galvanized Fittings, Add</i>	1,076.42 210.09	134.05
23 21 13 23-1384 EA 16" 11-1/4 Degree Elbow, Steel, Grooved <i>For Galvanized Fittings, Add</i>	1,272.49 251.98	148.51
23 21 13 23-1385 EA 18" 11-1/4 Degree Elbow, Steel, Grooved <i>For Galvanized Fittings, Add</i>	1,514.55 305.16	162.15
23 21 13 23-1386 EA 20" 11-1/4 Degree Elbow, Steel, Grooved <i>For Galvanized Fittings, Add</i>	1,756.13 360.78	168.61
23 21 13 23-1387 EA 24" 11-1/4 Degree Elbow, Steel, Grooved <i>For Galvanized Fittings, Add</i>	2,318.91 484.82	199.38
23 21 13 23-1388 90 Degree Grooved Long Radius Elbows (23 21 13 23-1313) Note: Victaulic No. 100		
23 21 13 23-1389 EA 2" 90 Degree Long Radius Elbow, Ductile Iron, Grooved <i>For Galvanized Fittings, Add</i>	108.92 18.10	22.36
23 21 13 23-1390 EA 2-1/2" 90 Degree Long Radius Elbow, Steel, Grooved <i>For Galvanized Fittings, Add</i>	259.62 52.51	27.28
23 21 13 23-1391 EA 3" 90 Degree Long Radius Elbow, Ductile Iron, Grooved <i>For Galvanized Fittings, Add</i>	124.89 18.10	33.02
23 21 13 23-1392 EA 4" 90 Degree Long Radius Elbow, Ductile Iron, Grooved <i>For Galvanized Fittings, Add</i>	178.27 27.11	43.59
23 21 13 23-1393 EA 5" 90 Degree Long Radius Elbow, Steel Grooved <i>For Galvanized Fittings, Add</i>	660.61 138.95	54.46
23 21 13 23-1394 EA 6" 90 Degree Long Radius Elbow, Ductile Iron, Grooved <i>For Galvanized Fittings, Add</i>	437.26 79.30	71.29
23 21 13 23-1395 EA 8" 90 Degree Long Radius Elbow, Ductile Iron, Grooved <i>For Galvanized Fittings, Add</i>	919.78 190.22	84.82

23 Heating, Ventilating, And Air-Conditioning (HVAC)

23 20 HVAC Piping And Pumps

23 21 Hydronic Piping And Pumps



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21	13 23-1396	EA	10" 90 Degree Long Radius Elbow, Ductile Iron, Grooved <i>For Galvanized Fittings, Add</i>	1,791.75 394.41	98.97
23 21	13 23-1397	EA	12" 90 Degree Long Radius Elbow, Ductile Iron, Grooved <i>For Galvanized Fittings, Add</i>	2,137.78 470.33	118.77
23 21 13 23-1398 Grooved Tees, Wyes And Crosses (23 21 13 23-1312)					
23 21 13 23-1399 Grooved Tees (23 21 13 23-1398)					
Note: Victaulic No. 20					
23 21	13 23-1400	EA	3/4" Tee, Ductile Iron, Grooved <i>For Galvanized Fittings, Add</i>	72.45 15.12	14.67
23 21	13 23-1401	EA	1" Tee, Ductile Iron, Grooved <i>For Galvanized Fittings, Add</i>	75.79 15.12	16.92
23 21	13 23-1402	EA	1-1/4" Tee, Ductile Iron, Grooved <i>For Galvanized Fittings, Add</i>	81.43 15.12	20.72
23 21	13 23-1403	EA	1-1/2" Tee, Ductile Iron, Grooved <i>For Galvanized Fittings, Add</i>	88.49 15.12	25.43
23 21	13 23-1404	EA	2" Tee, Ductile Iron, Grooved <i>For Galvanized Fittings, Add</i>	99.69 15.12	32.92
23 21	13 23-1405	EA	2-1/2" Tee, Ductile Iron, Grooved <i>For Galvanized Fittings, Add</i>	110.89 15.12	40.30
23 21	13 23-1406	EA	3" Tee, Ductile Iron, Grooved <i>For Galvanized Fittings, Add</i>	144.83 21.18	49.54
23 21	13 23-1407	EA	4" Tee, Ductile Iron, Grooved <i>For Galvanized Fittings, Add</i>	204.36 32.49	64.10
23 21	13 23-1408	EA	5" Tee, Ductile Iron, Grooved <i>For Galvanized Fittings, Add</i>	379.71 76.22	83.79
23 21	13 23-1409	EA	6" Tee, Ductile Iron, Grooved <i>For Galvanized Fittings, Add</i>	450.75 88.09	104.82
23 21	13 23-1410	EA	8" Tee, Ductile Iron, Grooved <i>For Galvanized Fittings, Add</i>	832.22 192.43	127.28
23 21	13 23-1411	EA	10" Tee, Ductile Iron, Grooved <i>For Galvanized Fittings, Add</i>	1,367.99 343.63	148.41
23 21	13 23-1412	EA	12" Tee, Ductile Iron, Grooved <i>For Galvanized Fittings, Add</i>	1,870.68 481.08	178.15
23 21	13 23-1413	EA	14" Tee, Steel, Grooved <i>For Galvanized Fittings, Add</i>	2,046.13 524.81	197.94
23 21	13 23-1414	EA	16" Tee, Steel, Grooved <i>For Galvanized Fittings, Add</i>	2,526.83 668.51	199.07
23 21	13 23-1415	EA	18" Tee, Steel, Grooved <i>For Galvanized Fittings, Add</i>	3,119.85 837.20	219.59
23 21	13 23-1416	EA	20" Tee, Steel, Grooved <i>For Galvanized Fittings, Add</i>	4,332.94 1,199.57	223.08
23 21	13 23-1417	EA	24" Tee, Steel, Grooved <i>For Galvanized Fittings, Add</i>	6,554.52 1,843.09	274.04
23 21 13 23-1418 Grooved Wyes (90 Degree True Wye) (23 21 13 23-1398)					
Note: Victaulic No. 33					
23 21	13 23-1419	EA	1" Wye, Steel, Grooved <i>For Galvanized Fittings, Add</i>	238.04 34.02	16.92
23 21	13 23-1420	EA	1-1/4" Wye, Steel, Grooved <i>For Galvanized Fittings, Add</i>	243.68 34.02	20.72
23 21	13 23-1421	EA	1-1/2" Wye, Steel, Grooved <i>For Galvanized Fittings, Add</i>	250.74 34.02	25.43
23 21	13 23-1422	EA	2" Wye, Steel, Grooved <i>For Galvanized Fittings, Add</i>	261.94 34.02	32.92
23 21	13 23-1423	EA	2-1/2" Wye, Steel, Grooved <i>For Galvanized Fittings, Add</i>	273.14 34.02	40.30
23 21	13 23-1424	EA	3" Wye, Steel, Grooved <i>For Galvanized Fittings, Add</i>	328.42 40.67	49.54
23 21	13 23-1425	EA	4" Wye, Steel, Grooved <i>For Galvanized Fittings, Add</i>	429.01 53.27	64.10
23 21	13 23-1426	EA	5" Wye, Steel, Grooved <i>For Galvanized Fittings, Add</i>	602.85 76.36	83.79
23 21	13 23-1427	EA	6" Wye, Steel, Grooved <i>For Galvanized Fittings, Add</i>	747.56 94.47	104.82
23 21	13 23-1428	EA	8" Wye, Steel, Grooved <i>For Galvanized Fittings, Add</i>	1,041.20 136.07	127.28
23 21	13 23-1429	EA	10" Wye, Steel, Grooved <i>For Galvanized Fittings, Add</i>	1,690.38 234.85	148.41
23 21	13 23-1430	EA	12" Wye, Steel, Grooved <i>For Galvanized Fittings, Add</i>	1,888.67 259.45	178.15
23 21	13 23-1431	EA	14" Wye, Steel, Grooved <i>For Galvanized Fittings, Add</i>	2,148.43 296.27	197.94
23 21	13 23-1432	EA	16" Wye, Steel, Grooved <i>For Galvanized Fittings, Add</i>	2,703.23 384.81	198.87
23 21	13 23-1433	EA	18" Wye, Steel, Grooved <i>For Galvanized Fittings, Add</i>	3,080.69 440.18	219.79
23 21	13 23-1434	EA	20" Wye, Steel, Grooved <i>For Galvanized Fittings, Add</i>	4,323.93 638.41	222.66
23 21	13 23-1435	EA	24" Wye, Steel, Grooved <i>For Galvanized Fittings, Add</i>	6,614.34 992.55	274.04



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-1436 Grooved Crosses <small>(23 21 13 23-1398)</small>		
<i>Note: Victaulic No. 35</i>		
23 21 13 23-1437 EA 3/4" Cross, Steel, Grooved	170.74	22.05
<i>For Galvanized Fittings, Add</i>	<i>20.65</i>	
23 21 13 23-1438 EA 1" Cross, Steel, Grooved	175.76	25.43
<i>For Galvanized Fittings, Add</i>	<i>20.65</i>	
23 21 13 23-1439 EA 1-1/4" Cross, Steel, Grooved	212.72	31.07
<i>For Galvanized Fittings, Add</i>	<i>24.92</i>	
23 21 13 23-1440 EA 1-1/2" Cross, Steel, Grooved	236.18	38.15
<i>For Galvanized Fittings, Add</i>	<i>26.86</i>	
23 21 13 23-1441 EA 2" Cross, Steel, Grooved	175.13	49.33
<i>For Galvanized Fittings, Add</i>	<i>15.18</i>	
23 21 13 23-1442 EA 2-1/2" Cross, Steel, Grooved	191.92	60.51
<i>For Galvanized Fittings, Add</i>	<i>15.18</i>	
23 21 13 23-1443 EA 3" Cross, Steel, Grooved	293.17	74.25
<i>For Galvanized Fittings, Add</i>	<i>27.27</i>	
23 21 13 23-1444 EA 4" Cross, Steel, Grooved	446.78	96.10
<i>For Galvanized Fittings, Add</i>	<i>45.40</i>	
23 21 13 23-1445 EA 5" Cross, Steel, Grooved	806.76	125.64
<i>For Galvanized Fittings, Add</i>	<i>92.75</i>	
23 21 13 23-1446 EA 6" Cross, Steel, Grooved	1,031.22	157.23
<i>For Galvanized Fittings, Add</i>	<i>119.33</i>	
23 21 13 23-1447 EA 8" Cross, Steel, Grooved	1,333.90	190.87
<i>For Galvanized Fittings, Add</i>	<i>157.16</i>	
23 21 13 23-1448 EA 10" Cross, Steel, Grooved	2,120.83	222.66
<i>For Galvanized Fittings, Add</i>	<i>268.05</i>	
23 21 13 23-1449 EA 12" Cross, Steel, Grooved	2,979.37	267.28
<i>For Galvanized Fittings, Add</i>	<i>386.81</i>	
23 21 13 23-1450 EA 14" Cross, Steel, Grooved	3,116.86	296.91
<i>For Galvanized Fittings, Add</i>	<i>400.76</i>	
23 21 13 23-1451 EA 16" Cross, Steel, Grooved	3,942.74	298.66
<i>For Galvanized Fittings, Add</i>	<i>524.25</i>	
23 21 13 23-1452 EA 18" Cross, Steel, Grooved	4,777.82	329.33
<i>For Galvanized Fittings, Add</i>	<i>642.61</i>	
23 21 13 23-1453 EA 20" Cross, Steel, Grooved	6,570.80	334.45
<i>For Galvanized Fittings, Add</i>	<i>910.40</i>	
23 21 13 23-1454 EA 24" Cross, Steel, Grooved	9,986.05	411.07
<i>For Galvanized Fittings, Add</i>	<i>1,405.45</i>	
23 21 13 23-1455 Grooved Reducing Tees <small>(23 21 13 23-1398)</small>		
<i>Note: Victaulic No. 25</i>		
23 21 13 23-1456 EA 1" Reducing Tee, Steel, Grooved	122.63	16.92
<i>For Galvanized Fittings, Add</i>	<i>19.45</i>	
23 21 13 23-1457 EA 1-1/4" Reducing Tee, Steel, Grooved	131.33	20.72
<i>For Galvanized Fittings, Add</i>	<i>20.06</i>	
23 21 13 23-1458 EA 1-1/2" Reducing Tee, Steel, Grooved	140.89	25.43
<i>For Galvanized Fittings, Add</i>	<i>20.56</i>	
23 21 13 23-1459 EA 2" Reducing Tee, Steel, Grooved	169.64	32.92
<i>For Galvanized Fittings, Add</i>	<i>24.07</i>	
23 21 13 23-1460 EA 2-1/2" Reducing Tee, Steel, Grooved	193.22	40.30
<i>For Galvanized Fittings, Add</i>	<i>26.55</i>	
23 21 13 23-1461 EA 3" Reducing Tee, Steel, Grooved	219.51	49.54
<i>For Galvanized Fittings, Add</i>	<i>29.06</i>	
23 21 13 23-1462 EA 4" Reducing Tee, Steel, Grooved	292.00	64.10
<i>For Galvanized Fittings, Add</i>	<i>39.19</i>	
23 21 13 23-1463 EA 5" Reducing Tee, Steel, Grooved	384.34	83.79
<i>For Galvanized Fittings, Add</i>	<i>51.74</i>	
23 21 13 23-1464 EA 6" Reducing Tee, Steel, Grooved	521.05	104.82
<i>For Galvanized Fittings, Add</i>	<i>72.79</i>	
23 21 13 23-1465 EA 8" Reducing Tee, Steel, Grooved	791.29	127.28
<i>For Galvanized Fittings, Add</i>	<i>120.10</i>	
23 21 13 23-1466 EA 10" Reducing Tee, Steel, Grooved	1,107.84	148.41
<i>For Galvanized Fittings, Add</i>	<i>177.05</i>	
23 21 13 23-1467 EA 12" Reducing Tee, Steel, Grooved	1,573.01	178.15
<i>For Galvanized Fittings, Add</i>	<i>261.18</i>	
23 21 13 23-1468 EA 14" Reducing Tee, Steel, Grooved	1,780.00	197.94
<i>For Galvanized Fittings, Add</i>	<i>296.65</i>	
23 21 13 23-1469 EA 16" Reducing Tee, Steel, Grooved	2,225.19	199.07
<i>For Galvanized Fittings, Add</i>	<i>385.34</i>	
23 21 13 23-1470 EA 18" Reducing Tee, Steel, Grooved	2,687.90	219.59
<i>For Galvanized Fittings, Add</i>	<i>471.75</i>	
23 21 13 23-1471 EA 20" Reducing Tee, Steel, Grooved	3,707.75	222.97
<i>For Galvanized Fittings, Add</i>	<i>674.69</i>	
23 21 13 23-1472 EA 24" Reducing Tee, Steel, Grooved	5,844.84	274.04
<i>For Galvanized Fittings, Add</i>	<i>1,086.79</i>	
23 21 13 23-1473 Grooved 45 Degree Lateral Wyes <small>(23 21 13 23-1398)</small>		
<i>Note: Victaulic No. 30</i>		
23 21 13 23-1474 EA 3/4" 45 Degree Lateral Wye, Steel, Grooved	223.43	14.67
<i>For Galvanized Fittings, Add</i>	<i>36.25</i>	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 20 HVAC Piping And Pumps****23 21 Hydronic Piping And Pumps**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21	13 23-1475	EA	1" 45 Degree Lateral Wye, Steel, Grooved..... <i>For Galvanized Fittings, Add</i>	226.77 36.25	16.92
23 21	13 23-1476	EA	1-1/4" 45 Degree Lateral Wye, Steel, Grooved..... <i>For Galvanized Fittings, Add</i>	232.41 36.25	20.72
23 21	13 23-1477	EA	1-1/2" 45 Degree Lateral Wye, Steel, Grooved..... <i>For Galvanized Fittings, Add</i>	239.47 36.25	25.43
23 21	13 23-1478	EA	2" 45 Degree Lateral Wye, Steel, Grooved..... <i>For Galvanized Fittings, Add</i>	250.67 36.25	32.92
23 21	13 23-1479	EA	2-1/2" Wye, 45 Degree Lateral, Steel, Grooved..... <i>For Galvanized Fittings, Add</i>	261.87 36.25	40.30
23 21	13 23-1480	EA	3" Wye, 45 Degree Lateral, Steel, Grooved..... <i>For Galvanized Fittings, Add</i>	248.20 31.31	49.54
23 21	13 23-1481	EA	3-1/2" Wye, 45 Degree Lateral, Steel, Grooved..... <i>For Galvanized Fittings, Add</i>	380.33 53.06	57.13
23 21	13 23-1482	EA	4" 45 Degree Lateral Wye, Steel, Grooved..... <i>For Galvanized Fittings, Add</i>	439.17 61.76	64.10
23 21	13 23-1483	EA	5" 45 Degree Lateral Wye, Steel, Grooved..... <i>For Galvanized Fittings, Add</i>	627.05 90.26	83.79
23 21	13 23-1484	EA	6" 45 Degree Lateral Wye, Steel, Grooved..... <i>For Galvanized Fittings, Add</i>	964.99 145.42	104.82
23 21	13 23-1485	EA	8" 45 Degree Lateral Wye, Steel, Grooved..... <i>For Galvanized Fittings, Add</i>	1,354.43 209.46	127.28
23 21	13 23-1486	EA	10" 45 Degree Lateral Wye, Steel, Grooved..... <i>For Galvanized Fittings, Add</i>	1,865.03 295.64	148.41
23 21	13 23-1487	EA	12" 45 Degree Lateral Wye, Steel, Grooved..... <i>For Galvanized Fittings, Add</i>	2,252.90 357.45	178.15
23 21	13 23-1488	EA	14" 45 Degree Lateral Wye, Steel, Grooved..... <i>For Galvanized Fittings, Add</i>	3,195.18 521.72	197.94
23 21	13 23-1489	EA	16" 45 Degree Lateral Wye, Steel, Grooved..... <i>For Galvanized Fittings, Add</i>	3,919.40 651.76	199.07
23 21	13 23-1490	EA	18" 45 Degree Lateral Wye, Steel, Grooved..... <i>For Galvanized Fittings, Add</i>	4,376.88 728.59	219.59
23 21	13 23-1491	EA	20" 45 Degree Lateral Wye, Steel, Grooved..... <i>For Galvanized Fittings, Add</i>	6,474.04 1,105.15	222.97
23 21	13 23-1492	EA	24" 45 Degree Lateral Wye, Steel, Grooved..... <i>For Galvanized Fittings, Add</i>	9,951.60 1,717.33	274.04
23 21	13 23-1493		Grooved 45 Degree Lateral Reducing Wyes <small>(23 21 13 23-1398)</small> Note: Victaulic No. 30R		
23 21	13 23-1494	EA	3" 45 Degree Lateral Reducing Wye, Steel, Grooved..... <i>For Galvanized Fittings, Add</i>	248.20 22.62	49.54
23 21	13 23-1495	EA	4" 45 Degree Lateral Reducing Wye, Steel, Grooved..... <i>For Galvanized Fittings, Add</i>	439.17 44.60	64.10
23 21	13 23-1496	EA	5" 45 Degree Lateral Reducing Wye, Steel, Grooved..... <i>For Galvanized Fittings, Add</i>	627.05 65.18	83.79
23 21	13 23-1497	EA	6" 45 Degree Lateral Reducing Wye, Steel, Grooved..... <i>For Galvanized Fittings, Add</i>	804.95 84.22	104.82
23 21	13 23-1498	EA	8" 45 Degree Lateral Reducing Wye, Steel, Grooved..... <i>For Galvanized Fittings, Add</i>	1,126.00 121.58	127.28
23 21	13 23-1499	EA	10" 45 Degree Lateral Reducing Wye, Steel, Grooved..... <i>For Galvanized Fittings, Add</i>	1,367.95 148.90	148.41
23 21	13 23-1500	EA	12" 45 Degree Lateral Reducing Wye, Steel, Grooved..... <i>For Galvanized Fittings, Add</i>	1,659.01 180.95	178.15
23 21	13 23-1501	EA	14" 45 Degree Lateral Reducing Wye, Steel, Grooved..... <i>For Galvanized Fittings, Add</i>	1,856.06 202.71	197.94
23 21	13 23-1502	EA	16" 45 Degree Lateral Reducing Wye, Steel, Grooved..... <i>For Galvanized Fittings, Add</i>	2,314.02 262.02	199.07
23 21	13 23-1503	EA	18" 45 Degree Lateral Reducing Wye, Steel, Grooved..... <i>For Galvanized Fittings, Add</i>	3,423.99 402.33	219.59
23 21	13 23-1504	EA	20" 45 Degree Lateral Reducing Wye, Steel, Grooved..... <i>For Galvanized Fittings, Add</i>	4,864.35 588.91	222.97
23 21	13 23-1505	EA	24" 45 Degree Lateral Reducing Wye, Steel, Grooved..... <i>For Galvanized Fittings, Add</i>	7,745.23 953.46	274.04
23 21	13 23-1506		Mechanical-T Outlet <small>(23 21 13 23-1398)</small> Note: Includes making opening in pipe. Grooved or treaded branch outlets. Victaulic Styles 920 or 921.		
23 21	13 23-1507	EA	2" x 3/4" Mechanical-T Outlet With Threaded Branch Outlet..... <i>For Galvanized Fittings, Add</i>	107.34 8.31	36.92
23 21	13 23-1508	EA	2" x 1" Mechanical-T Outlet With Threaded Branch Outlet..... <i>For Galvanized Fittings, Add</i>	107.34 8.31	36.92
23 21	13 23-1509	EA	2" x 1-1/4" Mechanical-T Outlet With Threaded Branch Outlet..... <i>For Galvanized Fittings, Add</i>	112.57 9.60	36.92
23 21	13 23-1510	EA	2" x 1-1/2" Mechanical-T Outlet With Threaded Branch Outlet.....	112.57	36.92
23 21	13 23-1511	EA	2-1/2" x 3/4" Mechanical-T Outlet With Threaded Branch Outlet.....	116.57	41.54
23 21	13 23-1512	EA	2-1/2" x 1" Mechanical-T Outlet With Threaded Branch Outlet.....	116.57	41.54
23 21	13 23-1513	EA	2-1/2" x 1-1/4" Mechanical-T Outlet With Threaded Branch Outlet.....	130.37	41.54
23 21	13 23-1514	EA	3" x 3/4" Mechanical-T Outlet With Threaded Branch Outlet.....	130.87	46.15
23 21	13 23-1515	EA	3" x 1" Mechanical-T Outlet With Threaded Branch Outlet.....	130.87	46.15
23 21	13 23-1516	EA	3" x 1-1/4" Mechanical-T Outlet With Threaded Branch Outlet.....	141.99	46.15
23 21	13 23-1517	EA	3" x 1-1/2" Mechanical-T Outlet With Threaded Branch Outlet.....	141.99	46.15
23 21	13 23-1518	EA	3" x 2" Mechanical-T Outlet With Threaded Branch Outlet.....	149.60	46.15
23 21	13 23-1519	EA	4" x 3/4" Mechanical-T Outlet With Threaded Branch Outlet.....	172.25	61.53



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-1520 EA 4" x 1" Mechanical-T Outlet With Threaded Branch Outlet.....	172.25	61.53
23 21 13 23-1521 EA 4" x 1-1/4" Mechanical-T Outlet With Threaded Branch Outlet.....	180.93	61.53
23 21 13 23-1522 EA 4" x 1-1/2" Mechanical-T Outlet With Threaded Or Grooved Outlet.....	183.36	61.53
23 21 13 23-1523 EA 4" x 2" Mechanical-T Outlet With Threaded Or Grooved Outlet.....	183.36	61.53
23 21 13 23-1524 EA 4" x 2-1/2" Mechanical-T Outlet With Threaded Or Grooved Outlet.....	185.80	61.53
23 21 13 23-1525 EA 4" x 3" Mechanical-T Outlet With Threaded Or Grooved Outlet.....	190.47	61.53
23 21 13 23-1526 EA 5" x 1-1/2" Mechanical-T Outlet With Threaded Or Grooved Outlet.....	243.26	84.62
23 21 13 23-1527 EA 5" x 2" Mechanical-T Outlet With Threaded Or Grooved Outlet.....	243.26	84.62
23 21 13 23-1528 EA 5" x 2-1/2" Mechanical-T Outlet With Threaded Or Grooved Outlet.....	247.47	84.62
23 21 13 23-1529 EA 5" x 3" Mechanical-T Outlet With Threaded Or Grooved Outlet.....	252.75	84.62
23 21 13 23-1530 EA 6" x 1-1/2" Mechanical-T Outlet With Threaded Or Grooved Outlet.....	291.14	107.69
23 21 13 23-1531 EA 6" x 2" Mechanical-T Outlet With Threaded Or Grooved Outlet.....	291.14	107.69
23 21 13 23-1532 EA 6" x 2-1/2" Mechanical-T Outlet With Threaded Or Grooved Outlet.....	297.33	107.69
23 21 13 23-1533 EA 6" x 3" Mechanical-T Outlet With Threaded Or Grooved Outlet.....	302.55	107.69
23 21 13 23-1534 EA 6" x 4" Mechanical-T Outlet With Threaded Or Grooved Outlet.....	311.84	107.69
23 21 13 23-1535 EA 8" x 2" Mechanical-T Outlet With Threaded Or Grooved Outlet.....	419.18	142.56
23 21 13 23-1536 EA 8" x 2-1/2" Mechanical-T Outlet With Threaded Or Grooved Outlet.....	419.18	142.56
23 21 13 23-1537 EA 8" x 3" Mechanical-T Outlet With Threaded Or Grooved Outlet.....	426.64	142.56
23 21 13 23-1538 EA 8" x 4" Mechanical-T Outlet With Threaded Or Grooved Outlet.....	431.05	142.56
23 21 13 23-1539 Installation-Ready™ Grooved Fittings (23 21 13 23-1312)		
23 21 13 23-1540 Installation-Ready™ 90 Degree Grooved Elbows (23 21 13 23-1539)		
Note: Victaulic No. 101		
23 21 13 23-1541 EA 1-1/4" Ductile Iron, Grooved, Installation-Ready™ 90 Degree Elbow	137.78	10.15
For Galvanized Fittings, Add	40.39	
For Galvanized Fittings, Add	31.33	
23 21 13 23-1542 EA 1-1/2" Ductile Iron, Grooved, Installation-Ready™ 90 Degree Elbow	144.46	12.18
For Galvanized Fittings, Add	41.58	
For Galvanized Fittings, Add	32.26	
23 21 13 23-1543 EA 2" Ductile Iron, Grooved, Installation-Ready™ 90 Degree Elbow	151.52	16.25
For Galvanized Fittings, Add	41.88	
For Galvanized Fittings, Add	32.49	
23 21 13 23-1544 EA 2-1/2" Ductile Iron, Grooved, Installation-Ready™ 90 Degree Elbow	183.77	20.31
For Galvanized Fittings, Add	50.49	
For Galvanized Fittings, Add	39.17	
23 21 13 23-1545 Installation-Ready™ 45 Degree Grooved Elbows (23 21 13 23-1539)		
Note: Victaulic No. 103		
23 21 13 23-1546 EA 1-1/4" Ductile Iron, Grooved, Installation-Ready™ 45 Degree Elbow	137.78	10.15
For Galvanized Fittings, Add	29.38	
For Galvanized Fittings, Add	31.33	
23 21 13 23-1547 EA 1-1/2" Ductile Iron, Grooved, Installation-Ready™ 45 Degree Elbow	144.46	12.18
For Galvanized Fittings, Add	30.24	
For Galvanized Fittings, Add	32.26	
23 21 13 23-1548 EA 2" Ductile Iron, Grooved, Installation-Ready™ 45 Degree Elbow	151.52	16.25
For Galvanized Fittings, Add	30.46	
For Galvanized Fittings, Add	32.49	
23 21 13 23-1549 EA 2-1/2" Ductile Iron, Grooved, Installation-Ready™ 45 Degree Elbow	183.77	20.31
For Galvanized Fittings, Add	36.72	
For Galvanized Fittings, Add	39.17	
23 21 13 23-1550 Installation-Ready™ Grooved Tees (23 21 13 23-1539)		
Note: Victaulic No. 102		
23 21 13 23-1551 EA 1-1/4" Ductile Iron, Grooved, Installation-Ready™ Tee	209.51	13.54
For Galvanized Fittings, Add	56.70	
For Galvanized Fittings, Add	48.38	
23 21 13 23-1552 EA 1-1/2" Ductile Iron, Grooved, Installation-Ready™ Tee	219.92	16.25
For Galvanized Fittings, Add	58.59	
For Galvanized Fittings, Add	50.00	
23 21 13 23-1553 EA 2" Ductile Iron, Grooved, Installation-Ready™ Tee	230.82	21.66
For Galvanized Fittings, Add	59.40	
For Galvanized Fittings, Add	50.69	
23 21 13 23-1554 EA 2-1/2" Ductile Iron, Grooved, Installation-Ready™ Tee	269.63	27.07
For Galvanized Fittings, Add	68.58	
For Galvanized Fittings, Add	58.52	
23 21 13 23-1555 Grooved Fittings (23 21 13 23-1312)		
23 21 13 23-1556 Flanged Adapter Nipple, Grooved (23 21 13 23-1555)		
Note: Victaulic No. 41 and 45		
23 21 13 23-1557 EA 1" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150.....	160.18	12.30
For Galvanized Fittings, Add	25.51	
For 300 LB Rating, Add	21.26	
23 21 13 23-1558 EA 1-1/4" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150.....	162.24	13.64
For Galvanized Fittings, Add	25.51	
For 300 LB Rating, Add	21.26	
23 21 13 23-1559 EA 1-1/2" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150.....	167.37	17.13
For Galvanized Fittings, Add	25.51	
For 300 LB Rating, Add	21.26	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 20 HVAC Piping And Pumps****23 21 Hydronic Piping And Pumps**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-1560 EA 2" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150.....	178.15	24.31
For Galvanized Fittings, Add	25.51	
For 300 LB Rating, Add	21.26	
23 21 13 23-1561 EA 2-1/2" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150.....	185.86	29.44
For Galvanized Fittings, Add	25.51	
For 300 LB Rating, Add	21.26	
23 21 13 23-1562 EA 3" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150.....	234.02	35.18
For Galvanized Fittings, Add	32.64	
For 300 LB Rating, Add	27.20	
23 21 13 23-1563 EA 4" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150.....	287.27	47.38
For Galvanized Fittings, Add	38.93	
For 300 LB Rating, Add	32.44	
23 21 13 23-1564 EA 5" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150.....	394.98	57.33
For Galvanized Fittings, Add	55.63	
For 300 LB Rating, Add	46.35	
23 21 13 23-1565 EA 6" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150.....	468.71	77.44
For Galvanized Fittings, Add	63.47	
For 300 LB Rating, Add	52.89	
23 21 13 23-1566 EA 8" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150.....	643.80	104.82
For Galvanized Fittings, Add	87.60	
For 300 LB Rating, Add	73.00	
23 21 13 23-1567 EA 10" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150.....	984.98	127.28
For Galvanized Fittings, Add	142.96	
For 300 LB Rating, Add	119.13	
23 21 13 23-1568 EA 12" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150.....	1,308.49	148.41
For Galvanized Fittings, Add	195.47	
For 300 LB Rating, Add	162.89	
23 21 13 23-1569 EA 14" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150.....	1,547.69	178.15
For Galvanized Fittings, Add	230.51	
For 300 LB Rating, Add	192.09	
23 21 13 23-1570 EA 16" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150.....	2,268.91	197.94
For Galvanized Fittings, Add	354.99	
For 300 LB Rating, Add	295.82	
23 21 13 23-1571 EA 18" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150.....	2,761.60	296.91
For Galvanized Fittings, Add	416.96	
For 300 LB Rating, Add	347.47	
23 21 13 23-1572 EA 20" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150.....	2,948.66	356.30
For Galvanized Fittings, Add	434.61	
For 300 LB Rating, Add	362.17	
23 21 13 23-1573 EA 24" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150.....	4,758.83	395.89
For Galvanized Fittings, Add	749.75	
For 300 LB Rating, Add	624.79	
23 21 13 23-1574 Grooved Concentric Reducers (23 21 13 23-1555)		
Note: Victaulic No. 50		
23 21 13 23-1575 EA 1-1/4" x 3/4" Concentric Reducer, Grooved.....	169.62	12.30
For Galvanized Fittings, Add	6.65	
23 21 13 23-1576 EA 1-1/4" x 1" Concentric Reducer, Grooved.....	177.45	13.03
For Galvanized Fittings, Add	6.95	
23 21 13 23-1577 EA 1-1/2" x 3/4" Concentric Reducer, Grooved.....	199.43	14.05
For Galvanized Fittings, Add	21.44	
23 21 13 23-1578 EA 1-1/2" x 1" Concentric Reducer, Grooved.....	60.26	14.67
For Galvanized Fittings, Add	4.59	
23 21 13 23-1579 EA 1-1/2" x 1-1/4" Concentric Reducer, Grooved.....	170.96	15.38
For Galvanized Fittings, Add	17.78	
23 21 13 23-1580 EA 2" x 3/4" Concentric Reducer, Grooved.....	63.34	16.72
For Galvanized Fittings, Add	4.59	
23 21 13 23-1581 EA 2" x 1" Concentric Reducer, Grooved.....	64.37	17.43
For Galvanized Fittings, Add	4.59	
23 21 13 23-1582 EA 2" x 1-1/4" Concentric Reducer, Grooved.....	69.22	18.16
For Galvanized Fittings, Add	5.05	
23 21 13 23-1583 EA 2" x 1-1/2" Concentric Reducer, Grooved.....	68.53	20.21
For Galvanized Fittings, Add	4.59	
23 21 13 23-1584 EA 2-1/2" x 3/4" Concentric Reducer, Grooved.....	339.24	18.87
For Galvanized Fittings, Add	37.38	
23 21 13 23-1585 EA 2-1/2" x 1" Concentric Reducer, Grooved.....	273.22	19.59
For Galvanized Fittings, Add	29.32	
23 21 13 23-1586 EA 2-1/2" x 1-1/4" Concentric Reducer, Grooved.....	251.13	20.21
For Galvanized Fittings, Add	26.54	
23 21 13 23-1587 EA 2-1/2" x 1-1/2" Concentric Reducer, Grooved.....	71.54	22.26
For Galvanized Fittings, Add	4.59	
23 21 13 23-1588 EA 2-1/2" x 2" Concentric Reducer, Grooved.....	75.64	24.92
For Galvanized Fittings, Add	4.59	
23 21 13 23-1589 EA 3" x 3/4" Concentric Reducer, Grooved.....	345.83	21.95
For Galvanized Fittings, Add	47.57	
23 21 13 23-1590 EA 3" x 1" Concentric Reducer, Grooved.....	75.99	22.56
For Galvanized Fittings, Add	6.41	
23 21 13 23-1591 EA 3" x 1-1/4" Concentric Reducer, Grooved.....	277.24	23.28
For Galvanized Fittings, Add	36.85	
23 21 13 23-1592 EA 3" x 1-1/2" Concentric Reducer, Grooved.....	262.68	24.92
For Galvanized Fittings, Add	34.24	
23 21 13 23-1593 EA 3" x 2" Concentric Reducer, Grooved.....	75.05	27.70
For Galvanized Fittings, Add	5.09	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-1594 EA 3" x 2-1/2" Concentric Reducer, Grooved.....	95.67	33.02
For Galvanized Fittings, Add	7.02	
23 21 13 23-1595 EA 3-1/2" x 3" Concentric Reducer, Grooved.....	102.54	35.59
For Galvanized Fittings, Add	7.48	
23 21 13 23-1596 EA 4" x 1" Concentric Reducer, Grooved.....	92.77	28.00
For Galvanized Fittings, Add	8.70	
23 21 13 23-1597 EA 4" x 1-1/4" Concentric Reducer, Grooved.....	444.07	28.72
For Galvanized Fittings, Add	68.77	
23 21 13 23-1598 EA 4" x 1-1/2" Concentric Reducer, Grooved.....	352.21	30.46
For Galvanized Fittings, Add	52.58	
23 21 13 23-1599 EA 4" x 2" Concentric Reducer, Grooved.....	94.37	33.24
For Galvanized Fittings, Add	7.65	
23 21 13 23-1600 EA 4" x 2-1/2" Concentric Reducer, Grooved.....	109.26	35.59
For Galvanized Fittings, Add	9.59	
23 21 13 23-1601 EA 4" x 3" Concentric Reducer, Grooved.....	113.36	38.36
For Galvanized Fittings, Add	9.59	
23 21 13 23-1602 EA 4" x 3-1/2" Concentric Reducer, Grooved.....	117.46	41.03
For Galvanized Fittings, Add	9.59	
23 21 13 23-1603 EA 5" x 2" Concentric Reducer, Grooved.....	622.27	38.66
For Galvanized Fittings, Add	96.78	
23 21 13 23-1604 EA 5" x 2-1/2" Concentric Reducer, Grooved.....	499.37	41.03
For Galvanized Fittings, Add	75.09	
23 21 13 23-1605 EA 5" x 3" Concentric Reducer, Grooved.....	131.11	43.79
For Galvanized Fittings, Add	11.23	
23 21 13 23-1606 EA 5" x 4" Concentric Reducer, Grooved.....	152.03	49.23
For Galvanized Fittings, Add	13.41	
23 21 13 23-1607 EA 6" x 1" Concentric Reducer, Grooved.....	166.54	41.74
For Galvanized Fittings, Add	19.40	
23 21 13 23-1608 EA 6" x 1-1/2" Concentric Reducer, Grooved.....	659.48	44.10
For Galvanized Fittings, Add	110.72	
23 21 13 23-1609 EA 6" x 2" Concentric Reducer, Grooved.....	174.22	46.87
For Galvanized Fittings, Add	19.40	
23 21 13 23-1610 EA 6" x 2-1/2" Concentric Reducer, Grooved.....	670.56	49.23
For Galvanized Fittings, Add	111.35	
23 21 13 23-1611 EA 6" x 3" Concentric Reducer, Grooved.....	181.93	52.00
For Galvanized Fittings, Add	19.40	
23 21 13 23-1612 EA 6" x 4" Concentric Reducer, Grooved.....	176.69	57.43
For Galvanized Fittings, Add	16.89	
23 21 13 23-1613 EA 6" x 5" Concentric Reducer, Grooved.....	228.32	62.97
For Galvanized Fittings, Add	25.00	
23 21 13 23-1614 EA 8" x 3" Concentric Reducer, Grooved.....	273.98	58.87
For Galvanized Fittings, Add	34.67	
23 21 13 23-1615 EA 8" x 4" Concentric Reducer, Grooved.....	282.18	64.31
For Galvanized Fittings, Add	34.67	
23 21 13 23-1616 EA 8" x 5" Concentric Reducer, Grooved.....	290.39	69.75
For Galvanized Fittings, Add	34.67	
23 21 13 23-1617 EA 8" x 6" Concentric Reducer, Grooved.....	353.83	77.95
For Galvanized Fittings, Add	44.21	
23 21 13 23-1618 EA 10" x 4" Concentric Reducer, Grooved.....	549.51	71.49
For Galvanized Fittings, Add	82.54	
23 21 13 23-1619 EA 10" x 5" Concentric Reducer, Grooved.....	1,090.44	76.93
For Galvanized Fittings, Add	181.94	
23 21 13 23-1620 EA 10" x 6" Concentric Reducer, Grooved.....	611.40	85.13
For Galvanized Fittings, Add	90.26	
23 21 13 23-1621 EA 10" x 8" Concentric Reducer, Grooved.....	621.64	91.99
For Galvanized Fittings, Add	90.26	
23 21 13 23-1622 EA 12" x 4" Concentric Reducer, Grooved.....	1,586.29	81.44
For Galvanized Fittings, Add	219.64	
23 21 13 23-1623 EA 12" x 6" Concentric Reducer, Grooved.....	719.46	95.07
For Galvanized Fittings, Add	86.54	
23 21 13 23-1624 EA 12" x 8" Concentric Reducer, Grooved.....	1,019.44	101.95
For Galvanized Fittings, Add	129.99	
23 21 13 23-1625 EA 12" x 10" Concentric Reducer, Grooved.....	1,030.26	109.12
For Galvanized Fittings, Add	129.99	
23 21 13 23-1626 EA 14" x 6" Concentric Reducer, Grooved.....	3,094.09	102.46
For Galvanized Fittings, Add	90.27	
23 21 13 23-1627 EA 14" x 8" Concentric Reducer, Grooved.....	1,889.88	109.34
For Galvanized Fittings, Add	52.99	
23 21 13 23-1628 EA 14" x 10" Concentric Reducer, Grooved.....	1,631.95	116.51
For Galvanized Fittings, Add	44.74	
23 21 13 23-1629 EA 14" x 12" Concentric Reducer, Grooved.....	1,646.80	126.36
For Galvanized Fittings, Add	44.74	
23 21 13 23-1630 EA 16" x 8" Concentric Reducer, Grooved.....	2,834.14	116.61
For Galvanized Fittings, Add	81.64	
23 21 13 23-1631 EA 16" x 10" Concentric Reducer, Grooved.....	2,644.29	123.79
For Galvanized Fittings, Add	75.48	
23 21 13 23-1632 EA 16" x 12" Concentric Reducer, Grooved.....	2,462.47	133.74
For Galvanized Fittings, Add	69.44	
23 21 13 23-1633 EA 16" x 14" Concentric Reducer, Grooved.....	2,473.54	141.12
For Galvanized Fittings, Add	69.44	
23 21 13 23-1634 EA 18" x 10" Concentric Reducer, Grooved.....	3,667.65	130.67
For Galvanized Fittings, Add	106.58	
23 21 13 23-1635 EA 18" x 12" Concentric Reducer, Grooved.....	3,341.02	140.51
For Galvanized Fittings, Add	96.10	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 20 HVAC Piping And Pumps****23 21 Hydronic Piping And Pumps**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21	13 23-1636	EA	18" x 14" Concentric Reducer, Grooved	3,055.68	147.90
			<i>For Galvanized Fittings, Add</i>	87.00	
23 21	13 23-1637	EA	18" x 16" Concentric Reducer, Grooved	3,066.76	155.38
			<i>For Galvanized Fittings, Add</i>	87.00	
23 21	13 23-1638	EA	20" x 10" Concentric Reducer, Grooved	4,027.98	134.05
			<i>For Galvanized Fittings, Add</i>	117.49	
23 21	13 23-1639	EA	20" x 12" Concentric Reducer, Grooved	3,478.65	144.00
			<i>For Galvanized Fittings, Add</i>	100.17	
23 21	13 23-1640	EA	20" x 14" Concentric Reducer, Grooved	3,489.73	151.38
			<i>For Galvanized Fittings, Add</i>	100.17	
23 21	13 23-1641	EA	20" x 16" Concentric Reducer, Grooved	3,132.54	158.67
			<i>For Galvanized Fittings, Add</i>	88.87	
23 21	13 23-1642	EA	20" x 18" Concentric Reducer, Grooved	3,335.05	165.53
			<i>For Galvanized Fittings, Add</i>	94.77	
23 21	13 23-1643	EA	24" x 10" Concentric Reducer, Grooved	8,751.56	149.13
			<i>For Galvanized Fittings, Add</i>	261.81	
23 21	13 23-1644	EA	24" x 12" Concentric Reducer, Grooved	8,560.56	159.08
			<i>For Galvanized Fittings, Add</i>	255.49	
23 21	13 23-1645	EA	24" x 14" Concentric Reducer, Grooved	7,484.82	166.36
			<i>For Galvanized Fittings, Add</i>	222.13	
23 21	13 23-1646	EA	24" x 16" Concentric Reducer, Grooved	7,495.97	173.85
			<i>For Galvanized Fittings, Add</i>	222.13	
23 21	13 23-1647	EA	24" x 18" Concentric Reducer, Grooved	6,446.59	180.61
			<i>For Galvanized Fittings, Add</i>	189.60	
23 21	13 23-1648	EA	24" x 20" Concentric Reducer, Grooved	5,904.78	184.10
			<i>For Galvanized Fittings, Add</i>	172.80	
23 21 13 23-1649 Grooved Eccentric Reducers (23 21 13 23-1556)					
			Note: Victaulic No. 51		
23 21	13 23-1650	EA	1-1/2" x 3/4" Eccentric Reducer, Grooved	205.59	14.05
			<i>For Galvanized Fittings, Add</i>	22.19	
23 21	13 23-1651	EA	1-1/2" x 1" Eccentric Reducer, Grooved	188.65	14.67
			<i>For Galvanized Fittings, Add</i>	20.03	
23 21	13 23-1652	EA	1-1/2" x 1-1/4" Eccentric Reducer, Grooved	186.05	15.38
			<i>For Galvanized Fittings, Add</i>	19.59	
23 21	13 23-1653	EA	2" x 3/4" Eccentric Reducer, Grooved	383.77	16.72
			<i>For Galvanized Fittings, Add</i>	43.11	
23 21	13 23-1654	EA	2" x 1" Eccentric Reducer, Grooved	210.13	17.43
			<i>For Galvanized Fittings, Add</i>	22.11	
23 21	13 23-1655	EA	2" x 1-1/4" Eccentric Reducer, Grooved	228.86	18.16
			<i>For Galvanized Fittings, Add</i>	24.24	
23 21	13 23-1656	EA	2" x 1-1/2" Eccentric Reducer, Grooved	199.14	20.21
			<i>For Galvanized Fittings, Add</i>	20.29	
23 21	13 23-1657	EA	2-1/2" x 3/4" Eccentric Reducer, Grooved	496.46	18.87
			<i>For Galvanized Fittings, Add</i>	56.27	
23 21	13 23-1658	EA	2-1/2" x 1" Eccentric Reducer, Grooved	465.47	19.59
			<i>For Galvanized Fittings, Add</i>	52.43	
23 21	13 23-1659	EA	2-1/2" x 1-1/4" Eccentric Reducer, Grooved	283.63	20.21
			<i>For Galvanized Fittings, Add</i>	30.45	
23 21	13 23-1660	EA	2-1/2" x 1-1/2" Eccentric Reducer, Grooved	234.05	22.26
			<i>For Galvanized Fittings, Add</i>	24.13	
23 21	13 23-1661	EA	2-1/2" x 2" Eccentric Reducer, Grooved	118.28	24.92
			<i>For Galvanized Fittings, Add</i>	9.72	
23 21	13 23-1662	EA	3" x 1" Eccentric Reducer, Grooved	501.66	22.56
			<i>For Galvanized Fittings, Add</i>	56.24	
23 21	13 23-1663	EA	3" x 1-1/4" Eccentric Reducer, Grooved	458.38	23.28
			<i>For Galvanized Fittings, Add</i>	50.91	
23 21	13 23-1664	EA	3" x 1-1/2" Eccentric Reducer, Grooved	269.59	24.92
			<i>For Galvanized Fittings, Add</i>	27.91	
23 21	13 23-1665	EA	3" x 2" Eccentric Reducer, Grooved	134.46	27.70
			<i>For Galvanized Fittings, Add</i>	11.17	
23 21	13 23-1666	EA	3" x 2-1/2" Eccentric Reducer, Grooved	142.41	33.02
			<i>For Galvanized Fittings, Add</i>	11.17	
23 21	13 23-1667	EA	3-1/2" x 3" Eccentric Reducer, Grooved	567.37	35.59
			<i>For Galvanized Fittings, Add</i>	61.79	
23 21	13 23-1668	EA	4" x 1" Eccentric Reducer, Grooved	990.39	28.00
			<i>For Galvanized Fittings, Add</i>	162.64	
23 21	13 23-1669	EA	4" x 1-1/2" Eccentric Reducer, Grooved	619.20	30.46
			<i>For Galvanized Fittings, Add</i>	98.36	
23 21	13 23-1670	EA	4" x 2" Eccentric Reducer, Grooved	163.36	33.24
			<i>For Galvanized Fittings, Add</i>	19.48	
23 21	13 23-1671	EA	4" x 2-1/2" Eccentric Reducer, Grooved	166.95	35.59
			<i>For Galvanized Fittings, Add</i>	19.48	
23 21	13 23-1672	EA	4" x 3" Eccentric Reducer, Grooved	171.05	38.36
			<i>For Galvanized Fittings, Add</i>	19.48	
23 21	13 23-1673	EA	5" x 2" Eccentric Reducer, Grooved	690.41	38.66
			<i>For Galvanized Fittings, Add</i>	108.47	
23 21	13 23-1674	EA	5" x 2-1/2" Eccentric Reducer, Grooved	600.36	41.03
			<i>For Galvanized Fittings, Add</i>	92.41	
23 21	13 23-1675	EA	5" x 3" Eccentric Reducer, Grooved	586.10	43.79
			<i>For Galvanized Fittings, Add</i>	89.26	
23 21	13 23-1676	EA	5" x 4" Eccentric Reducer, Grooved	228.59	49.23
			<i>For Galvanized Fittings, Add</i>	26.54	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-1677 EA 6" x 1" Eccentric Reducer, Grooved	1,045.74	41.74
For Galvanized Fittings, Add	183.46	
23 21 13 23-1678 EA 6" x 2" Eccentric Reducer, Grooved	966.86	46.87
For Galvanized Fittings, Add	167.31	
23 21 13 23-1679 EA 6" x 2-1/2" Eccentric Reducer, Grooved	1,141.50	49.23
For Galvanized Fittings, Add	199.22	
23 21 13 23-1680 EA 6" x 3" Eccentric Reducer, Grooved	283.98	52.00
For Galvanized Fittings, Add	38.44	
23 21 13 23-1681 EA 6" x 4" Eccentric Reducer, Grooved	266.48	57.43
For Galvanized Fittings, Add	33.65	
23 21 13 23-1682 EA 6" x 5" Eccentric Reducer, Grooved	310.69	62.97
For Galvanized Fittings, Add	40.37	
23 21 13 23-1683 EA 8" x 3" Eccentric Reducer, Grooved	1,129.96	58.87
For Galvanized Fittings, Add	194.39	
23 21 13 23-1684 EA 8" x 4" Eccentric Reducer, Grooved	1,006.84	64.31
For Galvanized Fittings, Add	169.89	
23 21 13 23-1685 EA 8" x 5" Eccentric Reducer, Grooved	952.26	69.75
For Galvanized Fittings, Add	158.17	
23 21 13 23-1686 EA 8" x 6" Eccentric Reducer, Grooved	482.58	77.95
For Galvanized Fittings, Add	68.23	
23 21 13 23-1687 EA 10" x 4" Eccentric Reducer, Grooved	1,777.87	71.49
For Galvanized Fittings, Add	311.75	
23 21 13 23-1688 EA 10" x 5" Eccentric Reducer, Grooved	1,689.42	76.93
For Galvanized Fittings, Add	293.71	
23 21 13 23-1689 EA 10" x 6" Eccentric Reducer, Grooved	1,314.66	85.13
For Galvanized Fittings, Add	221.49	
23 21 13 23-1690 EA 10" x 8" Eccentric Reducer, Grooved	1,142.55	91.99
For Galvanized Fittings, Add	187.46	
23 21 13 23-1691 EA 12" x 4" Eccentric Reducer, Grooved	1,820.83	81.44
For Galvanized Fittings, Add	256.35	
23 21 13 23-1692 EA 12" x 6" Eccentric Reducer, Grooved	1,728.21	95.07
For Galvanized Fittings, Add	239.28	
23 21 13 23-1693 EA 12" x 8" Eccentric Reducer, Grooved	1,697.91	101.95
For Galvanized Fittings, Add	233.16	
23 21 13 23-1694 EA 12" x 10" Eccentric Reducer, Grooved	1,547.58	109.12
For Galvanized Fittings, Add	208.84	
23 21 13 23-1695 EA 14" x 6" Eccentric Reducer, Grooved	4,154.58	102.46
For Galvanized Fittings, Add	122.83	
23 21 13 23-1696 EA 14" x 8" Eccentric Reducer, Grooved	2,721.84	109.34
For Galvanized Fittings, Add	78.53	
23 21 13 23-1697 EA 14" x 10" Eccentric Reducer, Grooved	2,609.61	116.51
For Galvanized Fittings, Add	74.75	
23 21 13 23-1698 EA 14" x 12" Eccentric Reducer, Grooved	2,624.46	126.36
For Galvanized Fittings, Add	74.75	
23 21 13 23-1699 EA 16" x 8" Eccentric Reducer, Grooved	4,593.44	116.61
For Galvanized Fittings, Add	135.65	
23 21 13 23-1700 EA 16" x 10" Eccentric Reducer, Grooved	4,268.74	123.79
For Galvanized Fittings, Add	125.35	
23 21 13 23-1701 EA 16" x 12" Eccentric Reducer, Grooved	4,037.10	133.74
For Galvanized Fittings, Add	117.78	
23 21 13 23-1702 EA 16" x 14" Eccentric Reducer, Grooved	4,048.17	141.12
For Galvanized Fittings, Add	117.78	
23 21 13 23-1703 EA 18" x 10" Eccentric Reducer, Grooved	5,749.25	130.67
For Galvanized Fittings, Add	170.49	
23 21 13 23-1704 EA 18" x 12" Eccentric Reducer, Grooved	5,425.31	140.51
For Galvanized Fittings, Add	160.09	
23 21 13 23-1705 EA 18" x 14" Eccentric Reducer, Grooved	4,959.53	147.90
For Galvanized Fittings, Add	145.45	
23 21 13 23-1706 EA 18" x 16" Eccentric Reducer, Grooved	4,970.61	155.38
For Galvanized Fittings, Add	145.45	
23 21 13 23-1707 EA 20" x 10" Eccentric Reducer, Grooved	7,518.97	134.05
For Galvanized Fittings, Add	224.66	
23 21 13 23-1708 EA 20" x 12" Eccentric Reducer, Grooved	5,628.90	144.00
For Galvanized Fittings, Add	166.18	
23 21 13 23-1709 EA 20" x 14" Eccentric Reducer, Grooved	5,301.57	151.38
For Galvanized Fittings, Add	155.79	
23 21 13 23-1710 EA 20" x 16" Eccentric Reducer, Grooved	5,230.39	158.67
For Galvanized Fittings, Add	153.27	
23 21 13 23-1711 EA 20" x 18" Eccentric Reducer, Grooved	5,049.48	165.53
For Galvanized Fittings, Add	147.40	
23 21 13 23-1712 EA 24" x 12" Eccentric Reducer, Grooved	10,832.28	159.08
For Galvanized Fittings, Add	325.23	
23 21 13 23-1713 EA 24" x 14" Eccentric Reducer, Grooved	9,278.35	166.36
For Galvanized Fittings, Add	277.19	
23 21 13 23-1714 EA 24" x 16" Eccentric Reducer, Grooved	9,289.50	173.85
For Galvanized Fittings, Add	277.19	
23 21 13 23-1715 EA 24" x 18" Eccentric Reducer, Grooved	8,787.16	180.61
For Galvanized Fittings, Add	261.45	
23 21 13 23-1716 EA 24" x 20" Eccentric Reducer, Grooved	8,047.65	184.10
For Galvanized Fittings, Add	238.59	

23 21 13 23-1717 Close Nipple, Grooved (23 21 13 23-1555)
 Note: Victaulic No. 143

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 20 HVAC Piping And Pumps****23 21 Hydronic Piping And Pumps**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21	13 23-1718	EA	1-1/4" Ductile Iron, Grooved, Close Nipple	40.61	13.54
			<i>For Galvanized Fittings, Add</i>	3.62	
			<i>For 300 LB Rating, Add</i>	3.02	
			<i>For Galvanized Fittings, Add</i>	5.15	
23 21	13 23-1719	EA	1-1/2" Ductile Iron, Grooved, Close Nipple	47.55	16.92
			<i>For Galvanized Fittings, Add</i>	3.94	
			<i>For 300 LB Rating, Add</i>	3.29	
			<i>For Galvanized Fittings, Add</i>	5.61	
23 21	13 23-1720	EA	2" Ductile Iron, Grooved, Close Nipple.....	60.25	22.34
			<i>For Galvanized Fittings, Add</i>	4.75	
			<i>For 300 LB Rating, Add</i>	3.96	
			<i>For Galvanized Fittings, Add</i>	6.76	
23 21	13 23-1721	EA	2-1/2" Ductile Iron, Grooved, Close Nipple	72.23	27.07
			<i>For Galvanized Fittings, Add</i>	5.62	
			<i>For 300 LB Rating, Add</i>	4.68	
			<i>For Galvanized Fittings, Add</i>	7.99	
23 21	13 23-1722		Grooved Couplings (23 21 13 23-1312)		
23 21	13 23-1723		Flexible Grooved Coupling (23 21 13 23-1722)		
			Note: Victaulic Style 77		
23 21	13 23-1724	EA	3/4" Standard Coupling, Grooved	30.93	5.54
			<i>For Galvanized Fittings, Add</i>	6.31	
23 21	13 23-1725	EA	1" Standard Coupling, Grooved	30.93	5.54
			<i>For Galvanized Fittings, Add</i>	6.31	
23 21	13 23-1726	EA	1-1/4" Standard Coupling, Grooved	40.48	6.98
			<i>For Galvanized Fittings, Add</i>	8.40	
23 21	13 23-1727	EA	1-1/2" Standard Coupling, Grooved	45.30	8.30
			<i>For Galvanized Fittings, Add</i>	9.18	
23 21	13 23-1728	EA	2" Standard Coupling, Grooved	51.41	11.18
			<i>For Galvanized Fittings, Add</i>	9.70	
23 21	13 23-1729	EA	2-1/2" Standard Coupling, Grooved	61.89	13.64
			<i>For Galvanized Fittings, Add</i>	11.61	
23 21	13 23-1730	EA	3" Standard Coupling, Grooved	65.85	16.31
			<i>For Galvanized Fittings, Add</i>	11.61	
23 21	13 23-1731	EA	3-1/2" Standard Coupling, Grooved	95.47	19.08
			<i>For Galvanized Fittings, Add</i>	18.71	
23 21	13 23-1732	EA	4" Standard Coupling, Grooved	99.48	21.74
			<i>For Galvanized Fittings, Add</i>	18.71	
23 21	13 23-1733	EA	5" Standard Coupling, Grooved	143.27	27.28
			<i>For Galvanized Fittings, Add</i>	28.68	
23 21	13 23-1734	EA	6" Standard Coupling, Grooved	174.52	35.59
			<i>For Galvanized Fittings, Add</i>	33.91	
23 21	13 23-1735	EA	8" Standard Coupling, Grooved	261.00	42.46
			<i>For Galvanized Fittings, Add</i>	55.27	
23 21	13 23-1736	EA	10" Standard Coupling, Grooved	404.37	50.87
			<i>For Galvanized Fittings, Add</i>	91.86	
23 21	13 23-1737	EA	12" Standard Coupling, Grooved	457.00	55.69
			<i>For Galvanized Fittings, Add</i>	104.59	
23 21	13 23-1738	EA	14" Standard Coupling, Grooved	565.06	74.25
			<i>For Galvanized Fittings, Add</i>	127.06	
23 21	13 23-1739	EA	16" Standard Coupling, Grooved	728.74	89.13
			<i>For Galvanized Fittings, Add</i>	166.66	
23 21	13 23-1740	EA	18" Standard Coupling, Grooved	845.45	98.97
			<i>For Galvanized Fittings, Add</i>	195.18	
23 21	13 23-1741	EA	20" Standard Coupling, Grooved	1,263.53	111.39
			<i>For Galvanized Fittings, Add</i>	307.05	
23 21	13 23-1742	EA	24" Standard Coupling, Grooved	1,408.04	137.02
			<i>For Galvanized Fittings, Add</i>	336.73	
23 21	13 23-1743		Zero-Flex® Rigid Coupling (23 21 13 23-1722)		
			Note: Victaulic Style 07		
23 21	13 23-1744	EA	1" Rigid Coupling, Grooved.....	39.75	5.54
			<i>For Galvanized Fittings, Add</i>	7.69	
23 21	13 23-1745	EA	1-1/4" Rigid Coupling, Grooved	41.85	6.98
			<i>For Galvanized Fittings, Add</i>	7.69	
23 21	13 23-1746	EA	1-1/2" Rigid Coupling, Grooved	43.88	8.30
			<i>For Galvanized Fittings, Add</i>	7.69	
23 21	13 23-1747	EA	2" Rigid Coupling, Grooved.....	48.93	11.18
			<i>For Galvanized Fittings, Add</i>	7.88	
23 21	13 23-1748	EA	2-1/2" Rigid Coupling, Grooved	57.51	13.64
			<i>For Galvanized Fittings, Add</i>	9.09	
23 21	13 23-1749	EA	3" Rigid Coupling, Grooved.....	61.47	16.31
			<i>For Galvanized Fittings, Add</i>	9.09	
23 21	13 23-1750	EA	3-1/2" Rigid Coupling, Grooved	71.98	19.08
			<i>For Galvanized Fittings, Add</i>	10.62	
23 21	13 23-1751	EA	4" Rigid Coupling, Grooved.....	94.07	21.74
			<i>For Galvanized Fittings, Add</i>	15.05	
23 21	13 23-1752	EA	5" Rigid Coupling, Grooved.....	120.59	27.28
			<i>For Galvanized Fittings, Add</i>	19.54	
23 21	13 23-1753	EA	6" Rigid Coupling, Grooved.....	160.03	35.59
			<i>For Galvanized Fittings, Add</i>	26.12	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-1754 EA 8" Rigid Coupling, Grooved	231.55	42.46
For Galvanized Fittings, Add	41.15	
23 21 13 23-1755 EA 10" Rigid Coupling, Grooved	377.26	50.87
For Galvanized Fittings, Add	73.73	
23 21 13 23-1756 EA 12" Rigid Coupling, Grooved	420.24	55.69
For Galvanized Fittings, Add	82.51	
23 21 13 23-1757 EA 14" Rigid Coupling, Grooved	551.28	74.25
For Galvanized Fittings, Add	107.80	
23 21 13 23-1758 EA 16" Rigid Coupling, Grooved	707.39	89.13
For Galvanized Fittings, Add	140.59	
23 21 13 23-1759 EA 18" Rigid Coupling, Grooved	811.75	98.97
For Galvanized Fittings, Add	162.53	
23 21 13 23-1760 EA 20" Rigid Coupling, Grooved	956.72	111.39
For Galvanized Fittings, Add	193.50	
23 21 13 23-1761 EA 24" Rigid Coupling, Grooved	1,368.76	137.02
For Galvanized Fittings, Add	285.01	
23 21 13 23-1762 Large Diameter Grooved Coupling (23 21 13 23-1722)		
Note: Victaulic Style 770		
23 21 13 23-1763 EA 28" Coupling, Grooved.....	1,436.76	27.28
For Galvanized Fittings, Add	195.43	
23 21 13 23-1764 EA 30" Coupling, Grooved.....	1,660.57	35.59
For Galvanized Fittings, Add	225.00	
23 21 13 23-1765 EA 32" Coupling, Grooved.....	2,470.42	42.46
For Galvanized Fittings, Add	336.95	
23 21 13 23-1766 EA 36" Coupling, Grooved.....	3,282.77	50.87
For Galvanized Fittings, Add	448.90	
23 21 13 23-1767 EA 42" Coupling, Grooved.....	6,568.25	55.69
For Galvanized Fittings, Add	907.87	
23 21 13 23-1768 Flexible Coupling (23 21 13 23-1722)		
Note: Victaulic Style 75		
23 21 13 23-1769 EA 1-1/2" Flexible Coupling, Grooved	41.02	8.30
For Galvanized Fittings, Add	7.30	
23 21 13 23-1770 EA 2" Flexible Coupling, Grooved	46.00	11.18
For Galvanized Fittings, Add	7.49	
23 21 13 23-1771 EA 2-1/2" Flexible Coupling, Grooved	54.32	13.64
For Galvanized Fittings, Add	8.68	
23 21 13 23-1772 EA 3" Flexible Coupling, Grooved	63.79	16.31
For Galvanized Fittings, Add	10.09	
23 21 13 23-1773 EA 3-1/2" Flexible Coupling, Grooved	84.48	19.08
For Galvanized Fittings, Add	14.29	
23 21 13 23-1774 EA 4" Flexible Coupling, Grooved	88.49	21.74
For Galvanized Fittings, Add	14.29	
23 21 13 23-1775 EA 5" Flexible Coupling, Grooved	121.38	27.28
For Galvanized Fittings, Add	20.62	
23 21 13 23-1776 EA 6" Flexible Coupling, Grooved	150.46	35.59
For Galvanized Fittings, Add	24.84	
23 21 13 23-1777 EA 8" Flexible Coupling, Grooved	216.13	42.46
For Galvanized Fittings, Add	39.05	
23 21 13 23-1778 Installation-Ready™ Coupling (23 21 13 23-1722)		
Note: Victaulic Style 009N		
23 21 13 23-1779 EA 1-1/4" Ductile Iron, Installation-Ready™ Coupling	43.25	5.18
For Galvanized Fittings, Add	9.06	
23 21 13 23-1780 EA 1-1/2" Ductile Iron, Installation-Ready™ Coupling	45.53	6.19
For Galvanized Fittings, Add	9.25	
23 21 13 23-1781 EA 2" Ductile Iron, Installation-Ready™ Coupling	53.50	8.32
For Galvanized Fittings, Add	10.47	
23 21 13 23-1782 EA 2-1/2" Ductile Iron, Installation-Ready™ Coupling	62.37	10.08
For Galvanized Fittings, Add	12.06	
23 21 13 23-1783 EA 3" Ductile Iron, Installation-Ready™ Coupling	71.65	12.11
For Galvanized Fittings, Add	13.64	
23 21 13 23-1784 EA 4" Ductile Iron, Installation-Ready™ Coupling	99.34	16.18
For Galvanized Fittings, Add	19.16	
23 21 13 23-1785 EA 5" Ductile Iron, Installation-Ready™ Coupling	153.06	20.24
For Galvanized Fittings, Add	31.33	
23 21 13 23-1786 EA 6" Ductile Iron, Installation-Ready™ Coupling	186.35	26.47
For Galvanized Fittings, Add	37.44	
23 21 13 23-1787 EA 8" Ductile Iron, Installation-Ready™ Coupling	292.04	31.48
For Galvanized Fittings, Add	62.55	
23 21 13 23-1788 Grooved Strainers And Suction Diffusers (23 21 13 23-1312)		
23 21 13 23-1789 Grooved Wye Strainers (23 21 13 23-1788)		
Note: Victaulic Style 732		
23 21 13 23-1790 EA 2" Wye Strainer, Grooved	619.97	22.56
23 21 13 23-1791 EA 2-1/2" Wye Strainer, Grooved	656.85	27.38
23 21 13 23-1792 EA 3" Wye Strainer, Grooved	741.38	32.82
23 21 13 23-1793 EA 4" Wye Strainer, Grooved	848.49	43.79

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 20 HVAC Piping And Pumps****23 21 Hydronic Piping And Pumps**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
23 21	13 23-1794	EA	5" Wye Strainer, Grooved	1,216.14	54.77
23 21	13 23-1795	EA	6" Wye Strainer, Grooved	1,338.45	71.18
23 21	13 23-1796	EA	8" Wye Strainer, Grooved	2,015.33	84.82
23 21	13 23-1797	EA	10" Wye Strainer, Grooved	3,183.65	99.18
23 21	13 23-1798	EA	12" Wye Strainer, Grooved	5,480.43	119.08
23 21 13 23-1799 Grooved Tee Type Strainers (23 21 13 23-1798)					
Note: Victaulic Style 730					
23 21	13 23-1800	EA	1-1/2" Tee Type Strainer, Grooved	477.95	17.13
23 21	13 23-1801	EA	2" Tee Type Strainer, Grooved	612.74	22.56
23 21	13 23-1802	EA	2-1/2" Tee Type Strainer, Grooved	649.32	27.38
23 21	13 23-1803	EA	3" Tee Type Strainer, Grooved	732.88	32.82
23 21	13 23-1804	EA	4" Tee Type Strainer, Grooved	838.86	43.79
23 21	13 23-1805	EA	5" Tee Type Strainer, Grooved	1,202.12	54.77
23 21	13 23-1806	EA	6" Tee Type Strainer, Grooved	1,323.33	71.18
23 21	13 23-1807	EA	8" Tee Type Strainer, Grooved	1,991.91	84.82
23 21	13 23-1808	EA	10" Tee Type Strainer, Grooved	2,887.23	99.18
23 21	13 23-1809	EA	12" Tee Type Strainer, Grooved	3,703.70	119.08
23 21	13 23-1810	EA	14" Tee Type Strainer, Grooved	12,767.69	134.05
23 21	13 23-1811	EA	16" Tee Type Strainer, Grooved	15,841.02	148.41
23 21	13 23-1812	EA	18" Tee Type Strainer, Grooved	20,785.87	162.15
23 21 13 23-1813 Grooved Suction Diffuser (23 21 13 23-1798)					
Note: Victaulic Style 731					
23 21	13 23-1814	EA	2-1/2" Grooved x 2" Flanged Suction Diffuser.....	1,240.10	25.33
23 21	13 23-1815	EA	3" Grooved x 2" Flanged Suction Diffuser.....	1,317.81	28.00
23 21	13 23-1816	EA	3" Grooved x 2-1/2" Flanged Suction Diffuser.....	966.80	32.82
23 21	13 23-1817	EA	3" Grooved x 3" Flanged Suction Diffuser.....	982.84	35.59
23 21	13 23-1818	EA	4" Grooved x 2-1/2" Flanged Suction Diffuser.....	1,061.29	35.59
23 21	13 23-1819	EA	4" Grooved x 3" Flanged Suction Diffuser.....	1,144.92	38.36
23 21	13 23-1820	EA	4" Grooved x 4" Flanged Suction Diffuser.....	1,317.31	38.36
23 21	13 23-1821	EA	5" Grooved x 4" Flanged Suction Diffuser.....	1,477.71	49.23
23 21	13 23-1822	EA	5" Grooved x 5" Flanged Suction Diffuser.....	1,553.06	52.00
23 21	13 23-1823	EA	6" Grooved x 4" Flanged Suction Diffuser.....	1,582.97	57.43
23 21	13 23-1824	EA	6" Grooved x 5" Flanged Suction Diffuser.....	1,884.92	62.97
23 21	13 23-1825	EA	6" Grooved x 6" Flanged Suction Diffuser.....	1,959.66	67.07
23 21	13 23-1826	EA	8" Grooved x 5" Flanged Suction Diffuser.....	2,011.86	69.75
23 21	13 23-1827	EA	8" Grooved x 6" Flanged Suction Diffuser.....	2,128.10	77.95
23 21	13 23-1828	EA	8" Grooved x 8" Flanged Suction Diffuser.....	3,588.17	84.82
23 21	13 23-1829	EA	10" Grooved x 8" Flanged Suction Diffuser.....	4,043.22	91.69
23 21	13 23-1830	EA	10" Grooved x 10" Flanged Suction Diffuser.....	4,848.44	95.07
23 21	13 23-1831	EA	12" Grooved x 10" Flanged Suction Diffuser.....	5,733.95	109.44
23 21	13 23-1832	EA	12" Grooved x 12" Flanged Suction Diffuser.....	7,922.32	116.30
23 21	13 23-1833	EA	14" Grooved x 10" Flanged Suction Diffuser.....	7,385.45	116.30
23 21	13 23-1834	EA	14" Grooved x 12" Flanged Suction Diffuser.....	8,244.47	126.57
23 21	13 23-1835	EA	14" Grooved x 14" Flanged Suction Diffuser.....	9,982.19	134.05
23 21	13 23-1836	EA	16" Grooved x 14" Flanged Suction Diffuser.....	10,280.45	140.92
23 21 13 23-1837 Grooved Steel Valves (23 21 13 23-1312)					
23 21 13 23-1838 Grooved Butterfly Valves With Standard Trim (23 21 13 23-1837)					
23 21	13 23-1839	EA	1-1/2" Butterfly Valve, Grooved, With Standard Trim.....	204.32	11.18
23 21	13 23-1840	EA	2" Butterfly Valve, Grooved, With Standard Trim	209.61	14.67
23 21	13 23-1841	EA	3" Butterfly Valve, Grooved, With Standard Trim	343.02	21.74
23 21	13 23-1842	EA	4" Butterfly Valve, Grooved, With Standard Trim	460.52	28.61
23 21	13 23-1843	EA	6" Butterfly Valve, Grooved, With Standard Trim	999.15	46.87
23 21	13 23-1844	EA	8" Butterfly Valve, Grooved, With Standard Trim	1,385.04	65.95
23 21	13 23-1845	EA	10" Butterfly Valve, Grooved, With Standard Trim.....	2,076.11	89.13
23 21 13 23-1846 Grooved Butterfly Valves With Stainless Steel Trim (23 21 13 23-1837)					
23 21	13 23-1847	EA	1-1/2" Butterfly Valve, Grooved, With Stainless Steel Trim.....	304.80	11.18
23 21	13 23-1848	EA	2" Butterfly Valve, Grooved, With Stainless Steel Trim.....	310.09	14.67
23 21	13 23-1849	EA	3" Butterfly Valve, Grooved, With Stainless Steel Trim.....	479.23	21.74
23 21	13 23-1850	EA	4" Butterfly Valve, Grooved, With Stainless Steel Trim.....	610.12	28.61
23 21	13 23-1851	EA	6" Butterfly Valve, Grooved, With Stainless Steel Trim.....	1,164.38	46.87
23 21	13 23-1852	EA	8" Butterfly Valve, Grooved, With Stainless Steel Trim.....	1,929.85	65.95
23 21	13 23-1853	EA	10" Butterfly Valve, Grooved, With Stainless Steel Trim.....	3,036.23	89.13
23 21 13 23-1854 Grooved Ball Valves With Standard Trim And Handle (23 21 13 23-1837)					
Note: Victaulic No. 721					
23 21	13 23-1855	EA	1-1/2" Ball Valve, Grooved, With Standard Trim	173.09	10.98
23 21	13 23-1856	EA	2" Ball Valve, Grooved, With Standard Trim	199.03	15.08
23 21	13 23-1857	EA	2-1/2" Ball Valve, Grooved, With Standard Trim.....	448.42	18.46
23 21	13 23-1858	EA	3" Ball Valve, Grooved, With Standard Trim	732.01	21.85
23 21	13 23-1859	EA	4" Ball Valve, Grooved, With Standard Trim	1,137.88	28.72
23 21	13 23-1860	EA	6" Ball Valve, Grooved, With Standard Trim	3,521.42	47.18



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-1861				Grooved Ball Valves With Stainless Steel Trim And Handle <small>(23 21 13 23-1837)</small> Note: Victaulic No. 721		
23 21 13 23-1862	EA			1-1/2" Ball Valve, Grooved, With Stainless Steel Trim.....	184.09	10.98
23 21 13 23-1863	EA			2" Ball Valve, Grooved, With Stainless Steel Trim.....	313.26	15.08
23 21 13 23-1864	EA			2-1/2" Ball Valve, Grooved, With Stainless Steel Trim.....	808.62	18.46
23 21 13 23-1865	EA			3" Ball Valve, Grooved, With Stainless Steel Trim.....	1,044.87	21.85
23 21 13 23-1866	EA			4" Ball Valve, Grooved, With Stainless Steel Trim.....	1,426.99	28.72
23 21 13 23-1867	EA			6" Ball Valve, Grooved, With Stainless Steel Trim.....	3,879.67	47.18
23 21 13 23-1868				Grooved Check Valves <small>(23 21 13 23-1837)</small> Note: Victaulic No. 712		
23 21 13 23-1869	EA			2" Check Valve, Grooved.....	261.92	15.08
23 21 13 23-1870	EA			2-1/2" Check Valve, Grooved.....	423.03	18.46
23 21 13 23-1871	EA			3" Check Valve, Grooved.....	493.00	21.85
23 21 13 23-1872	EA			4" Check Valve, Grooved.....	697.94	28.72
23 21 13 23-1873				Grooved Vic-Check Check Valves <small>(23 21 13 23-1837)</small> Note: Victaulic No. 716		
23 21 13 23-1874	EA			2-1/2" "Vic-Check" Check Valve, Grooved.....	339.49	18.46
23 21 13 23-1875	EA			3" "Vic-Check" Check Valve, Grooved.....	344.47	21.85
23 21 13 23-1876	EA			4" "Vic-Check" Check Valve, Grooved.....	432.23	28.72
23 21 13 23-1877	EA			6" "Vic-Check" Check Valve, Grooved.....	839.08	47.18
23 21 13 23-1878	EA			8" "Vic-Check" Check Valve, Grooved.....	1,148.56	65.64
23 21 13 23-1879	EA			10" "Vic-Check" Check Valve, Grooved.....	3,173.21	88.92
23 21 13 23-1880	EA			12" "Vic-Check" Check Valve, Grooved.....	3,756.61	102.66
23 21 13 23-1881				Grooved Plug Valves With Lever Operator <small>(23 21 13 23-1837)</small> Note: Victaulic No. 377		
23 21 13 23-1882	EA			3" Balancing Plug Valve, Grooved, With Lever Handle.....	387.49	21.85
23 21 13 23-1883	EA			4" Balancing Plug Valve, Grooved, With Lever Handle.....	433.43	28.72
23 21 13 23-1884	EA			6" Balancing Plug Valve, Grooved, With Lever Handle.....	770.59	47.18
23 21 13 23-1885				Grooved Plug Valve With Gear Operator <small>(23 21 13 23-1837)</small> Note: Victaulic No. 377		
23 21 13 23-1886	EA			3" Balancing Plug Valve, Grooved, With Gear Operator.....	673.66	21.85
23 21 13 23-1887	EA			4" Balancing Plug Valve, Grooved, With Gear Operator.....	719.63	28.72
23 21 13 23-1888	EA			6" Balancing Plug Valve, Grooved, With Gear Operator.....	1,056.78	47.18
23 21 13 23-1889	EA			8" Balancing Plug Valve, Grooved, With Gear Operator.....	1,415.53	65.64
23 21 13 23-1890	EA			10" Balancing Plug Valve, Grooved, With Gear Operator.....	2,210.50	88.92
23 21 13 23-1891	EA			12" Balancing Plug Valve, Grooved, With Gear Operator.....	3,179.67	102.66
23 21 13 23-1892				Prepare Pipe For Groove <small>(23 21 13 23-1312)</small>		
23 21 13 23-1893				Cut Grooved Pipe <small>(23 21 13 23-1892)</small> Note: For use where connecting ungrooved pipe with grooved pipe, coupling to grooved pipe, or for field groove preparation on existing cut pipe.		
23 21 13 23-1894	EA			Cut 3/4" Groove.....	10.75	
23 21 13 23-1895	EA			Cut 1" Groove.....	11.66	
23 21 13 23-1896	EA			Cut 1-1/4" Groove.....	13.17	
23 21 13 23-1897	EA			Cut 1-1/2" Groove.....	14.33	
23 21 13 23-1898	EA			Cut 2" Groove.....	15.70	
23 21 13 23-1899	EA			Cut 2-1/2" Groove.....	17.01	
23 21 13 23-1900	EA			Cut 3" Groove.....	18.56	
23 21 13 23-1901	EA			Cut 3-1/2" Groove.....	19.67	
23 21 13 23-1902	EA			Cut 4" Groove.....	20.94	
23 21 13 23-1903	EA			Cut 5" Groove.....	22.68	
23 21 13 23-1904	EA			Cut 6" Groove.....	23.33	
23 21 13 23-1905	EA			Cut 8" Groove.....	30.24	
23 21 13 23-1906	EA			Cut 10" Groove.....	42.98	
23 21 13 23-1907	EA			Cut 12" Groove.....	54.44	
23 21 13 23-1908	EA			Cut 14" Groove.....	81.66	
23 21 13 23-1909	EA			Cut 16" Groove.....	85.95	
23 21 13 23-1910	EA			Cut 18" Groove.....	90.73	
23 21 13 23-1911	EA			Cut 20" Groove.....	96.07	
23 21 13 23-1912	EA			Cut 24" Groove.....	108.87	
23 21 13 23-1913				Roll Grooved Pipe <small>(23 21 13 23-1892)</small> Note: For use where connecting ungrooved pipe with grooved pipe, coupling to grooved pipe, or for field groove preparation on existing cut pipe.		
23 21 13 23-1914	EA			Roll 3/4" Groove.....	6.14	
23 21 13 23-1915	EA			Roll 1" Groove.....	7.17	
23 21 13 23-1916	EA			Roll 1-1/4" Groove.....	8.16	
23 21 13 23-1917	EA			Roll 1-1/2" Groove.....	9.18	
23 21 13 23-1918	EA			Roll 2" Groove.....	14.07	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 20 HVAC Piping And Pumps****23 21 Hydronic Piping And Pumps**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
23 21	13 23-1919	EA	Roll 2-1/2" Groove	14.85	
23 21	13 23-1920	EA	Roll 3" Groove.....	16.34	
23 21	13 23-1921	EA	Roll 3-1/2" Groove	17.37	
23 21	13 23-1922	EA	Roll 4" Groove.....	18.99	
23 21	13 23-1923	EA	Roll 5" Groove.....	19.44	
23 21	13 23-1924	EA	Roll 6" Groove.....	20.42	
23 21	13 23-1925	EA	Roll 8" Groove.....	24.74	
23 21	13 23-1926	EA	Roll 10" Groove.....	28.16	
23 21	13 23-1927	EA	Roll 12" Groove.....	35.51	
23 21	13 23-1928	EA	Roll 14" Groove.....	54.44	
23 21	13 23-1929	EA	Roll 16" Groove.....	58.33	
23 21	13 23-1930	EA	Roll 18" Groove.....	60.49	
23 21	13 23-1931	EA	Roll 20" Groove.....	65.32	
23 21	13 23-1932	EA	Roll 24" Groove.....	71.00	
23 21 13 23-1933 Standard Gaskets <small>(23 21 13 23-1892)</small>					
Note: For use on replacement of existing gaskets.					
23 21	13 23-1934	EA	3/4" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T"	20.54	
23 21	13 23-1935	EA	1" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T"	21.40	
23 21	13 23-1936	EA	1-1/4" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T"	22.43	
23 21	13 23-1937	EA	1-1/2" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T"	24.61	
23 21	13 23-1938	EA	2" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T"	25.23	
23 21	13 23-1939	EA	2-1/2" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T"	29.46	
23 21	13 23-1940	EA	3" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T"	32.33	
23 21	13 23-1941	EA	3-1/2" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T"	39.69	
23 21	13 23-1942	EA	4" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T"	40.19	
23 21	13 23-1943	EA	5" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T"	49.86	
23 21	13 23-1944	EA	6" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T"	53.58	
23 21	13 23-1945	EA	8" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T"	72.65	
23 21	13 23-1946	EA	10" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T"	90.97	
23 21	13 23-1947	EA	12" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T"	107.45	
23 21	13 23-1948	EA	14" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T"	150.20	
23 21	13 23-1949	EA	16" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T"	199.84	
23 21	13 23-1950	EA	18" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T"	236.35	
23 21	13 23-1951	EA	20" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T"	349.26	
23 21	13 23-1952	EA	24" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T"	477.51	
23 21 13 23-1953 Copper Grooved-Joint Pipe Fittings <small>(23 21 13 23)</small>					
Note: Couplings are not included with fittings.					
23 21 13 23-1954 Grooved Fittings <small>(23 21 13 23-1953)</small>					
23 21 13 23-1955 Grooved 90 Degree Elbows <small>(23 21 13 23-1954)</small>					
23 21	13 23-1956	EA	2" Copper 90 Degree Elbow, Grooved.....	53.23	16.72
23 21	13 23-1957	EA	2-1/2" Copper 90 Degree Elbow, Grooved.....	62.31	20.41
23 21	13 23-1958	EA	3" Copper 90 Degree Elbow, Grooved.....	79.89	24.72
23 21	13 23-1959	EA	4" Copper 90 Degree Elbow, Grooved.....	136.50	32.61
23 21	13 23-1960	EA	5" Copper 90 Degree Elbow, Grooved.....	285.36	40.82
23 21	13 23-1961	EA	6" Copper 90 Degree Elbow, Grooved.....	432.53	53.43
23 21	13 23-1962	EA	8" Copper 90 Degree Elbow, Grooved.....	739.37	63.59
23 21 13 23-1963 Grooved 45 Degree Elbows <small>(23 21 13 23-1954)</small>					
23 21	13 23-1964	EA	2" Copper 45 Degree Elbow, Grooved.....	53.23	16.72
23 21	13 23-1965	EA	2-1/2" Copper 45 Degree Elbow, Grooved.....	62.31	20.41
23 21	13 23-1966	EA	3" Copper 45 Degree Elbow, Grooved.....	79.89	24.72
23 21	13 23-1967	EA	4" Copper 45 Degree Elbow, Grooved.....	136.50	32.61
23 21	13 23-1968	EA	5" Copper 45 Degree Elbow, Grooved.....	285.36	40.82
23 21	13 23-1969	EA	6" Copper 45 Degree Elbow, Grooved.....	432.53	53.43
23 21	13 23-1970	EA	8" Copper 45 Degree Elbow, Grooved.....	739.37	63.59
23 21 13 23-1971 Grooved Tees <small>(23 21 13 23-1954)</small>					
23 21	13 23-1972	EA	2" Copper Tee, Grooved.....	82.23	24.62
23 21	13 23-1973	EA	2-1/2" Copper Tee, Grooved.....	95.57	30.26
23 21	13 23-1974	EA	3" Copper Tee, Grooved.....	126.91	37.13
23 21	13 23-1975	EA	4" Copper Tee, Grooved.....	212.59	48.00
23 21	13 23-1976	EA	5" Copper Tee, Grooved.....	454.22	62.77
23 21	13 23-1977	EA	6" Copper Tee, Grooved.....	563.51	78.56
23 21	13 23-1978	EA	8" Copper Tee, Grooved.....	917.19	95.38
23 21 13 23-1979 Grooved Reducing Tees <small>(23 21 13 23-1954)</small>					
23 21	13 23-1980	EA	2-1/2" Copper Tee, Reducing, Grooved.....	113.48	30.26
23 21	13 23-1981	EA	3" Copper Tee, Reducing, Grooved.....	136.80	37.13
23 21	13 23-1982	EA	4" Copper Tee, Reducing, Grooved.....	249.84	48.10
23 21	13 23-1983	EA	5" Copper Tee, Reducing, Grooved.....	596.89	62.87
23 21	13 23-1984	EA	6" Copper Tee, Reducing, Grooved.....	732.84	78.56



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-1985				Grooved X Cup Reducing Tees <small>(23 21 13 23-1954)</small>		
			EA	2" Copper Tee, Reducing, Grooved X Cup.....	91.72	24.62
			EA	2-1/2" Copper Tee, Reducing, Grooved X Cup.....	113.58	30.26
			EA	3" Copper Tee, Reducing, Grooved X Cup.....	136.80	37.13
			EA	4" Copper Tee, Reducing, Grooved X Cup.....	249.84	48.00
23 21 13 23-1990				Grooved Flanged Adapter Nipples <small>(23 21 13 23-1954)</small>		
			EA	2" Copper Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150.....	140.00	18.16
			EA	2-1/2" Copper Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150.....	152.20	22.05
			EA	3" Copper Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150.....	165.73	26.36
			EA	4" Copper Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150.....	195.05	35.49
			EA	5" Copper Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150.....	252.96	42.98
			EA	6" Copper Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150.....	298.25	58.05
23 21 13 23-1997				Grooved Concentric Reducers <small>(23 21 13 23-1954)</small>		
			EA	2-1/2" x 2" Copper Concentric Reducer, Grooved.....	66.19	18.67
			EA	3" x 2" Copper Concentric Reducer, Grooved.....	70.30	20.82
			EA	3" x 2-1/2" Copper Concentric Reducer, Grooved.....	78.25	24.72
			EA	4" x 2" Copper Concentric Reducer, Grooved.....	109.62	24.92
			EA	4" x 2-1/2" Copper Concentric Reducer, Grooved.....	113.21	26.67
			EA	4" x 3" Copper Concentric Reducer, Grooved.....	117.31	28.72
			EA	5" x 3" Copper Concentric Reducer, Grooved.....	235.88	32.82
			EA	5" x 4" Copper Concentric Reducer, Grooved.....	244.08	36.92
			EA	6" x 3" Copper Concentric Reducer, Grooved.....	262.29	38.98
			EA	6" x 4" Copper Concentric Reducer, Grooved.....	270.48	43.08
			EA	6" x 5" Copper Concentric Reducer, Grooved.....	278.70	47.18
			EA	8" x 6" Copper Concentric Reducer, Grooved.....	441.26	58.46
23 21 13 23-2010				Grooved X Cup Concentric Reducers <small>(23 21 13 23-1954)</small>		
			EA	2" x 1" Copper Concentric Reducer, Grooved X Cup.....	50.05	13.13
			EA	2" x 1-1/4" Copper Concentric Reducer, Grooved X Cup.....	51.07	13.64
			EA	2" x 1-1/2" Copper Concentric Reducer, Grooved X Cup.....	54.21	15.18
			EA	2-1/2" x 1" Copper Concentric Reducer, Grooved X Cup.....	58.59	14.67
			EA	2-1/2" x 1-1/4" Copper Concentric Reducer, Grooved X Cup.....	59.61	15.18
			EA	2-1/2" x 1-1/2" Copper Concentric Reducer, Grooved X Cup.....	62.62	16.72
			EA	2-1/2" x 2" Copper Concentric Reducer, Grooved X Cup.....	66.72	18.67
			EA	3" x 1-1/2" Copper Concentric Reducer, Grooved X Cup.....	73.84	18.67
			EA	3" x 2" Copper Concentric Reducer, Grooved X Cup.....	77.95	20.82
			EA	4" x 2" Copper Concentric Reducer, Grooved X Cup.....	118.36	24.82
23 21 13 23-2021				Grooved Standard Couplings <small>(23 21 13 23-1954)</small>		
			EA	2" Copper Standard Coupling, Grooved.....	29.43	8.41
			EA	2-1/2" Copper Standard Coupling, Grooved.....	34.86	10.25
			EA	3" Copper Standard Coupling, Grooved.....	40.53	12.20
			EA	4" Copper Standard Coupling, Grooved.....	57.48	16.41
			EA	5" Copper Standard Coupling, Grooved.....	83.47	20.41
			EA	6" Copper Standard Coupling, Grooved.....	110.38	26.67
			EA	8" Copper Standard Coupling, Grooved.....	152.17	31.80
23 21 13 23-2029				Grooved Caps <small>(23 21 13 23-1954)</small>		
			EA	2" Copper Cap, Grooved.....	30.21	8.41
			EA	2-1/2" Copper Cap, Grooved.....	35.57	10.25
			EA	3" Copper Cap, Grooved.....	43.44	12.20
			EA	4" Copper Cap, Grooved.....	71.09	16.31
			EA	5" Copper Cap, Grooved.....	219.98	20.41
			EA	6" Copper Cap, Grooved.....	375.31	26.67
23 21 13 23-2036				Grooved Valves <small>(23 21 13 23-1953)</small>		
23 21 13 23-2037				Grooved Butterfly Valves, Standard Trim, Without Operator <small>(23 21 13 23-2036)</small>		
				Note: Copper body.		
			EA	2" Butterfly Valve, Grooved, With Standard Trim, Without Operator, Copper Body.....	335.90	10.98
				For Chain Wheel, Add	43.45	
				For Valve Bracket Insulation, Add	38.20	
			EA	3" Butterfly Valve, Grooved, With Standard Trim, Without Operator, Copper Body.....	384.20	16.31
				For Chain Wheel, Add	43.45	
				For Valve Bracket Insulation, Add	38.20	
			EA	4" Butterfly Valve, Grooved, With Standard Trim, Without Operator, Copper Body.....	507.81	21.43
				For Chain Wheel, Add	43.45	
				For Valve Bracket Insulation, Add	38.20	
			EA	6" Butterfly Valve, Grooved, With Standard Trim, Without Operator, Copper Body.....	681.27	35.18
				For Chain Wheel, Add	43.45	
				For Valve Bracket Insulation, Add	38.20	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 20 HVAC Piping And Pumps****23 21 Hydronic Piping And Pumps**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-2042 EA 8" Butterfly Valve, Grooved, With Standard Trim, Without Operator, Copper Body.....	757.09	49.43
For Chain Wheel, Add	43.45	
For Valve Bracket Insulation, Add	38.20	
23 21 13 23-2043 Grooved Butterfly Valves, Standard Trim, With Operator (23 21 13 23-2036)		
Note: Copper body.		
23 21 13 23-2044 EA 2" Butterfly Valve, Grooved, With Standard Trim, With Operator, Copper Body.....	408.98	10.98
For Chain Wheel, Add	43.45	
For Valve Bracket Insulation, Add	38.20	
23 21 13 23-2045 EA 3" Butterfly Valve, Grooved, With Standard Trim, With Operator, Copper Body.....	457.32	16.31
For Chain Wheel, Add	43.45	
For Valve Bracket Insulation, Add	38.20	
23 21 13 23-2046 EA 4" Butterfly Valve, Grooved, With Standard Trim, With Operator, Copper Body.....	580.94	21.43
For Chain Wheel, Add	43.45	
For Valve Bracket Insulation, Add	38.20	
23 21 13 23-2047 EA 6" Butterfly Valve, Grooved, With Standard Trim, With Operator, Copper Body.....	754.45	35.18
For Chain Wheel, Add	43.45	
For Valve Bracket Insulation, Add	38.20	
23 21 13 23-2048 EA 8" Butterfly Valve, Grooved, With Standard Trim, With Operator, Copper Body.....	830.22	49.43
For Chain Wheel, Add	43.45	
For Valve Bracket Insulation, Add	38.20	
23 21 13 23-2049 Polyvinyl Chloride (PVC) Pressure Pipe And Fittings (23 21 13 23)		
Note: Socket or back weld.		
23 21 13 23-2050 Schedule 40 Polyvinyl Chloride (PVC) Pressure Pipe And Fittings (23 21 13 23-2049)		
Note: ASTM D1785 with D2466 fittings.		
23 21 13 23-2051 Schedule 40 Polyvinyl Chloride (PVC) Pressure Pipe (23 21 13 23-2050)		
23 21 13 23-2052 LF 1/2" Schedule 40 Polyvinyl Chloride (PVC) Pressure Pipe.....	4.61	2.98
For Work In Restricted Working Space, Add	1.32	
23 21 13 23-2053 LF 3/4" Schedule 40 Polyvinyl Chloride (PVC) Pressure Pipe.....	5.77	3.69
For Work In Restricted Working Space, Add	1.65	
23 21 13 23-2054 LF 1" Schedule 40 Polyvinyl Chloride (PVC) Pressure Pipe.....	6.24	3.90
For Work In Restricted Working Space, Add	1.76	
23 21 13 23-2055 LF 1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Pressure Pipe.....	6.81	4.20
For Work In Restricted Working Space, Add	1.89	
23 21 13 23-2056 LF 1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Pressure Pipe.....	6.99	4.30
For Work In Restricted Working Space, Add	1.92	
23 21 13 23-2057 LF 2" Schedule 40 Polyvinyl Chloride (PVC) Pressure Pipe.....	8.46	5.13
For Work In Restricted Working Space, Add	2.30	
23 21 13 23-2058 LF 2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Pressure Pipe.....	10.36	6.05
For Work In Restricted Working Space, Add	2.74	
23 21 13 23-2059 LF 3" Schedule 40 Polyvinyl Chloride (PVC) Pressure Pipe.....	12.64	7.39
For Work In Restricted Working Space, Add	3.31	
23 21 13 23-2060 LF 4" Schedule 40 Polyvinyl Chloride (PVC) Pressure Pipe.....	18.87	11.08
For Work In Restricted Working Space, Add	4.97	
23 21 13 23-2061 LF 6" Schedule 40 Polyvinyl Chloride (PVC) Pressure Pipe.....	26.11	14.67
For Work In Restricted Working Space, Add	6.62	
23 21 13 23-2062 LF 8" Schedule 40 Polyvinyl Chloride (PVC) Pressure Pipe.....	32.45	17.54
For Work In Restricted Working Space, Add	7.89	
23 21 13 23-2063 LF 10" Schedule 40 Polyvinyl Chloride (PVC) Pressure Pipe.....	48.16	19.59
For Work In Restricted Working Space, Add	8.80	
23 21 13 23-2064 Schedule 40 Polyvinyl Chloride (PVC) 90 Degree Elbows (23 21 13 23-2050)		
23 21 13 23-2065 EA 1/2" Schedule 40 Polyvinyl Chloride (PVC) 90 Degree Elbows.....	16.83	11.08
For Work In Restricted Working Space, Add	4.97	
23 21 13 23-2066 EA 3/4" Schedule 40 Polyvinyl Chloride (PVC) 90 Degree Elbows.....	22.45	14.67
For Work In Restricted Working Space, Add	6.62	
23 21 13 23-2067 EA 1" Schedule 40 Polyvinyl Chloride (PVC) 90 Degree Elbows.....	28.04	18.26
For Work In Restricted Working Space, Add	8.21	
23 21 13 23-2068 EA 1-1/4" Schedule 40 Polyvinyl Chloride (PVC) 90 Degree Elbows.....	39.97	25.85
For Work In Restricted Working Space, Add	11.61	
23 21 13 23-2069 EA 1-1/2" Schedule 40 Polyvinyl Chloride (PVC) 90 Degree Elbows.....	44.99	29.12
For Work In Restricted Working Space, Add	13.09	
23 21 13 23-2070 EA 2" Schedule 40 Polyvinyl Chloride (PVC) 90 Degree Elbows.....	57.56	37.03
For Work In Restricted Working Space, Add	16.63	
23 21 13 23-2071 EA 2-1/2" Schedule 40 Polyvinyl Chloride (PVC) 90 Degree Elbows.....	88.50	54.77
For Work In Restricted Working Space, Add	24.62	
23 21 13 23-2072 EA 3" Schedule 40 Polyvinyl Chloride (PVC) 90 Degree Elbows.....	115.71	72.00
For Work In Restricted Working Space, Add	32.39	
23 21 13 23-2073 EA 4" Schedule 40 Polyvinyl Chloride (PVC) 90 Degree Elbows.....	142.05	85.54
For Work In Restricted Working Space, Add	38.46	
23 21 13 23-2074 EA 6" Schedule 40 Polyvinyl Chloride (PVC) 90 Degree Elbows.....	179.66	97.75
For Work In Restricted Working Space, Add	43.96	
23 21 13 23-2075 EA 8" Schedule 40 Polyvinyl Chloride (PVC) 90 Degree Elbows.....	256.26	114.05
For Work In Restricted Working Space, Add	51.28	
23 21 13 23-2076 EA 10" Schedule 40 Polyvinyl Chloride (PVC) 90 Degree Elbows.....	382.73	170.05
For Work In Restricted Working Space, Add	76.46	



MINOR		DESCRIPTION	TOTAL DIRECT	DEMOLITION
CSI	UOM		UNIT COST	UNIT COST
23 21	13 23-2077	Schedule 40 Polyvinyl Chloride (PVC) 45 Degree Elbows <small>(23 21 13 23-2050)</small>		
	23 21 13 23-2078	EA 1/2" Schedule 40 Polyvinyl Chloride (PVC) 45 Degree Elbows <i>For Work In Restricted Working Space, Add</i>	16.96 4.97	11.08
	23 21 13 23-2079	EA 3/4" Schedule 40 Polyvinyl Chloride (PVC) 45 Degree Elbows <i>For Work In Restricted Working Space, Add</i>	22.72 6.62	14.67
	23 21 13 23-2080	EA 1" Schedule 40 Polyvinyl Chloride (PVC) 45 Degree Elbows <i>For Work In Restricted Working Space, Add</i>	28.43 8.21	18.26
	23 21 13 23-2081	EA 1-1/4" Schedule 40 Polyvinyl Chloride (PVC) 45 Degree Elbows <i>For Work In Restricted Working Space, Add</i>	40.22 11.61	25.85
	23 21 13 23-2082	EA 1-1/2" Schedule 40 Polyvinyl Chloride (PVC) 45 Degree Elbows <i>For Work In Restricted Working Space, Add</i>	45.54 13.09	29.12
	23 21 13 23-2083	EA 2" Schedule 40 Polyvinyl Chloride (PVC) 45 Degree Elbows <i>For Work In Restricted Working Space, Add</i>	57.92 16.63	37.03
	23 21 13 23-2084	EA 2-1/2" Schedule 40 Polyvinyl Chloride (PVC) 45 Degree Elbows <i>For Work In Restricted Working Space, Add</i>	88.50 24.62	54.77
	23 21 13 23-2085	EA 3" Schedule 40 Polyvinyl Chloride (PVC) 45 Degree Elbows <i>For Work In Restricted Working Space, Add</i>	118.02 32.39	72.00
	23 21 13 23-2086	EA 4" Schedule 40 Polyvinyl Chloride (PVC) 45 Degree Elbows <i>For Work In Restricted Working Space, Add</i>	146.27 38.46	85.54
	23 21 13 23-2087	EA 6" Schedule 40 Polyvinyl Chloride (PVC) 45 Degree Elbows <i>For Work In Restricted Working Space, Add</i>	180.04 43.96	97.75
	23 21 13 23-2088	EA 8" Schedule 40 Polyvinyl Chloride (PVC) 45 Degree Elbows <i>For Work In Restricted Working Space, Add</i>	251.60 51.28	114.05
	23 21 13 23-2089	EA 10" Schedule 40 Polyvinyl Chloride (PVC) 45 Degree Elbows <i>For Work In Restricted Working Space, Add</i>	382.73 76.46	170.05
23 21	13 23-2090	Schedule 40 Polyvinyl Chloride (PVC) Tees <small>(23 21 13 23-2050)</small>		
	23 21 13 23-2091	EA 1/2" Schedule 40 Polyvinyl Chloride (PVC) Tees <i>For Work In Restricted Working Space, Add</i>	27.68 8.21	18.26
	23 21 13 23-2092	EA 3/4" Schedule 40 Polyvinyl Chloride (PVC) Tees <i>For Work In Restricted Working Space, Add</i>	33.44 9.92	22.05
	23 21 13 23-2093	EA 1" Schedule 40 Polyvinyl Chloride (PVC) Tees <i>For Work In Restricted Working Space, Add</i>	44.33 13.09	29.12
	23 21 13 23-2094	EA 1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Tees <i>For Work In Restricted Working Space, Add</i>	56.54 16.63	37.03
	23 21 13 23-2095	EA 1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Tees <i>For Work In Restricted Working Space, Add</i>	67.52 19.85	44.10
	23 21 13 23-2096	EA 2" Schedule 40 Polyvinyl Chloride (PVC) Tees <i>For Work In Restricted Working Space, Add</i>	84.01 24.62	54.77
	23 21 13 23-2097	EA 2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Tees <i>For Work In Restricted Working Space, Add</i>	114.47 32.39	72.00
	23 21 13 23-2098	EA 3" Schedule 40 Polyvinyl Chloride (PVC) Tees <i>For Work In Restricted Working Space, Add</i>	136.73 38.46	85.54
	23 21 13 23-2099	EA 4" Schedule 40 Polyvinyl Chloride (PVC) Tees <i>For Work In Restricted Working Space, Add</i>	186.38 51.28	114.05
	23 21 13 23-2100	EA 6" Schedule 40 Polyvinyl Chloride (PVC) Tees <i>For Work In Restricted Working Space, Add</i>	272.61 66.17	147.07
	23 21 13 23-2101	EA 8" Schedule 40 Polyvinyl Chloride (PVC) Tees <i>For Work In Restricted Working Space, Add</i>	394.24 82.05	182.46
	23 21 13 23-2102	EA 10" Schedule 40 Polyvinyl Chloride (PVC) Tees <i>For Work In Restricted Working Space, Add</i>	881.22 122.62	272.61
23 21	13 23-2103	Schedule 40 Polyvinyl Chloride (PVC) Crosses <small>(23 21 13 23-2050)</small>		
	23 21 13 23-2104	EA 1/2" Schedule 40 Polyvinyl Chloride (PVC) Crosses <i>For Work In Restricted Working Space, Add</i>	34.71 10.26	22.77
	23 21 13 23-2105	EA 3/4" Schedule 40 Polyvinyl Chloride (PVC) Crosses <i>For Work In Restricted Working Space, Add</i>	41.92 12.41	27.59
	23 21 13 23-2106	EA 1" Schedule 40 Polyvinyl Chloride (PVC) Crosses <i>For Work In Restricted Working Space, Add</i>	55.64 16.37	36.41
	23 21 13 23-2107	EA 1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Crosses <i>For Work In Restricted Working Space, Add</i>	71.03 20.79	46.25
	23 21 13 23-2108	EA 1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Crosses <i>For Work In Restricted Working Space, Add</i>	84.84 24.82	55.18
	23 21 13 23-2109	EA 2" Schedule 40 Polyvinyl Chloride (PVC) Crosses <i>For Work In Restricted Working Space, Add</i>	105.63 30.77	68.41
	23 21 13 23-2110	EA 2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Crosses <i>For Work In Restricted Working Space, Add</i>	145.15 40.49	90.05
	23 21 13 23-2111	EA 3" Schedule 40 Polyvinyl Chloride (PVC) Crosses <i>For Work In Restricted Working Space, Add</i>	173.60 48.08	106.87
	23 21 13 23-2112	EA 4" Schedule 40 Polyvinyl Chloride (PVC) Crosses <i>For Work In Restricted Working Space, Add</i>	237.88 64.10	142.56
	23 21 13 23-2113	EA 6" Schedule 40 Polyvinyl Chloride (PVC) Crosses <i>For Work In Restricted Working Space, Add</i>	357.17 82.67	183.79
	23 21 13 23-2114	EA 8" Schedule 40 Polyvinyl Chloride (PVC) Crosses <i>For Work In Restricted Working Space, Add</i>	530.97 102.51	227.89
	23 21 13 23-2115	EA 10" Schedule 40 Polyvinyl Chloride (PVC) Crosses <i>For Work In Restricted Working Space, Add</i>	1,251.83 153.35	340.92
23 21	13 23-2116	Schedule 40 Polyvinyl Chloride (PVC) Reducing Inserts <small>(23 21 13 23-2050)</small>		

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 20 HVAC Piping And Pumps****23 21 Hydronic Piping And Pumps**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21	13 23-2117	EA	3/4" Schedule 40 Polyvinyl Chloride (PVC) Reducing Inserts..... <i>For Work In Restricted Working Space, Add</i>	22.31 6.62	14.67
23 21	13 23-2118	EA	1" Schedule 40 Polyvinyl Chloride (PVC) Reducing Inserts..... <i>For Work In Restricted Working Space, Add</i>	27.87 8.21	18.26
23 21	13 23-2119	EA	1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Reducing Inserts..... <i>For Work In Restricted Working Space, Add</i>	39.39 11.61	25.85
23 21	13 23-2120	EA	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Reducing Inserts..... <i>For Work In Restricted Working Space, Add</i>	44.36 13.09	29.12
23 21	13 23-2121	EA	2" Schedule 40 Polyvinyl Chloride (PVC) Reducing Inserts..... <i>For Work In Restricted Working Space, Add</i>	56.65 16.63	37.03
23 21	13 23-2122	EA	2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Reducing Inserts..... <i>For Work In Restricted Working Space, Add</i>	83.98 24.62	54.77
23 21	13 23-2123	EA	3" Schedule 40 Polyvinyl Chloride (PVC) Reducing Inserts..... <i>For Work In Restricted Working Space, Add</i>	110.85 32.39	72.00
23 21	13 23-2124	EA	4" Schedule 40 Polyvinyl Chloride (PVC) Reducing Inserts..... <i>For Work In Restricted Working Space, Add</i>	134.74 38.46	85.54
23 21	13 23-2125	EA	6" Schedule 40 Polyvinyl Chloride (PVC) Reducing Inserts..... <i>For Work In Restricted Working Space, Add</i>	162.76 43.96	97.75
23 21	13 23-2126	EA	8" Schedule 40 Polyvinyl Chloride (PVC) Reducing Inserts..... <i>For Work In Restricted Working Space, Add</i>	264.30 51.28	114.05
23 21	13 23-2127	EA	10" Schedule 40 Polyvinyl Chloride (PVC) Reducing Inserts..... <i>For Work In Restricted Working Space, Add</i>	302.22 59.57	132.41
23 21	13 23-2128		Schedule 40 Polyvinyl Chloride (PVC) Threaded Reducing Inserts (23 21 13 23-2050)		
23 21	13 23-2129	EA	1/2" Schedule 40 Polyvinyl Chloride (PVC) Threaded Reducing Inserts <i>For Work In Restricted Working Space, Add</i>	17.13 4.97	11.08
23 21	13 23-2130	EA	3/4" Schedule 40 Polyvinyl Chloride (PVC) Threaded Reducing Inserts <i>For Work In Restricted Working Space, Add</i>	22.64 6.62	14.67
23 21	13 23-2131	EA	1" Schedule 40 Polyvinyl Chloride (PVC) Threaded Reducing Inserts <i>For Work In Restricted Working Space, Add</i>	28.07 8.21	18.26
23 21	13 23-2132	EA	1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Threaded Reducing Inserts <i>For Work In Restricted Working Space, Add</i>	39.80 11.61	25.85
23 21	13 23-2133	EA	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Threaded Reducing Inserts <i>For Work In Restricted Working Space, Add</i>	44.91 13.09	29.12
23 21	13 23-2134	EA	2" Schedule 40 Polyvinyl Chloride (PVC) Threaded Reducing Inserts <i>For Work In Restricted Working Space, Add</i>	57.18 16.63	37.03
23 21	13 23-2135	EA	2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Threaded Reducing Inserts <i>For Work In Restricted Working Space, Add</i>	84.56 24.62	54.77
23 21	13 23-2136	EA	3" Schedule 40 Polyvinyl Chloride (PVC) Threaded Reducing Inserts <i>For Work In Restricted Working Space, Add</i>	110.85 32.39	72.00
23 21	13 23-2137	EA	4" Schedule 40 Polyvinyl Chloride (PVC) Threaded Reducing Inserts <i>For Work In Restricted Working Space, Add</i>	134.74 38.46	85.54
23 21	13 23-2138		Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters (23 21 13 23-2050)		
23 21	13 23-2139	EA	1/2" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters..... <i>For Work In Restricted Working Space, Add</i>	17.32 4.97	11.08
23 21	13 23-2140	EA	3/4" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters..... <i>For Work In Restricted Working Space, Add</i>	22.83 6.62	14.67
23 21	13 23-2141	EA	1" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters..... <i>For Work In Restricted Working Space, Add</i>	28.45 8.21	18.26
23 21	13 23-2142	EA	1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters..... <i>For Work In Restricted Working Space, Add</i>	40.02 11.61	25.85
23 21	13 23-2143	EA	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters..... <i>For Work In Restricted Working Space, Add</i>	45.40 13.09	29.12
23 21	13 23-2144	EA	2" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters..... <i>For Work In Restricted Working Space, Add</i>	57.62 16.63	37.03
23 21	13 23-2145	EA	2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters..... <i>For Work In Restricted Working Space, Add</i>	85.05 24.62	54.77
23 21	13 23-2146	EA	3" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters..... <i>For Work In Restricted Working Space, Add</i>	112.37 32.39	72.00
23 21	13 23-2147	EA	4" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters..... <i>For Work In Restricted Working Space, Add</i>	133.86 38.46	85.54
23 21	13 23-2148		Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters (23 21 13 23-2050)		
23 21	13 23-2149	EA	1/2" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters..... <i>For Work In Restricted Working Space, Add</i>	16.83 4.97	11.08
23 21	13 23-2150	EA	3/4" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters..... <i>For Work In Restricted Working Space, Add</i>	22.42 6.62	14.67
23 21	13 23-2151	EA	1" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters..... <i>For Work In Restricted Working Space, Add</i>	27.76 8.21	18.26
23 21	13 23-2152	EA	1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters <i>For Work In Restricted Working Space, Add</i>	39.36 11.61	25.85
23 21	13 23-2153	EA	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters <i>For Work In Restricted Working Space, Add</i>	44.41 13.09	29.12
23 21	13 23-2154	EA	2" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters..... <i>For Work In Restricted Working Space, Add</i>	56.49 16.63	37.03
23 21	13 23-2155	EA	2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters <i>For Work In Restricted Working Space, Add</i>	86.60 24.62	54.77



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-2156 EA 3" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters..... <i>For Work In Restricted Working Space, Add</i>	114.08 32.39	72.00
23 21 13 23-2157 EA 4" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters..... <i>For Work In Restricted Working Space, Add</i>	138.33 38.46	85.54
23 21 13 23-2158 Schedule 40 Polyvinyl Chloride (PVC) P-Traps (23 21 13 23-2050)		
23 21 13 23-2159 EA 3/4" Schedule 40 Polyvinyl Chloride (PVC) P-Traps..... <i>For Work In Restricted Working Space, Add</i>	24.57 6.77	15.08
23 21 13 23-2160 Schedule 40 Polyvinyl Chloride (PVC) Couplings (23 21 13 23-2050)		
23 21 13 23-2161 EA 1/2" Schedule 40 Polyvinyl Chloride (PVC) Couplings..... <i>For Work In Restricted Working Space, Add</i>	16.72 4.97	11.08
23 21 13 23-2162 EA 3/4" Schedule 40 Polyvinyl Chloride (PVC) Couplings..... <i>For Work In Restricted Working Space, Add</i>	22.28 6.62	14.67
23 21 13 23-2163 EA 1" Schedule 40 Polyvinyl Chloride (PVC) Couplings..... <i>For Work In Restricted Working Space, Add</i>	27.76 8.21	18.26
23 21 13 23-2164 EA 1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Couplings <i>For Work In Restricted Working Space, Add</i>	39.25 11.61	25.85
23 21 13 23-2165 EA 1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Couplings <i>For Work In Restricted Working Space, Add</i>	44.25 13.09	29.12
23 21 13 23-2166 EA 2" Schedule 40 Polyvinyl Chloride (PVC) Couplings..... <i>For Work In Restricted Working Space, Add</i>	56.38 16.63	37.03
23 21 13 23-2167 EA 2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Couplings <i>For Work In Restricted Working Space, Add</i>	84.15 24.62	54.77
23 21 13 23-2168 EA 3" Schedule 40 Polyvinyl Chloride (PVC) Couplings..... <i>For Work In Restricted Working Space, Add</i>	111.24 32.39	72.00
23 21 13 23-2169 EA 4" Schedule 40 Polyvinyl Chloride (PVC) Couplings..... <i>For Work In Restricted Working Space, Add</i>	132.98 38.46	85.54
23 21 13 23-2170 EA 6" Schedule 40 Polyvinyl Chloride (PVC) Couplings..... <i>For Work In Restricted Working Space, Add</i>	161.63 43.96	97.75
23 21 13 23-2171 EA 8" Schedule 40 Polyvinyl Chloride (PVC) Couplings..... <i>For Work In Restricted Working Space, Add</i>	199.17 51.28	114.05
23 21 13 23-2172 EA 10" Schedule 40 Polyvinyl Chloride (PVC) Couplings..... <i>For Work In Restricted Working Space, Add</i>	312.79 54.97	122.25
23 21 13 23-2173 Schedule 40 Polyvinyl Chloride (PVC) Unions (23 21 13 23-2050)		
23 21 13 23-2174 EA 1/2" Schedule 40 Polyvinyl Chloride (PVC) Unions <i>For Work In Restricted Working Space, Add</i>	28.74 8.21	18.26
23 21 13 23-2175 EA 3/4" Schedule 40 Polyvinyl Chloride (PVC) Unions <i>For Work In Restricted Working Space, Add</i>	37.74 9.92	22.05
23 21 13 23-2176 EA 1" Schedule 40 Polyvinyl Chloride (PVC) Unions <i>For Work In Restricted Working Space, Add</i>	48.85 13.09	29.12
23 21 13 23-2177 EA 1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Unions <i>For Work In Restricted Working Space, Add</i>	68.12 16.63	37.03
23 21 13 23-2178 EA 1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Unions <i>For Work In Restricted Working Space, Add</i>	79.40 19.85	44.10
23 21 13 23-2179 EA 2" Schedule 40 Polyvinyl Chloride (PVC) Unions <i>For Work In Restricted Working Space, Add</i>	99.89 24.62	54.77
23 21 13 23-2180 EA 2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Unions <i>For Work In Restricted Working Space, Add</i>	140.32 32.39	72.00
23 21 13 23-2181 EA 3" Schedule 40 Polyvinyl Chloride (PVC) Unions <i>For Work In Restricted Working Space, Add</i>	162.50 38.46	85.54
23 21 13 23-2182 EA 4" Schedule 40 Polyvinyl Chloride (PVC) Unions <i>For Work In Restricted Working Space, Add</i>	238.95 51.28	114.05
23 21 13 23-2183 EA 6" Schedule 40 Polyvinyl Chloride (PVC) Unions <i>For Work In Restricted Working Space, Add</i>	311.63 66.14	147.07
23 21 13 23-2184 EA 8" Schedule 40 Polyvinyl Chloride (PVC) Unions <i>For Work In Restricted Working Space, Add</i>	423.75 82.01	182.36
23 21 13 23-2185 EA 10" Schedule 40 Polyvinyl Chloride (PVC) Unions <i>For Work In Restricted Working Space, Add</i>	587.34 101.83	226.35
23 21 13 23-2186 Schedule 40 Polyvinyl Chloride (PVC) Caps (23 21 13 23-2050)		
23 21 13 23-2187 EA 1/2" Schedule 40 Polyvinyl Chloride (PVC) Caps <i>For Work In Restricted Working Space, Add</i>	16.94 5.02	11.19
23 21 13 23-2188 EA 3/4" Schedule 40 Polyvinyl Chloride (PVC) Caps <i>For Work In Restricted Working Space, Add</i>	22.34 6.62	14.67
23 21 13 23-2189 EA 1" Schedule 40 Polyvinyl Chloride (PVC) Caps <i>For Work In Restricted Working Space, Add</i>	27.79 8.21	18.26
23 21 13 23-2190 EA 1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Caps..... <i>For Work In Restricted Working Space, Add</i>	39.71 11.73	26.11
23 21 13 23-2191 EA 1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Caps..... <i>For Work In Restricted Working Space, Add</i>	44.30 13.09	29.12
23 21 13 23-2192 EA 2" Schedule 40 Polyvinyl Chloride (PVC) Caps <i>For Work In Restricted Working Space, Add</i>	56.24 16.63	37.03
23 21 13 23-2193 EA 2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Caps..... <i>For Work In Restricted Working Space, Add</i>	84.67 24.62	54.77
23 21 13 23-2194 EA 3" Schedule 40 Polyvinyl Chloride (PVC) Caps <i>For Work In Restricted Working Space, Add</i>	110.80 32.39	72.00

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 20 HVAC Piping And Pumps****23 21 Hydronic Piping And Pumps**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21	13 23-2195	EA	4" Schedule 40 Polyvinyl Chloride (PVC) Caps <i>For Work In Restricted Working Space, Add</i>	134.72 38.46	85.54
23 21	13 23-2196	EA	6" Schedule 40 Polyvinyl Chloride (PVC) Caps <i>For Work In Restricted Working Space, Add</i>	162.10 43.96	97.75
23 21	13 23-2197	EA	8" Schedule 40 Polyvinyl Chloride (PVC) Caps <i>For Work In Restricted Working Space, Add</i>	223.04 51.28	114.05
23 21	13 23-2198	EA	10" Schedule 40 Polyvinyl Chloride (PVC) Caps <i>For Work In Restricted Working Space, Add</i>	376.01 54.97	122.25
23 21	13 23-2199		Schedule 40 Polyvinyl Chloride (PVC) 150 LB Flanges <small>(23 21 13 23-2050)</small>		
23 21	13 23-2200	EA	1/2" Schedule 40 Polyvinyl Chloride (PVC) 150 LB Socket Weld Flanges <i>For Work In Restricted Working Space, Add</i>	32.89 8.21	18.26
23 21	13 23-2201	EA	3/4" Schedule 40 Polyvinyl Chloride (PVC) 150 LB Flanges <i>For Work In Restricted Working Space, Add</i>	41.57 9.92	22.05
23 21	13 23-2202	EA	1" Schedule 40 Polyvinyl Chloride (PVC) 150 LB Flanges <i>For Work In Restricted Working Space, Add</i>	53.10 13.09	29.12
23 21	13 23-2203	EA	1-1/4" Schedule 40 Polyvinyl Chloride (PVC) 150 LB Flanges <i>For Work In Restricted Working Space, Add</i>	65.17 16.63	37.03
23 21	13 23-2204	EA	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) 150 LB Flanges <i>For Work In Restricted Working Space, Add</i>	76.12 19.85	44.10
23 21	13 23-2205	EA	2" Schedule 40 Polyvinyl Chloride (PVC) 150 LB Flanges <i>For Work In Restricted Working Space, Add</i>	95.28 24.62	54.77
23 21	13 23-2206	EA	2-1/2" Schedule 40 Polyvinyl Chloride (PVC) 150 LB Flanges <i>For Work In Restricted Working Space, Add</i>	128.39 32.39	72.00
23 21	13 23-2207	EA	3" Schedule 40 Polyvinyl Chloride (PVC) 150 LB Flanges <i>For Work In Restricted Working Space, Add</i>	150.76 38.46	85.54
23 21	13 23-2208	EA	4" Schedule 40 Polyvinyl Chloride (PVC) 150 LB Flanges <i>For Work In Restricted Working Space, Add</i>	199.50 51.28	114.05
23 21	13 23-2209	EA	6" Schedule 40 Polyvinyl Chloride (PVC) 150 LB Flanges <i>For Work In Restricted Working Space, Add</i>	265.38 66.14	147.07
23 21	13 23-2210	EA	8" Schedule 40 Polyvinyl Chloride (PVC) 150 LB Flanges <i>For Work In Restricted Working Space, Add</i>	374.66 82.01	182.36
23 21	13 23-2211	EA	10" Schedule 40 Polyvinyl Chloride (PVC) 150 LB Flanges <i>For Work In Restricted Working Space, Add</i>	567.23 101.67	226.05
23 21	13 23-2212		Schedule 80 Polyvinyl Chloride (PVC) Pressure Pipe And Fittings <small>(23 21 13 23-2049)</small> Note: ASTM D1785 with D2467 fittings.		
23 21	13 23-2213		Schedule 80 Polyvinyl Chloride (PVC) Pressure Pipe <small>(23 21 13 23-2212)</small>		
23 21	13 23-2214	LF	1/2" Schedule 80 Polyvinyl Chloride (PVC) Pressure Pipe <i>For Work In Restricted Working Space, Add</i>	4.67 1.32	2.98
23 21	13 23-2215	LF	3/4" Schedule 80 Polyvinyl Chloride (PVC) Pressure Pipe <i>For Work In Restricted Working Space, Add</i>	5.84 1.65	3.69
23 21	13 23-2216	LF	1" Schedule 80 Polyvinyl Chloride (PVC) Pressure Pipe <i>For Work In Restricted Working Space, Add</i>	7.09 1.98	4.41
23 21	13 23-2217	LF	1-1/4" Schedule 80 Polyvinyl Chloride (PVC) Pressure Pipe <i>For Work In Restricted Working Space, Add</i>	8.39 2.31	5.13
23 21	13 23-2218	LF	1-1/2" Schedule 80 Polyvinyl Chloride (PVC) Pressure Pipe <i>For Work In Restricted Working Space, Add</i>	9.62 2.64	5.85
23 21	13 23-2219	LF	2" Schedule 80 Polyvinyl Chloride (PVC) Pressure Pipe <i>For Work In Restricted Working Space, Add</i>	12.21 3.31	7.39
23 21	13 23-2220	LF	2-1/2" Schedule 80 Polyvinyl Chloride (PVC) Pressure Pipe <i>For Work In Restricted Working Space, Add</i>	13.89 3.64	8.10
23 21	13 23-2221	LF	3" Schedule 80 Polyvinyl Chloride (PVC) Pressure Pipe <i>For Work In Restricted Working Space, Add</i>	15.57 3.97	8.82
23 21	13 23-2222	LF	4" Schedule 80 Polyvinyl Chloride (PVC) Pressure Pipe <i>For Work In Restricted Working Space, Add</i>	19.98 4.97	11.08
23 21	13 23-2223	LF	6" Schedule 80 Polyvinyl Chloride (PVC) Pressure Pipe <i>For Work In Restricted Working Space, Add</i>	28.58 6.62	14.67
23 21	13 23-2224	LF	8" Schedule 80 Polyvinyl Chloride (PVC) Pressure Pipe <i>For Work In Restricted Working Space, Add</i>	36.23 7.89	17.54
23 21	13 23-2225	LF	10" Schedule 80 Polyvinyl Chloride (PVC) Pressure Pipe <i>For Work In Restricted Working Space, Add</i>	58.91 8.50	18.87
23 21	13 23-2226		Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbows <small>(23 21 13 23-2212)</small>		
23 21	13 23-2227	EA	1/2" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbows <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	17.54 4.97 2.48	11.08
23 21	13 23-2228	EA	3/4" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbows <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	23.36 6.62 3.31	14.67
23 21	13 23-2229	EA	1" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbows <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	29.45 8.21 4.10	18.26
23 21	13 23-2230	EA	1-1/4" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbows <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	41.48 11.61 5.81	25.85
23 21	13 23-2231	EA	1-1/2" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbows <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	46.62 13.09 6.55	29.12



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-2232 EA 2" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbows <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	59.05 16.63 8.32	37.03
23 21 13 23-2233 EA 2-1/2" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbows <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	90.51 24.62 12.31	54.77
23 21 13 23-2234 EA 3" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbows <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	117.47 32.39 16.19	72.00
23 21 13 23-2235 EA 4" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbows <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	142.66 38.46 19.23	85.54
23 21 13 23-2236 EA 6" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbows <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	198.71 43.96 21.98	97.75
23 21 13 23-2237 EA 8" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbows <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	284.38 51.28 25.64	114.05
23 21 13 23-2238 EA 10" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbows <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	414.48 85.99 42.99	191.18
23 21 13 23-2239 Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbows <small>(23 21 13 23-2212)</small>		
23 21 13 23-2240 EA 1/2" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbows <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	18.45 4.97 2.48	11.08
23 21 13 23-2241 EA 3/4" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbows <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	24.95 6.62 3.31	14.67
23 21 13 23-2242 EA 1" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbows <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	31.71 8.21 4.10	18.26
23 21 13 23-2243 EA 1-1/4" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbows <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	44.27 11.61 5.81	25.85
23 21 13 23-2244 EA 1-1/2" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbows <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	50.20 13.09 6.55	29.12
23 21 13 23-2245 EA 2" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbows <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	63.96 16.63 8.32	37.03
23 21 13 23-2246 EA 2-1/2" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbows <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	99.97 24.62 12.31	54.77
23 21 13 23-2247 EA 3" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbows <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	129.77 32.39 16.19	72.00
23 21 13 23-2248 EA 4" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbows <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	167.50 38.46 19.23	85.54
23 21 13 23-2249 EA 6" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbows <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	195.98 43.96 21.98	97.75
23 21 13 23-2250 EA 8" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbows <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	278.18 51.28 25.64	114.05
23 21 13 23-2251 EA 10" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbows <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	407.51 85.99 42.99	191.18
23 21 13 23-2252 Schedule 80 Polyvinyl Chloride (PVC) Tees <small>(23 21 13 23-2212)</small>		
23 21 13 23-2253 EA 1/2" Schedule 80 Polyvinyl Chloride (PVC) Tees <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	28.81 7.79 3.90	17.33
23 21 13 23-2254 EA 3/4" Schedule 80 Polyvinyl Chloride (PVC) Tees <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	36.06 9.92 4.96	22.05
23 21 13 23-2255 EA 1" Schedule 80 Polyvinyl Chloride (PVC) Tees <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	47.36 13.09 6.55	29.12
23 21 13 23-2256 EA 1-1/4" Schedule 80 Polyvinyl Chloride (PVC) Tees <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	65.72 16.63 8.32	37.03
23 21 13 23-2257 EA 1-1/2" Schedule 80 Polyvinyl Chloride (PVC) Tees <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	76.45 19.85 9.93	44.10
23 21 13 23-2258 EA 2" Schedule 80 Polyvinyl Chloride (PVC) Tees <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	94.92 24.62 12.31	54.77
23 21 13 23-2259 EA 2-1/2" Schedule 80 Polyvinyl Chloride (PVC) Tees <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	121.97 32.39 16.19	72.00

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 20 HVAC Piping And Pumps****23 21 Hydronic Piping And Pumps**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-2260 EA 3" Schedule 80 Polyvinyl Chloride (PVC) Tees..... <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	145.69 38.46 19.23	85.54
23 21 13 23-2261 EA 4" Schedule 80 Polyvinyl Chloride (PVC) Tees..... <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	191.20 51.28 25.64	114.05
23 21 13 23-2262 EA 6" Schedule 80 Polyvinyl Chloride (PVC) Tees..... <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	289.79 66.17 33.08	147.07
23 21 13 23-2263 EA 8" Schedule 80 Polyvinyl Chloride (PVC) Tees..... <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	434.06 82.05 41.03	182.46
23 21 13 23-2264 EA 10" Schedule 80 Polyvinyl Chloride (PVC) Tees..... <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	881.25 122.62 61.31	272.61
23 21 13 23-2265 Schedule 80 Polyvinyl Chloride (PVC) Crosses (23 21 13 23-22 12)		
23 21 13 23-2266 EA 1/2" Schedule 80 Polyvinyl Chloride (PVC) Crosses <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	36.91 9.74 4.87	21.64
23 21 13 23-2267 EA 3/4" Schedule 80 Polyvinyl Chloride (PVC) Crosses <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	46.03 12.41 6.20	27.59
23 21 13 23-2268 EA 1" Schedule 80 Polyvinyl Chloride (PVC) Crosses <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	60.39 16.37 8.18	36.41
23 21 13 23-2269 EA 1-1/4" Schedule 80 Polyvinyl Chloride (PVC) Crosses <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	85.42 20.79 10.40	46.25
23 21 13 23-2270 EA 1-1/2" Schedule 80 Polyvinyl Chloride (PVC) Crosses <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	98.84 24.82 12.41	55.18
23 21 13 23-2271 EA 2" Schedule 80 Polyvinyl Chloride (PVC) Crosses <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	122.74 30.77 15.38	68.41
23 21 13 23-2272 EA 2-1/2" Schedule 80 Polyvinyl Chloride (PVC) Crosses <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	156.91 40.49 20.24	90.05
23 21 13 23-2273 EA 3" Schedule 80 Polyvinyl Chloride (PVC) Crosses <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	187.65 48.08 24.04	106.87
23 21 13 23-2274 EA 4" Schedule 80 Polyvinyl Chloride (PVC) Crosses <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	245.45 64.10 32.05	142.56
23 21 13 23-2275 EA 6" Schedule 80 Polyvinyl Chloride (PVC) Crosses <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	384.10 82.67 41.34	183.79
23 21 13 23-2276 EA 8" Schedule 80 Polyvinyl Chloride (PVC) Crosses <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	593.39 102.51 51.25	227.89
23 21 13 23-2277 EA 10" Schedule 80 Polyvinyl Chloride (PVC) Crosses <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	1,251.88 153.35 76.68	340.92
23 21 13 23-2278 Schedule 80 Polyvinyl Chloride (PVC) Reducing Inserts (23 21 13 23-22 12)		
23 21 13 23-2279 EA 3/4" Schedule 80 Polyvinyl Chloride (PVC) Reducing Inserts..... <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	22.64 6.62 3.31	14.67
23 21 13 23-2280 EA 1" Schedule 80 Polyvinyl Chloride (PVC) Reducing Inserts..... <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	29.03 8.21 4.10	18.26
23 21 13 23-2281 EA 1-1/4" Schedule 80 Polyvinyl Chloride (PVC) Reducing Inserts..... <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	41.35 11.61 5.81	25.85
23 21 13 23-2282 EA 1-1/2" Schedule 80 Polyvinyl Chloride (PVC) Reducing Inserts..... <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	47.25 13.09 6.55	29.12
23 21 13 23-2283 EA 2" Schedule 80 Polyvinyl Chloride (PVC) Reducing Inserts..... <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	60.60 16.63 8.32	37.03
23 21 13 23-2284 EA 2-1/2" Schedule 80 Polyvinyl Chloride (PVC) Reducing Inserts..... <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	90.98 24.62 12.31	54.77
23 21 13 23-2285 EA 3" Schedule 80 Polyvinyl Chloride (PVC) Reducing Inserts..... <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	122.16 32.39 16.19	72.00
23 21 13 23-2286 EA 4" Schedule 80 Polyvinyl Chloride (PVC) Reducing Inserts..... <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	147.89 38.46 19.23	85.54
23 21 13 23-2287 EA 6" Schedule 80 Polyvinyl Chloride (PVC) Reducing Inserts..... <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	168.35 43.96 21.98	97.75



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-2288 EA 8" Schedule 80 Polyvinyl Chloride (PVC) Reducing Inserts..... <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	219.40 51.28 25.64	114.05
23 21 13 23-2289 EA 10" Schedule 80 Polyvinyl Chloride (PVC) Reducing Inserts..... <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	302.23 59.57 29.79	132.41
23 21 13 23-2290 Schedule 80 Polyvinyl Chloride (PVC) Threaded Reducing Inserts <small>(23 21 13 23-2212)</small>		
23 21 13 23-2291 EA 1/2" Schedule 80 Polyvinyl Chloride (PVC) Threaded Reducing Inserts <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	16.74 4.97 2.48	11.08
23 21 13 23-2292 EA 3/4" Schedule 80 Polyvinyl Chloride (PVC) Threaded Reducing Inserts <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	23.14 6.62 3.31	14.67
23 21 13 23-2293 EA 1" Schedule 80 Polyvinyl Chloride (PVC) Threaded Reducing Inserts <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	29.03 8.21 4.10	18.26
23 21 13 23-2294 EA 1-1/4" Schedule 80 Polyvinyl Chloride (PVC) Threaded Reducing Inserts <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	42.12 11.61 5.81	25.85
23 21 13 23-2295 EA 1-1/2" Schedule 80 Polyvinyl Chloride (PVC) Threaded Reducing Inserts <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	47.94 13.09 6.55	29.12
23 21 13 23-2296 EA 2" Schedule 80 Polyvinyl Chloride (PVC) Threaded Reducing Inserts <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	60.71 16.63 8.32	37.03
23 21 13 23-2297 EA 2-1/2" Schedule 80 Polyvinyl Chloride (PVC) Threaded Reducing Inserts <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	93.19 24.62 12.31	54.77
23 21 13 23-2298 EA 3" Schedule 80 Polyvinyl Chloride (PVC) Threaded Reducing Inserts <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	128.58 32.39 16.19	72.00
23 21 13 23-2299 EA 4" Schedule 80 Polyvinyl Chloride (PVC) Threaded Reducing Inserts <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	159.91 38.46 19.23	85.54
23 21 13 23-2300 Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters <small>(23 21 13 23-2212)</small>		
23 21 13 23-2301 EA 1/2" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters..... <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	18.89 4.97 2.48	11.08
23 21 13 23-2302 EA 3/4" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters..... <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	24.65 6.62 3.31	14.67
23 21 13 23-2303 EA 1" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters..... <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	31.87 8.21 4.10	18.26
23 21 13 23-2304 EA 1-1/4" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters..... <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	43.99 11.61 5.81	25.85
23 21 13 23-2305 EA 1-1/2" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters..... <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	51.25 13.09 6.55	29.12
23 21 13 23-2306 EA 2" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters..... <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	65.36 16.63 8.32	37.03
23 21 13 23-2307 EA 2-1/2" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters..... <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	93.35 24.62 12.31	54.77
23 21 13 23-2308 EA 3" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters..... <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	120.50 32.39 16.19	72.00
23 21 13 23-2309 EA 4" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters..... <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	150.51 38.46 19.23	85.54
23 21 13 23-2310 Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters <small>(23 21 13 23-2212)</small>		
23 21 13 23-2311 EA 1/2" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters..... <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	18.26 4.97 2.48	11.08
23 21 13 23-2312 EA 3/4" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters..... <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	24.60 6.62 3.31	14.67
23 21 13 23-2313 EA 1" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters..... <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	31.10 8.21 4.10	18.26
23 21 13 23-2314 EA 1-1/4" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	44.79 11.61 5.81	25.85

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 20 HVAC Piping And Pumps****23 21 Hydronic Piping And Pumps**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-2315 EA 1-1/2" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters	51.11	29.12
For Work In Restricted Working Space, Add	13.09	
For Threaded Fittings, Add	6.55	
23 21 13 23-2316 EA 2" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters	68.45	37.03
For Work In Restricted Working Space, Add	16.63	
For Threaded Fittings, Add	8.32	
23 21 13 23-2317 EA 2-1/2" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters	102.61	54.77
For Work In Restricted Working Space, Add	24.62	
For Threaded Fittings, Add	12.31	
23 21 13 23-2318 EA 3" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters	131.12	72.00
For Work In Restricted Working Space, Add	32.39	
For Threaded Fittings, Add	16.19	
23 21 13 23-2319 EA 4" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters	168.02	85.54
For Work In Restricted Working Space, Add	38.46	
For Threaded Fittings, Add	19.23	
23 21 13 23-2320 Schedule 80 Polyvinyl Chloride (PVC) Couplings (23 21 13 23-2212)		
23 21 13 23-2321 EA 1/2" Schedule 80 Polyvinyl Chloride (PVC) Couplings	18.37	11.08
For Work In Restricted Working Space, Add	4.97	
For Threaded Fittings, Add	2.48	
23 21 13 23-2322 EA 3/4" Schedule 80 Polyvinyl Chloride (PVC) Couplings	24.51	14.67
For Work In Restricted Working Space, Add	6.62	
For Threaded Fittings, Add	3.31	
23 21 13 23-2323 EA 1" Schedule 80 Polyvinyl Chloride (PVC) Couplings	29.89	18.26
For Work In Restricted Working Space, Add	8.21	
For Threaded Fittings, Add	4.10	
23 21 13 23-2324 EA 1-1/4" Schedule 80 Polyvinyl Chloride (PVC) Couplings	42.59	25.85
For Work In Restricted Working Space, Add	11.61	
For Threaded Fittings, Add	5.81	
23 21 13 23-2325 EA 1-1/2" Schedule 80 Polyvinyl Chloride (PVC) Couplings	47.83	29.12
For Work In Restricted Working Space, Add	13.09	
For Threaded Fittings, Add	6.55	
23 21 13 23-2326 EA 2" Schedule 80 Polyvinyl Chloride (PVC) Couplings	59.91	37.03
For Work In Restricted Working Space, Add	16.63	
For Threaded Fittings, Add	8.32	
23 21 13 23-2327 EA 2-1/2" Schedule 80 Polyvinyl Chloride (PVC) Couplings	93.10	54.77
For Work In Restricted Working Space, Add	24.62	
For Threaded Fittings, Add	12.31	
23 21 13 23-2328 EA 3" Schedule 80 Polyvinyl Chloride (PVC) Couplings	120.67	72.00
For Work In Restricted Working Space, Add	32.39	
For Threaded Fittings, Add	16.19	
23 21 13 23-2329 EA 4" Schedule 80 Polyvinyl Chloride (PVC) Couplings	144.14	85.54
For Work In Restricted Working Space, Add	38.46	
For Threaded Fittings, Add	19.23	
23 21 13 23-2330 EA 6" Schedule 80 Polyvinyl Chloride (PVC) Couplings	180.79	97.75
For Work In Restricted Working Space, Add	43.96	
For Threaded Fittings, Add	21.98	
23 21 13 23-2331 EA 8" Schedule 80 Polyvinyl Chloride (PVC) Couplings	217.58	114.05
For Work In Restricted Working Space, Add	51.28	
For Threaded Fittings, Add	25.64	
23 21 13 23-2332 EA 10" Schedule 80 Polyvinyl Chloride (PVC) Couplings	321.06	122.25
For Work In Restricted Working Space, Add	54.97	
For Threaded Fittings, Add	27.48	
23 21 13 23-2333 Schedule 80 Polyvinyl Chloride (PVC) Unions (23 21 13 23-2212)		
23 21 13 23-2334 EA 1/2" Schedule 80 Polyvinyl Chloride (PVC) Unions	31.43	18.26
For Work In Restricted Working Space, Add	8.21	
For Threaded Fittings, Add	4.10	
23 21 13 23-2335 EA 3/4" Schedule 80 Polyvinyl Chloride (PVC) Unions	37.79	22.05
For Work In Restricted Working Space, Add	9.92	
For Threaded Fittings, Add	4.96	
23 21 13 23-2336 EA 1" Schedule 80 Polyvinyl Chloride (PVC) Unions	49.02	29.12
For Work In Restricted Working Space, Add	13.09	
For Threaded Fittings, Add	6.55	
23 21 13 23-2337 EA 1-1/4" Schedule 80 Polyvinyl Chloride (PVC) Unions	68.89	37.03
For Work In Restricted Working Space, Add	16.63	
For Threaded Fittings, Add	8.32	
23 21 13 23-2338 EA 1-1/2" Schedule 80 Polyvinyl Chloride (PVC) Unions	83.48	44.10
For Work In Restricted Working Space, Add	19.85	
For Threaded Fittings, Add	9.93	
23 21 13 23-2339 EA 2" Schedule 80 Polyvinyl Chloride (PVC) Unions	105.51	54.77
For Work In Restricted Working Space, Add	24.62	
For Threaded Fittings, Add	12.31	
23 21 13 23-2340 EA 2-1/2" Schedule 80 Polyvinyl Chloride (PVC) Unions	151.64	72.00
For Work In Restricted Working Space, Add	32.39	
For Threaded Fittings, Add	16.19	
23 21 13 23-2341 EA 3" Schedule 80 Polyvinyl Chloride (PVC) Unions	184.51	85.54
For Work In Restricted Working Space, Add	38.46	
For Threaded Fittings, Add	19.23	
23 21 13 23-2342 EA 4" Schedule 80 Polyvinyl Chloride (PVC) Unions	239.11	114.05
For Work In Restricted Working Space, Add	51.28	
For Threaded Fittings, Add	25.64	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-2343 EA 6" Schedule 80 Polyvinyl Chloride (PVC) Unions <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	311.63 66.14 33.07	147.07
23 21 13 23-2344 EA 8" Schedule 80 Polyvinyl Chloride (PVC) Unions <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	423.75 82.01 41.00	182.36
23 21 13 23-2345 EA 10" Schedule 80 Polyvinyl Chloride (PVC) Unions <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	586.81 101.67 50.84	226.05
23 21 13 23-2346 Schedule 80 Polyvinyl Chloride (PVC) Caps <small>(23 21 13 23-2212)</small>		
23 21 13 23-2347 EA 1/2" Schedule 80 Polyvinyl Chloride (PVC) Caps <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	19.11 4.97 2.48	11.08
23 21 13 23-2348 EA 3/4" Schedule 80 Polyvinyl Chloride (PVC) Caps <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	24.76 6.62 3.31	14.67
23 21 13 23-2349 EA 1" Schedule 80 Polyvinyl Chloride (PVC) Caps <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	32.15 8.21 4.10	18.26
23 21 13 23-2350 EA 1-1/4" Schedule 80 Polyvinyl Chloride (PVC) Caps <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	44.49 11.61 5.81	25.85
23 21 13 23-2351 EA 1-1/2" Schedule 80 Polyvinyl Chloride (PVC) Caps <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	49.43 13.09 6.55	29.12
23 21 13 23-2352 EA 2" Schedule 80 Polyvinyl Chloride (PVC) Caps <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	64.12 16.63 8.32	37.03
23 21 13 23-2353 EA 2-1/2" Schedule 80 Polyvinyl Chloride (PVC) Caps <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	99.89 24.62 12.31	54.77
23 21 13 23-2354 EA 3" Schedule 80 Polyvinyl Chloride (PVC) Caps <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	129.77 32.39 16.19	72.00
23 21 13 23-2355 EA 4" Schedule 80 Polyvinyl Chloride (PVC) Caps <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	163.28 38.46 19.23	85.54
23 21 13 23-2356 EA 6" Schedule 80 Polyvinyl Chloride (PVC) Caps <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	233.63 43.96 21.98	97.75
23 21 13 23-2357 EA 8" Schedule 80 Polyvinyl Chloride (PVC) Caps <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	290.61 51.28 25.64	114.05
23 21 13 23-2358 EA 10" Schedule 80 Polyvinyl Chloride (PVC) Caps <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	403.58 54.97 27.48	122.25
23 21 13 23-2359 Schedule 80 Polyvinyl Chloride (PVC) 150 LB Flanges <small>(23 21 13 23-2212)</small>		
23 21 13 23-2360 EA 1/2" Schedule 80 Polyvinyl Chloride (PVC) 150 LB Flanges <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	35.26 8.21 4.10	18.26
23 21 13 23-2361 EA 3/4" Schedule 80 Polyvinyl Chloride (PVC) 150 LB Flanges <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	41.57 9.92 4.96	22.05
23 21 13 23-2362 EA 1" Schedule 80 Polyvinyl Chloride (PVC) 150 LB Flanges <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	53.10 13.09 6.55	29.12
23 21 13 23-2363 EA 1-1/4" Schedule 80 Polyvinyl Chloride (PVC) 150 LB Flanges <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	65.17 16.63 8.32	37.03
23 21 13 23-2364 EA 1-1/2" Schedule 80 Polyvinyl Chloride (PVC) 150 LB Flanges <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	76.12 19.85 9.93	44.10
23 21 13 23-2365 EA 2" Schedule 80 Polyvinyl Chloride (PVC) 150 LB Flanges <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	95.28 24.62 12.31	54.77
23 21 13 23-2366 EA 2-1/2" Schedule 80 Polyvinyl Chloride (PVC) 150 LB Flanges <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	128.39 32.39 16.19	72.00
23 21 13 23-2367 EA 3" Schedule 80 Polyvinyl Chloride (PVC) 150 LB Flanges <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	150.76 38.46 19.23	85.54
23 21 13 23-2368 EA 4" Schedule 80 Polyvinyl Chloride (PVC) 150 LB Flanges <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	199.50 51.28 25.64	114.05
23 21 13 23-2369 EA 6" Schedule 80 Polyvinyl Chloride (PVC) 150 LB Flanges <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	265.38 66.14 33.07	147.07
23 21 13 23-2370 EA 8" Schedule 80 Polyvinyl Chloride (PVC) 150 LB Flanges <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	374.66 82.01 41.00	182.36

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 20 HVAC Piping And Pumps****23 21 Hydronic Piping And Pumps**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-2371 EA 10" Schedule 80 Polyvinyl Chloride (PVC) 150 LB Flanges.....	567.23	226.05
For Work In Restricted Working Space, Add	101.67	
For Threaded Fittings, Add	50.84	
23 21 13 23-2372 Cut And Prepare Existing Polyvinyl Chloride (PVC) Pressure Pipe (23 21 13 23-2049)		
Note: In place pipe.		
23 21 13 23-2373 EA 1/2", Cut And Prepare Existing Polyvinyl Chloride (PVC) Pressure Pipe.....	5.57	
For Work In Restricted Working Space, Add	1.67	
23 21 13 23-2374 EA 3/4", Cut And Prepare Existing Polyvinyl Chloride (PVC) Pressure Pipe.....	6.02	
For Work In Restricted Working Space, Add	1.81	
23 21 13 23-2375 EA 1", Cut And Prepare Existing Polyvinyl Chloride (PVC) Pressure Pipe.....	6.77	
For Work In Restricted Working Space, Add	2.03	
23 21 13 23-2376 EA 1-1/4", Cut And Prepare Existing Polyvinyl Chloride (PVC) Pressure Pipe.....	7.11	
For Work In Restricted Working Space, Add	2.13	
23 21 13 23-2377 EA 1-1/2", Cut And Prepare Existing Polyvinyl Chloride (PVC) Pressure Pipe.....	7.52	
For Work In Restricted Working Space, Add	2.26	
23 21 13 23-2378 EA 2", Cut And Prepare Existing Polyvinyl Chloride (PVC) Pressure Pipe.....	8.27	
For Work In Restricted Working Space, Add	2.48	
23 21 13 23-2379 EA 2-1/2", Cut And Prepare Existing Polyvinyl Chloride (PVC) Pressure Pipe.....	8.91	
For Work In Restricted Working Space, Add	2.67	
23 21 13 23-2380 EA 3", Cut And Prepare Existing Polyvinyl Chloride (PVC) Pressure Pipe.....	10.53	
For Work In Restricted Working Space, Add	3.16	
23 21 13 23-2381 EA 4", Cut And Prepare Existing Polyvinyl Chloride (PVC) Pressure Pipe.....	14.21	
For Work In Restricted Working Space, Add	4.26	
23 21 13 23-2382 EA 6", Cut And Prepare Existing Polyvinyl Chloride (PVC) Pressure Pipe.....	20.30	
For Work In Restricted Working Space, Add	6.09	
23 21 13 23-2383 EA 8", Cut And Prepare Existing Polyvinyl Chloride (PVC) Pressure Pipe.....	27.08	
For Work In Restricted Working Space, Add	8.12	
23 21 13 23-2384 EA 10", Cut And Prepare Existing Polyvinyl Chloride (PVC) Pressure Pipe.....	33.10	
For Work In Restricted Working Space, Add	9.93	
23 21 13 23-2385 Polyethylene Pipe And Fittings (23 21 13 23)		
23 21 13 23-2386 Small Diameter Tubing (23 21 13 23-2385)		
23 21 13 23-2387 Tubing (23 21 13 23-2386)		
23 21 13 23-2388 LF 1/4" Polyethylene Tubing.....	3.15	
For Work In Restricted Working Space, Add	0.93	
23 21 13 23-2389 LF 5/16" Polyethylene Tubing.....	3.25	
For Work In Restricted Working Space, Add	0.95	
23 21 13 23-2390 LF 3/8" Polyethylene Tubing.....	3.34	
For Work In Restricted Working Space, Add	0.97	
23 21 13 23-2391 LF 1/2" Polyethylene Tubing.....	3.57	
For Work In Restricted Working Space, Add	1.05	
23 21 13 23-2392 Chrome Plated Pipe (23 21 13 23)		
23 21 13 23-2393 Chrome Plated Nipples (23 21 13 23-2392)		
23 21 13 23-2394 Close (23 21 13 23-2393)		
23 21 13 23-2395 EA 1/4" Diameter Chrome Plated Nipple, Close.....	16.94	8.91
23 21 13 23-2396 EA 3/8" Diameter Chrome Plated Nipple, Close.....	17.15	9.70
23 21 13 23-2397 EA 1/2" Diameter Chrome Plated Nipple, Close.....	20.60	11.14
23 21 13 23-2398 EA 3/4" Diameter Chrome Plated Nipple, Close.....	26.59	14.15
23 21 13 23-2399 EA 1" Diameter Chrome Plated Nipple, Close.....	35.33	18.61
23 21 13 23-2400 EA 1-1/4" Diameter Chrome Plated Nipple, Close.....	49.78	25.97
23 21 13 23-2401 EA 1-1/2" Diameter Chrome Plated Nipple, Close.....	59.67	30.42
23 21 13 23-2402 EA 2" Diameter Chrome Plated Nipple, Close.....	75.76	37.89
23 21 13 23-2403 1-1/2" Nipples (23 21 13 23-2393)		
23 21 13 23-2404 EA 1/4" Diameter Chrome Plated Nipple, 1-1/2" Length.....	17.88	9.25
23 21 13 23-2405 EA 3/8" Diameter Chrome Plated Nipple, 1-1/2" Length.....	17.97	10.03
23 21 13 23-2406 EA 1/2" Diameter Chrome Plated Nipple, 1-1/2" Length.....	21.18	11.48
23 21 13 23-2407 EA 3/4" Diameter Chrome Plated Nipple, 1-1/2" Length.....	27.42	14.49
23 21 13 23-2408 2" Nipples (23 21 13 23-2393)		
23 21 13 23-2409 EA 1/4" Diameter Chrome Plated Nipple, 2" Length.....	18.60	9.70
23 21 13 23-2410 EA 3/8" Diameter Chrome Plated Nipple, 2" Length.....	18.61	10.36
23 21 13 23-2411 EA 1/2" Diameter Chrome Plated Nipple, 2" Length.....	22.37	11.92
23 21 13 23-2412 EA 3/4" Diameter Chrome Plated Nipple, 2" Length.....	28.50	14.82
23 21 13 23-2413 EA 1" Diameter Chrome Plated Nipple, 2" Length.....	37.09	19.27
23 21 13 23-2414 EA 1-1/4" Diameter Chrome Plated Nipple, 2" Length.....	52.26	26.74
23 21 13 23-2415 EA 1-1/2" Diameter Chrome Plated Nipple, 2" Length.....	62.45	31.20
23 21 13 23-2416 2-1/2" Nipples (23 21 13 23-2393)		
23 21 13 23-2417 EA 1/4" Diameter Chrome Plated Nipple, 2-1/2" Length.....	19.53	10.03
23 21 13 23-2418 EA 3/8" Diameter Chrome Plated Nipple, 2-1/2" Length.....	19.29	10.81



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-2419 EA 1/2" Diameter Chrome Plated Nipple, 2-1/2" Length.....	23.23	12.26
23 21 13 23-2420 EA 3/4" Diameter Chrome Plated Nipple, 2-1/2" Length.....	29.20	15.27
23 21 13 23-2421 EA 1" Diameter Chrome Plated Nipple, 2-1/2" Length.....	38.00	19.73
23 21 13 23-2422 EA 1-1/4" Diameter Chrome Plated Nipple, 2-1/2" Length.....	54.35	27.07
23 21 13 23-2423 EA 1-1/2" Diameter Chrome Plated Nipple, 2-1/2" Length.....	65.14	31.54
23 21 13 23-2424 EA 2" Diameter Chrome Plated Nipple, 2-1/2" Length.....	81.89	39.00
23 21 13 23-2425 3" Nipples (23 21 13 23-2393)		
23 21 13 23-2426 EA 1/4" Diameter Chrome Plated Nipple, 3" Length.....	20.29	10.36
23 21 13 23-2427 EA 3/8" Diameter Chrome Plated Nipple, 3" Length.....	20.21	11.14
23 21 13 23-2428 EA 1/2" Diameter Chrome Plated Nipple, 3" Length.....	22.74	11.92
23 21 13 23-2429 EA 3/4" Diameter Chrome Plated Nipple, 3" Length.....	30.80	15.60
23 21 13 23-2430 EA 1" Diameter Chrome Plated Nipple, 3" Length.....	40.96	20.06
23 21 13 23-2431 EA 1-1/4" Diameter Chrome Plated Nipple, 3" Length.....	56.63	27.53
23 21 13 23-2432 EA 1-1/2" Diameter Chrome Plated Nipple, 3" Length.....	71.07	31.98
23 21 13 23-2433 EA 2" Diameter Chrome Plated Nipple, 3" Length.....	86.59	39.44
23 21 13 23-2434 3-1/2" Nipples (23 21 13 23-2393)		
23 21 13 23-2435 EA 1/4" Diameter Chrome Plated Nipple, 3-1/2" Length.....	21.14	10.81
23 21 13 23-2436 EA 3/8" Diameter Chrome Plated Nipple, 3-1/2" Length.....	21.55	11.48
23 21 13 23-2437 EA 1/2" Diameter Chrome Plated Nipple, 3-1/2" Length.....	24.99	13.03
23 21 13 23-2438 EA 3/4" Diameter Chrome Plated Nipple, 3-1/2" Length.....	33.05	15.94
23 21 13 23-2439 EA 1" Diameter Chrome Plated Nipple, 3-1/2" Length.....	42.30	20.39
23 21 13 23-2440 EA 1-1/4" Diameter Chrome Plated Nipple, 3-1/2" Length.....	60.76	27.86
23 21 13 23-2441 EA 1-1/2" Diameter Chrome Plated Nipple, 3-1/2" Length.....	73.06	32.32
23 21 13 23-2442 EA 2" Diameter Chrome Plated Nipple, 3-1/2" Length.....	90.41	39.79
23 21 13 23-2443 4" Nipples (23 21 13 23-2393)		
23 21 13 23-2444 EA 1/4" Diameter Chrome Plated Nipple, 4" Length.....	21.97	11.14
23 21 13 23-2445 EA 3/8" Diameter Chrome Plated Nipple, 4" Length.....	22.15	11.92
23 21 13 23-2446 EA 1/2" Diameter Chrome Plated Nipple, 4" Length.....	24.81	12.59
23 21 13 23-2447 EA 3/4" Diameter Chrome Plated Nipple, 4" Length.....	34.11	16.38
23 21 13 23-2448 EA 1" Diameter Chrome Plated Nipple, 4" Length.....	43.58	20.84
23 21 13 23-2449 EA 1-1/4" Diameter Chrome Plated Nipple, 4" Length.....	63.99	28.19
23 21 13 23-2450 EA 1-1/2" Diameter Chrome Plated Nipple, 4" Length.....	76.85	32.65
23 21 13 23-2451 EA 2" Diameter Chrome Plated Nipple, 4" Length.....	95.00	40.12
23 21 13 23-2452 4-1/2" Nipples (23 21 13 23-2393)		
23 21 13 23-2453 EA 1/4" Diameter Chrome Plated Nipple, 4-1/2" Length.....	22.74	11.48
23 21 13 23-2454 EA 3/8" Diameter Chrome Plated Nipple, 4-1/2" Length.....	23.52	12.26
23 21 13 23-2455 EA 1/2" Diameter Chrome Plated Nipple, 4-1/2" Length.....	27.11	13.71
23 21 13 23-2456 EA 3/4" Diameter Chrome Plated Nipple, 4-1/2" Length.....	35.30	16.71
23 21 13 23-2457 EA 1" Diameter Chrome Plated Nipple, 4-1/2" Length.....	47.28	21.17
23 21 13 23-2458 EA 1-1/4" Diameter Chrome Plated Nipple, 4-1/2" Length.....	67.10	28.64
23 21 13 23-2459 EA 1-1/2" Diameter Chrome Plated Nipple, 4-1/2" Length.....	78.68	33.09
23 21 13 23-2460 EA 2" Diameter Chrome Plated Nipple, 4-1/2" Length.....	99.25	40.56
23 21 13 23-2461 5" Nipples (23 21 13 23-2393)		
23 21 13 23-2462 EA 1/4" Diameter Chrome Plated Nipple, 5" Length.....	24.65	11.92
23 21 13 23-2463 EA 3/8" Diameter Chrome Plated Nipple, 5" Length.....	24.47	12.59
23 21 13 23-2464 EA 1/2" Diameter Chrome Plated Nipple, 5" Length.....	27.98	14.15
23 21 13 23-2465 EA 3/4" Diameter Chrome Plated Nipple, 5" Length.....	36.44	17.05
23 21 13 23-2466 EA 1" Diameter Chrome Plated Nipple, 5" Length.....	49.64	21.51
23 21 13 23-2467 EA 1-1/4" Diameter Chrome Plated Nipple, 5" Length.....	69.96	28.97
23 21 13 23-2468 EA 1-1/2" Diameter Chrome Plated Nipple, 5" Length.....	82.48	33.43
23 21 13 23-2469 EA 2" Diameter Chrome Plated Nipple, 5" Length.....	102.09	40.89
23 21 13 23-2470 5-1/2" Nipples (23 21 13 23-2393)		
23 21 13 23-2471 EA 1/4" Diameter Chrome Plated Nipple, 5-1/2" Length.....	25.45	12.26
23 21 13 23-2472 EA 3/8" Diameter Chrome Plated Nipple, 5-1/2" Length.....	25.28	13.03
23 21 13 23-2473 EA 1/2" Diameter Chrome Plated Nipple, 5-1/2" Length.....	29.88	14.49
23 21 13 23-2474 EA 3/4" Diameter Chrome Plated Nipple, 5-1/2" Length.....	37.59	17.50
23 21 13 23-2475 EA 1" Diameter Chrome Plated Nipple, 5-1/2" Length.....	51.02	21.95
23 21 13 23-2476 EA 1-1/4" Diameter Chrome Plated Nipple, 5-1/2" Length.....	73.35	29.30
23 21 13 23-2477 EA 1-1/2" Diameter Chrome Plated Nipple, 5-1/2" Length.....	85.54	33.77
23 21 13 23-2478 EA 2" Diameter Chrome Plated Nipple, 5-1/2" Length.....	105.66	41.23
23 21 13 23-2479 6" Nipples (23 21 13 23-2393)		
23 21 13 23-2480 EA 1/4" Diameter Chrome Plated Nipple, 6" Length.....	26.32	12.59
23 21 13 23-2481 EA 3/8" Diameter Chrome Plated Nipple, 6" Length.....	25.89	13.38
23 21 13 23-2482 EA 1/2" Diameter Chrome Plated Nipple, 6" Length.....	30.73	14.82
23 21 13 23-2483 EA 3/4" Diameter Chrome Plated Nipple, 6" Length.....	38.58	17.83
23 21 13 23-2484 EA 1" Diameter Chrome Plated Nipple, 6" Length.....	54.61	22.29

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 20 HVAC Piping And Pumps****23 21 Hydronic Piping And Pumps**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21	13 23-2485	EA	1-1/4" Diameter Chrome Plated Nipple, 6" Length.....	75.56	29.76
23 21	13 23-2486	EA	1-1/2" Diameter Chrome Plated Nipple, 6" Length.....	90.13	34.21
23 21	13 23-2487	EA	2" Diameter Chrome Plated Nipple, 6" Length.....	108.91	41.68
23 21	13 23-2488		8" Nipples (23 21 13 23-2393)		
23 21	13 23-2489	EA	3/8" Diameter Chrome Plated Nipple, 8" Length.....	29.40	14.15
23 21	13 23-2490	EA	1/2" Diameter Chrome Plated Nipple, 8" Length.....	39.25	15.60
23 21	13 23-2491	EA	3/4" Diameter Chrome Plated Nipple, 8" Length.....	47.41	18.61
23 21	13 23-2492	EA	1" Diameter Chrome Plated Nipple, 8" Length.....	61.68	23.06
23 21	13 23-2493	EA	1-1/4" Diameter Chrome Plated Nipple, 8" Length.....	86.42	30.42
23 21	13 23-2494	EA	1-1/2" Diameter Chrome Plated Nipple, 8" Length.....	104.16	34.88
23 21	13 23-2495	EA	2" Diameter Chrome Plated Nipple, 8" Length.....	127.79	42.35
23 21	13 23-2496		10" Nipples (23 21 13 23-2393)		
23 21	13 23-2497	EA	3/8" Diameter Chrome Plated Nipple, 10" Length.....	32.19	14.15
23 21	13 23-2498	EA	1/2" Diameter Chrome Plated Nipple, 10" Length.....	42.75	15.60
23 21	13 23-2499	EA	3/4" Diameter Chrome Plated Nipple, 10" Length.....	51.47	18.61
23 21	13 23-2500	EA	1" Diameter Chrome Plated Nipple, 10" Length.....	67.82	23.06
23 21	13 23-2501	EA	1-1/4" Diameter Chrome Plated Nipple, 10" Length.....	99.58	30.42
23 21	13 23-2502	EA	1-1/2" Diameter Chrome Plated Nipple, 10" Length.....	114.19	34.88
23 21	13 23-2503	EA	2" Diameter Chrome Plated Nipple, 10" Length.....	143.80	42.35
23 21	13 23-2504		12" Nipples (23 21 13 23-2393)		
23 21	13 23-2505	EA	3/8" Diameter Chrome Plated Nipple, 12" Length.....	35.80	15.60
23 21	13 23-2506	EA	1/2" Diameter Chrome Plated Nipple, 12" Length.....	44.76	16.38
23 21	13 23-2507	EA	3/4" Diameter Chrome Plated Nipple, 12" Length.....	55.88	19.27
23 21	13 23-2508	EA	1" Diameter Chrome Plated Nipple, 12" Length.....	77.60	24.51
23 21	13 23-2509	EA	1-1/4" Diameter Chrome Plated Nipple, 12" Length.....	109.93	31.98
23 21	13 23-2510	EA	2" Diameter Chrome Plated Nipple, 12" Length.....	158.93	43.91
23 21	13 23-2511		18" Nipples (23 21 13 23-2393)		
23 21	13 23-2512	EA	3/8" Diameter Chrome Plated Nipple, 18" Length.....	42.81	16.38
23 21	13 23-2513		24" Nipples (23 21 13 23-2393)		
23 21	13 23-2514	EA	3/8" Diameter Chrome Plated Nipple, 24" Length.....	49.55	17.05
23 21	13 23-2515		30" Nipples (23 21 13 23-2393)		
23 21	13 23-2516	EA	3/8" Diameter Chrome Plated Nipple, 30" Length.....	54.06	17.83
23 21	13 23-2517		36" Nipples (23 21 13 23-2393)		
23 21	13 23-2518	EA	3/8" Diameter Chrome Plated Nipple, 36" Length.....	58.59	18.61
23 21	13 23-2519		Chrome Plated Fittings (23 21 13 23-2392)		
23 21	13 23-2520		Chrome Plated 90 Degree Elbows (23 21 13 23-2519)		
23 21	13 23-2521	EA	1/4" 90 Degree Elbow, Chrome Plated.....	20.28	10.36
23 21	13 23-2522	EA	3/8" 90 Degree Elbow, Chrome Plated.....	21.09	11.14
23 21	13 23-2523	EA	1/2" 90 Degree Elbow, Chrome Plated.....	23.24	11.92
23 21	13 23-2524	EA	3/4" 90 Degree Elbow, Chrome Plated.....	30.00	15.60
23 21	13 23-2525	EA	1" 90 Degree Elbow, Chrome Plated.....	39.87	20.06
23 21	13 23-2526	EA	1-1/4" 90 Degree Elbow, Chrome Plated.....	58.76	27.53
23 21	13 23-2527	EA	1-1/2" 90 Degree Elbow, Chrome Plated.....	69.78	31.98
23 21	13 23-2528	EA	2" 90 Degree Elbow, Chrome Plated.....	92.20	39.44
23 21	13 23-2529		Chrome Plated Street 90 Degree Elbows (23 21 13 23-2519)		
23 21	13 23-2530	EA	1/4" Street 90 Degree Elbow, Chrome Plated.....	22.24	10.36
23 21	13 23-2531	EA	3/8" Street 90 Degree Elbow, Chrome Plated.....	23.24	11.14
23 21	13 23-2532	EA	1/2" Street 90 Degree Elbow, Chrome Plated.....	24.74	11.92
23 21	13 23-2533	EA	3/4" Street 90 Degree Elbow, Chrome Plated.....	32.19	15.60
23 21	13 23-2534	EA	1" Street 90 Degree Elbow, Chrome Plated.....	43.94	20.06
23 21	13 23-2535	EA	1-1/4" Street 90 Degree Elbow, Chrome Plated.....	62.93	27.53
23 21	13 23-2536	EA	1-1/2" Street 90 Degree Elbow, Chrome Plated.....	75.62	31.98
23 21	13 23-2537	EA	2" Street 90 Degree Elbow, Chrome Plated.....	105.96	39.44
23 21	13 23-2538		Chrome Plated 45 Degree Elbows (23 21 13 23-2519)		
23 21	13 23-2539	EA	1/4" 45 Degree Elbow, Chrome Plated.....	20.71	10.36
23 21	13 23-2540	EA	3/8" 45 Degree Elbow, Chrome Plated.....	21.71	11.14
23 21	13 23-2541	EA	1/2" 45 Degree Elbow, Chrome Plated.....	23.69	11.92
23 21	13 23-2542	EA	3/4" 45 Degree Elbow, Chrome Plated.....	31.67	15.60



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-2543 EA 1" 45 Degree Elbow, Chrome Plated	41.76	20.06
23 21 13 23-2544 EA 1-1/4" 45 Degree Elbow, Chrome Plated	61.02	27.53
23 21 13 23-2545 EA 1-1/2" 45 Degree Elbow, Chrome Plated	72.80	31.98
23 21 13 23-2546 EA 2" 45 Degree Elbow, Chrome Plated	100.52	39.44
23 21 13 23-2547 Chrome Plated Street 45 Degree Elbows (23 21 13 23-2519)		
23 21 13 23-2548 EA 1/2" Street 45 Degree Elbow, Chrome Plated	26.38	11.92
23 21 13 23-2549 Chrome Plated Couplings (23 21 13 23-2519)		
23 21 13 23-2550 EA 1/4" Coupling, Chrome Plated	20.01	10.36
23 21 13 23-2551 EA 3/8" Coupling, Chrome Plated	21.12	11.14
23 21 13 23-2552 EA 1/2" Coupling, Chrome Plated	23.35	11.92
23 21 13 23-2553 EA 3/4" Coupling, Chrome Plated	30.03	15.60
23 21 13 23-2554 EA 1" Coupling, Chrome Plated	38.94	20.06
23 21 13 23-2555 EA 1-1/4" Coupling, Chrome Plated	55.37	27.53
23 21 13 23-2556 EA 1-1/2" Coupling, Chrome Plated	66.94	31.98
23 21 13 23-2557 EA 2" Coupling, Chrome Plated	88.74	39.44
23 21 13 23-2558 Chrome Plated Unions (23 21 13 23-2519)		
23 21 13 23-2559 EA 1/4" Union, Chrome Plated	28.49	11.92
23 21 13 23-2560 EA 3/8" Union, Chrome Plated	29.61	12.59
23 21 13 23-2561 EA 1/2" Union, Chrome Plated	34.92	14.15
23 21 13 23-2562 EA 3/4" Union, Chrome Plated	44.12	18.61
23 21 13 23-2563 EA 1" Union, Chrome Plated	56.01	23.74
23 21 13 23-2564 EA 1-1/4" Union, Chrome Plated	85.81	31.98
23 21 13 23-2565 EA 1-1/2" Union, Chrome Plated	105.41	37.89
23 21 13 23-2566 EA 2" Union, Chrome Plated	134.98	46.14
23 21 13 23-2567 Chrome Plated Caps (23 21 13 23-2519)		
23 21 13 23-2568 EA 1/4" Cap, Chrome Plated	12.10	5.24
23 21 13 23-2569 EA 3/8" Cap, Chrome Plated	12.65	5.57
23 21 13 23-2570 EA 1/2" Cap, Chrome Plated	14.13	5.91
23 21 13 23-2571 EA 3/4" Cap, Chrome Plated	17.93	7.80
23 21 13 23-2572 EA 1" Cap, Chrome Plated	21.87	10.03
23 21 13 23-2573 EA 1-1/4" Cap, Chrome Plated	31.50	13.71
23 21 13 23-2574 EA 1-1/2" Cap, Chrome Plated	39.88	15.94
23 21 13 23-2575 EA 2" Cap, Chrome Plated	56.41	20.84
23 21 13 23-2576 Chrome Plated Plugs (23 21 13 23-2519)		
23 21 13 23-2577 EA 1/4" Plug, Chrome Plated	10.61	5.24
23 21 13 23-2578 EA 3/8" Plug, Chrome Plated	11.16	5.57
23 21 13 23-2579 EA 1/2" Plug, Chrome Plated	12.56	5.91
23 21 13 23-2580 EA 3/4" Plug, Chrome Plated	16.81	7.80
23 21 13 23-2581 EA 1" Plug, Chrome Plated	21.02	10.03
23 21 13 23-2582 EA 1-1/4" Plug, Chrome Plated	28.55	13.71
23 21 13 23-2583 EA 1-1/2" Plug, Chrome Plated	34.48	15.94
23 21 13 23-2584 EA 2" Plug, Chrome Plated	47.02	20.84
23 21 13 23-2585 Chrome Plated Tees (23 21 13 23-2519)		
23 21 13 23-2586 EA 1/4" Tee, Chrome Plated	29.04	15.60
23 21 13 23-2587 EA 3/8" Tee, Chrome Plated	31.27	17.05
23 21 13 23-2588 EA 1/2" Tee, Chrome Plated	34.50	18.61
23 21 13 23-2589 EA 3/4" Tee, Chrome Plated	42.89	23.06
23 21 13 23-2590 EA 1" Tee, Chrome Plated	58.70	29.76
23 21 13 23-2591 EA 1-1/4" Tee, Chrome Plated	80.84	40.89
23 21 13 23-2592 EA 1-1/2" Tee, Chrome Plated	99.90	47.58
23 21 13 23-2593 EA 2" Tee, Chrome Plated	132.09	58.73
23 21 13 23-2594 Chrome Plated Reducing 90 Degree Elbows (23 21 13 23-2519)		
23 21 13 23-2595 EA 1/2" x 3/8" Reducing 90 Degree Elbow, Chrome Plated	33.50	18.61
23 21 13 23-2596 EA 3/4" x 1/2" Reducing 90 Degree Elbow, Chrome Plated	40.18	23.06
23 21 13 23-2597 Chrome Plated Bell Reducers (23 21 13 23-2519)		
23 21 13 23-2598 EA 1/2" x 3/8" Bell Reducer, Chrome Plated	35.31	18.61
23 21 13 23-2599 EA 3/4" x 1/2" Bell Reducer, Chrome Plated	43.30	23.06
23 21 13 23-2600 EA 1" x 1/2" Bell Reducer, Chrome Plated	55.36	29.76
23 21 13 23-2601 Chrome Plated Reducing Tees (23 21 13 23-2519)		
23 21 13 23-2602 EA 3/4" x 1/2" Reducing Tee, Chrome Plated	45.60	23.06

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 20 HVAC Piping And Pumps****23 21 Hydronic Piping And Pumps**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-2603 Chrome Plated Bushings (23 21 13 23-2519)		
23 21 13 23-2604 EA 3/8" x 1/4" Bushing, Chrome Plated.....	10.56	5.24
23 21 13 23-2605 EA 1/2" x 1/4" Bushing, Chrome Plated.....	11.34	5.57
23 21 13 23-2606 EA 1/2" x 3/8" Bushing, Chrome Plated.....	11.90	5.91
23 21 13 23-2607 EA 3/4" x 1/2" Bushing, Chrome Plated.....	15.33	7.80
23 21 13 23-2608 EA 1" x 3/4" Bushing, Chrome Plated.....	21.31	10.03
23 21 13 23-2609 EA 1-1/4" x 1" Bushing, Chrome Plated.....	30.49	13.71
23 21 13 23-2610 Aluminum Tubing Assemblies (23 21 13 23)		
Note: ASTM B210 (Tubing), ASTM B26 (Fittings). Includes all hangers and aluminum fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies.		
23 21 13 23-2611 LF 1/8" Inside Diameter Aluminum Pipe/Tubing Assembly.....	8.48	3.90
Note: Includes all hangers and aluminum fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies.		
23 21 13 23-2612 LF 3/16" Inside Diameter Aluminum Pipe/Tubing Assembly.....	9.70	4.46
Note: Includes all hangers and aluminum fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies.		
23 21 13 23-2613 LF 1/4" Inside Diameter Aluminum Pipe/Tubing Assembly.....	10.84	5.01
Note: Includes all hangers and aluminum fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies.		
23 21 13 23-2614 LF 5/16" Inside Diameter Aluminum Pipe/Tubing Assembly.....	11.98	5.57
Note: Includes all hangers and aluminum fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies.		
23 21 13 23-2615 LF 3/8" Inside Diameter Aluminum Pipe/Tubing Assembly.....	13.21	6.13
Note: Includes all hangers and aluminum fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies.		
23 21 13 23-2616 LF 1/2" Inside Diameter Aluminum Pipe/Tubing Assembly.....	14.70	6.68
Note: Includes all hangers and aluminum fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies.		
23 21 13 23-2617 LF 5/8" Inside Diameter Aluminum Pipe/Tubing Assembly.....	17.05	7.69
Note: Includes all hangers and aluminum fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies.		
23 21 13 23-2618 LF 3/4" Inside Diameter Aluminum Pipe/Tubing Assembly.....	19.98	8.72
Note: Includes all hangers and aluminum fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies.		
23 21 13 23-2619 LF 7/8" Inside Diameter Aluminum Pipe/Tubing Assembly.....	22.69	9.74
Note: Includes all hangers and aluminum fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies.		
23 21 13 23-2620 LF 1" Inside Diameter Aluminum Pipe/Tubing Assembly.....	25.30	10.25
23 21 16 Hydronic Piping Specialties (23 21)		
23 21 16 00-0001 Vent Valves (23 21 16)		
23 21 16 00-0002 EA 1/8", 1.5 PSIG Operating Pressure, Non Vacuum Adjustable Angle Radiator Steam Vent Valve (Hoffman 1A).....	56.85	16.72
23 21 16 00-0003 EA 1/2" x 3/4", 35 PSIG Operating Pressure, Straight Steam Unit Heater Air Vent Valve (Hoffman 74).....	116.88	17.98
23 21 16 00-0004 EA 1/2" x 3/4", 3 PSIG Operating Pressure, Non Vacuum Main Steam Air Vent Valve (Hoffman 75).....	112.19	17.98
23 21 16 00-0005 EA 1/2" x 3/4", 10 PSIG Operating Pressure, Non Vacuum Straight Non-Vacuum Main Steam Air Vent Valve (Hoffman 75H).....	115.47	17.98
23 21 16 00-0006 EA 3/4", 150 PSIG Operating Pressure, Straight Water Main Vent Valve (Hoffman 78).....	144.22	17.98
23 21 16 00-0007 EA 1/2" x 3/4", 75 PSIG Operating Pressure, Straight Water Main Vent Valve (Hoffman 79).....	110.89	17.98
23 21 16 00-0008 Threaded Inlet, Drip-Pan Elbow (23 21 16)		
23 21 16 00-0009 Cast Iron, Threaded Inlet, Drip-Pan Elbow (23 21 16 00-0008)		
23 21 16 00-0010 EA 2-1/2" Cast Iron, Threaded Inlet, Drip-Pan Elbow.....	185.99	27.99
For Flanged Inlet, Add	51.10	
23 21 16 00-0011 EA 3" Cast Iron, Threaded Inlet, Drip-Pan Elbow.....	214.41	33.17
For Flanged Inlet, Add	54.86	
23 21 16 00-0012 EA 3-1/2" Cast Iron, Threaded Inlet, Drip-Pan Elbow.....	263.53	38.35
For Flanged Inlet, Add	74.00	
23 21 16 00-0013 EA 4" Cast Iron, Threaded Inlet, Drip-Pan Elbow.....	367.16	43.53
For Flanged Inlet, Add	130.21	
23 21 16 00-0014 EA 5" Cast Iron, Threaded Inlet, Drip-Pan Elbow.....	418.97	51.82
For Flanged Inlet, Add	143.94	
23 21 16 00-0015 EA 6" Cast Iron, Threaded Inlet, Drip-Pan Elbow.....	568.46	65.30
For Flanged Inlet, Add	210.34	
23 21 16 00-0016 EA 8" Cast Iron, Threaded Inlet, Drip-Pan Elbow.....	1,168.61	86.03
For Flanged Inlet, Add	559.71	
23 21 16 00-0017 Cast Steel, Threaded Inlet, Drip-Pan Elbow (23 21 16 00-0008)		
23 21 16 00-0018 EA 2-1/2" Cast Steel, Threaded Inlet, Drip-Pan Elbow.....	304.08	27.99
For Flanged Inlet, Add	131.40	
23 21 16 00-0019 EA 3" Cast Steel, Threaded Inlet, Drip-Pan Elbow.....	367.88	33.17
For Flanged Inlet, Add	159.22	
23 21 16 00-0020 EA 3-1/2" Cast Steel, Threaded Inlet, Drip-Pan Elbow.....	503.64	38.35
For Flanged Inlet, Add	237.28	
23 21 16 00-0021 EA 4" Cast Steel, Threaded Inlet, Drip-Pan Elbow.....	524.62	43.53
For Flanged Inlet, Add	237.28	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 16 00-0022 EA 5" Cast Steel, Threaded Inlet, Drip-Pan Elbow	727.93	51.82
<i>For Flanged Inlet, Add</i>	354.03	
23 21 16 00-0023 EA 6" Cast Steel, Threaded Inlet, Drip-Pan Elbow	779.76	65.30
<i>For Flanged Inlet, Add</i>	354.03	
23 21 16 00-0024 EA 8" Cast Steel, Threaded Inlet, Drip-Pan Elbow	1,239.55	86.03
<i>For Flanged Inlet, Add</i>	607.95	
23 21 16 00-0025 Y-Type Strainers <small>(23 21 16)</small>		
23 21 16 00-0026 Screwed Ends, 250 LB, Iron Body, Y-Type Strainers <small>(23 21 16 00-0025)</small>		
23 21 16 00-0027 EA 1/4" Or 3/8" Screwed Ends, 250 LB, Iron Body, Y-Type Strainer.....	51.46	12.48
<i>For Galvanized Body, Add</i>	7.90	
<i>For Work In Restricted Working Space, Add</i>	10.70	
23 21 16 00-0028 EA 1/2" Screwed Ends, 250 LB, Iron Body, Y-Type Strainer.....	52.02	12.71
<i>For Galvanized Body, Add</i>	7.90	
<i>For Work In Restricted Working Space, Add</i>	10.87	
23 21 16 00-0029 EA 3/4" Screwed Ends, 250 LB, Iron Body, Y-Type Strainer.....	67.90	17.17
<i>For Galvanized Body, Add</i>	9.43	
<i>For Work In Restricted Working Space, Add</i>	14.72	
23 21 16 00-0030 EA 1" Screwed Ends, 250 LB, Iron Body, Y-Type Strainer.....	83.98	20.51
<i>For Galvanized Body, Add</i>	12.74	
<i>For Work In Restricted Working Space, Add</i>	17.55	
23 21 16 00-0031 EA 1-1/4" Screwed Ends, 250 LB, Iron Body, Y-Type Strainer.....	107.35	25.36
<i>For Galvanized Body, Add</i>	17.45	
<i>For Work In Restricted Working Space, Add</i>	21.74	
23 21 16 00-0032 EA 1-1/2" Screwed Ends, 250 LB, Iron Body, Y-Type Strainer.....	120.05	27.31
<i>For Galvanized Body, Add</i>	21.01	
<i>For Work In Restricted Working Space, Add</i>	23.41	
23 21 16 00-0033 EA 2" Screwed Ends, 250 LB, Iron Body, Y-Type Strainer.....	153.86	31.21
<i>For Galvanized Body, Add</i>	32.35	
<i>For Work In Restricted Working Space, Add</i>	26.75	
23 21 16 00-0034 EA 2-1/2" Screwed Ends, 250 LB, Iron Body, Y-Type Strainer.....	256.88	39.01
<i>For Galvanized Body, Add</i>	72.71	
<i>For Work In Restricted Working Space, Add</i>	33.44	
23 21 16 00-0035 EA 3" Screwed Ends, 250 LB, Iron Body, Y-Type Strainer.....	329.33	48.82
<i>For Galvanized Body, Add</i>	95.00	
<i>For Work In Restricted Working Space, Add</i>	41.80	
23 21 16 00-0036 Flanged, 125 LB, Iron Body, Y-Type Strainers <small>(23 21 16 00-0025)</small>		
23 21 16 00-0037 EA 1-1/2" Flanged, 125 LB, Iron Body, Y-Type Strainer.....	203.29	55.73
<i>For Galvanized Body, Add</i>	45.92	
<i>For Work In Restricted Working Space, Add</i>	33.44	
23 21 16 00-0038 EA 2" Flanged, 125 LB, Iron Body, Y-Type Strainer.....	238.71	69.66
<i>For Galvanized Body, Add</i>	49.69	
<i>For Work In Restricted Working Space, Add</i>	41.80	
23 21 16 00-0039 EA 3" Flanged, 125 LB, Iron Body, Y-Type Strainer.....	459.83	111.46
<i>For Galvanized Body, Add</i>	118.45	
<i>For Work In Restricted Working Space, Add</i>	66.88	
23 21 16 00-0040 EA 4" Flanged, 125 LB, Iron Body, Y-Type Strainer.....	547.49	139.34
<i>For Galvanized Body, Add</i>	134.42	
<i>For Work In Restricted Working Space, Add</i>	83.60	
23 21 16 00-0041 EA 5" Flanged, 125 LB, Iron Body, Y-Type Strainer.....	676.80	188.02
<i>For Galvanized Body, Add</i>	150.38	
<i>For Work In Restricted Working Space, Add</i>	112.81	
23 21 16 00-0042 EA 6" Flanged, 125 LB, Iron Body, Y-Type Strainer.....	812.25	219.04
<i>For Galvanized Body, Add</i>	186.77	
<i>For Work In Restricted Working Space, Add</i>	131.82	
23 21 16 00-0043 EA 8" Flanged, 125 LB, Iron Body, Y-Type Strainer.....	1,262.13	263.23
<i>For Galvanized Body, Add</i>	367.84	
<i>For Work In Restricted Working Space, Add</i>	157.94	
23 21 16 00-0044 EA 10" Flanged, 125 LB, Iron Body, Y-Type Strainer.....	2,297.74	329.04
<i>For Galvanized Body, Add</i>	819.84	
<i>For Work In Restricted Working Space, Add</i>	197.42	
23 21 16 00-0045 EA 12" Flanged, 125 LB, Iron Body, Y-Type Strainer.....	2,645.01	470.05
<i>For Galvanized Body, Add</i>	852.45	
<i>For Work In Restricted Working Space, Add</i>	282.03	
23 21 16 00-0046 Screwed Ends, 150 LB, Bronze Body, Y-Type Strainers <small>(23 21 16 00-0025)</small>		
Note: With screwed cap (4" size has bolted cap).		
23 21 16 00-0047 EA 1/2" Screwed Ends, 150 LB, Bronze Body, Y-Type Strainer.....	49.02	12.71
<i>For 300 LB Rating, Add</i>	21.74	
<i>For Work In Restricted Working Space, Add</i>	10.87	
23 21 16 00-0048 EA 3/4" Screwed Ends, 150 LB, Bronze Body, Y-Type Strainer.....	65.68	17.17
<i>For 300 LB Rating, Add</i>	28.27	
<i>For Work In Restricted Working Space, Add</i>	14.72	
23 21 16 00-0049 EA 1" Screwed Ends, 150 LB, Bronze Body, Y-Type Strainer.....	79.45	20.51
<i>For 300 LB Rating, Add</i>	35.60	
<i>For Work In Restricted Working Space, Add</i>	17.55	
23 21 16 00-0050 EA 1-1/4" Screwed Ends, 150 LB, Bronze Body, Y-Type Strainer.....	98.68	25.36
<i>For 300 LB Rating, Add</i>	44.57	
<i>For Work In Restricted Working Space, Add</i>	21.74	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 20 HVAC Piping And Pumps****23 21 Hydronic Piping And Pumps**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21	16 00-0051	EA	1-1/2" Screwed Ends, 150 LB, Bronze Body, Y-Type Strainer..... <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	112.08 57.89 23.41	27.31
23 21	16 00-0052	EA	2" Screwed Ends, 150 LB, Bronze Body, Y-Type Strainer..... <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	144.49 94.04 26.75	31.21
23 21	16 00-0053	EA	2-1/2" Screwed Ends, 150 LB, Bronze Body, Y-Type Strainer..... <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	202.75 155.19 33.44	39.01
23 21	16 00-0054	EA	3" Screwed Ends, 150 LB, Bronze Body, Y-Type Strainer..... <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	328.62 321.78 41.80	48.82
23 21	16 00-0055	EA	4" Screwed Ends, 150 LB, Bronze Body, Y-Type Strainer..... <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	526.43 610.69 50.16	58.51
23 21	16 00-0056		Flanged, 150 LB, Bronze Body, Y-Type Strainers <small>(23 21 16 00-0025)</small> Note: With bolted cap.		
23 21	16 00-0057	EA	2" Flanged, 150 LB, Bronze Body, Y-Type Strainer..... <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	298.23 95.33 41.80	69.66
23 21	16 00-0058	EA	2-1/2" Flanged, 150 LB, Bronze Body, Y-Type Strainer..... <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	343.57 97.13 54.51	90.84
23 21	16 00-0059	EA	3" Flanged, 150 LB, Bronze Body, Y-Type Strainer..... <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	408.30 111.22 66.88	111.46
23 21	16 00-0060	EA	4" Flanged, 150 LB, Bronze Body, Y-Type Strainer..... <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	729.08 270.25 83.60	139.34
23 21	16 00-0061	EA	6" Flanged, 150 LB, Bronze Body, Y-Type Strainer..... <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,121.48 409.66 131.62	219.04
23 21	16 00-0062	EA	8" Flanged, 150 LB, Bronze Body, Y-Type Strainer..... <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,691.65 699.11 157.94	263.23
23 21	16 00-0063	EA	10" Flanged, 150 LB, Bronze Body, Y-Type Strainer..... <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	4,840.10 2,509.22 197.42	329.04
23 21	16 00-0064		Cast Iron Body, Suction Diffusers <small>(23 21 16)</small> Note: 175 PSI, steel inlet vanes, steel orifice cylinder and 16 mesh bronze startup strainer.		
23 21	16 00-0065	EA	2" x 1-1/2" Screwed Ends, 175 LB, Cast Iron Body, Suction Diffuser..... <i>For Work In Restricted Working Space, Add</i>	378.28 21.50	43.92
23 21	16 00-0066	EA	2" x 2" Screwed Ends, 175 LB, Cast Iron Body, Suction Diffuser..... <i>For Work In Restricted Working Space, Add</i>	398.49 23.88	48.71
23 21	16 00-0067	EA	2-1/2" x 2" Screwed Ends, 175 LB, Cast Iron Body, Suction Diffuser..... <i>For Work In Restricted Working Space, Add</i>	405.58 25.09	51.17
23 21	16 00-0068	EA	2-1/2" x 2-1/2" Flanged, 175 LB, Cast Iron Body, Suction Diffuser..... <i>For Work In Restricted Working Space, Add</i>	670.41 28.19	57.52
23 21	16 00-0069	EA	3" x 1-1/2" Screwed Ends, 175 LB, Cast Iron Body, Suction Diffuser..... <i>For Work In Restricted Working Space, Add</i>	422.14 29.14	59.52
23 21	16 00-0070	EA	3" x 2" Screwed Ends, 175 LB, Cast Iron Body, Suction Diffuser..... <i>For Work In Restricted Working Space, Add</i>	474.26 29.14	59.52
23 21	16 00-0071	EA	3" x 2-1/2" Flanged, 175 LB, Cast Iron Body, Suction Diffuser..... <i>For Work In Restricted Working Space, Add</i>	706.96 32.72	66.77
23 21	16 00-0072	EA	3" x 3" Flanged, 175 LB, Cast Iron Body, Suction Diffuser..... <i>For Work In Restricted Working Space, Add</i>	714.74 34.13	69.66
23 21	16 00-0073	EA	4" x 3" Flanged, 175 LB, Cast Iron Body, Suction Diffuser..... <i>For Work In Restricted Working Space, Add</i>	875.53 50.18	102.43
23 21	16 00-0074	EA	4" x 4" Flanged, 175 LB, Cast Iron Body, Suction Diffuser..... <i>For Work In Restricted Working Space, Add</i>	1,014.64 59.72	121.83
23 21	16 00-0075	EA	6" x 4" Flanged, 175 LB, Cast Iron Body, Suction Diffuser..... <i>For Work In Restricted Working Space, Add</i>	1,260.15 85.54	174.57
23 21	16 00-0076	EA	6" x 6" Flanged, 175 LB, Cast Iron Body, Suction Diffuser..... <i>For Work In Restricted Working Space, Add</i>	1,518.36 94.01	191.88
23 21	16 00-0077	EA	8" x 6" Flanged, 175 LB, Cast Iron Body, Suction Diffuser..... <i>For Work In Restricted Working Space, Add</i>	1,654.18 100.73	205.61
23 21	16 00-0078	EA	8" x 8" Flanged, 175 LB, Cast Iron Body, Suction Diffuser..... <i>For Work In Restricted Working Space, Add</i>	2,641.90 112.81	230.24
23 21	16 00-0079	EA	10" x 8" Flanged, 175 LB, Cast Iron Body, Suction Diffuser..... <i>For Work In Restricted Working Space, Add</i>	2,977.01 126.88	258.90
23 21	16 00-0080	EA	10" x 10" Flanged, 175 LB, Cast Iron Body, Suction Diffuser..... <i>For Work In Restricted Working Space, Add</i>	3,542.30 141.02	287.77
23 21	16 00-0081		Duplex Strainers <small>(23 21 16)</small>		
23 21	16 00-0082		Iron Body, Duplex Strainers <small>(23 21 16 00-0081)</small>		
23 21	16 00-0083		Screwed Ends, 125 LB, Bronze Diverter, Iron Body, Duplex Strainers <small>(23 21 16 00-0082)</small> Note: With brass or stainless steel basket.		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 16 00-0084 EA 3/4" Screwed Ends, 125 LB, Bronze Diverter, Iron Body, Duplex Strainer <i>For Work In Restricted Working Space, Add</i>	381.70 16.66	27.75
23 21 16 00-0085 EA 1" Screwed Ends, 125 LB, Bronze Diverter, Iron Body, Duplex Strainer <i>For Work In Restricted Working Space, Add</i>	427.11 19.07	31.77
23 21 16 00-0086 EA 1-1/4" Screwed Ends, 125 LB, Bronze Diverter, Iron Body, Duplex Strainer <i>For Work In Restricted Working Space, Add</i>	572.37 22.39	37.34
23 21 16 00-0087 EA 1-1/2" Screwed Ends, 125 LB, Bronze Diverter, Iron Body, Duplex Strainer <i>For Work In Restricted Working Space, Add</i>	713.30 24.41	40.68
23 21 16 00-0088 EA 2" Screwed Ends, 125 LB, Bronze Diverter, Iron Body, Duplex Strainer <i>For Work In Restricted Working Space, Add</i>	950.58 29.86	49.60
23 21 16 00-0089 EA 2-1/2" Screwed Ends, 125 LB, Bronze Diverter, Iron Body, Duplex Strainer <i>For Work In Restricted Working Space, Add</i>	1,197.23 38.11	63.53
23 21 16 00-0090 Flanged, 125 LB, Bronze Diverter, Iron Body, Duplex Strainers (23 21 16 00-0082) Note: With brass or stainless steel basket.		
23 21 16 00-0091 EA 2" Flanged, 125 LB, Bronze Diverter, Iron Body, Duplex Strainer..... <i>For Work In Restricted Working Space, Add</i>	1,286.04 44.37	73.90
23 21 16 00-0092 EA 2-1/2" Flanged, 125 LB, Bronze Diverter, Iron Body, Duplex Strainer <i>For Work In Restricted Working Space, Add</i>	1,568.00 118.76	197.96
23 21 16 00-0093 EA 3" Flanged, 125 LB, Bronze Diverter, Iron Body, Duplex Strainer..... <i>For Work In Restricted Working Space, Add</i>	2,021.21 152.80	254.70
23 21 16 00-0094 EA 4" Flanged, 125 LB, Bronze Diverter, Iron Body, Duplex Strainer..... <i>For Work In Restricted Working Space, Add</i>	2,880.03 150.54	250.54
23 21 16 00-0095 EA 6" Flanged, 125 LB, Bronze Diverter, Iron Body, Duplex Strainer..... <i>For Work In Restricted Working Space, Add</i>	5,508.52 225.63	376.04
23 21 16 00-0096 EA 8" Flanged, 125 LB, Bronze Diverter, Iron Body, Duplex Strainer..... <i>For Work In Restricted Working Space, Add</i>	10,075.58 270.74	451.25
23 21 16 00-0097 EA 10" Flanged, 125 LB, Bronze Diverter, Iron Body, Duplex Strainer..... <i>For Work In Restricted Working Space, Add</i>	13,732.13 307.70	512.83
23 21 16 00-0098 EA 12" Flanged, 125 LB, Bronze Diverter, Iron Body, Duplex Strainer..... <i>For Work In Restricted Working Space, Add</i>	15,461.22 398.35	663.71
23 21 16 00-0099 EA 14" Flanged, 125 LB, Bronze Diverter, Iron Body, Duplex Strainer..... <i>For Work In Restricted Working Space, Add</i>	18,734.50 483.41	805.67
23 21 16 00-0100 EA 16" Flanged, 125 LB, Bronze Diverter, Iron Body, Duplex Strainer..... <i>For Work In Restricted Working Space, Add</i>	23,728.64 677.03	1,128.13
23 21 16 00-0101 Bronze Body, Duplex Strainers (23 21 16 00-0081)		
23 21 16 00-0102 Screwed Ends, 125 LB, Bronze Diverter, Bronze Body Duplex Strainers (23 21 16 00-0101) Note: With brass or stainless steel basket.		
23 21 16 00-0103 EA 3/4" Screwed Ends, 125 LB, Bronze Diverter, Bronze Body Duplex Strainer <i>For Work In Restricted Working Space, Add</i>	684.07 16.66	27.87
23 21 16 00-0104 EA 1" Screwed Ends, 125 LB, Bronze Diverter, Bronze Body Duplex Strainer <i>For Work In Restricted Working Space, Add</i>	760.06 19.07	31.77
23 21 16 00-0105 EA 1-1/4" Screwed Ends, 125 LB, Bronze Diverter, Bronze Body Duplex Strainer <i>For Work In Restricted Working Space, Add</i>	1,102.37 22.39	37.34
23 21 16 00-0106 EA 1-1/2" Screwed Ends, 125 LB, Bronze Diverter, Bronze Body Duplex Strainer <i>For Work In Restricted Working Space, Add</i>	1,440.35 24.41	40.68
23 21 16 00-0107 EA 2" Screwed Ends, 125 LB, Bronze Diverter, Bronze Body Duplex Strainer <i>For Work In Restricted Working Space, Add</i>	1,857.70 29.86	49.60
23 21 16 00-0108 EA 2-1/2" Screwed, 125 LB, Bronze Diverter, Bronze Body Duplex Strainer <i>For Work In Restricted Working Space, Add</i>	2,284.41 38.11	63.53
23 21 16 00-0109 Flanged, 125 LB, Bronze Diverter, Bronze Body, Duplex Strainers (23 21 16 00-0101) Note: With brass or stainless steel basket.		
23 21 16 00-0110 EA 2" Flanged, 125 LB, Bronze Diverter, Bronze Body, Duplex Strainer <i>For Work In Restricted Working Space, Add</i>	2,594.05 44.37	74.13
23 21 16 00-0111 EA 2-1/2" Flanged, 125 LB, Bronze Diverter, Bronze Body, Duplex Strainer <i>For Work In Restricted Working Space, Add</i>	2,909.99 118.76	197.85
23 21 16 00-0112 EA 3" Flanged, 125 LB, Bronze Diverter, Bronze Body, Duplex Strainer <i>For Work In Restricted Working Space, Add</i>	3,974.74 152.80	254.70
23 21 16 00-0113 EA 4" Flanged, 125 LB, Bronze Diverter, Bronze Body, Duplex Strainer <i>For Work In Restricted Working Space, Add</i>	5,971.70 150.54	250.54
23 21 16 00-0114 EA 6" Flanged, 125 LB, Bronze Diverter, Bronze Body, Duplex Strainer <i>For Work In Restricted Working Space, Add</i>	12,779.06 225.63	376.04
23 21 16 00-0115 Cast Steel Body, Duplex Strainers (23 21 16 00-0081)		
23 21 16 00-0116 Screwed Ends, 125 LB, Bronze Diverter, Cast Steel Body, Duplex Strainers (23 21 16 00-0115) Note: With brass or stainless steel basket.		
23 21 16 00-0117 EA 1" Screwed Ends, 125 LB, Bronze Diverter, Cast Steel Body, Duplex Strainer <i>For Work In Restricted Working Space, Add</i>	1,052.85 19.08	31.77
23 21 16 00-0118 EA 1-1/4" Screwed Ends, 125 LB, Bronze Diverter, Cast Steel Body, Duplex Strainer <i>For Work In Restricted Working Space, Add</i>	1,294.71 22.39	37.34
23 21 16 00-0119 EA 1-1/2" Screwed Ends, 125 LB, Bronze Diverter, Cast Steel Body, Duplex Strainer <i>For Work In Restricted Working Space, Add</i>	1,532.29 24.41	40.68
23 21 16 00-0120 EA 2" Screwed Ends, 125 LB, Bronze Diverter, Cast Steel Body, Duplex Strainer <i>For Work In Restricted Working Space, Add</i>	2,572.66 29.86	49.60

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 20 HVAC Piping And Pumps****23 21 Hydronic Piping And Pumps**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 16 00-0121			Flanged, 125 LB, Bronze Diverter, Cast Steel Body, Duplex Strainers <small>(23 21 16 00-0115)</small>		
			Note: With brass or stainless steel basket.		
23 21 16 00-0122	EA		2" Flanged, 125 LB, Bronze Diverter, Cast Steel Body, Duplex Strainer .....2,637.54		74.13
			<i>For Work In Restricted Working Space, Add</i> 44.37		
23 21 16 00-0123	EA		2-1/2" Flanged, 125 LB, Bronze Diverter, Cast Steel Body, Duplex Strainer .....3,132.78		197.85
			<i>For Work In Restricted Working Space, Add</i> 118.75		
23 21 16 00-0124	EA		3" Flanged, 125 LB, Bronze Diverter, Cast Steel Body, Duplex Strainer .....4,120.23		254.70
			<i>For Work In Restricted Working Space, Add</i> 152.83		
23 21 16 00-0125	EA		4" Flanged, 125 LB, Bronze Diverter, Cast Steel Body, Duplex Strainer .....5,794.11		250.54
			<i>For Work In Restricted Working Space, Add</i> 150.47		
23 21 16 00-0126	EA		6" Flanged, 125 LB, Bronze Diverter, Cast Steel Body, Duplex Strainer .....9,852.39		376.04
			<i>For Work In Restricted Working Space, Add</i> 225.37		
23 21 16 00-0127	EA		8" Flanged, 125 LB, Bronze Diverter, Cast Steel Body, Duplex Strainer .....18,774.06		451.25
			<i>For Work In Restricted Working Space, Add</i> 270.44		
23 21 16 00-0128			Stainless Steel Body, Duplex Strainers <small>(23 21 16 00-0081)</small>		
23 21 16 00-0129			Screwed Ends, 125 LB, Stainless Steel Diverter, Stainless Steel Body, Duplex Strainers <small>(23 21 16 00-0128)</small>		
			Note: With stainless steel basket.		
23 21 16 00-0130	EA		1" Screwed Ends, 125 LB, Stainless Steel Diverter, Stainless Steel Body, Duplex Strainer .....4,360.66		31.77
			<i>For Work In Restricted Working Space, Add</i> 19.08		
23 21 16 00-0131	EA		1-1/4" Screwed Ends, 125 LB, Stainless Steel Diverter, Stainless Steel Body, Duplex Strainer .....5,509.63		37.34
			<i>For Work In Restricted Working Space, Add</i> 22.39		
23 21 16 00-0132	EA		1-1/2" Screwed Ends, 125 LB, Stainless Steel Diverter, Stainless Steel Body, Duplex Strainer .....6,646.35		40.68
			<i>For Work In Restricted Working Space, Add</i> 24.41		
23 21 16 00-0133	EA		2" Screwed Ends, 125 LB, Stainless Steel Diverter, Stainless Steel Body, Duplex Strainer .....10,643.26		49.60
			<i>For Work In Restricted Working Space, Add</i> 29.86		
23 21 16 00-0134			Flanged, 125 LB, Stainless Steel Diverter, Stainless Steel Body, Duplex Strainers <small>(23 21 16 00-0128)</small>		
			Note: With stainless steel basket.		
23 21 16 00-0135	EA		2" Flanged, 125 LB, Stainless Steel Diverter, Stainless Steel Body, Duplex Strainer .....11,129.31		74.13
			<i>For Work In Restricted Working Space, Add</i> 44.37		
23 21 16 00-0136	EA		2-1/2" Flanged, 125 LB, Stainless Steel Diverter, Stainless Steel Body, Duplex Strainer .....11,934.26		197.85
			<i>For Work In Restricted Working Space, Add</i> 118.75		
23 21 16 00-0137	EA		3" Flanged, 125 LB, Stainless Steel Diverter, Stainless Steel Body, Duplex Strainer .....18,652.63		254.70
			<i>For Work In Restricted Working Space, Add</i> 152.83		
23 21 16 00-0138	EA		4" Flanged, 125 LB, Stainless Steel Diverter, Stainless Steel Body, Duplex Strainer .....22,623.53		250.54
			<i>For Work In Restricted Working Space, Add</i> 150.47		
23 21 16 00-0139	EA		6" Flanged, 125 LB, Stainless Steel Diverter, Stainless Steel Body, Duplex Strainer .....39,743.15		376.04
			<i>For Work In Restricted Working Space, Add</i> 225.37		
23 21 16 00-0140	EA		8" Flanged, 125 LB, Stainless Steel Diverter, Stainless Steel Body, Duplex Strainer .....73,155.91		451.25
			<i>For Work In Restricted Working Space, Add</i> 270.44		
23 21 16 00-0141			Pressure Regulating Valve <small>(23 21 16)</small>		
23 21 16 00-0142			Screwed Ends, Water Pressure Reducing Valves <small>(23 21 16 00-0141)</small>		
			Note: For building services, 25 - 75 PSI, up to 300 Lbs. rating, iron construction.		
23 21 16 00-0143	EA		1/2" Screwed Ends, Iron Construction, Water Pressure Reducing Valve .....117.34		13.93
			<i>For Work In Restricted Working Space, Add</i> 16.71		
23 21 16 00-0144	EA		3/4" Screwed Ends, Iron Construction, Water Pressure Reducing Valve .....140.45		15.60
			<i>For Work In Restricted Working Space, Add</i> 18.57		
23 21 16 00-0145	EA		1" Screwed Ends, Iron Construction, Water Pressure Reducing Valve .....175.07		16.71
			<i>For Work In Restricted Working Space, Add</i> 19.67		
23 21 16 00-0146	EA		1-1/4" Screwed Ends, Iron Construction, Water Pressure Reducing Valve .....276.73		18.72
			<i>For Work In Restricted Working Space, Add</i> 22.29		
23 21 16 00-0147	EA		1-1/2" Screwed Ends, Iron Construction, Water Pressure Reducing Valve .....368.41		22.29
			<i>For Work In Restricted Working Space, Add</i> 26.75		
23 21 16 00-0148	EA		2" Screwed Ends, Iron Construction, Water Pressure Reducing Valve .....533.46		34.15
			<i>For Work In Restricted Working Space, Add</i> 41.03		
23 21 16 00-0149	EA		2-1/2" Screwed Ends, Iron Construction, Water Pressure Reducing Valve .....583.43		38.46
			<i>For Work In Restricted Working Space, Add</i> 46.16		
23 21 16 00-0150	EA		3" Screwed Ends, Iron Construction, Water Pressure Reducing Valve .....642.23		111.28
			<i>For Work In Restricted Working Space, Add</i> 51.28		
23 21 16 00-0151			Cast Iron Body, Steam Pressure Regulator And Reducer <small>(23 21 16 00-0141)</small>		
			Note: Single seated, spring loaded, direct acting diaphragm valve.		
23 21 16 00-0152			Screwed Ends, Cast Iron Body, Steam Pressure Regulator And Reducer <small>(23 21 16 00-0151)</small>		
23 21 16 00-0153	EA		1/2" Screwed Ends, Cast Iron Body, Steam Pressure Regulator Valve And Reducer .....185.81		18.73
			<i>For Work In Restricted Working Space, Add</i> 22.44		
23 21 16 00-0154	EA		3/4" Screwed Ends, Cast Iron Body, Steam Pressure Regulator Valve And Reducer .....240.43		26.53
			<i>For Work In Restricted Working Space, Add</i> 31.85		
23 21 16 00-0155	EA		1" Screwed Ends, Cast Iron Body, Steam Pressure Regulator Valve And Reducer .....304.81		32.33
			<i>For Work In Restricted Working Space, Add</i> 38.89		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 16 00-0156 EA 1-1/4" Screwed Ends, Cast Iron Body, Steam Pressure Regulator Valve And Reducer..... <i>For Work In Restricted Working Space, Add</i>	393.64 45.19	39.23
23 21 16 00-0157 EA 1-1/2" Screwed Ends, Cast Iron Body, Steam Pressure Regulator Valve And Reducer..... <i>For Work In Restricted Working Space, Add</i>	509.33 51.44	44.58
23 21 16 00-0158 EA 2" Screwed Ends, Cast Iron Body, Steam Pressure Regulator Valve And Reducer..... <i>For Work In Restricted Working Space, Add</i>	599.59 62.19	62.19
23 21 16 00-0159 Flanged, Cast Iron Body, Steam Pressure Regulator And Reducer (23 21 16 00-0151) Note: Single seated, spring loaded, direct acting diaphragm valve.		
23 21 16 00-0160 EA 2-1/2" Flanged, Cast Iron Body, Steam Pressure Regulator Valve And Reducer..... <i>For Work In Restricted Working Space, Add</i>	1,260.86 74.04	72.97
23 21 16 00-0161 EA 3" Flanged, Cast Iron Body, Steam Pressure Regulator Valve And Reducer..... <i>For Work In Restricted Working Space, Add</i>	1,546.30 84.04	82.92
23 21 16 00-0162 EA 4" Flanged, Cast Iron Body, Steam Pressure Regulator Valve And Reducer..... <i>For Work In Restricted Working Space, Add</i>	2,127.36 159.46	153.82
23 21 16 00-0163 EA 6" Flanged, Cast Iron Body, Steam Pressure Regulator Valve And Reducer..... <i>For Work In Restricted Working Space, Add</i>	4,767.03 183.25	175.93
23 21 16 00-0164 Cast Iron Body, Externally Piloted, Steam Pressure Regulating And Reducing Valves (23 21 16 00-0141)		
23 21 16 00-0165 Screwed Ends, Cast Iron Body, Externally Piloted, Steam Pressure Regulating And Reducing Valves (23 21 16 00-0164)		
23 21 16 00-0166 EA 1/2" Screwed Ends, Cast Iron Body, Externally Piloted, Steam Pressure Regulating And Reducing Valve..... <i>For Work In Restricted Working Space, Add</i>	828.97 20.40	13.60
23 21 16 00-0167 EA 3/4" Screwed Ends, Cast Iron Body, Externally Piloted, Steam Pressure Regulating And Reducing Valve..... <i>For Work In Restricted Working Space, Add</i>	845.48 20.40	13.60
23 21 16 00-0168 EA 1" Screwed Ends, Cast Iron Body, Externally Piloted, Steam Pressure Regulating And Reducing Valve..... <i>For Work In Restricted Working Space, Add</i>	909.16 25.75	17.17
23 21 16 00-0169 EA 1-1/4" Screwed Ends, Cast Iron Body, Externally Piloted, Steam Pressure Regulating And Reducing Valve..... <i>For Work In Restricted Working Space, Add</i>	1,073.76 32.77	21.84
23 21 16 00-0170 EA 1-1/2" Screwed Ends, Cast Iron Body, Externally Piloted, Steam Pressure Regulating And Reducing Valve..... <i>For Work In Restricted Working Space, Add</i>	1,229.84 37.79	25.19
23 21 16 00-0171 EA 2" Screwed Ends, Cast Iron Body, Externally Piloted, Steam Pressure Regulating And Reducing Valve..... <i>For Work In Restricted Working Space, Add</i>	1,519.85 44.48	29.65
23 21 16 00-0172 Flanged, Cast Iron Body, Externally Piloted, Steam Pressure Regulating And Reducing Valves (23 21 16 00-0164)		
23 21 16 00-0173 EA 2-1/2" Flanged, Cast Iron Body, Externally Piloted, Steam Pressure Regulating And Reducing Valve..... <i>For Work In Restricted Working Space, Add</i>	1,940.23 74.32	49.55
23 21 16 00-0174 EA 3" Flanged, Cast Iron Body, Externally Piloted, Steam Pressure Regulating And Reducing Valve..... <i>For Work In Restricted Working Space, Add</i>	2,361.76 80.85	53.90
23 21 16 00-0175 EA 4" Flanged, Cast Iron Body, Externally Piloted, Steam Pressure Regulating And Reducing Valve..... <i>For Work In Restricted Working Space, Add</i>	3,750.80 178.50	118.99
23 21 16 00-0176 EA 6" Flanged, Cast Iron Body, Externally Piloted, Steam Pressure Regulating And Reducing Valve..... <i>For Work In Restricted Working Space, Add</i>	7,690.73 183.25	175.93
23 21 16 00-0177 Screwed Ends, Cast Iron Body, Air Pressure Reducing Valves (23 21 16 00-0141)		
23 21 16 00-0178 EA 1/2" Screwed Ends, Cast Iron Body, Air Pressure Reducing Valve.....	127.48	14.49
23 21 16 00-0179 EA 3/4" Screwed Ends, Cast Iron Body, Air Pressure Reducing Valve.....	153.37	16.05
23 21 16 00-0180 EA 1" Screwed Ends, Cast Iron Body, Air Pressure Reducing Valve.....	193.08	17.05
23 21 16 00-0181 EA 1-1/4" Screwed Ends, Cast Iron Body, Air Pressure Reducing Valve.....	310.02	19.39
23 21 16 00-0182 EA 1-1/2" Screwed Ends, Cast Iron Body, Air Pressure Reducing Valve.....	414.30	23.17
23 21 16 00-0183 EA 2" Screwed Ends, Cast Iron Body, Air Pressure Reducing Valve.....	598.68	35.49
23 21 16 00-0184 EA 2-1/2" Screwed Ends, Cast Iron Body, Air Pressure Reducing Valve.....	648.94	38.66
23 21 16 00-0185 EA 3" Screwed Ends, Cast Iron Body, Air Pressure Reducing Valve.....	719.73	44.51
23 21 16 00-0186 Screwed Ends, Bronze Body, Water Pressure Reducing Valves (23 21 16 00-0141) Note: For building services, bronze construction, pressure adjustment, union and strainer, factory set at 45 PSI (Watts 25AUB).		
23 21 16 00-0187 EA 1/2" Screwed Ends, Bronze Body, Water Pressure Reducing Valve.....	112.31	13.93
23 21 16 00-0188 EA 3/4" Screwed Ends, Bronze Body, Water Pressure Reducing Valve.....	123.81	15.60
23 21 16 00-0189 EA 1" Screwed Ends, Bronze Body, Water Pressure Reducing Valve.....	147.38	17.27
23 21 16 00-0190 EA 1-1/4" Screwed Ends, Bronze Body, Water Pressure Reducing Valve.....	303.14	18.72
23 21 16 00-0191 EA 1-1/2" Screwed Ends, Bronze Body, Water Pressure Reducing Valve.....	333.48	22.29
23 21 16 00-0192 EA 2" Screwed Ends, Bronze Body, Water Pressure Reducing Valve.....	522.09	34.15
23 21 16 00-0193 Dual Unit Reducing And Relief Valve (23 21 16)		
23 21 16 00-0194 EA 1/2" Dual Unit Reducing And Relief Valve.....	129.69	34.00
23 21 16 00-0195 Safety Relief Valve (23 21 16) Note: Used in water heater and hot water storage tank applications.		
23 21 16 00-0196 Threaded Inlet, Bronze Body Safety Valves (23 21 16 00-0195) Note: Variable set points to 150 psig pressure, 210 Degree F temperature range.		

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 20 HVAC Piping And Pumps****23 21 Hydronic Piping And Pumps**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21	16 00-0197	EA	1/2" x 1/2" Threaded Inlet, Bronze Body Safety Valve.....	65.51	13.93
23 21	16 00-0198	EA	3/4" x 3/4" Threaded Inlet, Bronze Body Safety Valve.....	81.92	15.33
23 21	16 00-0199	EA	1" x 1" Threaded Inlet, Bronze Body Safety Valve.....	110.61	18.66
23 21	16 00-0200	EA	1-1/4" x 1-1/4" Threaded Inlet, Bronze Body Safety Valve.....	133.34	19.78
23 21	16 00-0201	EA	1-1/2" x 1-1/2" Threaded Inlet, Bronze Body Safety Valve.....	181.89	26.47
23 21	16 00-0202	EA	2" x 2" Threaded Inlet, Bronze Body Safety Valve.....	234.42	31.20
23 21	16 00-0203	EA	2-1/2" x 2-1/2" Threaded Inlet, Bronze Body Safety Valve.....	273.88	39.00
23 21	16 00-0204		Threaded, Bronze Body, Temperature And Pressure Relief Valves (23 21 16)		
23 21	16 00-0205	EA	1/2" x 1/2" Threaded, Bronze Body, Temperature And Pressure Relief Valve.....	64.56	28.42
			<i>For Cast Iron Body, Add</i>	22.66	
23 21	16 00-0206	EA	3/4" x 3/4" Threaded, Bronze Body, Temperature And Pressure Relief Valve.....	80.97	34.10
			<i>For Cast Iron Body, Add</i>	31.58	
23 21	16 00-0207	EA	1" x 1" Threaded, Bronze Body, Temperature And Pressure Relief Valve.....	114.52	45.46
			<i>For Cast Iron Body, Add</i>	50.29	
23 21	16 00-0208	EA	1-1/4" x 1-1/4" Threaded, Bronze Body, Temperature And Pressure Relief Valve.....	165.09	48.70
			<i>For Cast Iron Body, Add</i>	106.88	
23 21	16 00-0209	EA	1-1/2" x 1-1/2" Threaded, Bronze Body, Temperature And Pressure Relief Valve.....	252.69	54.60
			<i>For Cast Iron Body, Add</i>	204.46	
23 21	16 00-0210	EA	2" x 2" Threaded, Bronze Body, Temperature And Pressure Relief Valve.....	306.32	78.46
			<i>For Cast Iron Body, Add</i>	222.64	
23 21	16 00-0211		Horizontal Steel Expansion Tanks (23 21 16)		
			Note: ASME Code Stamp. 150 PSI with glass gauge and cocks.		
23 21	16 00-0212	EA	10 Gallon Horizontal Steel Expansion Tank.....	488.39	111.46
23 21	16 00-0213	EA	15 Gallon Horizontal Steel Expansion Tank.....	676.86	139.34
23 21	16 00-0214	EA	30 Gallon Horizontal Steel Expansion Tank.....	875.29	167.20
23 21	16 00-0215	EA	40 Gallon Horizontal Steel Expansion Tank.....	1,009.55	195.07
23 21	16 00-0216	EA	60 Gallon Horizontal Steel Expansion Tank.....	1,121.82	188.02
23 21	16 00-0217		Horizontal Diaphragm Type (Bladder) Steel Expansion Tanks (23 21 16)		
			Note: ASME. Precharged with working pressure 125 psi. Armstrong AX Series.		
23 21	16 00-0218	EA	7.8 Gallon Horizontal Diaphragm Type (Bladder) Steel Expansion Tank.....	1,347.20	83.60
23 21	16 00-0219	EA	10.9 Gallon Horizontal Diaphragm Type (Bladder) Steel Expansion Tank.....	1,409.36	97.53
23 21	16 00-0220	EA	21.7 Gallon Horizontal Diaphragm Type (Bladder) Steel Expansion Tank.....	2,092.78	111.46
23 21	16 00-0221	EA	33.6 Gallon Horizontal Diaphragm Type (Bladder) Steel Expansion Tank.....	2,181.16	125.40
23 21	16 00-0222	EA	44.4 Gallon Horizontal Diaphragm Type (Bladder) Steel Expansion Tank.....	2,949.30	139.34
23 21	16 00-0223	EA	55.7 Gallon Horizontal Diaphragm Type (Bladder) Steel Expansion Tank.....	3,112.32	153.27
23 21	16 00-0224	EA	68.0 Gallon Horizontal Diaphragm Type (Bladder) Steel Expansion Tank.....	3,696.90	167.20
23 21	16 00-0225	EA	77.0 Gallon Horizontal Diaphragm Type (Bladder) Steel Expansion Tank.....	3,956.74	181.13
23 21	16 00-0226	EA	90.0 Gallon Horizontal Diaphragm Type (Bladder) Steel Expansion Tank.....	4,359.78	195.07
23 21	16 00-0227	EA	110.0 Gallon Horizontal Diaphragm Type (Bladder) Steel Expansion Tank.....	4,488.13	222.93
23 21	16 00-0228	EA	132.0 Gallon Horizontal Diaphragm Type (Bladder) Steel Expansion Tank.....	5,623.01	250.80
23 21	16 00-0229	EA	158.0 Gallon Horizontal Diaphragm Type (Bladder) Steel Expansion Tank.....	6,445.23	278.66
23 21	16 00-0230	EA	211.0 Gallon Horizontal Diaphragm Type (Bladder) Steel Expansion Tank.....	7,484.57	334.39
23 21	16 00-0231		Vertical Diaphragm Type (Bladder) Steel Expansion Tanks (23 21 16)		
			Note: ASME. Precharged with working pressure 125 psi (Armstrong AX)		
23 21	16 00-0232	EA	8.0 Gallon Vertical Diaphragm Type (Bladder) Steel Expansion Tank.....	1,532.78	83.60
23 21	16 00-0233	EA	11.0 Gallon Vertical Diaphragm Type (Bladder) Steel Expansion Tank.....	1,584.85	97.53
23 21	16 00-0234	EA	22.0 Gallon Vertical Diaphragm Type (Bladder) Steel Expansion Tank.....	2,262.22	111.46
23 21	16 00-0235	EA	34.0 Gallon Vertical Diaphragm Type (Bladder) Steel Expansion Tank.....	2,417.17	125.40
23 21	16 00-0236	EA	44.0 Gallon Vertical Diaphragm Type (Bladder) Steel Expansion Tank.....	3,068.31	139.34
23 21	16 00-0237	EA	56.0 Gallon Vertical Diaphragm Type (Bladder) Steel Expansion Tank.....	3,229.31	153.27
23 21	16 00-0238	EA	67.0 Gallon Vertical Diaphragm Type (Bladder) Steel Expansion Tank.....	3,932.90	167.20
23 21	16 00-0239	EA	77.0 Gallon Vertical Diaphragm Type (Bladder) Steel Expansion Tank.....	4,251.24	181.13
23 21	16 00-0240	EA	91.0 Gallon Vertical Diaphragm Type (Bladder) Steel Expansion Tank.....	4,700.67	195.07
23 21	16 00-0241	EA	111.0 Gallon Vertical Diaphragm Type (Bladder) Steel Expansion Tank.....	4,822.97	222.93
23 21	16 00-0242	EA	132.0 Gallon Vertical Diaphragm Type (Bladder) Steel Expansion Tank.....	5,927.59	250.80
23 21	16 00-0243	EA	158.0 Gallon Vertical Diaphragm Type (Bladder) Steel Expansion Tank.....	6,874.88	278.66
23 21	16 00-0244	EA	211.0 Gallon Vertical Diaphragm Type (Bladder) Steel Expansion Tank.....	7,922.28	334.39
23 21	16 00-0245		Diaphragm Type (Residential Style) Steel Expansion Tanks (23 21 16)		
23 21	16 00-0246	EA	2.1 Gallon Diaphragm Type (Residential Style) Steel Expansion Tank (Watts DET-5-M1).....	61.59	10.25
23 21	16 00-0247	EA	4.5 Gallon Diaphragm Type (Residential Style) Steel Expansion Tank (Watts DET-12-M1).....	84.23	10.25
23 21	16 00-0248		Vertical Diaphragm Type (Bladder) Fiberglass Reinforced Polyester (FRP) Expansion Tanks (23 21 16)		
23 21	16 00-0249	EA	15 Gallon Vertical Diaphragm Type (Bladder) Fiberglass Reinforced Polyester (FRP) Expansion Tank.....	964.96	334.51
23 21	16 00-0250	EA	20 Gallon Vertical Diaphragm Type (Bladder) Fiberglass Reinforced Polyester (FRP) Expansion Tank.....	995.07	334.51
23 21	16 00-0251	EA	30 Gallon Vertical Diaphragm Type (Bladder) Fiberglass Reinforced Polyester (FRP) Expansion Tank.....	1,025.18	334.51
23 21	16 00-0252	EA	40 Gallon Vertical Diaphragm Type (Bladder) Fiberglass Reinforced Polyester (FRP) Expansion Tank.....	1,103.45	334.51
23 21	16 00-0253	EA	47 Gallon Vertical Diaphragm Type (Bladder) Fiberglass Reinforced Polyester (FRP) Expansion Tank.....	1,353.07	445.75
23 21	16 00-0254	EA	60 Gallon Vertical Diaphragm Type (Bladder) Fiberglass Reinforced Polyester (FRP) Expansion Tank.....	1,533.53	445.97
23 21	16 00-0255	EA	80 Gallon Vertical Diaphragm Type (Bladder) Fiberglass Reinforced Polyester (FRP) Expansion Tank.....	1,569.29	445.97



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21	16 00-0256	EA	87 Gallon Vertical Diaphragm Type (Bladder) Fiberglass Reinforced Polyester (FRP) Expansion Tank.....	1,605.06	445.97
23 21	16 00-0257	EA	120 Gallon Vertical Diaphragm Type (Bladder) Fiberglass Reinforced Polyester (FRP) Expansion Tank.....	2,034.68	557.32
23 21	16 00-0258	EA	187 Gallon Vertical Diaphragm Type (Bladder) Fiberglass Reinforced Polyester (FRP) Expansion Tank.....	5,066.75	557.32
23 21	16 00-0259	EA	264 Gallon Vertical Diaphragm Type (Bladder) Fiberglass Reinforced Polyester (FRP) Expansion Tank.....	6,414.09	668.57
23 21 16 00-0260 ASME Construction Compression Tanks <small>(23 21 16)</small>					
Note: With gauge glass taps, 125 PSI, 240 degree F tanks below are sized by capacity and diameter and height. See CSI section 22 12 00 00-0000 for other tanks.					
23 21	16 00-0261	EA	15 Gallon, 13" x 34-1/2" ASME Construction Compression Tank.....	679.71	196.18
For Galvanized Steel Tanks, Add				191.24	
23 21	16 00-0262	EA	24 Gallon, 13" x 51" ASME Construction Compression Tank.....	694.63	201.75
For Galvanized Steel Tanks, Add				194.05	
23 21	16 00-0263	EA	30 Gallon, 13" x 61-1/2" ASME Construction Compression Tank.....	749.66	208.44
For Galvanized Steel Tanks, Add				216.55	
23 21	16 00-0264	EA	40 Gallon, 16-1/4" x 53" ASME Construction Compression Tank.....	812.53	216.25
For Galvanized Steel Tanks, Add				241.86	
23 21	16 00-0265	EA	60 Gallon, 16-1/4" x 76-1/2" ASME Construction Compression Tank.....	930.49	228.50
For Galvanized Steel Tanks, Add				292.48	
23 21	16 00-0266	EA	80 Gallon, 20-1/4" x 68" ASME Construction Compression Tank.....	967.01	237.42
For Galvanized Steel Tanks, Add				303.73	
23 21	16 00-0267	EA	100 Gallon, 20-1/4" x 82" ASME Construction Compression Tank.....	1,172.93	258.60
For Galvanized Steel Tanks, Add				390.91	
23 21	16 00-0268	EA	120 Gallon, 24-1/4" x 71-1/2" ASME Construction Compression Tank.....	1,275.55	277.55
For Galvanized Steel Tanks, Add				427.47	
23 21	16 00-0269	EA	144 Gallon, 24-1/4" x 83-1/2" ASME Construction Compression Tank.....	1,564.99	313.22
For Galvanized Steel Tanks, Add				545.34	
23 21	16 00-0270	EA	180 Gallon, 30" x 60" ASME Construction Compression Tank.....	1,961.12	358.92
For Galvanized Steel Tanks, Add				708.70	
23 21	16 00-0271	EA	202 Gallon, 30" x 72" ASME Construction Compression Tank.....	2,327.15	397.93
For Galvanized Steel Tanks, Add				862.32	
23 21	16 00-0272	EA	230 Gallon, 30" x 84" ASME Construction Compression Tank.....	2,543.42	432.48
For Galvanized Steel Tanks, Add				943.87	
23 21	16 00-0273	EA	280 Gallon, 30" x 96" ASME Construction Compression Tank.....	3,163.71	474.84
For Galvanized Steel Tanks, Add				1,222.29	
23 21	16 00-0274	EA	306 Gallon, 30" x 108" ASME Construction Compression Tank.....	3,276.15	507.17
For Galvanized Steel Tanks, Add				1,253.72	
23 21	16 00-0275	EA	340 Gallon, 36" x 84" ASME Construction Compression Tank.....	4,147.30	545.07
For Galvanized Steel Tanks, Add				1,660.82	
23 21	16 00-0276	EA	550 Gallon, 36" x 96" ASME Construction Compression Tank.....	6,724.18	639.81
For Galvanized Steel Tanks, Add				2,877.46	
23 21 16 00-0277 Compression Tank Air Fittings <small>(23 21 16)</small>					
23 21	16 00-0278	EA	9" To 24" Diameter Compression Tank Air Fittings.....	111.63	31.21
23 21	16 00-0279	EA	>100 Gallon Compression Tank Air Fittings	302.38	36.78
23 21 16 00-0280 Thermostatic Radiator Valves <small>(23 21 16)</small>					
Note: For hot water or two pipe low pressure steam.					
23 21	16 00-0281	EA	1/2" Straight Thermostatic Radiator Valve (Danfoss 013G8015).....	55.91	17.98
23 21	16 00-0282	EA	3/4" Straight Thermostatic Radiator Valve (Danfoss 013G8020).....	69.24	24.24
23 21	16 00-0283	EA	1" Straight Thermostatic Radiator Valve (Danfoss 013G8025).....	91.08	29.33
23 21	16 00-0284	EA	1-1/4" Straight Thermostatic Radiator Valve (Danfoss 013G8032).....	130.01	37.16
23 21	16 00-0285	EA	1/2" Angle Thermostatic Radiator Valve (Danfoss 013G8014).....	55.91	17.98
23 21	16 00-0286	EA	3/4" Angle Thermostatic Radiator Valve (Danfoss 013G8019).....	69.24	24.24
23 21	16 00-0287	EA	1" Angle Thermostatic Radiator Valve (Danfoss 013G8024).....	91.08	29.33
23 21	16 00-0288	EA	1-1/4" Angle Thermostatic Radiator Valve (Danfoss 013G8031).....	130.01	37.16
23 21	16 00-0289	EA	Tamper Resistant Valve Mounted Dial And Sensor Thermostatic Operator (Danfoss 013G8240).....	64.23	13.93
23 21	16 00-0290	EA	Tamper Resistant Valve Mounted Dial With Remote Sensor Thermostatic Operator (Danfoss 013G2922).....	94.08	19.50
23 21 16 00-0291 Radiator Trap Repair Kits <small>(23 21 16)</small>					
Note: For hot water or two pipe low pressure steam.					
23 21	16 00-0292	EA	1/2" Trap (Spirax-Sarco TH-125), Straight, Radiator Trap Repair Kit (Spirax-Sarco SH1031).....	88.97	
23 21	16 00-0293	EA	3/4" Trap (Spirax-Sarco TH-125), Straight, Radiator Trap Repair Kit (Spirax-Sarco SH1032).....	110.53	
23 21	16 00-0294	EA	1/2" Trap (Spirax-Sarco TH-125), Angle, Radiator Trap Repair Kit (Spirax-Sarco SH1026).....	109.32	
23 21	16 00-0295	EA	3/4" Trap (Spirax-Sarco TH-125), Angle, Radiator Trap Repair Kit (Spirax-Sarco SH1027).....	125.08	
23 21	16 00-0296	EA	1" Trap (Spirax-Sarco TH-125), Angle, Radiator Trap Repair Kit (Spirax-Sarco SH1028).....	277.55	
23 21 16 00-0297 Vortex Air Separators With Strainer <small>(23 21 16)</small>					
Note: Separators are priced by capacity in gallons per minute and by boiler connection sizes and types.					
23 21	16 00-0298	EA	2" Threaded, 56 GPM, 125 PSI, With Strainer, Vortex Air Separator (Rolairtrol R-2N).....	1,021.93	237.42
For 300 PSIG, Add				99.36	
23 21	16 00-0299	EA	2-1/2" Threaded, 90 GPM, 125 PSI, With Strainer, Vortex Air Separator (Rolairtrol R-2-1/2N).....	1,251.56	271.98
For 300 PSIG, Add				125.81	
23 21	16 00-0300	EA	3" Threaded, 190 GPM, 125 PSI, With Strainer, Vortex Air Separator (Rolairtrol R-3N).....	1,864.23	319.91
For 300 PSIG, Add				206.94	
23 21	16 00-0301	EA	3" Flanged, 190 GPM, 125 PSI, With Strainer, Vortex Air Separator (Rolairtrol R-3F).....	1,990.59	338.59
For 300 PSIG, Add				221.64	
23 21	16 00-0302	EA	4" Flanged, 300 GPM, 125 PSI, With Strainer, Vortex Air Separator (Rolairtrol R-4F).....	2,577.05	451.46
For 300 PSIG, Add				283.95	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 20 HVAC Piping And Pumps****23 21 Hydronic Piping And Pumps**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 16 00-0303 EA 5" Flanged, 500 GPM, 125 PSI, With Strainer, Vortex Air Separator (Rolairtrol R-5F)	3,192.42	511.41
For 300 PSIG, Add	362.73	
23 21 16 00-0304 EA 6" Flanged, 700 GPM, 125 PSI, With Strainer, Vortex Air Separator (Rolairtrol R-6F)	3,773.81	579.10
For 300 PSIG, Add	434.46	
23 21 16 00-0305 EA 8" Flanged, 1,300 GPM, 125 PSI, With Strainer, Vortex Air Separator (Rolairtrol R-8F)	5,356.33	694.73
For 300 PSIG, Add	645.51	
23 21 16 00-0306 EA 10" Flanged, 2,000 GPM, 125 PSI, With Strainer, Vortex Air Separator (Rolairtrol R-10F)	8,102.33	789.69
For 300 PSIG, Add	1,035.88	
23 21 16 00-0307 EA 12" Flanged, 2,750 GPM, 125 PSI, With Strainer, Vortex Air Separator (Rolairtrol R-12F)	10,907.26	1,021.89
For 300 PSIG, Add	1,403.83	
23 21 16 00-0308 EA 14" Flanged, 3400 GPM With Strainer, Vortex Air Separator (Rolairtrol R-14F)	22,270.33	1,240.94
For 300 PSIG, Add	3,058.52	
23 21 16 00-0309 EA 16" Flanged, 4400 GPM With Strainer, Vortex Air Separator (Rolairtrol R-16F)	27,471.76	1,489.12
For 300 PSIG, Add	3,782.33	
23 21 16 00-0310 EA 18" Flanged, 5200 GPM With Strainer, Vortex Air Separator (Rolairtrol R-18F)	35,739.05	1,737.31
For 300 PSIG, Add	4,966.01	
23 21 16 00-0311 EA 20" Flanged, 6300 GPM With Strainer, Vortex Air Separator (Rolairtrol R-20F)	41,792.00	1,985.50
For 300 PSIG, Add	5,817.55	
23 21 16 00-0312 Vortex Air Separators (2321 16)		
Note: Without system strainer.		
23 21 16 00-0313 EA 2" Threaded, 56 GPM, 125 PSI, Vortex Air Separator (Rolairtrol RL-2N)	892.59	237.42
For 300 PSIG, Add	79.95	
23 21 16 00-0314 EA 2-1/2" Threaded, 90 GPM, 125 PSI, Vortex Air Separator (Rolairtrol RL-2-1/2N)	1,110.47	271.98
For 300 PSIG, Add	104.65	
23 21 16 00-0315 EA 3" Threaded, 190 GPM, 125 PSI, Vortex Air Separator (Rolairtrol RL-3N)	1,828.96	319.91
For 300 PSIG, Add	201.65	
23 21 16 00-0316 EA 3" Flanged, 190 GPM, 125 PSI, Vortex Air Separator (Rolairtrol RL-3F)	1,680.97	338.59
For 300 PSIG, Add	175.19	
23 21 16 00-0317 EA 4" Flanged, 300 GPM, 125 PSI, Vortex Air Separator (Rolairtrol RL-4F)	2,251.75	451.46
For 300 PSIG, Add	235.16	
23 21 16 00-0318 EA 5" Flanged, 530 GPM, 125 PSI, Vortex Air Separator (Rolairtrol RL-5F)	2,851.44	511.41
For 300 PSIG, Add	311.59	
23 21 16 00-0319 EA 6" Flanged, 850 GPM, 125 PSI, Vortex Air Separator (Rolairtrol RL-6F)	3,311.33	579.10
For 300 PSIG, Add	365.09	
23 21 16 00-0320 EA 8" Flanged, 1,900 GPM Vortex Air Separator (Rolairtrol RL-8F)	8,672.08	694.73
For 300 PSIG, Add	1,142.87	
23 21 16 00-0321 EA 10" Flanged, 3,600 GPM Vortex Air Separator (Rolairtrol RL-10F)	5,989.82	789.69
For 300 PSIG, Add	719.00	
23 21 16 00-0322 EA 12" Flanged, 4,800 GPM Vortex Air Separator (Rolairtrol RL-12F)	9,132.29	1,021.89
For 300 PSIG, Add	1,137.58	
23 21 16 00-0323 Grooved, With Strainer, Vortex Air Separators (2321 16)		
23 21 16 00-0324 EA 3" Grooved, 190 GPM, With Strainer, Vortex Air Separator (Rolairtrol R-3G)	1,731.22	270.87
23 21 16 00-0325 EA 4" Grooved, 300 GPM, With Strainer, Vortex Air Separator (Rolairtrol R-4G)	2,439.91	360.93
23 21 16 00-0326 EA 5" Grooved, 500 GPM, With Strainer, Vortex Air Separator (Rolairtrol R-5G)	3,037.56	408.76
23 21 16 00-0327 EA 6" Grooved, 700 GPM, With Strainer, Vortex Air Separator (Rolairtrol R-6G)	3,598.26	463.28
23 21 16 00-0328 EA 8" Grooved, 1,300 GPM, With Strainer, Vortex Air Separator (Rolairtrol R-8G)	5,137.90	555.94
23 21 16 00-0329 EA 10" Grooved, 2,000 GPM, With Strainer, Vortex Air Separator (Rolairtrol R-10G)	8,168.73	631.75
23 21 16 00-0330 EA 12" Grooved, 2,750 GPM, With Strainer, Vortex Air Separator (Rolairtrol R-12G)	12,363.59	817.61
23 21 16 00-0331 Grooved Vortex Air Separators (2321 16)		
Note: Without system strainer.		
23 21 16 00-0332 EA 3" Grooved, 190 GPM Vortex Air Separator (Rolairtrol RL-3G)	1,409.84	270.87
23 21 16 00-0333 EA 4" Grooved, 300 GPM Vortex Air Separator (Rolairtrol RL-4G)	2,114.61	360.93
23 21 16 00-0334 EA 5" Grooved, 530 GPM Vortex Air Separator (Rolairtrol RL-5G)	2,696.58	408.76
23 21 16 00-0335 EA 6" Grooved, 850 GPM Vortex Air Separator (Rolairtrol RL-6G)	3,135.78	463.28
23 21 16 00-0336 EA 8" Grooved, 1,900 GPM Vortex Air Separator (Rolairtrol RL-8G)	4,158.07	555.94
23 21 16 00-0337 EA 10" Grooved, 3,600 GPM Vortex Air Separator (Rolairtrol RL-10G)	6,024.86	631.75
23 21 16 00-0338 EA 12" Grooved, 4,800 GPM Vortex Air Separator (Rolairtrol RL-12G)	9,891.22	817.61
23 21 16 00-0339 Removable Head, Air Eliminator And Dirt Separator (2321 16)		
Note: Spirovent VDN.		
23 21 16 00-0340 EA 2", 45 GPM, Removable Head, Air Eliminator And Dirt Separator (Spirotherm VDN)	2,721.14	237.42
23 21 16 00-0341 EA 2-1/2", 70 GPM, Removable Head, Air Eliminator And Dirt Separator (Spirotherm VDN)	2,953.52	271.98
23 21 16 00-0342 EA 3", 95 GPM, Removable Head, Air Eliminator And Dirt Separator (Spirotherm VDN)	3,923.71	319.91
23 21 16 00-0343 EA 4", 170 GPM, Removable Head, Air Eliminator And Dirt Separator (Spirotherm VDN)	4,541.34	490.45
23 21 16 00-0344 EA 5", 260 GPM, Removable Head, Air Eliminator And Dirt Separator (Spirotherm VDN)	6,584.04	606.37
23 21 16 00-0345 EA 6", 375 GPM, Removable Head, Air Eliminator And Dirt Separator (Spirotherm VDN)	8,431.18	686.63
23 21 16 00-0346 EA 8", 625 GPM, Removable Head, Air Eliminator And Dirt Separator (Spirotherm VDN)	13,053.47	154.94
23 21 16 00-0347 EA 10", 950 GPM, Removable Head, Air Eliminator And Dirt Separator (Spirotherm VDN)	19,146.63	936.31
23 21 16 00-0348 EA 12", 1,400 GPM, Removable Head, Air Eliminator And Dirt Separator (Spirotherm VDN)	24,747.59	1,211.63
23 21 16 00-0349 Swivel Joints (2321 16)		
23 21 16 00-0350 Carbon Steel, Straight Through Swivel Joint (Dixon Style 20) (2321 16 00-0349)		
Note: Includes BUNA-N Seat. For oil, gasoline, water, air, gas, and chemicals.		
23 21 16 00-0351 EA 1" Threaded, Carbon Steel, Straight Through Swivel Joint (Dixon Style 20)	236.29	29.31



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 16 00-0352 EA 1-1/2" Threaded, Carbon Steel, Straight Through Swivel Joint (Dixon Style 20)	340.07	42.91
23 21 16 00-0353 EA 2" Threaded, Carbon Steel, Straight Through Swivel Joint (Dixon Style 20)	469.69	50.16
23 21 16 00-0354 EA 3" Threaded, Carbon Steel, Straight Through Swivel Joint (Dixon Style 20)	708.19	85.83
23 21 16 00-0355 EA 4" Threaded, Carbon Steel, Straight Through Swivel Joint (Dixon Style 20)	889.52	97.53
<i>For Stainless Steel, Add</i>	1,041.68	
23 21 16 00-0356 EA 2" Flanged, Carbon Steel, Straight Through Swivel Joint (Dixon Style 20).....	671.12	91.96
<i>For Stainless Steel, Add</i>	728.01	
23 21 16 00-0357 EA 3" Flanged, Carbon Steel, Straight Through Swivel Joint (Dixon Style 20).....	901.72	118.55
23 21 16 00-0358 EA 4" Flanged, Carbon Steel, Straight Through Swivel Joint (Dixon Style 20).....	1,184.06	198.97
23 21 16 00-0359 EA 6" Flanged, Carbon Steel, Straight Through Swivel Joint (Dixon Style 20).....	2,163.40	278.66
23 21 16 00-0360 Carbon Steel, Single Swivel/Single Elbow Swivel Joint (Dixon Style 30) ^(23 21 16 00-0349)		
Note: Includes BUNA-N Seat. For oil, gasoline, water, air, gas, and chemicals.		
23 21 16 00-0361 EA 1" Threaded, Carbon Steel, Single Swivel/Single Elbow Swivel Joint (Dixon Style 30)	294.72	29.31
<i>For Stainless Steel, Add</i>	354.08	
23 21 16 00-0362 EA 1-1/2" Threaded, Carbon Steel, Single Swivel/Single Elbow Swivel Joint (Dixon Style 30).....	367.67	42.91
<i>For Stainless Steel, Add</i>	422.88	
23 21 16 00-0363 EA 2" Threaded, Carbon Steel, Single Swivel/Single Elbow Swivel Joint (Dixon Style 30)	490.17	50.16
<i>For Stainless Steel, Add</i>	583.26	
23 21 16 00-0364 EA 3" Threaded, Carbon Steel, Single Swivel/Single Elbow Swivel Joint (Dixon Style 30)	790.97	85.83
<i>For Stainless Steel, Add</i>	929.24	
23 21 16 00-0365 EA 4" Threaded, Carbon Steel, Single Swivel/Single Elbow Swivel Joint (Dixon Style 30)	1,024.73	97.53
<i>For Stainless Steel, Add</i>	1,244.49	
23 21 16 00-0366 EA 2" Flanged, Carbon Steel, Single Swivel/Single Elbow Swivel Joint (Dixon Style 30).....	689.83	91.96
<i>For Stainless Steel, Add</i>	756.08	
23 21 16 00-0367 EA 3" Flanged, Carbon Steel, Single Swivel/Single Elbow Swivel Joint (Dixon Style 30).....	1,008.88	118.55
<i>For Stainless Steel, Add</i>	1,157.57	
23 21 16 00-0368 EA 4" Flanged, Carbon Steel, Single Swivel/Single Elbow Swivel Joint (Dixon Style 30).....	1,307.77	198.97
<i>For Stainless Steel, Add</i>	1,364.52	
23 21 16 00-0369 EA 6" Flanged, Carbon Steel, Single Swivel/Single Elbow Swivel Joint (Dixon Style 30).....	2,248.83	278.66
<i>For Stainless Steel, Add</i>	2,537.27	
23 21 16 00-0370 Carbon Steel, Single Swivel/Double Elbow Swivel Joint (Dixon Style 40) ^(23 21 16 00-0349)		
Note: Includes BUNA-N Seat. For oil, gasoline, water, air, gas, and chemicals.		
23 21 16 00-0371 EA 1" Threaded, Carbon Steel, Single Swivel/Double Elbow Swivel Joint (Dixon Style 40).....	342.93	29.31
<i>For Stainless Steel, Add</i>	426.39	
23 21 16 00-0372 EA 1-1/2" Threaded, Carbon Steel, Single Swivel/Double Elbow Swivel Joint (Dixon Style 40).....	404.46	42.91
<i>For Stainless Steel, Add</i>	478.07	
23 21 16 00-0373 EA 2" Threaded, Carbon Steel, Single Swivel/Double Elbow Swivel Joint (Dixon Style 40).....	582.64	50.16
<i>For Stainless Steel, Add</i>	721.97	
23 21 16 00-0374 EA 3" Threaded, Carbon Steel, Single Swivel/Double Elbow Swivel Joint (Dixon Style 40).....	902.26	85.83
<i>For Stainless Steel, Add</i>	1,096.17	
23 21 16 00-0375 EA 4" Threaded, Carbon Steel, Single Swivel/Double Elbow Swivel Joint (Dixon Style 40).....	1,061.52	97.53
<i>For Stainless Steel, Add</i>	1,299.68	
23 21 16 00-0376 EA 2" Flanged, Carbon Steel, Single Swivel/Double Elbow Swivel Joint (Dixon Style 40).....	781.81	91.96
<i>For Stainless Steel, Add</i>	894.05	
23 21 16 00-0377 EA 3" Flanged, Carbon Steel, Single Swivel/Double Elbow Swivel Joint (Dixon Style 40).....	1,122.94	118.55
<i>For Stainless Steel, Add</i>	1,328.66	
23 21 16 00-0378 EA 4" Flanged, Carbon Steel, Single Swivel/Double Elbow Swivel Joint (Dixon Style 40).....	1,425.51	198.97
<i>For Stainless Steel, Add</i>	1,541.13	
23 21 16 00-0379 EA 6" Flanged, Carbon Steel, Single Swivel/Double Elbow Swivel Joint (Dixon Style 40).....	2,501.78	278.66
<i>For Stainless Steel, Add</i>	2,916.69	
23 21 16 00-0380 Basket Strainers ^(23 21 16)		
23 21 16 00-0381 Bronze Body Basket Strainers ^(23 21 16 00-0380)		
23 21 16 00-0382 Screwed Ends, Bronze Body Basket Strainers ^(23 21 16 00-0381)		
23 21 16 00-0383 EA 1/2" Screwed Ends, Bronze Body Basket Strainer.....	148.19	22.30
<i>For Work In Restricted Working Space, Add</i>	13.27	
23 21 16 00-0384 EA 3/4" Screwed Ends, Bronze Body Basket Strainer.....	174.96	26.20
<i>For Work In Restricted Working Space, Add</i>	15.59	
23 21 16 00-0385 EA 1" Screwed Ends, Bronze Body Basket Strainer.....	203.93	31.21
<i>For Work In Restricted Working Space, Add</i>	18.58	
23 21 16 00-0386 EA 1-1/4" Screwed Ends, Bronze Body Basket Strainer	249.10	34.55
<i>For Work In Restricted Working Space, Add</i>	20.71	
23 21 16 00-0387 EA 1-1/2" Screwed Ends, Bronze Body Basket Strainer	291.99	39.01
<i>For Work In Restricted Working Space, Add</i>	23.39	
23 21 16 00-0388 EA 2" Screwed Ends, Bronze Body Basket Strainer.....	418.82	44.58
<i>For Work In Restricted Working Space, Add</i>	26.78	
23 21 16 00-0389 EA 2-1/2" Screwed Ends, Bronze Body Basket Strainer	588.41	59.63
<i>For Work In Restricted Working Space, Add</i>	35.87	
23 21 16 00-0390 EA 3" Screwed Ends, Bronze Body Basket Strainer.....	802.90	63.53
<i>For Work In Restricted Working Space, Add</i>	38.04	
23 21 16 00-0391 Flanged, Bronze Body Basket Strainers ^(23 21 16 00-0381)		
23 21 16 00-0392 EA 2" Flanged, Bronze Body Basket Strainer.....	759.18	129.86
<i>For Work In Restricted Working Space, Add</i>	77.93	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 20 HVAC Piping And Pumps****23 21 Hydronic Piping And Pumps**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21	16 00-0393	EA	2-1/2" Flanged, Bronze Body Basket Strainer..... <i>For Work In Restricted Working Space, Add</i>	1,177.13 118.72	197.85
23 21	16 00-0394	EA	3" Flanged, Bronze Body Basket Strainer..... <i>For Work In Restricted Working Space, Add</i>	1,392.78 152.83	254.70
23 21	16 00-0395	EA	4" Flanged, Bronze Body Basket Strainer..... <i>For Work In Restricted Working Space, Add</i>	2,089.05 178.25	297.06
23 21	16 00-0396	EA	6" Flanged, Bronze Body Basket Strainer..... <i>For Work In Restricted Working Space, Add</i>	3,707.87 225.63	376.04
23 21	16 00-0397	EA	8" Flanged, Bronze Body Basket Strainer..... <i>For Work In Restricted Working Space, Add</i>	6,389.34 270.74	451.25
23 21 16 00-0398 Iron Body Basket Strainers (23 21 16 00-0380)					
23 21 16 00-0399 Screwed Ends, Iron Body Basket Strainers (23 21 16 00-0398)					
23 21	16 00-0400	EA	1/2" Screwed Ends, Iron Body Basket Strainer..... <i>For Work In Restricted Working Space, Add</i>	162.21 13.27	22.30
23 21	16 00-0401	EA	3/4" Screwed Ends, Iron Body Basket Strainer..... <i>For Work In Restricted Working Space, Add</i>	184.02 15.59	26.20
23 21	16 00-0402	EA	1" Screwed Ends, Iron Body Basket Strainer..... <i>For Work In Restricted Working Space, Add</i>	217.78 18.58	31.21
23 21	16 00-0403	EA	1-1/4" Screwed Ends, Iron Body Basket Strainer..... <i>For Work In Restricted Working Space, Add</i>	277.94 20.71	34.55
23 21	16 00-0404	EA	1-1/2" Screwed Ends, Iron Body Basket Strainer..... <i>For Work In Restricted Working Space, Add</i>	306.33 23.39	39.01
23 21	16 00-0405	EA	2" Screwed Ends, Iron Body Basket Strainer..... <i>For Work In Restricted Working Space, Add</i>	362.03 26.78	44.58
23 21	16 00-0406	EA	2-1/2" Screwed Ends, Iron Body Basket Strainer..... <i>For Work In Restricted Working Space, Add</i>	509.22 35.87	59.63
23 21	16 00-0407	EA	3" Screwed Ends, Iron Body Basket Strainer..... <i>For Work In Restricted Working Space, Add</i>	570.59 38.04	63.53
23 21 16 00-0408 Flanged, Iron Body Basket Strainers (23 21 16 00-0398)					
23 21	16 00-0409	EA	2" Flanged, Iron Body Basket Strainer..... <i>For Work In Restricted Working Space, Add</i>	656.11 77.93	129.86
23 21	16 00-0410	EA	2-1/2" Flanged, Iron Body Basket Strainer..... <i>For Work In Restricted Working Space, Add</i>	929.94 118.72	197.85
23 21	16 00-0411	EA	3" Flanged, Iron Body Basket Strainer..... <i>For Work In Restricted Working Space, Add</i>	1,078.13 152.83	254.70
23 21	16 00-0412	EA	4" Flanged, Iron Body Basket Strainer..... <i>For Work In Restricted Working Space, Add</i>	1,450.07 178.25	297.06
23 21	16 00-0413	EA	6" Flanged, Iron Body Basket Strainer..... <i>For Work In Restricted Working Space, Add</i>	2,417.94 225.63	376.04
23 21	16 00-0414	EA	8" Flanged, Iron Body Basket Strainer..... <i>For Work In Restricted Working Space, Add</i>	3,975.66 270.74	451.25
23 21	16 00-0415	EA	10" Flanged, Iron Body Basket Strainer..... <i>For Work In Restricted Working Space, Add</i>	5,649.83 307.70	512.83
23 21	16 00-0416	EA	12" Flanged, Iron Body Basket Strainer..... <i>For Work In Restricted Working Space, Add</i>	6,813.10 398.19	663.71
23 21	16 00-0417	EA	14" Flanged, Iron Body Basket Strainer..... <i>For Work In Restricted Working Space, Add</i>	8,533.23 483.41	805.67
23 21	16 00-0418	EA	16" Flanged, Iron Body Basket Strainer..... <i>For Work In Restricted Working Space, Add</i>	9,494.58 677.03	1,128.03
23 21 16 00-0419 Cast Steel Body Basket Strainers (23 21 16 00-0380)					
23 21 16 00-0420 Screwed Ends, Cast Steel Body Basket Strainers (23 21 16 00-0419)					
23 21	16 00-0421	EA	1" Screwed Ends, Cast Steel Body Basket Strainer..... <i>For Work In Restricted Working Space, Add</i>	363.56 18.58	31.21
23 21	16 00-0422	EA	1-1/4" Screwed Ends, Cast Steel Body Basket Strainer..... <i>For Work In Restricted Working Space, Add</i>	471.66 20.71	34.55
23 21	16 00-0423	EA	1-1/2" Screwed Ends, Cast Steel Body Basket Strainer..... <i>For Work In Restricted Working Space, Add</i>	531.67 23.38	39.01
23 21	16 00-0424	EA	2" Screwed Ends, Cast Steel Body Basket Strainer..... <i>For Work In Restricted Working Space, Add</i>	734.71 26.78	44.58
23 21	16 00-0425	EA	2-1/2" Screwed Ends, Cast Steel Body Basket Strainer..... <i>For Work In Restricted Working Space, Add</i>	1,027.02 35.86	59.63
23 21	16 00-0426	EA	3" Screwed Ends, Cast Steel Body Basket Strainer..... <i>For Work In Restricted Working Space, Add</i>	1,315.51 38.05	63.53
23 21 16 00-0427 Flanged, Cast Steel Body Basket Strainers (23 21 16 00-0419)					
23 21	16 00-0428	EA	2" Flanged, Cast Steel Body Basket Strainer..... <i>For Work In Restricted Working Space, Add</i>	1,199.19 77.93	129.86
23 21	16 00-0429	EA	2-1/2" Flanged, Cast Steel Body Basket Strainer..... <i>For Work In Restricted Working Space, Add</i>	1,769.73 118.72	197.85
23 21	16 00-0430	EA	3" Flanged, Cast Steel Body Basket Strainer..... <i>For Work In Restricted Working Space, Add</i>	2,011.26 152.83	254.70
23 21	16 00-0431	EA	4" Flanged, Cast Steel Body Basket Strainer..... <i>For Work In Restricted Working Space, Add</i>	2,703.11 178.25	297.06
23 21	16 00-0432	EA	6" Flanged, Cast Steel Body Basket Strainer..... <i>For Work In Restricted Working Space, Add</i>	4,554.57 225.63	376.04



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 16 00-0433 EA 8" Flanged, Cast Steel Body Basket Strainer <i>For Work In Restricted Working Space, Add</i>	7,133.42 270.74	451.25
23 21 16 00-0434 Stainless Steel Body Basket Strainers (23 21 16 00-0380)		
23 21 16 00-0435 Screwed Ends, Stainless Steel Body Basket Strainers (23 21 16 00-0434)		
23 21 16 00-0436 EA 1" Screwed Ends, Stainless Steel Body Basket Strainer <i>For Work In Restricted Working Space, Add</i>	313.28 18.58	31.21
23 21 16 00-0437 EA 1-1/4" Screwed Ends, Stainless Steel Body Basket Strainer <i>For Work In Restricted Working Space, Add</i>	441.10 20.71	34.55
23 21 16 00-0438 EA 1-1/2" Screwed Ends, Stainless Steel Body Basket Strainer <i>For Work In Restricted Working Space, Add</i>	458.70 23.38	39.01
23 21 16 00-0439 EA 2" Screwed Ends, Stainless Steel Body Basket Strainer <i>For Work In Restricted Working Space, Add</i>	665.39 26.78	44.58
23 21 16 00-0440 EA 2-1/2" Screwed Ends, Stainless Steel Body Basket Strainer <i>For Work In Restricted Working Space, Add</i>	937.08 35.86	59.63
23 21 16 00-0441 EA 3" Screwed Ends, Stainless Steel Body Basket Strainer <i>For Work In Restricted Working Space, Add</i>	1,302.76 38.05	63.53
23 21 16 00-0442 Flanged, Stainless Steel Body Basket Strainers (23 21 16 00-0434)		
23 21 16 00-0443 EA 2" Flanged, Stainless Steel Body Basket Strainer <i>For Work In Restricted Working Space, Add</i>	1,117.11 77.93	129.86
23 21 16 00-0444 EA 2-1/2" Flanged, Stainless Steel Body Basket Strainer <i>For Work In Restricted Working Space, Add</i>	1,730.91 118.72	197.85
23 21 16 00-0445 EA 3" Flanged, Stainless Steel Body Basket Strainer <i>For Work In Restricted Working Space, Add</i>	2,017.60 152.83	254.70
23 21 16 00-0446 EA 4" Flanged, Stainless Steel Body Basket Strainer <i>For Work In Restricted Working Space, Add</i>	3,145.10 178.25	297.06
23 21 16 00-0447 EA 6" Flanged, Stainless Steel Body Basket Strainer <i>For Work In Restricted Working Space, Add</i>	4,734.03 225.63	376.04
23 21 16 00-0448 EA 8" Flanged, Stainless Steel Body Basket Strainer <i>For Work In Restricted Working Space, Add</i>	7,920.62 270.74	451.25
23 21 16 00-0449 Air Vents (23 21 16)		
23 21 16 00-0450 Screwed Ends, Cast Iron, Automatic Air Vents (23 21 16 00-0449)		
<i>Note: With guided free floating lever.</i>		
23 21 16 00-0451 EA 1/2" NPT, Cast Iron, Automatic Air Vent	204.60	32.33
23 21 16 00-0452 EA 3/4" NPT, Cast Iron, Automatic Air Vent	252.80	42.91
23 21 16 00-0453 EA 1" NPT, Cast Iron, Automatic Air Vent	531.36	44.58
23 21 16 00-0454 EA 1-1/4" NPT, Cast Iron, Automatic Air Vent	790.15	68.89
23 21 16 00-0455 EA 1-1/2" NPT, Cast Iron, Automatic Air Vent	1,283.18	74.13
23 21 16 00-0456 EA 2" NPT, Cast Iron, Automatic Air Vent	1,484.07	97.76
23 21 16 00-0457 Forged Steel, Stainless Steel Internals, Automatic Air Vents (23 21 16 00-0449)		
<i>Note: With guided free floating lever.</i>		
23 21 16 00-0458 EA 1/2" NPT, Forged Steel, Stainless Steel Internals, Automatic Air Vent	1,223.17	37.34
23 21 16 00-0459 EA 3/4" NPT, Forged Steel, Stainless Steel Internals, Automatic Air Vent	1,530.09	42.91
23 21 16 00-0460 EA 1" NPT, Forged Steel, Stainless Steel Internals, Automatic Air Vent	1,820.71	44.58
23 21 16 00-0461 EA 1-1/4" NPT, Forged Steel, Stainless Steel Internals, Automatic Air Vent	2,983.99	69.11
23 21 16 00-0462 EA 1-1/2" NPT, Forged Steel, Stainless Steel Internals, Automatic Air Vent	3,442.32	74.13
23 21 16 00-0463 EA 2" NPT, Forged Steel, Stainless Steel Internals, Automatic Air Vent	5,052.11	97.53
23 21 16 00-0464 Manual Air Vent (23 21 16 00-0449)		
23 21 16 00-0465 EA Manual Air Vent	74.99	40.24
23 21 16 00-0466 Air Release Valves (23 21 16 00-0449)		
23 21 16 00-0467 Simple Lever, Cast Iron, Clean Water Air Release Valves (Apco 50) (23 21 16 00-0466)		
<i>Note: Up to 175 psi. Stainless steel float.</i>		
23 21 16 00-0468 EA 1/2" NPT, Simple Lever, Cast Iron, Clean Water Air Release Valves (Apco 50)	150.22	16.72
23 21 16 00-0469 EA 3/4" NPT, Simple Lever, Cast Iron, Clean Water Air Release Valves (Apco 50)	154.68	18.95
23 21 16 00-0470 EA 1" NPT, Simple Lever, Cast Iron, Clean Water Air Release Valves (Apco 50)	163.59	23.41
23 21 16 00-0471 Cast Iron, Compound Lever, Clean Water Air Release Valves (Apco 200) (23 21 16 00-0466)		
<i>Note: Up to 175 psi. Stainless steel float.</i>		
23 21 16 00-0472 EA 1" NPT, Cast Iron, Compound Lever, Clean Water Air Release Valves (Apco 200A)	592.54	23.41
23 21 16 00-0473 EA 2" NPT, Cast Iron, Compound Lever, Clean Water Air Release Valves (Apco 200)	717.19	40.68
23 21 16 00-0474 EA 3" Flanged, Cast Iron, Compound Lever, Clean Water Air Release Valves (Apco 200)	1,061.99	118.55
23 21 16 00-0475 Cast Iron, Air/Vacuum Valves (23 21 16 00-0466)		
<i>Note: Up to 150 psi. Stainless steel float.</i>		
23 21 16 00-0476 EA 1/2" NPT, Cast Iron, Air/Vacuum Valve (Apco 141)	289.25	16.72

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 20 HVAC Piping And Pumps****23 21 Hydronic Piping And Pumps**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 16 00-0477 EA 1" NPT, Cast Iron, Air/Vacuum Valve (Apco 142)	358.23	23.41
23 21 16 00-0478 EA 2" NPT, Cast Iron, Air/Vacuum Valve (Apco 144)	618.94	40.68
23 21 16 00-0479 EA 3" Flanged, Cast Iron, Air/Vacuum Valve (Apco 146)	1,017.50	118.55
23 21 16 00-0480 EA 4" Flanged, Cast Iron, Air/Vacuum Valve (Apco 152)	1,564.03	185.81
23 21 16 00-0481 EA 6" Flanged, Cast Iron, Air/Vacuum Valve (Apco 153)	2,355.43	236.97
23 21 16 00-0482 Ductile Iron, Combination Air Release And Vacuum Valves, Single Body Double Orifice (23 21 16 00-0466)		
Note: Up to 150 psi. Stainless Steel float.		
23 21 16 00-0483 EA 1" NPT, Ductile Iron, Combination Air Release And Vacuum Valves, Single Body Double Orifice (Apco 143C)	513.94	23.41
23 21 16 00-0484 EA 2" NPT, Ductile Iron, Combination Air Release And Vacuum Valves, Single Body Double Orifice (Apco 145C)	791.34	40.68
23 21 16 00-0485 EA 3" Flanged, Ductile Iron, Combination Air Release And Vacuum Valves, Single Body Double Orifice (Apco 147C)	1,564.34	142.23
23 21 16 00-0486 EA 4" Flanged, Ductile Iron, Combination Air Release And Vacuum Valves, Single Body Double Orifice (Apco 149C)	2,058.43	185.81
23 21 23 Hydronic Pumps (23 21)		
23 21 23 13 In-Line Centrifugal Hydronic Pumps (23 21 23)		
23 21 23 13-0001 Cast Iron Single Stage In-Line Centrifugal Pump (23 21 23 13)		
Note: For general service, 125 LB flanged, 3550 RPM TEFC motor. Includes packed stuffing boxes and ductile iron case.		
23 21 23 13-0002 EA 50 GPM Cast Iron Centrifugal Pump, Single Stage With 100' Head And 3 HP	7,192.12	297.54
For Mechanical Seal, Add	503.99	
For Cast Steel Case, Add	1,133.99	
23 21 23 13-0003 EA 75 GPM Cast Iron Centrifugal Pump, Single Stage With 100' Head And 5 HP	7,833.68	360.14
For Mechanical Seal, Add	540.29	
For Cast Steel Case, Add	1,215.66	
23 21 23 13-0004 EA 100 GPM Cast Iron Centrifugal Pump, Single Stage With 150' Head And 7-1/2 HP	9,048.37	427.85
For Mechanical Seal, Add	621.27	
For Cast Steel Case, Add	1,397.85	
23 21 23 13-0005 EA 125 GPM Cast Iron Centrifugal Pump, Single Stage With 150' Head And 10 HP	9,685.29	570.47
For Mechanical Seal, Add	638.02	
For Cast Steel Case, Add	1,435.54	
23 21 23 13-0006 EA 150 GPM Cast Iron Centrifugal Pump, Single Stage With 200' Head And 15 HP	11,577.89	621.77
For Mechanical Seal, Add	776.99	
For Cast Steel Case, Add	1,748.23	
23 21 23 13-0007 EA 200 GPM Cast Iron Centrifugal Pump, Single Stage With 300' Head And 30 HP	17,444.09	684.36
For Mechanical Seal, Add	1,231.36	
For Cast Steel Case, Add	2,770.57	
23 21 23 13-0008 EA 250 GPM Cast Iron Centrifugal Pump, Single Stage With 300' Head And 40 HP	20,469.85	854.68
For Mechanical Seal, Add	1,432.38	
For Cast Steel Case, Add	3,222.86	
23 21 23 13-0009 EA 300 GPM Cast Iron Centrifugal Pump, Single Stage With 300' Head And 50 HP	17,067.05	976.78
For Mechanical Seal, Add	1,130.84	
For Cast Steel Case, Add	2,544.40	
23 21 23 13-0010 EA 400 GPM Cast Iron Centrifugal Pump, Single Stage With 400' Head And 75 HP	36,344.73	974.88
For Mechanical Seal, Add	2,673.60	
For Cast Steel Case, Add	6,015.59	
23 21 23 13-0011 EA 600 GPM Cast Iron Centrifugal Pump, Single Stage With 400' Head And 100 HP	39,546.92	1,253.16
For Mechanical Seal, Add	2,862.92	
For Cast Steel Case, Add	6,441.57	
23 21 23 16 Base-Mounted, Centrifugal Hydronic Pumps (23 21 23)		
23 21 23 16-0001 Single Stage, Cast Iron, Horizontal End Suction, Base Mounted Centrifugal Pump (23 21 23 16)		
Note: 1800 RPM, welded steel baseplate, internally flushed mechanical seal, bronze wear ring, galvanized drip pan, and 3 phase 230/460V premium efficiency motor. Bell & Gossett 1510 Series.		
23 21 23 16-0002 EA 5 HP, 50 GPM At 100' Head Single Stage Cast Iron Centrifugal Pump (B&G 1510, 1-1/4 BC, BF, 184T)	3,385.38	325.25
23 21 23 16-0003 EA 7.5 HP, 100 GPM At 100' Head Single Stage Cast Iron Centrifugal Pump (B&G 1510, 1-1/2 BC, BF, 213T)	3,761.44	325.66
23 21 23 16-0004 EA 10 HP, 225 GPM At 100' Head Single Stage Cast Iron Centrifugal Pump (B&G 1510, 2 E, BF, 215T)	4,923.07	427.85
23 21 23 16-0005 EA 15 HP, 250 GPM At 100' Head Single Stage Cast Iron Centrifugal Pump (B&G 1510, 2 E, BF, 254T)	5,483.54	526.35
23 21 23 16-0006 EA 15 HP, 300 GPM At 100' Head Single Stage Cast Iron Centrifugal Pump (B&G 1510, 3 G, BF, 254T)	6,041.40	526.35
23 21 23 16-0007 EA 20 HP, 350 GPM At 100' Head Single Stage Cast Iron Centrifugal Pump (B&G 1510, 3 E, BF, 256T)	5,966.11	570.47
23 21 23 16-0008 EA 20 HP, 500 GPM At 100' Head Single Stage Cast Iron Centrifugal Pump (B&G 1510, 4 E, BF, 256T)	6,283.27	570.47
23 21 23 16-0009 EA 25 HP, 600 GPM At 100' Head Single Stage Cast Iron Centrifugal Pump (B&G 1510, 4 E, BF, 284T)	6,853.68	598.18
23 21 23 16-0010 EA 30 HP, 750 GPM At 100' Head Single Stage Cast Iron Centrifugal Pump (B&G 1510, 5 E, BF, 286T)	7,744.61	760.28
23 21 23 16-0011 EA 40 HP, 1,050 GPM At 100' Head Single Stage Cast Iron Centrifugal Pump (B&G 1510, 5 E, BF, 324T)	8,274.08	854.68
23 21 23 16-0012 EA 60 HP, 1,500 GPM At 100' Head Single Stage Cast Iron Centrifugal Pump (B&G 1510, 6 E, BF, 364T)	13,498.16	1,862.40
23 21 23 16-0013 EA 75 HP, 2,000 GPM At 100' Head Single Stage Cast Iron Centrifugal Pump (B&G 1510, 8 G, BF, 365T)	18,854.73	2,234.47
23 21 23 16-0014 EA 100 HP, 3,000 GPM At 100' Head Single Stage Cast Iron Centrifugal Pump (B&G 1510, 8 G, BF, 404TS)	21,781.06	2,793.09
23 21 23 16-0015 Single Stage, Vertical Split Case, Cast Iron, Horizontal End Suction, Base Mounted Centrifugal Pump (23 21 23 16)		
Note: 125 LB flanged, 1750 RPM drip-proof motor, common base plate 100' head. Standard seal and motor. For general service.		
23 21 23 16-0016 EA 40 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case, 1-1/2 HP	3,005.36	239.06
For 300 LB Flanges, Add	643.56	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 23 16-0017 EA 50 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case, 2 HP <i>For 300 LB Flanges, Add</i>	3,673.13 822.09	256.51
23 21 23 16-0018 EA 90 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case, 3 HP <i>For 300 LB Flanges, Add</i>	4,579.28 1,030.82	273.95
23 21 23 16-0019 EA 100 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case, 5 HP <i>For 300 LB Flanges, Add</i>	5,392.79 1,201.62	325.25
23 21 23 16-0020 EA 150 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case, 7.5 HP <i>For 300 LB Flanges, Add</i>	5,667.18 1,262.89	325.66
23 21 23 16-0021 EA 200 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case, 10 HP <i>For 300 LB Flanges, Add</i>	6,160.87 1,347.84	427.85
23 21 23 16-0022 EA 225 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case, 10 HP <i>For 300 LB Flanges, Add</i>	6,160.87 1,347.84	427.85
23 21 23 16-0023 EA 250 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case, 10 HP <i>For 300 LB Flanges, Add</i>	6,160.87 1,347.84	427.85
23 21 23 16-0024 EA 300 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case, 15 HP <i>For 300 LB Flanges, Add</i>	7,507.74 1,640.16	526.35
23 21 23 16-0025 EA 350 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case, 15 HP <i>For 300 LB Flanges, Add</i>	7,646.36 1,665.27	525.94
23 21 23 16-0026 EA 500 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case, 20 HP <i>For 300 LB Flanges, Add</i>	8,048.20 1,755.54	570.47
23 21 23 16-0027 EA 600 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case, 25 HP <i>For 300 LB Flanges, Add</i>	8,814.58 1,926.64	598.18
23 21 23 16-0028 EA 750 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case, 30 HP <i>For 300 LB Flanges, Add</i>	9,877.67 2,127.41	760.28
23 21 23 16-0029 EA 1,050 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case, 40 HP <i>For 300 LB Flanges, Add</i>	11,193.14 2,413.52	854.68
23 21 23 16-0030 EA 1,500 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case, 60 HP <i>For 300 LB Flanges, Add</i>	16,706.89 3,278.94	1,862.40
23 21 23 16-0031 EA 2,000 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case, 75 HP <i>For 300 LB Flanges, Add</i>	19,907.61 3,899.57	2,234.47
23 21 23 16-0032 EA 3,000 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case, 100 HP <i>For 300 LB Flanges, Add</i>	23,764.09 4,594.35	2,793.09
23 21 23 16-0033 Single Stage, Horizontal Split Case, Cast Iron, Horizontal End Suction, Base Mounted Centrifugal Pump <small>(23 21 23 16)</small>		
Note: 125 LB flanged, 1750 RPM drip-proof motor, common base plate 100' head. Standard seal and motor. For general service.		
23 21 23 16-0034 EA 40 GPM Cast Iron Centrifugal Pump, Single Stage, Horizontal Split Case, 1-1/2" HP..... <i>For 300 LB Flanges, Add</i>	4,537.76 1,026.66	239.06
23 21 23 16-0035 EA 50 GPM Cast Iron Centrifugal Pump, Single Stage, Horizontal Split Case, 2 HP <i>For 300 LB Flanges, Add</i>	4,666.54 1,051.20	256.51
23 21 23 16-0036 EA 90 GPM Cast Iron Centrifugal Pump, Single Stage, Horizontal Split Case, 3 HP <i>For 300 LB Flanges, Add</i>	4,795.47 1,075.74	273.95
23 21 23 16-0037 EA 100 GPM Cast Iron Centrifugal Pump, Single Stage, Horizontal Split Case, 5 HP <i>For 300 LB Flanges, Add</i>	5,195.94 1,172.83	280.11
23 21 23 16-0038 EA 100 GPM Cast Iron Centrifugal Pump, Single Stage, Horizontal Split Case, 7.5 HP <i>For 300 LB Flanges, Add</i>	8,374.41 1,947.03	325.25
23 21 23 16-0039 EA 250 GPM Cast Iron Centrifugal Pump, Single Stage, Horizontal Split Case, 10 HP <i>For 300 LB Flanges, Add</i>	11,127.36 2,615.49	427.85
23 21 23 16-0040 EA 350 GPM Cast Iron Centrifugal Pump, Single Stage, Horizontal Split Case, 15 HP <i>For 300 LB Flanges, Add</i>	11,394.95 2,656.36	461.71
23 21 23 16-0041 EA 500 GPM Cast Iron Centrifugal Pump, Single Stage, Horizontal Split Case, 20 HP <i>For 300 LB Flanges, Add</i>	12,108.01 2,790.23	513.01
23 21 23 16-0042 EA 750 GPM Cast Iron Centrifugal Pump, Single Stage, Horizontal Split Case, 25 HP <i>For 300 LB Flanges, Add</i>	13,353.58 3,119.04	487.91
23 21 23 16-0043 EA 1,000 GPM Cast Iron Centrifugal Pump, Single Stage, Horizontal Split Case, 40 HP <i>For 300 LB Flanges, Add</i>	15,014.49 3,471.59	627.05
23 21 23 16-0044 EA 1,500 GPM Cast Iron Centrifugal Pump, Single Stage, Horizontal Split Case, 50 HP <i>For 300 LB Flanges, Add</i>	18,987.78 4,387.83	745.15
23 21 23 16-0045 EA 2,000 GPM Cast Iron Centrifugal Pump, Single Stage, Horizontal Split Case, 75 HP <i>For 300 LB Flanges, Add</i>	21,455.02 4,914.87	930.69
23 21 23 16-0046 EA 3,000 GPM Cast Iron Centrifugal Pump, Single Stage, Horizontal Split Case, 100 HP <i>For 300 LB Flanges, Add</i>	30,436.26 7,070.40	1,117.23
23 21 23 16-0047 EA 3,500 GPM Cast Iron Centrifugal Pump, Single Stage, Horizontal Split Case, 150 HP <i>For 300 LB Flanges, Add</i>	57,386.01 13,747.98	1,240.93
23 21 23 16-0048 EA 4,000 GPM Cast Iron Centrifugal Pump, Single Stage, Horizontal Split Case, 200 HP <i>For 300 LB Flanges, Add</i>	61,163.54 14,521.36	1,596.06
23 21 23 16-0049 Two Stage, Horizontal Split Case, Cast Iron, Horizontal End Suction, Base Mounted Centrifugal Pump <small>(23 21 23 16)</small>		
Note: 3500 RPM drip-proof motor, common base plate 500' head. Packed stuffing box and boiler feed water service.		
23 21 23 16-0050 EA 100 GPM Cast Iron Centrifugal Pump, Two Stage, Horizontal Split Case, 40 HP <i>For 300 LB Flanges, Add</i>	15,919.09 3,743.00	526.35
23 21 23 16-0051 EA 200 GPM Cast Iron Centrifugal Pump, Two Stage, Horizontal Split Case, 50 HP <i>For 300 LB Flanges, Add</i>	17,244.66 4,054.66	570.47
23 21 23 16-0052 EA 300 GPM Cast Iron Centrifugal Pump, Two Stage, Horizontal Split Case, 75 HP <i>For 300 LB Flanges, Add</i>	20,682.11 4,841.87	717.76
23 21 23 16-0053 EA 400 GPM Cast Iron Centrifugal Pump, Two Stage, Horizontal Split Case, 100 HP <i>For 300 LB Flanges, Add</i>	40,456.89 9,662.32	986.26

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 20 HVAC Piping And Pumps****23 21 Hydronic Piping And Pumps**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 23 16-0054 EA 800 GPM Cast Iron Centrifugal Pump, Two Stage, Horizontal Split Case, 200 HP <i>For 300 LB Flanges, Add</i>	49,623.04 11,803.22	1,315.03
23 21 23 16-0055 Cast Iron Close Coupling Pumps (23 21 23 16)		
23 21 23 16-0056 Foot Mounted Cast Iron Close Coupled Pumps (23 21 23 16-0055)		
23 21 23 16-0057 EA 3 HP, 90 GPM At 50' Head, Foot Mounted, Close Coupled Cast Iron Centrifugal Pump (B&G 1531, 1-1/2 AC, BF, 182JM).....	3,055.85	307.81
23 21 23 16-0058 EA 3 HP, 150 GPM At 40' Head, Foot Mounted, Close Coupled Cast Iron Centrifugal Pump (B&G 1531, 2-1/2 AB, BF, 182JM).....	3,284.01	307.81
23 21 23 16-0059 EA 5 HP, 225 GPM At 50' Head, Foot Mounted, Close Coupled Cast Iron Centrifugal Pump (B&G 1531, 2-1/2 BB, BF, 184JM).....	3,624.89	324.91
23 21 23 16-0060 EA 5 HP, 350 GPM At 25' Head, Foot Mounted, Close Coupled Cast Iron Centrifugal Pump (B&G 1531, 4 AC, BF, 184JM).....	3,826.73	324.91
23 21 23 16-0061 EA 7.5 HP, 350 GPM At 40' Head, Foot Mounted, Close Coupled Cast Iron Centrifugal Pump (B&G 1531, 4 AC, BF, 213JM).....	4,349.39	341.66
23 21 23 16-0062 EA 10 HP, 600 GPM At 40' Head, Foot Mounted, Close Coupled Cast Iron Centrifugal Pump (B&G 1531, 5 A, BF, 215JM).....	5,105.24	391.71
23 21 23 16-0063 EA 15 HP, 1,000 GPM At 40' Head, Foot Mounted, Close Coupled Cast Iron Centrifugal Pump (B&G 1531, 6 BC, BF, 254JP).....	6,655.32	482.55
23 21 23 16-0064 EA 20 HP, 1,350 GPM At 30' Head, Foot Mounted, Close Coupled Cast Iron Centrifugal Pump (B&G 1531, 6 BC, BF, 256JP).....	7,132.97	522.28
23 21 23 16-0065 EA 25 HP, 1,550 GPM At 40' Head, Foot Mounted, Close Coupled Cast Iron Centrifugal Pump (B&G 1531, 6 BC, BF, 284JP).....	8,201.00	564.06
23 21 23 16-0066 Pumps, Polypropylene Body, Housing And Impeller, 115/230 Volt (23 21 23 16)		
23 21 23 16-0067 EA 1/3 HP, Centrifugal Pump, Polypropylene Body	1,865.83	159.06
23 21 23 16-0068 EA 1/2 HP, Centrifugal Pump, Polypropylene Body	1,991.39	168.65
23 21 23 16-0069 EA 3/4 HP, Centrifugal Pump, Polypropylene Body	2,338.30	179.58
23 21 23 23 Vertical-Turbine Hydronic Pumps (23 21 23)		
23 21 23 23-0001 Cast Iron, Bronze Fitted Vertical Turbine Wet Sump Pumps (23 21 23 23)		
Note: For water supply, cooling towers and process liquids. Multi-stage 1750 RPM drip-proof motor. For 1' to 5' sump depth.		
23 21 23 23-0002 EA 50 GPM Cast Iron Turbine Pump, 3" Discharge 100' Head, 10 Stage, 2 HP..... <i>For Each Extra Column Assembly <60", Add</i> <i>For Basket Strainer, Galvanized. Steel Pipe Sizes 3" To 8", Add</i> <i>For Basket Strainer, Galvanized Steel Pipe Sizes 10" And Larger, Add</i>	8,591.64 732.93 298.06 212.15	760.28
23 21 23 23-0003 EA 100 GPM Cast Iron Turbine Pump, 4" Discharge 100' Head, 7 Stage, 3 HP..... <i>For Each Extra Column Assembly <60", Add</i> <i>For Basket Strainer, Galvanized. Steel Pipe Sizes 3" To 8", Add</i> <i>For Basket Strainer, Galvanized Steel Pipe Sizes 10" And Larger, Add</i>	8,970.69 763.62 312.86 223.15	854.68
23 21 23 23-0004 EA 250 GPM Cast Iron Turbine Pump, 6" Discharge 150' Head, 5 Stage, 15 HP..... <i>For Each Extra Column Assembly <60", Add</i> <i>For Basket Strainer, Galvanized. Steel Pipe Sizes 3" To 8", Add</i> <i>For Basket Strainer, Galvanized Steel Pipe Sizes 10" And Larger, Add</i>	10,606.51 901.96 370.82 264.76	745.15
23 21 23 23-0005 EA 500 GPM Cast Iron Turbine Pump, 6" Discharge 150' Head, 3 Stage, 25 HP..... <i>For Each Extra Column Assembly <60", Add</i> <i>For Basket Strainer, Galvanized. Steel Pipe Sizes 3" To 8", Add</i> <i>For Basket Strainer, Galvanized Steel Pipe Sizes 10" And Larger, Add</i>	11,418.27 968.71 401.48 287.30	859.87
23 21 23 23-0006 EA 1,000 GPM Cast Iron Turbine Pump, 8" Discharge 150' Head, 2 Stage, 50 HP..... <i>For Each Extra Column Assembly <60", Add</i> <i>For Basket Strainer, Galvanized. Steel Pipe Sizes 3" To 8", Add</i> <i>For Basket Strainer, Galvanized Steel Pipe Sizes 10" And Larger, Add</i>	13,902.61 1,172.06 496.25 357.23	930.69
23 21 23 23-0007 EA 2,000 GPM Cast Iron Turbine Pump, 10" Discharge 150' Head, 3 Stage, 100 HP..... <i>For Each Extra Column Assembly <60", Add</i> <i>For Basket Strainer, Galvanized. Steel Pipe Sizes 3" To 8", Add</i> <i>For Basket Strainer, Galvanized Steel Pipe Sizes 10" And Larger, Add</i>	21,784.48 1,814.58 799.56 581.71	1,117.23
23 21 23 23-0008 EA 3,000 GPM Cast Iron Turbine Pump, 10" Discharge 150' Head, 2 Stage, 150 HP..... <i>For Each Extra Column Assembly <60", Add</i> <i>For Basket Strainer, Galvanized. Steel Pipe Sizes 3" To 8", Add</i> <i>For Basket Strainer, Galvanized Steel Pipe Sizes 10" And Larger, Add</i>	26,120.41 2,179.41 955.04 693.83	1,396.55
23 21 23 23-0009 EA 4,000 GPM Cast Iron Turbine Pump, 12" Discharge 150' Head, 2 Stage, 200 HP..... <i>For Each Extra Column Assembly <60", Add</i> <i>For Basket Strainer, Galvanized. Steel Pipe Sizes 3" To 8", Add</i> <i>For Basket Strainer, Galvanized Steel Pipe Sizes 10" And Larger, Add</i>	41,330.44 3,409.04 1,550.61 1,137.31	1,596.06
23 21 23 23-0010 EA 6,000 GPM Cast Iron Turbine Pump, 14" Discharge 150' Head, 2 Stage, 300 HP..... <i>For Each Extra Column Assembly <60", Add</i> <i>For Basket Strainer, Galvanized. Steel Pipe Sizes 3" To 8", Add</i> <i>For Basket Strainer, Galvanized Steel Pipe Sizes 10" And Larger, Add</i>	54,012.86 4,440.73 2,040.81 1,500.68	1,862.40
23 21 23 23-0011 EA 10,000 GPM Cast Iron Turbine Pump, 18" Discharge 100' Head, 2 Stage, 300 HP..... <i>For Each Extra Column Assembly <60", Add</i> <i>For Basket Strainer, Galvanized. Steel Pipe Sizes 3" To 8", Add</i> <i>For Basket Strainer, Galvanized Steel Pipe Sizes 10" And Larger, Add</i>	75,321.89 6,169.40 2,869.23 2,116.01	2,234.47
23 21 29 Automatic Condensate Pump Units (23 21)		
23 21 29 00-0001 Automatic Shallow Pan Condensate Pump (23 21 29)		
23 21 29 00-0002 EA 1/150 HP, 205 GPH (Max) Automatic Shallow Pan Condensate Pump (Little Giant 1-ABS).....	169.91	33.35
23 21 29 00-0003 EA 1/40 HP, 300 GPH (Max) Automatic Shallow Pan Condensate Pump (Little Giant 2-ABS).....	182.83	33.35



		MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 29 00-0004	EA	1/12 HP, 310 GPH (Max) Automatic Shallow Pan Condensate Pump (Little Giant 3-ABS)	278.06	38.48
23 21 29 00-0005	Automatic Condensate Pump With Tank <small>(23 21 29)</small>			
23 21 29 00-0006	EA	1/20 HP Automatic Condensate Pump With Tank (Hartell KT-15-1UL)	97.01	25.66
23 21 29 00-0007	EA	1/30 HP Automatic Condensate Pump With Tank (Little Giant VCMX-20)	102.53	25.66
23 21 29 00-0008	EA	1/50 HP, 200 GPH (Max) Automatic Condensate Removal Pump With Safety Switch (Little Giant VCL-14ULS)	165.68	33.35
23 21 29 00-0009	EA	1/18 HP, 270 GPH (Max) Automatic Condensate Removal Pump With Safety Switch (Little Giant VCL-24ULS)	180.18	38.48
23 21 29 00-0010	EA	1/5 HP, 450 GPH (Max) Automatic Condensate Removal Pump With Safety Switch (Little Giant VCL-45ULS) Condensate Pump	318.35	43.61
23 22	Steam And Condensate Piping And Pumps <small>(23 20)</small>			
23 22 13	Steam and Condensate Heating Piping <small>(23 22)</small>			
23 22 13 00-0001	Ric-Wil System Pipe And Casing <small>(23 22 13)</small> Note: Larger pipe size is usually for the condensate return. Perma, Ric-Wil or Thermoacol.			
23 22 13 00-0002	Steam Pipe <small>(23 22 13 00-0001)</small> Note: Includes condensate return.			
23 22 13 00-0003	LF	1-1/4" And 1-1/2" Ric-Wil Pipe, 10" Case Steam Pipe With Condensate Return	77.85	14.50
23 22 13 00-0004	LF	1-1/4" And 2" Ric-Wil Pipe, 10" Case Steam Pipe With Condensate Return	83.54	16.57
23 22 13 00-0005	LF	1-1/2" And 3" Ric-Wil Pipe, 10" Case Steam Pipe With Condensate Return	95.83	18.65
23 22 13 00-0006	LF	3" And 6" Ric-Wil Pipe, 15" Case Steam Pipe With Condensate Return	147.24	29.01
23 22 13 00-0007	LF	4" And 8" Ric-Wil Pipe, 16-1/2" Case Steam Pipe With Condensate Return	193.57	39.37
23 22 13 00-0008	Steam Or Condensate Pipe <small>(23 22 13 00-0001)</small> Note: Excludes return.			
23 22 13 00-0009	LF	2" Steam Or Condensate Pipe, 6" Case With No Return Line	65.74	9.32
23 22 13 00-0010	LF	2" Steam Or Condensate Pipe, 8" Case With No Return Line	69.97	10.36
23 22 13 00-0011	LF	3" Steam Or Condensate Pipe, 8" Case With No Return Line	81.98	12.43
23 22 13 00-0012	LF	4" Steam Or Condensate Pipe, 10" Case With No Return Line	107.70	18.65
23 22 13 00-0013	LF	6" Steam Or Condensate Pipe, 11-1/2" Case With No Return Line	147.17	27.98
23 22 16	Steam And Condensate Heating Piping Specialties <small>(23 22)</small>			
23 22 16 00-0001	Steam Temperature Regulator, Iron Body <small>(23 22 16)</small>			
23 22 16 00-0002	Single Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body <small>(23 22 16 00-0001)</small> Note: Up to 150 PSI.			
23 22 16 00-0003	EA	1/2" Single Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	510.58	16.05
23 22 16 00-0004	EA	3/4" Single Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	543.63	21.62
23 22 16 00-0005	EA	1" Single Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	718.68	26.63
23 22 16 00-0006	EA	1-1/4" Single Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	799.16	33.66
23 22 16 00-0007	EA	1-1/2" Single Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	825.91	38.67
23 22 16 00-0008	EA	2" Single Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	970.97	42.05
23 22 16 00-0009	EA	2-1/2" Single Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	1,268.72	77.03
23 22 16 00-0010	EA	3" Single Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	1,585.88	84.00
23 22 16 00-0011	EA	4" Single Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	2,426.32	196.62
23 22 16 00-0012	EA	6" Single Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	3,901.26	230.77
23 22 16 00-0013	Single Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body <small>(23 22 16 00-0001)</small>			
23 22 16 00-0014	EA	1/2" Single Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	746.28	16.05
23 22 16 00-0015	EA	3/4" Single Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	779.69	21.62
23 22 16 00-0016	EA	1" Single Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	820.05	26.63
23 22 16 00-0017	EA	1-1/4" Single Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	983.85	33.66
23 22 16 00-0018	EA	1-1/2" Single Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	1,057.82	38.67
23 22 16 00-0019	EA	2" Single Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	1,198.70	42.05
23 22 16 00-0020	EA	2-1/2" Single Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	1,854.73	77.03
23 22 16 00-0021	EA	3" Single Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	2,150.39	84.00
23 22 16 00-0022	EA	4" Single Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	3,088.09	196.62
23 22 16 00-0023	EA	6" Single Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	4,866.86	230.77
23 22 16 00-0024	Double Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body <small>(23 22 16 00-0001)</small>			
23 22 16 00-0025	EA	1/2" Double Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	1,009.09	16.05
23 22 16 00-0026	EA	3/4" Double Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	1,031.03	21.62
23 22 16 00-0027	EA	1" Double Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	1,132.49	26.63
23 22 16 00-0028	EA	1-1/4" Double Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	1,239.36	33.66
23 22 16 00-0029	EA	1-1/2" Double Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	1,289.72	38.67
23 22 16 00-0030	EA	2" Double Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	1,452.83	42.05
23 22 16 00-0031	EA	2-1/2" Double Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	2,687.91	77.03
23 22 16 00-0032	EA	3" Double Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	2,996.40	84.00
23 22 16 00-0033	EA	4" Double Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	3,916.44	196.62

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 20 HVAC Piping And Pumps****23 22 Steam And Condensate Piping And Pumps**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 22 16 00-0034 EA 6" Double Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body.....	5,429.88	230.77
23 22 16 00-0035 Double Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body (23 22 16 00-0001)		
23 22 16 00-0036 EA 1/2" Double Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body.....	1,286.82	16.05
23 22 16 00-0037 EA 3/4" Double Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body.....	1,307.38	21.62
23 22 16 00-0038 EA 1" Double Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body.....	1,424.11	26.63
23 22 16 00-0039 EA 1-1/4" Double Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body.....	1,492.08	33.66
23 22 16 00-0040 EA 1-1/2" Double Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body.....	1,554.94	38.67
23 22 16 00-0041 EA 2" Double Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body.....	1,693.06	42.05
23 22 16 00-0042 EA 2-1/2" Double Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body.....	2,826.78	77.03
23 22 16 00-0043 EA 3" Double Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body.....	3,143.79	84.00
23 22 16 00-0044 EA 4" Double Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body.....	4,063.83	196.62
23 22 16 00-0045 EA 6" Double Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body.....	5,577.27	230.77
23 22 16 00-0046 High Temperature Safety Relief Valve (23 22 16)		
Note: Used in steam or water boiler, heating systems and unfired pressure vessel applications.		
23 22 16 00-0047 Cast Iron Body Safety Valve, Steam Or Water (23 22 16 00-0046)		
Note: Variable set points to 500 psig pressure, 400 Degree F temperature range.		
23 22 16 00-0048 Threaded (23 22 16 00-0047)		
23 22 16 00-0049 EA 3/4" x 1" Threaded Cast Iron Body Safety Relief Valve, Steam or Water	223.30	16.71
23 22 16 00-0050 EA 1" x 1-1/4" Threaded Cast Iron Body Safety Relief Valve, Steam or Water	239.38	19.78
23 22 16 00-0051 EA 1-1/4" x 1-1/2" Threaded Cast Iron Body Safety Relief Valve, Steam or Water	272.14	25.07
23 22 16 00-0052 EA 1-1/2" x 2" Threaded Cast Iron Body Safety Relief Valve, Steam or Water	328.04	27.86
23 22 16 00-0053 EA 2" x 2-1/2" Threaded Cast Iron Body Safety Relief Valve, Steam or Water	416.49	34.27
23 22 16 00-0054 EA 2-1/2" x 2-1/2" Threaded Cast Iron Body Safety Relief Valve, Steam or Water	611.07	39.00
23 22 16 00-0055 EA 3" x 3" Threaded Cast Iron Body Safety Relief Valve, Steam or Water	667.95	44.85
23 22 16 00-0056 Flanged (23 22 16 00-0047)		
23 22 16 00-0057 EA 1-1/2" x 2-1/2" Flanged Cast Iron Body Safety Relief Valve, Steam or Water	1,336.22	27.86
23 22 16 00-0058 EA 2" x 3" Flanged Cast Iron Body Safety Relief Valve, Steam or Water.....	1,540.95	33.43
23 22 16 00-0059 EA 2-1/2" x 3" Flanged Cast Iron Body Safety Relief Valve, Steam or Water.....	1,795.77	56.41
23 22 16 00-0060 EA 2-1/2" x 4" Flanged Cast Iron Body Safety Relief Valve, Steam or Water.....	2,135.51	61.53
23 22 16 00-0061 EA 3" x 3" Flanged Cast Iron Body Safety Relief Valve, Steam or Water.....	2,318.90	66.66
23 22 16 00-0062 EA 3" x 4" Flanged Cast Iron Body Safety Relief Valve, Steam or Water.....	2,705.22	76.93
23 22 16 00-0063 EA 4" x 6" Flanged Cast Iron Body Safety Relief Valve, Steam or Water.....	4,533.18	123.18
23 22 16 00-0064 EA 6" x 8" Flanged Cast Iron Body Safety Relief Valve, Steam or Water.....	8,687.91	128.21
23 22 16 00-0065 Bronze Body Safety Valve, Threaded, Steam (23 22 16 00-0046)		
Note: Variable set points to 250 psig pressure, 400 Degree F temperature range. Valve also can be set for Air or Gas with variable set points to 300 psig pressure.		
23 22 16 00-0066 EA 3/4" x 3/4" Threaded Bronze Body Safety Relief Valve, Steam	235.89	15.33
23 22 16 00-0067 EA 3/4" x 1" Threaded Bronze Body Safety Relief Valve, Steam	244.14	16.71
23 22 16 00-0068 EA 1" x 1" Threaded Bronze Body Safety Relief Valve, Steam	282.85	18.39
23 22 16 00-0069 EA 1" x 1-1/4" Threaded Bronze Body Safety Relief Valve, Steam.....	311.06	19.78
23 22 16 00-0070 EA 1-1/4" x 1-1/4" Threaded Bronze Body Safety Relief Valve, Steam.....	358.42	22.29
23 22 16 00-0071 EA 1-1/4" x 1-1/2" Threaded Bronze Body Safety Relief Valve, Steam.....	366.81	25.07
23 22 16 00-0072 EA 1-1/2" x 1-1/2" Threaded Bronze Body Safety Relief Valve, Steam.....	408.29	26.47
23 22 16 00-0073 EA 1-1/2" x 2" Threaded Bronze Body Safety Relief Valve, Steam	442.52	27.86
23 22 16 00-0074 EA 2" x 2" Threaded Bronze Body Safety Relief Valve, Steam	596.00	31.20
23 22 16 00-0075 EA 2" x 2-1/2" Threaded Bronze Body Safety Relief Valve, Steam	651.77	34.27
23 22 16 00-0076 EA 2-1/2" x 2-1/2" Threaded Bronze Body Safety Relief Valve, Steam.....	773.05	39.00
23 22 16 00-0077 Bronze Body Safety Valve, Threaded, Water (23 22 16 00-0046)		
Note: Variable set points to 160 psig pressure, 250 Degree F temperature range.		
23 22 16 00-0078 EA 3/4" x 3/4" Threaded Bronze Body Safety Relief Valve, Water	130.97	15.33
23 22 16 00-0079 EA 3/4" x 1" Threaded Bronze Body Safety Relief Valve, Water	147.42	16.71
23 22 16 00-0080 EA 1" x 1" Threaded Bronze Body Safety Relief Valve, Water.....	192.48	18.39
23 22 16 00-0081 EA 1" x 1-1/4" Threaded Bronze Body Safety Relief Valve, Water.....	210.79	19.78
23 22 16 00-0082 EA 1-1/4" x 1-1/4" Threaded Bronze Body Safety Relief Valve, Water.....	289.35	22.29
23 22 16 00-0083 EA 1-1/2" x 1-1/2" Threaded Bronze Body Safety Relief Valve, Water.....	381.47	26.47
23 22 16 00-0084 EA 2" x 2" Threaded Bronze Body Safety Relief Valve, Water.....	538.23	31.20
23 22 16 00-0085 Steam Traps (23 22 16)		
23 22 16 00-0086 Inverted Bucket Steam Traps (23 22 16 00-0085)		
23 22 16 00-0087 EA 1/2" 250 PSI Inverted Bucket Cast Iron Steam Trap.....	228.31	33.44
For Work In Restricted Working Space, Add	20.06	
23 22 16 00-0088 EA 3/4" 250 PSI Inverted Bucket Cast Iron Steam Trap.....	231.09	34.83
For Work In Restricted Working Space, Add	20.90	
23 22 16 00-0089 EA 1" 250 PSI Inverted Bucket Cast Iron Steam Trap.....	334.17	37.11
For Work In Restricted Working Space, Add	22.29	
23 22 16 00-0090 EA 1-1/4" 250 PSI Inverted Bucket Cast Iron Steam Trap.....	534.43	50.66
For Work In Restricted Working Space, Add	30.40	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 22 16 00-0091 EA 1-1/2" 250 PSI Inverted Bucket Cast Iron Steam Trap..... <i>For Work In Restricted Working Space, Add</i>	786.89 37.15	62.43
23 22 16 00-0092 EA 2" 250 PSI Inverted Bucket Cast Iron Steam Trap..... <i>For Work In Restricted Working Space, Add</i>	1,013.11 55.73	92.88
23 22 16 00-0093 Float And Thermostatic Steam Traps (23 22 16 00-0085)		
23 22 16 00-0094 EA 3/4" 15 PSI Maximum Pressure Float And Thermostatic Steam Trap <i>For Work In Restricted Working Space, Add</i>	240.99 20.90	34.83
23 22 16 00-0095 EA 1" 15 PSI Maximum Pressure Float And Thermostatic Steam Trap <i>For Work In Restricted Working Space, Add</i>	311.85 22.29	37.15
23 22 16 00-0096 EA 1-1/4" 15 PSI Maximum Pressure Float And Thermostatic Steam Trap <i>For Work In Restricted Working Space, Add</i>	388.75 30.40	50.66
23 22 16 00-0097 EA 1-1/2" 15 PSI Maximum Pressure Float And Thermostatic Steam Trap <i>For Work In Restricted Working Space, Add</i>	521.52 37.16	61.92
23 22 16 00-0098 EA 2" 15 PSI Maximum Pressure Float And Thermostatic Steam Trap <i>For Work In Restricted Working Space, Add</i>	940.42 55.73	92.85
23 22 16 00-0099 EA 3/4" 30 PSI Maximum Pressure Float And Thermostatic Steam Trap <i>For Work In Restricted Working Space, Add</i>	300.65 20.90	34.83
23 22 16 00-0100 EA 1" 30 PSI Maximum Pressure Float And Thermostatic Steam Trap <i>For Work In Restricted Working Space, Add</i>	326.29 22.29	37.11
23 22 16 00-0101 EA 1-1/4" 30 PSI Maximum Pressure Float And Thermostatic Steam Trap <i>For Work In Restricted Working Space, Add</i>	428.12 30.40	50.66
23 22 16 00-0102 EA 1-1/2" 30 PSI Maximum Pressure Float And Thermostatic Steam Trap <i>For Work In Restricted Working Space, Add</i>	608.14 37.16	61.86
23 22 16 00-0103 EA 2" 30 PSI Maximum Pressure Float And Thermostatic Steam Trap <i>For Work In Restricted Working Space, Add</i>	1,028.36 55.73	92.88
23 22 16 00-0104 EA 3/4" 75 PSI Maximum Pressure Float And Thermostatic Steam Trap <i>For Work In Restricted Working Space, Add</i>	383.33 20.90	34.83
23 22 16 00-0105 EA 1" 75 PSI Maximum Pressure Float And Thermostatic Steam Trap <i>For Work In Restricted Working Space, Add</i>	426.04 22.29	37.15
23 22 16 00-0106 EA 1-1/4" 75 PSI Maximum Pressure Float And Thermostatic Steam Trap <i>For Work In Restricted Working Space, Add</i>	644.68 30.40	50.66
23 22 16 00-0107 EA 1-1/2" 75 PSI Maximum Pressure Float And Thermostatic Steam Trap <i>For Work In Restricted Working Space, Add</i>	667.21 37.16	61.86
23 22 16 00-0108 EA 2" 75 PSI Maximum Pressure Float And Thermostatic Steam Trap <i>For Work In Restricted Working Space, Add</i>	1,276.40 55.73	92.88
23 22 16 00-0109 EA 3/4" 150 PSI Maximum Pressure Float And Thermostatic Steam Trap <i>For Work In Restricted Working Space, Add</i>	388.58 20.90	34.83
23 22 16 00-0110 EA 1" 150 PSI Maximum Pressure Float And Thermostatic Steam Trap <i>For Work In Restricted Working Space, Add</i>	426.04 22.29	37.15
23 22 16 00-0111 EA 1-1/4" 150 PSI Max Pressure Float And Thermostatic Steam Trap <i>For Work In Restricted Working Space, Add</i>	644.68 30.40	50.66
23 22 16 00-0112 EA 1-1/2" 150 PSI Max Pressure Float And Thermostatic Steam Trap <i>For Work In Restricted Working Space, Add</i>	667.21 37.16	61.86
23 22 16 00-0113 EA 2" 150 PSI Maximum Pressure Float And Thermostatic Steam Trap <i>For Work In Restricted Working Space, Add</i>	1,276.40 55.73	92.88
23 22 16 00-0114 Thermostatic Steam Traps (23 22 16 00-0085)		
23 22 16 00-0115 EA 1/2" 25 PSI Maximum Pressure Thermostatic Steam Trap..... <i>For Work In Restricted Working Space, Add</i>	127.77 20.06	33.44
23 22 16 00-0116 EA 3/4" 25 PSI Maximum Pressure Thermostatic Steam Trap..... <i>For Work In Restricted Working Space, Add</i>	199.58 20.90	34.83
23 22 16 00-0117 EA 1" 25 PSI Maximum Pressure Thermostatic Steam Trap..... <i>For Work In Restricted Working Space, Add</i>	242.61 22.30	37.11
23 22 16 00-0118 Thermodynamic Steam Traps (23 22 16 00-0085)		
23 22 16 00-0119 EA 3/8" 600 PSI Maximum Pressure Thermodynamic Steam Trap.....	254.39	30.10
23 22 16 00-0120 EA 1/2" 600 PSI Maximum Pressure Thermodynamic Steam Trap.....	352.99	33.44
23 22 16 00-0121 EA 3/4" 600 PSI Maximum Pressure Thermodynamic Steam Trap.....	433.20	34.83
23 22 16 00-0122 EA 1" 600 PSI Maximum Pressure Thermodynamic Steam Trap.....	574.34	37.11
23 22 16 00-0123 Steam Moisture Separator (23 22 16 00-0085)		
23 22 16 00-0124 EA 1/2" Steam Moisture Separator, Threaded Spirax Sarco S1.....	306.67	55.73
23 22 16 00-0125 EA 3/4" Steam Moisture Separator, Threaded Spirax Sarco S1.....	354.60	75.24
23 22 16 00-0126 EA 1" Steam Moisture Separator, Threaded	419.01	84.71
23 22 16 00-0127 EA 1-1/2" Steam Moisture Separator, Threaded	504.66	96.98
23 22 16 00-0128 EA 2" Steam Moisture Separator, Flanged.....	777.35	148.63
23 22 16 00-0129 EA 2-1/2" Steam Moisture Separator, Flanged.....	951.39	178.35
23 22 16 00-0130 EA 3" Steam Moisture Separator, Flanged.....	1,251.41	222.93
23 22 16 00-0131 EA 4" Steam Moisture Separator, Flanged.....	1,917.33	297.06
23 22 16 00-0132 EA 6" Steam Moisture Separator, Flanged.....	3,707.76	393.47
23 22 16 00-0133 Steam/Condensate Meter (23 22 16)		
Note: Meter shall be of the rotary volumetric type and sized on the maximum estimated steam demand.		

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 20 HVAC Piping And Pumps****23 22 Steam And Condensate Piping And Pumps**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 22 16 00-0134 EA 1" Steam/Condensate Meter.....	3,489.10	61.53
For Steam Meter Pressure-Compensated Counter, Add	1,220.00	
For Contactor Used For Dial Counter, Add	567.00	
For Wall Or Panel Mounted Remote Totalizer With Contactor, Add	905.00	
For Direct Reading Pressure Gauge, Add	79.82	
For Direct Reading Thermometer, Stainless Steel Case With Trim, Add	64.52	
23 22 16 00-0135 EA 2" Steam/Condensate Meter.....	3,938.83	72.31
For Steam Meter Pressure-Compensated Counter, Add	1,220.00	
For Contactor Used For Dial Counter, Add	567.00	
For Wall Or Panel Mounted Remote Totalizer With Contactor, Add	905.00	
For Direct Reading Pressure Gauge, Add	79.82	
For Direct Reading Thermometer, Stainless Steel Case With Trim, Add	64.52	
23 22 16 00-0136 EA 2-1/2" Steam/Condensate Meter.....	4,187.80	89.74
For Steam Meter Pressure-Compensated Counter, Add	1,220.00	
For Contactor Used For Dial Counter, Add	567.00	
For Wall Or Panel Mounted Remote Totalizer With Contactor, Add	905.00	
For Direct Reading Pressure Gauge, Add	79.82	
For Direct Reading Thermometer, Stainless Steel Case With Trim, Add	64.52	
23 22 16 00-0137 EA 3" Steam/Condensate Meter.....	4,458.30	117.95
For Steam Meter Pressure-Compensated Counter, Add	1,220.00	
For Contactor Used For Dial Counter, Add	567.00	
For Wall Or Panel Mounted Remote Totalizer With Contactor, Add	905.00	
For Direct Reading Pressure Gauge, Add	79.82	
For Direct Reading Thermometer, Stainless Steel Case With Trim, Add	64.52	
23 22 16 00-0138 EA 4" Steam/Condensate Meter.....	4,976.10	138.97
For Steam Meter Pressure-Compensated Counter, Add	1,220.00	
For Contactor Used For Dial Counter, Add	567.00	
For Wall Or Panel Mounted Remote Totalizer With Contactor, Add	905.00	
For Direct Reading Pressure Gauge, Add	79.82	
For Direct Reading Thermometer, Stainless Steel Case With Trim, Add	64.52	
23 22 16 00-0139 EA 6" Steam/Condensate Meter.....	9,860.23	856.39
For Steam Meter Pressure-Compensated Counter, Add	1,220.00	
For Contactor Used For Dial Counter, Add	567.00	
For Wall Or Panel Mounted Remote Totalizer With Contactor, Add	905.00	
For Direct Reading Pressure Gauge, Add	79.82	
For Direct Reading Thermometer, Stainless Steel Case With Trim, Add	64.52	
23 22 16 00-0140 EA 8" Steam/Condensate Meter.....	10,189.34	907.98
For Steam Meter Pressure-Compensated Counter, Add	1,220.00	
For Contactor Used For Dial Counter, Add	567.00	
For Wall Or Panel Mounted Remote Totalizer With Contactor, Add	905.00	
For Direct Reading Pressure Gauge, Add	79.82	
For Direct Reading Thermometer, Stainless Steel Case With Trim, Add	64.52	
23 22 16 00-0141 EA 10" Steam/Condensate Meter.....	10,592.47	948.91
For Steam Meter Pressure-Compensated Counter, Add	1,220.00	
For Contactor Used For Dial Counter, Add	567.00	
For Wall Or Panel Mounted Remote Totalizer With Contactor, Add	905.00	
For Direct Reading Pressure Gauge, Add	79.82	
For Direct Reading Thermometer, Stainless Steel Case With Trim, Add	64.52	
23 22 16 00-0142 EA 12" Steam/Condensate Meter.....	11,060.04	1,010.24
For Steam Meter Pressure-Compensated Counter, Add	1,220.00	
For Contactor Used For Dial Counter, Add	567.00	
For Wall Or Panel Mounted Remote Totalizer With Contactor, Add	905.00	
For Direct Reading Pressure Gauge, Add	79.82	
For Direct Reading Thermometer, Stainless Steel Case With Trim, Add	64.52	
23 22 16 00-0143 EA 14" Steam/Condensate Meter.....	11,758.10	1,097.62
For Steam Meter Pressure-Compensated Counter, Add	1,220.00	
For Contactor Used For Dial Counter, Add	567.00	
For Wall Or Panel Mounted Remote Totalizer With Contactor, Add	905.00	
For Direct Reading Pressure Gauge, Add	79.82	
For Direct Reading Thermometer, Stainless Steel Case With Trim, Add	64.52	
23 22 16 00-0144 EA 16" Steam/Condensate Meter.....	12,137.33	1,138.55
For Steam Meter Pressure-Compensated Counter, Add	1,220.00	
For Contactor Used For Dial Counter, Add	567.00	
For Wall Or Panel Mounted Remote Totalizer With Contactor, Add	905.00	
For Direct Reading Pressure Gauge, Add	79.82	
For Direct Reading Thermometer, Stainless Steel Case With Trim, Add	64.52	

23 22 23 Steam Condensate Pumps (23 22)**23 22 23 13 Electric-Driven Steam Condensate Pumps (23 22 23)**

23 22 23 13-0001 Simplex Condensate Pumps And Motors (23 22 23 13)
Note: Cast iron receiver, float switch.

23 22 23 13-0002 20 PSI Discharge Pressure (23 22 23 13-0001)

23 22 23 13-0003 EA 3 To 6 GPM Simplex Condensate Pump And 1/3 HP Motor With 6 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure	1,780.09	522.25
23 22 23 13-0004 EA 9 To 12 GPM Simplex Condensate Pump And 1/3 HP Motor With 13.5 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure	2,245.63	536.62
23 22 23 13-0005 EA 15 GPM Simplex Condensate Pump And 1/2 HP Motor With 13.5 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure	2,352.02	572.52
23 22 23 13-0006 EA 22.5 GPM Simplex Condensate Pump And 1/2 HP Motor With 21 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure	2,574.25	578.68
23 22 23 13-0007 EA 30 GPM Simplex Condensate Pump And 3/4 HP Motor With 36 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure	2,871.21	629.99



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST	
	23 22 23	13-0008	EA	37.5 GPM Simplex Condensate Pump And 3/4 HP Motor With 36 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure.....	4,130.21	629.99	
	23 22 23	13-0009	EA	45 GPM Simplex Condensate Pump And 1 HP Motor With 36 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure.....	4,208.90	673.07	
	23 22 23	13-0010	EA	60 GPM Simplex Condensate Pump And 1-1/2 HP Motor With 50 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure.....	5,098.07	703.85	
	23 22 23	13-0011	EA	75 GPM Simplex Condensate Pump And 2 HP Motor With 50 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure.....	5,157.24	734.64	
23 22 23	13-0012	30 PSI Discharge Pressure (23 22 23 13-0001)					
	23 22 23	13-0013	EA	3 To 6 GPM Simplex Condensate Pump And 1/2 HP Motor With 6 Gallon Cast Iron Receiver, Float Switch, 30 PSI Discharge Pressure.....	2,030.47	558.16	
	23 22 23	13-0014	EA	9 To 12 GPM Simplex Condensate Pump And 1/2 HP Motor With 13.5 Gallon Cast Iron Receiver, Float Switch, 30 PSI Discharge Pressure.....	2,598.02	572.52	
	23 22 23	13-0015	EA	15 GPM Simplex Condensate Pump And 3/4 HP Motor With 13.5 Gallon Cast Iron Receiver, Float Switch, 30 PSI Discharge Pressure.....	2,702.45	610.49	
	23 22 23	13-0016	EA	22.5 GPM Simplex Condensate Pump And 1 HP Motor With 21 Gallon Cast Iron Receiver, Float Switch, 30 PSI Discharge Pressure.....	3,111.38	659.73	
	23 22 23	13-0017	EA	30 To 37.5 GPM Simplex Condensate Pump And 1 HP Motor With 36 Gallon Cast Iron Receiver, Float Switch, 30 PSI Discharge Pressure.....	4,208.90	674.10	
	23 22 23	13-0018	EA	45 GPM Simplex Condensate Pump And 1-1/2 HP Motor With 36 Gallon Cast Iron Receiver, Float Switch, 30 PSI Discharge Pressure.....	4,326.81	697.70	
	23 22 23	13-0019	EA	60 GPM Simplex Condensate Pump And 2 HP Motor With 50 Gallon Cast Iron Receiver, Float Switch, 30 PSI Discharge Pressure.....	4,463.24	734.64	
	23 22 23	13-0020	EA	75 GPM Simplex Condensate Pump And 3 HP Motor With 50 Gallon Cast Iron Receiver, Float Switch, 30 PSI Discharge Pressure.....	5,156.07	781.83	
23 22 23	13-0021	40 PSI Discharge Pressure (23 22 23 13-0001)					
	23 22 23	13-0022	EA	3 To 6 GPM Simplex Condensate Pump And 1 HP Motor With 6 Gallon Cast Iron Receiver, Float Switch, 40 PSI Discharge Pressure.....	2,268.60	640.24	
	23 22 23	13-0023	EA	9 To 15 GPM Simplex Condensate Pump And 1 HP Motor With 13.5 Gallon Cast Iron Receiver, Float Switch, 40 PSI Discharge Pressure.....	2,821.14	691.54	
	23 22 23	13-0024	EA	22.5 GPM Simplex Condensate Pump And 1-1/2 HP Motor With 21 Gallon Cast Iron Receiver, Float Switch, 40 PSI Discharge Pressure.....	3,279.28	683.34	
	23 22 23	13-0025	EA	30 To 37.5 GPM Simplex Condensate Pump And 1-1/2 HP Motor With 36 Gallon Cast Iron Receiver, Float Switch, 40 PSI Discharge Pressure.....	4,306.81	697.70	
	23 22 23	13-0026	EA	45 GPM Simplex Condensate Pump And 2 HP Motor With 36 Gallon Cast Iron Receiver, Float Switch, 40 PSI Discharge Pressure.....	4,402.98	727.46	
	23 22 23	13-0027	EA	60 GPM Simplex Condensate Pump And 2 HP Motor With 50 Gallon Cast Iron Receiver, Float Switch, 40 PSI Discharge Pressure.....	5,157.24	734.64	
	23 22 23	13-0028	EA	75 GPM Simplex Condensate Pump And 3 HP Motor With 50 Gallon Cast Iron Receiver, Float Switch, 40 PSI Discharge Pressure.....	5,241.07	781.83	
23 22 23	13-0029	50 PSI Discharge Pressure (23 22 23 13-0001)					
	23 22 23	13-0030	EA	3 To 6 GPM Simplex Condensate Pump And 2 HP Motor With 6 Gallon Cast Iron Receiver, Float Switch, 50 PSI Discharge Pressure.....	4,116.68	693.60	
	23 22 23	13-0031	EA	9 To 15 GPM Simplex Condensate Pump And 2 HP Motor With 13.6 Gallon Cast Iron Receiver, Float Switch, 50 PSI Discharge Pressure.....	3,045.22	707.96	
	23 22 23	13-0032	EA	22.5 GPM Simplex Condensate Pump And 2 HP Motor With 21 Gallon Cast Iron Receiver, Float Switch, 50 PSI Discharge Pressure.....	3,468.46	713.09	
	23 22 23	13-0033	EA	30 To 45 GPM Simplex Condensate Pump And 3 HP Motor With 36 Gallon Cast Iron Receiver, Float Switch, 50 PSI Discharge Pressure.....	4,485.80	775.68	
	23 22 23	13-0034	EA	60 To 75 GPM Simplex Condensate Pump And 5 HP Motor With 50 Gallon Cast Iron Receiver, Float Switch, 50 PSI Discharge Pressure.....	6,957.14	836.21	
23 22 23	13-0035	Duplex Condensate Pumps And Motors (23 22 23 13)					
				Note: Cast iron receiver, float switch, alternator assembly.			
23 22 23	13-0036	20 PSI Discharge Pressure (23 22 23 13-0035)					
	23 22 23	13-0037	EA	9 To 12 GPM Duplex Condensate Pump And 1/3 HP Motor With 13.5 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure.....	2,886.94	700.78	
	23 22 23	13-0038	EA	15 GPM Duplex Condensate Pump And 1/2 HP Motor With 13.5 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure.....	3,067.57	769.52	
	23 22 23	13-0039	EA	22.5 GPM Duplex Condensate Pump And 1/2 HP Motor With 21 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure.....	3,331.80	775.68	
	23 22 23	13-0040	EA	30 GPM Duplex Condensate Pump And 3/4 HP Motor With 36 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure.....	3,716.48	845.44	
	23 22 23	13-0041	EA	37.5 GPM Duplex Condensate Pump And 3/4 HP Motor With 36 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure.....	5,075.48	845.44	
	23 22 23	13-0042	EA	45 GPM Duplex Condensate Pump And 1 HP Motor With 36 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure.....	5,188.00	911.12	
	23 22 23	13-0043	EA	60 GPM Duplex Condensate Pump And 1-1/2 HP Motor With 50 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure.....	6,105.57	951.12	
	23 22 23	13-0044	EA	75 GPM Duplex Condensate Pump And 2 HP Motor With 50 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure.....	6,264.38	998.32	
23 22 23	13-0045	30 PSI Discharge Pressure (23 22 23 13-0035)					

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 20 HVAC Piping And Pumps****23 22 Steam And Condensate Piping And Pumps**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 22 23 13-0046 EA 9 To 12 GPM Duplex Condensate Pump And 1/2 HP Motor With 13.5 Gallon Cast Iron Receiver, Float Switch, 30 PSI Discharge Pressure	3,693.02	755.15
23 22 23 13-0047 EA 15 GPM Duplex Condensate Pump And 3/4 HP Motor With 13.5 Gallon Cast Iron Receiver, Float Switch, 30 PSI Discharge Pressure	3,877.73	824.93
23 22 23 13-0048 EA 22.5 GPM Duplex Condensate Pump And 1 HP Motor With 21 Gallon Cast Iron Receiver, Float Switch, 30 PSI Discharge Pressure	4,286.48	804.40
23 22 23 13-0049 EA 30 To 37.5 GPM Duplex Condensate Pump And 1 HP Motor With 36 Gallon Cast Iron Receiver, Float Switch, 30 PSI Discharge Pressure	5,188.00	911.12
23 22 23 13-0050 EA 45 GPM Duplex Condensate Pump And 1-1/2 HP Motor With 36 Gallon Cast Iron Receiver, Float Switch, 30 PSI Discharge Pressure	5,338.31	944.97
23 22 23 13-0051 EA 60 GPM Duplex Condensate Pump And 2 HP Motor With 50 Gallon Cast Iron Receiver, Float Switch, 30 PSI Discharge Pressure	6,064.38	998.32
23 22 23 13-0052 EA 75 GPM Duplex Condensate Pump And 3 HP Motor With 50 Gallon Cast Iron Receiver, Float Switch, 30 PSI Discharge Pressure	6,372.12	1,070.15
23 22 23 13-0053 40 PSI Discharge Pressure (23 22 23 13-0035)		
23 22 23 13-0054 EA 9 To 15 GPM Duplex Condensate Pump And 1 HP Motor With 13.5 Gallon Cast Iron Receiver, Float Switch, 40 PSI Discharge Pressure	4,030.25	890.59
23 22 23 13-0055 EA 22.5 GPM Duplex Condensate Pump And 1-1/2 HP Motor With 21 Gallon Cast Iron Receiver, Float Switch, 40 PSI Discharge Pressure	4,434.78	930.61
23 22 23 13-0056 EA 30 To 37.5 GPM Duplex Condensate Pump And 1-1/2 HP Motor With 36 Gallon Cast Iron Receiver, Float Switch, 40 PSI Discharge Pressure	5,350.31	944.97
23 22 23 13-0057 EA 45 GPM Duplex Condensate Pump And 2 HP Motor With 36 Gallon Cast Iron Receiver, Float Switch, 40 PSI Discharge Pressure	5,510.14	992.17
23 22 23 13-0058 EA 60 GPM Duplex Condensate Pump And 2 HP Motor With 50 Gallon Cast Iron Receiver, Float Switch, 40 PSI Discharge Pressure	6,265.38	998.32
23 22 23 13-0059 EA 75 GPM Duplex Condensate Pump And 3 HP Motor With 50 Gallon Cast Iron Receiver, Float Switch, 40 PSI Discharge Pressure	6,396.12	1,070.15
23 22 23 13-0060 50 PSI Discharge Pressure (23 22 23 13-0035)		
23 22 23 13-0061 EA 9 To 15 GPM Duplex Condensate Pump And 2 HP Motor With 13.5 Gallon Cast Iron Receiver, Float Switch, 50 PSI Discharge Pressure	4,196.25	890.59
23 22 23 13-0062 EA 22.5 GPM Duplex Condensate Pump And 2 HP Motor With 21 Gallon Cast Iron Receiver, Float Switch, 50 PSI Discharge Pressure	4,534.61	978.83
23 22 23 13-0063 EA 30 To 45 GPM Duplex Condensate Pump And 3 HP Motor With 36 Gallon Cast Iron Receiver, Float Switch, 50 PSI Discharge Pressure	5,641.86	1,062.97
23 22 23 13-0064 EA 60 To 75 GPM Duplex Condensate Pump And 5 HP Motor With 50 Gallon Cast Iron Receiver, Float Switch, 50 PSI Discharge Pressure	9,590.24	1,151.21
23 23 Refrigerant Piping (23 20)		
23 23 13 Refrigerant Piping Valves (23 23)		
23 23 13 00-0001 Ball Valves (23 23 13)		
23 23 13 00-0002 Refrigeration Ball Valves, Sweat, 1400 Series (23 23 13 00-0001)		
23 23 13 00-0003 EA 3/8" Refrigeration Ball Valve, Sweated	38.59	11.14
23 23 13 00-0004 EA 1/2" Refrigeration Ball Valve, Sweated	40.38	11.14
23 23 13 00-0005 EA 5/8" Refrigeration Ball Valve, Sweated	46.87	11.14
23 23 13 00-0006 EA 7/8" Refrigeration Ball Valve, Sweated	62.94	12.26
23 23 13 00-0007 EA 1-1/8" Refrigeration Ball Valve, Sweated	82.68	13.93
23 23 13 00-0008 EA 1-5/8" Refrigeration Ball Valve, Sweated	128.83	17.16
23 23 13 00-0009 Shut-Off Valves (23 23 13)		
23 23 13 00-0010 Packless (23 23 13 00-0009)		
23 23 13 00-0011 EA 1/2" Refrigeration Valve, Packless	38.16	11.59
23 23 13 00-0012 EA 5/8" Refrigeration Valve, Packless	45.50	12.71
23 23 13 00-0013 EA 7/8" Refrigeration Valve, Packless	83.11	17.39
23 23 13 00-0014 Packed (23 23 13 00-0009)		
23 23 13 00-0015 EA 1-1/8" Refrigeration Valve, Packed	140.97	25.30
23 23 13 00-0016 EA 1 3/8" Refrigeration Valve, Packed	185.01	30.99
23 23 13 00-0017 EA 1-5/8" Refrigeration Valve, Packed	221.94	34.89
23 23 13 00-0018 EA 2-1/8" Refrigeration Valve, Packed	305.25	39.80
23 23 13 00-0019 EA 2-5/8" Refrigeration Valve, Packed	560.57	111.46
23 23 13 00-0020 EA 3-1/8" Refrigeration Valve, Packed	727.33	139.34
23 23 13 00-0021 EA 4-1/8" Refrigeration Valve, Packed	1,019.57	185.81
23 23 13 00-0022 Check Valves (23 23 13)		
23 23 13 00-0023 EA 5/8" Check Valve, Refrigeration	52.17	11.15
23 23 13 00-0024 EA 7/8" Check Valve, Refrigeration	125.94	12.26
23 23 13 00-0025 EA 1-1/8" Check Valve, Refrigeration	147.53	13.93
23 23 13 00-0026 EA 1 3/8" Check Valve, Refrigeration	195.88	14.83
23 23 13 00-0027 EA 1-5/8" Check Valve, Refrigeration	250.69	17.17
23 23 13 00-0028 EA 2-1/8" Check Valve, Refrigeration	356.35	20.29



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 23 13 00-0029 EA 2-5/8" Check Valve, Refrigeration.....	500.59	29.77
23 23 13 00-0030 EA 3-1/8" Check Valve, Refrigeration.....	647.67	39.01
23 23 13 00-0031 Solenoid Valves (2323 13)		
23 23 13 00-0032 Solenoid Valve, 24 Volt Coil (2323 13 00-0031)		
23 23 13 00-0033 EA 1/2" Solenoid Valve, Refrigeration.....	101.94	11.15
23 23 13 00-0034 EA 5/8" Solenoid Valve, Refrigeration.....	103.86	11.15
23 23 13 00-0035 EA 3/4" Solenoid Valve, Refrigeration.....	130.87	12.26
23 23 13 00-0036 EA 7/8" Solenoid Valve, Refrigeration.....	130.87	12.26
23 23 13 00-0037 EA 1-1/8" Solenoid Valve, Refrigeration.....	177.58	13.93
23 23 13 00-0038 EA 1 3/8" Solenoid Valve, Refrigeration.....	272.80	14.83
23 23 13 00-0039 EA 1-5/8" Solenoid Valve, Refrigeration.....	470.75	17.17
23 23 13 00-0040 EA 2-1/8" Solenoid Valve, Refrigeration.....	486.33	20.29
23 23 16 Refrigerant Piping Specialties (23 23)		
23 23 16 00-0001 Soft Refrigeration Copper Tubing (23 23 16)		
Note: Based on outside diameter. Nitrogenized.		
23 23 16 00-0002 LF 1/8" Outside Diameter Soft Refrigeration Copper Tubing.....	4.74	3.01
23 23 16 00-0003 LF 3/16" Outside Diameter Soft Refrigeration Copper Tubing.....	4.79	3.01
23 23 16 00-0004 LF 1/4" Outside Diameter Soft Refrigeration Copper Tubing.....	4.84	3.01
23 23 16 00-0005 LF 5/16" Outside Diameter Soft Refrigeration Copper Tubing.....	5.06	3.01
23 23 16 00-0006 LF 3/8" Outside Diameter Soft Refrigeration Copper Tubing.....	5.20	3.12
23 23 16 00-0007 LF 1/2" Outside Diameter Soft Refrigeration Copper Tubing.....	5.79	3.35
23 23 16 00-0008 LF 5/8" Outside Diameter Soft Refrigeration Copper Tubing.....	6.05	3.35
23 23 16 00-0009 LF 3/4" Outside Diameter Soft Refrigeration Copper Tubing.....	7.05	3.90
23 23 16 00-0010 LF 7/8" Outside Diameter Soft Refrigeration Copper Tubing.....	8.11	4.12
23 23 16 00-0011 LF 1-1/8" Outside Diameter Soft Refrigeration Copper Tubing.....	10.19	5.02
23 23 16 00-0012 LF 1-3/8" Outside Diameter Soft Refrigeration Copper Tubing.....	13.39	5.80
23 23 16 00-0013 LF 1-5/8" Outside Diameter Soft Refrigeration Copper Tubing.....	15.22	6.24
23 23 16 00-0014 Type L Drawn, ACR Copper Tubing (2323 16)		
Note: Nitrogenized.		
23 23 16 00-0015 LF 3/8" Outside Diameter Type L Drawn, ACR Copper Tubing.....	5.41	3.12
For Medical Applications "Oxygen Clean", Add		0.51
23 23 16 00-0016 LF 1/2" Outside Diameter Type L Drawn, ACR Copper Tubing.....	5.75	3.12
For Medical Applications "Oxygen Clean", Add		0.53
23 23 16 00-0017 LF 5/8" Outside Diameter Type L Drawn, ACR Copper Tubing.....	5.97	3.12
For Medical Applications "Oxygen Clean", Add		0.54
23 23 16 00-0018 LF 3/4" Outside Diameter Type L Drawn, ACR Copper Tubing.....	8.67	4.68
For Medical Applications "Oxygen Clean", Add		0.78
23 23 16 00-0019 LF 7/8" Outside Diameter Type L Drawn, ACR Copper Tubing.....	9.42	5.02
For Medical Applications "Oxygen Clean", Add		0.85
23 23 16 00-0020 LF 1-1/8" Outside Diameter Type L Drawn, ACR Copper Tubing.....	10.28	5.02
For Medical Applications "Oxygen Clean", Add		0.89
23 23 16 00-0021 LF 1-3/8" Outside Diameter Type L Drawn, ACR Copper Tubing.....	12.46	5.80
For Medical Applications "Oxygen Clean", Add		1.06
23 23 16 00-0022 LF 1-5/8" Outside Diameter Type L Drawn, ACR Copper Tubing.....	14.75	6.68
For Medical Applications "Oxygen Clean", Add		1.24
23 23 16 00-0023 LF 2-1/8" Outside Diameter Type L Drawn, ACR Copper Tubing.....	19.95	8.36
For Medical Applications "Oxygen Clean", Add		1.62
23 23 16 00-0024 LF 2-5/8" Outside Diameter Type L Drawn, ACR Copper Tubing.....	30.01	12.60
For Medical Applications "Oxygen Clean", Add		2.45
23 23 16 00-0025 LF 3-1/8" Outside Diameter Type L Drawn, ACR Copper Tubing.....	38.20	15.60
For Medical Applications "Oxygen Clean", Add		3.08
23 23 16 00-0026 LF 3-5/8" Outside Diameter Type L Drawn, ACR Copper Tubing.....	47.16	18.50
For Medical Applications "Oxygen Clean", Add		3.75
23 23 16 00-0027 LF 4-1/8" Outside Diameter Type L Drawn, ACR Copper Tubing.....	57.76	22.30
For Medical Applications "Oxygen Clean", Add		4.56
23 23 16 00-0028 Refrigeration Fittings (2323 16)		
23 23 16 00-0029 Brass Flare Fittings (23 23 16 00-0028)		
23 23 16 00-0030 Brass Flare Unions (2323 16 00-0029)		
23 23 16 00-0031 EA 3/8" Brass Flare Union.....	19.63	12.04
23 23 16 00-0032 EA 1/2" Brass Flare Union.....	19.63	12.04
23 23 16 00-0033 EA 5/8" Brass Flare Union.....	20.06	12.04
23 23 16 00-0034 90 Degree Elbow Brass Flare Unions (2323 16 00-0029)		
23 23 16 00-0035 EA 3/8" 90 Degree Brass Flare Elbow Union.....	19.89	12.04
23 23 16 00-0036 EA 1/2" 90 Degree Brass Flare Elbow Union.....	19.89	12.04
23 23 16 00-0037 EA 5/8" 90 Degree Brass Flare Elbow Union.....	21.32	12.04
23 23 16 00-0038 Brass Flare Tees (2323 16 00-0029)		
23 23 16 00-0039 EA 3/8" Brass Flare Tee.....	32.56	20.06

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 20 HVAC Piping And Pumps****23 23 Refrigerant Piping**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 23 16 00-0040 EA 1/2" Brass Flare Tee	33.20	20.06
23 23 16 00-0041 EA 5/8" Brass Flare Tee	36.68	20.06
23 23 16 00-0042 Male Connector, Half Brass Flare Unions (23 23 16 00-0029)		
23 23 16 00-0043 EA 3/8" Brass Flare Male Connector, Half Union	18.46	12.04
23 23 16 00-0044 EA 1/2" Brass Flare Male Connector, Half Union	18.88	12.04
23 23 16 00-0045 EA 5/8" Brass Flare Male Connector, Half Union	19.49	12.04
23 23 16 00-0046 Female Connector, Half Brass Flare Unions (23 23 16 00-0029)		
23 23 16 00-0047 EA 3/8" Brass Flare Female Connector, Half Union	19.01	12.04
23 23 16 00-0048 EA 1/2" Brass Flare Female Connector, Half Union	19.59	12.04
23 23 16 00-0049 EA 5/8" Brass Flare Female Connector, Half Union	19.59	12.04
23 23 16 00-0050 Long Forged Nuts (23 23 16 00-0029)		
23 23 16 00-0051 EA 3/8" Brass Long Forged Nut.....	18.72	12.04
23 23 16 00-0052 EA 1/2" Brass Long Forged Nut.....	18.88	12.04
23 23 16 00-0053 EA 5/8" Brass Long Forged Nut.....	20.74	12.04
23 23 16 00-0054 Short Forged Nuts (23 23 16 00-0029)		
23 23 16 00-0055 EA 3/8" Brass Short Forged Nut.....	18.48	12.04
23 23 16 00-0056 EA 1/2" Brass Short Forged Nut.....	18.86	12.04
23 23 16 00-0057 EA 5/8" Brass Short Forged Nut.....	18.94	12.04
23 23 16 00-0058 ACR Wrought Copper Fittings (23 23 16 00-0028)		
Note: Soldered.		
23 23 16 00-0059 ACR Wrought Copper Coupling (23 23 16 00-0058)		
Note: C x C		
23 23 16 00-0060 EA 1/4" ACR Wrought Copper Coupling.....	18.36	12.04
23 23 16 00-0061 EA 3/8" ACR Wrought Copper Coupling.....	18.29	12.04
23 23 16 00-0062 EA 1/2" ACR Wrought Copper Coupling.....	18.39	12.04
23 23 16 00-0063 EA 5/8" ACR Wrought Copper Coupling.....	19.27	12.60
23 23 16 00-0064 EA 3/4" ACR Wrought Copper Coupling.....	25.89	16.61
23 23 16 00-0065 EA 7/8" ACR Wrought Copper Coupling.....	26.23	17.06
23 23 16 00-0066 EA 1-1/8" ACR Wrought Copper Coupling.....	33.11	21.18
23 23 16 00-0067 EA 1-3/8" ACR Wrought Copper Coupling.....	45.91	28.98
23 23 16 00-0068 EA 1-5/8" ACR Wrought Copper Coupling.....	54.26	34.00
23 23 16 00-0069 EA 2-1/8" ACR Wrought Copper Coupling.....	67.16	41.24
23 23 16 00-0070 EA 2-5/8" ACR Wrought Copper Coupling.....	106.05	62.65
23 23 16 00-0071 EA 3-1/8" ACR Wrought Copper Coupling.....	140.11	82.37
23 23 16 00-0072 EA 4-1/8" ACR Wrought Copper Coupling.....	184.41	97.87
23 23 16 00-0073 ACR Wrought Copper Short Radius 90 Degree Elbows (23 23 16 00-0058)		
Note: C x C		
23 23 16 00-0074 EA 1/4" ACR Wrought Copper Short Radius 90 Degree Elbow.....	19.28	12.04
23 23 16 00-0075 EA 3/8" ACR Wrought Copper Short Radius 90 Degree Elbow.....	19.35	12.04
23 23 16 00-0076 EA 1/2" ACR Wrought Copper Short Radius 90 Degree Elbow.....	19.28	12.04
23 23 16 00-0077 EA 5/8" ACR Wrought Copper Short Radius 90 Degree Elbow.....	20.46	12.60
23 23 16 00-0078 EA 3/4" ACR Wrought Copper Short Radius 90 Degree Elbow.....	27.76	16.61
23 23 16 00-0079 EA 7/8" ACR Wrought Copper Short Radius 90 Degree Elbow.....	28.31	17.06
23 23 16 00-0080 EA 1-1/8" ACR Wrought Copper Short Radius 90 Degree Elbow.....	35.43	21.18
23 23 16 00-0081 EA 1 3/8" ACR Wrought Copper Short Radius 90 Degree Elbow.....	47.25	28.98
23 23 16 00-0082 EA 1-5/8" ACR Wrought Copper Short Radius 90 Degree Elbow.....	56.93	34.00
23 23 16 00-0083 EA 2-1/8" ACR Wrought Copper Short Radius 90 Degree Elbow.....	72.53	41.24
23 23 16 00-0084 EA 2-5/8" ACR Wrought Copper Short Radius 90 Degree Elbow.....	115.41	62.65
23 23 16 00-0085 EA 3-1/8" ACR Wrought Copper Short Radius 90 Degree Elbow.....	150.59	82.37
23 23 16 00-0086 EA 4-1/8" ACR Wrought Copper Short Radius 90 Degree Elbow.....	215.95	97.87
23 23 16 00-0087 ACR Wrought Copper Long Radius 90 Degree Elbows (23 23 16 00-0058)		
Note: C x C		
23 23 16 00-0088 EA 1/4" ACR Wrought Copper Long Radius 90 Degree Elbow	20.42	12.04
23 23 16 00-0089 EA 3/8" ACR Wrought Copper Long Radius 90 Degree Elbow	19.82	12.04
23 23 16 00-0090 EA 1/2" ACR Wrought Copper Long Radius 90 Degree Elbow	20.30	12.04
23 23 16 00-0091 EA 5/8" ACR Wrought Copper Long Radius 90 Degree Elbow	21.01	12.60
23 23 16 00-0092 EA 3/4" ACR Wrought Copper Long Radius 90 Degree Elbow	27.09	16.61
23 23 16 00-0093 EA 7/8" ACR Wrought Copper Long Radius 90 Degree Elbow	28.24	17.06
23 23 16 00-0094 EA 1-1/8" ACR Wrought Copper Long Radius 90 Degree Elbow	36.06	21.18
23 23 16 00-0095 EA 1-3/8" ACR Wrought Copper Long Radius 90 Degree Elbow	50.52	28.98
23 23 16 00-0096 EA 1-5/8" ACR Wrought Copper Long Radius 90 Degree Elbow	60.50	34.00
23 23 16 00-0097 EA 2-1/8" ACR Wrought Copper Long Radius 90 Degree Elbow	86.71	41.24
23 23 16 00-0098 EA 2-5/8" ACR Wrought Copper Long Radius 90 Degree Elbow	133.35	62.65
23 23 16 00-0099 EA 3-1/8" ACR Wrought Copper Long Radius 90 Degree Elbow	175.81	82.37
23 23 16 00-0100 EA 4-1/8" ACR Wrought Copper Long Radius 90 Degree Elbow	286.73	97.87



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
				23 23 16 00-0101 ACR Wrought Copper 45 Degree Elbow (23 23 16 00-0058)		
				Note: C x C		
				23 23 16 00-0102 EA 1/4" ACR Wrought Copper 45 Degree Elbow	21.26	12.04
				23 23 16 00-0103 EA 3/8" ACR Wrought Copper 45 Degree Elbow	20.42	12.04
				23 23 16 00-0104 EA 1/2" ACR Wrought Copper 45 Degree Elbow	20.07	12.04
				23 23 16 00-0105 EA 5/8" ACR Wrought Copper 45 Degree Elbow	19.77	12.60
				23 23 16 00-0106 EA 3/4" ACR Wrought Copper 45 Degree Elbow	28.65	16.61
				23 23 16 00-0107 EA 7/8" ACR Wrought Copper 45 Degree Elbow	27.01	17.06
				23 23 16 00-0108 EA 1-1/8" ACR Wrought Copper 45 Degree Elbow	35.42	21.18
				23 23 16 00-0109 EA 1-3/8" ACR Wrought Copper 45 Degree Elbow	48.43	28.98
				23 23 16 00-0110 EA 1-5/8" ACR Wrought Copper 45 Degree Elbow	57.00	34.00
				23 23 16 00-0111 EA 2-1/8" ACR Wrought Copper 45 Degree Elbow	71.75	41.24
				23 23 16 00-0112 EA 2-5/8" ACR Wrought Copper 45 Degree Elbow	115.15	62.65
				23 23 16 00-0113 EA 3-1/8" ACR Wrought Copper 45 Degree Elbow	153.22	82.37
				23 23 16 00-0114 EA 4-1/8" ACR Wrought Copper 45 Degree Elbow	209.94	97.87
				23 23 16 00-0115 ACR Wrought Copper Tee (23 23 16 00-0058)		
				Note: C x C x C		
				23 23 16 00-0116 EA 1/4" ACR Wrought Copper Tee	32.72	20.06
				23 23 16 00-0117 EA 3/8" ACR Wrought Copper Tee	32.87	20.06
				23 23 16 00-0118 EA 1/2" ACR Wrought Copper Tee	32.33	20.06
				23 23 16 00-0119 EA 5/8" ACR Wrought Copper Tee	38.63	25.30
				23 23 16 00-0120 EA 3/4" ACR Wrought Copper Tee	42.90	25.30
				23 23 16 00-0121 EA 7/8" ACR Wrought Copper Tee	40.33	25.63
				23 23 16 00-0122 EA 1-1/8" ACR Wrought Copper Tee	56.87	34.00
				23 23 16 00-0123 EA 1-3/8" ACR Wrought Copper Tee	69.67	41.24
				23 23 16 00-0124 EA 1-5/8" ACR Wrought Copper Tee	85.54	48.93
				23 23 16 00-0125 EA 2-1/8" ACR Wrought Copper Tee	116.81	65.21
				23 23 16 00-0126 EA 2-5/8" ACR Wrought Copper Tee	251.74	142.34
				23 23 16 00-0127 EA 3-1/8" ACR Wrought Copper Tee	289.75	156.50
				23 23 16 00-0128 EA 4-1/8" ACR Wrought Copper Tee	394.09	173.89
				23 23 16 00-0129 ACR Wrought Copper Male Adapter (23 23 16 00-0058)		
				Note: C x M		
				23 23 16 00-0130 EA 1/4" ACR Wrought Copper Male Adapter	22.09	12.04
				23 23 16 00-0131 EA 3/8" ACR Wrought Copper Male Adapter	23.42	12.04
				23 23 16 00-0132 EA 1/2" ACR Wrought Copper Male Adapter	21.21	12.04
				23 23 16 00-0133 ACR Wrought Copper Female Adapter (23 23 16 00-0058)		
				Note: C x F		
				23 23 16 00-0134 EA 1/4" ACR Wrought Copper Female Adapter	21.56	12.04
				23 23 16 00-0135 EA 3/8" ACR Wrought Copper Female Adapter	20.80	12.04
				23 23 16 00-0136 EA 1/2" ACR Wrought Copper Female Adapter	21.09	12.04
				23 23 16 00-0137 ACR Wrought Copper Cap (23 23 16 00-0058)		
				Note: C		
				23 23 16 00-0138 EA 1/4" ACR Wrought Copper Cap	12.62	8.02
				23 23 16 00-0139 EA 3/8" ACR Wrought Copper Cap	12.38	8.02
				23 23 16 00-0140 EA 1/2" ACR Wrought Copper Cap	12.62	8.02
				23 23 16 00-0141 ACR Wrought Copper P-Trap (23 23 16 00-0058)		
				23 23 16 00-0142 EA 5/8" ACR Wrought Copper P-Trap	51.87	10.26
				23 23 16 00-0143 EA 3/4" ACR Wrought Copper P-Trap	65.27	11.28
				23 23 16 00-0144 EA 7/8" ACR Wrought Copper P-Trap	64.28	11.28
				23 23 16 00-0145 EA 1-1/8" ACR Wrought Copper P-Trap	80.43	12.31
				23 23 16 00-0146 EA 1-3/8" ACR Wrought Copper P-Trap	135.45	12.31
				23 23 16 00-0147 EA 1-5/8" ACR Wrought Copper P-Trap	178.04	13.34
				23 23 16 00-0148 EA 2-1/8" ACR Wrought Copper P-Trap	277.66	14.36
				23 23 16 00-0149 Sight Glass With Moisture And Liquid Indicator, Solder Connection (23 23 16)		
				23 23 16 00-0150 EA 1/4" Outside Diameter Sight Glass With Moisture And Liquid Indicator, Solder Connection	45.28	15.39
				23 23 16 00-0151 EA 3/8" Outside Diameter Sight Glass With Moisture And Liquid Indicator, Solder Connection	54.54	18.46
				23 23 16 00-0152 EA 1/2" Outside Diameter Sight Glass With Moisture And Liquid Indicator, Solder Connection	65.29	22.57
				23 23 16 00-0153 EA 5/8" Outside Diameter Sight Glass With Moisture And Liquid Indicator, Solder Connection	72.81	25.66
				23 23 16 00-0154 EA 7/8" Outside Diameter Sight Glass With Moisture And Liquid Indicator, Solder Connection	95.89	32.84
				23 23 16 00-0155 EA 1-1/8" Outside Diameter Sight Glass With Moisture And Liquid Indicator, Solder Connection	113.09	40.02
				23 23 16 00-0156 EA 1-3/8" Outside Diameter Sight Glass With Moisture And Liquid Indicator, Solder Connection	161.54	47.20
				23 23 16 00-0157 EA 1-5/8" Outside Diameter Sight Glass With Moisture And Liquid Indicator, Solder Connection	205.23	64.64
				23 23 16 00-0158 EA 2-1/8" Outside Diameter Sight Glass With Moisture And Liquid Indicator, Solder Connection	253.25	80.03
				23 23 16 00-0159 Filter Driers, Solder Connections (23 23 16)		

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 20 HVAC Piping And Pumps****23 23 Refrigerant Piping**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 23 16 00-0160			Replaceable Core Type Filter Driers, Solder Connections <small>(23 23 16 00-0159)</small>		
23 23 16 00-0161	EA		5/8" Outside Diameter Replaceable Core Type Filter Drier, Solder Connections	317.08	9.23
23 23 16 00-0162	EA		7/8" Outside Diameter Replaceable Core Type Filter Drier, Solder Connections	334.85	11.28
23 23 16 00-0163	EA		1-1/8" Outside Diameter Replaceable Core Type Filter Drier, Solder Connections	431.09	11.28
23 23 16 00-0164	EA		1-3/8" Outside Diameter Replaceable Core Type Filter Drier, Solder Connections	445.59	12.31
23 23 16 00-0165	EA		1-5/8" Outside Diameter Replaceable Core Type Filter Drier, Solder Connections	509.34	13.34
23 23 16 00-0166	EA		2-1/8" Outside Diameter Replaceable Core Type Filter Drier, Solder Connections	597.95	14.36
23 23 16 00-0167	EA		2-5/8" Outside Diameter Replaceable Core Type Filter Drier, Solder Connections	703.66	15.39
23 23 16 00-0168	EA		3-1/8" Outside Diameter Replaceable Core Type Filter Drier, Solder Connections	878.77	15.39
23 23 16 00-0169			Sealed In-Line Filter Driers, Solder Connections <small>(23 23 16 00-0159)</small>		
23 23 16 00-0170	EA		1/4" Outside Diameter, 1/4 To 1 Ton, Sealed In-Line Filter Drier, Solder Connections.....	74.12	9.23
23 23 16 00-0171	EA		3/8" Outside Diameter, 1/2 To 2 Ton, Sealed In-Line Filter Drier, Solder Connections.....	94.78	9.23
23 23 16 00-0172	EA		1/2" Outside Diameter, 1 To 7 Ton, Sealed In-Line Filter Drier, Solder Connections.....	119.96	10.26
23 23 16 00-0173	EA		1/2" Outside Diameter, 2 To 7-1/2 Ton, Sealed In-Line Filter Drier, Solder Connections	136.66	10.26
23 23 16 00-0174	EA		5/8" Outside Diameter, 2 To 10 Ton, Sealed In-Line Filter Drier, Solder Connections.....	151.64	10.26
23 23 16 00-0175	EA		5/8" Outside Diameter, 4 To 8 Ton, Sealed In-Line Filter Drier, Solder Connections.....	165.84	10.26
23 23 16 00-0176	EA		7/8" Outside Diameter, 5 To 20 Ton, Sealed In-Line Filter Drier, Solder Connections.....	187.68	11.28
23 23 16 00-0177	EA		7/8" Outside Diameter, 7-1/2 To 20 Ton, Sealed In-Line Filter Drier, Solder Connections	243.97	11.28
23 23 16 00-0178	EA		1-1/8" Outside Diameter, 15 To 25 Ton, Sealed In-Line Filter Drier, Solder Connections	270.89	11.28
23 23 16 00-0179			Bi-Flow Filter Driers, Solder Connections <small>(23 23 16 00-0159)</small>		
23 23 16 00-0180	EA		1/4" Outside Diameter, 1 To 3-1/2 Ton, Bi-Flow Filter Drier, Solder Connections.....	91.75	9.23
23 23 16 00-0181	EA		3/8" Outside Diameter, 1 To 3-1/2 Ton, Bi-Flow Filter Drier, Solder Connections.....	107.32	9.23
23 23 16 00-0182	EA		1/2" Outside Diameter, 1 To 3-1/2 Ton, Bi-Flow Filter Drier, Solder Connections.....	130.23	10.26
23 23 16 00-0183	EA		3/8" Outside Diameter, 1 To 8 Ton, Bi-Flow Filter Drier, Solder Connections.....	112.30	9.23
23 23 16 00-0184	EA		1/2" Outside Diameter, 1 To 8 Ton, Bi-Flow Filter Drier, Solder Connections.....	140.49	10.26
23 23 16 00-0185	EA		5/8" Outside Diameter, 1 To 8 Ton, Bi-Flow Filter Drier, Solder Connections.....	167.60	10.26
23 23 16 00-0186			Refrigerant Compressor Discharge Mufflers <small>(23 23 16)</small>		
23 23 16 00-0187	EA		3/8" Outside Diameter, 2 Ton, Refrigerant Compressor Discharge Muffler.....	88.99	9.23
23 23 16 00-0188	EA		1/2" Outside Diameter, 3 Ton, Refrigerant Compressor Discharge Muffler.....	98.50	9.23
23 23 16 00-0189	EA		5/8" Outside Diameter, 5 Ton, Refrigerant Compressor Discharge Muffler.....	117.86	9.23
23 23 16 00-0190	EA		7/8" Outside Diameter, 7-1/2 To 10 Ton, Refrigerant Compressor Discharge Muffler	159.50	11.28
23 23 16 00-0191	EA		1-1/8" Outside Diameter, 10 To 15 Ton, Refrigerant Compressor Discharge Muffler	209.85	11.28
23 23 16 00-0192	EA		1-3/8" Outside Diameter, 15 To 25 Ton, Refrigerant Compressor Discharge Muffler	250.26	12.31
23 23 16 00-0193	EA		1-5/8" Outside Diameter, 25 To 50 Ton, Refrigerant Compressor Discharge Muffler	315.49	13.34
23 23 16 00-0194	EA		2-1/8" Outside Diameter, 50 To 75 Ton, Refrigerant Compressor Discharge Muffler	519.92	14.36
23 23 16 00-0195	EA		2-5/8" Outside Diameter, 75 To 100 Ton, Refrigerant Compressor Discharge Muffler	594.48	15.39
23 23 16 00-0196	EA		3-1/8" Outside Diameter, 100 To 125 Ton, Refrigerant Compressor Discharge Muffler	738.11	15.39
23 23 16 00-0197			Expansion Valves And Vibration Absorbers <small>(23 23 16)</small>		
23 23 16 00-0198			Thermostatic Expansion Valves <small>(23 23 16 00-0197)</small>		
			Note: Outside diameter pipe sizes. Sporlan TP-S.		
23 23 16 00-0199	EA		3/8" In x 5/8" Out, 1/2 To 3 Ton, Thermostatic Expansion Valve	162.89	9.23
23 23 16 00-0200	EA		1/2" In x 7/8" Out, 4 To 5 Ton, Thermostatic Expansion Valve	226.06	10.26
23 23 16 00-0201	EA		5/8" In x 7/8" Out, 6 To 8 Ton, Thermostatic Expansion Valve	362.73	10.26
23 23 16 00-0202	EA		7/8" In x 1-1/8" Out, 7 To 12 Ton, Thermostatic Expansion Valve	431.13	11.28
23 23 16 00-0203	EA		7/8" In x 1-3/8" Out, 15 To 20 Ton, Thermostatic Expansion Valve	482.44	11.28
23 23 16 00-0204			Electric Expansion Valves <small>(23 23 16 00-0197)</small>		
			Note: Sporlan SEI or SEH.		
23 23 16 00-0205	EA		1/2 To 11 Ton Electric Expansion Valve	314.41	12.82
			Note: Sporlan SEI.		
23 23 16 00-0206	EA		25 Ton Electric Expansion Valve	357.16	13.34
			Note: Sporlan SEI.		
23 23 16 00-0207	EA		50 Ton Electric Expansion Valve	400.08	13.85
			Note: Sporlan SEI.		
23 23 16 00-0208	EA		100 Ton Electric Expansion Valve	483.19	13.85
			Note: Sporlan SEH.		
23 23 16 00-0209	EA		175 Ton Electric Expansion Valve	540.02	14.36
			Note: Sporlan SEH.		
23 23 16 00-0210			Braided Stainless Steel Over Copper Vibration Absorber <small>(23 23 16 00-0197)</small>		
23 23 16 00-0211	EA		1/4" Outside Diameter Braided Stainless Steel Over Copper Vibration Absorber.....	43.64	13.34
23 23 16 00-0212	EA		3/8" Outside Diameter Braided Stainless Steel Over Copper Vibration Absorber.....	46.83	15.39
23 23 16 00-0213	EA		1/2" Outside Diameter Braided Stainless Steel Over Copper Vibration Absorber.....	59.73	19.49
23 23 16 00-0214	EA		5/8" Outside Diameter Braided Stainless Steel Over Copper Vibration Absorber.....	66.27	23.60
23 23 16 00-0215	EA		3/4" Outside Diameter Braided Stainless Steel Over Copper Vibration Absorber.....	79.03	28.73
23 23 16 00-0216	EA		7/8" Outside Diameter Braided Stainless Steel Over Copper Vibration Absorber.....	90.61	32.84
23 23 16 00-0217	EA		1-1/8" Outside Diameter Braided Stainless Steel Over Copper Vibration Absorber.....	129.72	12.31
23 23 16 00-0218	EA		1-3/8" Outside Diameter Braided Stainless Steel Over Copper Vibration Absorber.....	174.70	13.34
23 23 16 00-0219	EA		1-5/8" Outside Diameter Braided Stainless Steel Over Copper Vibration Absorber.....	211.97	13.34



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 23 16 00-0220 EA 2-1/8" Outside Diameter Braided Stainless Steel Over Copper Vibration Absorber	276.62	14.36
23 23 16 00-0221 EA 2-5/8" Outside Diameter Braided Stainless Steel Over Copper Vibration Absorber	450.82	15.39
23 23 16 00-0222 EA 3-1/8" Outside Diameter Braided Stainless Steel Over Copper Vibration Absorber	585.06	15.39
23 23 16 00-0223 Accumulator, Refrigerant Suction Line (23 23 16)		
23 23 16 00-0224 EA 3/4" Accumulator, Refrigeration Suction Line	144.34	46.68
23 23 16 00-0225 EA 7/8" Accumulator, Refrigeration Suction Line	196.46	64.12
23 23 16 00-0226 EA 1-1/8" Accumulator, Refrigeration Suction Line	242.39	85.46
23 23 16 00-0227 EA 1 3/8" Accumulator, Refrigeration Suction Line	325.47	102.60
23 23 16 00-0228 EA 1-5/8" Accumulator, Refrigeration Suction Line	436.76	128.26
23 23 16 00-0229 EA 2-1/8" Accumulator, Refrigeration Suction Line	642.60	171.04
23 23 16 00-0230 Special Chemicals/Component (23 23 16)		
23 23 16 00-0231 GAL Special Chemical, Inhibited Propylene Glycol, 100%	21.87	
23 23 16 00-0232 GAL Removal And Storage For Reuse Of Inhibited Propylene Glycol.....	7.96	
23 23 16 00-0233 GAL Special Chemical, Inhibited Ethylene Glycol, 100%.....	15.25	
23 23 16 00-0234 EA Internal Coil/Refrigerant Piping Flush	225.43	
Note: Up to 10 ton AC system.		
23 23 23 Refrigerants (23 23)		
23 23 23 00-0001 Refrigerant (23 23 23)		
23 23 23 00-0002 LB Refrigerant R-113	17.94	
23 23 23 00-0003 LB Refrigerant R-123	16.71	
23 23 23 00-0004 LB Refrigerant R-134A	6.30	
23 23 23 00-0005 LB Refrigerant R-404A	8.14	
23 23 23 00-0006 LB Refrigerant R-407C	7.82	
23 23 23 00-0007 LB Refrigerant R-408A	24.05	
23 23 23 00-0008 LB Refrigerant R-409A	26.36	
23 23 23 00-0009 LB Refrigerant R-410A	6.48	
23 23 23 00-0010 LB Refrigerant R-500	20.57	
23 23 23 00-0011 LB Refrigerant R-502	23.57	
23 23 23 00-0012 LB Refrigerant R-507	7.82	
23 25 HVAC Water Treatment (23 20)		
23 25 13 Water Treatment For Closed-Loop Hydronic Systems (23 25)		
23 25 13 00-0001 Polyethylene Chemical Storage Tanks (23 25 13)		
23 25 13 00-0002 EA 15 Gallon Chemical Storage Tank, Polyethylene.....	225.96	85.72
23 25 13 00-0003 Gas Chlorinator (23 25 13)		
23 25 13 00-0004 EA Gas Chlorinator, Wall Or Cylinder Mounted (10 PPD) With Metering Tube And Rate Valve Metering Tube Supply Indicator, Rate Valve, And Diffuser-Ejector Unit.....	1,114.29	390.02
<i>For Booster Pump, Add 436.77</i>		
23 25 13 00-0005 EA Gas Chlorinator, Wall Or Cylinder Mounted (25 PPD) With Metering Tube And Rate Valve Metering Tube Supply Indicator, Rate Valve, And Diffuser-Ejector Unit.....	1,273.06	445.73
<i>For Booster Pump, Add 499.26</i>		
23 25 13 00-0006 EA Gas Chlorinator, Wall Or Cylinder Mounted (50 PPD) With Metering Tube And Rate Valve Metering Tube Supply Indicator, Rate Valve, And Diffuser-Ejector Unit.....	1,751.02	337.64
<i>For Booster Pump, Add 609.83</i>		
23 25 13 00-0007 Bypass Shot Feeders (23 25 13)		
Note: Includes up to 4 ports (in, out, fill and drain). Excludes valves.		
23 25 13 00-0008 In Line Mount, 125 PSIG (23 25 13 00-0007)		
23 25 13 00-0009 EA 1.7 Gallon Bypass Shot Chemical Feeder In Line Mount, 125 PSIG	1,019.01	290.36
23 25 13 00-0010 Floor Mount, 175 PSIG (23 25 13 00-0007)		
23 25 13 00-0011 EA 5 Gallon Bypass Shot Chemical Feeder, Floor Mount, 175 PSIG.....	1,499.55	437.08
23 25 13 00-0012 EA 12 Gallon Bypass Shot Chemical Feeder, Floor Mount, 175 PSIG.....	1,977.39	578.68
23 25 13 00-0013 Floor Mount, 150 LB ASME Code (23 25 13 00-0007)		
23 25 13 00-0014 EA 5 Gallon Bypass Shot Chemical Feeder, Floor Mount, 150 LB ASME Code	1,499.55	437.08
23 25 13 00-0015 EA 10 Gallon Bypass Shot Chemical Feeder, Floor Mount, 150 LB ASME Code	1,977.39	578.68
23 25 13 00-0016 Floor Mount, 300 LB ASME Code (23 25 13 00-0007)		
23 25 13 00-0017 EA 5 Gallon Bypass Shot Chemical Feeder, Floor Mount, 300 LB ASME Code	1,866.79	437.08
23 25 13 00-0018 EA 10 Gallon Bypass Shot Chemical Feeder, Floor Mount, 300 LB ASME Code	2,358.70	578.68

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 25 HVAC Water Treatment**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST**23 30 HVAC Air Distribution** ⁽²³⁾**23 31 HVAC Ducts And Casings** ^(23 30)

Note: Excludes angle iron, threaded rod, anchor bolts or other external supporting devices other than normal sheet metal straps. See CSI section 05 12 23 00-0438 for angle iron, 23 05 29 00-0001 for threaded rod.

23 31 13 Metal Ducts ^(23 31)**23 31 13 13 Rectangular Metal Ducts** ^(23 31 13)**23 31 13 13-0001 Steel Sheet Metal Duct** ^(23 31 13 13)

Note: All field fabricated duct is assembled from flat duct sheets on site to fit to exact field conditions. Ductwork which is fabricated off site or snap-fitting duct is considered as shop fabricated.

23 31 13 13-0002 Galvanized Steel Sheet Metal Ductwork ^(23 31 13 13-0001)

Note: Ductwork poundage includes all fittings, transitions, collars, straps, support straps, etc. Pressure class 2" w.g. and less are considered low pressure/seal class C; pressure class 3" w.g. and less are considered medium pressure/seal class B; pressure class 4" w.g. and larger are considered high pressure/seal class A. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed. Field fabricated ductwork is fabricated by hand to fit unique designs and installed on site. SMACNA weight for ductwork LB/SF (surface areas) by gauge: 30 gauge - 0.656 LB/SF; 28 gauge - 0.781 LB/SF; 26 gauge - 0.906 LB/SF; 24 gauge - 1.156 LB/SF; 22 gauge - 1.406 LB/SF; 20 gauge - 1.656 LB/SF; 18 gauge - 2.156 LB/SF; 16 gauge - 2.656 LB/SF; Add 10% additional material for lappage. The gauge of sheet metal is determined by the dimensional opening. Use the following to determine the minimum gauge of low pressure rectangular sheet metal ductwork unless otherwise stated by owner or drawings. The largest dimension of duct governs the gauge: up to 12" - 26 gauge, 13" to 30" - 24 gauge, 31" to 54" - 22 gauge, 55" to 84" - 20 gauge, 85" and larger - 18 gauge. For fittings add the following equivalent lengths: 0.75' for duct end cap; 1.5' for tap-in; 2.5' for 45 degree elbows; 3' for 90 degree elbows, transition, taper, register box; 4' for 45 degree reducing elbow, offset, turning vanes installed in elbows; 5' for 90 degree reducing elbow, 135 degree angle gooseneck, boots; and 6' for transition/reducer.

23 31 13 13-0003	LB Sheet Metal Ductwork, Low Pressure, Field Fabricated, Galvanized, Field Assemble And Install	10.58	2.89
	For Flat Oval, Add	0.17	
	For Up To 200, Add	3.51	
	For >200 To 500, Add	2.18	
	For >500 To 1,000, Add	1.56	
	For >1,000 To 2,000, Add	0.88	
	For >2,000 To 5,000, Add	0.41	
	For Work In Restricted Working Space, Add	2.84	
23 31 13 13-0004	LB Sheet Metal Ductwork, Medium Pressure, Field Fabricated, Galvanized, Field Assemble And Install	12.07	3.37
	For Flat Oval, Add	0.18	
	For Up To 200, Add	3.98	
	For >200 To 500, Add	2.47	
	For >500 To 1,000, Add	1.77	
	For >1,000 To 2,000, Add	1.00	
	For >2,000 To 5,000, Add	0.47	
	For Work In Restricted Working Space, Add	3.27	
23 31 13 13-0005	LB Sheet Metal Ductwork, High Pressure, Field Fabricated, Galvanized, Field Assemble And Install	14.50	3.85
	For Flat Oval, Add	0.19	
	For Up To 200, Add	4.73	
	For >200 To 500, Add	2.93	
	For >500 To 1,000, Add	2.12	
	For >1,000 To 2,000, Add	1.20	
	For >2,000 To 5,000, Add	0.57	
	For Work In Restricted Working Space, Add	3.97	
23 31 13 13-0006	LB Sheet Metal Ductwork, Low Pressure, Shop Fabricated, Galvanized, Field Assemble And Install	6.55	2.89
	For Polyvinyl Chloride (PVC) Coated, Add	0.35	
	For Flat Oval, Add	0.26	
	For Up To 200, Add	2.48	
	For >200 To 500, Add	1.61	
	For >500 To 1,000, Add	1.04	
	For >1,000 To 2,000, Add	0.58	
	For >2,000 To 5,000, Add	0.24	
	For Work In Restricted Working Space, Add	1.45	
23 31 13 13-0007	LB Sheet Metal Ductwork, Medium Pressure, Shop Fabricated, Galvanized, Field Assemble And Install	7.57	3.37
	For Polyvinyl Chloride (PVC) Coated, Add	0.43	
	For Flat Oval, Add	0.32	
	For Up To 200, Add	2.91	
	For >200 To 500, Add	1.90	
	For >500 To 1,000, Add	1.21	
	For >1,000 To 2,000, Add	0.67	
	For >2,000 To 5,000, Add	0.28	
	For Work In Restricted Working Space, Add	1.63	
23 31 13 13-0008	LB Sheet Metal Ductwork, High Pressure, Shop Fabricated, Galvanized, Field Assemble And Install	9.19	3.85
	For Polyvinyl Chloride (PVC) Coated, Add	0.52	
	For Flat Oval, Add	0.39	
	For Up To 200, Add	3.54	
	For >200 To 500, Add	2.31	
	For >500 To 1,000, Add	1.47	
	For >1,000 To 2,000, Add	0.81	
	For >2,000 To 5,000, Add	0.34	
	For Work In Restricted Working Space, Add	1.97	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13	13	13-0009	Galvanized Steel Sheet Metal Ductwork By LF <small>(23 31 13 13-0001)</small>		
<small>Note: Ductwork includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed. For fittings add the following equivalent lengths: 0.75' for duct end cap; 1.5' for tap-in; 2.5' for 45 degree elbows; 3' for 90 degree elbows, transition, taper, register box; 4' for 45 degree reducing elbow, offset, turning vanes installed in elbows; 5' for 90 degree reducing elbow, 135 degree angle gooseneck, boots; and 6' for transition/reducer.</small>					
23 31 13	13	13-0010	30 Gauge Galvanized Steel Duct <small>(23 31 13 13-0009)</small>		
23 31 13	13	13-0011	LF 4" x 4", 30 Gauge Galvanized Steel Duct	6.31	2.79
			<i>For Flat Oval, Add</i>	0.25	
			<i>For Work In Restricted Working Space, Add</i>	1.39	
23 31 13	13	13-0012	LF 4" x 6", 30 Gauge Galvanized Steel Duct	7.88	3.48
			<i>For Flat Oval, Add</i>	0.31	
			<i>For Work In Restricted Working Space, Add</i>	1.74	
23 31 13	13	13-0013	LF 4" x 8", 30 Gauge Galvanized Steel Duct	9.46	4.18
			<i>For Flat Oval, Add</i>	0.38	
			<i>For Work In Restricted Working Space, Add</i>	2.09	
23 31 13	13	13-0014	LF 4" x 10", 30 Gauge Galvanized Steel Duct	11.03	4.87
			<i>For Flat Oval, Add</i>	0.44	
			<i>For Work In Restricted Working Space, Add</i>	2.44	
23 31 13	13	13-0015	LF 4" x 12", 30 Gauge Galvanized Steel Duct	12.62	5.56
			<i>For Flat Oval, Add</i>	0.50	
			<i>For Work In Restricted Working Space, Add</i>	2.78	
23 31 13	13	13-0016	LF 4" x 14", 30 Gauge Galvanized Steel Duct	14.17	6.26
			<i>For Flat Oval, Add</i>	0.56	
			<i>For Work In Restricted Working Space, Add</i>	3.13	
23 31 13	13	13-0017	LF 4" x 16", 30 Gauge Galvanized Steel Duct	15.75	6.96
			<i>For Flat Oval, Add</i>	0.62	
			<i>For Work In Restricted Working Space, Add</i>	3.48	
23 31 13	13	13-0018	LF 6" x 6", 30 Gauge Galvanized Steel Duct	9.46	4.18
			<i>For Flat Oval, Add</i>	0.38	
			<i>For Work In Restricted Working Space, Add</i>	2.09	
23 31 13	13	13-0019	LF 6" x 8", 30 Gauge Galvanized Steel Duct	11.03	4.87
			<i>For Flat Oval, Add</i>	0.44	
			<i>For Work In Restricted Working Space, Add</i>	2.44	
23 31 13	13	13-0020	LF 6" x 10", 30 Gauge Galvanized Steel Duct	12.62	5.56
			<i>For Flat Oval, Add</i>	0.50	
			<i>For Work In Restricted Working Space, Add</i>	2.78	
23 31 13	13	13-0021	LF 6" x 12", 30 Gauge Galvanized Steel Duct	14.17	6.26
			<i>For Flat Oval, Add</i>	0.56	
			<i>For Work In Restricted Working Space, Add</i>	3.13	
23 31 13	13	13-0022	LF 6" x 14", 30 Gauge Galvanized Steel Duct	15.75	6.96
			<i>For Flat Oval, Add</i>	0.62	
			<i>For Work In Restricted Working Space, Add</i>	3.48	
23 31 13	13	13-0023	LF 6" x 16", 30 Gauge Galvanized Steel Duct	17.34	7.66
			<i>For Flat Oval, Add</i>	0.69	
			<i>For Work In Restricted Working Space, Add</i>	3.83	
23 31 13	13	13-0024	LF 8" x 8", 30 Gauge Galvanized Steel Duct	12.62	5.56
			<i>For Flat Oval, Add</i>	0.50	
			<i>For Work In Restricted Working Space, Add</i>	2.78	
23 31 13	13	13-0025	LF 8" x 10", 30 Gauge Galvanized Steel Duct	14.17	6.26
			<i>For Flat Oval, Add</i>	0.56	
			<i>For Work In Restricted Working Space, Add</i>	3.13	
23 31 13	13	13-0026	LF 8" x 12", 30 Gauge Galvanized Steel Duct	15.75	6.96
			<i>For Flat Oval, Add</i>	0.62	
			<i>For Work In Restricted Working Space, Add</i>	3.48	
23 31 13	13	13-0027	LF 8" x 14", 30 Gauge Galvanized Steel Duct	17.34	7.66
			<i>For Flat Oval, Add</i>	0.69	
			<i>For Work In Restricted Working Space, Add</i>	3.83	
23 31 13	13	13-0028	LF 8" x 16", 30 Gauge Galvanized Steel Duct	18.90	8.35
			<i>For Flat Oval, Add</i>	0.75	
			<i>For Work In Restricted Working Space, Add</i>	4.18	
23 31 13	13	13-0029	LF 8" x 18", 30 Gauge Galvanized Steel Duct	20.48	9.05
			<i>For Flat Oval, Add</i>	0.81	
			<i>For Work In Restricted Working Space, Add</i>	4.52	
23 31 13	13	13-0030	LF 8" x 20", 30 Gauge Galvanized Steel Duct	22.06	9.74
			<i>For Flat Oval, Add</i>	0.87	
			<i>For Work In Restricted Working Space, Add</i>	4.87	
23 31 13	13	13-0031	LF 8" x 22", 30 Gauge Galvanized Steel Duct	23.65	10.43
			<i>For Flat Oval, Add</i>	0.94	
			<i>For Work In Restricted Working Space, Add</i>	5.22	
23 31 13	13	13-0032	LF 8" x 24", 30 Gauge Galvanized Steel Duct	25.20	11.13
			<i>For Flat Oval, Add</i>	1.00	
			<i>For Work In Restricted Working Space, Add</i>	5.57	
23 31 13	13	13-0033	LF 10" x 10", 30 Gauge Galvanized Steel Duct	15.75	6.96
			<i>For Flat Oval, Add</i>	0.62	
			<i>For Work In Restricted Working Space, Add</i>	3.48	
23 31 13	13	13-0034	LF 10" x 12", 30 Gauge Galvanized Steel Duct	17.34	7.66
			<i>For Flat Oval, Add</i>	0.69	
			<i>For Work In Restricted Working Space, Add</i>	3.83	
23 31 13	13	13-0035	LF 10" x 14", 30 Gauge Galvanized Steel Duct	18.90	8.35
			<i>For Flat Oval, Add</i>	0.75	
			<i>For Work In Restricted Working Space, Add</i>	4.18	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 31 HVAC Ducts And Casings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13	13-0036	LF	10" x 16", 30 Gauge Galvanized Steel Duct	20.48	9.05
			<i>For Flat Oval, Add</i>	0.81	
			<i>For Work In Restricted Working Space, Add</i>	4.52	
23 31 13	13-0037	LF	10" x 18", 30 Gauge Galvanized Steel Duct	22.06	9.74
			<i>For Flat Oval, Add</i>	0.87	
			<i>For Work In Restricted Working Space, Add</i>	4.87	
23 31 13	13-0038	LF	10" x 20", 30 Gauge Galvanized Steel Duct	23.65	10.43
			<i>For Flat Oval, Add</i>	0.94	
			<i>For Work In Restricted Working Space, Add</i>	5.22	
23 31 13	13-0039	LF	10" x 22", 30 Gauge Galvanized Steel Duct	25.20	11.13
			<i>For Flat Oval, Add</i>	1.00	
			<i>For Work In Restricted Working Space, Add</i>	5.57	
23 31 13	13-0040	LF	10" x 24", 30 Gauge Galvanized Steel Duct	26.79	11.83
			<i>For Flat Oval, Add</i>	1.06	
			<i>For Work In Restricted Working Space, Add</i>	5.91	
23 31 13	13-0041	LF	12" x 12", 30 Gauge Galvanized Steel Duct	18.90	8.35
			<i>For Flat Oval, Add</i>	0.75	
			<i>For Work In Restricted Working Space, Add</i>	4.18	
23 31 13	13-0042	LF	12" x 14", 30 Gauge Galvanized Steel Duct	20.48	9.05
			<i>For Flat Oval, Add</i>	0.81	
			<i>For Work In Restricted Working Space, Add</i>	4.52	
23 31 13	13-0043	LF	12" x 16", 30 Gauge Galvanized Steel Duct	22.06	9.74
			<i>For Flat Oval, Add</i>	0.87	
			<i>For Work In Restricted Working Space, Add</i>	4.87	
23 31 13	13-0044	LF	12" x 18", 30 Gauge Galvanized Steel Duct	23.65	10.43
			<i>For Flat Oval, Add</i>	0.94	
			<i>For Work In Restricted Working Space, Add</i>	5.22	
23 31 13	13-0045	LF	12" x 20", 30 Gauge Galvanized Steel Duct	25.20	11.13
			<i>For Flat Oval, Add</i>	1.00	
			<i>For Work In Restricted Working Space, Add</i>	5.57	
23 31 13	13-0046	LF	12" x 22", 30 Gauge Galvanized Steel Duct	26.79	11.83
			<i>For Flat Oval, Add</i>	1.06	
			<i>For Work In Restricted Working Space, Add</i>	5.91	
23 31 13	13-0047	LF	12" x 24", 30 Gauge Galvanized Steel Duct	28.37	12.53
			<i>For Flat Oval, Add</i>	1.12	
			<i>For Work In Restricted Working Space, Add</i>	6.26	
23 31 13	13-0048	LF	14" x 14", 30 Gauge Galvanized Steel Duct	22.06	9.74
			<i>For Flat Oval, Add</i>	0.87	
			<i>For Work In Restricted Working Space, Add</i>	4.87	
23 31 13	13-0049	LF	14" x 16", 30 Gauge Galvanized Steel Duct	23.65	10.43
			<i>For Flat Oval, Add</i>	0.94	
			<i>For Work In Restricted Working Space, Add</i>	5.22	
23 31 13	13-0050	LF	14" x 18", 30 Gauge Galvanized Steel Duct	25.20	11.13
			<i>For Flat Oval, Add</i>	1.00	
			<i>For Work In Restricted Working Space, Add</i>	5.57	
23 31 13	13-0051	LF	14" x 20", 30 Gauge Galvanized Steel Duct	26.79	11.83
			<i>For Flat Oval, Add</i>	1.06	
			<i>For Work In Restricted Working Space, Add</i>	5.91	
23 31 13	13-0052	LF	14" x 22", 30 Gauge Galvanized Steel Duct	28.37	12.53
			<i>For Flat Oval, Add</i>	1.12	
			<i>For Work In Restricted Working Space, Add</i>	6.26	
23 31 13	13-0053	LF	14" x 24", 30 Gauge Galvanized Steel Duct	29.95	13.22
			<i>For Flat Oval, Add</i>	1.19	
			<i>For Work In Restricted Working Space, Add</i>	6.61	
23 31 13	13-0054	LF	16" x 16", 30 Gauge Galvanized Steel Duct	25.20	11.13
			<i>For Flat Oval, Add</i>	1.00	
			<i>For Work In Restricted Working Space, Add</i>	5.57	
23 31 13	13-0055	LF	16" x 18", 30 Gauge Galvanized Steel Duct	26.79	11.83
			<i>For Flat Oval, Add</i>	1.06	
			<i>For Work In Restricted Working Space, Add</i>	5.91	
23 31 13	13-0056	LF	16" x 20", 30 Gauge Galvanized Steel Duct	28.37	12.53
			<i>For Flat Oval, Add</i>	1.12	
			<i>For Work In Restricted Working Space, Add</i>	6.26	
23 31 13	13-0057	LF	16" x 22", 30 Gauge Galvanized Steel Duct	29.95	13.22
			<i>For Flat Oval, Add</i>	1.19	
			<i>For Work In Restricted Working Space, Add</i>	6.61	
23 31 13	13-0058	LF	16" x 24", 30 Gauge Galvanized Steel Duct	31.51	13.92
			<i>For Flat Oval, Add</i>	1.25	
			<i>For Work In Restricted Working Space, Add</i>	6.96	
23 31 13	13-0059	LF	18" x 18", 30 Gauge Galvanized Steel Duct	28.37	12.53
			<i>For Flat Oval, Add</i>	1.12	
			<i>For Work In Restricted Working Space, Add</i>	6.26	
23 31 13	13-0060	LF	18" x 20", 30 Gauge Galvanized Steel Duct	29.95	13.22
			<i>For Flat Oval, Add</i>	1.19	
			<i>For Work In Restricted Working Space, Add</i>	6.61	
23 31 13	13-0061	LF	18" x 22", 30 Gauge Galvanized Steel Duct	31.51	13.92
			<i>For Flat Oval, Add</i>	1.25	
			<i>For Work In Restricted Working Space, Add</i>	6.96	
23 31 13	13-0062	LF	18" x 24", 30 Gauge Galvanized Steel Duct	33.08	14.61
			<i>For Flat Oval, Add</i>	1.31	
			<i>For Work In Restricted Working Space, Add</i>	7.31	
23 31 13	13-0063	LF	20" x 20", 30 Gauge Galvanized Steel Duct	31.51	13.92
			<i>For Flat Oval, Add</i>	1.25	
			<i>For Work In Restricted Working Space, Add</i>	6.96	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0064 LF 20" x 22", 30 Gauge Galvanized Steel Duct	33.08	14.61
For Flat Oval, Add	1.31	
For Work In Restricted Working Space, Add	7.31	
23 31 13 13-0065 LF 20" x 24", 30 Gauge Galvanized Steel Duct	34.67	15.30
For Flat Oval, Add	1.37	
For Work In Restricted Working Space, Add	7.66	
23 31 13 13-0066 LF 22" x 22", 30 Gauge Galvanized Steel Duct	34.67	15.30
For Flat Oval, Add	1.37	
For Work In Restricted Working Space, Add	7.66	
23 31 13 13-0067 LF 22" x 24", 30 Gauge Galvanized Steel Duct	36.23	16.00
For Flat Oval, Add	1.43	
For Work In Restricted Working Space, Add	8.00	
23 31 13 13-0068 LF 24" x 24", 30 Gauge Galvanized Steel Duct	37.82	16.70
For Flat Oval, Add	1.50	
For Work In Restricted Working Space, Add	8.35	
23 31 13 13-0069 28 Gauge Galvanized Steel Duct <small>(23 31 13 13-0009)</small>		
23 31 13 13-0070 LF 4" x 4", 28 Gauge Galvanized Steel Duct	7.49	3.31
For Flat Oval, Add	0.30	
For Work In Restricted Working Space, Add	1.66	
23 31 13 13-0071 LF 4" x 6", 28 Gauge Galvanized Steel Duct	9.38	4.15
For Flat Oval, Add	0.37	
For Work In Restricted Working Space, Add	2.07	
23 31 13 13-0072 LF 4" x 8", 28 Gauge Galvanized Steel Duct	11.25	4.97
For Flat Oval, Add	0.45	
For Work In Restricted Working Space, Add	2.48	
23 31 13 13-0073 LF 4" x 10", 28 Gauge Galvanized Steel Duct	13.12	5.80
For Flat Oval, Add	0.52	
For Work In Restricted Working Space, Add	2.90	
23 31 13 13-0074 LF 4" x 12", 28 Gauge Galvanized Steel Duct	15.02	6.63
For Flat Oval, Add	0.60	
For Work In Restricted Working Space, Add	3.32	
23 31 13 13-0075 LF 4" x 14", 28 Gauge Galvanized Steel Duct	16.89	7.46
For Flat Oval, Add	0.67	
For Work In Restricted Working Space, Add	3.73	
23 31 13 13-0076 LF 4" x 16", 28 Gauge Galvanized Steel Duct	18.74	8.28
For Flat Oval, Add	0.74	
For Work In Restricted Working Space, Add	4.14	
23 31 13 13-0077 LF 6" x 6", 28 Gauge Galvanized Steel Duct	11.25	4.97
For Flat Oval, Add	0.45	
For Work In Restricted Working Space, Add	2.48	
23 31 13 13-0078 LF 6" x 8", 28 Gauge Galvanized Steel Duct	13.12	5.80
For Flat Oval, Add	0.52	
For Work In Restricted Working Space, Add	2.90	
23 31 13 13-0079 LF 6" x 10", 28 Gauge Galvanized Steel Duct	15.02	6.63
For Flat Oval, Add	0.60	
For Work In Restricted Working Space, Add	3.32	
23 31 13 13-0080 LF 6" x 12", 28 Gauge Galvanized Steel Duct	16.89	7.46
For Flat Oval, Add	0.67	
For Work In Restricted Working Space, Add	3.73	
23 31 13 13-0081 LF 6" x 14", 28 Gauge Galvanized Steel Duct	18.74	8.28
For Flat Oval, Add	0.74	
For Work In Restricted Working Space, Add	4.14	
23 31 13 13-0082 LF 6" x 16", 28 Gauge Galvanized Steel Duct	20.63	9.12
For Flat Oval, Add	0.82	
For Work In Restricted Working Space, Add	4.55	
23 31 13 13-0083 LF 8" x 8", 28 Gauge Galvanized Steel Duct	15.02	6.63
For Flat Oval, Add	0.60	
For Work In Restricted Working Space, Add	3.32	
23 31 13 13-0084 LF 8" x 10", 28 Gauge Galvanized Steel Duct	16.89	7.46
For Flat Oval, Add	0.67	
For Work In Restricted Working Space, Add	3.73	
23 31 13 13-0085 LF 8" x 12", 28 Gauge Galvanized Steel Duct	18.74	8.28
For Flat Oval, Add	0.74	
For Work In Restricted Working Space, Add	4.14	
23 31 13 13-0086 LF 8" x 14", 28 Gauge Galvanized Steel Duct	20.63	9.12
For Flat Oval, Add	0.82	
For Work In Restricted Working Space, Add	4.55	
23 31 13 13-0087 LF 8" x 16", 28 Gauge Galvanized Steel Duct	22.51	9.94
For Flat Oval, Add	0.89	
For Work In Restricted Working Space, Add	4.97	
23 31 13 13-0088 LF 8" x 18", 28 Gauge Galvanized Steel Duct	24.38	10.77
For Flat Oval, Add	0.96	
For Work In Restricted Working Space, Add	5.39	
23 31 13 13-0089 LF 8" x 20", 28 Gauge Galvanized Steel Duct	26.27	11.60
For Flat Oval, Add	1.04	
For Work In Restricted Working Space, Add	5.80	
23 31 13 13-0090 LF 8" x 22", 28 Gauge Galvanized Steel Duct	28.14	12.43
For Flat Oval, Add	1.11	
For Work In Restricted Working Space, Add	6.21	
23 31 13 13-0091 LF 8" x 24", 28 Gauge Galvanized Steel Duct	30.02	13.25
For Flat Oval, Add	1.19	
For Work In Restricted Working Space, Add	6.63	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 31 HVAC Ducts And Casings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13	13-0092	LF	10" x 10", 28 Gauge Galvanized Steel Duct	18.74	8.28
			<i>For Flat Oval, Add</i>	0.74	
			<i>For Work In Restricted Working Space, Add</i>	4.14	
23 31 13	13-0093	LF	10" x 12", 28 Gauge Galvanized Steel Duct	20.63	9.12
			<i>For Flat Oval, Add</i>	0.82	
			<i>For Work In Restricted Working Space, Add</i>	4.55	
23 31 13	13-0094	LF	10" x 14", 28 Gauge Galvanized Steel Duct	22.51	9.94
			<i>For Flat Oval, Add</i>	0.89	
			<i>For Work In Restricted Working Space, Add</i>	4.97	
23 31 13	13-0095	LF	10" x 16", 28 Gauge Galvanized Steel Duct	24.38	10.77
			<i>For Flat Oval, Add</i>	0.96	
			<i>For Work In Restricted Working Space, Add</i>	5.39	
23 31 13	13-0096	LF	10" x 18", 28 Gauge Galvanized Steel Duct	26.27	11.60
			<i>For Flat Oval, Add</i>	1.04	
			<i>For Work In Restricted Working Space, Add</i>	5.80	
23 31 13	13-0097	LF	10" x 20", 28 Gauge Galvanized Steel Duct	28.14	12.43
			<i>For Flat Oval, Add</i>	1.11	
			<i>For Work In Restricted Working Space, Add</i>	6.21	
23 31 13	13-0098	LF	10" x 22", 28 Gauge Galvanized Steel Duct	30.02	13.25
			<i>For Flat Oval, Add</i>	1.19	
			<i>For Work In Restricted Working Space, Add</i>	6.63	
23 31 13	13-0099	LF	10" x 24", 28 Gauge Galvanized Steel Duct	31.89	14.09
			<i>For Flat Oval, Add</i>	1.26	
			<i>For Work In Restricted Working Space, Add</i>	7.04	
23 31 13	13-0100	LF	12" x 12", 28 Gauge Galvanized Steel Duct	22.51	9.94
			<i>For Flat Oval, Add</i>	0.89	
			<i>For Work In Restricted Working Space, Add</i>	4.97	
23 31 13	13-0101	LF	12" x 14", 28 Gauge Galvanized Steel Duct	24.38	10.77
			<i>For Flat Oval, Add</i>	0.96	
			<i>For Work In Restricted Working Space, Add</i>	5.39	
23 31 13	13-0102	LF	12" x 16", 28 Gauge Galvanized Steel Duct	26.27	11.60
			<i>For Flat Oval, Add</i>	1.04	
			<i>For Work In Restricted Working Space, Add</i>	5.80	
23 31 13	13-0103	LF	12" x 18", 28 Gauge Galvanized Steel Duct	28.14	12.43
			<i>For Flat Oval, Add</i>	1.11	
			<i>For Work In Restricted Working Space, Add</i>	6.21	
23 31 13	13-0104	LF	12" x 20", 28 Gauge Galvanized Steel Duct	30.02	13.25
			<i>For Flat Oval, Add</i>	1.19	
			<i>For Work In Restricted Working Space, Add</i>	6.63	
23 31 13	13-0105	LF	12" x 22", 28 Gauge Galvanized Steel Duct	31.89	14.09
			<i>For Flat Oval, Add</i>	1.26	
			<i>For Work In Restricted Working Space, Add</i>	7.04	
23 31 13	13-0106	LF	12" x 24", 28 Gauge Galvanized Steel Duct	33.76	14.91
			<i>For Flat Oval, Add</i>	1.34	
			<i>For Work In Restricted Working Space, Add</i>	7.46	
23 31 13	13-0107	LF	14" x 14", 28 Gauge Galvanized Steel Duct	26.27	11.60
			<i>For Flat Oval, Add</i>	1.04	
			<i>For Work In Restricted Working Space, Add</i>	5.80	
23 31 13	13-0108	LF	14" x 16", 28 Gauge Galvanized Steel Duct	28.14	12.43
			<i>For Flat Oval, Add</i>	1.11	
			<i>For Work In Restricted Working Space, Add</i>	6.21	
23 31 13	13-0109	LF	14" x 18", 28 Gauge Galvanized Steel Duct	30.02	13.25
			<i>For Flat Oval, Add</i>	1.19	
			<i>For Work In Restricted Working Space, Add</i>	6.63	
23 31 13	13-0110	LF	14" x 20", 28 Gauge Galvanized Steel Duct	31.89	14.09
			<i>For Flat Oval, Add</i>	1.26	
			<i>For Work In Restricted Working Space, Add</i>	7.04	
23 31 13	13-0111	LF	14" x 22", 28 Gauge Galvanized Steel Duct	33.76	14.91
			<i>For Flat Oval, Add</i>	1.34	
			<i>For Work In Restricted Working Space, Add</i>	7.46	
23 31 13	13-0112	LF	14" x 24", 28 Gauge Galvanized Steel Duct	35.65	15.74
			<i>For Flat Oval, Add</i>	1.41	
			<i>For Work In Restricted Working Space, Add</i>	7.87	
23 31 13	13-0113	LF	16" x 16", 28 Gauge Galvanized Steel Duct	30.02	13.25
			<i>For Flat Oval, Add</i>	1.19	
			<i>For Work In Restricted Working Space, Add</i>	6.63	
23 31 13	13-0114	LF	16" x 18", 28 Gauge Galvanized Steel Duct	31.89	14.09
			<i>For Flat Oval, Add</i>	1.26	
			<i>For Work In Restricted Working Space, Add</i>	7.04	
23 31 13	13-0115	LF	16" x 20", 28 Gauge Galvanized Steel Duct	33.76	14.91
			<i>For Flat Oval, Add</i>	1.34	
			<i>For Work In Restricted Working Space, Add</i>	7.46	
23 31 13	13-0116	LF	16" x 22", 28 Gauge Galvanized Steel Duct	35.65	15.74
			<i>For Flat Oval, Add</i>	1.41	
			<i>For Work In Restricted Working Space, Add</i>	7.87	
23 31 13	13-0117	LF	16" x 24", 28 Gauge Galvanized Steel Duct	37.52	16.57
			<i>For Flat Oval, Add</i>	1.49	
			<i>For Work In Restricted Working Space, Add</i>	8.28	
23 31 13	13-0118	LF	18" x 18", 28 Gauge Galvanized Steel Duct	33.76	14.91
			<i>For Flat Oval, Add</i>	1.34	
			<i>For Work In Restricted Working Space, Add</i>	7.46	
23 31 13	13-0119	LF	18" x 20", 28 Gauge Galvanized Steel Duct	35.65	15.74
			<i>For Flat Oval, Add</i>	1.41	
			<i>For Work In Restricted Working Space, Add</i>	7.87	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0120 LF 18" x 22", 28 Gauge Galvanized Steel Duct	37.52	16.57
For Flat Oval, Add	1.49	
For Work In Restricted Working Space, Add	8.28	
23 31 13 13-0121 LF 18" x 24", 28 Gauge Galvanized Steel Duct	39.39	17.40
For Flat Oval, Add	1.56	
For Work In Restricted Working Space, Add	8.70	
23 31 13 13-0122 LF 20" x 20", 28 Gauge Galvanized Steel Duct	37.52	16.57
For Flat Oval, Add	1.49	
For Work In Restricted Working Space, Add	8.28	
23 31 13 13-0123 LF 20" x 22", 28 Gauge Galvanized Steel Duct	39.39	17.40
For Flat Oval, Add	1.56	
For Work In Restricted Working Space, Add	8.70	
23 31 13 13-0124 LF 20" x 24", 28 Gauge Galvanized Steel Duct	41.28	18.22
For Flat Oval, Add	1.64	
For Work In Restricted Working Space, Add	9.11	
23 31 13 13-0125 LF 22" x 22", 28 Gauge Galvanized Steel Duct	41.28	18.22
For Flat Oval, Add	1.64	
For Work In Restricted Working Space, Add	9.11	
23 31 13 13-0126 LF 22" x 24", 28 Gauge Galvanized Steel Duct	43.15	19.06
For Flat Oval, Add	1.71	
For Work In Restricted Working Space, Add	9.53	
23 31 13 13-0127 LF 24" x 24", 28 Gauge Galvanized Steel Duct	45.01	19.88
For Flat Oval, Add	1.78	
For Work In Restricted Working Space, Add	9.94	
23 31 13 13-0128 26 Gauge Galvanized Steel Duct <small>(23 31 13 13-0009)</small>		
23 31 13 13-0129 LF 4" x 4", 26 Gauge Galvanized Steel Duct	8.70	3.84
For Flat Oval, Add	0.35	
For Work In Restricted Working Space, Add	1.92	
23 31 13 13-0130 LF 4" x 6", 26 Gauge Galvanized Steel Duct	10.88	4.80
For Flat Oval, Add	0.43	
For Work In Restricted Working Space, Add	2.40	
23 31 13 13-0131 LF 4" x 8", 26 Gauge Galvanized Steel Duct	13.06	5.77
For Flat Oval, Add	0.52	
For Work In Restricted Working Space, Add	2.88	
23 31 13 13-0132 LF 4" x 10", 26 Gauge Galvanized Steel Duct	15.23	6.73
For Flat Oval, Add	0.60	
For Work In Restricted Working Space, Add	3.36	
23 31 13 13-0133 LF 4" x 12", 26 Gauge Galvanized Steel Duct	17.42	7.69
For Flat Oval, Add	0.69	
For Work In Restricted Working Space, Add	3.85	
23 31 13 13-0134 LF 4" x 14", 26 Gauge Galvanized Steel Duct	19.59	8.65
For Flat Oval, Add	0.78	
For Work In Restricted Working Space, Add	4.33	
23 31 13 13-0135 LF 4" x 16", 26 Gauge Galvanized Steel Duct	21.76	9.61
For Flat Oval, Add	0.86	
For Work In Restricted Working Space, Add	4.81	
23 31 13 13-0136 LF 6" x 6", 26 Gauge Galvanized Steel Duct	13.06	5.77
For Flat Oval, Add	0.52	
For Work In Restricted Working Space, Add	2.88	
23 31 13 13-0137 LF 6" x 8", 26 Gauge Galvanized Steel Duct	15.23	6.73
For Flat Oval, Add	0.60	
For Work In Restricted Working Space, Add	3.36	
23 31 13 13-0138 LF 6" x 10", 26 Gauge Galvanized Steel Duct	17.42	7.69
For Flat Oval, Add	0.69	
For Work In Restricted Working Space, Add	3.85	
23 31 13 13-0139 LF 6" x 12", 26 Gauge Galvanized Steel Duct	19.59	8.65
For Flat Oval, Add	0.78	
For Work In Restricted Working Space, Add	4.33	
23 31 13 13-0140 LF 6" x 14", 26 Gauge Galvanized Steel Duct	21.76	9.61
For Flat Oval, Add	0.86	
For Work In Restricted Working Space, Add	4.81	
23 31 13 13-0141 LF 6" x 16", 26 Gauge Galvanized Steel Duct	23.95	10.57
For Flat Oval, Add	0.95	
For Work In Restricted Working Space, Add	5.29	
23 31 13 13-0142 LF 8" x 8", 26 Gauge Galvanized Steel Duct	17.42	7.69
For Flat Oval, Add	0.69	
For Work In Restricted Working Space, Add	3.85	
23 31 13 13-0143 LF 8" x 10", 26 Gauge Galvanized Steel Duct	19.59	8.65
For Flat Oval, Add	0.78	
For Work In Restricted Working Space, Add	4.33	
23 31 13 13-0144 LF 8" x 12", 26 Gauge Galvanized Steel Duct	21.76	9.61
For Flat Oval, Add	0.86	
For Work In Restricted Working Space, Add	4.81	
23 31 13 13-0145 LF 8" x 14", 26 Gauge Galvanized Steel Duct	23.95	10.57
For Flat Oval, Add	0.95	
For Work In Restricted Working Space, Add	5.29	
23 31 13 13-0146 LF 8" x 16", 26 Gauge Galvanized Steel Duct	26.12	11.53
For Flat Oval, Add	1.04	
For Work In Restricted Working Space, Add	5.77	
23 31 13 13-0147 LF 8" x 18", 26 Gauge Galvanized Steel Duct	28.29	12.50
For Flat Oval, Add	1.12	
For Work In Restricted Working Space, Add	6.25	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 31 HVAC Ducts And Casings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13	13-0148	LF	8" x 20", 26 Gauge Galvanized Steel Duct	30.46	13.45
			<i>For Flat Oval, Add</i>	1.21	
			<i>For Work In Restricted Working Space, Add</i>	6.73	
23 31 13	13-0149	LF	8" x 22", 26 Gauge Galvanized Steel Duct	32.66	14.42
			<i>For Flat Oval, Add</i>	1.29	
			<i>For Work In Restricted Working Space, Add</i>	7.21	
23 31 13	13-0150	LF	8" x 24", 26 Gauge Galvanized Steel Duct	34.83	15.37
			<i>For Flat Oval, Add</i>	1.38	
			<i>For Work In Restricted Working Space, Add</i>	7.69	
23 31 13	13-0151	LF	10" x 10", 26 Gauge Galvanized Steel Duct	21.76	9.61
			<i>For Flat Oval, Add</i>	0.86	
			<i>For Work In Restricted Working Space, Add</i>	4.81	
23 31 13	13-0152	LF	10" x 12", 26 Gauge Galvanized Steel Duct	23.94	10.56
			<i>For Flat Oval, Add</i>	0.95	
			<i>For Work In Restricted Working Space, Add</i>	5.29	
23 31 13	13-0153	LF	10" x 14", 26 Gauge Galvanized Steel Duct	26.12	11.53
			<i>For Flat Oval, Add</i>	1.04	
			<i>For Work In Restricted Working Space, Add</i>	5.77	
23 31 13	13-0154	LF	10" x 16", 26 Gauge Galvanized Steel Duct	28.29	12.50
			<i>For Flat Oval, Add</i>	1.12	
			<i>For Work In Restricted Working Space, Add</i>	6.25	
23 31 13	13-0155	LF	10" x 18", 26 Gauge Galvanized Steel Duct	30.46	13.45
			<i>For Flat Oval, Add</i>	1.21	
			<i>For Work In Restricted Working Space, Add</i>	6.73	
23 31 13	13-0156	LF	10" x 20", 26 Gauge Galvanized Steel Duct	32.66	14.42
			<i>For Flat Oval, Add</i>	1.29	
			<i>For Work In Restricted Working Space, Add</i>	7.21	
23 31 13	13-0157	LF	10" x 22", 26 Gauge Galvanized Steel Duct	34.83	15.37
			<i>For Flat Oval, Add</i>	1.38	
			<i>For Work In Restricted Working Space, Add</i>	7.69	
23 31 13	13-0158	LF	10" x 24", 26 Gauge Galvanized Steel Duct	36.99	16.34
			<i>For Flat Oval, Add</i>	1.46	
			<i>For Work In Restricted Working Space, Add</i>	8.17	
23 31 13	13-0159	LF	12" x 12", 26 Gauge Galvanized Steel Duct	26.11	11.53
			<i>For Flat Oval, Add</i>	1.03	
			<i>For Work In Restricted Working Space, Add</i>	5.77	
23 31 13	13-0160	LF	12" x 14", 26 Gauge Galvanized Steel Duct	28.29	12.50
			<i>For Flat Oval, Add</i>	1.12	
			<i>For Work In Restricted Working Space, Add</i>	6.25	
23 31 13	13-0161	LF	12" x 16", 26 Gauge Galvanized Steel Duct	30.46	13.45
			<i>For Flat Oval, Add</i>	1.21	
			<i>For Work In Restricted Working Space, Add</i>	6.73	
23 31 13	13-0162	LF	12" x 18", 26 Gauge Galvanized Steel Duct	32.66	14.42
			<i>For Flat Oval, Add</i>	1.29	
			<i>For Work In Restricted Working Space, Add</i>	7.21	
23 31 13	13-0163	LF	12" x 20", 26 Gauge Galvanized Steel Duct	34.83	15.37
			<i>For Flat Oval, Add</i>	1.38	
			<i>For Work In Restricted Working Space, Add</i>	7.69	
23 31 13	13-0164	LF	12" x 22", 26 Gauge Galvanized Steel Duct	36.99	16.34
			<i>For Flat Oval, Add</i>	1.46	
			<i>For Work In Restricted Working Space, Add</i>	8.17	
23 31 13	13-0165	LF	12" x 24", 26 Gauge Galvanized Steel Duct	39.16	17.30
			<i>For Flat Oval, Add</i>	1.55	
			<i>For Work In Restricted Working Space, Add</i>	8.65	
23 31 13	13-0166	LF	14" x 14", 26 Gauge Galvanized Steel Duct	30.46	13.45
			<i>For Flat Oval, Add</i>	1.21	
			<i>For Work In Restricted Working Space, Add</i>	6.73	
23 31 13	13-0167	LF	14" x 16", 26 Gauge Galvanized Steel Duct	32.66	14.42
			<i>For Flat Oval, Add</i>	1.29	
			<i>For Work In Restricted Working Space, Add</i>	7.21	
23 31 13	13-0168	LF	14" x 18", 26 Gauge Galvanized Steel Duct	34.83	15.37
			<i>For Flat Oval, Add</i>	1.38	
			<i>For Work In Restricted Working Space, Add</i>	7.69	
23 31 13	13-0169	LF	14" x 20", 26 Gauge Galvanized Steel Duct	36.99	16.34
			<i>For Flat Oval, Add</i>	1.46	
			<i>For Work In Restricted Working Space, Add</i>	8.17	
23 31 13	13-0170	LF	14" x 22", 26 Gauge Galvanized Steel Duct	39.16	17.30
			<i>For Flat Oval, Add</i>	1.55	
			<i>For Work In Restricted Working Space, Add</i>	8.65	
23 31 13	13-0171	LF	14" x 24", 26 Gauge Galvanized Steel Duct	41.35	18.26
			<i>For Flat Oval, Add</i>	1.64	
			<i>For Work In Restricted Working Space, Add</i>	9.13	
23 31 13	13-0172	LF	16" x 16", 26 Gauge Galvanized Steel Duct	34.83	15.37
			<i>For Flat Oval, Add</i>	1.38	
			<i>For Work In Restricted Working Space, Add</i>	7.69	
23 31 13	13-0173	LF	16" x 18", 26 Gauge Galvanized Steel Duct	36.99	16.34
			<i>For Flat Oval, Add</i>	1.46	
			<i>For Work In Restricted Working Space, Add</i>	8.17	
23 31 13	13-0174	LF	16" x 20", 26 Gauge Galvanized Steel Duct	39.16	17.30
			<i>For Flat Oval, Add</i>	1.55	
			<i>For Work In Restricted Working Space, Add</i>	8.65	
23 31 13	13-0175	LF	16" x 22", 26 Gauge Galvanized Steel Duct	41.35	18.26
			<i>For Flat Oval, Add</i>	1.64	
			<i>For Work In Restricted Working Space, Add</i>	9.13	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0176 LF 16" x 24", 26 Gauge Galvanized Steel Duct	43.52	19.22
For Flat Oval, Add	1.72	
For Work In Restricted Working Space, Add	9.61	
23 31 13 13-0177 LF 18" x 18", 26 Gauge Galvanized Steel Duct	39.16	17.30
For Flat Oval, Add	1.55	
For Work In Restricted Working Space, Add	8.65	
23 31 13 13-0178 LF 18" x 20", 26 Gauge Galvanized Steel Duct	41.35	18.26
For Flat Oval, Add	1.64	
For Work In Restricted Working Space, Add	9.13	
23 31 13 13-0179 LF 18" x 22", 26 Gauge Galvanized Steel Duct	43.52	19.22
For Flat Oval, Add	1.72	
For Work In Restricted Working Space, Add	9.61	
23 31 13 13-0180 LF 18" x 24", 26 Gauge Galvanized Steel Duct	45.70	20.18
For Flat Oval, Add	1.81	
For Work In Restricted Working Space, Add	10.09	
23 31 13 13-0181 LF 20" x 20", 26 Gauge Galvanized Steel Duct	43.52	19.22
For Flat Oval, Add	1.72	
For Work In Restricted Working Space, Add	9.61	
23 31 13 13-0182 LF 20" x 22", 26 Gauge Galvanized Steel Duct	45.70	20.18
For Flat Oval, Add	1.81	
For Work In Restricted Working Space, Add	10.09	
23 31 13 13-0183 LF 20" x 24", 26 Gauge Galvanized Steel Duct	47.87	21.14
For Flat Oval, Add	1.89	
For Work In Restricted Working Space, Add	10.57	
23 31 13 13-0184 LF 22" x 22", 26 Gauge Galvanized Steel Duct	47.87	21.14
For Flat Oval, Add	1.89	
For Work In Restricted Working Space, Add	10.57	
23 31 13 13-0185 LF 22" x 24", 26 Gauge Galvanized Steel Duct	50.06	22.11
For Flat Oval, Add	1.98	
For Work In Restricted Working Space, Add	11.05	
23 31 13 13-0186 LF 24" x 24", 26 Gauge Galvanized Steel Duct	52.23	23.06
For Flat Oval, Add	2.07	
For Work In Restricted Working Space, Add	11.53	
23 31 13 13-0187 24 Gauge Galvanized Steel Duct (23 31 13 13-0009)		
23 31 13 13-0188 LF 4" x 4", 24 Gauge Galvanized Steel Duct	11.11	4.91
For Flat Oval, Add	0.44	
For Work In Restricted Working Space, Add	2.45	
23 31 13 13-0189 LF 4" x 6", 24 Gauge Galvanized Steel Duct	13.88	6.13
For Flat Oval, Add	0.55	
For Work In Restricted Working Space, Add	3.07	
23 31 13 13-0190 LF 4" x 8", 24 Gauge Galvanized Steel Duct	16.67	7.36
For Flat Oval, Add	0.66	
For Work In Restricted Working Space, Add	3.68	
23 31 13 13-0191 LF 4" x 10", 24 Gauge Galvanized Steel Duct	19.44	8.58
For Flat Oval, Add	0.77	
For Work In Restricted Working Space, Add	4.29	
23 31 13 13-0192 LF 4" x 12", 24 Gauge Galvanized Steel Duct	22.20	9.81
For Flat Oval, Add	0.88	
For Work In Restricted Working Space, Add	4.90	
23 31 13 13-0193 LF 4" x 14", 24 Gauge Galvanized Steel Duct	24.98	11.03
For Flat Oval, Add	0.99	
For Work In Restricted Working Space, Add	5.51	
23 31 13 13-0194 LF 4" x 16", 24 Gauge Galvanized Steel Duct	27.77	12.27
For Flat Oval, Add	1.10	
For Work In Restricted Working Space, Add	6.13	
23 31 13 13-0195 LF 6" x 6", 24 Gauge Galvanized Steel Duct	16.67	7.36
For Flat Oval, Add	0.66	
For Work In Restricted Working Space, Add	3.68	
23 31 13 13-0196 LF 6" x 8", 24 Gauge Galvanized Steel Duct	19.44	8.58
For Flat Oval, Add	0.77	
For Work In Restricted Working Space, Add	4.29	
23 31 13 13-0197 LF 6" x 10", 24 Gauge Galvanized Steel Duct	22.20	9.81
For Flat Oval, Add	0.88	
For Work In Restricted Working Space, Add	4.90	
23 31 13 13-0198 LF 6" x 12", 24 Gauge Galvanized Steel Duct	24.98	11.03
For Flat Oval, Add	0.99	
For Work In Restricted Working Space, Add	5.51	
23 31 13 13-0199 LF 6" x 14", 24 Gauge Galvanized Steel Duct	27.77	12.27
For Flat Oval, Add	1.10	
For Work In Restricted Working Space, Add	6.13	
23 31 13 13-0200 LF 6" x 16", 24 Gauge Galvanized Steel Duct	30.54	13.49
For Flat Oval, Add	1.21	
For Work In Restricted Working Space, Add	6.74	
23 31 13 13-0201 LF 8" x 8", 24 Gauge Galvanized Steel Duct	22.20	9.81
For Flat Oval, Add	0.88	
For Work In Restricted Working Space, Add	4.90	
23 31 13 13-0202 LF 8" x 10", 24 Gauge Galvanized Steel Duct	24.98	11.03
For Flat Oval, Add	0.99	
For Work In Restricted Working Space, Add	5.51	
23 31 13 13-0203 LF 8" x 12", 24 Gauge Galvanized Steel Duct	27.77	12.27
For Flat Oval, Add	1.10	
For Work In Restricted Working Space, Add	6.13	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 31 HVAC Ducts And Casings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31	13 13-0204	LF	8" x 14", 24 Gauge Galvanized Steel Duct	30.54	13.49
			<i>For Flat Oval, Add</i>	1.21	
			<i>For Work In Restricted Working Space, Add</i>	6.74	
23 31	13 13-0205	LF	8" x 16", 24 Gauge Galvanized Steel Duct	33.32	14.71
			<i>For Flat Oval, Add</i>	1.32	
			<i>For Work In Restricted Working Space, Add</i>	7.36	
23 31	13 13-0206	LF	8" x 18", 24 Gauge Galvanized Steel Duct	36.09	15.94
			<i>For Flat Oval, Add</i>	1.43	
			<i>For Work In Restricted Working Space, Add</i>	7.97	
23 31	13 13-0207	LF	8" x 20", 24 Gauge Galvanized Steel Duct	38.87	17.17
			<i>For Flat Oval, Add</i>	1.54	
			<i>For Work In Restricted Working Space, Add</i>	8.58	
23 31	13 13-0208	LF	8" x 22", 24 Gauge Galvanized Steel Duct	41.65	18.38
			<i>For Flat Oval, Add</i>	1.65	
			<i>For Work In Restricted Working Space, Add</i>	9.20	
23 31	13 13-0209	LF	8" x 24", 24 Gauge Galvanized Steel Duct	44.43	19.62
			<i>For Flat Oval, Add</i>	1.76	
			<i>For Work In Restricted Working Space, Add</i>	9.81	
23 31	13 13-0210	LF	10" x 10", 24 Gauge Galvanized Steel Duct	27.77	12.27
			<i>For Flat Oval, Add</i>	1.10	
			<i>For Work In Restricted Working Space, Add</i>	6.13	
23 31	13 13-0211	LF	10" x 12", 24 Gauge Galvanized Steel Duct	30.54	13.49
			<i>For Flat Oval, Add</i>	1.21	
			<i>For Work In Restricted Working Space, Add</i>	6.74	
23 31	13 13-0212	LF	10" x 14", 24 Gauge Galvanized Steel Duct	33.32	14.71
			<i>For Flat Oval, Add</i>	1.32	
			<i>For Work In Restricted Working Space, Add</i>	7.36	
23 31	13 13-0213	LF	10" x 16", 24 Gauge Galvanized Steel Duct	36.09	15.94
			<i>For Flat Oval, Add</i>	1.43	
			<i>For Work In Restricted Working Space, Add</i>	7.97	
23 31	13 13-0214	LF	10" x 18", 24 Gauge Galvanized Steel Duct	38.87	17.17
			<i>For Flat Oval, Add</i>	1.54	
			<i>For Work In Restricted Working Space, Add</i>	8.58	
23 31	13 13-0215	LF	10" x 20", 24 Gauge Galvanized Steel Duct	41.65	18.38
			<i>For Flat Oval, Add</i>	1.65	
			<i>For Work In Restricted Working Space, Add</i>	9.20	
23 31	13 13-0216	LF	10" x 22", 24 Gauge Galvanized Steel Duct	44.43	19.62
			<i>For Flat Oval, Add</i>	1.76	
			<i>For Work In Restricted Working Space, Add</i>	9.81	
23 31	13 13-0217	LF	10" x 24", 24 Gauge Galvanized Steel Duct	47.20	20.85
			<i>For Flat Oval, Add</i>	1.87	
			<i>For Work In Restricted Working Space, Add</i>	10.42	
23 31	13 13-0218	LF	10" x 26", 24 Gauge Galvanized Steel Duct	49.98	22.08
			<i>For Flat Oval, Add</i>	1.98	
			<i>For Work In Restricted Working Space, Add</i>	11.04	
23 31	13 13-0219	LF	10" x 28", 24 Gauge Galvanized Steel Duct	52.76	23.29
			<i>For Flat Oval, Add</i>	2.09	
			<i>For Work In Restricted Working Space, Add</i>	11.65	
23 31	13 13-0220	LF	10" x 30", 24 Gauge Galvanized Steel Duct	55.53	24.52
			<i>For Flat Oval, Add</i>	2.20	
			<i>For Work In Restricted Working Space, Add</i>	12.26	
23 31	13 13-0221	LF	12" x 12", 24 Gauge Galvanized Steel Duct	33.32	14.71
			<i>For Flat Oval, Add</i>	1.32	
			<i>For Work In Restricted Working Space, Add</i>	7.36	
23 31	13 13-0222	LF	12" x 14", 24 Gauge Galvanized Steel Duct	36.09	15.94
			<i>For Flat Oval, Add</i>	1.43	
			<i>For Work In Restricted Working Space, Add</i>	7.97	
23 31	13 13-0223	LF	12" x 16", 24 Gauge Galvanized Steel Duct	38.87	17.17
			<i>For Flat Oval, Add</i>	1.54	
			<i>For Work In Restricted Working Space, Add</i>	8.58	
23 31	13 13-0224	LF	12" x 18", 24 Gauge Galvanized Steel Duct	41.65	18.38
			<i>For Flat Oval, Add</i>	1.65	
			<i>For Work In Restricted Working Space, Add</i>	9.20	
23 31	13 13-0225	LF	12" x 20", 24 Gauge Galvanized Steel Duct	44.43	19.62
			<i>For Flat Oval, Add</i>	1.76	
			<i>For Work In Restricted Working Space, Add</i>	9.81	
23 31	13 13-0226	LF	12" x 22", 24 Gauge Galvanized Steel Duct	47.20	20.85
			<i>For Flat Oval, Add</i>	1.87	
			<i>For Work In Restricted Working Space, Add</i>	10.42	
23 31	13 13-0227	LF	12" x 24", 24 Gauge Galvanized Steel Duct	49.98	22.08
			<i>For Flat Oval, Add</i>	1.98	
			<i>For Work In Restricted Working Space, Add</i>	11.04	
23 31	13 13-0228	LF	12" x 26", 24 Gauge Galvanized Steel Duct	52.76	23.29
			<i>For Flat Oval, Add</i>	2.09	
			<i>For Work In Restricted Working Space, Add</i>	11.65	
23 31	13 13-0229	LF	12" x 28", 24 Gauge Galvanized Steel Duct	55.53	24.52
			<i>For Flat Oval, Add</i>	2.20	
			<i>For Work In Restricted Working Space, Add</i>	12.26	
23 31	13 13-0230	LF	12" x 30", 24 Gauge Galvanized Steel Duct	58.30	25.75
			<i>For Flat Oval, Add</i>	2.31	
			<i>For Work In Restricted Working Space, Add</i>	12.87	
23 31	13 13-0231	LF	14" x 14", 24 Gauge Galvanized Steel Duct	38.87	17.17
			<i>For Flat Oval, Add</i>	1.54	
			<i>For Work In Restricted Working Space, Add</i>	8.58	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0232 LF 14" x 16", 24 Gauge Galvanized Steel Duct	41.65	18.38
For Flat Oval, Add	1.65	
For Work In Restricted Working Space, Add	9.20	
23 31 13 13-0233 LF 14" x 18", 24 Gauge Galvanized Steel Duct	44.43	19.62
For Flat Oval, Add	1.76	
For Work In Restricted Working Space, Add	9.81	
23 31 13 13-0234 LF 14" x 20", 24 Gauge Galvanized Steel Duct	47.20	20.85
For Flat Oval, Add	1.87	
For Work In Restricted Working Space, Add	10.42	
23 31 13 13-0235 LF 14" x 22", 24 Gauge Galvanized Steel Duct	49.98	22.08
For Flat Oval, Add	1.98	
For Work In Restricted Working Space, Add	11.04	
23 31 13 13-0236 LF 14" x 24", 24 Gauge Galvanized Steel Duct	52.76	23.29
For Flat Oval, Add	2.09	
For Work In Restricted Working Space, Add	11.65	
23 31 13 13-0237 LF 14" x 26", 24 Gauge Galvanized Steel Duct	55.53	24.52
For Flat Oval, Add	2.20	
For Work In Restricted Working Space, Add	12.26	
23 31 13 13-0238 LF 14" x 28", 24 Gauge Galvanized Steel Duct	58.30	25.75
For Flat Oval, Add	2.31	
For Work In Restricted Working Space, Add	12.87	
23 31 13 13-0239 LF 14" x 30", 24 Gauge Galvanized Steel Duct	61.10	26.98
For Flat Oval, Add	2.42	
For Work In Restricted Working Space, Add	13.49	
23 31 13 13-0240 LF 16" x 16", 24 Gauge Galvanized Steel Duct	44.43	19.62
For Flat Oval, Add	1.76	
For Work In Restricted Working Space, Add	9.81	
23 31 13 13-0241 LF 16" x 18", 24 Gauge Galvanized Steel Duct	47.20	20.85
For Flat Oval, Add	1.87	
For Work In Restricted Working Space, Add	10.42	
23 31 13 13-0242 LF 16" x 20", 24 Gauge Galvanized Steel Duct	49.98	22.08
For Flat Oval, Add	1.98	
For Work In Restricted Working Space, Add	11.04	
23 31 13 13-0243 LF 16" x 22", 24 Gauge Galvanized Steel Duct	52.76	23.29
For Flat Oval, Add	2.09	
For Work In Restricted Working Space, Add	11.65	
23 31 13 13-0244 LF 16" x 24", 24 Gauge Galvanized Steel Duct	55.53	24.52
For Flat Oval, Add	2.20	
For Work In Restricted Working Space, Add	12.26	
23 31 13 13-0245 LF 16" x 26", 24 Gauge Galvanized Steel Duct	58.30	25.75
For Flat Oval, Add	2.31	
For Work In Restricted Working Space, Add	12.87	
23 31 13 13-0246 LF 16" x 28", 24 Gauge Galvanized Steel Duct	61.10	26.98
For Flat Oval, Add	2.42	
For Work In Restricted Working Space, Add	13.49	
23 31 13 13-0247 LF 16" x 30", 24 Gauge Galvanized Steel Duct	63.86	28.20
For Flat Oval, Add	2.53	
For Work In Restricted Working Space, Add	14.10	
23 31 13 13-0248 LF 18" x 18", 24 Gauge Galvanized Steel Duct	49.98	22.08
For Flat Oval, Add	1.98	
For Work In Restricted Working Space, Add	11.04	
23 31 13 13-0249 LF 18" x 20", 24 Gauge Galvanized Steel Duct	52.76	23.29
For Flat Oval, Add	2.09	
For Work In Restricted Working Space, Add	11.65	
23 31 13 13-0250 LF 18" x 22", 24 Gauge Galvanized Steel Duct	55.53	24.52
For Flat Oval, Add	2.20	
For Work In Restricted Working Space, Add	12.26	
23 31 13 13-0251 LF 18" x 24", 24 Gauge Galvanized Steel Duct	58.30	25.75
For Flat Oval, Add	2.31	
For Work In Restricted Working Space, Add	12.87	
23 31 13 13-0252 LF 18" x 26", 24 Gauge Galvanized Steel Duct	61.10	26.98
For Flat Oval, Add	2.42	
For Work In Restricted Working Space, Add	13.49	
23 31 13 13-0253 LF 18" x 28", 24 Gauge Galvanized Steel Duct	63.86	28.20
For Flat Oval, Add	2.53	
For Work In Restricted Working Space, Add	14.10	
23 31 13 13-0254 LF 18" x 30", 24 Gauge Galvanized Steel Duct	66.63	29.43
For Flat Oval, Add	2.64	
For Work In Restricted Working Space, Add	14.71	
23 31 13 13-0255 LF 20" x 20", 24 Gauge Galvanized Steel Duct	55.53	24.52
For Flat Oval, Add	2.20	
For Work In Restricted Working Space, Add	12.26	
23 31 13 13-0256 LF 20" x 22", 24 Gauge Galvanized Steel Duct	58.30	25.75
For Flat Oval, Add	2.31	
For Work In Restricted Working Space, Add	12.87	
23 31 13 13-0257 LF 20" x 24", 24 Gauge Galvanized Steel Duct	61.10	26.98
For Flat Oval, Add	2.42	
For Work In Restricted Working Space, Add	13.49	
23 31 13 13-0258 LF 20" x 26", 24 Gauge Galvanized Steel Duct	63.86	28.20
For Flat Oval, Add	2.53	
For Work In Restricted Working Space, Add	14.10	
23 31 13 13-0259 LF 20" x 28", 24 Gauge Galvanized Steel Duct	66.63	29.43
For Flat Oval, Add	2.64	
For Work In Restricted Working Space, Add	14.71	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 31 HVAC Ducts And Casings**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0260 LF 20" x 30", 24 Gauge Galvanized Steel Duct	69.41	30.65
For Flat Oval, Add	2.75	
For Work In Restricted Working Space, Add	15.32	
23 31 13 13-0261 LF 22" x 22", 24 Gauge Galvanized Steel Duct	61.10	26.98
For Flat Oval, Add	2.42	
For Work In Restricted Working Space, Add	13.49	
23 31 13 13-0262 LF 22" x 24", 24 Gauge Galvanized Steel Duct	63.86	28.20
For Flat Oval, Add	2.53	
For Work In Restricted Working Space, Add	14.10	
23 31 13 13-0263 LF 22" x 26", 24 Gauge Galvanized Steel Duct	66.63	29.43
For Flat Oval, Add	2.64	
For Work In Restricted Working Space, Add	14.71	
23 31 13 13-0264 LF 22" x 28", 24 Gauge Galvanized Steel Duct	69.41	30.65
For Flat Oval, Add	2.75	
For Work In Restricted Working Space, Add	15.32	
23 31 13 13-0265 LF 22" x 30", 24 Gauge Galvanized Steel Duct	72.19	31.88
For Flat Oval, Add	2.86	
For Work In Restricted Working Space, Add	15.94	
23 31 13 13-0266 LF 24" x 24", 24 Gauge Galvanized Steel Duct	66.63	29.43
For Flat Oval, Add	2.64	
For Work In Restricted Working Space, Add	14.71	
23 31 13 13-0267 LF 24" x 26", 24 Gauge Galvanized Steel Duct	69.41	30.65
For Flat Oval, Add	2.75	
For Work In Restricted Working Space, Add	15.32	
23 31 13 13-0268 LF 24" x 28", 24 Gauge Galvanized Steel Duct	72.19	31.88
For Flat Oval, Add	2.86	
For Work In Restricted Working Space, Add	15.94	
23 31 13 13-0269 LF 24" x 30", 24 Gauge Galvanized Steel Duct	74.96	33.10
For Flat Oval, Add	2.97	
For Work In Restricted Working Space, Add	16.55	
23 31 13 13-0270 LF 26" x 26", 24 Gauge Galvanized Steel Duct	72.19	31.88
For Flat Oval, Add	2.86	
For Work In Restricted Working Space, Add	15.94	
23 31 13 13-0271 LF 26" x 28", 24 Gauge Galvanized Steel Duct	74.96	33.10
For Flat Oval, Add	2.97	
For Work In Restricted Working Space, Add	16.55	
23 31 13 13-0272 LF 26" x 30", 24 Gauge Galvanized Steel Duct	77.74	34.33
For Flat Oval, Add	3.08	
For Work In Restricted Working Space, Add	17.17	
23 31 13 13-0273 LF 28" x 28", 24 Gauge Galvanized Steel Duct	77.74	34.33
For Flat Oval, Add	3.08	
For Work In Restricted Working Space, Add	17.17	
23 31 13 13-0274 LF 28" x 30", 24 Gauge Galvanized Steel Duct	80.52	35.56
For Flat Oval, Add	3.19	
For Work In Restricted Working Space, Add	17.78	
23 31 13 13-0275 LF 30" x 30", 24 Gauge Galvanized Steel Duct	83.30	36.79
For Flat Oval, Add	3.30	
For Work In Restricted Working Space, Add	18.39	
23 31 13 13-0276 22 Gauge Galvanized Steel Duct (23 31 13 13-0009)		
23 31 13 13-0277 LF 4" x 4", 22 Gauge Galvanized Steel Duct	13.51	5.97
For Flat Oval, Add	0.54	
For Work In Restricted Working Space, Add	2.98	
23 31 13 13-0278 LF 4" x 6", 22 Gauge Galvanized Steel Duct	16.89	7.46
For Flat Oval, Add	0.67	
For Work In Restricted Working Space, Add	3.73	
23 31 13 13-0279 LF 4" x 8", 22 Gauge Galvanized Steel Duct	20.26	8.95
For Flat Oval, Add	0.80	
For Work In Restricted Working Space, Add	4.47	
23 31 13 13-0280 LF 4" x 10", 22 Gauge Galvanized Steel Duct	23.64	10.44
For Flat Oval, Add	0.94	
For Work In Restricted Working Space, Add	5.22	
23 31 13 13-0281 LF 4" x 12", 22 Gauge Galvanized Steel Duct	27.01	11.92
For Flat Oval, Add	1.07	
For Work In Restricted Working Space, Add	5.96	
23 31 13 13-0282 LF 4" x 14", 22 Gauge Galvanized Steel Duct	30.39	13.42
For Flat Oval, Add	1.20	
For Work In Restricted Working Space, Add	6.71	
23 31 13 13-0283 LF 4" x 16", 22 Gauge Galvanized Steel Duct	33.77	14.91
For Flat Oval, Add	1.34	
For Work In Restricted Working Space, Add	7.46	
23 31 13 13-0284 LF 6" x 6", 22 Gauge Galvanized Steel Duct	20.26	8.95
For Flat Oval, Add	0.80	
For Work In Restricted Working Space, Add	4.47	
23 31 13 13-0285 LF 6" x 8", 22 Gauge Galvanized Steel Duct	23.64	10.44
For Flat Oval, Add	0.94	
For Work In Restricted Working Space, Add	5.22	
23 31 13 13-0286 LF 6" x 10", 22 Gauge Galvanized Steel Duct	27.01	11.92
For Flat Oval, Add	1.07	
For Work In Restricted Working Space, Add	5.96	
23 31 13 13-0287 LF 6" x 12", 22 Gauge Galvanized Steel Duct	30.39	13.42
For Flat Oval, Add	1.20	
For Work In Restricted Working Space, Add	6.71	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0288 LF 6" x 14", 22 Gauge Galvanized Steel Duct	33.77	14.91
<i>For Flat Oval, Add</i>	1.34	
<i>For Work In Restricted Working Space, Add</i>	7.46	
23 31 13 13-0289 LF 6" x 16", 22 Gauge Galvanized Steel Duct	37.15	16.40
<i>For Flat Oval, Add</i>	1.47	
<i>For Work In Restricted Working Space, Add</i>	8.20	
23 31 13 13-0290 LF 8" x 8", 22 Gauge Galvanized Steel Duct	27.01	11.92
<i>For Flat Oval, Add</i>	1.07	
<i>For Work In Restricted Working Space, Add</i>	5.96	
23 31 13 13-0291 LF 8" x 10", 22 Gauge Galvanized Steel Duct	30.39	13.42
<i>For Flat Oval, Add</i>	1.20	
<i>For Work In Restricted Working Space, Add</i>	6.71	
23 31 13 13-0292 LF 8" x 12", 22 Gauge Galvanized Steel Duct	33.77	14.91
<i>For Flat Oval, Add</i>	1.34	
<i>For Work In Restricted Working Space, Add</i>	7.46	
23 31 13 13-0293 LF 8" x 14", 22 Gauge Galvanized Steel Duct	37.15	16.40
<i>For Flat Oval, Add</i>	1.47	
<i>For Work In Restricted Working Space, Add</i>	8.20	
23 31 13 13-0294 LF 8" x 16", 22 Gauge Galvanized Steel Duct	40.52	17.90
<i>For Flat Oval, Add</i>	1.61	
<i>For Work In Restricted Working Space, Add</i>	8.95	
23 31 13 13-0295 LF 8" x 18", 22 Gauge Galvanized Steel Duct	43.90	19.39
<i>For Flat Oval, Add</i>	1.74	
<i>For Work In Restricted Working Space, Add</i>	9.69	
23 31 13 13-0296 LF 8" x 20", 22 Gauge Galvanized Steel Duct	47.27	20.88
<i>For Flat Oval, Add</i>	1.87	
<i>For Work In Restricted Working Space, Add</i>	10.44	
23 31 13 13-0297 LF 8" x 22", 22 Gauge Galvanized Steel Duct	50.66	22.37
<i>For Flat Oval, Add</i>	2.01	
<i>For Work In Restricted Working Space, Add</i>	11.19	
23 31 13 13-0298 LF 8" x 24", 22 Gauge Galvanized Steel Duct	54.02	23.87
<i>For Flat Oval, Add</i>	2.14	
<i>For Work In Restricted Working Space, Add</i>	11.93	
23 31 13 13-0299 LF 10" x 10", 22 Gauge Galvanized Steel Duct	33.77	14.91
<i>For Flat Oval, Add</i>	1.34	
<i>For Work In Restricted Working Space, Add</i>	7.46	
23 31 13 13-0300 LF 10" x 12", 22 Gauge Galvanized Steel Duct	37.15	16.40
<i>For Flat Oval, Add</i>	1.47	
<i>For Work In Restricted Working Space, Add</i>	8.20	
23 31 13 13-0301 LF 10" x 14", 22 Gauge Galvanized Steel Duct	40.52	17.90
<i>For Flat Oval, Add</i>	1.61	
<i>For Work In Restricted Working Space, Add</i>	8.95	
23 31 13 13-0302 LF 10" x 16", 22 Gauge Galvanized Steel Duct	43.90	19.39
<i>For Flat Oval, Add</i>	1.74	
<i>For Work In Restricted Working Space, Add</i>	9.69	
23 31 13 13-0303 LF 10" x 18", 22 Gauge Galvanized Steel Duct	47.27	20.88
<i>For Flat Oval, Add</i>	1.87	
<i>For Work In Restricted Working Space, Add</i>	10.44	
23 31 13 13-0304 LF 10" x 20", 22 Gauge Galvanized Steel Duct	50.66	22.37
<i>For Flat Oval, Add</i>	2.01	
<i>For Work In Restricted Working Space, Add</i>	11.19	
23 31 13 13-0305 LF 10" x 22", 22 Gauge Galvanized Steel Duct	54.02	23.87
<i>For Flat Oval, Add</i>	2.14	
<i>For Work In Restricted Working Space, Add</i>	11.93	
23 31 13 13-0306 LF 10" x 24", 22 Gauge Galvanized Steel Duct	57.41	25.35
<i>For Flat Oval, Add</i>	2.27	
<i>For Work In Restricted Working Space, Add</i>	12.68	
23 31 13 13-0307 LF 10" x 26", 22 Gauge Galvanized Steel Duct	60.79	26.85
<i>For Flat Oval, Add</i>	2.41	
<i>For Work In Restricted Working Space, Add</i>	13.42	
23 31 13 13-0308 LF 10" x 28", 22 Gauge Galvanized Steel Duct	64.17	28.33
<i>For Flat Oval, Add</i>	2.54	
<i>For Work In Restricted Working Space, Add</i>	14.17	
23 31 13 13-0309 LF 10" x 30", 22 Gauge Galvanized Steel Duct	67.54	29.82
<i>For Flat Oval, Add</i>	2.67	
<i>For Work In Restricted Working Space, Add</i>	14.91	
23 31 13 13-0310 LF 10" x 32", 22 Gauge Galvanized Steel Duct	70.91	31.32
<i>For Flat Oval, Add</i>	2.81	
<i>For Work In Restricted Working Space, Add</i>	15.66	
23 31 13 13-0311 LF 12" x 12", 22 Gauge Galvanized Steel Duct	40.52	17.90
<i>For Flat Oval, Add</i>	1.61	
<i>For Work In Restricted Working Space, Add</i>	8.95	
23 31 13 13-0312 LF 12" x 14", 22 Gauge Galvanized Steel Duct	43.90	19.39
<i>For Flat Oval, Add</i>	1.74	
<i>For Work In Restricted Working Space, Add</i>	9.69	
23 31 13 13-0313 LF 12" x 16", 22 Gauge Galvanized Steel Duct	47.27	20.88
<i>For Flat Oval, Add</i>	1.87	
<i>For Work In Restricted Working Space, Add</i>	10.44	
23 31 13 13-0314 LF 12" x 18", 22 Gauge Galvanized Steel Duct	50.66	22.37
<i>For Flat Oval, Add</i>	2.01	
<i>For Work In Restricted Working Space, Add</i>	11.19	
23 31 13 13-0315 LF 12" x 20", 22 Gauge Galvanized Steel Duct	54.02	23.87
<i>For Flat Oval, Add</i>	2.14	
<i>For Work In Restricted Working Space, Add</i>	11.93	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 31 HVAC Ducts And Casings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31	13 13-0316	LF	12" x 22", 22 Gauge Galvanized Steel Duct	57.41	25.35
			<i>For Flat Oval, Add</i>	2.27	
			<i>For Work In Restricted Working Space, Add</i>	12.68	
23 31	13 13-0317	LF	12" x 24", 22 Gauge Galvanized Steel Duct	60.79	26.85
			<i>For Flat Oval, Add</i>	2.41	
			<i>For Work In Restricted Working Space, Add</i>	13.42	
23 31	13 13-0318	LF	12" x 26", 22 Gauge Galvanized Steel Duct	64.17	28.33
			<i>For Flat Oval, Add</i>	2.54	
			<i>For Work In Restricted Working Space, Add</i>	14.17	
23 31	13 13-0319	LF	12" x 28", 22 Gauge Galvanized Steel Duct	67.54	29.82
			<i>For Flat Oval, Add</i>	2.67	
			<i>For Work In Restricted Working Space, Add</i>	14.91	
23 31	13 13-0320	LF	12" x 30", 22 Gauge Galvanized Steel Duct	70.91	31.32
			<i>For Flat Oval, Add</i>	2.81	
			<i>For Work In Restricted Working Space, Add</i>	15.66	
23 31	13 13-0321	LF	12" x 32", 22 Gauge Galvanized Steel Duct	74.29	32.81
			<i>For Flat Oval, Add</i>	2.94	
			<i>For Work In Restricted Working Space, Add</i>	16.40	
23 31	13 13-0322	LF	12" x 34", 22 Gauge Galvanized Steel Duct	77.68	34.30
			<i>For Flat Oval, Add</i>	3.08	
			<i>For Work In Restricted Working Space, Add</i>	17.15	
23 31	13 13-0323	LF	12" x 36", 22 Gauge Galvanized Steel Duct	81.05	35.79
			<i>For Flat Oval, Add</i>	3.21	
			<i>For Work In Restricted Working Space, Add</i>	17.90	
23 31	13 13-0324	LF	14" x 14", 22 Gauge Galvanized Steel Duct	47.27	20.88
			<i>For Flat Oval, Add</i>	1.87	
			<i>For Work In Restricted Working Space, Add</i>	10.44	
23 31	13 13-0325	LF	14" x 16", 22 Gauge Galvanized Steel Duct	50.66	22.37
			<i>For Flat Oval, Add</i>	2.01	
			<i>For Work In Restricted Working Space, Add</i>	11.19	
23 31	13 13-0326	LF	14" x 18", 22 Gauge Galvanized Steel Duct	54.02	23.87
			<i>For Flat Oval, Add</i>	2.14	
			<i>For Work In Restricted Working Space, Add</i>	11.93	
23 31	13 13-0327	LF	14" x 20", 22 Gauge Galvanized Steel Duct	57.41	25.35
			<i>For Flat Oval, Add</i>	2.27	
			<i>For Work In Restricted Working Space, Add</i>	12.68	
23 31	13 13-0328	LF	14" x 22", 22 Gauge Galvanized Steel Duct	60.79	26.85
			<i>For Flat Oval, Add</i>	2.41	
			<i>For Work In Restricted Working Space, Add</i>	13.42	
23 31	13 13-0329	LF	14" x 24", 22 Gauge Galvanized Steel Duct	64.17	28.33
			<i>For Flat Oval, Add</i>	2.54	
			<i>For Work In Restricted Working Space, Add</i>	14.17	
23 31	13 13-0330	LF	14" x 26", 22 Gauge Galvanized Steel Duct	67.54	29.82
			<i>For Flat Oval, Add</i>	2.67	
			<i>For Work In Restricted Working Space, Add</i>	14.91	
23 31	13 13-0331	LF	14" x 28", 22 Gauge Galvanized Steel Duct	70.91	31.32
			<i>For Flat Oval, Add</i>	2.81	
			<i>For Work In Restricted Working Space, Add</i>	15.66	
23 31	13 13-0332	LF	14" x 30", 22 Gauge Galvanized Steel Duct	74.29	32.81
			<i>For Flat Oval, Add</i>	2.94	
			<i>For Work In Restricted Working Space, Add</i>	16.40	
23 31	13 13-0333	LF	14" x 32", 22 Gauge Galvanized Steel Duct	77.68	34.30
			<i>For Flat Oval, Add</i>	3.08	
			<i>For Work In Restricted Working Space, Add</i>	17.15	
23 31	13 13-0334	LF	14" x 34", 22 Gauge Galvanized Steel Duct	81.05	35.79
			<i>For Flat Oval, Add</i>	3.21	
			<i>For Work In Restricted Working Space, Add</i>	17.90	
23 31	13 13-0335	LF	14" x 36", 22 Gauge Galvanized Steel Duct	84.42	37.29
			<i>For Flat Oval, Add</i>	3.34	
			<i>For Work In Restricted Working Space, Add</i>	18.64	
23 31	13 13-0336	LF	16" x 16", 22 Gauge Galvanized Steel Duct	54.02	23.87
			<i>For Flat Oval, Add</i>	2.14	
			<i>For Work In Restricted Working Space, Add</i>	11.93	
23 31	13 13-0337	LF	16" x 18", 22 Gauge Galvanized Steel Duct	57.41	25.35
			<i>For Flat Oval, Add</i>	2.27	
			<i>For Work In Restricted Working Space, Add</i>	12.68	
23 31	13 13-0338	LF	16" x 20", 22 Gauge Galvanized Steel Duct	60.79	26.85
			<i>For Flat Oval, Add</i>	2.41	
			<i>For Work In Restricted Working Space, Add</i>	13.42	
23 31	13 13-0339	LF	16" x 22", 22 Gauge Galvanized Steel Duct	64.17	28.33
			<i>For Flat Oval, Add</i>	2.54	
			<i>For Work In Restricted Working Space, Add</i>	14.17	
23 31	13 13-0340	LF	16" x 24", 22 Gauge Galvanized Steel Duct	67.54	29.82
			<i>For Flat Oval, Add</i>	2.67	
			<i>For Work In Restricted Working Space, Add</i>	14.91	
23 31	13 13-0341	LF	16" x 26", 22 Gauge Galvanized Steel Duct	70.91	31.32
			<i>For Flat Oval, Add</i>	2.81	
			<i>For Work In Restricted Working Space, Add</i>	15.66	
23 31	13 13-0342	LF	16" x 28", 22 Gauge Galvanized Steel Duct	74.29	32.81
			<i>For Flat Oval, Add</i>	2.94	
			<i>For Work In Restricted Working Space, Add</i>	16.40	
23 31	13 13-0343	LF	16" x 30", 22 Gauge Galvanized Steel Duct	77.68	34.30
			<i>For Flat Oval, Add</i>	3.08	
			<i>For Work In Restricted Working Space, Add</i>	17.15	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0344 LF 16" x 32", 22 Gauge Galvanized Steel Duct	81.05	35.79
For Flat Oval, Add	3.21	
For Work In Restricted Working Space, Add	17.90	
23 31 13 13-0345 LF 16" x 34", 22 Gauge Galvanized Steel Duct	84.42	37.29
For Flat Oval, Add	3.34	
For Work In Restricted Working Space, Add	18.64	
23 31 13 13-0346 LF 16" x 36", 22 Gauge Galvanized Steel Duct	87.80	38.77
For Flat Oval, Add	3.48	
For Work In Restricted Working Space, Add	19.39	
23 31 13 13-0347 LF 16" x 38", 22 Gauge Galvanized Steel Duct	91.18	40.27
For Flat Oval, Add	3.61	
For Work In Restricted Working Space, Add	20.13	
23 31 13 13-0348 LF 16" x 40", 22 Gauge Galvanized Steel Duct	94.55	41.75
For Flat Oval, Add	3.74	
For Work In Restricted Working Space, Add	20.88	
23 31 13 13-0349 LF 16" x 42", 22 Gauge Galvanized Steel Duct	97.92	43.25
For Flat Oval, Add	3.88	
For Work In Restricted Working Space, Add	21.62	
23 31 13 13-0350 LF 16" x 44", 22 Gauge Galvanized Steel Duct	101.31	44.74
For Flat Oval, Add	4.01	
For Work In Restricted Working Space, Add	22.37	
23 31 13 13-0351 LF 18" x 18", 22 Gauge Galvanized Steel Duct	60.79	26.85
For Flat Oval, Add	2.41	
For Work In Restricted Working Space, Add	13.42	
23 31 13 13-0352 LF 18" x 20", 22 Gauge Galvanized Steel Duct	64.17	28.33
For Flat Oval, Add	2.54	
For Work In Restricted Working Space, Add	14.17	
23 31 13 13-0353 LF 18" x 22", 22 Gauge Galvanized Steel Duct	67.54	29.82
For Flat Oval, Add	2.67	
For Work In Restricted Working Space, Add	14.91	
23 31 13 13-0354 LF 18" x 24", 22 Gauge Galvanized Steel Duct	70.91	31.32
For Flat Oval, Add	2.81	
For Work In Restricted Working Space, Add	15.66	
23 31 13 13-0355 LF 18" x 26", 22 Gauge Galvanized Steel Duct	74.29	32.81
For Flat Oval, Add	2.94	
For Work In Restricted Working Space, Add	16.40	
23 31 13 13-0356 LF 18" x 28", 22 Gauge Galvanized Steel Duct	77.68	34.30
For Flat Oval, Add	3.08	
For Work In Restricted Working Space, Add	17.15	
23 31 13 13-0357 LF 18" x 30", 22 Gauge Galvanized Steel Duct	81.05	35.79
For Flat Oval, Add	3.21	
For Work In Restricted Working Space, Add	17.90	
23 31 13 13-0358 LF 18" x 32", 22 Gauge Galvanized Steel Duct	84.42	37.29
For Flat Oval, Add	3.34	
For Work In Restricted Working Space, Add	18.64	
23 31 13 13-0359 LF 18" x 34", 22 Gauge Galvanized Steel Duct	87.80	38.77
For Flat Oval, Add	3.48	
For Work In Restricted Working Space, Add	19.39	
23 31 13 13-0360 LF 18" x 36", 22 Gauge Galvanized Steel Duct	91.18	40.27
For Flat Oval, Add	3.61	
For Work In Restricted Working Space, Add	20.13	
23 31 13 13-0361 LF 18" x 38", 22 Gauge Galvanized Steel Duct	94.55	41.75
For Flat Oval, Add	3.74	
For Work In Restricted Working Space, Add	20.88	
23 31 13 13-0362 LF 18" x 40", 22 Gauge Galvanized Steel Duct	97.92	43.25
For Flat Oval, Add	3.88	
For Work In Restricted Working Space, Add	21.62	
23 31 13 13-0363 LF 18" x 42", 22 Gauge Galvanized Steel Duct	101.31	44.74
For Flat Oval, Add	4.01	
For Work In Restricted Working Space, Add	22.37	
23 31 13 13-0364 LF 18" x 44", 22 Gauge Galvanized Steel Duct	104.69	46.22
For Flat Oval, Add	4.15	
For Work In Restricted Working Space, Add	23.12	
23 31 13 13-0365 LF 18" x 46", 22 Gauge Galvanized Steel Duct	108.07	47.72
For Flat Oval, Add	4.28	
For Work In Restricted Working Space, Add	23.86	
23 31 13 13-0366 LF 20" x 20", 22 Gauge Galvanized Steel Duct	67.54	29.82
For Flat Oval, Add	2.67	
For Work In Restricted Working Space, Add	14.91	
23 31 13 13-0367 LF 20" x 22", 22 Gauge Galvanized Steel Duct	70.91	31.32
For Flat Oval, Add	2.81	
For Work In Restricted Working Space, Add	15.66	
23 31 13 13-0368 LF 20" x 24", 22 Gauge Galvanized Steel Duct	74.29	32.81
For Flat Oval, Add	2.94	
For Work In Restricted Working Space, Add	16.40	
23 31 13 13-0369 LF 20" x 26", 22 Gauge Galvanized Steel Duct	77.68	34.30
For Flat Oval, Add	3.08	
For Work In Restricted Working Space, Add	17.15	
23 31 13 13-0370 LF 20" x 28", 22 Gauge Galvanized Steel Duct	81.05	35.79
For Flat Oval, Add	3.21	
For Work In Restricted Working Space, Add	17.90	
23 31 13 13-0371 LF 20" x 30", 22 Gauge Galvanized Steel Duct	84.42	37.29
For Flat Oval, Add	3.34	
For Work In Restricted Working Space, Add	18.64	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 31 HVAC Ducts And Casings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13	13-0372	LF	20" x 32", 22 Gauge Galvanized Steel Duct	87.80	38.77
			<i>For Flat Oval, Add</i>	3.48	
			<i>For Work In Restricted Working Space, Add</i>	19.39	
23 31 13	13-0373	LF	20" x 34", 22 Gauge Galvanized Steel Duct	91.18	40.27
			<i>For Flat Oval, Add</i>	3.61	
			<i>For Work In Restricted Working Space, Add</i>	20.13	
23 31 13	13-0374	LF	20" x 36", 22 Gauge Galvanized Steel Duct	94.55	41.75
			<i>For Flat Oval, Add</i>	3.74	
			<i>For Work In Restricted Working Space, Add</i>	20.88	
23 31 13	13-0375	LF	20" x 38", 22 Gauge Galvanized Steel Duct	97.92	43.25
			<i>For Flat Oval, Add</i>	3.88	
			<i>For Work In Restricted Working Space, Add</i>	21.62	
23 31 13	13-0376	LF	20" x 40", 22 Gauge Galvanized Steel Duct	101.31	44.74
			<i>For Flat Oval, Add</i>	4.01	
			<i>For Work In Restricted Working Space, Add</i>	22.37	
23 31 13	13-0377	LF	20" x 42", 22 Gauge Galvanized Steel Duct	104.69	46.22
			<i>For Flat Oval, Add</i>	4.15	
			<i>For Work In Restricted Working Space, Add</i>	23.12	
23 31 13	13-0378	LF	20" x 44", 22 Gauge Galvanized Steel Duct	108.07	47.72
			<i>For Flat Oval, Add</i>	4.28	
			<i>For Work In Restricted Working Space, Add</i>	23.86	
23 31 13	13-0379	LF	20" x 46", 22 Gauge Galvanized Steel Duct	111.43	49.21
			<i>For Flat Oval, Add</i>	4.41	
			<i>For Work In Restricted Working Space, Add</i>	24.60	
23 31 13	13-0380	LF	20" x 48", 22 Gauge Galvanized Steel Duct	114.81	50.70
			<i>For Flat Oval, Add</i>	4.55	
			<i>For Work In Restricted Working Space, Add</i>	25.35	
23 31 13	13-0381	LF	22" x 22", 22 Gauge Galvanized Steel Duct	74.29	32.81
			<i>For Flat Oval, Add</i>	2.94	
			<i>For Work In Restricted Working Space, Add</i>	16.40	
23 31 13	13-0382	LF	22" x 24", 22 Gauge Galvanized Steel Duct	77.68	34.30
			<i>For Flat Oval, Add</i>	3.08	
			<i>For Work In Restricted Working Space, Add</i>	17.15	
23 31 13	13-0383	LF	22" x 26", 22 Gauge Galvanized Steel Duct	81.05	35.79
			<i>For Flat Oval, Add</i>	3.21	
			<i>For Work In Restricted Working Space, Add</i>	17.90	
23 31 13	13-0384	LF	22" x 28", 22 Gauge Galvanized Steel Duct	84.42	37.29
			<i>For Flat Oval, Add</i>	3.34	
			<i>For Work In Restricted Working Space, Add</i>	18.64	
23 31 13	13-0385	LF	22" x 30", 22 Gauge Galvanized Steel Duct	87.80	38.77
			<i>For Flat Oval, Add</i>	3.48	
			<i>For Work In Restricted Working Space, Add</i>	19.39	
23 31 13	13-0386	LF	22" x 32", 22 Gauge Galvanized Steel Duct	91.18	40.27
			<i>For Flat Oval, Add</i>	3.61	
			<i>For Work In Restricted Working Space, Add</i>	20.13	
23 31 13	13-0387	LF	22" x 34", 22 Gauge Galvanized Steel Duct	94.55	41.75
			<i>For Flat Oval, Add</i>	3.74	
			<i>For Work In Restricted Working Space, Add</i>	20.88	
23 31 13	13-0388	LF	22" x 36", 22 Gauge Galvanized Steel Duct	97.92	43.25
			<i>For Flat Oval, Add</i>	3.88	
			<i>For Work In Restricted Working Space, Add</i>	21.62	
23 31 13	13-0389	LF	22" x 38", 22 Gauge Galvanized Steel Duct	101.31	44.74
			<i>For Flat Oval, Add</i>	4.01	
			<i>For Work In Restricted Working Space, Add</i>	22.37	
23 31 13	13-0390	LF	22" x 40", 22 Gauge Galvanized Steel Duct	104.69	46.22
			<i>For Flat Oval, Add</i>	4.15	
			<i>For Work In Restricted Working Space, Add</i>	23.12	
23 31 13	13-0391	LF	22" x 42", 22 Gauge Galvanized Steel Duct	108.07	47.72
			<i>For Flat Oval, Add</i>	4.28	
			<i>For Work In Restricted Working Space, Add</i>	23.86	
23 31 13	13-0392	LF	22" x 44", 22 Gauge Galvanized Steel Duct	111.43	49.21
			<i>For Flat Oval, Add</i>	4.41	
			<i>For Work In Restricted Working Space, Add</i>	24.60	
23 31 13	13-0393	LF	22" x 46", 22 Gauge Galvanized Steel Duct	114.81	50.70
			<i>For Flat Oval, Add</i>	4.55	
			<i>For Work In Restricted Working Space, Add</i>	25.35	
23 31 13	13-0394	LF	22" x 48", 22 Gauge Galvanized Steel Duct	118.20	52.19
			<i>For Flat Oval, Add</i>	4.68	
			<i>For Work In Restricted Working Space, Add</i>	26.10	
23 31 13	13-0395	LF	24" x 24", 22 Gauge Galvanized Steel Duct	81.05	35.79
			<i>For Flat Oval, Add</i>	3.21	
			<i>For Work In Restricted Working Space, Add</i>	17.90	
23 31 13	13-0396	LF	24" x 26", 22 Gauge Galvanized Steel Duct	84.42	37.29
			<i>For Flat Oval, Add</i>	3.34	
			<i>For Work In Restricted Working Space, Add</i>	18.64	
23 31 13	13-0397	LF	24" x 28", 22 Gauge Galvanized Steel Duct	87.80	38.77
			<i>For Flat Oval, Add</i>	3.48	
			<i>For Work In Restricted Working Space, Add</i>	19.39	
23 31 13	13-0398	LF	24" x 30", 22 Gauge Galvanized Steel Duct	91.18	40.27
			<i>For Flat Oval, Add</i>	3.61	
			<i>For Work In Restricted Working Space, Add</i>	20.13	
23 31 13	13-0399	LF	24" x 32", 22 Gauge Galvanized Steel Duct	94.55	41.75
			<i>For Flat Oval, Add</i>	3.74	
			<i>For Work In Restricted Working Space, Add</i>	20.88	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0400 LF 24" x 34", 22 Gauge Galvanized Steel Duct	97.92	43.25
For Flat Oval, Add	3.88	
For Work In Restricted Working Space, Add	21.62	
23 31 13 13-0401 LF 24" x 36", 22 Gauge Galvanized Steel Duct	101.31	44.74
For Flat Oval, Add	4.01	
For Work In Restricted Working Space, Add	22.37	
23 31 13 13-0402 LF 24" x 38", 22 Gauge Galvanized Steel Duct	104.69	46.22
For Flat Oval, Add	4.15	
For Work In Restricted Working Space, Add	23.12	
23 31 13 13-0403 LF 24" x 40", 22 Gauge Galvanized Steel Duct	108.07	47.72
For Flat Oval, Add	4.28	
For Work In Restricted Working Space, Add	23.86	
23 31 13 13-0404 LF 24" x 42", 22 Gauge Galvanized Steel Duct	111.43	49.21
For Flat Oval, Add	4.41	
For Work In Restricted Working Space, Add	24.60	
23 31 13 13-0405 LF 24" x 44", 22 Gauge Galvanized Steel Duct	114.81	50.70
For Flat Oval, Add	4.55	
For Work In Restricted Working Space, Add	25.35	
23 31 13 13-0406 LF 24" x 46", 22 Gauge Galvanized Steel Duct	118.20	52.19
For Flat Oval, Add	4.68	
For Work In Restricted Working Space, Add	26.10	
23 31 13 13-0407 LF 24" x 48", 22 Gauge Galvanized Steel Duct	121.58	53.69
For Flat Oval, Add	4.82	
For Work In Restricted Working Space, Add	26.84	
23 31 13 13-0408 LF 26" x 26", 22 Gauge Galvanized Steel Duct	87.80	38.77
For Flat Oval, Add	3.48	
For Work In Restricted Working Space, Add	19.39	
23 31 13 13-0409 LF 26" x 28", 22 Gauge Galvanized Steel Duct	91.18	40.27
For Flat Oval, Add	3.61	
For Work In Restricted Working Space, Add	20.13	
23 31 13 13-0410 LF 26" x 30", 22 Gauge Galvanized Steel Duct	94.55	41.75
For Flat Oval, Add	3.74	
For Work In Restricted Working Space, Add	20.88	
23 31 13 13-0411 LF 26" x 32", 22 Gauge Galvanized Steel Duct	97.92	43.25
For Flat Oval, Add	3.88	
For Work In Restricted Working Space, Add	21.62	
23 31 13 13-0412 LF 26" x 34", 22 Gauge Galvanized Steel Duct	101.31	44.74
For Flat Oval, Add	4.01	
For Work In Restricted Working Space, Add	22.37	
23 31 13 13-0413 LF 26" x 36", 22 Gauge Galvanized Steel Duct	104.69	46.22
For Flat Oval, Add	4.15	
For Work In Restricted Working Space, Add	23.12	
23 31 13 13-0414 LF 26" x 38", 22 Gauge Galvanized Steel Duct	108.07	47.72
For Flat Oval, Add	4.28	
For Work In Restricted Working Space, Add	23.86	
23 31 13 13-0415 LF 26" x 40", 22 Gauge Galvanized Steel Duct	111.43	49.21
For Flat Oval, Add	4.41	
For Work In Restricted Working Space, Add	24.60	
23 31 13 13-0416 LF 26" x 42", 22 Gauge Galvanized Steel Duct	114.81	50.70
For Flat Oval, Add	4.55	
For Work In Restricted Working Space, Add	25.35	
23 31 13 13-0417 LF 26" x 44", 22 Gauge Galvanized Steel Duct	118.20	52.19
For Flat Oval, Add	4.68	
For Work In Restricted Working Space, Add	26.10	
23 31 13 13-0418 LF 26" x 46", 22 Gauge Galvanized Steel Duct	121.58	53.69
For Flat Oval, Add	4.82	
For Work In Restricted Working Space, Add	26.84	
23 31 13 13-0419 LF 26" x 48", 22 Gauge Galvanized Steel Duct	124.95	55.17
For Flat Oval, Add	4.95	
For Work In Restricted Working Space, Add	27.59	
23 31 13 13-0420 LF 28" x 28", 22 Gauge Galvanized Steel Duct	94.55	41.75
For Flat Oval, Add	3.74	
For Work In Restricted Working Space, Add	20.88	
23 31 13 13-0421 LF 28" x 30", 22 Gauge Galvanized Steel Duct	97.92	43.25
For Flat Oval, Add	3.88	
For Work In Restricted Working Space, Add	21.62	
23 31 13 13-0422 LF 28" x 32", 22 Gauge Galvanized Steel Duct	101.31	44.74
For Flat Oval, Add	4.01	
For Work In Restricted Working Space, Add	22.37	
23 31 13 13-0423 LF 28" x 34", 22 Gauge Galvanized Steel Duct	104.69	46.22
For Flat Oval, Add	4.15	
For Work In Restricted Working Space, Add	23.12	
23 31 13 13-0424 LF 28" x 36", 22 Gauge Galvanized Steel Duct	108.07	47.72
For Flat Oval, Add	4.28	
For Work In Restricted Working Space, Add	23.86	
23 31 13 13-0425 LF 28" x 38", 22 Gauge Galvanized Steel Duct	111.43	49.21
For Flat Oval, Add	4.41	
For Work In Restricted Working Space, Add	24.60	
23 31 13 13-0426 LF 28" x 40", 22 Gauge Galvanized Steel Duct	114.81	50.70
For Flat Oval, Add	4.55	
For Work In Restricted Working Space, Add	25.35	
23 31 13 13-0427 LF 28" x 42", 22 Gauge Galvanized Steel Duct	118.20	52.19
For Flat Oval, Add	4.68	
For Work In Restricted Working Space, Add	26.10	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 31 HVAC Ducts And Casings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0428	LF		28" x 44", 22 Gauge Galvanized Steel Duct	121.58	53.69
			<i>For Flat Oval, Add</i>	4.82	
			<i>For Work In Restricted Working Space, Add</i>	26.84	
23 31 13 13-0429	LF		28" x 46", 22 Gauge Galvanized Steel Duct	124.95	55.17
			<i>For Flat Oval, Add</i>	4.95	
			<i>For Work In Restricted Working Space, Add</i>	27.59	
23 31 13 13-0430	LF		28" x 48", 22 Gauge Galvanized Steel Duct	128.32	56.67
			<i>For Flat Oval, Add</i>	5.08	
			<i>For Work In Restricted Working Space, Add</i>	28.33	
23 31 13 13-0431	LF		30" x 30", 22 Gauge Galvanized Steel Duct	101.31	44.74
			<i>For Flat Oval, Add</i>	4.01	
			<i>For Work In Restricted Working Space, Add</i>	22.37	
23 31 13 13-0432	LF		30" x 32", 22 Gauge Galvanized Steel Duct	104.69	46.22
			<i>For Flat Oval, Add</i>	4.15	
			<i>For Work In Restricted Working Space, Add</i>	23.12	
23 31 13 13-0433	LF		30" x 34", 22 Gauge Galvanized Steel Duct	108.07	47.72
			<i>For Flat Oval, Add</i>	4.28	
			<i>For Work In Restricted Working Space, Add</i>	23.86	
23 31 13 13-0434	LF		30" x 36", 22 Gauge Galvanized Steel Duct	111.43	49.21
			<i>For Flat Oval, Add</i>	4.41	
			<i>For Work In Restricted Working Space, Add</i>	24.60	
23 31 13 13-0435	LF		30" x 38", 22 Gauge Galvanized Steel Duct	114.81	50.70
			<i>For Flat Oval, Add</i>	4.55	
			<i>For Work In Restricted Working Space, Add</i>	25.35	
23 31 13 13-0436	LF		30" x 40", 22 Gauge Galvanized Steel Duct	118.20	52.19
			<i>For Flat Oval, Add</i>	4.68	
			<i>For Work In Restricted Working Space, Add</i>	26.10	
23 31 13 13-0437	LF		30" x 42", 22 Gauge Galvanized Steel Duct	121.58	53.69
			<i>For Flat Oval, Add</i>	4.82	
			<i>For Work In Restricted Working Space, Add</i>	26.84	
23 31 13 13-0438	LF		30" x 44", 22 Gauge Galvanized Steel Duct	124.95	55.17
			<i>For Flat Oval, Add</i>	4.95	
			<i>For Work In Restricted Working Space, Add</i>	27.59	
23 31 13 13-0439	LF		30" x 46", 22 Gauge Galvanized Steel Duct	128.32	56.67
			<i>For Flat Oval, Add</i>	5.08	
			<i>For Work In Restricted Working Space, Add</i>	28.33	
23 31 13 13-0440	LF		30" x 48", 22 Gauge Galvanized Steel Duct	131.71	58.16
			<i>For Flat Oval, Add</i>	5.22	
			<i>For Work In Restricted Working Space, Add</i>	29.08	
23 31 13 13-0441	LF		32" x 32", 22 Gauge Galvanized Steel Duct	108.07	47.72
			<i>For Flat Oval, Add</i>	4.28	
			<i>For Work In Restricted Working Space, Add</i>	23.86	
23 31 13 13-0442	LF		32" x 34", 22 Gauge Galvanized Steel Duct	111.43	49.21
			<i>For Flat Oval, Add</i>	4.41	
			<i>For Work In Restricted Working Space, Add</i>	24.60	
23 31 13 13-0443	LF		32" x 36", 22 Gauge Galvanized Steel Duct	114.81	50.70
			<i>For Flat Oval, Add</i>	4.55	
			<i>For Work In Restricted Working Space, Add</i>	25.35	
23 31 13 13-0444	LF		32" x 38", 22 Gauge Galvanized Steel Duct	118.20	52.19
			<i>For Flat Oval, Add</i>	4.68	
			<i>For Work In Restricted Working Space, Add</i>	26.10	
23 31 13 13-0445	LF		32" x 40", 22 Gauge Galvanized Steel Duct	121.58	53.69
			<i>For Flat Oval, Add</i>	4.82	
			<i>For Work In Restricted Working Space, Add</i>	26.84	
23 31 13 13-0446	LF		32" x 42", 22 Gauge Galvanized Steel Duct	124.95	55.17
			<i>For Flat Oval, Add</i>	4.95	
			<i>For Work In Restricted Working Space, Add</i>	27.59	
23 31 13 13-0447	LF		32" x 44", 22 Gauge Galvanized Steel Duct	128.32	56.67
			<i>For Flat Oval, Add</i>	5.08	
			<i>For Work In Restricted Working Space, Add</i>	28.33	
23 31 13 13-0448	LF		32" x 46", 22 Gauge Galvanized Steel Duct	131.71	58.16
			<i>For Flat Oval, Add</i>	5.22	
			<i>For Work In Restricted Working Space, Add</i>	29.08	
23 31 13 13-0449	LF		32" x 48", 22 Gauge Galvanized Steel Duct	135.08	59.65
			<i>For Flat Oval, Add</i>	5.35	
			<i>For Work In Restricted Working Space, Add</i>	29.83	
23 31 13 13-0450	LF		34" x 34", 22 Gauge Galvanized Steel Duct	114.81	50.70
			<i>For Flat Oval, Add</i>	4.55	
			<i>For Work In Restricted Working Space, Add</i>	25.35	
23 31 13 13-0451	LF		34" x 36", 22 Gauge Galvanized Steel Duct	118.20	52.19
			<i>For Flat Oval, Add</i>	4.68	
			<i>For Work In Restricted Working Space, Add</i>	26.10	
23 31 13 13-0452	LF		34" x 38", 22 Gauge Galvanized Steel Duct	121.58	53.69
			<i>For Flat Oval, Add</i>	4.82	
			<i>For Work In Restricted Working Space, Add</i>	26.84	
23 31 13 13-0453	LF		34" x 40", 22 Gauge Galvanized Steel Duct	124.95	55.17
			<i>For Flat Oval, Add</i>	4.95	
			<i>For Work In Restricted Working Space, Add</i>	27.59	
23 31 13 13-0454	LF		34" x 42", 22 Gauge Galvanized Steel Duct	128.32	56.67
			<i>For Flat Oval, Add</i>	5.08	
			<i>For Work In Restricted Working Space, Add</i>	28.33	
23 31 13 13-0455	LF		34" x 44", 22 Gauge Galvanized Steel Duct	131.71	58.16
			<i>For Flat Oval, Add</i>	5.22	
			<i>For Work In Restricted Working Space, Add</i>	29.08	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0456 LF 34" x 46", 22 Gauge Galvanized Steel Duct	135.08	59.65
For Flat Oval, Add	5.35	
For Work In Restricted Working Space, Add	29.83	
23 31 13 13-0457 LF 34" x 48", 22 Gauge Galvanized Steel Duct	138.45	61.15
For Flat Oval, Add	5.48	
For Work In Restricted Working Space, Add	30.57	
23 31 13 13-0458 LF 36" x 36", 22 Gauge Galvanized Steel Duct	121.58	53.69
For Flat Oval, Add	4.82	
For Work In Restricted Working Space, Add	26.84	
23 31 13 13-0459 LF 36" x 38", 22 Gauge Galvanized Steel Duct	124.95	55.17
For Flat Oval, Add	4.95	
For Work In Restricted Working Space, Add	27.59	
23 31 13 13-0460 LF 36" x 40", 22 Gauge Galvanized Steel Duct	128.32	56.67
For Flat Oval, Add	5.08	
For Work In Restricted Working Space, Add	28.33	
23 31 13 13-0461 LF 36" x 42", 22 Gauge Galvanized Steel Duct	131.71	58.16
For Flat Oval, Add	5.22	
For Work In Restricted Working Space, Add	29.08	
23 31 13 13-0462 LF 36" x 44", 22 Gauge Galvanized Steel Duct	135.08	59.65
For Flat Oval, Add	5.35	
For Work In Restricted Working Space, Add	29.83	
23 31 13 13-0463 LF 36" x 46", 22 Gauge Galvanized Steel Duct	138.45	61.15
For Flat Oval, Add	5.48	
For Work In Restricted Working Space, Add	30.57	
23 31 13 13-0464 LF 36" x 48", 22 Gauge Galvanized Steel Duct	141.82	62.64
For Flat Oval, Add	5.62	
For Work In Restricted Working Space, Add	31.31	
23 31 13 13-0465 LF 38" x 38", 22 Gauge Galvanized Steel Duct	128.32	56.67
For Flat Oval, Add	5.08	
For Work In Restricted Working Space, Add	28.33	
23 31 13 13-0466 LF 38" x 40", 22 Gauge Galvanized Steel Duct	131.71	58.16
For Flat Oval, Add	5.22	
For Work In Restricted Working Space, Add	29.08	
23 31 13 13-0467 LF 38" x 42", 22 Gauge Galvanized Steel Duct	135.08	59.65
For Flat Oval, Add	5.35	
For Work In Restricted Working Space, Add	29.83	
23 31 13 13-0468 LF 38" x 44", 22 Gauge Galvanized Steel Duct	138.45	61.15
For Flat Oval, Add	5.48	
For Work In Restricted Working Space, Add	30.57	
23 31 13 13-0469 LF 38" x 46", 22 Gauge Galvanized Steel Duct	141.82	62.64
For Flat Oval, Add	5.62	
For Work In Restricted Working Space, Add	31.31	
23 31 13 13-0470 LF 38" x 48", 22 Gauge Galvanized Steel Duct	145.22	64.12
For Flat Oval, Add	5.75	
For Work In Restricted Working Space, Add	32.06	
23 31 13 13-0471 LF 38" x 50", 22 Gauge Galvanized Steel Duct	148.59	65.61
For Flat Oval, Add	5.88	
For Work In Restricted Working Space, Add	32.81	
23 31 13 13-0472 LF 40" x 40", 22 Gauge Galvanized Steel Duct	135.08	59.65
For Flat Oval, Add	5.35	
For Work In Restricted Working Space, Add	29.83	
23 31 13 13-0473 LF 40" x 42", 22 Gauge Galvanized Steel Duct	138.45	61.15
For Flat Oval, Add	5.48	
For Work In Restricted Working Space, Add	30.57	
23 31 13 13-0474 LF 40" x 44", 22 Gauge Galvanized Steel Duct	141.82	62.64
For Flat Oval, Add	5.62	
For Work In Restricted Working Space, Add	31.31	
23 31 13 13-0475 LF 40" x 46", 22 Gauge Galvanized Steel Duct	145.22	64.12
For Flat Oval, Add	5.75	
For Work In Restricted Working Space, Add	32.06	
23 31 13 13-0476 LF 40" x 48", 22 Gauge Galvanized Steel Duct	148.59	65.61
For Flat Oval, Add	5.88	
For Work In Restricted Working Space, Add	32.81	
23 31 13 13-0477 LF 40" x 50", 22 Gauge Galvanized Steel Duct	151.97	67.11
For Flat Oval, Add	6.02	
For Work In Restricted Working Space, Add	33.56	
23 31 13 13-0478 LF 40" x 52", 22 Gauge Galvanized Steel Duct	155.33	68.59
For Flat Oval, Add	6.15	
For Work In Restricted Working Space, Add	34.30	
23 31 13 13-0479 LF 40" x 54", 22 Gauge Galvanized Steel Duct	158.72	70.09
For Flat Oval, Add	6.29	
For Work In Restricted Working Space, Add	35.05	
23 31 13 13-0480 LF 42" x 42", 22 Gauge Galvanized Steel Duct	141.82	62.64
For Flat Oval, Add	5.62	
For Work In Restricted Working Space, Add	31.31	
23 31 13 13-0481 LF 42" x 44", 22 Gauge Galvanized Steel Duct	145.22	64.12
For Flat Oval, Add	5.75	
For Work In Restricted Working Space, Add	32.06	
23 31 13 13-0482 LF 42" x 46", 22 Gauge Galvanized Steel Duct	148.59	65.61
For Flat Oval, Add	5.88	
For Work In Restricted Working Space, Add	32.81	
23 31 13 13-0483 LF 42" x 48", 22 Gauge Galvanized Steel Duct	151.97	67.11
For Flat Oval, Add	6.02	
For Work In Restricted Working Space, Add	33.56	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 31 HVAC Ducts And Casings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0484	LF		42" x 50", 22 Gauge Galvanized Steel Duct	155.33	68.59
			<i>For Flat Oval, Add</i>	6.15	
			<i>For Work In Restricted Working Space, Add</i>	34.30	
23 31 13 13-0485	LF		42" x 52", 22 Gauge Galvanized Steel Duct	158.72	70.09
			<i>For Flat Oval, Add</i>	6.29	
			<i>For Work In Restricted Working Space, Add</i>	35.05	
23 31 13 13-0486	LF		42" x 54", 22 Gauge Galvanized Steel Duct	162.09	71.58
			<i>For Flat Oval, Add</i>	6.42	
			<i>For Work In Restricted Working Space, Add</i>	35.79	
23 31 13 13-0487	LF		44" x 44", 22 Gauge Galvanized Steel Duct	148.59	65.61
			<i>For Flat Oval, Add</i>	5.88	
			<i>For Work In Restricted Working Space, Add</i>	32.81	
23 31 13 13-0488	LF		44" x 46", 22 Gauge Galvanized Steel Duct	151.97	67.11
			<i>For Flat Oval, Add</i>	6.02	
			<i>For Work In Restricted Working Space, Add</i>	33.56	
23 31 13 13-0489	LF		44" x 48", 22 Gauge Galvanized Steel Duct	155.33	68.59
			<i>For Flat Oval, Add</i>	6.15	
			<i>For Work In Restricted Working Space, Add</i>	34.30	
23 31 13 13-0490	LF		44" x 50", 22 Gauge Galvanized Steel Duct	158.72	70.09
			<i>For Flat Oval, Add</i>	6.29	
			<i>For Work In Restricted Working Space, Add</i>	35.05	
23 31 13 13-0491	LF		44" x 52", 22 Gauge Galvanized Steel Duct	162.09	71.58
			<i>For Flat Oval, Add</i>	6.42	
			<i>For Work In Restricted Working Space, Add</i>	35.79	
23 31 13 13-0492	LF		44" x 54", 22 Gauge Galvanized Steel Duct	165.48	73.07
			<i>For Flat Oval, Add</i>	6.55	
			<i>For Work In Restricted Working Space, Add</i>	36.54	
23 31 13 13-0493	LF		46" x 46", 22 Gauge Galvanized Steel Duct	155.33	68.59
			<i>For Flat Oval, Add</i>	6.15	
			<i>For Work In Restricted Working Space, Add</i>	34.30	
23 31 13 13-0494	LF		46" x 48", 22 Gauge Galvanized Steel Duct	158.72	70.09
			<i>For Flat Oval, Add</i>	6.29	
			<i>For Work In Restricted Working Space, Add</i>	35.05	
23 31 13 13-0495	LF		46" x 50", 22 Gauge Galvanized Steel Duct	162.09	71.58
			<i>For Flat Oval, Add</i>	6.42	
			<i>For Work In Restricted Working Space, Add</i>	35.79	
23 31 13 13-0496	LF		46" x 52", 22 Gauge Galvanized Steel Duct	165.48	73.07
			<i>For Flat Oval, Add</i>	6.55	
			<i>For Work In Restricted Working Space, Add</i>	36.54	
23 31 13 13-0497	LF		46" x 54", 22 Gauge Galvanized Steel Duct	168.84	74.56
			<i>For Flat Oval, Add</i>	6.69	
			<i>For Work In Restricted Working Space, Add</i>	37.28	
23 31 13 13-0498	LF		48" x 48", 22 Gauge Galvanized Steel Duct	162.09	71.58
			<i>For Flat Oval, Add</i>	6.42	
			<i>For Work In Restricted Working Space, Add</i>	35.79	
23 31 13 13-0499	LF		48" x 50", 22 Gauge Galvanized Steel Duct	165.48	73.07
			<i>For Flat Oval, Add</i>	6.55	
			<i>For Work In Restricted Working Space, Add</i>	36.54	
23 31 13 13-0500	LF		48" x 52", 22 Gauge Galvanized Steel Duct	168.84	74.56
			<i>For Flat Oval, Add</i>	6.69	
			<i>For Work In Restricted Working Space, Add</i>	37.28	
23 31 13 13-0501	LF		48" x 54", 22 Gauge Galvanized Steel Duct	172.23	76.06
			<i>For Flat Oval, Add</i>	6.82	
			<i>For Work In Restricted Working Space, Add</i>	38.03	
23 31 13 13-0502	LF		50" x 50", 22 Gauge Galvanized Steel Duct	168.84	74.56
			<i>For Flat Oval, Add</i>	6.69	
			<i>For Work In Restricted Working Space, Add</i>	37.28	
23 31 13 13-0503	LF		50" x 52", 22 Gauge Galvanized Steel Duct	172.23	76.06
			<i>For Flat Oval, Add</i>	6.82	
			<i>For Work In Restricted Working Space, Add</i>	38.03	
23 31 13 13-0504	LF		50" x 54", 22 Gauge Galvanized Steel Duct	175.61	77.55
			<i>For Flat Oval, Add</i>	6.95	
			<i>For Work In Restricted Working Space, Add</i>	38.78	
23 31 13 13-0505	LF		52" x 52", 22 Gauge Galvanized Steel Duct	175.61	77.55
			<i>For Flat Oval, Add</i>	6.95	
			<i>For Work In Restricted Working Space, Add</i>	38.78	
23 31 13 13-0506	LF		52" x 54", 22 Gauge Galvanized Steel Duct	178.98	79.04
			<i>For Flat Oval, Add</i>	7.09	
			<i>For Work In Restricted Working Space, Add</i>	39.52	
23 31 13 13-0507	LF		54" x 54", 22 Gauge Galvanized Steel Duct	182.36	80.54
			<i>For Flat Oval, Add</i>	7.22	
			<i>For Work In Restricted Working Space, Add</i>	40.27	
23 31 13 13-0508			20 Gauge Galvanized Steel Duct (23 31 13 13-0009)		
23 31 13 13-0509	LF		4" x 4", 20 Gauge Galvanized Steel Duct	15.90	7.02
			<i>For Flat Oval, Add</i>	0.63	
			<i>For Work In Restricted Working Space, Add</i>	3.51	
23 31 13 13-0510	LF		4" x 6", 20 Gauge Galvanized Steel Duct	19.89	8.78
			<i>For Flat Oval, Add</i>	0.79	
			<i>For Work In Restricted Working Space, Add</i>	4.39	
23 31 13 13-0511	LF		4" x 8", 20 Gauge Galvanized Steel Duct	23.88	10.53
			<i>For Flat Oval, Add</i>	0.95	
			<i>For Work In Restricted Working Space, Add</i>	5.27	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0512 LF 4" x 10", 20 Gauge Galvanized Steel Duct	27.84	12.30
<i>For Flat Oval, Add</i>	1.10	
<i>For Work In Restricted Working Space, Add</i>	6.15	
23 31 13 13-0513 LF 4" x 12", 20 Gauge Galvanized Steel Duct	31.82	14.05
<i>For Flat Oval, Add</i>	1.26	
<i>For Work In Restricted Working Space, Add</i>	7.03	
23 31 13 13-0514 LF 4" x 14", 20 Gauge Galvanized Steel Duct	35.80	15.81
<i>For Flat Oval, Add</i>	1.42	
<i>For Work In Restricted Working Space, Add</i>	7.90	
23 31 13 13-0515 LF 4" x 16", 20 Gauge Galvanized Steel Duct	39.77	17.57
<i>For Flat Oval, Add</i>	1.58	
<i>For Work In Restricted Working Space, Add</i>	8.78	
23 31 13 13-0516 LF 6" x 6", 20 Gauge Galvanized Steel Duct	23.88	10.53
<i>For Flat Oval, Add</i>	0.95	
<i>For Work In Restricted Working Space, Add</i>	5.27	
23 31 13 13-0517 LF 6" x 8", 20 Gauge Galvanized Steel Duct	27.84	12.30
<i>For Flat Oval, Add</i>	1.10	
<i>For Work In Restricted Working Space, Add</i>	6.15	
23 31 13 13-0518 LF 6" x 10", 20 Gauge Galvanized Steel Duct	31.82	14.05
<i>For Flat Oval, Add</i>	1.26	
<i>For Work In Restricted Working Space, Add</i>	7.03	
23 31 13 13-0519 LF 6" x 12", 20 Gauge Galvanized Steel Duct	35.80	15.81
<i>For Flat Oval, Add</i>	1.42	
<i>For Work In Restricted Working Space, Add</i>	7.90	
23 31 13 13-0520 LF 6" x 14", 20 Gauge Galvanized Steel Duct	39.77	17.57
<i>For Flat Oval, Add</i>	1.58	
<i>For Work In Restricted Working Space, Add</i>	8.78	
23 31 13 13-0521 LF 6" x 16", 20 Gauge Galvanized Steel Duct	43.75	19.32
<i>For Flat Oval, Add</i>	1.73	
<i>For Work In Restricted Working Space, Add</i>	9.66	
23 31 13 13-0522 LF 8" x 8", 20 Gauge Galvanized Steel Duct	31.82	14.05
<i>For Flat Oval, Add</i>	1.26	
<i>For Work In Restricted Working Space, Add</i>	7.03	
23 31 13 13-0523 LF 8" x 10", 20 Gauge Galvanized Steel Duct	35.80	15.81
<i>For Flat Oval, Add</i>	1.42	
<i>For Work In Restricted Working Space, Add</i>	7.90	
23 31 13 13-0524 LF 8" x 12", 20 Gauge Galvanized Steel Duct	39.77	17.57
<i>For Flat Oval, Add</i>	1.58	
<i>For Work In Restricted Working Space, Add</i>	8.78	
23 31 13 13-0525 LF 8" x 14", 20 Gauge Galvanized Steel Duct	43.75	19.32
<i>For Flat Oval, Add</i>	1.73	
<i>For Work In Restricted Working Space, Add</i>	9.66	
23 31 13 13-0526 LF 8" x 16", 20 Gauge Galvanized Steel Duct	47.72	21.08
<i>For Flat Oval, Add</i>	1.89	
<i>For Work In Restricted Working Space, Add</i>	10.54	
23 31 13 13-0527 LF 8" x 18", 20 Gauge Galvanized Steel Duct	51.70	22.83
<i>For Flat Oval, Add</i>	2.05	
<i>For Work In Restricted Working Space, Add</i>	11.42	
23 31 13 13-0528 LF 8" x 20", 20 Gauge Galvanized Steel Duct	55.69	24.59
<i>For Flat Oval, Add</i>	2.21	
<i>For Work In Restricted Working Space, Add</i>	12.29	
23 31 13 13-0529 LF 8" x 22", 20 Gauge Galvanized Steel Duct	59.66	26.34
<i>For Flat Oval, Add</i>	2.36	
<i>For Work In Restricted Working Space, Add</i>	13.17	
23 31 13 13-0530 LF 8" x 24", 20 Gauge Galvanized Steel Duct	63.64	28.10
<i>For Flat Oval, Add</i>	2.52	
<i>For Work In Restricted Working Space, Add</i>	14.05	
23 31 13 13-0531 LF 10" x 10", 20 Gauge Galvanized Steel Duct	39.77	17.57
<i>For Flat Oval, Add</i>	1.58	
<i>For Work In Restricted Working Space, Add</i>	8.78	
23 31 13 13-0532 LF 10" x 12", 20 Gauge Galvanized Steel Duct	43.75	19.32
<i>For Flat Oval, Add</i>	1.73	
<i>For Work In Restricted Working Space, Add</i>	9.66	
23 31 13 13-0533 LF 10" x 14", 20 Gauge Galvanized Steel Duct	47.72	21.08
<i>For Flat Oval, Add</i>	1.89	
<i>For Work In Restricted Working Space, Add</i>	10.54	
23 31 13 13-0534 LF 10" x 16", 20 Gauge Galvanized Steel Duct	51.70	22.83
<i>For Flat Oval, Add</i>	2.05	
<i>For Work In Restricted Working Space, Add</i>	11.42	
23 31 13 13-0535 LF 10" x 18", 20 Gauge Galvanized Steel Duct	55.69	24.59
<i>For Flat Oval, Add</i>	2.21	
<i>For Work In Restricted Working Space, Add</i>	12.29	
23 31 13 13-0536 LF 10" x 20", 20 Gauge Galvanized Steel Duct	59.66	26.34
<i>For Flat Oval, Add</i>	2.36	
<i>For Work In Restricted Working Space, Add</i>	13.17	
23 31 13 13-0537 LF 10" x 22", 20 Gauge Galvanized Steel Duct	63.64	28.10
<i>For Flat Oval, Add</i>	2.52	
<i>For Work In Restricted Working Space, Add</i>	14.05	
23 31 13 13-0538 LF 10" x 24", 20 Gauge Galvanized Steel Duct	67.63	29.86
<i>For Flat Oval, Add</i>	2.68	
<i>For Work In Restricted Working Space, Add</i>	14.93	
23 31 13 13-0539 LF 10" x 26", 20 Gauge Galvanized Steel Duct	71.59	31.61
<i>For Flat Oval, Add</i>	2.84	
<i>For Work In Restricted Working Space, Add</i>	15.81	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 31 HVAC Ducts And Casings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31	13 13-0540	LF	10" x 28", 20 Gauge Galvanized Steel Duct	75.58	33.38
			<i>For Flat Oval, Add</i>	2.99	
			<i>For Work In Restricted Working Space, Add</i>	16.69	
23 31	13 13-0541	LF	10" x 30", 20 Gauge Galvanized Steel Duct	79.54	35.13
			<i>For Flat Oval, Add</i>	3.15	
			<i>For Work In Restricted Working Space, Add</i>	17.57	
23 31	13 13-0542	LF	10" x 32", 20 Gauge Galvanized Steel Duct	83.53	36.89
			<i>For Flat Oval, Add</i>	3.31	
			<i>For Work In Restricted Working Space, Add</i>	18.44	
23 31	13 13-0543	LF	12" x 12", 20 Gauge Galvanized Steel Duct	47.72	21.08
			<i>For Flat Oval, Add</i>	1.89	
			<i>For Work In Restricted Working Space, Add</i>	10.54	
23 31	13 13-0544	LF	12" x 14", 20 Gauge Galvanized Steel Duct	51.70	22.83
			<i>For Flat Oval, Add</i>	2.05	
			<i>For Work In Restricted Working Space, Add</i>	11.42	
23 31	13 13-0545	LF	12" x 16", 20 Gauge Galvanized Steel Duct	55.69	24.59
			<i>For Flat Oval, Add</i>	2.21	
			<i>For Work In Restricted Working Space, Add</i>	12.29	
23 31	13 13-0546	LF	12" x 18", 20 Gauge Galvanized Steel Duct	59.66	26.34
			<i>For Flat Oval, Add</i>	2.36	
			<i>For Work In Restricted Working Space, Add</i>	13.17	
23 31	13 13-0547	LF	12" x 20", 20 Gauge Galvanized Steel Duct	63.64	28.10
			<i>For Flat Oval, Add</i>	2.52	
			<i>For Work In Restricted Working Space, Add</i>	14.05	
23 31	13 13-0548	LF	12" x 22", 20 Gauge Galvanized Steel Duct	67.63	29.86
			<i>For Flat Oval, Add</i>	2.68	
			<i>For Work In Restricted Working Space, Add</i>	14.93	
23 31	13 13-0549	LF	12" x 24", 20 Gauge Galvanized Steel Duct	71.59	31.61
			<i>For Flat Oval, Add</i>	2.84	
			<i>For Work In Restricted Working Space, Add</i>	15.81	
23 31	13 13-0550	LF	12" x 26", 20 Gauge Galvanized Steel Duct	75.58	33.38
			<i>For Flat Oval, Add</i>	2.99	
			<i>For Work In Restricted Working Space, Add</i>	16.69	
23 31	13 13-0551	LF	12" x 28", 20 Gauge Galvanized Steel Duct	79.54	35.13
			<i>For Flat Oval, Add</i>	3.15	
			<i>For Work In Restricted Working Space, Add</i>	17.57	
23 31	13 13-0552	LF	12" x 30", 20 Gauge Galvanized Steel Duct	83.53	36.89
			<i>For Flat Oval, Add</i>	3.31	
			<i>For Work In Restricted Working Space, Add</i>	18.44	
23 31	13 13-0553	LF	12" x 32", 20 Gauge Galvanized Steel Duct	87.52	38.64
			<i>For Flat Oval, Add</i>	3.47	
			<i>For Work In Restricted Working Space, Add</i>	19.32	
23 31	13 13-0554	LF	12" x 34", 20 Gauge Galvanized Steel Duct	91.48	40.40
			<i>For Flat Oval, Add</i>	3.62	
			<i>For Work In Restricted Working Space, Add</i>	20.20	
23 31	13 13-0555	LF	12" x 36", 20 Gauge Galvanized Steel Duct	95.46	42.16
			<i>For Flat Oval, Add</i>	3.78	
			<i>For Work In Restricted Working Space, Add</i>	21.08	
23 31	13 13-0556	LF	14" x 14", 20 Gauge Galvanized Steel Duct	55.69	24.59
			<i>For Flat Oval, Add</i>	2.21	
			<i>For Work In Restricted Working Space, Add</i>	12.29	
23 31	13 13-0557	LF	14" x 16", 20 Gauge Galvanized Steel Duct	59.66	26.34
			<i>For Flat Oval, Add</i>	2.36	
			<i>For Work In Restricted Working Space, Add</i>	13.17	
23 31	13 13-0558	LF	14" x 18", 20 Gauge Galvanized Steel Duct	63.64	28.10
			<i>For Flat Oval, Add</i>	2.52	
			<i>For Work In Restricted Working Space, Add</i>	14.05	
23 31	13 13-0559	LF	14" x 20", 20 Gauge Galvanized Steel Duct	67.63	29.86
			<i>For Flat Oval, Add</i>	2.68	
			<i>For Work In Restricted Working Space, Add</i>	14.93	
23 31	13 13-0560	LF	14" x 22", 20 Gauge Galvanized Steel Duct	71.59	31.61
			<i>For Flat Oval, Add</i>	2.84	
			<i>For Work In Restricted Working Space, Add</i>	15.81	
23 31	13 13-0561	LF	14" x 24", 20 Gauge Galvanized Steel Duct	75.58	33.38
			<i>For Flat Oval, Add</i>	2.99	
			<i>For Work In Restricted Working Space, Add</i>	16.69	
23 31	13 13-0562	LF	14" x 26", 20 Gauge Galvanized Steel Duct	79.54	35.13
			<i>For Flat Oval, Add</i>	3.15	
			<i>For Work In Restricted Working Space, Add</i>	17.57	
23 31	13 13-0563	LF	14" x 28", 20 Gauge Galvanized Steel Duct	83.53	36.89
			<i>For Flat Oval, Add</i>	3.31	
			<i>For Work In Restricted Working Space, Add</i>	18.44	
23 31	13 13-0564	LF	14" x 30", 20 Gauge Galvanized Steel Duct	87.52	38.64
			<i>For Flat Oval, Add</i>	3.47	
			<i>For Work In Restricted Working Space, Add</i>	19.32	
23 31	13 13-0565	LF	14" x 32", 20 Gauge Galvanized Steel Duct	91.48	40.40
			<i>For Flat Oval, Add</i>	3.62	
			<i>For Work In Restricted Working Space, Add</i>	20.20	
23 31	13 13-0566	LF	14" x 34", 20 Gauge Galvanized Steel Duct	95.46	42.16
			<i>For Flat Oval, Add</i>	3.78	
			<i>For Work In Restricted Working Space, Add</i>	21.08	
23 31	13 13-0567	LF	14" x 36", 20 Gauge Galvanized Steel Duct	99.42	43.91
			<i>For Flat Oval, Add</i>	3.94	
			<i>For Work In Restricted Working Space, Add</i>	21.95	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0568 LF 16" x 16", 20 Gauge Galvanized Steel Duct	63.64	28.10
For Flat Oval, Add	2.52	
For Work In Restricted Working Space, Add	14.05	
23 31 13 13-0569 LF 16" x 18", 20 Gauge Galvanized Steel Duct	67.63	29.86
For Flat Oval, Add	2.68	
For Work In Restricted Working Space, Add	14.93	
23 31 13 13-0570 LF 16" x 20", 20 Gauge Galvanized Steel Duct	71.59	31.61
For Flat Oval, Add	2.84	
For Work In Restricted Working Space, Add	15.81	
23 31 13 13-0571 LF 16" x 22", 20 Gauge Galvanized Steel Duct	75.58	33.38
For Flat Oval, Add	2.99	
For Work In Restricted Working Space, Add	16.69	
23 31 13 13-0572 LF 16" x 24", 20 Gauge Galvanized Steel Duct	79.54	35.13
For Flat Oval, Add	3.15	
For Work In Restricted Working Space, Add	17.57	
23 31 13 13-0573 LF 16" x 26", 20 Gauge Galvanized Steel Duct	83.53	36.89
For Flat Oval, Add	3.31	
For Work In Restricted Working Space, Add	18.44	
23 31 13 13-0574 LF 16" x 28", 20 Gauge Galvanized Steel Duct	87.52	38.64
For Flat Oval, Add	3.47	
For Work In Restricted Working Space, Add	19.32	
23 31 13 13-0575 LF 16" x 30", 20 Gauge Galvanized Steel Duct	91.48	40.40
For Flat Oval, Add	3.62	
For Work In Restricted Working Space, Add	20.20	
23 31 13 13-0576 LF 16" x 32", 20 Gauge Galvanized Steel Duct	95.46	42.16
For Flat Oval, Add	3.78	
For Work In Restricted Working Space, Add	21.08	
23 31 13 13-0577 LF 16" x 34", 20 Gauge Galvanized Steel Duct	99.42	43.91
For Flat Oval, Add	3.94	
For Work In Restricted Working Space, Add	21.95	
23 31 13 13-0578 LF 16" x 36", 20 Gauge Galvanized Steel Duct	103.41	45.67
For Flat Oval, Add	4.10	
For Work In Restricted Working Space, Add	22.83	
23 31 13 13-0579 LF 16" x 38", 20 Gauge Galvanized Steel Duct	107.40	47.42
For Flat Oval, Add	4.25	
For Work In Restricted Working Space, Add	23.71	
23 31 13 13-0580 LF 16" x 40", 20 Gauge Galvanized Steel Duct	111.36	49.18
For Flat Oval, Add	4.41	
For Work In Restricted Working Space, Add	24.59	
23 31 13 13-0581 LF 16" x 42", 20 Gauge Galvanized Steel Duct	115.34	50.93
For Flat Oval, Add	4.57	
For Work In Restricted Working Space, Add	25.47	
23 31 13 13-0582 LF 16" x 44", 20 Gauge Galvanized Steel Duct	119.33	52.69
For Flat Oval, Add	4.73	
For Work In Restricted Working Space, Add	26.35	
23 31 13 13-0583 LF 18" x 18", 20 Gauge Galvanized Steel Duct	71.59	31.61
For Flat Oval, Add	2.84	
For Work In Restricted Working Space, Add	15.81	
23 31 13 13-0584 LF 18" x 20", 20 Gauge Galvanized Steel Duct	75.58	33.38
For Flat Oval, Add	2.99	
For Work In Restricted Working Space, Add	16.69	
23 31 13 13-0585 LF 18" x 22", 20 Gauge Galvanized Steel Duct	79.54	35.13
For Flat Oval, Add	3.15	
For Work In Restricted Working Space, Add	17.57	
23 31 13 13-0586 LF 18" x 24", 20 Gauge Galvanized Steel Duct	83.53	36.89
For Flat Oval, Add	3.31	
For Work In Restricted Working Space, Add	18.44	
23 31 13 13-0587 LF 18" x 26", 20 Gauge Galvanized Steel Duct	87.52	38.64
For Flat Oval, Add	3.47	
For Work In Restricted Working Space, Add	19.32	
23 31 13 13-0588 LF 18" x 28", 20 Gauge Galvanized Steel Duct	91.48	40.40
For Flat Oval, Add	3.62	
For Work In Restricted Working Space, Add	20.20	
23 31 13 13-0589 LF 18" x 30", 20 Gauge Galvanized Steel Duct	95.46	42.16
For Flat Oval, Add	3.78	
For Work In Restricted Working Space, Add	21.08	
23 31 13 13-0590 LF 18" x 32", 20 Gauge Galvanized Steel Duct	99.42	43.91
For Flat Oval, Add	3.94	
For Work In Restricted Working Space, Add	21.95	
23 31 13 13-0591 LF 18" x 34", 20 Gauge Galvanized Steel Duct	103.41	45.67
For Flat Oval, Add	4.10	
For Work In Restricted Working Space, Add	22.83	
23 31 13 13-0592 LF 18" x 36", 20 Gauge Galvanized Steel Duct	107.40	47.42
For Flat Oval, Add	4.25	
For Work In Restricted Working Space, Add	23.71	
23 31 13 13-0593 LF 18" x 38", 20 Gauge Galvanized Steel Duct	111.36	49.18
For Flat Oval, Add	4.41	
For Work In Restricted Working Space, Add	24.59	
23 31 13 13-0594 LF 18" x 40", 20 Gauge Galvanized Steel Duct	115.34	50.93
For Flat Oval, Add	4.57	
For Work In Restricted Working Space, Add	25.47	
23 31 13 13-0595 LF 18" x 42", 20 Gauge Galvanized Steel Duct	119.33	52.69
For Flat Oval, Add	4.73	
For Work In Restricted Working Space, Add	26.35	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 31 HVAC Ducts And Casings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31	13	13-0596	LF 18" x 44", 20 Gauge Galvanized Steel Duct	123.30	54.45
			<i>For Flat Oval, Add</i>	4.88	
			<i>For Work In Restricted Working Space, Add</i>	27.23	
23 31	13	13-0597	LF 18" x 46", 20 Gauge Galvanized Steel Duct	127.29	56.21
			<i>For Flat Oval, Add</i>	5.04	
			<i>For Work In Restricted Working Space, Add</i>	28.10	
23 31	13	13-0598	LF 20" x 20", 20 Gauge Galvanized Steel Duct	79.54	35.13
			<i>For Flat Oval, Add</i>	3.15	
			<i>For Work In Restricted Working Space, Add</i>	17.57	
23 31	13	13-0599	LF 20" x 22", 20 Gauge Galvanized Steel Duct	83.53	36.89
			<i>For Flat Oval, Add</i>	3.31	
			<i>For Work In Restricted Working Space, Add</i>	18.44	
23 31	13	13-0600	LF 20" x 24", 20 Gauge Galvanized Steel Duct	87.52	38.64
			<i>For Flat Oval, Add</i>	3.47	
			<i>For Work In Restricted Working Space, Add</i>	19.32	
23 31	13	13-0601	LF 20" x 26", 20 Gauge Galvanized Steel Duct	91.48	40.40
			<i>For Flat Oval, Add</i>	3.62	
			<i>For Work In Restricted Working Space, Add</i>	20.20	
23 31	13	13-0602	LF 20" x 28", 20 Gauge Galvanized Steel Duct	95.46	42.16
			<i>For Flat Oval, Add</i>	3.78	
			<i>For Work In Restricted Working Space, Add</i>	21.08	
23 31	13	13-0603	LF 20" x 30", 20 Gauge Galvanized Steel Duct	99.42	43.91
			<i>For Flat Oval, Add</i>	3.94	
			<i>For Work In Restricted Working Space, Add</i>	21.95	
23 31	13	13-0604	LF 20" x 32", 20 Gauge Galvanized Steel Duct	103.41	45.67
			<i>For Flat Oval, Add</i>	4.10	
			<i>For Work In Restricted Working Space, Add</i>	22.83	
23 31	13	13-0605	LF 20" x 34", 20 Gauge Galvanized Steel Duct	107.40	47.42
			<i>For Flat Oval, Add</i>	4.25	
			<i>For Work In Restricted Working Space, Add</i>	23.71	
23 31	13	13-0606	LF 20" x 36", 20 Gauge Galvanized Steel Duct	111.36	49.18
			<i>For Flat Oval, Add</i>	4.41	
			<i>For Work In Restricted Working Space, Add</i>	24.59	
23 31	13	13-0607	LF 20" x 38", 20 Gauge Galvanized Steel Duct	115.34	50.93
			<i>For Flat Oval, Add</i>	4.57	
			<i>For Work In Restricted Working Space, Add</i>	25.47	
23 31	13	13-0608	LF 20" x 40", 20 Gauge Galvanized Steel Duct	119.33	52.69
			<i>For Flat Oval, Add</i>	4.73	
			<i>For Work In Restricted Working Space, Add</i>	26.35	
23 31	13	13-0609	LF 20" x 42", 20 Gauge Galvanized Steel Duct	123.30	54.45
			<i>For Flat Oval, Add</i>	4.88	
			<i>For Work In Restricted Working Space, Add</i>	27.23	
23 31	13	13-0610	LF 20" x 44", 20 Gauge Galvanized Steel Duct	127.29	56.21
			<i>For Flat Oval, Add</i>	5.04	
			<i>For Work In Restricted Working Space, Add</i>	28.10	
23 31	13	13-0611	LF 20" x 46", 20 Gauge Galvanized Steel Duct	131.24	57.97
			<i>For Flat Oval, Add</i>	5.20	
			<i>For Work In Restricted Working Space, Add</i>	28.98	
23 31	13	13-0612	LF 20" x 48", 20 Gauge Galvanized Steel Duct	135.23	59.72
			<i>For Flat Oval, Add</i>	5.36	
			<i>For Work In Restricted Working Space, Add</i>	29.86	
23 31	13	13-0613	LF 22" x 22", 20 Gauge Galvanized Steel Duct	87.52	38.64
			<i>For Flat Oval, Add</i>	3.47	
			<i>For Work In Restricted Working Space, Add</i>	19.32	
23 31	13	13-0614	LF 22" x 24", 20 Gauge Galvanized Steel Duct	91.48	40.40
			<i>For Flat Oval, Add</i>	3.62	
			<i>For Work In Restricted Working Space, Add</i>	20.20	
23 31	13	13-0615	LF 22" x 26", 20 Gauge Galvanized Steel Duct	95.46	42.16
			<i>For Flat Oval, Add</i>	3.78	
			<i>For Work In Restricted Working Space, Add</i>	21.08	
23 31	13	13-0616	LF 22" x 28", 20 Gauge Galvanized Steel Duct	99.42	43.91
			<i>For Flat Oval, Add</i>	3.94	
			<i>For Work In Restricted Working Space, Add</i>	21.95	
23 31	13	13-0617	LF 22" x 30", 20 Gauge Galvanized Steel Duct	103.41	45.67
			<i>For Flat Oval, Add</i>	4.10	
			<i>For Work In Restricted Working Space, Add</i>	22.83	
23 31	13	13-0618	LF 22" x 32", 20 Gauge Galvanized Steel Duct	107.40	47.42
			<i>For Flat Oval, Add</i>	4.25	
			<i>For Work In Restricted Working Space, Add</i>	23.71	
23 31	13	13-0619	LF 22" x 34", 20 Gauge Galvanized Steel Duct	111.36	49.18
			<i>For Flat Oval, Add</i>	4.41	
			<i>For Work In Restricted Working Space, Add</i>	24.59	
23 31	13	13-0620	LF 22" x 36", 20 Gauge Galvanized Steel Duct	115.34	50.93
			<i>For Flat Oval, Add</i>	4.57	
			<i>For Work In Restricted Working Space, Add</i>	25.47	
23 31	13	13-0621	LF 22" x 38", 20 Gauge Galvanized Steel Duct	119.33	52.69
			<i>For Flat Oval, Add</i>	4.73	
			<i>For Work In Restricted Working Space, Add</i>	26.35	
23 31	13	13-0622	LF 22" x 40", 20 Gauge Galvanized Steel Duct	123.30	54.45
			<i>For Flat Oval, Add</i>	4.88	
			<i>For Work In Restricted Working Space, Add</i>	27.23	
23 31	13	13-0623	LF 22" x 42", 20 Gauge Galvanized Steel Duct	127.29	56.21
			<i>For Flat Oval, Add</i>	5.04	
			<i>For Work In Restricted Working Space, Add</i>	28.10	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0624 LF 22" x 44", 20 Gauge Galvanized Steel Duct	131.24	57.97
For Flat Oval, Add	5.20	
For Work In Restricted Working Space, Add	28.98	
23 31 13 13-0625 LF 22" x 46", 20 Gauge Galvanized Steel Duct	135.23	59.72
For Flat Oval, Add	5.36	
For Work In Restricted Working Space, Add	29.86	
23 31 13 13-0626 LF 22" x 48", 20 Gauge Galvanized Steel Duct	139.22	61.48
For Flat Oval, Add	5.51	
For Work In Restricted Working Space, Add	30.74	
23 31 13 13-0627 LF 24" x 24", 20 Gauge Galvanized Steel Duct	95.46	42.16
For Flat Oval, Add	3.78	
For Work In Restricted Working Space, Add	21.08	
23 31 13 13-0628 LF 24" x 26", 20 Gauge Galvanized Steel Duct	99.42	43.91
For Flat Oval, Add	3.94	
For Work In Restricted Working Space, Add	21.95	
23 31 13 13-0629 LF 24" x 28", 20 Gauge Galvanized Steel Duct	103.41	45.67
For Flat Oval, Add	4.10	
For Work In Restricted Working Space, Add	22.83	
23 31 13 13-0630 LF 24" x 30", 20 Gauge Galvanized Steel Duct	107.40	47.42
For Flat Oval, Add	4.25	
For Work In Restricted Working Space, Add	23.71	
23 31 13 13-0631 LF 24" x 32", 20 Gauge Galvanized Steel Duct	111.36	49.18
For Flat Oval, Add	4.41	
For Work In Restricted Working Space, Add	24.59	
23 31 13 13-0632 LF 24" x 34", 20 Gauge Galvanized Steel Duct	115.34	50.93
For Flat Oval, Add	4.57	
For Work In Restricted Working Space, Add	25.47	
23 31 13 13-0633 LF 24" x 36", 20 Gauge Galvanized Steel Duct	119.33	52.69
For Flat Oval, Add	4.73	
For Work In Restricted Working Space, Add	26.35	
23 31 13 13-0634 LF 24" x 38", 20 Gauge Galvanized Steel Duct	123.30	54.45
For Flat Oval, Add	4.88	
For Work In Restricted Working Space, Add	27.23	
23 31 13 13-0635 LF 24" x 40", 20 Gauge Galvanized Steel Duct	127.29	56.21
For Flat Oval, Add	5.04	
For Work In Restricted Working Space, Add	28.10	
23 31 13 13-0636 LF 24" x 42", 20 Gauge Galvanized Steel Duct	131.24	57.97
For Flat Oval, Add	5.20	
For Work In Restricted Working Space, Add	28.98	
23 31 13 13-0637 LF 24" x 44", 20 Gauge Galvanized Steel Duct	135.23	59.72
For Flat Oval, Add	5.36	
For Work In Restricted Working Space, Add	29.86	
23 31 13 13-0638 LF 24" x 46", 20 Gauge Galvanized Steel Duct	139.22	61.48
For Flat Oval, Add	5.51	
For Work In Restricted Working Space, Add	30.74	
23 31 13 13-0639 LF 24" x 48", 20 Gauge Galvanized Steel Duct	143.19	63.23
For Flat Oval, Add	5.67	
For Work In Restricted Working Space, Add	31.62	
23 31 13 13-0640 LF 26" x 26", 20 Gauge Galvanized Steel Duct	103.41	45.67
For Flat Oval, Add	4.10	
For Work In Restricted Working Space, Add	22.83	
23 31 13 13-0641 LF 26" x 28", 20 Gauge Galvanized Steel Duct	107.40	47.42
For Flat Oval, Add	4.25	
For Work In Restricted Working Space, Add	23.71	
23 31 13 13-0642 LF 26" x 30", 20 Gauge Galvanized Steel Duct	111.36	49.18
For Flat Oval, Add	4.41	
For Work In Restricted Working Space, Add	24.59	
23 31 13 13-0643 LF 26" x 32", 20 Gauge Galvanized Steel Duct	115.34	50.93
For Flat Oval, Add	4.57	
For Work In Restricted Working Space, Add	25.47	
23 31 13 13-0644 LF 26" x 34", 20 Gauge Galvanized Steel Duct	119.33	52.69
For Flat Oval, Add	4.73	
For Work In Restricted Working Space, Add	26.35	
23 31 13 13-0645 LF 26" x 36", 20 Gauge Galvanized Steel Duct	123.30	54.45
For Flat Oval, Add	4.88	
For Work In Restricted Working Space, Add	27.23	
23 31 13 13-0646 LF 26" x 38", 20 Gauge Galvanized Steel Duct	127.29	56.21
For Flat Oval, Add	5.04	
For Work In Restricted Working Space, Add	28.10	
23 31 13 13-0647 LF 26" x 40", 20 Gauge Galvanized Steel Duct	131.24	57.97
For Flat Oval, Add	5.20	
For Work In Restricted Working Space, Add	28.98	
23 31 13 13-0648 LF 26" x 42", 20 Gauge Galvanized Steel Duct	135.23	59.72
For Flat Oval, Add	5.36	
For Work In Restricted Working Space, Add	29.86	
23 31 13 13-0649 LF 26" x 44", 20 Gauge Galvanized Steel Duct	139.22	61.48
For Flat Oval, Add	5.51	
For Work In Restricted Working Space, Add	30.74	
23 31 13 13-0650 LF 26" x 46", 20 Gauge Galvanized Steel Duct	143.19	63.23
For Flat Oval, Add	5.67	
For Work In Restricted Working Space, Add	31.62	
23 31 13 13-0651 LF 26" x 48", 20 Gauge Galvanized Steel Duct	147.18	64.99
For Flat Oval, Add	5.83	
For Work In Restricted Working Space, Add	32.50	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 31 HVAC Ducts And Casings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13	13-0652	LF	28" x 28", 20 Gauge Galvanized Steel Duct	111.36	49.18
			<i>For Flat Oval, Add</i>	4.41	
			<i>For Work In Restricted Working Space, Add</i>	24.59	
23 31 13	13-0653	LF	28" x 30", 20 Gauge Galvanized Steel Duct	115.34	50.93
			<i>For Flat Oval, Add</i>	4.57	
			<i>For Work In Restricted Working Space, Add</i>	25.47	
23 31 13	13-0654	LF	28" x 32", 20 Gauge Galvanized Steel Duct	119.33	52.69
			<i>For Flat Oval, Add</i>	4.73	
			<i>For Work In Restricted Working Space, Add</i>	26.35	
23 31 13	13-0655	LF	28" x 34", 20 Gauge Galvanized Steel Duct	123.30	54.45
			<i>For Flat Oval, Add</i>	4.88	
			<i>For Work In Restricted Working Space, Add</i>	27.23	
23 31 13	13-0656	LF	28" x 36", 20 Gauge Galvanized Steel Duct	127.29	56.21
			<i>For Flat Oval, Add</i>	5.04	
			<i>For Work In Restricted Working Space, Add</i>	28.10	
23 31 13	13-0657	LF	28" x 38", 20 Gauge Galvanized Steel Duct	131.24	57.97
			<i>For Flat Oval, Add</i>	5.20	
			<i>For Work In Restricted Working Space, Add</i>	28.98	
23 31 13	13-0658	LF	28" x 40", 20 Gauge Galvanized Steel Duct	135.23	59.72
			<i>For Flat Oval, Add</i>	5.36	
			<i>For Work In Restricted Working Space, Add</i>	29.86	
23 31 13	13-0659	LF	28" x 42", 20 Gauge Galvanized Steel Duct	139.22	61.48
			<i>For Flat Oval, Add</i>	5.51	
			<i>For Work In Restricted Working Space, Add</i>	30.74	
23 31 13	13-0660	LF	28" x 44", 20 Gauge Galvanized Steel Duct	143.19	63.23
			<i>For Flat Oval, Add</i>	5.67	
			<i>For Work In Restricted Working Space, Add</i>	31.62	
23 31 13	13-0661	LF	28" x 46", 20 Gauge Galvanized Steel Duct	147.18	64.99
			<i>For Flat Oval, Add</i>	5.83	
			<i>For Work In Restricted Working Space, Add</i>	32.50	
23 31 13	13-0662	LF	28" x 48", 20 Gauge Galvanized Steel Duct	151.13	66.74
			<i>For Flat Oval, Add</i>	5.98	
			<i>For Work In Restricted Working Space, Add</i>	33.37	
23 31 13	13-0663	LF	30" x 30", 20 Gauge Galvanized Steel Duct	119.33	52.69
			<i>For Flat Oval, Add</i>	4.73	
			<i>For Work In Restricted Working Space, Add</i>	26.35	
23 31 13	13-0664	LF	30" x 32", 20 Gauge Galvanized Steel Duct	123.30	54.45
			<i>For Flat Oval, Add</i>	4.88	
			<i>For Work In Restricted Working Space, Add</i>	27.23	
23 31 13	13-0665	LF	30" x 34", 20 Gauge Galvanized Steel Duct	127.29	56.21
			<i>For Flat Oval, Add</i>	5.04	
			<i>For Work In Restricted Working Space, Add</i>	28.10	
23 31 13	13-0666	LF	30" x 36", 20 Gauge Galvanized Steel Duct	131.24	57.97
			<i>For Flat Oval, Add</i>	5.20	
			<i>For Work In Restricted Working Space, Add</i>	28.98	
23 31 13	13-0667	LF	30" x 38", 20 Gauge Galvanized Steel Duct	135.23	59.72
			<i>For Flat Oval, Add</i>	5.36	
			<i>For Work In Restricted Working Space, Add</i>	29.86	
23 31 13	13-0668	LF	30" x 40", 20 Gauge Galvanized Steel Duct	139.22	61.48
			<i>For Flat Oval, Add</i>	5.51	
			<i>For Work In Restricted Working Space, Add</i>	30.74	
23 31 13	13-0669	LF	30" x 42", 20 Gauge Galvanized Steel Duct	143.19	63.23
			<i>For Flat Oval, Add</i>	5.67	
			<i>For Work In Restricted Working Space, Add</i>	31.62	
23 31 13	13-0670	LF	30" x 44", 20 Gauge Galvanized Steel Duct	147.18	64.99
			<i>For Flat Oval, Add</i>	5.83	
			<i>For Work In Restricted Working Space, Add</i>	32.50	
23 31 13	13-0671	LF	30" x 46", 20 Gauge Galvanized Steel Duct	151.13	66.74
			<i>For Flat Oval, Add</i>	5.98	
			<i>For Work In Restricted Working Space, Add</i>	33.37	
23 31 13	13-0672	LF	30" x 48", 20 Gauge Galvanized Steel Duct	155.12	68.50
			<i>For Flat Oval, Add</i>	6.14	
			<i>For Work In Restricted Working Space, Add</i>	34.25	
23 31 13	13-0673	LF	32" x 32", 20 Gauge Galvanized Steel Duct	127.29	56.21
			<i>For Flat Oval, Add</i>	5.04	
			<i>For Work In Restricted Working Space, Add</i>	28.10	
23 31 13	13-0674	LF	32" x 34", 20 Gauge Galvanized Steel Duct	131.24	57.97
			<i>For Flat Oval, Add</i>	5.20	
			<i>For Work In Restricted Working Space, Add</i>	28.98	
23 31 13	13-0675	LF	32" x 36", 20 Gauge Galvanized Steel Duct	135.23	59.72
			<i>For Flat Oval, Add</i>	5.36	
			<i>For Work In Restricted Working Space, Add</i>	29.86	
23 31 13	13-0676	LF	32" x 38", 20 Gauge Galvanized Steel Duct	139.22	61.48
			<i>For Flat Oval, Add</i>	5.51	
			<i>For Work In Restricted Working Space, Add</i>	30.74	
23 31 13	13-0677	LF	32" x 40", 20 Gauge Galvanized Steel Duct	143.19	63.23
			<i>For Flat Oval, Add</i>	5.67	
			<i>For Work In Restricted Working Space, Add</i>	31.62	
23 31 13	13-0678	LF	32" x 42", 20 Gauge Galvanized Steel Duct	147.18	64.99
			<i>For Flat Oval, Add</i>	5.83	
			<i>For Work In Restricted Working Space, Add</i>	32.50	
23 31 13	13-0679	LF	32" x 44", 20 Gauge Galvanized Steel Duct	151.13	66.74
			<i>For Flat Oval, Add</i>	5.98	
			<i>For Work In Restricted Working Space, Add</i>	33.37	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0680 LF 32" x 46", 20 Gauge Galvanized Steel Duct	155.12	68.50
For Flat Oval, Add	6.14	
For Work In Restricted Working Space, Add	34.25	
23 31 13 13-0681 LF 32" x 48", 20 Gauge Galvanized Steel Duct	159.11	70.26
For Flat Oval, Add	6.30	
For Work In Restricted Working Space, Add	35.13	
23 31 13 13-0682 LF 34" x 34", 20 Gauge Galvanized Steel Duct	135.23	59.72
For Flat Oval, Add	5.36	
For Work In Restricted Working Space, Add	29.86	
23 31 13 13-0683 LF 34" x 36", 20 Gauge Galvanized Steel Duct	139.22	61.48
For Flat Oval, Add	5.51	
For Work In Restricted Working Space, Add	30.74	
23 31 13 13-0684 LF 34" x 38", 20 Gauge Galvanized Steel Duct	143.19	63.23
For Flat Oval, Add	5.67	
For Work In Restricted Working Space, Add	31.62	
23 31 13 13-0685 LF 34" x 40", 20 Gauge Galvanized Steel Duct	147.18	64.99
For Flat Oval, Add	5.83	
For Work In Restricted Working Space, Add	32.50	
23 31 13 13-0686 LF 34" x 42", 20 Gauge Galvanized Steel Duct	151.13	66.74
For Flat Oval, Add	5.98	
For Work In Restricted Working Space, Add	33.37	
23 31 13 13-0687 LF 34" x 44", 20 Gauge Galvanized Steel Duct	155.12	68.50
For Flat Oval, Add	6.14	
For Work In Restricted Working Space, Add	34.25	
23 31 13 13-0688 LF 34" x 46", 20 Gauge Galvanized Steel Duct	159.11	70.26
For Flat Oval, Add	6.30	
For Work In Restricted Working Space, Add	35.13	
23 31 13 13-0689 LF 34" x 48", 20 Gauge Galvanized Steel Duct	163.07	72.01
For Flat Oval, Add	6.46	
For Work In Restricted Working Space, Add	36.01	
23 31 13 13-0690 LF 36" x 36", 20 Gauge Galvanized Steel Duct	143.19	63.23
For Flat Oval, Add	5.67	
For Work In Restricted Working Space, Add	31.62	
23 31 13 13-0691 LF 36" x 38", 20 Gauge Galvanized Steel Duct	147.18	64.99
For Flat Oval, Add	5.83	
For Work In Restricted Working Space, Add	32.50	
23 31 13 13-0692 LF 36" x 40", 20 Gauge Galvanized Steel Duct	151.13	66.74
For Flat Oval, Add	5.98	
For Work In Restricted Working Space, Add	33.37	
23 31 13 13-0693 LF 36" x 42", 20 Gauge Galvanized Steel Duct	155.12	68.50
For Flat Oval, Add	6.14	
For Work In Restricted Working Space, Add	34.25	
23 31 13 13-0694 LF 36" x 44", 20 Gauge Galvanized Steel Duct	159.11	70.26
For Flat Oval, Add	6.30	
For Work In Restricted Working Space, Add	35.13	
23 31 13 13-0695 LF 36" x 46", 20 Gauge Galvanized Steel Duct	163.07	72.01
For Flat Oval, Add	6.46	
For Work In Restricted Working Space, Add	36.01	
23 31 13 13-0696 LF 36" x 48", 20 Gauge Galvanized Steel Duct	167.05	73.77
For Flat Oval, Add	6.62	
For Work In Restricted Working Space, Add	36.89	
23 31 13 13-0697 LF 38" x 38", 20 Gauge Galvanized Steel Duct	151.13	66.74
For Flat Oval, Add	5.98	
For Work In Restricted Working Space, Add	33.37	
23 31 13 13-0698 LF 38" x 40", 20 Gauge Galvanized Steel Duct	155.12	68.50
For Flat Oval, Add	6.14	
For Work In Restricted Working Space, Add	34.25	
23 31 13 13-0699 LF 38" x 42", 20 Gauge Galvanized Steel Duct	159.11	70.26
For Flat Oval, Add	6.30	
For Work In Restricted Working Space, Add	35.13	
23 31 13 13-0700 LF 38" x 44", 20 Gauge Galvanized Steel Duct	163.07	72.01
For Flat Oval, Add	6.46	
For Work In Restricted Working Space, Add	36.01	
23 31 13 13-0701 LF 38" x 46", 20 Gauge Galvanized Steel Duct	167.05	73.77
For Flat Oval, Add	6.62	
For Work In Restricted Working Space, Add	36.89	
23 31 13 13-0702 LF 38" x 48", 20 Gauge Galvanized Steel Duct	171.03	75.52
For Flat Oval, Add	6.77	
For Work In Restricted Working Space, Add	37.76	
23 31 13 13-0703 LF 38" x 50", 20 Gauge Galvanized Steel Duct	175.00	77.29
For Flat Oval, Add	6.93	
For Work In Restricted Working Space, Add	38.64	
23 31 13 13-0704 LF 40" x 40", 20 Gauge Galvanized Steel Duct	159.11	70.26
For Flat Oval, Add	6.30	
For Work In Restricted Working Space, Add	35.13	
23 31 13 13-0705 LF 40" x 42", 20 Gauge Galvanized Steel Duct	163.07	72.01
For Flat Oval, Add	6.46	
For Work In Restricted Working Space, Add	36.01	
23 31 13 13-0706 LF 40" x 44", 20 Gauge Galvanized Steel Duct	167.05	73.77
For Flat Oval, Add	6.62	
For Work In Restricted Working Space, Add	36.89	
23 31 13 13-0707 LF 40" x 46", 20 Gauge Galvanized Steel Duct	171.03	75.52
For Flat Oval, Add	6.77	
For Work In Restricted Working Space, Add	37.76	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 31 HVAC Ducts And Casings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13	13-0708	LF	40" x 48", 20 Gauge Galvanized Steel Duct <i>For Flat Oval, Add</i> <i>For Work In Restricted Working Space, Add</i>	175.00 6.93 38.64	77.29
23 31 13	13-0709	LF	40" x 50", 20 Gauge Galvanized Steel Duct <i>For Flat Oval, Add</i> <i>For Work In Restricted Working Space, Add</i>	178.99 7.09 39.52	79.04
23 31 13	13-0710	LF	40" x 52", 20 Gauge Galvanized Steel Duct <i>For Flat Oval, Add</i> <i>For Work In Restricted Working Space, Add</i>	182.95 7.24 40.40	80.80
23 31 13	13-0711	LF	40" x 54", 20 Gauge Galvanized Steel Duct <i>For Flat Oval, Add</i> <i>For Work In Restricted Working Space, Add</i>	186.94 7.40 41.28	82.55
23 31 13	13-0712	LF	40" x 56", 20 Gauge Galvanized Steel Duct <i>For Flat Oval, Add</i> <i>For Work In Restricted Working Space, Add</i>	190.92 7.56 42.15	84.31
23 31 13	13-0713	LF	42" x 42", 20 Gauge Galvanized Steel Duct <i>For Flat Oval, Add</i> <i>For Work In Restricted Working Space, Add</i>	167.05 6.62 36.89	73.77
23 31 13	13-0714	LF	42" x 44", 20 Gauge Galvanized Steel Duct <i>For Flat Oval, Add</i> <i>For Work In Restricted Working Space, Add</i>	171.03 6.77 37.76	75.52
23 31 13	13-0715	LF	42" x 46", 20 Gauge Galvanized Steel Duct <i>For Flat Oval, Add</i> <i>For Work In Restricted Working Space, Add</i>	175.00 6.93 38.64	77.29
23 31 13	13-0716	LF	42" x 48", 20 Gauge Galvanized Steel Duct <i>For Flat Oval, Add</i> <i>For Work In Restricted Working Space, Add</i>	178.99 7.09 39.52	79.04
23 31 13	13-0717	LF	42" x 50", 20 Gauge Galvanized Steel Duct <i>For Flat Oval, Add</i> <i>For Work In Restricted Working Space, Add</i>	182.95 7.24 40.40	80.80
23 31 13	13-0718	LF	42" x 52", 20 Gauge Galvanized Steel Duct <i>For Flat Oval, Add</i> <i>For Work In Restricted Working Space, Add</i>	186.94 7.40 41.28	82.55
23 31 13	13-0719	LF	42" x 54", 20 Gauge Galvanized Steel Duct <i>For Flat Oval, Add</i> <i>For Work In Restricted Working Space, Add</i>	190.92 7.56 42.15	84.31
23 31 13	13-0720	LF	42" x 56", 20 Gauge Galvanized Steel Duct <i>For Flat Oval, Add</i> <i>For Work In Restricted Working Space, Add</i>	194.89 7.72 43.03	86.07
23 31 13	13-0721	LF	44" x 44", 20 Gauge Galvanized Steel Duct <i>For Flat Oval, Add</i> <i>For Work In Restricted Working Space, Add</i>	175.00 6.93 38.64	77.29
23 31 13	13-0722	LF	44" x 46", 20 Gauge Galvanized Steel Duct <i>For Flat Oval, Add</i> <i>For Work In Restricted Working Space, Add</i>	178.99 7.09 39.52	79.04
23 31 13	13-0723	LF	44" x 48", 20 Gauge Galvanized Steel Duct <i>For Flat Oval, Add</i> <i>For Work In Restricted Working Space, Add</i>	182.95 7.24 40.40	80.80
23 31 13	13-0724	LF	44" x 50", 20 Gauge Galvanized Steel Duct <i>For Flat Oval, Add</i> <i>For Work In Restricted Working Space, Add</i>	186.94 7.40 41.28	82.55
23 31 13	13-0725	LF	44" x 52", 20 Gauge Galvanized Steel Duct <i>For Flat Oval, Add</i> <i>For Work In Restricted Working Space, Add</i>	190.92 7.56 42.15	84.31
23 31 13	13-0726	LF	44" x 54", 20 Gauge Galvanized Steel Duct <i>For Flat Oval, Add</i> <i>For Work In Restricted Working Space, Add</i>	194.89 7.72 43.03	86.07
23 31 13	13-0727	LF	44" x 56", 20 Gauge Galvanized Steel Duct <i>For Flat Oval, Add</i> <i>For Work In Restricted Working Space, Add</i>	198.88 7.88 43.91	87.82
23 31 13	13-0728	LF	46" x 46", 20 Gauge Galvanized Steel Duct <i>For Flat Oval, Add</i> <i>For Work In Restricted Working Space, Add</i>	182.95 7.24 40.40	80.80
23 31 13	13-0729	LF	46" x 48", 20 Gauge Galvanized Steel Duct <i>For Flat Oval, Add</i> <i>For Work In Restricted Working Space, Add</i>	186.94 7.40 41.28	82.55
23 31 13	13-0730	LF	46" x 50", 20 Gauge Galvanized Steel Duct <i>For Flat Oval, Add</i> <i>For Work In Restricted Working Space, Add</i>	190.92 7.56 42.15	84.31
23 31 13	13-0731	LF	46" x 52", 20 Gauge Galvanized Steel Duct <i>For Flat Oval, Add</i> <i>For Work In Restricted Working Space, Add</i>	194.89 7.72 43.03	86.07
23 31 13	13-0732	LF	46" x 54", 20 Gauge Galvanized Steel Duct <i>For Flat Oval, Add</i> <i>For Work In Restricted Working Space, Add</i>	198.88 7.88 43.91	87.82
23 31 13	13-0733	LF	46" x 56", 20 Gauge Galvanized Steel Duct <i>For Flat Oval, Add</i> <i>For Work In Restricted Working Space, Add</i>	202.86 8.03 44.79	89.58
23 31 13	13-0734	LF	46" x 58", 20 Gauge Galvanized Steel Duct <i>For Flat Oval, Add</i> <i>For Work In Restricted Working Space, Add</i>	206.83 8.19 45.67	91.33
23 31 13	13-0735	LF	48" x 48", 20 Gauge Galvanized Steel Duct <i>For Flat Oval, Add</i> <i>For Work In Restricted Working Space, Add</i>	190.92 7.56 42.15	84.31



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0736 LF 48" x 50", 20 Gauge Galvanized Steel Duct	194.89	86.07
For Flat Oval, Add	7.72	
For Work In Restricted Working Space, Add	43.03	
23 31 13 13-0737 LF 48" x 52", 20 Gauge Galvanized Steel Duct	198.88	87.82
For Flat Oval, Add	7.88	
For Work In Restricted Working Space, Add	43.91	
23 31 13 13-0738 LF 48" x 54", 20 Gauge Galvanized Steel Duct	202.86	89.58
For Flat Oval, Add	8.03	
For Work In Restricted Working Space, Add	44.79	
23 31 13 13-0739 LF 48" x 56", 20 Gauge Galvanized Steel Duct	206.83	91.33
For Flat Oval, Add	8.19	
For Work In Restricted Working Space, Add	45.67	
23 31 13 13-0740 LF 48" x 58", 20 Gauge Galvanized Steel Duct	210.81	93.09
For Flat Oval, Add	8.35	
For Work In Restricted Working Space, Add	46.55	
23 31 13 13-0741 LF 48" x 60", 20 Gauge Galvanized Steel Duct	214.78	94.84
For Flat Oval, Add	8.51	
For Work In Restricted Working Space, Add	47.42	
23 31 13 13-0742 LF 50" x 50", 20 Gauge Galvanized Steel Duct	198.88	87.82
For Flat Oval, Add	7.88	
For Work In Restricted Working Space, Add	43.91	
23 31 13 13-0743 LF 50" x 52", 20 Gauge Galvanized Steel Duct	202.86	89.58
For Flat Oval, Add	8.03	
For Work In Restricted Working Space, Add	44.79	
23 31 13 13-0744 LF 50" x 54", 20 Gauge Galvanized Steel Duct	206.83	91.33
For Flat Oval, Add	8.19	
For Work In Restricted Working Space, Add	45.67	
23 31 13 13-0745 LF 50" x 56", 20 Gauge Galvanized Steel Duct	210.81	93.09
For Flat Oval, Add	8.35	
For Work In Restricted Working Space, Add	46.55	
23 31 13 13-0746 LF 50" x 58", 20 Gauge Galvanized Steel Duct	214.78	94.84
For Flat Oval, Add	8.51	
For Work In Restricted Working Space, Add	47.42	
23 31 13 13-0747 LF 50" x 60", 20 Gauge Galvanized Steel Duct	218.76	96.60
For Flat Oval, Add	8.66	
For Work In Restricted Working Space, Add	48.30	
23 31 13 13-0748 LF 52" x 52", 20 Gauge Galvanized Steel Duct	206.83	91.33
For Flat Oval, Add	8.19	
For Work In Restricted Working Space, Add	45.67	
23 31 13 13-0749 LF 52" x 54", 20 Gauge Galvanized Steel Duct	210.81	93.09
For Flat Oval, Add	8.35	
For Work In Restricted Working Space, Add	46.55	
23 31 13 13-0750 LF 52" x 56", 20 Gauge Galvanized Steel Duct	214.78	94.84
For Flat Oval, Add	8.51	
For Work In Restricted Working Space, Add	47.42	
23 31 13 13-0751 LF 52" x 58", 20 Gauge Galvanized Steel Duct	218.76	96.60
For Flat Oval, Add	8.66	
For Work In Restricted Working Space, Add	48.30	
23 31 13 13-0752 LF 52" x 60", 20 Gauge Galvanized Steel Duct	222.75	98.37
For Flat Oval, Add	8.82	
For Work In Restricted Working Space, Add	49.18	
23 31 13 13-0753 LF 54" x 54", 20 Gauge Galvanized Steel Duct	214.78	94.84
For Flat Oval, Add	8.51	
For Work In Restricted Working Space, Add	47.42	
23 31 13 13-0754 LF 54" x 56", 20 Gauge Galvanized Steel Duct	218.76	96.60
For Flat Oval, Add	8.66	
For Work In Restricted Working Space, Add	48.30	
23 31 13 13-0755 LF 54" x 58", 20 Gauge Galvanized Steel Duct	222.75	98.37
For Flat Oval, Add	8.82	
For Work In Restricted Working Space, Add	49.18	
23 31 13 13-0756 LF 54" x 60", 20 Gauge Galvanized Steel Duct	226.71	100.12
For Flat Oval, Add	8.98	
For Work In Restricted Working Space, Add	50.06	
23 31 13 13-0757 LF 54" x 62", 20 Gauge Galvanized Steel Duct	230.69	101.88
For Flat Oval, Add	9.14	
For Work In Restricted Working Space, Add	50.93	
23 31 13 13-0758 LF 54" x 64", 20 Gauge Galvanized Steel Duct	234.65	103.63
For Flat Oval, Add	9.29	
For Work In Restricted Working Space, Add	51.81	
23 31 13 13-0759 LF 56" x 56", 20 Gauge Galvanized Steel Duct	222.75	98.37
For Flat Oval, Add	8.82	
For Work In Restricted Working Space, Add	49.18	
23 31 13 13-0760 LF 56" x 58", 20 Gauge Galvanized Steel Duct	226.71	100.12
For Flat Oval, Add	8.98	
For Work In Restricted Working Space, Add	50.06	
23 31 13 13-0761 LF 56" x 60", 20 Gauge Galvanized Steel Duct	230.69	101.88
For Flat Oval, Add	9.14	
For Work In Restricted Working Space, Add	50.93	
23 31 13 13-0762 LF 56" x 62", 20 Gauge Galvanized Steel Duct	234.65	103.63
For Flat Oval, Add	9.29	
For Work In Restricted Working Space, Add	51.81	
23 31 13 13-0763 LF 56" x 64", 20 Gauge Galvanized Steel Duct	238.64	105.39
For Flat Oval, Add	9.45	
For Work In Restricted Working Space, Add	52.69	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 31 HVAC Ducts And Casings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13	13-0764	LF	58" x 58", 20 Gauge Galvanized Steel Duct	230.69	101.88
			<i>For Flat Oval, Add</i>	9.14	
			<i>For Work In Restricted Working Space, Add</i>	50.93	
23 31 13	13-0765	LF	58" x 60", 20 Gauge Galvanized Steel Duct	234.65	103.63
			<i>For Flat Oval, Add</i>	9.29	
			<i>For Work In Restricted Working Space, Add</i>	51.81	
23 31 13	13-0766	LF	58" x 62", 20 Gauge Galvanized Steel Duct	238.64	105.39
			<i>For Flat Oval, Add</i>	9.45	
			<i>For Work In Restricted Working Space, Add</i>	52.69	
23 31 13	13-0767	LF	58" x 64", 20 Gauge Galvanized Steel Duct	242.63	107.14
			<i>For Flat Oval, Add</i>	9.61	
			<i>For Work In Restricted Working Space, Add</i>	53.57	
23 31 13	13-0768	LF	58" x 66", 20 Gauge Galvanized Steel Duct	246.60	108.90
			<i>For Flat Oval, Add</i>	9.77	
			<i>For Work In Restricted Working Space, Add</i>	54.45	
23 31 13	13-0769	LF	60" x 60", 20 Gauge Galvanized Steel Duct	238.64	105.39
			<i>For Flat Oval, Add</i>	9.45	
			<i>For Work In Restricted Working Space, Add</i>	52.69	
23 31 13	13-0770	LF	60" x 62", 20 Gauge Galvanized Steel Duct	242.63	107.14
			<i>For Flat Oval, Add</i>	9.61	
			<i>For Work In Restricted Working Space, Add</i>	53.57	
23 31 13	13-0771	LF	60" x 64", 20 Gauge Galvanized Steel Duct	246.60	108.90
			<i>For Flat Oval, Add</i>	9.77	
			<i>For Work In Restricted Working Space, Add</i>	54.45	
23 31 13	13-0772	LF	60" x 66", 20 Gauge Galvanized Steel Duct	250.58	110.65
			<i>For Flat Oval, Add</i>	9.92	
			<i>For Work In Restricted Working Space, Add</i>	55.33	
23 31 13	13-0773	LF	60" x 68", 20 Gauge Galvanized Steel Duct	254.56	112.41
			<i>For Flat Oval, Add</i>	10.08	
			<i>For Work In Restricted Working Space, Add</i>	56.21	
23 31 13	13-0774	LF	62" x 62", 20 Gauge Galvanized Steel Duct	246.60	108.90
			<i>For Flat Oval, Add</i>	9.77	
			<i>For Work In Restricted Working Space, Add</i>	54.45	
23 31 13	13-0775	LF	62" x 64", 20 Gauge Galvanized Steel Duct	250.58	110.65
			<i>For Flat Oval, Add</i>	9.92	
			<i>For Work In Restricted Working Space, Add</i>	55.33	
23 31 13	13-0776	LF	62" x 66", 20 Gauge Galvanized Steel Duct	254.56	112.41
			<i>For Flat Oval, Add</i>	10.08	
			<i>For Work In Restricted Working Space, Add</i>	56.21	
23 31 13	13-0777	LF	62" x 68", 20 Gauge Galvanized Steel Duct	258.53	114.17
			<i>For Flat Oval, Add</i>	10.24	
			<i>For Work In Restricted Working Space, Add</i>	57.08	
23 31 13	13-0778	LF	62" x 70", 20 Gauge Galvanized Steel Duct	262.52	115.92
			<i>For Flat Oval, Add</i>	10.40	
			<i>For Work In Restricted Working Space, Add</i>	57.96	
23 31 13	13-0779	LF	64" x 64", 20 Gauge Galvanized Steel Duct	254.56	112.41
			<i>For Flat Oval, Add</i>	10.08	
			<i>For Work In Restricted Working Space, Add</i>	56.21	
23 31 13	13-0780	LF	64" x 66", 20 Gauge Galvanized Steel Duct	258.53	114.17
			<i>For Flat Oval, Add</i>	10.24	
			<i>For Work In Restricted Working Space, Add</i>	57.08	
23 31 13	13-0781	LF	64" x 68", 20 Gauge Galvanized Steel Duct	262.52	115.92
			<i>For Flat Oval, Add</i>	10.40	
			<i>For Work In Restricted Working Space, Add</i>	57.96	
23 31 13	13-0782	LF	64" x 70", 20 Gauge Galvanized Steel Duct	266.49	117.68
			<i>For Flat Oval, Add</i>	10.55	
			<i>For Work In Restricted Working Space, Add</i>	58.84	
23 31 13	13-0783	LF	66" x 66", 20 Gauge Galvanized Steel Duct	262.52	115.92
			<i>For Flat Oval, Add</i>	10.40	
			<i>For Work In Restricted Working Space, Add</i>	57.96	
23 31 13	13-0784	LF	66" x 68", 20 Gauge Galvanized Steel Duct	266.49	117.68
			<i>For Flat Oval, Add</i>	10.55	
			<i>For Work In Restricted Working Space, Add</i>	58.84	
23 31 13	13-0785	LF	66" x 70", 20 Gauge Galvanized Steel Duct	270.46	119.44
			<i>For Flat Oval, Add</i>	10.71	
			<i>For Work In Restricted Working Space, Add</i>	59.72	
23 31 13	13-0786	LF	66" x 72", 20 Gauge Galvanized Steel Duct	274.45	121.20
			<i>For Flat Oval, Add</i>	10.87	
			<i>For Work In Restricted Working Space, Add</i>	60.60	
23 31 13	13-0787	LF	68" x 68", 20 Gauge Galvanized Steel Duct	270.46	119.44
			<i>For Flat Oval, Add</i>	10.71	
			<i>For Work In Restricted Working Space, Add</i>	59.72	
23 31 13	13-0788	LF	68" x 70", 20 Gauge Galvanized Steel Duct	274.45	121.20
			<i>For Flat Oval, Add</i>	10.87	
			<i>For Work In Restricted Working Space, Add</i>	60.60	
23 31 13	13-0789	LF	68" x 72", 20 Gauge Galvanized Steel Duct	278.42	122.95
			<i>For Flat Oval, Add</i>	11.03	
			<i>For Work In Restricted Working Space, Add</i>	61.48	
23 31 13	13-0790	LF	68" x 74", 20 Gauge Galvanized Steel Duct	282.41	124.71
			<i>For Flat Oval, Add</i>	11.18	
			<i>For Work In Restricted Working Space, Add</i>	62.36	
23 31 13	13-0791	LF	70" x 70", 20 Gauge Galvanized Steel Duct	278.42	122.95
			<i>For Flat Oval, Add</i>	11.03	
			<i>For Work In Restricted Working Space, Add</i>	61.48	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0792 LF 70" x 72", 20 Gauge Galvanized Steel Duct	282.41	124.71
For Flat Oval, Add	11.18	
For Work In Restricted Working Space, Add	62.36	
23 31 13 13-0793 LF 70" x 74", 20 Gauge Galvanized Steel Duct	286.39	126.47
For Flat Oval, Add	11.34	
For Work In Restricted Working Space, Add	63.23	
23 31 13 13-0794 LF 70" x 76", 20 Gauge Galvanized Steel Duct	290.35	128.22
For Flat Oval, Add	11.50	
For Work In Restricted Working Space, Add	64.11	
23 31 13 13-0795 LF 70" x 78", 20 Gauge Galvanized Steel Duct	294.33	129.98
For Flat Oval, Add	11.66	
For Work In Restricted Working Space, Add	64.99	
23 31 13 13-0796 LF 70" x 80", 20 Gauge Galvanized Steel Duct	298.30	131.73
For Flat Oval, Add	11.81	
For Work In Restricted Working Space, Add	65.87	
23 31 13 13-0797 LF 70" x 82", 20 Gauge Galvanized Steel Duct	302.29	133.49
For Flat Oval, Add	11.97	
For Work In Restricted Working Space, Add	66.74	
23 31 13 13-0798 LF 70" x 84", 20 Gauge Galvanized Steel Duct	306.27	135.24
For Flat Oval, Add	12.13	
For Work In Restricted Working Space, Add	67.62	
23 31 13 13-0799 LF 72" x 72", 20 Gauge Galvanized Steel Duct	286.39	126.47
For Flat Oval, Add	11.34	
For Work In Restricted Working Space, Add	63.23	
23 31 13 13-0800 LF 72" x 74", 20 Gauge Galvanized Steel Duct	290.35	128.22
For Flat Oval, Add	11.50	
For Work In Restricted Working Space, Add	64.11	
23 31 13 13-0801 LF 72" x 76", 20 Gauge Galvanized Steel Duct	294.33	129.98
For Flat Oval, Add	11.66	
For Work In Restricted Working Space, Add	64.99	
23 31 13 13-0802 LF 72" x 78", 20 Gauge Galvanized Steel Duct	298.30	131.73
For Flat Oval, Add	11.81	
For Work In Restricted Working Space, Add	65.87	
23 31 13 13-0803 LF 72" x 80", 20 Gauge Galvanized Steel Duct	302.29	133.49
For Flat Oval, Add	11.97	
For Work In Restricted Working Space, Add	66.74	
23 31 13 13-0804 LF 72" x 82", 20 Gauge Galvanized Steel Duct	306.27	135.24
For Flat Oval, Add	12.13	
For Work In Restricted Working Space, Add	67.62	
23 31 13 13-0805 LF 72" x 84", 20 Gauge Galvanized Steel Duct	310.24	137.00
For Flat Oval, Add	12.29	
For Work In Restricted Working Space, Add	68.50	
23 31 13 13-0806 LF 74" x 74", 20 Gauge Galvanized Steel Duct	294.33	129.98
For Flat Oval, Add	11.66	
For Work In Restricted Working Space, Add	64.99	
23 31 13 13-0807 LF 74" x 76", 20 Gauge Galvanized Steel Duct	298.30	131.73
For Flat Oval, Add	11.81	
For Work In Restricted Working Space, Add	65.87	
23 31 13 13-0808 LF 74" x 78", 20 Gauge Galvanized Steel Duct	302.29	133.49
For Flat Oval, Add	11.97	
For Work In Restricted Working Space, Add	66.74	
23 31 13 13-0809 LF 74" x 80", 20 Gauge Galvanized Steel Duct	306.27	135.24
For Flat Oval, Add	12.13	
For Work In Restricted Working Space, Add	67.62	
23 31 13 13-0810 LF 74" x 82", 20 Gauge Galvanized Steel Duct	310.24	137.00
For Flat Oval, Add	12.29	
For Work In Restricted Working Space, Add	68.50	
23 31 13 13-0811 LF 74" x 84", 20 Gauge Galvanized Steel Duct	314.22	138.75
For Flat Oval, Add	12.44	
For Work In Restricted Working Space, Add	69.38	
23 31 13 13-0812 LF 76" x 76", 20 Gauge Galvanized Steel Duct	302.29	133.49
For Flat Oval, Add	11.97	
For Work In Restricted Working Space, Add	66.74	
23 31 13 13-0813 LF 76" x 78", 20 Gauge Galvanized Steel Duct	306.27	135.24
For Flat Oval, Add	12.13	
For Work In Restricted Working Space, Add	67.62	
23 31 13 13-0814 LF 76" x 80", 20 Gauge Galvanized Steel Duct	310.24	137.00
For Flat Oval, Add	12.29	
For Work In Restricted Working Space, Add	68.50	
23 31 13 13-0815 LF 76" x 82", 20 Gauge Galvanized Steel Duct	314.22	138.75
For Flat Oval, Add	12.44	
For Work In Restricted Working Space, Add	69.38	
23 31 13 13-0816 LF 76" x 84", 20 Gauge Galvanized Steel Duct	318.19	140.51
For Flat Oval, Add	12.60	
For Work In Restricted Working Space, Add	70.26	
23 31 13 13-0817 LF 78" x 78", 20 Gauge Galvanized Steel Duct	310.24	137.00
For Flat Oval, Add	12.29	
For Work In Restricted Working Space, Add	68.50	
23 31 13 13-0818 LF 78" x 80", 20 Gauge Galvanized Steel Duct	314.22	138.75
For Flat Oval, Add	12.44	
For Work In Restricted Working Space, Add	69.38	
23 31 13 13-0819 LF 78" x 82", 20 Gauge Galvanized Steel Duct	318.19	140.51
For Flat Oval, Add	12.60	
For Work In Restricted Working Space, Add	70.26	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 31 HVAC Ducts And Casings**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0820 LF 78" x 84", 20 Gauge Galvanized Steel Duct	322.17	142.28
For Flat Oval, Add	12.76	
For Work In Restricted Working Space, Add	71.14	
23 31 13 13-0821 LF 80" x 80", 20 Gauge Galvanized Steel Duct	318.19	140.51
For Flat Oval, Add	12.60	
For Work In Restricted Working Space, Add	70.26	
23 31 13 13-0822 LF 80" x 82", 20 Gauge Galvanized Steel Duct	322.17	142.28
For Flat Oval, Add	12.76	
For Work In Restricted Working Space, Add	71.14	
23 31 13 13-0823 LF 80" x 84", 20 Gauge Galvanized Steel Duct	326.16	144.03
For Flat Oval, Add	12.92	
For Work In Restricted Working Space, Add	72.02	
23 31 13 13-0824 LF 82" x 82", 20 Gauge Galvanized Steel Duct	326.16	144.03
For Flat Oval, Add	12.92	
For Work In Restricted Working Space, Add	72.02	
23 31 13 13-0825 LF 82" x 84", 20 Gauge Galvanized Steel Duct	330.13	145.79
For Flat Oval, Add	13.07	
For Work In Restricted Working Space, Add	72.89	
23 31 13 13-0826 LF 84" x 84", 20 Gauge Galvanized Steel Duct	334.11	147.54
For Flat Oval, Add	13.23	
For Work In Restricted Working Space, Add	73.77	
23 31 13 13-0827 18 Gauge Galvanized Steel Duct (23 31 13 13-0009)		
23 31 13 13-0828 LF 4" x 4", 18 Gauge Galvanized Steel Duct	20.71	9.15
For Flat Oval, Add	0.82	
For Work In Restricted Working Space, Add	4.57	
23 31 13 13-0829 LF 4" x 6", 18 Gauge Galvanized Steel Duct	25.90	11.43
For Flat Oval, Add	1.03	
For Work In Restricted Working Space, Add	5.72	
23 31 13 13-0830 LF 4" x 8", 18 Gauge Galvanized Steel Duct	31.07	13.72
For Flat Oval, Add	1.23	
For Work In Restricted Working Space, Add	6.86	
23 31 13 13-0831 LF 4" x 10", 18 Gauge Galvanized Steel Duct	36.23	16.01
For Flat Oval, Add	1.43	
For Work In Restricted Working Space, Add	8.00	
23 31 13 13-0832 LF 4" x 12", 18 Gauge Galvanized Steel Duct	41.43	18.29
For Flat Oval, Add	1.64	
For Work In Restricted Working Space, Add	9.15	
23 31 13 13-0833 LF 4" x 14", 18 Gauge Galvanized Steel Duct	46.61	20.58
For Flat Oval, Add	1.85	
For Work In Restricted Working Space, Add	10.29	
23 31 13 13-0834 LF 4" x 16", 18 Gauge Galvanized Steel Duct	51.78	22.87
For Flat Oval, Add	2.05	
For Work In Restricted Working Space, Add	11.43	
23 31 13 13-0835 LF 6" x 6", 18 Gauge Galvanized Steel Duct	31.07	13.72
For Flat Oval, Add	1.23	
For Work In Restricted Working Space, Add	6.86	
23 31 13 13-0836 LF 6" x 8", 18 Gauge Galvanized Steel Duct	36.23	16.01
For Flat Oval, Add	1.43	
For Work In Restricted Working Space, Add	8.00	
23 31 13 13-0837 LF 6" x 10", 18 Gauge Galvanized Steel Duct	41.43	18.29
For Flat Oval, Add	1.64	
For Work In Restricted Working Space, Add	9.15	
23 31 13 13-0838 LF 6" x 12", 18 Gauge Galvanized Steel Duct	46.61	20.58
For Flat Oval, Add	1.85	
For Work In Restricted Working Space, Add	10.29	
23 31 13 13-0839 LF 6" x 14", 18 Gauge Galvanized Steel Duct	51.78	22.87
For Flat Oval, Add	2.05	
For Work In Restricted Working Space, Add	11.43	
23 31 13 13-0840 LF 6" x 16", 18 Gauge Galvanized Steel Duct	56.96	25.15
For Flat Oval, Add	2.25	
For Work In Restricted Working Space, Add	12.58	
23 31 13 13-0841 LF 8" x 8", 18 Gauge Galvanized Steel Duct	41.43	18.29
For Flat Oval, Add	1.64	
For Work In Restricted Working Space, Add	9.15	
23 31 13 13-0842 LF 8" x 10", 18 Gauge Galvanized Steel Duct	46.61	20.58
For Flat Oval, Add	1.85	
For Work In Restricted Working Space, Add	10.29	
23 31 13 13-0843 LF 8" x 12", 18 Gauge Galvanized Steel Duct	51.78	22.87
For Flat Oval, Add	2.05	
For Work In Restricted Working Space, Add	11.43	
23 31 13 13-0844 LF 8" x 14", 18 Gauge Galvanized Steel Duct	56.96	25.15
For Flat Oval, Add	2.25	
For Work In Restricted Working Space, Add	12.58	
23 31 13 13-0845 LF 8" x 16", 18 Gauge Galvanized Steel Duct	62.13	27.44
For Flat Oval, Add	2.46	
For Work In Restricted Working Space, Add	13.72	
23 31 13 13-0846 LF 8" x 18", 18 Gauge Galvanized Steel Duct	67.32	29.72
For Flat Oval, Add	2.67	
For Work In Restricted Working Space, Add	14.86	
23 31 13 13-0847 LF 8" x 20", 18 Gauge Galvanized Steel Duct	72.50	32.02
For Flat Oval, Add	2.87	
For Work In Restricted Working Space, Add	16.01	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0848 LF 8" x 22", 18 Gauge Galvanized Steel Duct	77.68	34.30
For Flat Oval, Add	3.08	
For Work In Restricted Working Space, Add	17.15	
23 31 13 13-0849 LF 8" x 24", 18 Gauge Galvanized Steel Duct	82.86	36.59
For Flat Oval, Add	3.28	
For Work In Restricted Working Space, Add	18.30	
23 31 13 13-0850 LF 10" x 10", 18 Gauge Galvanized Steel Duct	51.78	22.87
For Flat Oval, Add	2.05	
For Work In Restricted Working Space, Add	11.43	
23 31 13 13-0851 LF 10" x 12", 18 Gauge Galvanized Steel Duct	56.96	25.15
For Flat Oval, Add	2.25	
For Work In Restricted Working Space, Add	12.58	
23 31 13 13-0852 LF 10" x 14", 18 Gauge Galvanized Steel Duct	62.13	27.44
For Flat Oval, Add	2.46	
For Work In Restricted Working Space, Add	13.72	
23 31 13 13-0853 LF 10" x 16", 18 Gauge Galvanized Steel Duct	67.32	29.72
For Flat Oval, Add	2.67	
For Work In Restricted Working Space, Add	14.86	
23 31 13 13-0854 LF 10" x 18", 18 Gauge Galvanized Steel Duct	72.50	32.02
For Flat Oval, Add	2.87	
For Work In Restricted Working Space, Add	16.01	
23 31 13 13-0855 LF 10" x 20", 18 Gauge Galvanized Steel Duct	77.68	34.30
For Flat Oval, Add	3.08	
For Work In Restricted Working Space, Add	17.15	
23 31 13 13-0856 LF 10" x 22", 18 Gauge Galvanized Steel Duct	82.86	36.59
For Flat Oval, Add	3.28	
For Work In Restricted Working Space, Add	18.30	
23 31 13 13-0857 LF 10" x 24", 18 Gauge Galvanized Steel Duct	88.02	38.88
For Flat Oval, Add	3.48	
For Work In Restricted Working Space, Add	19.44	
23 31 13 13-0858 LF 10" x 26", 18 Gauge Galvanized Steel Duct	93.22	41.16
For Flat Oval, Add	3.69	
For Work In Restricted Working Space, Add	20.58	
23 31 13 13-0859 LF 10" x 28", 18 Gauge Galvanized Steel Duct	98.40	43.45
For Flat Oval, Add	3.90	
For Work In Restricted Working Space, Add	21.73	
23 31 13 13-0860 LF 10" x 30", 18 Gauge Galvanized Steel Duct	103.57	45.73
For Flat Oval, Add	4.10	
For Work In Restricted Working Space, Add	22.87	
23 31 13 13-0861 LF 10" x 32", 18 Gauge Galvanized Steel Duct	108.73	48.03
For Flat Oval, Add	4.31	
For Work In Restricted Working Space, Add	24.01	
23 31 13 13-0862 LF 12" x 12", 18 Gauge Galvanized Steel Duct	62.13	27.44
For Flat Oval, Add	2.46	
For Work In Restricted Working Space, Add	13.72	
23 31 13 13-0863 LF 12" x 14", 18 Gauge Galvanized Steel Duct	67.32	29.72
For Flat Oval, Add	2.67	
For Work In Restricted Working Space, Add	14.86	
23 31 13 13-0864 LF 12" x 16", 18 Gauge Galvanized Steel Duct	72.50	32.02
For Flat Oval, Add	2.87	
For Work In Restricted Working Space, Add	16.01	
23 31 13 13-0865 LF 12" x 18", 18 Gauge Galvanized Steel Duct	77.68	34.30
For Flat Oval, Add	3.08	
For Work In Restricted Working Space, Add	17.15	
23 31 13 13-0866 LF 12" x 20", 18 Gauge Galvanized Steel Duct	82.86	36.59
For Flat Oval, Add	3.28	
For Work In Restricted Working Space, Add	18.30	
23 31 13 13-0867 LF 12" x 22", 18 Gauge Galvanized Steel Duct	88.02	38.88
For Flat Oval, Add	3.48	
For Work In Restricted Working Space, Add	19.44	
23 31 13 13-0868 LF 12" x 24", 18 Gauge Galvanized Steel Duct	93.22	41.16
For Flat Oval, Add	3.69	
For Work In Restricted Working Space, Add	20.58	
23 31 13 13-0869 LF 12" x 26", 18 Gauge Galvanized Steel Duct	98.40	43.45
For Flat Oval, Add	3.90	
For Work In Restricted Working Space, Add	21.73	
23 31 13 13-0870 LF 12" x 28", 18 Gauge Galvanized Steel Duct	103.57	45.73
For Flat Oval, Add	4.10	
For Work In Restricted Working Space, Add	22.87	
23 31 13 13-0871 LF 12" x 30", 18 Gauge Galvanized Steel Duct	108.73	48.03
For Flat Oval, Add	4.31	
For Work In Restricted Working Space, Add	24.01	
23 31 13 13-0872 LF 12" x 32", 18 Gauge Galvanized Steel Duct	113.92	50.31
For Flat Oval, Add	4.51	
For Work In Restricted Working Space, Add	25.16	
23 31 13 13-0873 LF 12" x 34", 18 Gauge Galvanized Steel Duct	119.11	52.59
For Flat Oval, Add	4.72	
For Work In Restricted Working Space, Add	26.30	
23 31 13 13-0874 LF 12" x 36", 18 Gauge Galvanized Steel Duct	124.28	54.88
For Flat Oval, Add	4.92	
For Work In Restricted Working Space, Add	27.44	
23 31 13 13-0875 LF 14" x 14", 18 Gauge Galvanized Steel Duct	72.50	32.02
For Flat Oval, Add	2.87	
For Work In Restricted Working Space, Add	16.01	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 31 HVAC Ducts And Casings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13	13-0876	LF	14" x 16", 18 Gauge Galvanized Steel Duct	77.68	34.30
			<i>For Flat Oval, Add</i>	3.08	
			<i>For Work In Restricted Working Space, Add</i>	17.15	
23 31 13	13-0877	LF	14" x 18", 18 Gauge Galvanized Steel Duct	82.86	36.59
			<i>For Flat Oval, Add</i>	3.28	
			<i>For Work In Restricted Working Space, Add</i>	18.30	
23 31 13	13-0878	LF	14" x 20", 18 Gauge Galvanized Steel Duct	88.02	38.88
			<i>For Flat Oval, Add</i>	3.48	
			<i>For Work In Restricted Working Space, Add</i>	19.44	
23 31 13	13-0879	LF	14" x 22", 18 Gauge Galvanized Steel Duct	93.22	41.16
			<i>For Flat Oval, Add</i>	3.69	
			<i>For Work In Restricted Working Space, Add</i>	20.58	
23 31 13	13-0880	LF	14" x 24", 18 Gauge Galvanized Steel Duct	98.40	43.45
			<i>For Flat Oval, Add</i>	3.90	
			<i>For Work In Restricted Working Space, Add</i>	21.73	
23 31 13	13-0881	LF	14" x 26", 18 Gauge Galvanized Steel Duct	103.57	45.73
			<i>For Flat Oval, Add</i>	4.10	
			<i>For Work In Restricted Working Space, Add</i>	22.87	
23 31 13	13-0882	LF	14" x 28", 18 Gauge Galvanized Steel Duct	108.73	48.03
			<i>For Flat Oval, Add</i>	4.31	
			<i>For Work In Restricted Working Space, Add</i>	24.01	
23 31 13	13-0883	LF	14" x 30", 18 Gauge Galvanized Steel Duct	113.92	50.31
			<i>For Flat Oval, Add</i>	4.51	
			<i>For Work In Restricted Working Space, Add</i>	25.16	
23 31 13	13-0884	LF	14" x 32", 18 Gauge Galvanized Steel Duct	119.11	52.59
			<i>For Flat Oval, Add</i>	4.72	
			<i>For Work In Restricted Working Space, Add</i>	26.30	
23 31 13	13-0885	LF	14" x 34", 18 Gauge Galvanized Steel Duct	124.28	54.88
			<i>For Flat Oval, Add</i>	4.92	
			<i>For Work In Restricted Working Space, Add</i>	27.44	
23 31 13	13-0886	LF	14" x 36", 18 Gauge Galvanized Steel Duct	129.47	57.17
			<i>For Flat Oval, Add</i>	5.13	
			<i>For Work In Restricted Working Space, Add</i>	28.59	
23 31 13	13-0887	LF	16" x 16", 18 Gauge Galvanized Steel Duct	82.86	36.59
			<i>For Flat Oval, Add</i>	3.28	
			<i>For Work In Restricted Working Space, Add</i>	18.30	
23 31 13	13-0888	LF	16" x 18", 18 Gauge Galvanized Steel Duct	88.02	38.88
			<i>For Flat Oval, Add</i>	3.48	
			<i>For Work In Restricted Working Space, Add</i>	19.44	
23 31 13	13-0889	LF	16" x 20", 18 Gauge Galvanized Steel Duct	93.22	41.16
			<i>For Flat Oval, Add</i>	3.69	
			<i>For Work In Restricted Working Space, Add</i>	20.58	
23 31 13	13-0890	LF	16" x 22", 18 Gauge Galvanized Steel Duct	98.40	43.45
			<i>For Flat Oval, Add</i>	3.90	
			<i>For Work In Restricted Working Space, Add</i>	21.73	
23 31 13	13-0891	LF	16" x 24", 18 Gauge Galvanized Steel Duct	103.57	45.73
			<i>For Flat Oval, Add</i>	4.10	
			<i>For Work In Restricted Working Space, Add</i>	22.87	
23 31 13	13-0892	LF	16" x 26", 18 Gauge Galvanized Steel Duct	108.73	48.03
			<i>For Flat Oval, Add</i>	4.31	
			<i>For Work In Restricted Working Space, Add</i>	24.01	
23 31 13	13-0893	LF	16" x 28", 18 Gauge Galvanized Steel Duct	113.92	50.31
			<i>For Flat Oval, Add</i>	4.51	
			<i>For Work In Restricted Working Space, Add</i>	25.16	
23 31 13	13-0894	LF	16" x 30", 18 Gauge Galvanized Steel Duct	119.11	52.59
			<i>For Flat Oval, Add</i>	4.72	
			<i>For Work In Restricted Working Space, Add</i>	26.30	
23 31 13	13-0895	LF	16" x 32", 18 Gauge Galvanized Steel Duct	124.28	54.88
			<i>For Flat Oval, Add</i>	4.92	
			<i>For Work In Restricted Working Space, Add</i>	27.44	
23 31 13	13-0896	LF	16" x 34", 18 Gauge Galvanized Steel Duct	129.47	57.17
			<i>For Flat Oval, Add</i>	5.13	
			<i>For Work In Restricted Working Space, Add</i>	28.59	
23 31 13	13-0897	LF	16" x 36", 18 Gauge Galvanized Steel Duct	134.63	59.46
			<i>For Flat Oval, Add</i>	5.33	
			<i>For Work In Restricted Working Space, Add</i>	29.73	
23 31 13	13-0898	LF	16" x 38", 18 Gauge Galvanized Steel Duct	139.80	61.74
			<i>For Flat Oval, Add</i>	5.54	
			<i>For Work In Restricted Working Space, Add</i>	30.87	
23 31 13	13-0899	LF	16" x 40", 18 Gauge Galvanized Steel Duct	145.01	64.03
			<i>For Flat Oval, Add</i>	5.74	
			<i>For Work In Restricted Working Space, Add</i>	32.02	
23 31 13	13-0900	LF	16" x 42", 18 Gauge Galvanized Steel Duct	150.18	66.32
			<i>For Flat Oval, Add</i>	5.95	
			<i>For Work In Restricted Working Space, Add</i>	33.16	
23 31 13	13-0901	LF	16" x 44", 18 Gauge Galvanized Steel Duct	155.34	68.60
			<i>For Flat Oval, Add</i>	6.15	
			<i>For Work In Restricted Working Space, Add</i>	34.30	
23 31 13	13-0902	LF	18" x 18", 18 Gauge Galvanized Steel Duct	93.22	41.16
			<i>For Flat Oval, Add</i>	3.69	
			<i>For Work In Restricted Working Space, Add</i>	20.58	
23 31 13	13-0903	LF	18" x 20", 18 Gauge Galvanized Steel Duct	98.40	43.45
			<i>For Flat Oval, Add</i>	3.90	
			<i>For Work In Restricted Working Space, Add</i>	21.73	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0904 LF 18" x 22", 18 Gauge Galvanized Steel Duct	103.57	45.73
For Flat Oval, Add	4.10	
For Work In Restricted Working Space, Add	22.87	
23 31 13 13-0905 LF 18" x 24", 18 Gauge Galvanized Steel Duct	108.73	48.03
For Flat Oval, Add	4.31	
For Work In Restricted Working Space, Add	24.01	
23 31 13 13-0906 LF 18" x 26", 18 Gauge Galvanized Steel Duct	113.92	50.31
For Flat Oval, Add	4.51	
For Work In Restricted Working Space, Add	25.16	
23 31 13 13-0907 LF 18" x 28", 18 Gauge Galvanized Steel Duct	119.11	52.59
For Flat Oval, Add	4.72	
For Work In Restricted Working Space, Add	26.30	
23 31 13 13-0908 LF 18" x 30", 18 Gauge Galvanized Steel Duct	124.28	54.88
For Flat Oval, Add	4.92	
For Work In Restricted Working Space, Add	27.44	
23 31 13 13-0909 LF 18" x 32", 18 Gauge Galvanized Steel Duct	129.47	57.17
For Flat Oval, Add	5.13	
For Work In Restricted Working Space, Add	28.59	
23 31 13 13-0910 LF 18" x 34", 18 Gauge Galvanized Steel Duct	134.63	59.46
For Flat Oval, Add	5.33	
For Work In Restricted Working Space, Add	29.73	
23 31 13 13-0911 LF 18" x 36", 18 Gauge Galvanized Steel Duct	139.80	61.74
For Flat Oval, Add	5.54	
For Work In Restricted Working Space, Add	30.87	
23 31 13 13-0912 LF 18" x 38", 18 Gauge Galvanized Steel Duct	145.01	64.03
For Flat Oval, Add	5.74	
For Work In Restricted Working Space, Add	32.02	
23 31 13 13-0913 LF 18" x 40", 18 Gauge Galvanized Steel Duct	150.18	66.32
For Flat Oval, Add	5.95	
For Work In Restricted Working Space, Add	33.16	
23 31 13 13-0914 LF 18" x 42", 18 Gauge Galvanized Steel Duct	155.34	68.60
For Flat Oval, Add	6.15	
For Work In Restricted Working Space, Add	34.30	
23 31 13 13-0915 LF 18" x 44", 18 Gauge Galvanized Steel Duct	160.52	70.89
For Flat Oval, Add	6.36	
For Work In Restricted Working Space, Add	35.45	
23 31 13 13-0916 LF 18" x 46", 18 Gauge Galvanized Steel Duct	165.72	73.18
For Flat Oval, Add	6.56	
For Work In Restricted Working Space, Add	36.59	
23 31 13 13-0917 LF 20" x 20", 18 Gauge Galvanized Steel Duct	103.57	45.73
For Flat Oval, Add	4.10	
For Work In Restricted Working Space, Add	22.87	
23 31 13 13-0918 LF 20" x 22", 18 Gauge Galvanized Steel Duct	108.73	48.03
For Flat Oval, Add	4.31	
For Work In Restricted Working Space, Add	24.01	
23 31 13 13-0919 LF 20" x 24", 18 Gauge Galvanized Steel Duct	113.92	50.31
For Flat Oval, Add	4.51	
For Work In Restricted Working Space, Add	25.16	
23 31 13 13-0920 LF 20" x 26", 18 Gauge Galvanized Steel Duct	119.11	52.59
For Flat Oval, Add	4.72	
For Work In Restricted Working Space, Add	26.30	
23 31 13 13-0921 LF 20" x 28", 18 Gauge Galvanized Steel Duct	124.28	54.88
For Flat Oval, Add	4.92	
For Work In Restricted Working Space, Add	27.44	
23 31 13 13-0922 LF 20" x 30", 18 Gauge Galvanized Steel Duct	129.47	57.17
For Flat Oval, Add	5.13	
For Work In Restricted Working Space, Add	28.59	
23 31 13 13-0923 LF 20" x 32", 18 Gauge Galvanized Steel Duct	134.63	59.46
For Flat Oval, Add	5.33	
For Work In Restricted Working Space, Add	29.73	
23 31 13 13-0924 LF 20" x 34", 18 Gauge Galvanized Steel Duct	139.80	61.74
For Flat Oval, Add	5.54	
For Work In Restricted Working Space, Add	30.87	
23 31 13 13-0925 LF 20" x 36", 18 Gauge Galvanized Steel Duct	145.01	64.03
For Flat Oval, Add	5.74	
For Work In Restricted Working Space, Add	32.02	
23 31 13 13-0926 LF 20" x 38", 18 Gauge Galvanized Steel Duct	150.18	66.32
For Flat Oval, Add	5.95	
For Work In Restricted Working Space, Add	33.16	
23 31 13 13-0927 LF 20" x 40", 18 Gauge Galvanized Steel Duct	155.34	68.60
For Flat Oval, Add	6.15	
For Work In Restricted Working Space, Add	34.30	
23 31 13 13-0928 LF 20" x 42", 18 Gauge Galvanized Steel Duct	160.52	70.89
For Flat Oval, Add	6.36	
For Work In Restricted Working Space, Add	35.45	
23 31 13 13-0929 LF 20" x 44", 18 Gauge Galvanized Steel Duct	165.72	73.18
For Flat Oval, Add	6.56	
For Work In Restricted Working Space, Add	36.59	
23 31 13 13-0930 LF 20" x 46", 18 Gauge Galvanized Steel Duct	170.89	75.46
For Flat Oval, Add	6.77	
For Work In Restricted Working Space, Add	37.73	
23 31 13 13-0931 LF 20" x 48", 18 Gauge Galvanized Steel Duct	176.07	77.75
For Flat Oval, Add	6.97	
For Work In Restricted Working Space, Add	38.88	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 31 HVAC Ducts And Casings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13	13-0932	LF	22" x 22", 18 Gauge Galvanized Steel Duct	113.92	50.31
			<i>For Flat Oval, Add</i>	4.51	
			<i>For Work In Restricted Working Space, Add</i>	25.16	
23 31 13	13-0933	LF	22" x 24", 18 Gauge Galvanized Steel Duct	119.11	52.59
			<i>For Flat Oval, Add</i>	4.72	
			<i>For Work In Restricted Working Space, Add</i>	26.30	
23 31 13	13-0934	LF	22" x 26", 18 Gauge Galvanized Steel Duct	124.28	54.88
			<i>For Flat Oval, Add</i>	4.92	
			<i>For Work In Restricted Working Space, Add</i>	27.44	
23 31 13	13-0935	LF	22" x 28", 18 Gauge Galvanized Steel Duct	129.47	57.17
			<i>For Flat Oval, Add</i>	5.13	
			<i>For Work In Restricted Working Space, Add</i>	28.59	
23 31 13	13-0936	LF	22" x 30", 18 Gauge Galvanized Steel Duct	134.63	59.46
			<i>For Flat Oval, Add</i>	5.33	
			<i>For Work In Restricted Working Space, Add</i>	29.73	
23 31 13	13-0937	LF	22" x 32", 18 Gauge Galvanized Steel Duct	139.80	61.74
			<i>For Flat Oval, Add</i>	5.54	
			<i>For Work In Restricted Working Space, Add</i>	30.87	
23 31 13	13-0938	LF	22" x 34", 18 Gauge Galvanized Steel Duct	145.01	64.03
			<i>For Flat Oval, Add</i>	5.74	
			<i>For Work In Restricted Working Space, Add</i>	32.02	
23 31 13	13-0939	LF	22" x 36", 18 Gauge Galvanized Steel Duct	150.18	66.32
			<i>For Flat Oval, Add</i>	5.95	
			<i>For Work In Restricted Working Space, Add</i>	33.16	
23 31 13	13-0940	LF	22" x 38", 18 Gauge Galvanized Steel Duct	155.34	68.60
			<i>For Flat Oval, Add</i>	6.15	
			<i>For Work In Restricted Working Space, Add</i>	34.30	
23 31 13	13-0941	LF	22" x 40", 18 Gauge Galvanized Steel Duct	160.52	70.89
			<i>For Flat Oval, Add</i>	6.36	
			<i>For Work In Restricted Working Space, Add</i>	35.45	
23 31 13	13-0942	LF	22" x 42", 18 Gauge Galvanized Steel Duct	165.72	73.18
			<i>For Flat Oval, Add</i>	6.56	
			<i>For Work In Restricted Working Space, Add</i>	36.59	
23 31 13	13-0943	LF	22" x 44", 18 Gauge Galvanized Steel Duct	170.89	75.46
			<i>For Flat Oval, Add</i>	6.77	
			<i>For Work In Restricted Working Space, Add</i>	37.73	
23 31 13	13-0944	LF	22" x 46", 18 Gauge Galvanized Steel Duct	176.07	77.75
			<i>For Flat Oval, Add</i>	6.97	
			<i>For Work In Restricted Working Space, Add</i>	38.88	
23 31 13	13-0945	LF	22" x 48", 18 Gauge Galvanized Steel Duct	181.24	80.03
			<i>For Flat Oval, Add</i>	7.18	
			<i>For Work In Restricted Working Space, Add</i>	40.02	
23 31 13	13-0946	LF	24" x 24", 18 Gauge Galvanized Steel Duct	124.28	54.88
			<i>For Flat Oval, Add</i>	4.92	
			<i>For Work In Restricted Working Space, Add</i>	27.44	
23 31 13	13-0947	LF	24" x 26", 18 Gauge Galvanized Steel Duct	129.47	57.17
			<i>For Flat Oval, Add</i>	5.13	
			<i>For Work In Restricted Working Space, Add</i>	28.59	
23 31 13	13-0948	LF	24" x 28", 18 Gauge Galvanized Steel Duct	134.63	59.46
			<i>For Flat Oval, Add</i>	5.33	
			<i>For Work In Restricted Working Space, Add</i>	29.73	
23 31 13	13-0949	LF	24" x 30", 18 Gauge Galvanized Steel Duct	139.80	61.74
			<i>For Flat Oval, Add</i>	5.54	
			<i>For Work In Restricted Working Space, Add</i>	30.87	
23 31 13	13-0950	LF	24" x 32", 18 Gauge Galvanized Steel Duct	145.01	64.03
			<i>For Flat Oval, Add</i>	5.74	
			<i>For Work In Restricted Working Space, Add</i>	32.02	
23 31 13	13-0951	LF	24" x 34", 18 Gauge Galvanized Steel Duct	150.18	66.32
			<i>For Flat Oval, Add</i>	5.95	
			<i>For Work In Restricted Working Space, Add</i>	33.16	
23 31 13	13-0952	LF	24" x 36", 18 Gauge Galvanized Steel Duct	155.34	68.60
			<i>For Flat Oval, Add</i>	6.15	
			<i>For Work In Restricted Working Space, Add</i>	34.30	
23 31 13	13-0953	LF	24" x 38", 18 Gauge Galvanized Steel Duct	160.52	70.89
			<i>For Flat Oval, Add</i>	6.36	
			<i>For Work In Restricted Working Space, Add</i>	35.45	
23 31 13	13-0954	LF	24" x 40", 18 Gauge Galvanized Steel Duct	165.72	73.18
			<i>For Flat Oval, Add</i>	6.56	
			<i>For Work In Restricted Working Space, Add</i>	36.59	
23 31 13	13-0955	LF	24" x 42", 18 Gauge Galvanized Steel Duct	170.89	75.46
			<i>For Flat Oval, Add</i>	6.77	
			<i>For Work In Restricted Working Space, Add</i>	37.73	
23 31 13	13-0956	LF	24" x 44", 18 Gauge Galvanized Steel Duct	176.07	77.75
			<i>For Flat Oval, Add</i>	6.97	
			<i>For Work In Restricted Working Space, Add</i>	38.88	
23 31 13	13-0957	LF	24" x 46", 18 Gauge Galvanized Steel Duct	181.24	80.03
			<i>For Flat Oval, Add</i>	7.18	
			<i>For Work In Restricted Working Space, Add</i>	40.02	
23 31 13	13-0958	LF	24" x 48", 18 Gauge Galvanized Steel Duct	186.41	82.33
			<i>For Flat Oval, Add</i>	7.38	
			<i>For Work In Restricted Working Space, Add</i>	41.16	
23 31 13	13-0959	LF	26" x 26", 18 Gauge Galvanized Steel Duct	134.63	59.46
			<i>For Flat Oval, Add</i>	5.33	
			<i>For Work In Restricted Working Space, Add</i>	29.73	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0960 LF 26" x 28", 18 Gauge Galvanized Steel Duct	139.80	61.74
For Flat Oval, Add	5.54	
For Work In Restricted Working Space, Add	30.87	
23 31 13 13-0961 LF 26" x 30", 18 Gauge Galvanized Steel Duct	145.01	64.03
For Flat Oval, Add	5.74	
For Work In Restricted Working Space, Add	32.02	
23 31 13 13-0962 LF 26" x 32", 18 Gauge Galvanized Steel Duct	150.18	66.32
For Flat Oval, Add	5.95	
For Work In Restricted Working Space, Add	33.16	
23 31 13 13-0963 LF 26" x 34", 18 Gauge Galvanized Steel Duct	155.34	68.60
For Flat Oval, Add	6.15	
For Work In Restricted Working Space, Add	34.30	
23 31 13 13-0964 LF 26" x 36", 18 Gauge Galvanized Steel Duct	160.52	70.89
For Flat Oval, Add	6.36	
For Work In Restricted Working Space, Add	35.45	
23 31 13 13-0965 LF 26" x 38", 18 Gauge Galvanized Steel Duct	165.72	73.18
For Flat Oval, Add	6.56	
For Work In Restricted Working Space, Add	36.59	
23 31 13 13-0966 LF 26" x 40", 18 Gauge Galvanized Steel Duct	170.89	75.46
For Flat Oval, Add	6.77	
For Work In Restricted Working Space, Add	37.73	
23 31 13 13-0967 LF 26" x 42", 18 Gauge Galvanized Steel Duct	176.07	77.75
For Flat Oval, Add	6.97	
For Work In Restricted Working Space, Add	38.88	
23 31 13 13-0968 LF 26" x 44", 18 Gauge Galvanized Steel Duct	181.24	80.03
For Flat Oval, Add	7.18	
For Work In Restricted Working Space, Add	40.02	
23 31 13 13-0969 LF 26" x 46", 18 Gauge Galvanized Steel Duct	186.41	82.33
For Flat Oval, Add	7.38	
For Work In Restricted Working Space, Add	41.16	
23 31 13 13-0970 LF 26" x 48", 18 Gauge Galvanized Steel Duct	191.61	84.61
For Flat Oval, Add	7.59	
For Work In Restricted Working Space, Add	42.31	
23 31 13 13-0971 LF 28" x 28", 18 Gauge Galvanized Steel Duct	145.01	64.03
For Flat Oval, Add	5.74	
For Work In Restricted Working Space, Add	32.02	
23 31 13 13-0972 LF 28" x 30", 18 Gauge Galvanized Steel Duct	150.18	66.32
For Flat Oval, Add	5.95	
For Work In Restricted Working Space, Add	33.16	
23 31 13 13-0973 LF 28" x 32", 18 Gauge Galvanized Steel Duct	155.34	68.60
For Flat Oval, Add	6.15	
For Work In Restricted Working Space, Add	34.30	
23 31 13 13-0974 LF 28" x 34", 18 Gauge Galvanized Steel Duct	160.52	70.89
For Flat Oval, Add	6.36	
For Work In Restricted Working Space, Add	35.45	
23 31 13 13-0975 LF 28" x 36", 18 Gauge Galvanized Steel Duct	165.72	73.18
For Flat Oval, Add	6.56	
For Work In Restricted Working Space, Add	36.59	
23 31 13 13-0976 LF 28" x 38", 18 Gauge Galvanized Steel Duct	170.89	75.46
For Flat Oval, Add	6.77	
For Work In Restricted Working Space, Add	37.73	
23 31 13 13-0977 LF 28" x 40", 18 Gauge Galvanized Steel Duct	176.07	77.75
For Flat Oval, Add	6.97	
For Work In Restricted Working Space, Add	38.88	
23 31 13 13-0978 LF 28" x 42", 18 Gauge Galvanized Steel Duct	181.24	80.03
For Flat Oval, Add	7.18	
For Work In Restricted Working Space, Add	40.02	
23 31 13 13-0979 LF 28" x 44", 18 Gauge Galvanized Steel Duct	186.41	82.33
For Flat Oval, Add	7.38	
For Work In Restricted Working Space, Add	41.16	
23 31 13 13-0980 LF 28" x 46", 18 Gauge Galvanized Steel Duct	191.61	84.61
For Flat Oval, Add	7.59	
For Work In Restricted Working Space, Add	42.31	
23 31 13 13-0981 LF 28" x 48", 18 Gauge Galvanized Steel Duct	196.79	86.89
For Flat Oval, Add	7.79	
For Work In Restricted Working Space, Add	43.45	
23 31 13 13-0982 LF 30" x 30", 18 Gauge Galvanized Steel Duct	155.34	68.60
For Flat Oval, Add	6.15	
For Work In Restricted Working Space, Add	34.30	
23 31 13 13-0983 LF 30" x 32", 18 Gauge Galvanized Steel Duct	160.52	70.89
For Flat Oval, Add	6.36	
For Work In Restricted Working Space, Add	35.45	
23 31 13 13-0984 LF 30" x 34", 18 Gauge Galvanized Steel Duct	165.72	73.18
For Flat Oval, Add	6.56	
For Work In Restricted Working Space, Add	36.59	
23 31 13 13-0985 LF 30" x 36", 18 Gauge Galvanized Steel Duct	170.89	75.46
For Flat Oval, Add	6.77	
For Work In Restricted Working Space, Add	37.73	
23 31 13 13-0986 LF 30" x 38", 18 Gauge Galvanized Steel Duct	176.07	77.75
For Flat Oval, Add	6.97	
For Work In Restricted Working Space, Add	38.88	
23 31 13 13-0987 LF 30" x 40", 18 Gauge Galvanized Steel Duct	181.24	80.03
For Flat Oval, Add	7.18	
For Work In Restricted Working Space, Add	40.02	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 31 HVAC Ducts And Casings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13	13-0988	LF	30" x 42", 18 Gauge Galvanized Steel Duct	186.41	82.33
			<i>For Flat Oval, Add</i>	7.38	
			<i>For Work In Restricted Working Space, Add</i>	41.16	
23 31 13	13-0989	LF	30" x 44", 18 Gauge Galvanized Steel Duct	191.61	84.61
			<i>For Flat Oval, Add</i>	7.59	
			<i>For Work In Restricted Working Space, Add</i>	42.31	
23 31 13	13-0990	LF	30" x 46", 18 Gauge Galvanized Steel Duct	196.79	86.89
			<i>For Flat Oval, Add</i>	7.79	
			<i>For Work In Restricted Working Space, Add</i>	43.45	
23 31 13	13-0991	LF	30" x 48", 18 Gauge Galvanized Steel Duct	201.95	89.19
			<i>For Flat Oval, Add</i>	8.00	
			<i>For Work In Restricted Working Space, Add</i>	44.59	
23 31 13	13-0992	LF	32" x 32", 18 Gauge Galvanized Steel Duct	165.72	73.18
			<i>For Flat Oval, Add</i>	6.56	
			<i>For Work In Restricted Working Space, Add</i>	36.59	
23 31 13	13-0993	LF	32" x 34", 18 Gauge Galvanized Steel Duct	170.89	75.46
			<i>For Flat Oval, Add</i>	6.77	
			<i>For Work In Restricted Working Space, Add</i>	37.73	
23 31 13	13-0994	LF	32" x 36", 18 Gauge Galvanized Steel Duct	176.07	77.75
			<i>For Flat Oval, Add</i>	6.97	
			<i>For Work In Restricted Working Space, Add</i>	38.88	
23 31 13	13-0995	LF	32" x 38", 18 Gauge Galvanized Steel Duct	181.24	80.03
			<i>For Flat Oval, Add</i>	7.18	
			<i>For Work In Restricted Working Space, Add</i>	40.02	
23 31 13	13-0996	LF	32" x 40", 18 Gauge Galvanized Steel Duct	186.41	82.33
			<i>For Flat Oval, Add</i>	7.38	
			<i>For Work In Restricted Working Space, Add</i>	41.16	
23 31 13	13-0997	LF	32" x 42", 18 Gauge Galvanized Steel Duct	191.61	84.61
			<i>For Flat Oval, Add</i>	7.59	
			<i>For Work In Restricted Working Space, Add</i>	42.31	
23 31 13	13-0998	LF	32" x 44", 18 Gauge Galvanized Steel Duct	196.79	86.89
			<i>For Flat Oval, Add</i>	7.79	
			<i>For Work In Restricted Working Space, Add</i>	43.45	
23 31 13	13-0999	LF	32" x 46", 18 Gauge Galvanized Steel Duct	201.95	89.19
			<i>For Flat Oval, Add</i>	8.00	
			<i>For Work In Restricted Working Space, Add</i>	44.59	
23 31 13	13-1000	LF	32" x 48", 18 Gauge Galvanized Steel Duct	207.13	91.47
			<i>For Flat Oval, Add</i>	8.20	
			<i>For Work In Restricted Working Space, Add</i>	45.74	
23 31 13	13-1001	LF	34" x 34", 18 Gauge Galvanized Steel Duct	176.07	77.75
			<i>For Flat Oval, Add</i>	6.97	
			<i>For Work In Restricted Working Space, Add</i>	38.88	
23 31 13	13-1002	LF	34" x 36", 18 Gauge Galvanized Steel Duct	181.24	80.03
			<i>For Flat Oval, Add</i>	7.18	
			<i>For Work In Restricted Working Space, Add</i>	40.02	
23 31 13	13-1003	LF	34" x 38", 18 Gauge Galvanized Steel Duct	186.41	82.33
			<i>For Flat Oval, Add</i>	7.38	
			<i>For Work In Restricted Working Space, Add</i>	41.16	
23 31 13	13-1004	LF	34" x 40", 18 Gauge Galvanized Steel Duct	191.61	84.61
			<i>For Flat Oval, Add</i>	7.59	
			<i>For Work In Restricted Working Space, Add</i>	42.31	
23 31 13	13-1005	LF	34" x 42", 18 Gauge Galvanized Steel Duct	196.79	86.89
			<i>For Flat Oval, Add</i>	7.79	
			<i>For Work In Restricted Working Space, Add</i>	43.45	
23 31 13	13-1006	LF	34" x 44", 18 Gauge Galvanized Steel Duct	201.95	89.19
			<i>For Flat Oval, Add</i>	8.00	
			<i>For Work In Restricted Working Space, Add</i>	44.59	
23 31 13	13-1007	LF	34" x 46", 18 Gauge Galvanized Steel Duct	207.13	91.47
			<i>For Flat Oval, Add</i>	8.20	
			<i>For Work In Restricted Working Space, Add</i>	45.74	
23 31 13	13-1008	LF	34" x 48", 18 Gauge Galvanized Steel Duct	212.30	93.76
			<i>For Flat Oval, Add</i>	8.41	
			<i>For Work In Restricted Working Space, Add</i>	46.88	
23 31 13	13-1009	LF	36" x 36", 18 Gauge Galvanized Steel Duct	186.41	82.33
			<i>For Flat Oval, Add</i>	7.38	
			<i>For Work In Restricted Working Space, Add</i>	41.16	
23 31 13	13-1010	LF	36" x 38", 18 Gauge Galvanized Steel Duct	191.61	84.61
			<i>For Flat Oval, Add</i>	7.59	
			<i>For Work In Restricted Working Space, Add</i>	42.31	
23 31 13	13-1011	LF	36" x 40", 18 Gauge Galvanized Steel Duct	196.79	86.89
			<i>For Flat Oval, Add</i>	7.79	
			<i>For Work In Restricted Working Space, Add</i>	43.45	
23 31 13	13-1012	LF	36" x 42", 18 Gauge Galvanized Steel Duct	201.95	89.19
			<i>For Flat Oval, Add</i>	8.00	
			<i>For Work In Restricted Working Space, Add</i>	44.59	
23 31 13	13-1013	LF	36" x 44", 18 Gauge Galvanized Steel Duct	207.13	91.47
			<i>For Flat Oval, Add</i>	8.20	
			<i>For Work In Restricted Working Space, Add</i>	45.74	
23 31 13	13-1014	LF	36" x 46", 18 Gauge Galvanized Steel Duct	212.30	93.76
			<i>For Flat Oval, Add</i>	8.41	
			<i>For Work In Restricted Working Space, Add</i>	46.88	
23 31 13	13-1015	LF	36" x 48", 18 Gauge Galvanized Steel Duct	217.51	96.04
			<i>For Flat Oval, Add</i>	8.61	
			<i>For Work In Restricted Working Space, Add</i>	48.02	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-1016 LF 38" x 38", 18 Gauge Galvanized Steel Duct	196.79	86.89
For Flat Oval, Add	7.79	
For Work In Restricted Working Space, Add	43.45	
23 31 13 13-1017 LF 38" x 40", 18 Gauge Galvanized Steel Duct	201.95	89.19
For Flat Oval, Add	8.00	
For Work In Restricted Working Space, Add	44.59	
23 31 13 13-1018 LF 38" x 42", 18 Gauge Galvanized Steel Duct	207.13	91.47
For Flat Oval, Add	8.20	
For Work In Restricted Working Space, Add	45.74	
23 31 13 13-1019 LF 38" x 44", 18 Gauge Galvanized Steel Duct	212.30	93.76
For Flat Oval, Add	8.41	
For Work In Restricted Working Space, Add	46.88	
23 31 13 13-1020 LF 38" x 46", 18 Gauge Galvanized Steel Duct	217.51	96.04
For Flat Oval, Add	8.61	
For Work In Restricted Working Space, Add	48.02	
23 31 13 13-1021 LF 38" x 48", 18 Gauge Galvanized Steel Duct	222.68	98.34
For Flat Oval, Add	8.82	
For Work In Restricted Working Space, Add	49.17	
23 31 13 13-1022 LF 38" x 50", 18 Gauge Galvanized Steel Duct	227.84	100.62
For Flat Oval, Add	9.02	
For Work In Restricted Working Space, Add	50.31	
23 31 13 13-1023 LF 40" x 40", 18 Gauge Galvanized Steel Duct	207.13	91.47
For Flat Oval, Add	8.20	
For Work In Restricted Working Space, Add	45.74	
23 31 13 13-1024 LF 40" x 42", 18 Gauge Galvanized Steel Duct	212.30	93.76
For Flat Oval, Add	8.41	
For Work In Restricted Working Space, Add	46.88	
23 31 13 13-1025 LF 40" x 44", 18 Gauge Galvanized Steel Duct	217.51	96.04
For Flat Oval, Add	8.61	
For Work In Restricted Working Space, Add	48.02	
23 31 13 13-1026 LF 40" x 46", 18 Gauge Galvanized Steel Duct	222.68	98.34
For Flat Oval, Add	8.82	
For Work In Restricted Working Space, Add	49.17	
23 31 13 13-1027 LF 40" x 48", 18 Gauge Galvanized Steel Duct	227.84	100.62
For Flat Oval, Add	9.02	
For Work In Restricted Working Space, Add	50.31	
23 31 13 13-1028 LF 40" x 50", 18 Gauge Galvanized Steel Duct	233.03	102.90
For Flat Oval, Add	9.23	
For Work In Restricted Working Space, Add	51.45	
23 31 13 13-1029 LF 40" x 52", 18 Gauge Galvanized Steel Duct	238.20	105.19
For Flat Oval, Add	9.43	
For Work In Restricted Working Space, Add	52.60	
23 31 13 13-1030 LF 40" x 54", 18 Gauge Galvanized Steel Duct	243.39	107.48
For Flat Oval, Add	9.64	
For Work In Restricted Working Space, Add	53.74	
23 31 13 13-1031 LF 40" x 56", 18 Gauge Galvanized Steel Duct	248.58	109.77
For Flat Oval, Add	9.84	
For Work In Restricted Working Space, Add	54.89	
23 31 13 13-1032 LF 42" x 42", 18 Gauge Galvanized Steel Duct	217.51	96.04
For Flat Oval, Add	8.61	
For Work In Restricted Working Space, Add	48.02	
23 31 13 13-1033 LF 42" x 44", 18 Gauge Galvanized Steel Duct	222.68	98.34
For Flat Oval, Add	8.82	
For Work In Restricted Working Space, Add	49.17	
23 31 13 13-1034 LF 42" x 46", 18 Gauge Galvanized Steel Duct	227.84	100.62
For Flat Oval, Add	9.02	
For Work In Restricted Working Space, Add	50.31	
23 31 13 13-1035 LF 42" x 48", 18 Gauge Galvanized Steel Duct	233.03	102.90
For Flat Oval, Add	9.23	
For Work In Restricted Working Space, Add	51.45	
23 31 13 13-1036 LF 42" x 50", 18 Gauge Galvanized Steel Duct	238.20	105.19
For Flat Oval, Add	9.43	
For Work In Restricted Working Space, Add	52.60	
23 31 13 13-1037 LF 42" x 52", 18 Gauge Galvanized Steel Duct	243.39	107.48
For Flat Oval, Add	9.64	
For Work In Restricted Working Space, Add	53.74	
23 31 13 13-1038 LF 42" x 54", 18 Gauge Galvanized Steel Duct	248.58	109.77
For Flat Oval, Add	9.84	
For Work In Restricted Working Space, Add	54.89	
23 31 13 13-1039 LF 42" x 56", 18 Gauge Galvanized Steel Duct	253.74	112.05
For Flat Oval, Add	10.05	
For Work In Restricted Working Space, Add	56.03	
23 31 13 13-1040 LF 44" x 44", 18 Gauge Galvanized Steel Duct	227.84	100.62
For Flat Oval, Add	9.02	
For Work In Restricted Working Space, Add	50.31	
23 31 13 13-1041 LF 44" x 46", 18 Gauge Galvanized Steel Duct	233.03	102.90
For Flat Oval, Add	9.23	
For Work In Restricted Working Space, Add	51.45	
23 31 13 13-1042 LF 44" x 48", 18 Gauge Galvanized Steel Duct	238.20	105.19
For Flat Oval, Add	9.43	
For Work In Restricted Working Space, Add	52.60	
23 31 13 13-1043 LF 44" x 50", 18 Gauge Galvanized Steel Duct	243.39	107.48
For Flat Oval, Add	9.64	
For Work In Restricted Working Space, Add	53.74	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 31 HVAC Ducts And Casings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31	13 13-1044	LF	44" x 52", 18 Gauge Galvanized Steel Duct	248.58	109.77
			<i>For Flat Oval, Add</i>	9.84	
			<i>For Work In Restricted Working Space, Add</i>	54.89	
23 31	13 13-1045	LF	44" x 54", 18 Gauge Galvanized Steel Duct	253.74	112.05
			<i>For Flat Oval, Add</i>	10.05	
			<i>For Work In Restricted Working Space, Add</i>	56.03	
23 31	13 13-1046	LF	44" x 56", 18 Gauge Galvanized Steel Duct	258.91	114.33
			<i>For Flat Oval, Add</i>	10.25	
			<i>For Work In Restricted Working Space, Add</i>	57.17	
23 31	13 13-1047	LF	46" x 46", 18 Gauge Galvanized Steel Duct	238.20	105.19
			<i>For Flat Oval, Add</i>	9.43	
			<i>For Work In Restricted Working Space, Add</i>	52.60	
23 31	13 13-1048	LF	46" x 48", 18 Gauge Galvanized Steel Duct	243.39	107.48
			<i>For Flat Oval, Add</i>	9.64	
			<i>For Work In Restricted Working Space, Add</i>	53.74	
23 31	13 13-1049	LF	46" x 50", 18 Gauge Galvanized Steel Duct	248.58	109.77
			<i>For Flat Oval, Add</i>	9.84	
			<i>For Work In Restricted Working Space, Add</i>	54.89	
23 31	13 13-1050	LF	46" x 52", 18 Gauge Galvanized Steel Duct	253.74	112.05
			<i>For Flat Oval, Add</i>	10.05	
			<i>For Work In Restricted Working Space, Add</i>	56.03	
23 31	13 13-1051	LF	46" x 54", 18 Gauge Galvanized Steel Duct	258.91	114.33
			<i>For Flat Oval, Add</i>	10.25	
			<i>For Work In Restricted Working Space, Add</i>	57.17	
23 31	13 13-1052	LF	46" x 56", 18 Gauge Galvanized Steel Duct	264.10	116.63
			<i>For Flat Oval, Add</i>	10.46	
			<i>For Work In Restricted Working Space, Add</i>	58.31	
23 31	13 13-1053	LF	46" x 58", 18 Gauge Galvanized Steel Duct	269.29	118.91
			<i>For Flat Oval, Add</i>	10.67	
			<i>For Work In Restricted Working Space, Add</i>	59.46	
23 31	13 13-1054	LF	48" x 48", 18 Gauge Galvanized Steel Duct	248.58	109.77
			<i>For Flat Oval, Add</i>	9.84	
			<i>For Work In Restricted Working Space, Add</i>	54.89	
23 31	13 13-1055	LF	48" x 50", 18 Gauge Galvanized Steel Duct	253.74	112.05
			<i>For Flat Oval, Add</i>	10.05	
			<i>For Work In Restricted Working Space, Add</i>	56.03	
23 31	13 13-1056	LF	48" x 52", 18 Gauge Galvanized Steel Duct	258.91	114.33
			<i>For Flat Oval, Add</i>	10.25	
			<i>For Work In Restricted Working Space, Add</i>	57.17	
23 31	13 13-1057	LF	48" x 54", 18 Gauge Galvanized Steel Duct	264.10	116.63
			<i>For Flat Oval, Add</i>	10.46	
			<i>For Work In Restricted Working Space, Add</i>	58.31	
23 31	13 13-1058	LF	48" x 56", 18 Gauge Galvanized Steel Duct	269.29	118.91
			<i>For Flat Oval, Add</i>	10.67	
			<i>For Work In Restricted Working Space, Add</i>	59.46	
23 31	13 13-1059	LF	48" x 58", 18 Gauge Galvanized Steel Duct	274.45	121.20
			<i>For Flat Oval, Add</i>	10.87	
			<i>For Work In Restricted Working Space, Add</i>	60.60	
23 31	13 13-1060	LF	48" x 60", 18 Gauge Galvanized Steel Duct	279.63	123.49
			<i>For Flat Oval, Add</i>	11.07	
			<i>For Work In Restricted Working Space, Add</i>	61.74	
23 31	13 13-1061	LF	50" x 50", 18 Gauge Galvanized Steel Duct	258.91	114.33
			<i>For Flat Oval, Add</i>	10.25	
			<i>For Work In Restricted Working Space, Add</i>	57.17	
23 31	13 13-1062	LF	50" x 52", 18 Gauge Galvanized Steel Duct	264.10	116.63
			<i>For Flat Oval, Add</i>	10.46	
			<i>For Work In Restricted Working Space, Add</i>	58.31	
23 31	13 13-1063	LF	50" x 54", 18 Gauge Galvanized Steel Duct	269.29	118.91
			<i>For Flat Oval, Add</i>	10.67	
			<i>For Work In Restricted Working Space, Add</i>	59.46	
23 31	13 13-1064	LF	50" x 56", 18 Gauge Galvanized Steel Duct	274.45	121.20
			<i>For Flat Oval, Add</i>	10.87	
			<i>For Work In Restricted Working Space, Add</i>	60.60	
23 31	13 13-1065	LF	50" x 58", 18 Gauge Galvanized Steel Duct	279.63	123.49
			<i>For Flat Oval, Add</i>	11.07	
			<i>For Work In Restricted Working Space, Add</i>	61.74	
23 31	13 13-1066	LF	50" x 60", 18 Gauge Galvanized Steel Duct	284.81	125.77
			<i>For Flat Oval, Add</i>	11.28	
			<i>For Work In Restricted Working Space, Add</i>	62.89	
23 31	13 13-1067	LF	52" x 52", 18 Gauge Galvanized Steel Duct	269.29	118.91
			<i>For Flat Oval, Add</i>	10.67	
			<i>For Work In Restricted Working Space, Add</i>	59.46	
23 31	13 13-1068	LF	52" x 54", 18 Gauge Galvanized Steel Duct	274.45	121.20
			<i>For Flat Oval, Add</i>	10.87	
			<i>For Work In Restricted Working Space, Add</i>	60.60	
23 31	13 13-1069	LF	52" x 56", 18 Gauge Galvanized Steel Duct	279.63	123.49
			<i>For Flat Oval, Add</i>	11.07	
			<i>For Work In Restricted Working Space, Add</i>	61.74	
23 31	13 13-1070	LF	52" x 58", 18 Gauge Galvanized Steel Duct	284.81	125.77
			<i>For Flat Oval, Add</i>	11.28	
			<i>For Work In Restricted Working Space, Add</i>	62.89	
23 31	13 13-1071	LF	52" x 60", 18 Gauge Galvanized Steel Duct	289.98	128.06
			<i>For Flat Oval, Add</i>	11.48	
			<i>For Work In Restricted Working Space, Add</i>	64.03	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-1072 LF 54" x 54", 18 Gauge Galvanized Steel Duct	279.63	123.49
For Flat Oval, Add	11.07	
For Work In Restricted Working Space, Add	61.74	
23 31 13 13-1073 LF 54" x 56", 18 Gauge Galvanized Steel Duct	284.81	125.77
For Flat Oval, Add	11.28	
For Work In Restricted Working Space, Add	62.89	
23 31 13 13-1074 LF 54" x 58", 18 Gauge Galvanized Steel Duct	289.98	128.06
For Flat Oval, Add	11.48	
For Work In Restricted Working Space, Add	64.03	
23 31 13 13-1075 LF 54" x 60", 18 Gauge Galvanized Steel Duct	295.18	130.34
For Flat Oval, Add	11.69	
For Work In Restricted Working Space, Add	65.18	
23 31 13 13-1076 LF 54" x 62", 18 Gauge Galvanized Steel Duct	300.35	132.64
For Flat Oval, Add	11.90	
For Work In Restricted Working Space, Add	66.32	
23 31 13 13-1077 LF 54" x 64", 18 Gauge Galvanized Steel Duct	305.52	134.92
For Flat Oval, Add	12.10	
For Work In Restricted Working Space, Add	67.46	
23 31 13 13-1078 LF 56" x 56", 18 Gauge Galvanized Steel Duct	289.98	128.06
For Flat Oval, Add	11.48	
For Work In Restricted Working Space, Add	64.03	
23 31 13 13-1079 LF 56" x 58", 18 Gauge Galvanized Steel Duct	295.18	130.34
For Flat Oval, Add	11.69	
For Work In Restricted Working Space, Add	65.18	
23 31 13 13-1080 LF 56" x 60", 18 Gauge Galvanized Steel Duct	300.35	132.64
For Flat Oval, Add	11.90	
For Work In Restricted Working Space, Add	66.32	
23 31 13 13-1081 LF 56" x 62", 18 Gauge Galvanized Steel Duct	305.52	134.92
For Flat Oval, Add	12.10	
For Work In Restricted Working Space, Add	67.46	
23 31 13 13-1082 LF 56" x 64", 18 Gauge Galvanized Steel Duct	310.70	137.20
For Flat Oval, Add	12.30	
For Work In Restricted Working Space, Add	68.60	
23 31 13 13-1083 LF 58" x 58", 18 Gauge Galvanized Steel Duct	300.35	132.64
For Flat Oval, Add	11.90	
For Work In Restricted Working Space, Add	66.32	
23 31 13 13-1084 LF 58" x 60", 18 Gauge Galvanized Steel Duct	305.52	134.92
For Flat Oval, Add	12.10	
For Work In Restricted Working Space, Add	67.46	
23 31 13 13-1085 LF 58" x 62", 18 Gauge Galvanized Steel Duct	310.70	137.20
For Flat Oval, Add	12.30	
For Work In Restricted Working Space, Add	68.60	
23 31 13 13-1086 LF 58" x 64", 18 Gauge Galvanized Steel Duct	315.88	139.49
For Flat Oval, Add	12.51	
For Work In Restricted Working Space, Add	69.75	
23 31 13 13-1087 LF 58" x 66", 18 Gauge Galvanized Steel Duct	321.06	141.78
For Flat Oval, Add	12.72	
For Work In Restricted Working Space, Add	70.89	
23 31 13 13-1088 LF 60" x 60", 18 Gauge Galvanized Steel Duct	310.70	137.20
For Flat Oval, Add	12.30	
For Work In Restricted Working Space, Add	68.60	
23 31 13 13-1089 LF 60" x 62", 18 Gauge Galvanized Steel Duct	315.88	139.49
For Flat Oval, Add	12.51	
For Work In Restricted Working Space, Add	69.75	
23 31 13 13-1090 LF 60" x 64", 18 Gauge Galvanized Steel Duct	321.06	141.78
For Flat Oval, Add	12.72	
For Work In Restricted Working Space, Add	70.89	
23 31 13 13-1091 LF 60" x 66", 18 Gauge Galvanized Steel Duct	326.24	144.07
For Flat Oval, Add	12.92	
For Work In Restricted Working Space, Add	72.03	
23 31 13 13-1092 LF 60" x 68", 18 Gauge Galvanized Steel Duct	331.42	146.35
For Flat Oval, Add	13.13	
For Work In Restricted Working Space, Add	73.18	
23 31 13 13-1093 LF 62" x 62", 18 Gauge Galvanized Steel Duct	321.06	141.78
For Flat Oval, Add	12.72	
For Work In Restricted Working Space, Add	70.89	
23 31 13 13-1094 LF 62" x 64", 18 Gauge Galvanized Steel Duct	326.24	144.07
For Flat Oval, Add	12.92	
For Work In Restricted Working Space, Add	72.03	
23 31 13 13-1095 LF 62" x 66", 18 Gauge Galvanized Steel Duct	331.42	146.35
For Flat Oval, Add	13.13	
For Work In Restricted Working Space, Add	73.18	
23 31 13 13-1096 LF 62" x 68", 18 Gauge Galvanized Steel Duct	336.59	148.63
For Flat Oval, Add	13.33	
For Work In Restricted Working Space, Add	74.32	
23 31 13 13-1097 LF 62" x 70", 18 Gauge Galvanized Steel Duct	341.77	150.93
For Flat Oval, Add	13.53	
For Work In Restricted Working Space, Add	75.47	
23 31 13 13-1098 LF 64" x 64", 18 Gauge Galvanized Steel Duct	331.42	146.35
For Flat Oval, Add	13.13	
For Work In Restricted Working Space, Add	73.18	
23 31 13 13-1099 LF 64" x 66", 18 Gauge Galvanized Steel Duct	336.59	148.63
For Flat Oval, Add	13.33	
For Work In Restricted Working Space, Add	74.32	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 31 HVAC Ducts And Casings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31	13 13-1100	LF	64" x 68", 18 Gauge Galvanized Steel Duct	341.77	150.93
			<i>For Flat Oval, Add</i>	13.53	
			<i>For Work In Restricted Working Space, Add</i>	75.47	
23 31	13 13-1101	LF	64" x 70", 18 Gauge Galvanized Steel Duct	346.95	153.21
			<i>For Flat Oval, Add</i>	13.74	
			<i>For Work In Restricted Working Space, Add</i>	76.61	
23 31	13 13-1102	LF	66" x 66", 18 Gauge Galvanized Steel Duct	341.77	150.93
			<i>For Flat Oval, Add</i>	13.53	
			<i>For Work In Restricted Working Space, Add</i>	75.47	
23 31	13 13-1103	LF	66" x 68", 18 Gauge Galvanized Steel Duct	346.95	153.21
			<i>For Flat Oval, Add</i>	13.74	
			<i>For Work In Restricted Working Space, Add</i>	76.61	
23 31	13 13-1104	LF	66" x 70", 18 Gauge Galvanized Steel Duct	352.13	155.50
			<i>For Flat Oval, Add</i>	13.95	
			<i>For Work In Restricted Working Space, Add</i>	77.75	
23 31	13 13-1105	LF	66" x 72", 18 Gauge Galvanized Steel Duct	357.31	157.79
			<i>For Flat Oval, Add</i>	14.15	
			<i>For Work In Restricted Working Space, Add</i>	78.89	
23 31	13 13-1106	LF	68" x 68", 18 Gauge Galvanized Steel Duct	352.13	155.50
			<i>For Flat Oval, Add</i>	13.95	
			<i>For Work In Restricted Working Space, Add</i>	77.75	
23 31	13 13-1107	LF	68" x 70", 18 Gauge Galvanized Steel Duct	357.31	157.79
			<i>For Flat Oval, Add</i>	14.15	
			<i>For Work In Restricted Working Space, Add</i>	78.89	
23 31	13 13-1108	LF	68" x 72", 18 Gauge Galvanized Steel Duct	362.48	160.08
			<i>For Flat Oval, Add</i>	14.35	
			<i>For Work In Restricted Working Space, Add</i>	80.04	
23 31	13 13-1109	LF	68" x 74", 18 Gauge Galvanized Steel Duct	367.67	162.36
			<i>For Flat Oval, Add</i>	14.56	
			<i>For Work In Restricted Working Space, Add</i>	81.18	
23 31	13 13-1110	LF	70" x 70", 18 Gauge Galvanized Steel Duct	362.48	160.08
			<i>For Flat Oval, Add</i>	14.35	
			<i>For Work In Restricted Working Space, Add</i>	80.04	
23 31	13 13-1111	LF	70" x 72", 18 Gauge Galvanized Steel Duct	367.67	162.36
			<i>For Flat Oval, Add</i>	14.56	
			<i>For Work In Restricted Working Space, Add</i>	81.18	
23 31	13 13-1112	LF	70" x 74", 18 Gauge Galvanized Steel Duct	372.85	164.64
			<i>For Flat Oval, Add</i>	14.77	
			<i>For Work In Restricted Working Space, Add</i>	82.32	
23 31	13 13-1113	LF	70" x 76", 18 Gauge Galvanized Steel Duct	378.02	166.94
			<i>For Flat Oval, Add</i>	14.97	
			<i>For Work In Restricted Working Space, Add</i>	83.47	
23 31	13 13-1114	LF	70" x 78", 18 Gauge Galvanized Steel Duct	383.21	169.22
			<i>For Flat Oval, Add</i>	15.18	
			<i>For Work In Restricted Working Space, Add</i>	84.61	
23 31	13 13-1115	LF	70" x 80", 18 Gauge Galvanized Steel Duct	388.38	171.51
			<i>For Flat Oval, Add</i>	15.38	
			<i>For Work In Restricted Working Space, Add</i>	85.76	
23 31	13 13-1116	LF	70" x 82", 18 Gauge Galvanized Steel Duct	393.54	173.79
			<i>For Flat Oval, Add</i>	15.58	
			<i>For Work In Restricted Working Space, Add</i>	86.90	
23 31	13 13-1117	LF	70" x 84", 18 Gauge Galvanized Steel Duct	398.75	176.08
			<i>For Flat Oval, Add</i>	15.79	
			<i>For Work In Restricted Working Space, Add</i>	88.04	
23 31	13 13-1118	LF	70" x 86", 18 Gauge Galvanized Steel Duct	403.92	178.37
			<i>For Flat Oval, Add</i>	16.00	
			<i>For Work In Restricted Working Space, Add</i>	89.18	
23 31	13 13-1119	LF	72" x 72", 18 Gauge Galvanized Steel Duct	372.85	164.64
			<i>For Flat Oval, Add</i>	14.77	
			<i>For Work In Restricted Working Space, Add</i>	82.32	
23 31	13 13-1120	LF	72" x 74", 18 Gauge Galvanized Steel Duct	378.02	166.94
			<i>For Flat Oval, Add</i>	14.97	
			<i>For Work In Restricted Working Space, Add</i>	83.47	
23 31	13 13-1121	LF	72" x 76", 18 Gauge Galvanized Steel Duct	383.21	169.22
			<i>For Flat Oval, Add</i>	15.18	
			<i>For Work In Restricted Working Space, Add</i>	84.61	
23 31	13 13-1122	LF	72" x 78", 18 Gauge Galvanized Steel Duct	388.38	171.51
			<i>For Flat Oval, Add</i>	15.38	
			<i>For Work In Restricted Working Space, Add</i>	85.76	
23 31	13 13-1123	LF	72" x 80", 18 Gauge Galvanized Steel Duct	393.54	173.79
			<i>For Flat Oval, Add</i>	15.58	
			<i>For Work In Restricted Working Space, Add</i>	86.90	
23 31	13 13-1124	LF	72" x 82", 18 Gauge Galvanized Steel Duct	398.75	176.08
			<i>For Flat Oval, Add</i>	15.79	
			<i>For Work In Restricted Working Space, Add</i>	88.04	
23 31	13 13-1125	LF	72" x 84", 18 Gauge Galvanized Steel Duct	403.92	178.37
			<i>For Flat Oval, Add</i>	16.00	
			<i>For Work In Restricted Working Space, Add</i>	89.18	
23 31	13 13-1126	LF	72" x 86", 18 Gauge Galvanized Steel Duct	409.09	180.65
			<i>For Flat Oval, Add</i>	16.20	
			<i>For Work In Restricted Working Space, Add</i>	90.33	
23 31	13 13-1127	LF	74" x 74", 18 Gauge Galvanized Steel Duct	383.21	169.22
			<i>For Flat Oval, Add</i>	15.18	
			<i>For Work In Restricted Working Space, Add</i>	84.61	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-1128 LF 74" x 76", 18 Gauge Galvanized Steel Duct	388.38	171.51
For Flat Oval, Add	15.38	
For Work In Restricted Working Space, Add	85.76	
23 31 13 13-1129 LF 74" x 78", 18 Gauge Galvanized Steel Duct	393.54	173.79
For Flat Oval, Add	15.58	
For Work In Restricted Working Space, Add	86.90	
23 31 13 13-1130 LF 74" x 80", 18 Gauge Galvanized Steel Duct	398.75	176.08
For Flat Oval, Add	15.79	
For Work In Restricted Working Space, Add	88.04	
23 31 13 13-1131 LF 74" x 82", 18 Gauge Galvanized Steel Duct	403.92	178.37
For Flat Oval, Add	16.00	
For Work In Restricted Working Space, Add	89.18	
23 31 13 13-1132 LF 74" x 84", 18 Gauge Galvanized Steel Duct	409.09	180.65
For Flat Oval, Add	16.20	
For Work In Restricted Working Space, Add	90.33	
23 31 13 13-1133 LF 74" x 86", 18 Gauge Galvanized Steel Duct	414.27	182.95
For Flat Oval, Add	16.40	
For Work In Restricted Working Space, Add	91.47	
23 31 13 13-1134 LF 76" x 76", 18 Gauge Galvanized Steel Duct	393.54	173.79
For Flat Oval, Add	15.58	
For Work In Restricted Working Space, Add	86.90	
23 31 13 13-1135 LF 76" x 78", 18 Gauge Galvanized Steel Duct	398.75	176.08
For Flat Oval, Add	15.79	
For Work In Restricted Working Space, Add	88.04	
23 31 13 13-1136 LF 76" x 80", 18 Gauge Galvanized Steel Duct	403.92	178.37
For Flat Oval, Add	16.00	
For Work In Restricted Working Space, Add	89.18	
23 31 13 13-1137 LF 76" x 82", 18 Gauge Galvanized Steel Duct	409.09	180.65
For Flat Oval, Add	16.20	
For Work In Restricted Working Space, Add	90.33	
23 31 13 13-1138 LF 76" x 84", 18 Gauge Galvanized Steel Duct	414.27	182.95
For Flat Oval, Add	16.40	
For Work In Restricted Working Space, Add	91.47	
23 31 13 13-1139 LF 76" x 86", 18 Gauge Galvanized Steel Duct	419.44	185.23
For Flat Oval, Add	16.61	
For Work In Restricted Working Space, Add	92.61	
23 31 13 13-1140 LF 78" x 78", 18 Gauge Galvanized Steel Duct	403.92	178.37
For Flat Oval, Add	16.00	
For Work In Restricted Working Space, Add	89.18	
23 31 13 13-1141 LF 78" x 80", 18 Gauge Galvanized Steel Duct	409.09	180.65
For Flat Oval, Add	16.20	
For Work In Restricted Working Space, Add	90.33	
23 31 13 13-1142 LF 78" x 82", 18 Gauge Galvanized Steel Duct	414.27	182.95
For Flat Oval, Add	16.40	
For Work In Restricted Working Space, Add	91.47	
23 31 13 13-1143 LF 78" x 84", 18 Gauge Galvanized Steel Duct	419.44	185.23
For Flat Oval, Add	16.61	
For Work In Restricted Working Space, Add	92.61	
23 31 13 13-1144 LF 78" x 86", 18 Gauge Galvanized Steel Duct	424.63	187.51
For Flat Oval, Add	16.82	
For Work In Restricted Working Space, Add	93.76	
23 31 13 13-1145 LF 80" x 80", 18 Gauge Galvanized Steel Duct	414.27	182.95
For Flat Oval, Add	16.40	
For Work In Restricted Working Space, Add	91.47	
23 31 13 13-1146 LF 80" x 82", 18 Gauge Galvanized Steel Duct	419.44	185.23
For Flat Oval, Add	16.61	
For Work In Restricted Working Space, Add	92.61	
23 31 13 13-1147 LF 80" x 84", 18 Gauge Galvanized Steel Duct	424.63	187.51
For Flat Oval, Add	16.82	
For Work In Restricted Working Space, Add	93.76	
23 31 13 13-1148 LF 80" x 86", 18 Gauge Galvanized Steel Duct	429.81	189.80
For Flat Oval, Add	17.02	
For Work In Restricted Working Space, Add	94.90	
23 31 13 13-1149 LF 82" x 82", 18 Gauge Galvanized Steel Duct	424.63	187.51
For Flat Oval, Add	16.82	
For Work In Restricted Working Space, Add	93.76	
23 31 13 13-1150 LF 82" x 84", 18 Gauge Galvanized Steel Duct	429.81	189.80
For Flat Oval, Add	17.02	
For Work In Restricted Working Space, Add	94.90	
23 31 13 13-1151 LF 82" x 86", 18 Gauge Galvanized Steel Duct	434.99	192.09
For Flat Oval, Add	17.23	
For Work In Restricted Working Space, Add	96.05	
23 31 13 13-1152 LF 84" x 84", 18 Gauge Galvanized Steel Duct	434.99	192.09
For Flat Oval, Add	17.23	
For Work In Restricted Working Space, Add	96.05	
23 31 13 13-1153 LF 84" x 86", 18 Gauge Galvanized Steel Duct	440.15	194.38
For Flat Oval, Add	17.43	
For Work In Restricted Working Space, Add	97.19	
23 31 13 13-1154 LF 86" x 86", 18 Gauge Galvanized Steel Duct	445.33	196.66
For Flat Oval, Add	17.63	
For Work In Restricted Working Space, Add	98.33	

23 31 13 13-1155 Aluminum Sheet Metal Duct Alloy 3003-H14 (23 31 13 13)

Note: Ductwork poundage includes all fittings, transitions, collars, straps, support straps, etc.

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 31 HVAC Ducts And Casings**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-1156 LB Aluminum Sheet Metal Ductwork, Low Pressure, Alloy 3003-H14.....	17.69	2.89
For Work In Restricted Working Space, Add	4.92	
For Up To 200, Add	5.70	
For >200 To 500, Add	3.51	
For >500 To 1,000, Add	2.57	
For >1,000 To 2,000, Add	1.45	
For >2,000 To 5,000, Add	0.69	
23 31 13 13-1157 Stainless Steel Sheet Metal Duct Type 304 ^(23 31 13 13)		
Note: Ductwork poundage includes all fittings, transitions, collars, straps, support straps, etc.		
23 31 13 13-1158 LB Stainless Steel Sheet Metal Ductwork, Low Pressure, Type 304.....	17.26	3.85
For Type 316 Stainless Steel, Add	0.42	
For Welded Seams, Add	6.76	
For Work In Restricted Working Space, Add	3.93	
For Up To 200, Add	6.42	
For >200 To 500, Add	4.14	
For >500 To 1,000, Add	2.71	
For >1,000 To 2,000, Add	1.51	
For >2,000 To 5,000, Add	0.65	
23 31 13 13-1159 LB Stainless Steel Sheet Metal Ductwork, Medium Pressure, Type 304.....	19.77	4.82
For Type 316 Stainless Steel, Add	0.48	
For Welded Seams, Add	7.73	
For Work In Restricted Working Space, Add	4.50	
For Up To 200, Add	7.37	
For >200 To 500, Add	4.75	
For >500 To 1,000, Add	3.10	
For >1,000 To 2,000, Add	1.73	
For >2,000 To 5,000, Add	0.74	
23 31 13 13-1160 LB Stainless Steel Sheet Metal Ductwork, High Pressure, Type 304.....	24.12	5.79
For Type 316 Stainless Steel, Add	0.58	
For Welded Seams, Add	9.45	
For Work In Restricted Working Space, Add	5.50	
For Up To 200, Add	8.98	
For >200 To 500, Add	5.79	
For >500 To 1,000, Add	3.78	
For >1,000 To 2,000, Add	2.10	
For >2,000 To 5,000, Add	0.91	
23 31 13 13-1161 Rework Sheet Metal Ductwork ^(23 31 13 13)		
Note: Includes removal of existing ductwork and reinstallation of ductwork. Excludes new ductwork.		
23 31 13 13-1162 LF Up To 1 SF Cross Section, Rework Existing Ductwork.....	28.93	
23 31 13 13-1163 LF >1 To 2 SF Cross Section, Rework Existing Ductwork.....	56.41	
23 31 13 13-1164 LF >2 To 4 SF Cross Section, Rework Existing Ductwork.....	74.54	
23 31 13 13-1165 LF >4 To 6 SF Cross Section, Rework Existing Ductwork.....	93.33	
23 31 13 13-1166 LF >6 To 8 SF Cross Section, Rework Existing Ductwork.....	130.17	
23 31 13 13-1167 LF >8 To 10 SF Cross Section, Rework Existing Ductwork.....	151.86	
23 31 13 13-1168 LF >10 To 12 SF Cross Section, Rework Existing Ductwork.....	173.57	
23 31 13 13-1169 LF >12 To 14 SF Cross Section, Rework Existing Ductwork.....	195.25	
23 31 13 16 Round and Flat-Oval Spiral Ducts ^(23 31 13)		
23 31 13 16-0001 Factory Fabricated Field Installed Low Pressure Round Duct ^(23 31 13 16)		
Note: Based on 26 gauge.		
23 31 13 16-0002 26 Gauge, Factory Fabricated, Field Installed, Low Pressure, Galvanized Sheet Metal Round Ducts ^(23 31 13 16-0001)		
Note: Includes straps and supports.		
23 31 13 16-0003 LF 4", 26 Gauge, Factory Fabricated, Field Installed, Low Pressure, Galvanized Sheet Metal Round Duct.....	6.64	2.53
For 28 Gauge, Deduct	-0.20	
For 24 Gauge, Add	0.20	
For 22 Gauge, Add	0.40	
For 20 Gauge, Add	0.60	
For 18 Gauge, Add	0.80	
For 16 Gauge, Add	0.99	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	1.08	
For Acid Resistant Asphaltum Coating, Add	3.76	
For Work In Restricted Working Space, Add	1.55	
23 31 13 16-0004 LF 5", 26 Gauge, Factory Fabricated, Field Installed, Low Pressure, Galvanized Sheet Metal Round Duct.....	7.63	2.87
For 28 Gauge, Deduct	-0.26	
For 24 Gauge, Add	0.26	
For 22 Gauge, Add	0.52	
For 20 Gauge, Add	0.77	
For 18 Gauge, Add	1.03	
For 16 Gauge, Add	1.26	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	1.38	
For Acid Resistant Asphaltum Coating, Add	4.20	
For Work In Restricted Working Space, Add	1.73	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0005 LF 6", 26 Gauge, Factory Fabricated, Field Installed, Low Pressure, Galvanized Sheet Metal Round Duct	8.61	3.46
For 28 Gauge, Deduct	-0.30	
For 24 Gauge, Add	0.30	
For 22 Gauge, Add	0.59	
For 20 Gauge, Add	0.89	
For 18 Gauge, Add	1.18	
For 16 Gauge, Add	1.44	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	1.58	
For Acid Resistant Asphaltum Coating, Add	4.64	
For Work In Restricted Working Space, Add	1.94	
23 31 13 16-0006 LF 7", 26 Gauge, Factory Fabricated, Field Installed, Low Pressure, Galvanized Sheet Metal Round Duct	9.92	4.03
For 28 Gauge, Deduct	-0.35	
For 24 Gauge, Add	0.35	
For 22 Gauge, Add	0.69	
For 20 Gauge, Add	1.04	
For 18 Gauge, Add	1.39	
For 16 Gauge, Add	1.70	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	1.86	
For Acid Resistant Asphaltum Coating, Add	5.08	
For Work In Restricted Working Space, Add	2.22	
23 31 13 16-0007 LF 8", 26 Gauge, Factory Fabricated, Field Installed, Low Pressure, Galvanized Sheet Metal Round Duct	11.44	4.60
For 28 Gauge, Deduct	-0.39	
For 24 Gauge, Add	0.39	
For 22 Gauge, Add	0.77	
For 20 Gauge, Add	1.16	
For 18 Gauge, Add	1.55	
For 16 Gauge, Add	1.90	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	2.08	
For Acid Resistant Asphaltum Coating, Add	5.52	
For Work In Restricted Working Space, Add	2.59	
23 31 13 16-0008 LF 10", 26 Gauge, Factory Fabricated, Field Installed, Low Pressure, Galvanized Sheet Metal Round Duct	13.82	5.76
For 28 Gauge, Deduct	-0.48	
For 24 Gauge, Add	0.48	
For 22 Gauge, Add	0.95	
For 20 Gauge, Add	1.43	
For 18 Gauge, Add	1.90	
For 16 Gauge, Add	2.34	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	2.56	
For Acid Resistant Asphaltum Coating, Add	6.40	
For Work In Restricted Working Space, Add	3.11	
23 31 13 16-0009 LF 12", 26 Gauge, Factory Fabricated, Field Installed, Low Pressure, Galvanized Sheet Metal Round Duct	17.20	7.71
For 28 Gauge, Deduct	-0.59	
For 24 Gauge, Add	0.59	
For 22 Gauge, Add	1.17	
For 20 Gauge, Add	1.76	
For 18 Gauge, Add	2.34	
For 16 Gauge, Add	2.87	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	3.15	
For Acid Resistant Asphaltum Coating, Add	6.90	
For Work In Restricted Working Space, Add	3.89	
23 31 13 16-0010 LF 14", 26 Gauge, Factory Fabricated, Field Installed, Low Pressure, Galvanized Sheet Metal Round Duct	21.13	11.51
For 28 Gauge, Deduct	-0.68	
For 24 Gauge, Add	0.68	
For 22 Gauge, Add	1.36	
For 20 Gauge, Add	2.05	
For 18 Gauge, Add	2.72	
For 16 Gauge, Add	3.33	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	3.66	
For Acid Resistant Asphaltum Coating, Add	7.26	
For Work In Restricted Working Space, Add	4.86	
23 31 13 16-0011 LF 16", 26 Gauge, Factory Fabricated, Field Installed, Low Pressure, Galvanized Sheet Metal Round Duct	28.91	15.43
For 28 Gauge, Deduct	-1.01	
For 24 Gauge, Add	1.01	
For 22 Gauge, Add	2.02	
For 20 Gauge, Add	3.03	
For 18 Gauge, Add	4.03	
For 16 Gauge, Add	4.94	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	5.42	
For Acid Resistant Asphaltum Coating, Add	7.58	
For Work In Restricted Working Space, Add	6.48	
23 31 13 16-0012 26 Gauge, Factory Fabricated, Field Installed, Low Pressure, Galvanized Sheet Metal Round Adjustable Elbows <small>(23 31 13 16-0001)</small>		
Note: Up to 90 degree.		
23 31 13 16-0013 EA 4", 26 Gauge, Factory Fabricated, Field Installed, Low Pressure, Galvanized Sheet Metal Round Adjustable Elbow	37.63	15.37
For 28 Gauge, Deduct	-0.96	
For 24 Gauge, Add	0.95	
For 22 Gauge, Add	1.90	
For 20 Gauge, Add	2.86	
For 18 Gauge, Add	3.80	
For 16 Gauge, Add	4.66	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	5.11	
For Work In Restricted Working Space, Add	9.22	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 31 HVAC Ducts And Casings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0014	EA		5", 26 Gauge, Factory Fabricated, Field Installed, Low Pressure, Galvanized Sheet Metal Round Adjustable Elbow	42.97	17.73
			<i>For 28 Gauge, Deduct</i>	-1.04	
			<i>For 24 Gauge, Add</i>	1.04	
			<i>For 22 Gauge, Add</i>	2.07	
			<i>For 20 Gauge, Add</i>	3.11	
			<i>For 18 Gauge, Add</i>	4.13	
			<i>For 16 Gauge, Add</i>	5.07	
			<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	5.56	
			<i>For Work In Restricted Working Space, Add</i>	10.64	
23 31 13 16-0015	EA		6", 26 Gauge, Factory Fabricated, Field Installed, Low Pressure, Galvanized Sheet Metal Round Adjustable Elbow	50.34	20.95
			<i>For 28 Gauge, Deduct</i>	-1.17	
			<i>For 24 Gauge, Add</i>	1.16	
			<i>For 22 Gauge, Add</i>	2.33	
			<i>For 20 Gauge, Add</i>	3.49	
			<i>For 18 Gauge, Add</i>	4.64	
			<i>For 16 Gauge, Add</i>	5.70	
			<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	6.25	
			<i>For Work In Restricted Working Space, Add</i>	12.57	
23 31 13 16-0016	EA		7", 26 Gauge, Factory Fabricated, Field Installed, Low Pressure, Galvanized Sheet Metal Round Adjustable Elbow	64.24	26.93
			<i>For 28 Gauge, Deduct</i>	-1.44	
			<i>For 24 Gauge, Add</i>	1.43	
			<i>For 22 Gauge, Add</i>	2.86	
			<i>For 20 Gauge, Add</i>	4.29	
			<i>For 18 Gauge, Add</i>	5.70	
			<i>For 16 Gauge, Add</i>	7.00	
			<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	7.67	
			<i>For Work In Restricted Working Space, Add</i>	16.16	
23 31 13 16-0017	EA		8", 26 Gauge, Factory Fabricated, Field Installed, Low Pressure, Galvanized Sheet Metal Round Adjustable Elbow	76.83	32.80
			<i>For 28 Gauge, Deduct</i>	-1.55	
			<i>For 24 Gauge, Add</i>	1.55	
			<i>For 22 Gauge, Add</i>	3.09	
			<i>For 20 Gauge, Add</i>	4.64	
			<i>For 18 Gauge, Add</i>	6.17	
			<i>For 16 Gauge, Add</i>	7.57	
			<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	8.30	
			<i>For Work In Restricted Working Space, Add</i>	19.69	
23 31 13 16-0018	EA		10", 26 Gauge, Factory Fabricated, Field Installed, Low Pressure, Galvanized Sheet Metal Round Adjustable Elbow	117.24	51.23
			<i>For 28 Gauge, Deduct</i>	-2.05	
			<i>For 24 Gauge, Add</i>	2.04	
			<i>For 22 Gauge, Add</i>	4.07	
			<i>For 20 Gauge, Add</i>	6.12	
			<i>For 18 Gauge, Add</i>	8.13	
			<i>For 16 Gauge, Add</i>	9.98	
			<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	10.94	
			<i>For Work In Restricted Working Space, Add</i>	30.74	
23 31 13 16-0019	EA		12", 26 Gauge, Factory Fabricated, Field Installed, Low Pressure, Galvanized Sheet Metal Round Adjustable Elbow	161.63	70.79
			<i>For 28 Gauge, Deduct</i>	-2.78	
			<i>For 24 Gauge, Add</i>	2.77	
			<i>For 22 Gauge, Add</i>	5.52	
			<i>For 20 Gauge, Add</i>	8.30	
			<i>For 18 Gauge, Add</i>	11.02	
			<i>For 16 Gauge, Add</i>	13.53	
			<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	14.83	
			<i>For Work In Restricted Working Space, Add</i>	42.48	
23 31 13 16-0020	EA		14", 26 Gauge, Factory Fabricated, Field Installed, Low Pressure, Galvanized Sheet Metal Round Adjustable Elbow	198.20	83.75
			<i>For 28 Gauge, Deduct</i>	-4.25	
			<i>For 24 Gauge, Add</i>	4.24	
			<i>For 22 Gauge, Add</i>	8.46	
			<i>For 20 Gauge, Add</i>	12.72	
			<i>For 18 Gauge, Add</i>	16.90	
			<i>For 16 Gauge, Add</i>	20.74	
			<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	22.73	
			<i>For Work In Restricted Working Space, Add</i>	50.24	
23 31 13 16-0021	EA		16", 26 Gauge, Factory Fabricated, Field Installed, Low Pressure, Galvanized Sheet Metal Round Adjustable Elbow	228.20	92.09
			<i>For 28 Gauge, Deduct</i>	-6.10	
			<i>For 24 Gauge, Add</i>	6.07	
			<i>For 22 Gauge, Add</i>	12.13	
			<i>For 20 Gauge, Add</i>	18.22	
			<i>For 18 Gauge, Add</i>	24.21	
			<i>For 16 Gauge, Add</i>	29.71	
			<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	32.57	
			<i>For Work In Restricted Working Space, Add</i>	55.25	

23 31 13 16-0022 26 Gauge, Factory Fabricated, Field Installed, Low Pressure, Galvanized Sheet Metal Round 90 Degree Elbows (23 31 13 16-0001)



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0023 EA 4", 26 Gauge, Factory Fabricated, Field Installed, Low Pressure, Galvanized Sheet Metal Round 90 Degree Elbow.....	31.70	10.36
<i>For 28 Gauge, Deduct</i>	-0.80	
<i>For 24 Gauge, Add</i>	0.80	
<i>For 22 Gauge, Add</i>	1.60	
<i>For 20 Gauge, Add</i>	2.40	
<i>For 18 Gauge, Add</i>	3.19	
<i>For 16 Gauge, Add</i>	3.92	
<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	4.29	
<i>For Work In Restricted Working Space, Add</i>	7.77	
23 31 13 16-0024 EA 5", 26 Gauge, Factory Fabricated, Field Installed, Low Pressure, Galvanized Sheet Metal Round 90 Degree Elbow.....	36.21	11.86
<i>For 28 Gauge, Deduct</i>	-0.92	
<i>For 24 Gauge, Add</i>	0.91	
<i>For 22 Gauge, Add</i>	1.82	
<i>For 20 Gauge, Add</i>	2.74	
<i>For 18 Gauge, Add</i>	3.64	
<i>For 16 Gauge, Add</i>	4.46	
<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	4.89	
<i>For Work In Restricted Working Space, Add</i>	8.88	
23 31 13 16-0025 EA 6", 26 Gauge, Factory Fabricated, Field Installed, Low Pressure, Galvanized Sheet Metal Round 90 Degree Elbow.....	42.06	13.81
<i>For 28 Gauge, Deduct</i>	-1.04	
<i>For 24 Gauge, Add</i>	1.04	
<i>For 22 Gauge, Add</i>	2.07	
<i>For 20 Gauge, Add</i>	3.12	
<i>For 18 Gauge, Add</i>	4.14	
<i>For 16 Gauge, Add</i>	5.08	
<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	5.57	
<i>For Work In Restricted Working Space, Add</i>	10.36	
23 31 13 16-0026 EA 7", 26 Gauge, Factory Fabricated, Field Installed, Low Pressure, Galvanized Sheet Metal Round 90 Degree Elbow.....	49.41	16.57
<i>For 28 Gauge, Deduct</i>	-1.10	
<i>For 24 Gauge, Add</i>	1.10	
<i>For 22 Gauge, Add</i>	2.20	
<i>For 20 Gauge, Add</i>	3.30	
<i>For 18 Gauge, Add</i>	4.38	
<i>For 16 Gauge, Add</i>	5.38	
<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	5.90	
<i>For Work In Restricted Working Space, Add</i>	12.43	
23 31 13 16-0027 EA 8", 26 Gauge, Factory Fabricated, Field Installed, Low Pressure, Galvanized Sheet Metal Round 90 Degree Elbow.....	61.06	20.72
<i>For 28 Gauge, Deduct</i>	-1.28	
<i>For 24 Gauge, Add</i>	1.28	
<i>For 22 Gauge, Add</i>	2.55	
<i>For 20 Gauge, Add</i>	3.83	
<i>For 18 Gauge, Add</i>	5.09	
<i>For 16 Gauge, Add</i>	6.25	
<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	6.85	
<i>For Work In Restricted Working Space, Add</i>	15.54	
23 31 13 16-0028 EA 10", 26 Gauge, Factory Fabricated, Field Installed, Low Pressure, Galvanized Sheet Metal Round 90 Degree Elbow.....	82.28	27.63
<i>For 28 Gauge, Deduct</i>	-1.83	
<i>For 24 Gauge, Add</i>	1.82	
<i>For 22 Gauge, Add</i>	3.64	
<i>For 20 Gauge, Add</i>	5.47	
<i>For 18 Gauge, Add</i>	7.27	
<i>For 16 Gauge, Add</i>	8.92	
<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	9.78	
<i>For Work In Restricted Working Space, Add</i>	20.72	
23 31 13 16-0029 EA 12", 26 Gauge, Factory Fabricated, Field Installed, Low Pressure, Galvanized Sheet Metal Round 90 Degree Elbow.....	121.10	41.44
<i>For 28 Gauge, Deduct</i>	-2.42	
<i>For 24 Gauge, Add</i>	2.42	
<i>For 22 Gauge, Add</i>	4.82	
<i>For 20 Gauge, Add</i>	7.25	
<i>For 18 Gauge, Add</i>	9.63	
<i>For 16 Gauge, Add</i>	11.81	
<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	12.95	
<i>For Work In Restricted Working Space, Add</i>	31.08	
23 31 13 16-0030 EA 14", 26 Gauge, Factory Fabricated, Field Installed, Low Pressure, Galvanized Sheet Metal Round 90 Degree Elbow.....	165.13	52.95
<i>For 28 Gauge, Deduct</i>	-4.54	
<i>For 24 Gauge, Add</i>	4.52	
<i>For 22 Gauge, Add</i>	9.02	
<i>For 20 Gauge, Add</i>	13.56	
<i>For 18 Gauge, Add</i>	18.01	
<i>For 16 Gauge, Add</i>	22.11	
<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	24.24	
<i>For Work In Restricted Working Space, Add</i>	39.71	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 31 HVAC Ducts And Casings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0031	EA		16", 26 Gauge, Factory Fabricated, Field Installed, Low Pressure, Galvanized Sheet Metal Round 90 Degree Elbow.....	206.99	66.76
			<i>For 28 Gauge, Deduct</i>	-5.55	
			<i>For 24 Gauge, Add</i>	5.53	
			<i>For 22 Gauge, Add</i>	11.04	
			<i>For 20 Gauge, Add</i>	16.59	
			<i>For 18 Gauge, Add</i>	22.04	
			<i>For 16 Gauge, Add</i>	27.05	
			<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	29.66	
			<i>For Work In Restricted Working Space, Add</i>	50.07	
23 31 13 16-0032			26 Gauge, Factory Fabricated, Field Installed, Low Pressure, Galvanized Sheet Metal Round 45 Degree Elbows <small>(23 31 13 16-0001)</small>		
23 31 13 16-0033	EA		4", 26 Gauge, Factory Fabricated, Field Installed, Low Pressure, Galvanized Sheet Metal Round 45 Degree Elbow.....	29.54	10.36
			<i>For 28 Gauge, Deduct</i>	-0.50	
			<i>For 24 Gauge, Add</i>	0.50	
			<i>For 22 Gauge, Add</i>	1.00	
			<i>For 20 Gauge, Add</i>	1.51	
			<i>For 18 Gauge, Add</i>	2.00	
			<i>For 16 Gauge, Add</i>	2.46	
			<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	2.69	
			<i>For Work In Restricted Working Space, Add</i>	7.77	
23 31 13 16-0034	EA		5", 26 Gauge, Factory Fabricated, Field Installed, Low Pressure, Galvanized Sheet Metal Round 45 Degree Elbow.....	34.28	11.86
			<i>For 28 Gauge, Deduct</i>	-0.65	
			<i>For 24 Gauge, Add</i>	0.65	
			<i>For 22 Gauge, Add</i>	1.29	
			<i>For 20 Gauge, Add</i>	1.94	
			<i>For 18 Gauge, Add</i>	2.57	
			<i>For 16 Gauge, Add</i>	3.16	
			<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	3.46	
			<i>For Work In Restricted Working Space, Add</i>	8.88	
23 31 13 16-0035	EA		6", 26 Gauge, Factory Fabricated, Field Installed, Low Pressure, Galvanized Sheet Metal Round 45 Degree Elbow.....	39.64	13.81
			<i>For 28 Gauge, Deduct</i>	-0.71	
			<i>For 24 Gauge, Add</i>	0.71	
			<i>For 22 Gauge, Add</i>	1.41	
			<i>For 20 Gauge, Add</i>	2.12	
			<i>For 18 Gauge, Add</i>	2.81	
			<i>For 16 Gauge, Add</i>	3.45	
			<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	3.78	
			<i>For Work In Restricted Working Space, Add</i>	10.36	
23 31 13 16-0036	EA		7", 26 Gauge, Factory Fabricated, Field Installed, Low Pressure, Galvanized Sheet Metal Round 45 Degree Elbow.....	47.36	16.57
			<i>For 28 Gauge, Deduct</i>	-0.82	
			<i>For 24 Gauge, Add</i>	0.82	
			<i>For 22 Gauge, Add</i>	1.63	
			<i>For 20 Gauge, Add</i>	2.45	
			<i>For 18 Gauge, Add</i>	3.26	
			<i>For 16 Gauge, Add</i>	4.00	
			<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	4.38	
			<i>For Work In Restricted Working Space, Add</i>	12.43	
23 31 13 16-0037	EA		8", 26 Gauge, Factory Fabricated, Field Installed, Low Pressure, Galvanized Sheet Metal Round 45 Degree Elbow.....	58.53	20.72
			<i>For 28 Gauge, Deduct</i>	-0.93	
			<i>For 24 Gauge, Add</i>	0.93	
			<i>For 22 Gauge, Add</i>	1.85	
			<i>For 20 Gauge, Add</i>	2.79	
			<i>For 18 Gauge, Add</i>	3.70	
			<i>For 16 Gauge, Add</i>	4.54	
			<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	4.98	
			<i>For Work In Restricted Working Space, Add</i>	15.54	
23 31 13 16-0038	EA		10", 26 Gauge, Factory Fabricated, Field Installed, Low Pressure, Galvanized Sheet Metal Round 45 Degree Elbow.....	79.33	27.63
			<i>For 28 Gauge, Deduct</i>	-1.42	
			<i>For 24 Gauge, Add</i>	1.42	
			<i>For 22 Gauge, Add</i>	2.83	
			<i>For 20 Gauge, Add</i>	4.25	
			<i>For 18 Gauge, Add</i>	5.65	
			<i>For 16 Gauge, Add</i>	6.93	
			<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	7.60	
			<i>For Work In Restricted Working Space, Add</i>	20.72	
23 31 13 16-0039	EA		12", 26 Gauge, Factory Fabricated, Field Installed, Low Pressure, Galvanized Sheet Metal Round 45 Degree Elbow.....	116.82	41.44
			<i>For 28 Gauge, Deduct</i>	-1.83	
			<i>For 24 Gauge, Add</i>	1.82	
			<i>For 22 Gauge, Add</i>	3.64	
			<i>For 20 Gauge, Add</i>	5.47	
			<i>For 18 Gauge, Add</i>	7.27	
			<i>For 16 Gauge, Add</i>	8.92	
			<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	9.78	
			<i>For Work In Restricted Working Space, Add</i>	31.08	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0040	EA			14", 26 Gauge, Factory Fabricated, Field Installed, Low Pressure, Galvanized Sheet Metal Round 45 Degree Elbow.....	155.27	52.95
				<i>For 28 Gauge, Deduct</i>	-3.17	
				<i>For 24 Gauge, Add</i>	3.16	
				<i>For 22 Gauge, Add</i>	6.31	
				<i>For 20 Gauge, Add</i>	9.48	
				<i>For 18 Gauge, Add</i>	12.59	
				<i>For 16 Gauge, Add</i>	15.45	
				<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	16.94	
				<i>For Work In Restricted Working Space, Add</i>	39.71	
23 31 13 16-0041	EA			16", 26 Gauge, Factory Fabricated, Field Installed, Low Pressure, Galvanized Sheet Metal Round 45 Degree Elbow.....	204.44	66.76
				<i>For 28 Gauge, Deduct</i>	-5.20	
				<i>For 24 Gauge, Add</i>	5.18	
				<i>For 22 Gauge, Add</i>	10.34	
				<i>For 20 Gauge, Add</i>	15.54	
				<i>For 18 Gauge, Add</i>	20.64	
				<i>For 16 Gauge, Add</i>	25.33	
				<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	27.77	
				<i>For Work In Restricted Working Space, Add</i>	50.07	
23 31 13 16-0042				26 Gauge, Factory Fabricated, Field Installed, Low Pressure, Galvanized Sheet Metal Round Tees <small>(23 31 13 16-0001)</small>		
23 31 13 16-0043	EA			4", 26 Gauge, Factory Fabricated, Field Installed, Low Pressure, Galvanized Sheet Metal Round Tee.....	46.96	15.54
				<i>For 28 Gauge, Deduct</i>	-1.12	
				<i>For 24 Gauge, Add</i>	1.12	
				<i>For 22 Gauge, Add</i>	2.24	
				<i>For 20 Gauge, Add</i>	3.36	
				<i>For 18 Gauge, Add</i>	4.47	
				<i>For 16 Gauge, Add</i>	5.48	
				<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	6.01	
				<i>For Work In Restricted Working Space, Add</i>	11.65	
23 31 13 16-0044	EA			5", 26 Gauge, Factory Fabricated, Field Installed, Low Pressure, Galvanized Sheet Metal Round Tee.....	55.18	17.73
				<i>For 28 Gauge, Deduct</i>	-1.49	
				<i>For 24 Gauge, Add</i>	1.49	
				<i>For 22 Gauge, Add</i>	2.97	
				<i>For 20 Gauge, Add</i>	4.46	
				<i>For 18 Gauge, Add</i>	5.93	
				<i>For 16 Gauge, Add</i>	7.28	
				<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	7.98	
				<i>For Work In Restricted Working Space, Add</i>	13.32	
23 31 13 16-0045	EA			6", 26 Gauge, Factory Fabricated, Field Installed, Low Pressure, Galvanized Sheet Metal Round Tee.....	63.50	20.72
				<i>For 28 Gauge, Deduct</i>	-1.62	
				<i>For 24 Gauge, Add</i>	1.61	
				<i>For 22 Gauge, Add</i>	3.22	
				<i>For 20 Gauge, Add</i>	4.84	
				<i>For 18 Gauge, Add</i>	6.44	
				<i>For 16 Gauge, Add</i>	7.90	
				<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	8.66	
				<i>For Work In Restricted Working Space, Add</i>	15.54	
23 31 13 16-0046	EA			7", 26 Gauge, Factory Fabricated, Field Installed, Low Pressure, Galvanized Sheet Metal Round Tee.....	75.63	24.86
				<i>For 28 Gauge, Deduct</i>	-1.87	
				<i>For 24 Gauge, Add</i>	1.86	
				<i>For 22 Gauge, Add</i>	3.71	
				<i>For 20 Gauge, Add</i>	5.58	
				<i>For 18 Gauge, Add</i>	7.41	
				<i>For 16 Gauge, Add</i>	9.09	
				<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	9.97	
				<i>For Work In Restricted Working Space, Add</i>	18.65	
23 31 13 16-0047	EA			8", 26 Gauge, Factory Fabricated, Field Installed, Low Pressure, Galvanized Sheet Metal Round Tee.....	99.48	31.08
				<i>For 28 Gauge, Deduct</i>	-3.02	
				<i>For 24 Gauge, Add</i>	3.00	
				<i>For 22 Gauge, Add</i>	6.00	
				<i>For 20 Gauge, Add</i>	9.01	
				<i>For 18 Gauge, Add</i>	11.97	
				<i>For 16 Gauge, Add</i>	14.69	
				<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	16.11	
				<i>For Work In Restricted Working Space, Add</i>	23.31	
23 31 13 16-0048	EA			10", 26 Gauge, Factory Fabricated, Field Installed, Low Pressure, Galvanized Sheet Metal Round Tee.....	131.37	41.44
				<i>For 28 Gauge, Deduct</i>	-3.85	
				<i>For 24 Gauge, Add</i>	3.83	
				<i>For 22 Gauge, Add</i>	7.65	
				<i>For 20 Gauge, Add</i>	11.50	
				<i>For 18 Gauge, Add</i>	15.27	
				<i>For 16 Gauge, Add</i>	18.74	
				<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	20.55	
				<i>For Work In Restricted Working Space, Add</i>	31.08	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 31 HVAC Ducts And Casings**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0049 EA 12", 26 Gauge, Factory Fabricated, Field Installed, Low Pressure, Galvanized Sheet Metal Round Tee.....	183.14	62.16
For 28 Gauge, Deduct	-3.85	
For 24 Gauge, Add	3.83	
For 22 Gauge, Add	7.65	
For 20 Gauge, Add	11.50	
For 18 Gauge, Add	15.27	
For 16 Gauge, Add	18.74	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	20.55	
For Work In Restricted Working Space, Add	46.61	
23 31 13 16-0050 EA 14", 26 Gauge, Factory Fabricated, Field Installed, Low Pressure, Galvanized Sheet Metal Round Tee.....	251.36	79.19
For 28 Gauge, Deduct	-7.33	
For 24 Gauge, Add	7.30	
For 22 Gauge, Add	14.57	
For 20 Gauge, Add	21.90	
For 18 Gauge, Add	29.09	
For 16 Gauge, Add	35.70	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	39.14	
For Work In Restricted Working Space, Add	59.54	
23 31 13 16-0051 EA 16", 26 Gauge, Factory Fabricated, Field Installed, Low Pressure, Galvanized Sheet Metal Round Tee.....	324.50	100.38
For 28 Gauge, Deduct	-10.28	
For 24 Gauge, Add	10.25	
For 22 Gauge, Add	20.46	
For 20 Gauge, Add	30.74	
For 18 Gauge, Add	40.84	
For 16 Gauge, Add	50.12	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	54.95	
For Work In Restricted Working Space, Add	75.08	
23 31 13 16-0052 26 Gauge, Factory Fabricated, Field Installed, Low Pressure, Galvanized Sheet Metal Round Connectors (23 31 13 16-0001)		
23 31 13 16-0053 EA 4", 26 Gauge, Factory Fabricated, Field Installed, Low Pressure, Galvanized Sheet Metal Round Connector	21.15	
For Work In Restricted Working Space, Add	5.53	
23 31 13 16-0054 EA 5", 26 Gauge, Factory Fabricated, Field Installed, Low Pressure, Galvanized Sheet Metal Round Connector	22.29	
For Work In Restricted Working Space, Add	5.81	
23 31 13 16-0055 EA 6", 26 Gauge, Factory Fabricated, Field Installed, Low Pressure, Galvanized Sheet Metal Round Connector	23.87	
For Work In Restricted Working Space, Add	6.22	
23 31 13 16-0056 EA 7", 26 Gauge, Factory Fabricated, Field Installed, Low Pressure, Galvanized Sheet Metal Round Connector	25.47	
For Work In Restricted Working Space, Add	6.56	
23 31 13 16-0057 EA 8", 26 Gauge, Factory Fabricated, Field Installed, Low Pressure, Galvanized Sheet Metal Round Connector	27.67	
For Work In Restricted Working Space, Add	7.08	
23 31 13 16-0058 EA 10", 26 Gauge, Factory Fabricated, Field Installed, Low Pressure, Galvanized Sheet Metal Round Connector	32.77	
For Work In Restricted Working Space, Add	7.91	
23 31 13 16-0059 EA 12", 26 Gauge, Factory Fabricated, Field Installed, Low Pressure, Galvanized Sheet Metal Round Connector	44.56	
For Work In Restricted Working Space, Add	11.05	
23 31 13 16-0060 EA 14", 26 Gauge, Factory Fabricated, Field Installed, Low Pressure, Galvanized Sheet Metal Round Connector	50.91	
For Work In Restricted Working Space, Add	12.58	
23 31 13 16-0061 EA 16", 26 Gauge, Factory Fabricated, Field Installed, Low Pressure, Galvanized Sheet Metal Round Connector	56.01	
For Work In Restricted Working Space, Add	13.78	
23 31 13 16-0062 26 Gauge, Slip Joint, Galvanized, Spiral Duct And Fittings (23 31 13 16)		
23 31 13 16-0063 26 Gauge, Slip Joint, Galvanized, Spiral Duct (23 31 13 16-0062)		
23 31 13 16-0064 LF 4" 26 Gauge, Slip Joint, Galvanized, Spiral Duct	7.17	1.06
For 24 Gauge, Add	0.30	
For 22 Gauge, Add	0.69	
For 20 Gauge, Add	1.12	
For 18 Gauge, Add	1.71	
For 16 Gauge, Add	2.09	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	1.10	
For Work In Restricted Working Space, Add	1.70	
23 31 13 16-0065 LF 6" 26 Gauge, Slip Joint, Galvanized, Spiral Duct	8.97	2.12
For 24 Gauge, Add	0.43	
For 22 Gauge, Add	0.99	
For 20 Gauge, Add	1.61	
For 18 Gauge, Add	2.47	
For 16 Gauge, Add	3.01	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	1.59	
For Work In Restricted Working Space, Add	2.05	
23 31 13 16-0066 LF 8" 26 Gauge, Slip Joint, Galvanized, Spiral Duct	11.29	2.12
For 24 Gauge, Add	0.57	
For 22 Gauge, Add	1.31	
For 20 Gauge, Add	2.13	
For 18 Gauge, Add	3.27	
For 16 Gauge, Add	3.98	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	2.10	
For Work In Restricted Working Space, Add	2.54	
23 31 13 16-0067 LF 10" 26 Gauge, Slip Joint, Galvanized, Spiral Duct	13.65	2.12
For 24 Gauge, Add	0.70	
For 22 Gauge, Add	1.61	
For 20 Gauge, Add	2.63	
For 18 Gauge, Add	4.03	
For 16 Gauge, Add	4.90	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	2.59	
For Work In Restricted Working Space, Add	3.05	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0068 LF 12" 26 Gauge, Slip Joint, Galvanized, Spiral Duct.....	17.02	3.18
For 24 Gauge, Add	0.86	
For 22 Gauge, Add	1.98	
For 20 Gauge, Add	3.23	
For 18 Gauge, Add	4.95	
For 16 Gauge, Add	6.02	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	3.18	
For Work In Restricted Working Space, Add	3.82	
23 31 13 16-0069 LF 14" 26 Gauge, Slip Joint, Galvanized, Spiral Duct.....	20.89	3.18
For 24 Gauge, Add	1.00	
For 22 Gauge, Add	2.30	
For 20 Gauge, Add	3.74	
For 18 Gauge, Add	5.74	
For 16 Gauge, Add	6.99	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	3.69	
For Work In Restricted Working Space, Add	4.77	
23 31 13 16-0070 LF 16" 26 Gauge, Slip Joint, Galvanized, Spiral Duct.....	28.41	3.18
For 24 Gauge, Add	1.45	
For 22 Gauge, Add	3.33	
For 20 Gauge, Add	5.43	
For 18 Gauge, Add	8.33	
For 16 Gauge, Add	10.14	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	5.36	
For Work In Restricted Working Space, Add	6.35	
23 31 13 16-0071 LF 18" 26 Gauge, Slip Joint, Galvanized, Spiral Duct.....	32.70	4.24
For 24 Gauge, Add	1.61	
For 22 Gauge, Add	3.69	
For 20 Gauge, Add	6.02	
For 18 Gauge, Add	9.23	
For 16 Gauge, Add	11.24	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	5.94	
For Work In Restricted Working Space, Add	7.40	
23 31 13 16-0072 LF 20" 26 Gauge, Slip Joint, Galvanized, Spiral Duct.....	36.99	4.24
For 24 Gauge, Add	1.79	
For 22 Gauge, Add	4.12	
For 20 Gauge, Add	6.72	
For 18 Gauge, Add	10.30	
For 16 Gauge, Add	12.54	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	6.63	
For Work In Restricted Working Space, Add	8.41	
23 31 13 16-0073 LF 22" 26 Gauge, Slip Joint, Galvanized, Spiral Duct.....	41.46	5.30
For 24 Gauge, Add	1.98	
For 22 Gauge, Add	4.55	
For 20 Gauge, Add	7.43	
For 18 Gauge, Add	11.39	
For 16 Gauge, Add	13.86	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	7.33	
For Work In Restricted Working Space, Add	9.47	
23 31 13 16-0074 LF 24" 26 Gauge, Slip Joint, Galvanized, Spiral Duct.....	46.08	6.36
For 24 Gauge, Add	2.15	
For 22 Gauge, Add	4.95	
For 20 Gauge, Add	8.07	
For 18 Gauge, Add	12.37	
For 16 Gauge, Add	15.06	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	7.96	
For Work In Restricted Working Space, Add	10.60	
23 31 13 16-0075 26 Gauge, Slip Joint, Galvanized, Spiral 90 Degree Elbows <small>(23 31 13 16-0062)</small>		
23 31 13 16-0076 EA 4" 26 Gauge, Slip Joint, Galvanized, Spiral Duct 90 Degree Elbow.....	70.47	14.84
For 24 Gauge, Add	2.64	
For 22 Gauge, Add	6.06	
For 20 Gauge, Add	9.89	
For 18 Gauge, Add	15.16	
For 16 Gauge, Add	18.45	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	9.75	
For Work In Restricted Working Space, Add	17.19	
23 31 13 16-0077 EA 6" 26 Gauge, Slip Joint, Galvanized, Spiral Duct 90 Degree Elbow.....	103.51	21.19
For 24 Gauge, Add	3.74	
For 22 Gauge, Add	8.61	
For 20 Gauge, Add	14.04	
For 18 Gauge, Add	21.53	
For 16 Gauge, Add	26.21	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	13.85	
For Work In Restricted Working Space, Add	25.44	
23 31 13 16-0078 EA 8" 26 Gauge, Slip Joint, Galvanized, Spiral Duct 90 Degree Elbow.....	147.26	27.55
For 24 Gauge, Add	7.14	
For 22 Gauge, Add	16.42	
For 20 Gauge, Add	26.78	
For 18 Gauge, Add	41.06	
For 16 Gauge, Add	49.98	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	26.42	
For Work In Restricted Working Space, Add	33.47	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 31 HVAC Ducts And Casings**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0079 EA 10" 26 Gauge, Slip Joint, Galvanized, Spiral Duct 90 Degree Elbow.....	183.33	34.97
For 24 Gauge, Add	8.41	
For 22 Gauge, Add	19.33	
For 20 Gauge, Add	31.52	
For 18 Gauge, Add	48.33	
For 16 Gauge, Add	58.84	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	31.10	
For Work In Restricted Working Space, Add	42.39	
23 31 13 16-0080 EA 12" 26 Gauge, Slip Joint, Galvanized, Spiral Duct 90 Degree Elbow.....	225.99	44.51
For 24 Gauge, Add	9.87	
For 22 Gauge, Add	22.70	
For 20 Gauge, Add	37.01	
For 18 Gauge, Add	56.75	
For 16 Gauge, Add	69.09	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	36.52	
For Work In Restricted Working Space, Add	52.99	
23 31 13 16-0081 EA 14" 26 Gauge, Slip Joint, Galvanized, Spiral Duct 90 Degree Elbow.....	247.63	48.75
For 24 Gauge, Add	10.99	
For 22 Gauge, Add	25.27	
For 20 Gauge, Add	41.21	
For 18 Gauge, Add	63.18	
For 16 Gauge, Add	76.92	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	40.66	
For Work In Restricted Working Space, Add	57.81	
23 31 13 16-0082 EA 16" 26 Gauge, Slip Joint, Galvanized, Spiral Duct 90 Degree Elbow.....	292.21	57.23
For 24 Gauge, Add	12.86	
For 22 Gauge, Add	29.57	
For 20 Gauge, Add	48.22	
For 18 Gauge, Add	73.93	
For 16 Gauge, Add	90.01	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	47.57	
For Work In Restricted Working Space, Add	68.38	
23 31 13 16-0083 EA 18" 26 Gauge, Slip Joint, Galvanized, Spiral Duct 90 Degree Elbow.....	356.59	71.00
For 24 Gauge, Add	14.80	
For 22 Gauge, Add	34.03	
For 20 Gauge, Add	55.49	
For 18 Gauge, Add	85.08	
For 16 Gauge, Add	103.57	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	54.75	
For Work In Restricted Working Space, Add	84.78	
23 31 13 16-0084 EA 20" 26 Gauge, Slip Joint, Galvanized, Spiral Duct 90 Degree Elbow.....	429.21	85.84
For 24 Gauge, Add	17.47	
For 22 Gauge, Add	40.17	
For 20 Gauge, Add	65.50	
For 18 Gauge, Add	100.43	
For 16 Gauge, Add	122.26	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	64.62	
For Work In Restricted Working Space, Add	102.56	
23 31 13 16-0085 EA 22" 26 Gauge, Slip Joint, Galvanized, Spiral Duct 90 Degree Elbow.....	499.04	99.62
For 24 Gauge, Add	19.82	
For 22 Gauge, Add	45.59	
For 20 Gauge, Add	74.33	
For 18 Gauge, Add	113.98	
For 16 Gauge, Add	138.75	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	73.34	
For Work In Restricted Working Space, Add	119.98	
23 31 13 16-0086 EA 24" 26 Gauge, Slip Joint, Galvanized, Spiral Duct 90 Degree Elbow.....	573.29	113.40
For 24 Gauge, Add	24.46	
For 22 Gauge, Add	56.26	
For 20 Gauge, Add	91.73	
For 18 Gauge, Add	140.66	
For 16 Gauge, Add	171.23	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	90.51	
For Work In Restricted Working Space, Add	135.29	
23 31 13 16-0087 26 Gauge, Slip Joint, Galvanized, Spiral Duct 45 Degree Elbows (23 31 13 16-0062)		
23 31 13 16-0088 EA 4" 26 Gauge, Slip Joint, Galvanized, Spiral Duct 45 Degree Elbow.....	71.09	14.84
For 24 Gauge, Add	2.76	
For 22 Gauge, Add	6.35	
For 20 Gauge, Add	10.35	
For 18 Gauge, Add	15.87	
For 16 Gauge, Add	19.32	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	10.21	
For Work In Restricted Working Space, Add	17.19	
23 31 13 16-0089 EA 6" 26 Gauge, Slip Joint, Galvanized, Spiral Duct 45 Degree Elbow.....	100.30	21.19
For 24 Gauge, Add	3.10	
For 22 Gauge, Add	7.13	
For 20 Gauge, Add	11.63	
For 18 Gauge, Add	17.84	
For 16 Gauge, Add	21.71	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	11.48	
For Work In Restricted Working Space, Add	25.44	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0090 EA 8" 26 Gauge, Slip Joint, Galvanized, Spiral Duct 45 Degree Elbow.....	132.35	27.55
For 24 Gauge, Add	4.16	
For 22 Gauge, Add	9.56	
For 20 Gauge, Add	15.59	
For 18 Gauge, Add	23.91	
For 16 Gauge, Add	29.11	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	15.38	
For Work In Restricted Working Space, Add	33.47	
23 31 13 16-0091 EA 10" 26 Gauge, Slip Joint, Galvanized, Spiral Duct 45 Degree Elbow.....	167.29	34.97
For 24 Gauge, Add	5.20	
For 22 Gauge, Add	11.96	
For 20 Gauge, Add	19.49	
For 18 Gauge, Add	29.89	
For 16 Gauge, Add	36.39	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	19.23	
For Work In Restricted Working Space, Add	42.39	
23 31 13 16-0092 EA 12" 26 Gauge, Slip Joint, Galvanized, Spiral Duct 45 Degree Elbow.....	206.85	44.51
For 24 Gauge, Add	6.04	
For 22 Gauge, Add	13.90	
For 20 Gauge, Add	22.66	
For 18 Gauge, Add	34.74	
For 16 Gauge, Add	42.29	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	22.36	
For Work In Restricted Working Space, Add	52.99	
23 31 13 16-0093 EA 14" 26 Gauge, Slip Joint, Galvanized, Spiral Duct 45 Degree Elbow.....	226.27	48.75
For 24 Gauge, Add	6.72	
For 22 Gauge, Add	15.45	
For 20 Gauge, Add	25.19	
For 18 Gauge, Add	38.62	
For 16 Gauge, Add	47.01	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	24.85	
For Work In Restricted Working Space, Add	57.81	
23 31 13 16-0094 EA 16" 26 Gauge, Slip Joint, Galvanized, Spiral Duct 45 Degree Elbow.....	282.97	57.23
For 24 Gauge, Add	11.01	
For 22 Gauge, Add	25.32	
For 20 Gauge, Add	41.29	
For 18 Gauge, Add	63.31	
For 16 Gauge, Add	77.07	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	40.74	
For Work In Restricted Working Space, Add	68.38	
23 31 13 16-0095 EA 18" 26 Gauge, Slip Joint, Galvanized, Spiral Duct 45 Degree Elbow.....	350.04	71.00
For 24 Gauge, Add	13.49	
For 22 Gauge, Add	31.02	
For 20 Gauge, Add	50.57	
For 18 Gauge, Add	77.54	
For 16 Gauge, Add	94.40	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	49.90	
For Work In Restricted Working Space, Add	84.78	
23 31 13 16-0096 EA 20" 26 Gauge, Slip Joint, Galvanized, Spiral Duct 45 Degree Elbow.....	427.20	85.84
For 24 Gauge, Add	17.06	
For 22 Gauge, Add	39.25	
For 20 Gauge, Add	63.99	
For 18 Gauge, Add	98.12	
For 16 Gauge, Add	119.45	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	63.14	
For Work In Restricted Working Space, Add	102.56	
23 31 13 16-0097 EA 22" 26 Gauge, Slip Joint, Galvanized, Spiral Duct 45 Degree Elbow.....	476.31	99.62
For 24 Gauge, Add	15.28	
For 22 Gauge, Add	35.13	
For 20 Gauge, Add	57.29	
For 18 Gauge, Add	87.84	
For 16 Gauge, Add	106.93	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	56.52	
For Work In Restricted Working Space, Add	119.98	
23 31 13 16-0098 EA 24" 26 Gauge, Slip Joint, Galvanized, Spiral Duct 45 Degree Elbow.....	565.20	113.40
For 24 Gauge, Add	22.84	
For 22 Gauge, Add	52.54	
For 20 Gauge, Add	85.67	
For 18 Gauge, Add	131.35	
For 16 Gauge, Add	159.91	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	84.52	
For Work In Restricted Working Space, Add	135.29	
23 31 13 16-0099 26 Gauge, Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Laterals		
<small>(23 31 13 16-0099)</small>		
23 31 13 16-0100 EA 6" x 6" x 4" 26 Gauge, Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral	141.23	27.55
For 24 Gauge, Add	5.93	
For 22 Gauge, Add	13.65	
For 20 Gauge, Add	22.25	
For 18 Gauge, Add	34.12	
For 16 Gauge, Add	41.54	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	21.96	
For Work In Restricted Working Space, Add	33.47	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 31 HVAC Ducts And Casings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0101	EA		8" x 8" x 4" 26 Gauge, Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral	207.74	44.51
			<i>For 24 Gauge, Add</i>	6.22	
			<i>For 22 Gauge, Add</i>	14.31	
			<i>For 20 Gauge, Add</i>	23.33	
			<i>For 18 Gauge, Add</i>	35.77	
			<i>For 16 Gauge, Add</i>	43.54	
			<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	23.01	
			<i>For Work In Restricted Working Space, Add</i>	52.99	
23 31 13 16-0102	EA		10" x 10" x 4" 26 Gauge, Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral	262.07	57.23
			<i>For 24 Gauge, Add</i>	6.83	
			<i>For 22 Gauge, Add</i>	15.71	
			<i>For 20 Gauge, Add</i>	25.61	
			<i>For 18 Gauge, Add</i>	39.27	
			<i>For 16 Gauge, Add</i>	47.81	
			<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	25.27	
			<i>For Work In Restricted Working Space, Add</i>	68.38	
23 31 13 16-0103	EA		12" x 12" x 4" 26 Gauge, Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral	318.28	71.00
			<i>For 24 Gauge, Add</i>	7.13	
			<i>For 22 Gauge, Add</i>	16.41	
			<i>For 20 Gauge, Add</i>	26.75	
			<i>For 18 Gauge, Add</i>	41.02	
			<i>For 16 Gauge, Add</i>	49.94	
			<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	26.40	
			<i>For Work In Restricted Working Space, Add</i>	84.78	
23 31 13 16-0104	EA		14" x 14" x 4" 26 Gauge, Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral	378.72	85.84
			<i>For 24 Gauge, Add</i>	7.37	
			<i>For 22 Gauge, Add</i>	16.95	
			<i>For 20 Gauge, Add</i>	27.63	
			<i>For 18 Gauge, Add</i>	42.37	
			<i>For 16 Gauge, Add</i>	51.58	
			<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	27.26	
			<i>For Work In Restricted Working Space, Add</i>	102.56	
23 31 13 16-0105	EA		16" x 16" x 4" 26 Gauge, Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral	440.00	99.62
			<i>For 24 Gauge, Add</i>	8.01	
			<i>For 22 Gauge, Add</i>	18.43	
			<i>For 20 Gauge, Add</i>	30.05	
			<i>For 18 Gauge, Add</i>	46.08	
			<i>For 16 Gauge, Add</i>	56.10	
			<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	29.65	
			<i>For Work In Restricted Working Space, Add</i>	119.98	
23 31 13 16-0106	EA		18" x 18" x 4" 26 Gauge, Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral	492.66	113.40
			<i>For 24 Gauge, Add</i>	8.34	
			<i>For 22 Gauge, Add</i>	19.17	
			<i>For 20 Gauge, Add</i>	31.26	
			<i>For 18 Gauge, Add</i>	47.93	
			<i>For 16 Gauge, Add</i>	58.35	
			<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	30.84	
			<i>For Work In Restricted Working Space, Add</i>	135.29	
23 31 13 16-0107	EA		20" x 20" x 4" 26 Gauge, Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral	560.17	129.30
			<i>For 24 Gauge, Add</i>	8.64	
			<i>For 22 Gauge, Add</i>	19.87	
			<i>For 20 Gauge, Add</i>	32.40	
			<i>For 18 Gauge, Add</i>	49.68	
			<i>For 16 Gauge, Add</i>	60.48	
			<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	31.97	
			<i>For Work In Restricted Working Space, Add</i>	155.09	
23 31 13 16-0108	EA		22" x 22" x 4" 26 Gauge, Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral	624.86	143.07
			<i>For 24 Gauge, Add</i>	10.40	
			<i>For 22 Gauge, Add</i>	23.92	
			<i>For 20 Gauge, Add</i>	38.99	
			<i>For 18 Gauge, Add</i>	59.79	
			<i>For 16 Gauge, Add</i>	72.79	
			<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	38.47	
			<i>For Work In Restricted Working Space, Add</i>	171.86	
23 31 13 16-0109	EA		24" x 24" x 4" 26 Gauge, Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral	677.10	155.79
			<i>For 24 Gauge, Add</i>	10.74	
			<i>For 22 Gauge, Add</i>	24.70	
			<i>For 20 Gauge, Add</i>	40.27	
			<i>For 18 Gauge, Add</i>	61.74	
			<i>For 16 Gauge, Add</i>	75.17	
			<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	39.73	
			<i>For Work In Restricted Working Space, Add</i>	187.02	
23 31 13 16-0110	EA		8" x 8" x 6" 26 Gauge, Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral	218.26	48.01
			<i>For 24 Gauge, Add</i>	5.23	
			<i>For 22 Gauge, Add</i>	12.02	
			<i>For 20 Gauge, Add</i>	19.60	
			<i>For 18 Gauge, Add</i>	30.05	
			<i>For 16 Gauge, Add</i>	36.58	
			<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	19.34	
			<i>For Work In Restricted Working Space, Add</i>	57.64	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0111 EA 10" x 10" x 6" 26 Gauge, Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral	263.98	57.76
For 24 Gauge, Add	6.60	
For 22 Gauge, Add	15.18	
For 20 Gauge, Add	24.74	
For 18 Gauge, Add	37.94	
For 16 Gauge, Add	46.19	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	24.41	
For Work In Restricted Working Space, Add	69.30	
23 31 13 16-0112 EA 12" x 12" x 6" 26 Gauge, Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral	320.71	70.16
For 24 Gauge, Add	8.01	
For 22 Gauge, Add	18.42	
For 20 Gauge, Add	30.04	
For 18 Gauge, Add	46.06	
For 16 Gauge, Add	56.07	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	29.64	
For Work In Restricted Working Space, Add	84.20	
23 31 13 16-0113 EA 14" x 14" x 6" 26 Gauge, Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral	381.80	83.41
For 24 Gauge, Add	9.54	
For 22 Gauge, Add	21.94	
For 20 Gauge, Add	35.77	
For 18 Gauge, Add	54.84	
For 16 Gauge, Add	66.77	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	35.29	
For Work In Restricted Working Space, Add	100.23	
23 31 13 16-0114 EA 16" x 16" x 6" 26 Gauge, Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral	484.00	107.25
For 24 Gauge, Add	11.06	
For 22 Gauge, Add	25.43	
For 20 Gauge, Add	41.46	
For 18 Gauge, Add	63.57	
For 16 Gauge, Add	77.39	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	40.91	
For Work In Restricted Working Space, Add	128.62	
23 31 13 16-0115 EA 18" x 18" x 6" 26 Gauge, Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral	537.63	119.01
For 24 Gauge, Add	12.39	
For 22 Gauge, Add	28.50	
For 20 Gauge, Add	46.46	
For 18 Gauge, Add	71.24	
For 16 Gauge, Add	86.73	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	45.84	
For Work In Restricted Working Space, Add	142.70	
23 31 13 16-0116 EA 20" x 20" x 6" 26 Gauge, Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral	611.23	135.44
For 24 Gauge, Add	14.10	
For 22 Gauge, Add	32.43	
For 20 Gauge, Add	52.88	
For 18 Gauge, Add	81.09	
For 16 Gauge, Add	98.71	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	52.18	
For Work In Restricted Working Space, Add	162.22	
23 31 13 16-0117 EA 22" x 22" x 6" 26 Gauge, Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral	655.82	144.45
For 24 Gauge, Add	15.72	
For 22 Gauge, Add	36.15	
For 20 Gauge, Add	58.94	
For 18 Gauge, Add	90.38	
For 16 Gauge, Add	110.03	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	58.16	
For Work In Restricted Working Space, Add	173.17	
23 31 13 16-0118 EA 24" x 24" x 6" 26 Gauge, Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral	711.52	156.64
For 24 Gauge, Add	17.03	
For 22 Gauge, Add	39.17	
For 20 Gauge, Add	63.87	
For 18 Gauge, Add	97.93	
For 16 Gauge, Add	119.22	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	63.02	
For Work In Restricted Working Space, Add	187.91	
23 31 13 16-0119 EA 10" x 10" x 8" 26 Gauge, Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral	288.77	63.58
For 24 Gauge, Add	6.95	
For 22 Gauge, Add	15.99	
For 20 Gauge, Add	26.06	
For 18 Gauge, Add	39.96	
For 16 Gauge, Add	48.65	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	25.72	
For Work In Restricted Working Space, Add	76.21	
23 31 13 16-0120 EA 12" x 12" x 8" 26 Gauge, Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral	350.94	77.37
For 24 Gauge, Add	8.43	
For 22 Gauge, Add	19.38	
For 20 Gauge, Add	31.61	
For 18 Gauge, Add	48.46	
For 16 Gauge, Add	59.00	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	31.18	
For Work In Restricted Working Space, Add	92.64	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 31 HVAC Ducts And Casings**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0121 EA 14" x 14" x 8" 26 Gauge, Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral	417.70	91.67
For 24 Gauge, Add	10.04	
For 22 Gauge, Add	23.10	
For 20 Gauge, Add	37.67	
For 18 Gauge, Add	57.75	
For 16 Gauge, Add	70.31	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	37.16	
For Work In Restricted Working Space, Add	110.24	
23 31 13 16-0122 EA 16" x 16" x 8" 26 Gauge, Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral	484.85	106.83
For 24 Gauge, Add	11.64	
For 22 Gauge, Add	26.77	
For 20 Gauge, Add	43.65	
For 18 Gauge, Add	66.93	
For 16 Gauge, Add	81.48	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	43.07	
For Work In Restricted Working Space, Add	128.00	
23 31 13 16-0123 EA 18" x 18" x 8" 26 Gauge, Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral	542.60	119.44
For 24 Gauge, Add	13.04	
For 22 Gauge, Add	30.00	
For 20 Gauge, Add	48.91	
For 18 Gauge, Add	74.99	
For 16 Gauge, Add	91.29	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	48.26	
For Work In Restricted Working Space, Add	143.22	
23 31 13 16-0124 EA 20" x 20" x 8" 26 Gauge, Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral	617.14	135.86
For 24 Gauge, Add	14.84	
For 22 Gauge, Add	34.14	
For 20 Gauge, Add	55.66	
For 18 Gauge, Add	85.34	
For 16 Gauge, Add	103.89	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	54.92	
For Work In Restricted Working Space, Add	162.88	
23 31 13 16-0125 EA 22" x 22" x 8" 26 Gauge, Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral	689.02	151.56
For 24 Gauge, Add	16.55	
For 22 Gauge, Add	38.06	
For 20 Gauge, Add	62.05	
For 18 Gauge, Add	95.14	
For 16 Gauge, Add	115.82	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	61.22	
For Work In Restricted Working Space, Add	181.89	
23 31 13 16-0126 EA 24" x 24" x 8" 26 Gauge, Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral	747.08	164.48
For 24 Gauge, Add	17.93	
For 22 Gauge, Add	41.23	
For 20 Gauge, Add	67.23	
For 18 Gauge, Add	103.09	
For 16 Gauge, Add	125.50	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	66.33	
For Work In Restricted Working Space, Add	197.23	
23 31 13 16-0127 26 Gauge, Slip Joint, Galvanized, Spiral Duct Reducers (23 31 13 16-0062)		
23 31 13 16-0128 EA 6" x 4" 26 Gauge, Slip Joint, Galvanized, Spiral Duct Reducer	95.46	21.19
For 24 Gauge, Add	2.13	
For 22 Gauge, Add	4.91	
For 20 Gauge, Add	8.00	
For 18 Gauge, Add	12.27	
For 16 Gauge, Add	14.94	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	7.90	
For Work In Restricted Working Space, Add	25.44	
23 31 13 16-0129 EA 8" x 6" 26 Gauge, Slip Joint, Galvanized, Spiral Duct Reducer	123.30	27.55
For 24 Gauge, Add	2.35	
For 22 Gauge, Add	5.40	
For 20 Gauge, Add	8.81	
For 18 Gauge, Add	13.50	
For 16 Gauge, Add	16.44	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	8.69	
For Work In Restricted Working Space, Add	33.47	
23 31 13 16-0130 EA 10" x 8" 26 Gauge, Slip Joint, Galvanized, Spiral Duct Reducer.....	154.30	34.97
For 24 Gauge, Add	2.60	
For 22 Gauge, Add	5.98	
For 20 Gauge, Add	9.75	
For 18 Gauge, Add	14.95	
For 16 Gauge, Add	18.20	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	9.62	
For Work In Restricted Working Space, Add	42.39	
23 31 13 16-0131 EA 12" x 10" 26 Gauge, Slip Joint, Galvanized, Spiral Duct Reducer.....	190.89	44.51
For 24 Gauge, Add	2.85	
For 22 Gauge, Add	6.56	
For 20 Gauge, Add	10.69	
For 18 Gauge, Add	16.39	
For 16 Gauge, Add	19.95	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	10.55	
For Work In Restricted Working Space, Add	52.99	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0132 EA 14" x 12" 26 Gauge, Slip Joint, Galvanized, Spiral Duct Reducer	208.56	48.75
<i>For 24 Gauge, Add</i>	3.17	
<i>For 22 Gauge, Add</i>	7.30	
<i>For 20 Gauge, Add</i>	11.90	
<i>For 18 Gauge, Add</i>	18.25	
<i>For 16 Gauge, Add</i>	22.22	
<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	11.74	
<i>For Work In Restricted Working Space, Add</i>	57.81	
23 31 13 16-0133 EA 16" x 14" 26 Gauge, Slip Joint, Galvanized, Spiral Duct Reducer	255.35	57.23
<i>For 24 Gauge, Add</i>	5.49	
<i>For 22 Gauge, Add</i>	12.62	
<i>For 20 Gauge, Add</i>	20.57	
<i>For 18 Gauge, Add</i>	31.54	
<i>For 16 Gauge, Add</i>	38.40	
<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	20.30	
<i>For Work In Restricted Working Space, Add</i>	68.38	
23 31 13 16-0134 EA 18" x 16" 26 Gauge, Slip Joint, Galvanized, Spiral Duct Reducer	311.92	71.00
<i>For 24 Gauge, Add</i>	5.86	
<i>For 22 Gauge, Add</i>	13.48	
<i>For 20 Gauge, Add</i>	21.98	
<i>For 18 Gauge, Add</i>	33.71	
<i>For 16 Gauge, Add</i>	41.03	
<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	21.69	
<i>For Work In Restricted Working Space, Add</i>	84.78	
23 31 13 16-0135 EA 20" x 18" 26 Gauge, Slip Joint, Galvanized, Spiral Duct Reducer	373.16	85.84
<i>For 24 Gauge, Add</i>	6.26	
<i>For 22 Gauge, Add</i>	14.39	
<i>For 20 Gauge, Add</i>	23.46	
<i>For 18 Gauge, Add</i>	35.97	
<i>For 16 Gauge, Add</i>	43.79	
<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	23.15	
<i>For Work In Restricted Working Space, Add</i>	102.56	
23 31 13 16-0136 EA 22" x 20" 26 Gauge, Slip Joint, Galvanized, Spiral Duct Reducer	433.18	99.62
<i>For 24 Gauge, Add</i>	6.65	
<i>For 22 Gauge, Add</i>	15.30	
<i>For 20 Gauge, Add</i>	24.94	
<i>For 18 Gauge, Add</i>	38.24	
<i>For 16 Gauge, Add</i>	46.55	
<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	24.61	
<i>For Work In Restricted Working Space, Add</i>	119.98	
23 31 13 16-0137 EA 24" x 22" 26 Gauge, Slip Joint, Galvanized, Spiral Duct Reducer	486.03	113.40
<i>For 24 Gauge, Add</i>	7.01	
<i>For 22 Gauge, Add</i>	16.12	
<i>For 20 Gauge, Add</i>	26.29	
<i>For 18 Gauge, Add</i>	40.31	
<i>For 16 Gauge, Add</i>	49.07	
<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	25.94	
<i>For Work In Restricted Working Space, Add</i>	135.29	
23 31 13 16-0138 26 Gauge, Slip Joint, Galvanized, Spiral Duct Couplings (23 31 13 16-0062)		
23 31 13 16-0139 EA 4" 26 Gauge, Slip Joint, Galvanized, Spiral Duct Coupling.....	62.34	14.84
<i>For 24 Gauge, Add</i>	1.01	
<i>For 22 Gauge, Add</i>	2.32	
<i>For 20 Gauge, Add</i>	3.79	
<i>For 18 Gauge, Add</i>	5.81	
<i>For 16 Gauge, Add</i>	7.07	
<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	3.74	
<i>For Work In Restricted Working Space, Add</i>	17.19	
23 31 13 16-0140 EA 6" 26 Gauge, Slip Joint, Galvanized, Spiral Duct Coupling.....	90.53	21.19
<i>For 24 Gauge, Add</i>	1.15	
<i>For 22 Gauge, Add</i>	2.64	
<i>For 20 Gauge, Add</i>	4.31	
<i>For 18 Gauge, Add</i>	6.60	
<i>For 16 Gauge, Add</i>	8.04	
<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	4.25	
<i>For Work In Restricted Working Space, Add</i>	25.44	
23 31 13 16-0141 EA 8" 26 Gauge, Slip Joint, Galvanized, Spiral Duct Coupling.....	117.74	27.55
<i>For 24 Gauge, Add</i>	1.24	
<i>For 22 Gauge, Add</i>	2.84	
<i>For 20 Gauge, Add</i>	4.64	
<i>For 18 Gauge, Add</i>	7.11	
<i>For 16 Gauge, Add</i>	8.65	
<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	4.57	
<i>For Work In Restricted Working Space, Add</i>	33.47	
23 31 13 16-0142 EA 10" 26 Gauge, Slip Joint, Galvanized, Spiral Duct Coupling.....	147.93	34.97
<i>For 24 Gauge, Add</i>	1.33	
<i>For 22 Gauge, Add</i>	3.05	
<i>For 20 Gauge, Add</i>	4.97	
<i>For 18 Gauge, Add</i>	7.62	
<i>For 16 Gauge, Add</i>	9.28	
<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	4.91	
<i>For Work In Restricted Working Space, Add</i>	42.39	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 31 HVAC Ducts And Casings**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0143 EA 12" 26 Gauge, Slip Joint, Galvanized, Spiral Duct Coupling.....	183.72	44.51
For 24 Gauge, Add	1.42	
For 22 Gauge, Add	3.26	
For 20 Gauge, Add	5.31	
For 18 Gauge, Add	8.14	
For 16 Gauge, Add	9.91	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	5.24	
For Work In Restricted Working Space, Add	52.99	
23 31 13 16-0144 EA 14" 26 Gauge, Slip Joint, Galvanized, Spiral Duct Coupling.....	200.22	48.75
For 24 Gauge, Add	1.51	
For 22 Gauge, Add	3.46	
For 20 Gauge, Add	5.65	
For 18 Gauge, Add	8.66	
For 16 Gauge, Add	10.54	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	5.57	
For Work In Restricted Working Space, Add	57.81	
23 31 13 16-0145 EA 16" 26 Gauge, Slip Joint, Galvanized, Spiral Duct Coupling.....	236.26	57.23
For 24 Gauge, Add	1.67	
For 22 Gauge, Add	3.84	
For 20 Gauge, Add	6.26	
For 18 Gauge, Add	9.59	
For 16 Gauge, Add	11.68	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	6.17	
For Work In Restricted Working Space, Add	68.38	
23 31 13 16-0146 EA 18" 26 Gauge, Slip Joint, Galvanized, Spiral Duct Coupling.....	291.39	71.00
For 24 Gauge, Add	1.76	
For 22 Gauge, Add	4.04	
For 20 Gauge, Add	6.59	
For 18 Gauge, Add	10.10	
For 16 Gauge, Add	12.29	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	6.50	
For Work In Restricted Working Space, Add	84.78	
23 31 13 16-0147 EA 20" 26 Gauge, Slip Joint, Galvanized, Spiral Duct Coupling.....	351.20	85.84
For 24 Gauge, Add	1.86	
For 22 Gauge, Add	4.29	
For 20 Gauge, Add	6.99	
For 18 Gauge, Add	10.72	
For 16 Gauge, Add	13.05	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	6.90	
For Work In Restricted Working Space, Add	102.56	
23 31 13 16-0148 EA 22" 26 Gauge, Slip Joint, Galvanized, Spiral Duct Coupling.....	409.61	200.30
For 24 Gauge, Add	1.94	
For 22 Gauge, Add	4.45	
For 20 Gauge, Add	7.26	
For 18 Gauge, Add	11.13	
For 16 Gauge, Add	13.55	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	7.16	
For Work In Restricted Working Space, Add	119.98	
23 31 13 16-0149 EA 24" 26 Gauge, Slip Joint, Galvanized, Spiral Duct Coupling.....	461.20	225.74
For 24 Gauge, Add	2.04	
For 22 Gauge, Add	4.70	
For 20 Gauge, Add	7.67	
For 18 Gauge, Add	11.75	
For 16 Gauge, Add	14.31	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	7.56	
For Work In Restricted Working Space, Add	135.29	
23 31 13 16-0150 26 Gauge, Slip Joint, Galvanized, Spiral Duct Caps (23 31 13 16-0062)		
23 31 13 16-0151 EA 4" 26 Gauge, Slip Joint, Galvanized, Spiral Duct Cap.....	34.56	14.84
For 24 Gauge, Add	1.18	
For 22 Gauge, Add	2.72	
For 20 Gauge, Add	4.44	
For 18 Gauge, Add	6.81	
For 16 Gauge, Add	8.29	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	4.38	
For Work In Restricted Working Space, Add	8.59	
23 31 13 16-0152 EA 6" 26 Gauge, Slip Joint, Galvanized, Spiral Duct Cap.....	49.02	21.19
For 24 Gauge, Add	1.33	
For 22 Gauge, Add	3.05	
For 20 Gauge, Add	4.97	
For 18 Gauge, Add	7.62	
For 16 Gauge, Add	9.28	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	4.91	
For Work In Restricted Working Space, Add	12.72	
23 31 13 16-0153 EA 8" 26 Gauge, Slip Joint, Galvanized, Spiral Duct Cap.....	63.04	28.61
For 24 Gauge, Add	1.45	
For 22 Gauge, Add	3.34	
For 20 Gauge, Add	5.45	
For 18 Gauge, Add	8.35	
For 16 Gauge, Add	10.16	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	5.37	
For Work In Restricted Working Space, Add	16.73	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0154 EA 10" 26 Gauge, Slip Joint, Galvanized, Spiral Duct Cap	78.72	36.03
For 24 Gauge, Add	1.61	
For 22 Gauge, Add	3.71	
For 20 Gauge, Add	6.05	
For 18 Gauge, Add	9.28	
For 16 Gauge, Add	11.30	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	5.97	
For Work In Restricted Working Space, Add	21.20	
23 31 13 16-0155 EA 12" 26 Gauge, Slip Joint, Galvanized, Spiral Duct Cap	97.27	44.51
For 24 Gauge, Add	1.79	
For 22 Gauge, Add	4.12	
For 20 Gauge, Add	6.72	
For 18 Gauge, Add	10.30	
For 16 Gauge, Add	12.54	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	6.63	
For Work In Restricted Working Space, Add	26.49	
23 31 13 16-0156 EA 14" 26 Gauge, Slip Joint, Galvanized, Spiral Duct Cap	106.21	48.75
For 24 Gauge, Add	1.97	
For 22 Gauge, Add	4.54	
For 20 Gauge, Add	7.40	
For 18 Gauge, Add	11.34	
For 16 Gauge, Add	13.80	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	7.30	
For Work In Restricted Working Space, Add	28.91	
23 31 13 16-0157 EA 16" 26 Gauge, Slip Joint, Galvanized, Spiral Duct Cap	122.94	56.16
For 24 Gauge, Add	2.28	
For 22 Gauge, Add	5.23	
For 20 Gauge, Add	8.54	
For 18 Gauge, Add	13.09	
For 16 Gauge, Add	15.93	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	8.42	
For Work In Restricted Working Space, Add	33.47	
23 31 13 16-0158 EA 18" 26 Gauge, Slip Joint, Galvanized, Spiral Duct Cap	179.66	71.00
For 24 Gauge, Add	7.67	
For 22 Gauge, Add	17.65	
For 20 Gauge, Add	28.77	
For 18 Gauge, Add	44.11	
For 16 Gauge, Add	53.70	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	28.39	
For Work In Restricted Working Space, Add	42.39	
23 31 13 16-0159 EA 20" 26 Gauge, Slip Joint, Galvanized, Spiral Duct Cap	218.23	87.96
For 24 Gauge, Add	8.32	
For 22 Gauge, Add	19.13	
For 20 Gauge, Add	31.19	
For 18 Gauge, Add	47.83	
For 16 Gauge, Add	58.23	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	30.78	
For Work In Restricted Working Space, Add	52.99	
23 31 13 16-0160 EA 22" 26 Gauge, Slip Joint, Galvanized, Spiral Duct Cap	237.51	96.45
For 24 Gauge, Add	8.96	
For 22 Gauge, Add	20.62	
For 20 Gauge, Add	33.62	
For 18 Gauge, Add	51.54	
For 16 Gauge, Add	62.75	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	33.17	
For Work In Restricted Working Space, Add	57.81	
23 31 13 16-0161 EA 24" 26 Gauge, Slip Joint, Galvanized, Spiral Duct Cap	273.62	112.34
For 24 Gauge, Add	9.63	
For 22 Gauge, Add	22.14	
For 20 Gauge, Add	36.10	
For 18 Gauge, Add	55.35	
For 16 Gauge, Add	67.38	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	35.62	
For Work In Restricted Working Space, Add	67.65	
23 31 13 19 Metal Duct Fittings (23 31 13)		
23 31 13 19-0001 Sheet Metal Baffles (23 31 13 19)		
23 31 13 19-0002 LF Sheet Metal Baffles Under Raised Floor	38.60	30.86
For Work In Restricted Working Space, Add	11.28	
23 31 13 23 Galvanized Steel Welded Duct (23 31 13)		
Note: All field fabricated duct is assembled from flat duct sheets on site to fit to exact field conditions. Ductwork which is fabricated off site or snap-fitting duct is considered as shop fabricated.		
23 31 13 23-0001 Welded Steel Ductwork (23 31 13 23)		
Note: Ductwork poundage includes all fittings, transitions, collars, straps, support straps, etc.		
23 31 13 23-0002 Galvanized Steel Welded Duct, For Kitchen (23 31 13 23-0001)		
Note: Also includes special exhaust systems and waste.		
23 31 13 23-0003 LB Galvanized Steel Welded Duct	22.83	9.36
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	3.02	
For Work In Restricted Working Space, Add	5.63	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 31 HVAC Ducts And Casings**

MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
23 31 13 23-0004		Black Steel Ductwork <small>(23 31 13 23-0001)</small>		
23 31 13 23-0005	LB	Black Steel Ductwork.....	20.21	9.64
		<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	0.68	
		<i>For Work In Restricted Working Space, Add</i>	5.79	
23 31 13 33		Duct Boots <small>(23 31 13)</small>		
23 31 13 33-0001		Duct Register Boots <small>(23 31 13 33)</small>		
23 31 13 33-0002	EA	10" x 2-1/4" x 5" Register Boot, 90 Degree, Galvanized Steel.....	38.38	14.39
		<i>For Stainless Steel, Add</i>	12.49	
23 31 13 33-0003	EA	10" x 2-1/4" x 6" Register Boot, 90 Degree, Galvanized Steel.....	38.38	14.39
		<i>For Stainless Steel, Add</i>	12.49	
23 31 13 33-0004	EA	12" x 2-1/4" x 5" Register Boot, 90 Degree, Galvanized Steel.....	40.91	15.54
		<i>For Stainless Steel, Add</i>	12.78	
23 31 13 33-0005	EA	12" x 2-1/4" x 6" Register Boot, 90 Degree, Galvanized Steel.....	40.91	15.54
		<i>For Stainless Steel, Add</i>	12.78	
23 31 13 33-0006	EA	12" x 2-1/4" x 7" Register Boot, 90 Degree, Galvanized Steel.....	43.28	15.54
		<i>For Stainless Steel, Add</i>	15.86	
23 31 13 33-0007	EA	14" x 2-1/4" x 5" Register Boot, 90 Degree, Galvanized Steel.....	44.39	16.69
		<i>For Stainless Steel, Add</i>	14.30	
23 31 13 33-0008	EA	14" x 2-1/4" x 6" Register Boot, 90 Degree, Galvanized Steel.....	44.39	16.69
		<i>For Stainless Steel, Add</i>	14.30	
23 31 13 33-0009	EA	14" x 2-1/4" x 7" Register Boot, 90 Degree, Galvanized Steel.....	45.86	16.69
		<i>For Stainless Steel, Add</i>	16.21	
23 31 13 33-0010	EA	10" x 4" x 6" Register Boot, 90 Degree, Galvanized Steel.....	44.34	17.84
		<i>For Stainless Steel, Add</i>	11.25	
23 31 13 33-0011	EA	12" x 4" x 6" Register Boot, 90 Degree, Galvanized Steel.....	46.90	18.99
		<i>For Stainless Steel, Add</i>	11.58	
23 31 13 33-0012	EA	12" x 4" x 7" Register Boot, 90 Degree, Galvanized Steel.....	52.94	18.99
		<i>For Stainless Steel, Add</i>	19.44	
23 31 13 33-0013	EA	14" x 4" x 6" Register Boot, 90 Degree, Galvanized Steel.....	49.73	20.14
		<i>For Stainless Steel, Add</i>	12.27	
23 31 13 33-0014	EA	14" x 4" x 7" Register Boot, 90 Degree, Galvanized Steel.....	55.65	20.14
		<i>For Stainless Steel, Add</i>	19.97	
23 31 13 33-0015	EA	12" x 2-1/4" x 5" Register Boot, Center, Galvanized Steel.....	39.47	15.54
		<i>For Stainless Steel, Add</i>	10.91	
23 31 13 33-0016	EA	12" x 2-1/4" x 6" Register Boot, Center, Galvanized Steel.....	39.47	15.54
		<i>For Stainless Steel, Add</i>	10.91	
23 31 13 33-0017	EA	14" x 2-1/4" x 6" Register Boot, Center, Galvanized Steel.....	42.75	16.69
		<i>For Stainless Steel, Add</i>	12.17	
23 31 13 33-0018	EA	14" x 2-1/4" x 7" Register Boot, Center, Galvanized Steel.....	44.16	16.69
		<i>For Stainless Steel, Add</i>	14.00	
23 31 13 33-0019	EA	10" x 4" x 6" Register Boot, Center, Galvanized Steel.....	44.53	17.84
		<i>For Stainless Steel, Add</i>	11.49	
23 31 13 33-0020	EA	12" x 4" x 6" Register Boot, Center, Galvanized Steel.....	47.07	18.99
		<i>For Stainless Steel, Add</i>	11.80	
23 31 13 33-0021	EA	12" x 2-1/4" x 6" Register Boot, End, Galvanized Steel.....	40.44	15.54
		<i>For Stainless Steel, Add</i>	12.17	
23 31 13 33-0022	EA	14" x 2-1/4" x 6" Register Boot, End, Galvanized Steel.....	43.32	16.69
		<i>For Stainless Steel, Add</i>	12.91	
23 31 13 33-0023	EA	10" x 2-1/4" x 6" Register Boot, Universal, Galvanized Steel.....	38.38	14.39
		<i>For Stainless Steel, Add</i>	12.49	
23 31 13 33-0024	EA	12" x 2-1/4" x 6" Register Boot, Universal, Galvanized Steel.....	40.91	15.54
		<i>For Stainless Steel, Add</i>	12.78	
23 31 13 33-0025	EA	14" x 2-1/4" x 5" Register Boot, Universal, Galvanized Steel.....	44.39	16.69
		<i>For Stainless Steel, Add</i>	14.30	
23 31 13 33-0026	EA	14" x 2-1/4" x 6" Register Boot, Universal, Galvanized Steel.....	44.39	16.69
		<i>For Stainless Steel, Add</i>	14.30	
23 31 13 33-0027	EA	10" x 4" x 6" Register Boot, Universal, Galvanized Steel.....	44.34	17.84
		<i>For Stainless Steel, Add</i>	11.25	
23 31 13 33-0028	EA	12" x 4" x 6" Register Boot, Universal, Galvanized Steel.....	46.90	18.99
		<i>For Stainless Steel, Add</i>	11.58	
23 31 13 33-0029	EA	12" x 4" x 7" Register Boot, Universal, Galvanized Steel.....	52.94	18.99
		<i>For Stainless Steel, Add</i>	19.44	
23 31 13 33-0030	EA	14" x 4" x 7" Register Boot, Universal, Galvanized Steel.....	55.24	20.14
		<i>For Stainless Steel, Add</i>	19.44	
23 31 16		Nonmetal Ducts <small>(23 31)</small>		
23 31 16 13		Fibrous-Glass Ducts <small>(23 31 16)</small>		
23 31 16 13-0001		Glass Fiber Duct Board <small>(23 31 16 13)</small>		
		Note: Rigid, rectangular boards faced on one side with a fire-resistant foil-scrim-kraft (FSK) vapor retarder and a lightweight fiber glass mat on the airstream surface.		
23 31 16 13-0002	SF	1" Glass Fiber Duct Board (EI-475).....	8.87	1.93
23 31 16 13-0003	SF	1-1/2" Glass Fiber Duct Board (EI-800).....	10.20	2.12
23 31 16 13-0004	SF	2" Glass Fiber Duct Board (EI-800).....	11.64	2.33
23 31 16 16		Thermoset Fiberglass-Reinforced Plastic Ducts <small>(23 31 16)</small>		
23 31 16 16-0001		Round Fiber Reinforced Plastic Duct <small>(23 31 16 16)</small>		



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 16 16-0002				Round Fiber Reinforced Plastic Duct <small>(23 31 16 16-0001)</small>		
			LF	2" Fiber Reinforced Plastic Duct.....	14.87	5.44
			LF	3" Fiber Reinforced Plastic Duct.....	18.45	6.36
			LF	4" Fiber Reinforced Plastic Duct.....	25.32	9.33
			LF	6" Fiber Reinforced Plastic Duct.....	33.31	11.79
			LF	8" Fiber Reinforced Plastic Duct.....	42.13	14.77
			LF	10" Fiber Reinforced Plastic Duct.....	50.77	17.74
			LF	12" Fiber Reinforced Plastic Duct.....	57.46	20.72
			LF	14" Fiber Reinforced Plastic Duct.....	65.16	22.67
			LF	16" Fiber Reinforced Plastic Duct.....	70.28	24.11
			LF	18" Fiber Reinforced Plastic Duct.....	86.17	27.07
			LF	20" Fiber Reinforced Plastic Duct.....	90.87	29.02
			LF	24" Fiber Reinforced Plastic Duct.....	110.07	30.97
			LF	30" Fiber Reinforced Plastic Duct.....	126.24	35.90
			LF	36" Fiber Reinforced Plastic Duct.....	146.51	43.28
			LF	42" Fiber Reinforced Plastic Duct.....	191.86	48.20
			LF	48" Fiber Reinforced Plastic Duct.....	214.99	54.16
			LF	54" Fiber Reinforced Plastic Duct.....	239.61	62.05
			LF	60" Fiber Reinforced Plastic Duct.....	272.77	72.41
			LF	66" Fiber Reinforced Plastic Duct.....	297.19	88.62
			LF	72" Fiber Reinforced Plastic Duct.....	362.72	108.31
23 31 16 16-0023				Fiber Reinforced Plastic Bell <small>(23 31 16 16-0001)</small>		
			EA	2" Fiber Reinforced Plastic Bell.....	62.97	22.05
			EA	3" Fiber Reinforced Plastic Bell.....	75.90	26.16
			EA	4" Fiber Reinforced Plastic Bell.....	87.48	30.77
			EA	6" Fiber Reinforced Plastic Bell.....	115.07	41.03
			EA	8" Fiber Reinforced Plastic Bell.....	140.30	51.28
			EA	10" Fiber Reinforced Plastic Bell.....	163.18	61.53
			EA	12" Fiber Reinforced Plastic Bell.....	202.36	76.41
			EA	14" Fiber Reinforced Plastic Bell.....	216.29	82.05
			EA	16" Fiber Reinforced Plastic Bell.....	234.35	87.69
			EA	18" Fiber Reinforced Plastic Bell.....	252.40	94.36
			EA	20" Fiber Reinforced Plastic Bell.....	275.89	102.56
			EA	24" Fiber Reinforced Plastic Bell.....	319.99	112.81
			EA	30" Fiber Reinforced Plastic Bell.....	371.16	123.08
			EA	36" Fiber Reinforced Plastic Bell.....	420.82	138.46
			EA	42" Fiber Reinforced Plastic Bell.....	470.46	153.84
			EA	48" Fiber Reinforced Plastic Bell.....	520.08	169.23
			EA	54" Fiber Reinforced Plastic Bell.....	646.14	205.12
			EA	60" Fiber Reinforced Plastic Bell.....	772.29	256.41
			EA	66" Fiber Reinforced Plastic Bell.....	926.69	307.69
			EA	72" Fiber Reinforced Plastic Bell.....	1,060.78	348.71
23 31 16 16-0044				Fiber Reinforced Plastic Flange <small>(23 31 16 16-0001)</small>		
			EA	2" Fiber Reinforced Plastic Flange.....	100.71	22.05
			EA	3" Fiber Reinforced Plastic Flange.....	116.00	26.16
			EA	4" Fiber Reinforced Plastic Flange.....	132.30	30.77
			EA	6" Fiber Reinforced Plastic Flange.....	171.69	41.03
			EA	8" Fiber Reinforced Plastic Flange.....	208.71	51.28
			EA	10" Fiber Reinforced Plastic Flange.....	245.74	61.53
			EA	12" Fiber Reinforced Plastic Flange.....	289.64	76.41
			EA	14" Fiber Reinforced Plastic Flange.....	322.45	82.05
			EA	16" Fiber Reinforced Plastic Flange.....	352.30	87.69
			EA	18" Fiber Reinforced Plastic Flange.....	375.06	94.36
			EA	20" Fiber Reinforced Plastic Flange.....	393.83	102.56
			EA	24" Fiber Reinforced Plastic Flange.....	461.52	112.81
			EA	30" Fiber Reinforced Plastic Flange.....	507.98	123.08
			EA	36" Fiber Reinforced Plastic Flange.....	626.05	138.46
			EA	42" Fiber Reinforced Plastic Flange.....	696.92	153.84
			EA	48" Fiber Reinforced Plastic Flange.....	791.35	169.23
			EA	54" Fiber Reinforced Plastic Flange.....	929.21	205.12
			EA	60" Fiber Reinforced Plastic Flange.....	1,109.61	256.41
			EA	66" Fiber Reinforced Plastic Flange.....	1,289.97	307.69
			EA	72" Fiber Reinforced Plastic Flange.....	1,475.95	348.71
23 31 16 16-0065				Fiber Reinforced Plastic 90 Degree Elbow <small>(23 31 16 16-0001)</small>		
			EA	2" Fiber Reinforced Plastic 90 Degree Elbow.....	166.46	53.13
			EA	3" Fiber Reinforced Plastic 90 Degree Elbow.....	195.49	63.48
			EA	4" Fiber Reinforced Plastic 90 Degree Elbow.....	226.86	73.85
			EA	6" Fiber Reinforced Plastic 90 Degree Elbow.....	293.84	98.46
			EA	8" Fiber Reinforced Plastic 90 Degree Elbow.....	360.81	123.08
			EA	10" Fiber Reinforced Plastic 90 Degree Elbow.....	427.81	147.69
			EA	12" Fiber Reinforced Plastic 90 Degree Elbow.....	525.46	183.69
			EA	14" Fiber Reinforced Plastic 90 Degree Elbow.....	595.39	194.45
			EA	16" Fiber Reinforced Plastic 90 Degree Elbow.....	677.54	211.17
			EA	18" Fiber Reinforced Plastic 90 Degree Elbow.....	806.78	226.45

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 31 HVAC Ducts And Casings**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 16 16-0076 EA 20" Fiber Reinforced Plastic 90 Degree Elbow	929.27	246.15
23 31 16 16-0077 EA 24" Fiber Reinforced Plastic 90 Degree Elbow	1,076.45	270.77
23 31 16 16-0078 EA 30" Fiber Reinforced Plastic 90 Degree Elbow	1,447.68	295.38
23 31 16 16-0079 EA 36" Fiber Reinforced Plastic 90 Degree Elbow	1,851.31	332.30
23 31 16 16-0080 EA 42" Fiber Reinforced Plastic 90 Degree Elbow	2,431.82	369.33
23 31 16 16-0081 EA 48" Fiber Reinforced Plastic 90 Degree Elbow	2,882.64	406.25
23 31 16 16-0082 EA 54" Fiber Reinforced Plastic 90 Degree Elbow	3,415.29	492.30
23 31 16 16-0083 EA 60" Fiber Reinforced Plastic 90 Degree Elbow	4,139.37	615.37
23 31 16 16-0084 EA 66" Fiber Reinforced Plastic 90 Degree Elbow	4,863.06	738.24
23 31 16 16-0085 EA 72" Fiber Reinforced Plastic 90 Degree Elbow	5,545.93	836.60
23 31 16 16-0086 Fiber Reinforced Plastic 45 Degree Elbow (23 31 16 16-0001)		
23 31 16 16-0087 EA 2" Fiber Reinforced Plastic 45 Degree Elbow	140.51	53.13
23 31 16 16-0088 EA 3" Fiber Reinforced Plastic 45 Degree Elbow	164.82	63.48
23 31 16 16-0089 EA 4" Fiber Reinforced Plastic 45 Degree Elbow	191.46	73.85
23 31 16 16-0090 EA 6" Fiber Reinforced Plastic 45 Degree Elbow	241.94	98.46
23 31 16 16-0091 EA 8" Fiber Reinforced Plastic 45 Degree Elbow	292.40	123.08
23 31 16 16-0092 EA 10" Fiber Reinforced Plastic 45 Degree Elbow	347.67	147.69
23 31 16 16-0093 EA 12" Fiber Reinforced Plastic 45 Degree Elbow	428.81	183.69
23 31 16 16-0094 EA 14" Fiber Reinforced Plastic 45 Degree Elbow	465.56	194.45
23 31 16 16-0095 EA 16" Fiber Reinforced Plastic 45 Degree Elbow	554.69	211.07
23 31 16 16-0096 EA 18" Fiber Reinforced Plastic 45 Degree Elbow	637.21	226.66
23 31 16 16-0097 EA 20" Fiber Reinforced Plastic 45 Degree Elbow	735.78	246.15
23 31 16 16-0098 EA 24" Fiber Reinforced Plastic 45 Degree Elbow	847.17	270.56
23 31 16 16-0099 EA 30" Fiber Reinforced Plastic 45 Degree Elbow	1,069.88	295.18
23 31 16 16-0100 EA 36" Fiber Reinforced Plastic 45 Degree Elbow	1,306.88	332.61
23 31 16 16-0101 EA 42" Fiber Reinforced Plastic 45 Degree Elbow	1,660.90	369.54
23 31 16 16-0102 EA 48" Fiber Reinforced Plastic 45 Degree Elbow	1,950.88	406.25
23 31 16 16-0103 EA 54" Fiber Reinforced Plastic 45 Degree Elbow	2,325.48	492.30
23 31 16 16-0104 EA 60" Fiber Reinforced Plastic 45 Degree Elbow	2,790.08	615.37
23 31 16 16-0105 EA 66" Fiber Reinforced Plastic 45 Degree Elbow	3,280.24	736.81
23 31 16 16-0106 EA 72" Fiber Reinforced Plastic 45 Degree Elbow	3,707.50	837.42
23 31 16 16-0107 Fiber Reinforced Plastic Tee (23 31 16 16-0001)		
23 31 16 16-0108 EA 2" Fiber Reinforced Plastic Tee	214.66	79.28
23 31 16 16-0109 EA 3" Fiber Reinforced Plastic Tee	253.53	95.48
23 31 16 16-0110 EA 4" Fiber Reinforced Plastic Tee	290.76	110.76
23 31 16 16-0111 EA 6" Fiber Reinforced Plastic Tee	375.91	147.69
23 31 16 16-0112 EA 8" Fiber Reinforced Plastic Tee	459.41	183.69
23 31 16 16-0113 EA 10" Fiber Reinforced Plastic Tee	547.77	222.56
23 31 16 16-0114 EA 12" Fiber Reinforced Plastic Tee	661.90	269.74
23 31 16 16-0115 EA 14" Fiber Reinforced Plastic Tee	722.43	291.89
23 31 16 16-0116 EA 16" Fiber Reinforced Plastic Tee	835.11	317.12
23 31 16 16-0117 EA 18" Fiber Reinforced Plastic Tee	943.56	339.69
23 31 16 16-0118 EA 20" Fiber Reinforced Plastic Tee	1,087.25	369.33
23 31 16 16-0119 EA 24" Fiber Reinforced Plastic Tee	1,243.21	406.25
23 31 16 16-0120 EA 30" Fiber Reinforced Plastic Tee	1,481.33	442.96
23 31 16 16-0121 EA 36" Fiber Reinforced Plastic Tee	1,774.70	498.66
23 31 16 16-0122 EA 42" Fiber Reinforced Plastic Tee	2,338.66	554.04
23 31 16 16-0123 EA 48" Fiber Reinforced Plastic Tee	2,785.05	609.53
23 31 16 16-0124 EA 54" Fiber Reinforced Plastic Tee	3,354.55	738.96
23 31 16 16-0125 EA 60" Fiber Reinforced Plastic Tee	4,015.89	923.48
23 31 16 16-0126 EA 66" Fiber Reinforced Plastic Tee	4,676.66	1,107.58
23 31 16 16-0127 EA 72" Fiber Reinforced Plastic Tee	5,277.63	1,255.88
23 31 16 16-0128 Fiber Reinforced Plastic Lateral Joint (23 31 16 16-0001)		
23 31 16 16-0129 EA 2" Fiber Reinforced Plastic Lateral Joint	179.27	79.28
23 31 16 16-0130 EA 3" Fiber Reinforced Plastic Lateral Joint	211.04	95.48
23 31 16 16-0131 EA 4" Fiber Reinforced Plastic Lateral Joint	241.24	110.76
23 31 16 16-0132 EA 6" Fiber Reinforced Plastic Lateral Joint	307.57	147.69
23 31 16 16-0133 EA 8" Fiber Reinforced Plastic Lateral Joint	372.20	183.69
23 31 16 16-0134 EA 10" Fiber Reinforced Plastic Lateral Joint	446.38	222.56
23 31 16 16-0135 EA 12" Fiber Reinforced Plastic Lateral Joint	534.75	269.94
23 31 16 16-0136 EA 14" Fiber Reinforced Plastic Lateral Joint	580.44	291.69
23 31 16 16-0137 EA 16" Fiber Reinforced Plastic Lateral Joint	637.19	317.22
23 31 16 16-0138 EA 18" Fiber Reinforced Plastic Lateral Joint	689.31	339.99
23 31 16 16-0139 EA 20" Fiber Reinforced Plastic Lateral Joint	752.73	369.54
23 31 16 16-0140 EA 24" Fiber Reinforced Plastic Lateral Joint	832.76	406.25
23 31 16 16-0141 EA 30" Fiber Reinforced Plastic Lateral Joint	919.50	442.76
23 31 16 16-0142 EA 36" Fiber Reinforced Plastic Lateral Joint	1,038.18	498.35
23 31 16 16-0143 EA 42" Fiber Reinforced Plastic Lateral Joint	1,159.88	554.35
23 31 16 16-0144 EA 48" Fiber Reinforced Plastic Lateral Joint	1,274.95	609.32
23 31 16 16-0145 EA 54" Fiber Reinforced Plastic Lateral Joint	1,522.86	736.81
23 31 16 16-0146 EA 60" Fiber Reinforced Plastic Lateral Joint	1,860.27	925.11
23 31 16 16-0147 EA 66" Fiber Reinforced Plastic Lateral Joint	2,248.31	1,108.39
23 31 16 16-0148 EA 72" Fiber Reinforced Plastic Lateral Joint	2,517.71	1,255.88



	MINOR CSI UOM DESCRIPTION		TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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23 31 16 16-0149	Fiber Reinforced Plastic One Piece Reducer (23 31 16 16-0001)			
23 31 16 16-0150	EA 2" Fiber Reinforced Plastic One Piece Reducer	149.98	53.23	
23 31 16 16-0151	EA 3" Fiber Reinforced Plastic One Piece Reducer	176.67	63.59	
23 31 16 16-0152	EA 4" Fiber Reinforced Plastic One Piece Reducer	208.05	73.85	
23 31 16 16-0153	EA 6" Fiber Reinforced Plastic One Piece Reducer	267.89	98.46	
23 31 16 16-0154	EA 8" Fiber Reinforced Plastic One Piece Reducer	323.06	123.08	
23 31 16 16-0155	EA 10" Fiber Reinforced Plastic One Piece Reducer	388.67	148.30	
23 31 16 16-0156	EA 12" Fiber Reinforced Plastic One Piece Reducer	461.84	183.69	
23 31 16 16-0157	EA 14" Fiber Reinforced Plastic One Piece Reducer	493.87	194.45	
23 31 16 16-0158	EA 16" Fiber Reinforced Plastic One Piece Reducer	545.25	211.07	
23 31 16 16-0159	EA 18" Fiber Reinforced Plastic One Piece Reducer	599.47	226.66	
23 31 16 16-0160	EA 20" Fiber Reinforced Plastic One Piece Reducer	669.73	246.15	
23 31 16 16-0161	EA 24" Fiber Reinforced Plastic One Piece Reducer	763.19	271.07	
23 31 16 16-0162	EA 30" Fiber Reinforced Plastic One Piece Reducer	856.36	295.89	
23 31 16 16-0163	EA 36" Fiber Reinforced Plastic One Piece Reducer	969.56	332.61	
23 31 16 16-0164	EA 42" Fiber Reinforced Plastic One Piece Reducer	1,082.97	369.54	
23 31 16 16-0165	EA 48" Fiber Reinforced Plastic One Piece Reducer	1,219.62	406.25	
23 31 16 16-0166	EA 54" Fiber Reinforced Plastic One Piece Reducer	1,445.61	492.30	
23 31 16 16-0167	EA 60" Fiber Reinforced Plastic One Piece Reducer	1,726.21	615.37	
23 31 16 16-0168	EA 66" Fiber Reinforced Plastic One Piece Reducer	1,935.67	736.81	
23 31 16 16-0169	EA 72" Fiber Reinforced Plastic One Piece Reducer	2,174.22	837.42	

23 31 16 16-0170	Fiber Reinforced Plastic Two Piece Reducer (23 31 16 16-0001)			
23 31 16 16-0171	EA 2" Fiber Reinforced Plastic Two Piece Reducer	178.29	53.23	
23 31 16 16-0172	EA 3" Fiber Reinforced Plastic Two Piece Reducer	195.54	63.59	
23 31 16 16-0173	EA 4" Fiber Reinforced Plastic Two Piece Reducer	226.92	73.85	
23 31 16 16-0174	EA 6" Fiber Reinforced Plastic Two Piece Reducer	293.84	98.46	
23 31 16 16-0175	EA 8" Fiber Reinforced Plastic Two Piece Reducer	360.81	123.08	
23 31 16 16-0176	EA 10" Fiber Reinforced Plastic Two Piece Reducer	428.78	148.30	
23 31 16 16-0177	EA 12" Fiber Reinforced Plastic Two Piece Reducer	513.73	183.69	
23 31 16 16-0178	EA 14" Fiber Reinforced Plastic Two Piece Reducer	559.92	194.45	
23 31 16 16-0179	EA 16" Fiber Reinforced Plastic Two Piece Reducer	611.30	211.07	
23 31 16 16-0180	EA 18" Fiber Reinforced Plastic Two Piece Reducer	689.10	226.66	
23 31 16 16-0181	EA 20" Fiber Reinforced Plastic Two Piece Reducer	867.88	246.15	
23 31 16 16-0182	EA 24" Fiber Reinforced Plastic Two Piece Reducer	1,053.34	271.07	
23 31 16 16-0183	EA 30" Fiber Reinforced Plastic Two Piece Reducer	1,129.99	295.89	
23 31 16 16-0184	EA 36" Fiber Reinforced Plastic Two Piece Reducer	1,285.65	332.61	
23 31 16 16-0185	EA 42" Fiber Reinforced Plastic Two Piece Reducer	1,394.35	369.54	
23 31 16 16-0186	EA 48" Fiber Reinforced Plastic Two Piece Reducer	1,526.27	406.25	
23 31 16 16-0187	EA 54" Fiber Reinforced Plastic Two Piece Reducer	1,693.29	492.30	
23 31 16 16-0188	EA 60" Fiber Reinforced Plastic Two Piece Reducer	1,959.74	615.37	
23 31 16 16-0189	EA 66" Fiber Reinforced Plastic Two Piece Reducer	2,195.15	736.81	
23 31 16 16-0190	EA 72" Fiber Reinforced Plastic Two Piece Reducer	2,410.11	837.42	

23 31 16 16-0191	Fiber Reinforced Plastic Butterfly Dampers (23 31 16 16-0001)			
23 31 16 16-0192	EA 2" Fiber Reinforced Plastic Damper	312.70	53.13	
23 31 16 16-0193	EA 3" Fiber Reinforced Plastic Damper	353.53	63.48	
23 31 16 16-0194	EA 4" Fiber Reinforced Plastic Damper	394.34	73.85	
23 31 16 16-0195	EA 6" Fiber Reinforced Plastic Damper	470.76	98.46	
23 31 16 16-0196	EA 8" Fiber Reinforced Plastic Damper	558.96	123.08	
23 31 16 16-0197	EA 10" Fiber Reinforced Plastic Damper	635.39	147.69	
23 31 16 16-0198	EA 12" Fiber Reinforced Plastic Damper	730.68	183.69	
23 31 16 16-0199	EA 14" Fiber Reinforced Plastic Damper	807.69	194.45	
23 31 16 16-0200	EA 16" Fiber Reinforced Plastic Damper	894.56	211.17	
23 31 16 16-0201	EA 18" Fiber Reinforced Plastic Damper	978.98	226.45	
23 31 16 16-0202	EA 20" Fiber Reinforced Plastic Damper	1,047.21	246.15	
23 31 16 16-0203	EA 24" Fiber Reinforced Plastic Damper	1,182.60	270.77	
23 31 16 16-0204	EA 30" Fiber Reinforced Plastic Damper	1,365.12	295.38	
23 31 16 16-0205	EA 36" Fiber Reinforced Plastic Damper	1,568.24	332.30	
23 31 16 16-0206	EA 42" Fiber Reinforced Plastic Damper	1,794.92	369.33	
23 31 16 16-0207	EA 48" Fiber Reinforced Plastic Damper	1,998.05	406.25	
23 31 16 16-0208	EA 54" Fiber Reinforced Plastic Damper	2,353.78	492.30	
23 31 16 16-0209	EA 60" Fiber Reinforced Plastic Damper	2,771.21	615.37	
23 31 16 16-0210	EA 66" Fiber Reinforced Plastic Damper	3,164.65	738.24	
23 31 16 16-0211	EA 72" Fiber Reinforced Plastic Damper	3,635.23	836.60	

23 33 Air Duct Accessories (23 30)

23 33 13 Dampers (23 33)

23 33 13 13 Volume-Control Dampers (23 33 13)

23 33 13 13-0001 Radial Opposed Blade Damper Steel Construction (23 33 13 13)

23 33 13 13-0002	EA 6" Diameter Radial Opposed Blade Damper Round, Steel Construction, Manual Operated	49.64	9.21	
	<i>For Stainless Steel, Add</i>		18.08	
	<i>For Parallel Blade Damper, Add</i>		5.56	

23 Heating, Ventilating, And Air-Conditioning (HVAC)

23 30 HVAC Air Distribution

23 33 Air Duct Accessories



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 13-0003	EA		7" Diameter Radial Opposed Blade Damper Round, Steel Construction, Manual Operated	55.56	10.36
			<i>For Stainless Steel, Add</i>	18.36	
			<i>For Parallel Blade Damper, Add</i>	5.65	
23 33 13 13-0004	EA		8" Diameter Radial Opposed Blade Damper Round, Steel Construction, Manual Operated	62.45	11.51
			<i>For Stainless Steel, Add</i>	18.54	
			<i>For Parallel Blade Damper, Add</i>	5.70	
23 33 13 13-0005	EA		10" Diameter Radial Opposed Blade Damper Round, Steel Construction, Manual Operated	68.28	13.81
			<i>For Stainless Steel, Add</i>	19.71	
			<i>For Parallel Blade Damper, Add</i>	6.06	
23 33 13 13-0006	EA		12" Diameter Radial Opposed Blade Damper Round, Steel Construction, Manual Operated	75.25	14.96
			<i>For Stainless Steel, Add</i>	20.87	
			<i>For Parallel Blade Damper, Add</i>	6.42	
23 33 13 13-0007	EA		14" Diameter Radial Opposed Blade Damper Round, Steel Construction, Manual Operated	85.26	16.12
			<i>For Stainless Steel, Add</i>	26.66	
			<i>For Parallel Blade Damper, Add</i>	8.20	
23 33 13 13-0008	EA		15" Diameter Radial Opposed Blade Damper Round, Steel Construction, Manual Operated	93.74	17.27
			<i>For Stainless Steel, Add</i>	28.98	
			<i>For Parallel Blade Damper, Add</i>	8.92	
23 33 13 13-0009	EA		16" Diameter Radial Opposed Blade Damper Round, Steel Construction, Manual Operated	99.92	19.57
			<i>For Stainless Steel, Add</i>	30.13	
			<i>For Parallel Blade Damper, Add</i>	9.27	
23 33 13 13-0010	EA		18" Diameter Radial Opposed Blade Damper Round, Steel Construction, Manual Operated	108.73	20.72
			<i>For Stainless Steel, Add</i>	33.61	
			<i>For Parallel Blade Damper, Add</i>	10.34	
23 33 13 13-0011	EA		20" Diameter Radial Opposed Blade Damper Round, Steel Construction, Manual Operated	122.19	23.02
			<i>For Stainless Steel, Add</i>	41.73	
			<i>For Parallel Blade Damper, Add</i>	12.84	
23 33 13 13-0012	EA		24" Diameter Radial Opposed Blade Damper Round, Steel Construction, Manual Operated	130.73	23.02
			<i>For Stainless Steel, Add</i>	47.52	
			<i>For Parallel Blade Damper, Add</i>	14.62	
23 33 13 13-0013	EA		30" Diameter Radial Opposed Blade Damper Round, Steel Construction, Manual Operated	146.39	26.47
			<i>For Stainless Steel, Add</i>	55.63	
			<i>For Parallel Blade Damper, Add</i>	17.12	
23 33 13 13-0014	EA		36" Diameter Radial Opposed Blade Damper Round, Steel Construction, Manual Operated	155.68	27.63
			<i>For Stainless Steel, Add</i>	60.62	
			<i>For Parallel Blade Damper, Add</i>	18.65	
23 33 13 13-0015			Rectangular Opposed Blade Damper <small>(23 33 13 13)</small>		
23 33 13 13-0016	EA		6" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	67.09	12.78
			<i>For Stainless Steel, Add</i>	37.38	
			<i>For Parallel Blade Damper, Add</i>	11.50	
23 33 13 13-0017	EA		8" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	70.85	13.35
			<i>For Stainless Steel, Add</i>	40.03	
			<i>For Parallel Blade Damper, Add</i>	12.32	
23 33 13 13-0018	EA		8" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	73.13	13.47
			<i>For Stainless Steel, Add</i>	42.69	
			<i>For Parallel Blade Damper, Add</i>	13.14	
23 33 13 13-0019	EA		10" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	73.13	13.47
			<i>For Stainless Steel, Add</i>	42.69	
			<i>For Parallel Blade Damper, Add</i>	13.14	
23 33 13 13-0020	EA		10" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	76.35	13.82
			<i>For Stainless Steel, Add</i>	45.37	
			<i>For Parallel Blade Damper, Add</i>	13.96	
23 33 13 13-0021	EA		10" x 10" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	85.04	15.31
			<i>For Stainless Steel, Add</i>	50.69	
			<i>For Parallel Blade Damper, Add</i>	15.60	
23 33 13 13-0022	EA		12" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	76.35	13.82
			<i>For Stainless Steel, Add</i>	45.37	
			<i>For Parallel Blade Damper, Add</i>	13.96	
23 33 13 13-0023	EA		12" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	82.74	14.62
			<i>For Stainless Steel, Add</i>	50.69	
			<i>For Parallel Blade Damper, Add</i>	15.60	
23 33 13 13-0024	EA		12" x 10" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	87.11	15.31
			<i>For Stainless Steel, Add</i>	53.38	
			<i>For Parallel Blade Damper, Add</i>	16.42	
23 33 13 13-0025	EA		12" x 12" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	94.93	17.27
			<i>For Stainless Steel, Add</i>	56.06	
			<i>For Parallel Blade Damper, Add</i>	17.25	
23 33 13 13-0026	EA		14" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	81.73	14.62
			<i>For Stainless Steel, Add</i>	49.37	
			<i>For Parallel Blade Damper, Add</i>	15.19	
23 33 13 13-0027	EA		14" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	87.11	15.31
			<i>For Stainless Steel, Add</i>	53.38	
			<i>For Parallel Blade Damper, Add</i>	16.42	
23 33 13 13-0028	EA		14" x 10" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	91.47	16.12
			<i>For Stainless Steel, Add</i>	56.06	
			<i>For Parallel Blade Damper, Add</i>	17.25	
23 33 13 13-0029	EA		14" x 12" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	96.98	17.27
			<i>For Stainless Steel, Add</i>	58.72	
			<i>For Parallel Blade Damper, Add</i>	18.07	
23 33 13 13-0030	EA		14" x 14" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	107.86	19.23
			<i>For Stainless Steel, Add</i>	65.39	
			<i>For Parallel Blade Damper, Add</i>	20.12	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 13-0031 EA 16" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	87.11	15.31
For Stainless Steel, Add	53.38	
For Parallel Blade Damper, Add	16.42	
23 33 13 13-0032 EA 16" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	92.63	16.47
For Stainless Steel, Add	56.06	
For Parallel Blade Damper, Add	17.25	
23 33 13 13-0033 EA 16" x 10" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	99.28	18.08
For Stainless Steel, Add	58.72	
For Parallel Blade Damper, Add	18.07	
23 33 13 13-0034 EA 16" x 12" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	104.78	19.23
For Stainless Steel, Add	61.39	
For Parallel Blade Damper, Add	18.89	
23 33 13 13-0035 EA 16" x 14" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	115.69	21.07
For Stainless Steel, Add	68.08	
For Parallel Blade Damper, Add	20.95	
23 33 13 13-0036 EA 16" x 16" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	126.57	23.03
For Stainless Steel, Add	74.74	
For Parallel Blade Damper, Add	23.00	
23 33 13 13-0037 EA 18" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	91.47	16.12
For Stainless Steel, Add	56.06	
For Parallel Blade Damper, Add	17.25	
23 33 13 13-0038 EA 18" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	98.00	17.27
For Stainless Steel, Add	60.05	
For Parallel Blade Damper, Add	18.48	
23 33 13 13-0039 EA 18" x 10" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	106.84	19.23
For Stainless Steel, Add	64.06	
For Parallel Blade Damper, Add	19.71	
23 33 13 13-0040 EA 18" x 12" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	117.74	21.07
For Stainless Steel, Add	70.75	
For Parallel Blade Damper, Add	21.77	
23 33 13 13-0041 EA 18" x 14" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	127.60	23.03
For Stainless Steel, Add	76.08	
For Parallel Blade Damper, Add	23.41	
23 33 13 13-0042 EA 18" x 16" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	138.48	24.87
For Stainless Steel, Add	82.73	
For Parallel Blade Damper, Add	25.46	
23 33 13 13-0043 EA 18" x 18" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	147.32	26.83
For Stainless Steel, Add	86.75	
For Parallel Blade Damper, Add	26.69	
23 33 13 13-0044 EA 20" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	96.98	17.27
For Stainless Steel, Add	58.72	
For Parallel Blade Damper, Add	18.07	
23 33 13 13-0045 EA 20" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	106.83	19.23
For Stainless Steel, Add	64.05	
For Parallel Blade Damper, Add	19.71	
23 33 13 13-0046 EA 20" x 10" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	116.70	21.07
For Stainless Steel, Add	69.39	
For Parallel Blade Damper, Add	21.35	
23 33 13 13-0047 EA 20" x 12" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	130.68	23.03
For Stainless Steel, Add	80.08	
For Parallel Blade Damper, Add	24.64	
23 33 13 13-0048 EA 20" x 14" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	139.53	24.87
For Stainless Steel, Add	84.10	
For Parallel Blade Damper, Add	25.88	
23 33 13 13-0049 EA 20" x 16" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	148.36	26.83
For Stainless Steel, Add	88.10	
For Parallel Blade Damper, Add	27.11	
23 33 13 13-0050 EA 20" x 18" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	158.21	28.79
For Stainless Steel, Add	93.42	
For Parallel Blade Damper, Add	28.74	
23 33 13 13-0051 EA 20" x 20" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	168.07	30.63
For Stainless Steel, Add	98.75	
For Parallel Blade Damper, Add	30.38	
23 33 13 13-0052 EA 24" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	108.89	19.23
For Stainless Steel, Add	66.73	
For Parallel Blade Damper, Add	20.53	
23 33 13 13-0053 EA 24" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	120.81	21.07
For Stainless Steel, Add	74.74	
For Parallel Blade Damper, Add	23.00	
23 33 13 13-0054 EA 24" x 10" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	130.68	23.03
For Stainless Steel, Add	80.08	
For Parallel Blade Damper, Add	24.64	
23 33 13 13-0055 EA 24" x 12" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	142.61	24.87
For Stainless Steel, Add	88.10	
For Parallel Blade Damper, Add	27.11	
23 33 13 13-0056 EA 24" x 14" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	151.43	26.83
For Stainless Steel, Add	92.09	
For Parallel Blade Damper, Add	28.34	
23 33 13 13-0057 EA 24" x 16" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	160.27	28.79
For Stainless Steel, Add	96.10	
For Parallel Blade Damper, Add	29.57	
23 33 13 13-0058 EA 24" x 18" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	172.18	30.63
For Stainless Steel, Add	104.09	
For Parallel Blade Damper, Add	32.03	

23 Heating, Ventilating, And Air-Conditioning (HVAC)

23 30 HVAC Air Distribution

23 33 Air Duct Accessories



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 13-0059	EA		24" x 20" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	189.83	34.53
			<i>For Stainless Steel, Add</i>	112.09	
			<i>For Parallel Blade Damper, Add</i>	34.49	
23 33 13 13-0060	EA		24" x 24" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	209.59	38.34
			<i>For Stainless Steel, Add</i>	122.80	
			<i>For Parallel Blade Damper, Add</i>	37.78	
23 33 13 13-0061	EA		28" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	120.81	21.07
			<i>For Stainless Steel, Add</i>	74.74	
			<i>For Parallel Blade Damper, Add</i>	23.00	
23 33 13 13-0062	EA		28" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	130.68	23.03
			<i>For Stainless Steel, Add</i>	80.08	
			<i>For Parallel Blade Damper, Add</i>	24.64	
23 33 13 13-0063	EA		28" x 10" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	142.61	24.87
			<i>For Stainless Steel, Add</i>	88.10	
			<i>For Parallel Blade Damper, Add</i>	27.11	
23 33 13 13-0064	EA		28" x 12" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	152.45	26.83
			<i>For Stainless Steel, Add</i>	93.42	
			<i>For Parallel Blade Damper, Add</i>	28.74	
23 33 13 13-0065	EA		28" x 14" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	163.34	28.79
			<i>For Stainless Steel, Add</i>	100.09	
			<i>For Parallel Blade Damper, Add</i>	30.80	
23 33 13 13-0066	EA		28" x 16" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	174.22	30.63
			<i>For Stainless Steel, Add</i>	106.74	
			<i>For Parallel Blade Damper, Add</i>	32.84	
23 33 13 13-0067	EA		28" x 18" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	191.89	34.53
			<i>For Stainless Steel, Add</i>	114.76	
			<i>For Parallel Blade Damper, Add</i>	35.31	
23 33 13 13-0068	EA		28" x 20" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	209.59	38.34
			<i>For Stainless Steel, Add</i>	122.80	
			<i>For Parallel Blade Damper, Add</i>	37.78	
23 33 13 13-0069	EA		28" x 24" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	227.65	40.29
			<i>For Stainless Steel, Add</i>	138.79	
			<i>For Parallel Blade Damper, Add</i>	42.70	
23 33 13 13-0070	EA		28" x 28" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	249.42	44.09
			<i>For Stainless Steel, Add</i>	152.13	
			<i>For Parallel Blade Damper, Add</i>	46.81	
23 33 13 13-0071	EA		32" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	136.85	23.03
			<i>For Stainless Steel, Add</i>	88.10	
			<i>For Parallel Blade Damper, Add</i>	27.11	
23 33 13 13-0072	EA		32" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	144.65	24.87
			<i>For Stainless Steel, Add</i>	90.75	
			<i>For Parallel Blade Damper, Add</i>	27.92	
23 33 13 13-0073	EA		32" x 10" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	152.45	26.83
			<i>For Stainless Steel, Add</i>	93.42	
			<i>For Parallel Blade Damper, Add</i>	28.74	
23 33 13 13-0074	EA		32" x 12" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	162.31	28.79
			<i>For Stainless Steel, Add</i>	98.75	
			<i>For Parallel Blade Damper, Add</i>	30.38	
23 33 13 13-0075	EA		32" x 14" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	174.62	30.63
			<i>For Stainless Steel, Add</i>	107.26	
			<i>For Parallel Blade Damper, Add</i>	33.00	
23 33 13 13-0076	EA		32" x 16" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	191.89	34.53
			<i>For Stainless Steel, Add</i>	114.76	
			<i>For Parallel Blade Damper, Add</i>	35.31	
23 33 13 13-0077	EA		32" x 18" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	211.64	38.34
			<i>For Stainless Steel, Add</i>	125.46	
			<i>For Parallel Blade Damper, Add</i>	38.60	
23 33 13 13-0078	EA		32" x 20" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	231.36	42.14
			<i>For Stainless Steel, Add</i>	136.14	
			<i>For Parallel Blade Damper, Add</i>	41.89	
23 33 13 13-0079	EA		32" x 24" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	249.42	44.09
			<i>For Stainless Steel, Add</i>	152.13	
			<i>For Parallel Blade Damper, Add</i>	46.81	
23 33 13 13-0080	EA		32" x 28" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	273.02	47.20
			<i>For Stainless Steel, Add</i>	170.83	
			<i>For Parallel Blade Damper, Add</i>	52.56	
23 33 13 13-0081	EA		32" x 32" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	297.51	49.85
			<i>For Stainless Steel, Add</i>	192.19	
			<i>For Parallel Blade Damper, Add</i>	59.14	
23 33 13 13-0082	EA		36" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	148.76	24.87
			<i>For Stainless Steel, Add</i>	96.10	
			<i>For Parallel Blade Damper, Add</i>	29.57	
23 33 13 13-0083	EA		36" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	158.61	26.83
			<i>For Stainless Steel, Add</i>	101.43	
			<i>For Parallel Blade Damper, Add</i>	31.21	
23 33 13 13-0084	EA		36" x 10" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	168.46	28.79
			<i>For Stainless Steel, Add</i>	106.74	
			<i>For Parallel Blade Damper, Add</i>	32.84	
23 33 13 13-0085	EA		36" x 12" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	180.39	30.63
			<i>For Stainless Steel, Add</i>	114.76	
			<i>For Parallel Blade Damper, Add</i>	35.31	
23 33 13 13-0086	EA		36" x 14" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	194.99	34.53
			<i>For Stainless Steel, Add</i>	118.79	
			<i>For Parallel Blade Damper, Add</i>	36.55	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 13-0087 EA 36" x 16" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	203.83	36.38
For Stainless Steel, Add	122.80	
For Parallel Blade Damper, Add	37.78	
23 33 13 13-0088 EA 36" x 18" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	231.36	42.14
For Stainless Steel, Add	136.14	
For Parallel Blade Damper, Add	41.89	
23 33 13 13-0089 EA 36" x 20" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	253.13	46.05
For Stainless Steel, Add	149.46	
For Parallel Blade Damper, Add	45.99	
23 33 13 13-0090 EA 36" x 24" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	270.06	47.55
For Stainless Steel, Add	165.49	
For Parallel Blade Damper, Add	50.92	
23 33 13 13-0091 EA 36" x 28" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	296.83	51.00
For Stainless Steel, Add	186.82	
For Parallel Blade Damper, Add	57.48	
23 33 13 13-0092 EA 36" x 32" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	319.28	53.66
For Stainless Steel, Add	205.52	
For Parallel Blade Damper, Add	63.24	
23 33 13 13-0093 EA 36" x 36" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	341.46	55.60
For Stainless Steel, Add	226.88	
For Parallel Blade Damper, Add	69.81	
23 33 13 13-0094 EA 40" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	156.55	28.79
For Stainless Steel, Add	98.75	
For Parallel Blade Damper, Add	30.38	
23 33 13 13-0095 EA 40" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	170.52	30.63
For Stainless Steel, Add	109.42	
For Parallel Blade Damper, Add	33.67	
23 33 13 13-0096 EA 40" x 10" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	178.33	32.59
For Stainless Steel, Add	112.09	
For Parallel Blade Damper, Add	34.49	
23 33 13 13-0097 EA 40" x 12" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	186.15	34.53
For Stainless Steel, Add	114.76	
For Parallel Blade Damper, Add	35.31	
23 33 13 13-0098 EA 40" x 14" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	204.84	36.38
For Stainless Steel, Add	124.11	
For Parallel Blade Damper, Add	38.19	
23 33 13 13-0099 EA 40" x 16" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	217.80	38.34
For Stainless Steel, Add	133.47	
For Parallel Blade Damper, Add	41.07	
23 33 13 13-0100 EA 40" x 18" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	243.27	44.09
For Stainless Steel, Add	144.13	
For Parallel Blade Damper, Add	44.35	
23 33 13 13-0101 EA 40" x 20" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	263.01	47.90
For Stainless Steel, Add	154.82	
For Parallel Blade Damper, Add	47.64	
23 33 13 13-0102 EA 40" x 24" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	284.53	51.00
For Stainless Steel, Add	170.83	
For Parallel Blade Damper, Add	52.56	
23 33 13 13-0103 EA 40" x 28" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	315.18	53.66
For Stainless Steel, Add	200.19	
For Parallel Blade Damper, Add	61.60	
23 33 13 13-0104 EA 40" x 32" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	336.68	56.76
For Stainless Steel, Add	216.18	
For Parallel Blade Damper, Add	66.52	
23 33 13 13-0105 EA 40" x 36" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	363.89	58.26
For Stainless Steel, Add	245.56	
For Parallel Blade Damper, Add	75.56	
23 33 13 13-0106 EA 40" x 40" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	393.64	61.36
For Stainless Steel, Add	272.26	
For Parallel Blade Damper, Add	83.77	
23 33 13 13-0107 EA 44" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	166.42	28.79
For Stainless Steel, Add	104.09	
For Parallel Blade Damper, Add	32.03	
23 33 13 13-0108 EA 44" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	180.39	30.63
For Stainless Steel, Add	114.76	
For Parallel Blade Damper, Add	35.31	
23 33 13 13-0109 EA 44" x 10" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	192.33	32.59
For Stainless Steel, Add	122.80	
For Parallel Blade Damper, Add	37.78	
23 33 13 13-0110 EA 44" x 12" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	200.12	34.53
For Stainless Steel, Add	125.46	
For Parallel Blade Damper, Add	38.60	
23 33 13 13-0111 EA 44" x 14" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	214.09	36.38
For Stainless Steel, Add	136.14	
For Parallel Blade Damper, Add	41.89	
23 33 13 13-0112 EA 44" x 16" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	228.06	38.34
For Stainless Steel, Add	146.81	
For Parallel Blade Damper, Add	45.17	
23 33 13 13-0113 EA 44" x 18" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	261.36	46.05
For Stainless Steel, Add	160.16	
For Parallel Blade Damper, Add	49.28	
23 33 13 13-0114 EA 44" x 20" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	283.12	49.85
For Stainless Steel, Add	173.49	
For Parallel Blade Damper, Add	53.38	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 33 Air Duct Accessories**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 13-0115 EA 44" x 24" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	315.18	53.66
For Stainless Steel, Add	200.19	
For Parallel Blade Damper, Add	61.60	
23 33 13 13-0116 EA 44" x 28" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	345.16	57.56
For Stainless Steel, Add	224.21	
For Parallel Blade Damper, Add	68.99	
23 33 13 13-0117 EA 44" x 32" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	377.20	61.36
For Stainless Steel, Add	250.89	
For Parallel Blade Damper, Add	77.20	
23 33 13 13-0118 EA 44" x 36" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	401.43	63.21
For Stainless Steel, Add	274.91	
For Parallel Blade Damper, Add	84.59	
23 33 13 13-0119 EA 44" x 40" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	425.67	65.16
For Stainless Steel, Add	298.94	
For Parallel Blade Damper, Add	91.98	
23 33 13 13-0120 EA 44" x 44" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	449.92	67.12
For Stainless Steel, Add	322.97	
For Parallel Blade Damper, Add	99.38	
23 33 13 13-0121 EA 48" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	178.33	30.63
For Stainless Steel, Add	112.09	
For Parallel Blade Damper, Add	34.49	
23 33 13 13-0122 EA 48" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	192.33	32.59
For Stainless Steel, Add	122.80	
For Parallel Blade Damper, Add	37.78	
23 33 13 13-0123 EA 48" x 10" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	200.12	34.53
For Stainless Steel, Add	125.46	
For Parallel Blade Damper, Add	38.60	
23 33 13 13-0124 EA 48" x 12" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	217.80	38.34
For Stainless Steel, Add	133.47	
For Parallel Blade Damper, Add	41.07	
23 33 13 13-0125 EA 48" x 14" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	237.51	42.14
For Stainless Steel, Add	144.13	
For Parallel Blade Damper, Add	44.35	
23 33 13 13-0126 EA 48" x 16" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	257.25	46.05
For Stainless Steel, Add	154.82	
For Parallel Blade Damper, Add	47.64	
23 33 13 13-0127 EA 48" x 18" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	281.08	49.85
For Stainless Steel, Add	170.83	
For Parallel Blade Damper, Add	52.56	
23 33 13 13-0128 EA 48" x 20" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	304.90	53.66
For Stainless Steel, Add	186.82	
For Parallel Blade Damper, Add	57.48	
23 33 13 13-0129 EA 48" x 24" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	334.89	57.56
For Stainless Steel, Add	210.86	
For Parallel Blade Damper, Add	64.88	
23 33 13 13-0130 EA 48" x 28" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	368.99	61.36
For Stainless Steel, Add	240.21	
For Parallel Blade Damper, Add	73.91	
23 33 13 13-0131 EA 48" x 32" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	393.24	63.21
For Stainless Steel, Add	264.26	
For Parallel Blade Damper, Add	81.31	
23 33 13 13-0132 EA 48" x 36" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	423.62	65.16
For Stainless Steel, Add	296.27	
For Parallel Blade Damper, Add	91.16	
23 33 13 13-0133 EA 48" x 40" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	453.62	68.96
For Stainless Steel, Add	320.29	
For Parallel Blade Damper, Add	98.55	
23 33 13 13-0134 EA 48" x 44" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	484.01	70.92
For Stainless Steel, Add	352.33	
For Parallel Blade Damper, Add	108.41	
23 33 13 13-0135 EA 48" x 48" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	517.70	76.68
For Stainless Steel, Add	373.67	
For Parallel Blade Damper, Add	114.98	
23 33 13 13-0136 EA 52" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	190.27	32.59
For Stainless Steel, Add	120.12	
For Parallel Blade Damper, Add	36.96	
23 33 13 13-0137 EA 52" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	204.22	34.53
For Stainless Steel, Add	130.79	
For Parallel Blade Damper, Add	40.24	
23 33 13 13-0138 EA 52" x 10" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	223.95	38.34
For Stainless Steel, Add	141.47	
For Parallel Blade Damper, Add	43.53	
23 33 13 13-0139 EA 52" x 12" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	237.51	42.14
For Stainless Steel, Add	144.13	
For Parallel Blade Damper, Add	44.35	
23 33 13 13-0140 EA 52" x 14" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	258.28	46.05
For Stainless Steel, Add	156.16	
For Parallel Blade Damper, Add	48.05	
23 33 13 13-0141 EA 52" x 16" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	279.03	49.85
For Stainless Steel, Add	168.17	
For Parallel Blade Damper, Add	51.74	
23 33 13 13-0142 EA 52" x 18" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	302.86	53.66
For Stainless Steel, Add	184.17	
For Parallel Blade Damper, Add	56.67	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 13-0143 EA 52" x 20" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	326.68	57.56
<i>For Stainless Steel, Add</i>	200.19	
<i>For Parallel Blade Damper, Add</i>	61.60	
23 33 13 13-0144 EA 52" x 24" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	356.68	61.36
<i>For Stainless Steel, Add</i>	224.21	
<i>For Parallel Blade Damper, Add</i>	68.99	
23 33 13 13-0145 EA 52" x 28" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	392.82	65.16
<i>For Stainless Steel, Add</i>	256.23	
<i>For Parallel Blade Damper, Add</i>	78.84	
23 33 13 13-0146 EA 52" x 32" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	419.10	67.12
<i>For Stainless Steel, Add</i>	282.91	
<i>For Parallel Blade Damper, Add</i>	87.05	
23 33 13 13-0147 EA 52" x 36" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	451.57	68.96
<i>For Stainless Steel, Add</i>	317.63	
<i>For Parallel Blade Damper, Add</i>	97.73	
23 33 13 13-0148 EA 52" x 40" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	487.70	72.88
<i>For Stainless Steel, Add</i>	349.64	
<i>For Parallel Blade Damper, Add</i>	107.58	
23 33 13 13-0149 EA 52" x 44" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	517.70	76.68
<i>For Stainless Steel, Add</i>	373.67	
<i>For Parallel Blade Damper, Add</i>	114.98	
23 33 13 13-0150 EA 52" x 48" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	559.61	82.43
<i>For Stainless Steel, Add</i>	405.70	
<i>For Parallel Blade Damper, Add</i>	124.83	
23 33 13 13-0151 EA 52" x 52" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	591.66	86.23
<i>For Stainless Steel, Add</i>	432.41	
<i>For Parallel Blade Damper, Add</i>	133.05	
23 33 13 13-0152 EA 56" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	200.12	34.53
<i>For Stainless Steel, Add</i>	125.46	
<i>For Parallel Blade Damper, Add</i>	38.60	
23 33 13 13-0153 EA 56" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	221.89	38.34
<i>For Stainless Steel, Add</i>	138.79	
<i>For Parallel Blade Damper, Add</i>	42.70	
23 33 13 13-0154 EA 56" x 10" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	239.57	42.14
<i>For Stainless Steel, Add</i>	146.81	
<i>For Parallel Blade Damper, Add</i>	45.17	
23 33 13 13-0155 EA 56" x 12" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	253.13	46.05
<i>For Stainless Steel, Add</i>	149.46	
<i>For Parallel Blade Damper, Add</i>	45.99	
23 33 13 13-0156 EA 56" x 14" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	275.94	49.85
<i>For Stainless Steel, Add</i>	164.15	
<i>For Parallel Blade Damper, Add</i>	50.51	
23 33 13 13-0157 EA 56" x 16" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	298.75	53.66
<i>For Stainless Steel, Add</i>	178.83	
<i>For Parallel Blade Damper, Add</i>	55.02	
23 33 13 13-0158 EA 56" x 18" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	321.54	57.56
<i>For Stainless Steel, Add</i>	193.51	
<i>For Parallel Blade Damper, Add</i>	59.54	
23 33 13 13-0159 EA 56" x 20" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	344.35	61.36
<i>For Stainless Steel, Add</i>	208.18	
<i>For Parallel Blade Damper, Add</i>	64.06	
23 33 13 13-0160 EA 56" x 24" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	380.50	65.16
<i>For Stainless Steel, Add</i>	240.21	
<i>For Parallel Blade Damper, Add</i>	73.91	
23 33 13 13-0161 EA 56" x 28" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	410.91	67.12
<i>For Stainless Steel, Add</i>	272.26	
<i>For Parallel Blade Damper, Add</i>	83.77	
23 33 13 13-0162 EA 56" x 32" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	439.25	68.96
<i>For Stainless Steel, Add</i>	301.61	
<i>For Parallel Blade Damper, Add</i>	92.80	
23 33 13 13-0163 EA 56" x 36" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	479.50	72.88
<i>For Stainless Steel, Add</i>	338.98	
<i>For Parallel Blade Damper, Add</i>	104.30	
23 33 13 13-0164 EA 56" x 40" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	515.65	76.68
<i>For Stainless Steel, Add</i>	371.01	
<i>For Parallel Blade Damper, Add</i>	114.16	
23 33 13 13-0165 EA 56" x 44" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	553.85	80.47
<i>For Stainless Steel, Add</i>	405.70	
<i>For Parallel Blade Damper, Add</i>	124.83	
23 33 13 13-0166 EA 56" x 48" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	585.91	84.39
<i>For Stainless Steel, Add</i>	432.41	
<i>For Parallel Blade Damper, Add</i>	133.05	
23 33 13 13-0167 EA 56" x 52" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	624.11	88.19
<i>For Stainless Steel, Add</i>	467.10	
<i>For Parallel Blade Damper, Add</i>	143.72	
23 33 13 13-0168 EA 56" x 56" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	662.32	91.99
<i>For Stainless Steel, Add</i>	501.80	
<i>For Parallel Blade Damper, Add</i>	154.40	
23 33 13 13-0169 EA 60" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	217.80	38.34
<i>For Stainless Steel, Add</i>	133.47	
<i>For Parallel Blade Damper, Add</i>	41.07	
23 33 13 13-0170 EA 60" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	239.57	42.14
<i>For Stainless Steel, Add</i>	146.81	
<i>For Parallel Blade Damper, Add</i>	45.17	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 33 Air Duct Accessories**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 13-0171 EA 60" x 10" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	255.18	46.05
For Stainless Steel, Add	152.13	
For Parallel Blade Damper, Add	46.81	
23 33 13 13-0172 EA 60" x 12" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	268.76	49.85
For Stainless Steel, Add	154.82	
For Parallel Blade Damper, Add	47.64	
23 33 13 13-0173 EA 60" x 14" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	292.60	53.66
For Stainless Steel, Add	170.83	
For Parallel Blade Damper, Add	52.56	
23 33 13 13-0174 EA 60" x 16" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	316.40	57.56
For Stainless Steel, Add	186.82	
For Parallel Blade Damper, Add	57.48	
23 33 13 13-0175 EA 60" x 18" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	341.27	61.36
For Stainless Steel, Add	204.18	
For Parallel Blade Damper, Add	62.82	
23 33 13 13-0176 EA 60" x 20" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	366.13	65.16
For Stainless Steel, Add	221.53	
For Parallel Blade Damper, Add	68.16	
23 33 13 13-0177 EA 60" x 24" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	398.58	67.12
For Stainless Steel, Add	256.23	
For Parallel Blade Damper, Add	78.84	
23 33 13 13-0178 EA 60" x 28" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	428.97	68.96
For Stainless Steel, Add	288.25	
For Parallel Blade Damper, Add	88.69	
23 33 13 13-0179 EA 60" x 32" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	467.19	72.88
For Stainless Steel, Add	322.97	
For Parallel Blade Damper, Add	99.38	
23 33 13 13-0180 EA 60" x 36" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	505.39	76.68
For Stainless Steel, Add	357.67	
For Parallel Blade Damper, Add	110.05	
23 33 13 13-0181 EA 60" x 40" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	537.42	80.47
For Stainless Steel, Add	384.35	
For Parallel Blade Damper, Add	118.26	
23 33 13 13-0182 EA 60" x 44" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	581.78	84.39
For Stainless Steel, Add	427.04	
For Parallel Blade Damper, Add	131.40	
23 33 13 13-0183 EA 60" x 48" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	622.04	88.19
For Stainless Steel, Add	464.41	
For Parallel Blade Damper, Add	142.90	
23 33 13 13-0184 EA 60" x 52" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	662.32	91.99
For Stainless Steel, Add	501.80	
For Parallel Blade Damper, Add	154.40	
23 33 13 13-0185 EA 60" x 56" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	698.44	95.91
For Stainless Steel, Add	533.79	
For Parallel Blade Damper, Add	164.24	
23 33 13 13-0186 EA 60" x 60" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	734.61	99.70
For Stainless Steel, Add	565.85	
For Parallel Blade Damper, Add	174.11	
23 33 13 16 Fire Dampers (23 33 13)		
23 33 13 16-0001 Fire Dampers (23 33 13 16)		
23 33 13 16-0002 SF Fire Damper, Vertical Curtain Type.....	58.80	12.43
For Smoke Damper, Add	18.17	
For Horizontal, Add	3.21	
For Dynamic Damper, Add	4.81	
For 3 Hour Rated, Add	4.28	
23 33 13 16-0003 SF Fire Damper, Vertical Louver Type	70.47	12.43
For Smoke Damper, Add	28.09	
For Horizontal, Add	4.96	
For Dynamic Damper, Add	7.44	
For 3 Hour Rated, Add	6.61	
23 33 13 16-0004 Folding Curtain Fire Dampers (23 33 13 16)		
Note: UL Listed. Air stream galvanized steel construction with fusible link 160 F spring actuated for horizontal mount gravity actuated for vertical mount 1-1/2 hour fire rating. Damper blades and damper frame are in the air stream.		
23 33 13 16-0005 EA 6" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	54.74	12.78
For Horizontal, Add	2.46	
For Dynamic Damper, Add	3.69	
For 3 Hour Rated, Add	3.28	
For Damper Blades Outside Air Stream, Add	4.92	
23 33 13 16-0006 EA 8" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	57.62	13.35
For Horizontal, Add	2.63	
For Dynamic Damper, Add	3.95	
For 3 Hour Rated, Add	3.51	
For Damper Blades Outside Air Stream, Add	5.27	
23 33 13 16-0007 EA 8" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	59.03	13.47
For Horizontal, Add	2.81	
For Dynamic Damper, Add	4.22	
For 3 Hour Rated, Add	3.75	
For Damper Blades Outside Air Stream, Add	5.62	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 16-0008 EA 10" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	59.03	13.47
<i>For Horizontal, Add</i>	2.81	
<i>For Dynamic Damper, Add</i>	4.22	
<i>For 3 Hour Rated, Add</i>	3.75	
<i>For Damper Blades Outside Air Stream, Add</i>	5.62	
23 33 13 16-0009 EA 10" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	61.36	13.82
<i>For Horizontal, Add</i>	2.99	
<i>For Dynamic Damper, Add</i>	4.48	
<i>For 3 Hour Rated, Add</i>	3.98	
<i>For Damper Blades Outside Air Stream, Add</i>	5.97	
23 33 13 16-0010 EA 10" x 10" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	68.30	15.31
<i>For Horizontal, Add</i>	3.34	
<i>For Dynamic Damper, Add</i>	5.01	
<i>For 3 Hour Rated, Add</i>	4.45	
<i>For Damper Blades Outside Air Stream, Add</i>	6.68	
23 33 13 16-0011 EA 12" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	61.36	13.82
<i>For Horizontal, Add</i>	2.99	
<i>For Dynamic Damper, Add</i>	4.48	
<i>For 3 Hour Rated, Add</i>	3.98	
<i>For Damper Blades Outside Air Stream, Add</i>	5.97	
23 33 13 16-0012 EA 12" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	66.00	14.62
<i>For Horizontal, Add</i>	3.34	
<i>For Dynamic Damper, Add</i>	5.01	
<i>For 3 Hour Rated, Add</i>	4.45	
<i>For Damper Blades Outside Air Stream, Add</i>	6.68	
23 33 13 16-0013 EA 12" x 10" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	69.47	15.31
<i>For Horizontal, Add</i>	3.51	
<i>For Dynamic Damper, Add</i>	5.27	
<i>For 3 Hour Rated, Add</i>	4.68	
<i>For Damper Blades Outside Air Stream, Add</i>	7.03	
23 33 13 16-0014 EA 12" x 12" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	76.41	17.27
<i>For Horizontal, Add</i>	3.69	
<i>For Dynamic Damper, Add</i>	5.54	
<i>For 3 Hour Rated, Add</i>	4.92	
<i>For Damper Blades Outside Air Stream, Add</i>	7.38	
23 33 13 16-0015 EA 14" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	65.42	14.62
<i>For Horizontal, Add</i>	3.25	
<i>For Dynamic Damper, Add</i>	4.88	
<i>For 3 Hour Rated, Add</i>	4.33	
<i>For Damper Blades Outside Air Stream, Add</i>	6.50	
23 33 13 16-0016 EA 14" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	69.47	15.31
<i>For Horizontal, Add</i>	3.51	
<i>For Dynamic Damper, Add</i>	5.27	
<i>For 3 Hour Rated, Add</i>	4.68	
<i>For Damper Blades Outside Air Stream, Add</i>	7.03	
23 33 13 16-0017 EA 14" x 10" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	72.95	16.12
<i>For Horizontal, Add</i>	3.69	
<i>For Dynamic Damper, Add</i>	5.54	
<i>For 3 Hour Rated, Add</i>	4.92	
<i>For Damper Blades Outside Air Stream, Add</i>	7.38	
23 33 13 16-0018 EA 14" x 12" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	77.58	17.27
<i>For Horizontal, Add</i>	3.87	
<i>For Dynamic Damper, Add</i>	5.80	
<i>For 3 Hour Rated, Add</i>	5.15	
<i>For Damper Blades Outside Air Stream, Add</i>	7.73	
23 33 13 16-0019 EA 14" x 14" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	86.26	19.23
<i>For Horizontal, Add</i>	4.31	
<i>For Dynamic Damper, Add</i>	6.46	
<i>For 3 Hour Rated, Add</i>	5.74	
<i>For Damper Blades Outside Air Stream, Add</i>	8.61	
23 33 13 16-0020 EA 16" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	69.47	15.31
<i>For Horizontal, Add</i>	3.51	
<i>For Dynamic Damper, Add</i>	5.27	
<i>For 3 Hour Rated, Add</i>	4.68	
<i>For Damper Blades Outside Air Stream, Add</i>	7.03	
23 33 13 16-0021 EA 16" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	74.11	16.47
<i>For Horizontal, Add</i>	3.69	
<i>For Dynamic Damper, Add</i>	5.54	
<i>For 3 Hour Rated, Add</i>	4.92	
<i>For Damper Blades Outside Air Stream, Add</i>	7.38	
23 33 13 16-0022 EA 16" x 10" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	79.88	18.08
<i>For Horizontal, Add</i>	3.87	
<i>For Dynamic Damper, Add</i>	5.80	
<i>For 3 Hour Rated, Add</i>	5.15	
<i>For Damper Blades Outside Air Stream, Add</i>	7.73	
23 33 13 16-0023 EA 16" x 12" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	84.49	19.23
<i>For Horizontal, Add</i>	4.04	
<i>For Dynamic Damper, Add</i>	6.06	
<i>For 3 Hour Rated, Add</i>	5.39	
<i>For Damper Blades Outside Air Stream, Add</i>	8.08	
23 33 13 16-0024 EA 16" x 14" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	93.19	21.07
<i>For Horizontal, Add</i>	4.48	
<i>For Dynamic Damper, Add</i>	6.72	
<i>For 3 Hour Rated, Add</i>	5.97	
<i>For Damper Blades Outside Air Stream, Add</i>	8.96	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 33 Air Duct Accessories**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 16-0025 EA 16" x 16" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	101.88	23.03
For Horizontal, Add	4.92	
For Dynamic Damper, Add	7.38	
For 3 Hour Rated, Add	6.56	
For Damper Blades Outside Air Stream, Add	9.84	
23 33 13 16-0026 EA 18" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	72.95	16.12
For Horizontal, Add	3.69	
For Dynamic Damper, Add	5.54	
For 3 Hour Rated, Add	4.92	
For Damper Blades Outside Air Stream, Add	7.38	
23 33 13 16-0027 EA 18" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	78.16	17.27
For Horizontal, Add	3.95	
For Dynamic Damper, Add	5.93	
For 3 Hour Rated, Add	5.27	
For Damper Blades Outside Air Stream, Add	7.91	
23 33 13 16-0028 EA 18" x 10" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	85.68	19.23
For Horizontal, Add	4.22	
For Dynamic Damper, Add	6.33	
For 3 Hour Rated, Add	5.62	
For Damper Blades Outside Air Stream, Add	8.44	
23 33 13 16-0029 EA 18" x 12" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	94.36	21.07
For Horizontal, Add	4.66	
For Dynamic Damper, Add	6.98	
For 3 Hour Rated, Add	6.21	
For Damper Blades Outside Air Stream, Add	9.31	
23 33 13 16-0030 EA 18" x 14" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	102.46	23.03
For Horizontal, Add	5.01	
For Dynamic Damper, Add	7.51	
For 3 Hour Rated, Add	6.68	
For Damper Blades Outside Air Stream, Add	10.01	
23 33 13 16-0031 EA 18" x 16" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	111.15	24.87
For Horizontal, Add	5.45	
For Dynamic Damper, Add	8.17	
For 3 Hour Rated, Add	7.26	
For Damper Blades Outside Air Stream, Add	10.89	
23 33 13 16-0032 EA 18" x 18" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	118.66	26.83
For Horizontal, Add	5.71	
For Dynamic Damper, Add	8.57	
For 3 Hour Rated, Add	7.61	
For Damper Blades Outside Air Stream, Add	11.42	
23 33 13 16-0033 EA 20" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	77.58	17.27
For Horizontal, Add	3.87	
For Dynamic Damper, Add	5.80	
For 3 Hour Rated, Add	5.15	
For Damper Blades Outside Air Stream, Add	7.73	
23 33 13 16-0034 EA 20" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	85.67	19.23
For Horizontal, Add	4.22	
For Dynamic Damper, Add	6.32	
For 3 Hour Rated, Add	5.62	
For Damper Blades Outside Air Stream, Add	8.43	
23 33 13 16-0035 EA 20" x 10" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	93.77	21.07
For Horizontal, Add	4.57	
For Dynamic Damper, Add	6.85	
For 3 Hour Rated, Add	6.09	
For Damper Blades Outside Air Stream, Add	9.14	
23 33 13 16-0036 EA 20" x 12" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	104.23	23.03
For Horizontal, Add	5.27	
For Dynamic Damper, Add	7.91	
For 3 Hour Rated, Add	7.03	
For Damper Blades Outside Air Stream, Add	10.55	
23 33 13 16-0037 EA 20" x 14" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	111.74	24.87
For Horizontal, Add	5.54	
For Dynamic Damper, Add	8.30	
For 3 Hour Rated, Add	7.38	
For Damper Blades Outside Air Stream, Add	11.07	
23 33 13 16-0038 EA 20" x 16" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	119.25	26.83
For Horizontal, Add	5.80	
For Dynamic Damper, Add	8.70	
For 3 Hour Rated, Add	7.73	
For Damper Blades Outside Air Stream, Add	11.60	
23 33 13 16-0039 EA 20" x 18" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	127.35	28.79
For Horizontal, Add	6.15	
For Dynamic Damper, Add	9.23	
For 3 Hour Rated, Add	8.20	
For Damper Blades Outside Air Stream, Add	12.30	
23 33 13 16-0040 EA 20" x 20" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	135.44	30.63
For Horizontal, Add	6.50	
For Dynamic Damper, Add	9.75	
For 3 Hour Rated, Add	8.67	
For Damper Blades Outside Air Stream, Add	13.00	
23 33 13 16-0041 EA 24" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	86.84	19.23
For Horizontal, Add	4.39	
For Dynamic Damper, Add	6.59	
For 3 Hour Rated, Add	5.86	
For Damper Blades Outside Air Stream, Add	8.78	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 16-0042 EA 24" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	96.12	21.07
<i>For Horizontal, Add</i>	4.92	
<i>For Dynamic Damper, Add</i>	7.38	
<i>For 3 Hour Rated, Add</i>	6.56	
<i>For Damper Blades Outside Air Stream, Add</i>	9.84	
23 33 13 16-0043 EA 24" x 10" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	104.23	23.03
<i>For Horizontal, Add</i>	5.27	
<i>For Dynamic Damper, Add</i>	7.91	
<i>For 3 Hour Rated, Add</i>	7.03	
<i>For Damper Blades Outside Air Stream, Add</i>	10.55	
23 33 13 16-0044 EA 24" x 12" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	113.50	24.87
<i>For Horizontal, Add</i>	5.80	
<i>For Dynamic Damper, Add</i>	8.70	
<i>For 3 Hour Rated, Add</i>	7.73	
<i>For Damper Blades Outside Air Stream, Add</i>	11.60	
23 33 13 16-0045 EA 24" x 14" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	121.00	26.83
<i>For Horizontal, Add</i>	6.06	
<i>For Dynamic Damper, Add</i>	9.09	
<i>For 3 Hour Rated, Add</i>	8.08	
<i>For Damper Blades Outside Air Stream, Add</i>	12.12	
23 33 13 16-0046 EA 24" x 16" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	128.52	28.79
<i>For Horizontal, Add</i>	6.33	
<i>For Dynamic Damper, Add</i>	9.49	
<i>For 3 Hour Rated, Add</i>	8.43	
<i>For Damper Blades Outside Air Stream, Add</i>	12.65	
23 33 13 16-0047 EA 24" x 18" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	137.79	30.63
<i>For Horizontal, Add</i>	6.85	
<i>For Dynamic Damper, Add</i>	10.28	
<i>For 3 Hour Rated, Add</i>	9.14	
<i>For Damper Blades Outside Air Stream, Add</i>	13.70	
23 33 13 16-0048 EA 24" x 20" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	152.80	34.53
<i>For Horizontal, Add</i>	7.38	
<i>For Dynamic Damper, Add</i>	11.07	
<i>For 3 Hour Rated, Add</i>	9.84	
<i>For Damper Blades Outside Air Stream, Add</i>	14.76	
23 33 13 16-0049 EA 24" x 24" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	169.02	38.34
<i>For Horizontal, Add</i>	8.08	
<i>For Dynamic Damper, Add</i>	12.13	
<i>For 3 Hour Rated, Add</i>	10.78	
<i>For Damper Blades Outside Air Stream, Add</i>	16.17	
23 33 13 16-0050 EA 28" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	96.12	21.07
<i>For Horizontal, Add</i>	4.92	
<i>For Dynamic Damper, Add</i>	7.38	
<i>For 3 Hour Rated, Add</i>	6.56	
<i>For Damper Blades Outside Air Stream, Add</i>	9.84	
23 33 13 16-0051 EA 28" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	104.23	23.03
<i>For Horizontal, Add</i>	5.27	
<i>For Dynamic Damper, Add</i>	7.91	
<i>For 3 Hour Rated, Add</i>	7.03	
<i>For Damper Blades Outside Air Stream, Add</i>	10.55	
23 33 13 16-0052 EA 28" x 10" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	113.50	24.87
<i>For Horizontal, Add</i>	5.80	
<i>For Dynamic Damper, Add</i>	8.70	
<i>For 3 Hour Rated, Add</i>	7.73	
<i>For Damper Blades Outside Air Stream, Add</i>	11.60	
23 33 13 16-0053 EA 28" x 12" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	121.59	26.83
<i>For Horizontal, Add</i>	6.15	
<i>For Dynamic Damper, Add</i>	9.23	
<i>For 3 Hour Rated, Add</i>	8.20	
<i>For Damper Blades Outside Air Stream, Add</i>	12.30	
23 33 13 16-0054 EA 28" x 14" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	130.28	28.79
<i>For Horizontal, Add</i>	6.59	
<i>For Dynamic Damper, Add</i>	9.88	
<i>For 3 Hour Rated, Add</i>	8.79	
<i>For Damper Blades Outside Air Stream, Add</i>	13.18	
23 33 13 16-0055 EA 28" x 16" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	138.96	30.63
<i>For Horizontal, Add</i>	7.03	
<i>For Dynamic Damper, Add</i>	10.54	
<i>For 3 Hour Rated, Add</i>	9.37	
<i>For Damper Blades Outside Air Stream, Add</i>	14.06	
23 33 13 16-0056 EA 28" x 18" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	153.98	34.53
<i>For Horizontal, Add</i>	7.56	
<i>For Dynamic Damper, Add</i>	11.33	
<i>For 3 Hour Rated, Add</i>	10.07	
<i>For Damper Blades Outside Air Stream, Add</i>	15.11	
23 33 13 16-0057 EA 28" x 20" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	169.02	38.34
<i>For Horizontal, Add</i>	8.08	
<i>For Dynamic Damper, Add</i>	12.13	
<i>For 3 Hour Rated, Add</i>	10.78	
<i>For Damper Blades Outside Air Stream, Add</i>	16.17	
23 33 13 16-0058 EA 28" x 24" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	181.80	40.29
<i>For Horizontal, Add</i>	9.14	
<i>For Dynamic Damper, Add</i>	13.70	
<i>For 3 Hour Rated, Add</i>	12.18	
<i>For Damper Blades Outside Air Stream, Add</i>	18.27	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 33 Air Duct Accessories**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 16-0059 EA 28" x 28" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	199.17	44.09
For Horizontal, Add	10.02	
For Dynamic Damper, Add	15.02	
For 3 Hour Rated, Add	13.35	
For Damper Blades Outside Air Stream, Add	20.03	
23 33 13 16-0060 EA 32" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	107.74	23.03
For Horizontal, Add	5.80	
For Dynamic Damper, Add	8.70	
For 3 Hour Rated, Add	7.73	
For Damper Blades Outside Air Stream, Add	11.60	
23 33 13 16-0061 EA 32" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	114.66	24.87
For Horizontal, Add	5.97	
For Dynamic Damper, Add	8.96	
For 3 Hour Rated, Add	7.96	
For Damper Blades Outside Air Stream, Add	11.95	
23 33 13 16-0062 EA 32" x 10" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	121.59	26.83
For Horizontal, Add	6.15	
For Dynamic Damper, Add	9.23	
For 3 Hour Rated, Add	8.20	
For Damper Blades Outside Air Stream, Add	12.30	
23 33 13 16-0063 EA 32" x 12" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	129.68	28.79
For Horizontal, Add	6.50	
For Dynamic Damper, Add	9.75	
For 3 Hour Rated, Add	8.67	
For Damper Blades Outside Air Stream, Add	13.00	
23 33 13 16-0064 EA 32" x 14" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	139.18	30.63
For Horizontal, Add	7.06	
For Dynamic Damper, Add	10.59	
For 3 Hour Rated, Add	9.41	
For Damper Blades Outside Air Stream, Add	14.12	
23 33 13 16-0065 EA 32" x 16" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	153.98	34.53
For Horizontal, Add	7.56	
For Dynamic Damper, Add	11.33	
For 3 Hour Rated, Add	10.07	
For Damper Blades Outside Air Stream, Add	15.11	
23 33 13 16-0066 EA 32" x 18" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	170.19	38.34
For Horizontal, Add	8.26	
For Dynamic Damper, Add	12.39	
For 3 Hour Rated, Add	11.01	
For Damper Blades Outside Air Stream, Add	16.52	
23 33 13 16-0067 EA 32" x 20" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	186.38	42.14
For Horizontal, Add	8.96	
For Dynamic Damper, Add	13.44	
For 3 Hour Rated, Add	11.95	
For Damper Blades Outside Air Stream, Add	17.92	
23 33 13 16-0068 EA 32" x 24" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	199.17	44.09
For Horizontal, Add	10.02	
For Dynamic Damper, Add	15.02	
For 3 Hour Rated, Add	13.35	
For Damper Blades Outside Air Stream, Add	20.03	
23 33 13 16-0069 EA 32" x 28" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	216.58	47.20
For Horizontal, Add	11.25	
For Dynamic Damper, Add	16.87	
For 3 Hour Rated, Add	14.99	
For Damper Blades Outside Air Stream, Add	22.49	
23 33 13 16-0070 EA 32" x 32" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	234.01	49.85
For Horizontal, Add	12.65	
For Dynamic Damper, Add	18.98	
For 3 Hour Rated, Add	16.87	
For Damper Blades Outside Air Stream, Add	25.30	
23 33 13 16-0071 EA 36" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	117.01	24.87
For Horizontal, Add	6.33	
For Dynamic Damper, Add	9.49	
For 3 Hour Rated, Add	8.43	
For Damper Blades Outside Air Stream, Add	12.65	
23 33 13 16-0072 EA 36" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	125.10	26.83
For Horizontal, Add	6.68	
For Dynamic Damper, Add	10.01	
For 3 Hour Rated, Add	8.90	
For Damper Blades Outside Air Stream, Add	13.35	
23 33 13 16-0073 EA 36" x 10" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	133.20	28.79
For Horizontal, Add	7.03	
For Dynamic Damper, Add	10.54	
For 3 Hour Rated, Add	9.37	
For Damper Blades Outside Air Stream, Add	14.06	
23 33 13 16-0074 EA 36" x 12" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	142.48	30.63
For Horizontal, Add	7.56	
For Dynamic Damper, Add	11.33	
For 3 Hour Rated, Add	10.07	
For Damper Blades Outside Air Stream, Add	15.11	
23 33 13 16-0075 EA 36" x 14" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	155.74	34.53
For Horizontal, Add	7.82	
For Dynamic Damper, Add	11.73	
For 3 Hour Rated, Add	10.43	
For Damper Blades Outside Air Stream, Add	15.64	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 16-0076 EA 36" x 16" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	163.26	36.38
For Horizontal, Add	8.08	
For Dynamic Damper, Add	12.13	
For 3 Hour Rated, Add	10.78	
For Damper Blades Outside Air Stream, Add	16.17	
23 33 13 16-0077 EA 36" x 18" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	186.38	42.14
For Horizontal, Add	8.96	
For Dynamic Damper, Add	13.44	
For 3 Hour Rated, Add	11.95	
For Damper Blades Outside Air Stream, Add	17.92	
23 33 13 16-0078 EA 36" x 20" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	203.75	46.05
For Horizontal, Add	9.84	
For Dynamic Damper, Add	14.76	
For 3 Hour Rated, Add	13.12	
For Damper Blades Outside Air Stream, Add	19.68	
23 33 13 16-0079 EA 36" x 24" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	184.26	47.55
For Horizontal, Add	6.23	
For Dynamic Damper, Add	9.34	
For 3 Hour Rated, Add	8.30	
For Damper Blades Outside Air Stream, Add	12.45	
23 33 13 16-0080 EA 36" x 28" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	235.11	51.00
For Horizontal, Add	12.30	
For Dynamic Damper, Add	18.45	
For 3 Hour Rated, Add	16.40	
For Damper Blades Outside Air Stream, Add	24.60	
23 33 13 16-0081 EA 36" x 32" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	251.38	53.66
For Horizontal, Add	13.53	
For Dynamic Damper, Add	20.29	
For 3 Hour Rated, Add	18.04	
For Damper Blades Outside Air Stream, Add	27.06	
23 33 13 16-0082 EA 36" x 36" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	266.50	55.60
For Horizontal, Add	14.93	
For Dynamic Damper, Add	22.40	
For 3 Hour Rated, Add	19.91	
For Damper Blades Outside Air Stream, Add	29.87	
23 33 13 16-0083 EA 40" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	123.92	28.79
For Horizontal, Add	6.50	
For Dynamic Damper, Add	9.75	
For 3 Hour Rated, Add	8.67	
For Damper Blades Outside Air Stream, Add	13.00	
23 33 13 16-0084 EA 40" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	134.37	30.63
For Horizontal, Add	7.20	
For Dynamic Damper, Add	10.80	
For 3 Hour Rated, Add	9.60	
For Damper Blades Outside Air Stream, Add	14.41	
23 33 13 16-0085 EA 40" x 10" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	141.30	32.59
For Horizontal, Add	7.38	
For Dynamic Damper, Add	11.07	
For 3 Hour Rated, Add	9.84	
For Damper Blades Outside Air Stream, Add	14.76	
23 33 13 16-0086 EA 40" x 12" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	148.24	34.53
For Horizontal, Add	7.56	
For Dynamic Damper, Add	11.33	
For 3 Hour Rated, Add	10.07	
For Damper Blades Outside Air Stream, Add	15.11	
23 33 13 16-0087 EA 40" x 14" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	163.84	36.38
For Horizontal, Add	8.17	
For Dynamic Damper, Add	12.26	
For 3 Hour Rated, Add	10.89	
For Damper Blades Outside Air Stream, Add	16.34	
23 33 13 16-0088 EA 40" x 16" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	173.70	38.34
For Horizontal, Add	8.79	
For Dynamic Damper, Add	13.18	
For 3 Hour Rated, Add	11.71	
For Damper Blades Outside Air Stream, Add	17.57	
23 33 13 16-0089 EA 40" x 18" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	195.65	44.09
For Horizontal, Add	9.49	
For Dynamic Damper, Add	14.23	
For 3 Hour Rated, Add	12.65	
For Damper Blades Outside Air Stream, Add	18.98	
23 33 13 16-0090 EA 40" x 20" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	211.86	47.90
For Horizontal, Add	10.19	
For Dynamic Damper, Add	15.29	
For 3 Hour Rated, Add	13.59	
For Damper Blades Outside Air Stream, Add	20.38	
23 33 13 16-0091 EA 40" x 24" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	228.09	51.00
For Horizontal, Add	11.25	
For Dynamic Damper, Add	16.87	
For 3 Hour Rated, Add	14.99	
For Damper Blades Outside Air Stream, Add	22.49	
23 33 13 16-0092 EA 40" x 28" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	249.04	53.66
For Horizontal, Add	13.18	
For Dynamic Damper, Add	19.77	
For 3 Hour Rated, Add	17.57	
For Damper Blades Outside Air Stream, Add	26.36	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 33 Air Duct Accessories**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 16-0093	EA		40" x 32" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	265.26	56.76
			<i>For Horizontal, Add</i>	14.23	
			<i>For Dynamic Damper, Add</i>	21.35	
			<i>For 3 Hour Rated, Add</i>	18.97	
			<i>For Damper Blades Outside Air Stream, Add</i>	28.46	
23 33 13 16-0094	EA		40" x 36" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	282.76	58.26
			<i>For Horizontal, Add</i>	16.16	
			<i>For Dynamic Damper, Add</i>	24.25	
			<i>For 3 Hour Rated, Add</i>	21.55	
			<i>For Damper Blades Outside Air Stream, Add</i>	32.33	
23 33 13 16-0095	EA		40" x 40" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	303.69	61.36
			<i>For Horizontal, Add</i>	17.92	
			<i>For Dynamic Damper, Add</i>	26.88	
			<i>For 3 Hour Rated, Add</i>	23.90	
			<i>For Damper Blades Outside Air Stream, Add</i>	35.84	
23 33 13 16-0096	EA		44" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	132.03	28.79
			<i>For Horizontal, Add</i>	6.85	
			<i>For Dynamic Damper, Add</i>	10.28	
			<i>For 3 Hour Rated, Add</i>	9.14	
			<i>For Damper Blades Outside Air Stream, Add</i>	13.70	
23 33 13 16-0097	EA		44" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	142.48	30.63
			<i>For Horizontal, Add</i>	7.56	
			<i>For Dynamic Damper, Add</i>	11.33	
			<i>For 3 Hour Rated, Add</i>	10.07	
			<i>For Damper Blades Outside Air Stream, Add</i>	15.11	
23 33 13 16-0098	EA		44" x 10" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	151.76	32.59
			<i>For Horizontal, Add</i>	8.08	
			<i>For Dynamic Damper, Add</i>	12.13	
			<i>For 3 Hour Rated, Add</i>	10.78	
			<i>For Damper Blades Outside Air Stream, Add</i>	16.17	
23 33 13 16-0099	EA		44" x 12" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	158.67	34.53
			<i>For Horizontal, Add</i>	8.26	
			<i>For Dynamic Damper, Add</i>	12.39	
			<i>For 3 Hour Rated, Add</i>	11.01	
			<i>For Damper Blades Outside Air Stream, Add</i>	16.52	
23 33 13 16-0100	EA		44" x 14" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	169.11	36.38
			<i>For Horizontal, Add</i>	8.96	
			<i>For Dynamic Damper, Add</i>	13.44	
			<i>For 3 Hour Rated, Add</i>	11.95	
			<i>For Damper Blades Outside Air Stream, Add</i>	17.92	
23 33 13 16-0101	EA		44" x 16" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	179.56	38.34
			<i>For Horizontal, Add</i>	9.66	
			<i>For Dynamic Damper, Add</i>	14.50	
			<i>For 3 Hour Rated, Add</i>	12.89	
			<i>For Damper Blades Outside Air Stream, Add</i>	19.33	
23 33 13 16-0102	EA		44" x 18" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	208.45	46.05
			<i>For Horizontal, Add</i>	10.54	
			<i>For Dynamic Damper, Add</i>	15.82	
			<i>For 3 Hour Rated, Add</i>	14.06	
			<i>For Damper Blades Outside Air Stream, Add</i>	21.09	
23 33 13 16-0103	EA		44" x 20" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	225.80	49.85
			<i>For Horizontal, Add</i>	11.42	
			<i>For Dynamic Damper, Add</i>	17.13	
			<i>For 3 Hour Rated, Add</i>	15.23	
			<i>For Damper Blades Outside Air Stream, Add</i>	22.84	
23 33 13 16-0104	EA		44" x 24" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	249.04	53.66
			<i>For Horizontal, Add</i>	13.18	
			<i>For Dynamic Damper, Add</i>	19.77	
			<i>For 3 Hour Rated, Add</i>	17.57	
			<i>For Damper Blades Outside Air Stream, Add</i>	26.36	
23 33 13 16-0105	EA		44" x 28" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	271.08	57.56
			<i>For Horizontal, Add</i>	14.76	
			<i>For Dynamic Damper, Add</i>	22.14	
			<i>For 3 Hour Rated, Add</i>	19.68	
			<i>For Damper Blades Outside Air Stream, Add</i>	29.52	
23 33 13 16-0106	EA		44" x 32" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	294.31	61.36
			<i>For Horizontal, Add</i>	16.52	
			<i>For Dynamic Damper, Add</i>	24.77	
			<i>For 3 Hour Rated, Add</i>	22.02	
			<i>For Damper Blades Outside Air Stream, Add</i>	33.03	
23 33 13 16-0107	EA		44" x 36" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	310.60	63.21
			<i>For Horizontal, Add</i>	18.10	
			<i>For Dynamic Damper, Add</i>	27.14	
			<i>For 3 Hour Rated, Add</i>	24.13	
			<i>For Damper Blades Outside Air Stream, Add</i>	36.19	
23 33 13 16-0108	EA		44" x 40" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	326.90	65.16
			<i>For Horizontal, Add</i>	19.68	
			<i>For Dynamic Damper, Add</i>	29.52	
			<i>For 3 Hour Rated, Add</i>	26.24	
			<i>For Damper Blades Outside Air Stream, Add</i>	39.35	
23 33 13 16-0109	EA		44" x 44" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	343.22	67.12
			<i>For Horizontal, Add</i>	21.26	
			<i>For Dynamic Damper, Add</i>	31.89	
			<i>For 3 Hour Rated, Add</i>	28.35	
			<i>For Damper Blades Outside Air Stream, Add</i>	42.52	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 16-0110 EA 48" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	141.30	30.63
For Horizontal, Add	7.38	
For Dynamic Damper, Add	11.07	
For 3 Hour Rated, Add	9.84	
For Damper Blades Outside Air Stream, Add	14.76	
23 33 13 16-0111 EA 48" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	151.76	32.59
For Horizontal, Add	8.08	
For Dynamic Damper, Add	12.13	
For 3 Hour Rated, Add	10.78	
For Damper Blades Outside Air Stream, Add	16.17	
23 33 13 16-0112 EA 48" x 10" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	158.67	34.53
For Horizontal, Add	8.26	
For Dynamic Damper, Add	12.39	
For 3 Hour Rated, Add	11.01	
For Damper Blades Outside Air Stream, Add	16.52	
23 33 13 16-0113 EA 48" x 12" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	173.70	38.34
For Horizontal, Add	8.79	
For Dynamic Damper, Add	13.18	
For 3 Hour Rated, Add	11.71	
For Damper Blades Outside Air Stream, Add	17.57	
23 33 13 16-0114 EA 48" x 14" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	189.89	42.14
For Horizontal, Add	9.49	
For Dynamic Damper, Add	14.23	
For 3 Hour Rated, Add	12.65	
For Damper Blades Outside Air Stream, Add	18.98	
23 33 13 16-0115 EA 48" x 16" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	206.10	46.05
For Horizontal, Add	10.19	
For Dynamic Damper, Add	15.29	
For 3 Hour Rated, Add	13.59	
For Damper Blades Outside Air Stream, Add	20.38	
23 33 13 16-0116 EA 48" x 18" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	224.64	49.85
For Horizontal, Add	11.25	
For Dynamic Damper, Add	16.87	
For 3 Hour Rated, Add	14.99	
For Damper Blades Outside Air Stream, Add	22.49	
23 33 13 16-0117 EA 48" x 20" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	243.18	53.66
For Horizontal, Add	12.30	
For Dynamic Damper, Add	18.45	
For 3 Hour Rated, Add	16.40	
For Damper Blades Outside Air Stream, Add	24.60	
23 33 13 16-0118 EA 48" x 24" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	265.22	57.56
For Horizontal, Add	13.88	
For Dynamic Damper, Add	20.82	
For 3 Hour Rated, Add	18.51	
For Damper Blades Outside Air Stream, Add	27.76	
23 33 13 16-0119 EA 48" x 28" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	289.62	61.36
For Horizontal, Add	15.81	
For Dynamic Damper, Add	23.72	
For 3 Hour Rated, Add	21.08	
For Damper Blades Outside Air Stream, Add	31.62	
23 33 13 16-0120 EA 48" x 32" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	305.93	63.21
For Horizontal, Add	17.40	
For Dynamic Damper, Add	26.09	
For 3 Hour Rated, Add	23.19	
For Damper Blades Outside Air Stream, Add	34.79	
23 33 13 16-0121 EA 48" x 36" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	325.73	65.16
For Horizontal, Add	19.50	
For Dynamic Damper, Add	29.25	
For 3 Hour Rated, Add	26.00	
For Damper Blades Outside Air Stream, Add	39.00	
23 33 13 16-0122 EA 48" x 40" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	347.80	68.96
For Horizontal, Add	21.08	
For Dynamic Damper, Add	31.63	
For 3 Hour Rated, Add	28.11	
For Damper Blades Outside Air Stream, Add	42.17	
23 33 13 16-0123 EA 48" x 44" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	367.61	70.92
For Horizontal, Add	23.19	
For Dynamic Damper, Add	34.79	
For 3 Hour Rated, Add	30.92	
For Damper Blades Outside Air Stream, Add	46.39	
23 33 13 16-0124 EA 48" x 48" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	394.24	76.68
For Horizontal, Add	24.60	
For Dynamic Damper, Add	36.90	
For 3 Hour Rated, Add	32.80	
For Damper Blades Outside Air Stream, Add	49.19	
23 33 13 16-0125 EA 52" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	150.58	32.59
For Horizontal, Add	7.91	
For Dynamic Damper, Add	11.86	
For 3 Hour Rated, Add	10.54	
For Damper Blades Outside Air Stream, Add	15.81	
23 33 13 16-0126 EA 52" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	161.01	34.53
For Horizontal, Add	8.61	
For Dynamic Damper, Add	12.92	
For 3 Hour Rated, Add	11.48	
For Damper Blades Outside Air Stream, Add	17.22	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 33 Air Duct Accessories**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 16-0127	EA		52" x 10" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	177.21	38.34
			<i>For Horizontal, Add</i>	9.31	
			<i>For Dynamic Damper, Add</i>	13.97	
			<i>For 3 Hour Rated, Add</i>	12.42	
			<i>For Damper Blades Outside Air Stream, Add</i>	18.62	
23 33 13 16-0128	EA		52" x 12" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	189.89	42.14
			<i>For Horizontal, Add</i>	9.49	
			<i>For Dynamic Damper, Add</i>	14.23	
			<i>For 3 Hour Rated, Add</i>	12.65	
			<i>For Damper Blades Outside Air Stream, Add</i>	18.98	
23 33 13 16-0129	EA		52" x 14" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	206.69	46.05
			<i>For Horizontal, Add</i>	10.28	
			<i>For Dynamic Damper, Add</i>	15.42	
			<i>For 3 Hour Rated, Add</i>	13.71	
			<i>For Damper Blades Outside Air Stream, Add</i>	20.56	
23 33 13 16-0130	EA		52" x 16" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	223.47	49.85
			<i>For Horizontal, Add</i>	11.07	
			<i>For Dynamic Damper, Add</i>	16.61	
			<i>For 3 Hour Rated, Add</i>	14.76	
			<i>For Damper Blades Outside Air Stream, Add</i>	22.14	
23 33 13 16-0131	EA		52" x 18" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	242.02	53.66
			<i>For Horizontal, Add</i>	12.12	
			<i>For Dynamic Damper, Add</i>	18.19	
			<i>For 3 Hour Rated, Add</i>	16.17	
			<i>For Damper Blades Outside Air Stream, Add</i>	24.25	
23 33 13 16-0132	EA		52" x 20" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	260.54	57.56
			<i>For Horizontal, Add</i>	13.18	
			<i>For Dynamic Damper, Add</i>	19.77	
			<i>For 3 Hour Rated, Add</i>	17.57	
			<i>For Damper Blades Outside Air Stream, Add</i>	26.36	
23 33 13 16-0133	EA		52" x 24" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	282.60	61.36
			<i>For Horizontal, Add</i>	14.76	
			<i>For Dynamic Damper, Add</i>	22.14	
			<i>For 3 Hour Rated, Add</i>	19.68	
			<i>For Damper Blades Outside Air Stream, Add</i>	29.52	
23 33 13 16-0134	EA		52" x 28" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	308.17	65.16
			<i>For Horizontal, Add</i>	16.87	
			<i>For Dynamic Damper, Add</i>	25.30	
			<i>For 3 Hour Rated, Add</i>	22.49	
			<i>For Damper Blades Outside Air Stream, Add</i>	33.74	
23 33 13 16-0135	EA		52" x 32" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	325.63	67.12
			<i>For Horizontal, Add</i>	18.62	
			<i>For Dynamic Damper, Add</i>	27.93	
			<i>For 3 Hour Rated, Add</i>	24.83	
			<i>For Damper Blades Outside Air Stream, Add</i>	37.25	
23 33 13 16-0136	EA		52" x 36" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	346.63	68.96
			<i>For Horizontal, Add</i>	20.91	
			<i>For Dynamic Damper, Add</i>	31.36	
			<i>For 3 Hour Rated, Add</i>	27.88	
			<i>For Damper Blades Outside Air Stream, Add</i>	41.82	
23 33 13 16-0137	EA		52" x 40" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	372.18	72.88
			<i>For Horizontal, Add</i>	23.01	
			<i>For Dynamic Damper, Add</i>	34.52	
			<i>For 3 Hour Rated, Add</i>	30.69	
			<i>For Damper Blades Outside Air Stream, Add</i>	46.03	
23 33 13 16-0138	EA		52" x 44" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	394.24	76.68
			<i>For Horizontal, Add</i>	24.60	
			<i>For Dynamic Damper, Add</i>	36.90	
			<i>For 3 Hour Rated, Add</i>	32.80	
			<i>For Damper Blades Outside Air Stream, Add</i>	49.19	
23 33 13 16-0139	EA		52" x 48" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	425.57	82.43
			<i>For Horizontal, Add</i>	26.71	
			<i>For Dynamic Damper, Add</i>	40.06	
			<i>For 3 Hour Rated, Add</i>	35.61	
			<i>For Damper Blades Outside Air Stream, Add</i>	53.41	
23 33 13 16-0140	EA		52" x 52" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	448.79	86.23
			<i>For Horizontal, Add</i>	28.46	
			<i>For Dynamic Damper, Add</i>	42.69	
			<i>For 3 Hour Rated, Add</i>	37.95	
			<i>For Damper Blades Outside Air Stream, Add</i>	56.93	
23 33 13 16-0141	EA		56" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	158.67	34.53
			<i>For Horizontal, Add</i>	8.26	
			<i>For Dynamic Damper, Add</i>	12.39	
			<i>For 3 Hour Rated, Add</i>	11.01	
			<i>For Damper Blades Outside Air Stream, Add</i>	16.52	
23 33 13 16-0142	EA		56" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	176.04	38.34
			<i>For Horizontal, Add</i>	9.14	
			<i>For Dynamic Damper, Add</i>	13.70	
			<i>For 3 Hour Rated, Add</i>	12.18	
			<i>For Damper Blades Outside Air Stream, Add</i>	18.27	
23 33 13 16-0143	EA		56" x 10" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	191.07	42.14
			<i>For Horizontal, Add</i>	9.66	
			<i>For Dynamic Damper, Add</i>	14.50	
			<i>For 3 Hour Rated, Add</i>	12.89	
			<i>For Damper Blades Outside Air Stream, Add</i>	19.33	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 16-0144 EA 56" x 12" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	203.75	46.05
<i>For Horizontal, Add</i>	9.84	
<i>For Dynamic Damper, Add</i>	14.76	
<i>For 3 Hour Rated, Add</i>	13.12	
<i>For Damper Blades Outside Air Stream, Add</i>	19.68	
23 33 13 16-0145 EA 56" x 14" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	221.71	49.85
<i>For Horizontal, Add</i>	10.81	
<i>For Dynamic Damper, Add</i>	16.21	
<i>For 3 Hour Rated, Add</i>	14.41	
<i>For Damper Blades Outside Air Stream, Add</i>	21.61	
23 33 13 16-0146 EA 56" x 16" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	239.67	53.66
<i>For Horizontal, Add</i>	11.77	
<i>For Dynamic Damper, Add</i>	17.66	
<i>For 3 Hour Rated, Add</i>	15.70	
<i>For Damper Blades Outside Air Stream, Add</i>	23.54	
23 33 13 16-0147 EA 56" x 18" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	257.61	57.56
<i>For Horizontal, Add</i>	12.74	
<i>For Dynamic Damper, Add</i>	19.11	
<i>For 3 Hour Rated, Add</i>	16.98	
<i>For Damper Blades Outside Air Stream, Add</i>	25.48	
23 33 13 16-0148 EA 56" x 20" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	275.57	61.36
<i>For Horizontal, Add</i>	13.70	
<i>For Dynamic Damper, Add</i>	20.56	
<i>For 3 Hour Rated, Add</i>	18.27	
<i>For Damper Blades Outside Air Stream, Add</i>	27.41	
23 33 13 16-0149 EA 56" x 24" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	301.13	65.16
<i>For Horizontal, Add</i>	15.81	
<i>For Dynamic Damper, Add</i>	23.72	
<i>For 3 Hour Rated, Add</i>	21.08	
<i>For Damper Blades Outside Air Stream, Add</i>	31.62	
23 33 13 16-0150 EA 56" x 28" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	320.96	67.12
<i>For Horizontal, Add</i>	17.92	
<i>For Dynamic Damper, Add</i>	26.88	
<i>For 3 Hour Rated, Add</i>	23.90	
<i>For Damper Blades Outside Air Stream, Add</i>	35.84	
23 33 13 16-0151 EA 56" x 32" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	339.60	68.96
<i>For Horizontal, Add</i>	19.85	
<i>For Dynamic Damper, Add</i>	29.78	
<i>For 3 Hour Rated, Add</i>	26.47	
<i>For Damper Blades Outside Air Stream, Add</i>	39.71	
23 33 13 16-0152 EA 56" x 36" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	367.51	72.88
<i>For Horizontal, Add</i>	22.31	
<i>For Dynamic Damper, Add</i>	33.47	
<i>For 3 Hour Rated, Add</i>	29.75	
<i>For Damper Blades Outside Air Stream, Add</i>	44.63	
23 33 13 16-0153 EA 56" x 40" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	393.07	76.68
<i>For Horizontal, Add</i>	24.42	
<i>For Dynamic Damper, Add</i>	36.63	
<i>For 3 Hour Rated, Add</i>	32.56	
<i>For Damper Blades Outside Air Stream, Add</i>	48.84	
23 33 13 16-0154 EA 56" x 44" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	419.81	80.47
<i>For Horizontal, Add</i>	26.71	
<i>For Dynamic Damper, Add</i>	40.06	
<i>For 3 Hour Rated, Add</i>	35.61	
<i>For Damper Blades Outside Air Stream, Add</i>	53.41	
23 33 13 16-0155 EA 56" x 48" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	443.04	84.39
<i>For Horizontal, Add</i>	28.46	
<i>For Dynamic Damper, Add</i>	42.69	
<i>For 3 Hour Rated, Add</i>	37.95	
<i>For Damper Blades Outside Air Stream, Add</i>	56.93	
23 33 13 16-0156 EA 56" x 52" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	469.78	88.19
<i>For Horizontal, Add</i>	30.75	
<i>For Dynamic Damper, Add</i>	46.12	
<i>For 3 Hour Rated, Add</i>	41.00	
<i>For Damper Blades Outside Air Stream, Add</i>	61.49	
23 33 13 16-0157 EA 56" x 56" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	496.53	91.99
<i>For Horizontal, Add</i>	33.03	
<i>For Dynamic Damper, Add</i>	49.55	
<i>For 3 Hour Rated, Add</i>	44.04	
<i>For Damper Blades Outside Air Stream, Add</i>	66.06	
23 33 13 16-0158 EA 60" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	173.70	38.34
<i>For Horizontal, Add</i>	8.79	
<i>For Dynamic Damper, Add</i>	13.18	
<i>For 3 Hour Rated, Add</i>	11.71	
<i>For Damper Blades Outside Air Stream, Add</i>	17.57	
23 33 13 16-0159 EA 60" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	191.07	42.14
<i>For Horizontal, Add</i>	9.66	
<i>For Dynamic Damper, Add</i>	14.50	
<i>For 3 Hour Rated, Add</i>	12.89	
<i>For Damper Blades Outside Air Stream, Add</i>	19.33	
23 33 13 16-0160 EA 60" x 10" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	204.93	46.05
<i>For Horizontal, Add</i>	10.02	
<i>For Dynamic Damper, Add</i>	15.02	
<i>For 3 Hour Rated, Add</i>	13.35	
<i>For Damper Blades Outside Air Stream, Add</i>	20.03	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 33 Air Duct Accessories**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 16-0161 EA 60" x 12" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	217.61	49.85
For Horizontal, Add	10.19	
For Dynamic Damper, Add	15.29	
For 3 Hour Rated, Add	13.59	
For Damper Blades Outside Air Stream, Add	20.38	
23 33 13 16-0162 EA 60" x 14" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	236.16	53.66
For Horizontal, Add	11.25	
For Dynamic Damper, Add	16.87	
For 3 Hour Rated, Add	14.99	
For Damper Blades Outside Air Stream, Add	22.49	
23 33 13 16-0163 EA 60" x 16" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	254.68	57.56
For Horizontal, Add	12.30	
For Dynamic Damper, Add	18.45	
For 3 Hour Rated, Add	16.40	
For Damper Blades Outside Air Stream, Add	24.60	
23 33 13 16-0164 EA 60" x 18" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	273.82	61.36
For Horizontal, Add	13.44	
For Dynamic Damper, Add	20.16	
For 3 Hour Rated, Add	17.92	
For Damper Blades Outside Air Stream, Add	26.88	
23 33 13 16-0165 EA 60" x 20" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	292.94	65.16
For Horizontal, Add	14.58	
For Dynamic Damper, Add	21.87	
For 3 Hour Rated, Add	19.44	
For Damper Blades Outside Air Stream, Add	29.17	
23 33 13 16-0166 EA 60" x 24" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	313.93	67.12
For Horizontal, Add	16.87	
For Dynamic Damper, Add	25.30	
For 3 Hour Rated, Add	22.49	
For Damper Blades Outside Air Stream, Add	33.74	
23 33 13 16-0167 EA 60" x 28" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	333.74	68.96
For Horizontal, Add	18.98	
For Dynamic Damper, Add	28.46	
For 3 Hour Rated, Add	25.30	
For Damper Blades Outside Air Stream, Add	37.95	
23 33 13 16-0168 EA 60" x 32" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	360.49	72.88
For Horizontal, Add	21.26	
For Dynamic Damper, Add	31.89	
For 3 Hour Rated, Add	28.35	
For Damper Blades Outside Air Stream, Add	42.52	
23 33 13 16-0169 EA 60" x 36" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	387.22	76.68
For Horizontal, Add	23.54	
For Dynamic Damper, Add	35.32	
For 3 Hour Rated, Add	31.39	
For Damper Blades Outside Air Stream, Add	47.09	
23 33 13 16-0170 EA 60" x 40" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	410.44	80.47
For Horizontal, Add	25.30	
For Dynamic Damper, Add	37.95	
For 3 Hour Rated, Add	33.73	
For Damper Blades Outside Air Stream, Add	50.60	
23 33 13 16-0171 EA 60" x 44" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	440.70	84.39
For Horizontal, Add	28.11	
For Dynamic Damper, Add	42.17	
For 3 Hour Rated, Add	37.48	
For Damper Blades Outside Air Stream, Add	56.22	
23 33 13 16-0172 EA 60" x 48" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	468.61	88.19
For Horizontal, Add	30.57	
For Dynamic Damper, Add	45.86	
For 3 Hour Rated, Add	40.76	
For Damper Blades Outside Air Stream, Add	61.14	
23 33 13 16-0173 EA 60" x 52" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	496.53	91.99
For Horizontal, Add	33.03	
For Dynamic Damper, Add	49.55	
For 3 Hour Rated, Add	44.04	
For Damper Blades Outside Air Stream, Add	66.06	
23 33 13 16-0174 EA 60" x 56" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	522.08	95.91
For Horizontal, Add	35.14	
For Dynamic Damper, Add	52.71	
For 3 Hour Rated, Add	46.85	
For Damper Blades Outside Air Stream, Add	70.28	
23 33 13 16-0175 EA 60" x 60" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	547.66	99.70
For Horizontal, Add	37.25	
For Dynamic Damper, Add	55.87	
For 3 Hour Rated, Add	49.66	
For Damper Blades Outside Air Stream, Add	74.50	
23 33 13 16-0176 Parallel Blade Louver Fire Damper <small>(23 33 13 16)</small>		
Note: UL listed. Galvanized steel construction with fusible link 160 F spring actuated 1-1/2 hour fire rating.		
23 33 13 16-0177 EA 6" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	72.28	12.78
For Horizontal, Add	5.09	
For Dynamic Damper, Add	7.64	
For 3 Hour Rated, Add	6.79	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 16-0178	EA			8" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	75.45	13.35
				<i>For Horizontal, Add</i>	5.31	
				<i>For Dynamic Damper, Add</i>	7.96	
				<i>For 3 Hour Rated, Add</i>	7.08	
23 33 13 16-0179	EA			8" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	77.15	13.47
				<i>For Horizontal, Add</i>	5.53	
				<i>For Dynamic Damper, Add</i>	8.29	
				<i>For 3 Hour Rated, Add</i>	7.37	
23 33 13 16-0180	EA			10" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	77.15	13.47
				<i>For Horizontal, Add</i>	5.53	
				<i>For Dynamic Damper, Add</i>	8.29	
				<i>For 3 Hour Rated, Add</i>	7.37	
23 33 13 16-0181	EA			10" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	79.78	13.82
				<i>For Horizontal, Add</i>	5.75	
				<i>For Dynamic Damper, Add</i>	8.62	
				<i>For 3 Hour Rated, Add</i>	7.67	
23 33 13 16-0182	EA			10" x 10" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	87.30	15.31
				<i>For Horizontal, Add</i>	6.19	
				<i>For Dynamic Damper, Add</i>	9.28	
				<i>For 3 Hour Rated, Add</i>	8.25	
23 33 13 16-0183	EA			12" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	79.78	13.82
				<i>For Horizontal, Add</i>	5.75	
				<i>For Dynamic Damper, Add</i>	8.62	
				<i>For 3 Hour Rated, Add</i>	7.67	
23 33 13 16-0184	EA			12" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	85.00	14.62
				<i>For Horizontal, Add</i>	6.19	
				<i>For Dynamic Damper, Add</i>	9.28	
				<i>For 3 Hour Rated, Add</i>	8.25	
23 33 13 16-0185	EA			12" x 10" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	88.77	15.31
				<i>For Horizontal, Add</i>	6.41	
				<i>For Dynamic Damper, Add</i>	9.61	
				<i>For 3 Hour Rated, Add</i>	8.54	
23 33 13 16-0186	EA			12" x 12" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	95.99	17.27
				<i>For Horizontal, Add</i>	6.63	
				<i>For Dynamic Damper, Add</i>	9.94	
				<i>For 3 Hour Rated, Add</i>	8.84	
23 33 13 16-0187	EA			14" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	84.27	14.62
				<i>For Horizontal, Add</i>	6.08	
				<i>For Dynamic Damper, Add</i>	9.12	
				<i>For 3 Hour Rated, Add</i>	8.10	
23 33 13 16-0188	EA			14" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	88.77	15.31
				<i>For Horizontal, Add</i>	6.41	
				<i>For Dynamic Damper, Add</i>	9.61	
				<i>For 3 Hour Rated, Add</i>	8.54	
23 33 13 16-0189	EA			14" x 10" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	92.53	16.12
				<i>For Horizontal, Add</i>	6.63	
				<i>For Dynamic Damper, Add</i>	9.94	
				<i>For 3 Hour Rated, Add</i>	8.84	
23 33 13 16-0190	EA			14" x 12" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	97.45	17.27
				<i>For Horizontal, Add</i>	6.85	
				<i>For Dynamic Damper, Add</i>	10.27	
				<i>For 3 Hour Rated, Add</i>	9.13	
23 33 13 16-0191	EA			14" x 14" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	106.87	19.23
				<i>For Horizontal, Add</i>	7.40	
				<i>For Dynamic Damper, Add</i>	11.09	
				<i>For 3 Hour Rated, Add</i>	9.86	
23 33 13 16-0192	EA			16" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	105.71	15.31
				<i>For Horizontal, Add</i>	8.95	
				<i>For Dynamic Damper, Add</i>	13.42	
				<i>For 3 Hour Rated, Add</i>	11.93	
23 33 13 16-0193	EA			16" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	110.81	16.47
				<i>For Horizontal, Add</i>	9.20	
				<i>For Dynamic Damper, Add</i>	13.79	
				<i>For 3 Hour Rated, Add</i>	12.26	
23 33 13 16-0194	EA			16" x 10" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	117.06	18.08
				<i>For Horizontal, Add</i>	9.44	
				<i>For Dynamic Damper, Add</i>	14.16	
				<i>For 3 Hour Rated, Add</i>	12.59	
23 33 13 16-0195	EA			16" x 12" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	122.14	19.23
				<i>For Horizontal, Add</i>	9.69	
				<i>For Dynamic Damper, Add</i>	14.53	
				<i>For 3 Hour Rated, Add</i>	12.92	
23 33 13 16-0196	EA			16" x 14" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	132.01	21.07
				<i>For Horizontal, Add</i>	10.30	
				<i>For Dynamic Damper, Add</i>	15.46	
				<i>For 3 Hour Rated, Add</i>	13.74	
23 33 13 16-0197	EA			16" x 16" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	141.87	23.03
				<i>For Horizontal, Add</i>	10.92	
				<i>For Dynamic Damper, Add</i>	16.38	
				<i>For 3 Hour Rated, Add</i>	14.56	
23 33 13 16-0198	EA			18" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	109.65	16.12
				<i>For Horizontal, Add</i>	9.20	
				<i>For Dynamic Damper, Add</i>	13.79	
				<i>For 3 Hour Rated, Add</i>	12.26	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 33 Air Duct Accessories**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 16-0199 EA 18" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	115.57	17.27
For Horizontal, Add	9.56	
For Dynamic Damper, Add	14.35	
For 3 Hour Rated, Add	12.75	
23 33 13 16-0200 EA 18" x 10" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	123.80	19.23
For Horizontal, Add	9.94	
For Dynamic Damper, Add	14.90	
For 3 Hour Rated, Add	13.25	
23 33 13 16-0201 EA 18" x 12" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	133.65	21.07
For Horizontal, Add	10.55	
For Dynamic Damper, Add	15.82	
For 3 Hour Rated, Add	14.07	
23 33 13 16-0202 EA 18" x 14" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	142.69	23.03
For Horizontal, Add	11.04	
For Dynamic Damper, Add	16.56	
For 3 Hour Rated, Add	14.72	
23 33 13 16-0203 EA 18" x 16" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	152.55	24.87
For Horizontal, Add	11.66	
For Dynamic Damper, Add	17.48	
For 3 Hour Rated, Add	15.54	
23 33 13 16-0204 EA 18" x 18" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	160.76	26.83
For Horizontal, Add	12.03	
For Dynamic Damper, Add	18.04	
For 3 Hour Rated, Add	16.03	
23 33 13 16-0205 EA 20" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	114.76	17.27
For Horizontal, Add	9.44	
For Dynamic Damper, Add	14.16	
For 3 Hour Rated, Add	12.59	
23 33 13 16-0206 EA 20" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	123.78	19.23
For Horizontal, Add	9.93	
For Dynamic Damper, Add	14.90	
For 3 Hour Rated, Add	13.24	
23 33 13 16-0207 EA 20" x 10" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	132.83	21.07
For Horizontal, Add	10.43	
For Dynamic Damper, Add	15.64	
For 3 Hour Rated, Add	13.90	
23 33 13 16-0208 EA 20" x 12" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	145.16	23.03
For Horizontal, Add	11.41	
For Dynamic Damper, Add	17.12	
For 3 Hour Rated, Add	15.22	
23 33 13 16-0209 EA 20" x 14" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	153.38	24.87
For Horizontal, Add	11.78	
For Dynamic Damper, Add	17.67	
For 3 Hour Rated, Add	15.71	
23 33 13 16-0210 EA 20" x 16" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	161.58	26.83
For Horizontal, Add	12.15	
For Dynamic Damper, Add	18.22	
For 3 Hour Rated, Add	16.20	
23 33 13 16-0211 EA 20" x 18" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	170.62	28.79
For Horizontal, Add	12.64	
For Dynamic Damper, Add	18.96	
For 3 Hour Rated, Add	16.85	
23 33 13 16-0212 EA 20" x 20" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	179.65	30.63
For Horizontal, Add	13.13	
For Dynamic Damper, Add	19.70	
For 3 Hour Rated, Add	17.51	
23 33 13 16-0213 EA 24" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	138.86	19.23
For Horizontal, Add	12.20	
For Dynamic Damper, Add	18.29	
For 3 Hour Rated, Add	16.26	
23 33 13 16-0214 EA 24" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	149.55	21.07
For Horizontal, Add	12.93	
For Dynamic Damper, Add	19.40	
For 3 Hour Rated, Add	17.25	
23 33 13 16-0215 EA 24" x 10" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	158.60	23.03
For Horizontal, Add	13.43	
For Dynamic Damper, Add	20.14	
For 3 Hour Rated, Add	17.90	
23 33 13 16-0216 EA 24" x 12" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	169.26	24.87
For Horizontal, Add	14.16	
For Dynamic Damper, Add	21.24	
For 3 Hour Rated, Add	18.88	
23 33 13 16-0217 EA 24" x 14" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	177.48	26.83
For Horizontal, Add	14.53	
For Dynamic Damper, Add	21.80	
For 3 Hour Rated, Add	19.38	
23 33 13 16-0218 EA 24" x 16" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	185.69	28.79
For Horizontal, Add	14.90	
For Dynamic Damper, Add	22.35	
For 3 Hour Rated, Add	19.87	
23 33 13 16-0219 EA 24" x 18" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	196.37	30.63
For Horizontal, Add	15.64	
For Dynamic Damper, Add	23.46	
For 3 Hour Rated, Add	20.85	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 16-0220 EA 24" x 20" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	212.79	34.53
<i>For Horizontal, Add</i>	16.38	
<i>For Dynamic Damper, Add</i>	24.57	
<i>For 3 Hour Rated, Add</i>	21.84	
23 33 13 16-0221 EA 24" x 24" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	230.87	38.34
<i>For Horizontal, Add</i>	17.36	
<i>For Dynamic Damper, Add</i>	26.04	
<i>For 3 Hour Rated, Add</i>	23.15	
23 33 13 16-0222 EA 28" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	149.55	21.07
<i>For Horizontal, Add</i>	12.93	
<i>For Dynamic Damper, Add</i>	19.40	
<i>For 3 Hour Rated, Add</i>	17.25	
23 33 13 16-0223 EA 28" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	158.60	23.03
<i>For Horizontal, Add</i>	13.43	
<i>For Dynamic Damper, Add</i>	20.14	
<i>For 3 Hour Rated, Add</i>	17.90	
23 33 13 16-0224 EA 28" x 10" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	169.26	24.87
<i>For Horizontal, Add</i>	14.16	
<i>For Dynamic Damper, Add</i>	21.24	
<i>For 3 Hour Rated, Add</i>	18.88	
23 33 13 16-0225 EA 28" x 12" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	178.29	26.83
<i>For Horizontal, Add</i>	14.66	
<i>For Dynamic Damper, Add</i>	21.98	
<i>For 3 Hour Rated, Add</i>	19.54	
23 33 13 16-0226 EA 28" x 14" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	188.16	28.79
<i>For Horizontal, Add</i>	15.27	
<i>For Dynamic Damper, Add</i>	22.91	
<i>For 3 Hour Rated, Add</i>	20.36	
23 33 13 16-0227 EA 28" x 16" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	198.00	30.63
<i>For Horizontal, Add</i>	15.88	
<i>For Dynamic Damper, Add</i>	23.83	
<i>For 3 Hour Rated, Add</i>	21.18	
23 33 13 16-0228 EA 28" x 18" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	214.43	34.53
<i>For Horizontal, Add</i>	16.62	
<i>For Dynamic Damper, Add</i>	24.93	
<i>For 3 Hour Rated, Add</i>	22.16	
23 33 13 16-0229 EA 28" x 20" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	230.87	38.34
<i>For Horizontal, Add</i>	17.36	
<i>For Dynamic Damper, Add</i>	26.04	
<i>For 3 Hour Rated, Add</i>	23.15	
23 33 13 16-0230 EA 28" x 24" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	246.47	40.29
<i>For Horizontal, Add</i>	18.84	
<i>For Dynamic Damper, Add</i>	28.26	
<i>For 3 Hour Rated, Add</i>	25.12	
23 33 13 16-0231 EA 28" x 28" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	266.18	44.09
<i>For Horizontal, Add</i>	20.07	
<i>For Dynamic Damper, Add</i>	30.10	
<i>For 3 Hour Rated, Add</i>	26.76	
23 33 13 16-0232 EA 32" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	163.50	23.03
<i>For Horizontal, Add</i>	14.16	
<i>For Dynamic Damper, Add</i>	21.24	
<i>For 3 Hour Rated, Add</i>	18.88	
23 33 13 16-0233 EA 32" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	170.89	24.87
<i>For Horizontal, Add</i>	14.41	
<i>For Dynamic Damper, Add</i>	21.61	
<i>For 3 Hour Rated, Add</i>	19.21	
23 33 13 16-0234 EA 32" x 10" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	178.29	26.83
<i>For Horizontal, Add</i>	14.66	
<i>For Dynamic Damper, Add</i>	21.98	
<i>For 3 Hour Rated, Add</i>	19.54	
23 33 13 16-0235 EA 32" x 12" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	187.32	28.79
<i>For Horizontal, Add</i>	15.15	
<i>For Dynamic Damper, Add</i>	22.72	
<i>For 3 Hour Rated, Add</i>	20.19	
23 33 13 16-0236 EA 32" x 14" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	198.31	30.63
<i>For Horizontal, Add</i>	15.93	
<i>For Dynamic Damper, Add</i>	23.90	
<i>For 3 Hour Rated, Add</i>	21.24	
23 33 13 16-0237 EA 32" x 16" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	214.43	34.53
<i>For Horizontal, Add</i>	16.62	
<i>For Dynamic Damper, Add</i>	24.93	
<i>For 3 Hour Rated, Add</i>	22.16	
23 33 13 16-0238 EA 32" x 18" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	232.52	38.34
<i>For Horizontal, Add</i>	17.61	
<i>For Dynamic Damper, Add</i>	26.41	
<i>For 3 Hour Rated, Add</i>	23.48	
23 33 13 16-0239 EA 32" x 20" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	250.59	42.14
<i>For Horizontal, Add</i>	18.59	
<i>For Dynamic Damper, Add</i>	27.89	
<i>For 3 Hour Rated, Add</i>	24.79	
23 33 13 16-0240 EA 32" x 24" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	266.18	44.09
<i>For Horizontal, Add</i>	20.07	
<i>For Dynamic Damper, Add</i>	30.10	
<i>For 3 Hour Rated, Add</i>	26.76	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 33 Air Duct Accessories**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 16-0241 EA 32" x 28" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	286.87	47.20
For Horizontal, Add	21.79	
For Dynamic Damper, Add	32.68	
For 3 Hour Rated, Add	29.05	
23 33 13 16-0242 EA 32" x 32" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	308.05	49.85
For Horizontal, Add	23.76	
For Dynamic Damper, Add	35.64	
For 3 Hour Rated, Add	31.68	
23 33 13 16-0243 EA 36" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	182.62	24.87
For Horizontal, Add	16.17	
For Dynamic Damper, Add	24.25	
For 3 Hour Rated, Add	21.56	
23 33 13 16-0244 EA 36" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	192.10	26.83
For Horizontal, Add	16.73	
For Dynamic Damper, Add	25.09	
For 3 Hour Rated, Add	22.30	
23 33 13 16-0245 EA 36" x 10" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	201.61	28.79
For Horizontal, Add	17.29	
For Dynamic Damper, Add	25.93	
For 3 Hour Rated, Add	23.05	
23 33 13 16-0246 EA 36" x 12" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	213.00	30.63
For Horizontal, Add	18.13	
For Dynamic Damper, Add	27.20	
For 3 Hour Rated, Add	24.18	
23 33 13 16-0247 EA 36" x 14" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	227.32	34.53
For Horizontal, Add	18.56	
For Dynamic Damper, Add	27.83	
For 3 Hour Rated, Add	24.74	
23 33 13 16-0248 EA 36" x 16" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	235.90	36.38
For Horizontal, Add	18.98	
For Dynamic Damper, Add	28.47	
For 3 Hour Rated, Add	25.31	
23 33 13 16-0249 EA 36" x 18" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	262.54	42.14
For Horizontal, Add	20.39	
For Dynamic Damper, Add	30.58	
For 3 Hour Rated, Add	27.18	
23 33 13 16-0250 EA 36" x 20" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	283.42	46.05
For Horizontal, Add	21.79	
For Dynamic Damper, Add	32.68	
For 3 Hour Rated, Add	29.05	
23 33 13 16-0251 EA 36" x 24" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	299.27	47.55
For Horizontal, Add	23.48	
For Dynamic Damper, Add	35.21	
For 3 Hour Rated, Add	31.30	
23 33 13 16-0252 EA 36" x 28" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	324.61	51.00
For Horizontal, Add	25.72	
For Dynamic Damper, Add	38.59	
For 3 Hour Rated, Add	34.30	
23 33 13 16-0253 EA 36" x 32" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	345.79	53.66
For Horizontal, Add	27.69	
For Dynamic Damper, Add	41.54	
For 3 Hour Rated, Add	36.92	
23 33 13 16-0254 EA 36" x 36" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	366.54	55.60
For Horizontal, Add	29.94	
For Dynamic Damper, Add	44.91	
For 3 Hour Rated, Add	39.92	
23 33 13 16-0255 EA 40" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	203.67	28.79
For Horizontal, Add	18.46	
For Dynamic Damper, Add	27.69	
For 3 Hour Rated, Add	24.62	
23 33 13 16-0256 EA 40" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	216.93	30.63
For Horizontal, Add	19.59	
For Dynamic Damper, Add	29.38	
For 3 Hour Rated, Add	26.12	
23 33 13 16-0257 EA 40" x 10" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	224.56	32.59
For Horizontal, Add	19.87	
For Dynamic Damper, Add	29.80	
For 3 Hour Rated, Add	26.49	
23 33 13 16-0258 EA 40" x 12" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	232.20	34.53
For Horizontal, Add	20.15	
For Dynamic Damper, Add	30.22	
For 3 Hour Rated, Add	26.87	
23 33 13 16-0259 EA 40" x 14" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	250.26	36.38
For Horizontal, Add	21.13	
For Dynamic Damper, Add	31.70	
For 3 Hour Rated, Add	28.18	
23 33 13 16-0260 EA 40" x 16" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	262.58	38.34
For Horizontal, Add	22.12	
For Dynamic Damper, Add	33.18	
For 3 Hour Rated, Add	29.49	
23 33 13 16-0261 EA 40" x 18" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	287.35	44.09
For Horizontal, Add	23.24	
For Dynamic Damper, Add	34.86	
For 3 Hour Rated, Add	30.99	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 16-0262 EA 40" x 20" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	306.36	47.90
<i>For Horizontal, Add</i>	24.37	
<i>For Dynamic Damper, Add</i>	36.55	
<i>For 3 Hour Rated, Add</i>	32.49	
23 33 13 16-0263 EA 40" x 24" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	326.81	51.00
<i>For Horizontal, Add</i>	26.05	
<i>For Dynamic Damper, Add</i>	39.08	
<i>For 3 Hour Rated, Add</i>	34.74	
23 33 13 16-0264 EA 40" x 28" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	355.49	53.66
<i>For Horizontal, Add</i>	29.15	
<i>For Dynamic Damper, Add</i>	43.72	
<i>For 3 Hour Rated, Add</i>	38.86	
23 33 13 16-0265 EA 40" x 32" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	375.93	56.76
<i>For Horizontal, Add</i>	30.83	
<i>For Dynamic Damper, Add</i>	46.25	
<i>For 3 Hour Rated, Add</i>	41.11	
23 33 13 16-0266 EA 40" x 36" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	401.16	58.26
<i>For Horizontal, Add</i>	33.92	
<i>For Dynamic Damper, Add</i>	50.89	
<i>For 3 Hour Rated, Add</i>	45.23	
23 33 13 16-0267 EA 40" x 40" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	429.11	61.36
<i>For Horizontal, Add</i>	36.74	
<i>For Dynamic Damper, Add</i>	55.10	
<i>For 3 Hour Rated, Add</i>	48.98	
23 33 13 16-0268 EA 44" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	213.18	28.79
<i>For Horizontal, Add</i>	19.02	
<i>For Dynamic Damper, Add</i>	28.54	
<i>For 3 Hour Rated, Add</i>	25.37	
23 33 13 16-0269 EA 44" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	226.44	30.63
<i>For Horizontal, Add</i>	20.15	
<i>For Dynamic Damper, Add</i>	30.22	
<i>For 3 Hour Rated, Add</i>	26.87	
23 33 13 16-0270 EA 44" x 10" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	237.83	32.59
<i>For Horizontal, Add</i>	20.99	
<i>For Dynamic Damper, Add</i>	31.49	
<i>For 3 Hour Rated, Add</i>	27.99	
23 33 13 16-0271 EA 44" x 12" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	245.44	34.53
<i>For Horizontal, Add</i>	21.27	
<i>For Dynamic Damper, Add</i>	31.91	
<i>For 3 Hour Rated, Add</i>	28.37	
23 33 13 16-0272 EA 44" x 14" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	258.70	36.38
<i>For Horizontal, Add</i>	22.40	
<i>For Dynamic Damper, Add</i>	33.60	
<i>For 3 Hour Rated, Add</i>	29.87	
23 33 13 16-0273 EA 44" x 16" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	271.96	38.34
<i>For Horizontal, Add</i>	23.52	
<i>For Dynamic Damper, Add</i>	35.29	
<i>For 3 Hour Rated, Add</i>	31.37	
23 33 13 16-0274 EA 44" x 18" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	304.36	46.05
<i>For Horizontal, Add</i>	24.93	
<i>For Dynamic Damper, Add</i>	37.40	
<i>For 3 Hour Rated, Add</i>	33.24	
23 33 13 16-0275 EA 44" x 20" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	325.23	49.85
<i>For Horizontal, Add</i>	26.33	
<i>For Dynamic Damper, Add</i>	39.50	
<i>For 3 Hour Rated, Add</i>	35.11	
23 33 13 16-0276 EA 44" x 24" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	355.49	53.66
<i>For Horizontal, Add</i>	29.15	
<i>For Dynamic Damper, Add</i>	43.72	
<i>For 3 Hour Rated, Add</i>	38.86	
23 33 13 16-0277 EA 44" x 28" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	383.86	57.56
<i>For Horizontal, Add</i>	31.68	
<i>For Dynamic Damper, Add</i>	47.51	
<i>For 3 Hour Rated, Add</i>	42.23	
23 33 13 16-0278 EA 44" x 32" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	414.11	61.36
<i>For Horizontal, Add</i>	34.49	
<i>For Dynamic Damper, Add</i>	51.73	
<i>For 3 Hour Rated, Add</i>	45.98	
23 33 13 16-0279 EA 44" x 36" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	436.73	63.21
<i>For Horizontal, Add</i>	37.02	
<i>For Dynamic Damper, Add</i>	55.52	
<i>For 3 Hour Rated, Add</i>	49.35	
23 33 13 16-0280 EA 44" x 40" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	459.36	65.16
<i>For Horizontal, Add</i>	39.55	
<i>For Dynamic Damper, Add</i>	59.32	
<i>For 3 Hour Rated, Add</i>	52.73	
23 33 13 16-0281 EA 44" x 44" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	482.00	67.12
<i>For Horizontal, Add</i>	42.08	
<i>For Dynamic Damper, Add</i>	63.12	
<i>For 3 Hour Rated, Add</i>	56.10	
23 33 13 16-0282 EA 48" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	224.56	30.63
<i>For Horizontal, Add</i>	19.87	
<i>For Dynamic Damper, Add</i>	29.80	
<i>For 3 Hour Rated, Add</i>	26.49	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 33 Air Duct Accessories**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 16-0283	EA		48" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	237.83	32.59
			<i>For Horizontal, Add</i>	20.99	
			<i>For Dynamic Damper, Add</i>	31.49	
			<i>For 3 Hour Rated, Add</i>	27.99	
23 33 13 16-0284	EA		48" x 10" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	245.44	34.53
			<i>For Horizontal, Add</i>	21.27	
			<i>For Dynamic Damper, Add</i>	31.91	
			<i>For 3 Hour Rated, Add</i>	28.37	
23 33 13 16-0285	EA		48" x 12" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	262.58	38.34
			<i>For Horizontal, Add</i>	22.12	
			<i>For Dynamic Damper, Add</i>	33.18	
			<i>For 3 Hour Rated, Add</i>	29.49	
23 33 13 16-0286	EA		48" x 14" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	281.59	42.14
			<i>For Horizontal, Add</i>	23.24	
			<i>For Dynamic Damper, Add</i>	34.86	
			<i>For 3 Hour Rated, Add</i>	30.99	
23 33 13 16-0287	EA		48" x 16" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	300.60	46.05
			<i>For Horizontal, Add</i>	24.37	
			<i>For Dynamic Damper, Add</i>	36.55	
			<i>For 3 Hour Rated, Add</i>	32.49	
23 33 13 16-0288	EA		48" x 18" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	323.36	49.85
			<i>For Horizontal, Add</i>	26.05	
			<i>For Dynamic Damper, Add</i>	39.08	
			<i>For 3 Hour Rated, Add</i>	34.74	
23 33 13 16-0289	EA		48" x 20" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	346.12	53.66
			<i>For Horizontal, Add</i>	27.74	
			<i>For Dynamic Damper, Add</i>	41.61	
			<i>For 3 Hour Rated, Add</i>	36.99	
23 33 13 16-0290	EA		48" x 24" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	374.49	57.56
			<i>For Horizontal, Add</i>	30.27	
			<i>For Dynamic Damper, Add</i>	45.41	
			<i>For 3 Hour Rated, Add</i>	40.36	
23 33 13 16-0291	EA		48" x 28" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	406.61	61.36
			<i>For Horizontal, Add</i>	33.36	
			<i>For Dynamic Damper, Add</i>	50.04	
			<i>For 3 Hour Rated, Add</i>	44.48	
23 33 13 16-0292	EA		48" x 32" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	429.25	63.21
			<i>For Horizontal, Add</i>	35.89	
			<i>For Dynamic Damper, Add</i>	53.84	
			<i>For 3 Hour Rated, Add</i>	47.86	
23 33 13 16-0293	EA		48" x 36" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	457.48	65.16
			<i>For Horizontal, Add</i>	39.26	
			<i>For Dynamic Damper, Add</i>	58.90	
			<i>For 3 Hour Rated, Add</i>	52.35	
23 33 13 16-0294	EA		48" x 40" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	485.88	68.96
			<i>For Horizontal, Add</i>	41.80	
			<i>For Dynamic Damper, Add</i>	62.69	
			<i>For 3 Hour Rated, Add</i>	55.73	
23 33 13 16-0295	EA		48" x 44" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	514.12	70.92
			<i>For Horizontal, Add</i>	45.17	
			<i>For Dynamic Damper, Add</i>	67.75	
			<i>For 3 Hour Rated, Add</i>	60.23	
23 33 13 16-0296	EA		48" x 48" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	546.38	76.68
			<i>For Horizontal, Add</i>	47.42	
			<i>For Dynamic Damper, Add</i>	71.13	
			<i>For 3 Hour Rated, Add</i>	63.22	
23 33 13 16-0297	EA		52" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	235.95	32.59
			<i>For Horizontal, Add</i>	20.71	
			<i>For Dynamic Damper, Add</i>	31.07	
			<i>For 3 Hour Rated, Add</i>	27.62	
23 33 13 16-0298	EA		52" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	249.19	34.53
			<i>For Horizontal, Add</i>	21.84	
			<i>For Dynamic Damper, Add</i>	32.76	
			<i>For 3 Hour Rated, Add</i>	29.12	
23 33 13 16-0299	EA		52" x 10" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	268.21	38.34
			<i>For Horizontal, Add</i>	22.96	
			<i>For Dynamic Damper, Add</i>	34.44	
			<i>For 3 Hour Rated, Add</i>	30.62	
23 33 13 16-0300	EA		52" x 12" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	281.59	42.14
			<i>For Horizontal, Add</i>	23.24	
			<i>For Dynamic Damper, Add</i>	34.86	
			<i>For 3 Hour Rated, Add</i>	30.99	
23 33 13 16-0301	EA		52" x 14" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	301.55	46.05
			<i>For Horizontal, Add</i>	24.51	
			<i>For Dynamic Damper, Add</i>	36.76	
			<i>For 3 Hour Rated, Add</i>	32.68	
23 33 13 16-0302	EA		52" x 16" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	321.48	49.85
			<i>For Horizontal, Add</i>	25.77	
			<i>For Dynamic Damper, Add</i>	38.66	
			<i>For 3 Hour Rated, Add</i>	34.36	
23 33 13 16-0303	EA		52" x 18" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	344.25	53.66
			<i>For Horizontal, Add</i>	27.46	
			<i>For Dynamic Damper, Add</i>	41.19	
			<i>For 3 Hour Rated, Add</i>	36.61	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 16-0304	EA		52" x 20" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	366.99	57.56
			<i>For Horizontal, Add</i>	29.15	
			<i>For Dynamic Damper, Add</i>	43.72	
			<i>For 3 Hour Rated, Add</i>	38.86	
23 33 13 16-0305	EA		52" x 24" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	395.38	61.36
			<i>For Horizontal, Add</i>	31.68	
			<i>For Dynamic Damper, Add</i>	47.51	
			<i>For 3 Hour Rated, Add</i>	42.23	
23 33 13 16-0306	EA		52" x 28" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	429.37	65.16
			<i>For Horizontal, Add</i>	35.05	
			<i>For Dynamic Damper, Add</i>	52.57	
			<i>For 3 Hour Rated, Add</i>	46.73	
23 33 13 16-0307	EA		52" x 32" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	453.87	67.12
			<i>For Horizontal, Add</i>	37.86	
			<i>For Dynamic Damper, Add</i>	56.79	
			<i>For 3 Hour Rated, Add</i>	50.48	
23 33 13 16-0308	EA		52" x 36" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	484.00	68.96
			<i>For Horizontal, Add</i>	41.51	
			<i>For Dynamic Damper, Add</i>	62.27	
			<i>For 3 Hour Rated, Add</i>	55.35	
23 33 13 16-0309	EA		52" x 40" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	517.99	72.88
			<i>For Horizontal, Add</i>	44.89	
			<i>For Dynamic Damper, Add</i>	67.33	
			<i>For 3 Hour Rated, Add</i>	59.85	
23 33 13 16-0310	EA		52" x 44" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	546.38	76.68
			<i>For Horizontal, Add</i>	47.42	
			<i>For Dynamic Damper, Add</i>	71.13	
			<i>For 3 Hour Rated, Add</i>	63.22	
23 33 13 16-0311	EA		52" x 48" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	586.13	82.43
			<i>For Horizontal, Add</i>	50.79	
			<i>For Dynamic Damper, Add</i>	76.19	
			<i>For 3 Hour Rated, Add</i>	67.72	
23 33 13 16-0312	EA		52" x 52" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	616.39	86.23
			<i>For Horizontal, Add</i>	53.60	
			<i>For Dynamic Damper, Add</i>	80.40	
			<i>For 3 Hour Rated, Add</i>	71.47	
23 33 13 16-0313	EA		56" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	245.44	34.53
			<i>For Horizontal, Add</i>	21.27	
			<i>For Dynamic Damper, Add</i>	31.91	
			<i>For 3 Hour Rated, Add</i>	28.37	
23 33 13 16-0314	EA		56" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	266.32	38.34
			<i>For Horizontal, Add</i>	22.68	
			<i>For Dynamic Damper, Add</i>	34.02	
			<i>For 3 Hour Rated, Add</i>	30.24	
23 33 13 16-0315	EA		56" x 10" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	283.47	42.14
			<i>For Horizontal, Add</i>	23.52	
			<i>For Dynamic Damper, Add</i>	35.29	
			<i>For 3 Hour Rated, Add</i>	31.37	
23 33 13 16-0316	EA		56" x 12" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	296.85	46.05
			<i>For Horizontal, Add</i>	23.80	
			<i>For Dynamic Damper, Add</i>	35.71	
			<i>For 3 Hour Rated, Add</i>	31.74	
23 33 13 16-0317	EA		56" x 14" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	318.68	49.85
			<i>For Horizontal, Add</i>	25.35	
			<i>For Dynamic Damper, Add</i>	38.03	
			<i>For 3 Hour Rated, Add</i>	33.80	
23 33 13 16-0318	EA		56" x 16" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	340.50	53.66
			<i>For Horizontal, Add</i>	26.90	
			<i>For Dynamic Damper, Add</i>	40.34	
			<i>For 3 Hour Rated, Add</i>	35.86	
23 33 13 16-0319	EA		56" x 18" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	362.31	57.56
			<i>For Horizontal, Add</i>	28.44	
			<i>For Dynamic Damper, Add</i>	42.66	
			<i>For 3 Hour Rated, Add</i>	37.92	
23 33 13 16-0320	EA		56" x 20" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	384.13	61.36
			<i>For Horizontal, Add</i>	29.99	
			<i>For Dynamic Damper, Add</i>	44.98	
			<i>For 3 Hour Rated, Add</i>	39.98	
23 33 13 16-0321	EA		56" x 24" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	418.12	65.16
			<i>For Horizontal, Add</i>	33.36	
			<i>For Dynamic Damper, Add</i>	50.04	
			<i>For 3 Hour Rated, Add</i>	44.48	
23 33 13 16-0322	EA		56" x 28" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	446.38	67.12
			<i>For Horizontal, Add</i>	36.74	
			<i>For Dynamic Damper, Add</i>	55.10	
			<i>For 3 Hour Rated, Add</i>	48.98	
23 33 13 16-0323	EA		56" x 32" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	472.75	68.96
			<i>For Horizontal, Add</i>	39.83	
			<i>For Dynamic Damper, Add</i>	59.74	
			<i>For 3 Hour Rated, Add</i>	53.10	
23 33 13 16-0324	EA		56" x 36" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	510.51	72.88
			<i>For Horizontal, Add</i>	43.76	
			<i>For Dynamic Damper, Add</i>	65.65	
			<i>For 3 Hour Rated, Add</i>	58.35	

23 Heating, Ventilating, And Air-Conditioning (HVAC)

23 30 HVAC Air Distribution

23 33 Air Duct Accessories



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 16-0325	EA		56" x 40" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	544.50	76.68
			<i>For Horizontal, Add</i>	47.14	
			<i>For Dynamic Damper, Add</i>	70.70	
			<i>For 3 Hour Rated, Add</i>	62.85	
23 33 13 16-0326	EA		56" x 44" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	580.37	80.47
			<i>For Horizontal, Add</i>	50.79	
			<i>For Dynamic Damper, Add</i>	76.19	
			<i>For 3 Hour Rated, Add</i>	67.72	
23 33 13 16-0327	EA		56" x 48" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	610.64	84.39
			<i>For Horizontal, Add</i>	53.60	
			<i>For Dynamic Damper, Add</i>	80.40	
			<i>For 3 Hour Rated, Add</i>	71.47	
23 33 13 16-0328	EA		56" x 52" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	646.51	88.19
			<i>For Horizontal, Add</i>	57.26	
			<i>For Dynamic Damper, Add</i>	85.88	
			<i>For 3 Hour Rated, Add</i>	76.34	
23 33 13 16-0329	EA		56" x 56" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	682.39	91.99
			<i>For Horizontal, Add</i>	60.91	
			<i>For Dynamic Damper, Add</i>	91.37	
			<i>For 3 Hour Rated, Add</i>	81.21	
23 33 13 16-0330	EA		60" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	262.58	38.34
			<i>For Horizontal, Add</i>	22.12	
			<i>For Dynamic Damper, Add</i>	33.18	
			<i>For 3 Hour Rated, Add</i>	29.49	
23 33 13 16-0331	EA		60" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	283.47	42.14
			<i>For Horizontal, Add</i>	23.52	
			<i>For Dynamic Damper, Add</i>	35.29	
			<i>For 3 Hour Rated, Add</i>	31.37	
23 33 13 16-0332	EA		60" x 10" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	298.72	46.05
			<i>For Horizontal, Add</i>	24.08	
			<i>For Dynamic Damper, Add</i>	36.13	
			<i>For 3 Hour Rated, Add</i>	32.11	
23 33 13 16-0333	EA		60" x 12" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	312.11	49.85
			<i>For Horizontal, Add</i>	24.37	
			<i>For Dynamic Damper, Add</i>	36.55	
			<i>For 3 Hour Rated, Add</i>	32.49	
23 33 13 16-0334	EA		60" x 14" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	334.88	53.66
			<i>For Horizontal, Add</i>	26.05	
			<i>For Dynamic Damper, Add</i>	39.08	
			<i>For 3 Hour Rated, Add</i>	34.74	
23 33 13 16-0335	EA		60" x 16" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	357.62	57.56
			<i>For Horizontal, Add</i>	27.74	
			<i>For Dynamic Damper, Add</i>	41.61	
			<i>For 3 Hour Rated, Add</i>	36.99	
23 33 13 16-0336	EA		60" x 18" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	381.32	61.36
			<i>For Horizontal, Add</i>	29.57	
			<i>For Dynamic Damper, Add</i>	44.35	
			<i>For 3 Hour Rated, Add</i>	39.42	
23 33 13 16-0337	EA		60" x 20" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	405.01	65.16
			<i>For Horizontal, Add</i>	31.39	
			<i>For Dynamic Damper, Add</i>	47.09	
			<i>For 3 Hour Rated, Add</i>	41.86	
23 33 13 16-0338	EA		60" x 24" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	435.13	67.12
			<i>For Horizontal, Add</i>	35.05	
			<i>For Dynamic Damper, Add</i>	52.57	
			<i>For 3 Hour Rated, Add</i>	46.73	
23 33 13 16-0339	EA		60" x 28" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	463.38	68.96
			<i>For Horizontal, Add</i>	38.42	
			<i>For Dynamic Damper, Add</i>	57.63	
			<i>For 3 Hour Rated, Add</i>	51.23	
23 33 13 16-0340	EA		60" x 32" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	499.27	72.88
			<i>For Horizontal, Add</i>	42.08	
			<i>For Dynamic Damper, Add</i>	63.12	
			<i>For 3 Hour Rated, Add</i>	56.10	
23 33 13 16-0341	EA		60" x 36" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	535.14	76.68
			<i>For Horizontal, Add</i>	45.73	
			<i>For Dynamic Damper, Add</i>	68.60	
			<i>For 3 Hour Rated, Add</i>	60.98	
23 33 13 16-0342	EA		60" x 40" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	565.39	80.47
			<i>For Horizontal, Add</i>	48.54	
			<i>For Dynamic Damper, Add</i>	72.81	
			<i>For 3 Hour Rated, Add</i>	64.72	
23 33 13 16-0343	EA		60" x 44" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	606.89	84.39
			<i>For Horizontal, Add</i>	53.04	
			<i>For Dynamic Damper, Add</i>	79.56	
			<i>For 3 Hour Rated, Add</i>	70.72	
23 33 13 16-0344	EA		60" x 48" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	644.63	88.19
			<i>For Horizontal, Add</i>	56.97	
			<i>For Dynamic Damper, Add</i>	85.46	
			<i>For 3 Hour Rated, Add</i>	75.97	
23 33 13 16-0345	EA		60" x 52" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	682.39	91.99
			<i>For Horizontal, Add</i>	60.91	
			<i>For Dynamic Damper, Add</i>	91.37	
			<i>For 3 Hour Rated, Add</i>	81.21	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 16-0346 EA 60" x 56" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	716.38	95.91
For Horizontal, Add	64.28	
For Dynamic Damper, Add	96.42	
For 3 Hour Rated, Add	85.71	
23 33 13 16-0347 EA 60" x 60" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	750.40	99.70
For Horizontal, Add	67.66	
For Dynamic Damper, Add	101.49	
For 3 Hour Rated, Add	90.21	
23 33 13 16-0348 Round 2 Hour Fire Damper (23 33 13 16)		
23 33 13 16-0349 EA 4" Round 2 Hour Fire Damper.....	62.00	23.03
23 33 13 16-0350 EA 5" Round 2 Hour Fire Damper.....	63.14	23.03
23 33 13 16-0351 EA 6" Round 2 Hour Fire Damper.....	72.85	26.13
23 33 13 16-0352 EA 7" Round 2 Hour Fire Damper.....	74.09	26.13
23 33 13 16-0353 EA 8" Round 2 Hour Fire Damper.....	84.91	28.79
23 33 13 16-0354 EA 9" Round 2 Hour Fire Damper.....	88.33	28.79
23 33 13 16-0355 EA 10" Round 2 Hour Fire Damper.....	98.16	32.00
23 33 13 16-0356 EA 12" Round 2 Hour Fire Damper.....	110.34	36.03
23 33 13 16-0357 EA 14" Round 2 Hour Fire Damper.....	125.75	41.11
23 33 13 16-0358 Round 4 Hour Fire Damper (23 33 13 16)		
23 33 13 16-0359 EA 4" Round 4 Hour Fire Damper.....	70.20	26.13
23 33 13 16-0360 EA 5" Round 4 Hour Fire Damper.....	73.31	26.13
23 33 13 16-0361 EA 6" Round 4 Hour Fire Damper.....	81.69	28.79
23 33 13 16-0362 EA 7" Round 4 Hour Fire Damper.....	85.71	28.79
23 33 13 16-0363 EA 8" Round 4 Hour Fire Damper.....	96.13	32.00
23 33 13 16-0364 EA 9" Round 4 Hour Fire Damper.....	98.58	32.00
23 33 13 16-0365 EA 10" Round 4 Hour Fire Damper.....	110.41	36.03
23 33 13 16-0366 EA 12" Round 4 Hour Fire Damper.....	124.20	41.11
23 33 13 16-0367 EA 14" Round 4 Hour Fire Damper.....	144.91	48.01
23 33 13 19 Smoke-Control Dampers (23 33 13)		
23 33 13 19-0001 Combination Smoke/Fire Damper (23 33 13 19)		
Note: Leakage class I with Firestat UL 555S air foil blades.		
23 33 13 19-0002 EA 6" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	112.19	19.17
For 3 Hour Rated, Add	10.94	
23 33 13 19-0003 EA 8" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	116.13	20.04
For 3 Hour Rated, Add	11.21	
23 33 13 19-0004 EA 8" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	117.83	20.21
For 3 Hour Rated, Add	11.48	
23 33 13 19-0005 EA 10" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	117.83	20.21
For 3 Hour Rated, Add	11.48	
23 33 13 19-0006 EA 10" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	120.89	20.72
For 3 Hour Rated, Add	11.74	
23 33 13 19-0007 EA 10" x 10" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	130.50	22.97
For 3 Hour Rated, Add	12.28	
23 33 13 19-0008 EA 12" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	120.89	20.72
For 3 Hour Rated, Add	11.74	
23 33 13 19-0009 EA 12" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	127.04	21.93
For 3 Hour Rated, Add	12.28	
23 33 13 19-0010 EA 12" x 10" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	131.84	22.97
For 3 Hour Rated, Add	12.55	
23 33 13 19-0011 EA 12" x 12" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	141.82	25.90
For 3 Hour Rated, Add	12.82	
23 33 13 19-0012 EA 14" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	126.37	21.93
For 3 Hour Rated, Add	12.15	
23 33 13 19-0013 EA 14" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	131.84	22.97
For 3 Hour Rated, Add	12.55	
23 33 13 19-0014 EA 14" x 10" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	136.65	24.18
For 3 Hour Rated, Add	12.82	
23 33 13 19-0015 EA 14" x 12" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	143.18	25.90
For 3 Hour Rated, Add	13.09	
23 33 13 19-0016 EA 14" x 14" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	155.18	28.84
For 3 Hour Rated, Add	13.77	
23 33 13 19-0017 EA 16" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	181.11	22.97
For 3 Hour Rated, Add	22.41	
23 33 13 19-0018 EA 16" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	187.64	24.70
For 3 Hour Rated, Add	22.68	
23 33 13 19-0019 EA 16" x 10" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	195.90	27.11
For 3 Hour Rated, Add	22.95	
23 33 13 19-0020 EA 16" x 12" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	202.41	28.84
For 3 Hour Rated, Add	23.21	
23 33 13 19-0021 EA 16" x 14" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	214.42	31.60
For 3 Hour Rated, Add	23.89	
23 33 13 19-0022 EA 16" x 16" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	226.42	34.53
For 3 Hour Rated, Add	24.56	
23 33 13 19-0023 EA 18" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	185.92	24.18
For 3 Hour Rated, Add	22.68	

23 Heating, Ventilating, And Air-Conditioning (HVAC)

23 30 HVAC Air Distribution

23 33 Air Duct Accessories



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 19-0024	EA		18" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	193.10	25.90
			<i>For 3 Hour Rated, Add</i>	23.08	
23 33 13 19-0025	EA		18" x 10" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	203.78	28.84
			<i>For 3 Hour Rated, Add</i>	23.49	
23 33 13 19-0026	EA		18" x 12" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	215.77	31.60
			<i>For 3 Hour Rated, Add</i>	24.16	
23 33 13 19-0027	EA		18" x 14" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	227.09	34.53
			<i>For 3 Hour Rated, Add</i>	24.70	
23 33 13 19-0028	EA		18" x 16" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	239.10	37.30
			<i>For 3 Hour Rated, Add</i>	25.37	
23 33 13 19-0029	EA		18" x 18" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	249.76	40.24
			<i>For 3 Hour Rated, Add</i>	25.77	
23 33 13 19-0030	EA		20" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	192.44	25.90
			<i>For 3 Hour Rated, Add</i>	22.95	
23 33 13 19-0031	EA		20" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	203.77	28.84
			<i>For 3 Hour Rated, Add</i>	23.48	
23 33 13 19-0032	EA		20" x 10" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	215.09	31.60
			<i>For 3 Hour Rated, Add</i>	24.02	
23 33 13 19-0033	EA		20" x 12" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	229.12	34.53
			<i>For 3 Hour Rated, Add</i>	25.10	
23 33 13 19-0034	EA		20" x 14" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	239.78	37.30
			<i>For 3 Hour Rated, Add</i>	25.51	
23 33 13 19-0035	EA		20" x 16" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	250.44	40.24
			<i>For 3 Hour Rated, Add</i>	25.91	
23 33 13 19-0036	EA		20" x 18" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	261.77	43.18
			<i>For 3 Hour Rated, Add</i>	26.45	
23 33 13 19-0037	EA		20" x 20" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	273.09	45.94
			<i>For 3 Hour Rated, Add</i>	26.99	
23 33 13 19-0038	EA		24" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	258.85	28.84
			<i>For 3 Hour Rated, Add</i>	34.50	
23 33 13 19-0039	EA		24" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	271.53	31.60
			<i>For 3 Hour Rated, Add</i>	35.31	
23 33 13 19-0040	EA		24" x 10" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	282.87	34.53
			<i>For 3 Hour Rated, Add</i>	35.85	
23 33 13 19-0041	EA		24" x 12" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	295.54	37.30
			<i>For 3 Hour Rated, Add</i>	36.66	
23 33 13 19-0042	EA		24" x 14" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	306.20	40.24
			<i>For 3 Hour Rated, Add</i>	37.06	
23 33 13 19-0043	EA		24" x 16" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	316.86	43.18
			<i>For 3 Hour Rated, Add</i>	37.47	
23 33 13 19-0044	EA		24" x 18" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	329.53	45.94
			<i>For 3 Hour Rated, Add</i>	38.27	
23 33 13 19-0045	EA		24" x 20" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	350.84	51.81
			<i>For 3 Hour Rated, Add</i>	39.08	
23 33 13 19-0046	EA		24" x 24" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	373.49	57.50
			<i>For 3 Hour Rated, Add</i>	40.16	
23 33 13 19-0047	EA		28" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	271.53	31.60
			<i>For 3 Hour Rated, Add</i>	35.31	
23 33 13 19-0048	EA		28" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	282.87	34.53
			<i>For 3 Hour Rated, Add</i>	35.85	
23 33 13 19-0049	EA		28" x 10" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	295.54	37.30
			<i>For 3 Hour Rated, Add</i>	36.66	
23 33 13 19-0050	EA		28" x 12" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	306.87	40.24
			<i>For 3 Hour Rated, Add</i>	37.20	
23 33 13 19-0051	EA		28" x 14" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	318.88	43.18
			<i>For 3 Hour Rated, Add</i>	37.87	
23 33 13 19-0052	EA		28" x 16" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	330.87	45.94
			<i>For 3 Hour Rated, Add</i>	38.54	
23 33 13 19-0053	EA		28" x 18" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	352.18	51.81
			<i>For 3 Hour Rated, Add</i>	39.35	
23 33 13 19-0054	EA		28" x 20" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	373.49	57.50
			<i>For 3 Hour Rated, Add</i>	40.16	
23 33 13 19-0055	EA		28" x 24" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	390.21	60.45
			<i>For 3 Hour Rated, Add</i>	41.78	
23 33 13 19-0056	EA		28" x 28" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	414.21	66.15
			<i>For 3 Hour Rated, Add</i>	43.12	
23 33 13 19-0057	EA		32" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	286.90	34.53
			<i>For 3 Hour Rated, Add</i>	36.66	
23 33 13 19-0058	EA		32" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	296.88	37.30
			<i>For 3 Hour Rated, Add</i>	36.93	
23 33 13 19-0059	EA		32" x 10" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	306.87	40.24
			<i>For 3 Hour Rated, Add</i>	37.20	
23 33 13 19-0060	EA		32" x 12" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	318.20	43.18
			<i>For 3 Hour Rated, Add</i>	37.73	
23 33 13 19-0061	EA		32" x 14" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	331.12	45.94
			<i>For 3 Hour Rated, Add</i>	38.59	
23 33 13 19-0062	EA		32" x 16" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	352.18	51.81
			<i>For 3 Hour Rated, Add</i>	39.35	
23 33 13 19-0063	EA		32" x 18" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	374.84	57.50
			<i>For 3 Hour Rated, Add</i>	40.43	
23 33 13 19-0064	EA		32" x 20" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	397.50	63.21
			<i>For 3 Hour Rated, Add</i>	41.51	
23 33 13 19-0065	EA		32" x 24" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	414.21	66.15
			<i>For 3 Hour Rated, Add</i>	43.12	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 19-0066 EA 32" x 28" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	437.46 45.01	70.81
23 33 13 19-0067 EA 32" x 32" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	460.33 47.16	74.78
23 33 13 19-0068 EA 36" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	303.80 38.31	37.30
23 33 13 19-0069 EA 36" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	315.36 38.89	40.24
23 33 13 19-0070 EA 36" x 10" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	326.92 39.48	43.18
23 33 13 19-0071 EA 36" x 12" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	339.95 40.36	45.94
23 33 13 19-0072 EA 36" x 14" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	359.43 40.80	51.81
23 33 13 19-0073 EA 36" x 16" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	370.25 41.24	54.57
23 33 13 19-0074 EA 36" x 18" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	403.48 42.70	63.21
23 33 13 19-0075 EA 36" x 20" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	428.07 44.17	69.08
23 33 13 19-0076 EA 36" x 24" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	443.75 45.92	71.32
23 33 13 19-0077 EA 36" x 28" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	471.01 48.27	76.50
23 33 13 19-0078 EA 36" x 32" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	493.34 50.31	80.47
23 33 13 19-0079 EA 36" x 36" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	513.69 52.66	83.41
23 33 13 19-0080 EA 40" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	363.16 48.45	43.18
23 33 13 19-0081 EA 40" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	377.65 49.62	45.94
23 33 13 19-0082 EA 40" x 10" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	387.75 49.92	48.87
23 33 13 19-0083 EA 40" x 12" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	397.85 50.21	51.81
23 33 13 19-0084 EA 40" x 14" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	420.24 51.24	54.57
23 33 13 19-0085 EA 40" x 16" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	434.00 52.26	57.50
23 33 13 19-0086 EA 40" x 18" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	465.77 53.43	66.15
23 33 13 19-0087 EA 40" x 20" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	488.89 54.60	71.84
23 33 13 19-0088 EA 40" x 24" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	511.49 56.36	76.50
23 33 13 19-0089 EA 40" x 28" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	539.68 59.58	80.47
23 33 13 19-0090 EA 40" x 32" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	562.28 61.34	85.14
23 33 13 19-0091 EA 40" x 36" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	585.30 64.56	87.39
23 33 13 19-0092 EA 40" x 40" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	613.77 67.49	92.05
23 33 13 19-0093 EA 44" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	374.73 49.04	43.18
23 33 13 19-0094 EA 44" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	389.22 50.21	45.94
23 33 13 19-0095 EA 44" x 10" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	402.24 51.09	48.87
23 33 13 19-0096 EA 44" x 12" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	412.35 51.38	51.81
23 33 13 19-0097 EA 44" x 14" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	426.84 52.56	54.57
23 33 13 19-0098 EA 44" x 16" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	441.32 53.73	57.50
23 33 13 19-0099 EA 44" x 18" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	483.20 55.19	69.08
23 33 13 19-0100 EA 44" x 20" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	507.78 56.65	74.78
23 33 13 19-0101 EA 44" x 24" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	539.68 59.58	80.47
23 33 13 19-0102 EA 44" x 28" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	570.13 62.22	86.35
23 33 13 19-0103 EA 44" x 32" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	602.04 65.14	92.05
23 33 13 19-0104 EA 44" x 36" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	623.85 67.78	94.81
23 33 13 19-0105 EA 44" x 40" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	645.66 70.42	97.75
23 33 13 19-0106 EA 44" x 44" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	667.49 73.05	100.68
23 33 13 19-0107 EA 48" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	387.75 49.92	45.94

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 33 Air Duct Accessories**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 19-0108 EA 48" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For 3 Hour Rated, Add</i>	402.24 51.09	48.87
23 33 13 19-0109 EA 48" x 10" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For 3 Hour Rated, Add</i>	412.35 51.38	51.81
23 33 13 19-0110 EA 48" x 12" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For 3 Hour Rated, Add</i>	434.00 52.26	57.50
23 33 13 19-0111 EA 48" x 14" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For 3 Hour Rated, Add</i>	457.13 53.43	63.21
23 33 13 19-0112 EA 48" x 16" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For 3 Hour Rated, Add</i>	480.26 54.60	69.08
23 33 13 19-0113 EA 48" x 18" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For 3 Hour Rated, Add</i>	506.32 56.36	74.78
23 33 13 19-0114 EA 48" x 20" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For 3 Hour Rated, Add</i>	532.36 58.12	80.47
23 33 13 19-0115 EA 48" x 24" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For 3 Hour Rated, Add</i>	562.81 60.75	86.35
23 33 13 19-0116 EA 48" x 28" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For 3 Hour Rated, Add</i>	596.18 63.97	92.05
23 33 13 19-0117 EA 48" x 32" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For 3 Hour Rated, Add</i>	618.01 66.61	94.81
23 33 13 19-0118 EA 48" x 36" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For 3 Hour Rated, Add</i>	644.19 70.12	97.75
23 33 13 19-0119 EA 48" x 40" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For 3 Hour Rated, Add</i>	674.65 72.76	103.44
23 33 13 19-0120 EA 48" x 44" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For 3 Hour Rated, Add</i>	700.86 76.27	106.38
23 33 13 19-0121 EA 48" x 48" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For 3 Hour Rated, Add</i>	738.48 78.62	115.02
23 33 13 19-0122 EA 52" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For 3 Hour Rated, Add</i>	400.77 50.80	48.87
23 33 13 19-0123 EA 52" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For 3 Hour Rated, Add</i>	415.27 51.97	51.81
23 33 13 19-0124 EA 52" x 10" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For 3 Hour Rated, Add</i>	438.39 53.14	57.50
23 33 13 19-0125 EA 52" x 12" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For 3 Hour Rated, Add</i>	457.13 53.43	63.21
23 33 13 19-0126 EA 52" x 14" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For 3 Hour Rated, Add</i>	481.00 54.75	69.08
23 33 13 19-0127 EA 52" x 16" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For 3 Hour Rated, Add</i>	504.86 56.07	74.78
23 33 13 19-0128 EA 52" x 18" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For 3 Hour Rated, Add</i>	530.90 57.83	80.47
23 33 13 19-0129 EA 52" x 20" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For 3 Hour Rated, Add</i>	556.95 59.58	86.35
23 33 13 19-0130 EA 52" x 24" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For 3 Hour Rated, Add</i>	587.41 62.22	92.05
23 33 13 19-0131 EA 52" x 28" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For 3 Hour Rated, Add</i>	622.24 65.73	97.75
23 33 13 19-0132 EA 52" x 32" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For 3 Hour Rated, Add</i>	645.51 68.66	100.68
23 33 13 19-0133 EA 52" x 36" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For 3 Hour Rated, Add</i>	673.19 72.47	103.44
23 33 13 19-0134 EA 52" x 40" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For 3 Hour Rated, Add</i>	708.01 75.98	109.32
23 33 13 19-0135 EA 52" x 44" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For 3 Hour Rated, Add</i>	738.48 78.62	115.02
23 33 13 19-0136 EA 52" x 48" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For 3 Hour Rated, Add</i>	781.94 82.13	123.65
23 33 13 19-0137 EA 52" x 52" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For 3 Hour Rated, Add</i>	813.86 85.06	129.35
23 33 13 19-0138 EA 56" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For 3 Hour Rated, Add</i>	412.35 51.38	51.81
23 33 13 19-0139 EA 56" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For 3 Hour Rated, Add</i>	436.92 52.85	57.50
23 33 13 19-0140 EA 56" x 10" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For 3 Hour Rated, Add</i>	458.59 53.73	63.21
23 33 13 19-0141 EA 56" x 12" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For 3 Hour Rated, Add</i>	477.33 54.02	69.08
23 33 13 19-0142 EA 56" x 14" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For 3 Hour Rated, Add</i>	502.66 55.63	74.78
23 33 13 19-0143 EA 56" x 16" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For 3 Hour Rated, Add</i>	527.97 57.24	80.47
23 33 13 19-0144 EA 56" x 18" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For 3 Hour Rated, Add</i>	553.29 58.85	86.35
23 33 13 19-0145 EA 56" x 20" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For 3 Hour Rated, Add</i>	578.62 60.46	92.05
23 33 13 19-0146 EA 56" x 24" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For 3 Hour Rated, Add</i>	613.44 63.97	97.75
23 33 13 19-0147 EA 56" x 28" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For 3 Hour Rated, Add</i>	639.67 67.49	100.68
23 33 13 19-0148 EA 56" x 32" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For 3 Hour Rated, Add</i>	664.39 70.71	103.44
23 33 13 19-0149 EA 56" x 36" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For 3 Hour Rated, Add</i>	702.16 74.81	109.32



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 19-0150 EA 56" x 40" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	737.01	115.02
For 3 Hour Rated, Add	78.32	
23 33 13 19-0151 EA 56" x 44" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	773.30	120.72
For 3 Hour Rated, Add	82.13	
23 33 13 19-0152 EA 56" x 48" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	805.22	126.58
For 3 Hour Rated, Add	85.06	
23 33 13 19-0153 EA 56" x 52" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	841.52	132.29
For 3 Hour Rated, Add	88.86	
23 33 13 19-0154 EA 56" x 56" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	877.82	137.99
For 3 Hour Rated, Add	92.67	
23 33 13 19-0155 EA 60" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	434.00	57.50
For 3 Hour Rated, Add	52.26	
23 33 13 19-0156 EA 60" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	458.59	63.21
For 3 Hour Rated, Add	53.73	
23 33 13 19-0157 EA 60" x 10" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	478.80	69.08
For 3 Hour Rated, Add	54.31	
23 33 13 19-0158 EA 60" x 12" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	497.53	74.78
For 3 Hour Rated, Add	54.60	
23 33 13 19-0159 EA 60" x 14" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	523.58	80.47
For 3 Hour Rated, Add	56.36	
23 33 13 19-0160 EA 60" x 16" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	549.63	86.35
For 3 Hour Rated, Add	58.12	
23 33 13 19-0161 EA 60" x 18" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	576.42	92.05
For 3 Hour Rated, Add	60.02	
23 33 13 19-0162 EA 60" x 20" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	603.21	97.75
For 3 Hour Rated, Add	61.93	
23 33 13 19-0163 EA 60" x 24" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	630.88	100.68
For 3 Hour Rated, Add	65.73	
23 33 13 19-0164 EA 60" x 28" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	657.07	103.44
For 3 Hour Rated, Add	69.24	
23 33 13 19-0165 EA 60" x 32" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	693.39	109.32
For 3 Hour Rated, Add	73.05	
23 33 13 19-0166 EA 60" x 36" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	729.70	115.02
For 3 Hour Rated, Add	76.86	
23 33 13 19-0167 EA 60" x 40" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	761.60	120.72
For 3 Hour Rated, Add	79.79	
23 33 13 19-0168 EA 60" x 44" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	802.29	126.58
For 3 Hour Rated, Add	84.47	
23 33 13 19-0169 EA 60" x 48" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	840.06	132.29
For 3 Hour Rated, Add	88.57	
23 33 13 19-0170 EA 60" x 52" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	877.82	137.99
For 3 Hour Rated, Add	92.67	
23 33 13 19-0171 EA 60" x 56" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	912.65	143.86
For 3 Hour Rated, Add	96.18	
23 33 13 19-0172 EA 60" x 60" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	947.51	149.55
For 3 Hour Rated, Add	99.70	
23 33 13 19-0173 Smoke Damper <small>(23 33 13 19)</small>		
Note: Leakage class I with Firestat UL 555S air foil blades.		
23 33 13 19-0174 EA 6" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	86.91	12.78
For Dynamic Damper, Add	10.93	
For 3 Hour Rated, Add	9.71	
23 33 13 19-0175 EA 8" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	89.85	13.35
For Dynamic Damper, Add	11.20	
For 3 Hour Rated, Add	9.96	
23 33 13 19-0176 EA 8" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	91.32	13.47
For Dynamic Damper, Add	11.48	
For 3 Hour Rated, Add	10.21	
23 33 13 19-0177 EA 10" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	91.32	13.47
For Dynamic Damper, Add	11.48	
For 3 Hour Rated, Add	10.21	
23 33 13 19-0178 EA 10" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	93.71	13.82
For Dynamic Damper, Add	11.76	
For 3 Hour Rated, Add	10.45	
23 33 13 19-0179 EA 10" x 10" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	100.76	15.31
For Dynamic Damper, Add	12.31	
For 3 Hour Rated, Add	10.94	
23 33 13 19-0180 EA 12" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	93.71	13.82
For Dynamic Damper, Add	11.76	
For 3 Hour Rated, Add	10.45	
23 33 13 19-0181 EA 12" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	98.46	14.62
For Dynamic Damper, Add	12.31	
For 3 Hour Rated, Add	10.94	
23 33 13 19-0182 EA 12" x 10" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	102.00	15.31
For Dynamic Damper, Add	12.59	
For 3 Hour Rated, Add	11.19	
23 33 13 19-0183 EA 12" x 12" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	108.98	17.27
For Dynamic Damper, Add	12.86	
For 3 Hour Rated, Add	11.43	
23 33 13 19-0184 EA 14" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	97.85	14.62
For Dynamic Damper, Add	12.17	
For 3 Hour Rated, Add	10.82	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 33 Air Duct Accessories**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 19-0185 EA 14" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	102.00 12.59 11.19	15.31
23 33 13 19-0186 EA 14" x 10" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	105.52 12.86 11.43	16.12
23 33 13 19-0187 EA 14" x 12" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	110.22 13.14 11.68	17.27
23 33 13 19-0188 EA 14" x 14" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	119.04 13.83 12.30	19.23
23 33 13 19-0189 EA 16" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	146.78 22.66 20.15	15.31
23 33 13 19-0190 EA 16" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	151.47 22.94 20.39	16.47
23 33 13 19-0191 EA 16" x 10" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	157.30 23.22 20.64	18.08
23 33 13 19-0192 EA 16" x 12" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	161.97 23.49 20.88	19.23
23 33 13 19-0193 EA 16" x 14" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	170.82 24.19 21.50	21.07
23 33 13 19-0194 EA 16" x 16" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	179.65 24.88 22.11	23.03
23 33 13 19-0195 EA 18" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	150.31 22.94 20.39	16.12
23 33 13 19-0196 EA 18" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	155.61 23.36 20.76	17.27
23 33 13 19-0197 EA 18" x 10" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	163.22 23.77 21.13	19.23
23 33 13 19-0198 EA 18" x 12" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	172.05 24.46 21.75	21.07
23 33 13 19-0199 EA 18" x 14" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	180.26 25.02 22.24	23.03
23 33 13 19-0200 EA 18" x 16" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	189.10 25.71 22.85	24.87
23 33 13 19-0201 EA 18" x 18" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	196.70 26.12 23.22	26.83
23 33 13 19-0202 EA 20" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	155.00 23.22 20.64	17.27
23 33 13 19-0203 EA 20" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	163.21 23.77 21.13	19.23
23 33 13 19-0204 EA 20" x 10" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	171.43 24.32 21.62	21.07
23 33 13 19-0205 EA 20" x 12" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	182.12 25.43 22.61	23.03
23 33 13 19-0206 EA 20" x 14" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	189.72 25.85 22.98	24.87
23 33 13 19-0207 EA 20" x 16" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	197.32 26.26 23.35	26.83
23 33 13 19-0208 EA 20" x 18" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	205.53 26.82 23.84	28.79
23 33 13 19-0209 EA 20" x 20" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	213.75 27.37 24.33	30.63
23 33 13 19-0210 EA 24" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	200.26 32.11 28.54	19.23
23 33 13 19-0211 EA 24" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	209.72 32.94 29.28	21.07
23 33 13 19-0212 EA 24" x 10" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	217.95 33.50 29.77	23.03



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 19-0213 EA 24" x 12" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	227.40 34.33 30.51	24.87
23 33 13 19-0214 EA 24" x 14" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	234.99 34.74 30.88	26.83
23 33 13 19-0215 EA 24" x 16" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	242.59 35.15 31.25	28.79
23 33 13 19-0216 EA 24" x 18" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	252.04 35.98 31.99	30.63
23 33 13 19-0217 EA 24" x 20" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	267.23 36.81 32.72	34.53
23 33 13 19-0218 EA 24" x 24" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	283.67 37.92 33.71	38.34
23 33 13 19-0219 EA 28" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	209.72 32.94 29.28	21.07
23 33 13 19-0220 EA 28" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	217.95 33.50 29.77	23.03
23 33 13 19-0221 EA 28" x 10" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	227.40 34.33 30.51	24.87
23 33 13 19-0222 EA 28" x 12" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	235.60 34.88 31.00	26.83
23 33 13 19-0223 EA 28" x 14" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	244.43 35.57 31.62	28.79
23 33 13 19-0224 EA 28" x 16" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	253.26 36.26 32.23	30.63
23 33 13 19-0225 EA 28" x 18" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	268.45 37.09 32.97	34.53
23 33 13 19-0226 EA 28" x 20" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	283.67 37.92 33.71	38.34
23 33 13 19-0227 EA 28" x 24" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	296.81 39.58 35.18	40.29
23 33 13 19-0228 EA 28" x 28" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	314.47 40.97 36.41	44.09
23 33 13 19-0229 EA 32" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	221.64 34.33 30.51	23.03
23 33 13 19-0230 EA 32" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	228.61 34.60 30.75	24.87
23 33 13 19-0231 EA 32" x 10" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	235.60 34.88 31.00	26.83
23 33 13 19-0232 EA 32" x 12" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	243.81 35.43 31.49	28.79
23 33 13 19-0233 EA 32" x 14" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	253.50 36.31 32.28	30.63
23 33 13 19-0234 EA 32" x 16" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	268.45 37.09 32.97	34.53
23 33 13 19-0235 EA 32" x 18" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	284.90 38.20 33.95	38.34
23 33 13 19-0236 EA 32" x 20" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	301.34 39.31 34.94	42.14
23 33 13 19-0237 EA 32" x 24" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	314.47 40.97 36.41	44.09
23 33 13 19-0238 EA 32" x 28" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	332.30 42.91 38.14	47.20
23 33 13 19-0239 EA 32" x 32" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	350.19 45.12 40.10	49.85
23 33 13 19-0240 EA 36" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	233.19 35.63 31.67	24.87

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 33 Air Duct Accessories**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 19-0241 EA 36" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	241.51	26.83
For Dynamic Damper, Add	36.21	
For 3 Hour Rated, Add	32.18	
23 33 13 19-0242 EA 36" x 10" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	249.84	28.79
For Dynamic Damper, Add	36.79	
For 3 Hour Rated, Add	32.70	
23 33 13 19-0243 EA 36" x 12" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	259.47	30.63
For Dynamic Damper, Add	37.66	
For 3 Hour Rated, Add	33.47	
23 33 13 19-0244 EA 36" x 14" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	272.92	34.53
For Dynamic Damper, Add	38.09	
For 3 Hour Rated, Add	33.86	
23 33 13 19-0245 EA 36" x 16" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	280.61	36.38
For Dynamic Damper, Add	38.53	
For 3 Hour Rated, Add	34.25	
23 33 13 19-0246 EA 36" x 18" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	304.32	42.14
For Dynamic Damper, Add	39.98	
For 3 Hour Rated, Add	35.54	
23 33 13 19-0247 EA 36" x 20" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	322.27	46.05
For Dynamic Damper, Add	41.42	
For 3 Hour Rated, Add	36.82	
23 33 13 19-0248 EA 36" x 24" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	334.61	47.55
For Dynamic Damper, Add	43.17	
For 3 Hour Rated, Add	38.37	
23 33 13 19-0249 EA 36" x 28" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	355.27	51.00
For Dynamic Damper, Add	45.48	
For 3 Hour Rated, Add	40.43	
23 33 13 19-0250 EA 36" x 32" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	372.36	53.66
For Dynamic Damper, Add	47.51	
For 3 Hour Rated, Add	42.23	
23 33 13 19-0251 EA 36" x 36" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	388.42	55.60
For Dynamic Damper, Add	49.83	
For 3 Hour Rated, Add	44.30	
23 33 13 19-0252 EA 40" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	267.09	28.79
For Dynamic Damper, Add	41.96	
For 3 Hour Rated, Add	37.30	
23 33 13 19-0253 EA 40" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	278.00	30.63
For Dynamic Damper, Add	43.12	
For 3 Hour Rated, Add	38.33	
23 33 13 19-0254 EA 40" x 10" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	285.05	32.59
For Dynamic Damper, Add	43.41	
For 3 Hour Rated, Add	38.59	
23 33 13 19-0255 EA 40" x 12" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	292.10	34.53
For Dynamic Damper, Add	43.70	
For 3 Hour Rated, Add	38.85	
23 33 13 19-0256 EA 40" x 14" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	308.12	36.38
For Dynamic Damper, Add	44.72	
For 3 Hour Rated, Add	39.75	
23 33 13 19-0257 EA 40" x 16" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	318.39	38.34
For Dynamic Damper, Add	45.73	
For 3 Hour Rated, Add	40.65	
23 33 13 19-0258 EA 40" x 18" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	340.81	44.09
For Dynamic Damper, Add	46.89	
For 3 Hour Rated, Add	41.68	
23 33 13 19-0259 EA 40" x 20" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	357.49	47.90
For Dynamic Damper, Add	48.05	
For 3 Hour Rated, Add	42.71	
23 33 13 19-0260 EA 40" x 24" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	374.42	51.00
For Dynamic Damper, Add	49.79	
For 3 Hour Rated, Add	44.26	
23 33 13 19-0261 EA 40" x 28" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	396.66	53.66
For Dynamic Damper, Add	52.98	
For 3 Hour Rated, Add	47.09	
23 33 13 19-0262 EA 40" x 32" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	413.58	56.76
For Dynamic Damper, Add	54.72	
For 3 Hour Rated, Add	48.64	
23 33 13 19-0263 EA 40" x 36" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	432.37	58.26
For Dynamic Damper, Add	57.91	
For 3 Hour Rated, Add	51.47	
23 33 13 19-0264 EA 40" x 40" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	454.47	61.36
For Dynamic Damper, Add	60.81	
For 3 Hour Rated, Add	54.05	
23 33 13 19-0265 EA 44" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	275.43	28.79
For Dynamic Damper, Add	42.54	
For 3 Hour Rated, Add	37.82	
23 33 13 19-0266 EA 44" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	286.34	30.63
For Dynamic Damper, Add	43.70	
For 3 Hour Rated, Add	38.85	
23 33 13 19-0267 EA 44" x 10" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	295.98	32.59
For Dynamic Damper, Add	44.57	
For 3 Hour Rated, Add	39.62	
23 33 13 19-0268 EA 44" x 12" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	303.01	34.53
For Dynamic Damper, Add	44.87	
For 3 Hour Rated, Add	39.88	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 19-0269 EA 44" x 14" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	313.92 46.02 40.91	36.38
23 33 13 19-0270 EA 44" x 16" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	324.83 47.18 41.94	38.34
23 33 13 19-0271 EA 44" x 18" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	354.31 48.63 43.23	46.05
23 33 13 19-0272 EA 44" x 20" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	372.25 50.08 44.52	49.85
23 33 13 19-0273 EA 44" x 24" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	396.66 52.98 47.09	53.66
23 33 13 19-0274 EA 44" x 28" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	419.76 55.59 49.41	57.56
23 33 13 19-0275 EA 44" x 32" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	444.15 58.49 51.99	61.36
23 33 13 19-0276 EA 44" x 36" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	461.50 61.10 54.31	63.21
23 33 13 19-0277 EA 44" x 40" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	478.86 63.71 56.63	65.16
23 33 13 19-0278 EA 44" x 44" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	496.22 66.32 58.95	67.12
23 33 13 19-0279 EA 48" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	285.05 43.41 38.59	30.63
23 33 13 19-0280 EA 48" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	295.98 44.57 39.62	32.59
23 33 13 19-0281 EA 48" x 10" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	303.01 44.87 39.88	34.53
23 33 13 19-0282 EA 48" x 12" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	318.39 45.73 40.65	38.34
23 33 13 19-0283 EA 48" x 14" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	335.05 46.89 41.68	42.14
23 33 13 19-0284 EA 48" x 16" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	351.73 48.05 42.71	46.05
23 33 13 19-0285 EA 48" x 18" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	370.97 49.79 44.26	49.85
23 33 13 19-0286 EA 48" x 20" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	390.21 51.53 45.80	53.66
23 33 13 19-0287 EA 48" x 24" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	413.31 54.14 48.12	57.56
23 33 13 19-0288 EA 48" x 28" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	439.00 57.33 50.96	61.36
23 33 13 19-0289 EA 48" x 32" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	456.36 59.94 53.28	63.21
23 33 13 19-0290 EA 48" x 36" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	477.57 63.42 56.37	65.16
23 33 13 19-0291 EA 48" x 40" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	500.69 66.03 58.69	68.96
23 33 13 19-0292 EA 48" x 44" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	521.90 69.50 61.78	70.92
23 33 13 19-0293 EA 48" x 48" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	549.48 71.82 63.84	76.68
23 33 13 19-0294 EA 52" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	294.69 44.28 39.36	32.59
23 33 13 19-0295 EA 52" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	305.58 45.44 40.39	34.53
23 33 13 19-0296 EA 52" x 10" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	322.25 46.60 41.42	38.34

23 Heating, Ventilating, And Air-Conditioning (HVAC)

23 30 HVAC Air Distribution

23 33 Air Duct Accessories



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 19-0297	EA		52" x 12" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	335.05 46.89 41.68	42.14
23 33 13 19-0298	EA		52" x 14" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	352.38 48.20 42.84	46.05
23 33 13 19-0299	EA		52" x 16" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	369.68 49.50 44.00	49.85
23 33 13 19-0300	EA		52" x 18" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	388.93 51.24 45.55	53.66
23 33 13 19-0301	EA		52" x 20" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	408.16 52.98 47.09	57.56
23 33 13 19-0302	EA		52" x 24" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	431.28 55.59 49.41	61.36
23 33 13 19-0303	EA		52" x 28" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	458.24 59.07 52.50	65.16
23 33 13 19-0304	EA		52" x 32" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	476.88 61.97 55.08	67.12
23 33 13 19-0305	EA		52" x 36" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	499.40 65.74 58.43	68.96
23 33 13 19-0306	EA		52" x 40" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	526.36 69.21 61.52	72.88
23 33 13 19-0307	EA		52" x 44" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	549.48 71.82 63.84	76.68
23 33 13 19-0308	EA		52" x 48" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	582.21 75.30 66.94	82.43
23 33 13 19-0309	EA		52" x 52" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	606.61 78.20 69.51	86.23
23 33 13 19-0310	EA		56" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	303.01 44.87 39.88	34.53
23 33 13 19-0311	EA		56" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	320.96 46.31 41.17	38.34
23 33 13 19-0312	EA		56" x 10" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	336.34 47.18 41.94	42.14
23 33 13 19-0313	EA		56" x 12" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	349.14 47.47 42.20	46.05
23 33 13 19-0314	EA		56" x 14" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	367.75 49.07 43.62	49.85
23 33 13 19-0315	EA		56" x 16" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	386.35 50.66 45.03	53.66
23 33 13 19-0316	EA		56" x 18" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	404.94 52.26 46.45	57.56
23 33 13 19-0317	EA		56" x 20" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	423.54 53.85 47.87	61.36
23 33 13 19-0318	EA		56" x 24" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	450.51 57.33 50.96	65.16
23 33 13 19-0319	EA		56" x 28" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	471.74 60.81 54.05	67.12
23 33 13 19-0320	EA		56" x 32" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	491.67 64.00 56.89	68.96
23 33 13 19-0321	EA		56" x 36" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	521.22 68.06 60.49	72.88
23 33 13 19-0322	EA		56" x 40" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	548.19 71.53 63.59	76.68
23 33 13 19-0323	EA		56" x 44" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	576.45 75.30 66.94	80.47
23 33 13 19-0324	EA		56" x 48" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	600.86 78.20 69.51	84.39



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 19-0325 EA 56" x 52" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	629.12 81.97 72.86	88.19
23 33 13 19-0326 EA 56" x 56" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	657.39 85.74 76.21	91.99
23 33 13 19-0327 EA 60" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	318.39 45.73 40.65	38.34
23 33 13 19-0328 EA 60" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	336.34 47.18 41.94	42.14
23 33 13 19-0329 EA 60" x 10" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	350.43 47.76 42.45	46.05
23 33 13 19-0330 EA 60" x 12" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	363.24 48.05 42.71	49.85
23 33 13 19-0331 EA 60" x 14" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	382.49 49.79 44.26	53.66
23 33 13 19-0332 EA 60" x 16" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	401.71 51.53 45.80	57.56
23 33 13 19-0333 EA 60" x 18" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	421.61 53.42 47.48	61.36
23 33 13 19-0334 EA 60" x 20" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	441.49 55.30 49.15	65.16
23 33 13 19-0335 EA 60" x 24" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	464.00 59.07 52.50	67.12
23 33 13 19-0336 EA 60" x 28" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	485.22 62.55 55.60	68.96
23 33 13 19-0337 EA 60" x 32" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	513.49 66.32 58.95	72.88
23 33 13 19-0338 EA 60" x 36" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	541.75 70.09 62.30	76.68
23 33 13 19-0339 EA 60" x 40" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	566.14 72.98 64.87	80.47
23 33 13 19-0340 EA 60" x 44" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	598.27 77.62 69.00	84.39
23 33 13 19-0341 EA 60" x 48" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	627.82 81.68 72.60	88.19
23 33 13 19-0342 EA 60" x 52" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	657.39 85.74 76.21	91.99
23 33 13 19-0343 EA 60" x 56" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	684.34 89.21 79.30	95.91
23 33 13 19-0344 EA 60" x 60" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	711.33 92.70 82.40	99.70

23 33 13 23 Backdraft Dampers (23 33 13)

23 33 13 23-0001 Horizontally Mounted Backdraft Damper (23 33 13 23)

Note: Galvanized steel frame, aluminum blades. Exclude motor pack.

23 33 13 23-0002 EA 6" x 6" Horizontally Mounted Backdraft Damper	60.79	12.78
23 33 13 23-0003 EA 8" x 6" Horizontally Mounted Backdraft Damper	69.98	13.35
23 33 13 23-0004 EA 8" x 8" Horizontally Mounted Backdraft Damper	80.19	13.47
23 33 13 23-0005 EA 10" x 6" Horizontally Mounted Backdraft Damper	77.70	13.47
23 33 13 23-0006 EA 10" x 8" Horizontally Mounted Backdraft Damper	75.89	13.82
23 33 13 23-0007 EA 10" x 10" Horizontally Mounted Backdraft Damper	89.10	15.31
23 33 13 23-0008 EA 12" x 6" Horizontally Mounted Backdraft Damper	72.45	13.82
23 33 13 23-0009 EA 12" x 8" Horizontally Mounted Backdraft Damper	87.38	15.31
23 33 13 23-0010 EA 12" x 10" Horizontally Mounted Backdraft Damper	85.97	16.12
23 33 13 23-0011 EA 12" x 12" Horizontally Mounted Backdraft Damper	96.96	17.27
23 33 13 23-0012 EA 14" x 6" Horizontally Mounted Backdraft Damper	79.91	14.62
23 33 13 23-0013 EA 14" x 8" Horizontally Mounted Backdraft Damper	83.46	16.12
23 33 13 23-0014 EA 14" x 10" Horizontally Mounted Backdraft Damper	95.71	17.27
23 33 13 23-0015 EA 14" x 12" Horizontally Mounted Backdraft Damper	91.33	19.23
23 33 13 23-0016 EA 14" x 14" Horizontally Mounted Backdraft Damper	102.72	21.07
23 33 13 23-0017 EA 16" x 6" Horizontally Mounted Backdraft Damper	87.38	15.31
23 33 13 23-0018 EA 16" x 8" Horizontally Mounted Backdraft Damper	91.94	17.27
23 33 13 23-0019 EA 16" x 10" Horizontally Mounted Backdraft Damper	89.72	19.23
23 33 13 23-0020 EA 16" x 12" Horizontally Mounted Backdraft Damper	96.15	19.23

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 33 Air Duct Accessories**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33	13 23	0021	EA 16" x 14" Horizontally Mounted Backdraft Damper	108.34	21.07
23 33	13 23	0022	EA 16" x 16" Horizontally Mounted Backdraft Damper	120.53	23.03
23 33	13 23	0023	EA 18" x 6" Horizontally Mounted Backdraft Damper	82.21	16.12
23 33	13 23	0024	EA 18" x 8" Horizontally Mounted Backdraft Damper	80.75	17.27
23 33	13 23	0025	EA 18" x 10" Horizontally Mounted Backdraft Damper	93.73	19.23
23 33	13 23	0026	EA 18" x 12" Horizontally Mounted Backdraft Damper	106.73	21.07
23 33	13 23	0027	EA 18" x 14" Horizontally Mounted Backdraft Damper	119.72	23.03
23 33	13 23	0028	EA 18" x 16" Horizontally Mounted Backdraft Damper	134.57	24.87
23 33	13 23	0029	EA 18" x 18" Horizontally Mounted Backdraft Damper	153.55	28.79
23 33	13 23	0030	EA 18" x 20" Horizontally Mounted Backdraft Damper	137.40	30.63
23 33	13 23	0031	EA 18" x 24" Horizontally Mounted Backdraft Damper	157.95	34.53
23 33	13 23	0032	EA 20" x 6" Horizontally Mounted Backdraft Damper	89.43	17.27
23 33	13 23	0033	EA 20" x 8" Horizontally Mounted Backdraft Damper	89.72	19.23
23 33	13 23	0034	EA 20" x 10" Horizontally Mounted Backdraft Damper	103.51	21.07
23 33	13 23	0035	EA 20" x 12" Horizontally Mounted Backdraft Damper	117.32	23.03
23 33	13 23	0036	EA 20" x 14" Horizontally Mounted Backdraft Damper	132.92	24.87
23 33	13 23	0037	EA 20" x 16" Horizontally Mounted Backdraft Damper	146.96	26.83
23 33	13 23	0038	EA 20" x 18" Horizontally Mounted Backdraft Damper	137.40	30.63
23 33	13 23	0039	EA 20" x 20" Horizontally Mounted Backdraft Damper	142.43	30.63
23 33	13 23	0040	EA 20" x 24" Horizontally Mounted Backdraft Damper	163.99	34.53
23 33	13 23	0041	EA 20" x 28" Horizontally Mounted Backdraft Damper	185.56	38.34
23 33	13 23	0042	EA 20" x 32" Horizontally Mounted Backdraft Damper	184.14	42.14
23 33	13 23	0043	EA 20" x 36" Horizontally Mounted Backdraft Damper	202.84	46.05
23 33	13 23	0044	EA 24" x 6" Horizontally Mounted Backdraft Damper	86.50	19.23
23 33	13 23	0045	EA 24" x 8" Horizontally Mounted Backdraft Damper	101.91	21.07
23 33	13 23	0046	EA 24" x 10" Horizontally Mounted Backdraft Damper	117.32	23.03
23 33	13 23	0047	EA 24" x 12" Horizontally Mounted Backdraft Damper	134.57	24.87
23 33	13 23	0048	EA 24" x 14" Horizontally Mounted Backdraft Damper	128.61	28.79
23 33	13 23	0049	EA 24" x 16" Horizontally Mounted Backdraft Damper	140.41	30.63
23 33	13 23	0050	EA 24" x 18" Horizontally Mounted Backdraft Damper	157.95	34.53
23 33	13 23	0051	EA 24" x 20" Horizontally Mounted Backdraft Damper	163.99	34.53
23 33	13 23	0052	EA 24" x 24" Horizontally Mounted Backdraft Damper	187.58	38.34
23 33	13 23	0053	EA 24" x 28" Horizontally Mounted Backdraft Damper	187.00	42.14
23 33	13 23	0054	EA 24" x 32" Horizontally Mounted Backdraft Damper	207.16	46.05
23 33	13 23	0055	EA 24" x 36" Horizontally Mounted Backdraft Damper	227.29	49.85
23 33	13 23	0056	EA 24" x 40" Horizontally Mounted Backdraft Damper	230.19	53.66
23 33	13 23	0057	EA 24" x 44" Horizontally Mounted Backdraft Damper	248.58	57.56
23 33	13 23	0058	EA 24" x 48" Horizontally Mounted Backdraft Damper	255.48	57.56
23 33	13 23	0059	EA 28" x 6" Horizontally Mounted Backdraft Damper	91.33	19.23
23 33	13 23	0060	EA 28" x 8" Horizontally Mounted Backdraft Damper	108.34	21.07
23 33	13 23	0061	EA 28" x 10" Horizontally Mounted Backdraft Damper	132.92	24.87
23 33	13 23	0062	EA 28" x 12" Horizontally Mounted Backdraft Damper	128.61	28.79
23 33	13 23	0063	EA 28" x 14" Horizontally Mounted Backdraft Damper	141.42	30.63
23 33	13 23	0064	EA 28" x 16" Horizontally Mounted Backdraft Damper	159.96	34.53
23 33	13 23	0065	EA 28" x 18" Horizontally Mounted Backdraft Damper	178.53	38.34
23 33	13 23	0066	EA 28" x 20" Horizontally Mounted Backdraft Damper	185.56	38.34
23 33	13 23	0067	EA 28" x 24" Horizontally Mounted Backdraft Damper	187.00	42.14
23 33	13 23	0068	EA 28" x 28" Horizontally Mounted Backdraft Damper	208.59	46.05
23 33	13 23	0069	EA 28" x 32" Horizontally Mounted Backdraft Damper	230.16	49.85
23 33	13 23	0070	EA 28" x 36" Horizontally Mounted Backdraft Damper	245.13	57.56
23 33	13 23	0071	EA 28" x 40" Horizontally Mounted Backdraft Damper	253.18	57.56
23 33	13 23	0072	EA 28" x 44" Horizontally Mounted Backdraft Damper	272.75	61.36
23 33	13 23	0073	EA 28" x 48" Horizontally Mounted Backdraft Damper	292.31	65.16
23 33	13 23	0074	EA 28" x 52" Horizontally Mounted Backdraft Damper	300.36	65.16
23 33	13 23	0075	EA 28" x 56" Horizontally Mounted Backdraft Damper	305.85	68.96
23 33	13 23	0076	EA 28" x 60" Horizontally Mounted Backdraft Damper	312.88	68.96
23 33	13 23	0077	EA 32" x 6" Horizontally Mounted Backdraft Damper	101.91	21.07
23 33	13 23	0078	EA 32" x 8" Horizontally Mounted Backdraft Damper	127.94	24.87
23 33	13 23	0079	EA 32" x 10" Horizontally Mounted Backdraft Damper	146.96	26.83
23 33	13 23	0080	EA 32" x 12" Horizontally Mounted Backdraft Damper	140.41	30.63
23 33	13 23	0081	EA 32" x 14" Horizontally Mounted Backdraft Damper	159.96	34.53
23 33	13 23	0082	EA 32" x 16" Horizontally Mounted Backdraft Damper	179.53	38.34
23 33	13 23	0083	EA 32" x 18" Horizontally Mounted Backdraft Damper	166.87	38.34
23 33	13 23	0084	EA 32" x 20" Horizontally Mounted Backdraft Damper	184.14	42.14
23 33	13 23	0085	EA 32" x 24" Horizontally Mounted Backdraft Damper	207.16	46.05
23 33	13 23	0086	EA 32" x 28" Horizontally Mounted Backdraft Damper	230.16	49.85
23 33	13 23	0087	EA 32" x 32" Horizontally Mounted Backdraft Damper	246.28	57.56
23 33	13 23	0088	EA 32" x 36" Horizontally Mounted Backdraft Damper	255.48	57.56
23 33	13 23	0089	EA 32" x 40" Horizontally Mounted Backdraft Damper	276.20	61.36
23 33	13 23	0090	EA 32" x 44" Horizontally Mounted Backdraft Damper	296.91	65.16
23 33	13 23	0091	EA 32" x 48" Horizontally Mounted Backdraft Damper	303.83	68.96
23 33	13 23	0092	EA 32" x 52" Horizontally Mounted Backdraft Damper	311.88	68.96
23 33	13 23	0093	EA 32" x 56" Horizontally Mounted Backdraft Damper	331.44	72.88
23 33	13 23	0094	EA 32" x 60" Horizontally Mounted Backdraft Damper	339.49	72.88
23 33	13 23	0095	EA 32" x 64" Horizontally Mounted Backdraft Damper	340.65	76.68
23 33	13 23	0096	EA 32" x 68" Horizontally Mounted Backdraft Damper	347.54	76.68
23 33	13 23	0097	EA 32" x 72" Horizontally Mounted Backdraft Damper	365.95	80.47
23 33	13 23	0098	EA 36" x 6" Horizontally Mounted Backdraft Damper	106.73	21.07
23 33	13 23	0099	EA 36" x 8" Horizontally Mounted Backdraft Damper	140.32	26.83
23 33	13 23	0100	EA 36" x 10" Horizontally Mounted Backdraft Damper	137.40	30.63
23 33	13 23	0101	EA 36" x 12" Horizontally Mounted Backdraft Damper	157.95	34.53



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 23-0102 EA 36" x 14" Horizontally Mounted Backdraft Damper	178.53	38.34
23 33 13 23-0103 EA 36" x 16" Horizontally Mounted Backdraft Damper	166.87	38.34
23 33 13 23-0104 EA 36" x 18" Horizontally Mounted Backdraft Damper	184.85	42.14
23 33 13 23-0105 EA 36" x 20" Horizontally Mounted Backdraft Damper	202.84	46.05
23 33 13 23-0106 EA 36" x 24" Horizontally Mounted Backdraft Damper	227.29	49.85
23 33 13 23-0107 EA 36" x 28" Horizontally Mounted Backdraft Damper	245.13	57.56
23 33 13 23-0108 EA 36" x 32" Horizontally Mounted Backdraft Damper	255.48	57.56
23 33 13 23-0109 EA 36" x 36" Horizontally Mounted Backdraft Damper	277.35	61.36
23 33 13 23-0110 EA 36" x 40" Horizontally Mounted Backdraft Damper	299.21	65.16
23 33 13 23-0111 EA 36" x 44" Horizontally Mounted Backdraft Damper	306.84	68.96
23 33 13 23-0112 EA 36" x 48" Horizontally Mounted Backdraft Damper	327.41	72.88
23 33 13 23-0113 EA 36" x 52" Horizontally Mounted Backdraft Damper	336.47	72.88
23 33 13 23-0114 EA 36" x 56" Horizontally Mounted Backdraft Damper	338.92	76.68
23 33 13 23-0115 EA 36" x 60" Horizontally Mounted Backdraft Damper	346.68	76.68
23 33 13 23-0116 EA 36" x 64" Horizontally Mounted Backdraft Damper	365.95	80.47
23 33 13 23-0117 EA 36" x 68" Horizontally Mounted Backdraft Damper	373.71	80.47
23 33 13 23-0118 EA 36" x 72" Horizontally Mounted Backdraft Damper	381.48	80.47
23 33 13 23-0119 EA 40" x 6" Horizontally Mounted Backdraft Damper	117.32	23.03
23 33 13 23-0120 EA 40" x 8" Horizontally Mounted Backdraft Damper	152.72	28.79
23 33 13 23-0121 EA 40" x 10" Horizontally Mounted Backdraft Damper	142.43	30.63
23 33 13 23-0122 EA 40" x 12" Horizontally Mounted Backdraft Damper	163.99	34.53
23 33 13 23-0123 EA 40" x 14" Horizontally Mounted Backdraft Damper	185.56	38.34
23 33 13 23-0124 EA 40" x 16" Horizontally Mounted Backdraft Damper	184.14	42.14
23 33 13 23-0125 EA 40" x 18" Horizontally Mounted Backdraft Damper	202.84	46.05
23 33 13 23-0126 EA 40" x 20" Horizontally Mounted Backdraft Damper	221.53	49.85
23 33 13 23-0127 EA 40" x 24" Horizontally Mounted Backdraft Damper	230.19	53.66
23 33 13 23-0128 EA 40" x 28" Horizontally Mounted Backdraft Damper	253.18	57.56
23 33 13 23-0129 EA 40" x 32" Horizontally Mounted Backdraft Damper	276.20	61.36
23 33 13 23-0130 EA 40" x 36" Horizontally Mounted Backdraft Damper	299.21	65.16
23 33 13 23-0131 EA 40" x 40" Horizontally Mounted Backdraft Damper	307.85	68.96
23 33 13 23-0132 EA 40" x 44" Horizontally Mounted Backdraft Damper	329.42	72.88
23 33 13 23-0133 EA 40" x 48" Horizontally Mounted Backdraft Damper	339.49	72.88
23 33 13 23-0134 EA 40" x 50" Horizontally Mounted Backdraft Damper	338.06	76.68
23 33 13 23-0135 EA 44" x 6" Horizontally Mounted Backdraft Damper	129.60	24.87
23 33 13 23-0136 EA 44" x 8" Horizontally Mounted Backdraft Damper	136.39	30.63
23 33 13 23-0137 EA 44" x 10" Horizontally Mounted Backdraft Damper	158.96	34.53
23 33 13 23-0138 EA 44" x 12" Horizontally Mounted Backdraft Damper	181.54	38.34
23 33 13 23-0139 EA 44" x 14" Horizontally Mounted Backdraft Damper	181.98	42.14
23 33 13 23-0140 EA 44" x 16" Horizontally Mounted Backdraft Damper	201.40	46.05
23 33 13 23-0141 EA 44" x 18" Horizontally Mounted Backdraft Damper	209.31	46.05
23 33 13 23-0142 EA 44" x 20" Horizontally Mounted Backdraft Damper	228.72	49.85
23 33 13 23-0143 EA 44" x 24" Horizontally Mounted Backdraft Damper	248.58	57.56
23 33 13 23-0144 EA 44" x 28" Horizontally Mounted Backdraft Damper	272.75	61.36
23 33 13 23-0145 EA 44" x 32" Horizontally Mounted Backdraft Damper	296.91	65.16
23 33 13 23-0146 EA 44" x 36" Horizontally Mounted Backdraft Damper	306.84	68.96
23 33 13 23-0147 EA 44" x 40" Horizontally Mounted Backdraft Damper	329.42	72.88
23 33 13 23-0148 EA 44" x 44" Horizontally Mounted Backdraft Damper	340.49	72.88
23 33 13 23-0149 EA 44" x 48" Horizontally Mounted Backdraft Damper	344.10	76.68
23 33 13 23-0150 EA 44" x 50" Horizontally Mounted Backdraft Damper	348.84	76.68
23 33 13 23-0151 EA 48" x 6" Horizontally Mounted Backdraft Damper	140.32	26.83
23 33 13 23-0152 EA 48" x 8" Horizontally Mounted Backdraft Damper	140.41	30.63
23 33 13 23-0153 EA 48" x 10" Horizontally Mounted Backdraft Damper	163.99	34.53
23 33 13 23-0154 EA 48" x 12" Horizontally Mounted Backdraft Damper	166.87	38.34
23 33 13 23-0155 EA 48" x 14" Horizontally Mounted Backdraft Damper	187.00	42.14
23 33 13 23-0156 EA 48" x 16" Horizontally Mounted Backdraft Damper	207.16	46.05
23 33 13 23-0157 EA 48" x 18" Horizontally Mounted Backdraft Damper	227.29	49.85
23 33 13 23-0158 EA 48" x 20" Horizontally Mounted Backdraft Damper	230.19	53.66
23 33 13 23-0159 EA 48" x 24" Horizontally Mounted Backdraft Damper	255.48	57.56
23 33 13 23-0160 EA 48" x 28" Horizontally Mounted Backdraft Damper	292.31	65.16
23 33 13 23-0161 EA 48" x 32" Horizontally Mounted Backdraft Damper	303.83	68.96
23 33 13 23-0162 EA 48" x 36" Horizontally Mounted Backdraft Damper	327.41	72.88
23 33 13 23-0163 EA 48" x 40" Horizontally Mounted Backdraft Damper	339.49	72.88
23 33 13 23-0164 EA 48" x 44" Horizontally Mounted Backdraft Damper	344.10	76.68
23 33 13 23-0165 EA 48" x 48" Horizontally Mounted Backdraft Damper	365.95	80.47
23 33 13 23-0166 EA 48" x 50" Horizontally Mounted Backdraft Damper	371.13	80.47
23 33 13 23-0167 EA 50" x 6" Horizontally Mounted Backdraft Damper	142.81	26.83
23 33 13 23-0168 EA 50" x 8" Horizontally Mounted Backdraft Damper	153.93	34.53
23 33 13 23-0169 EA 50" x 10" Horizontally Mounted Backdraft Damper	178.03	38.34
23 33 13 23-0170 EA 50" x 12" Horizontally Mounted Backdraft Damper	180.54	42.14
23 33 13 23-0171 EA 50" x 14" Horizontally Mounted Backdraft Damper	201.04	46.05
23 33 13 23-0172 EA 50" x 16" Horizontally Mounted Backdraft Damper	221.53	49.85
23 33 13 23-0173 EA 50" x 18" Horizontally Mounted Backdraft Damper	242.04	53.66
23 33 13 23-0174 EA 50" x 20" Horizontally Mounted Backdraft Damper	244.55	57.56
23 33 13 23-0175 EA 50" x 24" Horizontally Mounted Backdraft Damper	270.45	61.36
23 33 13 23-0176 EA 50" x 28" Horizontally Mounted Backdraft Damper	296.33	65.16
23 33 13 23-0177 EA 50" x 32" Horizontally Mounted Backdraft Damper	307.85	68.96
23 33 13 23-0178 EA 50" x 36" Horizontally Mounted Backdraft Damper	331.94	72.88
23 33 13 23-0179 EA 50" x 40" Horizontally Mounted Backdraft Damper	338.06	76.68
23 33 13 23-0180 EA 50" x 44" Horizontally Mounted Backdraft Damper	348.84	76.68
23 33 13 23-0181 EA 50" x 48" Horizontally Mounted Backdraft Damper	371.13	80.47
23 33 13 23-0182 EA 50" x 50" Horizontally Mounted Backdraft Damper	376.52	80.47

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 33 Air Duct Accessories**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST**23 33 13 23-0183****Vertically Mounted Backdraft Damper** (23 33 13 23)

Note: Galvanized steel frame, aluminum blades. Excludes motor pack.

23 33 13 23-0184	EA	6" x 6" Vertically Mounted Backdraft Damper	64.19	12.78
23 33 13 23-0185	EA	8" x 6" Vertically Mounted Backdraft Damper	74.53	13.35
23 33 13 23-0186	EA	10" x 6" Vertically Mounted Backdraft Damper	76.20	13.47
23 33 13 23-0187	EA	8" x 8" Vertically Mounted Backdraft Damper	78.59	13.47
23 33 13 23-0188	EA	12" x 6" Vertically Mounted Backdraft Damper	84.54	13.82
23 33 13 23-0189	EA	10" x 8" Vertically Mounted Backdraft Damper	93.93	15.31
23 33 13 23-0190	EA	14" x 6" Vertically Mounted Backdraft Damper	91.72	13.82
23 33 13 23-0191	EA	12" x 8" Vertically Mounted Backdraft Damper	103.51	15.31
23 33 13 23-0192	EA	16" x 6" Vertically Mounted Backdraft Damper	105.81	16.12
23 33 13 23-0193	EA	10" x 10" Vertically Mounted Backdraft Damper	111.66	17.27
23 33 13 23-0194	EA	18" x 6" Vertically Mounted Backdraft Damper	91.00	14.62
23 33 13 23-0195	EA	14" x 8" Vertically Mounted Backdraft Damper	97.35	16.12
23 33 13 23-0196	EA	12" x 10" Vertically Mounted Backdraft Damper	104.31	17.27
23 33 13 23-0197	EA	20" x 6" Vertically Mounted Backdraft Damper	110.06	19.23
23 33 13 23-0198	EA	16" x 8" Vertically Mounted Backdraft Damper	119.32	21.07
23 33 13 23-0199	EA	14" x 10" Vertically Mounted Backdraft Damper	107.30	15.31
23 33 13 23-0200	EA	12" x 12" Vertically Mounted Backdraft Damper	114.81	17.27
23 33 13 23-0201	EA	18" x 8" Vertically Mounted Backdraft Damper	107.71	19.23
23 33 13 23-0202	EA	24" x 6" Vertically Mounted Backdraft Damper	107.71	19.23
23 33 13 23-0203	EA	16" x 10" Vertically Mounted Backdraft Damper	119.03	21.07
23 33 13 23-0204	EA	20" x 8" Vertically Mounted Backdraft Damper	124.79	23.03
23 33 13 23-0205	EA	14" x 12" Vertically Mounted Backdraft Damper	106.85	16.12
23 33 13 23-0206	EA	28" x 6" Vertically Mounted Backdraft Damper	110.31	17.27
23 33 13 23-0207	EA	18" x 10" Vertically Mounted Backdraft Damper	120.23	19.23
23 33 13 23-0208	EA	16" x 12" Vertically Mounted Backdraft Damper	130.17	21.07
23 33 13 23-0209	EA	24" x 8" Vertically Mounted Backdraft Damper	135.93	23.03
23 33 13 23-0210	EA	32" x 6" Vertically Mounted Backdraft Damper	141.69	24.87
23 33 13 23-0211	EA	14" x 14" Vertically Mounted Backdraft Damper	154.60	28.79
23 33 13 23-0212	EA	20" x 10" Vertically Mounted Backdraft Damper	156.92	30.63
23 33 13 23-0213	EA	18" x 12" Vertically Mounted Backdraft Damper	173.60	34.53
23 33 13 23-0214	EA	36" x 6" Vertically Mounted Backdraft Damper	121.80	17.27
23 33 13 23-0215	EA	16" x 14" Vertically Mounted Backdraft Damper	130.15	19.23
23 33 13 23-0216	EA	28" x 8" Vertically Mounted Backdraft Damper	135.91	21.07
23 33 13 23-0217	EA	20" x 12" Vertically Mounted Backdraft Damper	146.84	23.03
23 33 13 23-0218	EA	24" x 10" Vertically Mounted Backdraft Damper	152.60	24.87
23 33 13 23-0219	EA	40" x 6" Vertically Mounted Backdraft Damper	158.35	26.83
23 33 13 23-0220	EA	18" x 14" Vertically Mounted Backdraft Damper	173.77	30.63
23 33 13 23-0221	EA	16" x 16" Vertically Mounted Backdraft Damper	175.06	30.63
23 33 13 23-0222	EA	32" x 8" Vertically Mounted Backdraft Damper	186.56	34.53
23 33 13 23-0223	EA	44" x 6" Vertically Mounted Backdraft Damper	200.67	38.34
23 33 13 23-0224	EA	20" x 14" Vertically Mounted Backdraft Damper	217.37	42.14
23 33 13 23-0225	EA	28" x 10" Vertically Mounted Backdraft Damper	228.89	46.05
23 33 13 23-0226	EA	18" x 16" Vertically Mounted Backdraft Damper	150.88	19.23
23 33 13 23-0227	EA	24" x 12" Vertically Mounted Backdraft Damper	156.64	21.07
23 33 13 23-0228	EA	36" x 8" Vertically Mounted Backdraft Damper	162.40	23.03
23 33 13 23-0229	EA	48" x 6" Vertically Mounted Backdraft Damper	168.16	24.87
23 33 13 23-0230	EA	50" x 6" Vertically Mounted Backdraft Damper	183.56	28.79
23 33 13 23-0231	EA	20" x 16" Vertically Mounted Backdraft Damper	195.80	30.63
23 33 13 23-0232	EA	32" x 10" Vertically Mounted Backdraft Damper	207.30	34.53
23 33 13 23-0233	EA	40" x 8" Vertically Mounted Backdraft Damper	207.30	34.53
23 33 13 23-0234	EA	18" x 18" Vertically Mounted Backdraft Damper	198.08	38.34
23 33 13 23-0235	EA	24" x 14" Vertically Mounted Backdraft Damper	198.07	42.14
23 33 13 23-0236	EA	28" x 12" Vertically Mounted Backdraft Damper	209.59	46.05
23 33 13 23-0237	EA	44" x 8" Vertically Mounted Backdraft Damper	224.50	49.85
23 33 13 23-0238	EA	18" x 20" Vertically Mounted Backdraft Damper	237.72	53.66
23 33 13 23-0239	EA	20" x 18" Vertically Mounted Backdraft Damper	249.22	57.56
23 33 13 23-0240	EA	36" x 10" Vertically Mounted Backdraft Damper	249.22	57.56
23 33 13 23-0241	EA	24" x 16" Vertically Mounted Backdraft Damper	139.20	19.23
23 33 13 23-0242	EA	32" x 12" Vertically Mounted Backdraft Damper	144.96	21.07
23 33 13 23-0243	EA	48" x 8" Vertically Mounted Backdraft Damper	156.48	24.87
23 33 13 23-0244	EA	28" x 14" Vertically Mounted Backdraft Damper	169.69	28.79
23 33 13 23-0245	EA	20" x 20" Vertically Mounted Backdraft Damper	177.15	30.63
23 33 13 23-0246	EA	40" x 10" Vertically Mounted Backdraft Damper	188.65	34.53
23 33 13 23-0247	EA	50" x 8" Vertically Mounted Backdraft Damper	200.17	38.34
23 33 13 23-0248	EA	18" x 24" Vertically Mounted Backdraft Damper	206.97	38.34
23 33 13 23-0249	EA	24" x 18" Vertically Mounted Backdraft Damper	218.48	42.14
23 33 13 23-0250	EA	36" x 12" Vertically Mounted Backdraft Damper	230.00	46.05
23 33 13 23-0251	EA	44" x 10" Vertically Mounted Backdraft Damper	243.21	49.85
23 33 13 23-0252	EA	28" x 16" Vertically Mounted Backdraft Damper	267.94	57.56
23 33 13 23-0253	EA	32" x 14" Vertically Mounted Backdraft Damper	267.94	57.56
23 33 13 23-0254	EA	20" x 24" Vertically Mounted Backdraft Damper	287.11	61.36
23 33 13 23-0255	EA	24" x 20" Vertically Mounted Backdraft Damper	282.95	65.16
23 33 13 23-0256	EA	40" x 12" Vertically Mounted Backdraft Damper	282.95	65.16
23 33 13 23-0257	EA	48" x 10" Vertically Mounted Backdraft Damper	294.47	68.96
23 33 13 23-0258	EA	50" x 10" Vertically Mounted Backdraft Damper	298.11	68.96
23 33 13 23-0259	EA	28" x 18" Vertically Mounted Backdraft Damper	154.91	21.07
23 33 13 23-0260	EA	36" x 14" Vertically Mounted Backdraft Damper	166.43	24.87



Heating, Ventilating, And Air-Conditioning (HVAC)	23
HVAC Air Distribution	23 30
Air Duct Accessories	23 33

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 23-0261 EA 32" x 16" Vertically Mounted Backdraft Damper	173.64	26.83
23 33 13 23-0262 EA 44" x 12" Vertically Mounted Backdraft Damper	188.06	30.63
23 33 13 23-0263 EA 20" x 28" Vertically Mounted Backdraft Damper	205.38	34.53
23 33 13 23-0264 EA 28" x 20" Vertically Mounted Backdraft Damper	216.90	38.34
23 33 13 23-0265 EA 40" x 14" Vertically Mounted Backdraft Damper	216.90	38.34
23 33 13 23-0266 EA 24" x 24" Vertically Mounted Backdraft Damper	231.31	42.14
23 33 13 23-0267 EA 32" x 18" Vertically Mounted Backdraft Damper	242.83	46.05
23 33 13 23-0268 EA 36" x 16" Vertically Mounted Backdraft Damper	254.34	49.85
23 33 13 23-0269 EA 48" x 12" Vertically Mounted Backdraft Damper	277.36	57.56
23 33 13 23-0270 EA 50" x 12" Vertically Mounted Backdraft Damper	281.73	57.56
23 33 13 23-0271 EA 44" x 14" Vertically Mounted Backdraft Damper	296.16	61.36
23 33 13 23-0272 EA 20" x 32" Vertically Mounted Backdraft Damper	312.03	65.16
23 33 13 23-0273 EA 32" x 20" Vertically Mounted Backdraft Damper	323.55	68.96
23 33 13 23-0274 EA 40" x 16" Vertically Mounted Backdraft Damper	323.55	68.96
23 33 13 23-0275 EA 36" x 18" Vertically Mounted Backdraft Damper	336.51	72.88
23 33 13 23-0276 EA 24" x 28" Vertically Mounted Backdraft Damper	341.60	72.88
23 33 13 23-0277 EA 28" x 24" Vertically Mounted Backdraft Damper	342.58	76.68
23 33 13 23-0278 EA 48" x 14" Vertically Mounted Backdraft Damper	342.58	76.68
23 33 13 23-0279 EA 50" x 14" Vertically Mounted Backdraft Damper	358.77	80.47
23 33 13 23-0280 EA 44" x 16" Vertically Mounted Backdraft Damper	180.98	21.07
23 33 13 23-0281 EA 20" x 36" Vertically Mounted Backdraft Damper	200.93	26.83
23 33 13 23-0282 EA 36" x 20" Vertically Mounted Backdraft Damper	212.45	30.63
23 33 13 23-0283 EA 40" x 18" Vertically Mounted Backdraft Damper	223.95	34.53
23 33 13 23-0284 EA 24" x 32" Vertically Mounted Backdraft Damper	243.49	38.34
23 33 13 23-0285 EA 32" x 24" Vertically Mounted Backdraft Damper	243.49	38.34
23 33 13 23-0286 EA 48" x 16" Vertically Mounted Backdraft Damper	255.00	42.14
23 33 13 23-0287 EA 28" x 28" Vertically Mounted Backdraft Damper	269.20	46.05
23 33 13 23-0288 EA 44" x 18" Vertically Mounted Backdraft Damper	282.04	49.85
23 33 13 23-0289 EA 40" x 20" Vertically Mounted Backdraft Damper	306.40	57.56
23 33 13 23-0290 EA 50" x 16" Vertically Mounted Backdraft Damper	306.40	57.56
23 33 13 23-0291 EA 24" x 36" Vertically Mounted Backdraft Damper	328.62	61.36
23 33 13 23-0292 EA 36" x 24" Vertically Mounted Backdraft Damper	340.13	65.16
23 33 13 23-0293 EA 48" x 18" Vertically Mounted Backdraft Damper	351.65	68.96
23 33 13 23-0294 EA 44" x 20" Vertically Mounted Backdraft Damper	365.83	72.88
23 33 13 23-0295 EA 28" x 32" Vertically Mounted Backdraft Damper	368.51	72.88
23 33 13 23-0296 EA 32" x 28" Vertically Mounted Backdraft Damper	380.02	76.68
23 33 13 23-0297 EA 50" x 18" Vertically Mounted Backdraft Damper	380.68	76.68
23 33 13 23-0298 EA 24" x 40" Vertically Mounted Backdraft Damper	402.22	80.47
23 33 13 23-0299 EA 40" x 24" Vertically Mounted Backdraft Damper	402.22	80.47
23 33 13 23-0300 EA 48" x 20" Vertically Mounted Backdraft Damper	402.22	80.47
23 33 13 23-0301 EA 50" x 20" Vertically Mounted Backdraft Damper	236.22	23.03
23 33 13 23-0302 EA 28" x 36" Vertically Mounted Backdraft Damper	254.82	28.79
23 33 13 23-0303 EA 36" x 28" Vertically Mounted Backdraft Damper	260.58	30.63
23 33 13 23-0304 EA 32" x 32" Vertically Mounted Backdraft Damper	274.76	34.53
23 33 13 23-0305 EA 24" x 44" Vertically Mounted Backdraft Damper	272.55	38.34
23 33 13 23-0306 EA 44" x 24" Vertically Mounted Backdraft Damper	284.06	42.14
23 33 13 23-0307 EA 28" x 40" Vertically Mounted Backdraft Damper	305.11	46.05
23 33 13 23-0308 EA 40" x 28" Vertically Mounted Backdraft Damper	316.62	49.85
23 33 13 23-0309 EA 24" x 48" Vertically Mounted Backdraft Damper	332.92	53.66
23 33 13 23-0310 EA 32" x 36" Vertically Mounted Backdraft Damper	344.42	57.56
23 33 13 23-0311 EA 36" x 32" Vertically Mounted Backdraft Damper	355.94	61.36
23 33 13 23-0312 EA 48" x 24" Vertically Mounted Backdraft Damper	367.45	65.16
23 33 13 23-0313 EA 50" x 24" Vertically Mounted Backdraft Damper	386.12	68.96
23 33 13 23-0314 EA 28" x 44" Vertically Mounted Backdraft Damper	402.39	72.88
23 33 13 23-0315 EA 44" x 28" Vertically Mounted Backdraft Damper	402.39	72.88
23 33 13 23-0316 EA 32" x 40" Vertically Mounted Backdraft Damper	421.07	76.68
23 33 13 23-0317 EA 40" x 32" Vertically Mounted Backdraft Damper	265.65	24.87
23 33 13 23-0318 EA 36" x 36" Vertically Mounted Backdraft Damper	285.30	30.63
23 33 13 23-0319 EA 28" x 48" Vertically Mounted Backdraft Damper	303.95	34.53
23 33 13 23-0320 EA 48" x 28" Vertically Mounted Backdraft Damper	315.47	38.34
23 33 13 23-0321 EA 50" x 28" Vertically Mounted Backdraft Damper	335.33	42.14
23 33 13 23-0322 EA 32" x 44" Vertically Mounted Backdraft Damper	348.04	46.05
23 33 13 23-0323 EA 44" x 32" Vertically Mounted Backdraft Damper	348.04	46.05
23 33 13 23-0324 EA 36" x 40" Vertically Mounted Backdraft Damper	364.92	49.85
23 33 13 23-0325 EA 40" x 36" Vertically Mounted Backdraft Damper	365.88	57.56
23 33 13 23-0326 EA 28" x 52" Vertically Mounted Backdraft Damper	379.54	61.36
23 33 13 23-0327 EA 32" x 48" Vertically Mounted Backdraft Damper	401.78	65.16
23 33 13 23-0328 EA 48" x 32" Vertically Mounted Backdraft Damper	413.30	68.96
23 33 13 23-0329 EA 28" x 56" Vertically Mounted Backdraft Damper	429.11	72.88
23 33 13 23-0330 EA 36" x 44" Vertically Mounted Backdraft Damper	431.26	72.88
23 33 13 23-0331 EA 44" x 36" Vertically Mounted Backdraft Damper	442.77	76.68
23 33 13 23-0332 EA 40" x 40" Vertically Mounted Backdraft Damper	444.91	76.68
23 33 13 23-0333 EA 50" x 32" Vertically Mounted Backdraft Damper	295.24	26.83
23 33 13 23-0334 EA 32" x 52" Vertically Mounted Backdraft Damper	315.35	30.63
23 33 13 23-0335 EA 28" x 60" Vertically Mounted Backdraft Damper	328.99	34.53
23 33 13 23-0336 EA 36" x 48" Vertically Mounted Backdraft Damper	346.96	38.34
23 33 13 23-0337 EA 48" x 36" Vertically Mounted Backdraft Damper	358.47	42.14
23 33 13 23-0338 EA 40" x 44" Vertically Mounted Backdraft Damper	374.28	46.05
23 33 13 23-0339 EA 44" x 40" Vertically Mounted Backdraft Damper	385.79	49.85
23 33 13 23-0340 EA 32" x 56" Vertically Mounted Backdraft Damper	401.60	53.66
23 33 13 23-0341 EA 50" x 36" Vertically Mounted Backdraft Damper	387.34	57.56

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 33 Air Duct Accessories**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 23-0342 EA 36" x 52" Vertically Mounted Backdraft Damper	418.96	65.16
23 33 13 23-0343 EA 32" x 60" Vertically Mounted Backdraft Damper	436.20	68.96
23 33 13 23-0344 EA 40" x 48" Vertically Mounted Backdraft Damper	447.71	72.88
23 33 13 23-0345 EA 48" x 40" Vertically Mounted Backdraft Damper	447.71	72.88
23 33 13 23-0346 EA 44" x 44" Vertically Mounted Backdraft Damper	461.13	76.68
23 33 13 23-0347 EA 40" x 50" Vertically Mounted Backdraft Damper	480.28	80.47
23 33 13 23-0348 EA 50" x 40" Vertically Mounted Backdraft Damper	480.28	80.47
23 33 13 23-0349 EA 36" x 56" Vertically Mounted Backdraft Damper	321.00	26.83
23 33 13 23-0350 EA 32" x 64" Vertically Mounted Backdraft Damper	347.84	34.53
23 33 13 23-0351 EA 44" x 48" Vertically Mounted Backdraft Damper	366.99	38.34
23 33 13 23-0352 EA 48" x 44" Vertically Mounted Backdraft Damper	378.50	42.14
23 33 13 23-0353 EA 36" x 60" Vertically Mounted Backdraft Damper	395.75	46.05
23 33 13 23-0354 EA 32" x 68" Vertically Mounted Backdraft Damper	409.17	49.85
23 33 13 23-0355 EA 44" x 50" Vertically Mounted Backdraft Damper	390.75	53.66
23 33 13 23-0356 EA 50" x 44" Vertically Mounted Backdraft Damper	402.25	57.56
23 33 13 23-0357 EA 32" x 72" Vertically Mounted Backdraft Damper	424.62	61.36
23 33 13 23-0358 EA 36" x 64" Vertically Mounted Backdraft Damper	436.13	65.16
23 33 13 23-0359 EA 48" x 48" Vertically Mounted Backdraft Damper	447.65	68.96
23 33 13 23-0360 EA 48" x 50" Vertically Mounted Backdraft Damper	469.17	72.88
23 33 13 23-0361 EA 50" x 48" Vertically Mounted Backdraft Damper	480.68	76.68
23 33 13 23-0362 EA 36" x 68" Vertically Mounted Backdraft Damper	485.69	76.68
23 33 13 23-0363 EA 50" x 50" Vertically Mounted Backdraft Damper	502.63	80.47
23 33 13 23-0364 EA 36" x 72" Vertically Mounted Backdraft Damper	512.23	80.47
23 33 13 23-0365 Backdraft Damper Accessories (23 33 13 23)		
23 33 13 23-0366 EA For Motor Pack For Horizontally Mounted Backdraft Damper.....	128.60	25.97
23 33 13 23-0367 EA For Motor Pack For Vertically Mounted Backdraft Damper.....	198.95	25.97
23 33 13 29 Barometric Dampers (23 33 13)		
23 33 13 29-0001 EA 6" x 6" Barometric Damper.....	125.55	9.21
23 33 13 29-0002 EA 12" x 12" Barometric Damper.....	179.11	12.66
23 33 13 29-0003 EA 18" x 18" Barometric Damper.....	249.49	19.57
23 33 13 29-0004 EA 24" x 24" Barometric Damper.....	341.66	36.83
23 33 13 29-0005 EA 6" Diameter Barometric Damper	75.61	9.21
For Stainless Steel, Add	51.84	
23 33 13 29-0006 EA 7" Diameter Barometric Damper	88.82	10.36
For Stainless Steel, Add	61.59	
23 33 13 29-0007 EA 8" Diameter Barometric Damper	103.13	11.51
For Stainless Steel, Add	71.42	
23 33 13 29-0008 EA 9" Diameter Barometric Damper	120.25	11.51
For Stainless Steel, Add	90.48	
23 33 13 29-0009 EA 10" Diameter Barometric Damper	147.94	13.81
For Stainless Steel, Add	123.27	
23 33 13 29-0010 EA 12" Diameter Barometric Damper	181.50	14.96
For Stainless Steel, Add	158.99	
23 33 13 29-0011 EA 14" Diameter Barometric Damper	220.72	16.12
For Stainless Steel, Add	202.76	
23 33 13 29-0012 EA 15" Diameter Barometric Damper	258.92	17.27
For Stainless Steel, Add	243.71	
23 33 13 29-0013 EA 16" Diameter Barometric Damper	295.63	19.57
For Stainless Steel, Add	284.56	
23 33 13 29-0014 EA 18" Diameter Barometric Damper	375.33	20.72
For Stainless Steel, Add	380.19	
23 33 13 29-0015 EA 20" Diameter Barometric Damper	440.14	23.02
For Stainless Steel, Add	455.07	
23 33 13 29-0016 EA 24" Diameter Barometric Damper	519.56	23.02
For Stainless Steel, Add	552.99	
23 33 13 29-0017 EA 30" Diameter Barometric Damper	630.90	26.47
For Stainless Steel, Add	685.49	
23 33 13 29-0018 EA 36" Diameter Barometric Damper	787.00	27.63
For Stainless Steel, Add	881.34	
23 33 13 33 Splitter Damper Hardware (23 33 13)		
23 33 13 33-0001 EA Splitter Damper, Hardware	34.34	8.06
23 33 13 43 Blower Check Valve (23 33 13)		
23 33 13 43-0001 Blower Check Valves With Silicone Seals (23 33 13 43)		
23 33 13 43-0002 EA 2-1/2" Blower Check Valves, Silicone Seals	295.69	29.70
23 33 13 43-0003 EA 3" Blower Check Valves, Silicone Seals	329.97	33.85
23 33 13 43-0004 EA 4" Blower Check Valves, Silicone Seals	423.46	44.90
23 33 13 43-0005 EA 5" Blower Check Valves, Silicone Seals	587.83	51.81
23 33 13 43-0006 EA 6" Blower Check Valves, Silicone Seals	657.52	62.17
23 33 13 43-0007 EA 8" Blower Check Valves, Silicone Seals	983.78	78.75
23 33 13 43-0008 Blower Check Valves With Viton Seats (23 33 13 43)		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 43-0009 EA 2-1/2" Blower Check Valves, Viton Seats	411.93	29.70
23 33 13 43-0010 EA 3" Blower Check Valves, Viton Seats	468.13	33.85
23 33 13 43-0011 EA 4" Blower Check Valves, Viton Seats	519.65	44.90
23 33 13 43-0012 EA 5" Blower Check Valves, Viton Seats	731.84	51.81
23 33 13 43-0013 EA 6" Blower Check Valves, Viton Seats	816.50	62.17
23 33 13 43-0014 EA 8" Blower Check Valves, Viton Seats	1,265.00	78.75
23 33 19 Duct Sound Trap (23 33)		
23 33 19 00-0001 36" Long Packaged Duct Sound Trap (23 33 19)		
23 33 19 00-0002 EA 12" x 12" x 36" Long, Packaged Duct Sound Trap, Sound Attenuator	274.35	47.20
23 33 19 00-0003 EA 12" x 18" x 36" Long, Packaged Duct Sound Trap, Sound Attenuator	325.97	54.10
23 33 19 00-0004 EA 12" x 24" x 36" Long, Packaged Duct Sound Trap, Sound Attenuator	407.54	62.16
23 33 19 00-0005 EA 12" x 36" x 36" Long, Packaged Duct Sound Trap, Sound Attenuator	484.80	70.22
23 33 19 00-0006 EA 24" x 18" x 36" Long, Packaged Duct Sound Trap, Sound Attenuator	458.23	70.22
23 33 19 00-0007 EA 24" x 24" x 36" Long, Packaged Duct Sound Trap, Sound Attenuator	557.07	73.67
23 33 19 00-0008 EA 24" x 30" x 36" Long, Packaged Duct Sound Trap, Sound Attenuator	609.40	78.28
23 33 19 00-0009 EA 24" x 36" x 36" Long, Packaged Duct Sound Trap, Sound Attenuator	664.04	82.88
23 33 19 00-0010 EA 24" x 48" x 36" Long, Packaged Duct Sound Trap, Sound Attenuator	842.59	94.39
23 33 19 00-0011 EA 36" x 18" x 36" Long, Packaged Duct Sound Trap, Sound Attenuator	562.50	78.28
23 33 19 00-0012 EA 36" x 36" x 36" Long, Packaged Duct Sound Trap, Sound Attenuator	737.85	94.39
23 33 19 00-0013 EA 36" x 48" x 36" Long, Packaged Duct Sound Trap, Sound Attenuator	1,232.30	126.62
23 33 19 00-0014 EA 36" x 60" x 36" Long, Packaged Duct Sound Trap, Sound Attenuator	1,350.46	133.53
23 33 19 00-0015 EA 48" x 48" x 36" Long, Packaged Duct Sound Trap, Sound Attenuator	1,499.47	143.89
23 33 19 00-0016 EA 48" x 60" x 36" Long, Packaged Duct Sound Trap, Sound Attenuator	1,675.29	156.55
23 33 19 00-0017 60" Long Packaged Duct Sound Trap (23 33 19)		
23 33 19 00-0018 EA 12" x 12" x 60" Long, Packaged Duct Sound Trap, Sound Attenuator	304.91	103.60
23 33 19 00-0019 EA 12" x 18" x 60" Long, Packaged Duct Sound Trap, Sound Attenuator	363.51	119.72
23 33 19 00-0020 EA 12" x 24" x 60" Long, Packaged Duct Sound Trap, Sound Attenuator	455.69	138.14
23 33 19 00-0021 EA 12" x 36" x 60" Long, Packaged Duct Sound Trap, Sound Attenuator	541.97	155.40
23 33 19 00-0022 EA 24" x 18" x 60" Long, Packaged Duct Sound Trap, Sound Attenuator	511.77	155.40
23 33 19 00-0023 EA 24" x 24" x 60" Long, Packaged Duct Sound Trap, Sound Attenuator	625.56	164.61
23 33 19 00-0024 EA 24" x 30" x 60" Long, Packaged Duct Sound Trap, Sound Attenuator	681.08	172.67
23 33 19 00-0025 EA 24" x 36" x 60" Long, Packaged Duct Sound Trap, Sound Attenuator	738.35	181.88
23 33 19 00-0026 EA 24" x 48" x 60" Long, Packaged Duct Sound Trap, Sound Attenuator	943.79	207.20
23 33 19 00-0027 EA 36" x 18" x 60" Long, Packaged Duct Sound Trap, Sound Attenuator	627.79	172.67
23 33 19 00-0028 EA 36" x 36" x 60" Long, Packaged Duct Sound Trap, Sound Attenuator	824.76	207.20
23 33 19 00-0029 EA 36" x 48" x 60" Long, Packaged Duct Sound Trap, Sound Attenuator	1,371.33	272.81
23 33 19 00-0030 EA 36" x 60" x 60" Long, Packaged Duct Sound Trap, Sound Attenuator	1,522.87	295.83
23 33 19 00-0031 EA 48" x 48" x 60" Long, Packaged Duct Sound Trap, Sound Attenuator	1,677.77	314.26
23 33 19 00-0032 EA 48" x 60" x 60" Long, Packaged Duct Sound Trap, Sound Attenuator	1,880.90	345.33
23 33 19 00-0033 84" Long Packaged Duct Sound Trap (23 33 19)		
23 33 19 00-0034 EA 6" x 12" x 84" Long, Packaged Duct Sound Trap, Sound Attenuator	259.72	86.33
23 33 19 00-0035 EA 6" x 24" x 84" Long, Packaged Duct Sound Trap, Sound Attenuator	427.76	128.92
23 33 19 00-0036 EA 6" x 36" x 84" Long, Packaged Duct Sound Trap, Sound Attenuator	604.12	188.78
23 33 19 00-0037 EA 12" x 12" x 84" Long, Packaged Duct Sound Trap, Sound Attenuator	338.66	103.60
23 33 19 00-0038 EA 12" x 18" x 84" Long, Packaged Duct Sound Trap, Sound Attenuator	413.25	119.72
23 33 19 00-0039 EA 12" x 24" x 84" Long, Packaged Duct Sound Trap, Sound Attenuator	537.41	138.14
23 33 19 00-0040 EA 12" x 30" x 84" Long, Packaged Duct Sound Trap, Sound Attenuator	621.09	148.49
23 33 19 00-0041 EA 12" x 36" x 84" Long, Packaged Duct Sound Trap, Sound Attenuator	675.84	160.01
23 33 19 00-0042 EA 12" x 42" x 84" Long, Packaged Duct Sound Trap, Sound Attenuator	824.98	172.67
23 33 19 00-0043 EA 12" x 48" x 84" Long, Packaged Duct Sound Trap, Sound Attenuator	961.19	188.78
23 33 19 00-0044 EA 24" x 18" x 84" Long, Packaged Duct Sound Trap, Sound Attenuator	601.23	160.01
23 33 19 00-0045 EA 24" x 24" x 84" Long, Packaged Duct Sound Trap, Sound Attenuator	801.40	166.91
23 33 19 00-0046 EA 24" x 30" x 84" Long, Packaged Duct Sound Trap, Sound Attenuator	865.84	172.67
23 33 19 00-0047 EA 24" x 36" x 84" Long, Packaged Duct Sound Trap, Sound Attenuator	937.31	181.88
23 33 19 00-0048 EA 24" x 42" x 84" Long, Packaged Duct Sound Trap, Sound Attenuator	1,145.95	195.69
23 33 19 00-0049 EA 24" x 48" x 84" Long, Packaged Duct Sound Trap, Sound Attenuator	1,238.68	207.20
23 33 23 Duct Turning Vanes (23 33)		
23 33 23 00-0001 Duct Turning Vane Components (23 33 23)		
23 33 23 00-0002 LF Duct Turning Vane Rail	7.46	2.87
<i>For Stainless Steel, Add</i>	<i>1.94</i>	
23 33 23 00-0003 LF Double Thick Factory Fabricated, Duct Turning Vane	4.63	1.16
<i>For Stainless Steel, Add</i>	<i>2.91</i>	
23 33 23 00-0004 Duct Turning Vane Sets (23 33 23)		
Note: Measured from inside corner to outside corner of ductwork.		
23 33 23 00-0005 LF 12" High Duct Turning Vanes, Sets	15.68	4.32
<i>For Stainless Steel, Add</i>	<i>13.36</i>	
23 33 23 00-0006 LF 14" High Duct Turning Vanes, Sets	18.76	4.60
<i>For Stainless Steel, Add</i>	<i>16.90</i>	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 33 Air Duct Accessories**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 23 00-0007 LF 16" High Duct Turning Vanes, Sets	24.29	4.83
<i>For Stainless Steel, Add</i>	23.66	
23 33 23 00-0008 LF 18" High Duct Turning Vanes, Sets	29.87	5.18
<i>For Stainless Steel, Add</i>	30.42	
23 33 23 00-0009 LF 20" High Duct Turning Vanes, Sets	32.90	5.53
<i>For Stainless Steel, Add</i>	33.80	
23 33 23 00-0010 LF 22" High Duct Turning Vanes, Sets	40.27	5.18
<i>For Stainless Steel, Add</i>	43.95	
23 33 23 00-0011 LF 24" High Duct Turning Vanes, Sets	49.29	6.10
<i>For Stainless Steel, Add</i>	54.09	
23 33 23 00-0012 LF 26" High Duct Turning Vanes, Sets	52.71	6.38
<i>For Stainless Steel, Add</i>	58.16	
23 33 23 00-0013 LF 30" High Duct Turning Vanes, Sets	58.39	6.63
<i>For Stainless Steel, Add</i>	65.13	
23 33 33 Duct-Mounting Access Doors (23 33)		
23 33 33 00-0001 Duct Access Doors, Insulated Factory Fabrication (23 33 33)		
23 33 33 00-0002 EA 6" x 6" Duct Access Doors Insulated Factory Fabrication	81.89	16.12
<i>For Stainless Steel, Add</i>	34.28	
23 33 33 00-0003 EA 10" x 10" Duct Access Doors Insulated Factory Fabrication	85.49	16.12
<i>For Stainless Steel, Add</i>	41.48	
23 33 33 00-0004 EA 12" x 12" Duct Access Doors Insulated Factory Fabrication	87.25	16.12
<i>For Stainless Steel, Add</i>	45.00	
23 33 33 00-0005 EA 12" x 18" Duct Access Doors Insulated Factory Fabrication	111.42	19.57
<i>For Stainless Steel, Add</i>	63.44	
23 33 33 00-0006 EA 16" x 12" Duct Access Doors Insulated Factory Fabrication	112.14	19.57
<i>For Stainless Steel, Add</i>	64.88	
23 33 33 00-0007 EA 18" x 18" Duct Access Doors Insulated Factory Fabrication	140.93	26.47
<i>For Stainless Steel, Add</i>	74.66	
23 33 33 00-0008 EA 24" x 18" Duct Access Doors Insulated Factory Fabrication	169.71	32.23
<i>For Stainless Steel, Add</i>	80.40	
23 33 33 00-0009 EA 24" x 24" Duct Access Doors Insulated Factory Fabrication	222.03	43.74
<i>For Stainless Steel, Add</i>	98.72	
23 33 43 Flexible Duct Connectors (23 33)		
23 33 43 00-0001 LF Flex Duct Connector, Fabric/Sheet Metal	13.32	3.46
23 33 43 00-0002 LF Flex Duct Connector, Rubber Vinyl	13.07	3.11
23 33 46 Flexible Ducts (23 33)		
23 33 46 00-0001 Flexible Duct, R4.2 Insulated With Metallized Outer Jacket (23 33 46)		
Note: Polyester inner liner encapsulating a corrosion resistant steel wire helix, supporting a blanket of fiberglass insulation over a fiberglass scrim and a bi-directional reinforced metallized outer vapor barrier jacket.		
23 33 46 00-0002 LF 4" Diameter Flexible Duct, R4.2 Insulated With Polyester Inner Liner And Metallized Outer Jacket	6.21	1.16
23 33 46 00-0003 LF 5" Diameter Flexible Duct, R4.2 Insulated With Polyester Inner Liner And Metallized Outer Jacket	6.98	2.30
23 33 46 00-0004 LF 6" Diameter Flexible Duct, R4.2 Insulated With Polyester Inner Liner And Metallized Outer Jacket	8.15	2.30
23 33 46 00-0005 LF 7" Diameter Flexible Duct, R4.2 Insulated With Polyester Inner Liner And Metallized Outer Jacket	9.54	2.30
23 33 46 00-0006 LF 8" Diameter Flexible Duct, R4.2 Insulated With Polyester Inner Liner And Metallized Outer Jacket	11.62	3.46
23 33 46 00-0007 LF 10" Diameter Flexible Duct, R4.2 Insulated With Polyester Inner Liner And Metallized Outer Jacket	14.80	3.46
23 33 46 00-0008 LF 12" Diameter Flexible Duct, R4.2 Insulated With Polyester Inner Liner And Metallized Outer Jacket	20.33	4.60
23 33 46 00-0009 LF 14" Diameter Flexible Duct, R4.2 Insulated With Polyester Inner Liner And Metallized Outer Jacket	25.19	4.60
23 33 46 00-0010 LF 16" Diameter Flexible Duct, R4.2 Insulated With Polyester Inner Liner And Metallized Outer Jacket	33.14	5.76
23 33 46 00-0011 Collars, Sheet Metal Spin-In Type With Damper (23 33 46)		
23 33 46 00-0012 EA Up To 4" Diameter Flexible Duct Collar, Spin In Type, Sheet Metal, With Damper	37.48	6.90
<i>For Stainless Steel, Add</i>	15.05	
23 33 46 00-0013 EA 5" Diameter Flexible Duct Collar, Spin In Type, Sheet Metal, With Damper	41.33	8.06
<i>For Stainless Steel, Add</i>	15.25	
23 33 46 00-0014 EA 6" Diameter Flexible Duct Collar, Spin In Type, Sheet Metal, With Damper	47.47	8.06
<i>For Stainless Steel, Add</i>	16.82	
23 33 46 00-0015 EA 7" Diameter Flexible Duct Collar, Spin In Type, Sheet Metal, With Damper	54.79	10.36
<i>For Stainless Steel, Add</i>	17.36	
23 33 46 00-0016 EA 8" Diameter Flexible Duct Collar, Spin In Type, Sheet Metal, With Damper	66.88	12.66
<i>For Stainless Steel, Add</i>	19.60	
23 33 46 00-0017 EA 10" Diameter Flexible Duct Collar, Spin In Type, Sheet Metal, With Damper	77.79	14.96
<i>For Stainless Steel, Add</i>	24.17	
23 33 46 00-0018 EA 12" Diameter Flexible Duct Collar, Spin In Type, Sheet Metal, With Damper	89.09	17.27
<i>For Stainless Steel, Add</i>	26.04	
23 33 46 00-0019 EA 14" Diameter Flexible Duct Collar, Spin In Type, Sheet Metal, With Damper	104.51	19.57
<i>For Stainless Steel, Add</i>	32.60	
23 33 46 00-0020 EA 16" Diameter Flexible Duct Collar, Spin In Type, Sheet Metal, With Damper	113.77	21.87
<i>For Stainless Steel, Add</i>	35.67	
23 33 53 Duct Liners (23 33)		
23 33 53 00-0001 Fiberglass Duct Liner Board, Rigid, Acoustical Insulation (23 33 53)		
23 33 53 00-0002 SF 1/2" Field Installed, 3 LB/CF, Fiberglass Duct Liner Board	11.55	3.26



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 53 00-0003 SF 3/4" Field Installed, 3 LB/CF, Fiberglass Duct Liner Board.....	12.63	3.26
23 33 53 00-0004 SF 1" Field Installed, 3 LB/CF, Fiberglass Duct Liner Board.....	13.98	4.35
23 33 53 00-0005 SF 1-1/2" Field Installed, 3 LB/CF, Fiberglass Duct Liner Board.....	17.11	4.35
23 33 53 00-0006 SF 2" Field Installed, 3 LB/CF, Fiberglass Duct Liner Board.....	20.65	4.89
23 33 53 00-0007 SF 1/2" Shop Installed, 3 LB/CF, Fiberglass Duct Liner Board.....	10.76	3.46
23 33 53 00-0008 SF 3/4" Shop Installed, 3 LB/CF, Fiberglass Duct Liner Board.....	11.78	3.46
23 33 53 00-0009 SF 1" Shop Installed, 3 LB/CF, Fiberglass Duct Liner Board.....	13.09	4.60
23 33 53 00-0010 SF 1-1/2" Shop Installed, 3 LB/CF, Fiberglass Duct Liner Board.....	15.91	4.60
23 33 53 00-0011 SF 2" Shop Installed, 3 LB/CF, Fiberglass Duct Liner Board.....	19.27	5.18
23 33 53 00-0012 Fiberglass Duct Liner Blanket, Flexible, Acoustical Insulation <small>(23 33 53)</small>		
23 33 53 00-0013 SF 1/2", R2, 2 LB/CF, T200, Fiberglass Duct Liner Blanket.....	1.97	2.76
23 33 53 00-0014 SF 1", R3.8, 1.5 LB/CF, T150, Fiberglass Duct Liner Blanket.....	2.19	3.11
23 33 53 00-0015 SF 1", R4.1, 2 LB/CF, T200, Fiberglass Duct Liner Blanket.....	2.78	3.11
23 33 53 00-0016 SF 1", R4.3, 3 LB/CF, T300, Fiberglass Duct Liner Blanket.....	3.54	3.11
23 33 53 00-0017 SF 1-1/2", T150, 1.5 LB/CF, Fiberglass Duct Liner Blanket.....	2.99	3.46
23 33 53 00-0018 SF 2", R7.7, 1.5 LB/CF, T150 Fiberglass Duct Liner Blanket.....	3.17	3.80
23 33 53 00-0019 SF 2", R8, 2 LB/CF, T200 Fiberglass Duct Liner Blanket.....	4.81	3.80
23 33 56 Duct Air Extractors <small>(23 33)</small>		
23 33 56 00-0001 EA 12" x 4" Duct Air Extractor.....	60.23	18.99
For Stainless Steel, Add	28.91	
23 33 56 00-0002 EA 8" x 6" Duct Air Extractor.....	63.68	20.72
For Stainless Steel, Add	28.91	
23 33 56 00-0003 EA 12" x 6" Duct Air Extractor.....	74.51	21.87
For Stainless Steel, Add	40.00	
23 33 56 00-0004 EA 16" x 6" Duct Air Extractor.....	85.09	23.02
For Stainless Steel, Add	50.75	
23 33 56 00-0005 EA 24" x 6" Duct Air Extractor.....	115.10	25.33
For Stainless Steel, Add	83.79	
23 33 56 00-0006 EA 12" x 8" Duct Air Extractor.....	80.54	23.02
For Stainless Steel, Add	44.85	
23 33 56 00-0007 EA 20" x 8" Duct Air Extractor.....	107.49	28.77
For Stainless Steel, Add	64.91	
23 33 56 00-0008 EA 18" x 10" Duct Air Extractor.....	114.64	32.80
For Stainless Steel, Add	63.73	
23 33 56 00-0009 EA 24" x 10" Duct Air Extractor.....	140.67	38.55
For Stainless Steel, Add	82.62	
23 33 56 00-0010 EA 24" x 12" Duct Air Extractor.....	160.18	46.05
For Stainless Steel, Add	88.52	
23 33 56 00-0011 EA 30" x 12" Duct Air Extractor.....	200.44	57.56
For Stainless Steel, Add	110.93	
23 33 59 Duct Pressure Relief Doors <small>(23 33)</small>		
23 33 59 00-0001 Duct Pressure Relief Doors <small>(23 33 59)</small>		
23 33 59 00-0002 EA 18" x 18" Duct Pressure Relief Door (Ruskin PRD18).....	687.00	34.53
23 33 59 00-0003 EA 24" x 10" Duct Pressure Relief Door (Ruskin PRD18).....	565.18	28.77
23 33 59 00-0004 EA 24" x 12" Duct Pressure Relief Door (Ruskin PRD18).....	565.71	31.66
23 34 HVAC Fans <small>(23 30)</small>		
23 34 13 Axial HVAC Fans <small>(23 34)</small>		
23 34 13 00-0001 Tube-Axial Fans <small>(23 34 13)</small>		
23 34 13 00-0002 Direct Drive Tube-Axial Duct Fans <small>(23 34 13 00-0001)</small>		
23 34 13 00-0003 EA 12" Direct Drive Axial Flow Fan, 1/6 HP 1,060 CFM Constant Speed, 1/8" Static Pressure.....	1,399.26	352.91
For 1/4" Static Pressure, Add	55.42	
For 3/8" Static Pressure, Add	110.84	
For 1/2" Static Pressure, Add	152.40	
23 34 13 00-0004 EA 12" Direct Drive Axial Flow Fan, 1/2 HP 2,095 CFM Constant Speed, 1/8" Static Pressure.....	1,448.74	353.98
For 1/4" Static Pressure, Add	59.38	
For 3/8" Static Pressure, Add	118.75	
For 1/2" Static Pressure, Add	163.29	
23 34 13 00-0005 EA 16" Direct Drive Axial Flow Fan, 1/3 HP 2,490 CFM Constant Speed, 1/8" Static Pressure.....	1,547.70	352.91
For 1/4" Static Pressure, Add	67.29	
For 3/8" Static Pressure, Add	134.59	
For 1/2" Static Pressure, Add	185.06	
23 34 13 00-0006 EA 20" Direct Drive Axial Flow Fan, 3/4 HP 4,130 CFM Constant Speed, 1/8" Static Pressure.....	1,646.66	353.98
For 1/4" Static Pressure, Add	75.21	
For 3/8" Static Pressure, Add	150.42	
For 1/2" Static Pressure, Add	206.83	
23 34 13 00-0007 EA 22" Direct Drive Axial Flow Fan, 3/4 HP 4,700 CFM Constant Speed, 1/8" Static Pressure.....	1,936.41	423.92
For 1/4" Static Pressure, Add	87.09	
For 3/8" Static Pressure, Add	174.17	
For 1/2" Static Pressure, Add	239.49	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 34 HVAC Fans**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 34 13 00-0008	EA		24" Direct Drive Axial Flow Fan, 1 HP 5,850 CFM Constant Speed, 1/8" Static Pressure.....	2,208.07	461.01
			<i>For 1/4" Static Pressure, Add</i>	102.92	
			<i>For 3/8" Static Pressure, Add</i>	205.84	
			<i>For 1/2" Static Pressure, Add</i>	283.03	
23 34 13 00-0009	EA		24" Direct Drive Axial Flow Fan, 1-1/2 HP 7,925 CFM Constant Speed, 1/8" Static Pressure.....	2,345.32	504.47
			<i>For 1/4" Static Pressure, Add</i>	106.88	
			<i>For 3/8" Static Pressure, Add</i>	213.76	
			<i>For 1/2" Static Pressure, Add</i>	293.92	
23 34 13 00-0010	EA		30" Direct Drive Axial Flow Fan, 1 HP 10,640 CFM Constant Speed, 1/8" Static Pressure.....	2,643.18	529.90
			<i>For 1/4" Static Pressure, Add</i>	126.67	
			<i>For 3/8" Static Pressure, Add</i>	253.34	
			<i>For 1/2" Static Pressure, Add</i>	348.34	
23 34 13 00-0011	EA		30" Direct Drive Axial Flow Fan, 2-1/2 HP 14,765 CFM Constant Speed, 1/8" Static Pressure.....	3,205.02	662.38
			<i>For 1/4" Static Pressure, Add</i>	150.42	
			<i>For 3/8" Static Pressure, Add</i>	300.84	
			<i>For 1/2" Static Pressure, Add</i>	413.66	
23 34 13 00-0012	EA		36" Direct Drive Axial Flow Fan, 2 HP 16,780 CFM Constant Speed, 1/8" Static Pressure.....	3,590.22	706.89
			<i>For 1/4" Static Pressure, Add</i>	174.17	
			<i>For 3/8" Static Pressure, Add</i>	348.34	
			<i>For 1/2" Static Pressure, Add</i>	478.97	
23 34 13 00-0013	EA		36" Direct Drive Axial Flow Fan, 5 HP 22,920 CFM Constant Speed, 1/8" Static Pressure.....	4,203.45	814.99
			<i>For 1/4" Static Pressure, Add</i>	205.84	
			<i>For 3/8" Static Pressure, Add</i>	411.68	
			<i>For 1/2" Static Pressure, Add</i>	566.06	
23 34 13 00-0014			Belt Drive Tube-Axial Duct Fans <small>(23 34 13 00-0001)</small>		
23 34 13 00-0015	EA		15" Belt Drive Axial Flow Fan, 1/3 HP 2,800 CFM Constant Speed, 1/8" Static Pressure.....	1,331.81	342.32
			<i>For 1/4" Static Pressure, Add</i>	51.85	
			<i>For 3/8" Static Pressure, Add</i>	103.69	
			<i>For 1/2" Static Pressure, Add</i>	142.58	
23 34 13 00-0016	EA		15" Belt Drive Axial Flow Fan, 1/2 HP 3,400 CFM Constant Speed, 1/8" Static Pressure.....	1,405.77	353.98
			<i>For 1/4" Static Pressure, Add</i>	55.94	
			<i>For 3/8" Static Pressure, Add</i>	111.88	
			<i>For 1/2" Static Pressure, Add</i>	153.83	
23 34 13 00-0017	EA		18" Belt Drive Axial Flow Fan, 1/3 HP 3,280 CFM Constant Speed, 1/8" Static Pressure.....	1,452.88	365.63
			<i>For 1/4" Static Pressure, Add</i>	57.76	
			<i>For 3/8" Static Pressure, Add</i>	115.52	
			<i>For 1/2" Static Pressure, Add</i>	158.84	
23 34 13 00-0018	EA		18" Belt Drive Axial Flow Fan, 1/2 HP 3,900 CFM Constant Speed, 1/8" Static Pressure.....	1,532.03	378.35
			<i>For 1/4" Static Pressure, Add</i>	62.00	
			<i>For 3/8" Static Pressure, Add</i>	124.00	
			<i>For 1/2" Static Pressure, Add</i>	170.51	
23 34 13 00-0019	EA		18" Belt Drive Axial Flow Fan, 1 HP 5,250 CFM Constant Speed, 1/8" Static Pressure.....	1,704.09	393.18
			<i>For 1/4" Static Pressure, Add</i>	73.52	
			<i>For 3/8" Static Pressure, Add</i>	147.05	
			<i>For 1/2" Static Pressure, Add</i>	202.19	
23 34 13 00-0020	EA		24" Belt Drive Axial Flow Fan, 1/2 HP 4,800 CFM Constant Speed, 1/8" Static Pressure.....	1,793.02	408.02
			<i>For 1/4" Static Pressure, Add</i>	78.22	
			<i>For 3/8" Static Pressure, Add</i>	156.45	
			<i>For 1/2" Static Pressure, Add</i>	215.11	
23 34 13 00-0021	EA		24" Belt Drive Axial Flow Fan, 1 HP 6,430 CFM Constant Speed, 1/8" Static Pressure.....	1,984.81	423.92
			<i>For 1/4" Static Pressure, Add</i>	90.96	
			<i>For 3/8" Static Pressure, Add</i>	181.92	
			<i>For 1/2" Static Pressure, Add</i>	250.13	
23 34 13 00-0022	EA		24" Belt Drive Axial Flow Fan, 2 HP 8,860 CFM Constant Speed, 1/8" Static Pressure.....	2,201.14	423.92
			<i>For 1/4" Static Pressure, Add</i>	108.37	
			<i>For 3/8" Static Pressure, Add</i>	216.75	
			<i>For 1/2" Static Pressure, Add</i>	298.03	
23 34 13 00-0023	EA		30" Belt Drive Axial Flow Fan, 1 HP 9,250 CFM Constant Speed, 1/8" Static Pressure.....	2,530.68	461.01
			<i>For 1/4" Static Pressure, Add</i>	128.86	
			<i>For 3/8" Static Pressure, Add</i>	257.71	
			<i>For 1/2" Static Pressure, Add</i>	354.36	
23 34 13 00-0024	EA		30" Belt Drive Axial Flow Fan, 5 HP 16,900 CFM Constant Speed, 1/8" Static Pressure.....	3,008.19	558.51
			<i>For 1/4" Static Pressure, Add</i>	151.60	
			<i>For 3/8" Static Pressure, Add</i>	303.19	
			<i>For 1/2" Static Pressure, Add</i>	416.89	
23 34 13 00-0025	EA		30" Belt Drive Axial Flow Fan, 5 HP 16,150 CFM Constant Speed, 1/8" Static Pressure.....	3,375.70	558.51
			<i>For 1/4" Static Pressure, Add</i>	180.62	
			<i>For 3/8" Static Pressure, Add</i>	361.24	
			<i>For 1/2" Static Pressure, Add</i>	496.71	
23 34 13 00-0026	EA		36" Belt Drive Axial Flow Fan, 3/4 HP 8,090 CFM Constant Speed, 1/8" Static Pressure.....	3,698.52	589.25
			<i>For 1/4" Static Pressure, Add</i>	201.68	
			<i>For 3/8" Static Pressure, Add</i>	403.36	
			<i>For 1/2" Static Pressure, Add</i>	554.61	
23 34 13 00-0027	EA		36" Belt Drive Axial Flow Fan, 2 HP 14,475 CFM Constant Speed, 1/8" Static Pressure.....	4,025.66	623.16
			<i>For 1/4" Static Pressure, Add</i>	222.54	
			<i>For 3/8" Static Pressure, Add</i>	445.08	
			<i>For 1/2" Static Pressure, Add</i>	611.99	
23 34 13 00-0028	EA		36" Belt Drive Axial Flow Fan, 7-1/2 HP 14,475 CFM Constant Speed, 1/8" Static Pressure.....	4,657.39	814.99
			<i>For 1/4" Static Pressure, Add</i>	242.55	
			<i>For 3/8" Static Pressure, Add</i>	485.11	
			<i>For 1/2" Static Pressure, Add</i>	667.02	



	MINOR CSI UOM DESCRIPTION		TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 34 13 00-0029	EA 36" Belt Drive Axial Flow Fan, 5 HP 20,080 CFM Constant Speed, 1/8" Static Pressure..... <i>For 1/4" Static Pressure, Add</i> <i>For 3/8" Static Pressure, Add</i> <i>For 1/2" Static Pressure, Add</i>	5,237.91 289.00 577.99 794.74		816.04
23 34 13 00-0030	EA 42" Belt Drive Axial Flow Fan, 7-1/2 HP 29,000 CFM Constant Speed, 1/8" Static Pressure..... <i>For 1/4" Static Pressure, Add</i> <i>For 3/8" Static Pressure, Add</i> <i>For 1/2" Static Pressure, Add</i>	5,944.93 322.00 644.00 885.50		963.15
23 34 16 Centrifugal HVAC Fans (23 34)				
23 34 16 00-0001	Centrifugal Fans (23 34 16) Note: All belt fans to be supplied with belt guard.			
23 34 16 00-0002	Utility Backward Inclined Steel Wheel Centrifugal Fans (23 34 16 00-0001) Note: V-belt driven.			
23 34 16 00-0003	Industrial Type Utility Backward Centrifugal Fans (23 34 16 00-0002) Note: Under 30" diameter wheel.			
23 34 16 00-0004	12-1/4" Diameter Wheel 650 To 2,950 CFM At 1/8" Static Pressure (23 34 16 00-0003)			
23 34 16 00-0005	EA 1/6 HP Centrifugal Fan, 12-1/4" Wheel, 450 - 1,750 CFM At 1/8" Static Pressure	1,256.13		232.84
23 34 16 00-0006	EA 1/4 HP Centrifugal Fan, 12-1/4" Wheel, 650 - 2,950 CFM At 1/8" Static Pressure	1,811.51		241.64
23 34 16 00-0007	EA 1/3 HP Centrifugal Fan, 12-1/4" Wheel, 650 - 2,950 CFM At 1/8" Static Pressure	1,863.38		192.56
23 34 16 00-0008	EA 1/2 HP Centrifugal Fan, 12-1/4" Wheel, 650 - 2,950 CFM At 1/8" Static Pressure	1,946.15		263.90
23 34 16 00-0009	EA 3/4 HP Centrifugal Fan, 12-1/4" Wheel, 650 - 2,950 CFM At 1/8" Static Pressure	1,992.85		279.79
23 34 16 00-0010	EA 1 HP Centrifugal Fan, 12-1/4" Wheel, 650 - 2,950 CFM At 1/8" Static Pressure	2,056.33		291.45
23 34 16 00-0011	EA 1-1/2 HP Centrifugal Fan, 12-1/4" Wheel, 650 - 2,950 CFM At 1/8" Static Pressure	2,119.44		310.52
23 34 16 00-0012	13-1/2" Diameter Wheel 734 To 3,343 CFM At 1/8" Static Pressure (23 34 16 00-0003)			
23 34 16 00-0013	EA 1/4 HP Centrifugal Fan, 13-1/2" Wheel, 734 - 3,343 CFM At 1/8" Static Pressure	2,091.10		254.36
23 34 16 00-0014	EA 1/3 HP Centrifugal Fan, 13-1/2" Wheel, 734 - 3,343 CFM At 1/8" Static Pressure	2,128.39		263.90
23 34 16 00-0015	EA 1/2 HP Centrifugal Fan, 13-1/2" Wheel, 734 - 3,343 CFM At 1/8" Static Pressure	2,197.86		279.79
23 34 16 00-0016	EA 3/4 HP Centrifugal Fan, 13-1/2" Wheel, 734 - 3,343 CFM At 1/8" Static Pressure	2,238.27		291.45
23 34 16 00-0017	EA 1 HP Centrifugal Fan, 13-1/2" Wheel, 734 - 3,343 CFM At 1/8" Static Pressure	2,313.20		310.52
23 34 16 00-0018	EA 1-1/2 HP Centrifugal Fan, 13-1/2" Wheel, 734 - 3,343 CFM At 1/8" Static Pressure	2,388.17		325.36
23 34 16 00-0019	15" Diameter Wheel 1,258 To 4,146 CFM At 1/8" Static Pressure (23 34 16 00-0003)			
23 34 16 00-0020	EA 1/4 HP Centrifugal Fan, 15" Wheel, 1,258 - 4,146 CFM At 1/8" Static Pressure	2,105.65		263.90
23 34 16 00-0021	EA 1/3 HP Centrifugal Fan, 15" Wheel, 1,258 - 4,146 CFM At 1/8" Static Pressure	2,152.38		279.79
23 34 16 00-0022	EA 1/2 HP Centrifugal Fan, 15" Wheel, 1,258 - 4,146 CFM At 1/8" Static Pressure	2,215.53		291.45
23 34 16 00-0023	EA 3/4 HP Centrifugal Fan, 15" Wheel, 1,258 - 4,146 CFM At 1/8" Static Pressure	2,267.70		310.52
23 34 16 00-0024	EA 1 HP Centrifugal Fan, 15" Wheel, 1,258 - 4,146 CFM At 1/8" Static Pressure	2,335.11		325.36
23 34 16 00-0025	EA 1-1/2 HP Centrifugal Fan, 15" Wheel, 1,258 - 4,146 CFM At 1/8" Static Pressure	2,428.92		349.74
23 34 16 00-0026	EA 2 HP Centrifugal Fan, 15" Wheel, 1,258 - 4,146 CFM At 1/8" Static Pressure	2,502.29		367.75
23 34 16 00-0027	16-1/2" Diameter Wheel 977 To 4,711 CFM At 1/8" Static Pressure (23 34 16 00-0003)			
23 34 16 00-0028	EA 1/4 HP Centrifugal Fan, 16-1/2" Wheel, 977 - 4,711 CFM At 1/8" Static Pressure	2,413.92		279.79
23 34 16 00-0029	EA 1/3 HP Centrifugal Fan, 16-1/2" Wheel, 977 - 4,711 CFM At 1/8" Static Pressure	2,500.69		291.45
23 34 16 00-0030	EA 1/2 HP Centrifugal Fan, 16-1/2" Wheel, 977 - 4,711 CFM At 1/8" Static Pressure	2,596.08		310.52
23 34 16 00-0031	EA 3/4 HP Centrifugal Fan, 16-1/2" Wheel, 977 - 4,711 CFM At 1/8" Static Pressure	2,645.83		325.36
23 34 16 00-0032	EA 1 HP Centrifugal Fan, 16-1/2" Wheel, 977 - 4,711 CFM At 1/8" Static Pressure	2,710.63		349.74
23 34 16 00-0033	EA 1-1/2 HP Centrifugal Fan, 16-1/2" Wheel, 977 - 4,711 CFM At 1/8" Static Pressure	2,766.35		367.75
23 34 16 00-0034	EA 2 HP Centrifugal Fan, 16-1/2" Wheel, 977 - 4,711 CFM At 1/8" Static Pressure	3,073.20		399.55
23 34 16 00-0035	18-1/4" Diameter Wheel 2,193 To 6,498 CFM At 1/8" Static Pressure (23 34 16 00-0003)			
23 34 16 00-0036	EA 1/4 HP Centrifugal Fan, 18-1/4" Wheel, 2,193 - 6,498 CFM At 1/8" Static Pressure	2,494.13		291.45
23 34 16 00-0037	EA 1/3 HP Centrifugal Fan, 18-1/4" Wheel, 2,193 - 6,498 CFM At 1/8" Static Pressure	2,551.98		310.52
23 34 16 00-0038	EA 1/2 HP Centrifugal Fan, 18-1/4" Wheel, 2,193 - 6,498 CFM At 1/8" Static Pressure	2,630.77		325.36
23 34 16 00-0039	EA 3/4 HP Centrifugal Fan, 18-1/4" Wheel, 2,193 - 6,498 CFM At 1/8" Static Pressure	2,690.48		349.74
23 34 16 00-0040	EA 1 HP Centrifugal Fan, 18-1/4" Wheel, 2,193 - 6,498 CFM At 1/8" Static Pressure	2,775.21		367.75
23 34 16 00-0041	EA 1-1/2 HP Centrifugal Fan, 18-1/4" Wheel, 2,193 - 6,498 CFM At 1/8" Static Pressure	2,902.63		399.55
23 34 16 00-0042	EA 2 HP Centrifugal Fan, 18-1/4" Wheel, 2,193 - 6,498 CFM At 1/8" Static Pressure	2,984.82		423.92
23 34 16 00-0043	EA 3 HP Centrifugal Fan, 18-1/4" Wheel, 2,193 - 6,498 CFM At 1/8" Static Pressure	3,106.55		466.31
23 34 16 00-0044	20" Diameter Wheel 2,412 To 7,364 CFM At 1/8" Static Pressure (23 34 16 00-0003)			
23 34 16 00-0045	EA 1/4 HP Centrifugal Fan, 20" Wheel, 2,412 - 7,364 CFM At 1/8" Static Pressure	2,517.88		310.52
23 34 16 00-0046	EA 1/3 HP Centrifugal Fan, 20" Wheel, 2,412 - 7,364 CFM At 1/8" Static Pressure	2,596.63		325.36
23 34 16 00-0047	EA 1/2 HP Centrifugal Fan, 20" Wheel, 2,412 - 7,364 CFM At 1/8" Static Pressure	2,690.48		349.74
23 34 16 00-0048	EA 3/4 HP Centrifugal Fan, 20" Wheel, 2,412 - 7,364 CFM At 1/8" Static Pressure	2,775.21		367.75
23 34 16 00-0049	EA 1 HP Centrifugal Fan, 20" Wheel, 2,412 - 7,364 CFM At 1/8" Static Pressure	2,936.74		399.55
23 34 16 00-0050	EA 1-1/2 HP Centrifugal Fan, 20" Wheel, 2,412 - 7,364 CFM At 1/8" Static Pressure	3,165.12		423.92
23 34 16 00-0051	EA 2 HP Centrifugal Fan, 20" Wheel, 2,412 - 7,364 CFM At 1/8" Static Pressure	3,321.96		466.31
23 34 16 00-0052	EA 3 HP Centrifugal Fan, 20" Wheel, 2,412 - 7,364 CFM At 1/8" Static Pressure	3,486.15		499.17

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 34 HVAC Fans**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 34 16 00-0053			22-1/4" Diameter Wheel 2,265 To 8,483 CFM At 1/8" Static Pressure (23 34 16 00-0003)		
23 34 16 00-0054	EA		1/4 HP Centrifugal Fan, 22-1/4" Wheel, 2,265 - 8,483 CFM At 1/8" Static Pressure	3,032.55	325.36
23 34 16 00-0055	EA		1/3 HP Centrifugal Fan, 22-1/4" Wheel, 2,265 - 8,483 CFM At 1/8" Static Pressure	3,086.92	349.74
23 34 16 00-0056	EA		1/2 HP Centrifugal Fan, 22-1/4" Wheel, 2,265 - 8,483 CFM At 1/8" Static Pressure	3,163.73	367.75
23 34 16 00-0057	EA		3/4 HP Centrifugal Fan, 22-1/4" Wheel, 2,265 - 8,483 CFM At 1/8" Static Pressure	3,258.94	399.55
23 34 16 00-0058	EA		1 HP Centrifugal Fan, 22-1/4" Wheel, 2,265 - 8,483 CFM At 1/8" Static Pressure	3,387.53	423.92
23 34 16 00-0059	EA		1-1/2 HP Centrifugal Fan, 22-1/4" Wheel, 2,265 - 8,483 CFM At 1/8" Static Pressure	3,426.19	466.31
23 34 16 00-0060	EA		2 HP Centrifugal Fan, 22-1/4" Wheel, 2,265 - 8,483 CFM At 1/8" Static Pressure	3,508.89	499.17
23 34 16 00-0061	EA		3 HP Centrifugal Fan, 22-1/4" Wheel, 2,265 - 8,483 CFM At 1/8" Static Pressure	3,656.58	559.58
23 34 16 00-0062			24-1/2" Diameter Wheel 3,055 To 11,380 CFM At 1/8" Static Pressure (23 34 16 00-0003)		
23 34 16 00-0063	EA		1/4 HP Centrifugal Fan, 24-1/2" Wheel, 3,055 - 11,380 CFM At 1/8" Static Pressure	3,653.25	349.74
23 34 16 00-0064	EA		1/2 HP Centrifugal Fan, 24-1/2" Wheel, 3,055 - 11,380 CFM At 1/8" Static Pressure	3,766.86	399.55
23 34 16 00-0065	EA		3/4 HP Centrifugal Fan, 24-1/2" Wheel, 3,055 - 11,380 CFM At 1/8" Static Pressure	3,883.16	423.92
23 34 16 00-0066	EA		1 HP Centrifugal Fan, 24-1/2" Wheel, 3,055 - 11,380 CFM At 1/8" Static Pressure	4,004.24	466.31
23 34 16 00-0067	EA		1-1/2 HP Centrifugal Fan, 24-1/2" Wheel, 3,055 - 11,380 CFM At 1/8" Static Pressure	4,111.57	499.17
23 34 16 00-0068	EA		2 HP Centrifugal Fan, 24-1/2" Wheel, 3,055 - 11,380 CFM At 1/8" Static Pressure	4,202.41	559.58
23 34 16 00-0069	EA		3 HP Centrifugal Fan, 24-1/2" Wheel, 3,055 - 11,380 CFM At 1/8" Static Pressure	4,333.00	608.32
23 34 16 00-0070	EA		5 HP Centrifugal Fan, 24-1/2" Wheel, 3,055 - 11,380 CFM At 1/8" Static Pressure	4,641.80	699.47
23 34 16 00-0071			27" Diameter Wheel 2,734 To 13,266 CFM At 1/8" Static Pressure (23 34 16 00-0003)		
23 34 16 00-0072	EA		1/4 HP Centrifugal Fan, 27" Wheel, 2,734 - 13,266 CFM At 1/8" Static Pressure.....	4,050.71	367.75
23 34 16 00-0073	EA		1/2 HP Centrifugal Fan, 27" Wheel, 2,734 - 13,266 CFM At 1/8" Static Pressure.....	4,167.45	423.92
23 34 16 00-0074	EA		3/4 HP Centrifugal Fan, 27" Wheel, 2,734 - 13,266 CFM At 1/8" Static Pressure.....	4,288.53	466.31
23 34 16 00-0075	EA		1 HP Centrifugal Fan, 27" Wheel, 2,734 - 13,266 CFM At 1/8" Static Pressure.....	4,395.87	499.17
23 34 16 00-0076	EA		1-1/2 HP Centrifugal Fan, 27" Wheel, 2,734 - 13,266 CFM At 1/8" Static Pressure	4,543.55	559.58
23 34 16 00-0077	EA		2 HP Centrifugal Fan, 27" Wheel, 2,734 - 13,266 CFM At 1/8" Static Pressure	4,673.80	608.32
23 34 16 00-0078	EA		3 HP Centrifugal Fan, 27" Wheel, 2,734 - 13,266 CFM At 1/8" Static Pressure.....	5,006.76	699.47
23 34 16 00-0079	EA		5 HP Centrifugal Fan, 27" Wheel, 2,734 - 13,266 CFM At 1/8" Static Pressure.....	5,043.84	776.84
23 34 16 00-0080			Large Industrial Type Utility Backward Centrifugal Fans (23 34 16 00-0002)		
			Note: Over 30" diameter wheel.		
23 34 16 00-0081			30" Diameter Wheel 4,926 To 17,456 CFM At 1/8" Static Pressure (23 34 16 00-0080)		
23 34 16 00-0082	EA		1/2 HP Centrifugal Fan, 30" Wheel, 4,926 - 17,456 CFM At 1/8" Static Pressure.....	5,681.54	466.31
23 34 16 00-0083	EA		3/4 HP Centrifugal Fan, 30" Wheel, 4,926 - 17,456 CFM At 1/8" Static Pressure.....	5,784.40	499.17
23 34 16 00-0084	EA		1 HP Centrifugal Fan, 30" Wheel, 4,926 - 17,456 CFM At 1/8" Static Pressure.....	5,942.25	559.58
23 34 16 00-0085	EA		1-1/2 HP Centrifugal Fan, 30" Wheel, 4,926 - 17,456 CFM At 1/8" Static Pressure	6,083.86	608.32
23 34 16 00-0086	EA		2 HP Centrifugal Fan, 30" Wheel, 4,926 - 17,456 CFM At 1/8" Static Pressure.....	6,290.67	699.47
23 34 16 00-0087	EA		3 HP Centrifugal Fan, 30" Wheel, 4,926 - 17,456 CFM At 1/8" Static Pressure.....	6,476.64	776.84
23 34 16 00-0088	EA		5 HP Centrifugal Fan, 30" Wheel, 4,926 - 17,456 CFM At 1/8" Static Pressure.....	6,780.40	932.63
23 34 16 00-0089	EA		7-1/2 HP Centrifugal Fan, 30" Wheel, 4,926 - 17,456 CFM At 1/8" Static Pressure	7,061.02	1,075.70
23 34 16 00-0090			33" Diameter Wheel 5,734 To 19,799 CFM At 1/8" Static Pressure (23 34 16 00-0080)		
23 34 16 00-0091	EA		1/2 HP Centrifugal Fan, 33" Wheel, 5,734 - 19,799 CFM At 1/8" Static Pressure.....	6,670.16	499.17
23 34 16 00-0092	EA		3/4 HP Centrifugal Fan, 33" Wheel, 5,734 - 19,799 CFM At 1/8" Static Pressure.....	6,874.71	559.58
23 34 16 00-0093	EA		1 HP Centrifugal Fan, 33" Wheel, 5,734 - 19,799 CFM At 1/8" Static Pressure.....	7,062.16	608.32
23 34 16 00-0094	EA		1-1/2 HP Centrifugal Fan, 33" Wheel, 5,734 - 19,799 CFM At 1/8" Static Pressure	7,314.11	699.47
23 34 16 00-0095	EA		2 HP Centrifugal Fan, 33" Wheel, 5,734 - 19,799 CFM At 1/8" Static Pressure.....	7,545.57	776.84
23 34 16 00-0096	EA		3 HP Centrifugal Fan, 33" Wheel, 5,734 - 19,799 CFM At 1/8" Static Pressure.....	7,894.80	932.63
23 34 16 00-0097	EA		5 HP Centrifugal Fan, 33" Wheel, 5,734 - 19,799 CFM At 1/8" Static Pressure.....	8,288.72	1,075.70
23 34 16 00-0098	EA		7-1/2 HP Centrifugal Fan, 33" Wheel, 5,734 - 19,799 CFM At 1/8" Static Pressure	8,828.76	1,398.94
23 34 16 00-0099			36-1/2" Diameter Wheel 5,388 To 22,500 CFM At 1/8" Static Pressure (23 34 16 00-0080)		
23 34 16 00-0100	EA		1/2 HP Centrifugal Fan, 36-1/2" Wheel, 5,388 - 22,500 CFM At 1/8" Static Pressure	5,507.27	559.58
23 34 16 00-0101	EA		3/4 HP Centrifugal Fan, 36-1/2" Wheel, 5,388 - 22,500 CFM At 1/8" Static Pressure	5,581.00	608.32
23 34 16 00-0102	EA		1 HP Centrifugal Fan, 36-1/2" Wheel, 5,388 - 22,500 CFM At 1/8" Static Pressure	5,719.23	699.47
23 34 16 00-0103	EA		1-1/2 HP Centrifugal Fan, 36-1/2" Wheel, 5,388 - 22,500 CFM At 1/8" Static Pressure	5,859.90	776.84
23 34 16 00-0104	EA		2 HP Centrifugal Fan, 36-1/2" Wheel, 5,388 - 22,500 CFM At 1/8" Static Pressure	6,653.70	932.63
23 34 16 00-0105	EA		3 HP Centrifugal Fan, 36-1/2" Wheel, 5,388 - 22,500 CFM At 1/8" Static Pressure	6,967.68	1,075.70
23 34 16 00-0106	EA		5 HP Centrifugal Fan, 36-1/2" Wheel, 5,388 - 22,500 CFM At 1/8" Static Pressure	7,556.69	1,398.94
23 34 16 00-0107	EA		7-1/2 HP Centrifugal Fan, 36-1/2" Wheel, 5,388 - 22,500 CFM At 1/8" Static Pressure	8,186.46	1,748.67
23 34 16 00-0108			Kitchen System Fans (23 34 16 00-0001)		
23 34 16 00-0109			Upblast Kitchen Exhaust Fans (23 34 16 00-0108)		
23 34 16 00-0110			Direct Drive Kitchen Upblast Exhaust Fans (23 34 16 00-0109)		
			Note: Greenheck CUE.		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 34 16 00-0111 EA Up To 12" Wheel Diameter, 1/6 HP Direct Drive, Kitchen Upblast Exhaust Fan Note: 115V. For roof or wall installations. Includes disconnect switch.	840.12	137.77
<i>For Bird Screen, Add</i>	31.99	
<i>For Backdraft Damper, Add</i>	85.39	
<i>For Damper Motor, Add</i>	129.64	
23 34 16 00-0112 EA 14" Wheel Diameter, 1/4 HP Direct Drive, Kitchen Upblast Exhaust Fan Note: 115V. For roof or wall installations. Includes disconnect switch.	967.22	137.77
<i>For Bird Screen, Add</i>	31.99	
<i>For Backdraft Damper, Add</i>	85.39	
<i>For Damper Motor, Add</i>	129.64	
23 34 16 00-0113 Belt Drive Kitchen Upblast Exhaust Fans (23 34 16 00-0109)		
Note: Greenheck CUBE.		
23 34 16 00-0114 EA 10" Diameter Wheel, Up To 1/3 HP, 1,458 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan Note: 115/208-230/60/1. Includes heat baffle, grease baffle and disconnect switch.	1,368.82	137.77
<i>For Bird Screen, Add</i>	31.99	
<i>For Wall Mounted Fan, Add</i>	54.75	
<i>For 3 Phase Motor, Deduct</i>	-50.00	
<i>For Totally Enclosed Motor, Add</i>	85.00	
<i>For Grease Trap Kit, Add</i>	76.41	
<i>For Hinged Curb Kit, Add</i>	92.93	
<i>For Backdraft Damper, Add</i>	85.39	
<i>For Damper Motor, Add</i>	129.64	
23 34 16 00-0115 EA 12" Diameter Wheel, 1/2 HP, 1,923 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan Note: 115/208-230/60/1. Includes heat baffle, grease baffle and disconnect switch.	1,423.98	137.77
<i>For Bird Screen, Add</i>	31.99	
<i>For Wall Mounted Fan, Add</i>	56.96	
<i>For 3 Phase Motor, Deduct</i>	-50.00	
<i>For Totally Enclosed Motor, Add</i>	85.00	
<i>For Grease Trap Kit, Add</i>	76.41	
<i>For Hinged Curb Kit, Add</i>	97.62	
<i>For Backdraft Damper, Add</i>	85.39	
<i>For Damper Motor, Add</i>	129.64	
23 34 16 00-0116 EA 14" Diameter Wheel, 1/3 HP, 2,006 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan Note: 115/208-230/60/1. Includes heat baffle, grease baffle and disconnect switch.	1,253.45	158.97
<i>For Bird Screen, Add</i>	36.41	
<i>For Wall Mounted Fan, Add</i>	50.14	
<i>For 3 Phase Motor, Deduct</i>	-50.00	
<i>For Totally Enclosed Motor, Add</i>	85.00	
<i>For Grease Trap Kit, Add</i>	76.41	
<i>For Hinged Curb Kit, Add</i>	79.52	
<i>For Backdraft Damper, Add</i>	96.69	
<i>For Damper Motor, Add</i>	129.64	
23 34 16 00-0117 EA 14" Diameter Wheel, 1 HP, 2,757 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan Note: 115/208-230/60/1. Includes heat baffle, grease baffle and disconnect switch.	1,332.88	158.97
<i>For Bird Screen, Add</i>	36.41	
<i>For Wall Mounted Fan, Add</i>	53.32	
<i>For 3 Phase Motor, Deduct</i>	-50.00	
<i>For Totally Enclosed Motor, Add</i>	85.00	
<i>For Grease Trap Kit, Add</i>	76.41	
<i>For Hinged Curb Kit, Add</i>	86.27	
<i>For Backdraft Damper, Add</i>	96.69	
<i>For Damper Motor, Add</i>	129.64	
23 34 16 00-0118 EA 16" Diameter Wheel, 1/2 HP, 2,940 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan Note: 115/208-230/60/1. Includes heat baffle, grease baffle and disconnect switch.	1,681.53	185.46
<i>For Bird Screen, Add</i>	36.41	
<i>For Wall Mounted Fan, Add</i>	67.26	
<i>For 3 Phase Motor, Deduct</i>	-50.00	
<i>For Totally Enclosed Motor, Add</i>	85.00	
<i>For Grease Trap Kit, Add</i>	76.41	
<i>For Hinged Curb Kit, Add</i>	111.40	
<i>For Backdraft Damper, Add</i>	96.69	
<i>For Damper Motor, Add</i>	129.64	
23 34 16 00-0119 EA 16" Diameter Wheel, 1 HP, 3,129 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan Note: 115/208-230/60/1. Includes heat baffle, grease baffle and disconnect switch.	1,766.48	185.46
<i>For Bird Screen, Add</i>	36.41	
<i>For Wall Mounted Fan, Add</i>	70.66	
<i>For 3 Phase Motor, Deduct</i>	-50.00	
<i>For Totally Enclosed Motor, Add</i>	85.00	
<i>For Grease Trap Kit, Add</i>	76.41	
<i>For Hinged Curb Kit, Add</i>	118.62	
<i>For Backdraft Damper, Add</i>	96.69	
<i>For Damper Motor, Add</i>	129.64	
23 34 16 00-0120 EA 18" Diameter Wheel, 1/2 HP, 3,243 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan Note: 115/208-230/60/1. Includes heat baffle, grease baffle and disconnect switch.	1,922.05	198.71
<i>For Bird Screen, Add</i>	60.68	
<i>For Wall Mounted Fan, Add</i>	76.88	
<i>For 3 Phase Motor, Deduct</i>	-50.00	
<i>For Totally Enclosed Motor, Add</i>	85.00	
<i>For Grease Trap Kit, Add</i>	76.41	
<i>For Hinged Curb Kit, Add</i>	129.59	
<i>For Backdraft Damper, Add</i>	116.99	
<i>For Damper Motor, Add</i>	129.64	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 34 HVAC Fans**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 34 16 00-0121 EA 18" Diameter Wheel, 1 HP, 4,223 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan .....2,054.44		198.71
Note: 115/208-230/60/1. Includes heat baffle, grease baffle and disconnect switch.		
For Bird Screen, Add	60.68	
For Wall Mounted Fan, Add	82.18	
For 3 Phase Motor, Deduct	-50.00	
For Totally Enclosed Motor, Add	85.00	
For Grease Trap Kit, Add	76.41	
For Hinged Curb Kit, Add	140.85	
For Backdraft Damper, Add	116.99	
For Damper Motor, Add	129.64	
23 34 16 00-0122 EA 20" Diameter Wheel, 3/4 HP, 4,438 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan .....2,096.37		211.96
Note: 115/208-230/60/1. Includes heat baffle, grease baffle and disconnect switch.		
For Bird Screen, Add	60.68	
For Wall Mounted Fan, Add	83.85	
For 3 Phase Motor, Deduct	-50.00	
For Totally Enclosed Motor, Add	85.00	
For Grease Trap Kit, Add	76.41	
For Hinged Curb Kit, Add	142.16	
For Backdraft Damper, Add	116.99	
For Damper Motor, Add	129.64	
23 34 16 00-0123 EA 20" Diameter Wheel, 2 HP, 6,450 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan .....2,282.81		211.96
Note: 115/208-230/60/1. Includes heat baffle, grease baffle and disconnect switch.		
For Bird Screen, Add	60.68	
For Wall Mounted Fan, Add	91.31	
For 3 Phase Motor, Deduct	-50.00	
For Totally Enclosed Motor, Add	85.00	
For Grease Trap Kit, Add	76.41	
For Hinged Curb Kit, Add	158.01	
For Backdraft Damper, Add	116.99	
For Damper Motor, Add	129.64	
23 34 16 00-0124 EA 24" Diameter Wheel, 3/4 HP, 5,460 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan .....2,624.84		238.45
Note: 115/208-230/60/1. Includes heat baffle, grease baffle and disconnect switch.		
For Bird Screen, Add	71.71	
For Wall Mounted Fan, Add	104.99	
For 3 Phase Motor, Deduct	-50.00	
For Totally Enclosed Motor, Add	85.00	
For Grease Trap Kit, Add	76.41	
For Hinged Curb Kit, Add	182.57	
For Backdraft Damper, Add	127.29	
For Damper Motor, Add	129.64	
23 34 16 00-0125 EA 24" Diameter Wheel, 2 HP, 7,985 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan .....2,795.84		238.45
Note: 115/208-230/60/1. Includes heat baffle, grease baffle and disconnect switch.		
For Bird Screen, Add	71.71	
For Wall Mounted Fan, Add	111.83	
For 3 Phase Motor, Deduct	-50.00	
For Totally Enclosed Motor, Add	85.00	
For Grease Trap Kit, Add	76.41	
For Hinged Curb Kit, Add	197.11	
For Backdraft Damper, Add	127.29	
For Damper Motor, Add	129.64	
23 34 16 00-0126 EA 30" Diameter Wheel, 3/4 HP, 7,771 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan .....3,300.04		264.95
Note: 115/208-230/60/3. Includes heat baffle, grease baffle and disconnect switch.		
For Bird Screen, Add	77.22	
For Wall Mounted Fan, Add	132.00	
For Totally Enclosed Motor, Add	85.00	
For Grease Trap Kit, Add	76.41	
For Hinged Curb Kit, Add	235.46	
For Backdraft Damper, Add	140.58	
For Damper Motor, Add	129.64	
23 34 16 00-0127 EA 30" Diameter Wheel, 2 HP, 10,192 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan .....3,356.30		264.95
Note: 115/208-230/60/3. Includes heat baffle, grease baffle and disconnect switch.		
For Bird Screen, Add	77.22	
For Wall Mounted Fan, Add	134.25	
For Totally Enclosed Motor, Add	85.00	
For Grease Trap Kit, Add	76.41	
For Hinged Curb Kit, Add	240.24	
For Backdraft Damper, Add	140.58	
For Damper Motor, Add	129.64	
23 34 16 00-0128 EA 30" Diameter Wheel, 3 HP, 11,903 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan .....3,642.03		264.95
Note: 115/208-230/60/3. Includes heat baffle, grease baffle and disconnect switch.		
For Bird Screen, Add	77.22	
For Wall Mounted Fan, Add	145.68	
For Totally Enclosed Motor, Add	85.00	
For Grease Trap Kit, Add	76.41	
For Hinged Curb Kit, Add	264.53	
For Backdraft Damper, Add	140.58	
For Damper Motor, Add	129.64	
23 34 16 00-0129 EA 30" Diameter Wheel, 5 HP, 14,266 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan .....3,779.93		264.95
Note: 115/208-230/60/3. Includes heat baffle, grease baffle and disconnect switch.		
For Bird Screen, Add	77.22	
For Wall Mounted Fan, Add	151.20	
For Totally Enclosed Motor, Add	85.00	
For Grease Trap Kit, Add	76.41	
For Hinged Curb Kit, Add	276.25	
For Backdraft Damper, Add	140.58	
For Damper Motor, Add	129.64	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 34 16 00-0130 EA 36" Diameter Wheel, 3 HP , 14,769 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan 4,161.84	4,161.84	291.45
Note: 115/208-230/60/3. Includes heat baffle, grease baffle and disconnect switch.		
<i>For Bird Screen, Add</i>	88.26	
<i>For Wall Mounted Fan, Add</i>	166.47	
<i>For Totally Enclosed Motor, Add</i>	85.00	
<i>For Grease Trap Kit, Add</i>	76.41	
<i>For Hinged Curb Kit, Add</i>	304.21	
<i>For Damper Motor, Add</i>	129.64	
<i>For Backdraft Damper, Add</i>	162.03	
23 34 16 00-0131 EA 36" Diameter Wheel, 5 HP , 17,884 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan 4,320.42	4,320.42	291.45
Note: 115/208-230/60/3. Includes heat baffle, grease baffle and disconnect switch.		
<i>For Bird Screen, Add</i>	88.26	
<i>For Wall Mounted Fan, Add</i>	172.82	
<i>For Totally Enclosed Motor, Add</i>	85.00	
<i>For Grease Trap Kit, Add</i>	76.41	
<i>For Hinged Curb Kit, Add</i>	317.69	
<i>For Damper Motor, Add</i>	129.64	
<i>For Backdraft Damper, Add</i>	162.03	
23 34 16 00-0132 EA 42" Diameter Wheel, 3 HP , 17,316 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan 4,377.84	4,377.84	317.94
Note: 230/460/60/3. Includes birdscreen, heat baffle, grease baffle and disconnect switch.		
<i>For Bird Screen, Add</i>	88.26	
<i>For Totally Enclosed Motor, Add</i>	85.00	
<i>For Grease Trap Kit, Add</i>	76.41	
<i>For Hinged Curb Kit, Add</i>	318.07	
<i>For Damper Motor, Add</i>	129.64	
<i>For Backdraft Damper, Add</i>	184.86	
23 34 16 00-0133 EA 42" Diameter Wheel, 7-1/2 HP , 24,604 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan 4,726.01	4,726.01	317.94
Note: 230/460/60/3. Includes birdscreen, heat baffle, grease baffle and disconnect switch.		
<i>For Bird Screen, Add</i>	88.26	
<i>For Totally Enclosed Motor, Add</i>	85.00	
<i>For Grease Trap Kit, Add</i>	76.41	
<i>For Hinged Curb Kit, Add</i>	347.67	
<i>For Damper Motor, Add</i>	129.64	
<i>For Backdraft Damper, Add</i>	184.86	
23 34 16 00-0134 Untempered Kitchen Make-Up Air Fans (23 34 16 00-0108)		
Note: Roof mounted with downblast discharge, weatherhood and filter.		
23 34 16 00-0135 Direct Drive Kitchen Make-Up Air Fans (23 34 16 00-0134)		
23 34 16 00-0136 EA 7" Diameter Wheel, 1/2 HP Direct Drive, Kitchen Make-Up Air Fan 893.63	893.63	137.77
Note: 115V. For roof installations. Includes downblast discharge, weatherhood, filter and disconnect switch.		
<i>For Extended Weatherhood, Add</i>	161.57	
23 34 16 00-0137 EA 8" Diameter Wheel, 1 HP Direct Drive, Kitchen Make-Up Air Fan 932.77	932.77	137.77
Note: 115V. For roof installations. Includes downblast discharge, weatherhood, filter and disconnect switch.		
<i>For Extended Weatherhood, Add</i>	167.44	
23 34 16 00-0138 EA 9" Diameter Wheel, 1 HP Direct Drive, Kitchen Make-Up Air Fan 980.80	980.80	137.77
Note: 115V. For roof installations. Includes downblast discharge, weatherhood, filter and disconnect switch.		
<i>For Extended Weatherhood, Add</i>	174.65	
23 34 16 00-0139 Belt Drive Kitchen Make-Up Air Fans (23 34 16 00-0134)		
23 34 16 00-0140 EA 9" Diameter Wheel, 1/2 HP Belt Drive, Kitchen Make-Up Air Fan 999.43	999.43	137.77
Note: 115/208-230/60/1. For roof installations. Includes downblast discharge, weatherhood, filter and disconnect switch.		
<i>For Extended Weatherhood, Add</i>	177.44	
23 34 16 00-0141 EA 10" Diameter Wheel, 1-1/2 HP Belt Drive, Kitchen Make-Up Air Fan 1,148.31	1,148.31	185.46
Note: 115/208-230/60/1. For roof installations. Includes downblast discharge, weatherhood, filter and disconnect switch.		
<i>For Extended Weatherhood, Add</i>	209.34	
23 34 16 00-0142 EA 12" Diameter Wheel, 2 HP Belt Drive, Kitchen Make-Up Air Fan 1,373.92	1,373.92	211.96
Note: 115/208-230/60/1. For roof installations. Includes downblast discharge, weatherhood, filter and disconnect switch.		
<i>For Extended Weatherhood, Add</i>	248.48	
23 34 16 00-0143 EA 15" Diameter Wheel, 3 HP Belt Drive, Kitchen Make-Up Air Fan 1,609.90	1,609.90	264.95
Note: 230/460/60/3. For roof installations. Includes downblast discharge, weatherhood, filter and disconnect switch.		
<i>For Extended Weatherhood, Add</i>	294.48	
23 34 16 00-0144 EA 18" Diameter Wheel, 5 HP Belt Drive, Kitchen Make-Up Air Fan 1,945.83	1,945.83	317.94
Note: 230/460/60/3. For roof installations. Includes downblast discharge, weatherhood, filter and disconnect switch.		
<i>For Extended Weatherhood, Add</i>	355.46	
23 34 16 00-0145 Replacement Parts (23 34 16 00-0001)		
23 34 16 00-0146 Replace Belts And Accessories (23 34 16 00-0145)		
23 34 16 00-0147 EA Fan Shaft Bearing, Replacement 790.08	790.08	366.25
23 34 16 00-0148 EA Fan Belt, Replacement 122.48	122.48	49.69
23 34 16 00-0149 Corrosive Fume Resistant Plastic (23 34 16 00-0001)		
23 34 16 00-0150 Centrifugal Roof Ventilators, Belt Drive, 1/4" Static Pressure (23 34 16 00-0149)		

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 34 HVAC Fans**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 34 16 00-0151 EA 250 CFM, 1/4 HP Roof Ventilator, Centrifugal, Belt Drive, Corrosive Fume Resistant Plastic.....	3,909.16	191.66
<i>For Explosion Proof Motor, Add</i>	<i>528.88</i>	
23 34 16 00-0152 EA 895 CFM, 1/3 HP Roof Ventilator, Centrifugal, Belt Drive, Corrosive Fume Resistant Plastic.....	4,261.03	230.23
<i>For Explosion Proof Motor, Add</i>	<i>570.09</i>	
23 34 16 00-0153 EA 1,630 CFM, 1/2 HP Roof Ventilator, Centrifugal, Belt Drive, Corrosive Fume Resistant Plastic.....	5,063.01	287.77
<i>For Explosion Proof Motor, Add</i>	<i>673.12</i>	
23 34 16 00-0154 EA 2,240 CFM, 1 HP Roof Ventilator, Centrifugal, Belt Drive, Corrosive Fume Resistant Plastic.....	5,484.27	383.89
<i>For Explosion Proof Motor, Add</i>	<i>707.46</i>	
23 34 16 00-0155 EA 3,810 CFM, 2 HP Roof Ventilator, Centrifugal, Belt Drive, Corrosive Fume Resistant Plastic.....	6,371.21	575.56
<i>For Explosion Proof Motor, Add</i>	<i>783.01</i>	
23 34 16 00-0156 EA 11,760 CFM, 5 HP Roof Ventilator, Centrifugal, Belt Drive, Corrosive Fume Resistant Plastic.....	11,093.96	1,151.12
<i>For Explosion Proof Motor, Add</i>	<i>1,318.76</i>	
23 34 16 00-0157 EA 18,810 CFM, 10 HP Roof Ventilator, Centrifugal, Belt Drive, Corrosive Fume Resistant Plastic.....	16,158.05	1,645.52
<i>For Explosion Proof Motor, Add</i>	<i>1,930.06</i>	
23 34 16 00-0158 Utility Set, Centrifugal, Belt Drive (23 34 16 00-0149)		
23 34 16 00-0159 EA 1,200 CFM, 1/4 HP Utility Set, Centrifugal, Belt Drive, 1/4 Static Pressure, Corrosive Fume Resistant Plastic.....	3,909.16	191.66
<i>For Explosion Proof Motor, Add</i>	<i>528.88</i>	
23 34 16 00-0160 EA 1,520 CFM, 1/3 HP Utility Set, Centrifugal, Belt Drive, 1/4 Static Pressure, Corrosive Fume Resistant Plastic.....	4,032.08	230.23
<i>For Explosion Proof Motor, Add</i>	<i>535.75</i>	
23 34 16 00-0161 EA 1,850 CFM, 1/2 HP Utility Set, Centrifugal, Belt Drive, 1/4 Static Pressure, Corrosive Fume Resistant Plastic.....	4,147.20	287.77
<i>For Explosion Proof Motor, Add</i>	<i>535.75</i>	
23 34 16 00-0162 EA 2,180 CFM, 3/4 HP Utility Set, Centrifugal, Belt Drive, 1/4 Static Pressure, Corrosive Fume Resistant Plastic.....	4,339.51	383.89
<i>For Explosion Proof Motor, Add</i>	<i>535.75</i>	
23 34 16 00-0163 EA 3,600 CFM, 1 HP Utility Set, Centrifugal, Belt Drive, 1/4 Static Pressure, Corrosive Fume Resistant Plastic.....	6,004.89	575.56
<i>For Explosion Proof Motor, Add</i>	<i>728.07</i>	
23 34 16 00-0164 EA 4,250 CFM, 1-1/2 HP Utility Set, Centrifugal, Belt Drive, 1/4 Static Pressure, Corrosive Fume Resistant Plastic.....	6,292.66	719.44
<i>For Explosion Proof Motor, Add</i>	<i>728.07</i>	
23 34 16 00-0165 EA 4,800 CFM, 2 HP Utility Set, Centrifugal, Belt Drive, 1/4 Static Pressure, Corrosive Fume Resistant Plastic.....	6,500.31	823.27
<i>For Explosion Proof Motor, Add</i>	<i>728.07</i>	
23 34 16 00-0166 EA 6,920 CFM, 5 HP Utility Set, Centrifugal, Belt Drive, 1/4 Static Pressure, Corrosive Fume Resistant Plastic.....	6,672.02	863.33
<i>For Explosion Proof Motor, Add</i>	<i>741.80</i>	
23 34 16 00-0167 EA 7,700 CFM, 7-1/2 HP Utility Set, Centrifugal, Belt Drive, 1/4 Static Pressure, Corrosive Fume Resistant Plastic.....	6,909.66	959.22
<i>For Explosion Proof Motor, Add</i>	<i>748.67</i>	
23 34 16 00-0168 In-Line Duct Fans (23 34 16 00-0001)		
23 34 16 00-0169 Direct Drive In-Line Duct Fans (23 34 16 00-0168)		
Note: Greenheck SQ.		
23 34 16 00-0170 EA Up To 10" Wheel Diameter, 1/16 HP Direct Drive, In Line Duct Fan.....	1,085.69	137.77
Note: 115V. Includes disconnect switch.		
23 34 16 00-0171 EA 13" Wheel Diameter, 1/6 HP Direct Drive, In Line Duct Fan.....	1,370.90	148.37
Note: 115V. Includes disconnect switch.		
23 34 16 00-0172 EA 14" Wheel Diameter, 1/3 HP Direct Drive, In Line Duct Fan.....	1,501.02	158.97
Note: 115V. Includes disconnect switch.		
23 34 16 00-0173 Belt Drive In-Line Duct Fans (23 34 16 00-0168)		
Note: Greenheck BSQ.		
23 34 16 00-0174 EA Up To 12" Wheel Diameter, 1/4 HP Belt Drive, In Line Duct Fan.....	1,564.04	158.97
Note: 115/208-230/60/1. Includes disconnect switch.		
<i>For 3 Phase Motor, Deduct</i>	<i>-50.00</i>	
<i>For Totally Enclosed Motor, Add</i>	<i>85.00</i>	
23 34 16 00-0175 EA 13" Or 14" Wheel Diameter, 1/4 HP Belt Drive, In Line Duct Fan.....	1,799.26	185.46
Note: 115/208-230/60/1. Includes disconnect switch.		
<i>For 3 Phase Motor, Deduct</i>	<i>-50.00</i>	
<i>For Totally Enclosed Motor, Add</i>	<i>85.00</i>	
23 34 16 00-0176 EA 13" Or 14" Wheel Diameter, 3/4 HP Belt Drive, In Line Duct Fan.....	2,009.57	185.46
Note: 115/208-230/60/1. Includes disconnect switch.		
<i>For 3 Phase Motor, Deduct</i>	<i>-50.00</i>	
<i>For Totally Enclosed Motor, Add</i>	<i>85.00</i>	
23 34 16 00-0177 EA 13" Or 14" Wheel Diameter, 1-1/2 HP Belt Drive, In Line Duct Fan.....	2,188.36	185.46
Note: 115/208-230/60/1. Includes disconnect switch.		
<i>For 3 Phase Motor, Deduct</i>	<i>-50.00</i>	
<i>For Totally Enclosed Motor, Add</i>	<i>85.00</i>	
23 34 16 00-0178 EA 16" Or 18" Wheel Diameter, 1/3 HP Belt Drive, In Line Duct Fan.....	2,150.24	211.96
Note: 115/208-230/60/1. Includes disconnect switch.		
<i>For 3 Phase Motor, Deduct</i>	<i>-50.00</i>	
<i>For Totally Enclosed Motor, Add</i>	<i>85.00</i>	
23 34 16 00-0179 EA 16" Or 18" Wheel Diameter, 1-1/2 HP Belt Drive, In Line Duct Fan.....	2,453.03	211.96
Note: 115/208-230/60/1. Includes disconnect switch.		
<i>For 3 Phase Motor, Deduct</i>	<i>-50.00</i>	
<i>For Totally Enclosed Motor, Add</i>	<i>85.00</i>	
23 34 16 00-0180 EA 24" Wheel Diameter, 1 HP Belt Drive, In Line Duct Fan.....	3,118.69	264.95
Note: 115/208-230/60/1. Includes disconnect switch.		
<i>For 3 Phase Motor, Deduct</i>	<i>-50.00</i>	
<i>For Totally Enclosed Motor, Add</i>	<i>85.00</i>	
23 34 16 00-0181 EA 24" Wheel Diameter, 3 HP Belt Drive, In Line Duct Fan.....	3,285.84	264.95
Note: 230/460/60/3. Includes disconnect switch.		
<i>For Totally Enclosed Motor, Add</i>	<i>85.00</i>	
23 34 16 00-0182 EA 24" Wheel Diameter, 5 HP Belt Drive, In Line Duct Fan.....	3,403.67	264.95
Note: Belt drive. 230/460/60/3. Includes disconnect switch.		
<i>For Totally Enclosed Motor, Add</i>	<i>85.00</i>	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 34 16 00-0183 EA 30 Or 36" Wheel Diameter, 3 HP Belt Drive, In Line Duct Fan Note: 230/460/60/3. Includes disconnect switch.	3,943.35	317.94
<i>For Totally Enclosed Motor, Add</i>	85.00	
23 34 16 00-0184 EA 30 Or 36" Wheel Diameter, 5 HP Belt Drive, In Line Duct Fan Note: 230/460/60/3. Includes disconnect switch.	4,083.98	317.94
<i>For Totally Enclosed Motor, Add</i>	85.00	
23 34 16 00-0185 EA 30 Or 36" Wheel Diameter, 7-1/2 HP Belt Drive, In Line Duct Fan Note: 230/460/60/3. Includes disconnect switch.	4,256.81	317.94
<i>For Totally Enclosed Motor, Add</i>	85.00	
23 34 16 00-0186 In-Line Cabinet Fans (23 34 16 00-0001)		
23 34 16 00-0187 EA 950 CFM, 80 Watts, Direct Drive In-Line Cabinet Fan.....	331.81	92.74
23 34 16 00-0188 EA 1,050 CFM, 129 Watts, Direct Drive In-Line Cabinet Fan.....	347.22	92.74
23 34 16 00-0189 EA 1,100 CFM, 173 Watts, Direct Drive In-Line Cabinet Fan.....	368.13	92.74
23 34 16 00-0190 EA 950 CFM, 48.7 Watts, Direct Drive In-Line Cabinet Fan.....	367.03	92.74
23 34 16 00-0191 EA 1,100 CFM, 52.5 Watts, Direct Drive In-Line Cabinet Fan.....	367.03	92.74
23 34 16 00-0192 EA 1,400 CFM, 100 Watts, Direct Drive In-Line Cabinet Fan.....	400.04	92.74
23 34 16 00-0193 EA 900 CFM, 48.2 Watts, Direct Drive In-Line Cabinet Fan.....	470.06	98.03
23 34 16 00-0194 EA 1,000 CFM, 82.7 Watts, Direct Drive In-Line Cabinet Fan.....	411.74	98.03
23 34 16 00-0195 EA 1,050 CFM, 80.7 Watts, Direct Drive In-Line Cabinet Fan.....	433.75	98.03
23 34 16 00-0196 EA 1,350 CFM, 140 Watts, Direct Drive In-Line Cabinet Fan.....	448.05	98.03
23 34 16 00-0197 EA 1,000 CFM, 135 Watts, Direct Drive In-Line Cabinet Fan.....	464.56	98.03
23 34 16 00-0198 EA 1,070 CFM, 217 Watts, Direct Drive In-Line Cabinet Fan.....	464.56	98.03
23 34 16 00-0199 EA 1,100 CFM, 350 Watts, Direct Drive In-Line Cabinet Fan.....	713.95	103.33
23 34 16 00-0200 EA 1,080 CFM, 325 Watts, Direct Drive In-Line Cabinet Fan.....	613.82	103.33
23 34 16 00-0201 EA 1,600 CFM, 405 Watts, Direct Drive In-Line Cabinet Fan.....	613.82	103.33
23 34 16 00-0202 EA 950 CFM, 328 Watts, Direct Drive In-Line Cabinet Fan.....	801.99	103.33
23 34 16 00-0203 EA 1,095 CFM, 455 Watts, Direct Drive In-Line Cabinet Fan.....	801.99	103.33
23 34 16 00-0204 EA 1,450 CFM, 822 Watts, Direct Drive In-Line Cabinet Fan.....	801.99	103.33
23 34 16 00-0205 EA 1,610 CFM, 830 Watts, Direct Drive In-Line Cabinet Fan.....	864.71	103.33
23 34 16 00-0206 Propeller And Ceiling Fans (23 34 16)		
23 34 16 00-0207 Direct Drive, Sidewall Propeller Exhaust Fan (23 34 16 00-0206)		
Note: Greenheck SE1.		
23 34 16 00-0208 EA 1/25 HP, 307 CFM At 1/8" Static Pressure, 8" Diameter, Direct Drive, Sidewall Propeller Exhaust Fan Note: Includes motor side guard.	478.37	113.40
<i>For Backdraft Damper, Add</i>	88.80	
<i>For Wall Mount Collar, Add</i>	161.09	
23 34 16 00-0209 EA 1/12 HP, 763 CFM At 1/8" Static Pressure, 10" Diameter, Direct Drive, Sidewall Propeller Exhaust Fan Note: Includes motor side guard.	511.53	126.11
<i>For Backdraft Damper, Add</i>	97.09	
<i>For Wall Mount Collar, Add</i>	161.09	
23 34 16 00-0210 EA 1/8 HP, 1,149 CFM At 1/8" Static Pressure, 12" Diameter, Direct Drive, Sidewall Propeller Exhaust Fan Note: Includes motor side guard.	566.66	139.89
<i>For Backdraft Damper, Add</i>	107.39	
<i>For Wall Mount Collar, Add</i>	165.45	
23 34 16 00-0211 EA 1/6 HP, 1,350 CFM At 1/8" Static Pressure, 14" Diameter, Direct Drive, Sidewall Propeller Exhaust Fan <i>For Backdraft Damper, Add</i> <i>For Wall Mount Collar, Add</i> <i>For Motor Side Guard, Add</i>	789.35 126.69 168.72 134.16	154.73
23 34 16 00-0212 EA 1/6 HP, 2,012 CFM At 1/8" Static Pressure, 16" Diameter, Direct Drive, Sidewall Propeller Exhaust Fan <i>For Backdraft Damper, Add</i> <i>For Wall Mount Collar, Add</i> <i>For Motor Side Guard, Add</i>	815.18 126.69 173.10 142.94	171.69
23 34 16 00-0213 EA 1/4 HP, 2,908 CFM At 1/8" Static Pressure, 18" Diameter, Direct Drive, Sidewall Propeller Exhaust Fan <i>For Backdraft Damper, Add</i> <i>For Wall Mount Collar, Add</i> <i>For Motor Side Guard, Add</i>	914.56 150.99 177.46 151.72	190.76
23 34 16 00-0214 EA 1/3 HP, 3,974 CFM At 1/8" Static Pressure, 20" Diameter, Direct Drive, Sidewall Propeller Exhaust Fan <i>For Backdraft Damper, Add</i> <i>For Wall Mount Collar, Add</i> <i>For Motor Side Guard, Add</i>	1,039.28 150.99 180.73 163.82	211.96
23 34 16 00-0215 Belt Drive Propeller Exhaust Fans (23 34 16 00-0206)		
Note: Wall shutter 1/8" static pressure, with birdscreen.		
23 34 16 00-0216 EA 24" Propeller Exhaust Fan, V-Belt Drive, 5,795 CFM, 1/2 HP, With Wall Shutter.....	1,706.82	303.10
23 34 16 00-0217 EA 30" Propeller Exhaust Fan, V-Belt Drive, 9,060 CFM, 3/4 HP, With Wall Shutter.....	1,959.10	352.91
23 34 16 00-0218 EA 36" Propeller Exhaust Fan, V-Belt Drive, 11,850 CFM, 1 HP, With Wall Shutter.....	2,237.74	423.92
23 34 16 00-0219 EA 42" Propeller Exhaust Fan, V-Belt Drive, 17,400 CFM, 1-1/2 HP, With Wall Shutter.....	3,075.76	529.90
23 34 16 00-0220 EA 48" Propeller Exhaust Fan, V-Belt Drive, 19,870 CFM, 1-1/2 HP, With Wall Shutter.....	3,718.61	706.89
23 34 16 00-0221 EA 54" Propeller Exhaust Fan, V-Belt Drive, 26,000 CFM, 2 HP, With Wall Shutter.....	5,217.07	1,059.80
23 34 16 00-0222 EA 60" Propeller Exhaust Fan, V-Belt Drive, 35,120 CFM, 3 HP, With Wall Shutter.....	6,319.45	1,358.66
23 34 16 00-0223 Propeller Exhaust Fan Accessories (23 34 16 00-0206)		
23 34 16 00-0224 SF Hinged Mesh Screen For Wall Propeller Fans, 1" x 1" Frame (SF Of Fan Opening).....	89.63	
23 34 16 00-0225 SF Galvanized Weather Hood For Wall Propeller Fan (SF Of Fan Opening).....	202.85	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 34 HVAC Fans**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 34 16 00-0226 Reversible Ceiling Fans (23 34 16 00-0206)		
23 34 16 00-0227 4 Blade Ceiling Fans (23 34 16 00-0226)		
23 34 16 00-0228 EA 42" 4-Blade Ceiling Fan, Three Speed.....	399.03	51.43
For Brass Plated Motor, Add	20.25	
For Light Kit, Add	25.86	
23 34 16 00-0229 5 Blade Ceiling Fans (23 34 16 00-0226)		
23 34 16 00-0230 EA 42" 5-Blade Ceiling Fan, Three Speed.....	435.15	127.28
For Brass Plated Motor, Add	20.25	
For Light Kit, Add	25.91	
23 34 16 00-0231 EA 52" 5-Blade Ceiling Fan, Three Speed.....	495.54	127.28
For Brass Plated Motor, Add	20.25	
For Light Kit, Add	26.01	
23 34 16 00-0232 3 Blade Weatherproof Ceiling Fans (23 34 16 00-0226)		
23 34 16 00-0233 EA 3-Blade Ceiling Fan, Weatherproof, Three Speed.....	420.95	52.46
23 34 16 00-0234 Ceiling Fan Down Rod (23 34 16 00-0226)		
23 34 16 00-0235 EA 1' Ceiling Fan Down Rod.....	15.89	
23 34 16 00-0236 EA 1-1/2' Ceiling Fan Down Rod.....	19.63	
23 34 16 00-0237 EA 2' Ceiling Fan Down Rod.....	21.49	
23 34 16 00-0238 EA 3' Ceiling Fan Down Rod.....	27.49	
23 34 16 00-0239 EA 4' Ceiling Fan Down Rod.....	31.86	
23 34 16 00-0240 EA 5' Ceiling Fan Down Rod.....	38.35	
23 34 16 00-0241 EA 6' Ceiling Fan Down Rod.....	47.02	
23 34 16 00-0242 Explosion Proof Industrial Blowers (23 34 16 00-0206)		
23 34 16 00-0243 EA 355 To 500 CFM 1/3 HP Direct Drive Industrial Blower, To 1-1/4" S.P., Polypropylene (PP) Wheel, Polyvinyl Chloride (PVC) Housing, Explosion Proof.....	3,023.67	
23 34 16 00-0244 EA 355 To 500 CFM 1/3 HP Direct Drive Industrial Blower, To 1-1/4" S.P., Polyvinyl Chloride (PVC) Wheel And Housing, Explosion Proof.....	3,298.82	
23 34 16 00-0245 EA 355 To 500 CFM 1/3 HP Belt Drive Industrial Blower, To 1-1/4" S.P., Polypropylene (PP) Wheel, Polyvinyl Chloride (PVC) Housing, Explosion Proof.....	4,315.74	
23 34 16 00-0246 EA 355 To 500 CFM 1/3 HP Belt Drive Industrial Blower, To 1-1/4" S.P., Polyvinyl Chloride (PVC) Wheel And Housing, Explosion Proof.....	4,505.16	
23 34 16 00-0247 EA 355 To 500 CFM 1/3 HP Direct Drive Industrial Blower, To 1-1/4" S.P., Polypropylene (PP) Wheel, Polyvinyl Chloride (PVC) Housing, TEFC Motor Enclosure.....	2,776.43	
23 34 16 00-0248 EA 355 To 500 CFM 1/3 HP Direct Drive Industrial Blower, To 1-1/4" S.P., Polyvinyl Chloride (PVC) Wheel And Housing, TEFC Motor Enclosure.....	2,941.55	
23 34 16 00-0249 EA 355 To 500 CFM 1/3 HP Belt Drive Industrial Blower, To 1-1/4" S.P., Polypropylene (PP) Wheel, Polyvinyl Chloride (PVC) Housing, TEFC Motor Enclosure.....	3,951.65	
23 34 16 00-0250 EA 355 To 500 CFM 1/3 HP Belt Drive Industrial Blower, To 1-1/4" S.P., Polyvinyl Chloride (PVC) Wheel And Housing, TEFC Motor Enclosure.....	4,263.21	
23 34 16 00-0251 Exhaust Fans (23 34 16)		
23 34 16 00-0252 Exhaust Fans (23 34 16 00-0251)		
Note: Excludes ducting.		
23 34 16 00-0253 Light Duty Exhaust Fans (23 34 16 00-0252)		
23 34 16 00-0254 Light Duty Exhaust Fans (23 34 16 00-0253)		
23 34 16 00-0255 EA 50 CFM, Ceiling/Wall Mounted, Polymeric Intake Grille, Light Duty Exhaust Fan (Broan® 670).....	109.86	41.56
23 34 16 00-0256 EA 70 CFM, Ceiling/Wall Mounted, Polymeric Intake Grille, Light Duty Exhaust Fan (Broan® 671).....	114.33	41.56
23 34 16 00-0257 EA 180 CFM, Ceiling Mounted, Polymeric Intake Grille, Vertical Discharge, Light Duty Exhaust Fan (Broan® 505).....	167.95	41.56
23 34 16 00-0258 EA 350 CFM, Ceiling Mounted, Polymeric Intake Grille, Vertical Discharge, Light Duty Exhaust Fan (Broan® 504).....	203.81	41.56
23 34 16 00-0259 EA 160 CFM, Ceiling/Wall Mounted, Polymeric Intake Grille, Side Discharge, Light Duty Exhaust Fan (Broan® 503).....	185.60	41.56
23 34 16 00-0260 EA 270 CFM, Ceiling/Wall Mounted, Polymeric Intake Grille, Side Discharge, Light Duty Exhaust Fan (Broan® 502).....	236.52	41.56
23 34 16 00-0261 Light Duty Exhaust Fans With Lights (23 34 16 00-0253)		
23 34 16 00-0262 EA 50 CFM, Ceiling Mounted, Polymeric Intake Grille, Light Duty Exhaust Fan With Light (Broan® 678).....	133.75	41.56
23 34 16 00-0263 EA 70 CFM, Ceiling Mounted, Polymeric Intake Grille, Light Duty Exhaust Fan With Light (Broan® 679).....	144.94	41.56
23 34 16 00-0264 EA 100 CFM, Ceiling Mounted, Polymeric Intake Grille, Light Duty Exhaust Fan With Light (Broan® 680).....	243.35	41.56
23 34 16 00-0265 Light Duty Exhaust Fans With Heaters (23 34 16 00-0253)		
23 34 16 00-0266 EA 70 CFM, Ceiling Mounted, Polymeric Intake Grille, Light Duty Exhaust Fan With Heater Bulb (Broan® 162).....	136.18	41.56
23 34 16 00-0267 EA 70 CFM, Ceiling Mounted, Polymeric Intake Grille, Light Duty Exhaust Fan With Heater (Broan® 658).....	197.54	41.56
23 34 16 00-0268 Light Duty Exhaust Fans With Heaters And Lights (23 34 16 00-0253)		
23 34 16 00-0269 EA 70 CFM, Ceiling Mounted, Polymeric Intake Grille, Light Duty Exhaust Fan With Heater And Light (Broan® 655).....	208.17	41.56
23 34 16 00-0270 EA 100 CFM, Ceiling Mounted, Polymeric Intake Grille, Light Duty Exhaust Fan With Heater And Light (Broan® 100HL).....	299.50	41.56



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 34 16 00-0271				Heavy Duty/Continuous Operation Exhaust Fans (23 34 16 00-0252)		
23 34 16 00-0272				Heavy Duty/Continuous Operation Exhaust Fans (23 34 16 00-0271) Note: Includes enamel steel or aluminum grille.		
23 34 16 00-0273	EA			50 CFM, Ceiling/Wall Mounted, Metal Intake Grille, Heavy Duty/Continuous Operation Exhaust Fan (Broan® HD50)	153.07	41.56
23 34 16 00-0274	EA			80 CFM, Ceiling/Wall Mounted, Metal Intake Grille, Heavy Duty/Continuous Operation Exhaust Fan (Broan® HD80)	165.90	41.56
23 34 16 00-0275	EA			109 CFM, Ceiling/Wall Mounted, Metal Intake Grille, Heavy Duty/Continuous Operation Exhaust Fan (Broan® LoSone® Ventilator L100MG)	276.89	41.56
23 34 16 00-0276	EA			157 CFM, Ceiling/Wall Mounted, Metal Intake Grille, Heavy Duty/Continuous Operation Exhaust Fan (Broan® LoSone® Ventilator L150MG)	282.84	41.56
23 34 16 00-0277	EA			210 CFM, Ceiling/Wall Mounted, Metal Intake Grille, Heavy Duty/Continuous Operation Exhaust Fan (Broan® LoSone® Ventilator L200MG)	301.34	41.56
23 34 16 00-0278	EA			259 CFM, Ceiling/Wall Mounted, Metal Intake Grille, Heavy Duty/Continuous Operation Exhaust Fan (Broan® LoSone® Ventilator L250MG)	313.16	41.56
23 34 16 00-0279	EA			308 CFM, Ceiling/Wall Mounted, Metal Intake Grille, Heavy Duty/Continuous Operation Exhaust Fan (Broan® LoSone® Ventilator L300MG)	317.74	41.56
23 34 16 00-0280	EA			434 CFM, Ceiling/Wall Mounted, Metal Intake Grille, Heavy Duty/Continuous Operation Exhaust Fan (Broan® LoSone® Ventilator L400)	359.03	41.56
23 34 16 00-0281	EA			514 CFM, Ceiling/Wall Mounted, Metal Intake Grille, Heavy Duty/Continuous Operation Exhaust Fan (Broan® LoSone® Ventilator L500)	404.57	41.56
23 34 16 00-0282	EA			701 CFM, Ceiling/Wall Mounted, Metal Intake Grille, Heavy Duty/Continuous Operation Exhaust Fan (Broan® LoSone® Ventilator L700)	430.52	41.56
23 34 16 00-0283	EA			901 CFM, Ceiling/Wall Mounted, Metal Intake Grille, Heavy Duty/Continuous Operation Exhaust Fan (Broan® LoSone® Ventilator L900)	506.30	41.56
23 34 16 00-0284	EA			1,513 CFM, Ceiling/Wall Mounted, Metal Intake Grille, Heavy Duty/Continuous Operation Exhaust Fan (Broan® LoSone® Ventilator L1500)	641.30	41.56
23 34 16 00-0285				Heavy Duty/Continuous Operation Kitchen Exhaust Fans (23 34 16 00-0271) Note: Includes enamel steel or aluminum grille.		
23 34 16 00-0286	EA			308 CFM, Ceiling/Wall Mounted, Metal Intake Grille, Kitchen Heavy Duty/Continuous Operation Exhaust Fan (Broan® LoSone® Ventilator L300KMG)	286.30	41.56
23 34 16 00-0287	EA			434 CFM, Ceiling/Wall Mounted, Metal Intake Grille, Kitchen Heavy Duty/Continuous Operation Exhaust Fan (Broan® LoSone® Ventilator L400K)	401.17	41.56
23 34 16 00-0288	EA			514 CFM, Ceiling/Wall Mounted, Metal Intake Grille, Kitchen Heavy Duty/Continuous Operation Exhaust Fan (Broan® LoSone® Ventilator L500K)	422.44	41.56
23 34 16 00-0289				Heavy Duty/Continuous Operation Exhaust Fans With Lights (23 34 16 00-0271)		
23 34 16 00-0290	EA			50 CFM, Ceiling/Wall Mounted, Polymeric Intake Grille, Heavy Duty/Continuous Operation Exhaust Fan With Light (Broan® HD50L)	163.57	41.56
23 34 16 00-0291	EA			80 CFM, Ceiling/Wall Mounted, Polymeric Intake Grille, Heavy Duty/Continuous Operation Exhaust Fan With Light (Broan® HD80L)	175.62	41.56
23 34 16 00-0292				Fire Rated, Heavy Duty/Continuous Operation Exhaust Fans (23 34 16 00-0271)		
23 34 16 00-0293	EA			50 CFM, Ceiling Mounted, Metal Intake Grille, Fire Rated, Heavy Duty/Continuous Operation Exhaust Fan (Broan® HD50RDF)	168.86	41.56
23 34 16 00-0294	EA			80 CFM, Ceiling Mounted, Metal Intake Grille, Fire Rated, Heavy Duty/Continuous Operation Exhaust Fan (Broan® HD80RDF)	176.84	41.56
23 34 16 00-0295	EA			110 CFM, Ceiling Mounted, Metal Intake Grille, Fire Rated, Heavy Duty/Continuous Operation Exhaust Fan (Broan® 110RDF)	180.68	41.56
23 34 16 00-0296				Low Sound, Direct Drive, Centrifugal Ceiling Exhaust Fans (23 34 16 00-0252)		
23 34 16 00-0297	EA			900 CFM Low Sound, Direct Drive Centrifugal Ceiling Exhaust Fan (Greenheck SP-A900)	679.52	41.56
23 34 16 00-0298	EA			1050 CFM Low Sound, Direct Drive Centrifugal Ceiling Exhaust Fan (Greenheck SP-A1050)	679.52	41.56
23 34 16 00-0299	EA			1410 CFM Low Sound, Direct Drive Centrifugal Ceiling Exhaust Fan (Greenheck SP-A1410)	679.52	41.56
23 34 16 00-0300	EA			1550 CFM Low Sound, Direct Drive Centrifugal Ceiling Exhaust Fan (Greenheck SP-A1550)	742.52	41.56
23 34 16 00-0301				Room-To-Room Exhaust Fans (23 34 16 00-0252)		
23 34 16 00-0302	EA			90 CFM, Polymeric Grilles, Wall Mounted, Room-To-Room Exhaust Fan (Broan® 512)	130.74	41.56
23 34 16 00-0303	EA			180 CFM, Polymeric Grilles, Wall Mounted, Room-To-Room Exhaust Fan (Broan® 511)	195.87	41.56
23 34 16 00-0304	EA			380 CFM, Polymeric Grilles, Wall Mounted, Room-To-Room Exhaust Fan (Broan® 510)	219.60	41.56
23 34 16 00-0305				Through-Wall Exhaust Fans (23 34 16 00-0252)		
23 34 16 00-0306	EA			250 CFM, Wall Mounted, Polymeric Intake Grille, Chain Operated, Through Wall Exhaust Fan (Broan® 507)	207.19	41.56
23 34 16 00-0307	EA			470 CFM, Wall Mounted, Polymeric Intake Grille, Chain Operated, Through Wall Exhaust Fan (Broan® 506)	239.90	41.56
23 34 16 00-0308	EA			180 CFM, Wall Mounted, Polymeric Intake Grille, Through-Wall Exhaust Fan (Broan® 509)	184.70	41.56
23 34 16 00-0309	EA			270 CFM, Wall Mounted, Polymeric Intake Grille, Through-Wall Exhaust Fan (Broan® 508)	236.52	41.56
23 34 16 00-0310	EA			360 CFM, Wall Mounted, Polymeric Intake Grille, Through-Wall Exhaust Fan With Motorized Door (Broan® 12C)	389.91	41.56
23 34 16 00-0311				Exhaust Fan Accessories (23 34 16 00-0252)		
23 34 16 00-0312				Exhaust Fan Controls (23 34 16 00-0311)		

23 Heating, Ventilating, And Air-Conditioning (HVAC)

23 30 HVAC Air Distribution

23 34 HVAC Fans



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 34 16 00-0313 EA Electronic Variable Speed Control Dial, Single Gang, Exhaust Fan Controls (Broan® 57)	116.24	25.97
23 34 16 00-0314 EA 60-Minute Time Control Dial, Single Gang, Exhaust Fan Controls (Broan® 59).....	87.31	25.97
23 34 16 00-0315 EA 60-Minute Time Control Dial With Rocker Switch, Double Gang, Exhaust Fan Controls (Broan® 61)	88.00	25.97
23 34 16 00-0316 Roof And Wall Caps For Exhaust Fans (23 34 16 00-0311)		
23 34 16 00-0317 Wall Caps For Exhaust Fans (23 34 16 00-0316)		
23 34 16 00-0318 EA Aluminum Wall Cap For Up To 12" Duct, Installed On Exterior Walls (Broan® 613)	204.49	57.56
23 34 16 00-0319 EA Aluminum Wall Cap For Up To 18" Duct, Installed On Exterior Walls (Broan® 643)	206.77	57.56
23 34 16 00-0320 Roof Caps For Exhaust Fans (23 34 16 00-0316)		
Note: Includes flashing and built in bird screen.		
23 34 16 00-0321 EA Aluminum Roof Cap For Up To 8" Duct, Installed On Flat Roofs (Broan® 611)	180.99	57.56
23 34 16 00-0322 EA Aluminum Roof Cap For Up To 12" Duct, Installed On Flat Roofs (Broan® 612)	240.14	57.56
23 34 16 00-0323 EA CRCQ Steel Roof Cap For Up To 4" Duct, Installed On Sloped Roofs (Broan® 636)	135.52	57.56
23 34 16 00-0324 EA CRCQ Steel Roof Cap For Up To 8" Duct, Installed On Sloped Roofs (Broan® 634)	153.26	57.56
23 34 16 00-0325 Removal And Reinstallation Of Light Duty Ceiling Exhaust Fan (23 34 16 00-0252)		
Note: Includes storage and cleaning.		
23 34 16 00-0326 EA Removal And Reinstallation Of Light Duty Ceiling Exhaust Fan	79.49	
23 34 23 HVAC Power Ventilators (23 34)		
23 34 23 00-0001 Power Roof Ventilators (23 34 23)		
23 34 23 00-0002 Direct Drive, Aluminum, Centrifugal Roof Exhausters (23 34 23 00-0001)		
Note: Greenheck G.		
23 34 23 00-0003 EA 1/25 HP, 310 CFM At 1/4" Static Pressure, 17" x 17" Base, Direct Drive, Aluminum, Centrifugal Roof Exhauster.....	547.82	151.56
Note: Three speed motor.		
For 12" Roof Curb, Add	161.14	
For Backdraft Damper, Add	78.09	
For Solid State Speed Control, Add	78.80	
For Damper Motor, Add	129.64	
23 34 23 00-0004 EA 1/8 HP, 863 CFM At 1/4" Static Pressure, 17" x 17" Base, Direct Drive, Aluminum, Centrifugal Roof Exhauster.....	621.88	171.69
Note: Three speed motor.		
For 12" Roof Curb, Add	161.14	
For Backdraft Damper, Add	78.09	
For Solid State Speed Control, Add	78.80	
For Damper Motor, Add	129.64	
23 34 23 00-0005 EA 1/6 HP, 1,213 CFM At 1/4" Static Pressure, 19" x 19" Base, Direct Drive, Aluminum, Centrifugal Roof Exhauster.....	862.73	200.30
For 12" Roof Curb, Add	164.45	
For Backdraft Damper, Add	85.39	
For Solid State Speed Control, Add	78.80	
For Damper Motor, Add	129.64	
23 34 23 00-0006 EA 1/4 HP, 1,374 CFM At 1/4" Static Pressure, 19" x 19" Base, Direct Drive, Aluminum, Centrifugal Roof Exhauster.....	920.99	225.74
For 12" Roof Curb, Add	164.45	
For Backdraft Damper, Add	85.39	
For Solid State Speed Control, Add	78.80	
For Damper Motor, Add	129.64	
23 34 23 00-0007 EA 1/3 HP, 1,905 CFM At 1/4" Static Pressure, 22" x 22" Base, Direct Drive, Aluminum, Centrifugal Roof Exhauster.....	1,137.54	249.06
For Solid State Speed Control, Add	78.80	
For Damper Motor, Add	129.64	
23 34 23 00-0008 EA 1/2 HP, 3,072 CFM At 1/4" Static Pressure, 22" x 22" Base, Direct Drive, Aluminum, Centrifugal Roof Exhauster.....	1,260.11	264.95
For 12" Roof Curb, Add	169.97	
For Backdraft Damper, Add	96.69	
For Solid State Speed Control, Add	112.99	
For Damper Motor, Add	129.64	
23 34 23 00-0009 Belt Drive, Aluminum, Centrifugal Roof Exhausters (23 34 23 00-0001)		
Note: Greenheck GB.		
23 34 23 00-0010 EA 1/4 HP, 1,556 CFM At 1/4" Static Pressure, 19" x 19" Base, Belt Drive, Aluminum, Centrifugal Roof Exhauster.....	1,154.97	225.74
For 12" Roof Curb, Add	164.45	
For Backdraft Damper, Add	85.39	
For Damper Motor, Add	129.64	
23 34 23 00-0011 EA 1/3 HP, 1,966 CFM At 1/4" Static Pressure, 22" x 22" Base, Belt Drive, Aluminum, Centrifugal Roof Exhauster.....	1,255.78	287.21
For 12" Roof Curb, Add	169.97	
For Backdraft Damper, Add	96.69	
For Damper Motor, Add	129.64	
23 34 23 00-0012 EA 1/2 HP, 2,943 CFM At 1/4" Static Pressure, 22" x 22" Base, Belt Drive, Aluminum, Centrifugal Roof Exhauster.....	1,678.02	342.32
For 12" Roof Curb, Add	169.97	
For Backdraft Damper, Add	96.69	
For Damper Motor, Add	129.64	
23 34 23 00-0013 EA 3/4 HP, 4,289 CFM At 1/4" Static Pressure, 30" x 30" Base, Belt Drive, Aluminum, Centrifugal Roof Exhauster.....	2,134.49	423.92
For 12" Roof Curb, Add	196.44	
For Backdraft Damper, Add	116.99	
For Damper Motor, Add	129.64	
23 34 23 00-0014 EA 1 HP, 6,157 CFM At 1/4" Static Pressure, 34" x 34" Base, Belt Drive, Aluminum, Centrifugal Roof Exhauster.....	2,801.38	529.90
For 12" Roof Curb, Add	208.58	
For Backdraft Damper, Add	127.29	
For Damper Motor, Add	129.64	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 34 23 00-0015 EA 1-1/2 HP, 8,906 CFM At 1/4" Static Pressure, 40" x 40" Base, Belt Drive, Aluminum, Centrifugal Roof Exhauster.....	3,664.65	662.38
<i>For 12" Roof Curb, Add</i>	227.33	
<i>For Backdraft Damper, Add</i>	140.58	
<i>For Damper Motor, Add</i>	129.64	
23 34 23 00-0016 EA 2 HP, 10,059 CFM At 1/4" Static Pressure, 40" x 40" Base, Belt Drive, Aluminum, Centrifugal Roof Exhauster.....	3,691.12	662.38
<i>For 12" Roof Curb, Add</i>	227.33	
<i>For Backdraft Damper, Add</i>	140.58	
<i>For Damper Motor, Add</i>	129.64	
23 34 23 00-0017 EA 3 HP, 11,703 CFM At 1/4" Static Pressure, 40" x 40" Base, Belt Drive, Aluminum, Centrifugal Roof Exhauster.....	3,976.85	662.38
<i>For 12" Roof Curb, Add</i>	227.33	
<i>For Backdraft Damper, Add</i>	140.58	
<i>For Damper Motor, Add</i>	129.64	
23 34 23 00-0018 EA 5 HP, 13,897 CFM At 1/4" Static Pressure, 40" x 40" Base, Belt Drive, Aluminum, Centrifugal Roof Exhauster.....	3,994.12	662.38
<i>For 12" Roof Curb, Add</i>	227.33	
<i>For Backdraft Damper, Add</i>	140.58	
<i>For Damper Motor, Add</i>	129.64	
23 34 23 00-0019 Propeller Exhaust Fans, Roof Mounted Upblast (23 34 23 00-0001)		
Note: Includes back draft damper and birdscreen and curb.		
23 34 23 00-0020 EA 30,300 CFM Belt Drive 5 HP Propeller Exhaust Fan, Roof Mounted, 3/8" Static Pressure	5,657.50	814.99
23 34 23 00-0021 EA 36,000 CFM Belt Drive 15 HP Propeller Exhaust Fan, Roof Mounted, 1/2" Static Pressure	9,105.36	1,059.48
23 34 23 00-0022 Belt Drive Supply Fans (23 34 23 00-0001)		
23 34 23 00-0023 EA 4,500 CFM, 24" x 24" Supply Fan, Roof Mounted	2,296.17	423.18
23 34 23 00-0024 EA 10,000 CFM, 36" x 36" Supply Fan, Roof Mounted	3,078.02	529.79
23 34 23 00-0025 Fan Thermostat (23 34 23 00-0001)		
23 34 23 00-0026 EA 50 To 120 Degree Line Voltage Fan Thermostat.....	94.60	
23 34 23 00-0027 Power Wall Ventilators (23 34 23)		
23 34 23 00-0028 Centrifugal Sidewall Exhausters (23 34 23 00-0027)		
23 34 23 00-0029 Direct Drive, Aluminum, Centrifugal Sidewall Exhauster (23 34 23 00-0028)		
Note: Greenheck CW.		
23 34 23 00-0030 EA 1/25 HP, 297 CFM At 1/4" Static Pressure, Direct Drive, Aluminum, Centrifugal Sidewall Exhauster	665.92	170.63
<i>For Solid State Speed Control, Add</i>	112.99	
<i>For Backdraft Damper, Add</i>	93.50	
<i>For Damper Motor, Add</i>	199.99	
<i>For Interior Wall Grill, Add</i>	76.79	
23 34 23 00-0031 EA 1/8 HP, 861 CFM At 1/4" Static Pressure, Direct Drive, Aluminum, Centrifugal Sidewall Exhauster	766.19	200.30
<i>For Solid State Speed Control, Add</i>	112.99	
<i>For Backdraft Damper, Add</i>	104.80	
<i>For Damper Motor, Add</i>	199.99	
<i>For Interior Wall Grill, Add</i>	91.09	
23 34 23 00-0032 EA 1/6 HP, 1,179 CFM At 1/4" Static Pressure, Direct Drive, Aluminum, Centrifugal Sidewall Exhauster	1,106.45	225.74
<i>For Solid State Speed Control, Add</i>	112.99	
<i>For Backdraft Damper, Add</i>	119.09	
<i>For Damper Motor, Add</i>	199.99	
<i>For Interior Wall Grill, Add</i>	105.39	
23 34 23 00-0033 Belt Drive, Aluminum, Centrifugal Sidewall Exhausters (23 34 23 00-0028)		
Note: Greenheck CWB.		
23 34 23 00-0034 EA 1/4 HP, 1,633 CFM At 1/4" Static Pressure, Belt Drive, Aluminum, Centrifugal Sidewall Exhauster	1,463.55	127.78
<i>For Solid State Speed Control, Add</i>	112.99	
<i>For Backdraft Damper, Add</i>	114.98	
<i>For Damper Motor, Add</i>	199.99	
<i>For Interior Wall Grill, Add</i>	158.30	
23 34 23 00-0035 EA 1/2 HP, 2,291 CFM At 1/4" Static Pressure, Belt Drive, Aluminum, Centrifugal Sidewall Exhauster	1,553.14	143.89
<i>For Solid State Speed Control, Add</i>	112.99	
<i>For Backdraft Damper, Add</i>	114.98	
<i>For Damper Motor, Add</i>	199.99	
<i>For Interior Wall Grill, Add</i>	158.30	
23 34 23 00-0036 EA 3/4 HP, 3,646 CFM At 1/4" Static Pressure, Belt Drive, Aluminum, Centrifugal Sidewall Exhauster	1,897.97	164.61
<i>For Solid State Speed Control, Add</i>	112.99	
<i>For Backdraft Damper, Add</i>	141.01	
<i>For Damper Motor, Add</i>	199.99	
<i>For Interior Wall Grill, Add</i>	183.63	
23 34 33 Air Curtains (23 34)		
23 34 33 00-0001 Unheated Air Curtains For Entrances (23 34 33)		
23 34 33 00-0002 Unheated Air Curtains, Standard Velocity (23 34 33 00-0001)		

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 34 HVAC Fans**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 34 33 00-0003 EA Air Curtain For 3' x 8' - 10' Personnel Entrance, Unheated.....	2,034.35	776.84
Note: Includes housing, mounting brackets and manual controls.		
For Door Limit Switch, Combination Roller And Plunger, Add	99.90	
For Commercial Magnetic Reed Switch with Controller and Adjustable Time Delay - 115, 208-230 Volt 1Ø, Add	271.95	
For Commercial Magnetic Reed Switch with Controller - 115, 208-230 Volt 1Ø	202.02	
For Door Limit switch with Controller and Adjustable Time Delay - 115, 208-230 Volt, 1Ø, Add	310.80	
For Flat Side Extension Plates, Add	122.38	
For Clearance Adjustable-Angle Mounting Bracket, Add	244.76	
For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	293.71	
For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	310.02	
23 34 33 00-0004 EA Air Curtain For 3.5' x 8' - 10' Personnel Entrance, Unheated.....	2,059.55	776.84
Note: Includes housing, mounting brackets and manual controls.		
For Door Limit Switch, Combination Roller And Plunger, Add	99.90	
For Commercial Magnetic Reed Switch with Controller and Adjustable Time Delay - 115, 208-230 Volt 1Ø, Add	271.95	
For Commercial Magnetic Reed Switch with Controller - 115, 208-230 Volt 1Ø	202.02	
For Door Limit switch with Controller and Adjustable Time Delay - 115, 208-230 Volt, 1Ø, Add	310.80	
For Flat Side Extension Plates, Add	122.38	
For Clearance Adjustable-Angle Mounting Bracket, Add	244.76	
For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	293.71	
For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	310.02	
23 34 33 00-0005 EA Air Curtain For 4' x 8' - 10' Personnel Entrance, Unheated.....	2,086.85	776.84
Note: Includes housing, mounting brackets and manual controls.		
For Door Limit Switch, Combination Roller And Plunger, Add	99.90	
For Commercial Magnetic Reed Switch with Controller and Adjustable Time Delay - 115, 208-230 Volt 1Ø, Add	271.95	
For Commercial Magnetic Reed Switch with Controller - 115, 208-230 Volt 1Ø	202.02	
For Door Limit switch with Controller and Adjustable Time Delay - 115, 208-230 Volt, 1Ø, Add	310.80	
For Flat Side Extension Plates, Add	122.38	
For Clearance Adjustable-Angle Mounting Bracket, Add	244.76	
For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	293.71	
For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	310.02	
23 34 33 00-0006 EA Air Curtain For 5' x 8' - 10' Personnel Entrance, Unheated.....	2,538.35	776.84
Note: Includes housing, mounting brackets and manual controls.		
For Door Limit Switch, Combination Roller And Plunger, Add	99.90	
For Commercial Magnetic Reed Switch with Controller and Adjustable Time Delay - 115, 208-230 Volt 1Ø, Add	271.95	
For Commercial Magnetic Reed Switch with Controller - 115, 208-230 Volt 1Ø	202.02	
For Door Limit switch with Controller and Adjustable Time Delay - 115, 208-230 Volt, 1Ø, Add	310.80	
For Flat Side Extension Plates, Add	122.38	
For Clearance Adjustable-Angle Mounting Bracket, Add	244.76	
For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	293.71	
For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	310.02	
23 34 33 00-0007 EA Air Curtain For 6' x 8' - 10' Personnel Entrance, Unheated.....	2,895.67	932.63
Note: Includes housing, mounting brackets and manual controls.		
For Door Limit Switch, Combination Roller And Plunger, Add	99.90	
For Commercial Magnetic Reed Switch with Controller and Adjustable Time Delay - 115, 208-230 Volt 1Ø, Add	271.95	
For Commercial Magnetic Reed Switch with Controller - 115, 208-230 Volt 1Ø	202.02	
For Door Limit switch with Controller and Adjustable Time Delay - 115, 208-230 Volt, 1Ø, Add	310.80	
For Flat Side Extension Plates, Add	122.38	
For Clearance Adjustable-Angle Mounting Bracket, Add	244.76	
For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	293.71	
For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	310.02	
23 34 33 00-0008 EA Air Curtain For 7' x 8' - 10' Personnel Entrance, Unheated.....	3,053.17	932.63
Note: Includes housing, mounting brackets and manual controls.		
For Door Limit Switch, Combination Roller And Plunger, Add	99.90	
For Commercial Magnetic Reed Switch with Controller and Adjustable Time Delay - 115, 208-230 Volt 1Ø, Add	271.95	
For Commercial Magnetic Reed Switch with Controller - 115, 208-230 Volt 1Ø	202.02	
For Door Limit switch with Controller and Adjustable Time Delay - 115, 208-230 Volt, 1Ø, Add	310.80	
For Flat Side Extension Plates, Add	122.38	
For Clearance Adjustable-Angle Mounting Bracket, Add	244.76	
For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	293.71	
For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	310.02	
23 34 33 00-0009 EA Air Curtain For 8' x 8' - 10' Personnel Entrance, Unheated.....	3,396.56	1,075.70
Note: Includes housing, mounting brackets and manual controls.		
For Door Limit Switch, Combination Roller And Plunger, Add	99.90	
For Commercial Magnetic Reed Switch with Controller and Adjustable Time Delay - 115, 208-230 Volt 1Ø, Add	271.95	
For Commercial Magnetic Reed Switch with Controller - 115, 208-230 Volt 1Ø	202.02	
For Door Limit switch with Controller and Adjustable Time Delay - 115, 208-230 Volt, 1Ø, Add	310.80	
For Flat Side Extension Plates, Add	122.38	
For Clearance Adjustable-Angle Mounting Bracket, Add	244.76	
For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	293.71	
For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	310.02	
23 34 33 00-0010 EA Air Curtain For 9' x 8' - 10' Personnel Entrance, Unheated.....	4,025.51	1,075.70
Note: Includes housing, mounting brackets and manual controls.		
For Door Limit Switch, Combination Roller And Plunger, Add	99.90	
For Commercial Magnetic Reed Switch with Controller and Adjustable Time Delay - 115, 208-230 Volt 1Ø, Add	271.95	
For Commercial Magnetic Reed Switch with Controller - 115, 208-230 Volt 1Ø	202.02	
For Door Limit switch with Controller and Adjustable Time Delay - 115, 208-230 Volt, 1Ø, Add	310.80	
For Flat Side Extension Plates, Add	122.38	
For Clearance Adjustable-Angle Mounting Bracket, Add	244.76	
For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	293.71	
For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	310.02	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 34 33 00-0011 EA Air Curtain For 10' x 8' - 10' Personnel Entrance, Unheated.....	4,105.31	1,075.70
Note: Includes housing, mounting brackets and manual controls.		
<i>For Door Limit Switch, Combination Roller And Plunger, Add</i>	99.90	
<i>For Commercial Magnetic Reed Switch with Controller and Adjustable Time Delay - 115, 208-230 Volt 1Ø, Add</i>	271.95	
<i>For Commercial Magnetic Reed Switch with Controller - 115, 208-230 Volt 1Ø</i>	202.02	
<i>For Door Limit switch with Controller and Adjustable Time Delay - 115, 208-230 Volt, 1Ø, Add</i>	310.80	
<i>For Flat Side Extension Plates, Add</i>	122.38	
<i>For Clearance Adjustable-Angle Mounting Bracket, Add</i>	244.76	
<i>For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add</i>	293.71	
<i>For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add</i>	310.02	
23 34 33 00-0012 EA Air Curtain For 12' x 8' - 10' Personnel Entrance, Unheated.....	4,317.41	1,075.70
Note: Includes housing, mounting brackets and manual controls.		
<i>For Door Limit Switch, Combination Roller And Plunger, Add</i>	99.90	
<i>For Commercial Magnetic Reed Switch with Controller and Adjustable Time Delay - 115, 208-230 Volt 1Ø, Add</i>	271.95	
<i>For Commercial Magnetic Reed Switch with Controller - 115, 208-230 Volt 1Ø</i>	202.02	
<i>For Door Limit switch with Controller and Adjustable Time Delay - 115, 208-230 Volt, 1Ø, Add</i>	310.80	
<i>For Flat Side Extension Plates, Add</i>	122.38	
<i>For Clearance Adjustable-Angle Mounting Bracket, Add</i>	244.76	
<i>For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add</i>	293.71	
<i>For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add</i>	310.02	
23 34 33 00-0013 Unheated Air Curtains, High Velocity (23 34 33 00-0001)		
23 34 33 00-0014 EA High Velocity Air Curtain For 3' x 10' - 12' Entrance, Unheated.....	2,452.25	776.84
Note: Includes housing, mounting brackets and manual controls.		
<i>For Door Limit Switch, Combination Roller And Plunger, Add</i>	99.90	
<i>For Industrial Floor-Mounted Magnetic Reed Switch Only, Add</i>	244.76	
<i>For Flat Side Extension Plates, Add</i>	122.38	
<i>For Clearance Adjustable-Angle Mounting Bracket, Add</i>	244.76	
<i>For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add</i>	293.71	
<i>For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add</i>	310.02	
23 34 33 00-0015 EA High Velocity Air Curtain For 3.5' x 10' - 12' Entrance, Unheated.....	2,484.80	776.84
Note: Includes housing, mounting brackets and manual controls.		
<i>For Door Limit Switch, Combination Roller And Plunger, Add</i>	99.90	
<i>For Industrial Floor-Mounted Magnetic Reed Switch Only, Add</i>	244.76	
<i>For Flat Side Extension Plates, Add</i>	122.38	
<i>For Clearance Adjustable-Angle Mounting Bracket, Add</i>	244.76	
<i>For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add</i>	293.71	
<i>For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add</i>	310.02	
23 34 33 00-0016 EA High Velocity Air Curtain For 4' x 10' - 12' Entrance, Unheated.....	2,498.45	776.84
Note: Includes housing, mounting brackets and manual controls.		
<i>For Door Limit Switch, Combination Roller And Plunger, Add</i>	99.90	
<i>For Industrial Floor-Mounted Magnetic Reed Switch Only, Add</i>	244.76	
<i>For Flat Side Extension Plates, Add</i>	122.38	
<i>For Clearance Adjustable-Angle Mounting Bracket, Add</i>	244.76	
<i>For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add</i>	293.71	
<i>For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add</i>	310.02	
23 34 33 00-0017 EA High Velocity Air Curtain For 5' x 10' - 12' Entrance, Unheated.....	2,524.70	776.84
Note: Includes housing, mounting brackets and manual controls.		
<i>For Door Limit Switch, Combination Roller And Plunger, Add</i>	99.90	
<i>For Industrial Floor-Mounted Magnetic Reed Switch Only, Add</i>	244.76	
<i>For Flat Side Extension Plates, Add</i>	122.38	
<i>For Clearance Adjustable-Angle Mounting Bracket, Add</i>	244.76	
<i>For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add</i>	293.71	
<i>For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add</i>	310.02	
23 34 33 00-0018 EA High Velocity Air Curtain For 6' x 10' - 12' Entrance, Unheated.....	3,853.27	932.63
Note: Includes housing, mounting brackets and manual controls.		
<i>For Door Limit Switch, Combination Roller And Plunger, Add</i>	99.90	
<i>For Industrial Floor-Mounted Magnetic Reed Switch Only, Add</i>	244.76	
<i>For Flat Side Extension Plates, Add</i>	122.38	
<i>For Clearance Adjustable-Angle Mounting Bracket, Add</i>	244.76	
<i>For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add</i>	293.71	
<i>For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add</i>	310.02	
23 34 33 00-0019 EA High Velocity Air Curtain For 7' x 10' - 12' Entrance, Unheated.....	4,014.97	932.63
Note: Includes housing, mounting brackets and manual controls.		
<i>For Door Limit Switch, Combination Roller And Plunger, Add</i>	99.90	
<i>For Industrial Floor-Mounted Magnetic Reed Switch Only, Add</i>	244.76	
<i>For Flat Side Extension Plates, Add</i>	122.38	
<i>For Clearance Adjustable-Angle Mounting Bracket, Add</i>	244.76	
<i>For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add</i>	293.71	
<i>For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add</i>	310.02	
23 34 33 00-0020 EA High Velocity Air Curtain For 8' x 10' - 12' Entrance, Unheated.....	4,298.51	1,075.70
Note: Includes housing, mounting brackets and manual controls.		
<i>For Door Limit Switch, Combination Roller And Plunger, Add</i>	99.90	
<i>For Industrial Floor-Mounted Magnetic Reed Switch Only, Add</i>	244.76	
<i>For Flat Side Extension Plates, Add</i>	122.38	
<i>For Clearance Adjustable-Angle Mounting Bracket, Add</i>	244.76	
<i>For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add</i>	293.71	
<i>For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add</i>	310.02	
23 34 33 00-0021 EA High Velocity Air Curtain For 9' x 10' - 12' Entrance, Unheated.....	4,858.16	1,075.70
Note: Includes housing, mounting brackets and manual controls.		
<i>For Door Limit Switch, Combination Roller And Plunger, Add</i>	99.90	
<i>For Industrial Floor-Mounted Magnetic Reed Switch Only, Add</i>	244.76	
<i>For Flat Side Extension Plates, Add</i>	122.38	
<i>For Clearance Adjustable-Angle Mounting Bracket, Add</i>	244.76	
<i>For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add</i>	293.71	
<i>For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add</i>	310.02	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 34 HVAC Fans**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 34 33 00-0022 EA High Velocity Air Curtain For 10' x 10' - 12' Entrance, Unheated.....	4,916.96	1,075.70
Note: Includes housing, mounting brackets and manual controls.		
For Door Limit Switch, Combination Roller And Plunger, Add	99.90	
For Industrial Floor-Mounted Magnetic Reed Switch Only, Add	244.76	
For Flat Side Extension Plates, Add	122.38	
For Clearance Adjustable-Angle Mounting Bracket, Add	244.76	
For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	293.71	
For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	310.02	
23 34 33 00-0023 EA High Velocity Air Curtain For 12' x 10' - 12' Entrance, Unheated.....	5,145.86	1,075.70
Note: Includes housing, mounting brackets and manual controls.		
For Door Limit Switch, Combination Roller And Plunger, Add	99.90	
For Industrial Floor-Mounted Magnetic Reed Switch Only, Add	244.76	
For Flat Side Extension Plates, Add	122.38	
For Clearance Adjustable-Angle Mounting Bracket, Add	244.76	
For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	293.71	
For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	310.02	
23 34 33 00-0024 Service Window Unheated Air Curtains (23 34 33 00-0001)		
Note: Normal window sizes.		
23 34 33 00-0025 EA Air Curtain For 2.5' x 5' Service Window, Unheated	1,639.24	612.57
Note: Includes housing, mounting brackets and manual controls.		
For Door Limit Switch, Combination Roller And Plunger, Add	99.90	
For Flat Side Extension Plates, Add	122.38	
For Clearance Adjustable-Angle Mounting Bracket, Add	244.76	
For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	293.71	
For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	310.02	
23 34 33 00-0026 Heated Air Curtains For Entrances (23 34 33)		
Note: Includes housing, mounting brackets and manual controls.		
23 34 33 00-0027 EA 60" Heated Air Curtain With 1- 300 MBH Heater	3,548.80	684.10
For Door Limit Switch, Combination Roller And Plunger, Add	99.90	
For Flat Side Extension Plates, Add	122.38	
For Clearance Adjustable-Angle Mounting Bracket, Add	244.76	
For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	293.71	
For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	310.02	
23 34 33 00-0028 EA 60" Heated Air Curtain With 1- 400 MBH Heater	3,839.50	684.10
For Door Limit Switch, Combination Roller And Plunger, Add	99.90	
For Flat Side Extension Plates, Add	122.38	
For Clearance Adjustable-Angle Mounting Bracket, Add	244.76	
For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	293.71	
For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	310.02	
23 34 33 00-0029 EA 72" Heated Air Curtain With 1- 350 MBH Heater	4,257.88	820.82
For Door Limit Switch, Combination Roller And Plunger, Add	99.90	
For Flat Side Extension Plates, Add	122.38	
For Clearance Adjustable-Angle Mounting Bracket, Add	244.76	
For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	293.71	
For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	310.02	
23 34 33 00-0030 EA 72" Heated Air Curtain With 2- 250 MBH Heaters	4,606.72	820.82
For Door Limit Switch, Combination Roller And Plunger, Add	99.90	
For Flat Side Extension Plates, Add	122.38	
For Clearance Adjustable-Angle Mounting Bracket, Add	244.76	
For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	293.71	
For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	310.02	
23 34 33 00-0031 EA 96" Heated Air Curtain With 1- 400 MBH Heater	5,676.27	1,094.25
For Door Limit Switch, Combination Roller And Plunger, Add	99.90	
For Flat Side Extension Plates, Add	122.38	
For Clearance Adjustable-Angle Mounting Bracket, Add	244.76	
For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	293.71	
For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	310.02	
23 34 33 00-0032 EA 96" Heated Air Curtain With 2- 350 MBH Heaters	6,141.39	1,094.25
For Door Limit Switch, Combination Roller And Plunger, Add	99.90	
For Flat Side Extension Plates, Add	122.38	
For Clearance Adjustable-Angle Mounting Bracket, Add	244.76	
For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	293.71	
For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	310.02	
23 34 33 00-0033 EA 117" Heated Air Curtain With 2- 300 MBH Heaters	6,916.99	1,333.23
For Door Limit Switch, Combination Roller And Plunger, Add	99.90	
For Flat Side Extension Plates, Add	122.38	
For Clearance Adjustable-Angle Mounting Bracket, Add	244.76	
For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	293.71	
For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	310.02	
23 34 33 00-0034 EA 117" Heated Air Curtain With 2- 400 MBH Heaters	7,483.85	1,333.23
For Door Limit Switch, Combination Roller And Plunger, Add	99.90	
For Flat Side Extension Plates, Add	122.38	
For Clearance Adjustable-Angle Mounting Bracket, Add	244.76	
For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	293.71	
For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	310.02	
23 34 33 00-0035 EA 147" Heated Air Curtain With 2- 350 MBH Heaters	8,691.18	1,675.02
For Door Limit Switch, Combination Roller And Plunger, Add	99.90	
For Flat Side Extension Plates, Add	122.38	
For Clearance Adjustable-Angle Mounting Bracket, Add	244.76	
For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	293.71	
For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	310.02	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 34 33 00-0036 EA 147" Heated Air Curtain With 3- 350 MBH Heaters <i>For Door Limit Switch, Combination Roller And Plunger, Add</i> <i>For Flat Side Extension Plates, Add</i> <i>For Clearance Adjustable-Angle Mounting Bracket, Add</i> <i>For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add</i> <i>For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add</i>	10,101.08 99.90 122.38 244.76 293.71 310.02	1,675.02
23 34 33 00-0037 EA 168" Heated Air Curtain With 2- 400 MBH Heaters <i>For Door Limit Switch, Combination Roller And Plunger, Add</i> <i>For Flat Side Extension Plates, Add</i> <i>For Clearance Adjustable-Angle Mounting Bracket, Add</i> <i>For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add</i> <i>For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add</i>	9,933.46 99.90 122.38 244.76 293.71 310.02	1,914.53
23 34 33 00-0038 EA 168" Heated Air Curtain With 3- 400 MBH Heaters <i>For Door Limit Switch, Combination Roller And Plunger, Add</i> <i>For Flat Side Extension Plates, Add</i> <i>For Clearance Adjustable-Angle Mounting Bracket, Add</i> <i>For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add</i> <i>For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add</i>	11,544.42 99.90 122.38 244.76 293.71 310.02	1,914.53
23 34 33 00-0039 EA 192" Heated Air Curtain With 2- 400 MBH Heaters <i>For Door Limit Switch, Combination Roller And Plunger, Add</i> <i>For Flat Side Extension Plates, Add</i> <i>For Clearance Adjustable-Angle Mounting Bracket, Add</i> <i>For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add</i> <i>For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add</i>	11,348.92 99.90 122.38 244.76 293.71 310.02	2,187.96
23 34 33 00-0040 EA 192" Heated Air Curtain With 4- 350 MBH Heaters <i>For Door Limit Switch, Combination Roller And Plunger, Add</i> <i>For Flat Side Extension Plates, Add</i> <i>For Clearance Adjustable-Angle Mounting Bracket, Add</i> <i>For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add</i> <i>For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add</i>	13,190.02 99.90 122.38 244.76 293.71 310.02	2,187.96

23 35 Special Exhaust Systems (23 30)
See CSI section 23 31 13 16-0063 for spiral duct/piping.

23 35 13 Dust Collection Systems (23 35)

23 35 13 00-0001 Dust Collector System (23 35 13)

23 35 13 00-0002 EA 1.5 HP Dust Collector Central Vacuum Unit <i>Note: Includes fan bower, stand, cyclone, filter, silencer and 35 gallon fiber drum dust bin.</i>	3,121.26	920.89
23 35 13 00-0003 EA 2 HP Dust Collector Central Vacuum Unit <i>Note: Includes fan bower, stand, cyclone, filter, silencer and 35 gallon fiber drum dust bin.</i>	3,554.97	1,093.56
23 35 13 00-0004 EA 2-1/2 HP Dust Collector Central Vacuum Unit <i>Note: Includes fan bower, stand, cyclone, filter, silencer and 35 gallon fiber drum dust bin.</i>	4,227.75	1,266.23
23 35 13 00-0005 EA 3 HP Dust Collector Central Vacuum Unit <i>Note: Includes fan bower, stand, cyclone, filter, silencer and 35 gallon fiber drum dust bin.</i>	4,869.74	1,496.45
23 35 13 00-0006 EA 5 HP Dust Collector Central Vacuum Unit <i>Note: Includes fan bower, stand, cyclone, filter, silencer and 55 gallon fiber drum dust bin.</i>	8,770.77	1,619.60
23 35 13 00-0007 EA 7-1/2 HP Dust Collector Central Vacuum Unit <i>Note: Includes fan bower, stand, cyclone, filter, silencer and 55 gallon fiber drum dust bin.</i>	10,576.21	1,889.53
23 35 13 00-0008 EA 10 HP Dust Collector Central Vacuum Unit <i>Note: Includes fan bower, stand, cyclone, filter, silencer and 55 gallon fiber drum dust bin.</i>	12,110.42	2,159.46
23 35 13 00-0009 EA 15 HP Dust Collector Central Vacuum Unit <i>Note: Includes fan bower, stand, cyclone, filter, silencer and two 55 gallon fiber drum dust bin.</i>	13,664.97	2,483.38
23 35 13 00-0010 EA 20 HP Dust Collector Central Vacuum Unit <i>Note: Includes fan bower, stand, cyclone, filter, silencer and two 55 gallon fiber drum dust bin.</i>	15,279.26	2,807.30

23 35 13 00-0011 Vacuum Tubing And Accessories (23 35 13)

23 35 13 00-0012 Vacuum Tubing (23 35 13 00-0011)

23 35 13 00-0013 Galvanized Vacuum Tubing (23 35 13 00-0012)

23 35 13 00-0014 LF 2-1/8" Outside Diameter Vacuum Tubing, Galvanized.....	6.89	1.91
23 35 13 00-0015 LF 2-1/2" Outside Diameter Vacuum Tubing, Galvanized.....	7.61	2.01
23 35 13 00-0016 LF 3" Outside Diameter Vacuum Tubing, Galvanized.....	8.75	2.12
23 35 13 00-0017 LF 3-1/2" Outside Diameter Vacuum Tubing, Galvanized.....	10.84	2.22
23 35 13 00-0018 LF 4" Outside Diameter Vacuum Tubing, Galvanized.....	11.17	2.33
23 35 13 00-0019 LF 5" Outside Diameter Vacuum Tubing, Galvanized.....	17.25	2.65
23 35 13 00-0020 LF 6" Outside Diameter Vacuum Tubing, Galvanized.....	19.48	3.08
23 35 13 00-0021 LF 8" Outside Diameter Vacuum Tubing, Galvanized.....	26.50	4.24
23 35 13 00-0022 LF 10" Outside Diameter Vacuum Tubing, Galvanized.....	31.39	5.30
23 35 13 00-0023 LF 12" Outside Diameter Vacuum Tubing, Galvanized.....	71.80	7.00

23 35 13 00-0024 Flexible Hose (23 35 13 00-0011)

23 35 13 00-0025 LF 2" Flexible Hose.....	8.21	1.91
23 35 13 00-0026 LF 3" Flexible Hose.....	9.68	2.12
23 35 13 00-0027 LF 4" Flexible Hose.....	10.53	2.33

23 35 13 00-0028 90 Degree Elbow (23 35 13 00-0011)

23 35 13 00-0029 EA 2-1/8" 90 Degree Elbow, Vacuum Tubing, Galvanized.....	37.32	12.18
23 35 13 00-0030 EA 2-1/2" 90 Degree Elbow, Vacuum Tubing, Galvanized.....	44.09	13.04

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 35 Special Exhaust Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 35 13 00-0031	EA		3" 90 Degree Elbow, Vacuum Tubing, Galvanized	52.74	14.20
23 35 13 00-0032	EA		3-1/2" 90 Degree Elbow, Vacuum Tubing, Galvanized	60.87	15.37
23 35 13 00-0033	EA		4" 90 Degree Elbow, Vacuum Tubing, Galvanized	71.04	16.96
23 35 13 00-0034	EA		5" 90 Degree Elbow, Vacuum Tubing, Galvanized	107.77	18.87
23 35 13 00-0035	EA		6" 90 Degree Elbow, Vacuum Tubing, Galvanized	139.01	21.19
23 35 13 00-0036	EA		8" 90 Degree Elbow, Vacuum Tubing, Galvanized	239.17	28.30
23 35 13 00-0037			45 Degree Elbow (23 35 13 00-0011)		
23 35 13 00-0038	EA		2-1/8" 45 Degree Elbow, Vacuum Tubing, Galvanized	35.76	12.18
23 35 13 00-0039	EA		2-1/2" 45 Degree Elbow, Vacuum Tubing, Galvanized	42.81	13.04
23 35 13 00-0040	EA		3" 45 Degree Elbow, Vacuum Tubing, Galvanized	48.45	14.20
23 35 13 00-0041	EA		3-1/2" 45 Degree Elbow, Vacuum Tubing, Galvanized	56.03	15.37
23 35 13 00-0042	EA		4" 45 Degree Elbow, Vacuum Tubing, Galvanized	66.57	16.96
23 35 13 00-0043	EA		5" 45 Degree Elbow, Vacuum Tubing, Galvanized	92.25	18.87
23 35 13 00-0044	EA		6" 45 Degree Elbow, Vacuum Tubing, Galvanized	116.19	21.19
23 35 13 00-0045	EA		8" 45 Degree Elbow, Vacuum Tubing, Galvanized	200.83	28.30
23 35 13 00-0046			Wye (23 35 13 00-0011)		
23 35 13 00-0047	EA		2-1/8" Wye, Vacuum Tubing, Galvanized	65.76	20.14
23 35 13 00-0048	EA		2-1/2" Wye, Vacuum Tubing, Galvanized	76.31	21.72
23 35 13 00-0049	EA		3" Wye, Vacuum Tubing, Galvanized	89.94	23.31
23 35 13 00-0050	EA		3-1/2" Wye, Vacuum Tubing, Galvanized	106.17	25.97
23 35 13 00-0051	EA		4" Wye, Vacuum Tubing, Galvanized	135.10	28.09
23 35 13 00-0052	EA		5" Wye, Vacuum Tubing, Galvanized	210.92	31.26
23 35 13 00-0053	EA		6" Wye, Vacuum Tubing, Galvanized	272.79	35.51
23 35 13 00-0054	EA		8" Wye, Vacuum Tubing, Galvanized	505.64	38.68
23 35 13 00-0055	EA		10" Wye, Vacuum Tubing, Galvanized	688.42	42.39
23 35 13 00-0056	EA		12" Wye, Vacuum Tubing, Galvanized	863.47	47.48
23 35 13 00-0057			Reducer (23 35 13 00-0011)		
23 35 13 00-0058	EA		3" Reducer, Vacuum Tubing, Galvanized	40.24	14.20
23 35 13 00-0059	EA		4" Reducer, Vacuum Tubing, Galvanized	44.39	15.37
23 35 13 00-0060	EA		5" Reducer, Vacuum Tubing, Galvanized	53.41	16.96
23 35 13 00-0061	EA		6" Reducer, Vacuum Tubing, Galvanized	58.22	18.87
23 35 13 00-0062	EA		8" Reducer, Vacuum Tubing, Galvanized	67.20	21.19
23 35 13 00-0063			Air Gate Valve, Galvanized (23 35 13 00-0011)		
23 35 13 00-0064	EA		2-1/8" Air Gate Valve, Vacuum Tubing, Galvanized	204.63	28.30
23 35 13 00-0065	EA		2-1/2" Air Gate Valve, Vacuum Tubing, Galvanized	214.99	30.21
23 35 13 00-0066	EA		3" Air Gate Valve, Vacuum Tubing, Galvanized	245.02	32.54
23 35 13 00-0067	EA		3-1/2" Air Gate Valve, Vacuum Tubing, Galvanized	275.87	34.76
23 35 13 00-0068	EA		4" Air Gate Valve, Vacuum Tubing, Galvanized	309.22	36.88
23 35 13 00-0069	EA		5" Air Gate Valve, Vacuum Tubing, Galvanized	363.45	42.07
23 35 13 00-0070	EA		6" Air Gate Valve, Vacuum Tubing, Galvanized	416.78	47.16
23 35 16 Engine Exhaust Systems (23 35)					
23 35 16 16 Mechanical Engine Exhaust Systems (23 35 16)					
23 35 16 16-0001			Tailpipe Exhaust Equipment (23 35 16 16)		
23 35 16 16-0002			Overhead Tailpipe Exhaust System (23 35 16 16-0001)		
23 35 16 16-0003			Overhead Tailpipe Exhaust Blowers (23 35 16 16-0002)		
23 35 16 16-0004			Overhead Direct Drive Tailpipe Exhaust Blowers (23 35 16 16-0003)		
23 35 16 16-0005	EA		495 CFM 1/3 HP Tailpipe Exhaust Blower, Direct Drive, Overhead System	2,395.05	225.74
23 35 16 16-0006	EA		1,445 CFM 3/4 HP Tailpipe Exhaust Blower, Direct Drive, Overhead System	2,900.50	461.01
23 35 16 16-0007	EA		1,840 CFM 1-1/2 HP Tailpipe Exhaust Blower, Direct Drive, Overhead System	3,983.18	558.51
23 35 16 16-0008			Overhead Belt Drive Tailpipe Exhaust Blowers (23 35 16 16-0003)		
23 35 16 16-0009	EA		1,400 CFM 1 HP Tailpipe Exhaust Blower, Belt Drive, Overhead System	2,828.32	461.01
23 35 16 16-0010	EA		2,023 CFM 1-1/2 HP Tailpipe Exhaust Blower, Belt Drive, Overhead System	3,056.04	558.51
23 35 16 16-0011	EA		2,750 CFM 2 HP Tailpipe Exhaust Blower, Belt Drive, Overhead System	3,796.85	883.87
23 35 16 16-0012	EA		4,400 CFM 3 HP Tailpipe Exhaust Blower, Belt Drive, Overhead System	4,684.08	1,140.35
23 35 16 16-0013	EA		7,060 CFM 5 HP Tailpipe Exhaust Blower, Belt Drive, Overhead System	5,867.62	1,358.66
23 35 16 16-0014			Spiral Exhaust Duct Accessories (23 35 16 16-0002)		
23 35 16 16-0015			Flex Hose x Length (23 35 16 16-0014)		
			Note: Includes duct coupler, damper and tailpipe adapter.		
23 35 16 16-0016	EA		3" x 20' Neoprene Spiral Exhaust Flexible Hose With Duct Coupler, Damper, Tailpipe Adapter	175.23	56.16
23 35 16 16-0017	EA		3" x 20' Galvanized Spiral Exhaust Flexible Hose With Duct Coupler, Damper, Tailpipe Adapter	146.16	56.16
23 35 16 16-0018	EA		4" x 20' Neoprene Spiral Exhaust Flexible Hose With Duct Coupler, Damper, Tailpipe Adapter	267.55	89.03
23 35 16 16-0019	EA		4" x 20' Galvanized Spiral Exhaust Flexible Hose With Duct Coupler, Damper, Tailpipe Adapter	218.97	89.03



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 35 16 16-0020 EA 5" x 20' Neoprene Spiral Exhaust Flexible Hose With Duct Coupler, Damper, Tailpipe Adapter.....	372.67	140.95
23 35 16 16-0021 EA 5" x 20' Galvanized Spiral Exhaust Flexible Hose With Duct Coupler, Damper, Tailpipe Adapter.....	355.28	140.95
23 35 16 16-0022 EA 6" x 15' Neoprene Spiral Exhaust Flexible Hose With Duct Coupler, Damper, Tailpipe Adapter.....	565.81	223.61
23 35 16 16-0023 EA 6" x 17' Galvanized Spiral Exhaust Flexible Hose With Duct Coupler, Damper, Tailpipe Adapter.....	529.23	223.61
23 35 16 16-0024 Flex Hose With Duct Coupler, Damper And Diesel Exhaust Adapter <small>(23 35 16 16-0014)</small>		
23 35 16 16-0025 EA 4" x 15' Neoprene Spiral Exhaust Flexible Hose With Duct Coupler, Damper, Tailpipe Adapter.....	198.42	56.16
23 35 16 16-0026 EA 5" x 15' Neoprene Spiral Exhaust Flexible Hose With Duct Coupler, Damper, Tailpipe Adapter.....	284.48	89.03
23 35 16 16-0027 EA 4" x 17' Galvanized Spiral Exhaust Flexible Hose With Duct Coupler, Damper, Tailpipe Adapter.....	164.93	56.16
23 35 16 16-0028 EA 5" x 17' Galvanized Spiral Exhaust Flexible Hose With Duct Coupler, Damper, Tailpipe Adapter.....	234.79	89.03
23 35 16 16-0029 EA 6" x 25' High Pressure, Stainless Steel Exhaust Flexible Hose With Duct Coupler, Damper, Tailpipe Adapter.....	1,722.84	75.67
23 35 16 16-0030 EA 8" x 15' Heat-Resistant Fabric Flex Hose (650 Degree F.) With Duct Coupler, Damper And Tail-Pipe Adapter.....	1,474.29	138.84
23 35 16 16-0031 EA 10" x 15' Heat-Resistant Fabric Flex Hose (650 Degree F.) With Duct Coupler, Damper And Tail-Pipe Adapter.....	1,631.75	138.84
23 35 16 16-0032 LF 8" Heat-Resistant Fabric Flex Hose (650 Degree F.).....	77.36	10.81
23 35 16 16-0033 LF 10" Heat-Resistant Fabric Flex Hose (650 Degree F.).....	87.03	10.81
23 35 16 16-0034 Flexible Hose <small>(23 35 16 16-0014)</small>		
23 35 16 16-0035 LF 3" Stainless Steel Flexible Tubing.....	22.80	2.65
23 35 16 16-0036 LF 4" Stainless Steel Flexible Tubing.....	28.64	2.97
23 35 16 16-0037 LF 5" Stainless Steel Flexible Tubing.....	33.68	3.08
23 35 16 16-0038 LF 6" Stainless Steel Flexible Tubing.....	39.43	3.29
23 35 16 16-0039 LF 3" Galvanized Flexible Tubing.....	14.06	2.65
23 35 16 16-0040 LF 4" Galvanized Flexible Tubing.....	16.36	2.97
23 35 16 16-0041 LF 5" Galvanized Flexible Tubing.....	18.51	3.08
23 35 16 16-0042 LF 6" Galvanized Flexible Tubing.....	20.50	3.29
23 35 16 16-0043 Accessories <small>(23 35 16 16-0002)</small>		
23 35 16 16-0044 EA 3" Tail Pipe Adapter.....	63.95	7.95
23 35 16 16-0045 EA 4" Tail Pipe Adapter.....	65.87	7.95
23 35 16 16-0046 EA 5" Tail Pipe Adapter.....	69.92	9.01
23 35 16 16-0047 EA 3" Bullnose (Guide).....	35.16	5.30
23 35 16 16-0048 EA 4" Bullnose (Guide).....	37.29	5.83
23 35 16 16-0049 EA 5" Bullnose (Guide).....	39.74	6.36
23 35 16 16-0050 EA Flex-Hose Winch And Associated Hardware.....	249.54	60.10
23 35 16 16-0051 LF Flex-Hose Winch Cable, 1/8" Galvanized Wire Rope.....	0.16	
23 35 16 16-0052 Automatic Exhaust Extraction System <small>(23 35 16 16-0001)</small>		
<small>Note: (Neiderman System) Includes track, hydraulic shock absorber, automatic disconnect box, flexible hose, electromagnetic ergonomic positioner, nozzle, power supply and accessories.</small>		
23 35 16 16-0053 EA Magnatrack System For One Vehicle (30" To 40" Track).....	20,313.45	
23 35 16 16-0054 EA Magnatrack System For Two Vehicles (2 Each 30" Tracks).....	29,341.65	
23 35 16 16-0055 EA Magnatrack System For Tandem Vehicles (2 Each 30" Tracks).....	29,341.65	
23 35 16 16-0056 EA Magnarail System For One Vehicle (33" Rail).....	24,075.20	
23 35 16 16-0057 EA Magnarail System For Two Vehicles in Tandem (66" Rail).....	36,112.80	
23 35 16 16-0058 EA Magnastack For One Vehicle, Vertical Exhaust Stacks (30" Stack).....	18,808.75	
23 35 19 Fume Exhaust <small>(23 35)</small>		
23 35 19 00-0001 EA Fume Exhauster, 1 1/2 HP 630 CFM With Out Hose And Intake Nozzle.....	1,860.63	423.60
23 35 19 00-0002 EA Hose Extension Kit 5'.....	351.70	94.11
23 36 Air Terminal Units <small>(23 30)</small>		
23 36 13 Constant-Air-Volume Units <small>(23 36)</small>		
23 36 13 00-0001 Vertical Units, With Electric Heating Coils <small>(23 36 13)</small>		
23 36 13 00-0002 EA 60 CFM Vertical Induction Unit, With Electric Heating Coils.....	1,470.15	144.90
23 36 13 00-0003 EA 90 CFM Vertical Induction Unit, With Electric Heating Coils.....	1,764.88	156.05
23 36 13 00-0004 EA 120 CFM Vertical Induction Unit, With Electric Heating Coils.....	1,881.90	161.62
23 36 13 00-0005 EA 150 CFM Vertical Induction Unit, With Electric Heating Coils.....	2,010.08	172.77
23 36 13 00-0006 EA 175 CFM Vertical Induction Unit, With Electric Heating Coils.....	2,264.11	178.35
23 36 13 00-0007 Horizontal Units, With Electric Heating Coils <small>(23 36 13)</small>		
23 36 13 00-0008 EA 60 CFM Horizontal Induction Unit, With Electric Heating Coils.....	1,252.30	144.90
23 36 13 00-0009 EA 90 CFM Horizontal Induction Unit, With Electric Heating Coils.....	1,492.45	156.05
23 36 13 00-0010 EA 120 CFM Horizontal Induction Unit, With Electric Heating Coils.....	1,776.38	164.42
23 36 13 00-0011 Duct Boxes, Constant Volume Control <small>(23 36 13)</small>		
23 36 13 00-0012 Single Duct Boxes, Constant Volume Control <small>(23 36 13 00-0011)</small>		
23 36 13 00-0013 EA 4 - 6" Diameter Inlet, 50 - 240 CFM, Single Duct Boxes, Constant Volume Control.....	887.41	43.74
<small>For Boxes With Motor, Add</small>	20.00	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 36 Air Terminal Units**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 36 13 00-0014	EA		6 - 8" Diameter Inlet, 100 - 480 CFM, Single Duct Boxes, Constant Volume Control	981.23	47.20
			<i>For Boxes With Motor, Add</i>	20.00	
23 36 13 00-0015	EA		7 - 10" Diameter Inlet, 150 - 720 CFM, Single Duct Boxes, Constant Volume Control	1,023.49	51.80
			<i>For Boxes With Motor, Add</i>	20.00	
23 36 13 00-0016	EA		9 - 12" Diameter Inlet, 200 - 960 CFM, Single Duct Boxes, Constant Volume Control	1,043.85	54.10
			<i>For Boxes With Motor, Add</i>	20.00	
23 36 13 00-0017	EA		12" Diameter Inlet, 250 - 1,200 CFM, Single Duct Boxes, Constant Volume Control	1,066.17	59.86
			<i>For Boxes With Motor, Add</i>	20.00	
23 36 13 00-0018	EA		14" Diameter Inlet, 350 - 1,680 CFM, Single Duct Boxes, Constant Volume Control	1,218.18	66.76
			<i>For Boxes With Motor, Add</i>	20.00	
23 36 13 00-0019	EA		16" Diameter Inlet, 450 - 2,160 CFM, Single Duct Boxes, Constant Volume Control	1,284.53	74.82
			<i>For Boxes With Motor, Add</i>	20.00	
23 36 13 00-0020	EA		20" x 16" Inlet, 550 - 2,640 CFM, Single Duct Boxes, Constant Volume Control.....	1,376.97	89.79
			<i>For Boxes With Motor, Add</i>	20.00	
23 36 13 00-0021	EA		24" x 16" Inlet, 650 - 3,120 CFM, Single Duct Boxes, Constant Volume Control.....	1,468.94	103.60
			<i>For Boxes With Motor, Add</i>	20.00	
23 36 13 00-0022			Dual Duct Boxes, Constant Volume Control <small>(23 36 13 00-0011)</small>		
23 36 13 00-0023	EA		4 - 6" Diameter Inlet, 50 - 240 CFM, Dual Duct Boxes, Constant Volume Control.....	1,223.66	43.74
			<i>For Boxes With Motor, Add</i>	20.00	
23 36 13 00-0024	EA		6 - 8" Diameter Inlet, 100 - 480 CFM, Dual Duct Boxes, Constant Volume Control.....	1,310.31	47.20
			<i>For Boxes With Motor, Add</i>	20.00	
23 36 13 00-0025	EA		7 - 10" Diameter Inlet, 150 - 720 CFM, Dual Duct Boxes, Constant Volume Control.....	1,371.27	51.80
			<i>For Boxes With Motor, Add</i>	20.00	
23 36 13 00-0026	EA		9 - 12" Diameter Inlet, 200 - 960 CFM, Dual Duct Boxes, Constant Volume Control.....	1,428.69	54.10
			<i>For Boxes With Motor, Add</i>	20.00	
23 36 13 00-0027	EA		12" Diameter Inlet, 250 - 1,200 CFM, Dual Duct Boxes, Constant Volume Control.....	1,451.01	59.86
			<i>For Boxes With Motor, Add</i>	20.00	
23 36 13 00-0028	EA		14" Diameter Inlet, 350 - 1,680 CFM, Dual Duct Boxes, Constant Volume Control.....	1,665.97	67.92
			<i>For Boxes With Motor, Add</i>	20.00	
23 36 13 00-0029	EA		16" Diameter Inlet, 450 - 2,160 CFM, Dual Duct Boxes, Constant Volume Control.....	1,823.38	74.82
			<i>For Boxes With Motor, Add</i>	20.00	
23 36 13 00-0030	EA		20" x 16" Inlet, 550 - 2,640 CFM, Dual Duct Boxes, Constant Volume Control.....	1,975.85	89.79
			<i>For Boxes With Motor, Add</i>	20.00	
23 36 13 00-0031	EA		24" x 16" Inlet, 650 - 3,120 CFM, Dual Duct Boxes, Constant Volume Control.....	2,077.35	103.60
			<i>For Boxes With Motor, Add</i>	20.00	
23 36 16			Variable-Air-Volume Units <small>(23 36)</small>		
23 36 16 00-0001			Variable Volume Terminal Unit <small>(23 36 16)</small> Note: Includes flow controllers, insulated plenum, system powered box mounted thermostat.		
23 36 16 00-0002			Single Duct Variable Volume Terminal Unit <small>(23 36 16 00-0001)</small> Note: Enclosure only. For mounting DDC controls.		
23 36 16 00-0003	EA		6" Diameter Inlet, 80 - 500 CFM, Variable Air Volume Box With enclosure only. For mounting DDC controls	327.33	52.95
			<i>For Filters And Frames, Add</i>	6.30	
23 36 16 00-0004	EA		8" Diameter Inlet, 145 - 900 CFM, Variable Air Volume Box With enclosure only. For mounting DDC controls	368.89	59.86
			<i>For Filters And Frames, Add</i>	6.30	
23 36 16 00-0005	EA		10" Diameter Inlet, 230 - 1,400 CFM, Variable Air Volume Box With enclosure only. For mounting DDC controls	413.24	66.76
			<i>For Filters And Frames, Add</i>	6.30	
23 36 16 00-0006	EA		12" Diameter Inlet, 325 - 2,000 CFM, Variable Air Volume Box With enclosure only. For mounting DDC controls	449.64	74.82
			<i>For Filters And Frames, Add</i>	6.30	
23 36 16 00-0007	EA		14" Diameter Inlet, 450 - 3,000 CFM, Variable Air Volume Box With enclosure only. For mounting DDC controls	610.04	161.04
			<i>For Filters And Frames, Add</i>	6.30	
23 36 16 00-0008	EA		16" Diameter Inlet, 580 - 4,000 CFM, Variable Air Volume Box With enclosure only. For mounting DDC controls	798.34	191.08
			<i>For Filters And Frames, Add</i>	6.30	
23 36 16 00-0009			Single Duct Variable Volume Terminal Unit <small>(23 36 16 00-0001)</small> Note: With pneumatic controls.		
23 36 16 00-0010	EA		6" Diameter Inlet, 80 - 500 CFM, Variable Air Volume Box With pneumatic controller	534.42	52.95
			<i>For Fan Powered Variable Air Volume Box, Add</i>	443.44	
			<i>For Hot Water Coils, Add</i>	40.55	
			<i>For Pressure Independent Actuator, Add</i>	67.57	
			<i>For Filters And Frames, Add</i>	6.30	
23 36 16 00-0011	EA		8" Diameter Inlet, 145 - 900 CFM, Variable Air Volume Box With pneumatic controller	585.69	59.86
			<i>For Fan Powered Variable Air Volume Box, Add</i>	476.56	
			<i>For Hot Water Coils, Add</i>	40.55	
			<i>For Pressure Independent Actuator, Add</i>	67.57	
			<i>For Filters And Frames, Add</i>	6.30	
23 36 16 00-0012	EA		10" Diameter Inlet, 230 - 1,400 CFM, Variable Air Volume Box With pneumatic controller	626.30	66.76
			<i>For Fan Powered Variable Air Volume Box, Add</i>	494.16	
			<i>For Hot Water Coils, Add</i>	40.55	
			<i>For Pressure Independent Actuator, Add</i>	67.57	
			<i>For Filters And Frames, Add</i>	6.30	
23 36 16 00-0013	EA		12" Diameter Inlet, 325 - 2,000 CFM, Variable Air Volume Box With pneumatic controller	666.44	74.82
			<i>For Fan Powered Variable Air Volume Box, Add</i>	510.87	
			<i>For Hot Water Coils, Add</i>	40.55	
			<i>For Pressure Independent Actuator, Add</i>	67.57	
			<i>For Filters And Frames, Add</i>	6.30	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 36 16 00-0014 EA 14" Diameter Inlet, 450 To 3,000 CFM, Variable Air Volume Box With pneumatic controller	806.66	161.04
<i>For Fan Powered Variable Air Volume Box, Add</i>	580.57	
<i>For Hot Water Coils, Add</i>	40.55	
<i>For Pressure Independent Actuator, Add</i>	67.57	
<i>For Filters And Frames, Add</i>	6.30	
23 36 16 00-0015 EA 16" Diameter Inlet, 580 To 4,000 CFM, Variable Air Volume Box With pneumatic controller	1,011.41	191.08
<i>For Fan Powered Variable Air Volume Box, Add</i>	646.40	
<i>For Hot Water Coils, Add</i>	40.55	
<i>For Pressure Independent Actuator, Add</i>	67.57	
<i>For Filters And Frames, Add</i>	6.30	
23 36 16 00-0016 Single Duct Variable Volume Terminal Unit <small>(23 36 16 00-0001)</small>		
<i>Note: With analog electronic controls.</i>		
23 36 16 00-0017 EA 6" Diameter Inlet, 60 - 500 CFM, Variable Air Volume Box With analog electronic controls	792.34	52.95
<i>For Hot Water Coils, Add</i>	40.55	
<i>For Filters And Frames, Add</i>	6.30	
23 36 16 00-0018 EA 8" Diameter Inlet, 105 - 900 CFM, Variable Air Volume Box With analog electronic controls	837.63	59.86
<i>For Hot Water Coils, Add</i>	40.55	
<i>For Filters And Frames, Add</i>	6.30	
23 36 16 00-0019 EA 10" Diameter Inlet, 165 - 1,400 CFM, Variable Air Volume Box With analog electronic controls	881.98	66.76
<i>For Hot Water Coils, Add</i>	40.55	
<i>For Filters And Frames, Add</i>	6.30	
23 36 16 00-0020 EA 12" Diameter Inlet, 235 - 2,000 CFM, Variable Air Volume Box With analog electronic controls	936.33	74.82
<i>For Hot Water Coils, Add</i>	40.55	
<i>For Filters And Frames, Add</i>	6.30	
23 36 16 00-0021 EA 14" Diameter Inlet, 320 - 3,000 CFM, Variable Air Volume Box With analog electronic controls	1,077.29	161.04
<i>For Hot Water Coils, Add</i>	40.55	
<i>For Filters And Frames, Add</i>	6.30	
23 36 16 00-0022 EA 16" Diameter Inlet, 420 - 4,000 CFM, Variable Air Volume Box With analog electronic controls	1,092.24	161.04
<i>For Hot Water Coils, Add</i>	40.55	
<i>For Filters And Frames, Add</i>	6.30	
23 36 16 00-0023 Dual Duct Variable Volume Terminal Unit <small>(23 36 16 00-0001)</small>		
<i>Note: With flow control installation, plenum system power box, thermostat.</i>		
23 36 16 00-0024 EA 6" Diameter Inlet, 75 - 500 CFM, Variable Air Volume Box, Dual Duct	586.78	104.63
<i>For Filters And Frames, Add</i>	6.30	
23 36 16 00-0025 EA 8" Diameter Inlet, 200 - 700 CFM, Variable Air Volume Box, Dual Duct	647.86	119.14
<i>For Filters And Frames, Add</i>	6.30	
23 36 16 00-0026 EA 10" Diameter Inlet, 400 - 1,000 CFM, Variable Air Volume Box, Dual Duct	702.90	134.56
<i>For Filters And Frames, Add</i>	6.30	
23 36 16 00-0027 EA 12" Diameter Inlet, 600 - 1,400 CFM, Variable Air Volume Box, Dual Duct	774.26	150.11
<i>For Filters And Frames, Add</i>	6.30	
23 36 16 00-0028 EA 14" Diameter Inlet, 800 - 2,700 CFM, Variable Air Volume Box, Dual Duct	875.54	172.67
<i>For Filters And Frames, Add</i>	6.30	
23 36 16 00-0029 EA 16" Diameter Inlet, 1,000 - 3,500 CFM, Variable Air Volume Box, Dual Duct	984.77	207.20
<i>For Filters And Frames, Add</i>	6.30	
23 36 16 00-0030 Constant Volume To Variable Volume Retrofit Terminal Unit (Titus DQCV-		
M) <small>(23 36 16 00-0001)</small>		
23 36 16 00-0031 EA 0 To 200 CFM Digital Control, Constant Volume To Variable Volume Retrofit Terminal Unit (Titus DQCV-A)	440.82	71.95
<i>For Filters And Frames, Add</i>	6.30	
23 36 16 00-0032 EA 0 To 300 CFM Digital Control, Constant Volume To Variable Volume Retrofit Terminal Unit (Titus DQCV-B)	480.32	79.13
<i>For Filters And Frames, Add</i>	6.30	
23 36 16 00-0033 EA 0 To 400 CFM Digital Control, Constant Volume To Variable Volume Retrofit Terminal Unit (Titus DQCV-C)	520.55	86.33
<i>For Filters And Frames, Add</i>	6.30	
23 36 16 00-0034 EA 0 To 700 CFM Digital Control, Constant Volume To Variable Volume Retrofit Terminal Unit (Titus DQCV-D)	561.60	93.53
<i>For Filters And Frames, Add</i>	6.30	
23 36 16 00-0035 EA 0 To 1,000 CFM Digital Control, Constant Volume To Variable Volume Retrofit Terminal Unit (Titus DQCV-E)	603.51	100.72
<i>For Filters And Frames, Add</i>	6.30	
23 36 16 00-0036 EA 0 To 1,000 CFM Digital Control, Constant Volume To Variable Volume Retrofit Terminal Unit (Titus DQCV-F)	646.33	107.92
<i>For Filters And Frames, Add</i>	6.30	
23 36 16 00-0037 EA 0 To 1,100 CFM Digital Control, Constant Volume To Variable Volume Retrofit Terminal Unit (Titus DQCV-G)	692.65	115.11
<i>For Filters And Frames, Add</i>	6.30	
23 36 16 00-0038 EA 0 To 1,900 CFM Digital Control, Constant Volume To Variable Volume Retrofit Terminal Unit (Titus DQCV-H)	737.69	122.31
<i>For Filters And Frames, Add</i>	6.30	
23 36 16 00-0039 EA 0 To 2,400 CFM Digital Control, Constant Volume To Variable Volume Retrofit Terminal Unit (Titus DQCV-J)	783.86	129.51
<i>For Filters And Frames, Add</i>	6.30	
23 36 16 00-0040 EA 0 To 3,800 CFM Digital Control, Constant Volume To Variable Volume Retrofit Terminal Unit (Titus DQCV-K)	831.24	136.69
<i>For Filters And Frames, Add</i>	6.30	
23 36 16 00-0041 EA 0 To 5,400 CFM Digital Control, Constant Volume To Variable Volume Retrofit Terminal Unit (Titus DQCV-L)	879.95	143.89
<i>For Filters And Frames, Add</i>	6.30	
23 36 16 00-0042 EA 0 To 5,400 CFM Digital Control, Constant Volume To Variable Volume Retrofit Terminal Unit (Titus DQCV-M)	930.02	151.08
<i>For Filters And Frames, Add</i>	6.30	
23 36 16 00-0043 EA 0 To 6,700 CFM Digital Control, Constant Volume To Variable Volume Retrofit Terminal Unit (Titus DQCV-N)	981.59	158.28
<i>For Filters And Frames, Add</i>	6.30	
23 36 16 00-0044 EA 0 To 10,000 CFM Digital Control, Constant Volume To Variable Volume Retrofit Terminal Unit (Titus DQCV-P)	1,031.31	165.47
<i>For Filters And Frames, Add</i>	6.30	
23 36 16 00-0045 EA 0 To 15,000 CFM Digital Control, Constant Volume To Variable Volume Retrofit Terminal Unit (Titus DQCV-R)	1,085.95	172.67
<i>For Filters And Frames, Add</i>	6.30	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 37 Air Outlets And Inlets**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST**23 37 Air Outlets And Inlets** (23.30)**23 37 13 Diffusers, Registers, And Grilles** (23.37)

23 37 13 00-0001 Wall And Floor Diffusers (23.37.13)

23 37 13 00-0002 Slot Type Linear Diffusers (23.37.13.00-0001)

Note: For sidewall sill or ceiling 1/2" 3/4" or 1" slot spacing 1-1/8" border.

23 37 13 00-0003	LF	1 Slot Linear Diffusers 10 - 70 CFM/LF, Sidewall, Sill, Ceiling.....	39.76	5.76
		For 3/4" Border, Add	3.90	
		For Floor Mounted Diffusers, Add	4.67	
		For Stainless Steel, Add	20.25	
23 37 13 00-0004	LF	2 Slot Linear Diffusers 20 - 140 CFM/LF, Sidewall, Sill, Ceiling.....	47.23	6.90
		For 3/4" Border, Add	5.19	
		For Floor Mounted Diffusers, Add	6.23	
		For Stainless Steel, Add	27.00	
23 37 13 00-0005	LF	3 Slot Linear Diffusers 30 - 210 CFM/LF, Sidewall, Sill, Ceiling.....	62.66	8.06
		For 3/4" Border, Add	8.18	
		For Floor Mounted Diffusers, Add	9.82	
		For Stainless Steel, Add	42.54	
23 37 13 00-0006	LF	4 Slot Linear Diffusers 40 - 280 CFM/LF, Sidewall, Sill, Ceiling.....	80.11	8.06
		For 3/4" Border, Add	11.69	
		For Floor Mounted Diffusers, Add	14.02	
		For Stainless Steel, Add	60.76	
23 37 13 00-0007	LF	5 Slot Linear Diffusers 50 - 350 CFM/LF, Sidewall, Sill, Ceiling.....	98.79	9.21
		For 3/4" Border, Add	15.19	
		For Floor Mounted Diffusers, Add	18.23	
		For Stainless Steel, Add	79.00	
23 37 13 00-0008	LF	6 Slot Linear Diffusers 60 - 420 CFM/LF, Sidewall, Sill, Ceiling.....	115.39	11.51
		For 3/4" Border, Add	17.92	
		For Floor Mounted Diffusers, Add	21.50	
		For Stainless Steel, Add	93.17	

23 37 13 00-0009 Linear Bar Grilles And Registers (23.37.13.00-0001)

Note: For sidewall sill or ceiling or 15 degree deflection 1/2" bar spacing 1" border aluminum construction.

23 37 13 00-0010	LF	2" Wide Linear Bar Grilles/Registers 30 - 70 CFM/LF, Sidewall, Sill, Ceiling.....	101.77	6.90
		For Floor Mount, Add	7.53	
		For Opposed Blade Damper, Add	15.06	
		For Stainless Steel, Add	97.90	
23 37 13 00-0011	LF	3" Wide Linear Bar Grilles/Registers 55 - 143 CFM/LF, Sidewall, Sill, Ceiling.....	120.83	8.06
		For Floor Mount, Add	9.09	
		For Opposed Blade Damper, Add	18.18	
		For Stainless Steel, Add	118.16	
23 37 13 00-0012	LF	4" Wide Linear Bar Grilles/Registers 80 - 208 CFM/LF, Sidewall, Sill, Ceiling.....	132.05	8.06
		For Floor Mount, Add	9.87	
		For Opposed Blade Damper, Add	19.74	
		For Stainless Steel, Add	128.28	
23 37 13 00-0013	LF	6" Wide Linear Bar Grilles/Registers 125 - 325 CFM/LF, Sidewall, Sill, Ceiling.....	163.17	11.51
		For Floor Mount, Add	11.95	
		For Opposed Blade Damper, Add	23.89	
		For Stainless Steel, Add	155.29	
23 37 13 00-0014	LF	9" Wide Linear Bar Grilles/Registers 225 - 450 CFM/LF, Sidewall, Sill, Ceiling.....	224.89	14.96
		For Floor Mount, Add	16.62	
		For Opposed Blade Damper, Add	33.24	
		For Stainless Steel, Add	216.06	
23 37 13 00-0015	LF	12" Wide Linear Bar Grilles/Registers 225 - 495 CFM/LF, Sidewall, Sill, Ceiling.....	261.02	17.27
		For Floor Mount, Add	18.96	
		For Opposed Blade Damper, Add	37.91	
		For Stainless Steel, Add	246.44	

23 37 13 00-0016 Ceiling Diffusers (23.37.13)**23 37 13 00-0017 Ceiling Diffusers With Perforated Face** (23.37.13.00-0016)

Note: Flush mount, aluminum construction, includes damper.

23 37 13 00-0018	EA	6" x 6" Ceiling Diffuser With Perforated Face, Flush Mount, Aluminum Construction With Damper	89.53	14.96
		For Steel Construction, Deduct	-4.55	
		For Surface Mount, Deduct	-3.64	
		For Diffuser Without Damper, Deduct	-6.07	
		For Stainless Steel, Add	75.83	
23 37 13 00-0019	EA	8" x 8" Ceiling Diffuser With Perforated Face, Flush Mount, Aluminum Construction With Damper	96.27	14.96
		For Steel Construction, Deduct	-5.56	
		For Surface Mount, Deduct	-4.45	
		For Diffuser Without Damper, Deduct	-7.41	
		For Stainless Steel, Add	92.68	
23 37 13 00-0020	EA	9" x 9" Ceiling Diffuser With Perforated Face, Flush Mount, Aluminum Construction With Damper	96.27	14.96
		For Steel Construction, Deduct	-5.56	
		For Surface Mount, Deduct	-4.45	
		For Diffuser Without Damper, Deduct	-7.41	
		For Stainless Steel, Add	92.68	
23 37 13 00-0021	EA	10" x 10" Ceiling Diffuser With Perforated Face, Flush Mount, Aluminum Construction With Damper	115.82	18.42
		For Steel Construction, Deduct	-6.66	
		For Surface Mount, Deduct	-5.32	
		For Diffuser Without Damper, Deduct	-8.87	
		For Stainless Steel, Add	110.93	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 37 13 00-0022 EA 12" x 12" Ceiling Diffuser With Perforated Face, Flush Mount, Aluminum Construction With Damper	115.82	17.27
<i>For Steel Construction, Deduct</i>	-6.66	
<i>For Surface Mount, Deduct</i>	-5.32	
<i>For Diffuser Without Damper, Deduct</i>	-8.87	
<i>For Stainless Steel, Add</i>	110.93	
23 37 13 00-0023 EA 16" x 16" Ceiling Diffuser With Perforated Face, Flush Mount, Aluminum Construction With Damper	128.18	17.27
<i>For Steel Construction, Deduct</i>	-8.51	
<i>For Surface Mount, Deduct</i>	-6.81	
<i>For Diffuser Without Damper, Deduct</i>	-11.35	
<i>For Stainless Steel, Add</i>	141.83	
23 37 13 00-0024 EA 18" x 18" Ceiling Diffuser With Perforated Face, Flush Mount, Aluminum Construction With Damper	150.70	23.02
<i>For Steel Construction, Deduct</i>	-9.15	
<i>For Surface Mount, Deduct</i>	-7.32	
<i>For Diffuser Without Damper, Deduct</i>	-12.20	
<i>For Stainless Steel, Add</i>	152.50	
23 37 13 00-0025 EA 20" x 20" Ceiling Diffuser With Perforated Face, Flush Mount, Aluminum Construction With Damper	170.34	24.17
<i>For Steel Construction, Deduct</i>	-11.42	
<i>For Surface Mount, Deduct</i>	-9.14	
<i>For Diffuser Without Damper, Deduct</i>	-15.23	
<i>For Stainless Steel, Add</i>	190.40	
23 37 13 00-0026 EA 24" x 24" Ceiling Diffuser With Perforated Face, Flush Mount, Aluminum Construction With Damper	194.33	27.63
<i>For Steel Construction, Deduct</i>	-12.71	
<i>For Surface Mount, Deduct</i>	-10.16	
<i>For Lay-In Mount, Deduct</i>	-10.16	
<i>For Diffuser Without Damper, Deduct</i>	-16.94	
<i>For Stainless Steel, Add</i>	211.75	
23 37 13 00-0027 Ceiling Diffusers With Louver Face <small>(23 37 13 00-0016)</small>		
Note: 1 To 4 way adjustable pattern, surface mount aluminum construction.		
23 37 13 00-0028 EA 6" x 6" Ceiling Diffuser, Louver Face, Adjustable Pattern, Surface Mounted, Aluminum Construction With Damper	91.78	14.96
<i>For Steel Construction, Deduct</i>	-4.89	
<i>For Flush Mount, Add</i>	4.89	
<i>For Stainless Steel, Add</i>	81.45	
23 37 13 00-0029 EA 8" x 8" Ceiling Diffuser, Louver Face, Adjustable Pattern, Surface Mounted, Aluminum Construction With Damper	100.54	14.96
<i>For Steel Construction, Deduct</i>	-6.20	
<i>For Flush Mount, Add</i>	6.20	
<i>For Stainless Steel, Add</i>	103.35	
23 37 13 00-0030 EA 9" x 9" Ceiling Diffuser, Louver Face, Adjustable Pattern, Surface Mounted, Aluminum Construction With Damper	100.54	14.96
<i>For Steel Construction, Deduct</i>	-6.20	
<i>For Flush Mount, Add</i>	6.20	
<i>For Stainless Steel, Add</i>	103.35	
23 37 13 00-0031 EA 10" x 10" Ceiling Diffuser, Louver Face, Adjustable Pattern, Surface Mounted, Aluminum Construction With Damper	120.88	17.27
<i>For Steel Construction, Deduct</i>	-7.41	
<i>For Flush Mount, Add</i>	7.41	
<i>For Stainless Steel, Add</i>	123.58	
23 37 13 00-0032 EA 12" x 12" Ceiling Diffuser, Louver Face, Adjustable Pattern, Surface Mounted, Aluminum Construction With Damper	120.88	18.42
<i>For Steel Construction, Deduct</i>	-7.41	
<i>For Flush Mount, Add</i>	7.41	
<i>For Stainless Steel, Add</i>	123.58	
23 37 13 00-0033 EA 24" x 12" Ceiling Diffuser, Louver Face, Adjustable Pattern, Surface Mounted, Aluminum Construction With Damper	154.80	23.02
<i>For Steel Construction, Deduct</i>	-9.71	
<i>For Flush Mount, Add</i>	9.71	
<i>For Stainless Steel, Add</i>	161.78	
23 37 13 00-0034 EA 14" x 14" Ceiling Diffuser, Louver Face, Adjustable Pattern, Surface Mounted, Aluminum Construction With Damper	142.89	23.02
<i>For Steel Construction, Deduct</i>	-7.92	
<i>For Flush Mount, Add</i>	7.92	
<i>For Stainless Steel, Add</i>	132.00	
23 37 13 00-0035 EA 18" x 18" Ceiling Diffuser, Louver Face, Adjustable Pattern, Surface Mounted, Aluminum Construction With Damper	176.79	27.63
<i>For Steel Construction, Deduct</i>	-10.16	
<i>For Flush Mount, Add</i>	10.16	
<i>For Stainless Steel, Add</i>	169.35	
23 37 13 00-0036 EA 21" x 21" Ceiling Diffuser, Louver Face, Adjustable Pattern, Surface Mounted, Aluminum Construction With Damper	199.23	31.08
<i>For Steel Construction, Deduct</i>	-12.64	
<i>For Flush Mount, Add</i>	12.64	
<i>For Stainless Steel, Add</i>	210.63	
23 37 13 00-0037 EA 24" x 24" Ceiling Diffuser, Louver Face, Adjustable Pattern, Surface Mounted, Aluminum Construction With Damper	215.92	60.89
<i>For Steel Construction, Deduct</i>	-14.10	
<i>For Flush Mount, Add</i>	14.10	
<i>For Lay-In Mount, Add</i>	18.81	
<i>For Stainless Steel, Add</i>	235.08	
23 37 13 00-0038 Round Ceiling Diffusers With Fixed Pattern <small>(23 37 13 00-0016)</small>		
Note: Aluminum construction.		
23 37 13 00-0039 EA 6" Round Ceiling Diffuser With Fixed Pattern, Aluminum Construction	132.12	14.96
<i>For Steel Construction, Deduct</i>	-21.88	
<i>For Stainless Steel, Add</i>	182.30	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 37 Air Outlets And Inlets**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 37 13 00-0040 EA 8" Round Ceiling Diffuser With Fixed Pattern, Aluminum Construction	135.86	14.96
For Steel Construction, Deduct	-23.00	
For Stainless Steel, Add	191.65	
23 37 13 00-0041 EA 10" Round Ceiling Diffuser With Fixed Pattern, Aluminum Construction	155.59	18.42
For Steel Construction, Deduct	-25.24	
For Stainless Steel, Add	210.35	
23 37 13 00-0042 EA 12" Round Ceiling Diffuser With Fixed Pattern, Aluminum Construction	164.93	17.27
For Steel Construction, Deduct	-26.04	
For Stainless Steel, Add	233.70	
23 37 13 00-0043 EA 14" Round Ceiling Diffuser With Fixed Pattern, Aluminum Construction	226.85	20.72
For Steel Construction, Deduct	-43.19	
For Stainless Steel, Add	359.93	
23 37 13 00-0044 EA 16" Round Ceiling Diffuser With Fixed Pattern, Aluminum Construction	238.71	21.87
For Steel Construction, Deduct	-45.71	
For Stainless Steel, Add	380.95	
23 37 13 00-0045 EA 18" Round Ceiling Diffuser With Fixed Pattern, Aluminum Construction	250.88	23.02
For Steel Construction, Deduct	-48.24	
For Stainless Steel, Add	401.98	
23 37 13 00-0046 EA 20" Round Ceiling Diffuser With Fixed Pattern, Aluminum Construction	285.30	23.02
For Steel Construction, Deduct	-57.34	
For Stainless Steel, Add	477.80	
23 37 13 00-0047 EA 24" Round Ceiling Diffuser With Fixed Pattern, Aluminum Construction	336.27	26.47
For Steel Construction, Deduct	-69.80	
For Stainless Steel, Add	581.68	
23 37 13 00-0048 EA 28" Round Ceiling Diffuser With Fixed Pattern, Aluminum Construction	374.96	27.63
For Steel Construction, Deduct	-79.77	
For Stainless Steel, Add	664.78	
23 37 13 00-0049 EA 32" Round Ceiling Diffuser With Fixed Pattern, Aluminum Construction	443.89	31.08
For Steel Construction, Deduct	-96.60	
For Stainless Steel, Add	805.00	
23 37 13 00-0050 Round Ceiling Diffusers With Adjustable Pattern Dropped Style (23 37 13 00-0016)		
Note: Aluminum construction.		
23 37 13 00-0051 EA 6" Round Ceiling Diffuser With Adjustable Pattern, Aluminum Construction.....	137.73	14.96
For Steel Construction, Deduct	-7.85	
For Flush Mount, Deduct	-3.93	
For Stainless Steel, Add	196.33	
23 37 13 00-0052 EA 8" Round Ceiling Diffuser With Adjustable Pattern, Aluminum Construction.....	147.39	14.96
For Steel Construction, Deduct	-8.82	
For Flush Mount, Deduct	-4.41	
For Stainless Steel, Add	220.48	
23 37 13 00-0053 EA 10" Round Ceiling Diffuser With Adjustable Pattern, Aluminum Construction.....	169.09	18.42
For Steel Construction, Deduct	-9.76	
For Flush Mount, Deduct	-4.88	
For Stainless Steel, Add	244.10	
23 37 13 00-0054 EA 12" Round Ceiling Diffuser With Adjustable Pattern, Aluminum Construction.....	179.89	18.42
For Steel Construction, Deduct	-10.84	
For Flush Mount, Deduct	-5.42	
For Stainless Steel, Add	271.10	
23 37 13 00-0055 EA 14" Round Ceiling Diffuser With Adjustable Pattern, Aluminum Construction.....	251.15	20.72
For Steel Construction, Deduct	-16.83	
For Flush Mount, Deduct	-8.41	
For Stainless Steel, Add	420.68	
23 37 13 00-0056 EA 16" Round Ceiling Diffuser With Adjustable Pattern, Aluminum Construction.....	188.43	21.87
For Steel Construction, Deduct	-17.98	
For Flush Mount, Deduct	-8.99	
For Stainless Steel, Add	449.50	
23 37 13 00-0057 EA 18" Round Ceiling Diffuser With Adjustable Pattern, Aluminum Construction.....	281.42	23.02
For Steel Construction, Deduct	-19.13	
For Flush Mount, Deduct	-9.57	
For Stainless Steel, Add	478.33	
23 37 13 00-0058 EA 20" Round Ceiling Diffuser With Adjustable Pattern, Aluminum Construction.....	321.66	24.17
For Steel Construction, Deduct	-22.75	
For Flush Mount, Deduct	-11.37	
For Stainless Steel, Add	568.70	
23 37 13 00-0059 EA 24" Round Ceiling Diffuser With Adjustable Pattern, Aluminum Construction.....	362.03	26.47
For Steel Construction, Deduct	-25.84	
For Flush Mount, Deduct	-12.92	
For Stainless Steel, Add	646.08	
23 37 13 00-0060 EA 28" Round Ceiling Diffuser With Adjustable Pattern, Aluminum Construction.....	431.05	27.63
For Steel Construction, Deduct	-32.20	
For Flush Mount, Deduct	-16.10	
For Stainless Steel, Add	805.00	
23 37 13 00-0061 EA 32" Round Ceiling Diffuser With Adjustable Pattern, Aluminum Construction.....	514.73	31.08
For Steel Construction, Deduct	-39.28	
For Flush Mount, Deduct	-19.64	
For Stainless Steel, Add	982.10	
23 37 13 00-0062 EA 36" Round Ceiling Diffuser With Adjustable Pattern, Aluminum Construction.....	567.65	64.80
For Steel Construction, Deduct	-96.60	
For Stainless Steel, Add	1,095.35	
23 37 13 00-0063 Linear Type Ceiling Diffusers With 2-Way Air Deflection (23 37 13 00-0016)		
23 37 13 00-0064 LF 4" Linear Type Ceiling Diffuser 40-200 CFM/LF, With 2-Way Air Deflection.....	116.24	17.27
For Stainless Steel, Add	117.95	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 37 13 00-0065 LF 6-1/4" Linear Type Ceiling Diffuser, 41 - 206 CFM/LF, With 2-Way Air Deflection <i>For Stainless Steel, Add</i>	122.66 134.00	17.27
23 37 13 00-0066 LF 9-1/4" Linear Type Ceiling Diffuser, 62 - 312 CFM/LF, With 2-Way Air Deflection <i>For Stainless Steel, Add</i>	130.55 153.73	17.27
23 37 13 00-0067 LF 12-1/4" Linear Type Ceiling Diffuser, 131 - 656 CFM/LF, With 2-Way Air Deflection <i>For Stainless Steel, Add</i>	138.24 172.95	17.27
23 37 13 00-0068 Return/Exhaust Registers And Grilles <small>(23 37 13)</small>		
23 37 13 00-0069 Return/Exhaust Registers With Frame <small>(23 37 13 00-0068)</small>		
Note: Single deflection with opposed blade damper aluminum construction wall or ceiling mount.		
23 37 13 00-0070 EA 8" x 4" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling..... <i>For Steel Construction, Deduct</i> <i>For Grilles (No Damper), Deduct</i> <i>For Removable Core, Add</i> <i>For Cube Core With Frame, Add</i> <i>For Cube Core Lay In, Add</i> <i>For Stainless Steel, Add</i>	77.54 -8.36 -16.72 35.00 4.18 8.36 104.53	9.21
23 37 13 00-0071 EA 8" x 6" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling..... <i>For Steel Construction, Deduct</i> <i>For Grilles (No Damper), Deduct</i> <i>For Removable Core, Add</i> <i>For Cube Core With Frame, Add</i> <i>For Cube Core Lay In, Add</i> <i>For Stainless Steel, Add</i>	86.63 -10.18 -20.36 35.00 5.09 10.18 127.25	9.21
23 37 13 00-0072 EA 10" x 6" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling..... <i>For Steel Construction, Deduct</i> <i>For Grilles (No Damper), Deduct</i> <i>For Removable Core, Add</i> <i>For Cube Core With Frame, Add</i> <i>For Cube Core Lay In, Add</i> <i>For Stainless Steel, Add</i>	97.79 -11.27 -22.54 35.00 5.64 11.27 140.88	10.36
23 37 13 00-0073 EA 10" x 10" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling..... <i>For Steel Construction, Deduct</i> <i>For Grilles (No Damper), Deduct</i> <i>For Removable Core, Add</i> <i>For Cube Core With Frame, Add</i> <i>For Cube Core Lay In, Add</i> <i>For Stainless Steel, Add</i>	104.54 -11.27 -22.54 35.00 5.64 11.27 140.88	11.51
23 37 13 00-0074 EA 12" x 6" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling..... <i>For Steel Construction, Deduct</i> <i>For Grilles (No Damper), Deduct</i> <i>For Removable Core, Add</i> <i>For Cube Core With Frame, Add</i> <i>For Cube Core Lay In, Add</i> <i>For Stainless Steel, Add</i>	100.90 -10.54 -21.08 35.00 5.27 10.54 131.78	11.51
23 37 13 00-0075 EA 12" x 12" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling..... <i>For Steel Construction, Deduct</i> <i>For Grilles (No Damper), Deduct</i> <i>For Removable Core, Add</i> <i>For Cube Core With Frame, Add</i> <i>For Cube Core Lay In, Add</i> <i>For Stainless Steel, Add</i>	128.28 -13.82 -27.63 35.00 6.91 13.82 172.70	14.96
23 37 13 00-0076 EA 16" x 16" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling..... <i>For Steel Construction, Deduct</i> <i>For Grilles (No Damper), Deduct</i> <i>For Removable Core, Add</i> <i>For Cube Core With Frame, Add</i> <i>For Cube Core Lay In, Add</i> <i>For Stainless Steel, Add</i>	153.92 -16.49 -32.99 35.00 8.25 16.49 206.18	17.27
23 37 13 00-0077 EA 18" x 18" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling..... <i>For Steel Construction, Deduct</i> <i>For Grilles (No Damper), Deduct</i> <i>For Removable Core, Add</i> <i>For Cube Core With Frame, Add</i> <i>For Cube Core Lay In, Add</i> <i>For Stainless Steel, Add</i>	186.49 -20.72 -41.44 35.00 10.36 20.72 259.03	20.72
23 37 13 00-0078 EA 20" x 20" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling..... <i>For Steel Construction, Deduct</i> <i>For Grilles (No Damper), Deduct</i> <i>For Removable Core, Add</i> <i>For Cube Core With Frame, Add</i> <i>For Cube Core Lay In, Add</i> <i>For Stainless Steel, Add</i>	215.56 -25.09 -50.19 35.00 12.55 25.09 313.68	23.02
23 37 13 00-0079 EA 24" x 12" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling..... <i>For Steel Construction, Deduct</i> <i>For Grilles (No Damper), Deduct</i> <i>For Removable Core, Add</i> <i>For Cube Core With Frame, Add</i> <i>For Cube Core Lay In, Add</i> <i>For Stainless Steel, Add</i>	199.12 -20.99 -41.98 35.00 10.49 20.99 262.35	23.02

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 37 Air Outlets And Inlets**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 37 13 00-0080 EA 24" x 18" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling.....	221.42	23.02
For Steel Construction, Deduct	-25.45	
For Grilles (No Damper), Deduct	-50.90	
For Removable Core, Add	35.00	
For Cube Core With Frame, Add	12.72	
For Cube Core Lay In, Add	25.45	
For Stainless Steel, Add	318.10	
23 37 13 00-0081 EA 24" x 24" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling.....	235.48	26.47
For Steel Construction, Deduct	-26.38	
For Grilles (No Damper), Deduct	-52.75	
For Removable Core, Add	35.00	
For Cube Core With Frame, Add	13.19	
For Cube Core Lay In, Add	26.38	
For Stainless Steel, Add	329.70	
23 37 13 00-0082 EA 30" x 12" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling.....	249.21	27.63
For Steel Construction, Deduct	-28.03	
For Grilles (No Damper), Deduct	-56.06	
For Removable Core, Add	35.00	
For Cube Core With Frame, Add	14.02	
For Cube Core Lay In, Add	28.03	
For Stainless Steel, Add	350.40	
23 37 13 00-0083 EA 30" x 18" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling.....	285.48	31.08
For Steel Construction, Deduct	-32.72	
For Grilles (No Damper), Deduct	-65.44	
For Removable Core, Add	35.00	
For Cube Core With Frame, Add	16.36	
For Cube Core Lay In, Add	32.72	
For Stainless Steel, Add	408.98	
23 37 13 00-0084 EA 30" x 24" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling.....	325.04	36.83
For Steel Construction, Deduct	-35.41	
For Grilles (No Damper), Deduct	-70.82	
For Removable Core, Add	35.00	
For Cube Core With Frame, Add	17.70	
For Cube Core Lay In, Add	35.41	
For Stainless Steel, Add	442.60	
23 37 13 00-0085 EA 30" x 30" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling.....	402.01	36.83
For Steel Construction, Deduct	-50.80	
For Grilles (No Damper), Deduct	-101.60	
For Removable Core, Add	35.00	
For Cube Core With Frame, Add	25.40	
For Cube Core Lay In, Add	50.80	
For Stainless Steel, Add	635.03	
23 37 13 00-0086 EA 36" x 12" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling.....	350.63	40.29
For Steel Construction, Deduct	-38.25	
For Grilles (No Damper), Deduct	-76.50	
For Removable Core, Add	35.00	
For Cube Core With Frame, Add	19.13	
For Cube Core Lay In, Add	38.25	
For Stainless Steel, Add	478.13	
23 37 13 00-0087 EA 36" x 18" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling.....	343.32	39.14
For Steel Construction, Deduct	-36.79	
For Grilles (No Damper), Deduct	-73.58	
For Removable Core, Add	35.00	
For Cube Core With Frame, Add	18.39	
For Cube Core Lay In, Add	36.79	
For Stainless Steel, Add	459.85	
23 37 13 00-0088 EA 36" x 24" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling.....	386.88	43.74
For Steel Construction, Deduct	-42.84	
For Grilles (No Damper), Deduct	-85.68	
For Removable Core, Add	35.00	
For Cube Core With Frame, Add	21.42	
For Cube Core Lay In, Add	42.84	
For Stainless Steel, Add	535.53	
23 37 13 00-0089 EA 36" x 36" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling.....	503.64	47.20
For Steel Construction, Deduct	-63.05	
For Grilles (No Damper), Deduct	-126.11	
For Removable Core, Add	35.00	
For Cube Core With Frame, Add	31.53	
For Cube Core Lay In, Add	63.05	
For Stainless Steel, Add	788.18	
23 37 13 00-0090 EA 24" x 20" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling.....	233.80	26.59
For Steel Construction, Deduct	-25.51	
For Grilles (No Damper), Deduct	-51.02	
For Removable Core, Add	35.00	
For Cube Core With Frame, Add	12.76	
For Cube Core Lay In, Add	25.51	
For Stainless Steel, Add	318.90	
23 37 13 00-0091 EA 32" x 40" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling.....	421.38	47.08
For Steel Construction, Deduct	-46.60	
For Grilles (No Damper), Deduct	-93.20	
For Removable Core, Add	35.00	
For Cube Core With Frame, Add	23.30	
For Cube Core Lay In, Add	46.60	
For Stainless Steel, Add	582.53	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 37 13 00-0092 EA 48" x 24" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling.....	440.05	46.05
<i>For Steel Construction, Deduct</i>	-53.48	
<i>For Grilles (No Damper), Deduct</i>	-106.95	
<i>For Removable Core, Add</i>	35.00	
<i>For Cube Core With Frame, Add</i>	26.74	
<i>For Cube Core Lay In, Add</i>	53.48	
<i>For Stainless Steel, Add</i>	668.45	
23 37 13 00-0093 Return/Exhaust Registers Removable-Reversible <small>(23 37 13 00-0068)</small>		
Note: Double deflection core and opposed blade damper radiused frame with boarder aluminum construction.		
23 37 13 00-0094 EA 8" x 4" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	72.81	9.21
<i>For Steel Construction, Deduct</i>	-3.71	
<i>For Flat Frame, Deduct</i>	-0.37	
<i>For Grilles (No Damper), Deduct</i>	-7.42	
<i>For Stainless Steel, Add</i>	92.70	
23 37 13 00-0095 EA 8" x 6" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	72.81	9.21
<i>For Steel Construction, Deduct</i>	-3.71	
<i>For Flat Frame, Deduct</i>	-0.37	
<i>For Grilles (No Damper), Deduct</i>	-7.42	
<i>For Stainless Steel, Add</i>	92.70	
23 37 13 00-0096 EA 10" x 6" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	88.34	10.36
<i>For Steel Construction, Deduct</i>	-4.69	
<i>For Flat Frame, Deduct</i>	-0.47	
<i>For Grilles (No Damper), Deduct</i>	-9.38	
<i>For Stainless Steel, Add</i>	117.25	
23 37 13 00-0097 EA 10" x 10" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	101.63	12.66
<i>For Steel Construction, Deduct</i>	-5.34	
<i>For Flat Frame, Deduct</i>	-0.53	
<i>For Grilles (No Damper), Deduct</i>	-10.69	
<i>For Stainless Steel, Add</i>	133.60	
23 37 13 00-0098 EA 12" x 6" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	100.54	11.51
<i>For Steel Construction, Deduct</i>	-5.24	
<i>For Flat Frame, Deduct</i>	-0.52	
<i>For Grilles (No Damper), Deduct</i>	-10.47	
<i>For Stainless Steel, Add</i>	130.88	
23 37 13 00-0099 EA 12" x 12" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	129.00	14.96
<i>For Steel Construction, Deduct</i>	-6.98	
<i>For Flat Frame, Deduct</i>	-0.70	
<i>For Grilles (No Damper), Deduct</i>	-13.96	
<i>For Stainless Steel, Add</i>	174.50	
23 37 13 00-0100 EA 16" x 16" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	197.60	18.42
<i>For Steel Construction, Deduct</i>	-12.62	
<i>For Flat Frame, Deduct</i>	-1.26	
<i>For Grilles (No Damper), Deduct</i>	-25.23	
<i>For Stainless Steel, Add</i>	315.38	
23 37 13 00-0101 EA 18" x 18" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	236.66	20.72
<i>For Steel Construction, Deduct</i>	-15.38	
<i>For Flat Frame, Deduct</i>	-1.54	
<i>For Grilles (No Damper), Deduct</i>	-30.76	
<i>For Stainless Steel, Add</i>	384.45	
23 37 13 00-0102 EA 20" x 20" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	265.69	23.02
<i>For Steel Construction, Deduct</i>	-17.56	
<i>For Flat Frame, Deduct</i>	-1.76	
<i>For Grilles (No Damper), Deduct</i>	-35.12	
<i>For Stainless Steel, Add</i>	439.00	
23 37 13 00-0103 EA 24" x 12" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	229.42	23.02
<i>For Steel Construction, Deduct</i>	-13.52	
<i>For Flat Frame, Deduct</i>	-1.35	
<i>For Grilles (No Damper), Deduct</i>	-27.05	
<i>For Stainless Steel, Add</i>	338.10	
23 37 13 00-0104 EA 24" x 18" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	294.86	24.17
<i>For Steel Construction, Deduct</i>	-20.07	
<i>For Flat Frame, Deduct</i>	-2.01	
<i>For Grilles (No Damper), Deduct</i>	-40.14	
<i>For Stainless Steel, Add</i>	501.70	
23 37 13 00-0105 EA 24" x 24" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	341.36	26.47
<i>For Steel Construction, Deduct</i>	-23.78	
<i>For Flat Frame, Deduct</i>	-2.38	
<i>For Grilles (No Damper), Deduct</i>	-47.55	
<i>For Stainless Steel, Add</i>	594.40	
23 37 13 00-0106 EA 30" x 12" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	274.83	27.63
<i>For Steel Construction, Deduct</i>	-16.58	
<i>For Flat Frame, Deduct</i>	-1.66	
<i>For Grilles (No Damper), Deduct</i>	-33.16	
<i>For Stainless Steel, Add</i>	414.45	
23 37 13 00-0107 EA 30" x 18" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	366.20	31.08
<i>For Steel Construction, Deduct</i>	-24.43	
<i>For Flat Frame, Deduct</i>	-2.44	
<i>For Grilles (No Damper), Deduct</i>	-48.86	
<i>For Stainless Steel, Add</i>	610.78	
23 37 13 00-0108 EA 30" x 24" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	441.39	36.83
<i>For Steel Construction, Deduct</i>	-29.34	
<i>For Flat Frame, Deduct</i>	-2.93	
<i>For Grilles (No Damper), Deduct</i>	-58.68	
<i>For Stainless Steel, Add</i>	733.48	

23 Heating, Ventilating, And Air-Conditioning (HVAC)

23 30 HVAC Air Distribution

23 37 Air Outlets And Inlets



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 37 13 00-0109	EA		30" x 30" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	496.46	36.83
			<i>For Steel Construction, Deduct</i>	-34.85	
			<i>For Flat Frame, Deduct</i>	-3.48	
			<i>For Grilles (No Damper), Deduct</i>	-69.69	
			<i>For Stainless Steel, Add</i>	871.15	
23 37 13 00-0110	EA		36" x 12" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	363.33	39.14
			<i>For Steel Construction, Deduct</i>	-20.40	
			<i>For Flat Frame, Deduct</i>	-2.04	
			<i>For Grilles (No Damper), Deduct</i>	-40.79	
			<i>For Stainless Steel, Add</i>	509.88	
23 37 13 00-0111	EA		36" x 18" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	468.04	39.14
			<i>For Steel Construction, Deduct</i>	-30.87	
			<i>For Flat Frame, Deduct</i>	-3.09	
			<i>For Grilles (No Damper), Deduct</i>	-61.73	
			<i>For Stainless Steel, Add</i>	771.65	
23 37 13 00-0112	EA		36" x 24" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	536.95	43.74
			<i>For Steel Construction, Deduct</i>	-36.43	
			<i>For Flat Frame, Deduct</i>	-3.64	
			<i>For Grilles (No Damper), Deduct</i>	-72.86	
			<i>For Stainless Steel, Add</i>	910.70	
23 37 13 00-0113	EA		36" x 30" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	621.91	47.20
			<i>For Steel Construction, Deduct</i>	-43.35	
			<i>For Flat Frame, Deduct</i>	-4.34	
			<i>For Grilles (No Damper), Deduct</i>	-86.71	
			<i>For Stainless Steel, Add</i>	1,083.85	
23 37 13 00-0114	EA		36" x 36" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	652.44	47.20
			<i>For Steel Construction, Deduct</i>	-46.41	
			<i>For Flat Frame, Deduct</i>	-4.64	
			<i>For Grilles (No Damper), Deduct</i>	-92.81	
			<i>For Stainless Steel, Add</i>	1,160.18	

23 37 13 00-0115 Aluminum Eggcrate Ceiling Return Air And Exhaust Grilles (23 37 13 00-0068)

23 37 13 00-0116	EA		6" x 6" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	45.53	11.23
23 37 13 00-0117	EA		8" x 4" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	45.53	11.23
23 37 13 00-0118	EA		8" x 6" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	48.17	11.23
23 37 13 00-0119	EA		8" x 8" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	49.22	11.23
23 37 13 00-0120	EA		10" x 4" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	48.17	11.23
23 37 13 00-0121	EA		10" x 6" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	49.22	11.23
23 37 13 00-0122	EA		10" x 8" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	60.87	14.73
23 37 13 00-0123	EA		10" x 10" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	61.93	14.73
23 37 13 00-0124	EA		12" x 6" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	59.81	14.73
23 37 13 00-0125	EA		12" x 8" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	61.93	14.73
23 37 13 00-0126	EA		12" x 10" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	62.98	14.73
23 37 13 00-0127	EA		12" x 12" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	64.04	14.73
23 37 13 00-0128	EA		14" x 6" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	62.45	14.73
23 37 13 00-0129	EA		14" x 8" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	64.56	14.73
23 37 13 00-0130	EA		14" x 10" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	65.62	14.73
23 37 13 00-0131	EA		14" x 14" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	70.37	14.73
23 37 13 00-0132	EA		16" x 8" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	64.56	14.73
23 37 13 00-0133	EA		16" x 10" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	68.26	14.73
23 37 13 00-0134	EA		16" x 12" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	70.37	14.73
23 37 13 00-0135	EA		16" x 14" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	94.20	21.72
23 37 13 00-0136	EA		16" x 16" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	95.25	21.72
23 37 13 00-0137	EA		18" x 12" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	93.14	21.72
23 37 13 00-0138	EA		18" x 18" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	112.20	25.22
23 37 13 00-0139	EA		20" x 10" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	92.09	21.72
23 37 13 00-0140	EA		20" x 20" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	117.47	25.22
23 37 13 00-0141	EA		22" x 4" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	63.51	14.73
23 37 13 00-0142	EA		22" x 10" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	93.14	21.72
23 37 13 00-0143	EA		22" x 22" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	132.30	28.72
23 37 13 00-0144	EA		24" x 8" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	92.09	21.72
23 37 13 00-0145	EA		24" x 10" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	94.20	21.72
23 37 13 00-0146	EA		24" x 12" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	109.03	25.22
			<i>For Lay-In Installation, Deduct</i>	-53.26	
23 37 13 00-0147	EA		24" x 14" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	112.20	25.22
23 37 13 00-0148	EA		24" x 16" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	125.96	28.72
23 37 13 00-0149	EA		24" x 18" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	129.13	28.72
23 37 13 00-0150	EA		24" x 20" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	132.82	28.72
23 37 13 00-0151	EA		24" x 24" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	139.69	28.72
			<i>For Lay-In Installation, Deduct</i>	-60.98	
23 37 13 00-0152	EA		30" x 8" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	110.61	25.22
23 37 13 00-0153	EA		48" x 12" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	166.63	31.48
23 37 13 00-0154	EA		48" x 24" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	264.35	38.47
			<i>For Lay-In Installation, Deduct</i>	-87.78	

23 37 13 00-0155 Supply Registers and Grilles (23 37 13)

23 37 13 00-0156 Adjustable Curved Blade Register (23 37 13 00-0155)

Note: Ceiling mount aluminum construction four way pattern flush frame.



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 37 13 00-0157 EA 6" x 6" Adjustable Curved Blade Register, Ceiling Mounted, Aluminum Construction, 4-Way Pattern	67.45	9.21
<i>For Steel Construction, Deduct</i>	-4.77	
<i>For Lay In Frame, Deduct</i>	-7.95	
<i>For Three Way Pattern, Deduct</i>	-3.18	
<i>For Two Way Pattern, Deduct</i>	-2.54	
<i>For One Way Pattern, Deduct</i>	-2.54	
<i>For Grille (No Damper), Deduct</i>	-4.77	
<i>For Stainless Steel, Add</i>	79.45	
23 37 13 00-0158 EA 8" x 8" Adjustable Curved Blade Register, Ceiling Mounted, Aluminum Construction, 4-Way Pattern	69.32	9.21
<i>For Steel Construction, Deduct</i>	-5.05	
<i>For Lay In Frame, Deduct</i>	-8.41	
<i>For Three Way Pattern, Deduct</i>	-3.37	
<i>For Two Way Pattern, Deduct</i>	-2.69	
<i>For One Way Pattern, Deduct</i>	-2.69	
<i>For Grille (No Damper), Deduct</i>	-5.05	
<i>For Stainless Steel, Add</i>	84.13	
23 37 13 00-0159 EA 12" x 6" Adjustable Curved Blade Register, Ceiling Mounted, Aluminum Construction, 4-Way Pattern	80.08	12.66
<i>For Steel Construction, Deduct</i>	-4.77	
<i>For Lay In Frame, Deduct</i>	-7.95	
<i>For Three Way Pattern, Deduct</i>	-3.18	
<i>For Two Way Pattern, Deduct</i>	-2.54	
<i>For One Way Pattern, Deduct</i>	-2.54	
<i>For Grille (No Damper), Deduct</i>	-4.77	
<i>For Stainless Steel, Add</i>	79.45	
23 37 13 00-0160 EA 10" x 10" Adjustable Curved Blade Register, Ceiling Mounted, Aluminum Construction, 4-Way Pattern	86.94	11.51
<i>For Steel Construction, Deduct</i>	-5.80	
<i>For Lay In Frame, Deduct</i>	-9.66	
<i>For Three Way Pattern, Deduct</i>	-3.86	
<i>For Two Way Pattern, Deduct</i>	-3.09	
<i>For One Way Pattern, Deduct</i>	-3.09	
<i>For Grille (No Damper), Deduct</i>	-5.80	
<i>For Stainless Steel, Add</i>	96.60	
23 37 13 00-0161 EA 12" x 12" Adjustable Curved Blade Register, Ceiling Mounted, Aluminum Construction, 4-Way Pattern	104.81	14.96
<i>For Steel Construction, Deduct</i>	-6.92	
<i>For Lay In Frame, Deduct</i>	-11.53	
<i>For Three Way Pattern, Deduct</i>	-4.61	
<i>For Two Way Pattern, Deduct</i>	-3.69	
<i>For One Way Pattern, Deduct</i>	-3.69	
<i>For Grille (No Damper), Deduct</i>	-6.92	
<i>For Stainless Steel, Add</i>	115.30	
23 37 13 00-0162 EA 14" x 14" Adjustable Curved Blade Register, Ceiling Mounted, Aluminum Construction, 4-Way Pattern	128.79	17.27
<i>For Steel Construction, Deduct</i>	-8.60	
<i>For Lay In Frame, Deduct</i>	-14.34	
<i>For Three Way Pattern, Deduct</i>	-5.73	
<i>For Two Way Pattern, Deduct</i>	-4.59	
<i>For One Way Pattern, Deduct</i>	-4.59	
<i>For Grille (No Damper), Deduct</i>	-8.60	
<i>For Stainless Steel, Add</i>	143.35	
23 37 13 00-0163 EA 16" x 16" Adjustable Curved Blade Register, Ceiling Mounted, Aluminum Construction, 4-Way Pattern	128.79	17.27
<i>For Steel Construction, Deduct</i>	-8.60	
<i>For Lay In Frame, Deduct</i>	-14.34	
<i>For Three Way Pattern, Deduct</i>	-5.73	
<i>For Two Way Pattern, Deduct</i>	-4.59	
<i>For One Way Pattern, Deduct</i>	-4.59	
<i>For Grille (No Damper), Deduct</i>	-8.60	
<i>For Stainless Steel, Add</i>	143.35	
23 37 13 00-0164 EA 18" x 18" Adjustable Curved Blade Register, Ceiling Mounted, Aluminum Construction, 4-Way Pattern	159.50	23.02
<i>For Steel Construction, Deduct</i>	-10.47	
<i>For Lay In Frame, Deduct</i>	-17.45	
<i>For Three Way Pattern, Deduct</i>	-6.98	
<i>For Two Way Pattern, Deduct</i>	-5.58	
<i>For One Way Pattern, Deduct</i>	-5.58	
<i>For Grille (No Damper), Deduct</i>	-10.47	
<i>For Stainless Steel, Add</i>	174.50	
23 37 13 00-0165 EA 24" x 24" Adjustable Curved Blade Register, Ceiling Mounted, Aluminum Construction, 4-Way Pattern	199.51	24.17
<i>For Steel Construction, Deduct</i>	-15.80	
<i>For Lay In Frame, Deduct</i>	-26.33	
<i>For Three Way Pattern, Deduct</i>	-10.53	
<i>For Two Way Pattern, Deduct</i>	-8.43	
<i>For One Way Pattern, Deduct</i>	-8.43	
<i>For Grille (No Damper), Deduct</i>	-15.80	
<i>For Stainless Steel, Add</i>	263.33	
23 37 13 00-0166 EA 30" x 30" Adjustable Curved Blade Register, Ceiling Mounted, Aluminum Construction, 4-Way Pattern	299.87	48.80
<i>For Steel Construction, Deduct</i>	-30.34	
<i>For Lay In Frame, Deduct</i>	-50.56	
<i>For Three Way Pattern, Deduct</i>	-20.22	
<i>For Two Way Pattern, Deduct</i>	-16.18	
<i>For One Way Pattern, Deduct</i>	-16.18	
<i>For Grille (No Damper), Deduct</i>	-30.34	
<i>For Stainless Steel, Add</i>	505.60	

23 37 13 00-0167 Removable-Reversible Core Registers (23 37 13 00-0155)
 Note: Double deflection radiused frame aluminum construction.

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 37 Air Outlets And Inlets**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 37 13 00-0168 EA 6" x 6" Removable/Reversible Core Register, Double Deflection, Radiused Aluminum Frame	75.56	9.21
For Steel Construction, Deduct	-3.99	
For Flat Frame, Deduct	-3.99	
For Grille (No Damper), Deduct	-11.97	
For Stainless Steel, Add	99.73	
23 37 13 00-0169 EA 8" x 8" Removable/Reversible Core Register, Double Deflection, Radiused Aluminum Frame	91.76	9.21
For Steel Construction, Deduct	-5.61	
For Flat Frame, Deduct	-5.61	
For Grille (No Damper), Deduct	-16.83	
For Stainless Steel, Add	140.23	
23 37 13 00-0170 EA 12" x 6" Removable/Reversible Core Register, Double Deflection, Radiused Aluminum Frame	118.10	12.66
For Steel Construction, Deduct	-6.98	
For Flat Frame, Deduct	-6.98	
For Grille (No Damper), Deduct	-20.94	
For Stainless Steel, Add	174.50	
23 37 13 00-0171 EA 10" x 10" Removable/Reversible Core Register, Double Deflection, Radiused Aluminum Frame	119.35	12.66
For Steel Construction, Deduct	-7.11	
For Flat Frame, Deduct	-7.11	
For Grille (No Damper), Deduct	-21.32	
For Stainless Steel, Add	177.63	
23 37 13 00-0172 EA 12" x 12" Removable/Reversible Core Register, Double Deflection, Radiused Aluminum Frame	150.93	14.96
For Steel Construction, Deduct	-9.22	
For Flat Frame, Deduct	-9.22	
For Grille (No Damper), Deduct	-27.67	
For Stainless Steel, Add	230.60	
23 37 13 00-0173 EA 14" x 14" Removable/Reversible Core Register, Double Deflection, Radiused Aluminum Frame	209.81	18.42
For Steel Construction, Deduct	-13.84	
For Flat Frame, Deduct	-13.84	
For Grille (No Damper), Deduct	-41.51	
For Stainless Steel, Add	345.90	
23 37 13 00-0174 EA 16" x 16" Removable/Reversible Core Register, Double Deflection, Radiused Aluminum Frame	232.24	17.27
For Steel Construction, Deduct	-16.08	
For Flat Frame, Deduct	-16.08	
For Grille (No Damper), Deduct	-48.24	
For Stainless Steel, Add	401.98	
23 37 13 00-0175 EA 18" x 18" Removable/Reversible Core Register, Double Deflection, Radiused Aluminum Frame	281.66	23.02
For Steel Construction, Deduct	-19.20	
For Flat Frame, Deduct	-19.20	
For Grille (No Damper), Deduct	-57.59	
For Stainless Steel, Add	479.90	
23 37 13 00-0176 EA 24" x 24" Removable/Reversible Core Register, Double Deflection, Radiused Aluminum Frame	347.21	23.02
For Steel Construction, Deduct	-25.30	
For Flat Frame, Deduct	-25.30	
For Grille (No Damper), Deduct	-75.91	
For Stainless Steel, Add	632.58	
23 37 13 00-0177 Adjustable Shutter Blade Registers (23 37 13 00-0155)		
Note: Double deflection flat frame aluminum construction.		
23 37 13 00-0178 EA 6" x 6" Adjustable Shutter Blade Register, Double Deflection, Flat Aluminum Frame.....	108.38	9.21
For Steel Construction, Deduct	-7.27	
For Single Deflection, Deduct	-14.54	
For Grille (No Damper), Deduct	-10.91	
For Stainless Steel, Add	181.78	
23 37 13 00-0179 EA 8" x 8" Adjustable Shutter Blade Register, Double Deflection, Flat Aluminum Frame.....	122.92	9.21
For Steel Construction, Deduct	-8.73	
For Single Deflection, Deduct	-17.45	
For Grille (No Damper), Deduct	-13.09	
For Stainless Steel, Add	218.13	
23 37 13 00-0180 EA 12" x 6" Adjustable Shutter Blade Register, Double Deflection, Flat Aluminum Frame.....	135.55	12.66
For Steel Construction, Deduct	-8.73	
For Single Deflection, Deduct	-17.45	
For Grille (No Damper), Deduct	-13.09	
For Stainless Steel, Add	218.13	
23 37 13 00-0181 EA 10" x 10" Adjustable Shutter Blade Register, Double Deflection, Flat Aluminum Frame.....	139.71	11.51
For Steel Construction, Deduct	-9.14	
For Single Deflection, Deduct	-18.28	
For Grille (No Damper), Deduct	-13.71	
For Stainless Steel, Add	228.53	
23 37 13 00-0182 EA 12" x 12" Adjustable Shutter Blade Register, Double Deflection, Flat Aluminum Frame.....	170.87	14.96
For Steel Construction, Deduct	-11.22	
For Single Deflection, Deduct	-22.44	
For Grille (No Damper), Deduct	-16.83	
For Stainless Steel, Add	280.45	
23 37 13 00-0183 EA 14" x 14" Adjustable Shutter Blade Register, Double Deflection, Flat Aluminum Frame.....	225.18	17.27
For Steel Construction, Deduct	-15.37	
For Single Deflection, Deduct	-30.75	
For Grille (No Damper), Deduct	-23.06	
For Stainless Steel, Add	384.33	
23 37 13 00-0184 EA 16" x 16" Adjustable Shutter Blade Register, Double Deflection, Flat Aluminum Frame.....	260.50	18.42
For Steel Construction, Deduct	-18.91	
For Single Deflection, Deduct	-37.81	
For Grille (No Damper), Deduct	-28.36	
For Stainless Steel, Add	472.63	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 37 13 00-0185 EA 18" x 18" Adjustable Shutter Blade Register, Double Deflection, Flat Aluminum Frame	322.37	23.02
For Steel Construction, Deduct	-23.27	
For Single Deflection, Deduct	-46.53	
For Grille (No Damper), Deduct	-34.90	
For Stainless Steel, Add	581.68	
23 37 13 00-0186 EA 24" x 24" Adjustable Shutter Blade Register, Double Deflection, Flat Aluminum Frame	432.80	24.17
For Steel Construction, Deduct	-33.86	
For Single Deflection, Deduct	-67.72	
For Grille (No Damper), Deduct	-50.79	
For Stainless Steel, Add	846.55	
23 37 13 00-0187 Air Conditioning And Ventilation (23 37 13 00-0155)		
23 37 13 00-0188 EA 10" x 16" Egg Crate Wall Return Air Or Exhaust Grille, Aluminum Construction	61.66	24.17
For Stainless Steel, Add	33.40	
23 37 13 00-0189 EA 18" x 12" Egg Crate Wall Return Air Or Exhaust Grille, Aluminum Construction	98.67	35.97
For Stainless Steel, Add	66.80	
23 37 13 00-0190 EA 30" x 12" Egg Crate Wall Return Air Or Exhaust Grille, Aluminum Construction	145.25	50.36
For Stainless Steel, Add	111.33	
23 37 13 00-0191 EA 48" x 24" Egg Crate Wall Return Air Or Exhaust Grille, Aluminum Construction	285.09	69.06
For Stainless Steel, Add	367.38	
23 37 13 00-0192 Security Supply Or Return Grille (23 37 13 00-0155)		
Note: Designed for maximum security applications, 3/16" steel face plate with 2" x 2" square holes, 1/4" steel backer plate, 3/16" welded steel sleeve, 10 gauge x 2 wire mesh between face and backer plates, 1" x 1" x 3/16" angle iron frame, standard finish.		
23 37 13 00-0193 EA 8" x 4" Steel Security Grille	152.81	17.27
For Anchoring Tabs, Add	11.83	
For Angle Iron Frame, Add	21.20	
For Rear Operated Opposed Blade Damper, Add	44.85	
For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
For 1" x 1" Square Holes On Face, Add	29.57	
For Stainless Steel, Add	153.76	
23 37 13 00-0194 EA 8" x 6" Steel Security Grille	168.31	17.84
For Anchoring Tabs, Add	13.26	
For Angle Iron Frame, Add	23.46	
For Rear Operated Opposed Blade Damper, Add	49.99	
For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
For 1" x 1" Square Holes On Face, Add	33.16	
For Stainless Steel, Add	172.41	
23 37 13 00-0195 EA 8" x 8" Steel Security Grille	192.62	20.15
For Anchoring Tabs, Add	15.23	
For Angle Iron Frame, Add	26.88	
For Rear Operated Opposed Blade Damper, Add	57.34	
For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
For 1" x 1" Square Holes On Face, Add	38.08	
For Stainless Steel, Add	198.03	
23 37 13 00-0196 EA 10" x 4" Steel Security Grille	169.97	19.57
For Anchoring Tabs, Add	13.08	
For Angle Iron Frame, Add	23.54	
For Rear Operated Opposed Blade Damper, Add	49.70	
For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
For 1" x 1" Square Holes On Face, Add	32.71	
For Stainless Steel, Add	170.07	
23 37 13 00-0197 EA 10" x 6" Steel Security Grille	181.24	20.72
For Anchoring Tabs, Add	13.98	
For Angle Iron Frame, Add	25.11	
For Rear Operated Opposed Blade Damper, Add	53.07	
For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
For 1" x 1" Square Holes On Face, Add	34.95	
For Stainless Steel, Add	181.73	
23 37 13 00-0198 EA 10" x 8" Steel Security Grille	206.19	22.45
For Anchoring Tabs, Add	16.13	
For Angle Iron Frame, Add	28.68	
For Rear Operated Opposed Blade Damper, Add	60.94	
For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
For 1" x 1" Square Holes On Face, Add	40.32	
For Stainless Steel, Add	209.68	
23 37 13 00-0199 EA 10" x 10" Steel Security Grille	229.35	24.18
For Anchoring Tabs, Add	18.10	
For Angle Iron Frame, Add	31.99	
For Rear Operated Opposed Blade Damper, Add	68.19	
For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
For 1" x 1" Square Holes On Face, Add	45.25	
For Stainless Steel, Add	235.30	
23 37 13 00-0200 EA 12" x 4" Steel Security Grille	179.95	21.87
For Anchoring Tabs, Add	13.62	
For Angle Iron Frame, Add	24.81	
For Rear Operated Opposed Blade Damper, Add	52.05	
For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
For 1" x 1" Square Holes On Face, Add	34.05	
For Stainless Steel, Add	177.06	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 37 Air Outlets And Inlets**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 37 13 00-0201	EA		12" x 6" Steel Security Grille	200.68	24.18
			<i>For Anchoring Tabs, Add</i>	15.23	
			<i>For Angle Iron Frame, Add</i>	27.68	
			<i>For Rear Operated Opposed Blade Damper, Add</i>	58.15	
			<i>For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add</i>	0.35	
			<i>For 1" x 1" Square Holes On Face, Add</i>	38.08	
			<i>For Stainless Steel, Add</i>	198.03	
23 37 13 00-0202	EA		12" x 8" Steel Security Grille	227.44	25.90
			<i>For Anchoring Tabs, Add</i>	17.56	
			<i>For Angle Iron Frame, Add</i>	31.53	
			<i>For Rear Operated Opposed Blade Damper, Add</i>	66.65	
			<i>For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add</i>	0.35	
			<i>For 1" x 1" Square Holes On Face, Add</i>	43.91	
			<i>For Stainless Steel, Add</i>	228.32	
23 37 13 00-0203	EA		12" x 10" Steel Security Grille	247.02	27.63
			<i>For Anchoring Tabs, Add</i>	19.18	
			<i>For Angle Iron Frame, Add</i>	34.29	
			<i>For Rear Operated Opposed Blade Damper, Add</i>	72.64	
			<i>For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add</i>	0.35	
			<i>For 1" x 1" Square Holes On Face, Add</i>	47.94	
			<i>For Stainless Steel, Add</i>	249.29	
23 37 13 00-0204	EA		12" x 12" Steel Security Grille	271.97	29.36
			<i>For Anchoring Tabs, Add</i>	21.33	
			<i>For Angle Iron Frame, Add</i>	37.86	
			<i>For Rear Operated Opposed Blade Damper, Add</i>	80.51	
			<i>For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add</i>	0.35	
			<i>For 1" x 1" Square Holes On Face, Add</i>	53.32	
			<i>For Stainless Steel, Add</i>	277.24	
23 37 13 00-0205	EA		14" x 4" Steel Security Grille	192.36	23.60
			<i>For Anchoring Tabs, Add</i>	14.52	
			<i>For Angle Iron Frame, Add</i>	26.49	
			<i>For Rear Operated Opposed Blade Damper, Add</i>	55.53	
			<i>For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add</i>	0.35	
			<i>For 1" x 1" Square Holes On Face, Add</i>	36.29	
			<i>For Stainless Steel, Add</i>	188.71	
23 37 13 00-0206	EA		14" x 6" Steel Security Grille	215.52	25.33
			<i>For Anchoring Tabs, Add</i>	16.49	
			<i>For Angle Iron Frame, Add</i>	29.80	
			<i>For Rear Operated Opposed Blade Damper, Add</i>	62.77	
			<i>For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add</i>	0.35	
			<i>For 1" x 1" Square Holes On Face, Add</i>	41.22	
			<i>For Stainless Steel, Add</i>	214.33	
23 37 13 00-0207	EA		14" x 8" Steel Security Grille	239.85	27.63
			<i>For Anchoring Tabs, Add</i>	18.46	
			<i>For Angle Iron Frame, Add</i>	33.21	
			<i>For Rear Operated Opposed Blade Damper, Add</i>	70.13	
			<i>For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add</i>	0.35	
			<i>For 1" x 1" Square Holes On Face, Add</i>	46.15	
			<i>For Stainless Steel, Add</i>	239.97	
23 37 13 00-0208	EA		14" x 10" Steel Security Grille	269.55	29.93
			<i>For Anchoring Tabs, Add</i>	20.97	
			<i>For Angle Iron Frame, Add</i>	37.44	
			<i>For Rear Operated Opposed Blade Damper, Add</i>	79.38	
			<i>For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add</i>	0.35	
			<i>For 1" x 1" Square Holes On Face, Add</i>	52.42	
			<i>For Stainless Steel, Add</i>	272.58	
23 37 13 00-0209	EA		14" x 12" Steel Security Grille	296.80	32.82
			<i>For Anchoring Tabs, Add</i>	23.12	
			<i>For Angle Iron Frame, Add</i>	41.24	
			<i>For Rear Operated Opposed Blade Damper, Add</i>	87.48	
			<i>For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add</i>	0.35	
			<i>For 1" x 1" Square Holes On Face, Add</i>	57.80	
			<i>For Stainless Steel, Add</i>	300.53	
23 37 13 00-0210	EA		14" x 14" Steel Security Grille	319.32	35.12
			<i>For Anchoring Tabs, Add</i>	24.91	
			<i>For Angle Iron Frame, Add</i>	44.39	
			<i>For Rear Operated Opposed Blade Damper, Add</i>	94.21	
			<i>For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add</i>	0.35	
			<i>For 1" x 1" Square Holes On Face, Add</i>	62.28	
			<i>For Stainless Steel, Add</i>	323.83	
23 37 13 00-0211	EA		16" x 6" Steel Security Grille	230.89	27.63
			<i>For Anchoring Tabs, Add</i>	17.56	
			<i>For Angle Iron Frame, Add</i>	31.87	
			<i>For Rear Operated Opposed Blade Damper, Add</i>	67.00	
			<i>For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add</i>	0.35	
			<i>For 1" x 1" Square Holes On Face, Add</i>	43.91	
			<i>For Stainless Steel, Add</i>	228.32	
23 37 13 00-0212	EA		16" x 8" Steel Security Grille	262.38	29.93
			<i>For Anchoring Tabs, Add</i>	20.25	
			<i>For Angle Iron Frame, Add</i>	36.36	
			<i>For Rear Operated Opposed Blade Damper, Add</i>	76.87	
			<i>For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add</i>	0.35	
			<i>For 1" x 1" Square Holes On Face, Add</i>	50.63	
			<i>For Stainless Steel, Add</i>	263.26	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 37 13 00-0213 EA 16" x 10" Steel Security Grille	283.11	32.23
For Anchoring Tabs, Add	21.86	
For Angle Iron Frame, Add	39.24	
For Rear Operated Opposed Blade Damper, Add	82.97	
For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
For 1" x 1" Square Holes On Face, Add	54.66	
For Stainless Steel, Add	284.23	
23 37 13 00-0214 EA 16" x 12" Steel Security Grille	317.02	33.96
For Anchoring Tabs, Add	24.91	
For Angle Iron Frame, Add	44.16	
For Rear Operated Opposed Blade Damper, Add	93.98	
For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
For 1" x 1" Square Holes On Face, Add	62.28	
For Stainless Steel, Add	323.83	
23 37 13 00-0215 EA 16" x 14" Steel Security Grille	335.97	36.26
For Anchoring Tabs, Add	26.34	
For Angle Iron Frame, Add	46.77	
For Rear Operated Opposed Blade Damper, Add	99.46	
For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
For 1" x 1" Square Holes On Face, Add	65.86	
For Stainless Steel, Add	342.47	
23 37 13 00-0216 EA 16" x 16" Steel Security Grille	363.87	38.57
For Anchoring Tabs, Add	28.67	
For Angle Iron Frame, Add	50.72	
For Rear Operated Opposed Blade Damper, Add	108.07	
For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
For 1" x 1" Square Holes On Face, Add	71.69	
For Stainless Steel, Add	372.76	
23 37 13 00-0217 EA 18" x 6" Steel Security Grille	246.76	31.09
For Anchoring Tabs, Add	18.46	
For Angle Iron Frame, Add	33.91	
For Rear Operated Opposed Blade Damper, Add	70.82	
For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
For 1" x 1" Square Holes On Face, Add	46.15	
For Stainless Steel, Add	239.97	
23 37 13 00-0218 EA 18" x 8" Steel Security Grille	280.03	33.39
For Anchoring Tabs, Add	21.33	
For Angle Iron Frame, Add	38.67	
For Rear Operated Opposed Blade Damper, Add	81.32	
For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
For 1" x 1" Square Holes On Face, Add	53.32	
For Stainless Steel, Add	277.24	
23 37 13 00-0219 EA 18" x 10" Steel Security Grille	306.15	35.69
For Anchoring Tabs, Add	23.48	
For Angle Iron Frame, Add	42.35	
For Rear Operated Opposed Blade Damper, Add	89.31	
For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
For 1" x 1" Square Holes On Face, Add	58.69	
For Stainless Steel, Add	305.20	
23 37 13 00-0220 EA 18" x 12" Steel Security Grille	335.84	37.99
For Anchoring Tabs, Add	25.99	
For Angle Iron Frame, Add	46.58	
For Rear Operated Opposed Blade Damper, Add	98.55	
For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
For 1" x 1" Square Holes On Face, Add	64.97	
For Stainless Steel, Add	337.82	
23 37 13 00-0221 EA 18" x 14" Steel Security Grille	356.20	37.42
For Anchoring Tabs, Add	28.14	
For Angle Iron Frame, Add	49.69	
For Rear Operated Opposed Blade Damper, Add	105.96	
For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
For 1" x 1" Square Holes On Face, Add	70.34	
For Stainless Steel, Add	365.77	
23 37 13 00-0222 EA 18" x 16" Steel Security Grille	388.32	39.15
For Anchoring Tabs, Add	31.00	
For Angle Iron Frame, Add	54.33	
For Rear Operated Opposed Blade Damper, Add	116.34	
For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
For 1" x 1" Square Holes On Face, Add	77.51	
For Stainless Steel, Add	403.05	
23 37 13 00-0223 EA 18" x 18" Steel Security Grille	415.07	40.87
For Anchoring Tabs, Add	33.33	
For Angle Iron Frame, Add	58.17	
For Rear Operated Opposed Blade Damper, Add	124.84	
For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
For 1" x 1" Square Holes On Face, Add	83.33	
For Stainless Steel, Add	433.33	
23 37 13 00-0224 EA 20" x 6" Steel Security Grille	265.05	33.96
For Anchoring Tabs, Add	19.71	
For Angle Iron Frame, Add	36.36	
For Rear Operated Opposed Blade Damper, Add	75.79	
For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
For 1" x 1" Square Holes On Face, Add	49.28	
For Stainless Steel, Add	256.27	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 37 Air Outlets And Inlets**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 37 13 00-0225	EA		20" x 8" Steel Security Grille	298.85	37.42
			For Anchoring Tabs, Add	22.40	
			For Angle Iron Frame, Add	41.09	
			For Rear Operated Opposed Blade Damper, Add	85.89	
			For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
			For 1" x 1" Square Holes On Face, Add	56.00	
			For Stainless Steel, Add	291.21	
23 37 13 00-0226	EA		20" x 10" Steel Security Grille	327.38	39.15
			For Anchoring Tabs, Add	24.91	
			For Angle Iron Frame, Add	45.19	
			For Rear Operated Opposed Blade Damper, Add	95.01	
			For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
			For 1" x 1" Square Holes On Face, Add	62.28	
			For Stainless Steel, Add	323.83	
23 37 13 00-0227	EA		20" x 12" Steel Security Grille	358.88	41.45
			For Anchoring Tabs, Add	27.60	
			For Angle Iron Frame, Add	49.69	
			For Rear Operated Opposed Blade Damper, Add	104.89	
			For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
			For 1" x 1" Square Holes On Face, Add	69.00	
			For Stainless Steel, Add	358.79	
23 37 13 00-0228	EA		20" x 14" Steel Security Grille	392.79	43.18
			For Anchoring Tabs, Add	30.65	
			For Angle Iron Frame, Add	54.60	
			For Rear Operated Opposed Blade Damper, Add	115.89	
			For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
			For 1" x 1" Square Holes On Face, Add	76.61	
			For Stainless Steel, Add	398.39	
23 37 13 00-0229	EA		20" x 16" Steel Security Grille	423.13	44.90
			For Anchoring Tabs, Add	33.33	
			For Angle Iron Frame, Add	58.98	
			For Rear Operated Opposed Blade Damper, Add	125.65	
			For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
			For 1" x 1" Square Holes On Face, Add	83.33	
			For Stainless Steel, Add	433.33	
23 37 13 00-0230	EA		20" x 18" Steel Security Grille	451.67	46.63
			For Anchoring Tabs, Add	35.84	
			For Angle Iron Frame, Add	63.09	
			For Rear Operated Opposed Blade Damper, Add	134.77	
			For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
			For 1" x 1" Square Holes On Face, Add	89.61	
			For Stainless Steel, Add	465.95	
23 37 13 00-0231	EA		20" x 20" Steel Security Grille	485.59	48.35
			For Anchoring Tabs, Add	38.89	
			For Angle Iron Frame, Add	68.00	
			For Rear Operated Opposed Blade Damper, Add	145.78	
			For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
			For 1" x 1" Square Holes On Face, Add	97.22	
			For Stainless Steel, Add	505.56	
23 37 13 00-0232	EA		24" x 6" Steel Security Grille	294.62	37.99
			For Anchoring Tabs, Add	21.86	
			For Angle Iron Frame, Add	40.39	
			For Rear Operated Opposed Blade Damper, Add	84.12	
			For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
			For 1" x 1" Square Holes On Face, Add	54.66	
			For Stainless Steel, Add	284.23	
23 37 13 00-0233	EA		24" x 8" Steel Security Grille	331.98	41.45
			For Anchoring Tabs, Add	24.91	
			For Angle Iron Frame, Add	45.65	
			For Rear Operated Opposed Blade Damper, Add	95.47	
			For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
			For 1" x 1" Square Holes On Face, Add	62.28	
			For Stainless Steel, Add	323.83	
23 37 13 00-0234	EA		24" x 10" Steel Security Grille	361.18	42.60
			For Anchoring Tabs, Add	27.60	
			For Angle Iron Frame, Add	49.92	
			For Rear Operated Opposed Blade Damper, Add	105.12	
			For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
			For 1" x 1" Square Holes On Face, Add	69.00	
			For Stainless Steel, Add	358.79	
23 37 13 00-0235	EA		24" x 12" Steel Security Grille	404.43	47.20
			For Anchoring Tabs, Add	31.00	
			For Angle Iron Frame, Add	55.95	
			For Rear Operated Opposed Blade Damper, Add	117.95	
			For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
			For 1" x 1" Square Holes On Face, Add	77.51	
			For Stainless Steel, Add	403.05	
23 37 13 00-0236	EA		24" x 14" Steel Security Grille	434.77	48.93
			For Anchoring Tabs, Add	33.69	
			For Angle Iron Frame, Add	60.32	
			For Rear Operated Opposed Blade Damper, Add	127.71	
			For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
			For 1" x 1" Square Holes On Face, Add	84.23	
			For Stainless Steel, Add	438.00	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 37 13 00-0237 EA 24" x 16" Steel Security Grille	472.27	50.66
For Anchoring Tabs, Add	37.10	
For Angle Iron Frame, Add	65.78	
For Rear Operated Opposed Blade Damper, Add	139.97	
For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
For 1" x 1" Square Holes On Face, Add	92.74	
For Stainless Steel, Add	482.26	
23 37 13 00-0238 EA 24" x 18" Steel Security Grille	515.14	52.39
For Anchoring Tabs, Add	41.04	
For Angle Iron Frame, Add	72.03	
For Rear Operated Opposed Blade Damper, Add	154.11	
For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
For 1" x 1" Square Holes On Face, Add	102.60	
For Stainless Steel, Add	533.51	
23 37 13 00-0239 EA 24" x 20" Steel Security Grille	545.48	54.11
For Anchoring Tabs, Add	43.73	
For Angle Iron Frame, Add	76.41	
For Rear Operated Opposed Blade Damper, Add	163.87	
For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
For 1" x 1" Square Holes On Face, Add	109.32	
For Stainless Steel, Add	568.46	
23 37 13 00-0240 EA 24" x 24" Steel Security Grille	609.72	57.56
For Anchoring Tabs, Add	49.46	
For Angle Iron Frame, Add	85.70	
For Rear Operated Opposed Blade Damper, Add	184.63	
For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
For 1" x 1" Square Holes On Face, Add	123.66	
For Stainless Steel, Add	643.01	
23 37 13 00-0241 Square Wall Return Air And Exhaust Grilles (23 37 13 00-0155)		
Note: Egg crate design aluminum construction.		
23 37 13 00-0242 EA 8" x 8" Egg Crate Wall Return Air Or Exhaust Grille, Aluminum Construction	65.59	28.79
23 37 13 00-0243 EA 12" x 12" Egg Crate Wall Return Air Or Exhaust Grille, Aluminum Construction	68.06	28.79
23 37 13 00-0244 EA 18" x 18" Egg Crate Wall Return Air Or Exhaust Grille, Aluminum Construction	101.79	43.18
23 37 13 00-0245 EA 24" x 24" Egg Crate Wall Return Air Or Exhaust Grille, Aluminum Construction	114.14	43.18
23 37 13 00-0246 EA 28" x 28" Egg Crate Wall Return Air Or Exhaust Grille, Aluminum Construction	170.71	57.56
23 37 13 00-0247 EA 36" x 36" Egg Crate Wall Return Air Or Exhaust Grille, Aluminum Construction	245.36	57.56
23 37 13 00-0248 Rectangular Four-Way Adjustable Deflection Wall Supply Grilles (23 37 13 00-0155)		
Note: Aluminum construction.		
23 37 13 00-0249 EA 12" x 6" 4-Way Adjustable Wall Supply Grille, Adjustable Deflection, Aluminum Construction	168.33	20.72
23 37 13 00-0250 EA 14" x 6" 4-Way Adjustable Wall Supply Grille, Adjustable Deflection, Aluminum Construction	187.03	20.72
23 37 13 00-0251 EA 18" x 8" 4-Way Adjustable Wall Supply Grille, Adjustable Deflection, Aluminum Construction	222.99	23.03
23 37 13 00-0252 EA 24" x 8" 4-Way Adjustable Wall Supply Grille, Adjustable Deflection, Aluminum Construction	256.20	23.03
23 37 13 00-0253 EA 36" x 20" 4-Way Adjustable Wall Supply Grille, Adjustable Deflection, Aluminum Construction	340.52	71.95
23 37 13 00-0254 Square Ceiling Return Air And Exhaust Grilles (23 37 13 00-0155)		
Note: Egg crate design, plastic construction.		
23 37 13 00-0255 EA 24" x 24" Egg Crate Ceiling Return Air Or Exhaust Grille, Plastic Construction	37.34	13.78
23 37 13 00-0256 EA 24" x 48" Egg Crate Ceiling Return Air Or Exhaust Grille, Plastic Construction	51.00	13.88
23 37 13 00-0257 Door Grilles Sight Proof Inverted Vee Cross Section (23 37 13 00-0155)		
Note: Painted steel louvers and frame.		
23 37 13 00-0258 EA 12" x 6" Sight Proof Door Grilles, Inverted Vee Cross Section, Painted Steel	97.27	20.72
23 37 13 00-0259 EA 12" x 12" Sight Proof Door Grilles, Inverted Vee Cross Section, Painted Steel	128.86	20.72
23 37 13 00-0260 EA 18" x 18" Sight Proof Door Grilles, Inverted Vee Cross Section, Painted Steel	151.71	21.87
23 37 13 00-0261 EA 24" x 24" Sight Proof Door Grilles, Inverted Vee Cross Section, Painted Steel	195.34	26.13
23 37 13 00-0262 EA 24" x 30" Sight Proof Door Grilles, Inverted Vee Cross Section, Painted Steel	219.53	48.01
23 37 13 00-0263 Stainless Steel Devices (23 37 13 00-0155)		
23 37 13 00-0264 304 Stainless Steel, Louvered Partition/Door Grilles (23 37 13 00-0263)		
23 37 13 00-0265 SF Up To 4 SF, 304 Stainless Steel, Louvered Partition/Door Grille	169.52	17.96
For 316 Stainless Steel, Add	27.92	
23 37 13 00-0266 SF >4 SF, 304 Stainless Steel, Louvered Partition/Door Grille	144.05	17.96
For 316 Stainless Steel, Add	22.82	
23 37 13 00-0267 304 Stainless Steel, Single Deflection Supply Grilles (23 37 13 00-0263)		
23 37 13 00-0268 SF Up To 4 SF, 304 Stainless Steel, Single Deflection Supply Grille	129.93	17.96
For 316 Stainless Steel, Add	20.00	
23 37 13 00-0269 SF >4 SF, 304 Stainless Steel, Single Deflection Supply Grille	111.41	17.96
For 316 Stainless Steel, Add	16.30	
23 37 13 00-0270 304 Stainless Steel, Double Deflection Supply Grilles (23 37 13 00-0263)		
23 37 13 00-0271 SF Up To 4 SF, 304 Stainless Steel, Double Deflection Supply Grille	187.23	17.96
For 316 Stainless Steel, Add	31.46	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 37 Air Outlets And Inlets**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 37 13 00-0272 SF >4 SF, 304 Stainless Steel, Double Deflection Supply Grille <i>For 316 Stainless Steel, Add</i>	160.49 26.11	17.96
23 37 13 00-0273 304 Stainless Steel Return Grilles (23 37 13 00-0263)		
23 37 13 00-0274 SF Up To 4 SF, 304 Stainless Steel Return Grille..... <i>For 316 Stainless Steel, Add</i>	129.93 20.00	17.96
23 37 13 00-0275 SF >4 SF, 304 Stainless Steel Return Grille..... <i>For 316 Stainless Steel, Add</i>	111.41 16.30	17.96
23 37 13 00-0276 304 Stainless Steel, Louvered Supply/Return Grilles (23 37 13 00-0263)		
23 37 13 00-0277 SF Up To 4 SF, 304 Stainless Steel, Louvered Supply/Return Grille..... <i>For 316 Stainless Steel, Add</i>	129.93 20.00	17.96
23 37 13 00-0278 SF >4 SF, 304 Stainless Steel, Louvered Supply/Return Grille..... <i>For 316 Stainless Steel, Add</i>	111.41 16.30	17.96
23 37 13 00-0279 304 Stainless Steel, Perforated Return Grilles (23 37 13 00-0263)		
23 37 13 00-0280 SF Up To 4 SF, 304 Stainless Steel, Perforated Return Grille..... <i>For 316 Stainless Steel, Add</i>	129.93 20.00	17.96
23 37 13 00-0281 SF >4 SF, 304 Stainless Steel, Perforated Return Grille..... <i>For 316 Stainless Steel, Add</i>	106.32 15.28	17.96
23 37 13 00-0282 304 Stainless Steel, Perforated Supply Grilles (23 37 13 00-0263)		
23 37 13 00-0283 SF Up To 4 SF, 304 Stainless Steel, Perforated Supply Grille..... <i>For 316 Stainless Steel, Add</i>	155.98 25.21	17.96
23 37 13 00-0284 SF >4 SF, 304 Stainless Steel, Perforated Supply Grille..... <i>For 316 Stainless Steel, Add</i>	109.03 15.82	17.96
23 37 13 00-0285 304 Stainless Steel, Door Grilles (23 37 13 00-0263)		
23 37 13 00-0286 SF Up To 4 SF, 304 Stainless Steel, Door Grille..... <i>For 316 Stainless Steel, Add</i>	229.94 40.00	17.96
23 37 13 00-0287 SF >4 SF, 304 Stainless Steel, Door Grille..... <i>For 316 Stainless Steel, Add</i>	192.91 32.60	17.96
23 37 13 00-0288 304 Stainless Steel, Linear Bar Grilles (23 37 13 00-0263)		
23 37 13 00-0289 SF Up To 4 SF, 304 Stainless Steel, Linear Bar Grille..... <i>For 316 Stainless Steel, Add</i>	292.09 52.43	17.96
23 37 13 00-0290 SF >4 SF, 304 Stainless Steel, Linear Bar Grille..... <i>For 316 Stainless Steel, Add</i>	251.00 44.21	17.96
23 37 13 00-0291 304 Stainless Steel, Hinged Filter Grilles (23 37 13 00-0263)		
23 37 13 00-0292 SF Up To 4 SF, 304 Stainless Steel, Hinged Filter Grille..... <i>For 316 Stainless Steel, Add</i>	216.40 37.29	17.96
23 37 13 00-0293 SF >4 SF, 304 Stainless Steel, Hinged Filter Grille..... <i>For 316 Stainless Steel, Add</i>	151.58 24.33	17.96
23 37 13 00-0294 304 Stainless Steel, Opposed Blade Dampers Grilles (23 37 13 00-0263)		
23 37 13 00-0295 SF Up To 4 SF, 304 Stainless Steel, Opposed Blade Dampers Grille..... <i>For 316 Stainless Steel, Add</i>	119.52 17.92	17.96
23 37 13 00-0296 SF Opposed Blade Dampers Grille, Stainless Steel 304, > 4 SF..... <i>For 316 Stainless Steel, Add</i>	92.55 12.52	17.96
23 37 13 00-0297 304 Stainless Steel, Plaster Frames Replacement (23 37 13 00-0263)		
Note: For frequent replacement.		
23 37 13 00-0298 SF To 4 SF, 304 Stainless Steel, Plaster Frames Replacement..... <i>For 316 Stainless Steel, Add</i>	94.52 12.92	17.96
23 37 13 00-0299 SF >4 SF, 304 Stainless Steel, Plaster Frames Replacement..... <i>For 316 Stainless Steel, Add</i>	53.19 4.65	17.96
23 37 13 00-0300 304 Stainless Steel, Modular Louvered Ceiling Diffusers (23 37 13 00-0263)		
23 37 13 00-0301 SF Up To 4 SF, 304 Stainless Steel, Modular Louvered Ceiling Diffuser..... <i>For 316 Stainless Steel, Add</i>	213.27 36.67	17.96
23 37 13 00-0302 SF >4 SF, 304 Stainless Steel, Modular Louvered Ceiling Diffuser..... <i>For 316 Stainless Steel, Add</i>	168.25 27.66	17.96
23 37 13 00-0303 304 Stainless Steel, Latticed Supply/Return Grilles (23 37 13 00-0263)		
23 37 13 00-0304 SF Up To 4 SF, 304 Stainless Steel, Latticed Supply/Return Grille..... <i>For 316 Stainless Steel, Add</i>	78.89 9.79	17.96
23 37 13 00-0305 SF >4 SF, 304 Stainless Steel, Latticed Supply/Return Grille..... <i>For 316 Stainless Steel, Add</i>	78.89 9.79	17.96



	MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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23 37 13 00-0306	Security Registers And Grilles <small>(23 37 13)</small>		
23 37 13 00-0307	Maximum Security Steel Supply / Return Registers <small>(23 37 13 00-0306)</small> Note: Includes damper as manufactured by Titus or equal.		
23 37 13 00-0308	EA 6" x 6" Maximum Security Supply/ Return Register	150.99	12.89
23 37 13 00-0309	EA 9" x 9" Maximum Security Supply/ Return Register	213.32	15.34
23 37 13 00-0310	EA 12" x 6" Maximum Security Supply/ Return Register	201.49	16.10
23 37 13 00-0311	EA 12" x 8" Maximum Security Supply/ Return Register	232.12	18.59
23 37 13 00-0312	EA 10" x 10" Maximum Security Supply/ Return Register	216.54	16.10
23 37 13 00-0313	EA 14" x 12" Maximum Security Supply/ Return Register	299.29	22.65
23 37 13 00-0314	EA 14" x 14" Maximum Security Supply/ Return Register	337.44	24.39
23 37 13 00-0315	EA 18" x 18" Maximum Security Supply/ Return Register	447.06	28.99
23 37 13 00-0316	EA 24" x 24" Maximum Security Supply/ Return Registers	634.07	37.05
23 37 13 00-0317	Staff Security Steel Supply Registers <small>(23 37 13 00-0306)</small> Note: Includes damper as manufactured by Titus or equal.		
23 37 13 00-0318	EA 6" x 6" Staff Security Supply Register	117.88	12.89
23 37 13 00-0319	EA 9" x 9" Staff Security Supply Register	150.12	15.34
23 37 13 00-0320	EA 12" x 12" Staff Security Supply Register	190.53	20.92
23 37 13 00-0321	EA 15" x 15" Staff Security Supply Register	265.44	24.16
23 37 13 00-0322	EA 21" x 21" Staff Security Supply Register	372.48	32.23
23 37 13 00-0323	EA 24" x 24" Staff Security Supply Register	445.98	37.05
23 37 13 00-0324	Staff Security Steel Return Registers <small>(23 37 13 00-0306)</small> Note: Includes damper as manufactured by Titus or equal.		
23 37 13 00-0325	EA 10" x 4" 12 Gage Flat Steel Plate Staff Security Return Register	146.68	13.94
23 37 13 00-0326	EA 6" x 6" 12 Gage Flat Steel Plate Staff Security Return Register	132.93	12.89
23 37 13 00-0327	EA 10" x 6" 12 Gage Flat Steel Plate Staff Security Return Register	158.83	14.52
23 37 13 00-0328	EA 12" x 5" 12 Gage Flat Steel Plate Staff Security Return Register	163.77	15.69
23 37 13 00-0329	EA 12" x 8" 12 Gage Flat Steel Plate Staff Security Return Register	202.03	18.59
23 37 13 00-0330	EA 16" x 6" 12 Gage Flat Steel Plate Staff Security Return Register	211.06	18.59
23 37 13 00-0331	EA 16" x 8" 12 Gage Flat Steel Plate Staff Security Return Register	233.94	19.29
23 37 13 00-0332	EA 12" x 12" 12 Gage Flat Steel Plate Staff Security Return Register	235.67	20.92
23 37 13 00-0333	EA 30" x 6" 12 Gage Flat Steel Plate Staff Security Return Register	302.52	23.47
23 37 13 00-0334	EA 14" x 12" 12 Gage Flat Steel Plate Staff Security Return Register	261.67	22.65
23 37 13 00-0335	EA 28" x 8" 12 Gage Flat Steel Plate Staff Security Return Register	322.39	24.16
23 37 13 00-0336	EA 18" x 12" 12 Gage Flat Steel Plate Staff Security Return Register	299.82	23.93
23 37 13 00-0337	Maximum Security Steel Grills <small>(23 37 13 00-0306)</small> Note: Includes damper as manufactured by Titus or equal.		
23 37 13 00-0338	EA 10" x 4" Maximum Security Grill	128.63	13.94
23 37 13 00-0339	EA 6" x 6" Maximum Security Grill	117.88	12.89
23 37 13 00-0340	EA 10" x 6" Maximum Security Grill	137.77	14.52
23 37 13 00-0341	EA 12" x 5" Maximum Security Grill	144.21	15.69
23 37 13 00-0342	EA 12" x 8" Maximum Security Grill	170.43	18.59
23 37 13 00-0343	EA 16" x 8" Maximum Security Grill	194.82	19.29
23 37 13 00-0344	EA 12" x 12" Maximum Security Grill	196.55	20.92
23 37 13 00-0345	EA 14" x 12" Maximum Security Grill	213.52	22.65
23 37 13 00-0346	EA 30" x 6" Maximum Security Grill	257.38	23.47
23 37 13 00-0347	EA 28" x 8" Maximum Security Grill	271.24	24.16
23 37 13 00-0348	EA 18" x 12" Maximum Security Grill	250.17	23.93
23 37 13 00-0349	Removal And Reinstallation Of Distribution Devices <small>(23 37 13)</small> Note: Includes storage and cleaning. Excludes ductwork.		
23 37 13 00-0350	EA Removal And Reinstallation Of Variable Air Volume Terminal Unit	215.84	
23 37 13 00-0351	EA Removal And Reinstallation Of Fan Powered Variable Volume Terminal Unit	238.06	
23 37 13 00-0352	EA Removal And Reinstallation Of Lay-in Diffuser/Register/Grille	35.68	
23 37 13 00-0353	EA Removal And Reinstallation Of Surface Mounted Diffuser/Register/Grille	48.32	

23 38 Ventilation Hoods (23 30)
23 38 13 Commercial-Kitchen Hoods (23 38)
23 38 13 16 Standard Commercial-Kitchen Hoods (23 38 13)

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 38 Ventilation Hoods**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 38 13 16-0001			Commercial Kitchen Hood Ventilation System ^(23 38 13 16) Note: Excludes fire suppression. See CSI section 21 24 16 00-0000 for fire suppression system, 23 31 13 23-0000 for duct, 23 34 16 00-0108 for exhaust and supply fans.		
23 38 13 16-0002			Dry Filter Exhaust Hoods ^(23 38 13 16-0001) Note: Includes stainless steel filters, exhaust damper and 48" long fluorescent light fixtures.		
23 38 13 16-0003	EA		8' Long x 60" Deep Dry Filter Exhaust Hood.....	5,296.77	889.43
23 38 13 16-0004	EA		8'-6" Long x 60" Deep Dry Filter Exhaust Hood.....	5,541.91	945.02
23 38 13 16-0005	EA		9' Long x 60" Deep Dry Filter Exhaust Hood.....	6,114.38	1,000.60
23 38 13 16-0006	EA		9'-6" Long x 60" Deep Dry Filter Exhaust Hood.....	6,331.00	1,056.20
23 38 13 16-0007	EA		10' Long x 60" Deep Dry Filter Exhaust Hood.....	6,580.18	1,111.78
23 38 13 16-0008	EA		10'-6" Long x 60" Deep Dry Filter Exhaust Hood.....	6,838.90	1,167.38
23 38 13 16-0009	EA		11' Long x 60" Deep Dry Filter Exhaust Hood.....	7,088.73	1,222.96
23 38 13 16-0010	EA		11'-6" Long x 60" Deep Dry Filter Exhaust Hood.....	7,344.40	1,278.56
23 38 13 16-0011	EA		12' Long x 60" Deep Dry Filter Exhaust Hood.....	7,620.42	1,334.14
23 38 13 16-0012	EA		12'-6" Long x 60" Deep Dry Filter Exhaust Hood.....	7,867.47	1,389.73
23 38 13 16-0013	EA		13' Long x 60" Deep Dry Filter Exhaust Hood.....	8,085.17	1,445.32
23 38 13 16-0014	EA		13'-6" Long x 60" Deep Dry Filter Exhaust Hood.....	8,405.52	1,500.91
23 38 13 16-0015	EA		14' Long x 60" Deep Dry Filter Exhaust Hood.....	9,249.27	1,556.50
23 38 13 16-0016	EA		14'-6" Long x 60" Deep Dry Filter Exhaust Hood.....	9,517.92	1,612.09
23 38 13 16-0017	EA		15' Long x 60" Deep Dry Filter Exhaust Hood.....	9,851.33	1,667.67
23 38 13 16-0018	EA		15'-6" Long x 60" Deep Dry Filter Exhaust Hood.....	10,122.97	1,723.27
23 38 13 16-0019	EA		16' Long x 60" Deep Dry Filter Exhaust Hood.....	10,492.83	1,778.85
23 38 13 16-0020			Dry Extractor Exhaust Hoods ^(23 38 13 16-0001) Note: Includes extractor inserts, exhaust damper, 48" long fluorescent light fixtures, and UDS filler panels.		
23 38 13 16-0021	EA		8' Long x 60" Deep Dry Extractor Exhaust Hood.....	6,971.57	889.43
23 38 13 16-0022	EA		8'-6" Long x 60" Deep Dry Extractor Exhaust Hood.....	7,227.31	945.02
23 38 13 16-0023	EA		9' Long x 60" Deep Dry Extractor Exhaust Hood.....	7,831.58	1,000.60
23 38 13 16-0024	EA		9'-6" Long x 60" Deep Dry Extractor Exhaust Hood.....	8,090.60	1,056.20
23 38 13 16-0025	EA		10' Long x 60" Deep Dry Extractor Exhaust Hood.....	8,350.38	1,111.78
23 38 13 16-0026	EA		10'-6" Long x 60" Deep Dry Extractor Exhaust Hood.....	8,598.50	1,167.38
23 38 13 16-0027	EA		11' Long x 60" Deep Dry Extractor Exhaust Hood.....	8,858.93	1,222.96
23 38 13 16-0028	EA		11'-6" Long x 60" Deep Dry Extractor Exhaust Hood.....	9,109.30	1,278.56
23 38 13 16-0029	EA		12' Long x 60" Deep Dry Extractor Exhaust Hood.....	9,348.22	1,334.14
23 38 13 16-0030	EA		12'-6" Long x 60" Deep Dry Extractor Exhaust Hood.....	9,658.87	1,389.73
23 38 13 16-0031	EA		13' Long x 60" Deep Dry Extractor Exhaust Hood.....	10,009.07	1,445.32
23 38 13 16-0032	EA		13'-6" Long x 60" Deep Dry Extractor Exhaust Hood.....	10,377.12	1,500.91
23 38 13 16-0033	EA		14' Long x 60" Deep Dry Extractor Exhaust Hood.....	11,067.17	1,556.50
23 38 13 16-0034	EA		14'-6" Long x 60" Deep Dry Extractor Exhaust Hood.....	11,441.82	1,612.09
23 38 13 16-0035	EA		15' Long x 60" Deep Dry Extractor Exhaust Hood.....	12,098.53	1,667.67
23 38 13 16-0036	EA		15'-6" Long x 60" Deep Dry Extractor Exhaust Hood.....	12,767.67	1,723.27
23 38 13 16-0037	EA		16' Long x 60" Deep Dry Extractor Exhaust Hood.....	13,429.03	1,778.85
23 38 13 16-0038			Single Manifold Water Wash Exhaust Hoods ^(23 38 13 16-0001) Note: Includes extraction baffles, 48" long fluorescent light fixtures, and UDS filler panels. Excludes fan wash control panel.		
23 38 13 16-0039	EA		8' Long x 60" Deep Single Manifold Water Wash Exhaust Hood.....	7,395.57	889.43
23 38 13 16-0040	EA		8'-6" Long x 60" Deep Single Manifold Water Wash Exhaust Hood.....	7,661.91	945.02
23 38 13 16-0041	EA		9' Long x 60" Deep Single Manifold Water Wash Exhaust Hood.....	8,276.78	1,000.60
23 38 13 16-0042	EA		9'-6" Long x 60" Deep Single Manifold Water Wash Exhaust Hood.....	8,541.10	1,056.20
23 38 13 16-0043	EA		10' Long x 60" Deep Single Manifold Water Wash Exhaust Hood.....	8,816.78	1,111.78
23 38 13 16-0044	EA		10'-6" Long x 60" Deep Single Manifold Water Wash Exhaust Hood.....	9,075.50	1,167.38
23 38 13 16-0045	EA		11' Long x 60" Deep Single Manifold Water Wash Exhaust Hood.....	9,341.23	1,222.96
23 38 13 16-0046	EA		11'-6" Long x 60" Deep Single Manifold Water Wash Exhaust Hood.....	9,607.50	1,278.56
23 38 13 16-0047	EA		12' Long x 60" Deep Single Manifold Water Wash Exhaust Hood.....	9,851.72	1,334.14
23 38 13 16-0048	EA		12'-6" Long x 60" Deep Single Manifold Water Wash Exhaust Hood.....	10,183.57	1,389.73
23 38 13 16-0049	EA		13' Long x 60" Deep Single Manifold Water Wash Exhaust Hood.....	10,554.97	1,445.32
23 38 13 16-0050	EA		13'-6" Long x 60" Deep Single Manifold Water Wash Exhaust Hood.....	10,944.22	1,500.91
23 38 13 16-0051	EA		14' Long x 60" Deep Single Manifold Water Wash Exhaust Hood.....	11,655.47	1,556.50
23 38 13 16-0052	EA		14'-6" Long x 60" Deep Single Manifold Water Wash Exhaust Hood.....	12,051.32	1,612.09
23 38 13 16-0053	EA		15' Long x 60" Deep Single Manifold Water Wash Exhaust Hood.....	12,766.33	1,667.67
23 38 13 16-0054	EA		15'-6" Long x 60" Deep Single Manifold Water Wash Exhaust Hood.....	13,159.87	1,723.27
23 38 13 16-0055	EA		16' Long x 60" Deep Single Manifold Water Wash Exhaust Hood.....	13,550.93	1,778.85
23 38 13 16-0056	EA		Fan Wash Control Panel.....	5,064.43	444.71
			Note: Includes time clock and backflow preventer.		
23 38 13 16-0057			Utility Distribution System (UDS) ^(23 38 13 16-0001) Note: Includes "L" shaped primary riser, secondary riser, horizontal mechanical and electrical raceway; 2" IPS looped gas manifold with two (2) solenoid gas valves; 1" hot water manifold; 1" cold water manifold; 100 Amp 120-208 VAC/3 Ph/60 Hz main shunt trip connectors; equipment restraints; flexible drain connectors; and power interruption device. Excludes main shunt breaker.		
23 38 13 16-0058	EA		8' Long UDS.....	25,071.80	452.28
23 38 13 16-0059	EA		8'-6" Long UDS.....	25,810.66	463.28
23 38 13 16-0060	EA		9' Long UDS.....	26,541.41	474.06
23 38 13 16-0061	EA		9'-6" Long UDS.....	27,280.97	489.18
23 38 13 16-0062	EA		10' Long UDS.....	28,014.24	501.19
23 38 13 16-0063	EA		10'-6" Long UDS.....	28,741.02	513.87
23 38 13 16-0064	EA		11' Long UDS.....	29,475.50	522.65



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 38 13 16-0065 EA 11'-6" Long UDS	30,212.22	536.44
23 38 13 16-0066 EA 12' Long UDS	30,960.45	555.89
23 38 13 16-0067 EA 12'-6" Long UDS	31,722.61	582.35
23 38 13 16-0068 EA 13' Long UDS	32,466.09	599.48
23 38 13 16-0069 EA 13'-6" Long UDS	33,224.23	623.93
23 38 13 16-0070 EA 14' Long UDS	33,972.85	643.62
23 38 13 16-0071 EA 14'-6" Long UDS	34,724.04	664.62
23 38 13 16-0072 EA 15' Long UDS	35,478.06	687.08
23 38 13 16-0073 EA 15'-6" Long UDS	36,235.22	710.99
23 38 13 16-0074 EA 16' Long UDS	36,978.29	728.00

23 38 13 16-0075 Stainless Steel Exhaust Hood Material (23 38 13 16)

Note: Welded seams.

23 38 13 16-0076 SF 16 Gauge Stainless Steel Exhaust Hood Material	74.12	14.46
23 38 13 16-0077 SF 14 Gauge Stainless Steel Exhaust Hood Material	92.64	19.29
23 38 13 16-0078 SF 12 Gauge Stainless Steel Exhaust Hood Material	128.52	26.03
23 38 13 16-0079 SF 10 Gauge Stainless Steel Exhaust Hood Material	160.29	31.82

23 40 HVAC Air Cleaning Devices (23)

23 41 Particulate Air Filtration (23 40)

23 41 13 Panel Air Filters (23 41)

23 41 13 00-0001 Disposable Air Filters (23 41 13)

23 41 13 00-0002 EA Throwaway Glass Or Paper Media Filter, Residential	11.88	
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23 41 13 00-0003 Electrostatic Air Filters With Frame, Element And Busbar (23 41 13)

23 41 13 00-0004 MF3 Electrostatic Air Filter, High Efficiency Non Supported With Frame, Element And Busbar	57.63	
23 41 13 00-0005 MF3 Electrostatic Air Filter, Medium Efficiency Non Supported With Frame, Element And Busbar	55.66	
23 41 13 00-0006 MF3 Electrostatic Air Filter, Glass/Paper Throwaway With Frame, Element And Busbar	2.40	

23 41 16 Renewable-Media Air Filters (23 41)

23 41 16 00-0001 Renewable-Media Electrostatic Air Filters With Frame, Element And Busbar (23 41 16)

23 41 16 00-0002 MF3 Electrostatic Air Filter, 5' Disposable Roll Renewable With Frame, Element And Busbar	99.18	
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23 41 19 Washable Air Filters (23 41)

23 41 19 00-0001 Washable Electrostatic Air Filters With Frame, Element And Busbar (23 41 19)

23 41 19 00-0002 MF3 Electrostatic Air Filter, Permanent, Washable With Frame, Element And Busbar	37.87	
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23 41 33 High-Efficiency Particulate Filtration (23 41)

23 41 33 00-0001 HEPA Filters (23 41 33)

Note: Includes particle board and kraft paper frame and separator material. See CSI section 23 41 13 00-0000 for prefilters.

23 41 33 00-0002 HEPA Filters DOP Efficiency-95% (23 41 33 00-0001)

23 41 33 00-0003 EA 12" x 12" x 6" HEPA Filter, 95% DOP Efficiency, 150 CFM, Complete	107.34	16.12
For Removal And Replacement In Existing Equipment, Add	3.22	
For >10 To 25, Deduct	-2.68	
For >25 To 50, Deduct	-5.37	
For >50 To 100, Deduct	-8.05	
For >100, Deduct	-10.73	
23 41 33 00-0004 EA 24" x 12" x 6" HEPA Filter, 95% DOP Efficiency, 375 CFM, Complete	141.69	18.42
For Removal And Replacement In Existing Equipment, Add	3.69	
For >10 To 25, Deduct	-3.54	
For >25 To 50, Deduct	-7.08	
For >50 To 100, Deduct	-10.63	
For >100, Deduct	-14.17	
23 41 33 00-0005 EA 24" x 18" x 6" HEPA Filter, 95% DOP Efficiency, 450 CFM, Complete	165.73	21.30
For Removal And Replacement In Existing Equipment, Add	4.26	
For >10 To 25, Deduct	-4.14	
For >25 To 50, Deduct	-8.29	
For >50 To 100, Deduct	-12.43	
For >100, Deduct	-16.57	
23 41 33 00-0006 EA 24" x 24" x 6" HEPA Filter, 95% DOP Efficiency, 700 CFM, Complete	189.80	24.18
For Removal And Replacement In Existing Equipment, Add	4.84	
For >10 To 25, Deduct	-4.75	
For >25 To 50, Deduct	-9.49	
For >50 To 100, Deduct	-14.24	
For >100, Deduct	-18.98	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 40 HVAC Air Cleaning Devices****23 41 Particulate Air Filtration**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 41 33 00-0007 EA 12" x 12" x 12" HEPA Filter, 95% DOP Efficiency, 250 CFM, Complete.....	129.96	17.27
For Removal And Replacement In Existing Equipment, Add	3.45	
For >10 To 25, Deduct	-3.25	
For >25 To 50, Deduct	-6.50	
For >50 To 100, Deduct	-9.75	
For >100, Deduct	-13.00	
23 41 33 00-0008 EA 24" x 12" x 12" HEPA Filter, 95% DOP Efficiency, 500 CFM, Complete.....	173.48	20.15
For Removal And Replacement In Existing Equipment, Add	4.03	
For >10 To 25, Deduct	-4.34	
For >25 To 50, Deduct	-8.67	
For >50 To 100, Deduct	-13.01	
For >100, Deduct	-17.35	
23 41 33 00-0009 EA 24" x 18" x 12" HEPA Filter, 95% DOP Efficiency, 875 CFM, Complete.....	207.00	23.03
For Removal And Replacement In Existing Equipment, Add	4.61	
For >10 To 25, Deduct	-5.18	
For >25 To 50, Deduct	-10.35	
For >50 To 100, Deduct	-15.53	
For >100, Deduct	-20.70	
23 41 33 00-0010 EA 24" x 24" x 12" HEPA Filter, 95% DOP Efficiency, 1,000 CFM, Complete.....	246.27	28.79
For Removal And Replacement In Existing Equipment, Add	5.76	
For >10 To 25, Deduct	-6.16	
For >25 To 50, Deduct	-12.31	
For >50 To 100, Deduct	-18.47	
For >100, Deduct	-24.63	
23 41 33 00-0011 HEPA Filters DOP Efficiency-99.99% (23 41 33 00-0001)		
23 41 33 00-0012 EA 12" x 12" x 3" HEPA Filter, 99.99% DOP Efficiency, Complete	92.17	14.39
For Removal And Replacement In Existing Equipment, Add	2.88	
For >10 To 25, Deduct	-2.30	
For >25 To 50, Deduct	-4.61	
For >50 To 100, Deduct	-6.91	
For >100, Deduct	-9.22	
23 41 33 00-0013 EA 24" x 12" x 3" HEPA Filter, 99.99% DOP Efficiency, Complete	126.64	17.27
For Removal And Replacement In Existing Equipment, Add	3.45	
For >10 To 25, Deduct	-3.17	
For >25 To 50, Deduct	-6.33	
For >50 To 100, Deduct	-9.50	
For >100, Deduct	-12.66	
23 41 33 00-0014 EA 24" x 24" x 3" HEPA Filter, 99.99% DOP Efficiency, Complete	191.62	20.15
For Removal And Replacement In Existing Equipment, Add	4.03	
For >10 To 25, Deduct	-4.79	
For >25 To 50, Deduct	-9.58	
For >50 To 100, Deduct	-14.37	
For >100, Deduct	-19.16	
23 41 33 00-0015 EA 36" x 24" x 3" HEPA Filter, 99.99% DOP Efficiency, Complete	245.39	23.03
For Removal And Replacement In Existing Equipment, Add	4.61	
For >10 To 25, Deduct	-6.13	
For >25 To 50, Deduct	-12.27	
For >50 To 100, Deduct	-18.40	
For >100, Deduct	-24.54	
23 41 33 00-0016 EA 8" x 8" x 6" HEPA Filter, 99.99% DOP Efficiency, Complete	86.36	11.51
For Removal And Replacement In Existing Equipment, Add	2.30	
For >10 To 25, Deduct	-2.16	
For >25 To 50, Deduct	-4.32	
For >50 To 100, Deduct	-6.48	
For >100, Deduct	-8.64	
23 41 33 00-0017 EA 12" x 12" x 6" HEPA Filter, 99.99% DOP Efficiency, 150 CFM, Complete.....	114.55	15.54
For Removal And Replacement In Existing Equipment, Add	3.11	
For >10 To 25, Deduct	-2.86	
For >25 To 50, Deduct	-5.73	
For >50 To 100, Deduct	-8.59	
For >100, Deduct	-11.46	
23 41 33 00-0018 EA 24" x 12" x 6" HEPA Filter, 99.99% DOP Efficiency, 325 CFM, Complete.....	153.34	18.42
For Removal And Replacement In Existing Equipment, Add	3.69	
For >10 To 25, Deduct	-3.83	
For >25 To 50, Deduct	-7.67	
For >50 To 100, Deduct	-11.50	
For >100, Deduct	-15.33	
23 41 33 00-0019 EA 24" x 18" x 6" HEPA Filter, 99.99% DOP Efficiency, 550 CFM, Complete.....	180.00	21.58
For Removal And Replacement In Existing Equipment, Add	4.32	
For >10 To 25, Deduct	-4.50	
For >25 To 50, Deduct	-9.00	
For >50 To 100, Deduct	-13.50	
For >100, Deduct	-18.00	
23 41 33 00-0020 EA 24" x 24" x 6" HEPA Filter, 99.99% DOP Efficiency, 775 CFM, Complete.....	205.51	24.18
For Removal And Replacement In Existing Equipment, Add	4.84	
For >10 To 25, Deduct	-5.14	
For >25 To 50, Deduct	-10.28	
For >50 To 100, Deduct	-15.41	
For >100, Deduct	-20.55	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 41 33 00-0021 EA 12" x 12" x 12" HEPA Filter, 99.99% DOP Efficiency, 250 CFM, Complete.....	140.55	17.27
<i>For Removal And Replacement In Existing Equipment, Add</i>	3.45	
<i>For >10 To 25, Deduct</i>	-3.51	
<i>For >25 To 50, Deduct</i>	-7.03	
<i>For >50 To 100, Deduct</i>	-10.54	
<i>For >100, Deduct</i>	-14.06	
23 41 33 00-0022 EA 24" x 12" x 12" HEPA Filter, 99.99% DOP Efficiency, 500 CFM, Complete.....	188.28	20.15
<i>For Removal And Replacement In Existing Equipment, Add</i>	4.03	
<i>For >10 To 25, Deduct</i>	-4.71	
<i>For >25 To 50, Deduct</i>	-9.41	
<i>For >50 To 100, Deduct</i>	-14.12	
<i>For >100, Deduct</i>	-18.83	
23 41 33 00-0023 EA 24" x 18" x 12" HEPA Filter, 99.99% DOP Efficiency, 775 CFM, Complete.....	224.88	23.03
<i>For Removal And Replacement In Existing Equipment, Add</i>	4.61	
<i>For >10 To 25, Deduct</i>	-5.62	
<i>For >25 To 50, Deduct</i>	-11.24	
<i>For >50 To 100, Deduct</i>	-16.87	
<i>For >100, Deduct</i>	-22.49	
23 41 33 00-0024 EA 24" x 24" x 12" HEPA Filter, 99.99% DOP Efficiency, 1,100 CFM, Complete.....	277.20	28.79
<i>For Removal And Replacement In Existing Equipment, Add</i>	5.76	
<i>For >10 To 25, Deduct</i>	-6.93	
<i>For >25 To 50, Deduct</i>	-13.86	
<i>For >50 To 100, Deduct</i>	-20.79	
<i>For >100, Deduct</i>	-27.72	
23 41 33 00-0025 HEPA Filter Housings, 14 Gauge Galvanized Sheet Metal ^(23 41 33)		
Note: Nominal sizes.		
23 41 33 00-0026 EA 12" x 12" x 6" HEPA Filter Housings 14 Gauge Galvanized Sheet Metal	278.19	85.84
23 41 33 00-0027 EA 24" x 12" x 6" HEPA Filter Housings 14 Gauge Galvanized Sheet Metal	522.59	170.63
23 41 33 00-0028 EA 24" x 18" x 6" HEPA Filter Housings 14 Gauge Galvanized Sheet Metal	529.83	170.63
23 41 33 00-0029 EA 24" x 24" x 6" HEPA Filter Housings 14 Gauge Galvanized Sheet Metal	534.66	170.63
23 41 33 00-0030 EA 24" x 48" x 6" HEPA Filter Housings 14 Gauge Galvanized Sheet Metal	568.45	170.63
23 41 33 00-0031 EA 24" x 72" x 6" HEPA Filter Housings 14 Gauge Galvanized Sheet Metal	610.69	170.63
23 41 33 00-0032 EA 48" x 48" x 6" HEPA Filter Housings 14 Gauge Galvanized Sheet Metal	1,016.20	342.32
23 41 33 00-0033 EA 48" x 72" x 6" HEPA Filter Housings 14 Gauge Galvanized Sheet Metal	1,118.79	342.32
23 41 33 00-0034 EA 48" x 96" x 6" HEPA Filter Housings 14 Gauge Galvanized Sheet Metal	1,249.14	342.32
23 41 33 00-0035 EA 12" x 12" x 12" HEPA Filter Housings 14 Gauge Galvanized Sheet Metal	298.71	85.84
23 41 33 00-0036 EA 24" x 12" x 12" HEPA Filter Housings 14 Gauge Galvanized Sheet Metal	557.59	170.63
23 41 33 00-0037 EA 24" x 18" x 12" HEPA Filter Housings 14 Gauge Galvanized Sheet Metal	566.04	170.63
23 41 33 00-0038 EA 24" x 24" x 12" HEPA Filter Housings 14 Gauge Galvanized Sheet Metal	572.07	170.63
23 41 33 00-0039 EA 24" x 48" x 12" HEPA Filter Housings 14 Gauge Galvanized Sheet Metal	611.90	170.63
23 41 33 00-0040 EA 24" x 72" x 12" HEPA Filter Housings 14 Gauge Galvanized Sheet Metal	665.00	170.63
23 41 33 00-0041 EA 48" x 48" x 12" HEPA Filter Housings 14 Gauge Galvanized Sheet Metal	1,100.69	342.32
23 41 33 00-0042 EA 48" x 72" x 12" HEPA Filter Housings 14 Gauge Galvanized Sheet Metal	1,228.62	342.32
23 41 33 00-0043 EA 48" x 96" x 12" HEPA Filter Housings 14 Gauge Galvanized Sheet Metal	1,390.35	342.32
23 41 33 00-0044 Filter, Bag Type, 90-95% Efficiency ^(23 41 33)		
23 41 33 00-0045 EA 0.75 - 1.25 MCFM, 24" x 12" x 29" Filter, Bag Type, 90 - 95% Efficiency.....	258.55	111.27
23 41 33 00-0046 EA 1.5 - 2.5 MCFM, 24" x 24" x 29" Filter, Bag Type, 90 - 95% Efficiency.....	292.32	111.27
23 41 33 00-0047 Filter, Bag Type, 80-85% Efficiency ^(23 41 33)		
23 41 33 00-0048 EA 0.75 - 1.25 MCFM, 24" x 12" x 29" Filter, Bag Type, 80 - 85% Efficiency.....	254.67	111.27
23 41 33 00-0049 EA 1.5 - 2.5 MCFM, 24" x 24" x 29" Filter, Bag Type, 80 - 85% Efficiency.....	279.59	111.27
23 42 Gas-Phase Air Filtration ^(23 40)		
23 42 13 Activated-Carbon Air Filtration ^(23 42)		
23 42 13 00-0001 EA 12" x 24" x 1" Thick Activated Carbon Honeycomb Disposable Filter.....	38.68	8.63
23 42 13 00-0002 EA 16" x 20" x 1" Thick Activated Carbon Honeycomb Disposable Filter.....	39.10	8.63
23 42 13 00-0003 EA 16" x 25" x 1" Thick Activated Carbon Honeycomb Disposable Filter.....	39.36	8.63
23 42 13 00-0004 EA 20" x 20" x 1" Thick Activated Carbon Honeycomb Disposable Filter.....	39.36	8.63
23 42 13 00-0005 EA 20" x 25" x 1" Thick Activated Carbon Honeycomb Disposable Filter.....	42.53	8.63
23 42 13 00-0006 EA 24" x 24" x 1" Thick Activated Carbon Honeycomb Disposable Filter.....	47.73	8.63
23 42 13 00-0007 EA 12" x 24" x 2" Thick Activated Carbon Honeycomb Disposable Filter.....	48.65	9.79
23 42 13 00-0008 EA 16" x 20" x 2" Thick Activated Carbon Honeycomb Disposable Filter.....	49.00	9.79
23 42 13 00-0009 EA 16" x 25" x 2" Thick Activated Carbon Honeycomb Disposable Filter.....	49.30	9.79
23 42 13 00-0010 EA 20" x 20" x 2" Thick Activated Carbon Honeycomb Disposable Filter.....	49.30	9.79
23 42 13 00-0011 EA 20" x 25" x 2" Thick Activated Carbon Honeycomb Disposable Filter.....	52.80	9.79
23 42 13 00-0012 EA 24" x 24" x 2" Thick Activated Carbon Honeycomb Disposable Filter.....	62.55	9.79
23 42 13 00-0013 EA 16" x 20" x 1" Thick Carbon Impregnated Pleated Air Filter.....	24.20	8.63
23 42 13 00-0014 EA 16" x 25" x 1" Thick Carbon Impregnated Pleated Air Filter.....	25.71	8.63
23 42 13 00-0015 EA 20" x 20" x 1" Thick Carbon Impregnated Pleated Air Filter.....	25.76	8.63
23 42 13 00-0016 EA 20" x 25" x 1" Thick Carbon Impregnated Pleated Air Filter.....	27.73	8.63
23 42 13 00-0017 EA 24" x 24" x 1" Thick Carbon Impregnated Pleated Air Filter.....	29.48	8.63
23 42 13 00-0018 EA 16" x 20" x 2" Thick Carbon Impregnated Pleated Air Filter.....	27.98	9.79
23 42 13 00-0019 EA 16" x 25" x 2" Thick Carbon Impregnated Pleated Air Filter.....	30.61	9.79
23 42 13 00-0020 EA 20" x 20" x 2" Thick Carbon Impregnated Pleated Air Filter.....	31.16	9.79
23 42 13 00-0021 EA 20" x 25" x 2" Thick Carbon Impregnated Pleated Air Filter.....	34.42	9.79

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 40 HVAC Air Cleaning Devices****23 42 Gas-Phase Air Filtration**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 42 13 00-0022 EA 24" x 24" x 2" Thick Carbon Impregnated Pleated Air Filter.....	36.49	9.79
23 42 13 00-0023 EA 24" x 24" x 4" Thick Carbon Impregnated Pleated Air Filter.....	59.07	10.36
23 44 Ultraviolet HVAC Microbial Control <small>(23 40)</small>		
23 44 00 00-0001 Double Ended Ultraviolet HVAC Microbial Control Fixtures <small>(23 44)</small>		
23 44 00 00-0002 EA 18" Double Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire DE-181-VO)..... Note: Includes tube.	457.77	69.20
23 44 00 00-0003 EA 24" Double Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire DE-241-VO)..... Note: Includes tube.	478.19	72.63
23 44 00 00-0004 EA 30" Double Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire DE-301-VO)..... Note: Includes tube.	482.02	75.75
23 44 00 00-0005 EA 36" Double Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire DE-361-VO)..... Note: Includes tube.	504.46	79.58
23 44 00 00-0006 EA 42" Double Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire DE-421-VO)..... Note: Includes tube.	543.56	83.01
23 44 00 00-0007 EA 62" Double Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire DE-621-VO)..... Note: Includes tube.	617.32	85.60
23 44 00 00-0008 Single Ended Ultraviolet HVAC Microbial Control Fixtures <small>(23 44)</small>		
23 44 00 00-0009 EA 12" Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire SE-121-VO)..... Note: Includes tube.	391.92	47.94
23 44 00 00-0010 EA 16" Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire SE-161-VO)..... Note: Includes tube.	400.10	51.88
23 44 00 00-0011 EA 20" Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire SE-201-VO)..... Note: Includes tube.	408.45	54.99
23 44 00 00-0012 EA 24" Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire SE-241-VO)..... Note: Includes tube.	410.38	59.15
23 44 00 00-0013 EA 30" Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire SE-301-VO)..... Note: Includes tube.	427.54	62.25
23 44 00 00-0014 EA 36" Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire SE-361-VO)..... Note: Includes tube.	438.54	65.37
23 44 00 00-0015 EA 42" Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire SE-421-VO)..... Note: Includes tube.	449.61	69.51
23 44 00 00-0016 EA 12" NEMA 4X Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire SEN-121-VO)..... Note: Includes tube.	454.91	47.94
23 44 00 00-0017 EA 16" NEMA 4X Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire SEN-161-VO)..... Note: Includes tube.	463.09	51.88
23 44 00 00-0018 EA 20" NEMA 4X Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire SEN-201-VO)..... Note: Includes tube.	471.44	54.99
23 44 00 00-0019 EA 24" NEMA 4X Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire SEN-241-VO)..... Note: Includes tube.	473.36	59.15
23 44 00 00-0020 EA 30" NEMA 4X Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire SEN-301-VO)..... Note: Includes tube.	490.53	62.25
23 44 00 00-0021 EA 36" NEMA 4X Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire SEN-361-VO)..... Note: Includes tube.	501.53	65.37
23 44 00 00-0022 EA 42" NEMA 4X Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire SEN-421-VO)..... Note: Includes tube.	512.60	69.51
23 44 00 00-0023 EA 16" Residential Type Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire RSE-161-VO)..... Note: Includes tube.	326.04	51.88
23 44 00 00-0024 EA 20" Residential Type Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire RSE-201-VO)..... Note: Includes tube.	334.38	54.99
23 44 00 00-0025 EA 24" Residential Type Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire RSE-241-VO)..... Note: Includes tube.	336.31	59.15
23 44 00 00-0026 EA 30" Residential Type Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire RSE-301-VO)..... Note: Includes tube.	353.47	62.25
23 44 00 00-0027 EA 36" Residential Type Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire RSE-361-VO)..... Note: Includes tube.	364.47	65.37
23 44 00 00-0028 EA 42" Residential Type Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire RSE-421-VO)..... Note: Includes tube.	375.54	69.51
23 44 00 00-0029 Fan Coil Unit Ultraviolet Microbial Control Fixtures <small>(23 44)</small>		
23 44 00 00-0030 EA 16" Fan Coil Unit Ultraviolet Microbial Control Fixture (Steril-Aire)..... Note: Includes tube.	299.49	66.41
23 44 00 00-0031 EA 20" Fan Coil Unit Ultraviolet Microbial Control Fixture (Steril-Aire)..... Note: Includes tube.	307.62	69.51
23 44 00 00-0032 EA 24" Fan Coil Unit Ultraviolet Microbial Control Fixture (Steril-Aire)..... Note: Includes tube.	315.74	72.63
23 44 00 00-0033 EA 30" Fan Coil Unit Ultraviolet Microbial Control Fixture (Steril-Aire)..... Note: Includes tube.	325.78	75.75
23 44 00 00-0034 EA 36" Fan Coil Unit Ultraviolet Microbial Control Fixture (Steril-Aire)..... Note: Includes tube.	337.99	79.58
23 44 00 00-0035 EA 42" Fan Coil Unit Ultraviolet Microbial Control Fixture (Steril-Aire)..... Note: Includes tube.	349.05	83.01
23 44 00 00-0036 Ultraviolet HVAC Microbial Control Replacement Parts <small>(23 44)</small>		
23 44 00 00-0037 EA 18" Double Ended Ultraviolet HVAC Microbial Control Tube Replacement (Steril-Aire GTD-16-VO).....	79.11	
23 44 00 00-0038 EA 24" Double Ended Ultraviolet HVAC Microbial Control Tube Replacement (Steril-Aire GTD-22-VO).....	83.03	
23 44 00 00-0039 EA 30" Double Ended Ultraviolet HVAC Microbial Control Tube Replacement (Steril-Aire GTD-28-VO).....	93.04	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
				23 44 00 00-0040 EA 36" Double Ended Ultraviolet HVAC Microbial Control Tube Replacement (Steril-Aire GTD-34-VO).....	105.78	
				23 44 00 00-0041 EA 42" Double Ended Ultraviolet HVAC Microbial Control Tube Replacement (Steril-Aire GTD-40-VO).....	118.80	
				23 44 00 00-0042 EA 62" Double Ended Ultraviolet HVAC Microbial Control Tube Replacement (Steril-Aire GTD-60-VO).....	143.51	
				23 44 00 00-0043 EA 12" Single Ended Ultraviolet HVAC Microbial Control Tube Replacement (Steril-Aire GTS-12-VO).....	76.00	
				23 44 00 00-0044 EA 16" Single Ended Ultraviolet HVAC Microbial Control Tube Replacement (Steril-Aire GTS-16-VO).....	80.02	
				23 44 00 00-0045 EA 20" Single Ended Ultraviolet HVAC Microbial Control Tube Replacement (Steril-Aire GTS-20-VO).....	84.22	
				23 44 00 00-0046 EA 24" Single Ended Ultraviolet HVAC Microbial Control Tube Replacement (Steril-Aire GTS-24-VO).....	81.99	
				23 44 00 00-0047 EA 30" Single Ended Ultraviolet HVAC Microbial Control Tube Replacement (Steril-Aire GTS-30-VO).....	95.01	
				23 44 00 00-0048 EA 36" Single Ended Ultraviolet HVAC Microbial Control Tube Replacement (Steril-Aire GTS-36-VO).....	101.86	
				23 44 00 00-0049 EA 42" Single Ended Ultraviolet HVAC Microbial Control Tube Replacement (Steril-Aire GTS-42-VO).....	108.78	
				23 44 00 00-0050 EA Replacement Power Supply For Ultraviolet Microbial Control Fixture (Steril-Aire).....	219.50	
23 44 00 00-0051		Ultraviolet HVAC Microbial Control Mounting Accessories (23 44)				
				23 44 00 00-0052 EA Two Spring Clip, 61" Emitter Kit For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 11006610).....	408.22	
				Note: Includes 61" emitter, power supply, wires and connectors.		
				23 44 00 00-0053 EA Two Spring Clip, 61" Sleeved Emitter Kit For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 11006620).....	506.89	
				Note: Includes 61" emitter, power supply, wires and connectors.		
				23 44 00 00-0054 EA Two Spring Clip, Air Handler Kit For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 10000166-1).....	252.67	
				Note: Includes power supply, wires and connectors. Excludes emitter.		
				23 44 00 00-0055 EA Two Short Hook Air Handler Kit For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 10000166-2).....	264.75	
				Note: Includes power supply, wires and connectors. Excludes emitter.		
				23 44 00 00-0056 EA Flat Plate For Metal, Air Handler Kit For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 10000166-3).....	309.98	
				Note: Includes power supply, wires and connectors. Excludes emitter.		
				23 44 00 00-0057 EA Flat Plate For Plastic, Air Handler Kit For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 10000166-4).....	203.91	
				Note: Includes power supply, wires and connectors. Excludes emitter.		
				23 44 00 00-0058 EA Insert Lamp Holder, Air Handler Kit For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 10000166-5).....	218.77	
				Note: Includes power supply, wires and connectors. Excludes emitter.		
				23 44 00 00-0059 EA 16" U-Bracket, Air Handler Kit For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 10000166-6).....	293.76	
				Note: Includes power supply, wires and connectors. Excludes emitter.		
				23 44 00 00-0060 EA 12" U-Bracket, Air Handler Kit For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 10000166-7).....	290.33	
				Note: Includes power supply, wires and connectors. Excludes emitter.		
				23 44 00 00-0061 LF 30 x 30 mm Framing Structure For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 15000101).....	11.12	
				23 44 00 00-0062 EA Vertical Support Kit For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 15000111).....	38.71	
				23 44 00 00-0063 EA Joint Kit For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 15000112).....	14.52	
				23 44 00 00-0064 EA Emitter Mounting Kit For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 15000113).....	13.92	
				23 44 00 00-0065 EA Foundation Bracket FB 8WA For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 15000104).....	36.26	
				23 44 00 00-0066 EA Slider Assembly Kit For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 15000114).....	37.86	
				23 44 00 00-0067 EA Splice Kit For Horizontal Rows For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 15000108).....	34.05	
				23 44 00 00-0068 EA Gusset Kit For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 15000115).....	28.34	
				23 44 00 00-0069 EA ISO "A" Bracket Hanger For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 15000109).....	26.98	
				23 44 00 00-0070 EA DE Boot Kit UV Resistant For 1 DE Fixture For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 90000223).....	16.31	
				23 44 00 00-0071 EA DE Wiring Kit For Up To 65" (DE Bank Install) For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 90000603).....	29.86	
				23 44 00 00-0072 EA Cleaning Kit For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 90000100).....	16.37	
				23 44 00 00-0073 EA 480 To 220 Volt AC / 180 VA Step-Down Transformer For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 90000503).....	57.38	
				23 44 00 00-0074 EA Interlock Switch (16 Amps At 125 Volt, 10 Amps At 250 Volt Maximum Ampacity) For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 90000120).....	59.93	
23 50 Central Heating Equipment (23)						
Note: Where required, mechanical equipment excludes electrical connection, disconnect, or starter unless title states otherwise. See CSI section 26 05 19 16-0011 for electrical connection and termination, 26 05 83 00-0130 for terminations, 26 28 16 00-0001 for disconnect.						
23 51 Breechings, Chimneys, And Stacks (23 50)						
23 51 13 Draft Control Devices (23 51)						
				23 51 13 00-0001 Vertical Discharge Fans (23 51 13)		
				Note: Includes chimney adapter. Excludes wiring.		
				23 51 13 00-0002 Axial Vane Vertical Discharge Fans (23 51 13 00-0001)		
				23 51 13 00-0003 EA 450 CFM Vertical Discharge Chimney Fan, Axial Vane.....	3,812.11	233.15
				23 51 13 00-0004 EA 950 CFM Vertical Discharge Chimney Fan, Axial Vane.....	4,326.82	254.36
				23 51 13 00-0005 EA 1,400 CFM Vertical Discharge Chimney Fan, Axial Vane.....	5,206.35	280.84
				23 51 13 00-0006 EA 1,800 CFM Vertical Discharge Chimney Fan, Axial Vane.....	6,825.13	325.89
				23 51 13 00-0007 Centrifugal Impeller Vertical Discharge Fans (23 51 13 00-0001)		
				23 51 13 00-0008 EA 700 CFM Vertical Discharge Chimney Fan, Centrifugal Impeller.....	4,595.87	254.36
				23 51 13 00-0009 EA 1,100 CFM Vertical Discharge Chimney Fan, Centrifugal Impeller.....	5,619.75	280.84
				23 51 13 00-0010 EA 2,300 CFM Vertical Discharge Chimney Fan, Centrifugal Impeller.....	7,315.93	328.54
				23 51 13 00-0011 EA 3,000 CFM Vertical Discharge Chimney Fan, Centrifugal Impeller.....	8,674.67	368.28
				23 51 13 00-0012 Accessories For Vertical Discharge Fans (23 51 13 00-0001)		
				23 51 13 00-0013 EA Modulating Fan Controller And Sensor.....	513.21	79.49
				23 51 13 00-0014 Flue Shutter Dampers (23 51 13 00-0001)		
				23 51 13 00-0015 EA 8" Flue Size, Shutter Damper.....	558.14	105.98
				23 51 13 00-0016 EA 9" Flue Size, Shutter Damper.....	601.60	112.87

23 Heating, Ventilating, And Air-Conditioning (HVAC)

23 50 Central Heating Equipment

23 51 Breechings, Chimneys, And Stacks



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51	13 00-0017	EA	10" Flue Size, Shutter Damper	627.38	120.81
23 51	13 00-0018	EA	12" Flue Size, Shutter Damper	686.01	130.35
23 51	13 00-0019	EA	14" Flue Size, Shutter Damper	767.61	141.48
23 51	13 00-0020	EA	16" Flue Size, Shutter Damper	832.59	154.20
23 51	13 00-0021	EA	18" Flue Size, Shutter Damper	912.79	169.57
23 51	13 00-0022	EA	20" Flue Size, Shutter Damper	1,015.23	188.64
23 51	13 00-0023	EA	22" Flue Size, Shutter Damper	1,126.18	211.96
23 51	13 00-0024	EA	24" Flue Size, Shutter Damper	1,250.92	242.16

23 51 16 Fabricated Breechings And Accessories (23 51)

23 51 16 00-0001 Round Galvanized Double Wall Flue/Vent Pipe And Fittings (23 51 16)

23 51 16 00-0002 Round Galvanized Double Wall Flue/Vent Pipe (23 51 16 00-0001)

23 51 16 00-0003	LF	3" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe	29.36	9.43
		For Aluminum Liner, Add	0.32	
		For Stainless Steel Liner, Add	0.44	
		For 2" Wall Instead Of 1", Add	4.10	
		For 3" To 4" Wall Instead Of 1", Add	7.33	
23 51 16 00-0004	LF	4" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe	31.48	9.96
		For Aluminum Liner, Add	0.39	
		For Stainless Steel Liner, Add	0.54	
		For 2" Wall Instead Of 1", Add	4.58	
		For 3" To 4" Wall Instead Of 1", Add	8.09	
23 51 16 00-0005	LF	5" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe	34.71	10.60
		For Aluminum Liner, Add	0.47	
		For Stainless Steel Liner, Add	0.64	
		For 2" Wall Instead Of 1", Add	5.17	
		For 3" To 4" Wall Instead Of 1", Add	9.06	
23 51 16 00-0006	LF	6" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe	37.81	11.34
		For Aluminum Liner, Add	0.54	
		For Stainless Steel Liner, Add	0.74	
		For 2" Wall Instead Of 1", Add	5.75	
		For 3" To 4" Wall Instead Of 1", Add	10.03	
23 51 16 00-0007	LF	7" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe	44.15	12.08
		For Aluminum Liner, Add	0.80	
		For Stainless Steel Liner, Add	1.09	
		For 2" Wall Instead Of 1", Add	7.32	
		For 3" To 4" Wall Instead Of 1", Add	12.46	
23 51 16 00-0008	LF	8" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe	49.07	13.04
		For Aluminum Liner, Add	0.89	
		For Stainless Steel Liner, Add	1.21	
		For 2" Wall Instead Of 1", Add	8.14	
		For 3" To 4" Wall Instead Of 1", Add	13.86	
23 51 16 00-0009	LF	10" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe	69.73	13.99
		For Aluminum Liner, Add	1.88	
		For Stainless Steel Liner, Add	2.56	
		For 2" Wall Instead Of 1", Add	13.80	
		For 3" To 4" Wall Instead Of 1", Add	22.48	
23 51 16 00-0010	LF	12" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe	84.40	15.47
		For Aluminum Liner, Add	2.52	
		For Stainless Steel Liner, Add	3.44	
		For 2" Wall Instead Of 1", Add	17.60	
		For 3" To 4" Wall Instead Of 1", Add	28.34	
23 51 16 00-0011	LF	14" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe	117.32	16.10
		For Aluminum Liner, Add	4.23	
		For Stainless Steel Liner, Add	5.77	
		For 2" Wall Instead Of 1", Add	27.12	
		For 3" To 4" Wall Instead Of 1", Add	42.70	
23 51 16 00-0012	LF	16" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe	145.95	16.96
		For Aluminum Liner, Add	5.71	
		For Stainless Steel Liner, Add	7.78	
		For 2" Wall Instead Of 1", Add	35.35	
		For 3" To 4" Wall Instead Of 1", Add	55.13	
23 51 16 00-0013	LF	18" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe	178.99	17.80
		For Aluminum Liner, Add	7.37	
		For Stainless Steel Liner, Add	10.05	
		For 2" Wall Instead Of 1", Add	44.70	
		For 3" To 4" Wall Instead Of 1", Add	69.30	
23 51 16 00-0014	LF	20" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe	228.90	28.30
		For Aluminum Liner, Add	8.75	
		For Stainless Steel Liner, Add	11.93	
		For 2" Wall Instead Of 1", Add	54.71	
		For 3" To 4" Wall Instead Of 1", Add	85.55	
23 51 16 00-0015	LF	22" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe	276.00	29.89
		For Aluminum Liner, Add	11.03	
		For Stainless Steel Liner, Add	15.04	
		For 2" Wall Instead Of 1", Add	67.72	
		For 3" To 4" Wall Instead Of 1", Add	105.35	
23 51 16 00-0016	LF	24" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe	327.39	31.80
		For Aluminum Liner, Add	13.60	
		For Stainless Steel Liner, Add	18.55	
		For 2" Wall Instead Of 1", Add	82.19	
		For 3" To 4" Wall Instead Of 1", Add	127.30	



Heating, Ventilating, And Air-Conditioning (HVAC)		23
Central Heating Equipment		23 50
Breechings, Chimneys, And Stacks		23 51

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 16 00-0017	LF		26" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe.....	379.44	32.85
			For Aluminum Liner, Add	16.36	
			For Stainless Steel Liner, Add	22.31	
			For 2" Wall Instead Of 1", Add	97.43	
			For 3" To 4" Wall Instead Of 1", Add	150.24	
23 51 16 00-0018	LF		28" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe.....	397.73	33.92
			For Aluminum Liner, Add	17.21	
			For Stainless Steel Liner, Add	23.47	
			For 2" Wall Instead Of 1", Add	102.37	
			For 3" To 4" Wall Instead Of 1", Add	157.79	
23 51 16 00-0019	LF		30" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe.....	422.74	36.35
			For Aluminum Liner, Add	18.26	
			For Stainless Steel Liner, Add	24.90	
			For 2" Wall Instead Of 1", Add	108.67	
			For 3" To 4" Wall Instead Of 1", Add	167.55	
23 51 16 00-0020	LF		32" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe.....	477.99	37.73
			For Aluminum Liner, Add	21.11	
			For Stainless Steel Liner, Add	28.79	
			For 2" Wall Instead Of 1", Add	124.57	
			For 3" To 4" Wall Instead Of 1", Add	191.57	
23 51 16 00-0021	LF		34" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe.....	535.21	39.11
			For Aluminum Liner, Add	24.06	
			For Stainless Steel Liner, Add	32.81	
			For 2" Wall Instead Of 1", Add	141.02	
			For 3" To 4" Wall Instead Of 1", Add	216.41	
23 51 16 00-0022	LF		36" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe.....	563.31	40.69
			For Aluminum Liner, Add	25.39	
			For Stainless Steel Liner, Add	34.63	
			For 2" Wall Instead Of 1", Add	148.67	
			For 3" To 4" Wall Instead Of 1", Add	228.08	
23 51 16 00-0023	LF		38" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe.....	610.77	42.39
			For Aluminum Liner, Add	27.77	
			For Stainless Steel Liner, Add	37.87	
			For 2" Wall Instead Of 1", Add	162.06	
			For 3" To 4" Wall Instead Of 1", Add	248.38	
23 51 16 00-0024	LF		40" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe.....	672.51	44.19
			For Aluminum Liner, Add	30.91	
			For Stainless Steel Liner, Add	42.15	
			For 2" Wall Instead Of 1", Add	179.65	
			For 3" To 4" Wall Instead Of 1", Add	275.00	
23 51 16 00-0025	LF		42" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe.....	703.56	46.20
			For Aluminum Liner, Add	32.34	
			For Stainless Steel Liner, Add	44.09	
			For 2" Wall Instead Of 1", Add	187.94	
			For 3" To 4" Wall Instead Of 1", Add	287.69	
23 51 16 00-0026	LF		44" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe.....	778.23	48.43
			For Aluminum Liner, Add	36.14	
			For Stainless Steel Liner, Add	49.28	
			For 2" Wall Instead Of 1", Add	209.24	
			For 3" To 4" Wall Instead Of 1", Add	319.92	
23 51 16 00-0027	LF		46" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe.....	844.80	50.87
			For Aluminum Liner, Add	39.47	
			For Stainless Steel Liner, Add	53.82	
			For 2" Wall Instead Of 1", Add	228.00	
			For 3" To 4" Wall Instead Of 1", Add	348.36	
23 51 16 00-0028	LF		48" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe.....	929.02	53.52
			For Aluminum Liner, Add	43.75	
			For Stainless Steel Liner, Add	59.66	
			For 2" Wall Instead Of 1", Add	251.98	
			For 3" To 4" Wall Instead Of 1", Add	384.66	
23 51 16 00-0029			90 Degree Elbows (23 51 16 00-0001)		
23 51 16 00-0030	EA		3" Round Flue/Vent, 90 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	73.52	18.87
			For Aluminum Liner, Add	1.47	
			For Stainless Steel Liner, Add	2.01	
			For 2" Wall Instead Of 1", Add	12.71	
			For 3" To 4" Wall Instead Of 1", Add	21.40	
23 51 16 00-0031	EA		4" Round Flue/Vent, 90 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	81.31	19.92
			For Aluminum Liner, Add	1.74	
			For Stainless Steel Liner, Add	2.37	
			For 2" Wall Instead Of 1", Add	14.46	
			For 3" To 4" Wall Instead Of 1", Add	24.17	
23 51 16 00-0032	EA		5" Round Flue/Vent, 90 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	90.51	21.19
			For Aluminum Liner, Add	2.08	
			For Stainless Steel Liner, Add	2.83	
			For 2" Wall Instead Of 1", Add	16.60	
			For 3" To 4" Wall Instead Of 1", Add	27.54	
23 51 16 00-0033	EA		6" Round Flue/Vent, 90 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	99.93	22.58
			For Aluminum Liner, Add	2.41	
			For Stainless Steel Liner, Add	3.29	
			For 2" Wall Instead Of 1", Add	18.77	
			For 3" To 4" Wall Instead Of 1", Add	30.95	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 50 Central Heating Equipment****23 51 Breechings, Chimneys, And Stacks**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 16 00-0034	EA		7" Round Flue/Vent, 90 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe.....	118.75	24.17
			<i>For Aluminum Liner, Add</i>	3.23	
			<i>For Stainless Steel Liner, Add</i>	4.40	
			<i>For 2" Wall Instead Of 1", Add</i>	23.61	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	38.42	
23 51 16 00-0035	EA		8" Round Flue/Vent, 90 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe.....	138.67	26.07
			<i>For Aluminum Liner, Add</i>	4.04	
			<i>For Stainless Steel Liner, Add</i>	5.51	
			<i>For 2" Wall Instead Of 1", Add</i>	28.57	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	46.11	
23 51 16 00-0036	EA		10" Round Flue/Vent, 90 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe.....	239.88	28.30
			<i>For Aluminum Liner, Add</i>	9.30	
			<i>For Stainless Steel Liner, Add</i>	12.68	
			<i>For 2" Wall Instead Of 1", Add</i>	57.79	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	90.23	
23 51 16 00-0037	EA		12" Round Flue/Vent, 90 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe.....	290.16	30.84
			<i>For Aluminum Liner, Add</i>	11.72	
			<i>For Stainless Steel Liner, Add</i>	15.98	
			<i>For 2" Wall Instead Of 1", Add</i>	71.64	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	111.31	
23 51 16 00-0038	EA		14" Round Flue/Vent, 90 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe.....	375.44	32.32
			<i>For Aluminum Liner, Add</i>	16.21	
			<i>For Stainless Steel Liner, Add</i>	22.10	
			<i>For 2" Wall Instead Of 1", Add</i>	96.48	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	148.76	
23 51 16 00-0039	EA		16" Round Flue/Vent, 90 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe.....	460.88	33.92
			<i>For Aluminum Liner, Add</i>	20.69	
			<i>For Stainless Steel Liner, Add</i>	28.22	
			<i>For 2" Wall Instead Of 1", Add</i>	121.34	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	186.24	
23 51 16 00-0040	EA		18" Round Flue/Vent, 90 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe.....	594.93	35.72
			<i>For Aluminum Liner, Add</i>	27.81	
			<i>For Stainless Steel Liner, Add</i>	37.92	
			<i>For 2" Wall Instead Of 1", Add</i>	160.61	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	245.39	
23 51 16 00-0041	EA		20" Round Flue/Vent, 90 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe.....	839.53	56.49
			<i>For Aluminum Liner, Add</i>	38.40	
			<i>For Stainless Steel Liner, Add</i>	52.36	
			<i>For 2" Wall Instead Of 1", Add</i>	223.58	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	342.44	
23 51 16 00-0042	EA		22" Round Flue/Vent, 90 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe.....	1,105.05	59.87
			<i>For Aluminum Liner, Add</i>	52.54	
			<i>For Stainless Steel Liner, Add</i>	71.65	
			<i>For 2" Wall Instead Of 1", Add</i>	301.58	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	459.85	
23 51 16 00-0043	EA		24" Round Flue/Vent, 90 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe.....	1,246.77	63.58
			<i>For Aluminum Liner, Add</i>	59.82	
			<i>For Stainless Steel Liner, Add</i>	81.57	
			<i>For 2" Wall Instead Of 1", Add</i>	342.21	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	521.26	
23 51 16 00-0044			45 Degree Elbows <small>(23 51 16 00-0001)</small>		
23 51 16 00-0045	EA		3" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe.....	62.49	18.87
			<i>For Aluminum Liner, Add</i>	0.85	
			<i>For Stainless Steel Liner, Add</i>	1.16	
			<i>For 2" Wall Instead Of 1", Add</i>	9.34	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	16.36	
23 51 16 00-0046	EA		4" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe.....	68.10	19.92
			<i>For Aluminum Liner, Add</i>	1.00	
			<i>For Stainless Steel Liner, Add</i>	1.36	
			<i>For 2" Wall Instead Of 1", Add</i>	10.45	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	18.17	
23 51 16 00-0047	EA		5" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe.....	74.40	21.19
			<i>For Aluminum Liner, Add</i>	1.18	
			<i>For Stainless Steel Liner, Add</i>	1.61	
			<i>For 2" Wall Instead Of 1", Add</i>	11.72	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	20.23	
23 51 16 00-0048	EA		6" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe.....	82.14	22.58
			<i>For Aluminum Liner, Add</i>	1.41	
			<i>For Stainless Steel Liner, Add</i>	1.92	
			<i>For 2" Wall Instead Of 1", Add</i>	13.34	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	22.84	
23 51 16 00-0049	EA		7" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe.....	97.27	24.17
			<i>For Aluminum Liner, Add</i>	2.02	
			<i>For Stainless Steel Liner, Add</i>	2.76	
			<i>For 2" Wall Instead Of 1", Add</i>	17.08	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	28.64	
23 51 16 00-0050	EA		8" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe.....	107.44	26.07
			<i>For Aluminum Liner, Add</i>	2.32	
			<i>For Stainless Steel Liner, Add</i>	3.17	
			<i>For 2" Wall Instead Of 1", Add</i>	19.20	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	32.05	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 16 00-0051 EA 10" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	176.31	28.30
<i>For Aluminum Liner, Add</i>	5.81	
<i>For Stainless Steel Liner, Add</i>	7.92	
<i>For 2" Wall Instead Of 1", Add</i>	38.76	
<i>For 3" To 4" Wall Instead Of 1", Add</i>	61.67	
23 51 16 00-0052 EA 12" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	210.26	30.84
<i>For Aluminum Liner, Add</i>	7.33	
<i>For Stainless Steel Liner, Add</i>	9.99	
<i>For 2" Wall Instead Of 1", Add</i>	47.67	
<i>For 3" To 4" Wall Instead Of 1", Add</i>	75.35	
23 51 16 00-0053 EA 14" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	268.17	32.32
<i>For Aluminum Liner, Add</i>	10.31	
<i>For Stainless Steel Liner, Add</i>	14.06	
<i>For 2" Wall Instead Of 1", Add</i>	64.30	
<i>For 3" To 4" Wall Instead Of 1", Add</i>	100.48	
23 51 16 00-0054 EA 16" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	319.91	33.92
<i>For Aluminum Liner, Add</i>	12.93	
<i>For Stainless Steel Liner, Add</i>	17.64	
<i>For 2" Wall Instead Of 1", Add</i>	79.02	
<i>For 3" To 4" Wall Instead Of 1", Add</i>	122.77	
23 51 16 00-0055 EA 18" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	405.24	35.72
<i>For Aluminum Liner, Add</i>	17.38	
<i>For Stainless Steel Liner, Add</i>	23.70	
<i>For 2" Wall Instead Of 1", Add</i>	103.72	
<i>For 3" To 4" Wall Instead Of 1", Add</i>	160.05	
23 51 16 00-0056 EA 20" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	497.35	56.39
<i>For Aluminum Liner, Add</i>	19.60	
<i>For Stainless Steel Liner, Add</i>	26.73	
<i>For 2" Wall Instead Of 1", Add</i>	121.02	
<i>For 3" To 4" Wall Instead Of 1", Add</i>	188.58	
23 51 16 00-0057 EA 22" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	686.16	59.87
<i>For Aluminum Liner, Add</i>	29.51	
<i>For Stainless Steel Liner, Add</i>	40.24	
<i>For 2" Wall Instead Of 1", Add</i>	175.91	
<i>For 3" To 4" Wall Instead Of 1", Add</i>	271.35	
23 51 16 00-0058 EA 24" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	838.64	63.58
<i>For Aluminum Liner, Add</i>	37.39	
<i>For Stainless Steel Liner, Add</i>	50.98	
<i>For 2" Wall Instead Of 1", Add</i>	219.82	
<i>For 3" To 4" Wall Instead Of 1", Add</i>	337.67	
23 51 16 00-0059 EA 26" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	1,505.34	65.70
<i>For Aluminum Liner, Add</i>	73.76	
<i>For Stainless Steel Liner, Add</i>	100.59	
<i>For 2" Wall Instead Of 1", Add</i>	418.77	
<i>For 3" To 4" Wall Instead Of 1", Add</i>	636.36	
23 51 16 00-0060 EA 28" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	1,547.38	67.83
<i>For Aluminum Liner, Add</i>	75.79	
<i>For Stainless Steel Liner, Add</i>	103.34	
<i>For 2" Wall Instead Of 1", Add</i>	430.32	
<i>For 3" To 4" Wall Instead Of 1", Add</i>	653.96	
23 51 16 00-0061 EA 30" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	1,631.47	72.07
<i>For Aluminum Liner, Add</i>	79.83	
<i>For Stainless Steel Liner, Add</i>	108.86	
<i>For 2" Wall Instead Of 1", Add</i>	453.43	
<i>For 3" To 4" Wall Instead Of 1", Add</i>	689.15	
23 51 16 00-0062 EA 32" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	1,820.47	74.19
<i>For Aluminum Liner, Add</i>	89.93	
<i>For Stainless Steel Liner, Add</i>	122.63	
<i>For 2" Wall Instead Of 1", Add</i>	509.07	
<i>For 3" To 4" Wall Instead Of 1", Add</i>	772.88	
23 51 16 00-0063 EA 34" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	1,987.24	78.42
<i>For Aluminum Liner, Add</i>	98.52	
<i>For Stainless Steel Liner, Add</i>	134.35	
<i>For 2" Wall Instead Of 1", Add</i>	556.98	
<i>For 3" To 4" Wall Instead Of 1", Add</i>	845.27	
23 51 16 00-0064 EA 36" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	2,049.05	84.79
<i>For Aluminum Liner, Add</i>	101.05	
<i>For Stainless Steel Liner, Add</i>	137.79	
<i>For 2" Wall Instead Of 1", Add</i>	572.35	
<i>For 3" To 4" Wall Instead Of 1", Add</i>	869.12	
23 51 16 00-0065 EA 38" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	2,194.26	87.75
<i>For Aluminum Liner, Add</i>	108.63	
<i>For Stainless Steel Liner, Add</i>	148.13	
<i>For 2" Wall Instead Of 1", Add</i>	614.43	
<i>For 3" To 4" Wall Instead Of 1", Add</i>	932.61	
23 51 16 00-0066 EA 40" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	2,335.24	89.03
<i>For Aluminum Liner, Add</i>	116.20	
<i>For Stainless Steel Liner, Add</i>	158.46	
<i>For 2" Wall Instead Of 1", Add</i>	656.09	
<i>For 3" To 4" Wall Instead Of 1", Add</i>	995.25	
23 51 16 00-0067 EA 42" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	2,437.67	93.26
<i>For Aluminum Liner, Add</i>	121.26	
<i>For Stainless Steel Liner, Add</i>	165.35	
<i>For 2" Wall Instead Of 1", Add</i>	684.70	
<i>For 3" To 4" Wall Instead Of 1", Add</i>	1,038.70	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 50 Central Heating Equipment****23 51 Breechings, Chimneys, And Stacks**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 16 00-0068	EA		44" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe.....	2,586.05	97.50
			<i>For Aluminum Liner, Add</i>	128.84	
			<i>For Stainless Steel Liner, Add</i>	175.68	
			<i>For 2" Wall Instead Of 1", Add</i>	727.10	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	1,102.83	
23 51 16 00-0069	EA		46" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe.....	2,780.36	101.74
			<i>For Aluminum Liner, Add</i>	138.94	
			<i>For Stainless Steel Liner, Add</i>	189.46	
			<i>For 2" Wall Instead Of 1", Add</i>	783.27	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	1,187.62	
23 51 16 00-0070	EA		48" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe.....	2,882.81	105.98
			<i>For Aluminum Liner, Add</i>	143.99	
			<i>For Stainless Steel Liner, Add</i>	196.35	
			<i>For 2" Wall Instead Of 1", Add</i>	811.89	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	1,231.07	
23 51 16 00-0071			Teas <small>(23 51 16 00-0001)</small>		
23 51 16 00-0072	EA		3" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe.....	100.55	25.12
			<i>For Aluminum Liner, Add</i>	2.07	
			<i>For Stainless Steel Liner, Add</i>	2.82	
			<i>For 2" Wall Instead Of 1", Add</i>	17.59	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	29.53	
23 51 16 00-0073	EA		4" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe.....	104.68	26.07
			<i>For Aluminum Liner, Add</i>	2.17	
			<i>For Stainless Steel Liner, Add</i>	2.96	
			<i>For 2" Wall Instead Of 1", Add</i>	18.37	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	30.81	
23 51 16 00-0074	EA		5" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe.....	109.18	27.13
			<i>For Aluminum Liner, Add</i>	2.27	
			<i>For Stainless Steel Liner, Add</i>	3.10	
			<i>For 2" Wall Instead Of 1", Add</i>	19.19	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	32.17	
23 51 16 00-0075	EA		6" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe.....	116.62	28.30
			<i>For Aluminum Liner, Add</i>	2.53	
			<i>For Stainless Steel Liner, Add</i>	3.44	
			<i>For 2" Wall Instead Of 1", Add</i>	20.85	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	34.81	
23 51 16 00-0076	EA		7" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe.....	137.14	29.46
			<i>For Aluminum Liner, Add</i>	3.49	
			<i>For Stainless Steel Liner, Add</i>	4.75	
			<i>For 2" Wall Instead Of 1", Add</i>	26.39	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	43.27	
23 51 16 00-0077	EA		8" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe.....	146.85	30.84
			<i>For Aluminum Liner, Add</i>	3.84	
			<i>For Stainless Steel Liner, Add</i>	5.24	
			<i>For 2" Wall Instead Of 1", Add</i>	28.65	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	46.82	
23 51 16 00-0078	EA		10" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe.....	269.98	32.32
			<i>For Aluminum Liner, Add</i>	10.41	
			<i>For Stainless Steel Liner, Add</i>	14.19	
			<i>For 2" Wall Instead Of 1", Add</i>	64.84	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	101.30	
23 51 16 00-0079	EA		12" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe.....	312.57	33.92
			<i>For Aluminum Liner, Add</i>	12.53	
			<i>For Stainless Steel Liner, Add</i>	17.09	
			<i>For 2" Wall Instead Of 1", Add</i>	76.82	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	119.47	
23 51 16 00-0080	EA		14" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe.....	465.30	37.73
			<i>For Aluminum Liner, Add</i>	20.41	
			<i>For Stainless Steel Liner, Add</i>	27.83	
			<i>For 2" Wall Instead Of 1", Add</i>	120.75	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	185.84	
23 51 16 00-0081	EA		16" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe.....	631.39	42.39
			<i>For Aluminum Liner, Add</i>	28.90	
			<i>For Stainless Steel Liner, Add</i>	39.41	
			<i>For 2" Wall Instead Of 1", Add</i>	168.23	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	257.64	
23 51 16 00-0082	EA		18" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe.....	782.50	48.43
			<i>For Aluminum Liner, Add</i>	36.38	
			<i>For Stainless Steel Liner, Add</i>	49.61	
			<i>For 2" Wall Instead Of 1", Add</i>	210.53	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	321.85	
23 51 16 00-0083	EA		20" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe.....	1,040.58	59.87
			<i>For Aluminum Liner, Add</i>	49.01	
			<i>For Stainless Steel Liner, Add</i>	66.83	
			<i>For 2" Wall Instead Of 1", Add</i>	282.27	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	430.88	
23 51 16 00-0084	EA		22" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe.....	1,307.06	78.21
			<i>For Aluminum Liner, Add</i>	61.13	
			<i>For Stainless Steel Liner, Add</i>	83.36	
			<i>For 2" Wall Instead Of 1", Add</i>	353.01	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	539.29	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 16 00-0085 EA 24" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe.....	1,501.91	82.66
<i>For Aluminum Liner, Add</i>	71.24	
<i>For Stainless Steel Liner, Add</i>	97.14	
<i>For 2" Wall Instead Of 1", Add</i>	409.24	
<i>For 3" To 4" Wall Instead Of 1", Add</i>	624.19	
23 51 16 00-0086 EA 26" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe.....	2,059.88	89.03
<i>For Aluminum Liner, Add</i>	101.05	
<i>For Stainless Steel Liner, Add</i>	137.79	
<i>For 2" Wall Instead Of 1", Add</i>	573.43	
<i>For 3" To 4" Wall Instead Of 1", Add</i>	871.28	
23 51 16 00-0087 EA 28" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe.....	2,298.07	92.52
<i>For Aluminum Liner, Add</i>	113.68	
<i>For Stainless Steel Liner, Add</i>	155.02	
<i>For 2" Wall Instead Of 1", Add</i>	643.18	
<i>For 3" To 4" Wall Instead Of 1", Add</i>	976.33	
23 51 16 00-0088 EA 30" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe.....	2,494.34	97.50
<i>For Aluminum Liner, Add</i>	123.78	
<i>For Stainless Steel Liner, Add</i>	168.80	
<i>For 2" Wall Instead Of 1", Add</i>	699.55	
<i>For 3" To 4" Wall Instead Of 1", Add</i>	1,061.52	
23 51 16 00-0089 EA 32" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe.....	2,872.33	101.74
<i>For Aluminum Liner, Add</i>	143.99	
<i>For Stainless Steel Liner, Add</i>	196.35	
<i>For 2" Wall Instead Of 1", Add</i>	810.84	
<i>For 3" To 4" Wall Instead Of 1", Add</i>	1,228.98	
23 51 16 00-0090 EA 34" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe.....	2,928.93	105.98
<i>For Aluminum Liner, Add</i>	146.52	
<i>For Stainless Steel Liner, Add</i>	199.80	
<i>For 2" Wall Instead Of 1", Add</i>	825.69	
<i>For 3" To 4" Wall Instead Of 1", Add</i>	1,251.78	
23 51 16 00-0091 EA 36" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe.....	3,406.04	113.08
<i>For Aluminum Liner, Add</i>	171.78	
<i>For Stainless Steel Liner, Add</i>	234.25	
<i>For 2" Wall Instead Of 1", Add</i>	965.26	
<i>For 3" To 4" Wall Instead Of 1", Add</i>	1,462.03	
23 51 16 00-0092 EA 38" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe.....	3,487.28	127.18
<i>For Aluminum Liner, Add</i>	174.31	
<i>For Stainless Steel Liner, Add</i>	237.69	
<i>For 2" Wall Instead Of 1", Add</i>	982.57	
<i>For 3" To 4" Wall Instead Of 1", Add</i>	1,489.76	
23 51 16 00-0093 EA 40" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe.....	3,808.25	145.40
<i>For Aluminum Liner, Add</i>	189.46	
<i>For Stainless Steel Liner, Add</i>	258.36	
<i>For 2" Wall Instead Of 1", Add</i>	1,069.79	
<i>For 3" To 4" Wall Instead Of 1", Add</i>	1,622.85	
23 51 16 00-0094 EA 42" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe.....	4,190.23	169.57
<i>For Aluminum Liner, Add</i>	207.15	
<i>For Stainless Steel Liner, Add</i>	282.47	
<i>For 2" Wall Instead Of 1", Add</i>	1,172.29	
<i>For 3" To 4" Wall Instead Of 1", Add</i>	1,779.62	
23 51 16 00-0095 EA 44" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe.....	4,564.36	190.76
<i>For Aluminum Liner, Add</i>	224.83	
<i>For Stainless Steel Liner, Add</i>	306.59	
<i>For 2" Wall Instead Of 1", Add</i>	1,274.00	
<i>For 3" To 4" Wall Instead Of 1", Add</i>	1,934.83	
23 51 16 00-0096 EA 46" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe.....	4,993.68	197.13
<i>For Aluminum Liner, Add</i>	247.57	
<i>For Stainless Steel Liner, Add</i>	337.59	
<i>For 2" Wall Instead Of 1", Add</i>	1,399.61	
<i>For 3" To 4" Wall Instead Of 1", Add</i>	2,124.04	
23 51 16 00-0097 EA 48" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe.....	5,285.33	203.48
<i>For Aluminum Liner, Add</i>	262.72	
<i>For Stainless Steel Liner, Add</i>	358.26	
<i>For 2" Wall Instead Of 1", Add</i>	1,483.89	
<i>For 3" To 4" Wall Instead Of 1", Add</i>	2,251.26	
23 51 16 00-0098 Vent Top Caps <small>(23 51 16 00-0001)</small>		
23 51 16 00-0099 EA 3" Round Flue/Vent Top Caps, Galvanized Double Wall Breech/Smoke Pipe	51.10	14.73
<i>For Aluminum Liner, Add</i>	0.78	
<i>For Stainless Steel Liner, Add</i>	1.07	
<i>For 2" Wall Instead Of 1", Add</i>	7.96	
<i>For 3" To 4" Wall Instead Of 1", Add</i>	13.78	
23 51 16 00-0100 EA 4" Round Flue/Vent Top Caps, Galvanized Double Wall Breech/Smoke Pipe	53.54	15.47
<i>For Aluminum Liner, Add</i>	0.82	
<i>For Stainless Steel Liner, Add</i>	1.12	
<i>For 2" Wall Instead Of 1", Add</i>	8.35	
<i>For 3" To 4" Wall Instead Of 1", Add</i>	14.45	
23 51 16 00-0101 EA 6" Round Flue/Vent Top Caps, Galvanized Double Wall Breech/Smoke Pipe	68.39	16.96
<i>For Aluminum Liner, Add</i>	1.43	
<i>For Stainless Steel Liner, Add</i>	1.95	
<i>For 2" Wall Instead Of 1", Add</i>	12.04	
<i>For 3" To 4" Wall Instead Of 1", Add</i>	20.18	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 50 Central Heating Equipment****23 51 Breechings, Chimneys, And Stacks**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 16 00-0102	EA		8" Round Flue/Vent Top Caps, Galvanized Double Wall Breech/Smoke Pipe.....	73.06	18.87
			<i>For Aluminum Liner, Add</i>	1.43	
			<i>For Stainless Steel Liner, Add</i>	1.95	
			<i>For 2" Wall Instead Of 1", Add</i>	12.51	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	21.11	
23 51 16 00-0103	EA		10" Round Flue/Vent Top Caps, Galvanized Double Wall Breech/Smoke Pipe.....	88.12	19.92
			<i>For Aluminum Liner, Add</i>	2.11	
			<i>For Stainless Steel Liner, Add</i>	2.87	
			<i>For 2" Wall Instead Of 1", Add</i>	16.47	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	27.20	
23 51 16 00-0104	EA		12" Round Flue/Vent Top Caps, Galvanized Double Wall Breech/Smoke Pipe.....	103.51	21.19
			<i>For Aluminum Liner, Add</i>	2.78	
			<i>For Stainless Steel Liner, Add</i>	3.79	
			<i>For 2" Wall Instead Of 1", Add</i>	20.46	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	33.33	
23 51 16 00-0105	EA		16" Round Flue/Vent Top Caps, Galvanized Double Wall Breech/Smoke Pipe.....	237.81	24.17
			<i>For Aluminum Liner, Add</i>	9.75	
			<i>For Stainless Steel Liner, Add</i>	13.30	
			<i>For 2" Wall Instead Of 1", Add</i>	59.24	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	91.88	
23 51 16 00-0106	EA		18" Round Flue/Vent Top Caps, Galvanized Double Wall Breech/Smoke Pipe.....	439.45	30.31
			<i>For Aluminum Liner, Add</i>	20.01	
			<i>For Stainless Steel Liner, Add</i>	27.28	
			<i>For 2" Wall Instead Of 1", Add</i>	116.70	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	178.83	
23 51 16 00-0107	EA		20" Round Flue/Vent Top Caps, Galvanized Double Wall Breech/Smoke Pipe.....	807.35	36.35
			<i>For Aluminum Liner, Add</i>	39.41	
			<i>For Stainless Steel Liner, Add</i>	53.74	
			<i>For 2" Wall Instead Of 1", Add</i>	224.04	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	340.60	
23 51 16 00-0108	EA		24" Round Flue/Vent Top Caps, Galvanized Double Wall Breech/Smoke Pipe.....	1,339.77	50.87
			<i>For Aluminum Liner, Add</i>	66.69	
			<i>For Stainless Steel Liner, Add</i>	90.94	
			<i>For 2" Wall Instead Of 1", Add</i>	376.49	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	571.10	
23 51 16 00-0109	EA		26" Round Flue/Vent Top Caps, Galvanized Double Wall Breech/Smoke Pipe.....	1,971.04	53.52
			<i>For Aluminum Liner, Add</i>	101.05	
			<i>For Stainless Steel Liner, Add</i>	137.79	
			<i>For 2" Wall Instead Of 1", Add</i>	564.55	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	853.52	
23 51 16 00-0110	EA		28" Round Flue/Vent Top Caps, Galvanized Double Wall Breech/Smoke Pipe.....	2,208.18	56.49
			<i>For Aluminum Liner, Add</i>	113.68	
			<i>For Stainless Steel Liner, Add</i>	155.02	
			<i>For 2" Wall Instead Of 1", Add</i>	634.19	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	958.36	
23 51 16 00-0111	EA		30" Round Flue/Vent Top Caps, Galvanized Double Wall Breech/Smoke Pipe.....	2,492.15	59.87
			<i>For Aluminum Liner, Add</i>	128.84	
			<i>For Stainless Steel Liner, Add</i>	175.68	
			<i>For 2" Wall Instead Of 1", Add</i>	717.71	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	1,084.05	
23 51 16 00-0112	EA		32" Round Flue/Vent Top Caps, Galvanized Double Wall Breech/Smoke Pipe.....	2,639.29	63.58
			<i>For Aluminum Liner, Add</i>	136.41	
			<i>For Stainless Steel Liner, Add</i>	186.02	
			<i>For 2" Wall Instead Of 1", Add</i>	759.98	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	1,147.92	
23 51 16 00-0113	EA		34" Round Flue/Vent Top Caps, Galvanized Double Wall Breech/Smoke Pipe.....	2,787.67	67.83
			<i>For Aluminum Liner, Add</i>	143.99	
			<i>For Stainless Steel Liner, Add</i>	196.35	
			<i>For 2" Wall Instead Of 1", Add</i>	802.38	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	1,212.05	
23 51 16 00-0114	EA		36" Round Flue/Vent Top Caps, Galvanized Double Wall Breech/Smoke Pipe.....	2,983.36	72.70
			<i>For Aluminum Liner, Add</i>	154.10	
			<i>For Stainless Steel Liner, Add</i>	210.13	
			<i>For 2" Wall Instead Of 1", Add</i>	858.69	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	1,297.11	
23 51 16 00-0115			Wall Thimbles <small>(23 51 16 00-0001)</small>		
23 51 16 00-0116	EA		3" Round Flue/Vent Wall Thimbles, Galvanized Double Wall Breech/Smoke Pipe.....	21.44	7.95
			<i>For Aluminum Liner, Add</i>	0.09	
			<i>For Stainless Steel Liner, Add</i>	0.12	
			<i>For 2" Wall Instead Of 1", Add</i>	2.47	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	4.70	
23 51 16 00-0117	EA		4" Round Flue/Vent Wall Thimbles, Galvanized Double Wall Breech/Smoke Pipe.....	27.21	10.17
			<i>For Aluminum Liner, Add</i>	0.09	
			<i>For Stainless Steel Liner, Add</i>	0.13	
			<i>For 2" Wall Instead Of 1", Add</i>	3.06	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	5.86	
23 51 16 00-0118	EA		5" Or 6" Round Flue/Vent Wall Thimbles, Galvanized Double Wall Breech/Smoke Pipe	36.25	13.67
			<i>For Aluminum Liner, Add</i>	0.11	
			<i>For Stainless Steel Liner, Add</i>	0.15	
			<i>For 2" Wall Instead Of 1", Add</i>	4.04	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	7.77	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 16 00-0119 EA 7" Or 8" Round Flue/Vent Wall Thimbles, Galvanized Double Wall Breech/Smoke Pipe	45.32	16.96
<i>For Aluminum Liner, Add</i>	0.16	
<i>For Stainless Steel Liner, Add</i>	0.22	
<i>For 2" Wall Instead Of 1", Add</i>	5.12	
<i>For 3" To 4" Wall Instead Of 1", Add</i>	9.80	
23 51 16 00-0120 EA 10" Round Flue/Vent Wall Thimbles, Galvanized Double Wall Breech/Smoke Pipe	64.76	22.89
<i>For Aluminum Liner, Add</i>	0.41	
<i>For Stainless Steel Liner, Add</i>	0.56	
<i>For 2" Wall Instead Of 1", Add</i>	7.98	
<i>For 3" To 4" Wall Instead Of 1", Add</i>	14.83	
23 51 16 00-0121 EA 12" Round Flue/Vent Wall Thimbles, Galvanized Double Wall Breech/Smoke Pipe	81.66	28.40
<i>For Aluminum Liner, Add</i>	0.59	
<i>For Stainless Steel Liner, Add</i>	0.80	
<i>For 2" Wall Instead Of 1", Add</i>	10.30	
<i>For 3" To 4" Wall Instead Of 1", Add</i>	19.00	
23 51 16 00-0122 EA 14" Or 16" Round Flue/Vent Wall Thimbles, Galvanized Double Wall Breech/Smoke Pipe	102.85	33.92
<i>For Aluminum Liner, Add</i>	0.99	
<i>For Stainless Steel Liner, Add</i>	1.35	
<i>For 2" Wall Instead Of 1", Add</i>	13.90	
<i>For 3" To 4" Wall Instead Of 1", Add</i>	25.09	
23 51 16 00-0123 EA 18" Or 20" Round Flue/Vent Wall Thimbles, Galvanized Double Wall Breech/Smoke Pipe	133.01	40.27
<i>For Aluminum Liner, Add</i>	1.78	
<i>For Stainless Steel Liner, Add</i>	2.42	
<i>For 2" Wall Instead Of 1", Add</i>	19.77	
<i>For 3" To 4" Wall Instead Of 1", Add</i>	34.68	
23 51 16 00-0124 EA 22" Or 24" Round Flue/Vent Wall Thimbles, Galvanized Double Wall Breech/Smoke Pipe	176.27	44.51
<i>For Aluminum Liner, Add</i>	3.58	
<i>For Stainless Steel Liner, Add</i>	4.88	
<i>For 2" Wall Instead Of 1", Add</i>	30.63	
<i>For 3" To 4" Wall Instead Of 1", Add</i>	51.50	
23 51 16 00-0125 Adjustable Roof Flashing <small>(23 51 16 00-0001)</small>		
23 51 16 00-0126 EA 3" Round Flue/Vent Adjustable Roof Flashing, Galvanized Double Wall Breech/Smoke Pipe	57.62	18.87
<i>For Aluminum Liner, Add</i>	0.58	
<i>For Stainless Steel Liner, Add</i>	0.79	
<i>For 2" Wall Instead Of 1", Add</i>	7.87	
<i>For 3" To 4" Wall Instead Of 1", Add</i>	14.16	
23 51 16 00-0127 EA 4" Round Flue/Vent Adjustable Roof Flashing, Galvanized Double Wall Breech/Smoke Pipe	63.50	19.92
<i>For Aluminum Liner, Add</i>	0.75	
<i>For Stainless Steel Liner, Add</i>	1.02	
<i>For 2" Wall Instead Of 1", Add</i>	9.07	
<i>For 3" To 4" Wall Instead Of 1", Add</i>	16.10	
23 51 16 00-0128 EA 6" Round Flue/Vent Adjustable Roof Flashing, Galvanized Double Wall Breech/Smoke Pipe	79.26	22.58
<i>For Aluminum Liner, Add</i>	1.25	
<i>For Stainless Steel Liner, Add</i>	1.71	
<i>For 2" Wall Instead Of 1", Add</i>	12.48	
<i>For 3" To 4" Wall Instead Of 1", Add</i>	21.55	
23 51 16 00-0129 EA 8" Round Flue/Vent Adjustable Roof Flashing, Galvanized Double Wall Breech/Smoke Pipe	96.32	26.07
<i>For Aluminum Liner, Add</i>	1.71	
<i>For Stainless Steel Liner, Add</i>	2.34	
<i>For 2" Wall Instead Of 1", Add</i>	15.86	
<i>For 3" To 4" Wall Instead Of 1", Add</i>	27.05	
23 51 16 00-0130 EA 10" Round Flue/Vent Adjustable Roof Flashing, Galvanized Double Wall Breech/Smoke Pipe	156.12	28.30
<i>For Aluminum Liner, Add</i>	4.70	
<i>For Stainless Steel Liner, Add</i>	6.41	
<i>For 2" Wall Instead Of 1", Add</i>	32.70	
<i>For 3" To 4" Wall Instead Of 1", Add</i>	52.58	
23 51 16 00-0131 EA 12" Round Flue/Vent Adjustable Roof Flashing, Galvanized Double Wall Breech/Smoke Pipe	185.44	30.84
<i>For Aluminum Liner, Add</i>	5.96	
<i>For Stainless Steel Liner, Add</i>	8.13	
<i>For 2" Wall Instead Of 1", Add</i>	40.22	
<i>For 3" To 4" Wall Instead Of 1", Add</i>	64.19	
23 51 16 00-0132 EA 14" Round Flue/Vent Adjustable Roof Flashing, Galvanized Double Wall Breech/Smoke Pipe	217.99	33.92
<i>For Aluminum Liner, Add</i>	7.33	
<i>For Stainless Steel Liner, Add</i>	9.99	
<i>For 2" Wall Instead Of 1", Add</i>	48.44	
<i>For 3" To 4" Wall Instead Of 1", Add</i>	76.90	
23 51 16 00-0133 EA 16" Round Flue/Vent Adjustable Roof Flashing, Galvanized Double Wall Breech/Smoke Pipe	259.68	37.73
<i>For Aluminum Liner, Add</i>	9.09	
<i>For Stainless Steel Liner, Add</i>	12.40	
<i>For 2" Wall Instead Of 1", Add</i>	59.04	
<i>For 3" To 4" Wall Instead Of 1", Add</i>	93.27	
23 51 16 00-0134 EA 18" Round Flue/Vent Adjustable Roof Flashing, Galvanized Double Wall Breech/Smoke Pipe	390.80	42.39
<i>For Aluminum Liner, Add</i>	15.66	
<i>For Stainless Steel Liner, Add</i>	21.36	
<i>For 2" Wall Instead Of 1", Add</i>	96.03	
<i>For 3" To 4" Wall Instead Of 1", Add</i>	149.35	
23 51 16 00-0135 EA 20" Round Flue/Vent Adjustable Roof Flashing, Galvanized Double Wall Breech/Smoke Pipe	431.58	56.49
<i>For Aluminum Liner, Add</i>	15.97	
<i>For Stainless Steel Liner, Add</i>	21.77	
<i>For 2" Wall Instead Of 1", Add</i>	101.21	
<i>For 3" To 4" Wall Instead Of 1", Add</i>	158.89	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 50 Central Heating Equipment****23 51 Breechings, Chimneys, And Stacks**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 16 00-0136	EA		22" Round Flue/Vent Adjustable Roof Flashing, Galvanized Double Wall Breech/Smoke Pipe	549.16	72.70
			<i>For Aluminum Liner, Add</i>	20.21	
			<i>For Stainless Steel Liner, Add</i>	27.56	
			<i>For 2" Wall Instead Of 1", Add</i>	128.40	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	201.69	
23 51 16 00-0137	EA		24" Round Flue/Vent Adjustable Roof Flashing, Galvanized Double Wall Breech/Smoke Pipe	652.89	84.79
			<i>For Aluminum Liner, Add</i>	24.25	
			<i>For Stainless Steel Liner, Add</i>	33.07	
			<i>For 2" Wall Instead Of 1", Add</i>	153.48	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	240.81	
23 51 16 00-0138			Galvanized Storm Collars <small>(23 51 16 00-0001)</small>		
23 51 16 00-0139	EA		3" Round Galvanized Storm Collar, Double Wall	22.86	7.95
			<i>For Aluminum Liner, Add</i>	0.17	
			<i>For Stainless Steel Liner, Add</i>	0.23	
			<i>For 2" Wall Instead Of 1", Add</i>	2.90	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	5.33	
23 51 16 00-0140	EA		4" Round Galvanized Storm Collar, Double Wall	28.93	10.17
			<i>For Aluminum Liner, Add</i>	0.19	
			<i>For Stainless Steel Liner, Add</i>	0.26	
			<i>For 2" Wall Instead Of 1", Add</i>	3.59	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	6.66	
23 51 16 00-0141	EA		5" Round Galvanized Storm Collar, Double Wall	34.03	11.87
			<i>For Aluminum Liner, Add</i>	0.24	
			<i>For Stainless Steel Liner, Add</i>	0.33	
			<i>For 2" Wall Instead Of 1", Add</i>	4.27	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	7.89	
23 51 16 00-0142	EA		6" Round Galvanized Storm Collar, Double Wall	39.15	13.56
			<i>For Aluminum Liner, Add</i>	0.29	
			<i>For Stainless Steel Liner, Add</i>	0.39	
			<i>For 2" Wall Instead Of 1", Add</i>	4.96	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	9.14	
23 51 16 00-0143	EA		7" Or 8" Round Galvanized Storm Collar, Double Wall	49.35	16.96
			<i>For Aluminum Liner, Add</i>	0.38	
			<i>For Stainless Steel Liner, Add</i>	0.52	
			<i>For 2" Wall Instead Of 1", Add</i>	6.33	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	11.61	
23 51 16 00-0144	EA		10" Round Galvanized Storm Collar, Double Wall	68.13	22.89
			<i>For Aluminum Liner, Add</i>	0.60	
			<i>For Stainless Steel Liner, Add</i>	0.82	
			<i>For 2" Wall Instead Of 1", Add</i>	8.99	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	16.35	
23 51 16 00-0145	EA		12" Round Galvanized Storm Collar, Double Wall	84.11	28.40
			<i>For Aluminum Liner, Add</i>	0.72	
			<i>For Stainless Steel Liner, Add</i>	0.98	
			<i>For 2" Wall Instead Of 1", Add</i>	11.03	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	20.10	
23 51 16 00-0146	EA		14" Or 16" Round Galvanized Storm Collar, Double Wall	107.02	33.92
			<i>For Aluminum Liner, Add</i>	1.22	
			<i>For Stainless Steel Liner, Add</i>	1.67	
			<i>For 2" Wall Instead Of 1", Add</i>	15.15	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	26.96	
23 51 16 00-0147	EA		18" Or 20" Round Galvanized Storm Collar, Double Wall	140.93	40.27
			<i>For Aluminum Liner, Add</i>	2.21	
			<i>For Stainless Steel Liner, Add</i>	3.02	
			<i>For 2" Wall Instead Of 1", Add</i>	22.14	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	38.25	
23 51 16 00-0148	EA		22" Or 24" Round Galvanized Storm Collar, Double Wall	196.07	44.51
			<i>For Aluminum Liner, Add</i>	4.66	
			<i>For Stainless Steel Liner, Add</i>	6.36	
			<i>For 2" Wall Instead Of 1", Add</i>	36.57	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	60.41	
23 51 16 00-0149			Oval Galvanized Double Wall Flue/Vent Pipe And Fittings <small>(23 51 16)</small>		
23 51 16 00-0150			Oval Galvanized Double Wall Flue/Vent Pipe <small>(23 51 16 00-0149)</small>		
23 51 16 00-0151	LF		4" Oval Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe	38.09	9.96
			<i>For 2" Wall Instead Of 1", Add</i>	6.45	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	10.91	
23 51 16 00-0152	LF		5" Oval Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe	41.94	10.60
			<i>For 2" Wall Instead Of 1", Add</i>	7.32	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	12.30	
23 51 16 00-0153	LF		6" Oval Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe	46.43	11.34
			<i>For 2" Wall Instead Of 1", Add</i>	8.27	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	13.82	
23 51 16 00-0154			45 Degree Elbows <small>(23 51 16 00-0149)</small>		
23 51 16 00-0155	EA		4" Standard Oval Flue/Vent 45 Elbow, Galvanized Double Wall Breech/Smoke Pipe	83.26	20.67
			<i>For 2" Wall Instead Of 1", Add</i>	14.64	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	24.54	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 16 00-0156 EA 5" Standard Oval Flue/Vent 45 Elbow, Galvanized Double Wall Breech/Smoke Pipe <i>For 2" Wall Instead Of 1", Add</i> <i>For 3" To 4" Wall Instead Of 1", Add</i>	97.15 17.06 28.62	24.17
23 51 16 00-0157 EA 6" Standard Oval Flue/Vent 45 Elbow, Galvanized Double Wall Breech/Smoke Pipe <i>For 2" Wall Instead Of 1", Add</i> <i>For 3" To 4" Wall Instead Of 1", Add</i>	115.49 20.97 34.88	27.34
23 51 16 00-0158 EA 4" Flat Oval Flue/Vent 45 Elbow, Galvanized Double Wall Breech/Smoke Pipe <i>For 2" Wall Instead Of 1", Add</i> <i>For 3" To 4" Wall Instead Of 1", Add</i>	84.84 15.11 25.25	20.67
23 51 16 00-0159 EA 5" Flat Oval Flue/Vent 45 Elbow, Galvanized Double Wall Breech/Smoke Pipe <i>For 2" Wall Instead Of 1", Add</i> <i>For 3" To 4" Wall Instead Of 1", Add</i>	100.99 18.22 30.34	24.17
23 51 16 00-0160 EA 6" Flat Oval Flue/Vent 45 Elbow, Galvanized Double Wall Breech/Smoke Pipe <i>For 2" Wall Instead Of 1", Add</i> <i>For 3" To 4" Wall Instead Of 1", Add</i>	117.97 21.72 35.99	27.34
23 51 16 00-0161 Tees <small>(23 51 16 00-0149)</small>		
23 51 16 00-0162 EA 4" Standard Oval Flue/Vent Pipe Tee, Galvanized Double Wall Breech/Smoke Pipe <i>For 2" Wall Instead Of 1", Add</i> <i>For 3" To 4" Wall Instead Of 1", Add</i>	138.69 25.91 42.79	31.37
23 51 16 00-0163 EA 4" Short Snout Oval Flue/Vent Tee, Galvanized Double Wall Breech/Smoke Pipe <i>For 2" Wall Instead Of 1", Add</i> <i>For 3" To 4" Wall Instead Of 1", Add</i>	141.17 26.65 43.90	31.37
23 51 16 00-0164 EA 5" Standard Oval Flue/Vent Pipe Tee, Galvanized Double Wall Breech/Smoke Pipe <i>For 2" Wall Instead Of 1", Add</i> <i>For 3" To 4" Wall Instead Of 1", Add</i>	162.23 30.65 50.48	36.03
23 51 16 00-0165 EA 6" Oval Flue/Vent Tee With Round Coupling, Galvanized Double Wall Breech/Smoke Pipe <i>For 2" Wall Instead Of 1", Add</i> <i>For 3" To 4" Wall Instead Of 1", Add</i>	185.46 35.45 58.22	40.38
23 51 16 00-0166 Tops/Caps And Adjustable Flashing <small>(23 51 16 00-0149)</small>		
23 51 16 00-0167 EA 4" Oval Flue/Vent Pipe Top/Cap, Galvanized Double Wall Breech/Smoke Pipe <i>For 2" Wall Instead Of 1", Add</i> <i>For 3" To 4" Wall Instead Of 1", Add</i>	52.81 10.74 17.38	10.17
23 51 16 00-0168 EA 6" Oval Flue/Vent Pipe Top/Cap, Galvanized Double Wall Breech/Smoke Pipe <i>For 2" Wall Instead Of 1", Add</i> <i>For 3" To 4" Wall Instead Of 1", Add</i>	82.09 17.79 28.39	13.67
23 51 16 00-0169 EA 4" Oval Flue/Vent Adjustable Flashing, Galvanized Double Wall Breech/Smoke Pipe <i>For 2" Wall Instead Of 1", Add</i> <i>For 3" To 4" Wall Instead Of 1", Add</i>	43.11 7.83 13.02	10.17
23 51 16 00-0170 EA 6" Oval Flue/Vent Adjustable Flashing, Galvanized Double Wall Breech/Smoke Pipe <i>For 2" Wall Instead Of 1", Add</i> <i>For 3" To 4" Wall Instead Of 1", Add</i>	72.96 15.05 24.28	13.67
23 51 16 00-0171 Storm Collars <small>(23 51 16 00-0149)</small>		
23 51 16 00-0172 EA 4" Oval Galvanized Storm Collar, Double Wall <i>For 2" Wall Instead Of 1", Add</i> <i>For 3" To 4" Wall Instead Of 1", Add</i>	28.93 3.59 6.66	10.17
23 51 16 00-0173 EA 5" Oval Galvanized Storm Collar, Double Wall <i>For 2" Wall Instead Of 1", Add</i> <i>For 3" To 4" Wall Instead Of 1", Add</i>	34.03 4.27 7.89	11.87
23 51 16 00-0174 EA 6" Oval Galvanized Storm Collar, Double Wall <i>For 2" Wall Instead Of 1", Add</i> <i>For 3" To 4" Wall Instead Of 1", Add</i>	39.15 4.96 9.14	13.56
23 51 16 00-0175 Round Double Wall Flue/Vent Pipe And Fittings <small>(23 51 16)</small>		
Note: 304 Stainless steel inner wall and aluminum steel outer jacket, with 1" insulation.		
23 51 16 00-0176 Round Double Wall Flue/Vent Pipe <small>(23 51 16 00-0175)</small>		
Note: 304 Stainless steel inner wall and aluminum steel outer jacket, with 1" insulation.		
23 51 16 00-0177 LF 6" Round Flue/Vent Pipe, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket <i>For 316 Stainless Steel, Add</i> <i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i> <i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	86.33 9.28 5.80 11.60	11.34
23 51 16 00-0178 LF 8" Round Flue/Vent Pipe, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket <i>For 316 Stainless Steel, Add</i> <i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i> <i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	103.47 11.33 7.08 14.16	13.04
23 51 16 00-0179 LF 10" Round Flue/Vent Pipe, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket <i>For 316 Stainless Steel, Add</i> <i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i> <i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	114.64 12.70 7.94 15.87	14.09
23 51 16 00-0180 LF 12" Round Flue/Vent Pipe, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket <i>For 316 Stainless Steel, Add</i> <i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i> <i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	128.98 14.47 9.05 18.09	15.37

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 50 Central Heating Equipment****23 51 Breechings, Chimneys, And Stacks**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 16 00-0181	LF		14" Round Flue/Vent Pipe, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	144.48	16.10
			<i>For 316 Stainless Steel, Add</i>	16.66	
			<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	10.41	
			<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	20.82	
23 51 16 00-0182	LF		16" Round Flue/Vent Pipe, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	152.55	16.96
			<i>For 316 Stainless Steel, Add</i>	17.61	
			<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	11.01	
			<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	22.02	
23 51 16 00-0183	LF		18" Round Flue/Vent Pipe, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	168.40	17.91
			<i>For 316 Stainless Steel, Add</i>	19.80	
			<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	12.37	
			<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	24.75	
23 51 16 00-0184	LF		20" Round Flue/Vent Pipe, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	212.34	28.30
			<i>For 316 Stainless Steel, Add</i>	22.66	
			<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	14.17	
			<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	28.33	
23 51 16 00-0185	LF		24" Round Flue/Vent Pipe, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	262.12	31.80
			<i>For 316 Stainless Steel, Add</i>	29.22	
			<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	18.26	
			<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	36.52	
23 51 16 00-0186	LF		28" Round Flue/Vent Pipe, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	294.65	33.92
			<i>For 316 Stainless Steel, Add</i>	33.59	
			<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	20.99	
			<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	41.98	
23 51 16 00-0187	LF		32" Round Flue/Vent Pipe, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	329.62	37.63
			<i>For 316 Stainless Steel, Add</i>	37.68	
			<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	23.55	
			<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	47.10	
23 51 16 00-0188	LF		36" Round Flue/Vent Pipe, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	366.13	40.69
			<i>For 316 Stainless Steel, Add</i>	42.32	
			<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	26.45	
			<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	52.90	
23 51 16 00-0189	LF		42" Round Flue/Vent Pipe, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	417.95	46.31
			<i>For 316 Stainless Steel, Add</i>	48.33	
			<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	30.21	
			<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	60.41	
23 51 16 00-0190	LF		48" Round Flue/Vent Pipe, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	489.05	53.62
			<i>For 316 Stainless Steel, Add</i>	56.80	
			<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	35.50	
			<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	71.00	
23 51 16 00-0191			90 Degree Elbows <small>(23 51 16 00-0175)</small>		
23 51 16 00-0192	EA		6" Round Flue/Vent, 90 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	387.91	23.42
			<i>For 316 Stainless Steel, Add</i>	65.88	
			<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	32.94	
			<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	65.88	
23 51 16 00-0193	EA		8" Round Flue/Vent, 90 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	428.68	26.07
			<i>For 316 Stainless Steel, Add</i>	72.70	
			<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	36.35	
			<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	72.70	
23 51 16 00-0194	EA		10" Round Flue/Vent, 90 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	487.13	28.30
			<i>For 316 Stainless Steel, Add</i>	83.28	
			<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	41.64	
			<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	83.28	
23 51 16 00-0195	EA		12" Round Flue/Vent, 90 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	549.78	30.84
			<i>For 316 Stainless Steel, Add</i>	94.55	
			<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	47.27	
			<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	94.55	
23 51 16 00-0196	EA		14" Round Flue/Vent, 90 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	635.41	32.32
			<i>For 316 Stainless Steel, Add</i>	110.93	
			<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	55.47	
			<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	110.93	
23 51 16 00-0197	EA		16" Round Flue/Vent, 90 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	699.15	33.92
			<i>For 316 Stainless Steel, Add</i>	122.88	
			<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	61.44	
			<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	122.88	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 16 00-0198 EA 18" Round Flue/Vent, 90 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	806.01	35.72
<i>For 316 Stainless Steel, Add</i>	143.36	
<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	71.68	
<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	143.36	
23 51 16 00-0199 EA 20" Round Flue/Vent, 90 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	943.42	56.49
<i>For 316 Stainless Steel, Add</i>	160.42	
<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	80.21	
<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	160.42	
23 51 16 00-0200 EA 24" Round Flue/Vent, 90 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,157.33	63.58
<i>For 316 Stainless Steel, Add</i>	199.67	
<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	99.84	
<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	199.67	
23 51 16 00-0201 EA 28" Round Flue/Vent, 90 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,398.33	67.83
<i>For 316 Stainless Steel, Add</i>	245.75	
<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	122.88	
<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	245.75	
23 51 16 00-0202 EA 32" Round Flue/Vent, 90 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,837.02	72.60
<i>For 316 Stainless Steel, Add</i>	331.08	
<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	165.54	
<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	331.08	
23 51 16 00-0203 EA 36" Round Flue/Vent, 90 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	2,089.23	84.79
<i>For 316 Stainless Steel, Add</i>	375.45	
<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	187.73	
<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	375.45	
23 51 16 00-0204 EA 42" Round Flue/Vent, 90 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	3,047.08	92.52
<i>For 316 Stainless Steel, Add</i>	563.18	
<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	281.59	
<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	563.18	
23 51 16 00-0205 EA 48" Round Flue/Vent, 90 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	3,795.57	101.74
<i>For 316 Stainless Steel, Add</i>	708.24	
<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	354.12	
<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	708.24	
23 51 16 00-0206 45 Degree Elbows <small>(23 51 16 00-0175)</small>		
23 51 16 00-0207 EA 6" Round Flue/Vent, 45 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	262.99	22.58
<i>For 316 Stainless Steel, Add</i>	41.30	
<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	20.65	
<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	41.30	
23 51 16 00-0208 EA 8" Round Flue/Vent, 45 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	300.68	26.07
<i>For 316 Stainless Steel, Add</i>	47.10	
<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	23.55	
<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	47.10	
23 51 16 00-0209 EA 10" Round Flue/Vent, 45 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	333.52	28.30
<i>For 316 Stainless Steel, Add</i>	52.56	
<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	26.28	
<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	52.56	
23 51 16 00-0210 EA 12" Round Flue/Vent, 45 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	379.13	30.84
<i>For 316 Stainless Steel, Add</i>	60.41	
<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	30.21	
<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	60.41	
23 51 16 00-0211 EA 14" Round Flue/Vent, 45 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	425.50	32.32
<i>For 316 Stainless Steel, Add</i>	68.95	
<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	34.47	
<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	68.95	
23 51 16 00-0212 EA 16" Round Flue/Vent, 45 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	475.58	33.92
<i>For 316 Stainless Steel, Add</i>	78.16	
<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	39.08	
<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	78.16	
23 51 16 00-0213 EA 18" Round Flue/Vent, 45 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	531.24	35.72
<i>For 316 Stainless Steel, Add</i>	88.40	
<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	44.20	
<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	88.40	
23 51 16 00-0214 EA 20" Round Flue/Vent, 45 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	646.48	56.49
<i>For 316 Stainless Steel, Add</i>	101.03	
<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	50.52	
<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	101.03	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 50 Central Heating Equipment****23 51 Breechings, Chimneys, And Stacks**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 16 00-0215	EA		24" Round Flue/Vent, 45 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	807.48	63.58
			<i>For 316 Stainless Steel, Add</i>	129.70	
			<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	64.85	
			<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	129.70	
23 51 16 00-0216	EA		28" Round Flue/Vent, 45 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	903.41	67.83
			<i>For 316 Stainless Steel, Add</i>	146.77	
			<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	73.38	
			<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	146.77	
23 51 16 00-0217	EA		32" Round Flue/Vent, 45 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,162.91	72.60
			<i>For 316 Stainless Steel, Add</i>	196.26	
			<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	98.13	
			<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	196.26	
23 51 16 00-0218	EA		36" Round Flue/Vent, 45 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,534.58	84.79
			<i>For 316 Stainless Steel, Add</i>	264.52	
			<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	132.26	
			<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	264.52	
23 51 16 00-0219	EA		42" Round Flue/Vent, 45 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	2,023.11	92.52
			<i>For 316 Stainless Steel, Add</i>	358.39	
			<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	179.19	
			<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	358.39	
23 51 16 00-0220	EA		48" Round Flue/Vent, 45 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	2,686.29	101.74
			<i>For 316 Stainless Steel, Add</i>	486.38	
			<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	243.19	
			<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	486.38	
23 51 16 00-0221			Tees <small>(23 51 16 00-0175)</small>		
23 51 16 00-0222	EA		6" Round Flue/Vent, Tee, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	287.46	28.30
			<i>For 316 Stainless Steel, Add</i>	47.68	
			<i>For Tee Cap, Add</i>	68.10	
			<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	21.67	
			<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	43.35	
23 51 16 00-0223	EA		8" Round Flue/Vent, Tee, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	326.22	30.84
			<i>For 316 Stainless Steel, Add</i>	54.82	
			<i>For Tee Cap, Add</i>	76.80	
			<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	24.92	
			<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	49.83	
23 51 16 00-0224	EA		10" Round Flue/Vent, Tee, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	372.56	32.32
			<i>For 316 Stainless Steel, Add</i>	64.20	
			<i>For Tee Cap, Add</i>	86.62	
			<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	29.18	
			<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	58.37	
23 51 16 00-0225	EA		12" Round Flue/Vent, Tee, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	426.08	33.92
			<i>For 316 Stainless Steel, Add</i>	75.09	
			<i>For Tee Cap, Add</i>	97.93	
			<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	34.13	
			<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	68.26	
23 51 16 00-0226	EA		14" Round Flue/Vent, Tee, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	496.96	37.73
			<i>For 316 Stainless Steel, Add</i>	88.61	
			<i>For Tee Cap, Add</i>	113.52	
			<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	40.28	
			<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	80.55	
23 51 16 00-0227	EA		16" Round Flue/Vent, Tee, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	558.17	42.39
			<i>For 316 Stainless Steel, Add</i>	99.50	
			<i>For Tee Cap, Add</i>	127.52	
			<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	45.23	
			<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	90.45	
23 51 16 00-0228	EA		18" Round Flue/Vent, Tee, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	650.08	48.43
			<i>For 316 Stainless Steel, Add</i>	116.39	
			<i>For Tee Cap, Add</i>	148.17	
			<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	52.91	
			<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	105.81	
23 51 16 00-0229	EA		20" Round Flue/Vent, Tee, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	746.93	59.87
			<i>For 316 Stainless Steel, Add</i>	131.41	
			<i>For Tee Cap, Add</i>	171.83	
			<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	59.73	
			<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	119.46	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 16 00-0230 EA 24" Round Flue/Vent, Tee, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket.....	954.34	84.79
For 316 Stainless Steel, Add	163.32	
For Tee Cap, Add	222.66	
For 2" Insulated Wall Instead Of 1" Thickness, Add	74.24	
For 3" Insulated Wall Instead Of 1" Thickness, Add	148.48	
23 51 16 00-0231 EA 28" Round Flue/Vent, Tee, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket.....	1,152.74	92.52
For 316 Stainless Steel, Add	202.75	
For Tee Cap, Add	265.22	
For 2" Insulated Wall Instead Of 1" Thickness, Add	92.16	
For 3" Insulated Wall Instead Of 1" Thickness, Add	184.31	
23 51 16 00-0232 EA 32" Round Flue/Vent, Tee, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket.....	1,517.24	101.74
For 316 Stainless Steel, Add	277.84	
For Tee Cap, Add	341.60	
For 2" Insulated Wall Instead Of 1" Thickness, Add	126.29	
For 3" Insulated Wall Instead Of 1" Thickness, Add	252.58	
23 51 16 00-0233 EA 36" Round Flue/Vent, Tee, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket.....	1,690.71	113.08
For 316 Stainless Steel, Add	309.75	
For Tee Cap, Add	380.56	
For 2" Insulated Wall Instead Of 1" Thickness, Add	140.80	
For 3" Insulated Wall Instead Of 1" Thickness, Add	281.59	
23 51 16 00-0234 EA 42" Round Flue/Vent, Tee, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket.....	2,685.18	169.57
For 316 Stainless Steel, Add	497.48	
For Tee Cap, Add	600.62	
For 2" Insulated Wall Instead Of 1" Thickness, Add	226.13	
For 3" Insulated Wall Instead Of 1" Thickness, Add	452.25	
23 51 16 00-0235 EA 48" Round Flue/Vent, Tee, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket.....	3,367.31	203.48
For 316 Stainless Steel, Add	628.89	
For Tee Cap, Add	749.77	
For 2" Insulated Wall Instead Of 1" Thickness, Add	285.86	
For 3" Insulated Wall Instead Of 1" Thickness, Add	571.71	
23 51 16 00-0236 Bellows <small>(23 51 16 00-0175)</small>		
23 51 16 00-0237 EA 6" Round Flue/Vent, Bellows, Lined, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket.....	524.10	22.58
For 2" Insulated Wall Instead Of 1" Thickness, Add	46.76	
For 3" Insulated Wall Instead Of 1" Thickness, Add	93.52	
23 51 16 00-0238 EA 8" Round Flue/Vent, Bellows, Lined, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket.....	572.03	26.07
For 2" Insulated Wall Instead Of 1" Thickness, Add	50.69	
For 3" Insulated Wall Instead Of 1" Thickness, Add	101.37	
23 51 16 00-0239 EA 10" Round Flue/Vent, Bellows, Lined, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket.....	625.37	28.30
For 2" Insulated Wall Instead Of 1" Thickness, Add	55.47	
For 3" Insulated Wall Instead Of 1" Thickness, Add	110.93	
23 51 16 00-0240 EA 12" Round Flue/Vent, Bellows, Lined, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket.....	691.43	30.84
For 2" Insulated Wall Instead Of 1" Thickness, Add	61.44	
For 3" Insulated Wall Instead Of 1" Thickness, Add	122.88	
23 51 16 00-0241 EA 14" Round Flue/Vent, Bellows, Lined, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket.....	771.94	32.32
For 2" Insulated Wall Instead Of 1" Thickness, Add	69.12	
For 3" Insulated Wall Instead Of 1" Thickness, Add	138.24	
23 51 16 00-0242 EA 16" Round Flue/Vent, Bellows, Lined, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket.....	852.74	33.92
For 2" Insulated Wall Instead Of 1" Thickness, Add	76.80	
For 3" Insulated Wall Instead Of 1" Thickness, Add	153.59	
23 51 16 00-0243 EA 18" Round Flue/Vent, Bellows, Lined, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket.....	951.07	35.72
For 2" Insulated Wall Instead Of 1" Thickness, Add	86.18	
For 3" Insulated Wall Instead Of 1" Thickness, Add	172.37	
23 51 16 00-0244 EA 20" Round Flue/Vent, Bellows, Lined, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket.....	1,114.07	56.49
For 2" Insulated Wall Instead Of 1" Thickness, Add	97.28	
For 3" Insulated Wall Instead Of 1" Thickness, Add	194.55	
23 51 16 00-0245 EA 24" Round Flue/Vent, Bellows, Lined, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket.....	1,370.67	63.58
For 2" Insulated Wall Instead Of 1" Thickness, Add	121.17	
For 3" Insulated Wall Instead Of 1" Thickness, Add	242.34	
23 51 16 00-0246 EA 28" Round Flue/Vent, Bellows, Lined, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket.....	1,534.88	67.83
For 2" Insulated Wall Instead Of 1" Thickness, Add	136.53	
For 3" Insulated Wall Instead Of 1" Thickness, Add	273.06	
23 51 16 00-0247 EA 32" Round Flue/Vent, Bellows, Lined, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket.....	1,751.80	72.70
For 2" Insulated Wall Instead Of 1" Thickness, Add	157.01	
For 3" Insulated Wall Instead Of 1" Thickness, Add	314.02	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 50 Central Heating Equipment****23 51 Breechings, Chimneys, And Stacks**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 16 00-0248 EA 36" Round Flue/Vent, Bellows, Lined, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	2,003.91	84.79
For 2" Insulated Wall Instead Of 1" Thickness, Add	179.19	
For 3" Insulated Wall Instead Of 1" Thickness, Add	358.39	
23 51 16 00-0249 EA 42" Round Flue/Vent, Bellows, Lined, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	2,535.11	92.52
For 2" Insulated Wall Instead Of 1" Thickness, Add	230.39	
For 3" Insulated Wall Instead Of 1" Thickness, Add	460.78	
23 51 16 00-0250 EA 48" Round Flue/Vent, Bellows, Lined, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	3,070.28	101.74
For 2" Insulated Wall Instead Of 1" Thickness, Add	281.59	
For 3" Insulated Wall Instead Of 1" Thickness, Add	563.18	
23 51 16 00-0251 Ventilated Roof Thimbles (23 51 16 00-0175)		
23 51 16 00-0252 EA 6" Round Flue/Vent, Ventilated Roof Thimble, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	355.33	26.07
For 316 Stainless Steel, Add	29.01	
23 51 16 00-0253 EA 8" Round Flue/Vent, Ventilated Roof Thimble, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	387.65	30.84
For 316 Stainless Steel, Add	31.06	
23 51 16 00-0254 EA 10" Round Flue/Vent, Ventilated Roof Thimble, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	424.37	33.92
For 316 Stainless Steel, Add	33.96	
23 51 16 00-0255 EA 12" Round Flue/Vent, Ventilated Roof Thimble, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	459.48	37.73
For 316 Stainless Steel, Add	36.52	
23 51 16 00-0256 EA 14" Round Flue/Vent, Ventilated Roof Thimble, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	579.33	39.95
For 316 Stainless Steel, Add	47.96	
23 51 16 00-0257 EA 16" Round Flue/Vent, Ventilated Roof Thimble, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	522.37	42.39
For 316 Stainless Steel, Add	41.64	
23 51 16 00-0258 EA 18" Round Flue/Vent, Ventilated Roof Thimble, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	561.93	45.26
For 316 Stainless Steel, Add	44.88	
23 51 16 00-0259 EA 20" Round Flue/Vent, Ventilated Roof Thimble, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	640.24	63.58
For 316 Stainless Steel, Add	48.13	
23 51 16 00-0260 EA 24" Round Flue/Vent, Ventilated Roof Thimble, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	719.06	72.60
For 316 Stainless Steel, Add	53.76	
23 51 16 00-0261 EA 28" Round Flue/Vent, Ventilated Roof Thimble, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	818.45	78.21
For 316 Stainless Steel, Add	62.29	
23 51 16 00-0262 EA 32" Round Flue/Vent, Ventilated Roof Thimble, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	911.53	84.67
For 316 Stainless Steel, Add	69.97	
23 51 16 00-0263 EA 36" Round Flue/Vent, Ventilated Roof Thimble, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,022.16	101.63
For 316 Stainless Steel, Add	76.80	
23 51 16 00-0264 EA 42" Round Flue/Vent, Ventilated Roof Thimble, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,297.92	112.97
For 316 Stainless Steel, Add	101.54	
23 51 16 00-0265 EA 48" Round Flue/Vent, Ventilated Roof Thimble, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,597.69	127.07
For 316 Stainless Steel, Add	128.00	
23 51 16 00-0266 Exit Cones (23 51 16 00-0175)		
23 51 16 00-0267 EA 6" Round Flue/Vent, Exit Cone, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	243.40	14.73
23 51 16 00-0268 EA 8" Round Flue/Vent, Exit Cone, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	257.12	16.10
23 51 16 00-0269 EA 10" Round Flue/Vent, Exit Cone, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	276.19	16.96
23 51 16 00-0270 EA 12" Round Flue/Vent, Exit Cone, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	288.67	17.80
23 51 16 00-0271 EA 14" Round Flue/Vent, Exit Cone, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	317.16	18.34
23 51 16 00-0272 EA 16" Round Flue/Vent, Exit Cone, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	345.68	18.76
23 51 16 00-0273 EA 18" Round Flue/Vent, Exit Cone, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	417.03	19.39
23 51 16 00-0274 EA 20" Round Flue/Vent, Exit Cone, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	529.45	36.35
23 51 16 00-0275 EA 24" Round Flue/Vent, Exit Cone, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	660.99	39.11
23 51 16 00-0276 EA 28" Round Flue/Vent, Exit Cone, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	784.39	40.69
23 51 16 00-0277 EA 32" Round Flue/Vent, Exit Cone, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	959.31	42.39
23 51 16 00-0278 EA 36" Round Flue/Vent, Exit Cone, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,088.43	46.31



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 16 00-0279 EA 42" Round Flue/Vent, Exit Cone, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,366.99	48.43
23 51 16 00-0280 EA 48" Round Flue/Vent, Exit Cone, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,739.94	50.87
23 51 16 00-0281 Vent Top Caps <small>(23 51 16 00-0175)</small>		
23 51 16 00-0282 EA 6" Round Flue/Vent Top Caps, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	265.50	14.73
23 51 16 00-0283 EA 8" Round Flue/Vent Top Caps, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	306.61	16.10
23 51 16 00-0284 EA 10" Round Flue/Vent Top Caps, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	354.66	16.96
23 51 16 00-0285 EA 12" Round Flue/Vent Top Caps, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	406.39	17.80
23 51 16 00-0286 EA 14" Round Flue/Vent Top Caps, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	472.42	18.34
23 51 16 00-0287 EA 16" Round Flue/Vent Top Caps, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	535.17	18.87
23 51 16 00-0288 EA 18" Round Flue/Vent Top Caps, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	594.55	19.39
23 51 16 00-0289 EA 20" Round Flue/Vent Top Caps, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	722.21	36.35
23 51 16 00-0290 EA 24" Round Flue/Vent Top Caps, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	857.24	39.11
23 51 16 00-0291 EA 28" Round Flue/Vent Top Caps, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	929.40	40.69
23 51 16 00-0292 EA 32" Round Flue/Vent Top Caps, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,053.10	42.39
23 51 16 00-0293 EA 36" Round Flue/Vent Top Caps, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,224.83	46.20
23 51 16 00-0294 EA 42" Round Flue/Vent Top Caps, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,486.38	48.43
23 51 16 00-0295 EA 48" Round Flue/Vent Top Caps, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,722.79	50.87
23 51 16 00-0296 Roof Support Assemblies <small>(23 51 16 00-0175)</small>		
23 51 16 00-0297 EA 6" Round Flue/Vent, Roof Support Assembly, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	403.94	27.13
<i>For 316 Stainless Steel, Add</i>	67.24	
23 51 16 00-0298 EA 8" Round Flue/Vent, Roof Support Assembly, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	447.68	32.32
<i>For 316 Stainless Steel, Add</i>	73.38	
23 51 16 00-0299 EA 10" Round Flue/Vent, Roof Support Assembly, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	491.93	35.72
<i>For 316 Stainless Steel, Add</i>	80.55	
23 51 16 00-0300 EA 12" Round Flue/Vent, Roof Support Assembly, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	526.32	39.85
<i>For 316 Stainless Steel, Add</i>	85.33	
23 51 16 00-0301 EA 14" Round Flue/Vent, Roof Support Assembly, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	585.54	42.39
<i>For 316 Stainless Steel, Add</i>	95.91	
23 51 16 00-0302 EA 16" Round Flue/Vent, Roof Support Assembly, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	621.63	45.26
<i>For 316 Stainless Steel, Add</i>	101.71	
23 51 16 00-0303 EA 18" Round Flue/Vent, Roof Support Assembly, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	667.35	48.53
<i>For 316 Stainless Steel, Add</i>	109.22	
23 51 16 00-0304 EA 20" Round Flue/Vent, Roof Support Assembly, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	749.82	67.83
<i>For 316 Stainless Steel, Add</i>	116.05	
23 51 16 00-0305 EA 24" Round Flue/Vent, Roof Support Assembly, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	844.19	78.32
<i>For 316 Stainless Steel, Add</i>	129.70	
23 51 16 00-0306 EA 28" Round Flue/Vent, Roof Support Assembly, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	971.40	84.79
<i>For 316 Stainless Steel, Add</i>	151.89	
23 51 16 00-0307 EA 32" Round Flue/Vent, Roof Support Assembly, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,152.76	92.52
<i>For 316 Stainless Steel, Add</i>	184.31	
23 51 16 00-0308 EA 36" Round Flue/Vent, Roof Support Assembly, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,340.86	113.08
<i>For 316 Stainless Steel, Add</i>	211.62	
23 51 16 00-0309 EA 42" Round Flue/Vent, Roof Support Assembly, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,973.33	127.18
<i>For 316 Stainless Steel, Add</i>	331.08	
23 51 16 00-0310 EA 48" Round Flue/Vent, Roof Support Assembly, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	2,409.39	144.56
<i>For 316 Stainless Steel, Add</i>	409.59	
23 51 16 00-0311 Round Stainless Steel Double Wall Flue/Vent Pipe And Fittings <small>(23 51 16)</small>		
Note: With 1" insulation.		

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 50 Central Heating Equipment****23 51 Breechings, Chimneys, And Stacks**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 16 00-0312			Round Stainless Steel Double Wall Flue/Vent Pipe (23 51 16 00-0311) Note: With 1" insulation.		
23 51 16 00-0313	LF		6" Round Flue/Vent Pipe, Stainless Steel Flue/Vent Pipe.....	76.10	11.34
			For 2" Insulated Wall Instead Of 1" Thickness, Add	4.78	
			For 3" Insulated Wall Instead Of 1" Thickness, Add	9.56	
23 51 16 00-0314	LF		7" Round Flue/Vent Pipe, Stainless Steel Flue/Vent Pipe.....	91.74	12.08
			For 2" Insulated Wall Instead Of 1" Thickness, Add	6.14	
			For 3" Insulated Wall Instead Of 1" Thickness, Add	12.29	
23 51 16 00-0315	LF		8" Round Flue/Vent Pipe, Stainless Steel Flue/Vent Pipe.....	104.33	13.04
			For 2" Insulated Wall Instead Of 1" Thickness, Add	7.17	
			For 3" Insulated Wall Instead Of 1" Thickness, Add	14.34	
23 51 16 00-0316	LF		10" Round Flue/Vent Pipe, Stainless Steel Flue/Vent Pipe.....	139.33	14.09
			For 2" Insulated Wall Instead Of 1" Thickness, Add	10.41	
			For 3" Insulated Wall Instead Of 1" Thickness, Add	20.82	
23 51 16 00-0317	LF		12" Round Flue/Vent Pipe, Stainless Steel Flue/Vent Pipe.....	178.51	15.47
			For 2" Insulated Wall Instead Of 1" Thickness, Add	13.99	
			For 3" Insulated Wall Instead Of 1" Thickness, Add	27.99	
23 51 16 00-0318	LF		14" Round Flue/Vent Pipe, Stainless Steel Flue/Vent Pipe.....	224.78	16.22
			For 2" Insulated Wall Instead Of 1" Thickness, Add	18.43	
			For 3" Insulated Wall Instead Of 1" Thickness, Add	36.86	
23 51 16 00-0319			90 Degree Elbows (23 51 16 00-0311)		
23 51 16 00-0320	EA		6" Round Flue/Vent, 90 Degree Elbow, Stainless Steel Flue/Vent Pipe.....	163.19	22.58
			For 2" Insulated Wall Instead Of 1" Thickness, Add	10.67	
			For 3" Insulated Wall Instead Of 1" Thickness, Add	21.33	
23 51 16 00-0321	EA		7" Round Flue/Vent, 90 Degree Elbow, Stainless Steel Flue/Vent Pipe.....	179.97	24.17
			For 2" Insulated Wall Instead Of 1" Thickness, Add	11.95	
			For 3" Insulated Wall Instead Of 1" Thickness, Add	23.89	
23 51 16 00-0322	EA		8" Round Flue/Vent, 90 Degree Elbow, Stainless Steel Flue/Vent Pipe.....	201.73	26.07
			For 2" Insulated Wall Instead Of 1" Thickness, Add	13.65	
			For 3" Insulated Wall Instead Of 1" Thickness, Add	27.31	
23 51 16 00-0323	EA		10" Round Flue/Vent, 90 Degree Elbow, Stainless Steel Flue/Vent Pipe.....	248.18	28.30
			For 2" Insulated Wall Instead Of 1" Thickness, Add	17.75	
			For 3" Insulated Wall Instead Of 1" Thickness, Add	35.50	
23 51 16 00-0324	EA		12" Round Flue/Vent, 90 Degree Elbow, Stainless Steel Flue/Vent Pipe.....	293.80	30.84
			For 2" Insulated Wall Instead Of 1" Thickness, Add	21.67	
			For 3" Insulated Wall Instead Of 1" Thickness, Add	43.35	
23 51 16 00-0325	EA		14" Round Flue/Vent, 90 Degree Elbow, Stainless Steel Flue/Vent Pipe.....	340.11	32.32
			For 2" Insulated Wall Instead Of 1" Thickness, Add	25.94	
			For 3" Insulated Wall Instead Of 1" Thickness, Add	51.88	
23 51 16 00-0326			45 Degree Elbows (23 51 16 00-0311)		
23 51 16 00-0327	EA		6" Round Flue/Vent, 45 Degree Elbow, Stainless Steel Flue/Vent Pipe.....	136.54	22.58
			For 2" Insulated Wall Instead Of 1" Thickness, Add	8.00	
			For 3" Insulated Wall Instead Of 1" Thickness, Add	16.00	
23 51 16 00-0328	EA		7" Round Flue/Vent, 45 Degree Elbow, Stainless Steel Flue/Vent Pipe.....	150.11	24.17
			For 2" Insulated Wall Instead Of 1" Thickness, Add	8.96	
			For 3" Insulated Wall Instead Of 1" Thickness, Add	17.92	
23 51 16 00-0329	EA		8" Round Flue/Vent, 45 Degree Elbow, Stainless Steel Flue/Vent Pipe.....	167.62	26.07
			For 2" Insulated Wall Instead Of 1" Thickness, Add	10.24	
			For 3" Insulated Wall Instead Of 1" Thickness, Add	20.48	
23 51 16 00-0330	EA		10" Round Flue/Vent, 45 Degree Elbow, Stainless Steel Flue/Vent Pipe.....	203.81	28.30
			For 2" Insulated Wall Instead Of 1" Thickness, Add	13.31	
			For 3" Insulated Wall Instead Of 1" Thickness, Add	26.62	
23 51 16 00-0331	EA		12" Round Flue/Vent, 45 Degree Elbow, Stainless Steel Flue/Vent Pipe.....	239.59	30.84
			For 2" Insulated Wall Instead Of 1" Thickness, Add	16.26	
			For 3" Insulated Wall Instead Of 1" Thickness, Add	32.51	
23 51 16 00-0332	EA		14" Round Flue/Vent, 45 Degree Elbow, Stainless Steel Flue/Vent Pipe.....	275.31	32.32
			For 2" Insulated Wall Instead Of 1" Thickness, Add	19.46	
			For 3" Insulated Wall Instead Of 1" Thickness, Add	38.91	
23 51 16 00-0333			Tees With Tee Caps (23 51 16 00-0311)		
23 51 16 00-0334	EA		6" Round Flue/Vent, Tee, Stainless Steel Flue/Vent Pipe.....	257.86	22.58
			For 2" Insulated Wall Instead Of 1" Thickness, Add	20.14	
			For 3" Insulated Wall Instead Of 1" Thickness, Add	40.28	
23 51 16 00-0335	EA		7" Round Flue/Vent, Tee, Stainless Steel Flue/Vent Pipe.....	323.34	24.17
			For 2" Insulated Wall Instead Of 1" Thickness, Add	26.28	
			For 3" Insulated Wall Instead Of 1" Thickness, Add	52.56	
23 51 16 00-0336	EA		8" Round Flue/Vent, Tee, Stainless Steel Flue/Vent Pipe.....	362.13	26.07
			For 2" Insulated Wall Instead Of 1" Thickness, Add	29.70	
			For 3" Insulated Wall Instead Of 1" Thickness, Add	59.39	
23 51 16 00-0337	EA		10" Round Flue/Vent, Tee, Stainless Steel Flue/Vent Pipe.....	488.74	28.30
			For 2" Insulated Wall Instead Of 1" Thickness, Add	41.81	
			For 3" Insulated Wall Instead Of 1" Thickness, Add	83.62	
23 51 16 00-0338	EA		12" Round Flue/Vent, Tee, Stainless Steel Flue/Vent Pipe.....	665.80	30.84
			For 2" Insulated Wall Instead Of 1" Thickness, Add	58.88	
			For 3" Insulated Wall Instead Of 1" Thickness, Add	117.76	
23 51 16 00-0339	EA		14" Round Flue/Vent, Tee, Stainless Steel Flue/Vent Pipe.....	848.65	32.32
			For 2" Insulated Wall Instead Of 1" Thickness, Add	76.80	
			For 3" Insulated Wall Instead Of 1" Thickness, Add	153.59	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 16 00-0340 Joist Shields (23 51 16 00-0311)						
			EA	6" Round Flue/Vent, Joist Shield, Stainless Steel Flue/Vent Pipe	117.93	22.58
			EA	7" Round Flue/Vent, Joist Shield, Stainless Steel Flue/Vent Pipe	127.08	24.17
			EA	8" Round Flue/Vent, Joist Shield, Stainless Steel Flue/Vent Pipe	147.10	26.07
			EA	10" Round Flue/Vent, Joist Shield, Stainless Steel Flue/Vent Pipe	180.81	28.30
			EA	12" Round Flue/Vent, Joist Shield, Stainless Steel Flue/Vent Pipe	214.43	30.84
			EA	14" Round Flue/Vent, Joist Shield, Stainless Steel Flue/Vent Pipe	251.37	32.32
23 51 16 00-0347 Adjustable Roof Flashing (23 51 16 00-0311)						
			EA	6" Round Flue/Vent, Adjustable Roof Flashing, Stainless Steel Flue/Vent Pipe	137.55	22.58
			EA	7" Round Flue/Vent, Adjustable Roof Flashing, Stainless Steel Flue/Vent Pipe	152.67	24.17
			EA	8" Round Flue/Vent, Adjustable Roof Flashing, Stainless Steel Flue/Vent Pipe	165.85	26.07
			EA	10" Round Flue/Vent, Adjustable Roof Flashing, Stainless Steel Flue/Vent Pipe	199.55	28.30
			EA	12" Round Flue/Vent, Adjustable Roof Flashing, Stainless Steel Flue/Vent Pipe	243.51	30.84
			EA	14" Round Flue/Vent, Adjustable Roof Flashing, Stainless Steel Flue/Vent Pipe	288.88	32.22
23 51 16 00-0354 Vent Top Caps (23 51 16 00-0311)						
			EA	6" Round Flue/Vent Top Caps, Stainless Steel Flue/Vent Pipe	124.75	22.58
			EA	7" Round Flue/Vent Top Caps, Stainless Steel Flue/Vent Pipe	153.52	24.17
			EA	8" Round Flue/Vent Top Caps, Stainless Steel Flue/Vent Pipe	189.75	26.07
			EA	10" Round Flue/Vent Top Caps, Stainless Steel Flue/Vent Pipe	294.31	28.30
			EA	12" Round Flue/Vent Top Caps, Stainless Steel Flue/Vent Pipe	396.24	30.84
			EA	14" Round Flue/Vent Top Caps, Stainless Steel Flue/Vent Pipe	500.56	32.32
23 51 16 00-0361 Roof Support Assemblies (23 51 16 00-0311)						
			EA	6" Round Flue/Vent, Roof Support Assembly, Stainless Steel Flue/Vent Pipe	178.43	22.58
			EA	7" Round Flue/Vent, Roof Support Assembly, Stainless Steel Flue/Vent Pipe	197.89	24.17
			EA	8" Round Flue/Vent, Roof Support Assembly, Stainless Steel Flue/Vent Pipe	214.49	26.07
			EA	10" Round Flue/Vent, Roof Support Assembly, Stainless Steel Flue/Vent Pipe	266.90	28.30
			EA	12" Round Flue/Vent, Roof Support Assembly, Stainless Steel Flue/Vent Pipe	314.28	30.84
			EA	14" Round Flue/Vent, Roof Support Assembly, Stainless Steel Flue/Vent Pipe	381.09	32.32
23 51 16 00-0368 Polyvinyl Chloride (PVC) Flue/Vent Accessories (23 51 16)						
23 51 16 00-0369 Concentric Polyvinyl Chloride (PVC) Vent Termination (23 51 16 00-0368)						
			EA	2" Concentric Polyvinyl Chloride (PVC) Vent Termination	160.28	43.18
			EA	3" Concentric Polyvinyl Chloride (PVC) Vent Termination	170.84	43.18
23 51 16 00-0372 Polypropylene (PP) Flue/Vent Pipe And Fittings (23 51 16)						
Note: Centrotherm InnoFlue® Vent System						
23 51 16 00-0373 Polypropylene Flue/Vent Rigid Pipe Sections (23 51 16 00-0372)						
Note: Gasketed rigid single wall polypropylene vent lengths with dedicated male and female ends.						
			EA	2" x 12" Polypropylene Flue/Vent Rigid Pipe Section	36.91	13.11
			EA	2" x 24" Polypropylene Flue/Vent Rigid Pipe Section	40.82	13.80
			EA	2" x 36" Polypropylene Flue/Vent Rigid Pipe Section	46.28	15.33
			EA	2" x 72" Polypropylene Flue/Vent Rigid Pipe Section	56.44	18.03
			EA	3" x 12" Polypropylene Flue/Vent Rigid Pipe Section	43.61	15.03
			EA	3" x 24" Polypropylene Flue/Vent Rigid Pipe Section	50.24	15.82
			EA	3" x 36" Polypropylene Flue/Vent Rigid Pipe Section	59.75	17.58
			EA	3" x 72" Polypropylene Flue/Vent Rigid Pipe Section	72.80	20.68
			EA	4" x 12" Polypropylene Flue/Vent Rigid Pipe Section	66.95	19.88
			EA	4" x 24" Polypropylene Flue/Vent Rigid Pipe Section	76.43	20.92
			EA	4" x 36" Polypropylene Flue/Vent Rigid Pipe Section	92.17	23.25
			EA	4" x 72" Polypropylene Flue/Vent Rigid Pipe Section	116.56	27.35
			EA	5" x 12" Polypropylene Flue/Vent Rigid Pipe Section	99.16	29.34
			EA	5" x 24" Polypropylene Flue/Vent Rigid Pipe Section	110.64	30.88
			EA	5" x 36" Polypropylene Flue/Vent Rigid Pipe Section	137.80	34.32
			EA	5" x 72" Polypropylene Flue/Vent Rigid Pipe Section	174.75	40.38
23 51 16 00-0390 Polypropylene Flue/Vent Elbows (23 51 16 00-0372)						
Note: Gasketed rigid single wall polypropylene vent fittings with dedicated male and female ends.						
			EA	2" Polypropylene Flue/Vent 15 Degree Elbow	45.35	15.93
			EA	3" Polypropylene Flue/Vent 15 Degree Elbow	51.11	16.77
			EA	4" Polypropylene Flue/Vent 15 Degree Elbow	60.13	17.38
			EA	5" Polypropylene Flue/Vent 15 Degree Elbow	67.65	18.10
			EA	2" Polypropylene Flue/Vent 30 Degree Elbow	45.35	15.93
			EA	3" Polypropylene Flue/Vent 30 Degree Elbow	51.11	16.77
			EA	4" Polypropylene Flue/Vent 30 Degree Elbow	60.13	17.38
			EA	5" Polypropylene Flue/Vent 30 Degree Elbow	67.65	18.10
			EA	2" Polypropylene Flue/Vent 45 Degree Elbow	45.35	15.93
			EA	3" Polypropylene Flue/Vent 45 Degree Elbow	51.11	16.77
			EA	4" Polypropylene Flue/Vent 45 Degree Elbow	60.13	17.38

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 50 Central Heating Equipment****23 51 Breechings, Chimneys, And Stacks**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	23 51 16 00-0402	EA	5" Polypropylene Flue/Vent 45 Degree Elbow	67.65	18.10
	23 51 16 00-0403	EA	2" Polypropylene Flue/Vent 87 Degree Elbow	45.35	15.93
	23 51 16 00-0404	EA	3" Polypropylene Flue/Vent 87 Degree Elbow	51.11	16.77
	23 51 16 00-0405	EA	4" Polypropylene Flue/Vent 87 Degree Elbow	59.61	17.38
	23 51 16 00-0406	EA	5" Polypropylene Flue/Vent 87 Degree Elbow	68.93	18.10
23 51 16 00-0407	Polypropylene Flue/Vent Tees <small>(23 51 16 00-0372)</small>				
	Note: Gasketed rigid single wall polypropylene vent fittings with dedicated male and female ends.				
	23 51 16 00-0408	EA	2" Polypropylene Flue/Vent Tee	114.36	23.90
	23 51 16 00-0409	EA	3" Polypropylene Flue/Vent Tee	138.62	25.16
	23 51 16 00-0410	EA	4" Polypropylene Flue/Vent Tee	159.09	26.07
	23 51 16 00-0411	EA	5" Polypropylene Flue/Vent Tee	172.62	27.13
23 51 16 00-0412	Polypropylene Flue/Vent Adaptors <small>(23 51 16 00-0372)</small>				
	Note: Gasketed rigid single wall polypropylene vent fittings with dedicated male and female ends.				
	23 51 16 00-0413	EA	2" Polypropylene Flue/Vent Adaptor With Gasket.....	50.41	15.93
	23 51 16 00-0414	EA	3" Polypropylene Flue/Vent Adaptor With Gasket.....	65.84	16.77
	23 51 16 00-0415	EA	4" Polypropylene Flue/Vent Adaptor With Gasket.....	74.39	17.38
	23 51 16 00-0416	EA	5" Polypropylene Flue/Vent Adaptor With Gasket.....	95.53	18.10
23 51 16 00-0417	Polypropylene Flue/Vent Increases <small>(23 51 16 00-0372)</small>				
	Note: Gasketed rigid single wall polypropylene vent fittings with dedicated male and female ends.				
	23 51 16 00-0418	EA	2" to 3" Polypropylene Flue/Vent Centric Increaser	54.47	16.36
	23 51 16 00-0419	EA	3" to 4" Polypropylene Flue/Vent Centric Increaser	58.78	17.07
	23 51 16 00-0420	EA	4" to 5" Polypropylene Flue/Vent Centric Increaser	92.06	17.73
	23 51 16 00-0421	EA	2" to 3" Polypropylene Flue/Vent Eccentric Increaser.....	67.45	16.36
	23 51 16 00-0422	EA	3" to 4" Polypropylene Flue/Vent Eccentric Increaser.....	57.72	17.07
	23 51 16 00-0423	EA	4" to 5" Polypropylene Flue/Vent Eccentric Increaser.....	119.78	17.73
23 51 16 00-0424	Polypropylene Flue/Vent Reducers <small>(23 51 16 00-0372)</small>				
	Note: Gasketed rigid single wall polypropylene vent fittings with dedicated male and female ends.				
	23 51 16 00-0425	EA	3" to 2" Polypropylene Flue/Vent Reducer	54.47	16.36
	23 51 16 00-0426	EA	4" to 3" Polypropylene Flue/Vent Reducer	58.78	17.07
	23 51 16 00-0427	EA	5" to 4" Polypropylene Flue/Vent Reducer	109.34	17.73
23 51 16 00-0428	Polypropylene Flue/Vent Test Ports <small>(23 51 16 00-0372)</small>				
	Note: Gasketed rigid single wall polypropylene vent fittings with dedicated male and female ends.				
	23 51 16 00-0429	EA	2" Polypropylene Flue/Vent Test Port	72.43	23.90
	23 51 16 00-0430	EA	3" Polypropylene Flue/Vent Test Port	79.51	25.16
	23 51 16 00-0431	EA	4" Polypropylene Flue/Vent Test Port	108.59	26.07
	23 51 16 00-0432	EA	5" Polypropylene Flue/Vent Test Port	115.20	27.13
23 51 16 00-0433	Polypropylene Flue/Vent Cascade Components <small>(23 51 16 00-0372)</small>				
	Note: Gasketed rigid single wall polypropylene vent fittings with dedicated male and female ends.				
	23 51 16 00-0434	EA	4" x 15" Polypropylene Flue/Vent Branch Tee With 4" Feeder	161.42	26.07
	23 51 16 00-0435	EA	4" x 42" Polypropylene Flue/Vent Branch Tee With 4" Feeder	209.76	32.59
	23 51 16 00-0436	EA	5" x 12" Polypropylene Flue/Vent Branch Tee With 4" Feeder	138.77	27.13
	23 51 16 00-0437	EA	5" x 42" Polypropylene Flue/Vent Branch Tee With 4" Feeder	198.94	33.92
	23 51 16 00-0438	EA	3" to 4" Polypropylene Flue/Vent Non-Return Valve.....	188.93	17.07
	23 51 16 00-0439	EA	4" to 4" Polypropylene Flue/Vent Non-Return Valve.....	216.59	17.73
23 51 16 00-0440	Polypropylene Flue/Vent Condensate Management <small>(23 51 16 00-0372)</small>				
	Note: Gasketed rigid single wall polypropylene vent fittings with dedicated male and female ends.				
	23 51 16 00-0441	EA	2" Polypropylene Flue/Vent Horizontal Drain Tee.....	89.96	23.90
	23 51 16 00-0442	EA	3" Polypropylene Flue/Vent Horizontal Drain Tee.....	104.79	25.16
	23 51 16 00-0443	EA	4" Polypropylene Flue/Vent Horizontal Drain Tee.....	117.13	26.07
	23 51 16 00-0444	EA	5" Polypropylene Flue/Vent Horizontal Drain Tee.....	130.89	27.13
	23 51 16 00-0445	EA	4" Polypropylene Flue/Vent Horizontal Drain Fittings	140.85	26.07
	23 51 16 00-0446	EA	5" Polypropylene Flue/Vent Horizontal Drain Fittings	153.58	27.13
	23 51 16 00-0447	EA	2" Polypropylene Flue/Vent Tee Cap	45.71	7.97
	23 51 16 00-0448	EA	3" Polypropylene Flue/Vent Tee Cap	56.74	8.38
	23 51 16 00-0449	EA	4" Polypropylene Flue/Vent Tee Cap	66.08	8.69
	23 51 16 00-0450	EA	5" Polypropylene Flue/Vent Tee Cap	83.88	9.04
	23 51 16 00-0451	EA	2" Polypropylene Flue/Vent Tee Cap With Drain	97.54	23.90
	23 51 16 00-0452	EA	3" Polypropylene Flue/Vent Tee Cap With Drain	115.31	25.16
	23 51 16 00-0453	EA	4" Polypropylene Flue/Vent Tee Cap With Drain	130.18	26.07
	23 51 16 00-0454	EA	5" Polypropylene Flue/Vent Tee Cap With Drain	152.33	27.13
23 51 16 00-0455	Polypropylene Flue/Vent Terminations <small>(23 51 16 00-0372)</small>				
	23 51 16 00-0456	EA	2" Polypropylene-UV Black Flue/Vent Chimney Cover	110.81	15.93
	23 51 16 00-0457	EA	3" Polypropylene-UV Black Flue/Vent Chimney Cover	100.63	16.77
	23 51 16 00-0458	EA	4" Polypropylene-UV Black Flue/Vent Chimney Cover	122.11	17.38
	23 51 16 00-0459	EA	3" Stainless Steel Chimney Cover With Polypropylene-UV Black End Pipe.....	229.64	16.77



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 16 00-0460	EA		4" Stainless Steel Chimney Cover With Polypropylene-UV Black End Pipe.....	244.64	17.38
23 51 16 00-0461	EA		5" Stainless Steel Chimney Cover With Polypropylene-UV Black End Pipe.....	283.26	18.10
23 51 16 00-0462	EA		2 1/4" Polypropylene-UV Black Flue/Vent B-Vent Chimney Cover Rain Collar.....	72.33	15.93
23 51 16 00-0463	EA		2 1/5" Polypropylene-UV Black Flue/Vent B-Vent Chimney Cover Rain Collar.....	75.58	15.93
23 51 16 00-0464	EA		2 1/6" Polypropylene-UV Black Flue/Vent B-Vent Chimney Cover Rain Collar.....	78.83	15.93
23 51 16 00-0465	EA		2 1/7" Polypropylene-UV Black Flue/Vent B-Vent Chimney Cover Rain Collar.....	82.08	15.93
23 51 16 00-0466	EA		3 1/4" Polypropylene-UV Black Flue/Vent B-Vent Chimney Cover Rain Collar.....	77.68	16.77
23 51 16 00-0467	EA		3 1/5" Polypropylene-UV Black Flue/Vent B-Vent Chimney Cover Rain Collar.....	80.93	16.77
23 51 16 00-0468	EA		3 1/6" Polypropylene-UV Black Flue/Vent B-Vent Chimney Cover Rain Collar.....	84.18	16.77
23 51 16 00-0469	EA		3 1/7" Polypropylene-UV Black Flue/Vent B-Vent Chimney Cover Rain Collar.....	87.43	16.77
23 51 16 00-0470	EA		4 1/5" Polypropylene-UV Black Flue/Vent B-Vent Chimney Cover Rain Collar.....	85.70	17.38
23 51 16 00-0471	EA		4 1/6" Polypropylene-UV Black Flue/Vent B-Vent Chimney Cover Rain Collar.....	88.95	17.38
23 51 16 00-0472	EA		4 1/7" Polypropylene-UV Black Flue/Vent B-Vent Chimney Cover Rain Collar.....	92.20	17.38
23 51 16 00-0473	EA		2" Polypropylene-UV Black Flue/Vent Low Profile Wall Termination.....	75.55	15.93
23 51 16 00-0474	EA		3" Polypropylene-UV Black Flue/Vent Low Profile Wall Termination.....	92.95	16.77
23 51 16 00-0475	EA		2" Polypropylene-UV Black Flue/Vent Termination Tee.....	93.48	23.90
23 51 16 00-0476	EA		3" Polypropylene-UV Black Flue/Vent Termination Tee.....	116.45	25.16
23 51 16 00-0477	EA		4" Polypropylene-UV Black Flue/Vent Termination Tee.....	133.81	26.07
23 51 16 00-0478	EA		5" Polypropylene-UV Black Flue/Vent Termination Tee.....	145.75	27.13
23 51 16 00-0479	EA		2" x 20" Polypropylene-UV Black Flue/Vent End Pipe.....	38.85	13.80
23 51 16 00-0480	EA		2" x 39" Polypropylene-UV Black Flue/Vent End Pipe.....	45.24	15.33
23 51 16 00-0481	EA		3" x 20" Polypropylene-UV Black Flue/Vent End Pipe.....	45.91	15.82
23 51 16 00-0482	EA		3" x 39" Polypropylene-UV Black Flue/Vent End Pipe.....	55.07	17.58
23 51 16 00-0483	EA		4" x 20" Polypropylene-UV Black Flue/Vent End Pipe.....	66.20	20.92
23 51 16 00-0484	EA		5" x 20" Polypropylene-UV Black Flue/Vent End Pipe.....	93.48	30.88
23 51 16 00-0485	EA		5" x 39" Polypropylene-UV Black Flue/Vent End Pipe.....	110.02	34.32
23 51 16 00-0486	EA		2" x 24" Polypropylene-UV Black Flue/Vent Vent Length.....	41.46	13.80
23 51 16 00-0487	EA		3" x 24" Polypropylene-UV Black Flue/Vent Vent Length.....	51.31	15.82
23 51 16 00-0488	EA		4" x 24" Polypropylene-UV Black Flue/Vent Vent Length.....	78.84	20.92
23 51 16 00-0489	EA		2" Polypropylene-UV Black Flue/Vent 45 Degree Elbow.....	46.38	15.93
23 51 16 00-0490	EA		3" Polypropylene-UV Black Flue/Vent 45 Degree Elbow.....	52.41	16.77
23 51 16 00-0491	EA		4" Polypropylene-UV Black Flue/Vent 45 Degree Elbow.....	61.79	17.38
23 51 16 00-0492	EA		2" Polypropylene-UV Black Flue/Vent 87 Degree Elbow.....	45.89	15.93
23 51 16 00-0493	EA		3" Polypropylene-UV Black Flue/Vent 87 Degree Elbow.....	52.09	16.77
23 51 16 00-0494	EA		4" Polypropylene-UV Black Flue/Vent 87 Degree Elbow.....	61.22	17.38
23 51 16 00-0495	EA		2" Polypropylene-UV Black Bird Screen For Polypropylene Flue/Vent.....	27.40	7.97
23 51 16 00-0496	EA		3" Polypropylene-UV Black Bird Screen For Polypropylene Flue/Vent.....	31.00	8.38
23 51 16 00-0497	EA		4" Polypropylene-UV Black Bird Screen For Polypropylene Flue/Vent.....	34.00	8.69
23 51 16 00-0498	EA		3" Stainless Steel Bird Screen For Polypropylene Flue/Vent.....	57.63	8.38
23 51 16 00-0499	EA		5" Stainless Steel Bird Screen For Polypropylene Flue/Vent.....	65.62	9.04
23 51 16 00-0500	Polypropylene Flue/Vent Accessories (23 51 16 00-0372)				
23 51 16 00-0501	EA		2" Spacer For Polypropylene Flue/Vent.....	13.89	3.98
23 51 16 00-0502	EA		3" Spacer For Polypropylene Flue/Vent.....	13.65	4.19
23 51 16 00-0503	EA		4" Spacer For Polypropylene Flue/Vent.....	14.09	4.34
23 51 16 00-0504	EA		5" Spacer For Polypropylene Flue/Vent.....	19.81	4.52
23 51 16 00-0505	EA		2" Flue Clamp For Polypropylene Flue/Vent.....	24.62	5.98
23 51 16 00-0506	EA		3" Flue Clamp For Polypropylene Flue/Vent.....	28.17	6.28
23 51 16 00-0507	EA		4" Flue Clamp For Polypropylene Flue/Vent.....	31.89	6.51
23 51 16 00-0508	EA		2" Support Clamp For Polypropylene Flue/Vent.....	23.72	5.98
23 51 16 00-0509	EA		4" Support Clamp For Polypropylene Flue/Vent.....	24.24	6.51
23 51 16 00-0510	EA		5" Support Clamp For Polypropylene Flue/Vent.....	28.35	6.79
23 51 16 00-0511	EA		3" Plastic Support Clamp For Polypropylene Flue/Vent.....	19.88	6.28
23 51 16 00-0512	EA		2" Polypropylene-UV Black Wall Plate For Polypropylene Flue/Vent.....	43.11	15.93
23 51 16 00-0513	EA		3" Polypropylene-UV Black Wall Plate For Polypropylene Flue/Vent.....	46.71	16.77
23 51 16 00-0514	EA		4" Polypropylene-UV Black Wall Plate For Polypropylene Flue/Vent.....	49.59	17.38
23 51 16 00-0515	EA		5" Polypropylene-UV Black Wall Plate For Polypropylene Flue/Vent.....	54.03	18.10
23 51 16 00-0516	EA		2" Single Wall EDPM Gasket For Polypropylene Flue/Vent.....	2.09	
23 51 16 00-0517	EA		3" Single Wall EDPM Gasket For Polypropylene Flue/Vent.....	2.33	
23 51 16 00-0518	EA		4" Single Wall EDPM Gasket For Polypropylene Flue/Vent.....	3.16	
23 51 16 00-0519	EA		5" Single Wall EDPM Gasket For Polypropylene Flue/Vent.....	5.22	
23 51 16 00-0520	EA		2" Connector Ring For Polypropylene Flue/Vent.....	12.20	3.98
23 51 16 00-0521	EA		3" Connector Ring For Polypropylene Flue/Vent.....	13.49	4.19
23 51 16 00-0522	EA		4" Connector Ring For Polypropylene Flue/Vent.....	14.35	4.34
23 51 16 00-0523	EA		5" Connector Ring For Polypropylene Flue/Vent.....	15.57	4.52
23 51 16 00-0524	EA		2 1/4" Polypropylene Flue/Vent Air Intake, White.....	48.97	7.97
23 51 16 00-0525	EA		3 1/5" Polypropylene Flue/Vent Air Intake, White.....	50.42	8.38
23 51 16 00-0526	EA		4 1/6" Polypropylene Flue/Vent Air Intake, White.....	39.97	8.69
23 51 16 00-0527	EA		2" Base Support For Polypropylene Flue/Vent.....	41.60	5.98
23 51 16 00-0528	EA		3" Base Support For Polypropylene Flue/Vent.....	43.03	6.28
23 51 16 00-0529	EA		4" Base Support For Polypropylene Flue/Vent.....	55.82	6.51
23 51 16 00-0530	EA		5" Base Support For Polypropylene Flue/Vent.....	90.25	6.79
23 51 16 00-0531	Polypropylene Flue/Vent Flex Pipe (23 51 16 00-0372)				
23 51 16 00-0532	LF		2", Up To 50', Polypropylene Flue/Vent Flex Pipe.....	7.84	1.40
23 51 16 00-0533	LF		2", > 50', Polypropylene Flue/Vent Flex Pipe.....	6.97	1.40
23 51 16 00-0534	LF		3", Up To 50', Polypropylene Flue/Vent Flex Pipe.....	9.56	1.65
23 51 16 00-0535	LF		3", > 50', Polypropylene Flue/Vent Flex Pipe.....	8.47	1.65
23 51 16 00-0536	LF		4", Up To 50', Polypropylene Flue/Vent Flex Pipe.....	13.44	2.03

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 50 Central Heating Equipment****23 51 Breechings, Chimneys, And Stacks**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 16 00-0537 LF 4", > 50', Polypropylene Flue/Vent Flex Pipe.....	11.77	2.03
23 51 16 00-0538 Polypropylene Flue/Vent Couplers (23 51 16 00-0372)		
Note: Gasketed rigid single wall polypropylene vent fittings with dedicated male and female ends.		
23 51 16 00-0539 EA 2" Polypropylene Flue/Vent Coupler, Single Wall to Flex.....	61.36	15.93
23 51 16 00-0540 EA 2" Polypropylene Flue/Vent Coupler, Flex to Single Wall.....	66.79	15.93
23 51 16 00-0541 EA 3" Polypropylene Flue/Vent Coupler, Flex to Single Wall.....	120.09	16.77
23 51 16 00-0542 EA 4" Polypropylene Flue/Vent Coupler, Flex to Single Wall.....	205.95	17.38
23 51 16 00-0543 EA 2" Polypropylene Flue/Vent Coupler, Flex to Flex.....	68.39	15.93
23 51 16 00-0544 EA 3" Polypropylene Flue/Vent Coupler, Flex to Flex.....	139.92	16.77
23 51 16 00-0545 EA 4" Polypropylene Flue/Vent Coupler, Flex to Flex.....	335.95	17.38
23 51 16 00-0546 Polypropylene Flue/Vent Flex End Terminations (23 51 16 00-0372)		
23 51 16 00-0547 EA 2" Polypropylene-UV Black Flue/Vent Flex End Pipe Termination.....	75.59	15.93
23 51 16 00-0548 EA 3" Polypropylene-UV Black Flue/Vent Flex End Pipe Termination.....	71.92	16.77
23 51 16 00-0549 EA 4" Polypropylene-UV Black Flue/Vent Flex End Pipe Termination.....	85.52	17.38
23 52 Heating Boilers (23 50)		
23 52 13 Electric Boilers (23 52)		
23 52 13 00-0001 Packaged Electric Steam Boiler (23 52 13)		
Note: Includes burners, standard controls and safety controls (low water cut-off, high/low temperature and pressure operating controls, flame failure, main and pilot gas control, etc.) Rated by KW and MBH output.		
23 52 13 00-0002 EA 12 KW, 42 MBH Electric Steam Boiler With Packaged Standard Controls.....	11,147.74	615.61
23 52 13 00-0003 EA 24 KW, 84 MBH Electric Steam Boiler With Packaged Standard Controls.....	12,104.19	718.21
23 52 13 00-0004 EA 36 KW, 126 MBH Electric Steam Boiler With Packaged Standard Controls.....	13,258.54	769.52
23 52 13 00-0005 EA 48 KW, 168 MBH Electric Steam Boiler With Packaged Standard Controls.....	14,923.74	820.83
23 52 13 00-0006 EA 60 KW, 210 MBH Electric Steam Boiler With Packaged Standard Controls.....	16,543.86	872.13
23 52 13 00-0007 EA 80 KW, 280 MBH Electric Steam Boiler With Packaged Standard Controls.....	19,453.57	974.73
23 52 13 00-0008 EA 100 KW, 350 MBH Electric Steam Boiler With Packaged Standard Controls.....	22,363.27	1,077.33
23 52 13 00-0009 EA 120 KW, 420 MBH Electric Steam Boiler With Packaged Standard Controls.....	23,036.84	1,128.63
23 52 13 00-0010 EA 140 KW, 490 MBH Electric Steam Boiler With Packaged Standard Controls.....	23,695.37	1,179.93
23 52 13 00-0011 EA 160 KW, 560 MBH Electric Steam Boiler With Packaged Standard Controls.....	31,863.82	1,282.54
23 52 13 00-0012 EA 180 KW, 630 MBH Electric Steam Boiler With Packaged Standard Controls.....	33,318.67	1,333.84
23 52 13 00-0013 EA 200 KW, 700 MBH Electric Steam Boiler With Packaged Standard Controls.....	34,696.95	1,346.85
23 52 13 00-0014 EA 220 KW, 770 MBH Electric Steam Boiler With Packaged Standard Controls.....	36,248.73	1,446.62
23 52 13 00-0015 EA 240 KW, 840 MBH Electric Steam Boiler With Packaged Standard Controls.....	39,272.97	1,546.38
23 52 13 00-0016 EA 260 KW, 910 MBH Electric Steam Boiler With Packaged Standard Controls.....	42,457.06	1,696.04
23 52 13 00-0017 EA 280 KW, 980 MBH Electric Steam Boiler With Packaged Standard Controls.....	44,810.58	1,745.92
23 52 13 00-0018 EA 300 KW, 1,050 MBH Electric Steam Boiler With Packaged Standard Controls.....	47,164.10	1,795.80
23 52 13 00-0019 EA 320 KW, 1,120 MBH Electric Steam Boiler With Packaged Standard Controls.....	48,766.36	1,845.68
23 52 13 00-0020 EA 360 KW, 1,260 MBH Electric Steam Boiler With Packaged Standard Controls.....	50,368.64	1,895.56
23 52 13 00-0021 EA 400 KW, 1,400 MBH Electric Steam Boiler With Packaged Standard Controls.....	53,873.66	1,995.34
23 52 13 00-0022 EA 460 KW, 1,610 MBH Electric Steam Boiler With Packaged Standard Controls.....	57,378.70	2,095.10
23 52 13 00-0023 EA 500 KW, 1,750 MBH Electric Steam Boiler With Packaged Standard Controls.....	60,783.97	2,144.98
23 52 13 00-0024 EA 600 KW, 2,100 MBH Electric Steam Boiler With Packaged Standard Controls.....	68,396.23	2,194.86
23 52 13 00-0025 EA 700 KW, 2,450 MBH Electric Steam Boiler With Packaged Standard Controls.....	73,554.02	2,294.63
23 52 13 00-0026 EA 756 KW, 2,646 MBH Electric Steam Boiler With Packaged Standard Controls.....	75,406.30	2,394.40
23 52 13 00-0027 EA 828 KW, 2,898 MBH Electric Steam Boiler With Packaged Standard Controls.....	84,119.60	2,544.05
23 52 13 00-0028 EA 936 KW, 3,276 MBH Electric Steam Boiler With Packaged Standard Controls.....	86,522.40	2,693.70
23 52 13 00-0029 EA 1,008 KW, 3,528 MBH Electric Steam Boiler With Packaged Standard Controls.....	88,925.20	2,843.35
23 52 13 00-0030 EA 1,116 KW, 3,906 MBH Electric Steam Boiler With Packaged Standard Controls.....	95,535.00	2,993.00
23 52 13 00-0031 EA 1,224 KW, 4,284 MBH Electric Steam Boiler With Packaged Standard Controls.....	98,439.03	3,092.77
23 52 13 00-0032 EA 1,368 KW, 4,788 MBH Electric Steam Boiler With Packaged Standard Controls.....	102,444.10	3,292.30
23 52 13 00-0033 EA 1,440 KW, 5,040 MBH Electric Steam Boiler With Packaged Standard Controls.....	106,148.67	3,491.83
23 52 13 00-0034 EA 1,512 KW, 5,292 MBH Electric Steam Boiler With Packaged Standard Controls.....	117,065.23	3,691.36
23 52 13 00-0035 EA 1,620 KW, 5,670 MBH Electric Steam Boiler With Packaged Standard Controls.....	123,774.80	3,890.90
23 52 13 00-0036 Packaged Electric Hot Water Boiler (23 52 13)		
Note: Flush jacketed steel shell. Includes burners, and safety controls (low water cut-off, high/low temperature and pressure operating controls, flame failure, main and pilot gas control, etc.). Rated by KW and MBH output.		
23 52 13 00-0037 EA 9 KW, 31 MBH, Electric Hot Boiler With Packaged Standard Controls.....	9,392.38	564.31
23 52 13 00-0038 EA 12 KW, 41 MBH, Electric Hot Boiler With Packaged Standard Controls.....	10,095.99	615.61
23 52 13 00-0039 EA 18 KW, 61 MBH, Electric Hot Boiler With Packaged Standard Controls.....	10,799.58	666.91
23 52 13 00-0040 EA 24 KW, 82 MBH, Electric Hot Boiler With Packaged Standard Controls.....	11,398.02	718.21
23 52 13 00-0041 EA 36 KW, 123 MBH, Electric Hot Boiler With Packaged Standard Controls.....	12,011.46	769.52
23 52 13 00-0042 EA 48 KW, 164 MBH, Electric Hot Boiler With Packaged Standard Controls.....	12,609.89	820.83
23 52 13 00-0043 EA 60 KW, 205 MBH Electric Hot Boiler With Packaged Standard Controls.....	13,313.49	872.13
23 52 13 00-0044 EA 72 KW, 246 MBH Electric Hot Boiler With Packaged Standard Controls.....	14,317.59	923.43
23 52 13 00-0045 EA 84 KW, 287 MBH Electric Hot Boiler With Packaged Standard Controls.....	14,916.03	974.73
23 52 13 00-0046 EA 90 KW, 307 MBH Electric Hot Boiler With Packaged Standard Controls.....	15,499.43	1,026.03
23 52 13 00-0047 EA 105 KW, 358 MBH Electric Hot Boiler With Packaged Standard Controls.....	16,503.53	1,077.33
23 52 13 00-0048 EA 120 KW, 409 MBH Electric Hot Boiler With Packaged Standard Controls.....	17,357.38	1,128.63
23 52 13 00-0049 EA 135 KW, 461 MBH Electric Hot Boiler With Packaged Standard Controls.....	18,737.12	1,179.93
23 52 13 00-0050 EA 150 KW, 512 MBH Electric Hot Boiler With Packaged Standard Controls.....	19,440.72	1,231.23
23 52 13 00-0051 EA 165 KW, 563 MBH Electric Hot Boiler With Packaged Standard Controls.....	20,219.45	1,282.54



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 52	13 00-0052	EA	180 KW, 614 MBH Electric Hot Boiler With Packaged Standard Controls.....	22,305.35	1,333.84
23 52	13 00-0053	EA	195 KW, 665 MBH Electric Hot Boiler With Packaged Standard Controls.....	24,329.70	1,346.85
23 52	13 00-0054	EA	225 KW, 768 MBH Electric Hot Boiler With Packaged Standard Controls.....	26,512.53	1,446.62
23 52	13 00-0055	EA	240 KW, 819 MBH Electric Hot Boiler With Packaged Standard Controls.....	28,710.39	1,546.38
23 52	13 00-0056	EA	270 KW, 921 MBH Electric Hot Boiler With Packaged Standard Controls.....	30,992.98	1,696.04
23 52	13 00-0057	EA	300 KW, 1,024 MBH Electric Hot Boiler With Packaged Standard Controls.....	33,190.85	1,795.80
23 52	13 00-0058	EA	330 KW, 1,126 MBH Electric Hot Boiler With Packaged Standard Controls.....	34,968.02	1,895.56
23 52	13 00-0059	EA	360 KW, 1,228 MBH Electric Hot Boiler With Packaged Standard Controls.....	36,645.40	1,945.44
23 52	13 00-0060	EA	390 KW, 1,331 MBH Electric Hot Boiler With Packaged Standard Controls.....	39,059.01	1,995.34
23 52	13 00-0061	EA	420 KW, 1,433 MBH Electric Hot Boiler With Packaged Standard Controls.....	41,452.20	2,095.10
23 52	13 00-0062	EA	450 KW, 1,535 MBH Electric Hot Boiler With Packaged Standard Controls.....	43,856.20	2,095.10
23 52	13 00-0063	EA	504 KW, 1,720 MBH Electric Hot Boiler With Packaged Standard Controls.....	48,162.97	2,144.98
23 52	13 00-0064	EA	612 KW, 2,088 MBH Electric Hot Boiler With Packaged Standard Controls.....	50,591.61	2,194.86
23 52	13 00-0065	EA	684 KW, 2,334 MBH Electric Hot Boiler With Packaged Standard Controls.....	53,120.02	2,294.63
23 52	13 00-0066	EA	720 KW, 2,457 MBH Electric Hot Boiler With Packaged Standard Controls.....	55,548.65	2,344.52
23 52	13 00-0067	EA	750 KW, 2,559 MBH Electric Hot Boiler With Packaged Standard Controls.....	57,977.30	2,394.40
23 52	13 00-0068	EA	810 KW, 2,764 MBH Electric Hot Boiler With Packaged Standard Controls.....	59,779.10	2,544.05
23 52	13 00-0069	EA	900 KW, 3,071 MBH Electric Hot Boiler With Packaged Standard Controls.....	63,083.40	2,693.70
23 52	13 00-0070	EA	1,020 KW, 3,480 MBH Electric Hot Boiler With Packaged Standard Controls.....	74,501.20	2,843.35
23 52	13 00-0071	EA	1,110 KW, 3,787 MBH Electric Hot Boiler With Packaged Standard Controls.....	82,012.50	2,993.00
23 52	13 00-0072	EA	1,200 KW, 4,094 MBH Electric Hot Boiler With Packaged Standard Controls.....	85,818.03	3,092.77
23 52	13 00-0073	EA	1,350 KW, 4,606 MBH Electric Hot Boiler With Packaged Standard Controls.....	89,973.35	3,292.30
23 52	13 00-0074	EA	1,440 KW, 4,913 MBH Electric Hot Boiler With Packaged Standard Controls.....	94,128.67	3,491.83
23 52	13 00-0075	EA	1,560 KW, 5,323 MBH Electric Hot Boiler With Packaged Standard Controls.....	105,345.73	3,691.36
23 52	13 00-0076	EA	1,680 KW, 5,732 MBH Electric Hot Boiler With Packaged Standard Controls.....	112,355.80	3,890.90
23 52	13 00-0077	EA	1,740 KW, 5,937 MBH Electric Hot Boiler With Packaged Standard Controls.....	115,410.09	3,990.66
23 52	13 00-0078	EA	1,800 KW, 6,142 MBH Electric Hot Boiler With Packaged Standard Controls.....	118,464.37	4,090.44
23 52	13 00-0079	EA	1,980 KW, 6,756 MBH Electric Hot Boiler With Packaged Standard Controls.....	118,763.67	4,240.08
23 52	13 00-0080	EA	2,100 KW, 7,165 MBH Electric Hot Boiler With Packaged Standard Controls.....	135,490.70	4,339.85
23 52	13 00-0081	EA	2,220 KW, 7,575 MBH Electric Hot Boiler With Packaged Standard Controls.....	144,805.00	4,489.50
23 52	13 00-0082	EA	2,600 KW, 8,871 MBH Electric Hot Boiler With Packaged Standard Controls.....	162,832.60	4,788.80
23 52	13 00-0083	EA	2,960 KW, 10,100 MBH Electric Hot Boiler With Packaged Standard Controls.....	175,850.22	5,287.63
23 52	13 00-0084	EA	3,240 KW, 11,055 MBH Electric Hot Boiler With Packaged Standard Controls.....	195,077.46	5,886.24
23 52	13 00-0085	EA	3,360 KW, 11,464 MBH Electric Hot Boiler With Packaged Standard Controls.....	203,787.16	6,484.83

23 52 16 Condensing Boilers (23 52)

23 52 16 13 Stainless-Steel Condensing Boilers (23 52 16)

23 52 16 13-0001

Hamilton Evo Series Stainless Steel Condensing Boilers (23 52 16 13)

Note: Includes circulating pump, mounting rack, disconnect panel, plumbing and gas manifold, manual reset high limit and LWCO (Cal Code).

23 52 16 13-0002	EA	75 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Hamilton Evo HW79)	10,111.24	410.41
23 52 16 13-0003	EA	127 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Hamilton Evo HW129)	9,606.27	541.75
23 52 16 13-0004	EA	168 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Hamilton Evo HW179)	10,269.17	609.46
23 52 16 13-0005	EA	187 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Hamilton Evo HW199.1)	10,986.36	677.18
23 52 16 13-0006	EA	281 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Hamilton Evo HW299)	14,079.34	677.18
23 52 16 13-0007	EA	374 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Hamilton Evo HW399)	16,495.61	820.83
23 52 16 13-0008	EA	589 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Hamilton Evo HW599)	21,962.54	880.33
23 52 16 13-0009	EA	785 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Hamilton Evo HW798)	30,633.66	1,083.48
		Note: Includes vent manifold.		
23 52 16 13-0010	EA	980 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Hamilton Evo HW998)	37,353.51	1,185.06
		Note: Includes vent manifold.		
23 52 16 13-0011	EA	1,425 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Hamilton Evo HW1499)	53,678.97	1,388.22
23 52 16 13-0012	EA	1,900 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Hamilton Evo HW1999)	59,123.29	1,489.79

23 52 16 13-0013

Buderus SB615 Stainless Steel Condensing Boilers (23 52 16 13)

Note: Includes Riello burners. Capacity given is IBR rating.

23 52 16 13-0014	EA	484 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Buderus SB615/145)	27,479.50	880.33
23 52 16 13-0015	EA	612 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Buderus SB615/185)	28,631.46	880.33
23 52 16 13-0016	EA	791 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Buderus SB615/240)	32,146.15	1,083.48
23 52 16 13-0017	EA	1,022 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Buderus SB615/310)	34,860.47	1,218.92
23 52 16 13-0018	EA	1,317 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Buderus SB615/400)	38,649.55	1,286.64
23 52 16 13-0019	EA	1,459 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Buderus SB615/510)	44,205.15	1,388.22
23 52 16 13-0020	EA	2,104 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Buderus SB615/640)	52,704.64	1,489.79

23 52 16 13-0021

Buderus SB735 Stainless Steel Condensing Boilers (23 52 16 13)

Note: Includes Riello burners.

23 52 16 13-0022	EA	2,650 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Buderus SB735/790)	55,677.08	1,625.23
23 52 16 13-0023	EA	3,251 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Buderus SB735/970)	64,340.97	1,692.94
23 52 16 13-0024	EA	4,079 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Buderus SB735/1200)	74,443.95	1,794.52

23 52 16 13-0025

Lochinvar Knight Stainless Steel Condensing Boilers (23 52 16 13)

23 52 16 13-0026	EA	165 MBH 95.7% Efficient, Gas Fired, Stainless Steel Heat Exchanger, Condensing Boiler (Lochinvar Knight KBN211)	6,742.79	609.46
23 52 16 13-0027	EA	226 MBH 96% Efficient, Gas Fired, Stainless Steel Heat Exchanger, Condensing Boiler (Lochinvar Knight KBN286)	8,669.15	677.18

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 50 Central Heating Equipment****23 52 Heating Boilers**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
23 52 16 13-0028 Lochinvar Knight XL Stainless Steel Condensing Boilers (23 52 16 13)					
23 52 16 13-0029	EA	324 MBH 93.3% Efficient, Gas Fired, Stainless Steel Heat Exchanger, Condensing Boiler (Lochinvar Knight XL KBN400)	11,303.75		812.61
23 52 16 13-0030	EA	406 MBH 93.3% Efficient, Gas Fired, Stainless Steel Heat Exchanger, Condensing Boiler (Lochinvar Knight XL KBN501)	13,849.91		820.83
23 52 16 13-0031	EA	493 MBH 94.6% Efficient, Gas Fired, Stainless Steel Heat Exchanger, Condensing Boiler (Lochinvar Knight XL KBN601)	16,183.52		880.33
23 52 16 13-0032	EA	574 MBH 94.3% Efficient, Gas Fired, Stainless Steel Heat Exchanger, Condensing Boiler (Lochinvar Knight XL KBN701)	18,404.83		880.33
23 52 16 13-0033	EA	654 MBH 94% Efficient, Gas Fired, Stainless Steel Heat Exchanger, Condensing Boiler (Lochinvar Knight XL KBN801)	21,151.69		981.91
23 52 16 13-0034 Lochinvar SYNC Stainless Steel Condensing Boilers (23 52 16 13)					
23 52 16 13-0035	EA	941 MBH 94.1% Efficient, Gas Fired, Stainless Steel Heat Exchanger, Condensing Boiler (Lochinvar SYNC SBN1000)	28,787.93		1,185.06
23 52 16 13-0036	EA	1,240 MBH 95.4% Efficient, Gas Fired, Stainless Steel Heat Exchanger, Condensing Boiler (Lochinvar SYNC SBN1300)	32,711.22		1,286.64
23 52 16 13-0037	EA	1,443 MBH 96.2% Efficient, Gas Fired, Stainless Steel Heat Exchanger, Condensing Boiler (Lochinvar SYNC SBN1500)	35,138.52		1,388.22
23 52 16 13-0038 Lochinvar Crest Stainless Steel Condensing Boilers (23 52 16 13)					
23 52 16 13-0039	EA	1,380 MBH 92% Efficient, Gas Fired, Stainless Steel Firetube, Condensing Boiler (Lochinvar Crest FBN1500)	34,740.05		1,286.64
23 52 16 13-0040	EA	1,840 MBH 92% Efficient, Gas Fired, Stainless Steel Firetube, Condensing Boiler (Lochinvar Crest FBN2000)	41,467.30		1,422.07
23 52 16 13-0041	EA	2,300 MBH 92% Efficient, Gas Fired, Stainless Steel Firetube, Condensing Boiler (Lochinvar Crest FBN2500)	53,768.28		1,557.50
23 52 16 13-0042	EA	2,760 MBH 92% Efficient, Gas Fired, Stainless Steel Firetube, Condensing Boiler (Lochinvar Crest FBN3000)	59,175.64		1,639.59
23 52 16 13-0043	EA	3,220 MBH 92% Efficient, Gas Fired, Stainless Steel Firetube, Condensing Boiler (Lochinvar Crest FBN3500)	69,951.46		1,639.59
23 52 16 13-0044 Laars Neotherm Stainless Steel Condensing Boiler (23 52 16 13)					
Note: Compliant with SCAQMD.					
23 52 16 13-0045	EA	80 MBH, Gas Fired, Stainless Steel, Condensing Boiler (Laars Neotherm NTH080)	6,176.25		406.31
23 52 16 13-0046	EA	105 MBH, Gas Fired, Stainless Steel, Condensing Boiler (Laars Neotherm NTH105)	6,965.99		440.16
23 52 16 13-0047	EA	150 MBH, Gas Fired, Stainless Steel, Condensing Boiler (Laars Neotherm NTH150)	8,062.69		609.46
23 52 16 13-0048	EA	210 MBH, Gas Fired, Stainless Steel, Condensing Boiler (Laars Neotherm NTH210)	8,978.24		677.18
23 52 16 13-0049	EA	285 MBH, Gas Fired, Stainless Steel, Condensing Boiler (Laars Neotherm NTH285)	11,225.40		677.18
23 52 16 13-0050	EA	399 MBH, Gas Fired, Stainless Steel, Condensing Boiler (Laars Neotherm NTH399)	14,116.25		812.61
23 52 16 13-0051	EA	500 MBH, Gas Fired, Stainless Steel, Condensing Boiler (Laars Neotherm NTH500)	18,027.31		880.33
23 52 16 13-0052	EA	600 MBH, Gas Fired, Stainless Steel, Condensing Boiler (Laars Neotherm NTH600)	19,165.13		880.33
23 52 16 13-0053	EA	750 MBH, Gas Fired, Stainless Steel, Condensing Boiler (Laars Neotherm NTH750)	20,921.31		1,015.77
23 52 16 13-0054	EA	850 MBH, Gas Fired, Stainless Steel, Condensing Boiler (Laars Neotherm NTH850)	22,642.65		1,151.21
23 52 16 13-0055	EA	1,000 MBH, Gas Fired, Stainless Steel, Condensing Boiler (Laars Neotherm NTH1000)	32,199.58		1,218.92
23 52 16 13-0056	EA	1,700 MBH, Gas Fired, Stainless Steel, Condensing Boiler (Laars Neotherm NTH1700)	42,670.40		1,422.07
23 52 16 13-0057	EA	150 MBH, Gas Fired, Stainless Steel, Condensing Domestic Boiler (Laars Neotherm NTV150)	8,610.49		609.46
23 52 16 13-0058	EA	199 MBH, Gas Fired, Stainless Steel, Condensing Domestic Boiler (Laars Neotherm NTV199)	10,120.29		677.18
23 52 16 13-0059	EA	285 MBH, Gas Fired, Stainless Steel, Condensing Domestic Boiler (Laars Neotherm NTV285)	12,715.77		677.18
23 52 16 13-0060	EA	399 MBH, Gas Fired, Stainless Steel, Condensing Domestic Boiler (Laars Neotherm NTV399)	15,493.67		812.61
23 52 16 13-0061	EA	500 MBH, Gas Fired, Stainless Steel, Condensing Domestic Boiler (Laars Neotherm NTV500)	19,249.57		880.33
23 52 16 13-0062	EA	600 MBH, Gas Fired, Stainless Steel, Condensing Domestic Boiler (Laars Neotherm NTV600)	19,882.87		880.33
23 52 16 13-0063	EA	750 MBH, Gas Fired, Stainless Steel, Condensing Domestic Boiler (Laars Neotherm NTV750)	22,003.20		1,015.77
23 52 16 13-0064	EA	800 MBH, Gas Fired, Stainless Steel, Condensing Domestic Boiler (Laars Neotherm NTV800)	23,604.82		1,083.48
23 52 16 13-0065	EA	1,000 MBH, Gas Fired, Stainless Steel, Condensing Domestic Boiler (Laars Neotherm NTV1000)	32,199.58		1,218.92
23 52 16 13-0066	EA	1,700 MBH, Gas Fired, Stainless Steel, Condensing Domestic Boiler (Laars Neotherm NTV1700)	42,670.40		1,422.07
23 52 16 13-0067 AERCO Benchmark Stainless-Steel Condensing Boilers (23 52 16 13)					
23 52 16 13-0068	EA	1,500 MBH Water, 120 Volt, 1 Phase, Gas Fired, Stainless Steel Condensing Boiler (AERCO BMK1.5LN)	32,010.23		1,388.22
Note: Includes gas PRV and pump delay relay.					
23 52 16 13-0069	EA	2,000 MBH Water, 120 Volt, 1 Phase, Gas Fired, Stainless Steel Condensing Boiler (AERCO BMK2.0LN)	37,831.91		1,489.79
Note: Includes gas PRV and pump delay relay.					
23 52 16 13-0070	EA	3,000 MBH Water, 220 Volt, 1 Phase, 230 Volt, 3 Phase, Gas Fired, Stainless Steel Condensing Boiler (AERCO BMK3000)	53,821.44		1,639.59
Note: Includes gas PRV and pump delay relay.					
23 52 16 13-0071	EA	3,000 MBH Water, 480 Volt, 3 Phase, Gas Fired, Stainless Steel Condensing Boiler (AERCO BMK3000)	57,245.99		1,639.59
Note: Includes gas PRV and pump delay relay.					
23 52 16 16 Aluminum Condensing Boilers (23 52 16)					
23 52 16 16-0001 Weil McLain Aluminum Condensing Boilers (23 52 16 16)					
23 52 16 16-0002	EA	80 MBH Water Gas Fired Condensing Boiler (Weil McLain Ultra 80)	5,038.27		410.41
Note: Aluminum block with stainless steel burner. Includes boiler inline circulating pump.					
23 52 16 16-0003	EA	105 MBH Water Gas Fired Condensing Boiler (Weil McLain Ultra 80)	5,487.50		440.16
Note: Aluminum block with stainless steel burner. Includes boiler inline circulating pump.					
23 52 16 16-0004	EA	155 MBH Water Gas Fired Condensing Boiler (Weil McLain Ultra 80)	6,462.67		609.46
Note: Aluminum block with stainless steel burner. Includes boiler inline circulating pump.					
23 52 16 16-0005	EA	230 MBH Water Gas Fired Condensing Boiler (Weil McLain Ultra 80)	7,245.57		677.18
Note: Aluminum block with stainless steel burner. Includes boiler inline circulating pump.					



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 52 16 16-0006 EA 310 MBH Water Gas Fired Condensing Boiler (Weil McLain Ultra 80)..... Note: Aluminum block with stainless steel burner. Includes boiler inline circulating pump.	9,183.88	812.61
23 52 16 16-0007 Patterson Kelly Mach Series Aluminum Condensing Boilers (23 52 16 16)		
23 52 16 16-0008 EA 300 MBH Water, Gas Fired, Aluminum Condensing Boiler (Patterson Kelly Mach C300).....	14,115.36	677.18
23 52 16 16-0009 EA 450 MBH Water, Gas Fired, Aluminum Condensing Boiler (Patterson Kelly Mach C450).....	16,092.14	820.83
23 52 16 16-0010 EA 750 MBH Water, Gas Fired, Aluminum Condensing Boiler (Patterson Kelly Mach C750).....	18,295.22	1,026.03
23 52 16 16-0011 EA 900 MBH Water, Gas Fired, Aluminum Condensing Boiler (Patterson Kelly Mach C900).....	26,850.93	1,151.21
23 52 16 16-0012 EA 1,050 MBH Water, Gas Fired, Aluminum Condensing Boiler (Patterson Kelly Mach C1050).....	28,060.96	1,218.92
23 52 16 16-0013 EA 1,500 MBH Water, Gas Fired, Aluminum Condensing Boiler (Patterson Kelly Mach C1500).....	43,174.71	1,388.22
23 52 16 16-0014 EA 2,000 MBH Water, Gas Fired, Aluminum Condensing Boiler (Patterson Kelly Mach C2000).....	46,742.96	1,489.79
23 52 16 16-0015 EA 2,500 MBH Water, Gas Fired, Aluminum Condensing Boiler (Patterson Kelly Mach C2500).....	54,039.46	1,625.23
23 52 16 16-0016 EA 3,000 MBH Water, Gas Fired, Aluminum Condensing Boiler (Patterson Kelly Mach C3000).....	66,550.30	1,625.23
23 52 16 16-0017 EA 4,000 MBH Water, Gas Fired, Aluminum Condensing Boiler (Patterson Kelly Mach C4000).....	81,276.68	1,794.52
23 52 16 16-0018 Buderus GB142 Wall Hung Aluminum Condensing Boilers (23 52 16 16)		
Note: Includes standard controls.		
23 52 16 16-0019 EA 75 MBH Water, Gas Fired, Wall Hung Aluminum Condensing Boiler (Buderus GB142/24)..... Note: Includes an aluminum heat exchanger and three speed circulating pump.	6,046.40	410.41
23 52 16 16-0020 EA 95 MBH Water, Gas Fired, Wall Hung Aluminum Condensing Boiler (Buderus GB142/30)..... Note: Includes an aluminum heat exchanger and three speed circulating pump.	6,919.54	440.16
23 52 16 16-0021 EA 143 MBH Water, Gas Fired, Wall Hung Aluminum Condensing Boiler (Buderus GB142/45)..... Note: Includes an aluminum heat exchanger and three speed circulating pump.	7,995.31	541.75
23 52 16 16-0022 EA 193 MBH Water, Gas Fired, Wall Hung Aluminum Condensing Boiler (Buderus GB142/60)..... Note: Includes an aluminum heat exchanger and three speed circulating pump.	8,967.62	677.18
23 52 16 16-0023 EA Optional Vertical Or Horizontal 3" Concentric Termination Kit For GB142 (Buderus 60L46).....	311.44	102.60
23 52 16 16-0024 EA Optional Stainless Steel Concentric Hood For GB142 (Buderus SJT3).....	399.75	102.60
23 52 16 16-0025 EA Optional GB Floor Stand For GB142 (Buderus 7098265).....	824.70	102.60
23 52 16 16-0026 Buderus GB162 Wall Hung Aluminum Condensing Boilers (23 52 16 16)		
Note: Includes standard controls.		
23 52 16 16-0027 EA 290 MBH Water, Gas Fired, Wall Hung Aluminum Condensing Boiler (Buderus GB162/80)..... Note: Includes an aluminum heat exchanger, connection pump module, low loss header, outdoor reset module, outdoor temperature sensor, and 1-1/2" unions.	8,263.87	677.18
23 52 16 16-0028 EA 333 MBH Water, Gas Fired, Wall Hung Aluminum Condensing Boiler (Buderus GB162/100)..... Note: Includes an aluminum heat exchanger, connection pump module, low loss header, outdoor reset module, outdoor temperature sensor, and 1-1/2" unions.	10,254.09	812.61
23 52 16 16-0029 EA 580 MBH Water, Gas Fired, Frame Mounted Aluminum Condensing Boiler In Line Cascade Package (Two Boilers) (Buderus GB162/80-TL2)..... Note: Includes an aluminum heat exchangers, connection pump module, inline cascade package (stand), RC35 controller, outdoor temperature sensor, MCM10 intelligent sequencing module, WM10 low loss header module and insulation package.	19,768.35	964.98
23 52 16 16-0030 EA 580 MBH Water, Gas Fired, Frame Mounted Aluminum Condensing Boiler Back To Back Cascade Package (Two Boilers) (Buderus GB162/80-TR2)..... Note: Includes an aluminum heat exchangers, connection pump module, back to back cascade package (stand), RC35 controller, outdoor temperature sensor, MCM10 intelligent sequencing module, WM10 low loss header module and insulation package.	18,523.04	964.98
23 52 16 16-0031 EA 666 MBH Water, Gas Fired, Frame Mounted Aluminum Condensing Boiler In Line Cascade Package (Two Boilers) (Buderus GB162/100-TL2)..... Note: Includes an aluminum heat exchangers, connection pump module, inline cascade package (stand), RC35 controller, outdoor temperature sensor, MCM10 intelligent sequencing module, WM10 low loss header module and insulation package.	23,389.66	981.91
23 52 16 16-0032 EA 666 MBH Water, Gas Fired, Frame Mounted Aluminum Condensing Boiler Back To Back Cascade Package (Two Boilers) (Buderus GB162/100-TR2)..... Note: Includes an aluminum heat exchangers, connection pump module, back to back cascade package (stand), RC35 controller, outdoor temperature sensor, MCM10 intelligent sequencing module, WM10 low loss header module and insulation package.	22,144.36	981.91
23 52 16 16-0033 EA 870 MBH Water, Gas Fired, Frame Mounted Aluminum Condensing Boiler In Line Cascade Package (Three Boilers) (Buderus GB162/80-TL3)..... Note: Includes an aluminum heat exchangers, connection pump module, inline cascade package (stand), RC35 controller, outdoor temperature sensor, MCM10 intelligent sequencing module, WM10 low loss header module and insulation package.	27,199.68	1,151.21
23 52 16 16-0034 EA 999 MBH Water, Gas Fired, Frame Mounted Aluminum Condensing Boiler In Line Cascade Package (Three Boilers) (Buderus GB162/100-TL3)..... Note: Includes an aluminum heat exchangers, connection pump module, inline cascade package (stand), RC35 controller, outdoor temperature sensor, MCM10 intelligent sequencing module, WM10 low loss header module and insulation package.	32,759.91	1,218.92
23 52 16 16-0035 EA 1,160 MBH Water, Gas Fired, Frame Mounted Aluminum Condensing Boiler In Line Cascade Package (Four Boilers) (Buderus GB162/80-TL4)..... Note: Includes an aluminum heat exchangers, connection pump module, inline cascade package (stand), RC35 controller, outdoor temperature sensor, MCM10 intelligent sequencing module, WM10 low loss header module and insulation package.	33,694.88	1,286.64
23 52 16 16-0036 EA 1,160 MBH Water, Gas Fired, Frame Mounted Aluminum Condensing Boiler Back To Back Cascade Package (Four Boilers) (Buderus GB162/80-TR4)..... Note: Includes an aluminum heat exchangers, connection pump module, back to back cascade package (stand), RC35 controller, outdoor temperature sensor, MCM10 intelligent sequencing module, WM10 low loss header module and insulation package.	34,193.63	1,286.64

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 50 Central Heating Equipment****23 52 Heating Boilers**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 52 16 16-0037 EA 1,332 MBH Water, Gas Fired, Frame Mounted Aluminum Condensing Boiler In Line Cascade Package (Four Boilers) (Buderus GB162/100-TL4) Note: Includes an aluminum heat exchangers, connection pump module, inline cascade package (stand), RC35 controller, outdoor temperature sensor, MCM10 intelligent sequencing module, WM10 low loss header module and insulation package.	40,834.91	1,286.64
23 52 16 16-0038 EA 1,332 MBH Water, Gas Fired, Frame Mounted Aluminum Condensing Boiler Back To Back Cascade Package (Four Boilers) (Buderus GB162/100-TR4) Note: Includes an aluminum heat exchangers, connection pump module, back to back cascade package (stand), RC35 controller, outdoor temperature sensor, MCM10 intelligent sequencing module, WM10 low loss header module and insulation package.	41,333.66	1,286.64
23 52 16 16-0039 EA EMS Control Module For Condensing Boiler (Buderus RC35)	558.30	102.60
23 52 16 16-0040 Buderus GB312 Aluminum Condensing Boilers (23 52 16 16) Note: Includes standard controls.		
23 52 16 16-0041 EA 305 MBH Water, Gas Fired, Aluminum Condensing Boiler (Buderus GB312/90)..... Note: Includes an aluminum heat exchanger.	15,849.91	677.18
23 52 16 16-0042 EA 409 MBH Water, Gas Fired, Aluminum Condensing Boiler (Buderus GB312/120)..... Note: Includes an aluminum heat exchanger.	17,655.48	820.83
23 52 16 16-0043 EA 544 MBH Water, Gas Fired, Aluminum Condensing Boiler (Buderus GB312/160)..... Note: Includes an aluminum heat exchanger.	20,868.56	880.33
23 52 16 16-0044 EA 676 MBH Water, Gas Fired, Aluminum Condensing Boiler (Buderus GB312/200)..... Note: Includes an aluminum heat exchanger.	24,043.46	981.91
23 52 16 16-0045 EA 810 MBH Water, Gas Fired, Aluminum Condensing Boiler (Buderus GB312/240)..... Note: Includes an aluminum heat exchanger.	28,754.28	1,083.48
23 52 16 16-0046 EA 944 MBH Water, Gas Fired, Aluminum Condensing Boiler (Buderus GB312/280)..... Note: Includes an aluminum heat exchanger.	31,749.99	1,185.06
23 52 16 16-0047 EA Optional CSD-1 Kit Consisting Of High And Low Gas Pressure Switches For GB312 (Buderus 7747019985).....	486.58	51.30
23 52 16 16-0048 EA Optional L4006E1125 Manual Reset Aquastat For GB312 (Buderus L4006E1125).....	243.39	51.30
23 52 16 16-0049 EA Optional Hydrolevel 550 low Water Cut-Off For GB312 (Buderus 550).....	341.95	51.30
23 52 16 16-0050 EA Optional Condensate Neutralization Tank For GB312 (Buderus 63035899)	708.02	51.30
23 52 16 19 Copper Water-Tube Condensing Boilers (23 52 16)		
23 52 16 19-0001 Laars Rheos+ Copper Fin Tube Condensing Boilers (23 52 16 19)		
23 52 16 19-0002 EA 1,200 MBH Water, Gas Fired, Copper Fin Tube Condensing Boiler (Laars Rheos+).....	32,697.70	1,286.64
23 52 16 19-0003 EA 1,600 MBH Water, Gas Fired, Copper Fin Tube Condensing Boiler (Laars Rheos+).....	36,846.06	1,422.07
23 52 16 19-0004 EA 2,000 MBH Water, Gas Fired, Copper Fin Tube Condensing Boiler (Laars Rheos+).....	40,270.59	1,489.79
23 52 16 19-0005 EA 2,400 MBH Water, Gas Fired, Copper Fin Tube Condensing Boiler (Laars Rheos+).....	43,625.49	1,625.23
23 52 16 23 Cast Iron Condensing Boilers (23 52 16)		
23 52 16 23-0001 Hydrotherm KN Cast Iron Condensing Boilers (23 52 16 23)		
23 52 16 23-0002 EA 199 MBH Water, Gas Fired, Cast Iron Condensing Boiler (Hydrotherm KN-2).....	11,292.95	677.18
23 52 16 23-0003 EA 399 MBH Water, Gas Fired, Cast Iron Condensing Boiler (Hydrotherm KN-4).....	16,269.47	820.83
23 52 16 23-0004 EA 600 MBH Water, Gas Fired, Cast Iron Condensing Boiler (Hydrotherm KN-6).....	26,209.54	880.33
23 52 16 23-0005 EA 1,000 MBH Water, Gas Fired, Cast Iron Condensing Boiler (Hydrotherm KN-10).....	34,650.45	1,218.92
23 52 16 23-0006 EA 1,600 MBH Water, Gas Fired, Cast Iron Condensing Boiler (Hydrotherm KN-16).....	46,017.39	1,422.07
23 52 16 23-0007 EA 1,999 MBH Water, Gas Fired, Cast Iron Condensing Boiler (Hydrotherm KN-20).....	50,143.78	1,489.79
23 52 16 23-0008 EA 2,600 MBH Water, Gas Fired, Cast Iron Condensing Boiler (Hydrotherm KN-26).....	63,586.45	1,625.23
23 52 16 23-0009 EA 3,000 MBH Water, Gas Fired, Cast Iron Condensing Boiler (Hydrotherm KN-30).....	69,298.82	1,625.23
23 52 23 Cast-Iron Boilers (23 52)		
23 52 23 00-0001 Weil-McLain Model 80 Cast Iron Boiler (23 52 23) Note: Capacities are the steam or water MBH output. Includes burner unit and controls. Excludes flue piping, fuel piping, boiler base or pad.		
23 52 23 00-0002 Gas Fired Weil-McLain Model 80 Cast Iron Boiler (23 52 23 00-0001) Note: Field assembled boilers can only be used in situations where package units cannot be installed.		
23 52 23 00-0003 EA 208 MBH Steam, 242 MBH Water Gas Fired Cast Iron Boiler..... Note: Weil-McLain Model 80. Includes field assembly of individual sections and testing.	14,060.28	2,911.95
23 52 23 00-0004 EA 297 MBH Steam, 344 MBH Water Gas Fired Cast Iron Boiler..... Note: Weil-McLain Model 80. Includes field assembly of individual sections and testing.	15,308.40	3,106.09
23 52 23 00-0005 EA 386 MBH Steam, 448 MBH Water Gas Fired Cast Iron Boiler..... Note: Weil-McLain Model 80. Includes field assembly of individual sections and testing.	16,669.08	3,300.22
23 52 23 00-0006 EA 476 MBH Steam, 551 MBH Water Gas Fired Cast Iron Boiler..... Note: Weil-McLain Model 80. Includes field assembly of individual sections and testing.	17,938.48	3,494.35
23 52 23 00-0007 EA 565 MBH Steam, 655 MBH Water Gas Fired Cast Iron Boiler..... Note: Weil-McLain Model 80. Includes field assembly of individual sections and testing.	19,115.17	3,688.48
23 52 23 00-0008 EA 654 MBH Steam, 758 MBH Water Gas Fired Cast Iron Boiler..... Note: Weil-McLain Model 80. Includes field assembly of individual sections and testing.	20,704.77	3,882.61
23 52 23 00-0009 EA 743 MBH Steam, 862 MBH Water Gas Fired Cast Iron Boiler..... Note: Weil-McLain Model 80. Includes field assembly of individual sections and testing.	21,946.32	4,076.74
23 52 23 00-0010 EA 833 MBH Steam, 965 MBH Water Gas Fired Cast Iron Boiler..... Note: Weil-McLain Model 80. Includes field assembly of individual sections and testing.	22,943.92	4,270.87
23 52 23 00-0011 EA 922 MBH Steam, 1069 MBH Water Gas Fired Cast Iron Boiler..... Note: Weil-McLain Model 80. Includes field assembly of individual sections and testing.	23,938.01	4,465.00
23 52 23 00-0012 EA 1,018 MBH Steam, 1172 MBH Water Gas Fired Cast Iron Boiler..... Note: Weil-McLain Model 80. Includes field assembly of individual sections and testing.	25,077.02	4,659.14



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 52 23 00-0013				Gas Fired Package Weil-McLain Model 80 Cast Iron Boiler <small>(23 52 23 00-0001)</small>		
	EA			208 MBH Steam, 242 MBH Water Gas Fired Package Cast Iron Boiler..... Note: Weil-McLain Model 80. Fire tested factory assembled package unit.	9,313.77	399.07
	EA			297 MBH Steam, 344 MBH Water Gas Fired Package Cast Iron Boiler..... Note: Weil-McLain Model 80. Fire tested factory assembled package unit.	10,329.12	399.07
	EA			386 MBH Steam, 448 MBH Water Gas Fired Package Cast Iron Boiler..... Note: Weil-McLain Model 80. Fire tested factory assembled package unit.	11,857.99	498.83
	EA			476 MBH Steam, 551 MBH Water Gas Fired Package Cast Iron Boiler..... Note: Weil-McLain Model 80. Fire tested factory assembled package unit.	12,893.29	498.83
	EA			565 MBH Steam, 655 MBH Water Gas Fired Package Cast Iron Boiler..... Note: Weil-McLain Model 80. Fire tested factory assembled package unit.	14,238.40	598.60
	EA			654 MBH Steam, 758 MBH Water Gas Fired Package Cast Iron Boiler..... Note: Weil-McLain Model 80. Fire tested factory assembled package unit.	15,607.60	598.60
	EA			743 MBH Steam, 862 MBH Water Gas Fired Package Cast Iron Boiler..... Note: Weil-McLain Model 80. Fire tested factory assembled package unit.	17,015.72	698.37
	EA			833 MBH Steam, 965 MBH Water Gas Fired Package Cast Iron Boiler..... Note: Weil-McLain Model 80. Fire tested factory assembled package unit.	18,180.23	798.13
	EA			922 MBH Steam, 1069 MBH Water Gas Fired Package Cast Iron Boiler..... Note: Weil-McLain Model 80. Fire tested factory assembled package unit.	18,943.58	798.13
	EA			1,018 MBH Steam, 1172 MBH Water Gas Fired Package Cast Iron Boiler..... Note: Weil-McLain Model 80. Fire tested factory assembled package unit.	20,247.75	897.90
23 52 23 00-0024				Gas/Oil Fired Weil-McLain Model 80 Cast Iron Boiler <small>(23 52 23 00-0001)</small>		
				Note: Field assembled boilers can only be used in situations where package units cannot be installed.		
	EA			208 MBH Steam, 242 MBH Water Gas/Oil Fired Cast Iron Boiler..... Note: Weil-McLain Model 80. Includes field assembly of individual sections and testing.	14,653.53	2,911.95
	EA			297 MBH Steam, 344 MBH Water Gas/Oil Fired Cast Iron Boiler..... Note: Weil-McLain Model 80. Includes field assembly of individual sections and testing.	16,007.70	3,106.09
	EA			386 MBH Steam, 448 MBH Water Gas/Oil Fired Cast Iron Boiler..... Note: Weil-McLain Model 80. Includes field assembly of individual sections and testing.	17,304.33	3,300.22
	EA			476 MBH Steam, 551 MBH Water Gas/Oil Fired Cast Iron Boiler..... Note: Weil-McLain Model 80. Includes field assembly of individual sections and testing.	18,745.93	3,494.35
	EA			565 MBH Steam, 655 MBH Water Gas/Oil Fired Cast Iron Boiler..... Note: Weil-McLain Model 80. Includes field assembly of individual sections and testing.	19,944.67	3,688.48
	EA			654 MBH Steam, 758 MBH Water Gas/Oil Fired Cast Iron Boiler..... Note: Weil-McLain Model 80. Includes field assembly of individual sections and testing.	21,668.67	3,882.61
	EA			743 MBH Steam, 862 MBH Water Gas/Oil Fired Cast Iron Boiler..... Note: Weil-McLain Model 80. Includes field assembly of individual sections and testing.	22,773.72	4,076.74
	EA			833 MBH Steam, 965 MBH Water Gas/Oil Fired Cast Iron Boiler..... Note: Weil-McLain Model 80. Includes field assembly of individual sections and testing.	23,850.07	4,270.87
	EA			922 MBH Steam, 1069 MBH Water Gas/Oil Fired Cast Iron Boiler..... Note: Weil-McLain Model 80. Includes field assembly of individual sections and testing.	24,845.21	4,465.00
	EA			1,018 MBH Steam, 1172 MBH Water Gas/Oil Fired Cast Iron Boiler..... Note: Weil-McLain Model 80. Includes field assembly of individual sections and testing.	26,012.57	4,659.14
23 52 23 00-0035				Gas/Oil Fired Package Weil-McLain Model 80 Cast Iron Boiler <small>(23 52 23 00-0001)</small>		
	EA			208 MBH Steam, 242 MBH Water Gas/Oil Fired Package CI Boiler..... Note: Weil-McLain Model 80. Fire tested factory assembled package cast iron unit.	9,907.02	399.07
	EA			297 MBH Steam, 344 MBH Water Gas/Oil Fired Package CI Boiler..... Note: Weil-McLain Model 80. Fire tested factory assembled package cast iron unit.	11,028.42	399.07
	EA			386 MBH Steam, 448 MBH Water Gas/Oil Fired Package CI Boiler..... Note: Weil-McLain Model 80. Fire tested factory assembled package cast iron unit.	12,493.24	498.83
	EA			476 MBH Steam, 551 MBH Water Gas/Oil Fired Package CI Boiler..... Note: Weil-McLain Model 80. Fire tested factory assembled package cast iron unit.	13,700.74	498.83
	EA			565 MBH Steam, 655 MBH Water Gas/Oil Fired Package CI Boiler..... Note: Weil-McLain Model 80. Fire tested factory assembled package cast iron unit.	15,067.90	598.60
	EA			654 MBH Steam, 758 MBH Water Gas/Oil Fired Package CI Boiler..... Note: Weil-McLain Model 80. Fire tested factory assembled package cast iron unit.	16,571.50	598.60
	EA			743 MBH Steam, 862 MBH Water Gas/Oil Fired Package CI Boiler..... Note: Weil-McLain Model 80. Fire tested factory assembled package cast iron unit.	17,843.12	698.37
	EA			833 MBH Steam, 965 MBH Water Gas/Oil Fired Package CI Boiler..... Note: Weil-McLain Model 80. Fire tested factory assembled package cast iron unit.	19,086.38	798.13
	EA			922 MBH Steam, 1069 MBH Water Gas/Oil Fired Package CI Boiler..... Note: Weil-McLain Model 80. Fire tested factory assembled package cast iron unit.	19,850.78	798.13
	EA			1,018 MBH Steam, 1172 MBH Water Gas/Oil Fired Package CI Boiler..... Note: Weil-McLain Model 80. Fire tested factory assembled package cast iron unit.	21,183.30	897.90
23 52 23 00-0046				Weil-McLain Model 88 Cast Iron Boiler <small>(23 52 23)</small>		
				Note: Capacities are the steam or water MBH output. Includes burner unit and controls. Excludes flue piping, fuel piping, boiler base or pad.		
23 52 23 00-0047				Gas Fired Weil-McLain Model 88 Cast Iron Boiler <small>(23 52 23 00-0046)</small>		
				Note: Field assembled boilers can only be used in situations where package units cannot be installed.		
	EA			608 MBH Steam, 704 MBH Water Gas Fired Cast Iron Boiler..... Note: Weil-McLain Model 88. Includes field assembly of individual sections and testing.	22,480.45	4,367.94
	EA			813 MBH Steam, 943 MBH Water Gas Fired Cast Iron Boiler..... Note: Weil-McLain Model 88. Includes field assembly of individual sections and testing.	24,724.77	4,634.87
	EA			1,028 MBH Steam, 1,161 MBH Water Gas Fired Cast Iron Boiler..... Note: Weil-McLain Model 88. Includes field assembly of individual sections and testing.	27,483.68	4,901.80
	EA			1,254 MBH Steam, 1,419 MBH Water Gas Fired Cast Iron Boiler..... Note: Weil-McLain Model 88. Includes field assembly of individual sections and testing.	29,924.00	5,168.73

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 50 Central Heating Equipment****23 52 Heating Boilers**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 52 23 00-0052 EA 1,477 MBH Steam, 1,656 MBH Water Gas Fired Cast Iron Boiler..... Note: Weil-McLain Model 88. Includes field assembly of individual sections and testing.	32,056.39	5,435.65
23 52 23 00-0053 EA 1,688 MBH Steam, 1,892 MBH Water Gas Fired Cast Iron Boiler..... Note: Weil-McLain Model 88. Includes field assembly of individual sections and testing.	35,110.52	5,702.58
23 52 23 00-0054 EA 1,904 MBH Steam, 2,132 MBH Water Gas Fired Cast Iron Boiler..... Note: Weil-McLain Model 88. Includes field assembly of individual sections and testing.	37,262.09	5,969.51
23 52 23 00-0055 EA 2,116 MBH Steam, 2,369 MBH Water Gas Fired Cast Iron Boiler..... Note: Weil-McLain Model 88. Includes field assembly of individual sections and testing.	39,174.91	6,236.44
23 52 23 00-0056 EA 2,329 MBH Steam, 2,609 MBH Water Gas Fired Cast Iron Boiler..... Note: Weil-McLain Model 88. Includes field assembly of individual sections and testing.	41,701.59	6,503.37
23 52 23 00-0057 EA 2,539 MBH Steam, 2,843 MBH Water Gas Fired Cast Iron Boiler..... Note: Weil-McLain Model 88. Includes field assembly of individual sections and testing.	43,749.59	6,770.30
23 52 23 00-0058 EA 2,756 MBH Steam, 3,087 MBH Water Gas Fired Cast Iron Boiler..... Note: Weil-McLain Model 88. Includes field assembly of individual sections and testing.	47,286.78	7,037.23
23 52 23 00-0059 EA 2,966 MBH Steam, 3,322 MBH Water Gas Fired Cast Iron Boiler..... Note: Weil-McLain Model 88. Includes field assembly of individual sections and testing.	49,239.36	7,304.16
23 52 23 00-0060 EA 3,175 MBH Steam, 3,557 MBH Water Gas Fired Cast Iron Boiler..... Note: Weil-McLain Model 88. Includes field assembly of individual sections and testing.	51,305.36	7,571.09
23 52 23 00-0061 EA 3,383 MBH Steam, 3,800 MBH Water Gas Fired Cast Iron Boiler..... Note: Weil-McLain Model 88. Includes field assembly of individual sections and testing.	53,598.43	7,838.02
23 52 23 00-0062 EA 3,602 MBH Steam, 4,035 MBH Water Gas Fired Cast Iron Boiler..... Note: Weil-McLain Model 88. Includes field assembly of individual sections and testing.	55,478.96	8,104.95
23 52 23 00-0063 Gas Fired Package Weil-McLain Model 88 Cast Iron Boiler (23 52 23 00-0046)		
23 52 23 00-0064 EA 608 MBH Steam, 704 MBH Water Gas Fired Package Cast Iron Boiler..... Note: Weil-McLain Model 88. Fire tested factory assembled package unit.	17,030.42	698.37
23 52 23 00-0065 EA 813 MBH Steam, 943 MBH Water Gas Fired Package Cast Iron Boiler..... Note: Weil-McLain Model 88. Fire tested factory assembled package unit.	19,319.48	798.13
23 52 23 00-0066 EA 1,028 MBH Steam, 1,161 MBH Water Gas Fired Package Cast Iron Boiler..... Note: Weil-McLain Model 88. Fire tested factory assembled package unit.	22,135.65	897.90
23 52 23 00-0067 EA 1,254 MBH Steam, 1,419 MBH Water Gas Fired Package Cast Iron Boiler..... Note: Weil-McLain Model 88. Fire tested factory assembled package unit.	24,610.56	997.67
23 52 23 00-0068 EA 1,477 MBH Steam, 1,656 MBH Water Gas Fired Package Cast Iron Boiler..... Note: Weil-McLain Model 88. Fire tested factory assembled package unit.	26,387.16	997.67
23 52 23 00-0069 EA 1,688 MBH Steam, 1,892 MBH Water Gas Fired Package Cast Iron Boiler..... Note: Weil-McLain Model 88. Fire tested factory assembled package unit.	29,488.92	1,097.43
23 52 23 00-0070 EA 1,904 MBH Steam, 2,132 MBH Water Gas Fired Package Cast Iron Boiler..... Note: Weil-McLain Model 88. Fire tested factory assembled package unit.	31,287.57	1,097.43
23 52 23 00-0071 EA 2,116 MBH Steam, 2,369 MBH Water Gas Fired Package Cast Iron Boiler..... Note: Weil-McLain Model 88. Fire tested factory assembled package unit.	33,244.85	1,197.20
23 52 23 00-0072 EA 2,329 MBH Steam, 2,609 MBH Water Gas Fired Package Cast Iron Boiler..... Note: Weil-McLain Model 88. Fire tested factory assembled package unit.	35,419.40	1,197.20
23 52 23 00-0073 EA 2,539 MBH Steam, 2,843 MBH Water Gas Fired Package Cast Iron Boiler..... Note: Weil-McLain Model 88. Fire tested factory assembled package unit.	37,512.14	1,296.97
23 52 23 00-0074 EA 2,756 MBH Steam, 3,087 MBH Water Gas Fired Package Cast Iron Boiler..... Note: Weil-McLain Model 88. Fire tested factory assembled package unit.	39,540.80	1,396.73
23 52 23 00-0075 EA 2,966 MBH Steam, 3,322 MBH Water Gas Fired Package Cast Iron Boiler..... Note: Weil-McLain Model 88. Fire tested factory assembled package unit.	41,141.00	1,396.73
23 52 23 00-0076 EA 3,175 MBH Steam, 3,557 MBH Water Gas Fired Package Cast Iron Boiler..... Note: Weil-McLain Model 88. Fire tested factory assembled package unit.	43,252.60	1,496.50
23 52 23 00-0077 EA 3,383 MBH Steam, 3,800 MBH Water Gas Fired Package Cast Iron Boiler..... Note: Weil-McLain Model 88. Fire tested factory assembled package unit.	45,191.95	1,496.50
23 52 23 00-0078 EA 3,602 MBH Steam, 4,035 MBH Water Gas Fired Package Cast Iron Boiler..... Note: Weil-McLain Model 88. Fire tested factory assembled package unit.	47,139.72	1,596.27
23 52 23 00-0079 Gas/Oil Fired Weil-McLain Model 88 Cast Iron Boiler (23 52 23 00-0046)		
Note: Field assembled boilers can only be used in situations where package units cannot be installed.		
23 52 23 00-0080 EA 608 MBH Steam, 704 MBH Water Gas/Oil Fired Cast Iron Boiler..... Note: Weil-McLain Model 88. Includes field assembly of individual sections and testing.	23,211.25	4,367.94
23 52 23 00-0081 EA 813 MBH Steam, 943 MBH Water Gas/Oil Fired Cast Iron Boiler..... Note: Weil-McLain Model 88. Includes field assembly of individual sections and testing.	25,451.37	4,634.87
23 52 23 00-0082 EA 1,028 MBH Steam, 1,161 MBH Water Gas/Oil Fired Cast Iron Boiler..... Note: Weil-McLain Model 88. Includes field assembly of individual sections and testing.	28,399.28	4,901.80
23 52 23 00-0083 EA 1,254 MBH Steam, 1,419 MBH Water Gas/Oil Fired Cast Iron Boiler..... Note: Weil-McLain Model 88. Includes field assembly of individual sections and testing.	30,932.00	5,168.73
23 52 23 00-0084 EA 1,477 MBH Steam, 1,656 MBH Water Gas/Oil Fired Cast Iron Boiler..... Note: Weil-McLain Model 88. Includes field assembly of individual sections and testing.	32,961.49	5,435.65
23 52 23 00-0085 EA 1,688 MBH Steam, 1,892 MBH Water Gas/Oil Fired Cast Iron Boiler..... Note: Weil-McLain Model 88. Includes field assembly of individual sections and testing.	35,958.92	5,702.58
23 52 23 00-0086 EA 1,904 MBH Steam, 2,132 MBH Water Gas/Oil Fired Cast Iron Boiler..... Note: Weil-McLain Model 88. Includes field assembly of individual sections and testing.	38,535.74	5,969.51
23 52 23 00-0087 EA 2,116 MBH Steam, 2,369 MBH Water Gas/Oil Fired Cast Iron Boiler..... Note: Weil-McLain Model 88. Includes field assembly of individual sections and testing.	40,448.56	6,236.44
23 52 23 00-0088 EA 2,329 MBH Steam, 2,609 MBH Water Gas/Oil Fired Cast Iron Boiler..... Note: Weil-McLain Model 88. Includes field assembly of individual sections and testing.	42,950.04	6,503.37
23 52 23 00-0089 EA 2,539 MBH Steam, 2,843 MBH Water Gas/Oil Fired Cast Iron Boiler..... Note: Weil-McLain Model 88. Includes field assembly of individual sections and testing.	45,534.59	6,770.30
23 52 23 00-0090 EA 2,756 MBH Steam, 3,087 MBH Water Gas/Oil Fired Cast Iron Boiler..... Note: Weil-McLain Model 88. Includes field assembly of individual sections and testing.	49,162.08	7,037.23
23 52 23 00-0091 EA 2,966 MBH Steam, 3,322 MBH Water Gas/Oil Fired Cast Iron Boiler..... Note: Weil-McLain Model 88. Includes field assembly of individual sections and testing.	51,745.71	7,304.16



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 52 23 00-0092 EA 3,175 MBH Steam, 3,557 MBH Water Gas/Oil Fired Cast Iron Boiler Note: Weil-McLain Model 88. Includes field assembly of individual sections and testing.	53,179.61	7,571.09
23 52 23 00-0093 EA 3,383 MBH Steam, 3,800 MBH Water Gas/Oil Fired Cast Iron Boiler Note: Weil-McLain Model 88. Includes field assembly of individual sections and testing.	55,415.98	7,838.02
23 52 23 00-0094 EA 3,602 MBH Steam, 4,035 MBH Water Gas/Oil Fired Cast Iron Boiler Note: Weil-McLain Model 88. Includes field assembly of individual sections and testing.	57,316.46	8,104.95
23 52 23 00-0095 Gas/Oil Fired Package Weil-McLain Model 88 Cast Iron Boiler <small>(23 52 23 00-0046)</small>		
23 52 23 00-0096 EA 608 MBH Steam, 704 MBH Water Gas/Oil Fired Package Cast Iron Boiler Note: Weil-McLain Model 88. Fire tested factory assembled package cast iron unit.	17,761.22	698.37
23 52 23 00-0097 EA 813 MBH Steam, 943 MBH Water Gas/Oil Fired Package Cast Iron Boiler Note: Weil-McLain Model 88. Fire tested factory assembled package cast iron unit.	20,046.08	798.13
23 52 23 00-0098 EA 1,028 MBH Steam, 1,161 MBH Water Gas/Oil Fired Package Cast Iron Boiler..... Note: Weil-McLain Model 88. Fire tested factory assembled package cast iron unit.	23,040.75	897.90
23 52 23 00-0099 EA 1,254 MBH Steam, 1,419 MBH Water Gas/Oil Fired Package Cast Iron Boiler..... Note: Weil-McLain Model 88. Fire tested factory assembled package cast iron unit.	25,618.56	997.67
23 52 23 00-0100 EA 1,477 MBH Steam, 1,656 MBH Water Gas/Oil Fired Package Cast Iron Boiler..... Note: Weil-McLain Model 88. Fire tested factory assembled package cast iron unit.	27,294.36	997.67
23 52 23 00-0101 EA 1,688 MBH Steam, 1,892 MBH Water Gas/Oil Fired Package Cast Iron Boiler..... Note: Weil-McLain Model 88. Fire tested factory assembled package cast iron unit.	30,337.32	1,097.43
23 52 23 00-0102 EA 1,904 MBH Steam, 2,132 MBH Water Gas/Oil Fired Package Cast Iron Boiler..... Note: Weil-McLain Model 88. Fire tested factory assembled package cast iron unit.	32,561.22	1,097.43
23 52 23 00-0103 EA 2,116 MBH Steam, 2,369 MBH Water Gas/Oil Fired Package Cast Iron Boiler..... Note: Weil-McLain Model 88. Fire tested factory assembled package cast iron unit.	34,518.50	1,197.20
23 52 23 00-0104 EA 2,329 MBH Steam, 2,609 MBH Water Gas/Oil Fired Package Cast Iron Boiler..... Note: Weil-McLain Model 88. Fire tested factory assembled package cast iron unit.	36,667.85	1,197.20
23 52 23 00-0105 EA 2,539 MBH Steam, 2,843 MBH Water Gas/Oil Fired Package Cast Iron Boiler..... Note: Weil-McLain Model 88. Fire tested factory assembled package cast iron unit.	39,302.39	1,296.97
23 52 23 00-0106 EA 2,756 MBH Steam, 3,087 MBH Water Gas/Oil Fired Package Cast Iron Boiler..... Note: Weil-McLain Model 88. Fire tested factory assembled package cast iron unit.	41,416.10	1,396.73
23 52 23 00-0107 EA 2,966 MBH Steam, 3,322 MBH Water Gas/Oil Fired Package Cast Iron Boiler..... Note: Weil-McLain Model 88. Fire tested factory assembled package cast iron unit.	42,597.35	1,396.73
23 52 23 00-0108 EA 3,175 MBH Steam, 3,557 MBH Water Gas/Oil Fired Package Cast Iron Boiler..... Note: Weil-McLain Model 88. Fire tested factory assembled package cast iron unit.	45,126.85	1,496.50
23 52 23 00-0109 EA 3,383 MBH Steam, 3,800 MBH Water Gas/Oil Fired Package Cast Iron Boiler..... Note: Weil-McLain Model 88. Fire tested factory assembled package cast iron unit.	47,009.50	1,496.50
23 52 23 00-0110 EA 3,602 MBH Steam, 4,035 MBH Water Gas/Oil Fired Package Cast Iron Boiler..... Note: Weil-McLain Model 88. Fire tested factory assembled package cast iron unit.	48,956.22	1,596.27
23 52 23 00-0111 Weil-McLain Model 94 Cast Iron Boiler <small>(23 52 23)</small>		
Note: Capacities are the steam or water MBH output. Includes burner unit and controls. Excludes flue piping, fuel piping, boiler base or pad.		
23 52 23 00-0112 Gas Fired Weil-McLain Model 94 Cast Iron Boiler <small>(23 52 23 00-0111)</small>		
Note: Field assembled boilers can only be used in situations where package units cannot be installed.		
23 52 23 00-0113 EA 1,575 MBH Steam, 1,763 MBH Water Gas Fired Cast Iron Boiler..... Note: Weil-McLain Model 94. Includes field assembly of individual sections and testing.	59,617.11	8,493.21
23 52 23 00-0114 EA 1,801 MBH Steam, 2,017 MBH Water Gas Fired Cast Iron Boiler..... Note: Weil-McLain Model 94. Includes field assembly of individual sections and testing.	64,536.88	8,978.53
23 52 23 00-0115 EA 2,028 MBH Steam, 2,271 MBH Water Gas Fired Cast Iron Boiler..... Note: Weil-McLain Model 94. Includes field assembly of individual sections and testing.	69,041.70	9,463.87
23 52 23 00-0116 EA 2,255 MBH Steam, 2,525 MBH Water Gas Fired Cast Iron Boiler..... Note: Weil-McLain Model 94. Includes field assembly of individual sections and testing.	73,454.88	9,949.19
23 52 23 00-0117 EA 2,477 MBH Steam, 2,774 MBH Water Gas Fired Cast Iron Boiler..... Note: Weil-McLain Model 94. Includes field assembly of individual sections and testing.	77,908.41	10,434.52
23 52 23 00-0118 EA 2,702 MBH Steam, 3,026 MBH Water Gas Fired Cast Iron Boiler..... Note: Weil-McLain Model 94. Includes field assembly of individual sections and testing.	83,774.90	10,919.85
23 52 23 00-0119 EA 2,927 MBH Steam, 3,278 MBH Water Gas Fired Cast Iron Boiler..... Note: Weil-McLain Model 94. Includes field assembly of individual sections and testing.	87,978.63	11,405.17
23 52 23 00-0120 EA 3,160 MBH Steam, 3,539 MBH Water Gas Fired Cast Iron Boiler..... Note: Weil-McLain Model 94. Includes field assembly of individual sections and testing.	92,050.54	11,890.50
23 52 23 00-0121 EA 3,385 MBH Steam, 3,791 MBH Water Gas Fired Cast Iron Boiler..... Note: Weil-McLain Model 94. Includes field assembly of individual sections and testing.	98,594.65	12,375.82
23 52 23 00-0122 EA 3,610 MBH Steam, 4,043 MBH Water Gas Fired Cast Iron Boiler..... Note: Weil-McLain Model 94. Includes field assembly of individual sections and testing.	102,664.27	12,861.15
23 52 23 00-0123 EA 3,835 MBH Steam, 4,296 MBH Water Gas Fired Cast Iron Boiler..... Note: Weil-McLain Model 94. Includes field assembly of individual sections and testing.	106,173.79	13,346.47
23 52 23 00-0124 EA 4,061 MBH Steam, 4,548 MBH Water Gas Fired Cast Iron Boiler..... Note: Weil-McLain Model 94. Includes field assembly of individual sections and testing.	112,494.42	13,831.80
23 52 23 00-0125 EA 4,286 MBH Steam, 4,800 MBH Water Gas Fired Cast Iron Boiler..... Note: Weil-McLain Model 94. Includes field assembly of individual sections and testing.	116,596.60	14,317.13
23 52 23 00-0126 EA 4,511 MBH Steam, 5,052 MBH Water Gas Fired Cast Iron Boiler..... Note: Weil-McLain Model 94. Includes field assembly of individual sections and testing.	123,060.14	14,802.45
23 52 23 00-0127 EA 4,736 MBH Steam, 5,304 MBH Water Gas Fired Cast Iron Boiler..... Note: Weil-McLain Model 94. Includes field assembly of individual sections and testing.	127,371.42	15,287.79
23 52 23 00-0128 EA 4,961 MBH Steam, 5,557 MBH Water Gas Fired Cast Iron Boiler..... Note: Weil-McLain Model 94. Includes field assembly of individual sections and testing.	132,076.78	15,773.11
23 52 23 00-0129 EA 5,186 MBH Steam, 5,809 MBH Water Gas Fired Cast Iron Boiler..... Note: Weil-McLain Model 94. Includes field assembly of individual sections and testing.	136,136.66	16,258.44
23 52 23 00-0130 EA 5,411 MBH Steam, 6,061 MBH Water Gas Fired Cast Iron Boiler..... Note: Weil-McLain Model 94. Includes field assembly of individual sections and testing.	140,309.39	16,743.76

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 50 Central Heating Equipment****23 52 Heating Boilers**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 52 23 00-0131 Gas Fired Package Weil-McLain Model 94 Cast Iron Boiler <small>(23 52 23 00-0111)</small>		
23 52 23 00-0132 EA 1,575 MBH Steam, 1,763 MBH Water Gas Fired Package Cast Iron Boiler..... Note: Weil-McLain Model 94. Fire tested factory assembled package cast iron unit.	51,718.64	1,296.97
23 52 23 00-0133 EA 1,801 MBH Steam, 2,017 MBH Water Gas Fired Package Cast Iron Boiler..... Note: Weil-McLain Model 94. Fire tested factory assembled package cast iron unit.	56,398.55	1,396.73
23 52 23 00-0134 EA 2,028 MBH Steam, 2,271 MBH Water Gas Fired Package Cast Iron Boiler..... Note: Weil-McLain Model 94. Fire tested factory assembled package cast iron unit.	60,660.55	1,496.50
23 52 23 00-0135 EA 2,255 MBH Steam, 2,525 MBH Water Gas Fired Package Cast Iron Boiler..... Note: Weil-McLain Model 94. Fire tested factory assembled package cast iron unit.	64,834.32	1,596.27
23 52 23 00-0136 EA 2,477 MBH Steam, 2,774 MBH Water Gas Fired Package Cast Iron Boiler..... Note: Weil-McLain Model 94. Fire tested factory assembled package cast iron unit.	68,645.82	1,596.27
23 52 23 00-0137 EA 2,702 MBH Steam, 3,026 MBH Water Gas Fired Package Cast Iron Boiler..... Note: Weil-McLain Model 94. Fire tested factory assembled package cast iron unit.	72,721.03	1,696.04
23 52 23 00-0138 EA 2,927 MBH Steam, 3,278 MBH Water Gas Fired Package Cast Iron Boiler..... Note: Weil-McLain Model 94. Fire tested factory assembled package cast iron unit.	76,283.68	1,696.04
23 52 23 00-0139 EA 3,160 MBH Steam, 3,539 MBH Water Gas Fired Package Cast Iron Boiler..... Note: Weil-McLain Model 94. Fire tested factory assembled package cast iron unit.	80,114.10	1,795.80
23 52 23 00-0140 EA 3,385 MBH Steam, 3,791 MBH Water Gas Fired Package Cast Iron Boiler..... Note: Weil-McLain Model 94. Fire tested factory assembled package cast iron unit.	86,018.25	1,795.80
23 52 23 00-0141 EA 3,610 MBH Steam, 4,043 MBH Water Gas Fired Package Cast Iron Boiler..... Note: Weil-McLain Model 94. Fire tested factory assembled package cast iron unit.	89,847.61	1,895.56
23 52 23 00-0142 EA 3,835 MBH Steam, 4,296 MBH Water Gas Fired Package Cast Iron Boiler..... Note: Weil-McLain Model 94. Fire tested factory assembled package cast iron unit.	92,716.21	1,895.56
23 52 23 00-0143 EA 4,061 MBH Steam, 4,548 MBH Water Gas Fired Package Cast Iron Boiler..... Note: Weil-McLain Model 94. Fire tested factory assembled package cast iron unit.	98,797.94	1,995.34
23 52 23 00-0144 EA 4,286 MBH Steam, 4,800 MBH Water Gas Fired Package Cast Iron Boiler..... Note: Weil-McLain Model 94. Fire tested factory assembled package cast iron unit.	102,258.74	1,995.34
23 52 23 00-0145 EA 4,511 MBH Steam, 5,052 MBH Water Gas Fired Package Cast Iron Boiler..... Note: Weil-McLain Model 94. Fire tested factory assembled package cast iron unit.	108,500.07	2,095.10
23 52 23 00-0146 EA 4,736 MBH Steam, 5,304 MBH Water Gas Fired Package Cast Iron Boiler..... Note: Weil-McLain Model 94. Fire tested factory assembled package cast iron unit.	112,150.92	2,095.10
23 52 23 00-0147 EA 4,961 MBH Steam, 5,557 MBH Water Gas Fired Package Cast Iron Boiler..... Note: Weil-McLain Model 94. Fire tested factory assembled package cast iron unit.	116,613.48	2,194.86
23 52 23 00-0148 EA 5,186 MBH Steam, 5,809 MBH Water Gas Fired Package Cast Iron Boiler..... Note: Weil-McLain Model 94. Fire tested factory assembled package cast iron unit.	120,033.33	2,194.86
23 52 23 00-0149 EA 5,411 MBH Steam, 6,061 MBH Water Gas Fired Package Cast Iron Boiler..... Note: Weil-McLain Model 94. Fire tested factory assembled package cast iron unit.	123,964.54	2,294.63
23 52 23 00-0150 Oil Fired Weil-McLain Model 94 Cast Iron Boiler <small>(23 52 23 00-0111)</small>		
Note: Field assembled boilers can only be used in situations where package units cannot be installed.		
23 52 23 00-0151 EA 1,575 MBH Steam, 1,763 MBH Water Oil Fired Cast Iron Boiler..... Note: Weil-McLain Model 94. Includes field assembly of individual sections and testing.	56,483.91	8,493.21
23 52 23 00-0152 EA 1,801 MBH Steam, 2,017 MBH Water Oil Fired Cast Iron Boiler..... Note: Weil-McLain Model 94. Includes field assembly of individual sections and testing.	61,403.68	8,978.53
23 52 23 00-0153 EA 2,028 MBH Steam, 2,271 MBH Water Oil Fired Cast Iron Boiler..... Note: Weil-McLain Model 94. Includes field assembly of individual sections and testing.	67,359.60	9,463.87
23 52 23 00-0154 EA 2,255 MBH Steam, 2,525 MBH Water Oil Fired Cast Iron Boiler..... Note: Weil-McLain Model 94. Includes field assembly of individual sections and testing.	71,393.73	9,949.19
23 52 23 00-0155 EA 2,477 MBH Steam, 2,774 MBH Water Oil Fired Cast Iron Boiler..... Note: Weil-McLain Model 94. Includes field assembly of individual sections and testing.	75,588.96	10,434.52
23 52 23 00-0156 EA 2,702 MBH Steam, 3,026 MBH Water Oil Fired Cast Iron Boiler..... Note: Weil-McLain Model 94. Includes field assembly of individual sections and testing.	81,166.70	10,919.85
23 52 23 00-0157 EA 2,927 MBH Steam, 3,278 MBH Water Oil Fired Cast Iron Boiler..... Note: Weil-McLain Model 94. Includes field assembly of individual sections and testing.	85,565.73	11,405.17
23 52 23 00-0158 EA 3,160 MBH Steam, 3,539 MBH Water Oil Fired Cast Iron Boiler..... Note: Weil-McLain Model 94. Includes field assembly of individual sections and testing.	89,639.74	11,890.50
23 52 23 00-0159 EA 3,385 MBH Steam, 3,791 MBH Water Oil Fired Cast Iron Boiler..... Note: Weil-McLain Model 94. Includes field assembly of individual sections and testing.	96,933.55	12,375.82
23 52 23 00-0160 EA 3,610 MBH Steam, 4,043 MBH Water Oil Fired Cast Iron Boiler..... Note: Weil-McLain Model 94. Includes field assembly of individual sections and testing.	101,004.22	12,861.15
23 52 23 00-0161 EA 3,835 MBH Steam, 4,296 MBH Water Oil Fired Cast Iron Boiler..... Note: Weil-McLain Model 94. Includes field assembly of individual sections and testing.	105,073.39	13,346.47
23 52 23 00-0162 EA 4,061 MBH Steam, 4,548 MBH Water Oil Fired Cast Iron Boiler..... Note: Weil-McLain Model 94. Includes field assembly of individual sections and testing.	112,501.77	13,831.80
23 52 23 00-0163 EA 4,286 MBH Steam, 4,800 MBH Water Oil Fired Cast Iron Boiler..... Note: Weil-McLain Model 94. Includes field assembly of individual sections and testing.	116,603.95	14,317.13
23 52 23 00-0164 EA 4,511 MBH Steam, 5,052 MBH Water Oil Fired Cast Iron Boiler..... Note: Weil-McLain Model 94. Includes field assembly of individual sections and testing.	123,236.54	14,802.45
23 52 23 00-0165 EA 4,736 MBH Steam, 5,304 MBH Water Oil Fired Cast Iron Boiler..... Note: Weil-McLain Model 94. Includes field assembly of individual sections and testing.	127,546.77	15,287.79
23 52 23 00-0166 EA 4,961 MBH Steam, 5,557 MBH Water Oil Fired Cast Iron Boiler..... Note: Weil-McLain Model 94. Includes field assembly of individual sections and testing.	132,161.83	15,773.11
23 52 23 00-0167 EA 5,186 MBH Steam, 5,809 MBH Water Oil Fired Cast Iron Boiler..... Note: Weil-McLain Model 94. Includes field assembly of individual sections and testing.	136,221.71	16,258.44
23 52 23 00-0168 EA 5,411 MBH Steam, 6,061 MBH Water Oil Fired Cast Iron Boiler..... Note: Weil-McLain Model 94. Includes field assembly of individual sections and testing.	140,400.74	16,743.76
23 52 23 00-0169 Oil Fired Package Weil-McLain Model 94 Cast Iron Boiler <small>(23 52 23 00-0111)</small>		
23 52 23 00-0170 EA 1,575 MBH Steam, 1,763 MBH Water Oil Fired Package Cast Iron Boiler..... Note: Weil-McLain Model 94. Fire tested factory assembled package cast iron unit.	48,415.34	1,296.97



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 52 23 00-0171 EA 1,801 MBH Steam, 2,017 MBH Water Oil Fired Package Cast Iron Boiler..... Note: Weil-McLain Model 94. Fire tested factory assembled package cast iron unit.	53,095.25	1,396.73
23 52 23 00-0172 EA 2,028 MBH Steam, 2,271 MBH Water Oil Fired Package Cast Iron Boiler..... Note: Weil-McLain Model 94. Fire tested factory assembled package cast iron unit.	58,808.35	1,496.50
23 52 23 00-0173 EA 2,255 MBH Steam, 2,525 MBH Water Oil Fired Package Cast Iron Boiler..... Note: Weil-McLain Model 94. Fire tested factory assembled package cast iron unit.	62,603.07	1,596.27
23 52 23 00-0174 EA 2,477 MBH Steam, 2,774 MBH Water Oil Fired Package Cast Iron Boiler..... Note: Weil-McLain Model 94. Fire tested factory assembled package cast iron unit.	66,156.27	1,596.27
23 52 23 00-0175 EA 2,702 MBH Steam, 3,026 MBH Water Oil Fired Package Cast Iron Boiler..... Note: Weil-McLain Model 94. Fire tested factory assembled package cast iron unit.	69,942.73	1,696.04
23 52 23 00-0176 EA 2,927 MBH Steam, 3,278 MBH Water Oil Fired Package Cast Iron Boiler..... Note: Weil-McLain Model 94. Fire tested factory assembled package cast iron unit.	73,700.68	1,696.04
23 52 23 00-0177 EA 3,160 MBH Steam, 3,539 MBH Water Oil Fired Package Cast Iron Boiler..... Note: Weil-McLain Model 94. Fire tested factory assembled package cast iron unit.	77,531.10	1,795.80
23 52 23 00-0178 EA 3,385 MBH Steam, 3,791 MBH Water Oil Fired Package Cast Iron Boiler..... Note: Weil-McLain Model 94. Fire tested factory assembled package cast iron unit.	84,187.05	1,795.80
23 52 23 00-0179 EA 3,610 MBH Steam, 4,043 MBH Water Oil Fired Package Cast Iron Boiler..... Note: Weil-McLain Model 94. Fire tested factory assembled package cast iron unit.	88,015.36	1,895.56
23 52 23 00-0180 EA 3,835 MBH Steam, 4,296 MBH Water Oil Fired Package Cast Iron Boiler..... Note: Weil-McLain Model 94. Fire tested factory assembled package cast iron unit.	91,445.71	1,895.56
23 52 23 00-0181 EA 4,061 MBH Steam, 4,548 MBH Water Oil Fired Package Cast Iron Boiler..... Note: Weil-McLain Model 94. Fire tested factory assembled package cast iron unit.	98,635.19	1,995.34
23 52 23 00-0182 EA 4,286 MBH Steam, 4,800 MBH Water Oil Fired Package Cast Iron Boiler..... Note: Weil-McLain Model 94. Fire tested factory assembled package cast iron unit.	102,095.99	1,995.34
23 52 23 00-0183 EA 4,511 MBH Steam, 5,052 MBH Water Oil Fired Package Cast Iron Boiler..... Note: Weil-McLain Model 94. Fire tested factory assembled package cast iron unit.	108,485.37	2,095.10
23 52 23 00-0184 EA 4,736 MBH Steam, 5,304 MBH Water Oil Fired Package Cast Iron Boiler..... Note: Weil-McLain Model 94. Fire tested factory assembled package cast iron unit.	112,156.17	2,095.10
23 52 23 00-0185 EA 4,961 MBH Steam, 5,557 MBH Water Oil Fired Package Cast Iron Boiler..... Note: Weil-McLain Model 94. Fire tested factory assembled package cast iron unit.	116,528.43	2,194.86
23 52 23 00-0186 EA 5,186 MBH Steam, 5,809 MBH Water Oil Fired Package Cast Iron Boiler..... Note: Weil-McLain Model 94. Fire tested factory assembled package cast iron unit.	119,948.28	2,194.86
23 52 23 00-0187 EA 5,411 MBH Steam, 6,061 MBH Water Oil Fired Package Cast Iron Boiler..... Note: Weil-McLain Model 94. Fire tested factory assembled package cast iron unit.	123,885.79	2,294.63
23 52 23 00-0188 Gas/Oil Fired Weil-McLain Model 94 Cast Iron Boiler <small>(23 52 23 00-0111)</small> Note: Field assembled boilers can only be used in situations where package units cannot be installed.		
23 52 23 00-0189 EA 1,575 MBH Steam, 1,763 MBH Water Gas/Oil Fired Cast Iron Boiler..... Note: Weil-McLain Model 94. Includes field assembly of individual sections and testing.	60,602.01	8,493.21
23 52 23 00-0190 EA 1,801 MBH Steam, 2,017 MBH Water Gas/Oil Fired Cast Iron Boiler..... Note: Weil-McLain Model 94. Includes field assembly of individual sections and testing.	65,522.83	8,978.53
23 52 23 00-0191 EA 2,028 MBH Steam, 2,271 MBH Water Gas/Oil Fired Cast Iron Boiler..... Note: Weil-McLain Model 94. Includes field assembly of individual sections and testing.	70,296.45	9,463.87
23 52 23 00-0192 EA 2,255 MBH Steam, 2,525 MBH Water Gas/Oil Fired Cast Iron Boiler..... Note: Weil-McLain Model 94. Includes field assembly of individual sections and testing.	74,815.68	9,949.19
23 52 23 00-0193 EA 2,477 MBH Steam, 2,774 MBH Water Gas/Oil Fired Cast Iron Boiler..... Note: Weil-McLain Model 94. Includes field assembly of individual sections and testing.	79,245.06	10,434.52
23 52 23 00-0194 EA 2,702 MBH Steam, 3,026 MBH Water Gas/Oil Fired Cast Iron Boiler..... Note: Weil-McLain Model 94. Includes field assembly of individual sections and testing.	84,268.40	10,919.85
23 52 23 00-0195 EA 2,927 MBH Steam, 3,278 MBH Water Gas/Oil Fired Cast Iron Boiler..... Note: Weil-McLain Model 94. Includes field assembly of individual sections and testing.	89,617.68	11,405.17
23 52 23 00-0196 EA 3,160 MBH Steam, 3,539 MBH Water Gas/Oil Fired Cast Iron Boiler..... Note: Weil-McLain Model 94. Includes field assembly of individual sections and testing.	93,947.89	11,890.50
23 52 23 00-0197 EA 3,385 MBH Steam, 3,791 MBH Water Gas/Oil Fired Cast Iron Boiler..... Note: Weil-McLain Model 94. Includes field assembly of individual sections and testing.	100,656.85	12,375.82
23 52 23 00-0198 EA 3,610 MBH Steam, 4,043 MBH Water Gas/Oil Fired Cast Iron Boiler..... Note: Weil-McLain Model 94. Includes field assembly of individual sections and testing.	104,726.47	12,861.15
23 52 23 00-0199 EA 3,835 MBH Steam, 4,296 MBH Water Gas/Oil Fired Cast Iron Boiler..... Note: Weil-McLain Model 94. Includes field assembly of individual sections and testing.	108,309.49	13,346.47
23 52 23 00-0200 EA 4,061 MBH Steam, 4,548 MBH Water Gas/Oil Fired Cast Iron Boiler..... Note: Weil-McLain Model 94. Includes field assembly of individual sections and testing.	114,701.52	13,831.80
23 52 23 00-0201 EA 4,286 MBH Steam, 4,800 MBH Water Gas/Oil Fired Cast Iron Boiler..... Note: Weil-McLain Model 94. Includes field assembly of individual sections and testing.	119,853.70	14,317.13
23 52 23 00-0202 EA 4,511 MBH Steam, 5,052 MBH Water Gas/Oil Fired Cast Iron Boiler..... Note: Weil-McLain Model 94. Includes field assembly of individual sections and testing.	126,880.04	14,802.45
23 52 23 00-0203 EA 4,736 MBH Steam, 5,304 MBH Water Gas/Oil Fired Cast Iron Boiler..... Note: Weil-McLain Model 94. Includes field assembly of individual sections and testing.	131,159.82	15,287.79
23 52 23 00-0204 EA 4,961 MBH Steam, 5,557 MBH Water Gas/Oil Fired Cast Iron Boiler..... Note: Weil-McLain Model 94. Includes field assembly of individual sections and testing.	136,060.48	15,773.11
23 52 23 00-0205 EA 5,186 MBH Steam, 5,809 MBH Water Gas/Oil Fired Cast Iron Boiler..... Note: Weil-McLain Model 94. Includes field assembly of individual sections and testing.	140,121.41	16,258.44
23 52 23 00-0206 EA 5,411 MBH Steam, 6,061 MBH Water Gas/Oil Fired Cast Iron Boiler..... Note: Weil-McLain Model 94. Includes field assembly of individual sections and testing.	144,297.29	16,743.76
23 52 23 00-0207 Gas/Oil Fired Package Weil-McLain Model 94 Cast Iron Boiler <small>(23 52 23 00-0111)</small>		
23 52 23 00-0208 EA 1,575 MBH Steam, 1,763 MBH Water Gas/Oil Fired Package Cast Iron Boiler..... Note: Weil-McLain Model 94. Fire tested factory assembled package cast iron unit.	52,780.19	1,296.97
23 52 23 00-0209 EA 1,801 MBH Steam, 2,017 MBH Water Gas/Oil Fired Package Cast Iron Boiler..... Note: Weil-McLain Model 94. Fire tested factory assembled package cast iron unit.	57,461.15	1,396.73
23 52 23 00-0210 EA 2,028 MBH Steam, 2,271 MBH Water Gas/Oil Fired Package Cast Iron Boiler..... Note: Weil-McLain Model 94. Fire tested factory assembled package cast iron unit.	61,995.10	1,496.50

23 Heating, Ventilating, And Air-Conditioning (HVAC)

23 50 Central Heating Equipment

23 52 Heating Boilers



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 52	23 00-0211	EA	2,255 MBH Steam, 2,525 MBH Water Gas/Oil Fired Package Cast Iron Boiler..... Note: Weil-McLain Model 94. Fire tested factory assembled package cast iron unit.	66,272.82	1,596.27
23 52	23 00-0212	EA	2,477 MBH Steam, 2,774 MBH Water Gas/Oil Fired Package Cast Iron Boiler..... Note: Weil-McLain Model 94. Fire tested factory assembled package cast iron unit.	70,060.17	1,596.27
23 52	23 00-0213	EA	2,702 MBH Steam, 3,026 MBH Water Gas/Oil Fired Package Cast Iron Boiler..... Note: Weil-McLain Model 94. Fire tested factory assembled package cast iron unit.	73,291.18	1,696.04
23 52	23 00-0214	EA	2,927 MBH Steam, 3,278 MBH Water Gas/Oil Fired Package Cast Iron Boiler..... Note: Weil-McLain Model 94. Fire tested factory assembled package cast iron unit.	77,999.38	1,696.04
23 52	23 00-0215	EA	3,160 MBH Steam, 3,539 MBH Water Gas/Oil Fired Package Cast Iron Boiler..... Note: Weil-McLain Model 94. Fire tested factory assembled package cast iron unit.	82,087.05	1,795.80
23 52	23 00-0216	EA	3,385 MBH Steam, 3,791 MBH Water Gas/Oil Fired Package Cast Iron Boiler..... Note: Weil-McLain Model 94. Fire tested factory assembled package cast iron unit.	88,158.15	1,795.80
23 52	23 00-0217	EA	3,610 MBH Steam, 4,043 MBH Water Gas/Oil Fired Package Cast Iron Boiler..... Note: Weil-McLain Model 94. Fire tested factory assembled package cast iron unit.	91,985.41	1,895.56
23 52	23 00-0218	EA	3,835 MBH Steam, 4,296 MBH Water Gas/Oil Fired Package Cast Iron Boiler..... Note: Weil-McLain Model 94. Fire tested factory assembled package cast iron unit.	94,928.56	1,895.56
23 52	23 00-0219	EA	4,061 MBH Steam, 4,548 MBH Water Gas/Oil Fired Package Cast Iron Boiler..... Note: Weil-McLain Model 94. Fire tested factory assembled package cast iron unit.	101,081.69	1,995.34
23 52	23 00-0220	EA	4,286 MBH Steam, 4,800 MBH Water Gas/Oil Fired Package Cast Iron Boiler..... Note: Weil-McLain Model 94. Fire tested factory assembled package cast iron unit.	105,593.54	1,995.34
23 52	23 00-0221	EA	4,511 MBH Steam, 5,052 MBH Water Gas/Oil Fired Package Cast Iron Boiler..... Note: Weil-McLain Model 94. Fire tested factory assembled package cast iron unit.	112,376.67	2,095.10
23 52	23 00-0222	EA	4,736 MBH Steam, 5,304 MBH Water Gas/Oil Fired Package Cast Iron Boiler..... Note: Weil-McLain Model 94. Fire tested factory assembled package cast iron unit.	116,017.02	2,095.10
23 52	23 00-0223	EA	4,961 MBH Steam, 5,557 MBH Water Gas/Oil Fired Package Cast Iron Boiler..... Note: Weil-McLain Model 94. Fire tested factory assembled package cast iron unit.	120,673.83	2,194.86
23 52	23 00-0224	EA	5,186 MBH Steam, 5,809 MBH Water Gas/Oil Fired Package Cast Iron Boiler..... Note: Weil-McLain Model 94. Fire tested factory assembled package cast iron unit.	124,094.73	2,194.86
23 52	23 00-0225	EA	5,411 MBH Steam, 6,061 MBH Water Gas/Oil Fired Package Cast Iron Boiler..... Note: Weil-McLain Model 94. Fire tested factory assembled package cast iron unit.	128,030.14	2,294.63

23 52 33 Water-Tube Boilers (23 52)

23 52 33 13 Finned Water-Tube Boilers (23 52 33)

23 52 33 13-0001 Laars Pennant 85% Efficient Water, Gas Fired, Copper Fin Tube LoNox Boiler (23 52 33 13)

23 52 33 13-0002	EA	200 MBH 85% Efficient, Water, Gas Fired, Copper Fin Tube LoNox Boiler (Laars Pennant).....	6,738.44	609.46
23 52 33 13-0003	EA	300 MBH 85% Efficient, Water, Gas Fired, Copper Fin Tube LoNox Boiler (Laars Pennant).....	7,421.28	677.18
23 52 33 13-0004	EA	400 MBH 85% Efficient, Water, Gas Fired, Copper Fin Tube LoNox Boiler (Laars Pennant).....	8,556.46	812.61
23 52 33 13-0005	EA	500 MBH 85% Efficient, Water, Gas Fired, Copper Fin Tube LoNox Boiler (Laars Pennant).....	10,757.99	846.47
23 52 33 13-0006	EA	750 MBH 85% Efficient, Water, Gas Fired, Copper Fin Tube LoNox Boiler (Laars Pennant).....	12,657.36	1,015.77
23 52 33 13-0007	EA	1,000 MBH 85% Efficient, Water, Gas Fired, Copper Fin Tube LoNox Boiler (Laars Pennant).....	15,527.05	1,218.92
23 52 33 13-0008	EA	1,250 MBH 85% Efficient, Water, Gas Fired, Copper Fin Tube LoNox Boiler (Laars Pennant).....	17,550.83	1,286.64
23 52 33 13-0009	EA	1,500 MBH 85% Efficient, Water, Gas Fired, Copper Fin Tube LoNox Boiler (Laars Pennant).....	19,407.89	1,388.22
23 52 33 13-0010	EA	1,750 MBH 85% Efficient, Water, Gas Fired, Copper Fin Tube LoNox Boiler (Laars Pennant).....	21,111.39	1,455.93
23 52 33 13-0011	EA	2,000 MBH 85% Efficient, Water, Gas Fired, Copper Fin Tube LoNox Boiler (Laars Pennant).....	22,589.26	1,489.79

23 52 33 13-0012 Patterson Kelly Modufire Forced Draft, Water, Gas Fired, Copper Fin Tube Boiler (23 52 33 13)

23 52 33 13-0013	EA	1,000 MBH Forced Draft, Water, Gas Fired, Copper Fin Tube Boiler (Patterson Kelly Modufire).....	22,709.29	1,218.92
23 52 33 13-0014	EA	1,500 MBH Forced Draft, Water, Gas Fired, Copper Fin Tube Boiler (Patterson Kelly Modufire).....	28,243.57	1,388.22
23 52 33 13-0015	EA	2,000 MBH Forced Draft, Water, Gas Fired, Copper Fin Tube Boiler (Patterson Kelly Modufire).....	30,105.07	1,489.79
23 52 33 13-0016	EA	2,500 MBH Forced Draft, Water, Gas Fired, Copper Fin Tube Boiler (Patterson Kelly Modufire).....	42,226.02	1,692.94
23 52 33 13-0017	EA	3,000 MBH Forced Draft, Water, Gas Fired, Copper Fin Tube Boiler (Patterson Kelly Modufire).....	44,397.55	1,896.10

23 52 33 13-0018 Lochinvar Copper-Fin II Finned Tube Boiler (23 52 33 13)

23 52 33 13-0019	EA	340 MBH, 85% Efficient, Gas Fired, Copper Finned Tube Boiler (Lochinvar CHN0402)..... <i>For High And Low Gas Pressure Switch With Manual Reset, Add 260.90</i> <i>For Low Water Cut-Off, Probe Type, Manual Reset With Test, Add 231.12</i>	7,758.65	546.88
23 52 33 13-0020	EA	425 MBH, 85% Efficient, Gas Fired, Copper Finned Tube Boiler (Lochinvar CHN0502)..... <i>For High And Low Gas Pressure Switch With Manual Reset, Add 260.90</i> <i>For Low Water Cut-Off, Probe Type, Manual Reset With Test, Add 231.12</i>	9,350.21	683.34
23 52 33 13-0021	EA	552.5 MBH, 85% Efficient, Gas Fired, Copper Finned Tube Boiler (Lochinvar CHN0652)..... <i>For High And Low Gas Pressure Switch With Manual Reset, Add 260.90</i> <i>For Low Water Cut-Off, Probe Type, Manual Reset With Test, Add 231.12</i>	10,149.14	820.83
23 52 33 13-0022	EA	637.5 MBH, 85% Efficient, Gas Fired, Copper Finned Tube Boiler (Lochinvar CHN0752)..... <i>For High And Low Gas Pressure Switch With Manual Reset, Add 260.90</i> <i>For Low Water Cut-Off, Probe Type, Manual Reset With Test, Add 231.12</i>	10,397.99	820.83
23 52 33 13-0023	EA	841.5 MBH, 85% Efficient, Gas Fired, Copper Finned Tube Boiler (Lochinvar CHN0992)..... <i>For High And Low Gas Pressure Switch With Manual Reset, Add 260.90</i> <i>For Low Water Cut-Off, Probe Type, Manual Reset With Test, Add 231.12</i>	12,908.69	1,026.03
23 52 33 13-0024	EA	1,071 MBH, 85% Efficient, Gas Fired, Copper Finned Tube Boiler (Lochinvar CHN1262)..... <i>For High And Low Gas Pressure Switch With Manual Reset, Add 260.90</i> <i>For Low Water Cut-Off, Probe Type, Manual Reset With Test, Add 231.12</i>	14,735.00	1,026.03
23 52 33 13-0025	EA	1,224 MBH, 85% Efficient, Gas Fired, Copper Finned Tube Boiler (Lochinvar CHN1442)..... <i>For High And Low Gas Pressure Switch With Manual Reset, Add 260.90</i> <i>For Low Water Cut-Off, Probe Type, Manual Reset With Test, Add 231.12</i>	15,943.09	1,026.03



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 52 33 13-0026	EA			1,530 MBH, 85% Efficient, Gas Fired, Copper Finned Tube Boiler (Lochinvar CHN1802)..... <i>For High And Low Gas Pressure Switch With Manual Reset, Add For Low Water Cut-Off, Probe Type, Manual Reset With Test, Add</i>	17,351.33 260.90 231.12	1,231.23
23 52 33 13-0027	EA			1,759.5 MBH, 85% Efficient, Gas Fired, Copper Finned Tube Boiler (Lochinvar CHN2072)..... <i>For High And Low Gas Pressure Switch With Manual Reset, Add For Low Water Cut-Off, Probe Type, Manual Reset With Test, Add</i>	20,495.85 260.90 231.12	1,436.44
23 52 33 13-0028				Raypak Cupro-Nickel Finned-Tube Boiler With Pump <small>(23 52 33 13)</small>		
23 52 33 13-0029	EA			385 MBH Water, Gas Fired, On/Off, Cupro-Nickel Finned-Tube Boiler With Pump (Raypak H4-399B).....	7,776.50	751.66
23 52 33 13-0030	EA			420 MBH Water, Gas Fired, Two Stage, Cupro-Nickel Finned-Tube Boiler With Pump (Raypak H3-499B)	8,386.68	677.18
23 52 33 13-0031	EA			546 MBH Water, Gas Fired, Two Stage, Cupro-Nickel Finned-Tube Boiler With Pump (Raypak H3-649B)	9,251.97	812.61
23 52 33 13-0032	EA			630 MBH Water, Gas Fired, Two Stage, Cupro-Nickel Finned-Tube Boiler With Pump (Raypak H3-749B)	9,840.65	922.50
23 52 33 13-0033	EA			756 MBH Water, Gas Fired, Two Stage, Cupro-Nickel Finned-Tube Boiler With Pump (Raypak H3-899B)	10,931.56	1,015.77
23 52 33 13-0034	EA			832 MBH Water, Gas Fired, Two Stage, Cupro-Nickel Finned-Tube Boiler With Pump (Raypak H3-989B)	11,745.83	1,093.34
23 52 33 13-0035	EA			1,058 MBH Water, Gas Fired, Three Stage, Cupro-Nickel Finned-Tube Boiler With Pump (Raypak H8-1259B)	13,395.86	1,218.92
23 52 33 13-0036	EA			1,285 MBH Water, Gas Fired, Four Stage, Cupro-Nickel Finned-Tube Boiler With Pump (Raypak H9-1529B)	15,400.37	1,286.64
23 52 33 13-0037	EA			1,512 MBH Water, Gas Fired, Four Stage, Cupro-Nickel Finned-Tube Boiler With Pump (Raypak H9-1799B)	16,369.88	1,388.22
23 52 33 13-0038	EA			1,679 MBH Water, Gas Fired, Four Stage, Cupro-Nickel Finned-Tube Boiler With Pump (Raypak H9-1999B)	19,266.47	1,422.07
23 52 33 13-0039	EA			1,739 MBH Water, Gas Fired, Four Stage, Cupro-Nickel Finned-Tube Boiler With Pump (Raypak H9-2069B)	19,369.08	1,455.93
23 52 33 13-0040	EA			1,966 MBH Water, Gas Fired, Four Stage, Cupro-Nickel Finned-Tube Boiler With Pump (Raypak H9-2339B)	22,391.36	1,489.79
23 52 33 16				Steel Water-Tube Boilers <small>(23 52 33)</small>		
23 52 33 16-0001				Unilux 85% Efficient, Gas Fired, Forced Draft, Hot Water, Steel Flexible Watertube Boiler <small>(23 52 33 16)</small> Note: Compliant with BAAQMD.		
23 52 33 16-0002	EA			1,250 MBH Input/1,062 MBH Output, 85% Efficient, Gas Fired, Forced Draft, Hot Water, Steel Flexible Watertube Boiler (Unilux ZF100).....	45,397.73	1,641.64
23 52 33 16-0003	EA			1,750 MBH Input/1,488 MBH Output, 85% Efficient, Gas Fired, Forced Draft, Hot Water, Steel Flexible Watertube Boiler (Unilux ZF150).....	49,069.04	2,052.05
23 52 33 16-0004	EA			2,200 MBH Input/1,870 MBH Output, 85% Efficient, Gas Fired, Forced Draft, Hot Water, Steel Flexible Watertube Boiler (Unilux ZF200).....	50,112.28	2,257.26
23 52 33 16-0005	EA			2,750 MBH Input/2,338 MBH Output, 85% Efficient, Gas Fired, Forced Draft, Hot Water, Steel Flexible Watertube Boiler (Unilux ZF250).....	54,006.00	2,462.47
23 52 33 16-0006	EA			3,000 MBH Input/2,550 MBH Output, 85% Efficient, Gas Fired, Forced Draft, Hot Water, Steel Flexible Watertube Boiler (Unilux ZF300).....	56,046.86	2,770.27
23 52 33 16-0007	EA			3,750 MBH Output/3,188 MBH Input, 85% Efficient, Gas Fired, Forced Draft, Hot Water, Steel Flexible Watertube Boiler (Unilux VZ350)	61,886.88	3,078.08
23 52 33 16-0008	EA			4,300 MBH Input/3655 MBH Output, 85% Efficient, Gas Fired, Forced Draft, Hot Water, Steel Flexible Watertube Boiler (Unilux VZ400)	64,467.11	3,180.68
23 52 33 16-0009				Unilux 83% Efficient, Gas Fired, Forced Draft, Low Pressure Steam, Steel Flexible Watertube Boiler <small>(23 52 33 16)</small> Note: Compliant with BAAQMD.		
23 52 33 16-0010	EA			1,250 MBH, 31 HP, 83% Efficient, Gas Fired, Forced Draft, Low Pressure Steam, Steel Flexible Watertube Boiler (Unilux 100LS).....	52,933.24	1,846.85
23 52 33 16-0011	EA			1,750 MBH, 43.5 HP, 83% Efficient, Gas Fired, Forced Draft, Low Pressure Steam, Steel Flexible Watertube Boiler (Unilux 150LS).....	55,765.41	2,154.65
23 52 33 16-0012	EA			2,200 MBH, 54.5 HP, 83% Efficient, Gas Fired, Forced Draft, Low Pressure Steam, Steel Flexible Watertube Boiler (Unilux 200LS).....	57,442.58	2,359.87
23 52 33 16-0013	EA			2,750 MBH, 68 HP, 83% Efficient, Gas Fired, Forced Draft, Low Pressure Steam, Steel Flexible Watertube Boiler (Unilux 250LS).....	64,185.67	2,565.07
23 52 33 16-0014	EA			3,000 MBH, 74 HP, 83% Efficient, Gas Fired, Forced Draft, Low Pressure Steam, Steel Flexible Watertube Boiler (Unilux 300LS).....	66,654.16	2,770.27
23 52 33 16-0015	EA			3,750 MBH, 93 HP, 83% Efficient, Gas Fired, Forced Draft, Low Pressure Steam, Steel Flexible Watertube Boiler (Unilux 350LS).....	71,385.90	3,078.08
23 52 33 16-0016	EA			4,300 MBH, 106.5 HP, 83% Efficient, Gas Fired, Forced Draft, Low Pressure Steam, Steel Flexible Watertube Boiler (Unilux 400LS).....	75,599.91	3,283.28
23 52 33 16-0017	EA			5,400 MBH, 134 HP, 83% Efficient, Gas Fired, Forced Draft, Low Pressure Steam, Steel Flexible Watertube Boiler (Unilux 500LS).....	124,612.62	3,488.49
23 52 33 16-0018	EA			6,250 MBH, 155 HP, 83% Efficient, Gas Fired, Forced Draft, Low Pressure Steam, Steel Flexible Watertube Boiler (Unilux 600LS).....	134,839.01	3,693.69
23 52 33 16-0019	EA			7,235 MBH, 179 HP, 83% Efficient, Gas Fired, Forced Draft, Low Pressure Steam, Steel Flexible Watertube Boiler (Unilux 700LS).....	141,899.08	3,898.91
23 52 33 16-0020	EA			8,270 MBH, 205 HP, 83% Efficient, Gas Fired, Forced Draft, Low Pressure Steam, Steel Flexible Watertube Boiler (Unilux 800LS).....	145,634.31	4,104.11
23 52 33 16-0021				Unilux 81% Efficient, Gas Fired, Forced Draft, High Pressure Steam, Steel Flexible Watertube Boiler <small>(23 52 33 16)</small> Note: Compliant with BAAQMD.		
23 52 33 16-0022	EA			1,250 MBH, 31 HP, 81% Efficient, Gas Fired, Forced Draft, High Pressure Steam, Steel Flexible Watertube Boiler (Unilux 100HS)	56,890.89	1,846.85
23 52 33 16-0023	EA			1,750 MBH, 43.5 HP, 81% Efficient, Gas Fired, Forced Draft, High Pressure Steam, Steel Flexible Watertube Boiler (Unilux 150HS).....	60,515.48	2,154.65
23 52 33 16-0024	EA			2,200 MBH, 54.5 HP, 81% Efficient, Gas Fired, Forced Draft, High Pressure Steam, Steel Flexible Watertube Boiler (Unilux 200HS).....	62,825.47	2,359.87
23 52 33 16-0025	EA			2,750 MBH, 68 HP, 81% Efficient, Gas Fired, Forced Draft, High Pressure Steam, Steel Flexible Watertube Boiler (Unilux 250HS).....	69,727.05	2,565.07

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 50 Central Heating Equipment****23 52 Heating Boilers**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 52 33 16-0026 EA 3,000 MBH, 74 HP, 81% Efficient, Gas Fired, Forced Draft, High Pressure Steam, Steel Flexible Watertube Boiler (Unilux 300HS)	72,195.53	2,770.27
23 52 33 16-0027 EA 3,750 MBH, 93 HP, 81% Efficient, Gas Fired, Forced Draft, High Pressure Steam, Steel Flexible Watertube Boiler (Unilux 350HS)	76,135.97	3,078.08
23 52 33 16-0028 EA 4,300 MBH, 106.5 HP, 81% Efficient, Gas Fired, Forced Draft, High Pressure Steam, Steel Flexible Watertube Boiler (Unilux 400HS)	80,505.14	3,283.28
23 52 33 16-0029 EA 5,400 MBH, 134 HP, 81% Efficient, Gas Fired, Forced Draft, High Pressure Steam, Steel Flexible Watertube Boiler (Unilux 500HS)	129,204.21	3,488.49
23 52 33 16-0030 EA 6,250 MBH, 155 HP, 81% Efficient, Gas Fired, Forced Draft, High Pressure Steam, Steel Flexible Watertube Boiler (Unilux 600HS)	140,223.01	3,693.69
23 52 33 16-0031 EA 7,235 MBH, 179 HP, 81% Efficient, Gas Fired, Forced Draft, High Pressure Steam, Steel Flexible Watertube Boiler (Unilux 700HS)	144,749.56	3,898.91
23 52 33 16-0032 EA 8,270 MBH, 205 HP, 81% Efficient, Gas Fired, Forced Draft, High Pressure Steam, Steel Flexible Watertube Boiler (Unilux 800HS)	151,018.31	4,104.11
23 52 33 16-0033 EA 9,300 MBH, 230 HP, 81% Efficient, Gas Fired, Forced Draft, High Pressure Steam, Steel Flexible Watertube Boiler (Unilux 900HS)	167,735.89	4,309.31
23 52 33 16-0034 EA 10,330 MBH, 256 HP, 81% Efficient, Gas Fired, Forced Draft, High Pressure Steam, Steel Flexible Watertube Boiler (Unilux 1000HS)	241,212.65	4,514.52
23 52 33 16-0035 EA 12,400 MBH, 307 HP, 81% Efficient, Gas Fired, Forced Draft, High Pressure Steam, Steel Flexible Watertube Boiler (Unilux 1200HS)	253,418.42	4,719.72

23 52 36 Fire-Box Boiler (23 52)**23 52 36 00-0001****Package Oil Fired Firebox Boilers (23 52 36)**

Note: Prices are good for 15 PSI steam or 30 PSI water. Packaged type, complete with burner and all basic safety controls (low water cut-off, high/low temperature and pressure operating controls, flame failure, main and pilot gas control, etc.) Normally required (Boiler HP). boiler sizes are based on HP rating and gross output.

23 52 36 00-0002 EA 40 HP, 1,339 MBH Oil Fired Firebox Boiler, 15 PSI Steam Or 30 PSI Water	39,255.07	2,394.40
23 52 36 00-0003 EA 46 HP, 1,553 MBH Oil Fired Firebox Boiler, 15 PSI Steam Or 30 PSI Water	41,129.37	2,593.93
23 52 36 00-0004 EA 53 HP, 1,784 MBH Oil Fired Firebox Boiler, 15 PSI Steam Or 30 PSI Water	43,137.75	2,793.47
23 52 36 00-0005 EA 61 HP, 2,062 MBH Oil Fired Firebox Boiler, 15 PSI Steam Or 30 PSI Water	46,621.33	2,993.00
23 52 36 00-0006 EA 69 HP, 2,313 MBH Oil Fired Firebox Boiler, 15 PSI Steam Or 30 PSI Water	48,763.78	3,192.53
23 52 36 00-0007 EA 80 HP, 2,678 MBH Oil Fired Firebox Boiler, 15 PSI Steam Or 30 PSI Water	50,872.84	3,392.07
23 52 36 00-0008 EA 100 HP, 3,348 MBH Oil Fired Firebox Boiler, 15 PSI Steam Or 30 PSI Water	56,408.28	3,591.60
23 52 36 00-0009 EA 127 HP, 4,251 MBH Oil Fired Firebox Boiler, 15 PSI Steam Or 30 PSI Water	65,112.20	3,990.66
23 52 36 00-0010 EA 151 HP, 5,055 MBH Oil Fired Firebox Boiler, 15 PSI Steam Or 30 PSI Water	73,956.99	4,389.73
23 52 36 00-0011 EA 183 HP, 6,126 MBH Oil Fired Firebox Boiler, 15 PSI Steam Or 30 PSI Water	81,157.95	4,838.69
23 52 36 00-0012 EA 220 HP, 7,388 MBH Oil Fired Firebox Boiler, 15 PSI Steam Or 30 PSI Water	88,359.02	5,287.63
23 52 36 00-0013 EA 257 HP, 8,606 MBH Oil Fired Firebox Boiler, 15 PSI Steam Or 30 PSI Water	93,507.72	6,185.54
23 52 36 00-0014 EA 294 HP, 9,842 MBH Oil Fired Firebox Boiler, 15 PSI Steam Or 30 PSI Water	113,508.91	7,083.43
23 52 36 00-0015 EA 368 HP, 12,302 MBH Oil Fired Firebox Boiler, 15 PSI Steam Or 30 PSI Water	133,979.47	7,981.34
23 52 36 00-0016 EA 441 HP, 14,766 MBH Oil Fired Firebox Boiler, 15 PSI Steam Or 30 PSI Water	154,750.20	8,979.00
23 52 36 00-0017 EA 514 HP, 17,220 MBH Oil Fired Firebox Boiler, 15 PSI Steam Or 30 PSI Water	174,820.88	9,727.25

23 52 39 Fire-Tube Boilers (23 52)**23 52 39 13 Scotch Marine Boilers (23 52 39)****23 52 39 13-0001****15 PSI Steam Scotch Marine Boilers (23 52 39 13)**

Note: Includes all standard safety controls (low water cut-off, high/low temperature and pressure operating controls, flame failure, main and pilot gas control, etc.), setting boilers and controls. Rated by boiler horsepower and MBH output.

23 52 39 13-0002**15 PSI Gas Fired Steam Scotch Marine Boilers (23 52 39 13-0001)**

23 52 39 13-0003 EA 30 HP, 1,033 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	31,567.97	1,097.43
23 52 39 13-0004 EA 40 HP, 1,339 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	34,010.15	1,197.20
23 52 39 13-0005 EA 50 HP, 1,674 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	36,935.36	1,296.97
23 52 39 13-0006 EA 60 HP, 2,009 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	38,869.77	1,496.50
23 52 39 13-0007 EA 70 HP, 2,343 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	40,785.42	1,596.27
23 52 39 13-0008 EA 80 HP, 2,678 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	42,741.98	1,696.04
23 52 39 13-0009 EA 90 HP, 3,013 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	44,056.83	1,745.92
23 52 39 13-0010 EA 100 HP, 3,348 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	46,415.74	1,795.80
23 52 39 13-0011 EA 125 HP, 4,184 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	52,407.57	1,995.34
23 52 39 13-0012 EA 150 HP, 5,021 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	59,416.27	2,194.86
23 52 39 13-0013 EA 175 HP, 5,858 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	65,190.47	2,419.34
23 52 39 13-0014 EA 200 HP, 6,695 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	70,962.65	2,643.81
23 52 39 13-0015 EA 250 HP, 8,369 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	75,454.46	3,092.77
23 52 39 13-0016 EA 300 HP, 10,043 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	91,332.04	3,541.72



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 52 39 13-0017 EA 350 HP, 11,716 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	99,192.13	3,990.66
23 52 39 13-0018 EA 400 HP, 13,390 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	116,264.95	4,439.62
23 52 39 13-0019 EA 500 HP, 16,738 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	140,207.83	4,888.57
23 52 39 13-0020 EA 600 HP, 20,085 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	163,307.18	5,337.52
23 52 39 13-0021 EA 700 HP, 23,433 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	185,413.51	5,786.46
23 52 39 13-0022 EA 800 HP, 26,780 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	206,686.20	6,235.42
23 52 39 13-0023 EA 900 HP, 30,128 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	227,096.96	6,684.37
23 52 39 13-0024 EA 1,000 HP, 33,476 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	246,779.10	7,133.31
23 52 39 13-0025 15 PSI Oil Fired Steam Scotch Marine Boilers (23 52 39 13-0001)		
23 52 39 13-0026 EA 30 HP, 1,033 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	29,416.51	1,097.43
23 52 39 13-0027 EA 40 HP, 1,339 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	31,696.75	1,197.20
23 52 39 13-0028 EA 50 HP, 1,674 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	34,420.80	1,296.97
23 52 39 13-0029 EA 60 HP, 2,009 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	37,666.81	1,496.50
23 52 39 13-0030 EA 70 HP, 2,343 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	39,366.53	1,596.27
23 52 39 13-0031 EA 80 HP, 2,678 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	41,061.58	1,696.04
23 52 39 13-0032 EA 90 HP, 3,013 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	42,562.84	1,745.92
23 52 39 13-0033 EA 100 HP, 3,348 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	45,459.54	1,795.80
23 52 39 13-0034 EA 125 HP, 4,184 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	52,453.16	1,995.34
23 52 39 13-0035 EA 150 HP, 5,021 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	59,465.89	2,194.86
23 52 39 13-0036 EA 175 HP, 5,858 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	65,245.46	2,419.34
23 52 39 13-0037 EA 200 HP, 6,695 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	71,023.00	2,643.81
23 52 39 13-0038 EA 250 HP, 8,369 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	75,517.49	3,092.77
23 52 39 13-0039 EA 300 HP, 10,043 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	91,409.82	3,541.72
23 52 39 13-0040 EA 350 HP, 11,716 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	99,275.27	3,990.66
23 52 39 13-0041 EA 400 HP, 13,390 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	116,364.19	4,439.62
23 52 39 13-0042 EA 500 HP, 16,738 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	140,328.53	4,888.57
23 52 39 13-0043 EA 600 HP, 20,085 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	163,449.34	5,337.52
23 52 39 13-0044 EA 700 HP, 23,433 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	185,575.78	5,786.46
23 52 39 13-0045 EA 800 HP, 26,780 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	206,868.59	6,235.42
23 52 39 13-0046 EA 900 HP, 30,128 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	227,296.78	6,684.37
23 52 39 13-0047 EA 1,000 HP, 33,476 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	246,997.70	7,133.31
23 52 39 13-0048 15 PSI Gas/Oil Fired Steam Scotch Marine Boilers (23 52 39 13-0001)		
23 52 39 13-0049 EA 30 HP, 1,033 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	32,509.62	1,097.43
23 52 39 13-0050 EA 40 HP, 1,339 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	35,022.68	1,197.20
23 52 39 13-0051 EA 50 HP, 1,674 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	38,033.72	1,296.97
23 52 39 13-0052 EA 60 HP, 2,009 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	40,235.01	1,496.50
23 52 39 13-0053 EA 70 HP, 2,343 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	42,040.68	1,596.27
23 52 39 13-0054 EA 80 HP, 2,678 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	43,841.68	1,696.04
23 52 39 13-0055 EA 90 HP, 3,013 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	45,447.55	1,745.92
23 52 39 13-0056 EA 100 HP, 3,348 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	47,054.10	1,795.80
23 52 39 13-0057 EA 125 HP, 4,184 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	54,306.56	1,995.34

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 50 Central Heating Equipment****23 52 Heating Boilers**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 52 39 13-0058 EA 150 HP, 5,021 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	61,578.12	2,194.86
23 52 39 13-0059 EA 175 HP, 5,858 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	67,561.54	2,419.34
23 52 39 13-0060 EA 200 HP, 6,695 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	73,541.59	2,643.81
23 52 39 13-0061 EA 250 HP, 8,369 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	78,148.73	3,092.77
23 52 39 13-0062 EA 300 HP, 10,043 MBH 15 PSI Steam Gas/Oil Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	94,628.46	3,541.72
23 52 39 13-0063 EA 350 HP, 11,716 MBH 15 PSI Steam Gas/Oil Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	102,746.04	3,990.66
23 52 39 13-0064 EA 400 HP, 13,390 MBH 15 PSI Steam Gas/Oil Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	120,473.32	4,439.62
23 52 39 13-0065 EA 500 HP, 16,738 MBH 15 PSI Steam Gas/Oil Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	145,361.68	4,888.57
23 52 39 13-0066 EA 600 HP, 20,085 MBH 15 PSI Steam Gas/Oil Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	169,368.95	5,337.52
23 52 39 13-0067 EA 700 HP, 23,433 MBH 15 PSI Steam Gas/Oil Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	192,344.31	5,786.46
23 52 39 13-0068 EA 800 HP, 26,780 MBH 15 PSI Steam Gas/Oil Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	214,448.49	6,235.42
23 52 39 13-0069 EA 900 HP, 30,128 MBH 15 PSI Steam Gas/Oil Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	235,654.52	6,684.37
23 52 39 13-0070 EA 1,000 HP, 33,476 MBH 15 PSI Steam Gas/Oil Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	256,098.40	7,133.31
23 52 39 13-0071 150 PSI Steam Scotch Marine Boilers <small>(23 52 39 13)</small> Note: Includes all standard safety controls (low water cut-off, high/low temperature and pressure operating controls, flame failure, main and pilot gas control, etc.), setting boilers and controls. Rated by boiler horsepower and MBH output.		
23 52 39 13-0072 150 PSI Gas Fired Steam Scotch Marine Boilers <small>(23 52 39 13-0071)</small>		
23 52 39 13-0073 EA 40 HP, 1,339 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	42,776.92	1,197.20
23 52 39 13-0074 EA 50 HP, 1,674 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	46,458.51	1,296.97
23 52 39 13-0075 EA 60 HP, 2,009 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	48,734.90	1,496.50
23 52 39 13-0076 EA 70 HP, 2,343 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	51,105.18	1,596.27
23 52 39 13-0077 EA 80 HP, 2,678 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	53,529.78	1,696.04
23 52 39 13-0078 EA 90 HP, 3,013 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	55,179.91	1,745.92
23 52 39 13-0079 EA 100 HP, 3,348 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	58,186.57	1,795.80
23 52 39 13-0080 EA 125 HP, 4,184 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	65,738.10	1,995.34
23 52 39 13-0081 EA 150 HP, 5,021 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	74,605.57	2,194.86
23 52 39 13-0082 EA 175 HP, 5,858 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	81,844.25	2,419.34
23 52 39 13-0083 EA 200 HP, 6,695 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	89,080.91	2,643.81
23 52 39 13-0084 EA 250 HP, 8,369 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	94,380.06	3,092.77
23 52 39 13-0085 EA 300 HP, 10,043 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	114,483.45	3,541.72
23 52 39 13-0086 EA 350 HP, 11,716 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	124,142.50	3,990.66
23 52 39 13-0087 EA 400 HP, 13,390 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	145,821.45	4,439.62
23 52 39 13-0088 EA 500 HP, 16,738 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	176,413.51	4,888.57
23 52 39 13-0089 EA 600 HP, 20,085 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	205,885.77	5,337.52
23 52 39 13-0090 EA 700 HP, 23,433 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	234,095.44	5,786.46
23 52 39 13-0091 EA 800 HP, 26,780 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	261,209.96	6,235.42
23 52 39 13-0092 EA 900 HP, 30,128 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	287,209.09	6,684.37
23 52 39 13-0093 EA 1,000 HP, 33,476 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	312,234.17	7,133.31
23 52 39 13-0094 150 PSI Oil Fired Steam Scotch Marine Boilers <small>(23 52 39 13-0071)</small>		
23 52 39 13-0095 EA 40 HP, 1,339 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	39,768.83	1,197.20
23 52 39 13-0096 EA 50 HP, 1,674 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	43,190.25	1,296.97



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 52 39 13-0097 EA 60 HP, 2,009 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	47,169.84	1,496.50
23 52 39 13-0098 EA 70 HP, 2,343 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	49,261.17	1,596.27
23 52 39 13-0099 EA 80 HP, 2,678 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	51,346.47	1,696.04
23 52 39 13-0100 EA 90 HP, 3,013 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	53,236.66	1,745.92
23 52 39 13-0101 EA 100 HP, 3,348 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	56,942.03	1,795.80
23 52 39 13-0102 EA 125 HP, 4,184 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	65,795.77	1,995.34
23 52 39 13-0103 EA 150 HP, 5,021 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	74,671.28	2,194.86
23 52 39 13-0104 EA 175 HP, 5,858 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	81,916.67	2,419.34
23 52 39 13-0105 EA 200 HP, 6,695 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	89,160.04	2,643.81
23 52 39 13-0106 EA 250 HP, 8,369 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	94,461.87	3,092.77
23 52 39 13-0107 EA 300 HP, 10,043 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	114,584.03	3,541.72
23 52 39 13-0108 EA 350 HP, 11,716 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	124,251.13	3,990.66
23 52 39 13-0109 EA 400 HP, 13,390 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	145,950.20	4,439.62
23 52 39 13-0110 EA 500 HP, 16,738 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	176,570.42	4,888.57
23 52 39 13-0111 EA 600 HP, 20,085 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	206,070.84	5,337.52
23 52 39 13-0112 EA 700 HP, 23,433 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	234,305.99	5,786.46
23 52 39 13-0113 EA 800 HP, 26,780 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	261,446.00	6,235.42
23 52 39 13-0114 EA 900 HP, 30,128 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	287,469.26	6,684.37
23 52 39 13-0115 EA 1,000 HP, 33,476 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	312,518.48	7,133.31
23 52 39 13-0116 150 PSI Gas/Oil Fired Steam Scotch Marine Boilers <small>(23 52 39 13-0071)</small>		
23 52 39 13-0117 EA 40 HP, 1,339 MBH 150 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	44,092.54	1,197.20
23 52 39 13-0118 EA 50 HP, 1,674 MBH 150 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	47,886.78	1,296.97
23 52 39 13-0119 EA 60 HP, 2,009 MBH 150 PSI Steam Gas/Oil Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	50,509.18	1,496.50
23 52 39 13-0120 EA 70 HP, 2,343 MBH 150 PSI Steam Gas/Oil Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	52,737.30	1,596.27
23 52 39 13-0121 EA 80 HP, 2,678 MBH 150 PSI Steam Gas/Oil Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	54,959.40	1,696.04
23 52 39 13-0122 EA 90 HP, 3,013 MBH 150 PSI Steam Gas/Oil Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	56,987.72	1,745.92
23 52 39 13-0123 EA 100 HP, 3,348 MBH 150 PSI Steam Gas/Oil Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	59,015.37	1,795.80
23 52 39 13-0124 EA 125 HP, 4,184 MBH 150 PSI Steam Gas/Oil Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	68,205.72	1,995.34
23 52 39 13-0125 EA 150 HP, 5,021 MBH 150 PSI Steam Gas/Oil Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	77,416.51	2,194.86
23 52 39 13-0126 EA 175 HP, 5,858 MBH 150 PSI Steam Gas/Oil Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	84,926.10	2,419.34
23 52 39 13-0127 EA 200 HP, 6,695 MBH 150 PSI Steam Gas/Oil Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	92,435.00	2,643.81
23 52 39 13-0128 EA 250 HP, 8,369 MBH 150 PSI Steam Gas/Oil Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	97,883.01	3,092.77
23 52 39 13-0129 EA 300 HP, 10,043 MBH 150 PSI Steam Gas/Oil Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	118,768.26	3,541.72
23 52 39 13-0130 EA 350 HP, 11,716 MBH 150 PSI Steam Gas/Oil Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	128,762.59	3,990.66
23 52 39 13-0131 EA 400 HP, 13,390 MBH 150 PSI Steam Gas/Oil Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	151,291.80	4,439.62
23 52 39 13-0132 EA 500 HP, 16,738 MBH 150 PSI Steam Gas/Oil Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	183,114.98	4,888.57
23 52 39 13-0133 EA 600 HP, 20,085 MBH 150 PSI Steam Gas/Oil Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	213,766.07	5,337.52
23 52 39 13-0134 EA 700 HP, 23,433 MBH 150 PSI Steam Gas/Oil Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	243,104.95	5,786.46
23 52 39 13-0135 EA 800 HP, 26,780 MBH 150 PSI Steam Gas/Oil Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	271,300.40	6,235.42
23 52 39 13-0136 EA 900 HP, 30,128 MBH 150 PSI Steam Gas/Oil Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	298,333.51	6,684.37
23 52 39 13-0137 EA 1,000 HP, 33,476 MBH 150 PSI Steam Gas/Oil Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	324,348.32	7,133.31

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 50 Central Heating Equipment****23 52 Heating Boilers**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 52 39 13-0138 125 PSI Water Scotch Marine Boilers <small>(23 52 39 13)</small> Note: Includes all standard safety controls (low water cut-off, high/low temperature and pressure operating controls, flame failure, main and pilot gas control, etc.), setting boilers and controls. Rated by boiler horsepower and MBH output.		
23 52 39 13-0139 125 PSI Gas Fired Water Scotch Marine Boilers <small>(23 52 39 13-0138)</small>		
23 52 39 13-0140 EA 40 HP, 1,339 MBH Water Gas Fired Scotch Marine Boiler.....	37,168.44	1,197.20
Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.		
23 52 39 13-0141 EA 50 HP, 1,674 MBH Water Gas Fired Scotch Marine Boiler.....	41,621.16	1,296.97
Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.		
23 52 39 13-0142 EA 60 HP, 2,009 MBH Water Gas Fired Scotch Marine Boiler.....	44,916.79	1,496.50
Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.		
23 52 39 13-0143 EA 70 HP, 2,343 MBH Water Gas Fired Scotch Marine Boiler.....	48,259.37	1,596.27
Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.		
23 52 39 13-0144 EA 80 HP, 2,678 MBH Water Gas Fired Scotch Marine Boiler.....	51,665.65	1,696.04
Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.		
23 52 39 13-0145 EA 90 HP, 3,013 MBH Water Gas Fired Scotch Marine Boiler.....	54,318.93	1,745.92
Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.		
23 52 39 13-0146 EA 100 HP, 3,348 MBH Water Gas Fired Scotch Marine Boiler.....	58,319.34	1,795.80
Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.		
23 52 39 13-0147 EA 125 HP, 4,184 MBH Water Gas Fired Scotch Marine Boiler.....	62,700.51	1,995.34
Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.		
23 52 39 13-0148 EA 150 HP, 5,021 MBH Water Gas Fired Scotch Marine Boiler.....	68,400.30	2,194.86
Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.		
23 52 39 13-0149 EA 175 HP, 5,858 MBH Water Gas Fired Scotch Marine Boiler.....	72,923.26	2,419.34
Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.		
23 52 39 13-0150 EA 200 HP, 6,695 MBH Water Gas Fired Scotch Marine Boiler.....	75,771.84	2,643.81
Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.		
23 52 39 13-0151 EA 250 HP, 8,369 MBH Water Gas Fired Scotch Marine Boiler.....	91,518.15	3,092.77
Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.		
23 52 39 13-0152 EA 300 HP, 10,043 MBH Water Gas Fired Scotch Marine Boiler.....	106,438.19	3,541.72
Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.		
23 52 39 13-0153 EA 350 HP, 11,716 MBH Water Gas Fired Scotch Marine Boiler.....	115,076.11	3,990.66
Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.		
23 52 39 13-0154 EA 400 HP, 13,390 MBH Water Gas Fired Scotch Marine Boiler.....	128,354.96	4,439.62
Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.		
23 52 39 13-0155 EA 500 HP, 16,738 MBH Water Gas Fired Scotch Marine Boiler.....	154,552.24	4,888.57
Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.		
23 52 39 13-0156 EA 600 HP, 20,085 MBH Water Gas Fired Scotch Marine Boiler.....	180,176.88	5,337.52
Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.		
23 52 39 13-0157 EA 700 HP, 23,433 MBH Water Gas Fired Scotch Marine Boiler.....	204,701.21	5,786.46
Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.		
23 52 39 13-0158 EA 800 HP, 26,780 MBH Water Gas Fired Scotch Marine Boiler.....	228,288.64	6,235.42
Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.		
23 52 39 13-0159 EA 900 HP, 30,128 MBH Water Gas Fired Scotch Marine Boiler.....	250,913.56	6,684.37
Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.		
23 52 39 13-0160 EA 1,000 HP, 33,476 MBH Water Gas Fired Scotch Marine Boiler.....	272,714.63	7,133.31
Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.		
23 52 39 13-0161 125 PSI Oil Fired Water Scotch Marine Boilers <small>(23 52 39 13-0138)</small>		
23 52 39 13-0162 EA 40 HP, 1,339 MBH Water Oil Fired Scotch Marine Boiler.....	34,604.26	1,197.20
Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.		
23 52 39 13-0163 EA 50 HP, 1,674 MBH Water Oil Fired Scotch Marine Boiler.....	38,735.11	1,296.97
Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.		
23 52 39 13-0164 EA 60 HP, 2,009 MBH Water Oil Fired Scotch Marine Boiler.....	43,491.20	1,496.50
Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.		
23 52 39 13-0165 EA 70 HP, 2,343 MBH Water Oil Fired Scotch Marine Boiler.....	46,533.37	1,596.27
Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.		
23 52 39 13-0166 EA 80 HP, 2,678 MBH Water Oil Fired Scotch Marine Boiler.....	49,569.52	1,696.04
Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.		
23 52 39 13-0167 EA 90 HP, 3,013 MBH Water Oil Fired Scotch Marine Boiler.....	52,410.54	1,745.92
Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.		
23 52 39 13-0168 EA 100 HP, 3,348 MBH Water Oil Fired Scotch Marine Boiler.....	57,072.12	1,795.80
Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.		
23 52 39 13-0169 EA 125 HP, 4,184 MBH Water Oil Fired Scotch Marine Boiler.....	62,755.49	1,995.34
Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.		
23 52 39 13-0170 EA 150 HP, 5,021 MBH Water Oil Fired Scotch Marine Boiler.....	68,459.31	2,194.86
Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.		
23 52 39 13-0171 EA 175 HP, 5,858 MBH Water Oil Fired Scotch Marine Boiler.....	72,986.29	2,419.34
Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.		
23 52 39 13-0172 EA 200 HP, 6,695 MBH Water Oil Fired Scotch Marine Boiler.....	75,837.55	2,643.81
Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.		
23 52 39 13-0173 EA 250 HP, 8,369 MBH Water Oil Fired Scotch Marine Boiler.....	91,597.28	3,092.77
Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.		
23 52 39 13-0174 EA 300 HP, 10,043 MBH Water Oil Fired Scotch Marine Boiler.....	106,530.72	3,541.72
Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.		
23 52 39 13-0175 EA 350 HP, 11,716 MBH Water Oil Fired Scotch Marine Boiler.....	115,175.35	3,990.66
Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.		
23 52 39 13-0176 EA 400 HP, 13,390 MBH Water Oil Fired Scotch Marine Boiler.....	128,466.28	4,439.62
Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.		
23 52 39 13-0177 EA 500 HP, 16,738 MBH Water Oil Fired Scotch Marine Boiler.....	154,687.69	4,888.57
Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 52 39 13-0178 EA 600 HP, 20,085 MBH Water Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	180,336.47	5,337.52
23 52 39 13-0179 EA 700 HP, 23,433 MBH Water Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	204,883.60	5,786.46
23 52 39 13-0180 EA 800 HP, 26,780 MBH Water Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	228,492.49	6,235.42
23 52 39 13-0181 EA 900 HP, 30,128 MBH Water Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	251,137.52	6,684.37
23 52 39 13-0182 EA 1,000 HP, 33,476 MBH Water Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	272,958.71	7,133.31
23 52 39 13-0183 125 PSI Gas/Oil Fired Water Scotch Marine Boilers (23 52 39 13-0138)		
23 52 39 13-0184 EA 40 HP, 1,339 MBH Water Gas/Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	38,289.60	1,197.20
23 52 39 13-0185 EA 50 HP, 1,674 MBH Water Gas/Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	42,881.80	1,296.97
23 52 39 13-0186 EA 60 HP, 2,009 MBH Water Gas/Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	46,532.82	1,496.50
23 52 39 13-0187 EA 70 HP, 2,343 MBH Water Gas/Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	49,788.22	1,596.27
23 52 39 13-0188 EA 80 HP, 2,678 MBH Water Gas/Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	53,038.94	1,696.04
23 52 39 13-0189 EA 90 HP, 3,013 MBH Water Gas/Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	56,094.54	1,745.92
23 52 39 13-0190 EA 100 HP, 3,348 MBH Water Gas/Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	59,150.82	1,795.80
23 52 39 13-0191 EA 125 HP, 4,184 MBH Water Gas/Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	65,038.04	1,995.34
23 52 39 13-0192 EA 150 HP, 5,021 MBH Water Gas/Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	70,945.70	2,194.86
23 52 39 13-0193 EA 175 HP, 5,858 MBH Water Gas/Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	75,624.23	2,419.34
23 52 39 13-0194 EA 200 HP, 6,695 MBH Water Gas/Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	78,557.30	2,643.81
23 52 39 13-0195 EA 250 HP, 8,369 MBH Water Gas/Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	94,899.06	3,092.77
23 52 39 13-0196 EA 300 HP, 10,043 MBH Water Gas/Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	110,379.68	3,541.72
23 52 39 13-0197 EA 350 HP, 11,716 MBH Water Gas/Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	119,308.63	3,990.66
23 52 39 13-0198 EA 400 HP, 13,390 MBH Water Gas/Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	133,079.66	4,439.62
23 52 39 13-0199 EA 500 HP, 16,738 MBH Water Gas/Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	160,320.31	4,888.57
23 52 39 13-0200 EA 600 HP, 20,085 MBH Water Gas/Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	186,960.16	5,337.52
23 52 39 13-0201 EA 700 HP, 23,433 MBH Water Gas/Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	212,456.79	5,786.46
23 52 39 13-0202 EA 800 HP, 26,780 MBH Water Gas/Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	236,973.60	6,235.42
23 52 39 13-0203 EA 900 HP, 30,128 MBH Water Gas/Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	260,489.01	6,684.37
23 52 39 13-0204 EA 1,000 HP, 33,476 MBH Water Gas/Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	283,140.34	7,133.31

23 53 Heating Boiler Feedwater Equipment (23 50)

23 53 13 Boiler Feedwater Pumps (23 53)

See CSI section 23 53 16 00-0001 for boiler feedwater units.

23 53 16 Deaerators (23 53)

23 53 16 00-0001 Boiler Feed System (23 53 16)

23 53 16 00-0002 Low Pressure Boiler Feed System (23 53 16 00-0001)

Note: With deaerator includes pumps and accessories.

23 53 16 00-0003 EA 20 HP, 200 KW Boiler Feed System With Deaerator, Pumps And Accessories, Low Pressure System.....	5,561.19	1,282.96
23 53 16 00-0004 EA 34 HP, 340 KW Boiler Feed System With Deaerator, Pumps And Accessories, Low Pressure System.....	6,072.06	1,511.47
23 53 16 00-0005 EA 54 HP, 530 KW Boiler Feed System With Deaerator, Pumps And Accessories, Low Pressure System.....	6,490.35	1,564.42
23 53 16 00-0006 EA 67 HP, 660 KW Boiler Feed System With Deaerator, Pumps And Accessories, Low Pressure System.....	6,702.16	1,621.82
23 53 16 00-0007 EA 78 HP, 760 KW Boiler Feed System With Deaerator, Pumps And Accessories, Low Pressure System.....	7,101.07	1,733.29
23 53 16 00-0008 EA 104 HP, 1,020 KW Boiler Feed System With Deaerator, Pumps And Accessories, Low Pressure System.....	10,876.01	1,878.19
23 53 16 00-0009 EA 158 HP, 1,550 KW Boiler Feed System With Deaerator, Pumps And Accessories, Low Pressure System.....	12,211.33	2,006.38
23 53 16 00-0010 EA 219 HP, 2,150 KW Boiler Feed System With Deaerator, Pumps And Accessories, Low Pressure System.....	13,989.57	2,285.04
23 53 16 00-0011 EA 254 HP, 2,500 KW Boiler Feed System With Deaerator, Pumps And Accessories, Low Pressure System.....	15,362.07	2,452.25
23 53 16 00-0012 EA 305 HP, 3,000 KW Boiler Feed System With Deaerator, Pumps And Accessories, Low Pressure System.....	16,538.17	2,619.44

23 53 16 00-0013 High Pressure Boiler Feed System (23 53 16 00-0001)

Note: With deaerator includes pumps and accessories.

23 53 16 00-0014 EA 10 HP, 100 KW Boiler Feed System With Deaerator, Pumps And Accessories, High Pressure System.....	7,347.25	1,093.81
23 53 16 00-0015 EA 20 HP, 200 KW Boiler Feed System With Deaerator, Pumps And Accessories, High Pressure System.....	7,730.10	1,282.96

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 50 Central Heating Equipment****23 53 Heating Boiler Feedwater Equipment**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 53 16 00-0016 EA 34 HP, 340 KW Boiler Feed System With Deaerator, Pumps And Accessories, High Pressure System.....	8,651.79	1,511.47
23 53 16 00-0017 EA 54 HP, 530 KW Boiler Feed System With Deaerator, Pumps And Accessories, High Pressure System.....	9,312.09	1,564.42
23 53 16 00-0018 EA 67 HP, 660 KW Boiler Feed System With Deaerator, Pumps And Accessories, High Pressure System.....	9,489.39	1,621.82
23 53 16 00-0019 EA 78 HP, 760 KW Boiler Feed System With Deaerator, Pumps And Accessories, High Pressure System.....	11,338.93	1,733.29
23 53 16 00-0020 EA 104 HP, 1,020 KW Boiler Feed System With Deaerator, Pumps And Accessories, High Pressure System.....	14,548.51	1,878.19
23 53 16 00-0021 EA 158 HP, 1,550 KW Boiler Feed System With Deaerator, Pumps And Accessories, High Pressure System.....	14,971.15	2,006.38
23 53 16 00-0022 EA 183 HP, 1,800 KW Boiler Feed System With Deaerator, Pumps And Accessories, High Pressure System.....	16,430.98	2,148.61
23 53 16 00-0023 EA 219 HP, 2,150 KW Boiler Feed System With Deaerator, Pumps And Accessories, High Pressure System.....	17,665.52	2,285.04
23 53 16 00-0024 EA 254 HP, 2,500 KW Boiler Feed System With Deaerator, Pumps And Accessories, High Pressure System.....	18,898.28	2,452.25
23 53 16 00-0025 EA 305 HP, 3,000 KW Boiler Feed System With Deaerator, Pumps And Accessories, High Pressure System.....	20,383.65	2,619.44
23 53 16 00-0026 Boiler Feedwater System (23 53 16)		
Note: With deaerator includes pumps and accessories.		
23 53 16 00-0027 EA 1,380 LB/Hour Feedwater System With Deaerator, Pumps, And Accessories	9,257.88	1,511.47
23 53 16 00-0028 EA 2,600 LB/Hour Feedwater System With Deaerator, Pumps, And Accessories	11,943.57	1,731.62
23 53 16 00-0029 EA 4,300 LB/Hour Feedwater System With Deaerator, Pumps, And Accessories	15,604.42	1,981.85
23 53 16 00-0030 EA 6,900 LB/Hour Feedwater System With Deaerator, Pumps, And Accessories	18,721.34	2,286.16
23 53 16 00-0031 EA 8,500 LB/Hour Feedwater System With Deaerator, Pumps, And Accessories	19,882.13	2,452.25
23 53 16 00-0032 EA 11,000 LB/Hour Feedwater System With Deaerator, Pumps, And Accessories	20,996.30	2,619.44
23 53 16 00-0033 EA 13,800 LB/Hour Feedwater System With Deaerator, Pumps, And Accessories	23,418.13	3,009.68
23 53 16 00-0034 EA 17,250 LB/Hour Feedwater System With Deaerator, Pumps, And Accessories	30,059.58	3,455.65
23 53 16 00-0035 EA 20,700 LB/Hour Feedwater System With Deaerator, Pumps, And Accessories	38,767.28	3,992.92
23 53 16 00-0036 EA 27,600 LB/Hour Feedwater System With Deaerator, Pumps, And Accessories	48,866.48	4,583.46
23 53 16 00-0037 EA 34,500 LB/Hour Feedwater System With Deaerator, Pumps, And Accessories	62,277.36	5,273.43
23 53 16 00-0038 Duplex Vacuum Condensate Pumps (23 53 16)		
23 53 16 00-0039 EA 7 CFM, 15 GPM, 45 Gallon Duplex Vacuum Condensate Pump	17,395.97	891.73
Note: Two 3/4 HP vacuum pumps rated for 7 CFM, two 3/4 HP condensate pumps rated for 15 GPM at 20 PSI and 45 GAL cast iron receiver. Skidmore JVC-7-45-102.		
23 53 16 00-0040 EA 9 CFM, 30 GPM, 45 Gallon Duplex Vacuum Condensate Pump	17,820.82	947.46
Note: Two 1 HP vacuum pumps rated for 9 CFM, two 3/4 HP condensate pumps rated for 30 GPM at 15 PSI and 45 GAL cast iron receiver. Skidmore JVC-9-45-201.5.		
23 53 16 00-0041 EA 12 CFM, 45 GPM, 45 Gallon Duplex Vacuum Condensate Pump	18,302.66	1,003.19
Note: Two 1-1/2 HP vacuum pumps rated for 12 CFM, two 1 HP condensate pumps rated for 45 GPM at 15 PSI and 45 GAL cast iron receiver. Skidmore JVC-12-45-301.5.		
23 53 16 00-0042 EA 18 CFM, 37.5 GPM, 65 Gallon Duplex Vacuum Condensate Pump	20,066.54	1,058.93
Note: Two 2 HP vacuum pumps rated for 18 CFM, two 1 HP condensate pumps rated for 37.5 GPM at 20 PSI and 65 GAL cast iron receiver. Skidmore JVC-18-65-252.		
23 53 16 00-0043 EA 28 CFM, 60 GPM, 110 Gallon Duplex Vacuum Condensate Pump	23,824.73	1,114.66
Note: Two 3 HP vacuum pumps rated for 28 CFM, two 1-1/2 HP condensate pumps rated for 60 GPM at 20 PSI and 110 GAL cast iron receiver. Skidmore JVC-28-110-402.		
23 53 16 00-0044 EA 42 CFM, 75 GPM, 110 Gallon Duplex Vacuum Condensate Pump	25,075.79	1,170.39
Note: Two 5 HP vacuum pumps rated for 42 CFM, two 2 HP condensate pumps rated for 75 GPM at 20 PSI and 110 GAL cast iron receiver. Skidmore JVC-42-110-502.		
23 54 Furnaces (23 50)		
Note: All units based on output. See CSI section 23 84 13 00-0000 for humidifiers.		
23 54 13 Electric-Resistance Furnaces (23 54)		
23 54 13 00-0001 Down Flow Multi-Speed Air Handler/Electric Furnace (23 54 13)		
23 54 13 00-0002 EA Up To 2 Ton Down Flow Multi-Speed Air Handler/Electric Furnace.....	873.52	105.98
Note: Excludes cooling equipment.		
23 54 13 00-0003 EA >2 To 3.5 Ton Down Flow Multi-Speed Air Handler/Electric Furnace	1,143.09	132.48
Note: Excludes cooling equipment.		
23 54 13 00-0004 EA >3.5 To 5 Ton Down Flow Multi-Speed Air Handler/Electric Furnace	1,460.83	158.97
Note: Excludes cooling equipment.		
23 54 13 00-0005 Up/Horizontal Flow Multi-Speed Air Handler/Electric Furnace (23 54 13)		
23 54 13 00-0006 EA Up To 2 Ton Up/Horizontal Flow Multi-Speed Air Handler/Electric Furnace.....	873.52	105.98
Note: Excludes cooling equipment.		
23 54 13 00-0007 EA >2 To 2.5 Ton Up/Horizontal Flow Multi-Speed Air Handler/ Electric Furnace.....	1,033.90	119.23
Note: Excludes cooling equipment.		
23 54 13 00-0008 EA >2.5 To 3 Ton Up/Horizontal Flow Multi-Speed Air Handler/ Electric Furnace.....	1,133.05	132.48
Note: Excludes cooling equipment.		
23 54 13 00-0009 EA >3 To 3.5 Ton Up/Horizontal Flow Multi-Speed Air Handler/ Electric Furnace.....	1,196.08	145.73
Note: Excludes cooling equipment.		
23 54 13 00-0010 EA >3.5 To 5 Ton Up/Horizontal Flow Multi-Speed Air Handler/ Electric Furnace.....	1,460.83	158.97
Note: Excludes cooling equipment.		
23 54 13 00-0011 Heating Coil For Air Handler/Electric Furnace (23 54 13)		
23 54 13 00-0012 EA 5 KW Heating Coil For Air Handler/Electric Furnace.....	159.08	25.97
23 54 13 00-0013 EA 7 KW Heating Coil For Air Handler/Electric Furnace.....	180.51	28.57
23 54 13 00-0014 EA 10 KW Heating Coil For Air Handler/Electric Furnace.....	195.93	31.17
23 54 13 00-0015 EA 15 KW Heating Coil For Air Handler/Electric Furnace.....	256.50	33.76
23 54 13 00-0016 EA 20 KW Heating Coil For Air Handler/Electric Furnace.....	276.91	36.36



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 54 16				Fuel-Fired Furnaces (23 54)		
23 54 16 13				Gas-Fired Furnaces (23 54 16)		
23 54 16 13-0001				Natural Gas Fired Forced Air Furnaces (23 54 16 13) Note: Excludes flue, condenser, evaporator coil, piping, thermostat, ductwork and electrical connections.		
23 54 16 13-0002				Up/Horizontal Flow Multi-Speed, Two Stage 96% AFUE Gas Furnace (23 54 16 13-0001)		
23 54 16 13-0003	EA			40 MBH, 800 CFM Up/Horizontal Flow Multi-Speed, Two Stage 96% AFUE Gas Furnace 1,266.14 Note: Blower cooling capacity up to 3 tons.	92.74	
23 54 16 13-0004	EA			60 MBH, 1,200 CFM Up/Horizontal Flow Multi-Speed, Two Stage 96% AFUE Gas Furnace 1,359.27 Note: Blower cooling capacity up to 3 tons.	105.98	
23 54 16 13-0005	EA			80 MBH, 1,200 CFM Up/Horizontal Flow Multi-Speed, Two Stage 95% AFUE Gas Furnace 1,563.80 Note: Blower cooling capacity up to 4 tons.	119.23	
23 54 16 13-0006	EA			100 MBH, 1,600 CFM Up/Horizontal Flow Multi-Speed, Two Stage 96% AFUE Gas Furnace..... 1,837.38 Note: Blower cooling capacity up to 5 tons.	145.73	
23 54 16 13-0007	EA			120 MBH, 2,000 CFM Up/Horizontal Flow Multi-Speed, Two Stage 96% AFUE Gas Furnace..... 1,965.64 Note: Blower cooling capacity up to 5 tons.	158.97	
23 54 16 13-0008				Up/Horizontal Flow Variable Speed, Two Stage 95% AFUE Gas Furnace (23 54 16 13-0001)		
23 54 16 13-0009	EA			40 MBH, 1,200 CFM Up/Horizontal Flow Variable Speed, Two Stage 96% AFUE Gas Furnace 1,394.59 Note: Blower cooling capacity up to 3 tons.	92.74	
23 54 16 13-0010	EA			60 MBH, 1,200 CFM Up/Horizontal Flow Variable Speed, Two Stage 96% AFUE Gas Furnace 1,533.89 Note: Blower cooling capacity up to 3 tons.	105.98	
23 54 16 13-0011	EA			80 MBH, 1,200 CFM Up/Horizontal Flow Variable Speed, Two Stage 96% AFUE Gas Furnace 1,636.83 Note: Blower cooling capacity up to 3 tons.	119.23	
23 54 16 13-0012	EA			80 MBH, 1,600 CFM Up/Horizontal Flow Variable Speed, Two Stage 96% AFUE Gas Furnace 1,779.37 Note: Blower cooling capacity up to 3.5 tons.	132.48	
23 54 16 13-0013	EA			100 MBH, 2,000 CFM Up/Horizontal Flow Variable Speed, Two Stage 96% AFUE Gas Furnace 1,938.74 Note: Blower cooling capacity up to 5 tons.	145.73	
23 54 16 13-0014	EA			120 MBH, 2,000 CFM Up/Horizontal Flow Variable Speed, Two Stage 96% AFUE Gas Furnace 2,051.95 Note: Blower cooling capacity up to 5 tons.	158.97	
23 54 16 13-0015				Down Flow Multi-Speed, Two Stage 95% AFUE Gas Furnace (23 54 16 13-0001)		
23 54 16 13-0016	EA			45 MBH, 1,600 CFM Down Flow Multi-Speed, Two Stage 95% AFUE Gas Furnace 1,244.01 Note: Blower cooling capacity up to 4 tons.	92.74	
23 54 16 13-0017	EA			70 MBH, 1,600 CFM Down Flow Multi-Speed, Two Stage 95% AFUE Gas Furnace 1,427.47 Note: Blower cooling capacity up to 4 tons.	105.98	
23 54 16 13-0018	EA			90 MBH, 1,600 CFM Down Flow Multi-Speed, Two Stage 95% AFUE Gas Furnace 1,573.59 Note: Blower cooling capacity up to 4 tons.	132.48	
23 54 16 13-0019	EA			90 MBH, 2,000 CFM Down Flow Multi-Speed, Two Stage 95% AFUE Gas Furnace 1,686.80 Note: Blower cooling capacity up to 5 tons.	145.73	
23 54 16 13-0020				Down Flow Variable Speed, Two Stage 93% AFUE Gas Furnace (23 54 16 13-0001)		
23 54 16 13-0021	EA			40 MBH, 1,200 CFM Down Flow Variable Speed, Two Stage 96% AFUE Gas Furnace..... 1,591.30 Note: Blower cooling capacity up to 4 tons.	92.74	
23 54 16 13-0022	EA			60 MBH, 1,200 CFM Down Flow Variable Speed, Two Stage 96% AFUE Gas Furnace..... 1,688.45 Note: Blower cooling capacity up to 3 tons.	105.98	
23 54 16 13-0023	EA			80 MBH, 1,600 CFM Down Flow Variable Speed, Two Stage 96% AFUE Gas Furnace..... 1,881.94 Note: Blower cooling capacity up to 4 tons.	119.23	
23 54 16 13-0024	EA			100 MBH, 2,000 CFM Down Flow Variable Speed, Two Stage 96% AFUE Gas Furnace..... 2,078.24 Note: Blower cooling capacity up to 4 tons.	145.73	
23 54 16 13-0025	EA			120 MBH, 2,000 CFM Down Flow Variable Speed, Two Stage 93% AFUE Gas Furnace..... 2,231.59 Note: Blower cooling capacity up to 5 tons.	158.97	
23 54 16 13-0026				Up/Horizontal Flow Multi-Speed, One Stage 96% AFUE Gas Furnace (23 54 16 13-0001)		
23 54 16 13-0027	EA			40 MBH, 800 CFM Up/Horizontal Flow Multi-Speed, One Stage 96% AFUE Gas Furnace 1,143.69 Note: Blower cooling capacity up to 3 tons.	92.74	
23 54 16 13-0028	EA			60 MBH, 1,200 CFM Up/Horizontal Flow Multi-Speed, One Stage 96% AFUE Gas Furnace 1,217.76 Note: Blower cooling capacity up to 3 tons.	105.98	
23 54 16 13-0029	EA			80 MBH, 1,200 CFM Up/Horizontal Flow Multi-Speed, One Stage 96% AFUE Gas Furnace 1,360.07 Note: Blower cooling capacity up to 3 tons.	119.23	
23 54 16 13-0030	EA			80 MBH, 1,600 CFM Up/Horizontal Flow Multi-Speed, One Stage 96% AFUE Gas Furnace 1,370.10 Note: Blower cooling capacity up to 4 tons.	119.23	
23 54 16 13-0031	EA			80 MBH, 2,000 CFM Up/Horizontal Flow Multi-Speed, One Stage 96% AFUE Gas Furnace 1,498.36 Note: Blower cooling capacity up to 5 tons.	132.48	
23 54 16 13-0032	EA			100 MBH, 2,000 CFM Up/Horizontal Flow Multi-Speed, One Stage 96% AFUE Gas Furnace..... 1,588.49 Note: Blower cooling capacity up to 5 tons.	145.73	
23 54 16 13-0033	EA			120 MBH, 2,000 CFM Up/Horizontal Flow Multi-Speed, One Stage 96% AFUE Gas Furnace..... 1,690.65 Note: Blower cooling capacity up to 5 tons.	158.97	
23 54 16 13-0034				Up/Horizontal Flow Multi-Speed, One Stage 80% AFUE Gas Furnace (23 54 16 13-0001)		
23 54 16 13-0035	EA			40 MBH, 1,200 CFM Up/Horizontal Flow Multi-Speed, One Stage 80% AFUE Gas Furnace 835.59 Note: Blower cooling capacity up to 3 tons.	92.74	
23 54 16 13-0036	EA			60 MBH, 1,200 CFM Up/Horizontal Flow Multi-Speed, One Stage 80% AFUE Gas Furnace 920.69 Note: Blower cooling capacity up to 3 tons.	105.98	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 50 Central Heating Equipment****23 54 Furnaces**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 54 16 13-0037 EA 60 MBH, 1,600 CFM Up/Horizontal Flow Multi-Speed, One Stage 80% AFUE Gas Furnace.....	1,049.96	119.23
Note: Blower cooling capacity up to 4 tons.		
23 54 16 13-0038 EA 80 MBH, 1,600 CFM Up/Horizontal Flow Multi-Speed, One Stage 80% AFUE Gas Furnace.....	1,050.96	119.23
Note: Blower cooling capacity up to 4 tons.		
23 54 16 13-0039 EA 80 MBH, 2,000 CFM Up/Horizontal Flow Multi-Speed, One Stage 80% AFUE Gas Furnace.....	1,156.14	132.48
Note: Blower cooling capacity up to 5 tons.		
23 54 16 13-0040 EA 100 MBH, 2,000 CFM Up/Horizontal Flow Multi-Speed, One Stage 80% AFUE Gas Furnace.....	1,201.10	145.73
Note: Blower cooling capacity up to 5 tons.		
23 54 16 13-0041 EA 120 MBH, 2,000 CFM Up/Horizontal Flow Multi-Speed, One Stage 80% AFUE Gas Furnace.....	1,330.36	158.97
Note: Blower cooling capacity up to 5 tons.		
23 54 16 13-0042 Down Flow Multi-Speed, One Stage 80% AFUE Gas Furnace (23 54 16 13-0001)		
23 54 16 13-0043 EA 40 MBH, 1,200 CFM Down Flow Multi-Speed, One Stage 80% AFUE Gas Furnace	845.62	92.74
Note: Blower cooling capacity up to 3 tons.		
23 54 16 13-0044 EA 60 MBH, 1,200 CFM Down Flow Multi-Speed, One Stage 80% AFUE Gas Furnace	923.70	105.98
Note: Blower cooling capacity up to 3 tons.		
23 54 16 13-0045 EA 80 MBH, 1,600 CFM Down Flow Multi-Speed, One Stage 80% AFUE Gas Furnace	1,095.12	119.23
Note: Blower cooling capacity up to 4 tons.		
23 54 16 13-0046 EA 100 MBH, 2,000 CFM Down Flow Multi-Speed, One Stage 80% AFUE Gas Furnace	1,207.32	132.48
Note: Blower cooling capacity up to 5 tons.		
23 54 16 13-0047 75% AFUE Gas Wall/Recessed Furnace (23 54 16 13-0001)		
23 54 16 13-0048 EA 35 MBH 75% AFUE Electronic Ignition Gas Wall/Recessed Furnace.....	1,322.49	79.49
23 54 16 13-0049 EA 55 MBH 75% AFUE Electronic Ignition Gas Wall/Recessed Furnace.....	1,537.47	99.41
23 54 16 13-0050 EA 35 MBH 75% AFUE Gas Wall/Recessed Furnace.....	1,207.08	79.49
23 54 16 13-0051 EA 40 MBH 75% AFUE Gas Wall/Recessed Furnace.....	1,291.79	86.16
23 54 16 13-0052 EA 50 MBH 75% AFUE Gas Wall/Recessed Furnace.....	1,291.18	92.74
23 54 16 13-0053 EA 65 MBH 75% AFUE Gas Wall/Recessed Furnace.....	1,335.80	99.41
23 54 16 13-0054 EA 75 MBH 75% AFUE Gas Wall/Recessed Furnace.....	1,378.02	99.41
23 54 16 13-0055 Gas Fired Indoor Duct Furnace (23 54 16 13-0001)		
Note: Includes burner, controls and electronic ignition.		
23 54 16 13-0056 Aluminized Steel Heat Exchanger Gas Fired Indoor Duct Furnace (23 54 16 13-0005)		
23 54 16 13-0057 EA 100 MBH, Aluminized Steel Heat Exchanger Gas Fired Indoor Duct Furnace	1,484.50	206.67
23 54 16 13-0058 EA 150 MBH, Aluminized Steel Heat Exchanger Gas Fired Indoor Duct Furnace	1,669.99	254.36
23 54 16 13-0059 EA 200 MBH, Aluminized Steel Heat Exchanger Gas Fired Indoor Duct Furnace	1,947.76	365.63
23 54 16 13-0060 EA 250 MBH, Aluminized Steel Heat Exchanger Gas Fired Indoor Duct Furnace	2,197.51	413.32
23 54 16 13-0061 EA 300 MBH, Aluminized Steel Heat Exchanger Gas Fired Indoor Duct Furnace	2,558.05	476.91
23 54 16 13-0062 EA 350 MBH, Aluminized Steel Heat Exchanger Gas Fired Indoor Duct Furnace	2,843.73	572.29
23 54 16 13-0063 EA 400 MBH, Aluminized Steel Heat Exchanger Gas Fired Indoor Duct Furnace	3,318.70	763.06
23 54 16 13-0064 Stainless Steel Heat Exchanger Gas Fired Indoor Duct Furnace (23 54 16 13-0005)		
Note: Includes burner, controls and electronic ignition.		
23 54 16 13-0065 EA 100 MBH, Stainless Steel Heat Exchanger Gas Fired Indoor Duct Furnace	1,645.88	206.67
23 54 16 13-0066 EA 150 MBH, Stainless Steel Heat Exchanger Gas Fired Indoor Duct Furnace	1,828.96	254.36
23 54 16 13-0067 EA 200 MBH, Stainless Steel Heat Exchanger Gas Fired Indoor Duct Furnace	2,166.14	365.63
23 54 16 13-0068 EA 250 MBH, Stainless Steel Heat Exchanger Gas Fired Indoor Duct Furnace	2,455.24	413.32
23 54 16 13-0069 EA 300 MBH, Stainless Steel Heat Exchanger Gas Fired Indoor Duct Furnace	3,002.85	476.91
23 54 16 13-0070 EA 350 MBH, Stainless Steel Heat Exchanger Gas Fired Indoor Duct Furnace	3,326.26	572.29
23 54 16 13-0071 EA 400 MBH, Stainless Steel Heat Exchanger Gas Fired Indoor Duct Furnace	3,774.74	763.06
23 54 16 16 Oil-Fired Furnaces (23 54 16)		
23 54 16 16-0001 Oil Fired Forced Air Furnaces (23 54 16 16)		
Note: Excludes flue, condenser, evaporator coil, piping, thermostat, ductwork and electrical connections.		
23 54 16 16-0002 Up Flow Single Speed, One Stage 81% AFUE Oil Furnace (23 54 16 16-0001)		
23 54 16 16-0003 EA 72 MBH, 1,220 CFM Up Flow Single Speed, One Stage 84% AFUE Oil Furnace.....	2,101.93	105.98
Note: Blower cooling capacity up to 3 tons.		
23 54 16 16-0004 EA 95 MBH, 1,590 CFM Up Flow Single Speed, One Stage 83% AFUE Oil Furnace.....	2,282.98	145.73
Note: Blower cooling capacity up to 4 tons.		
23 54 16 16-0005 EA 126 MBH, 1,835 CFM Up Flow Single Speed, One Stage 83% AFUE Oil Furnace.....	2,640.86	172.21
Note: Blower cooling capacity up to 5 tons.		
23 54 16 16-0006 Down/Horizontal Flow Single Speed, One Stage 81% AFUE Oil Furnace (23 54 16 16-0001)		
23 54 16 16-0007 EA 95 MBH, 1,210 CFM Down/Horizontal Flow Single Speed, One Stage 83% AFUE Oil Furnace	2,469.65	145.73
Note: Blower cooling capacity up to 3 tons.		
23 54 16 16-0008 EA 126 MBH, 2,005 CFM Down/Horizontal Flow Single Speed, One Stage 84% AFUE Oil Furnace	2,527.46	172.21
Note: Blower cooling capacity up to 5 tons.		
23 54 16 16-0009 Up Flow Lowboy Single Speed, One Stage 81% AFUE Oil Furnace (23 54 16 16-0001)		
23 54 16 16-0010 EA 95 MBH, 1,550 CFM Up Flow Lowboy Single Speed, One Stage 83% AFUE Oil Furnace	2,164.55	145.73
Note: Blower cooling capacity up to 4 tons.		



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	23 54 16 16-0011	EA		127 MBH, 2,130 CFM Up Flow Lowboy Single Speed, One Stage 83% AFUE Oil Furnace Note: Blower cooling capacity up to 5 tons.	2,568.60	172.21
23 54 19 Furnace Accessories (23 54)						
	23 54 19 00-0001	EA		LP Gas Furnace Conversion Kit 151.13		26.50
	23 54 19 00-0002	EA		1" Furnace External Filter Rack 43.55		
	23 54 19 00-0003	EA		Removal And Reinstallation Of Forced Air Furnace 490.65 Note: Includes storage and cleaning. Excludes ductwork.		
23 55 Fuel-Fired Heaters (23 50)						
23 55 23 Gas-Fired Radiant Heaters (23 55)						
23 55 23 13 Low-Intensity Gas-Fired Radiant Heaters (23 55 23)						
	23 55 23 13-0001			Infrared Heaters-Radiant Energy (23 55 23 13) Note: For spot localized or total heating, ceiling hung units, no fan required.		
	23 55 23 13-0002			Gas Fired Electric Ignition Infrared Gas Heater (23 55 23 13-0001) Note: Ceramic combustion, surface chromized wire screen aluminized steel housing and polished aluminum reflector.		
	23 55 23 13-0003	EA		15,000 BTU Infrared Gas Heater, Electric Ignition, Ceiling Hung Unit Without Fan 822.41		111.46
	23 55 23 13-0004	EA		37,500 BTU Infrared Gas Heater, Electric Ignition, Ceiling Hung Unit Without Fan 916.44		122.61
	23 55 23 13-0005	EA		50,000 BTU Infrared Gas Heater, Electric Ignition, Ceiling Hung Unit Without Fan 975.41		122.61
	23 55 23 13-0006	EA		75,000 BTU Infrared Gas Heater, Electric Ignition, Ceiling Hung Unit Without Fan 1,219.62		147.14
	23 55 23 13-0007	EA		100,000 BTU Infrared Gas Heater, Electric Ignition, Ceiling Hung Unit Without Fan 1,229.56		147.14
	23 55 23 13-0008			Rolled Steel Or Aluminum Housing Infrared Electric Heater (23 55 23 13-0001) Note: Anodized aluminum reflector and quartz/tungsten tubular element with an inner heavy-duty coiled element.		
	23 55 23 13-0009	EA		1,000 Watt Infrared Elect Heater, Ceiling Hung Unit, No Fan Required 915.99 <i>For Stainless Steel Housing, Add</i> 140.68		116.58
	23 55 23 13-0010	EA		3,200 Watt Infrared Elect Heater, Ceiling Hung Unit, No Fan Required 976.59 <i>For Stainless Steel Housing, Add</i> 155.83		116.58
	23 55 23 13-0011	EA		5,000 Watt Infrared Elect Heater, Ceiling Hung Unit, No Fan Required 1,045.85 <i>For Stainless Steel Housing, Add</i> 173.15		116.58
	23 55 23 13-0012	EA		7,300 Watt Infrared Elect Heater, Ceiling Hung Unit, No Fan Required 1,129.11 <i>For Stainless Steel Housing, Add</i> 193.96		116.58
	23 55 23 13-0013	EA		10,950 Watt Infrared Elect Heater, Ceiling Hung Unit, No Fan Required 1,230.17 <i>For Stainless Steel Housing, Add</i> 216.13		127.18
	23 55 23 13-0014	EA		13,500 Watt Infrared Elect Heater, Ceiling Hung Unit, No Fan Required 1,312.91 <i>For Stainless Steel Housing, Add</i> 232.76		137.77
	23 55 23 13-0015	EA		24,000 Watt Infrared Elect Heater, Ceiling Hung Unit, No Fan Required 2,086.87 <i>For Stainless Steel Housing, Add</i> 415.64		148.37
	23 55 23 13-0016			Gas Fired Tubular Infrared Heater (23 55 23 13-0001) Note: Includes controls and supports.		
	23 55 23 13-0017			"U" Package (23 55 23 13-0016)		
	23 55 23 13-0018	LF		Up To 75 MBH Input Radiant Heater 59.93		5.57
	23 55 23 13-0019	LF		76 To 105 MBH Input Radiant Heater 69.44		6.68
	23 55 23 13-0020	LF		106 To 130 MBH Input Radiant Heater 84.02		7.80
	23 55 23 13-0021			"S" Straight Package (23 55 23 13-0016)		
	23 55 23 13-0022	LF		Up To 75 MBH Input Radiant Heater 49.06		4.46
	23 55 23 13-0023	LF		76 To 105 MBH Input Radiant Heater 61.78		5.57
	23 55 23 13-0024	LF		106 To 130 MBH Input Radiant Heater 74.50		6.68
23 55 33 Fuel-Fired Unit Heaters (23 55)						
23 55 33 00-0001 Gas Fired Unit Heaters (23 55 33)						
23 55 33 00-0002 Horizontal Fan Propelled Gas Fired Unit Heaters, 115 Volt (23 55 33 00-0001)						
	23 55 33 00-0003	EA		24.3 MBH Output, 30 MBH Input, 500 CFM Gas Fired Unit Heater Fan Propelled, Horizontal, 115 Volt 1,325.82		192.38
	23 55 33 00-0004	EA		36.5 MBH Output, 45 MBH Input, 750 CFM Gas Fired Unit Heater Fan Propelled, Horizontal, 115 Volt 1,467.43		230.86
	23 55 33 00-0005	EA		48.6 MBH Output, 60 MBH Input, 1,000 CFM Gas Fired Unit Heater Fan Propelled, Horizontal, 115 Volt 1,487.14		230.86
	23 55 33 00-0006	EA		60.8 MBH Output, 75 MBH Input, 1,250 CFM Gas Fired Unit Heater Fan Propelled, Horizontal, 115 Volt 1,638.27		269.33
	23 55 33 00-0007	EA		72.9 MBH Output, 90 MBH Input, 1,400 CFM Gas Fired Unit Heater Fan Propelled, Horizontal, 115 Volt 1,811.42		307.81
	23 55 33 00-0008	EA		81 MBH Output, 100 MBH Input, 1,600 CFM Gas Fired Unit Heater Fan Propelled, Horizontal, 115 Volt 1,941.38		327.05
	23 55 33 00-0009	EA		101.3 MBH Output, 125 MBH Input, 2,200 CFM Gas Fired Unit Heater Fan Propelled, Horizontal, 115 Volt 1,991.09		327.05
	23 55 33 00-0010	EA		121.5 MBH Output, 150 MBH Input, 2,400 CFM Gas Fired Unit Heater Fan Propelled, Horizontal, 115 Volt 1,948.49		327.05
	23 55 33 00-0011	EA		141.8 MBH Output, 175 MBH Input, 2,850 CFM Gas Fired Unit Heater Fan Propelled, Horizontal, 115 Volt 2,282.78		346.28
	23 55 33 00-0012	EA		162 MBH Output, 200 MBH Input, 3,200 CFM Gas Fired Unit Heater Fan Propelled, Horizontal, 115 Volt 2,476.83		346.28
	23 55 33 00-0013	EA		202.5 MBH Output, 250 MBH Input, 3,450 CFM Gas Fired Unit Heater Fan Propelled, Horizontal, 115 Volt 2,637.75		346.28
	23 55 33 00-0014	EA		243 MBH Output, 300 MBH Input, 5,000 CFM Gas Fired Unit Heater Fan Propelled, Horizontal, 115 Volt 3,129.76		384.76
	23 55 33 00-0015	EA		283.5 MBH Output, 350 MBH Input, 5,600 CFM Gas Fired Unit Heater Fan Propelled, Horizontal, 115 Volt 3,494.20		384.76
	23 55 33 00-0016	EA		324 MBH Output, 400 MBH Input, 5,800 CFM Gas Fired Unit Heater Fan Propelled, Horizontal, 115 Volt 3,757.23		423.24

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 50 Central Heating Equipment****23 55 Fuel-Fired Heaters**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
23 55 33 00-0017		Oil Fired Unit Heater ^(23 55 33)			
23 55 33 00-0018		Horizontal Fan Propelled Oil Fired Unit Heater, 115 Volt ^(23 55 33 00-0017)			
23 55 33 00-0019	EA	97 MBH Output, 2,000 CFM Oil Fired Unit Heater Fan Propelled, Horizontal, 115 Volt.....	5,097.94		513.01
23 55 33 00-0020	EA	142 MBH Output, 3,200 CFM Oil Fired Unit Heater Fan Propelled, Horizontal, 115 Volt.....	5,479.66		564.31
23 55 33 00-0021	EA	188 MBH Output, 3,200 CFM Oil Fired Unit Heater Fan Propelled, Horizontal, 115 Volt.....	5,893.39		615.61
23 55 33 00-0022		Removal And Reinstallation Of Unit Heaters ^(23 55 33)			
Note: Includes disconnection/reconnection of power and piping, storage, cleaning and reinstallation. Excludes removal and reinstallation of equipment supports.					
23 55 33 00-0023	EA	Removal And Reinstallation Of Up To 101.3 MBH Output Gas or Oil Unit Heater.....	640.93		
23 55 33 00-0024	EA	Removal And Reinstallation Of >101.3 MBH Output Gas or Oil Unit Heater	863.86		
23 57		Heat Exchangers for HVAC ^(23 50)			
23 57 13		Steam-To-Steam Heat Exchangers ^(23 57)			
23 57 13 00-0001		Steam Generator Heat Exchanger ^(23 57 13)			
Note: 35 PSI generated steam using 180 degree feed water; 400 degree F water to valve.					
23 57 13 00-0002	EA	75 LB/Hour Steam Generator Heat Exchanger, 35 PSI.....	12,561.87		1,783.45
23 57 13 00-0003	EA	300 LB/Hour Steam Generator Heat Exchanger, 35 PSI.....	16,490.53		1,894.91
23 57 13 00-0004	EA	525 LB/Hour Steam Generator Heat Exchanger, 35 PSI.....	21,882.00		2,247.51
23 57 16		Steam-To-Water Heat Exchangers ^(23 57)			
23 57 16 00-0001		Heat Exchanger, Hot Water 40 To 180 Degree By Steam 10 PSI ^(23 57 16)			
Note: Cast iron head steel shell 4 pass 3/4" outside diameter copper tubes. Excludes controls expansion tank and accessories.					
23 57 16 00-0002	EA	8 GPM Heat Exchanger By Steam At 10 PSI, 40-180 Degree, 4 Pass 3/4" Outside Diameter Copper Tube.....	1,443.08		278.66
		<i>For Bronze Head And Tube Sheet, Add</i>	482.18		
		<i>For Copper Nickel Tubes, Add</i>	107.15		
		<i>For Double Wall Tube Bundles, Add</i>	160.73		
23 57 16 00-0003	EA	10 GPM Heat Exchanger By Steam At 10 PSI, 40-180 Degree, 4 Pass 3/4" Outside Diameter Copper Tube.....	2,068.45		278.66
		<i>For Bronze Head And Tube Sheet, Add</i>	730.17		
		<i>For Copper Nickel Tubes, Add</i>	162.26		
		<i>For Double Wall Tube Bundles, Add</i>	243.39		
23 57 16 00-0004	EA	40 GPM Heat Exchanger By Steam At 10 PSI, 40-180 Degree, 4 Pass 3/4" Outside Diameter Copper Tube.....	3,067.74		390.13
		<i>For Bronze Head And Tube Sheet, Add</i>	1,129.69		
		<i>For Copper Nickel Tubes, Add</i>	251.04		
		<i>For Double Wall Tube Bundles, Add</i>	376.56		
23 57 16 00-0005	EA	64 GPM Heat Exchanger By Steam At 10 PSI, 40-180 Degree, 4 Pass 3/4" Outside Diameter Copper Tube.....	4,941.52		390.13
		<i>For Bronze Head And Tube Sheet, Add</i>	1,722.09		
		<i>For Copper Nickel Tubes, Add</i>	382.69		
		<i>For Double Wall Tube Bundles, Add</i>	574.03		
23 57 16 00-0006	EA	96 GPM Heat Exchanger By Steam At 10 PSI, 40-180 Degree, 4 Pass 3/4" Outside Diameter Copper Tube.....	6,475.39		459.24
		<i>For Bronze Head And Tube Sheet, Add</i>	2,286.93		
		<i>For Copper Nickel Tubes, Add</i>	508.21		
		<i>For Double Wall Tube Bundles, Add</i>	762.31		
23 57 16 00-0007	EA	120 GPM Heat Exchanger By Steam At 10 PSI, 40-180 Degree, 4 Pass 3/4" Outside Diameter Copper Tube.....	8,443.10		557.18
		<i>For Bronze Head And Tube Sheet, Add</i>	3,003.32		
		<i>For Copper Nickel Tubes, Add</i>	667.40		
		<i>For Double Wall Tube Bundles, Add</i>	1,001.11		
23 57 16 00-0008	EA	168 GPM Heat Exchanger By Steam At 10 PSI, 40-180 Degree, 4 Pass 3/4" Outside Diameter Copper Tube.....	10,473.96		836.28
		<i>For Bronze Head And Tube Sheet, Add</i>	3,678.38		
		<i>For Copper Nickel Tubes, Add</i>	817.42		
		<i>For Double Wall Tube Bundles, Add</i>	1,226.13		
23 57 16 00-0009	EA	240 GPM Heat Exchanger By Steam At 10 PSI, 40-180 Degree, 4 Pass 3/4" Outside Diameter Copper Tube.....	15,610.52		836.28
		<i>For Bronze Head And Tube Sheet, Add</i>	5,731.11		
		<i>For Copper Nickel Tubes, Add</i>	1,273.58		
		<i>For Double Wall Tube Bundles, Add</i>	1,910.37		
23 57 19		Liquid-To-Liquid Heat Exchangers ^(23 57)			
23 57 19 13		Plate-Type, Liquid-To-Liquid Heat Exchangers ^(23 57 19)			
23 57 19 13-0001		Plate And Frame Heat Exchanger ^(23 57 19 13)			
23 57 19 13-0002	EA	8" W x 18-7/8"H Plate And Frame Heat Exchanger.....	2,262.93		278.66
23 57 19 13-0003	EA	8" W x 24-9/16"H Plate And Frame Heat Exchanger.....	2,928.53		278.66
23 57 19 13-0004	EA	11-3/16" W x 34-11/16"H Plate And Frame Heat Exchanger.....	3,871.96		334.39
23 57 19 13-0005	EA	16-3/4" W x 46-1/4"H Plate And Frame Heat Exchanger.....	5,175.77		362.27
23 57 19 13-0006	EA	16-1/2" W x 49-5/8"H Plate And Frame Heat Exchanger.....	5,633.38		362.27
23 57 19 13-0007	EA	24" W x 57-11/16"H Plate And Frame Heat Exchanger.....	7,269.99		390.13
23 57 19 13-0008	EA	26-5/16" W x 56-5/8"H Plate And Frame Heat Exchanger.....	7,644.40		390.13
23 57 19 13-0009	EA	24-1/4" W x 68-3/8"H Plate And Frame Heat Exchanger.....	9,419.77		445.86
23 57 19 13-0010	EA	24" W x 69-11/16"H Plate And Frame Heat Exchanger.....	11,486.36		501.59
23 57 19 13-0011	EA	26-5/16" W x 68-3/4"H Plate And Frame Heat Exchanger.....	11,902.37		501.59
23 57 19 13-0012	EA	24" W x 89-13/16"H Plate And Frame Heat Exchanger.....	14,669.96		564.49
23 57 19 13-0013	EA	26-5/16" W x 88-9/16"H Plate And Frame Heat Exchanger.....	17,655.21		620.84
23 57 19 13-0014	EA	40-13/16" W x 89-1/4"H Plate And Frame Heat Exchanger.....	20,349.13		677.18



Heating, Ventilating, And Air-Conditioning (HVAC)	23
Central Heating Equipment	23 50
Heat Exchangers for HVAC	23 57

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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23 57 19 19 Water-To-Water Heat Exchanger (23 57 19)

23 57 19 19-0001	Heat Exchanger Hot Water 40-140 Degree By Water At 200 Degree F (23 57 19) <small>Note: Cast iron head steel shell 4 pass 3/4" outside diameter copper tubes.</small>		
23 57 19 19-0002	EA 7 GPM Heat Exchanger By 200 Degree Water, 40-140 Degree, 4 Pass 3/4" Outside Diameter Copper Tube <i>For Copper Nickel Tubes, Add</i> <i>For Double Wall Tube Bundles, Add</i>	1,688.00 131.64 197.47	278.66
23 57 19 19-0003	EA 16 GPM Heat Exchanger By 200 Degree Water, 40-140 Degree, 4 Pass 3/4" Outside Diameter Copper Tube <i>For Copper Nickel Tubes, Add</i> <i>For Double Wall Tube Bundles, Add</i>	2,313.37 186.75 280.13	278.66
23 57 19 19-0004	EA 34 GPM Heat Exchanger By 200 Degree Water, 40-140 Degree, 4 Pass 3/4" Outside Diameter Copper Tube <i>For Copper Nickel Tubes, Add</i> <i>For Double Wall Tube Bundles, Add</i>	3,404.50 284.72 427.08	390.13
23 57 19 19-0005	EA 55 GPM Heat Exchanger By 200 Degree Water, 40-140 Degree, 4 Pass 3/4" Outside Diameter Copper Tube <i>For Copper Nickel Tubes, Add</i> <i>For Double Wall Tube Bundles, Add</i>	4,845.49 410.24 615.36	390.13
23 57 19 19-0006	EA 74 GPM Heat Exchanger By 200 Degree Water, 40-140 Degree, 4 Pass 3/4" Outside Diameter Copper Tube <i>For Copper Nickel Tubes, Add</i> <i>For Double Wall Tube Bundles, Add</i>	6,020.72 505.15 757.72	445.86
23 57 19 19-0007	EA 86 GPM Heat Exchanger By 200 Degree Water, 40-140 Degree, 4 Pass 3/4" Outside Diameter Copper Tube <i>For Copper Nickel Tubes, Add</i> <i>For Double Wall Tube Bundles, Add</i>	7,969.82 679.65 1,019.48	445.86
23 57 19 19-0008	EA 112 GPM Heat Exchanger By 200 Degree Water, 40-140 Degree, 4 Pass 3/4" Outside Diameter Copper Tube <i>For Copper Nickel Tubes, Add</i> <i>For Double Wall Tube Bundles, Add</i>	9,802.53 844.97 1,267.46	418.15
23 57 19 19-0009	EA 126 GPM Heat Exchanger By 200 Degree Water, 40-140 Degree, 4 Pass 3/4" Outside Diameter Copper Tube <i>For Copper Nickel Tubes, Add</i> <i>For Double Wall Tube Bundles, Add</i>	12,174.22 1,053.15 1,579.73	418.15
23 57 19 19-0010	EA 152 GPM Heat Exchanger By 200 Degree Water, 40-140 Degree, 4 Pass 3/4" Outside Diameter Copper Tube <i>For Copper Nickel Tubes, Add</i> <i>For Double Wall Tube Bundles, Add</i>	15,561.25 1,347.05 2,020.58	418.15

23 57 19 23 Refrigerant-To-Water Heat Exchanger (23 57 19)

23 57 19 23-0001	Heat Exchanger Refrigerant To Water (23 57 19 23)		
23 57 19 23-0002	EA 10 GPM Heat Exchanger By 385 Degree Water, 40-180 Degree, 3 Pass 3/4" Outside Diameter Copper Tube <i>For Copper Nickel Tubes, Add</i> <i>For Double Wall Tube Bundles, Add</i>	1,919.47 147.36 221.04	222.93
23 57 19 23-0003	EA 53 GPM Heat Exchanger By 385 Degree Water, 40-180 Degree, 3 Pass 3/4" Outside Diameter Copper Tube <i>For Copper Nickel Tubes, Add</i> <i>For Double Wall Tube Bundles, Add</i>	4,910.72 416.76 625.14	371.52
23 57 19 23-0004	EA 70 GPM Heat Exchanger By 385 Degree Water, 40-180 Degree, 3 Pass 3/4" Outside Diameter Copper Tube <i>For Copper Nickel Tubes, Add</i> <i>For Double Wall Tube Bundles, Add</i>	6,601.64 563.41 845.11	484.65
23 57 19 23-0005	EA 87 GPM Heat Exchanger By 385 Degree Water, 40-180 Degree, 3 Pass 3/4" Outside Diameter Copper Tube <i>For Copper Nickel Tubes, Add</i> <i>For Double Wall Tube Bundles, Add</i>	7,142.57 597.17 895.76	586.65
23 57 19 23-0006	EA 105 GPM Heat Exchanger By 385 Degree Water, 40-180 Degree, 3 Pass 3/4" Outside Diameter Copper Tube <i>For Copper Nickel Tubes, Add</i> <i>For Double Wall Tube Bundles, Add</i>	8,554.68 720.50 1,080.76	664.11

23 60 Central Cooling Equipment (23)

Note: Where required, mechanical equipment excludes electrical connection, disconnect, or starter unless title states otherwise. See CSI section 26 05 19 16-0011 for electrical connection and termination, 26 05 83 00-0130 for terminations, 26 28 16 00-0001 for disconnect.

23 61 Refrigerant Compressors (23 60)

23 61 16 Reciprocating Refrigerant Compressors (23 61)

23 61 16 00-0001	Reciprocating Open Type Refrigerant Compressors (23 61 16) <small>Note: Includes manual reversible oil pump and automatic pressure regulator. Excludes muffler, vibration isolators, crank case oil heaters, couplings and flywheel.</small>		
23 61 16 00-0002	EA 1/4 Ton Refrigerant Compressor, Reciprocating Open Type.....	426.43	100.59
23 61 16 00-0003	EA 1/3 Ton Refrigerant Compressor, Reciprocating Open Type.....	488.56	100.59
23 61 16 00-0004	EA 1/2 Ton Refrigerant Compressor, Reciprocating Open Type.....	652.77	125.70
23 61 16 00-0005	EA 3/4 Ton Refrigerant Compressor, Reciprocating Open Type.....	780.92	125.70
23 61 16 00-0006	EA 1 Ton Refrigerant Compressor, Reciprocating Open Type.....	858.59	125.70
23 61 16 00-0007	EA 1-1/4 Ton Refrigerant Compressor, Reciprocating Open Type.....	873.18	130.77
23 61 16 00-0008	EA 1-1/2 Ton Refrigerant Compressor, Reciprocating Open Type.....	877.71	130.77
23 61 16 00-0009	EA 1-3/4 Ton Refrigerant Compressor, Reciprocating Open Type.....	961.26	140.82
23 61 16 00-0010	EA 2 Ton Refrigerant Compressor, Reciprocating Open Type.....	1,033.16	150.89
23 61 16 00-0011	EA 2-1/2 Ton Refrigerant Compressor, Reciprocating Open Type.....	1,123.17	160.95
23 61 16 00-0012	EA 3 Ton Refrigerant Compressor, Reciprocating Open Type.....	1,256.50	160.95
23 61 16 00-0013	EA 3-1/2 Ton Refrigerant Compressor, Reciprocating Open Type.....	1,400.88	171.00
23 61 16 00-0014	EA 4 Ton Refrigerant Compressor, Reciprocating Open Type.....	1,436.55	181.07
23 61 16 00-0015	EA 4-1/2 Ton Refrigerant Compressor, Reciprocating Open Type.....	1,462.12	186.05
23 61 16 00-0016	EA 5 Ton Refrigerant Compressor, Reciprocating Open Type.....	2,595.05	973.95
23 61 16 00-0017	EA 7.5 Ton Refrigerant Compressor, Reciprocating Open Type.....	3,666.67	1,113.04
23 61 16 00-0018	EA 10 Ton Refrigerant Compressor, Reciprocating Open Type.....	4,738.41	1,252.21

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 60 Central Cooling Equipment****23 61 Refrigerant Compressors**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

23 61 16 00-0019	EA	12.5 Ton Refrigerant Compressor, Reciprocating Open Type	6,054.80	1,356.47
23 61 16 00-0020	EA	15 Ton Refrigerant Compressor, Reciprocating Open Type	7,371.50	1,460.92
23 61 16 00-0021	EA	20 Ton Refrigerant Compressor, Reciprocating Open Type	8,845.79	1,753.11
23 61 16 00-0022	EA	25 Ton Refrigerant Compressor, Reciprocating Open Type	10,488.64	1,884.25
23 61 16 00-0023	EA	30 Ton Refrigerant Compressor, Reciprocating Open Type	12,052.60	1,992.17
23 61 16 00-0024	EA	50 Ton Refrigerant Compressor, Reciprocating Open Type	15,542.84	2,247.60
23 61 16 00-0025	EA	60 Ton Refrigerant Compressor, Reciprocating Open Type	18,091.16	2,306.54
23 61 16 00-0026	EA	70 Ton Refrigerant Compressor, Reciprocating Open Type	22,279.26	2,365.39
23 61 16 00-0027	EA	75 Ton Refrigerant Compressor, Reciprocating Open Type	23,335.56	2,394.92
23 61 16 00-0028	EA	80 Ton Refrigerant Compressor, Reciprocating Open Type	24,348.87	2,424.34
23 61 16 00-0029	EA	90 Ton Refrigerant Compressor, Reciprocating Open Type	26,247.70	2,483.19
23 61 16 00-0030	EA	100 Ton Refrigerant Compressor, Reciprocating Open Type	27,977.29	2,542.22
23 61 16 00-0031	EA	110 Ton Refrigerant Compressor, Reciprocating Open Type	29,964.50	2,759.45
23 61 16 00-0032	EA	120 Ton Refrigerant Compressor, Reciprocating Open Type	31,351.90	2,821.20
23 61 16 00-0033	EA	130 Ton Refrigerant Compressor, Reciprocating Open Type	32,530.53	2,857.12
23 61 16 00-0034	EA	140 Ton Refrigerant Compressor, Reciprocating Open Type	33,616.94	2,945.51
23 61 16 00-0035	EA	150 Ton Refrigerant Compressor, Reciprocating Open Type	34,491.06	3,007.26
23 61 16 00-0036	EA	175 Ton Refrigerant Compressor, Reciprocating Open Type	35,395.48	3,089.68
23 61 16 00-0037	EA	185 Ton Refrigerant Compressor, Reciprocating Open Type	36,225.21	3,122.90
23 61 16 00-0038	EA	200 Ton Refrigerant Compressor, Reciprocating Open Type	37,083.67	3,174.58
23 61 16 00-0039	EA	225 Ton Refrigerant Compressor, Reciprocating Open Type	38,197.66	3,388.67
23 61 16 00-0040	EA	250 Ton Refrigerant Compressor, Reciprocating Open Type	39,260.58	3,571.35

23 61 16 00-0041 Reciprocating Hermetic Type Refrigerant Compressors (23 61 16)

Note: Includes automatic reversible oil pump, suction and discharge shut-off valves, device for loading and unloading compressor cylinders and crank case oil heater. Excludes mufflers and vibration isolators.

23 61 16 00-0042 Reciprocating Hermetic Type Refrigerant Compressors <5 Tons (23 61 16 00-0041)

23 61 16 00-0043	EA	1/4 Ton Refrigerant Compressor, Reciprocating Hermetic Type	664.07	100.59
23 61 16 00-0044	EA	1/3 Ton Refrigerant Compressor, Reciprocating Hermetic Type	683.76	100.59
23 61 16 00-0045	EA	1/2 Ton Refrigerant Compressor, Reciprocating Hermetic Type	753.75	125.70
23 61 16 00-0046	EA	3/4 Ton Refrigerant Compressor, Reciprocating Hermetic Type	773.45	125.70
23 61 16 00-0047	EA	1 Ton Refrigerant Compressor, Reciprocating Hermetic Type	783.29	125.70
23 61 16 00-0048	EA	1-1/4 Ton Refrigerant Compressor, Reciprocating Hermetic Type	809.11	130.77
23 61 16 00-0049	EA	1-1/2 Ton Refrigerant Compressor, Reciprocating Hermetic Type	830.78	130.77
23 61 16 00-0050	EA	1-3/4 Ton Refrigerant Compressor, Reciprocating Hermetic Type	892.26	140.82
23 61 16 00-0051	EA	2 Ton Refrigerant Compressor, Reciprocating Hermetic Type	951.78	150.89
23 61 16 00-0052	EA	2-1/2 Ton Refrigerant Compressor, Reciprocating Hermetic Type	1,030.98	160.95
23 61 16 00-0053	EA	3 Ton Refrigerant Compressor, Reciprocating Hermetic Type	1,070.37	160.95
23 61 16 00-0054	EA	3-1/2 Ton Refrigerant Compressor, Reciprocating Hermetic Type	1,149.57	171.00
23 61 16 00-0055	EA	4 Ton Refrigerant Compressor, Reciprocating Hermetic Type	1,346.97	181.07
23 61 16 00-0056	EA	4-1/2 Ton Refrigerant Compressor, Reciprocating Hermetic Type	1,465.34	186.05

23 61 16 00-0057 Reciprocating Hermetic Type Refrigerant Compressors (23 61 16 00-0041)

23 61 16 00-0058	EA	5 Ton Refrigerant Compressor, Reciprocating Hermetic Type	1,959.87	500.88
23 61 16 00-0059	EA	10 Ton Refrigerant Compressor, Reciprocating Hermetic Type	3,528.20	626.11
23 61 16 00-0060	EA	15 Ton Refrigerant Compressor, Reciprocating Hermetic Type	5,717.32	762.23
23 61 16 00-0061	EA	20 Ton Refrigerant Compressor, Reciprocating Hermetic Type	7,224.90	876.55
23 61 16 00-0062	EA	25 Ton Refrigerant Compressor, Reciprocating Hermetic Type	7,982.82	973.95
23 61 16 00-0063	EA	30 Ton Refrigerant Compressor, Reciprocating Hermetic Type	8,860.37	1,095.69
23 61 16 00-0064	EA	35 Ton Refrigerant Compressor, Reciprocating Hermetic Type	11,358.76	1,252.21
23 61 16 00-0065	EA	40 Ton Refrigerant Compressor, Reciprocating Hermetic Type	14,388.78	1,252.21
23 61 16 00-0066	EA	50 Ton Refrigerant Compressor, Reciprocating Hermetic Type	17,718.82	1,460.92
23 61 16 00-0067	EA	60 Ton Refrigerant Compressor, Reciprocating Hermetic Type	19,899.37	1,565.27
23 61 16 00-0068	EA	70 Ton Refrigerant Compressor, Reciprocating Hermetic Type	21,016.98	1,640.39
23 61 16 00-0069	EA	75 Ton Refrigerant Compressor, Reciprocating Hermetic Type	21,627.75	1,721.42
23 61 16 00-0070	EA	80 Ton Refrigerant Compressor, Reciprocating Hermetic Type	22,215.92	1,728.10
23 61 16 00-0071	EA	90 Ton Refrigerant Compressor, Reciprocating Hermetic Type	23,332.76	1,809.41
23 61 16 00-0072	EA	100 Ton Refrigerant Compressor, Reciprocating Hermetic Type	24,456.23	1,884.25

23 61 19 Scroll Refrigerant Compressors (23 61)**23 61 19 00-0001 Scroll Refrigerant Compressors (23 61 19)**

23 61 19 00-0002	EA	Up To 3 Ton Scroll Refrigerant Compressor	1,013.94	160.75
23 61 19 00-0003	EA	3.5 Ton Scroll Refrigerant Compressor	1,064.59	171.10
23 61 19 00-0004	EA	4 Ton Scroll Refrigerant Compressor	1,093.93	180.97
23 61 19 00-0005	EA	4.5 Ton Scroll Refrigerant Compressor	1,116.26	186.14
23 61 19 00-0006	EA	5 Ton Scroll Refrigerant Compressor	1,385.49	235.03
23 61 19 00-0007	EA	7.5 Ton Scroll Refrigerant Compressor	2,583.54	352.54
23 61 19 00-0008	EA	8.75 Ton Scroll Refrigerant Compressor	2,960.56	411.29
23 61 19 00-0009	EA	10 Ton Scroll Refrigerant Compressor	3,322.31	470.05
23 61 19 00-0010	EA	12 Ton Scroll Refrigerant Compressor	4,012.85	564.06
23 61 19 00-0011	EA	13.5 Ton Scroll Refrigerant Compressor	4,713.96	634.57
23 61 19 00-0012	EA	15 Ton Scroll Refrigerant Compressor	5,506.54	705.08
23 61 19 00-0013	EA	20 Ton Scroll Refrigerant Compressor	7,729.71	940.11
23 61 19 00-0014	EA	25 Ton Scroll Refrigerant Compressor	8,780.69	1,175.13
23 61 19 00-0015	EA	30 Ton Scroll Refrigerant Compressor	9,476.85	1,410.16



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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23 61 23 Rotary-Screw Refrigerant Compressors (23 61)

23 61 23 00-0001 Rotary Screw Type Refrigerant Compressors (23 61 23)

23 61 23 00-0002	EA		75 Ton Refrigerant Compressor, Rotary Screw Type.....	25,507.57	2,394.92
23 61 23 00-0003	EA		80 Ton Refrigerant Compressor, Rotary Screw Type.....	26,258.15	2,424.34
23 61 23 00-0004	EA		90 Ton Refrigerant Compressor, Rotary Screw Type.....	27,882.05	2,483.19
23 61 23 00-0005	EA		100 Ton Refrigerant Compressor, Rotary Screw Type.....	29,490.99	2,542.22
23 61 23 00-0006	EA		110 Ton Refrigerant Compressor, Rotary Screw Type.....	31,797.79	2,759.45
23 61 23 00-0007	EA		120 Ton Refrigerant Compressor, Rotary Screw Type.....	33,676.73	2,821.20
23 61 23 00-0008	EA		130 Ton Refrigerant Compressor, Rotary Screw Type.....	35,501.40	2,857.12
23 61 23 00-0009	EA		140 Ton Refrigerant Compressor, Rotary Screw Type.....	37,424.98	2,945.51
23 61 23 00-0010	EA		150 Ton Refrigerant Compressor, Rotary Screw Type.....	39,302.70	3,007.26
23 61 23 00-0011	EA		170 Ton Refrigerant Compressor, Rotary Screw Type.....	41,935.67	3,089.68
23 61 23 00-0012	EA		185 Ton Refrigerant Compressor, Rotary Screw Type.....	43,781.88	3,122.90
23 61 23 00-0013	EA		200 Ton Refrigerant Compressor, Rotary Screw Type.....	44,658.61	3,174.58
23 61 23 00-0014	EA		215 Ton Refrigerant Compressor, Rotary Screw Type.....	50,033.59	3,388.67
23 61 23 00-0015	EA		225 Ton Refrigerant Compressor, Rotary Screw Type.....	55,303.24	3,571.35

23 62 Packaged Compressor and Condenser Units (23 60)

23 62 13 Packaged Air-Cooled Refrigerant Compressor and Condenser Units (23 62)

23 62 13 00-0001 Combination Direct-Expansion Liquid Cooler And Compressors (23 62 13)

Note: Shell and tube type. Chilled water temperature rise is 12 degree F. Rated by cooling capacity in tons. Includes power panel, factory wired and installed control panel, pressure and safety switches and gauges for oil pressure and high and low refrigerant pressure, flow switches, phase monitoring, sight glasses and filter dryers, start-up costs and equipment rigging. Units greater than 5 tons include dual compressors. Excludes motor starter, piping or power wiring.

23 62 13 00-0002	EA		1 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube.....	5,758.07	434.33
23 62 13 00-0003	EA		5 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube.....	13,455.74	434.33
23 62 13 00-0004	EA		10 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube.....	24,090.43	434.33
23 62 13 00-0005	EA		15 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube.....	28,690.67	496.37
23 62 13 00-0006	EA		20 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube.....	34,286.16	620.47
23 62 13 00-0007	EA		25 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube.....	38,093.52	754.90
23 62 13 00-0008	EA		30 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube.....	39,209.16	895.50
23 62 13 00-0009	EA		40 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube.....	42,055.66	977.58
23 62 13 00-0010	EA		50 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube.....	44,811.91	1,024.46
23 62 13 00-0011	EA		60 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube.....	51,559.23	1,212.00
23 62 13 00-0012	EA		75 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube.....	58,322.85	1,396.55
23 62 13 00-0013	EA		80 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube.....	61,595.50	1,404.76
23 62 13 00-0014	EA		90 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube.....	69,705.35	1,500.09
23 62 13 00-0015	EA		100 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube.....	76,304.01	1,589.39

23 62 13 00-0016 Direct-Expansion Liquid Cooler Shell And Tube Type (23 62 13)

Note: For built-up systems. Chilled water temperature rise is 12 degree F. Rated by cooling capacity in tons. Excludes compressors. Includes power panel, factory wired and installed control panel, pressure and safety switches and gauges for oil pressure and high and low refrigerant pressure, flow switches, phase monitoring, sight glasses and filter dryers, start-up costs and equipment rigging. Units greater than 5 tons include dual compressors. Excludes motor starter, piping or power wiring.

23 62 13 00-0017	EA		1 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube For Built-Up Systems.....	5,467.02	434.33
23 62 13 00-0018	EA		5 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube For Built-Up Systems.....	11,799.17	434.33
23 62 13 00-0019	EA		10 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube For Built-Up Systems.....	18,731.19	434.33
23 62 13 00-0020	EA		15 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube For Built-Up Systems.....	20,297.84	496.37
23 62 13 00-0021	EA		20 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube For Built-Up Systems.....	21,958.49	620.47
23 62 13 00-0022	EA		25 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube For Built-Up Systems.....	26,177.11	754.90
23 62 13 00-0023	EA		30 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube For Built-Up Systems.....	29,738.39	895.50
23 62 13 00-0024	EA		40 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube For Built-Up Systems.....	38,157.87	973.09
23 62 13 00-0025	EA		50 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube For Built-Up Systems.....	42,785.67	1,024.46
23 62 13 00-0026	EA		60 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube For Built-Up Systems.....	46,643.68	1,210.50
23 62 13 00-0027	EA		75 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube For Built-Up Systems.....	53,454.82	1,396.55
23 62 13 00-0028	EA		80 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube For Built-Up Systems.....	56,573.06	1,404.76
23 62 13 00-0029	EA		90 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube For Built-Up Systems.....	62,177.97	1,500.09
23 62 13 00-0030	EA		100 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube For Built-Up Systems.....	71,080.05	1,589.39

23 62 13 00-0031 Packaged Chiller With Remote Air Cooled Condenser (23 62 13)

Note: With remote air cooled condenser rated by cooling capacity. Units are factory assembled package type and include hermetic compressor, motor, cooler, condenser, internal piping, oil, discharge/suction gauges, lead lag switch, compressor unloaders, removable core filter drier with 3 valve by-pass, sight glass, internal wiring, motor starters, insulation, fan cycling controls, standard oil hi/low safety control switches, operation and safety controls, factory wired and installed control panel, vibration eliminators, phase monitoring for 3 phase units, start-up and equipment rigging. Units include dual compressors. Excludes piping and power wiring.

23 62 13 00-0032	EA		15 Ton Packaged Chiller With Remote Air Cooled Condensers.....	37,076.31	7,677.21
			<i>For Gas Fired Engine Driven, Add</i>	<i>6,264.26</i>	
23 62 13 00-0033	EA		20 Ton Packaged Chiller With Remote Air Cooled Condensers.....	41,774.26	8,092.18
			<i>For Gas Fired Engine Driven, Add</i>	<i>7,141.64</i>	
23 62 13 00-0034	EA		25 Ton Packaged Chiller With Remote Air Cooled Condensers.....	48,402.64	8,806.12
			<i>For Gas Fired Engine Driven, Add</i>	<i>8,360.27</i>	
23 62 13 00-0035	EA		30 Ton Packaged Chiller With Remote Air Cooled Condensers.....	54,044.64	9,356.55
			<i>For Gas Fired Engine Driven, Add</i>	<i>9,406.15</i>	

23 Heating, Ventilating, And Air-Conditioning (HVAC)

23 60 Central Cooling Equipment

23 62 Packaged Compressor and Condenser Units



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 62 13 00-0036 EA 40 Ton Packaged Chiller With Remote Air Cooled Condensers <i>For Gas Fired Engine Driven, Add</i>	67,352.65 11,922.64	10,324.46
23 62 13 00-0037 EA 50 Ton Packaged Chiller With Remote Air Cooled Condensers <i>For Gas Fired Engine Driven, Add</i>	74,204.40 13,237.70	10,693.15
23 62 13 00-0038 EA 60 Ton Packaged Chiller With Remote Air Cooled Condensers <i>For Gas Fired Engine Driven, Add</i>	80,624.99 14,398.50	11,515.71
23 62 13 00-0039 EA 70 Ton Packaged Chiller With Remote Air Cooled Condensers <i>For Gas Fired Engine Driven, Add</i>	97,811.12 17,691.85	12,321.42
23 62 13 00-0040 EA 75 Ton Packaged Chiller With Remote Air Cooled Condensers <i>For Gas Fired Engine Driven, Add</i>	98,940.11 17,906.64	12,548.74
23 62 13 00-0041 EA 80 Ton Packaged Chiller With Remote Air Cooled Condensers <i>For Gas Fired Engine Driven, Add</i>	100,777.05 18,192.23	13,094.39
23 62 13 00-0042 EA 90 Ton Packaged Chiller With Remote Air Cooled Condensers <i>For Gas Fired Engine Driven, Add</i>	111,714.79 20,290.55	13,689.61
23 62 13 00-0043 EA 100 Ton Packaged Chiller With Remote Air Cooled Condensers <i>For Gas Fired Engine Driven, Add</i>	123,499.14 22,549.68	14,341.52
23 62 13 00-0044 EA 110 Ton Packaged Chiller With Remote Air Cooled Condensers <i>For Gas Fired Engine Driven, Add</i>	136,822.18 25,106.78	15,058.55
23 62 13 00-0045 EA 120 Ton Packaged Chiller With Remote Air Cooled Condensers <i>For Gas Fired Engine Driven, Add</i>	147,891.11 27,201.75	15,851.13
23 62 13 00-0046 EA 140 Ton Packaged Chiller With Remote Air Cooled Condensers <i>For Gas Fired Engine Driven, Add</i>	163,106.12 30,112.72	16,731.73

23 62 23 Packaged Water-Cooled Refrigerant Compressor and Condenser Units (23 62)

23 62 23 00-0001 Water Cooled Condensing Units (23 62 23)

Note: Includes compressor, condenser and motor, and equipment rigging. Excludes piping and power wiring.

23 62 23 00-0002 EA 5 Ton Water Cooled Condensing Unit With Compressor, Condenser And Motor.....	4,576.10	713.09
23 62 23 00-0003 EA 10 Ton Water Cooled Condensing Unit With Compressor, Condenser And Motor.....	6,914.61	1,041.41
23 62 23 00-0004 EA 15 Ton Water Cooled Condensing Unit With Compressor, Condenser And Motor.....	7,874.17	1,128.63
23 62 23 00-0005 EA 20 Ton Water Cooled Condensing Unit With Compressor, Condenser And Motor.....	9,734.20	1,354.35
23 62 23 00-0006 EA 30 Ton Water Cooled Condensing Unit With Compressor, Condenser And Motor.....	10,601.21	1,593.42
23 62 23 00-0007 EA 60 Ton Water Cooled Condensing Unit With Compressor, Condenser And Motor.....	21,622.66	2,232.58
23 62 23 00-0008 EA 80 Ton Water Cooled Condensing Unit With Compressor, Condenser And Motor.....	26,787.91	2,694.53
23 62 23 00-0009 EA 120 Ton Water Cooled Condensing Unit With Compressor, Condenser And Motor.....	36,560.69	2,948.22

23 63 Refrigerant Condensers (23 60)

23 63 13 Air-Cooled Refrigerant Condensers (23 63)

23 63 13 00-0001 Air Cooled Condensing Units (23 63 13)

Note: Includes compressor(s), condenser, fan, motors, discharge/suction gauges, sight glass, fan cycling controls, standard oil hi/low safety control switches, standard controls and liquid line filter dryers and phase monitoring for 3 phase units and equipment rigging. Meets minimum ASHRAE EER requirements. Excludes piping and power wiring.

23 63 13 00-0002 EA 6 Ton Air Cooled Condensing Unit With Compressor, Condenser, Fan And Motor..... <i>For >10 To 25, Deduct</i> <i>For >25 To 50, Deduct</i> <i>For >50, Deduct</i> <i>For Low Ambient Protection, 0 Degree F, Add</i> <i>For Winter Start Control, Add</i>	4,254.77 -95.24 -158.74 -253.98 682.72 234.99	713.09
23 63 13 00-0003 EA 7.5 Ton Air Cooled Condensing Unit With Compressor, Condenser, Fan And Motor..... <i>For >10 To 25, Deduct</i> <i>For >25 To 50, Deduct</i> <i>For >50, Deduct</i> <i>For Low Ambient Protection, 0 Degree F, Add</i> <i>For Winter Start Control, Add</i>	5,092.23 -114.29 -190.48 -304.78 625.41 204.45	846.47
23 63 13 00-0004 EA 10 Ton Air Cooled Condensing Unit With Compressor, Condenser, Fan And Motor..... <i>For >10 To 25, Deduct</i> <i>For >25 To 50, Deduct</i> <i>For >50, Deduct</i> <i>For Low Ambient Protection, 0 Degree F, Add</i> <i>For Winter Start Control, Add</i>	6,589.91 -150.34 -250.57 -400.91 745.42 258.08	1,041.41
23 63 13 00-0005 EA 12.5 Ton Air Cooled Condensing Unit With Compressor, Condenser, Fan And Motor..... <i>For >10 To 25, Deduct</i> <i>For >25 To 50, Deduct</i> <i>For >50, Deduct</i> <i>For Low Ambient Protection, 0 Degree F, Add</i> <i>For Winter Start Control, Add</i>	8,046.52 -192.15 -320.24 -512.39 858.75 292.26	1,083.48
23 63 13 00-0006 EA 15 Ton Air Cooled Condensing Unit With Compressor, Condenser, Fan And Motor..... <i>For >10 To 25, Deduct</i> <i>For >25 To 50, Deduct</i> <i>For >50, Deduct</i> <i>For Low Ambient Protection, 0 Degree F, Add</i> <i>For Winter Start Control, Add</i>	9,508.41 -233.95 -389.92 -623.87 895.41 248.99	1,128.63
23 63 13 00-0007 EA 20 Ton Air Cooled Condensing Unit With Compressor, Condenser, Fan And Motor..... <i>For >10 To 25, Deduct</i> <i>For >25 To 50, Deduct</i> <i>For >50, Deduct</i> <i>For Low Ambient Protection, 0 Degree F, Add</i> <i>For Winter Start Control, Add</i>	12,202.70 -304.52 -507.53 -812.05 1,122.05 306.71	1,354.35



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 63 13 00-0008 EA 25 Ton Air Cooled Condensing Unit With Compressor, Condenser, Fan And Motor.....	13,839.18	1,456.96
<i>For >10 To 25, Deduct</i>	-349.01	
<i>For >25 To 50, Deduct</i>	-581.68	
<i>For >50, Deduct</i>	-930.69	
<i>For Low Ambient Protection, 0 Degree F, Add</i>	1,191.24	
<i>For Winter Start Control, Add</i>	336.89	
23 63 13 00-0009 EA 30 Ton Air Cooled Condensing Unit With Compressor, Condenser, Fan And Motor.....	15,829.67	1,590.34
<i>For >10 To 25, Deduct</i>	-402.70	
<i>For >25 To 50, Deduct</i>	-671.17	
<i>For >50, Deduct</i>	-1,073.87	
<i>For Low Ambient Protection, 0 Degree F, Add</i>	1,272.74	
<i>For Winter Start Control, Add</i>	374.86	
23 63 13 00-0010 EA 40 Ton Air Cooled Condensing Unit With Compressor, Condenser, Fan And Motor.....	21,467.67	1,775.91
<i>For >10 To 25, Deduct</i>	-561.87	
<i>For >25 To 50, Deduct</i>	-936.44	
<i>For >50, Deduct</i>	-1,498.31	
<i>For Low Ambient Protection, 0 Degree F, Add</i>	1,621.15	
<i>For Winter Start Control, Add</i>	461.17	
23 63 13 00-0011 EA 50 Ton Air Cooled Condensing Unit With Compressor, Condenser, Fan And Motor.....	26,103.09	2,232.58
<i>For >10 To 25, Deduct</i>	-679.80	
<i>For >25 To 50, Deduct</i>	-1,133.00	
<i>For >50, Deduct</i>	-1,812.80	
<i>For Low Ambient Protection, 0 Degree F, Add</i>	1,767.17	
<i>For Winter Start Control, Add</i>	457.61	
23 63 13 00-0012 EA 60 Ton Air Cooled Condensing Unit With Compressor, Condenser, Fan And Motor.....	29,994.34	2,464.07
<i>For >10 To 25, Deduct</i>	-788.84	
<i>For >25 To 50, Deduct</i>	-1,314.73	
<i>For >50, Deduct</i>	-2,103.56	
<i>For Low Ambient Protection, 0 Degree F, Add</i>	1,976.73	
<i>For Winter Start Control, Add</i>	501.45	
23 63 13 00-0013 EA 80 Ton Air Cooled Condensing Unit With Compressor, Condenser, Fan And Motor.....	38,672.80	2,694.53
<i>For >10 To 25, Deduct</i>	-1,035.52	
<i>For >25 To 50, Deduct</i>	-1,725.87	
<i>For >50, Deduct</i>	-2,761.39	
<i>For Low Ambient Protection, 0 Degree F, Add</i>	2,419.56	
<i>For Winter Start Control, Add</i>	588.13	
23 63 13 00-0014 EA 100 Ton Air Cooled Condensing Unit With Compressor, Condenser, Fan And Motor.....	53,135.30	2,426.13
<i>For >10 To 25, Deduct</i>	-1,445.89	
<i>For >25 To 50, Deduct</i>	-2,409.82	
<i>For >50, Deduct</i>	-3,855.71	
<i>For Low Ambient Protection, 0 Degree F, Add</i>	2,680.61	
<i>For Winter Start Control, Add</i>	734.87	
23 63 13 00-0015 EA 120 Ton Air Cooled Condensing Unit With Compressor, Condenser, Fan And Motor.....	65,192.03	2,508.37
<i>For >10 To 25, Deduct</i>	-1,802.57	
<i>For >25 To 50, Deduct</i>	-3,004.29	
<i>For >50, Deduct</i>	-4,806.86	
<i>For Low Ambient Protection, 0 Degree F, Add</i>	3,079.14	
23 63 13 00-0016 Air Cooled Condensing Units <small>(23 63 13)</small>		
Note: Include compressor(s), condenser, fan, motors, discharge/suction gauges, sight glass, fan cycling controls, standard oil hi/low safety control switches, standard controls and liquid line filter dryers, 13 SEER, 1 or 3 phase and equipment rigging. Higher SEER ratings can be obtained by oversizing evaporators. Excludes piping and power wiring.		
23 63 13 00-0017 EA 1.5 Ton, 13 SEER, Air Cooled Condensing Unit.....	1,701.82	345.33
Note: Precharged with refrigerant capable of charging the system with a 20' length of piping.		
<i>For >10 To 25, Deduct</i>	-35.51	
<i>For >25 To 50, Deduct</i>	-59.19	
<i>For >50, Deduct</i>	-94.71	
<i>For 14 SEER, Add</i>	248.60	
<i>For 16 SEER, Add</i>	485.37	
<i>For 18 SEER, Add</i>	1,053.60	
23 63 13 00-0018 EA 2 Ton, 13 SEER, Air Cooled Condensing Unit.....	1,834.80	383.89
Note: Precharged with refrigerant capable of charging the system with a 20' length of piping.		
<i>For >10 To 25, Deduct</i>	-37.78	
<i>For >25 To 50, Deduct</i>	-62.96	
<i>For >50, Deduct</i>	-100.74	
<i>For 14 SEER, Add</i>	264.44	
<i>For 16 SEER, Add</i>	516.29	
<i>For 18 SEER, Add</i>	1,120.72	
23 63 13 00-0019 EA 2.5 Ton, 13 SEER, Air Cooled Condensing Unit.....	1,952.44	422.28
Note: Precharged with refrigerant capable of charging the system with a 20' length of piping.		
<i>For >10 To 25, Deduct</i>	-39.58	
<i>For >25 To 50, Deduct</i>	-65.97	
<i>For >50, Deduct</i>	-105.55	
<i>For 14 SEER, Add</i>	277.06	
<i>For 16 SEER, Add</i>	540.93	
<i>For 18 SEER, Add</i>	1,174.20	
23 63 13 00-0020 EA 3 Ton, 13 SEER, Air Cooled Condensing Unit.....	2,233.72	460.44
Note: Precharged with refrigerant capable of charging the system with a 20' length of piping.		
<i>For >10 To 25, Deduct</i>	-46.29	
<i>For >25 To 50, Deduct</i>	-77.15	
<i>For >50, Deduct</i>	-123.44	
<i>For 14 SEER, Add</i>	324.04	
<i>For 16 SEER, Add</i>	632.65	
<i>For 18 SEER, Add</i>	1,373.31	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 60 Central Cooling Equipment****23 63 Refrigerant Condensers**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 63 13 00-0021	EA		3.5 Ton, 13 SEER, Air Cooled Condensing Unit.....	2,369.27	499.07
			Note: Precharged with refrigerant capable of charging the system with a 20' length of piping.		
			For >10 To 25, Deduct	-48.63	
			For >25 To 50, Deduct	-81.05	
			For >50, Deduct	-129.68	
			For 14 SEER, Add	340.42	
			For 16 SEER, Add	664.63	
			For 18 SEER, Add	1,442.73	
23 63 13 00-0022	EA		4 Ton, 13 SEER, Air Cooled Condensing Unit.....	2,633.91	537.46
			Note: Precharged with refrigerant capable of charging the system with a 20' length of piping.		
			For >10 To 25, Deduct	-54.84	
			For >25 To 50, Deduct	-91.41	
			For >50, Deduct	-146.25	
			For 14 SEER, Add	383.91	
			For 16 SEER, Add	749.54	
			For 18 SEER, Add	1,627.04	
23 63 13 00-0023	EA		5 Ton, 13 SEER, Air Cooled Condensing Unit.....	2,961.80	575.56
			Note: Precharged with refrigerant capable of charging the system with a 20' length of piping.		
			For >10 To 25, Deduct	-62.95	
			For >25 To 50, Deduct	-104.92	
			For >50, Deduct	-167.88	
			For 14 SEER, Add	440.68	
			For 15 SEER, Add	503.63	
			For 16 SEER, Add	860.37	
			For 18 SEER, Add	1,867.64	
23 63 13 00-0024			Removal And Reinstallation Of AC Condensing Unit (23 63 13)		
			Note: Includes storage and cleaning.		
23 63 13 00-0025	EA		Removal And Reinstallation Of Up To 5 Tons Air Cooled Condensing Unit.....	353.26	
23 63 13 00-0026	EA		Removal And Reinstallation Of 7.5 To 15 Tons Air Cooled Condensing Unit.....	1,324.76	
23 63 13 00-0027	EA		Removal And Reinstallation Of 20 To 40 Tons Air Cooled Condensing Unit.....	2,155.52	
23 64			Packaged Water Chillers (23 60)		
23 64 13			Absorption Water Chillers (23 64)		
23 64 13 16			Indirect-Fired Absorption Water Chillers (23 64 13)		
23 64 13 16-0001			Packaged, Steam Driven, Water Cooled Absorption Chillers (23 64 13 16)		
			Note: Includes refrigerant monitor with scanner, audible alarm, and lights, 460 V motor, and all accessories, controls (water temperature controller with PE switches, flow switch, etc.) factory wired and installed control panel, and also includes start-up. Price includes closed transition starter. (rated by cooling capacity in tons). Units are factory assembled package type consisting of motor, cooler, condenser, internal piping and wiring, motor starters, insulation, purge unit, controls, gauges, lubrication system, refrigerant charge, oil, phase monitoring for 3 phase units, start-up costs and equipment rigging. Exclude piping and power wiring.		
23 64 13 16-0002	EA		50 Ton Packaged, Steam Driven, Water Cooled Absorption Chiller.....	92,277.07	6,128.24
			For Two Stage Unit, Add	60,690.56	
23 64 13 16-0003	EA		100 Ton Packaged, Steam Driven, Water Cooled Absorption Chiller.....	117,098.97	7,301.15
			For Two Stage Unit, Add	77,278.05	
23 64 13 16-0004	EA		150 Ton Packaged, Steam Driven, Water Cooled Absorption Chiller.....	147,962.37	7,495.81
			For Two Stage Unit, Add	98,757.33	
23 64 13 16-0005	EA		200 Ton Packaged, Steam Driven, Water Cooled Absorption Chiller.....	163,778.74	7,638.39
			For Two Stage Unit, Add	109,737.18	
23 64 13 16-0006	EA		250 Ton Packaged, Steam Driven, Water Cooled Absorption Chiller.....	182,998.98	7,829.84
			For Two Stage Unit, Add	123,068.30	
23 64 13 16-0007	EA		300 Ton Packaged, Steam Driven, Water Cooled Absorption Chiller.....	206,602.43	8,291.81
			For Two Stage Unit, Add	139,293.91	
23 64 13 16-0008	EA		350 Ton Packaged, Steam Driven, Water Cooled Absorption Chiller.....	221,472.53	8,492.19
			For Two Stage Unit, Add	149,574.21	
23 64 13 16-0009	EA		400 Ton Packaged, Steam Driven, Water Cooled Absorption Chiller.....	263,596.42	8,839.37
			For Two Stage Unit, Add	178,837.86	
23 64 13 16-0010	EA		500 Ton Packaged, Steam Driven, Water Cooled Absorption Chiller.....	295,184.66	9,096.84
			For Two Stage Unit, Add	200,784.20	
23 64 13 16-0011	EA		650 Ton Packaged, Steam Driven, Water Cooled Absorption Chiller.....	363,538.19	12,835.31
			For Two Stage Unit, Add	246,230.30	
23 64 13 16-0012	EA		750 Ton Packaged, Steam Driven, Water Cooled Absorption Chiller.....	396,035.29	14,951.78
			For Two Stage Unit, Add	267,617.67	
23 64 13 16-0013	EA		850 Ton Packaged, Steam Driven, Water Cooled Absorption Chiller.....	424,120.79	15,616.24
			For Two Stage Unit, Add	286,850.54	
23 64 13 16-0014	EA		950 Ton Packaged, Steam Driven, Water Cooled Absorption Chiller.....	453,272.31	15,819.32
			For Two Stage Unit, Add	307,234.54	
23 64 13 16-0015	EA		1,125 Ton Packaged, Steam Driven, Water Cooled Absorption Chiller.....	518,571.15	16,367.55
			For Two Stage Unit, Add	352,595.25	
23 64 13 16-0016	EA		1,250 Ton Packaged, Steam Driven, Water Cooled Absorption Chiller.....	567,168.58	16,868.58
			For Two Stage Unit, Add	386,294.94	
23 64 13 16-0017	EA		1,450 Ton Packaged, Steam Driven, Water Cooled Absorption Chiller.....	666,930.84	20,793.95
			For Two Stage Unit, Add	453,633.22	
23 64 13 16-0018	EA		1,700 Ton Packaged, Steam Driven, Water Cooled Absorption Chiller.....	779,039.95	21,895.67
			For Two Stage Unit, Add	531,409.28	
23 64 16			Centrifugal Water Chillers (23 64)		



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 64 16 16			Water-Cooled Centrifugal Water Chillers <small>(23 64 16)</small>		
23 64 16 16-0001			Packaged Water-Cooled Centrifugal Water Chillers <small>(23 64 16 16)</small>		
			Note: Includes integral heat exchanger, refrigerant monitor with scanner, audible alarm, and lights, 460 V motor, controls (water temperature controller with PE switches, flow switch, etc.), start-up, and closed transition starter. Rated by cooling capacity in tons. Units are factory assembled package type consisting of compressor, motor, cooler, condenser, internal piping and wiring, motor starters, insulation, purge unit, factory wired and installed control panel, gauges, lubrication system, refrigerant charge, oil, phase monitoring for 3 phase units, start-up costs and equipment rigging. Units greater than 20 tons include dual compressors. Excludes piping and power wiring.		
23 64 16 16-0002	EA		180 Ton Packaged Water-Cooled Centrifugal Water Chiller.....	118,374.66	5,724.91
			Note: Includes integral heat exchanger, controls, and 440/460 V motor.		
			<i>For 208/230 Volt Motor, Add</i>	<i>4,367.14</i>	
23 64 16 16-0003	EA		200 Ton Packaged Water-Cooled Centrifugal Water Chiller.....	129,313.12	5,869.90
			Note: Includes integral heat exchanger, controls, and 440/460 V motor.		
			<i>For 208/230 Volt Motor, Add</i>	<i>4,795.24</i>	
23 64 16 16-0004	EA		225 Ton Packaged Water-Cooled Centrifugal Water Chiller.....	142,526.75	6,019.11
			Note: Includes integral heat exchanger, controls, and 440/460 V motor.		
			<i>For 208/230 Volt Motor, Add</i>	<i>5,314.32</i>	
23 64 16 16-0005	EA		250 Ton Packaged Water-Cooled Centrifugal Water Chiller.....	155,445.13	6,260.42
			Note: Includes integral heat exchanger, controls, and 440/460 V motor.		
			<i>For 208/230 Volt Motor, Add</i>	<i>5,815.55</i>	
23 64 16 16-0006	EA		275 Ton Packaged Water-Cooled Centrifugal Water Chiller.....	168,097.61	6,613.92
			Note: Includes integral heat exchanger, controls, and 440/460 V motor.		
			<i>For 208/230 Volt Motor, Add</i>	<i>6,298.93</i>	
23 64 16 16-0007	EA		300 Ton Packaged Water-Cooled Centrifugal Water Chiller.....	180,288.30	6,957.79
			Note: Includes integral heat exchanger, controls, and 440/460 V motor.		
			<i>For 208/230 Volt Motor, Add</i>	<i>6,764.47</i>	
23 64 16 16-0008	EA		325 Ton Packaged Water-Cooled Centrifugal Water Chiller.....	192,092.07	7,339.28
			Note: Includes integral heat exchanger, controls, and 440/460 V motor.		
			<i>For 208/230 Volt Motor, Add</i>	<i>7,212.11</i>	
23 64 16 16-0009	EA		350 Ton Packaged Water-Cooled Centrifugal Water Chiller.....	203,419.58	7,701.21
			Note: Includes integral heat exchanger, controls, and 440/460 V motor.		
			<i>For 208/230 Volt Motor, Add</i>	<i>7,641.96</i>	
23 64 16 16-0010	EA		375 Ton Packaged Water-Cooled Centrifugal Water Chiller.....	214,248.40	8,031.22
			Note: Includes integral heat exchanger, controls, and 440/460 V motor.		
			<i>For 208/230 Volt Motor, Add</i>	<i>8,053.90</i>	
23 64 16 16-0011	EA		400 Ton Packaged Water-Cooled Centrifugal Water Chiller.....	224,519.49	8,291.81
			Note: Includes integral heat exchanger, controls, and 440/460 V motor.		
			<i>For 208/230 Volt Motor, Add</i>	<i>8,448.00</i>	
23 64 16 16-0012	EA		425 Ton Packaged Water-Cooled Centrifugal Water Chiller.....	234,585.60	8,702.61
			Note: Includes integral heat exchanger, controls, and 440/460 V motor.		
			<i>For 208/230 Volt Motor, Add</i>	<i>8,824.25</i>	
23 64 16 16-0013	EA		450 Ton Packaged Water-Cooled Centrifugal Water Chiller.....	244,085.16	9,038.34
			Note: Includes integral heat exchanger, controls, and 440/460 V motor.		
			<i>For 208/230 Volt Motor, Add</i>	<i>9,182.66</i>	
23 64 16 16-0014	EA		475 Ton Packaged Water-Cooled Centrifugal Water Chiller.....	253,131.50	9,369.77
			Note: Includes integral heat exchanger, controls, and 440/460 V motor.		
			<i>For 208/230 Volt Motor, Add</i>	<i>9,523.22</i>	
23 64 16 16-0015	EA		500 Ton Packaged Water-Cooled Centrifugal Water Chiller.....	261,611.70	9,626.43
			Note: Includes integral heat exchanger, controls, and 440/460 V motor.		
			<i>For 208/230 Volt Motor, Add</i>	<i>9,845.93</i>	
23 64 16 16-0016	EA		550 Ton Packaged Water-Cooled Centrifugal Water Chiller.....	276,955.92	9,967.79
			Note: Includes integral heat exchanger, controls, and 440/460 V motor.		
			<i>For 208/230 Volt Motor, Add</i>	<i>10,437.77</i>	
23 64 16 16-0017	EA		600 Ton Packaged Water-Cooled Centrifugal Water Chiller.....	290,315.25	10,184.53
			Note: Includes integral heat exchanger, controls, and 440/460 V motor.		
			<i>For 208/230 Volt Motor, Add</i>	<i>10,958.22</i>	
23 64 16 16-0018	EA		650 Ton Packaged Water-Cooled Centrifugal Water Chiller.....	302,349.18	10,687.94
			Note: Includes integral heat exchanger, controls, and 440/460 V motor.		
			<i>For 208/230 Volt Motor, Add</i>	<i>11,407.23</i>	
23 64 16 16-0019	EA		700 Ton Packaged Water-Cooled Centrifugal Water Chiller.....	312,610.63	11,198.96
			Note: Includes integral heat exchanger, controls, and 440/460 V motor.		
			<i>For 208/230 Volt Motor, Add</i>	<i>11,784.85</i>	
23 64 16 16-0020	EA		750 Ton Packaged Water-Cooled Centrifugal Water Chiller.....	321,172.50	11,761.17
			Note: Includes integral heat exchanger, controls, and 440/460 V motor.		
			<i>For 208/230 Volt Motor, Add</i>	<i>12,091.20</i>	
23 64 16 16-0021	EA		800 Ton Packaged Water-Cooled Centrifugal Water Chiller.....	341,106.50	12,328.59
			Note: Includes integral heat exchanger, controls, and 440/460 V motor.		
			<i>For 208/230 Volt Motor, Add</i>	<i>12,852.10</i>	
23 64 16 16-0022	EA		850 Ton Packaged Water-Cooled Centrifugal Water Chiller.....	360,900.18	12,894.21
			Note: Includes integral heat exchanger, controls, and 440/460 V motor.		
			<i>For 208/230 Volt Motor, Add</i>	<i>13,607.51</i>	
23 64 16 16-0023	EA		900 Ton Packaged Water-Cooled Centrifugal Water Chiller.....	380,641.28	13,514.11
			Note: Includes integral heat exchanger, controls, and 440/460 V motor.		
			<i>For 208/230 Volt Motor, Add</i>	<i>14,357.32</i>	
23 64 16 16-0024	EA		950 Ton Packaged Water-Cooled Centrifugal Water Chiller.....	400,341.74	14,196.63
			Note: Includes integral heat exchanger, controls, and 440/460 V motor.		
			<i>For 208/230 Volt Motor, Add</i>	<i>15,101.49</i>	
23 64 16 16-0025	EA		1,000 Ton Packaged Water-Cooled Centrifugal Water Chiller.....	419,352.45	14,694.40
			Note: Includes integral heat exchanger, controls, and 440/460 V motor.		
			<i>For 208/230 Volt Motor, Add</i>	<i>15,840.00</i>	
23 64 16 16-0026	EA		1,100 Ton Packaged Water-Cooled Centrifugal Water Chiller.....	455,188.78	16,955.14
			Note: Includes integral heat exchanger, controls, and 440/460 V motor.		
			<i>For 208/230 Volt Motor, Add</i>	<i>17,129.75</i>	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 60 Central Cooling Equipment****23 64 Packaged Water Chillers**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 64 16 16-0027 EA 1,200 Ton Packaged Water-Cooled Centrifugal Water Chiller..... Note: Includes integral heat exchanger, controls, and 440/460 V motor. <i>For 208/230 Volt Motor, Add</i>	489,699.71 18,366.06	19,222.32
23 64 16 16-0028 EA 1,300 Ton Packaged Water-Cooled Centrifugal Water Chiller..... Note: Includes integral heat exchanger, controls, and 440/460 V motor. <i>For 208/230 Volt Motor, Add</i>	522,187.65 19,548.83	21,058.85
23 64 16 16-0029 EA 1,400 Ton Packaged Water-Cooled Centrifugal Water Chiller..... Note: Includes integral heat exchanger, controls, and 440/460 V motor. <i>For 208/230 Volt Motor, Add</i>	552,215.37 20,678.06	22,189.61
23 64 16 16-0030 EA 1,500 Ton Packaged Water-Cooled Centrifugal Water Chiller..... Note: Includes integral heat exchanger, controls, and 440/460 V motor. <i>For 208/230 Volt Motor, Add</i>	580,842.12 21,753.60	23,283.40
23 64 16 16-0031 EA 1,600 Ton Packaged Water-Cooled Centrifugal Water Chiller..... Note: Includes integral heat exchanger, controls, and 440/460 V motor. <i>For 208/230 Volt Motor, Add</i>	607,477.77 22,776.12	23,958.33
23 64 16 16-0032 EA 1,700 Ton Packaged Water-Cooled Centrifugal Water Chiller..... Note: Includes integral heat exchanger, controls, and 440/460 V motor. <i>For 208/230 Volt Motor, Add</i>	634,354.83 23,744.95	25,629.79
23 64 16 16-0033 EA 1,800 Ton Packaged Water-Cooled Centrifugal Water Chiller..... Note: Includes integral heat exchanger, controls, and 440/460 V motor. <i>For 208/230 Volt Motor, Add</i>	659,223.90 24,660.24	26,880.02
23 64 16 16-0034 EA 1,900 Ton Packaged Water-Cooled Centrifugal Water Chiller..... Note: Includes integral heat exchanger, controls, and 440/460 V motor. <i>For 208/230 Volt Motor, Add</i>	683,345.43 25,521.99	28,502.11
23 64 16 16-0035 EA 2,000 Ton Packaged Water-Cooled Centrifugal Water Chiller..... Note: Includes integral heat exchanger, controls, and 440/460 V motor. <i>For 208/230 Volt Motor, Add</i>	705,171.01 26,330.30	29,520.06
23 64 16 16-0036 EA 2,250 Ton Packaged Water-Cooled Centrifugal Water Chiller..... Note: Includes integral heat exchanger, controls, and 440/460 V motor. <i>For 208/230 Volt Motor, Add</i>	750,691.46 28,117.00	31,191.03
23 64 16 16-0037 EA 2,500 Ton Packaged Water-Cooled Centrifugal Water Chiller..... Note: Includes integral heat exchanger, controls, and 440/460 V motor. <i>For 208/230 Volt Motor, Add</i>	791,776.02 29,569.32	33,062.45

23 64 19 Reciprocating Water Chillers (23 64)**23 64 19 00-0001 Packaged Water Cooled Reciprocating Water Chillers (23 64 19)**

Note: With reciprocation compressor integral heat exchanger. Rated by cooling capacity in tons. Units are factory assembled package type and include hermetic compressor, motor, cooler, condenser, internal piping, oil, discharge/suction gauges, lead lag switch, compressor unloaders, removable core filter drier with 3 valve bypass, sight glass, internal wiring, motor starters, insulation, fan cycling controls, standard oil hi/low safety control switches, operation and safety controls, factory wired and installed control panel, refrigerant charge, vibration eliminators, phase monitoring for 3 phase units, start-up costs and equipment rigging. Units greater than 20 tons include dual compressors. Excludes piping and power wiring.

23 64 19 00-0002 EA 15 Ton Packaged Water Cooled Reciprocating Water Chiller	17,949.52	1,647.95
23 64 19 00-0003 EA 20 Ton Packaged Water Cooled Reciprocating Water Chiller	21,115.55	1,944.12
23 64 19 00-0004 EA 25 Ton Packaged Water Cooled Reciprocating Water Chiller	23,587.21	2,002.86
23 64 19 00-0005 EA 30 Ton Packaged Water Cooled Reciprocating Water Chiller	26,249.74	2,198.73
23 64 19 00-0006 EA 40 Ton Packaged Water Cooled Reciprocating Water Chiller	31,697.94	2,673.28
23 64 19 00-0007 EA 50 Ton Packaged Water Cooled Reciprocating Water Chiller	35,892.26	2,929.65
23 64 19 00-0008 EA 60 Ton Packaged Water Cooled Reciprocating Water Chiller	37,252.86	3,236.89

23 64 23 Scroll Water Chillers (23 64)**23 64 23 00-0001 Packaged Air Cooled Scroll Water Chillers (23 64 23)**

Note: With integral heat exchanger. Rated by cooling capacity, tons. Units are factory assembled package type and include scroll compressor, motor, cooler, condenser, internal piping, oil, discharge/suction gauges, lead lag switch, compressor unloaders, removable core filter drier with 3-valve by-pass, sight glass, internal wiring, motor starters, insulation, fan cycling controls, standard oil hi/low safety control switches, operation and safety controls, factory wired and installed control panel, refrigerant charge, vibration eliminators, phase monitoring for 3 phase units, factory charge of refrigerant, start-up and equipment rigging. Units greater than 20 tons include dual compressors. Excludes piping and power wiring. Excludes crane and associated personnel.

23 64 23 00-0002 EA 10 Ton Packaged Air Cooled Scroll Water Chiller.....	15,730.47	1,616.95
23 64 23 00-0003 EA 15 Ton Packaged Air Cooled Scroll Water Chiller.....	22,699.12	1,637.69
23 64 23 00-0004 EA 18 Ton Packaged Air Cooled Scroll Water Chiller.....	24,750.70	1,751.70
23 64 23 00-0005 EA 22 Ton Packaged Air Cooled Scroll Water Chiller.....	27,193.09	1,876.09
23 64 23 00-0006 EA 25 Ton Packaged Air Cooled Scroll Water Chiller.....	27,699.14	2,000.46
23 64 23 00-0007 EA 30 Ton Packaged Air Cooled Scroll Water Chiller.....	29,255.66	2,145.58
23 64 23 00-0008 EA 40 Ton Packaged Air Cooled Scroll Water Chiller.....	33,360.65	2,321.78
23 64 23 00-0009 EA 45 Ton Packaged Air Cooled Scroll Water Chiller.....	35,837.73	2,518.72
23 64 23 00-0010 EA 50 Ton Packaged Air Cooled Scroll Water Chiller.....	37,800.97	2,591.28
23 64 23 00-0011 EA 55 Ton Packaged Air Cooled Scroll Water Chiller.....	39,478.39	2,705.29
23 64 23 00-0012 EA 60 Ton Packaged Air Cooled Scroll Water Chiller.....	40,806.10	2,798.58
23 64 23 00-0013 EA 70 Ton Packaged Air Cooled Scroll Water Chiller.....	47,023.85	3,150.99
23 64 23 00-0014 EA 80 Ton Packaged Air Cooled Scroll Water Chiller.....	50,662.53	3,451.58
23 64 23 00-0015 EA 90 Ton Packaged Air Cooled Scroll Water Chiller.....	51,545.06	3,461.94
23 64 23 00-0016 EA 100 Ton Packaged Air Cooled Scroll Water Chiller.....	54,403.87	3,472.31
23 64 23 00-0017 EA 110 Ton Packaged Air Cooled Scroll Water Chiller.....	57,182.88	3,482.68
23 64 23 00-0018 EA 120 Ton Packaged Air Cooled Scroll Water Chiller.....	59,996.39	3,493.04
23 64 23 00-0019 EA 130 Ton Packaged Air Cooled Scroll Water Chiller.....	62,958.63	3,503.40



	MINOR CSI UOM DESCRIPTION		TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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23 64 23 00-0020 Packaged Water Cooled Scroll Water Chillers (23 64 23)

Note: Integral heat exchanger. Rated by cooling capacity in tons. Units are factory assembled package type and include hermetic compressor, motor, cooler, condenser, internal piping, oil, discharge/suction gauges, lead lag switch, compressor unloaders, removable core filter drier with 3 valve by-pass, sight glass, internal wiring, motor starters, insulation, fan cycling controls, standard oil hi/low safety control switches, operation and safety controls, factory wired and installed control panel, refrigerant charge, vibration eliminators, phase monitoring for 3 phase units, start-up costs and equipment rigging. Units greater than 20 tons include dual compressors. Excludes piping and power wiring.

23 64 23 00-0021	EA	20 Ton Packaged Water Cooled Scroll Water Chiller.....	33,982.28	1,944.12
23 64 23 00-0022	EA	25 Ton Packaged Water Cooled Scroll Water Chiller.....	39,140.38	2,002.86
23 64 23 00-0023	EA	30 Ton Packaged Water Cooled Scroll Water Chiller.....	43,425.46	2,198.73
23 64 23 00-0024	EA	40 Ton Packaged Water Cooled Scroll Water Chiller.....	53,198.18	2,673.28
23 64 23 00-0025	EA	50 Ton Packaged Water Cooled Scroll Water Chiller.....	58,857.51	2,929.65
23 64 23 00-0026	EA	60 Ton Packaged Water Cooled Scroll Water Chiller.....	61,809.98	3,236.89

23 64 26 Rotary-Screw Water Chillers (23 64)

23 64 26 00-0001 Packaged Air Cooled Rotary-Screw Water Chillers (23 64 26)

Note: Includes hermetic direct-drive compressors start-up, coil guards, copper fins, copper tubes, factory wired and installed control panel, refrigerant monitor with scanner, audible alarm, and lights, phase monitoring for 3 phase units, 440/460 V motor, motor starters, factory charge of refrigerant and equipment rigging. Units greater than 20 tons include dual compressors. Excludes crane and associated personnel.

23 64 26 00-0002	EA	70 Ton Packaged Air Cooled Rotary-Screw Water Chiller.....	89,876.27	3,969.83
		<i>For Aluminum Fins Instead Of Copper, Deduct</i>	-1,258.90	
		<i>For 208/230 Volt Motor, Add</i>	3,357.07	
23 64 26 00-0003	EA	80 Ton Packaged Air Cooled Rotary-Screw Water Chiller.....	96,598.61	4,311.89
		<i>For Aluminum Fins Instead Of Copper, Deduct</i>	-1,352.12	
		<i>For 208/230 Volt Motor, Add</i>	3,605.65	
23 64 26 00-0004	EA	90 Ton Packaged Air Cooled Rotary-Screw Water Chiller.....	101,610.67	4,498.45
		<i>For Aluminum Fins Instead Of Copper, Deduct</i>	-1,422.94	
		<i>For 208/230 Volt Motor, Add</i>	3,794.52	
23 64 26 00-0005	EA	100 Ton Packaged Air Cooled Rotary-Screw Water Chiller.....	105,385.26	4,840.51
		<i>For Aluminum Fins Instead Of Copper, Deduct</i>	-1,471.95	
		<i>For 208/230 Volt Motor, Add</i>	3,925.19	
23 64 26 00-0006	EA	110 Ton Packaged Air Cooled Rotary-Screw Water Chiller.....	113,088.35	5,078.90
		<i>For Aluminum Fins Instead Of Copper, Deduct</i>	-1,582.21	
		<i>For 208/230 Volt Motor, Add</i>	4,219.21	
23 64 26 00-0007	EA	120 Ton Packaged Air Cooled Rotary-Screw Water Chiller.....	120,152.97	5,182.55
		<i>For Aluminum Fins Instead Of Copper, Deduct</i>	-1,685.69	
		<i>For 208/230 Volt Motor, Add</i>	4,495.17	
23 64 26 00-0008	EA	130 Ton Packaged Air Cooled Rotary-Screw Water Chiller.....	126,821.51	5,358.76
		<i>For Aluminum Fins Instead Of Copper, Deduct</i>	-1,781.83	
		<i>For 208/230 Volt Motor, Add</i>	4,751.54	
23 64 26 00-0009	EA	140 Ton Packaged Air Cooled Rotary-Screw Water Chiller.....	130,871.26	5,472.78
		<i>For Aluminum Fins Instead Of Copper, Deduct</i>	-1,839.93	
		<i>For 208/230 Volt Motor, Add</i>	4,906.48	
23 64 26 00-0010	EA	160 Ton Packaged Air Cooled Rotary-Screw Water Chiller.....	138,171.56	5,586.80
		<i>For Aluminum Fins Instead Of Copper, Deduct</i>	-1,946.79	
		<i>For 208/230 Volt Motor, Add</i>	5,191.45	
23 64 26 00-0011	EA	170 Ton Packaged Air Cooled Rotary-Screw Water Chiller.....	144,218.40	5,763.00
		<i>For Aluminum Fins Instead Of Copper, Deduct</i>	-2,033.61	
		<i>For 208/230 Volt Motor, Add</i>	5,422.96	
23 64 26 00-0012	EA	180 Ton Packaged Air Cooled Rotary-Screw Water Chiller.....	152,068.66	5,991.03
		<i>For Aluminum Fins Instead Of Copper, Deduct</i>	-2,146.23	
		<i>For 208/230 Volt Motor, Add</i>	5,723.28	
23 64 26 00-0013	EA	200 Ton Packaged Air Cooled Rotary-Screw Water Chiller.....	158,939.64	6,115.42
		<i>For Aluminum Fins Instead Of Copper, Deduct</i>	-2,246.65	
		<i>For 208/230 Volt Motor, Add</i>	5,991.08	
23 64 26 00-0014	EA	215 Ton Packaged Air Cooled Rotary-Screw Water Chiller.....	170,338.75	6,219.06
		<i>For Aluminum Fins Instead Of Copper, Deduct</i>	-2,415.15	
		<i>For 208/230 Volt Motor, Add</i>	6,440.41	
23 64 26 00-0015	EA	225 Ton Packaged Air Cooled Rotary-Screw Water Chiller.....	177,910.51	6,281.25
		<i>For Aluminum Fins Instead Of Copper, Deduct</i>	-2,527.48	
		<i>For 208/230 Volt Motor, Add</i>	6,739.96	
23 64 26 00-0016	EA	240 Ton Packaged Air Cooled Rotary-Screw Water Chiller.....	185,482.26	6,333.08
		<i>For Aluminum Fins Instead Of Copper, Deduct</i>	-2,639.82	
		<i>For 208/230 Volt Motor, Add</i>	7,039.51	
23 64 26 00-0017	EA	260 Ton Packaged Air Cooled Rotary-Screw Water Chiller.....	208,135.38	6,457.46
		<i>For Aluminum Fins Instead Of Copper, Deduct</i>	-2,976.82	
		<i>For 208/230 Volt Motor, Add</i>	7,938.17	
23 64 26 00-0018	EA	280 Ton Packaged Air Cooled Rotary-Screw Water Chiller.....	219,544.85	6,581.85
		<i>For Aluminum Fins Instead Of Copper, Deduct</i>	-3,145.31	
		<i>For 208/230 Volt Motor, Add</i>	8,387.51	
23 64 26 00-0019	EA	300 Ton Packaged Air Cooled Rotary-Screw Water Chiller.....	234,688.38	6,685.50
		<i>For Aluminum Fins Instead Of Copper, Deduct</i>	-3,369.98	
		<i>For 208/230 Volt Motor, Add</i>	8,986.61	
23 64 26 00-0020	EA	325 Ton Packaged Air Cooled Rotary-Screw Water Chiller.....	257,320.75	6,799.51
		<i>For Aluminum Fins Instead Of Copper, Deduct</i>	-3,706.98	
		<i>For 208/230 Volt Motor, Add</i>	9,885.27	
23 64 26 00-0021	EA	350 Ton Packaged Air Cooled Rotary-Screw Water Chiller.....	280,466.68	6,882.43
		<i>For Aluminum Fins Instead Of Copper, Deduct</i>	-4,052.15	
		<i>For 208/230 Volt Motor, Add</i>	10,805.72	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 60 Central Cooling Equipment****23 64 Packaged Water Chillers**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST**23 64 26 00-0022****Packaged Water Cooled Helical Rotary Water Chillers** ^(23 64 26)

Note: Integral heat exchanger. Rated by cooling capacity in tons. Factory assembled package type includes semi-hermetic compressor, motor, cooler, condenser, internal piping, oil, discharge/suction gages, lead-lag switch, compressor unloaders, removable core filter dryer, 3-valve by-pass, sight glass, internal wiring, motor starters, insulation, standard oil hi/low safety control switches, operation and safety controls, factory wired and installed control panel, full factory refrigerant charge, vibration eliminators, NEMA 1 flow switches, wye-delta starter, extended warranty on compressor(s), start-up costs and equipment rigging. Excludes piping and power wiring.

23 64 26 00-0023	EA	70 Ton Packaged Water Cooled Helical Rotary Water Chiller	66,369.26	4,515.31
23 64 26 00-0024	EA	80 Ton Packaged Water Cooled Helical Rotary Water Chiller	72,067.52	4,690.91
23 64 26 00-0025	EA	90 Ton Packaged Water Cooled Helical Rotary Water Chiller	77,015.08	4,816.33
23 64 26 00-0026	EA	100 Ton Packaged Water Cooled Helical Rotary Water Chiller	81,310.87	5,019.52
23 64 26 00-0027	EA	110 Ton Packaged Water Cooled Helical Rotary Water Chiller	85,586.51	5,157.49
23 64 26 00-0028	EA	125 Ton Packaged Water Cooled Helical Rotary Water Chiller	90,796.20	5,302.28
23 64 26 00-0029	EA	130 Ton Packaged Water Cooled Helical Rotary Water Chiller	93,129.04	5,450.48
23 64 26 00-0030	EA	150 Ton Packaged Water Cooled Helical Rotary Water Chiller	100,869.13	5,597.98
23 64 26 00-0031	EA	175 Ton Packaged Water Cooled Helical Rotary Water Chiller	108,393.34	5,736.55
23 64 26 00-0032	EA	190 Ton Packaged Water Cooled Helical Rotary Water Chiller	112,102.29	6,023.42
23 64 26 00-0033	EA	200 Ton Packaged Water Cooled Helical Rotary Water Chiller	114,260.69	6,313.91
23 64 26 00-0034	EA	210 Ton Packaged Water Cooled Helical Rotary Water Chiller	115,817.40	6,449.06
23 64 26 00-0035	EA	235 Ton Packaged Water Cooled Helical Rotary Water Chiller	125,808.77	6,590.14
23 64 26 00-0036	EA	255 Ton Packaged Water Cooled Helical Rotary Water Chiller	133,647.26	6,891.76
23 64 26 00-0037	EA	275 Ton Packaged Water Cooled Helical Rotary Water Chiller	141,062.15	7,170.71
23 64 26 00-0038	EA	300 Ton Packaged Water Cooled Helical Rotary Water Chiller	149,687.15	7,454.77
23 64 26 00-0039	EA	350 Ton Packaged Water Cooled Helical Rotary Water Chiller	164,325.78	8,115.51
23 64 26 00-0040	EA	400 Ton Packaged Water Cooled Helical Rotary Water Chiller	176,341.58	8,926.27
23 64 26 00-0041	EA	450 Ton Packaged Water Cooled Helical Rotary Water Chiller	185,748.81	9,819.29

23 65 Cooling Towers ^(23 60)**23 65 00 00-0001****Induced Draft Axial Single Flow Propeller Type Cooling Towers** ^(23 65)

Note: Includes internal piping, fan, motor, vibration switch, start-up costs and equipment rigging. Excludes motor starter, piping or power wiring. Rated by cooling capacity in tons. Based on design water temperature 95 degree F in, 85 degree F out 78 degree F wet bulb. 3 GPM/ton. Excludes crane and associated personnel.

23 65 00 00-0002	EA	10 Ton Induced Draft Axial Single Flow Propeller Type Cooling Tower	6,246.80	1,160.90
23 65 00 00-0003	EA	20 Ton Induced Draft Axial Single Flow Propeller Type Cooling Tower	7,334.92	1,254.18
23 65 00 00-0004	EA	30 Ton Induced Draft Axial Single Flow Propeller Type Cooling Tower	8,715.51	1,409.66
23 65 00 00-0005	EA	40 Ton Induced Draft Axial Single Flow Propeller Type Cooling Tower	9,666.63	1,554.77
23 65 00 00-0006	EA	50 Ton Induced Draft Axial Single Flow Propeller Type Cooling Tower	11,382.28	1,720.61
23 65 00 00-0007	EA	60 Ton Induced Draft Axial Single Flow Propeller Type Cooling Tower	13,155.67	1,855.35
23 65 00 00-0008	EA	75 Ton Induced Draft Axial Single Flow Propeller Type Cooling Tower	15,085.35	2,104.12
23 65 00 00-0009	EA	100 Ton Induced Draft Axial Single Flow Propeller Type Cooling Tower	18,918.64	2,643.10
23 65 00 00-0010	EA	125 Ton Induced Draft Axial Single Flow Propeller Type Cooling Tower	20,673.51	2,954.06
23 65 00 00-0011	EA	150 Ton Induced Draft Axial Single Flow Propeller Type Cooling Tower	30,831.62	3,327.20
23 65 00 00-0012	EA	200 Ton Induced Draft Axial Single Flow Propeller Type Cooling Tower	37,387.63	4,156.41
23 65 00 00-0013	EA	300 Ton Induced Draft Axial Single Flow Propeller Type Cooling Tower	49,279.00	6,820.24

23 65 00 00-0014**Induced Draft Double Flow Propeller Type Packaged Cooling Towers** ^(23 65)

Note: 3 GPM/ton draft. Includes internal piping, fan, 2-speed motor, vibration switch, start-up costs and equipment rigging. Excludes motor starter, piping and power wiring. Excludes crane and associated personnel.

23 65 00 00-0015	EA	100 Ton Induced Draft Double Flow Propeller Type Packaged Cooling Tower	18,918.64	2,643.10
23 65 00 00-0016	EA	150 Ton Induced Draft Double Flow Propeller Type Packaged Cooling Tower	25,081.63	3,327.20
23 65 00 00-0017	EA	200 Ton Induced Draft Double Flow Propeller Type Packaged Cooling Tower	31,821.91	4,156.41
23 65 00 00-0018	EA	250 Ton Induced Draft Double Flow Propeller Type Packaged Cooling Tower	37,932.07	5,203.28
23 65 00 00-0019	EA	300 Ton Induced Draft Double Flow Propeller Type Packaged Cooling Tower	45,478.24	6,820.24
23 65 00 00-0020	EA	350 Ton Induced Draft Double Flow Propeller Type Packaged Cooling Tower	50,738.58	7,680.54
23 65 00 00-0021	EA	400 Ton Induced Draft Double Flow Propeller Type Packaged Cooling Tower	56,495.91	8,426.83
23 65 00 00-0022	EA	450 Ton Induced Draft Double Flow Propeller Type Packaged Cooling Tower	63,894.82	9,338.96
23 65 00 00-0023	EA	500 Ton Induced Draft Double Flow Propeller Type Packaged Cooling Tower	71,805.68	10,126.71
23 65 00 00-0024	EA	550 Ton Induced Draft Double Flow Propeller Type Packaged Cooling Tower	76,720.44	10,676.06
23 65 00 00-0025	EA	600 Ton Induced Draft Double Flow Propeller Type Packaged Cooling Tower	82,011.39	10,966.29
23 65 00 00-0026	EA	700 Ton Induced Draft Double Flow Propeller Type Packaged Cooling Tower	92,179.06	11,339.43
23 65 00 00-0027	EA	800 Ton Induced Draft Double Flow Propeller Type Packaged Cooling Tower	101,138.22	12,500.32
23 65 00 00-0028	EA	900 Ton Induced Draft Double Flow Propeller Type Packaged Cooling Tower	111,710.17	13,764.86

23 65 00 00-0029**Induced Draft Crossflow Film Filled Propeller Type Cooling Towers** ^(23 65)

Note: Galvanized Steel. Includes fan, 2-speed motor, geared speed reducer, louvers, drift eliminators, hot water distribution system, cold water collection basin, float valve and access door, vibration switch, start-up costs and equipment rigging. Excludes motor starter, piping and power wiring. Excludes crane and associated personnel.

23 65 00 00-0030	EA	10 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	5,411.09	1,160.90
		<i>For Polymer Coating Over Galvanized Components, Add</i>	550.46	
23 65 00 00-0031	EA	15 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	5,794.06	1,181.62
		<i>For Polymer Coating Over Galvanized Components, Add</i>	604.80	
23 65 00 00-0032	EA	20 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	6,306.41	1,285.27
		<i>For Polymer Coating Over Galvanized Components, Add</i>	656.78	
23 65 00 00-0033	EA	25 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	7,281.70	1,347.47
		<i>For Polymer Coating Over Galvanized Components, Add</i>	789.08	
23 65 00 00-0034	EA	30 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	8,178.23	1,409.66
		<i>For Polymer Coating Over Galvanized Components, Add</i>	909.56	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 65 00 00-0035 EA 35 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower..... <i>For Polymer Coating Over Galvanized Components, Add</i>	9,064.00 1,025.33	1,482.21
23 65 00 00-0036 EA 40 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower..... <i>For Polymer Coating Over Galvanized Components, Add</i>	9,876.40 1,131.64	1,554.77
23 65 00 00-0037 EA 45 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower..... <i>For Polymer Coating Over Galvanized Components, Add</i>	10,777.92 1,249.76	1,637.69
23 65 00 00-0038 EA 50 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower..... <i>For Polymer Coating Over Galvanized Components, Add</i>	11,668.66 1,363.16	1,720.61
23 65 00 00-0039 EA 60 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower..... <i>For Polymer Coating Over Galvanized Components, Add</i>	13,393.35 1,592.33	1,855.35
23 65 00 00-0040 EA 70 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower..... <i>For Polymer Coating Over Galvanized Components, Add</i>	15,264.77 1,840.39	2,000.46
23 65 00 00-0041 EA 75 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower..... <i>For Polymer Coating Over Galvanized Components, Add</i>	16,150.13 1,951.43	2,104.12
23 65 00 00-0042 EA 80 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower..... <i>For Polymer Coating Over Galvanized Components, Add</i>	17,159.87 2,062.46	2,280.32
23 65 00 00-0043 EA 90 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower..... <i>For Polymer Coating Over Galvanized Components, Add</i>	17,933.36 2,138.06	2,456.53
23 65 00 00-0044 EA 100 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower..... <i>For Polymer Coating Over Galvanized Components, Add</i>	19,401.19 2,272.73	2,643.10
23 65 00 00-0045 EA 125 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower..... <i>For Polymer Coating Over Galvanized Components, Add</i>	20,323.97 2,336.51	2,954.06
23 65 00 00-0046 EA 150 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower..... <i>For Polymer Coating Over Galvanized Components, Add</i>	23,539.65 2,728.69	3,327.20
23 65 00 00-0047 EA 175 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower..... <i>For Polymer Coating Over Galvanized Components, Add</i>	26,040.78 3,007.46	3,731.44
23 65 00 00-0048 EA 200 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower..... <i>For Polymer Coating Over Galvanized Components, Add</i>	27,559.63 3,132.68	4,156.41
23 65 00 00-0049 EA 225 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower..... <i>For Polymer Coating Over Galvanized Components, Add</i>	31,780.07 3,638.25	4,685.02
23 65 00 00-0050 EA 250 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower..... <i>For Polymer Coating Over Galvanized Components, Add</i>	34,887.65 3,978.45	5,203.28
23 65 00 00-0051 EA 275 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower..... <i>For Polymer Coating Over Galvanized Components, Add</i>	37,687.06 4,169.81	6,156.88
23 65 00 00-0052 EA 300 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower..... <i>For Polymer Coating Over Galvanized Components, Add</i>	40,781.04 4,472.21	6,820.24
23 65 00 00-0053 EA 350 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower..... <i>For Polymer Coating Over Galvanized Components, Add</i>	46,538.09 5,128.99	7,680.54
23 65 00 00-0054 EA 400 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower..... <i>For Polymer Coating Over Galvanized Components, Add</i>	51,273.83 5,660.55	8,426.83
23 65 00 00-0055 EA 450 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower..... <i>For Polymer Coating Over Galvanized Components, Add</i>	56,688.56 6,253.54	9,338.96
23 65 00 00-0056 EA 500 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower..... <i>For Polymer Coating Over Galvanized Components, Add</i>	61,743.47 6,820.54	10,126.71
23 65 00 00-0057 EA 600 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower..... <i>For Polymer Coating Over Galvanized Components, Add</i>	70,178.43 7,883.66	10,966.29
23 65 00 00-0058 EA 700 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower..... <i>For Polymer Coating Over Galvanized Components, Add</i>	77,920.02 9,020.03	11,339.43
23 65 00 00-0059 EA 800 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower..... <i>For Polymer Coating Over Galvanized Components, Add</i>	86,989.28 10,106.78	12,500.32
23 65 00 00-0060 EA 900 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower..... <i>For Polymer Coating Over Galvanized Components, Add</i>	95,877.89 11,141.55	13,764.86
23 65 00 00-0061 EA 1,000 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower..... <i>For Polymer Coating Over Galvanized Components, Add</i>	104,715.59 12,126.71	15,215.98
23 65 00 00-0062 EA 1,100 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower..... <i>For Polymer Coating Over Galvanized Components, Add</i>	114,166.36 13,371.75	15,951.91
23 65 00 00-0063 EA 1,200 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower..... <i>For Polymer Coating Over Galvanized Components, Add</i>	123,271.47 14,574.26	16,636.01
23 65 00 00-0064 EA 1,300 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower..... <i>For Polymer Coating Over Galvanized Components, Add</i>	131,353.56 15,450.75	18,066.38
23 65 00 00-0065 EA 1,400 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower..... <i>For Polymer Coating Over Galvanized Components, Add</i>	139,270.78 16,277.63	19,600.42
23 65 00 00-0066 EA 1,500 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower..... <i>For Polymer Coating Over Galvanized Components, Add</i>	146,991.99 17,054.89	21,217.36
23 65 00 00-0067 EA 1,600 Ton Induced Draft Cooling Tower..... <i>For Polymer Coating Over Galvanized Components, Add</i>	154,091.81 17,777.81	22,678.85
23 65 00 00-0068 EA 1,700 Ton Induced Draft Cooling Tower..... <i>For Polymer Coating Over Galvanized Components, Add</i>	161,187.18 18,448.76	24,347.63
23 65 00 00-0069 EA 1,800 Ton Induced Draft Cooling Tower..... <i>For Polymer Coating Over Galvanized Components, Add</i>	168,366.37 19,070.10	26,275.55
23 65 00 00-0070 EA 1,900 Ton Induced Draft Cooling Tower..... <i>For Polymer Coating Over Galvanized Components, Add</i>	175,173.02 19,637.10	28,203.45
23 65 00 00-0071 EA 2,000 Ton Induced Draft Cooling Tower..... <i>For Polymer Coating Over Galvanized Components, Add</i>	182,747.59 20,154.49	30,836.20
23 65 00 00-0072 Draw-Thru Fiberglass Packaged Propeller Type Cooling Towers <small>(23 65)</small> Note: Includes internal piping, fan, 2-speed motor, vibration switch, start-up costs and equipment rigging. Excludes motor starter, piping and power wiring. Rated by cooling capacity in tons. Based on design water temperature 95 degree F in, 85 degree F out 78 degree F wet bulb. 3 GPM/ton. Excludes crane and associated personnel.		
23 65 00 00-0073 EA 5 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower.....	2,366.45	642.64
23 65 00 00-0074 EA 8 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower.....	2,690.22	798.11
23 65 00 00-0075 EA 10 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower.....	3,213.19	901.76
23 65 00 00-0076 EA 15 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower.....	3,690.08	984.69

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 60 Central Cooling Equipment****23 65 Cooling Towers**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 65 00 00-0077 EA 20 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower	4,699.45	1,067.61
23 65 00 00-0078 EA 25 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower	5,042.44	1,171.26
23 65 00 00-0079 EA 30 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower	5,725.77	1,523.67
23 65 00 00-0080 EA 40 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower	6,518.75	1,388.92
23 65 00 00-0081 EA 50 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower	7,365.07	1,596.23
23 65 00 00-0082 EA 60 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower	8,315.29	1,782.80
23 65 00 00-0083 EA 70 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower	9,570.15	1,969.37
23 65 00 00-0084 EA 80 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower	11,160.98	2,497.99
23 65 00 00-0085 EA 100 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower	13,104.59	2,819.31
23 65 00 00-0086 EA 125 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower	15,899.63	3,130.26
23 65 00 00-0087 EA 150 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower	17,468.40	3,285.74
23 65 00 00-0088 EA 175 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower	20,579.30	3,430.85
23 65 00 00-0089 EA 200 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower	22,570.92	3,586.33
23 65 00 00-0090 EA 225 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower	24,499.68	3,741.80
23 65 00 00-0091 EA 250 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower	26,576.85	4,042.39
23 65 00 00-0092 EA 300 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower	30,786.36	4,508.82
23 65 00 00-0093 EA 350 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower	34,815.88	4,985.62
23 65 00 00-0094 EA 400 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower	39,404.18	5,908.11
23 65 00 00-0095 EA 500 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower	47,463.22	6,861.71
23 65 00 00-0096 EA 600 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower	54,096.08	7,442.15
23 65 00 00-0097 EA 700 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower	60,910.54	8,426.83
23 65 00 00-0098 EA 800 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower	67,189.63	9,421.88
23 65 00 00-0099 EA 1,000 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower	79,186.58	10,416.93

23 65 00 00-0100 Stainless Steel Packaged Propeller Type Cooling Towers (23 65)

Note: Including internal piping, fan, motor, vibration switch, start-up costs and equipment rigging. Excludes motor starter, piping or power wiring. Rated by cooling capacity in tons. Based on design water temperature 95 degree F in, 85 degree F out 79 degree F wet Bulb. 3 GPM/ton.

23 65 00 00-0101 Draw-Thru Stainless Steel Propeller Type Cooling Towers (23 65 00 00-0100)

Note: Excludes crane and associated personnel.

23 65 00 00-0102 EA 50 Ton Draw-Thru Stainless Steel Propeller Type Cooling Tower	14,194.69	1,720.61
23 65 00 00-0103 EA 75 Ton Draw-Thru Stainless Steel Propeller Type Cooling Tower	19,844.53	2,104.12
23 65 00 00-0104 EA 100 Ton Draw-Thru Stainless Steel Propeller Type Cooling Tower	23,731.64	2,643.10
23 65 00 00-0105 EA 125 Ton Draw-Thru Stainless Steel Propeller Type Cooling Tower	26,858.82	2,954.06
23 65 00 00-0106 EA 150 Ton Draw-Thru Stainless Steel Propeller Type Cooling Tower	29,552.44	3,327.20
23 65 00 00-0107 EA 200 Ton Draw-Thru Stainless Steel Propeller Type Cooling Tower	35,601.26	4,156.41
23 65 00 00-0108 EA 250 Ton Draw-Thru Stainless Steel Propeller Type Cooling Tower	42,217.66	5,203.28
23 65 00 00-0109 EA 300 Ton Draw-Thru Stainless Steel Propeller Type Cooling Tower	50,704.84	6,820.24
23 65 00 00-0110 EA 350 Ton Draw-Thru Stainless Steel Propeller Type Cooling Tower	55,722.16	7,680.54
23 65 00 00-0111 EA 400 Ton Draw-Thru Stainless Steel Propeller Type Cooling Tower	62,887.25	8,426.83
23 65 00 00-0112 EA 500 Ton Draw-Thru Stainless Steel Propeller Type Cooling Tower	73,263.27	10,126.71
23 65 00 00-0113 EA 600 Ton Draw-Thru Stainless Steel Propeller Type Cooling Tower	82,237.01	10,966.29
23 65 00 00-0114 EA 750 Ton Draw-Thru Stainless Steel Propeller Type Cooling Tower	100,398.07	11,919.87
23 65 00 00-0115 EA 1,000 Ton Draw-Thru Stainless Steel Propeller Type Cooling Tower	127,120.14	15,050.14

23 65 00 00-0116 Induced Draft Crossflow Stainless Steel Propeller Type Cooling Towers (23 65

00 00-0100)

Note: Excludes crane and associated personnel.

23 65 00 00-0117 EA 100 Ton Induced Draft Crossflow Stainless Steel Propeller Type Cooling Tower	32,594.09	2,643.10
For Induced Draft Counter Flow Type, Add	1,417.22	
23 65 00 00-0118 EA 125 Ton Induced Draft Crossflow Stainless Steel Propeller Type Cooling Tower	36,899.56	2,933.32
For Induced Draft Counter Flow Type, Add	1,607.62	
23 65 00 00-0119 EA 150 Ton Induced Draft Crossflow Stainless Steel Propeller Type Cooling Tower	40,427.19	3,327.20
For Induced Draft Counter Flow Type, Add	1,753.94	
23 65 00 00-0120 EA 200 Ton Induced Draft Crossflow Stainless Steel Propeller Type Cooling Tower	45,397.14	4,156.41
For Induced Draft Counter Flow Type, Add	1,936.10	
23 65 00 00-0121 EA 250 Ton Induced Draft Crossflow Stainless Steel Propeller Type Cooling Tower	51,923.02	5,203.28
For Induced Draft Counter Flow Type, Add	2,177.92	
23 65 00 00-0122 EA 300 Ton Induced Draft Crossflow Stainless Steel Propeller Type Cooling Tower	60,465.11	6,820.24
For Induced Draft Counter Flow Type, Add	2,474.94	
23 65 00 00-0123 EA 350 Ton Induced Draft Crossflow Stainless Steel Propeller Type Cooling Tower	66,123.52	7,680.54
For Induced Draft Counter Flow Type, Add	2,688.93	
23 65 00 00-0124 EA 400 Ton Induced Draft Crossflow Stainless Steel Propeller Type Cooling Tower	71,595.36	8,426.83
For Induced Draft Counter Flow Type, Add	2,902.93	
23 65 00 00-0125 EA 500 Ton Induced Draft Crossflow Stainless Steel Propeller Type Cooling Tower	83,041.35	10,126.71
For Induced Draft Counter Flow Type, Add	3,338.41	
23 65 00 00-0126 EA 600 Ton Induced Draft Crossflow Stainless Steel Propeller Type Cooling Tower	93,322.36	10,966.29
For Induced Draft Counter Flow Type, Add	3,785.08	
23 65 00 00-0127 EA 750 Ton Induced Draft Crossflow Stainless Steel Propeller Type Cooling Tower	114,244.18	11,919.87
For Induced Draft Counter Flow Type, Add	4,727.52	
23 65 00 00-0128 EA 1,000 Ton Induced Draft Crossflow Stainless Steel Propeller Type Cooling Tower	147,230.87	15,215.98
For Induced Draft Counter Flow Type, Add	6,168.00	

23 65 00 00-0129 Belt Driven Stainless Steel Propeller Type Cooling Towers (23 65 00 00-0100)

Note: Excludes crane and associated personnel.

23 65 00 00-0130 EA 100 Ton Belt Driven Stainless Steel Propeller Type Cooling Tower	24,608.69	2,643.10
23 65 00 00-0131 EA 125 Ton Belt Driven Stainless Steel Propeller Type Cooling Tower	26,722.29	2,954.06
23 65 00 00-0132 EA 150 Ton Belt Driven Stainless Steel Propeller Type Cooling Tower	28,941.03	3,327.20
23 65 00 00-0133 EA 200 Ton Belt Driven Stainless Steel Propeller Type Cooling Tower	34,445.22	4,156.41



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 65 00 00-0134 EA 250 Ton Belt Driven Stainless Steel Propeller Type Cooling Tower	38,598.18	5,203.28
23 65 00 00-0135 Blow-Thru Centrifugal Fan Type Cooling Towers ^(23 65)		
Note: Including 2-speed motor internal piping, vibration switch, start-up costs and equipment rigging. Excludes motor starter, piping and power wiring. Rated by cooling capacity in tons. Design temperature 95 degree F in, 85 degree F out. Excludes crane and associated personnel.		
23 65 00 00-0136 EA 50 Ton Blow-Thru Centrifugal Fan Type Cooling Tower	11,906.17	1,720.61
For Stainless Steel Cooling Tower, Add	5,595.16	
23 65 00 00-0137 EA 75 Ton Blow-Thru Centrifugal Fan Type Cooling Tower	16,237.91	2,104.12
For Stainless Steel Cooling Tower, Add	7,858.37	
23 65 00 00-0138 EA 100 Ton Blow-Thru Centrifugal Fan Type Cooling Tower	20,490.32	2,643.10
For Stainless Steel Cooling Tower, Add	9,744.38	
23 65 00 00-0139 EA 125 Ton Blow-Thru Centrifugal Fan Type Cooling Tower	23,567.39	2,954.06
For Stainless Steel Cooling Tower, Add	11,292.10	
23 65 00 00-0140 EA 150 Ton Blow-Thru Centrifugal Fan Type Cooling Tower	26,902.78	3,327.20
For Stainless Steel Cooling Tower, Add	12,932.63	
23 65 00 00-0141 EA 175 Ton Blow-Thru Centrifugal Fan Type Cooling Tower	30,239.71	3,731.44
For Stainless Steel Cooling Tower, Add	14,549.21	
23 65 00 00-0142 EA 200 Ton Blow-Thru Centrifugal Fan Type Cooling Tower	33,917.47	4,156.41
For Stainless Steel Cooling Tower, Add	16,345.40	
23 65 00 00-0143 EA 225 Ton Blow-Thru Centrifugal Fan Type Cooling Tower	37,162.34	4,685.02
For Stainless Steel Cooling Tower, Add	17,782.36	
23 65 00 00-0144 EA 250 Ton Blow-Thru Centrifugal Fan Type Cooling Tower	40,556.51	5,203.28
For Stainless Steel Cooling Tower, Add	19,315.12	
23 65 00 00-0145 EA 275 Ton Blow-Thru Centrifugal Fan Type Cooling Tower	44,714.60	6,156.88
For Stainless Steel Cooling Tower, Add	20,895.77	
23 65 00 00-0146 EA 300 Ton Blow-Thru Centrifugal Fan Type Cooling Tower	48,686.45	6,820.24
For Stainless Steel Cooling Tower, Add	22,632.10	
23 65 00 00-0147 EA 325 Ton Blow-Thru Centrifugal Fan Type Cooling Tower	51,324.86	7,255.58
For Stainless Steel Cooling Tower, Add	23,829.56	
23 65 00 00-0148 EA 350 Ton Blow-Thru Centrifugal Fan Type Cooling Tower	54,405.82	7,680.54
For Stainless Steel Cooling Tower, Add	25,236.59	
23 65 00 00-0149 EA 375 Ton Blow-Thru Centrifugal Fan Type Cooling Tower	57,352.03	8,053.69
For Stainless Steel Cooling Tower, Add	26,643.61	
23 65 00 00-0150 EA 400 Ton Blow-Thru Centrifugal Fan Type Cooling Tower	60,687.03	8,426.83
For Stainless Steel Cooling Tower, Add	28,290.12	
23 65 00 00-0151 EA 425 Ton Blow-Thru Centrifugal Fan Type Cooling Tower	64,266.93	8,882.89
For Stainless Steel Cooling Tower, Add	29,996.51	
23 65 00 00-0152 EA 450 Ton Blow-Thru Centrifugal Fan Type Cooling Tower	68,285.52	9,338.96
For Stainless Steel Cooling Tower, Add	31,972.33	
23 65 00 00-0153 EA 475 Ton Blow-Thru Centrifugal Fan Type Cooling Tower	72,160.94	9,732.84
For Stainless Steel Cooling Tower, Add	33,918.21	
23 65 00 00-0154 EA 500 Ton Blow-Thru Centrifugal Fan Type Cooling Tower	76,046.71	10,126.71
For Stainless Steel Cooling Tower, Add	35,864.09	
23 65 00 00-0155 EA 550 Ton Blow-Thru Centrifugal Fan Type Cooling Tower	83,206.71	10,551.68
For Stainless Steel Cooling Tower, Add	39,755.86	
23 65 00 00-0156 EA 600 Ton Blow-Thru Centrifugal Fan Type Cooling Tower	90,965.44	10,966.29
For Stainless Steel Cooling Tower, Add	44,006.86	
23 65 00 00-0157 EA 650 Ton Blow-Thru Centrifugal Fan Type Cooling Tower	94,042.04	11,194.32
For Stainless Steel Cooling Tower, Add	45,803.06	
23 65 00 00-0158 EA 700 Ton Blow-Thru Centrifugal Fan Type Cooling Tower	97,717.34	11,339.43
For Stainless Steel Cooling Tower, Add	47,958.49	
23 65 00 00-0159 EA 750 Ton Blow-Thru Centrifugal Fan Type Cooling Tower	102,321.67	11,919.87
For Stainless Steel Cooling Tower, Add	50,173.81	
23 65 00 00-0160 EA 800 Ton Blow-Thru Centrifugal Fan Type Cooling Tower	107,624.49	12,500.32
For Stainless Steel Cooling Tower, Add	52,808.23	
23 65 00 00-0161 EA 850 Ton Blow-Thru Centrifugal Fan Type Cooling Tower	113,010.26	13,132.59
For Stainless Steel Cooling Tower, Add	55,442.65	
23 65 00 00-0162 EA 900 Ton Blow-Thru Centrifugal Fan Type Cooling Tower	119,194.33	13,764.86
For Stainless Steel Cooling Tower, Add	58,556.06	
23 65 00 00-0163 EA 950 Ton Blow-Thru Centrifugal Fan Type Cooling Tower	125,623.29	14,490.43
For Stainless Steel Cooling Tower, Add	61,729.34	
23 65 00 00-0164 EA 1,000 Ton Centrifugal Type Cooling Tower	132,840.20	15,215.98
For Stainless Steel Cooling Tower, Add	65,381.62	
23 65 00 00-0165 Fiberglass Cooling Tower Sump Basins ^(23 65)		
Note: Includes 1 inlet sleeve. Excludes cover, excavation, backfill, concrete cut and concrete patch. Excludes crane and associated personnel.		
23 65 00 00-0166 EA 30" Diameter x 30" Depth, 92 Gallon Capacity, Fiberglass Cooling Tower Sump Basin	1,002.08	
For Anti-Flotation Flanges, Add	115.00	
For Perforated Basins, Add	80.00	
23 65 00 00-0167 EA 30" Diameter x 36" Depth, 110 Gallon Capacity, Fiberglass Cooling Tower Sump Basin	1,137.75	
For Anti-Flotation Flanges, Add	115.00	
For Perforated Basins, Add	80.00	
23 65 00 00-0168 EA 36" Diameter x 30" Depth, 132 Gallon Capacity, Fiberglass Cooling Tower Sump Basin	1,100.48	
For Anti-Flotation Flanges, Add	253.00	
For Perforated Basins, Add	80.00	
23 65 00 00-0169 EA 36" Diameter x 36" Depth, 159 Gallon Capacity, Fiberglass Cooling Tower Sump Basin	1,299.62	
For Anti-Flotation Flanges, Add	253.00	
For Perforated Basins, Add	80.00	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 60 Central Cooling Equipment****23 65 Cooling Towers**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 65 00 00-0170 EA 42" Diameter x 30" Depth, 180 Gallon Capacity, Fiberglass Cooling Tower Sump Basin.....	1,420.74	
For Anti-Flotation Flanges, Add	276.00	
For Perforated Basins, Add	100.00	
23 65 00 00-0171 EA 42" Diameter x 36" Depth, 216 Gallon Capacity, Fiberglass Cooling Tower Sump Basin.....	1,572.41	
For Anti-Flotation Flanges, Add	276.00	
For Perforated Basins, Add	100.00	
23 65 00 00-0172 EA 42" Diameter x 42" Depth, 252 Gallon Capacity, Fiberglass Cooling Tower Sump Basin.....	1,724.09	
For Anti-Flotation Flanges, Add	276.00	
For Perforated Basins, Add	100.00	
23 65 00 00-0173 EA 48" Diameter x 36" Depth, 282 Gallon Capacity, Fiberglass Cooling Tower Sump Basin.....	1,714.47	
For Anti-Flotation Flanges, Add	294.00	
For Perforated Basins, Add	140.00	
23 65 00 00-0174 EA 48" Diameter x 42" Depth, 329 Gallon Capacity, Fiberglass Cooling Tower Sump Basin.....	1,885.08	
For Anti-Flotation Flanges, Add	294.00	
For Perforated Basins, Add	140.00	
23 65 00 00-0175 EA 48" Diameter x 48" Depth, 376 Gallon Capacity, Fiberglass Cooling Tower Sump Basin.....	2,160.78	
For Anti-Flotation Flanges, Add	294.00	
For Perforated Basins, Add	140.00	
23 65 00 00-0176 EA 48" Diameter x 54" Depth, 423 Gallon Capacity, Fiberglass Cooling Tower Sump Basin.....	2,437.94	
For Anti-Flotation Flanges, Add	294.00	
For Perforated Basins, Add	140.00	
23 65 00 00-0177 EA 48" Diameter x 60" Depth, 470 Gallon Capacity, Fiberglass Cooling Tower Sump Basin.....	2,605.63	
For Anti-Flotation Flanges, Add	294.00	
For Perforated Basins, Add	140.00	

23 70 Central HVAC Equipment ⁽²³⁾

Note: New air filters shall be provided on HVAC equipment prior to turning over to owner. Where required, mechanical equipment excludes electrical connection, disconnect, or starter unless title states otherwise. See CSI section 26 05 19 16-0011 for electrical connection and termination, 26 05 83 00-0130 for terminations, 26 28 16 00-0001 for disconnect.

23 71 Thermal Storage ^(23 70)**23 71 13 Thermal Heat Storage** ^(23 71)**23 71 13 23 Pressurized-Water Thermal Storage Tanks** ^(23 71 13)**23 71 13 23-0001 Nickelshield Storage Tanks** ^(23 71 13 23)

23 71 13 23-0002 EA 325 Gallon Nickelshield Storage Tank.....	15,505.05	187.83
23 71 13 23-0003 EA 490 Gallon Nickelshield Storage Tank.....	21,628.77	249.04
23 71 13 23-0004 EA 605 Gallon Nickelshield Storage Tank.....	24,772.14	301.21
23 71 13 23-0005 EA 740 Gallon Nickelshield Storage Tank.....	29,343.44	376.52
23 71 13 23-0006 EA 940 Gallon Nickelshield Storage Tank.....	34,179.47	500.51
23 71 13 23-0007 EA 1,505 Gallon Nickelshield Storage Tank.....	44,230.02	753.11
23 71 13 23-0008 EA 1,615 Gallon Nickelshield Storage Tank.....	49,945.71	848.26
23 71 13 23-0009 EA 2,275 Gallon Nickelshield Storage Tank.....	68,564.30	1,126.72
23 71 13 23-0010 EA 3,815 Gallon Nickelshield Storage Tank.....	88,621.26	1,309.85

23 72 Air-To-Air Energy Recovery Equipment ^(23 70)**23 72 13 Heat-Wheel Air-To-Air Energy-Recovery Equipment** ^(23 72)**23 72 13 00-0001 Enthalpy Recovery Wheel** ^(23 72 13)

23 72 13 00-0002 EA Up To 1,000 CFM Enthalpy Recovery Wheel.....	5,959.57	742.92
23 72 13 00-0003 EA >1,000 To 2,000 CFM Enthalpy Recovery Wheel.....	6,678.79	891.73
23 72 13 00-0004 EA >2,000 To 4,000 CFM Enthalpy Recovery Wheel.....	8,355.89	1,114.66
23 72 13 00-0005 EA >4,000 To 6,000 CFM Enthalpy Recovery Wheel.....	9,743.50	1,273.49
23 72 13 00-0006 EA >6,000 To 8,000 CFM Enthalpy Recovery Wheel.....	10,713.42	1,337.59
23 72 13 00-0007 EA >8,000 To 10,000 CFM Enthalpy Recovery Wheel.....	12,890.05	1,486.39
23 72 13 00-0008 EA >10,000 To 15,000 CFM Enthalpy Recovery Wheel.....	16,735.16	1,560.52
23 72 13 00-0009 EA >15,000 To 20,000 CFM Enthalpy Recovery Wheel.....	20,590.49	1,671.98
23 72 13 00-0010 EA >20,000 To 25,000 CFM Enthalpy Recovery Wheel.....	24,827.95	1,910.52
23 72 13 00-0011 EA >25,000 To 30,000 CFM Enthalpy Recovery Wheel.....	28,115.73	2,452.25
23 72 13 00-0012 EA >30,000 To 40,000 CFM Enthalpy Recovery Wheel.....	37,211.04	2,786.64
23 72 13 00-0013 EA >40,000 To 50,000 CFM Enthalpy Recovery Wheel.....	44,284.85	3,343.96

23 72 16 Heat-Pipe Air-To-Air Energy-Recovery Equipment ^(23 72)**23 72 16 00-0001 Glycol Heat Pipe Type, 50 Percent Efficient** ^(23 72 16)

23 72 16 00-0002 EA 100 MBH, 1,700 CFM Glycol Heat Recovery Unit.....	10,010.34	557.32
23 72 16 00-0003 EA 160 MBH, 2,700 CFM Glycol Heat Recovery Unit.....	15,614.64	743.14
23 72 16 00-0004 EA 620 MBH, 4,000 CFM Glycol Heat Recovery Unit.....	23,160.33	1,114.66

23 73 Indoor Central-Station Air-Handling Units ^(23 70)**23 73 13 Modular Indoor Central-Station Air-Handling Units** ^(23 73)

Note: Sized by CFM. Includes motor drive vibration isolators. Use modifiers for Filters and heating and cooling coils. Includes double wall insulated casing, fan section, fan motor, internal dampers, starter, vibration isolators and equipment rigging. Variable speed drives are included on units with 10 HP or greater fans. Modifiers include cooling coil sections with 6 row aluminum fin coil and drain pan, heating coil section with 1 row aluminum fin coil, and filter section with replaceable filters.



Heating, Ventilating, And Air-Conditioning (HVAC)	23
Central HVAC Equipment	23 70
Indoor Central-Station Air-Handling Units	23 73

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 73 13 00-0001 Single Zone Units <small>(23 73 13)</small>		
<i>Note: Horizontal/vertical draw-thru fan, motor and cabinet.</i>		
23 73 13 00-0002 EA 300 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	1,826.07	553.76
<i>For Flat Filter Box And Throwaway Filters, Add</i>		
<i>For Medium Capacity Filter Box And Throwaway Filters, Add</i>		
<i>For Combination Filter Mixing Box And Throwaway Filters, Add</i>		
<i>For Manual Roll Filter, Add</i>		
<i>For Automatic Roll Filter, Add</i>		
<i>For Hot Water Heating Coil, Aluminum Fins, Add</i>		
<i>For Electric Heating Coil, Add</i>		
<i>For Chilled Water Cooling Coil, Aluminum Fins, Add</i>		
<i>For Direct Expansion Cooling Coil, Aluminum Fins, Add</i>		
<i>For Steam Heating Coil, Aluminum Fins, Add</i>		
<i>For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add</i>		
<i>For Chilled Water Cooling Coil, Copper Fins, Add</i>		
<i>For Direct Expansion Cooling Coil, Copper Fins, Add</i>		
<i>For Hot Water Heating Coil, Copper Fins, Add</i>		
<i>For Variable Air Volume, Add</i>		
<i>For Economizer, Panel, Controls And Damper(s), Add</i>		
<i>For 2 Coils, Independent Circuits, Add</i>		
23 73 13 00-0003 EA 500 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	2,779.67	664.51
<i>For Flat Filter Box And Throwaway Filters, Add</i>		
<i>For Medium Capacity Filter Box And Throwaway Filters, Add</i>		
<i>For Combination Filter Mixing Box And Throwaway Filters, Add</i>		
<i>For Manual Roll Filter, Add</i>		
<i>For Automatic Roll Filter, Add</i>		
<i>For Hot Water Heating Coil, Aluminum Fins, Add</i>		
<i>For Electric Heating Coil, Add</i>		
<i>For Chilled Water Cooling Coil, Aluminum Fins, Add</i>		
<i>For Direct Expansion Cooling Coil, Aluminum Fins, Add</i>		
<i>For Steam Heating Coil, Aluminum Fins, Add</i>		
<i>For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add</i>		
<i>For Chilled Water Cooling Coil, Copper Fins, Add</i>		
<i>For Direct Expansion Cooling Coil, Copper Fins, Add</i>		
<i>For Hot Water Heating Coil, Copper Fins, Add</i>		
<i>For Variable Air Volume, Add</i>		
<i>For Economizer, Panel, Controls And Damper(s), Add</i>		
<i>For 2 Coils, Independent Circuits, Add</i>		
23 73 13 00-0004 EA 800 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	3,123.83	713.66
<i>For Flat Filter Box And Throwaway Filters, Add</i>		
<i>For Medium Capacity Filter Box And Throwaway Filters, Add</i>		
<i>For Combination Filter Mixing Box And Throwaway Filters, Add</i>		
<i>For Manual Roll Filter, Add</i>		
<i>For Automatic Roll Filter, Add</i>		
<i>For Hot Water Heating Coil, Aluminum Fins, Add</i>		
<i>For Electric Heating Coil, Add</i>		
<i>For Chilled Water Cooling Coil, Aluminum Fins, Add</i>		
<i>For Direct Expansion Cooling Coil, Aluminum Fins, Add</i>		
<i>For Steam Heating Coil, Aluminum Fins, Add</i>		
<i>For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add</i>		
<i>For Chilled Water Cooling Coil, Copper Fins, Add</i>		
<i>For Direct Expansion Cooling Coil, Copper Fins, Add</i>		
<i>For Hot Water Heating Coil, Copper Fins, Add</i>		
<i>For Variable Air Volume, Add</i>		
<i>For Economizer, Panel, Controls And Damper(s), Add</i>		
<i>For 2 Coils, Independent Circuits, Add</i>		
23 73 13 00-0005 EA 1,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	3,505.63	766.86
<i>For Flat Filter Box And Throwaway Filters, Add</i>		
<i>For Medium Capacity Filter Box And Throwaway Filters, Add</i>		
<i>For Combination Filter Mixing Box And Throwaway Filters, Add</i>		
<i>For Manual Roll Filter, Add</i>		
<i>For Automatic Roll Filter, Add</i>		
<i>For Hot Water Heating Coil, Aluminum Fins, Add</i>		
<i>For Electric Heating Coil, Add</i>		
<i>For Chilled Water Cooling Coil, Aluminum Fins, Add</i>		
<i>For Direct Expansion Cooling Coil, Aluminum Fins, Add</i>		
<i>For Steam Heating Coil, Aluminum Fins, Add</i>		
<i>For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add</i>		
<i>For Chilled Water Cooling Coil, Copper Fins, Add</i>		
<i>For Direct Expansion Cooling Coil, Copper Fins, Add</i>		
<i>For Hot Water Heating Coil, Copper Fins, Add</i>		
<i>For Variable Air Volume, Add</i>		
<i>For Economizer, Panel, Controls And Damper(s), Add</i>		
<i>For 2 Coils, Independent Circuits, Add</i>		

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 70 Central HVAC Equipment****23 73 Indoor Central-Station Air-Handling Units**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 73	13 00-0006	EA	1,200 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	3,952.94	825.01
			<i>For Flat Filter Box And Throwaway Filters, Add</i>	336.43	
			<i>For Medium Capacity Filter Box And Throwaway Filters, Add</i>	637.55	
			<i>For Combination Filter Mixing Box And Throwaway Filters, Add</i>	950.44	
			<i>For Manual Roll Filter, Add</i>	1,644.37	
			<i>For Automatic Roll Filter, Add</i>	1,783.15	
			<i>For Hot Water Heating Coil, Aluminum Fins, Add</i>	811.65	
			<i>For Electric Heating Coil, Add</i>	1,366.80	
			<i>For Chilled Water Cooling Coil, Aluminum Fins, Add</i>	1,366.80	
			<i>For Direct Expansion Cooling Coil, Aluminum Fins, Add</i>	1,228.01	
			<i>For Steam Heating Coil, Aluminum Fins, Add</i>	1,089.22	
			<i>For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add</i>	891.58	
			<i>For Chilled Water Cooling Coil, Copper Fins, Add</i>	1,644.37	
			<i>For Direct Expansion Cooling Coil, Copper Fins, Add</i>	1,505.58	
			<i>For Hot Water Heating Coil, Copper Fins, Add</i>	1,089.22	
			<i>For Variable Air Volume, Add</i>	388.60	
			<i>For Economizer, Panel, Controls And Damper(s), Add</i>	1,464.05	
			<i>For 2 Coils, Independent Circuits, Add</i>	450.81	
23 73	13 00-0007	EA	1,400 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	4,472.63	886.61
			<i>For Flat Filter Box And Throwaway Filters, Add</i>	383.94	
			<i>For Medium Capacity Filter Box And Throwaway Filters, Add</i>	729.87	
			<i>For Combination Filter Mixing Box And Throwaway Filters, Add</i>	1,088.48	
			<i>For Manual Roll Filter, Add</i>	1,889.99	
			<i>For Automatic Roll Filter, Add</i>	2,050.30	
			<i>For Hot Water Heating Coil, Aluminum Fins, Add</i>	928.17	
			<i>For Electric Heating Coil, Add</i>	1,569.39	
			<i>For Chilled Water Cooling Coil, Aluminum Fins, Add</i>	1,569.39	
			<i>For Direct Expansion Cooling Coil, Aluminum Fins, Add</i>	1,409.08	
			<i>For Steam Heating Coil, Aluminum Fins, Add</i>	1,248.78	
			<i>For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add</i>	1,025.15	
			<i>For Chilled Water Cooling Coil, Copper Fins, Add</i>	1,889.99	
			<i>For Direct Expansion Cooling Coil, Copper Fins, Add</i>	1,729.69	
			<i>For Hot Water Heating Coil, Copper Fins, Add</i>	1,248.78	
			<i>For Variable Air Volume, Add</i>	448.85	
			<i>For Economizer, Panel, Controls And Damper(s), Add</i>	1,526.59	
			<i>For 2 Coils, Independent Circuits, Add</i>	511.38	
23 73	13 00-0008	EA	1,600 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	4,887.63	953.17
			<i>For Flat Filter Box And Throwaway Filters, Add</i>	420.82	
			<i>For Medium Capacity Filter Box And Throwaway Filters, Add</i>	800.88	
			<i>For Combination Filter Mixing Box And Throwaway Filters, Add</i>	1,194.53	
			<i>For Manual Roll Filter, Add</i>	2,076.74	
			<i>For Automatic Roll Filter, Add</i>	2,253.18	
			<i>For Hot Water Heating Coil, Aluminum Fins, Add</i>	1,018.09	
			<i>For Electric Heating Coil, Add</i>	1,723.85	
			<i>For Chilled Water Cooling Coil, Aluminum Fins, Add</i>	1,723.85	
			<i>For Direct Expansion Cooling Coil, Aluminum Fins, Add</i>	1,547.41	
			<i>For Steam Heating Coil, Aluminum Fins, Add</i>	1,370.97	
			<i>For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add</i>	1,126.59	
			<i>For Chilled Water Cooling Coil, Copper Fins, Add</i>	2,076.74	
			<i>For Direct Expansion Cooling Coil, Copper Fins, Add</i>	1,900.30	
			<i>For Hot Water Heating Coil, Copper Fins, Add</i>	1,370.97	
			<i>For Variable Air Volume, Add</i>	494.04	
			<i>For Economizer, Panel, Controls And Damper(s), Add</i>	1,591.16	
			<i>For 2 Coils, Independent Circuits, Add</i>	559.34	
23 73	13 00-0009	EA	1,800 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	5,340.26	1,027.24
			<i>For Flat Filter Box And Throwaway Filters, Add</i>	460.67	
			<i>For Medium Capacity Filter Box And Throwaway Filters, Add</i>	877.32	
			<i>For Combination Filter Mixing Box And Throwaway Filters, Add</i>	1,308.65	
			<i>For Manual Roll Filter, Add</i>	2,276.92	
			<i>For Automatic Roll Filter, Add</i>	2,470.58	
			<i>For Hot Water Heating Coil, Aluminum Fins, Add</i>	1,114.99	
			<i>For Electric Heating Coil, Add</i>	1,889.61	
			<i>For Chilled Water Cooling Coil, Aluminum Fins, Add</i>	1,889.61	
			<i>For Direct Expansion Cooling Coil, Aluminum Fins, Add</i>	1,695.96	
			<i>For Steam Heating Coil, Aluminum Fins, Add</i>	1,502.30	
			<i>For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add</i>	1,235.29	
			<i>For Chilled Water Cooling Coil, Copper Fins, Add</i>	2,276.92	
			<i>For Direct Expansion Cooling Coil, Copper Fins, Add</i>	2,083.27	
			<i>For Hot Water Heating Coil, Copper Fins, Add</i>	1,502.30	
			<i>For Variable Air Volume, Add</i>	542.23	
			<i>For Economizer, Panel, Controls And Damper(s), Add</i>	1,556.94	
			<i>For 2 Coils, Independent Circuits, Add</i>	611.49	



Heating, Ventilating, And Air-Conditioning (HVAC)		23
Central HVAC Equipment		23 70
Indoor Central-Station Air-Handling Units		23 73

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 73 13 00-0010 EA 2,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	5,833.79	1,101.30
For Flat Filter Box And Throwaway Filters, Add	504.71	
For Medium Capacity Filter Box And Throwaway Filters, Add	962.22	
For Combination Filter Mixing Box And Throwaway Filters, Add	1,435.56	
For Manual Roll Filter, Add	2,500.56	
For Automatic Roll Filter, Add	2,713.58	
For Hot Water Heating Coil, Aluminum Fins, Add	1,222.44	
For Electric Heating Coil, Add	2,074.52	
For Chilled Water Cooling Coil, Aluminum Fins, Add	2,074.52	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	1,861.50	
For Steam Heating Coil, Aluminum Fins, Add	1,648.48	
For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	1,356.79	
For Chilled Water Cooling Coil, Copper Fins, Add	2,500.56	
For Direct Expansion Cooling Coil, Copper Fins, Add	2,287.54	
For Hot Water Heating Coil, Copper Fins, Add	1,648.48	
For Variable Air Volume, Add	596.46	
For Economizer, Panel, Controls And Damper(s), Add	1,615.36	
For 2 Coils, Independent Circuits, Add	668.59	
23 73 13 00-0011 EA 2,250 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	6,295.78	1,183.77
For Flat Filter Box And Throwaway Filters, Add	545.02	
For Medium Capacity Filter Box And Throwaway Filters, Add	1,039.31	
For Combination Filter Mixing Box And Throwaway Filters, Add	1,550.52	
For Manual Roll Filter, Add	2,701.69	
For Automatic Roll Filter, Add	2,931.92	
For Hot Water Heating Coil, Aluminum Fins, Add	1,320.28	
For Electric Heating Coil, Add	2,241.22	
For Chilled Water Cooling Coil, Aluminum Fins, Add	2,241.22	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	2,010.99	
For Steam Heating Coil, Aluminum Fins, Add	1,780.75	
For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	1,465.96	
For Chilled Water Cooling Coil, Copper Fins, Add	2,701.69	
For Direct Expansion Cooling Coil, Copper Fins, Add	2,471.45	
For Hot Water Heating Coil, Copper Fins, Add	1,780.75	
For Variable Air Volume, Add	644.66	
For Economizer, Panel, Controls And Damper(s), Add	1,680.10	
For 2 Coils, Independent Circuits, Add	721.67	
23 73 13 00-0012 EA 2,500 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	6,789.92	1,273.76
For Flat Filter Box And Throwaway Filters, Add	588.02	
For Medium Capacity Filter Box And Throwaway Filters, Add	1,121.46	
For Combination Filter Mixing Box And Throwaway Filters, Add	1,673.09	
For Manual Roll Filter, Add	2,915.71	
For Automatic Roll Filter, Add	3,164.23	
For Hot Water Heating Coil, Aluminum Fins, Add	1,424.56	
For Electric Heating Coil, Add	2,418.66	
For Chilled Water Cooling Coil, Aluminum Fins, Add	2,418.66	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	2,170.14	
For Steam Heating Coil, Aluminum Fins, Add	1,921.61	
For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	1,582.12	
For Chilled Water Cooling Coil, Copper Fins, Add	2,915.71	
For Direct Expansion Cooling Coil, Copper Fins, Add	2,667.18	
For Hot Water Heating Coil, Copper Fins, Add	1,921.61	
For Variable Air Volume, Add	695.87	
For Economizer, Panel, Controls And Damper(s), Add	1,750.69	
For 2 Coils, Independent Circuits, Add	778.40	
23 73 13 00-0013 EA 3,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	7,894.35	1,474.39
For Flat Filter Box And Throwaway Filters, Add	684.12	
For Medium Capacity Filter Box And Throwaway Filters, Add	1,305.06	
For Combination Filter Mixing Box And Throwaway Filters, Add	1,947.06	
For Manual Roll Filter, Add	3,394.10	
For Automatic Roll Filter, Add	3,683.51	
For Hot Water Heating Coil, Aluminum Fins, Add	1,657.66	
For Electric Heating Coil, Add	2,815.28	
For Chilled Water Cooling Coil, Aluminum Fins, Add	2,815.28	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	2,525.88	
For Steam Heating Coil, Aluminum Fins, Add	2,236.47	
For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	1,841.75	
For Chilled Water Cooling Coil, Copper Fins, Add	3,394.10	
For Direct Expansion Cooling Coil, Copper Fins, Add	3,104.69	
For Hot Water Heating Coil, Copper Fins, Add	2,236.47	
For Variable Air Volume, Add	810.34	
For Economizer, Panel, Controls And Damper(s), Add	1,908.42	
For 2 Coils, Independent Circuits, Add	905.20	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 70 Central HVAC Equipment****23 73 Indoor Central-Station Air-Handling Units**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 73 13 00-0014 EA 3,250 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	8,288.98	1,584.46
For Flat Filter Box And Throwaway Filters, Add	715.69	
For Medium Capacity Filter Box And Throwaway Filters, Add	1,363.46	
For Combination Filter Mixing Box And Throwaway Filters, Add	2,033.86	
For Manual Roll Filter, Add	3,540.07	
For Automatic Roll Filter, Add	3,841.31	
For Hot Water Heating Coil, Aluminum Fins, Add	1,732.62	
For Electric Heating Coil, Add	2,937.59	
For Chilled Water Cooling Coil, Aluminum Fins, Add	2,937.59	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	2,636.35	
For Steam Heating Coil, Aluminum Fins, Add	2,335.11	
For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	1,920.66	
For Chilled Water Cooling Coil, Copper Fins, Add	3,540.07	
For Direct Expansion Cooling Coil, Copper Fins, Add	3,238.83	
For Hot Water Heating Coil, Copper Fins, Add	2,335.11	
For Variable Air Volume, Add	843.48	
For Economizer, Panel, Controls And Damper(s), Add	1,995.28	
For 2 Coils, Independent Circuits, Add	949.39	
23 73 13 00-0015 EA 3,500 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	8,694.15	1,702.83
For Flat Filter Box And Throwaway Filters, Add	747.78	
For Medium Capacity Filter Box And Throwaway Filters, Add	1,422.59	
For Combination Filter Mixing Box And Throwaway Filters, Add	2,121.72	
For Manual Roll Filter, Add	3,687.10	
For Automatic Roll Filter, Add	4,000.18	
For Hot Water Heating Coil, Aluminum Fins, Add	1,808.64	
For Electric Heating Coil, Add	3,060.95	
For Chilled Water Cooling Coil, Aluminum Fins, Add	3,060.95	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	2,747.87	
For Steam Heating Coil, Aluminum Fins, Add	2,434.80	
For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	2,000.09	
For Chilled Water Cooling Coil, Copper Fins, Add	3,687.10	
For Direct Expansion Cooling Coil, Copper Fins, Add	3,374.02	
For Hot Water Heating Coil, Copper Fins, Add	2,434.80	
For Variable Air Volume, Add	876.61	
For Economizer, Panel, Controls And Damper(s), Add	2,087.95	
For 2 Coils, Independent Circuits, Add	994.65	
23 73 13 00-0016 EA 4,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	9,587.20	1,965.86
For Flat Filter Box And Throwaway Filters, Add	818.26	
For Medium Capacity Filter Box And Throwaway Filters, Add	1,552.23	
For Combination Filter Mixing Box And Throwaway Filters, Add	2,314.31	
For Manual Roll Filter, Add	4,008.79	
For Automatic Roll Filter, Add	4,347.69	
For Hot Water Heating Coil, Aluminum Fins, Add	1,975.41	
For Electric Heating Coil, Add	3,331.00	
For Chilled Water Cooling Coil, Aluminum Fins, Add	3,331.00	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	2,992.10	
For Steam Heating Coil, Aluminum Fins, Add	2,653.20	
For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	2,173.84	
For Chilled Water Cooling Coil, Copper Fins, Add	4,008.79	
For Direct Expansion Cooling Coil, Copper Fins, Add	3,669.89	
For Hot Water Heating Coil, Copper Fins, Add	2,653.20	
For Variable Air Volume, Add	948.91	
For Economizer, Panel, Controls And Damper(s), Add	2,063.71	
For 2 Coils, Independent Circuits, Add	1,094.28	
23 73 13 00-0017 EA 4,500 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	9,587.20	1,965.86
For Flat Filter Box And Throwaway Filters, Add	818.26	
For Medium Capacity Filter Box And Throwaway Filters, Add	1,552.23	
For Combination Filter Mixing Box And Throwaway Filters, Add	2,314.31	
For Manual Roll Filter, Add	4,008.79	
For Automatic Roll Filter, Add	4,347.69	
For Hot Water Heating Coil, Aluminum Fins, Add	1,975.41	
For Electric Heating Coil, Add	3,331.00	
For Chilled Water Cooling Coil, Aluminum Fins, Add	3,331.00	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	2,992.10	
For Steam Heating Coil, Aluminum Fins, Add	2,653.20	
For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	2,173.84	
For Chilled Water Cooling Coil, Copper Fins, Add	4,008.79	
For Direct Expansion Cooling Coil, Copper Fins, Add	3,669.89	
For Hot Water Heating Coil, Copper Fins, Add	2,653.20	
For Variable Air Volume, Add	948.91	
For Economizer, Panel, Controls And Damper(s), Add	2,063.71	
For 2 Coils, Independent Circuits, Add	1,094.28	



Heating, Ventilating, And Air-Conditioning (HVAC)		23
Central HVAC Equipment		23 70
Indoor Central-Station Air-Handling Units		23 73

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 73	13 00-0018	EA	5,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan For Flat Filter Box And Throwaway Filters, Add For Medium Capacity Filter Box And Throwaway Filters, Add For Combination Filter Mixing Box And Throwaway Filters, Add For Manual Roll Filter, Add For Automatic Roll Filter, Add For Hot Water Heating Coil, Aluminum Fins, Add For Electric Heating Coil, Add For Chilled Water Cooling Coil, Aluminum Fins, Add For Direct Expansion Cooling Coil, Aluminum Fins, Add For Steam Heating Coil, Aluminum Fins, Add For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add For Chilled Water Cooling Coil, Copper Fins, Add For Direct Expansion Cooling Coil, Copper Fins, Add For Hot Water Heating Coil, Copper Fins, Add For Variable Air Volume, Add For Economizer, Panel, Controls And Damper(s), Add For 2 Coils, Independent Circuits, Add	10,563.69 895.05 1,693.32 2,523.85 4,358.19 4,725.06 2,156.98 3,624.45 3,624.45 3,257.58 2,890.71 2,362.53 4,358.19 3,991.32 2,890.71 1,027.23 2,230.52 1,203.12	2,257.98
23 73	13 00-0019	EA	5,500 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan For Flat Filter Box And Throwaway Filters, Add For Medium Capacity Filter Box And Throwaway Filters, Add For Combination Filter Mixing Box And Throwaway Filters, Add For Manual Roll Filter, Add For Automatic Roll Filter, Add For Hot Water Heating Coil, Aluminum Fins, Add For Electric Heating Coil, Add For Chilled Water Cooling Coil, Aluminum Fins, Add For Direct Expansion Cooling Coil, Aluminum Fins, Add For Steam Heating Coil, Aluminum Fins, Add For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add For Chilled Water Cooling Coil, Copper Fins, Add For Direct Expansion Cooling Coil, Copper Fins, Add For Hot Water Heating Coil, Copper Fins, Add For Variable Air Volume, Add For Economizer, Panel, Controls And Damper(s), Add For 2 Coils, Independent Circuits, Add	11,139.03 938.88 1,772.75 2,641.63 4,551.28 4,933.21 2,259.70 3,787.42 3,787.42 3,405.49 3,023.56 2,466.61 4,551.28 4,169.35 3,023.56 1,069.41 2,340.16 1,266.68	2,449.71
23 73	13 00-0020	EA	6,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan For Flat Filter Box And Throwaway Filters, Add For Medium Capacity Filter Box And Throwaway Filters, Add For Combination Filter Mixing Box And Throwaway Filters, Add For Manual Roll Filter, Add For Automatic Roll Filter, Add For Hot Water Heating Coil, Aluminum Fins, Add For Electric Heating Coil, Add For Chilled Water Cooling Coil, Aluminum Fins, Add For Direct Expansion Cooling Coil, Aluminum Fins, Add For Steam Heating Coil, Aluminum Fins, Add For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add For Chilled Water Cooling Coil, Copper Fins, Add For Direct Expansion Cooling Coil, Copper Fins, Add For Hot Water Heating Coil, Copper Fins, Add For Variable Air Volume, Add For Economizer, Panel, Controls And Damper(s), Add For 2 Coils, Independent Circuits, Add	11,699.81 981.98 1,851.17 2,757.95 4,742.92 5,139.91 2,360.96 3,948.93 3,948.93 3,551.94 3,154.95 2,569.96 4,742.92 4,345.93 3,154.95 1,111.58 2,443.98 1,328.78	2,631.76
23 73	13 00-0021	EA	6,500 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan For Flat Filter Box And Throwaway Filters, Add For Medium Capacity Filter Box And Throwaway Filters, Add For Combination Filter Mixing Box And Throwaway Filters, Add For Manual Roll Filter, Add For Automatic Roll Filter, Add For Hot Water Heating Coil, Aluminum Fins, Add For Electric Heating Coil, Add For Chilled Water Cooling Coil, Aluminum Fins, Add For Direct Expansion Cooling Coil, Aluminum Fins, Add For Steam Heating Coil, Aluminum Fins, Add For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add For Chilled Water Cooling Coil, Copper Fins, Add For Direct Expansion Cooling Coil, Copper Fins, Add For Hot Water Heating Coil, Copper Fins, Add For Variable Air Volume, Add For Economizer, Panel, Controls And Damper(s), Add For 2 Coils, Independent Circuits, Add	12,264.97 1,025.30 1,929.89 2,874.72 4,934.99 5,347.05 2,462.66 4,110.88 4,110.88 3,698.83 3,286.77 2,673.52 4,934.99 4,522.94 3,286.77 1,153.75 2,549.55 1,391.32	2,817.28

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 70 Central HVAC Equipment****23 73 Indoor Central-Station Air-Handling Units**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 73 13 00-0022 EA 7,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	12,917.75	3,032.55
For Flat Filter Box And Throwaway Filters, Add	1,075.16	
For Medium Capacity Filter Box And Throwaway Filters, Add	2,020.34	
For Combination Filter Mixing Box And Throwaway Filters, Add	3,008.85	
For Manual Roll Filter, Add	5,155.20	
For Automatic Roll Filter, Add	5,584.47	
For Hot Water Heating Coil, Aluminum Fins, Add	2,579.58	
For Electric Heating Coil, Add	4,296.66	
For Chilled Water Cooling Coil, Aluminum Fins, Add	4,296.66	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	3,867.39	
For Steam Heating Coil, Aluminum Fins, Add	3,438.12	
For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	2,792.23	
For Chilled Water Cooling Coil, Copper Fins, Add	5,155.20	
For Direct Expansion Cooling Coil, Copper Fins, Add	4,725.93	
For Hot Water Heating Coil, Copper Fins, Add	3,438.12	
For Variable Air Volume, Add	1,201.95	
For Economizer, Panel, Controls And Damper(s), Add	2,672.95	
For 2 Coils, Independent Circuits, Add	1,463.48	
23 73 13 00-0023 EA 7,500 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	13,583.15	3,249.21
For Flat Filter Box And Throwaway Filters, Add	1,125.64	
For Medium Capacity Filter Box And Throwaway Filters, Add	2,111.68	
For Combination Filter Mixing Box And Throwaway Filters, Add	3,144.25	
For Manual Roll Filter, Add	5,376.66	
For Automatic Roll Filter, Add	5,823.15	
For Hot Water Heating Coil, Aluminum Fins, Add	2,697.76	
For Electric Heating Coil, Add	4,483.70	
For Chilled Water Cooling Coil, Aluminum Fins, Add	4,483.70	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	4,037.21	
For Steam Heating Coil, Aluminum Fins, Add	3,590.73	
For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	2,911.57	
For Chilled Water Cooling Coil, Copper Fins, Add	5,376.66	
For Direct Expansion Cooling Coil, Copper Fins, Add	4,930.18	
For Hot Water Heating Coil, Copper Fins, Add	3,590.73	
For Variable Air Volume, Add	1,250.15	
For Economizer, Panel, Controls And Damper(s), Add	2,576.05	
For 2 Coils, Independent Circuits, Add	1,536.91	
23 73 13 00-0024 EA 8,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	14,274.51	3,499.00
For Flat Filter Box And Throwaway Filters, Add	1,177.42	
For Medium Capacity Filter Box And Throwaway Filters, Add	2,204.83	
For Combination Filter Mixing Box And Throwaway Filters, Add	3,282.24	
For Manual Roll Filter, Add	5,600.72	
For Automatic Roll Filter, Add	6,064.42	
For Hot Water Heating Coil, Aluminum Fins, Add	2,818.54	
For Electric Heating Coil, Add	4,673.33	
For Chilled Water Cooling Coil, Aluminum Fins, Add	4,673.33	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	4,209.63	
For Steam Heating Coil, Aluminum Fins, Add	3,745.93	
For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	3,032.21	
For Chilled Water Cooling Coil, Copper Fins, Add	5,600.72	
For Direct Expansion Cooling Coil, Copper Fins, Add	5,137.02	
For Hot Water Heating Coil, Copper Fins, Add	3,745.93	
For Variable Air Volume, Add	1,298.35	
For Economizer, Panel, Controls And Damper(s), Add	2,680.17	
For 2 Coils, Independent Circuits, Add	1,612.93	
23 73 13 00-0025 EA 9,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	15,064.88	3,790.52
For Flat Filter Box And Throwaway Filters, Add	1,236.31	
For Medium Capacity Filter Box And Throwaway Filters, Add	2,310.50	
For Combination Filter Mixing Box And Throwaway Filters, Add	3,438.74	
For Manual Roll Filter, Add	5,854.05	
For Automatic Roll Filter, Add	6,337.11	
For Hot Water Heating Coil, Aluminum Fins, Add	2,955.67	
For Electric Heating Coil, Add	4,887.92	
For Chilled Water Cooling Coil, Aluminum Fins, Add	4,887.92	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	4,404.86	
For Steam Heating Coil, Aluminum Fins, Add	3,921.80	
For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	3,168.55	
For Chilled Water Cooling Coil, Copper Fins, Add	5,854.05	
For Direct Expansion Cooling Coil, Copper Fins, Add	5,370.98	
For Hot Water Heating Coil, Copper Fins, Add	3,921.80	
For Variable Air Volume, Add	1,352.57	
For Economizer, Panel, Controls And Damper(s), Add	2,801.09	
For 2 Coils, Independent Circuits, Add	1,699.71	



Heating, Ventilating, And Air-Conditioning (HVAC)	23
Central HVAC Equipment	23 70
Indoor Central-Station Air-Handling Units	23 73

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 73 13 00-0026 EA 10,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan <i>For Flat Filter Box And Throwaway Filters, Add</i> <i>For Medium Capacity Filter Box And Throwaway Filters, Add</i> <i>For Combination Filter Mixing Box And Throwaway Filters, Add</i> <i>For Manual Roll Filter, Add</i> <i>For Automatic Roll Filter, Add</i> <i>For Hot Water Heating Coil, Aluminum Fins, Add</i> <i>For Electric Heating Coil, Add</i> <i>For Chilled Water Cooling Coil, Aluminum Fins, Add</i> <i>For Direct Expansion Cooling Coil, Aluminum Fins, Add</i> <i>For Steam Heating Coil, Aluminum Fins, Add</i> <i>For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add</i> <i>For Chilled Water Cooling Coil, Copper Fins, Add</i> <i>For Direct Expansion Cooling Coil, Copper Fins, Add</i> <i>For Hot Water Heating Coil, Copper Fins, Add</i> <i>For Variable Air Volume, Add</i> <i>For Economizer, Panel, Controls And Damper(s), Add</i> <i>For 2 Coils, Independent Circuits, Add</i>	15,831.39 1,294.00 2,414.51 3,592.85 6,104.99 6,607.41 3,090.42 5,100.13 5,100.13 4,597.70 4,095.28 3,303.71 6,104.99 5,602.56 4,095.28 1,406.80 2,914.85 1,784.11	4,047.03
23 73 13 00-0027 EA 11,500 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan <i>For Flat Filter Box And Throwaway Filters, Add</i> <i>For Medium Capacity Filter Box And Throwaway Filters, Add</i> <i>For Combination Filter Mixing Box And Throwaway Filters, Add</i> <i>For Manual Roll Filter, Add</i> <i>For Automatic Roll Filter, Add</i> <i>For Hot Water Heating Coil, Aluminum Fins, Add</i> <i>For Electric Heating Coil, Add</i> <i>For Chilled Water Cooling Coil, Aluminum Fins, Add</i> <i>For Direct Expansion Cooling Coil, Aluminum Fins, Add</i> <i>For Steam Heating Coil, Aluminum Fins, Add</i> <i>For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add</i> <i>For Chilled Water Cooling Coil, Copper Fins, Add</i> <i>For Direct Expansion Cooling Coil, Copper Fins, Add</i> <i>For Hot Water Heating Coil, Copper Fins, Add</i> <i>For Variable Air Volume, Add</i> <i>For Economizer, Panel, Controls And Damper(s), Add</i> <i>For 2 Coils, Independent Circuits, Add</i>	15,821.14 1,303.17 2,438.97 3,630.56 6,191.11 6,703.22 3,118.45 5,166.89 5,166.89 4,654.78 4,142.67 3,351.61 6,191.11 5,679.00 4,142.67 1,433.91 2,853.68 1,786.96	3,918.58
23 73 13 00-0028 EA 12,500 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan <i>For Flat Filter Box And Throwaway Filters, Add</i> <i>For Medium Capacity Filter Box And Throwaway Filters, Add</i> <i>For Combination Filter Mixing Box And Throwaway Filters, Add</i> <i>For Manual Roll Filter, Add</i> <i>For Automatic Roll Filter, Add</i> <i>For Hot Water Heating Coil, Aluminum Fins, Add</i> <i>For Electric Heating Coil, Add</i> <i>For Chilled Water Cooling Coil, Aluminum Fins, Add</i> <i>For Direct Expansion Cooling Coil, Aluminum Fins, Add</i> <i>For Steam Heating Coil, Aluminum Fins, Add</i> <i>For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add</i> <i>For Chilled Water Cooling Coil, Copper Fins, Add</i> <i>For Direct Expansion Cooling Coil, Copper Fins, Add</i> <i>For Hot Water Heating Coil, Copper Fins, Add</i> <i>For Variable Air Volume, Add</i> <i>For Economizer, Panel, Controls And Damper(s), Add</i> <i>For 2 Coils, Independent Circuits, Add</i>	16,645.38 1,354.06 2,521.84 3,751.71 6,360.68 6,882.47 3,229.92 5,317.09 5,317.09 4,795.30 4,273.50 3,441.23 6,360.68 5,838.88 4,273.50 1,461.02 3,042.86 1,873.26	4,347.55
23 73 13 00-0029 EA 13,700 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan <i>For Flat Filter Box And Throwaway Filters, Add</i> <i>For Medium Capacity Filter Box And Throwaway Filters, Add</i> <i>For Combination Filter Mixing Box And Throwaway Filters, Add</i> <i>For Manual Roll Filter, Add</i> <i>For Automatic Roll Filter, Add</i> <i>For Hot Water Heating Coil, Aluminum Fins, Add</i> <i>For Electric Heating Coil, Add</i> <i>For Chilled Water Cooling Coil, Aluminum Fins, Add</i> <i>For Direct Expansion Cooling Coil, Aluminum Fins, Add</i> <i>For Steam Heating Coil, Aluminum Fins, Add</i> <i>For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add</i> <i>For Chilled Water Cooling Coil, Copper Fins, Add</i> <i>For Direct Expansion Cooling Coil, Copper Fins, Add</i> <i>For Hot Water Heating Coil, Copper Fins, Add</i> <i>For Variable Air Volume, Add</i> <i>For Economizer, Panel, Controls And Damper(s), Add</i> <i>For 2 Coils, Independent Circuits, Add</i>	17,491.51 1,427.57 2,662.19 3,961.12 6,726.09 7,279.08 3,408.13 5,620.10 5,620.10 5,067.11 4,514.12 3,639.54 6,726.09 6,173.10 4,514.12 1,548.38 2,686.33 1,970.35	4,522.18

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 70 Central HVAC Equipment****23 73 Indoor Central-Station Air-Handling Units**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 73 13 00-0030	EA		15,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan <i>For Flat Filter Box And Throwaway Filters, Add</i> <i>For Medium Capacity Filter Box And Throwaway Filters, Add</i> <i>For Combination Filter Mixing Box And Throwaway Filters, Add</i> <i>For Manual Roll Filter, Add</i> <i>For Automatic Roll Filter, Add</i> <i>For Hot Water Heating Coil, Aluminum Fins, Add</i> <i>For Electric Heating Coil, Add</i> <i>For Chilled Water Cooling Coil, Aluminum Fins, Add</i> <i>For Direct Expansion Cooling Coil, Aluminum Fins, Add</i> <i>For Steam Heating Coil, Aluminum Fins, Add</i> <i>For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add</i> <i>For Chilled Water Cooling Coil, Copper Fins, Add</i> <i>For Direct Expansion Cooling Coil, Copper Fins, Add</i> <i>For Hot Water Heating Coil, Copper Fins, Add</i> <i>For Variable Air Volume, Add</i> <i>For Economizer, Panel, Controls And Damper(s), Add</i> <i>For 2 Coils, Independent Circuits, Add</i>	18,399.41 1,504.16 2,806.86 4,176.71 7,097.68 7,681.87 3,592.52 5,929.29 5,929.29 5,345.10 4,760.91 3,840.94 7,097.68 6,513.49 4,760.91 1,635.74 2,743.11 2,073.62	4,697.31
23 73 13 00-0031	EA		16,500 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan <i>For Flat Filter Box And Throwaway Filters, Add</i> <i>For Medium Capacity Filter Box And Throwaway Filters, Add</i> <i>For Combination Filter Mixing Box And Throwaway Filters, Add</i> <i>For Manual Roll Filter, Add</i> <i>For Automatic Roll Filter, Add</i> <i>For Hot Water Heating Coil, Aluminum Fins, Add</i> <i>For Electric Heating Coil, Add</i> <i>For Chilled Water Cooling Coil, Aluminum Fins, Add</i> <i>For Direct Expansion Cooling Coil, Aluminum Fins, Add</i> <i>For Steam Heating Coil, Aluminum Fins, Add</i> <i>For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add</i> <i>For Chilled Water Cooling Coil, Copper Fins, Add</i> <i>For Direct Expansion Cooling Coil, Copper Fins, Add</i> <i>For Hot Water Heating Coil, Copper Fins, Add</i> <i>For Variable Air Volume, Add</i> <i>For Economizer, Panel, Controls And Damper(s), Add</i> <i>For 2 Coils, Independent Circuits, Add</i>	19,336.04 1,586.50 2,964.73 4,412.39 7,510.87 8,130.57 3,792.69 6,271.48 6,271.48 5,651.78 5,032.09 4,065.28 7,510.87 6,891.18 5,032.09 1,735.15 2,788.42 2,181.48	4,877.97
23 73 13 00-0032	EA		17,500 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan <i>For Flat Filter Box And Throwaway Filters, Add</i> <i>For Medium Capacity Filter Box And Throwaway Filters, Add</i> <i>For Combination Filter Mixing Box And Throwaway Filters, Add</i> <i>For Manual Roll Filter, Add</i> <i>For Automatic Roll Filter, Add</i> <i>For Hot Water Heating Coil, Aluminum Fins, Add</i> <i>For Electric Heating Coil, Add</i> <i>For Chilled Water Cooling Coil, Aluminum Fins, Add</i> <i>For Direct Expansion Cooling Coil, Aluminum Fins, Add</i> <i>For Steam Heating Coil, Aluminum Fins, Add</i> <i>For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add</i> <i>For Chilled Water Cooling Coil, Copper Fins, Add</i> <i>For Direct Expansion Cooling Coil, Copper Fins, Add</i> <i>For Hot Water Heating Coil, Copper Fins, Add</i> <i>For Variable Air Volume, Add</i> <i>For Economizer, Panel, Controls And Damper(s), Add</i> <i>For 2 Coils, Independent Circuits, Add</i>	20,327.85 1,671.59 3,126.47 4,653.59 7,929.59 8,584.79 3,998.39 6,619.19 6,619.19 5,963.99 5,308.79 4,292.39 7,929.59 7,274.39 5,308.79 1,834.56 2,844.77 2,294.87	5,058.83
23 73 13 00-0033	EA		20,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan <i>For Flat Filter Box And Throwaway Filters, Add</i> <i>For Medium Capacity Filter Box And Throwaway Filters, Add</i> <i>For Combination Filter Mixing Box And Throwaway Filters, Add</i> <i>For Manual Roll Filter, Add</i> <i>For Automatic Roll Filter, Add</i> <i>For Hot Water Heating Coil, Aluminum Fins, Add</i> <i>For Electric Heating Coil, Add</i> <i>For Chilled Water Cooling Coil, Aluminum Fins, Add</i> <i>For Direct Expansion Cooling Coil, Aluminum Fins, Add</i> <i>For Steam Heating Coil, Aluminum Fins, Add</i> <i>For Welded Exterior Waterproof Casing, Double Wall, With Insulation, Add</i> <i>For Chilled Water Cooling Coil, Copper Fins, Add</i> <i>For Direct Expansion Cooling Coil, Copper Fins, Add</i> <i>For Hot Water Heating Coil, Copper Fins, Add</i> <i>For Variable Air Volume, Add</i> <i>For Economizer, Panel, Controls And Damper(s), Add</i> <i>For 2 Coils, Independent Circuits, Add</i>	22,556.28 1,868.01 3,503.44 5,956.59 8,473.25 8,917.37 3,736.01 4,032.09 6,696.79 5,956.59 5,216.40 4,088.59 8,177.17 7,436.98 5,956.59 2,072.54 3,091.67 2,551.71	5,423.43



Heating, Ventilating, And Air-Conditioning (HVAC)	23
Central HVAC Equipment	23 70
Indoor Central-Station Air-Handling Units	23 73

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 73 13 00-0034 EA 22,500 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan <i>For Flat Filter Box And Throwaway Filters, Add</i> <i>For Medium Capacity Filter Box And Throwaway Filters, Add</i> <i>For Combination Filter Mixing Box And Throwaway Filters, Add</i> <i>For Manual Roll Filter, Add</i> <i>For Automatic Roll Filter, Add</i> <i>For Hot Water Heating Coil, Aluminum Fins, Add</i> <i>For Electric Heating Coil, Add</i> <i>For Chilled Water Cooling Coil, Aluminum Fins, Add</i> <i>For Direct Expansion Cooling Coil, Aluminum Fins, Add</i> <i>For Steam Heating Coil, Aluminum Fins, Add</i> <i>For Welded Exterior Waterproof Casing, Double Wall, With Insulation, Add</i> <i>For Chilled Water Cooling Coil, Copper Fins, Add</i> <i>For Direct Expansion Cooling Coil, Copper Fins, Add</i> <i>For Hot Water Heating Coil, Copper Fins, Add</i> <i>For Variable Air Volume, Add</i> <i>For Economizer, Panel, Controls And Damper(s), Add</i> <i>For 2 Coils, Independent Circuits, Add</i>	24,948.50 2,075.84 3,900.27 6,636.92 9,453.53 9,950.58 4,151.68 4,483.04 7,465.33 6,636.92 5,808.51 4,561.08 9,122.16 8,293.75 6,636.92 2,319.56 3,201.54 2,826.22	5,844.98
23 73 13 00-0035 EA 25,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan <i>For Flat Filter Box And Throwaway Filters, Add</i> <i>For Medium Capacity Filter Box And Throwaway Filters, Add</i> <i>For Combination Filter Mixing Box And Throwaway Filters, Add</i> <i>For Manual Roll Filter, Add</i> <i>For Automatic Roll Filter, Add</i> <i>For Hot Water Heating Coil, Aluminum Fins, Add</i> <i>For Electric Heating Coil, Add</i> <i>For Chilled Water Cooling Coil, Aluminum Fins, Add</i> <i>For Direct Expansion Cooling Coil, Aluminum Fins, Add</i> <i>For Steam Heating Coil, Aluminum Fins, Add</i> <i>For Welded Exterior Waterproof Casing, Double Wall, With Insulation, Add</i> <i>For Chilled Water Cooling Coil, Copper Fins, Add</i> <i>For Direct Expansion Cooling Coil, Copper Fins, Add</i> <i>For Hot Water Heating Coil, Copper Fins, Add</i> <i>For Variable Air Volume, Add</i> <i>For Economizer, Panel, Controls And Damper(s), Add</i> <i>For 2 Coils, Independent Circuits, Add</i>	27,522.89 2,304.61 4,340.62 7,394.63 10,551.43 11,108.51 4,609.23 4,980.61 8,323.10 7,394.63 6,466.17 5,090.02 10,180.04 9,251.57 7,394.63 2,599.71 3,301.86 3,123.68	6,262.77
23 73 13 00-0036 EA 27,500 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan <i>For Flat Filter Box And Throwaway Filters, Add</i> <i>For Medium Capacity Filter Box And Throwaway Filters, Add</i> <i>For Combination Filter Mixing Box And Throwaway Filters, Add</i> <i>For Manual Roll Filter, Add</i> <i>For Automatic Roll Filter, Add</i> <i>For Hot Water Heating Coil, Aluminum Fins, Add</i> <i>For Electric Heating Coil, Add</i> <i>For Chilled Water Cooling Coil, Aluminum Fins, Add</i> <i>For Direct Expansion Cooling Coil, Aluminum Fins, Add</i> <i>For Steam Heating Coil, Aluminum Fins, Add</i> <i>For Welded Exterior Waterproof Casing, Double Wall, With Insulation, Add</i> <i>For Chilled Water Cooling Coil, Copper Fins, Add</i> <i>For Direct Expansion Cooling Coil, Copper Fins, Add</i> <i>For Hot Water Heating Coil, Copper Fins, Add</i> <i>For Variable Air Volume, Add</i> <i>For Economizer, Panel, Controls And Damper(s), Add</i> <i>For 2 Coils, Independent Circuits, Add</i>	33,386.83 2,857.09 5,425.23 9,277.44 13,315.80 14,028.45 5,714.19 6,189.29 10,465.19 9,277.44 8,089.69 6,420.35 12,840.70 11,652.94 9,277.44 3,325.70 3,420.57 3,813.78	6,744.85
23 73 13 00-0037 EA 30,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan <i>For Flat Filter Box And Throwaway Filters, Add</i> <i>For Medium Capacity Filter Box And Throwaway Filters, Add</i> <i>For Combination Filter Mixing Box And Throwaway Filters, Add</i> <i>For Manual Roll Filter, Add</i> <i>For Automatic Roll Filter, Add</i> <i>For Hot Water Heating Coil, Aluminum Fins, Add</i> <i>For Electric Heating Coil, Add</i> <i>For Chilled Water Cooling Coil, Aluminum Fins, Add</i> <i>For Direct Expansion Cooling Coil, Aluminum Fins, Add</i> <i>For Steam Heating Coil, Aluminum Fins, Add</i> <i>For Welded Exterior Waterproof Casing, Double Wall, With Insulation, Add</i> <i>For Chilled Water Cooling Coil, Copper Fins, Add</i> <i>For Direct Expansion Cooling Coil, Copper Fins, Add</i> <i>For Hot Water Heating Coil, Copper Fins, Add</i> <i>For Variable Air Volume, Add</i> <i>For Economizer, Panel, Controls And Damper(s), Add</i> <i>For 2 Coils, Independent Circuits, Add</i>	37,130.40 3,199.20 6,090.09 10,426.42 14,991.52 15,797.12 6,398.39 6,935.46 11,769.10 10,426.42 9,083.74 7,227.22 14,454.45 13,111.77 10,426.42 3,759.49 3,306.53 4,250.11	7,199.13

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 70 Central HVAC Equipment****23 73 Indoor Central-Station Air-Handling Units**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 73 13 00-0038 EA 32,500 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan For Flat Filter Box And Throwaway Filters, Add For Medium Capacity Filter Box And Throwaway Filters, Add For Combination Filter Mixing Box And Throwaway Filters, Add For Manual Roll Filter, Add For Automatic Roll Filter, Add For Hot Water Heating Coil, Aluminum Fins, Add For Electric Heating Coil, Add For Chilled Water Cooling Coil, Aluminum Fins, Add For Direct Expansion Cooling Coil, Aluminum Fins, Add For Steam Heating Coil, Aluminum Fins, Add For Welded Exterior Waterproof Casing, Double Wall, With Insulation, Add For Chilled Water Cooling Coil, Copper Fins, Add For Direct Expansion Cooling Coil, Copper Fins, Add For Hot Water Heating Coil, Copper Fins, Add For Variable Air Volume, Add For Economizer, Panel, Controls And Damper(s), Add For 2 Coils, Independent Circuits, Add	40,612.53 3,507.79 6,683.49 11,447.05 16,469.38 17,355.68 7,015.57 7,606.43 12,924.20 11,447.05 9,969.89 7,939.26 15,878.52 14,401.36 11,447.05 4,136.04 3,425.40 4,652.12	7,752.40
23 73 13 00-0039 EA 35,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan For Flat Filter Box And Throwaway Filters, Add For Medium Capacity Filter Box And Throwaway Filters, Add For Combination Filter Mixing Box And Throwaway Filters, Add For Manual Roll Filter, Add For Automatic Roll Filter, Add For Hot Water Heating Coil, Aluminum Fins, Add For Electric Heating Coil, Add For Chilled Water Cooling Coil, Aluminum Fins, Add For Direct Expansion Cooling Coil, Aluminum Fins, Add For Steam Heating Coil, Aluminum Fins, Add For Welded Exterior Waterproof Casing, Double Wall, With Insulation, Add For Chilled Water Cooling Coil, Copper Fins, Add For Direct Expansion Cooling Coil, Copper Fins, Add For Hot Water Heating Coil, Copper Fins, Add For Variable Air Volume, Add For Economizer, Panel, Controls And Damper(s), Add For 2 Coils, Independent Circuits, Add	44,517.82 3,850.44 7,340.08 12,574.54 18,098.02 19,072.75 7,700.89 8,350.71 14,199.09 12,574.54 10,949.99 8,724.10 17,448.20 15,823.65 12,574.54 4,548.75 3,569.02 5,101.60	8,452.13
23 73 13 00-0040 EA 37,500 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan For Flat Filter Box And Throwaway Filters, Add For Medium Capacity Filter Box And Throwaway Filters, Add For Combination Filter Mixing Box And Throwaway Filters, Add For Manual Roll Filter, Add For Automatic Roll Filter, Add For Hot Water Heating Coil, Aluminum Fins, Add For Electric Heating Coil, Add For Chilled Water Cooling Coil, Aluminum Fins, Add For Direct Expansion Cooling Coil, Aluminum Fins, Add For Steam Heating Coil, Aluminum Fins, Add For Welded Exterior Waterproof Casing, Double Wall, With Insulation, Add For Chilled Water Cooling Coil, Copper Fins, Add For Direct Expansion Cooling Coil, Copper Fins, Add For Hot Water Heating Coil, Copper Fins, Add For Variable Air Volume, Add For Economizer, Panel, Controls And Damper(s), Add For 2 Coils, Independent Circuits, Add	47,845.05 4,146.98 7,911.45 13,558.16 19,524.25 20,577.08 8,293.97 8,995.86 15,312.89 13,558.16 11,803.43 9,411.18 18,822.35 17,067.62 13,558.16 4,913.25 3,677.56 5,486.40	8,929.55
23 73 13 00-0041 EA 40,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan For Flat Filter Box And Throwaway Filters, Add For Medium Capacity Filter Box And Throwaway Filters, Add For Combination Filter Mixing Box And Throwaway Filters, Add For Manual Roll Filter, Add For Automatic Roll Filter, Add For Hot Water Heating Coil, Aluminum Fins, Add For Electric Heating Coil, Add For Chilled Water Cooling Coil, Aluminum Fins, Add For Direct Expansion Cooling Coil, Aluminum Fins, Add For Steam Heating Coil, Aluminum Fins, Add For Welded Exterior Waterproof Casing, Double Wall, With Insulation, Add For Chilled Water Cooling Coil, Copper Fins, Add For Direct Expansion Cooling Coil, Copper Fins, Add For Hot Water Heating Coil, Copper Fins, Add For Variable Air Volume, Add For Economizer, Panel, Controls And Damper(s), Add For 2 Coils, Independent Circuits, Add	51,583.88 4,473.79 8,536.81 14,631.35 21,072.97 22,209.73 8,947.57 9,705.41 16,525.95 14,631.35 12,736.76 10,157.57 20,315.13 18,420.54 14,631.35 5,304.86 3,541.50 5,916.23	9,552.44



Heating, Ventilating, And Air-Conditioning (HVAC)	23
Central HVAC Equipment	23 70
Indoor Central-Station Air-Handling Units	23 73

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 73 13 00-0042 EA 45,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan <i>For Flat Filter Box And Throwaway Filters, Add</i> <i>For Medium Capacity Filter Box And Throwaway Filters, Add</i> <i>For Combination Filter Mixing Box And Throwaway Filters, Add</i> <i>For Manual Roll Filter, Add</i> <i>For Automatic Roll Filter, Add</i> <i>For Hot Water Heating Coil, Aluminum Fins, Add</i> <i>For Electric Heating Coil, Add</i> <i>For Chilled Water Cooling Coil, Aluminum Fins, Add</i> <i>For Direct Expansion Cooling Coil, Aluminum Fins, Add</i> <i>For Steam Heating Coil, Aluminum Fins, Add</i> <i>For Welded Exterior Waterproof Casing, Double Wall, With Insulation, Add</i> <i>For Chilled Water Cooling Coil, Copper Fins, Add</i> <i>For Direct Expansion Cooling Coil, Copper Fins, Add</i> <i>For Hot Water Heating Coil, Copper Fins, Add</i> <i>For Variable Air Volume, Add</i> <i>For Economizer, Panel, Controls And Damper(s), Add</i> <i>For 2 Coils, Independent Circuits, Add</i>	55,660.57 4,829.32 9,216.59 15,797.50 22,754.89 23,982.66 9,658.64 10,477.15 17,843.79 15,797.50 13,751.22 10,968.19 21,936.37 19,890.08 15,797.50 5,729.61 3,671.85 6,384.57	10,313.96
23 73 13 00-0043 EA 47,500 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan <i>For Flat Filter Box And Throwaway Filters, Add</i> <i>For Medium Capacity Filter Box And Throwaway Filters, Add</i> <i>For Combination Filter Mixing Box And Throwaway Filters, Add</i> <i>For Manual Roll Filter, Add</i> <i>For Automatic Roll Filter, Add</i> <i>For Hot Water Heating Coil, Aluminum Fins, Add</i> <i>For Electric Heating Coil, Add</i> <i>For Chilled Water Cooling Coil, Aluminum Fins, Add</i> <i>For Direct Expansion Cooling Coil, Aluminum Fins, Add</i> <i>For Steam Heating Coil, Aluminum Fins, Add</i> <i>For Welded Exterior Waterproof Casing, Double Wall, With Insulation, Add</i> <i>For Chilled Water Cooling Coil, Copper Fins, Add</i> <i>For Direct Expansion Cooling Coil, Copper Fins, Add</i> <i>For Hot Water Heating Coil, Copper Fins, Add</i> <i>For Variable Air Volume, Add</i> <i>For Economizer, Panel, Controls And Damper(s), Add</i> <i>For 2 Coils, Independent Circuits, Add</i>	58,001.65 5,030.29 9,598.65 16,451.20 23,693.90 24,972.03 10,060.58 10,912.66 18,581.41 16,451.20 14,320.99 11,420.91 22,841.82 20,711.61 16,451.20 5,964.58 3,754.69 6,652.25	10,798.40
23 73 13 00-0044 EA 50,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan <i>For Flat Filter Box And Throwaway Filters, Add</i> <i>For Medium Capacity Filter Box And Throwaway Filters, Add</i> <i>For Combination Filter Mixing Box And Throwaway Filters, Add</i> <i>For Manual Roll Filter, Add</i> <i>For Automatic Roll Filter, Add</i> <i>For Hot Water Heating Coil, Aluminum Fins, Add</i> <i>For Electric Heating Coil, Add</i> <i>For Chilled Water Cooling Coil, Aluminum Fins, Add</i> <i>For Direct Expansion Cooling Coil, Aluminum Fins, Add</i> <i>For Steam Heating Coil, Aluminum Fins, Add</i> <i>For Welded Exterior Waterproof Casing, Double Wall, With Insulation, Add</i> <i>For Chilled Water Cooling Coil, Copper Fins, Add</i> <i>For Direct Expansion Cooling Coil, Copper Fins, Add</i> <i>For Hot Water Heating Coil, Copper Fins, Add</i> <i>For Variable Air Volume, Add</i> <i>For Economizer, Panel, Controls And Damper(s), Add</i> <i>For 2 Coils, Independent Circuits, Add</i>	60,203.27 5,219.98 9,959.76 17,069.43 24,582.82 25,908.71 10,439.97 11,323.90 19,279.25 17,069.43 14,859.61 11,849.45 23,698.89 21,489.07 17,069.43 6,187.50 3,830.86 6,904.26	11,213.73
23 73 13 00-0045 EA 55,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan <i>For Flat Filter Box And Throwaway Filters, Add</i> <i>For Medium Capacity Filter Box And Throwaway Filters, Add</i> <i>For Combination Filter Mixing Box And Throwaway Filters, Add</i> <i>For Manual Roll Filter, Add</i> <i>For Automatic Roll Filter, Add</i> <i>For Hot Water Heating Coil, Aluminum Fins, Add</i> <i>For Electric Heating Coil, Add</i> <i>For Chilled Water Cooling Coil, Aluminum Fins, Add</i> <i>For Direct Expansion Cooling Coil, Aluminum Fins, Add</i> <i>For Steam Heating Coil, Aluminum Fins, Add</i> <i>For Welded Exterior Waterproof Casing, Double Wall, With Insulation, Add</i> <i>For Chilled Water Cooling Coil, Copper Fins, Add</i> <i>For Direct Expansion Cooling Coil, Copper Fins, Add</i> <i>For Hot Water Heating Coil, Copper Fins, Add</i> <i>For Variable Air Volume, Add</i> <i>For Economizer, Panel, Controls And Damper(s), Add</i> <i>For 2 Coils, Independent Circuits, Add</i>	64,861.74 5,630.43 10,747.40 18,422.86 26,539.81 27,972.22 11,260.85 12,215.79 20,810.20 18,422.86 16,035.53 12,792.44 25,584.88 23,197.54 18,422.86 6,684.55 3,969.37 7,441.11	11,975.16

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 70 Central HVAC Equipment****23 73 Indoor Central-Station Air-Handling Units**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 73 13 00-0046	EA		60,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan 70,814.36	12,805.80	
			<i>For Flat Filter Box And Throwaway Filters, Add</i>	6,165.82	
			<i>For Medium Capacity Filter Box And Throwaway Filters, Add</i>	11,782.27	
			<i>For Combination Filter Mixing Box And Throwaway Filters, Add</i>	20,206.95	
			<i>For Manual Roll Filter, Add</i>	29,132.31	
			<i>For Automatic Roll Filter, Add</i>	30,707.37	
			<i>For Hot Water Heating Coil, Aluminum Fins, Add</i>	12,331.64	
			<i>For Electric Heating Coil, Add</i>	13,381.68	
			<i>For Chilled Water Cooling Coil, Aluminum Fins, Add</i>	22,832.06	
			<i>For Direct Expansion Cooling Coil, Aluminum Fins, Add</i>	20,206.95	
			<i>For Steam Heating Coil, Aluminum Fins, Add</i>	17,581.85	
			<i>For Welded Exterior Waterproof Casing, Double Wall, With Insulation, Add</i>	14,041.13	
			<i>For Chilled Water Cooling Coil, Copper Fins, Add</i>	28,082.26	
			<i>For Direct Expansion Cooling Coil, Copper Fins, Add</i>	25,457.16	
			<i>For Hot Water Heating Coil, Copper Fins, Add</i>	20,206.95	
			<i>For Variable Air Volume, Add</i>	7,350.29	
			<i>For Economizer, Panel, Controls And Damper(s), Add</i>	3,731.23	
			<i>For 2 Coils, Independent Circuits, Add</i>	8,131.48	
23 73 13 00-0047	EA		65,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan 77,529.58	13,844.11	
			<i>For Flat Filter Box And Throwaway Filters, Add</i>	6,764.09	
			<i>For Medium Capacity Filter Box And Throwaway Filters, Add</i>	12,934.87	
			<i>For Combination Filter Mixing Box And Throwaway Filters, Add</i>	22,191.03	
			<i>For Manual Roll Filter, Add</i>	32,008.92	
			<i>For Automatic Roll Filter, Add</i>	33,741.48	
			<i>For Hot Water Heating Coil, Aluminum Fins, Add</i>	13,528.19	
			<i>For Electric Heating Coil, Add</i>	14,683.23	
			<i>For Chilled Water Cooling Coil, Aluminum Fins, Add</i>	25,078.64	
			<i>For Direct Expansion Cooling Coil, Aluminum Fins, Add</i>	22,191.03	
			<i>For Steam Heating Coil, Aluminum Fins, Add</i>	19,303.41	
			<i>For Welded Exterior Waterproof Casing, Double Wall, With Insulation, Add</i>	15,426.94	
			<i>For Chilled Water Cooling Coil, Copper Fins, Add</i>	30,853.87	
			<i>For Direct Expansion Cooling Coil, Copper Fins, Add</i>	27,966.26	
			<i>For Hot Water Heating Coil, Copper Fins, Add</i>	22,191.03	
			<i>For Variable Air Volume, Add</i>	8,085.32	
			<i>For Economizer, Panel, Controls And Damper(s), Add</i>	3,877.73	
			<i>For 2 Coils, Independent Circuits, Add</i>	8,908.00	
23 73 13 00-0048	EA		70,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan 85,037.44	15,020.86	
			<i>For Flat Filter Box And Throwaway Filters, Add</i>	7,428.89	
			<i>For Medium Capacity Filter Box And Throwaway Filters, Add</i>	14,212.87	
			<i>For Combination Filter Mixing Box And Throwaway Filters, Add</i>	24,388.85	
			<i>For Manual Roll Filter, Add</i>	35,190.72	
			<i>For Automatic Roll Filter, Add</i>	37,096.93	
			<i>For Hot Water Heating Coil, Aluminum Fins, Add</i>	14,857.79	
			<i>For Electric Heating Coil, Add</i>	16,128.59	
			<i>For Chilled Water Cooling Coil, Aluminum Fins, Add</i>	27,565.87	
			<i>For Direct Expansion Cooling Coil, Aluminum Fins, Add</i>	24,388.85	
			<i>For Steam Heating Coil, Aluminum Fins, Add</i>	21,211.83	
			<i>For Welded Exterior Waterproof Casing, Double Wall, With Insulation, Add</i>	16,959.95	
			<i>For Chilled Water Cooling Coil, Copper Fins, Add</i>	33,919.91	
			<i>For Direct Expansion Cooling Coil, Copper Fins, Add</i>	30,742.89	
			<i>For Hot Water Heating Coil, Copper Fins, Add</i>	24,388.85	
			<i>For Variable Air Volume, Add</i>	8,895.66	
			<i>For Economizer, Panel, Controls And Damper(s), Add</i>	4,049.70	
			<i>For 2 Coils, Independent Circuits, Add</i>	9,774.55	
23 73 13 00-0049			Multi-Zone Units <small>(23 73 13)</small>		
			Note: Horizontal/vertical blow-thru fan, motor and cabinet.		
23 73 13 00-0050	EA		1,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan 5,222.10	1,245.77	
			<i>For Economizer, Panel, Controls And Damper(s), Add</i>	1,885.54	
			<i>For Flat Filter Box And Throwaway Filters, Add</i>	433.24	
			<i>For Medium Capacity Filter Box And Throwaway Filters, Add</i>	813.11	
			<i>For Combination Filter Mixing Box And Throwaway Filters, Add</i>	1,038.62	
			<i>For Manual Roll Filter, Add</i>	2,071.45	
			<i>For Automatic Roll Filter, Add</i>	2,071.45	
			<i>For Hot Water Heating Coil, Aluminum Fins, Add</i>	522.21	
			<i>For Electric Heating Coil, Add</i>	591.07	
			<i>For Chilled Water Cooling Coil, Aluminum Fins, Add</i>	1,727.18	
			<i>For Direct Expansion Cooling Coil, Aluminum Fins, Add</i>	1,727.18	
			<i>For Chilled Water Cooling Coil, Copper Fins, Add</i>	2,071.45	
			<i>For Direct Expansion Cooling Coil, Copper Fins, Add</i>	2,071.45	
			<i>For 2 Coils, Independent Circuits, Add</i>	591.07	
23 73 13 00-0051	EA		1,200 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan 6,511.62	1,560.72	
			<i>For Economizer, Panel, Controls And Damper(s), Add</i>	2,200.78	
			<i>For Flat Filter Box And Throwaway Filters, Add</i>	539.68	
			<i>For Medium Capacity Filter Box And Throwaway Filters, Add</i>	1,012.46	
			<i>For Combination Filter Mixing Box And Throwaway Filters, Add</i>	1,293.45	
			<i>For Manual Roll Filter, Add</i>	2,578.03	
			<i>For Automatic Roll Filter, Add</i>	2,578.03	
			<i>For Hot Water Heating Coil, Aluminum Fins, Add</i>	651.16	
			<i>For Electric Heating Coil, Add</i>	736.80	
			<i>For Chilled Water Cooling Coil, Aluminum Fins, Add</i>	2,149.84	
			<i>For Direct Expansion Cooling Coil, Aluminum Fins, Add</i>	2,149.84	
			<i>For Chilled Water Cooling Coil, Copper Fins, Add</i>	2,578.03	
			<i>For Direct Expansion Cooling Coil, Copper Fins, Add</i>	2,578.03	
			<i>For 2 Coils, Independent Circuits, Add</i>	736.80	



Heating, Ventilating, And Air-Conditioning (HVAC)	23
Central HVAC Equipment	23 70
Indoor Central-Station Air-Handling Units	23 73

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 73 13 00-0052 EA 1,600 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	7,924.25	1,661.10
For Economizer, Panel, Controls And Damper(s), Add	2,300.96	
For Flat Filter Box And Throwaway Filters, Add	673.79	
For Medium Capacity Filter Box And Throwaway Filters, Add	1,276.39	
For Combination Filter Mixing Box And Throwaway Filters, Add	1,625.14	
For Manual Roll Filter, Add	3,290.58	
For Automatic Roll Filter, Add	3,290.58	
For Hot Water Heating Coil, Aluminum Fins, Add	792.43	
For Electric Heating Coil, Add	903.45	
For Chilled Water Cooling Coil, Aluminum Fins, Add	2,735.43	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	2,735.43	
For Chilled Water Cooling Coil, Copper Fins, Add	3,290.58	
For Direct Expansion Cooling Coil, Copper Fins, Add	3,290.58	
For 2 Coils, Independent Circuits, Add	903.45	
23 73 13 00-0053 EA 2,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	8,264.03	1,778.77
For Economizer, Panel, Controls And Damper(s), Add	2,418.31	
For Flat Filter Box And Throwaway Filters, Add	699.38	
For Medium Capacity Filter Box And Throwaway Filters, Add	1,322.55	
For Combination Filter Mixing Box And Throwaway Filters, Add	1,684.94	
For Manual Roll Filter, Add	3,402.02	
For Automatic Roll Filter, Add	3,402.02	
For Hot Water Heating Coil, Aluminum Fins, Add	826.40	
For Electric Heating Coil, Add	940.87	
For Chilled Water Cooling Coil, Aluminum Fins, Add	2,829.66	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	2,829.66	
For Chilled Water Cooling Coil, Copper Fins, Add	3,402.02	
For Direct Expansion Cooling Coil, Copper Fins, Add	3,402.02	
For 2 Coils, Independent Circuits, Add	940.87	
23 73 13 00-0054 EA 2,500 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	9,588.14	1,906.83
For Economizer, Panel, Controls And Damper(s), Add	2,546.90	
For Flat Filter Box And Throwaway Filters, Add	822.61	
For Medium Capacity Filter Box And Throwaway Filters, Add	1,563.49	
For Combination Filter Mixing Box And Throwaway Filters, Add	1,988.41	
For Manual Roll Filter, Add	4,047.61	
For Automatic Roll Filter, Add	4,047.61	
For Hot Water Heating Coil, Aluminum Fins, Add	958.81	
For Electric Heating Coil, Add	1,096.09	
For Chilled Water Cooling Coil, Aluminum Fins, Add	3,361.21	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	3,361.21	
For Chilled Water Cooling Coil, Copper Fins, Add	4,047.61	
For Direct Expansion Cooling Coil, Copper Fins, Add	4,047.61	
For 2 Coils, Independent Circuits, Add	1,096.09	
23 73 13 00-0055 EA 3,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	10,125.29	2,042.01
For Economizer, Panel, Controls And Damper(s), Add	2,681.91	
For Flat Filter Box And Throwaway Filters, Add	866.68	
For Medium Capacity Filter Box And Throwaway Filters, Add	1,645.85	
For Combination Filter Mixing Box And Throwaway Filters, Add	2,093.77	
For Manual Roll Filter, Add	4,256.26	
For Automatic Roll Filter, Add	4,256.26	
For Hot Water Heating Coil, Aluminum Fins, Add	1,012.53	
For Electric Heating Coil, Add	1,156.69	
For Chilled Water Cooling Coil, Aluminum Fins, Add	3,535.43	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	3,535.43	
For Chilled Water Cooling Coil, Copper Fins, Add	4,256.26	
For Direct Expansion Cooling Coil, Copper Fins, Add	4,256.26	
For 2 Coils, Independent Circuits, Add	1,156.69	
23 73 13 00-0056 EA 3,500 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	10,688.61	2,180.35
For Economizer, Panel, Controls And Damper(s), Add	2,820.18	
For Flat Filter Box And Throwaway Filters, Add	913.13	
For Medium Capacity Filter Box And Throwaway Filters, Add	1,732.83	
For Combination Filter Mixing Box And Throwaway Filters, Add	2,204.97	
For Manual Roll Filter, Add	4,477.19	
For Automatic Roll Filter, Add	4,477.19	
For Hot Water Heating Coil, Aluminum Fins, Add	1,068.86	
For Electric Heating Coil, Add	1,220.34	
For Chilled Water Cooling Coil, Aluminum Fins, Add	3,719.79	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	3,719.79	
For Chilled Water Cooling Coil, Copper Fins, Add	4,477.19	
For Direct Expansion Cooling Coil, Copper Fins, Add	4,477.19	
For 2 Coils, Independent Circuits, Add	1,220.34	
23 73 13 00-0057 EA 4,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	11,877.47	2,339.65
For Economizer, Panel, Controls And Damper(s), Add	2,584.32	
For Flat Filter Box And Throwaway Filters, Add	1,020.99	
For Medium Capacity Filter Box And Throwaway Filters, Add	1,941.93	
For Combination Filter Mixing Box And Throwaway Filters, Add	2,469.10	
For Manual Roll Filter, Add	5,031.80	
For Automatic Roll Filter, Add	5,031.80	
For Hot Water Heating Coil, Aluminum Fins, Add	1,187.75	
For Electric Heating Coil, Add	1,358.59	
For Chilled Water Cooling Coil, Aluminum Fins, Add	4,177.57	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	4,177.57	
For Chilled Water Cooling Coil, Copper Fins, Add	5,031.80	
For Direct Expansion Cooling Coil, Copper Fins, Add	5,031.80	
For 2 Coils, Independent Circuits, Add	1,358.59	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 70 Central HVAC Equipment****23 73 Indoor Central-Station Air-Handling Units**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 73 13 00-0058 EA 4,500 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	12,961.12	2,505.59
For Economizer, Panel, Controls And Damper(s), Add	2,718.78	
For Flat Filter Box And Throwaway Filters, Add	1,117.13	
For Medium Capacity Filter Box And Throwaway Filters, Add	2,126.88	
For Combination Filter Mixing Box And Throwaway Filters, Add	2,703.34	
For Manual Roll Filter, Add	5,517.80	
For Automatic Roll Filter, Add	5,517.80	
For Hot Water Heating Coil, Aluminum Fins, Add	1,296.11	
For Electric Heating Coil, Add	1,483.74	
For Chilled Water Cooling Coil, Aluminum Fins, Add	4,579.64	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	4,579.64	
For Chilled Water Cooling Coil, Copper Fins, Add	5,517.80	
For Direct Expansion Cooling Coil, Copper Fins, Add	5,517.80	
For 2 Coils, Independent Circuits, Add	1,483.74	
23 73 13 00-0059 EA 5,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	13,712.26	2,676.07
For Economizer, Panel, Controls And Damper(s), Add	2,847.88	
For Flat Filter Box And Throwaway Filters, Add	1,180.51	
For Medium Capacity Filter Box And Throwaway Filters, Add	2,246.59	
For Combination Filter Mixing Box And Throwaway Filters, Add	2,855.92	
For Manual Roll Filter, Add	5,825.29	
For Automatic Roll Filter, Add	5,825.29	
For Hot Water Heating Coil, Aluminum Fins, Add	1,371.23	
For Electric Heating Coil, Add	1,569.18	
For Chilled Water Cooling Coil, Aluminum Fins, Add	4,835.50	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	4,835.50	
For Chilled Water Cooling Coil, Copper Fins, Add	5,825.29	
For Direct Expansion Cooling Coil, Copper Fins, Add	5,825.29	
For 2 Coils, Independent Circuits, Add	1,569.18	
23 73 13 00-0060 EA 5,500 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	15,081.53	2,859.01
For Economizer, Panel, Controls And Damper(s), Add	2,997.42	
For Flat Filter Box And Throwaway Filters, Add	1,303.84	
For Medium Capacity Filter Box And Throwaway Filters, Add	2,485.10	
For Combination Filter Mixing Box And Throwaway Filters, Add	3,157.45	
For Manual Roll Filter, Add	6,456.04	
For Automatic Roll Filter, Add	6,456.04	
For Hot Water Heating Coil, Aluminum Fins, Add	1,508.15	
For Electric Heating Coil, Add	1,728.06	
For Chilled Water Cooling Coil, Aluminum Fins, Add	5,356.51	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	5,356.51	
For Chilled Water Cooling Coil, Copper Fins, Add	6,456.04	
For Direct Expansion Cooling Coil, Copper Fins, Add	6,456.04	
For 2 Coils, Independent Circuits, Add	1,728.06	
23 73 13 00-0061 EA 6,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	16,054.53	3,059.74
For Economizer, Panel, Controls And Damper(s), Add	3,153.87	
For Flat Filter Box And Throwaway Filters, Add	1,386.92	
For Medium Capacity Filter Box And Throwaway Filters, Add	2,642.72	
For Combination Filter Mixing Box And Throwaway Filters, Add	3,358.03	
For Manual Roll Filter, Add	6,863.19	
For Automatic Roll Filter, Add	6,863.19	
For Hot Water Heating Coil, Aluminum Fins, Add	1,605.45	
For Electric Heating Coil, Add	1,839.13	
For Chilled Water Cooling Coil, Aluminum Fins, Add	5,694.80	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	5,694.80	
For Chilled Water Cooling Coil, Copper Fins, Add	6,863.19	
For Direct Expansion Cooling Coil, Copper Fins, Add	6,863.19	
For 2 Coils, Independent Circuits, Add	1,839.13	
23 73 13 00-0062 EA 6,500 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	17,588.55	3,322.58
For Economizer, Panel, Controls And Damper(s), Add	3,358.52	
For Flat Filter Box And Throwaway Filters, Add	1,521.72	
For Medium Capacity Filter Box And Throwaway Filters, Add	2,901.15	
For Combination Filter Mixing Box And Throwaway Filters, Add	3,685.72	
For Manual Roll Filter, Add	7,539.46	
For Automatic Roll Filter, Add	7,539.46	
For Hot Water Heating Coil, Aluminum Fins, Add	1,758.86	
For Electric Heating Coil, Add	2,015.77	
For Chilled Water Cooling Coil, Aluminum Fins, Add	6,254.88	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	6,254.88	
For Chilled Water Cooling Coil, Copper Fins, Add	7,539.46	
For Direct Expansion Cooling Coil, Copper Fins, Add	7,539.46	
For 2 Coils, Independent Circuits, Add	2,015.77	
23 73 13 00-0063 EA 7,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	18,902.96	3,578.80
For Economizer, Panel, Controls And Damper(s), Add	3,560.73	
For Flat Filter Box And Throwaway Filters, Add	1,634.78	
For Medium Capacity Filter Box And Throwaway Filters, Add	3,116.24	
For Combination Filter Mixing Box And Throwaway Filters, Add	3,959.18	
For Manual Roll Filter, Add	8,096.94	
For Automatic Roll Filter, Add	8,096.94	
For Hot Water Heating Coil, Aluminum Fins, Add	1,890.30	
For Electric Heating Coil, Add	2,166.15	
For Chilled Water Cooling Coil, Aluminum Fins, Add	6,717.69	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	6,717.69	
For Chilled Water Cooling Coil, Copper Fins, Add	8,096.94	
For Direct Expansion Cooling Coil, Copper Fins, Add	8,096.94	
For 2 Coils, Independent Circuits, Add	2,166.15	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 73 13 00-0064 EA 7,500 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	19,890.20	3,869.43
For Economizer, Panel, Controls And Damper(s), Add	3,146.67	
For Flat Filter Box And Throwaway Filters, Add	1,713.19	
For Medium Capacity Filter Box And Throwaway Filters, Add	3,260.87	
For Combination Filter Mixing Box And Throwaway Filters, Add	4,145.05	
For Manual Roll Filter, Add	8,457.10	
For Automatic Roll Filter, Add	8,457.10	
For Hot Water Heating Coil, Aluminum Fins, Add	1,989.02	
For Electric Heating Coil, Add	2,276.49	
For Chilled Water Cooling Coil, Aluminum Fins, Add	7,019.75	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	7,019.75	
For Chilled Water Cooling Coil, Copper Fins, Add	8,457.10	
For Direct Expansion Cooling Coil, Copper Fins, Add	8,457.10	
For 2 Coils, Independent Circuits, Add	2,276.49	
23 73 13 00-0065 EA 8,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	22,017.87	4,173.80
For Economizer, Panel, Controls And Damper(s), Add	3,326.40	
For Flat Filter Box And Throwaway Filters, Add	1,903.49	
For Medium Capacity Filter Box And Throwaway Filters, Add	3,627.99	
For Combination Filter Mixing Box And Throwaway Filters, Add	4,609.57	
For Manual Roll Filter, Add	9,425.12	
For Automatic Roll Filter, Add	9,425.12	
For Hot Water Heating Coil, Aluminum Fins, Add	2,201.79	
For Electric Heating Coil, Add	2,522.82	
For Chilled Water Cooling Coil, Aluminum Fins, Add	7,819.94	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	7,819.94	
For Chilled Water Cooling Coil, Copper Fins, Add	9,425.12	
For Direct Expansion Cooling Coil, Copper Fins, Add	9,425.12	
For 2 Coils, Independent Circuits, Add	2,522.82	
23 73 13 00-0066 EA 8,500 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	23,236.62	4,499.14
For Economizer, Panel, Controls And Damper(s), Add	3,512.66	
For Flat Filter Box And Throwaway Filters, Add	2,002.08	
For Medium Capacity Filter Box And Throwaway Filters, Add	3,811.21	
For Combination Filter Mixing Box And Throwaway Filters, Add	4,844.41	
For Manual Roll Filter, Add	9,885.90	
For Automatic Roll Filter, Add	9,885.90	
For Hot Water Heating Coil, Aluminum Fins, Add	2,323.66	
For Electric Heating Coil, Add	2,659.76	
For Chilled Water Cooling Coil, Aluminum Fins, Add	8,205.40	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	8,205.40	
For Chilled Water Cooling Coil, Copper Fins, Add	9,885.90	
For Direct Expansion Cooling Coil, Copper Fins, Add	9,885.90	
For 2 Coils, Independent Circuits, Add	2,659.76	
23 73 13 00-0067 EA 9,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	24,583.54	4,873.13
For Economizer, Panel, Controls And Damper(s), Add	3,715.76	
For Flat Filter Box And Throwaway Filters, Add	2,111.38	
For Medium Capacity Filter Box And Throwaway Filters, Add	4,014.59	
For Combination Filter Mixing Box And Throwaway Filters, Add	5,104.98	
For Manual Roll Filter, Add	10,398.22	
For Automatic Roll Filter, Add	10,398.22	
For Hot Water Heating Coil, Aluminum Fins, Add	2,458.35	
For Electric Heating Coil, Add	2,811.24	
For Chilled Water Cooling Coil, Aluminum Fins, Add	8,633.80	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	8,633.80	
For Chilled Water Cooling Coil, Copper Fins, Add	10,398.22	
For Direct Expansion Cooling Coil, Copper Fins, Add	10,398.22	
For 2 Coils, Independent Circuits, Add	2,811.24	
23 73 13 00-0068 EA 10,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	26,046.23	5,260.47
For Economizer, Panel, Controls And Damper(s), Add	3,435.96	
For Flat Filter Box And Throwaway Filters, Add	2,228.63	
For Medium Capacity Filter Box And Throwaway Filters, Add	4,231.66	
For Combination Filter Mixing Box And Throwaway Filters, Add	5,383.58	
For Manual Roll Filter, Add	10,941.48	
For Automatic Roll Filter, Add	10,941.48	
For Hot Water Heating Coil, Aluminum Fins, Add	2,604.62	
For Electric Heating Coil, Add	2,975.15	
For Chilled Water Cooling Coil, Aluminum Fins, Add	9,088.85	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	9,088.85	
For Chilled Water Cooling Coil, Copper Fins, Add	10,941.48	
For Direct Expansion Cooling Coil, Copper Fins, Add	10,941.48	
For 2 Coils, Independent Circuits, Add	2,975.15	
23 73 13 00-0069 EA 11,500 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	26,809.52	5,461.50
For Economizer, Panel, Controls And Damper(s), Add	3,526.17	
For Flat Filter Box And Throwaway Filters, Add	2,289.92	
For Medium Capacity Filter Box And Throwaway Filters, Add	4,345.23	
For Combination Filter Mixing Box And Throwaway Filters, Add	5,529.30	
For Manual Roll Filter, Add	11,225.99	
For Automatic Roll Filter, Add	11,225.99	
For Hot Water Heating Coil, Aluminum Fins, Add	2,680.95	
For Electric Heating Coil, Add	3,060.73	
For Chilled Water Cooling Coil, Aluminum Fins, Add	9,327.09	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	9,327.09	
For Chilled Water Cooling Coil, Copper Fins, Add	11,225.99	
For Direct Expansion Cooling Coil, Copper Fins, Add	11,225.99	
For 2 Coils, Independent Circuits, Add	3,060.73	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 70 Central HVAC Equipment****23 73 Indoor Central-Station Air-Handling Units**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 73 13 00-0070 EA 12,500 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	27,527.62	5,656.41
For Economizer, Panel, Controls And Damper(s), Add	3,602.81	
For Flat Filter Box And Throwaway Filters, Add	2,348.96	
For Medium Capacity Filter Box And Throwaway Filters, Add	4,455.64	
For Combination Filter Mixing Box And Throwaway Filters, Add	5,670.50	
For Manual Roll Filter, Add	11,505.98	
For Automatic Roll Filter, Add	11,505.98	
For Hot Water Heating Coil, Aluminum Fins, Add	2,752.76	
For Electric Heating Coil, Add	3,141.79	
For Chilled Water Cooling Coil, Aluminum Fins, Add	9,560.82	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	9,560.82	
For Chilled Water Cooling Coil, Copper Fins, Add	11,505.98	
For Direct Expansion Cooling Coil, Copper Fins, Add	11,505.98	
For 2 Coils, Independent Circuits, Add	3,141.79	
23 73 13 00-0071 EA 13,500 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	30,891.83	5,883.74
For Economizer, Panel, Controls And Damper(s), Add	3,085.57	
For Flat Filter Box And Throwaway Filters, Add	2,667.79	
For Medium Capacity Filter Box And Throwaway Filters, Add	5,082.75	
For Combination Filter Mixing Box And Throwaway Filters, Add	6,458.78	
For Manual Roll Filter, Add	13,197.98	
For Automatic Roll Filter, Add	13,197.98	
For Hot Water Heating Coil, Aluminum Fins, Add	3,089.18	
For Electric Heating Coil, Add	3,538.46	
For Chilled Water Cooling Coil, Aluminum Fins, Add	10,951.58	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	10,951.58	
For Chilled Water Cooling Coil, Copper Fins, Add	13,197.98	
For Direct Expansion Cooling Coil, Copper Fins, Add	13,197.98	
For 2 Coils, Independent Circuits, Add	3,538.46	
23 73 13 00-0072 EA 15,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	34,218.83	6,116.83
For Economizer, Panel, Controls And Damper(s), Add	3,264.92	
For Flat Filter Box And Throwaway Filters, Add	2,984.76	
For Medium Capacity Filter Box And Throwaway Filters, Add	5,707.25	
For Combination Filter Mixing Box And Throwaway Filters, Add	7,243.34	
For Manual Roll Filter, Add	14,886.27	
For Automatic Roll Filter, Add	14,886.27	
For Hot Water Heating Coil, Aluminum Fins, Add	3,421.88	
For Electric Heating Coil, Add	3,931.41	
For Chilled Water Cooling Coil, Aluminum Fins, Add	12,338.63	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	12,338.63	
For Chilled Water Cooling Coil, Copper Fins, Add	14,886.27	
For Direct Expansion Cooling Coil, Copper Fins, Add	14,886.27	
For 2 Coils, Independent Circuits, Add	3,931.41	
23 73 13 00-0073 EA 16,500 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	39,025.68	6,347.52
For Economizer, Panel, Controls And Damper(s), Add	3,321.01	
For Flat Filter Box And Throwaway Filters, Add	3,449.42	
For Medium Capacity Filter Box And Throwaway Filters, Add	6,626.96	
For Combination Filter Mixing Box And Throwaway Filters, Add	8,396.98	
For Manual Roll Filter, Add	17,385.81	
For Automatic Roll Filter, Add	17,385.81	
For Hot Water Heating Coil, Aluminum Fins, Add	3,902.57	
For Electric Heating Coil, Add	4,501.82	
For Chilled Water Cooling Coil, Aluminum Fins, Add	14,389.53	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	14,389.53	
For Chilled Water Cooling Coil, Copper Fins, Add	17,385.81	
For Direct Expansion Cooling Coil, Copper Fins, Add	17,385.81	
For 2 Coils, Independent Circuits, Add	4,501.82	
23 73 13 00-0074 EA 17,500 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	43,837.06	6,575.95
For Economizer, Panel, Controls And Damper(s), Add	3,377.89	
For Flat Filter Box And Throwaway Filters, Add	3,914.31	
For Medium Capacity Filter Box And Throwaway Filters, Add	7,546.98	
For Combination Filter Mixing Box And Throwaway Filters, Add	9,551.07	
For Manual Roll Filter, Add	19,885.80	
For Automatic Roll Filter, Add	19,885.80	
For Hot Water Heating Coil, Aluminum Fins, Add	4,383.71	
For Electric Heating Coil, Add	5,072.69	
For Chilled Water Cooling Coil, Aluminum Fins, Add	16,440.89	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	16,440.89	
For Chilled Water Cooling Coil, Copper Fins, Add	19,885.80	
For Direct Expansion Cooling Coil, Copper Fins, Add	19,885.80	
For 2 Coils, Independent Circuits, Add	5,072.69	
23 73 13 00-0075 EA 20,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	49,107.52	7,129.72
For Economizer, Panel, Controls And Damper(s), Add	3,517.00	
For Flat Filter Box And Throwaway Filters, Add	4,401.61	
For Medium Capacity Filter Box And Throwaway Filters, Add	6,551.50	
For Combination Filter Mixing Box And Throwaway Filters, Add	10,749.46	
For Manual Roll Filter, Add	16,588.16	
For Automatic Roll Filter, Add	20,480.63	
For Hot Water Heating Coil, Aluminum Fins, Add	4,910.75	
For Electric Heating Coil, Add	5,689.25	
For Chilled Water Cooling Coil, Aluminum Fins, Add	16,588.16	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	16,588.16	
For Steam Heating Coil, Aluminum Fins, Add	8,803.22	
For Chilled Water Cooling Coil, Copper Fins, Add	20,480.63	
For Direct Expansion Cooling Coil, Copper Fins, Add	20,480.63	
For 2 Coils, Independent Circuits, Add	5,689.25	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 73 13 00-0076 EA 22,500 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	52,973.19	7,752.70
For Economizer, Panel, Controls And Damper(s), Add	3,417.19	
For Flat Filter Box And Throwaway Filters, Add	4,746.59	
For Medium Capacity Filter Box And Throwaway Filters, Add	7,064.81	
For Combination Filter Mixing Box And Throwaway Filters, Add	11,591.11	
For Manual Roll Filter, Add	17,884.91	
For Automatic Roll Filter, Add	22,080.77	
For Hot Water Heating Coil, Aluminum Fins, Add	5,297.32	
For Electric Heating Coil, Add	6,136.49	
For Chilled Water Cooling Coil, Aluminum Fins, Add	17,884.91	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	17,884.91	
For Steam Heating Coil, Aluminum Fins, Add	9,493.18	
For Chilled Water Cooling Coil, Copper Fins, Add	22,080.77	
For Direct Expansion Cooling Coil, Copper Fins, Add	22,080.77	
For 2 Coils, Independent Circuits, Add	6,136.49	
23 73 13 00-0077 EA 25,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	62,828.86	8,375.39
For Economizer, Panel, Controls And Damper(s), Add	3,559.32	
For Flat Filter Box And Throwaway Filters, Add	5,684.78	
For Medium Capacity Filter Box And Throwaway Filters, Add	8,467.36	
For Combination Filter Mixing Box And Throwaway Filters, Add	13,912.90	
For Manual Roll Filter, Add	21,542.91	
For Automatic Roll Filter, Add	26,629.59	
For Hot Water Heating Coil, Aluminum Fins, Add	6,282.89	
For Electric Heating Coil, Add	7,300.22	
For Chilled Water Cooling Coil, Aluminum Fins, Add	21,542.91	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	21,542.91	
For Steam Heating Coil, Aluminum Fins, Add	11,369.56	
For Chilled Water Cooling Coil, Copper Fins, Add	26,629.59	
For Direct Expansion Cooling Coil, Copper Fins, Add	26,629.59	
For 2 Coils, Independent Circuits, Add	7,300.22	
23 73 13 00-0078 EA 27,500 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	70,838.64	9,067.89
For Economizer, Panel, Controls And Damper(s), Add	3,705.36	
For Flat Filter Box And Throwaway Filters, Add	6,437.08	
For Medium Capacity Filter Box And Throwaway Filters, Add	9,590.94	
For Combination Filter Mixing Box And Throwaway Filters, Add	15,769.30	
For Manual Roll Filter, Add	24,454.73	
For Automatic Roll Filter, Add	30,245.02	
For Hot Water Heating Coil, Aluminum Fins, Add	7,083.86	
For Electric Heating Coil, Add	8,241.92	
For Chilled Water Cooling Coil, Aluminum Fins, Add	24,454.73	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	24,454.73	
For Steam Heating Coil, Aluminum Fins, Add	12,874.15	
For Chilled Water Cooling Coil, Copper Fins, Add	30,245.02	
For Direct Expansion Cooling Coil, Copper Fins, Add	30,245.02	
For 2 Coils, Independent Circuits, Add	8,241.92	
23 73 13 00-0079 EA 30,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	76,758.36	9,760.39
For Economizer, Panel, Controls And Damper(s), Add	3,857.43	
For Flat Filter Box And Throwaway Filters, Add	6,978.36	
For Medium Capacity Filter Box And Throwaway Filters, Add	10,397.79	
For Combination Filter Mixing Box And Throwaway Filters, Add	17,097.16	
For Manual Roll Filter, Add	26,518.49	
For Automatic Roll Filter, Add	32,799.37	
For Hot Water Heating Coil, Aluminum Fins, Add	7,675.84	
For Electric Heating Coil, Add	8,932.01	
For Chilled Water Cooling Coil, Aluminum Fins, Add	26,518.49	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	26,518.49	
For Steam Heating Coil, Aluminum Fins, Add	13,956.72	
For Chilled Water Cooling Coil, Copper Fins, Add	32,799.37	
For Direct Expansion Cooling Coil, Copper Fins, Add	32,799.37	
For 2 Coils, Independent Circuits, Add	8,932.01	
23 73 13 00-0080 EA 32,500 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	86,015.81	11,421.10
For Economizer, Panel, Controls And Damper(s), Add	3,867.49	
For Flat Filter Box And Throwaway Filters, Add	7,786.58	
For Medium Capacity Filter Box And Throwaway Filters, Add	11,598.38	
For Combination Filter Mixing Box And Throwaway Filters, Add	19,058.96	
For Manual Roll Filter, Add	29,516.34	
For Automatic Roll Filter, Add	36,487.93	
For Hot Water Heating Coil, Aluminum Fins, Add	8,601.58	
For Electric Heating Coil, Add	9,995.90	
For Chilled Water Cooling Coil, Aluminum Fins, Add	29,516.34	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	29,516.34	
For Steam Heating Coil, Aluminum Fins, Add	15,573.17	
For Chilled Water Cooling Coil, Copper Fins, Add	36,487.93	
For Direct Expansion Cooling Coil, Copper Fins, Add	36,487.93	
For 2 Coils, Independent Circuits, Add	9,995.90	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 70 Central HVAC Equipment****23 73 Indoor Central-Station Air-Handling Units**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 73 13 00-0081 EA 35,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	86,625.45	11,836.71
For Economizer, Panel, Controls And Damper(s), Add	3,943.70	
For Flat Filter Box And Throwaway Filters, Add	7,817.07	
For Medium Capacity Filter Box And Throwaway Filters, Add	11,641.05	
For Combination Filter Mixing Box And Throwaway Filters, Add	19,119.92	
For Manual Roll Filter, Add	29,577.30	
For Automatic Roll Filter, Add	36,548.89	
For Hot Water Heating Coil, Aluminum Fins, Add	8,662.55	
For Electric Heating Coil, Add	10,056.86	
For Chilled Water Cooling Coil, Aluminum Fins, Add	29,577.30	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	29,577.30	
For Steam Heating Coil, Aluminum Fins, Add	15,634.13	
For Chilled Water Cooling Coil, Copper Fins, Add	36,548.89	
For Direct Expansion Cooling Coil, Copper Fins, Add	36,548.89	
For 2 Coils, Independent Circuits, Add	10,056.86	
23 73 13 00-0082 EA 37,500 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	90,548.75	12,251.64
For Economizer, Panel, Controls And Damper(s), Add	4,019.90	
For Flat Filter Box And Throwaway Filters, Add	8,178.91	
For Medium Capacity Filter Box And Throwaway Filters, Add	12,180.77	
For Combination Filter Mixing Box And Throwaway Filters, Add	20,009.30	
For Manual Roll Filter, Add	30,963.73	
For Automatic Roll Filter, Add	38,266.68	
For Hot Water Heating Coil, Aluminum Fins, Add	9,054.88	
For Electric Heating Coil, Add	10,515.47	
For Chilled Water Cooling Coil, Aluminum Fins, Add	30,963.73	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	30,963.73	
For Steam Heating Coil, Aluminum Fins, Add	16,357.83	
For Chilled Water Cooling Coil, Copper Fins, Add	38,266.68	
For Direct Expansion Cooling Coil, Copper Fins, Add	38,266.68	
For 2 Coils, Independent Circuits, Add	10,515.47	
23 73 13 00-0083 EA 40,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	94,882.36	13,151.90
For Economizer, Panel, Controls And Damper(s), Add	4,176.99	
For Flat Filter Box And Throwaway Filters, Add	8,549.44	
For Medium Capacity Filter Box And Throwaway Filters, Add	12,730.28	
For Combination Filter Mixing Box And Throwaway Filters, Add	20,904.21	
For Manual Roll Filter, Add	32,320.18	
For Automatic Roll Filter, Add	39,930.83	
For Hot Water Heating Coil, Aluminum Fins, Add	9,488.24	
For Electric Heating Coil, Add	11,010.37	
For Chilled Water Cooling Coil, Aluminum Fins, Add	32,320.18	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	32,320.18	
For Steam Heating Coil, Aluminum Fins, Add	17,098.88	
For Chilled Water Cooling Coil, Copper Fins, Add	39,930.83	
For Direct Expansion Cooling Coil, Copper Fins, Add	39,930.83	
For 2 Coils, Independent Circuits, Add	11,010.37	
23 73 13 00-0084 EA 45,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	102,079.31	13,844.11
For Economizer, Panel, Controls And Damper(s), Add	4,291.22	
For Flat Filter Box And Throwaway Filters, Add	9,223.44	
For Medium Capacity Filter Box And Throwaway Filters, Add	13,736.71	
For Combination Filter Mixing Box And Throwaway Filters, Add	22,566.36	
For Manual Roll Filter, Add	34,924.79	
For Automatic Roll Filter, Add	43,163.74	
For Hot Water Heating Coil, Aluminum Fins, Add	10,207.93	
For Electric Heating Coil, Add	11,855.72	
For Chilled Water Cooling Coil, Aluminum Fins, Add	34,924.79	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	34,924.79	
For Steam Heating Coil, Aluminum Fins, Add	18,446.88	
For Chilled Water Cooling Coil, Copper Fins, Add	43,163.74	
For Direct Expansion Cooling Coil, Copper Fins, Add	43,163.74	
For 2 Coils, Independent Circuits, Add	11,855.72	
23 73 13 00-0085 EA 50,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	109,650.17	14,605.53
For Economizer, Panel, Controls And Damper(s), Add	3,989.16	
For Flat Filter Box And Throwaway Filters, Add	9,920.44	
For Medium Capacity Filter Box And Throwaway Filters, Add	14,776.20	
For Combination Filter Mixing Box And Throwaway Filters, Add	24,278.81	
For Manual Roll Filter, Add	37,592.60	
For Automatic Roll Filter, Add	46,468.47	
For Hot Water Heating Coil, Aluminum Fins, Add	10,965.02	
For Electric Heating Coil, Add	12,740.19	
For Chilled Water Cooling Coil, Aluminum Fins, Add	37,592.60	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	37,592.60	
For Steam Heating Coil, Aluminum Fins, Add	19,840.88	
For Chilled Water Cooling Coil, Copper Fins, Add	46,468.47	
For Direct Expansion Cooling Coil, Copper Fins, Add	46,468.47	
For 2 Coils, Independent Circuits, Add	12,740.19	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 73 13 00-0086 EA 55,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	117,998.12	15,505.41
For Economizer, Panel, Controls And Damper(s), Add	4,113.88	
For Flat Filter Box And Throwaway Filters, Add	10,692.87	
For Medium Capacity Filter Box And Throwaway Filters, Add	15,928.61	
For Combination Filter Mixing Box And Throwaway Filters, Add	26,178.71	
For Manual Roll Filter, Add	40,557.61	
For Automatic Roll Filter, Add	50,143.54	
For Hot Water Heating Coil, Aluminum Fins, Add	11,799.81	
For Electric Heating Coil, Add	13,717.00	
For Chilled Water Cooling Coil, Aluminum Fins, Add	40,557.61	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	40,557.61	
For Steam Heating Coil, Aluminum Fins, Add	21,385.74	
For Chilled Water Cooling Coil, Copper Fins, Add	50,143.54	
For Direct Expansion Cooling Coil, Copper Fins, Add	50,143.54	
For 2 Coils, Independent Circuits, Add	13,717.00	
23 73 13 00-0087 EA 60,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	126,244.52	15,920.73
For Economizer, Panel, Controls And Damper(s), Add	4,170.36	
For Flat Filter Box And Throwaway Filters, Add	11,489.27	
For Medium Capacity Filter Box And Throwaway Filters, Add	17,120.39	
For Combination Filter Mixing Box And Throwaway Filters, Add	28,155.60	
For Manual Roll Filter, Add	43,686.74	
For Automatic Roll Filter, Add	54,040.84	
For Hot Water Heating Coil, Aluminum Fins, Add	12,624.45	
For Electric Heating Coil, Add	14,695.27	
For Chilled Water Cooling Coil, Aluminum Fins, Add	43,686.74	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	43,686.74	
For Steam Heating Coil, Aluminum Fins, Add	22,978.55	
For Chilled Water Cooling Coil, Copper Fins, Add	54,040.84	
For Direct Expansion Cooling Coil, Copper Fins, Add	54,040.84	
For 2 Coils, Independent Circuits, Add	14,695.27	
23 73 13 00-0088 Return/Supply Air Fan (23 73 13)		
Note: Includes vibration mounts.		
23 73 13 00-0089 EA 300 CFM Return Air Fan.....	2,264.42	553.66
23 73 13 00-0090 EA 500 CFM Return Air Fan.....	2,912.32	664.41
23 73 13 00-0091 EA 750 CFM Return Air Fan.....	3,041.13	692.11
23 73 13 00-0092 EA 1,000 CFM Return Air Fan.....	3,446.07	733.64
23 73 13 00-0093 EA 1,250 CFM Return Air Fan.....	3,556.46	768.25
23 73 13 00-0094 EA 1,500 CFM Return Air Fan.....	3,646.43	802.86
23 73 13 00-0095 EA 1,750 CFM Return Air Fan.....	3,827.82	844.39
23 73 13 00-0096 EA 2,000 CFM Return Air Fan.....	4,232.74	885.92
23 73 13 00-0097 EA 2,250 CFM Return Air Fan.....	4,434.35	927.46
23 73 13 00-0098 EA 2,500 CFM Return Air Fan.....	4,554.69	968.99
23 73 13 00-0099 EA 3,000 CFM Return Air Fan.....	4,844.99	1,072.82
23 73 13 00-0100 EA 3,500 CFM Return Air Fan.....	4,985.28	1,128.19
23 73 13 00-0101 EA 4,000 CFM Return Air Fan.....	5,115.42	1,176.65
23 73 13 00-0102 EA 4,500 CFM Return Air Fan.....	5,276.01	1,232.13
23 73 13 00-0103 EA 5,000 CFM Return Air Fan.....	5,425.85	1,294.43
23 73 13 00-0104 EA 5,500 CFM Return Air Fan.....	5,724.52	1,446.71
23 73 13 00-0105 EA 6,000 CFM Return Air Fan.....	6,536.93	1,716.67
23 73 13 00-0106 EA 6,500 CFM Return Air Fan.....	6,699.03	1,744.35
23 73 13 00-0107 EA 7,000 CFM Return Air Fan.....	6,769.46	1,751.28
23 73 13 00-0108 EA 8,000 CFM Return Air Fan.....	7,094.16	1,778.97
23 73 13 00-0109 EA 9,000 CFM Return Air Fan.....	7,242.50	1,799.74
23 73 13 00-0110 EA 10,000 CFM Return Air Fan.....	7,609.01	1,869.25
23 73 13 00-0111 EA 12,500 CFM Return Air Fan.....	8,063.16	1,903.47
23 73 13 00-0112 EA 15,000 CFM Return Air Fan.....	9,015.83	1,957.55
23 73 13 00-0113 EA 17,500 CFM Return Air Fan.....	9,795.90	2,062.68
23 73 13 00-0114 EA 20,000 CFM Return Air Fan.....	11,509.35	2,152.46
23 73 13 00-0115 EA 22,500 CFM Return Air Fan.....	12,050.20	2,227.51
23 73 13 00-0116 EA 25,000 CFM Return Air Fan.....	12,576.37	2,291.20
23 73 13 00-0117 EA 27,500 CFM Return Air Fan.....	13,373.95	2,519.63
23 73 13 00-0118 EA 30,000 CFM Return Air Fan.....	14,282.10	2,657.87
23 73 13 00-0119 EA 35,000 CFM Return Air Fan.....	16,006.31	2,768.53
23 73 13 00-0120 EA 40,000 CFM Return Air Fan.....	18,759.62	3,045.41
23 73 13 00-0121 EA 45,000 CFM Return Air Fan.....	22,949.48	3,460.73
23 73 13 00-0122 EA 50,000 CFM Return Air Fan.....	27,640.25	3,585.63
23 73 13 00-0123 EA 55,000 CFM Return Air Fan.....	28,901.23	3,689.16
23 73 13 00-0124 EA 60,000 CFM Return Air Fan.....	29,573.70	3,786.07
23 73 13 00-0125 EA 65,000 CFM Return Air Fan.....	31,004.26	3,952.09
23 73 13 00-0126 EA 70,000 CFM Return Air Fan.....	32,563.28	4,146.71
23 73 13 00-0127 EA 75,000 CFM Return Air Fan.....	34,974.67	4,350.11
23 73 13 00-0128 EA 80,000 CFM Return Air Fan.....	36,543.81	4,580.72
23 73 13 00-0129 EA 90,000 CFM Return Air Fan.....	37,784.01	4,841.58
23 73 13 00-0130 EA 100,000 CFM Return Air Fan.....	40,559.01	5,063.18
23 73 13 00-0131 EA 115,000 CFM Return Air Fan.....	43,567.49	5,305.36
23 73 13 00-0132 EA 130,000 CFM Return Air Fan.....	46,834.35	5,572.65
23 73 13 00-0133 EA 150,000 CFM Return Air Fan.....	51,137.36	5,869.51
23 73 13 00-0134 Removal And Reinstallation Of Air Handling Unit (23 73 13)		
Note: Air handling units with filter and coils. Includes storage and cleaning. Excludes ductwork.		

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 70 Central HVAC Equipment****23 73 Indoor Central-Station Air-Handling Units**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 73 13 00-0135	EA		Removal And Reinstallation Of Up To 11,500 CFM Air Handling Unit.....	2,535.55	
23 73 13 00-0136	EA		Removal And Reinstallation Of >11,500 To 16,500 CFM Air Handling Unit	3,439.53	
23 73 13 00-0137	EA		Removal And Reinstallation Of >16,500 To 22,000 CFM Air Handling Unit	4,278.74	
23 73 13 00-0138	EA		Removal And Reinstallation Of >22,000 CFM Air Handling Unit.....	7,806.84	
23 74 Packaged Outdoor HVAC Equipment (23 70)					
23 74 13 Packaged, Outdoor, Central-Station Air-Handling Units (23 74)					
Note: Includes throwaway filters, filter rack, and manual outside air damper. Units are shipped fully factory assembled in one piece, prewired, prepiped, charged with refrigerant, and include start-up. Excludes crane and associated personnel.					
23 74 13 00-0001			Electric Cooling, Electric Heat, Packaged, Outdoor, Central-Station Air-Handling Units (23 74 13)		
23 74 13 00-0002			Electric Cooling, Electric Heat, Self Contained Packaged Rooftop Unit (23 74 13 00-0001)		
Note: Units up to 5 tons have 13 SEER. Units >5 to 11 tons have 10.3 EER, >11 to 19 tons have 9.7 EER, >19 to 63 tons have 9.5 EER and >63 tons have 9.2 EER. Excludes crane and associated personnel. See CSI section 26 28 16 00-0001 for disconnects.					
23 74 13 00-0003	EA		2 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit	2,995.82	362.78
Note: Electric load approximately 1/2 the cooling capacity.					
For Unit Without Heat, Deduct				-340.54	
For Unit Economizer, Add				344.99	
For Equipment Base Roof Curbs, Add				242.83	
23 74 13 00-0004	EA		3 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit	4,369.35	487.16
Note: Electric load approximately 1/2 the cooling capacity.					
For Unit Without Heat, Deduct				-510.81	
For Unit Economizer, Add				505.04	
For Equipment Base Roof Curbs, Add				351.80	
23 74 13 00-0005	EA		4 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit	5,410.49	559.72
Note: Electric load approximately 1/2 the cooling capacity.					
For Unit Without Heat, Deduct				-643.66	
For Unit Economizer, Add				626.87	
For Equipment Base Roof Curbs, Add				433.77	
23 74 13 00-0006	EA		5 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit	6,576.54	601.18
Note: Electric load approximately 1/2 the cooling capacity.					
For Unit Without Heat, Deduct				-804.57	
For Unit Economizer, Add				764.93	
For Equipment Base Roof Curbs, Add				523.56	
23 74 13 00-0007	EA		7-1/2 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit	8,946.15	684.10
Note: Electric load approximately 1/2 the cooling capacity.					
For Unit Without Heat, Deduct				-1,136.69	
For Unit Economizer, Add				1,046.17	
For Equipment Base Roof Curbs, Add				705.17	
23 74 13 00-0008	EA		10 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit	13,151.29	767.02
Note: Electric load approximately 1/2 the cooling capacity.					
For Unit Without Heat, Deduct				-1,515.59	
For Unit Economizer, Add				1,517.21	
For Equipment Base Roof Curbs, Add				1,062.53	
23 74 13 00-0009	EA		12-1/2 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit	15,853.46	808.48
Note: Electric load approximately 1/2 the cooling capacity.					
For Unit Without Heat, Deduct				-1,894.49	
For Unit Economizer, Add				1,837.94	
For Equipment Base Roof Curbs, Add				1,269.60	
23 74 13 00-0010	EA		15 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit	18,721.51	891.40
Note: Electric load approximately 1/2 the cooling capacity.					
For Unit Without Heat, Deduct				-2,273.39	
For Unit Economizer, Add				2,175.27	
For Equipment Base Roof Curbs, Add				1,493.25	
23 74 13 00-0011	EA		20 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit	23,033.96	1,015.78
Note: Electric load approximately 1/2 the cooling capacity.					
For Unit Without Heat, Deduct				-2,844.07	
For Unit Economizer, Add				2,682.61	
For Equipment Base Roof Curbs, Add				1,829.38	
23 74 13 00-0012	EA		25 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit	28,613.66	1,233.45
Note: Electric load approximately 1/2 the cooling capacity.					
For Unit Without Heat, Deduct				-3,555.09	
For Unit Economizer, Add				3,335.38	
For Equipment Base Roof Curbs, Add				2,268.85	
23 74 13 00-0013	EA		30 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit	34,203.72	1,440.75
Note: Electric load approximately 1/2 the cooling capacity.					
For Unit Without Heat, Deduct				-4,266.11	
For Unit Economizer, Add				3,989.19	
For Equipment Base Roof Curbs, Add				2,709.35	
23 74 13 00-0014	EA		35 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit	39,959.62	1,699.88
Note: Electric load approximately 1/2 the cooling capacity.					
For Unit Without Heat, Deduct				-4,977.13	
For Unit Economizer, Add				4,659.58	
For Equipment Base Roof Curbs, Add				3,166.44	
23 74 13 00-0015	EA		40 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit	43,137.80	1,927.91
Note: Electric load approximately 1/2 the cooling capacity.					
For Unit Without Heat, Deduct				-5,313.92	
For Unit Economizer, Add				5,022.30	
For Equipment Base Roof Curbs, Add				3,428.13	



Heating, Ventilating, And Air-Conditioning (HVAC)		23
Central HVAC Equipment		23 70
Packaged Outdoor HVAC Equipment		23 74

23

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 74 13 00-0016 EA 50 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit	52,761.36	2,124.85
Note: Electric load approximately 1/2 the cooling capacity.		
For Unit Without Heat, Deduct	-6,642.41	
For Unit Economizer, Add	6,161.79	
For Equipment Base Roof Curbs, Add	4,169.07	
23 74 13 00-0017 EA 60 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit	60,324.02	2,539.45
Note: Electric load approximately 1/2 the cooling capacity.		
For Unit Without Heat, Deduct	-7,521.82	
For Unit Economizer, Add	7,035.31	
For Equipment Base Roof Curbs, Add	4,778.77	
23 74 13 00-0018 EA 70 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit	69,697.38	2,798.58
Note: Electric load approximately 1/2 the cooling capacity.		
For Unit Without Heat, Deduct	-8,775.46	
For Unit Economizer, Add	8,139.80	
For Equipment Base Roof Curbs, Add	5,507.16	
23 74 13 00-0019 EA 75 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit	74,238.05	2,964.42
Note: Electric load approximately 1/2 the cooling capacity.		
For Unit Without Heat, Deduct	-9,355.50	
For Unit Economizer, Add	8,671.21	
For Equipment Base Roof Curbs, Add	5,864.56	
23 74 13 00-0020 Electric Cooling, Gas Heat, Packaged, Outdoor, Central-Station Air-Handling Units		
<small>(23 74 13)</small>		
23 74 13 00-0021 Electric Cooling, Gas Heat, Self Contained Package Rooftop Unit		
<small>(23 74 13 00-0020)</small>		
Note: Units up to 5 tons have 13 SEER. Units >5 to 11 tons have 11.2 EER, >11 to 20 tons have 11 EER, >20 to 63 tons have 10 EER and >63 tons have 9.7 EER. Excludes crane and associated personnel.		
23 74 13 00-0022 EA 2 Ton Electric Cooling, 60 MBH Gas Heating, Self Contained Package Rooftop Unit.....	3,522.40	186.57
For Hot Water Heating Coil Instead Of Gas, Deduct	-156.94	
For Steam Heating Coil Instead Of Gas, Deduct	-62.78	
For Unit Economizer, Add	415.02	
For Equipment Base Roof Curb, Add	273.77	
23 74 13 00-0023 EA 3 Ton Electric Cooling, 60 MBH Gas Heating, Self Contained Package Rooftop Unit.....	3,444.33	217.67
For Hot Water Heating Coil Instead Of Gas, Deduct	-150.45	
For Steam Heating Coil Instead Of Gas, Deduct	-60.18	
For Unit Economizer, Add	404.61	
For Equipment Base Roof Curb, Add	269.21	
23 74 13 00-0024 EA 4 Ton Electric Cooling, 80 MBH Gas Heating, Self Contained Package Rooftop Unit.....	4,011.69	228.03
For Hot Water Heating Coil Instead Of Gas, Deduct	-178.30	
For Steam Heating Coil Instead Of Gas, Deduct	-71.32	
For Unit Economizer, Add	472.49	
For Equipment Base Roof Curb, Add	312.02	
23 74 13 00-0025 EA 5 Ton Electric Cooling, 100 MBH Gas Heating, Self Contained Package Rooftop Unit.....	4,541.72	279.86
For Hot Water Heating Coil Instead Of Gas, Deduct	-199.10	
For Steam Heating Coil Instead Of Gas, Deduct	-79.64	
For Unit Economizer, Add	533.81	
For Equipment Base Roof Curb, Add	354.62	
23 74 13 00-0026 EA 6 Ton Electric Cooling, 140 MBH Gas Heating, Self Contained Package Rooftop Unit.....	5,227.18	300.58
For Hot Water Heating Coil Instead Of Gas, Deduct	-231.30	
For Steam Heating Coil Instead Of Gas, Deduct	-92.52	
For Unit Economizer, Add	615.24	
For Equipment Base Roof Curb, Add	407.07	
23 74 13 00-0027 EA 7.5 Ton Electric Cooling, 150 MBH Gas Heating, Self Contained Package Rooftop Unit.....	6,628.64	321.32
For Hot Water Heating Coil Instead Of Gas, Deduct	-299.30	
For Steam Heating Coil Instead Of Gas, Deduct	-119.72	
For Unit Economizer, Add	782.58	
For Equipment Base Roof Curb, Add	513.21	
23 74 13 00-0028 EA 8.5 Ton Electric Cooling, 150 MBH Gas Heating, Self Contained Package Rooftop Unit.....	7,367.37	331.68
For Hot Water Heating Coil Instead Of Gas, Deduct	-335.20	
For Steam Heating Coil Instead Of Gas, Deduct	-134.08	
For Unit Economizer, Add	870.82	
For Equipment Base Roof Curb, Add	569.14	
23 74 13 00-0029 EA 10 Ton Electric Cooling, 200 MBH Gas Heating, Self Contained Package Rooftop Unit.....	7,801.98	342.05
For Hot Water Heating Coil Instead Of Gas, Deduct	-356.41	
For Steam Heating Coil Instead Of Gas, Deduct	-142.57	
For Unit Economizer, Add	922.76	
For Equipment Base Roof Curb, Add	601.99	
23 74 13 00-0030 EA 12.5 Ton Electric Cooling, 250 MBH Gas Heating, Self Contained Package Rooftop Unit.....	10,381.66	424.97
For Hot Water Heating Coil Instead Of Gas, Deduct	-476.59	
For Steam Heating Coil Instead Of Gas, Deduct	-190.63	
For Unit Economizer, Add	1,228.80	
For Equipment Base Roof Curb, Add	799.87	
23 74 13 00-0031 EA 15 Ton Electric Cooling, 300 MBH Gas Heating, Self Contained Package Rooftop Unit.....	12,889.34	507.89
For Hot Water Heating Coil Instead Of Gas, Deduct	-593.68	
For Steam Heating Coil Instead Of Gas, Deduct	-237.47	
For Unit Economizer, Add	1,526.41	
For Equipment Base Roof Curb, Add	992.10	
23 74 13 00-0032 EA 18 Ton Electric Cooling, 300 MBH Gas Heating, Self Contained Package Rooftop Unit.....	15,345.58	590.82
For Hot Water Heating Coil Instead Of Gas, Deduct	-708.72	
For Steam Heating Coil Instead Of Gas, Deduct	-283.49	
For Unit Economizer, Add	1,818.04	
For Equipment Base Roof Curb, Add	1,180.20	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 70 Central HVAC Equipment****23 74 Packaged Outdoor HVAC Equipment**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 74 13 00-0033 EA 20 Ton Electric Cooling, 300 MBH Gas Heating, Self Contained Package Rooftop Unit.....	17,820.40	663.37
For Hot Water Heating Coil Instead Of Gas, Deduct	-824.17	
For Steam Heating Coil Instead Of Gas, Deduct	-329.67	
For Unit Economizer, Add	2,111.71	
For Equipment Base Roof Curb, Add	1,369.96	
23 74 13 00-0034 EA 25 Ton Electric Cooling, 400 MBH Gas Heating, Self Contained Package Rooftop Unit.....	18,392.72	849.94
For Hot Water Heating Coil Instead Of Gas, Deduct	-834.64	
For Steam Heating Coil Instead Of Gas, Deduct	-333.86	
For Unit Economizer, Add	2,173.13	
For Equipment Base Roof Curb, Add	1,421.95	
23 74 13 00-0035 EA 30 Ton Electric Cooling, 500 MBH Gas Heating, Self Contained Package Rooftop Unit.....	19,254.77	1,036.51
For Hot Water Heating Coil Instead Of Gas, Deduct	-859.09	
For Steam Heating Coil Instead Of Gas, Deduct	-343.64	
For Unit Economizer, Add	2,269.11	
For Equipment Base Roof Curb, Add	1,495.93	
23 74 13 00-0036 EA 40 Ton Electric Cooling, 600 MBH Gas Heating, Self Contained Package Rooftop Unit.....	26,294.24	1,243.81
For Hot Water Heating Coil Instead Of Gas, Deduct	-1,190.85	
For Steam Heating Coil Instead Of Gas, Deduct	-476.34	
For Unit Economizer, Add	3,105.76	
For Equipment Base Roof Curb, Add	2,034.00	
23 74 13 00-0037 EA 50 Ton Electric Cooling, 750 MBH Gas Heating, Self Contained Package Rooftop Unit.....	32,374.38	1,554.77
For Hot Water Heating Coil Instead Of Gas, Deduct	-1,463.24	
For Steam Heating Coil Instead Of Gas, Deduct	-585.30	
For Unit Economizer, Add	3,822.74	
For Equipment Base Roof Curb, Add	2,505.82	
23 74 13 00-0038 EA 60 Ton Electric Cooling, 900 MBH Gas Heating, Self Contained Package Rooftop Unit.....	37,602.83	1,689.51
For Hot Water Heating Coil Instead Of Gas, Deduct	-1,711.19	
For Steam Heating Coil Instead Of Gas, Deduct	-684.48	
For Unit Economizer, Add	4,444.76	
For Equipment Base Roof Curb, Add	2,904.69	
23 74 13 00-0039 EA 80 Ton Electric Cooling, 1,000 MBH Gas Heating, Self Contained Package Rooftop Unit.....	53,518.11	2,031.56
For Hot Water Heating Coil Instead Of Gas, Deduct	-2,473.27	
For Steam Heating Coil Instead Of Gas, Deduct	-989.31	
For Unit Economizer, Add	6,341.12	
For Equipment Base Roof Curb, Add	4,115.18	
23 74 13 00-0040 EA 90 Ton Electric Cooling, 1,200 MBH Gas Heating, Self Contained Package Rooftop Unit.....	62,630.76	2,124.85
For Hot Water Heating Coil Instead Of Gas, Deduct	-2,919.57	
For Steam Heating Coil Instead Of Gas, Deduct	-1,167.83	
For Unit Economizer, Add	7,430.90	
For Equipment Base Roof Curb, Add	4,803.29	
23 74 13 00-0041 EA 100 Ton Electric Cooling, 1,350 MBH Gas Heating, Self Contained Package Rooftop Unit.....	67,444.39	2,332.15
For Hot Water Heating Coil Instead Of Gas, Deduct	-3,139.00	
For Steam Heating Coil Instead Of Gas, Deduct	-1,255.60	
For Unit Economizer, Add	8,000.04	
For Equipment Base Roof Curb, Add	5,174.94	
23 74 13 00-0042 Gas Cooling, Gas Heat, Self Contained Package Rooftop Unit <small>(23 74 13)</small>		
Note: Units up to 5 tons have 13 SEER. Units > 5 to 11 tons have 10.1 EER, >11 to 19 tons have 9.5 EER, >19 to 63 tons have 9.3 EER and >63 tons have 9.0 EER. Excludes crane and associated personnel.		
23 74 13 00-0043 EA 2 Ton Gas Cooling, 80 MBH Gas Heating, Self Contained Package Rooftop Unit.....	4,134.41	279.86
For Unit Economizer, Add	488.46	
For Equipment Base Roof Curb, Add	319.67	
23 74 13 00-0044 EA 3 Ton Gas Cooling, 90 MBH Gas Heating, Self Contained Package Rooftop Unit.....	4,458.13	321.32
For Unit Economizer, Add	526.27	
For Equipment Base Roof Curb, Add	345.24	
23 74 13 00-0045 EA 4 Ton Gas Cooling, 110 MBH Gas Heating, Self Contained Package Rooftop Unit.....	4,832.45	331.68
For Unit Economizer, Add	570.98	
For Equipment Base Roof Curb, Add	373.58	
23 74 13 00-0046 EA 5 Ton Gas Cooling, 112 MBH Gas Heating, Self Contained Package Rooftop Unit.....	5,383.23	414.61
For Unit Economizer, Add	634.79	
For Equipment Base Roof Curb, Add	417.74	
23 74 13 00-0047 EA 6 Ton Gas Cooling, 150 MBH Gas Heating, Self Contained Package Rooftop Unit.....	7,602.38	445.69
For Unit Economizer, Add	900.26	
For Equipment Base Roof Curb, Add	585.21	
23 74 13 00-0048 EA 7.5 Ton Gas Cooling, 200 MBH Gas Heating, Self Contained Package Rooftop Unit.....	9,820.80	476.79
For Unit Economizer, Add	1,165.64	
For Equipment Base Roof Curb, Add	752.63	
23 74 13 00-0049 EA 10 Ton Gas Cooling, 270 MBH Gas Heating, Self Contained Package Rooftop Unit.....	13,692.71	507.89
For Unit Economizer, Add	1,629.65	
For Equipment Base Roof Curb, Add	1,043.80	
23 74 13 00-0050 EA 12.5 Ton Gas Cooling, 335 MBH Gas Heating, Self Contained Package Rooftop Unit.....	15,743.64	632.27
For Unit Economizer, Add	1,872.24	
For Equipment Base Roof Curb, Add	1,202.02	
23 74 13 00-0051 EA 15 Ton Gas Cooling, 375 MBH Gas Heating, Self Contained Package Rooftop Unit.....	17,781.38	756.65
For Unit Economizer, Add	2,113.45	
For Equipment Base Roof Curb, Add	1,359.00	
23 74 13 00-0052 EA 18 Ton Gas Cooling, 400 MBH Gas Heating, Self Contained Package Rooftop Unit.....	23,150.71	881.04
For Unit Economizer, Add	2,754.66	
For Equipment Base Roof Curb, Add	1,765.58	
23 74 13 00-0053 EA 20 Ton Gas Cooling, 450 MBH Gas Heating, Self Contained Package Rooftop Unit.....	28,526.88	995.05
For Unit Economizer, Add	3,396.48	
For Equipment Base Roof Curb, Add	2,172.94	
23 74 13 00-0054 EA 25 Ton Gas Cooling, 525 MBH Gas Heating, Self Contained Package Rooftop Unit.....	34,070.70	1,274.91
For Unit Economizer, Add	4,054.49	
For Equipment Base Roof Curb, Add	2,597.80	



Heating, Ventilating, And Air-Conditioning (HVAC)		23
Central HVAC Equipment		23 70
Packaged Outdoor HVAC Equipment		23 74

23

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 74	13 00-0055	EA	30 Ton Gas Cooling, 650 MBH Gas Heating, Self Contained Package Rooftop Unit..... <i>For Unit Economizer, Add</i> <i>For Equipment Base Roof Curb, Add</i>	40,352.80 4,800.88 3,078.29	1,554.77
23 74	13 00-0056	EA	40 Ton Gas Cooling, 800 MBH Gas Heating, Self Contained Package Rooftop Unit..... <i>For Unit Economizer, Add</i> <i>For Equipment Base Roof Curb, Add</i>	52,318.06 6,228.62 3,985.79	1,855.35
23 74	13 00-0057	EA	50 Ton Gas Cooling, 1,000 MBH Gas Heating, Self Contained Package Rooftop Unit..... <i>For Unit Economizer, Add</i> <i>For Equipment Base Roof Curb, Add</i>	63,654.96 7,576.40 4,851.86	2,332.15
23 74	13 00-0058	EA	60 Ton Gas Cooling, 1,200 MBH Gas Heating, Self Contained Package Rooftop Unit..... <i>For Unit Economizer, Add</i> <i>For Equipment Base Roof Curb, Add</i>	71,888.71 8,559.06 5,476.13	2,539.45
23 74	13 00-0059	EA	80 Ton Gas Cooling, 1,300 MBH Gas Heating, Self Contained Package Rooftop Unit..... <i>For Unit Economizer, Add</i> <i>For Equipment Base Roof Curb, Add</i>	117,950.09 14,072.96 8,947.58	3,036.97
23 74	13 00-0060	EA	90 Ton Gas Cooling, 1,500 MBH Gas Heating, Self Contained Package Rooftop Unit..... <i>For Unit Economizer, Add</i> <i>For Equipment Base Roof Curb, Add</i>	138,689.57 16,557.96 10,507.70	3,182.09
23 74	13 00-0061	EA	100 Ton Gas Cooling, 1,700 MBH Gas Heating, Self Contained Package Rooftop Unit..... <i>For Unit Economizer, Add</i> <i>For Equipment Base Roof Curb, Add</i>	149,219.71 17,813.08 11,308.09	3,493.04

23 74 13 00-0062 Heat Pump, Packaged, Outdoor, Central-Station Air-Handling Units (23 74 13)

Note: Includes evaporator and condenser coils, electric heat, thermostatic expansion valve, compressor, evaporator and condenser fans, refrigerant charge, filter section with filter, operation and safety controls, motors, condensate drain pan, condenser coil guards, manual outside air damper, and roof curb. Excludes crane and associated personnel.

23 74 13 00-0063 Packaged Rooftop Heat Pump Units (23 74 13 00-0062)

Note: Includes evaporator and condenser coils, electric heat, thermostatic expansion valve, compressor, evaporator and condenser fans, refrigerant charge, filter section with filter, operation and safety controls, motors, condensate drain pan, condenser coil guards, manual outside air damper, and roof curb. Excludes crane and associated personnel.

23 74	13 00-0064	EA	2 Ton Packaged Rooftop Heat Pump <i>For Economizer With Outside Air Control, Add</i> <i>For Upgrade Of Economizer To OS Air Enthalpy Control, Add</i>	4,634.43 1,219.71 189.22	424.97
23 74	13 00-0065	EA	2.5 Ton Packaged Rooftop Heat Pump <i>For Economizer With Outside Air Control, Add</i> <i>For Upgrade Of Economizer To OS Air Enthalpy Control, Add</i>	4,852.61 1,280.56 197.54	445.69
23 74	13 00-0066	EA	3 Ton Packaged Rooftop Heat Pump <i>For Economizer With Outside Air Control, Add</i> <i>For Upgrade Of Economizer To OS Air Enthalpy Control, Add</i>	5,122.73 1,355.32 207.94	487.16
23 74	13 00-0067	EA	3.5 Ton Packaged Rooftop Heat Pump <i>For Economizer With Outside Air Control, Add</i> <i>For Upgrade Of Economizer To OS Air Enthalpy Control, Add</i>	5,504.50 1,281.23 222.88	518.26
23 74	13 00-0068	EA	4 Ton Packaged Rooftop Heat Pump <i>For Economizer With Outside Air Control, Add</i> <i>For Upgrade Of Economizer To OS Air Enthalpy Control, Add</i>	5,875.90 1,368.31 237.82	559.72
23 74	13 00-0069	EA	5 Ton Packaged Rooftop Heat Pump <i>For Economizer With Outside Air Control, Add</i> <i>For Upgrade Of Economizer To OS Air Enthalpy Control, Add</i>	6,303.25 1,471.75 203.62	601.18
23 74	13 00-0070	EA	6 Ton Packaged Rooftop Heat Pump <i>For Economizer With Outside Air Control, Add</i> <i>For Upgrade Of Economizer To OS Air Enthalpy Control, Add</i>	7,113.31 1,633.40 1,283.72 174.84	642.64
23 74	13 00-0071	EA	7.5 Ton Packaged Rooftop Heat Pump <i>For Economizer With Outside Air Control, Add</i> <i>For Upgrade Of Economizer To OS Air Enthalpy Control, Add</i>	9,411.97 1,645.41 1,564.87 241.62	673.73
23 74	13 00-0072	EA	8.5 Ton Packaged Rooftop Heat Pump <i>For Economizer With Outside Air Control, Add</i> <i>For Upgrade Of Economizer To OS Air Enthalpy Control, Add</i>	10,550.98 1,722.50 273.31	725.55
23 74	13 00-0073	EA	10 Ton Packaged Rooftop Heat Pump <i>For Economizer With Outside Air Control, Add</i> <i>For Upgrade Of Economizer To OS Air Enthalpy Control, Add</i>	11,423.51 1,751.82 198.00	767.02
23 74	13 00-0074	EA	12.5 Ton Packaged Rooftop Heat Pump <i>For Economizer With Outside Air Control, Add</i> <i>For Upgrade Of Economizer To OS Air Enthalpy Control, Add</i>	13,396.46 2,019.60 233.93	849.94
23 74	13 00-0075	EA	15 Ton Packaged Rooftop Heat Pump <i>For Economizer With Outside Air Control, Add</i> <i>For Upgrade Of Economizer To OS Air Enthalpy Control, Add</i>	15,359.04 2,282.19 269.87	932.86
23 74	13 00-0076	EA	17.5 Ton Packaged Rooftop Heat Pump <i>For Economizer With Outside Air Control, Add</i> <i>For Upgrade Of Economizer To OS Air Enthalpy Control, Add</i>	17,134.48 2,459.74 305.38	974.32
23 74	13 00-0077	EA	20 Ton Packaged Rooftop Heat Pump <i>For Economizer With Outside Air Control, Add</i> <i>For Upgrade Of Economizer To OS Air Enthalpy Control, Add</i>	19,075.76 2,720.20 340.88	1,015.78

23 74 13 00-0078 AAON Rooftop Units (23 74 13)

Note: The minimum EER for units 5 to 10 tons is 11.2, >10 to 20 tons is 11.0, and >20 is 10.0. See CSI section 26 28 16 00-0001 for disconnects.

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 70 Central HVAC Equipment****23 74 Packaged Outdoor HVAC Equipment**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
23 74 13 00-0079		AAON RQ Rooftop Units <small>(23 74 13 00-0078)</small>			
		Note: Includes 2" double wall foam panel construction, direct drive fan with VFD (or ECM motor), single stage on/off scroll compressor, terminal strip for field supplied thermostat, gas heat, manually adjustable OSA damper, microchannel condenser coils. Excludes economizer, controls, disconnect, freight, roof curb, items not specifically mentioned above. Excludes crane and associated personnel.			
23 74 13 00-0080	EA	2 Ton, Air Cooled Packaged Rooftop Units (AAON RQ-002)	5,533.33		207.30
		For Factory Installed And Wired Dry Bulb Economizer, Add	646.84		
		For Single Zone VAV Controls, Includes Modulating Compressor And Supply Fan, Add	701.78		
		For Factory Authorized Start Up, 4 Hour, One Trip, Add	552.51		
		For Factory Installed Non-Fused Disconnect, Add	632.33		
		For Factory Installed Exhaust Fan, Add	3,223.83		
		For Hot Water Coil In Lieu Of Gas Heat, Add	752.57		
23 74 13 00-0081	EA	3 Ton, Air Cooled Packaged Rooftop Units (AAON RQ-003)	5,958.33		217.67
		For Factory Installed And Wired Dry Bulb Economizer, Add	693.49		
		For Single Zone VAV Controls, Includes Modulating Compressor And Supply Fan, Add	752.57		
		For Factory Authorized Start Up, 4 Hour, One Trip, Add	591.90		
		For Factory Installed Non-Fused Disconnect, Add	677.94		
		For Factory Installed Exhaust Fan, Add	3,223.83		
		For Hot Water Coil In Lieu Of Gas Heat, Add	752.57		
23 74 13 00-0082	EA	4 Ton, Air Cooled Packaged Rooftop Units (AAON RQ-004)	6,071.33		228.03
		For Factory Installed And Wired Dry Bulb Economizer, Add	693.49		
		For Single Zone VAV Controls, Includes Modulating Compressor And Supply Fan, Add	752.57		
		For Factory Authorized Start Up, 4 Hour, One Trip, Add	591.90		
		For Factory Installed Non-Fused Disconnect, Add	677.94		
		For Factory Installed Exhaust Fan, Add	3,223.83		
		For Hot Water Coil In Lieu Of Gas Heat, Add	752.57		
23 74 13 00-0083	EA	5 Ton, Air Cooled Packaged Rooftop Units (AAON RQ-005)	6,173.95		248.76
		For Factory Installed And Wired Dry Bulb Economizer, Add	693.49		
		For Single Zone VAV Controls, Includes Modulating Compressor And Supply Fan, Add	752.57		
		For Factory Authorized Start Up, 4 Hour, One Trip, Add	591.90		
		For Factory Installed Non-Fused Disconnect, Add	677.94		
		For Factory Installed Exhaust Fan, Add	3,223.83		
		For Hot Water Coil In Lieu Of Gas Heat, Add	752.57		
23 74 13 00-0084	EA	6 Ton, Air Cooled Packaged Rooftop Units (AAON RQ-006)	6,749.26		259.13
		For Factory Installed And Wired Dry Bulb Economizer, Add	693.49		
		For Single Zone VAV Controls, Includes Modulating Compressor And Supply Fan, Add	752.57		
		For Factory Authorized Start Up, 4 Hour, One Trip, Add	591.90		
		For Factory Installed Non-Fused Disconnect, Add	677.94		
		For Factory Installed Exhaust Fan, Add	3,223.83		
		For Hot Water Coil In Lieu Of Gas Heat, Add	752.57		
23 74 13 00-0085		AAON RNA Rooftop Units <small>(23 74 13 00-0078)</small>			
		Note: Includes 2" double wall foam panel construction, direct drive fan with VFD, single stage on/off compressor, terminal strip for field provided thermostat, gas heat, manually adjustable OSA damper. Excludes economizer, controls, disconnect, freight, roof curb, items not specifically mentioned above. Excludes crane and associated personnel.			
23 74 13 00-0086	EA	6 Ton, Air Cooled Packaged Rooftop Units (AAON RNA-006)	8,388.12		269.50
		For Factory Installed And Wired Dry Bulb Economizer, Add	674.83		
		For Single Zone VAV Controls, Includes Modulating Compressor And Supply Fan, Add	1,036.60		
		For Factory Authorized Start Up, 4 Hour, One Trip, Add	691.41		
		For Factory Installed Non-Fused Disconnect, Add	638.55		
		For Factory Installed Exhaust Fan, Add	1,721.79		
		For Hot Water Coil In Lieu Of Gas Heat, Add	586.72		
23 74 13 00-0087	EA	7 Ton, Air Cooled Packaged Rooftop Units (AAON RNA-007)	8,988.31		290.22
		For Factory Installed And Wired Dry Bulb Economizer, Add	674.83		
		For Single Zone VAV Controls, Includes Modulating Compressor And Supply Fan, Add	1,036.60		
		For Factory Authorized Start Up, 4 Hour, One Trip, Add	691.41		
		For Factory Installed Non-Fused Disconnect, Add	638.55		
		For Factory Installed Exhaust Fan, Add	1,721.79		
		For Hot Water Coil In Lieu Of Gas Heat, Add	586.72		
23 74 13 00-0088	EA	8 Ton, Air Cooled Packaged Rooftop Units (AAON RNA-008)	10,385.64		310.96
		For Factory Installed And Wired Dry Bulb Economizer, Add	674.83		
		For Single Zone VAV Controls, Includes Modulating Compressor And Supply Fan, Add	1,036.60		
		For Factory Authorized Start Up, 4 Hour, One Trip, Add	691.41		
		For Factory Installed Non-Fused Disconnect, Add	638.55		
		For Factory Installed Exhaust Fan, Add	1,721.79		
		For Hot Water Coil In Lieu Of Gas Heat, Add	586.72		
23 74 13 00-0089	EA	10 Ton, Air Cooled Packaged Rooftop Units (AAON RNA-010)	10,502.77		342.05
		For Factory Installed And Wired Dry Bulb Economizer, Add	674.83		
		For Single Zone VAV Controls, Includes Modulating Compressor And Supply Fan, Add	1,036.60		
		For Factory Authorized Start Up, 4 Hour, One Trip, Add	691.41		
		For Factory Installed Non-Fused Disconnect, Add	638.55		
		For Factory Installed Exhaust Fan, Add	1,721.79		
		For Hot Water Coil In Lieu Of Gas Heat, Add	586.72		
23 74 13 00-0090		AAON RNB Rooftop Units <small>(23 74 13 00-0078)</small>			
		Note: Includes 2" double wall foam panel construction, direct drive fan with VFD, (1) on/off scroll compressors, terminal strip for field provided thermostat, gas heat, factory installed 3 position economizer. Excludes controls, disconnect, freight, roof curb, items not specifically mentioned above. Excludes crane and associated personnel.			



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 74 13 00-0091 EA 9 Ton, Air Cooled Packaged Rooftop Units (AAON RNB-009)	12,653.72	342.05
For Single Zone VAV Controls, Includes Modulating Compressor And Supply Fan, Add	994.10	
For Factory Authorized Start Up, 4 Hour, One Trip, Add	777.45	
For Factory Installed Non-Fused Disconnect, Add	616.78	
For Factory Installed Exhaust Fan, Add	1,641.97	
For Hot Water Coil In Lieu Of Gas Heat, Add	589.83	
23 74 13 00-0092 EA 11 Ton, Air Cooled Packaged Rooftop Units (AAON RNB-011)	12,899.39	383.51
For Single Zone VAV Controls, Includes Modulating Compressor And Supply Fan, Add	994.10	
For Factory Authorized Start Up, 4 Hour, One Trip, Add	777.45	
For Factory Installed Non-Fused Disconnect, Add	616.78	
For Factory Installed Exhaust Fan, Add	1,641.97	
For Hot Water Coil In Lieu Of Gas Heat, Add	589.83	
23 74 13 00-0093 EA 13 Ton, Air Cooled Packaged Rooftop Units (AAON RNB-013)	14,037.57	424.97
For Single Zone VAV Controls, Includes Modulating Compressor And Supply Fan, Add	994.10	
For Factory Authorized Start Up, 4 Hour, One Trip, Add	777.45	
For Factory Installed Non-Fused Disconnect, Add	616.78	
For Factory Installed Exhaust Fan, Add	1,641.97	
For Hot Water Coil In Lieu Of Gas Heat, Add	589.83	
23 74 13 00-0094 EA 15 Ton, Air Cooled Packaged Rooftop Units (AAON RNB-015)	14,360.98	466.43
For Single Zone VAV Controls, Includes Modulating Compressor And Supply Fan, Add	994.10	
For Factory Authorized Start Up, 4 Hour, One Trip, Add	777.45	
For Factory Installed Non-Fused Disconnect, Add	616.78	
For Factory Installed Exhaust Fan, Add	1,641.97	
For Hot Water Coil In Lieu Of Gas Heat, Add	589.83	
23 74 13 00-0095 AAON RNC Rooftop Units <small>(23 74 13 00-0078)</small>		
Note: Includes 2" double wall foam panel construction, direct drive fan with VFD, (2) on/off scroll compressors, terminal strip for field provided thermostat, gas heat, factory installed 3 position economizer. Excludes controls, disconnect, freight, roof curb, items not specifically mentioned above. Excludes crane and associated personnel.		
23 74 13 00-0096 EA 16 Ton, Air Cooled Packaged Rooftop Units (AAON RNC-016)	18,892.98	507.89
For Single Zone VAV Controls, Includes Modulating Compressor And Supply Fan, Add	1,467.83	
For Factory Authorized Start Up, 4 Hour, One Trip, Add	1,036.60	
For Factory Installed Non-Fused Disconnect, Add	616.78	
For Factory Installed Exhaust Fan, Add	3,011.32	
For Hot Water Coil In Lieu Of Gas Heat, Add	268.48	
23 74 13 00-0097 EA 18 Ton, Air Cooled Packaged Rooftop Units (AAON RNC-018)	20,429.22	549.35
For Single Zone VAV Controls, Includes Modulating Compressor And Supply Fan, Add	1,467.83	
For Factory Authorized Start Up, 4 Hour, One Trip, Add	1,036.60	
For Factory Installed Non-Fused Disconnect, Add	616.78	
For Factory Installed Exhaust Fan, Add	3,011.32	
For Hot Water Coil In Lieu Of Gas Heat, Add	268.48	
23 74 13 00-0098 EA 20 Ton, Air Cooled Packaged Rooftop Units (AAON RNC-020)	21,659.65	590.82
For Single Zone VAV Controls, Includes Modulating Compressor And Supply Fan, Add	1,467.83	
For Factory Authorized Start Up, 4 Hour, One Trip, Add	1,036.60	
For Factory Installed Non-Fused Disconnect, Add	616.78	
For Factory Installed Exhaust Fan, Add	3,011.32	
For Hot Water Coil In Lieu Of Gas Heat, Add	268.48	
23 74 13 00-0099 EA 25 Ton, Air Cooled Packaged Rooftop Units (AAON RNC-025)	23,211.43	673.73
For Single Zone VAV Controls, Includes Modulating Compressor And Supply Fan, Add	1,467.83	
For Factory Authorized Start Up, 4 Hour, One Trip, Add	1,036.60	
For Factory Installed Non-Fused Disconnect, Add	616.78	
For Factory Installed Exhaust Fan, Add	3,011.32	
For Hot Water Coil In Lieu Of Gas Heat, Add	268.48	
23 74 13 00-0100 EA 30 Ton, Air Cooled Packaged Rooftop Units (AAON RNC-030)	26,202.01	767.02
For Single Zone VAV Controls, Includes Modulating Compressor And Supply Fan, Add	1,467.83	
For Factory Authorized Start Up, 4 Hour, One Trip, Add	1,036.60	
For Factory Installed Non-Fused Disconnect, Add	616.78	
For Factory Installed Exhaust Fan, Add	3,011.32	
For Hot Water Coil In Lieu Of Gas Heat, Add	268.48	
23 74 13 00-0101 AAON RND Rooftop Units <small>(23 74 13 00-0078)</small>		
Note: Includes 2" double wall foam panel construction, direct drive fan with VFD, (2) variable capacity digital scroll compressor and (2) on/off compressor, VAV unit controller (varies fan speed and compressor capacity for energy savings year round), cooling only - no heat, factory installed economizer with powered exhaust fans with VFD's, (building static pressure control), factory installed non-fused disconnect, freight and factory start up. Excludes roof curb, items not specifically mentioned above. Excludes crane and associated personnel.		
23 74 13 00-0102 EA 26 Ton, Air Cooled Packaged Rooftop Units (AAON RND-026)	36,331.65	849.94
For Factory Authorized Start Up, 4 Hour, One Trip, Add	1,295.75	
For Factory Installed Non-Fused Disconnect, Add	1,403.56	
For Hot Water Coil In Lieu Of Gas Heat, Add	1,969.54	
23 74 13 00-0103 EA 31 Ton, Air Cooled Packaged Rooftop Units (AAON RND-031)	41,235.79	932.86
For Factory Authorized Start Up, 4 Hour, One Trip, Add	1,295.75	
For Factory Installed Non-Fused Disconnect, Add	1,403.56	
For Hot Water Coil In Lieu Of Gas Heat, Add	1,969.54	
23 74 13 00-0104 EA 40 Ton, Air Cooled Packaged Rooftop Units (AAON RND-040)	47,993.36	1,057.24
For Factory Authorized Start Up, 4 Hour, One Trip, Add	1,295.75	
For Factory Installed Non-Fused Disconnect, Add	1,403.56	
For Hot Water Coil In Lieu Of Gas Heat, Add	1,969.54	
23 74 13 00-0105 EA 50 Ton, Air Cooled Packaged Rooftop Units (AAON RND-050)	55,819.67	1,191.98
For Factory Authorized Start Up, 4 Hour, One Trip, Add	1,295.75	
For Factory Installed Non-Fused Disconnect, Add	1,403.56	
For Hot Water Coil In Lieu Of Gas Heat, Add	1,969.54	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 70 Central HVAC Equipment****23 74 Packaged Outdoor HVAC Equipment**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 74 13 00-0106 EA 60 Ton, Air Cooled Packaged Rooftop Units (AAON RND-060)	60,779.78	1,316.37
For Factory Authorized Start Up, 4 Hour, One Trip, Add	1,295.75	
For Factory Installed Non-Fused Disconnect, Add	1,403.56	
For Hot Water Coil In Lieu Of Gas Heat, Add	1,969.54	
23 74 13 00-0107 EA 70 Ton, Air Cooled Packaged Rooftop Units (AAON RND-070)	63,876.08	1,440.75
For Factory Authorized Start Up, 4 Hour, One Trip, Add	1,295.75	
For Factory Installed Non-Fused Disconnect, Add	1,403.56	
For Hot Water Coil In Lieu Of Gas Heat, Add	1,969.54	
23 74 13 00-0108 AAON RNE Rooftop Units <small>(23 74 13 00-0078)</small>		
Note: Includes 2" double wall foam panel construction, direct drive fan with VFD, (1 or 2) variable speed VFD controlled scroll compressor and (1 or 2) on/off compressor, VAV unit controller (varies fan speed and compressor capacity for energy savings year round), cooling only - no heat, factory installed economizer with powered exhaust fans with VFD's, (building static pressure control), Microchannel condenser coils with VFD controlled condenser fans, factory installed non fused disconnect, freight and factory start up. Excludes roof curb, items not specifically mentioned above. Excludes crane and associated personnel.		
23 74 13 00-0109 EA 55 Ton, Air Cooled Packaged Rooftop Units (AAON RNE-055)	60,089.34	1,606.59
For Factory Authorized Start Up, 4 Hour, One Trip, Add	1,463.68	
For Factory Installed Non-Fused Disconnect, Add	2,102.22	
For Hot Water Coil In Lieu Of Gas Heat, Add	2,798.82	
23 74 13 00-0110 EA 65 Ton, Air Cooled Packaged Rooftop Units (AAON RNE-065)	65,992.76	1,782.80
For Factory Authorized Start Up, 4 Hour, One Trip, Add	1,463.68	
For Factory Installed Non-Fused Disconnect, Add	2,102.22	
For Hot Water Coil In Lieu Of Gas Heat, Add	2,798.82	
23 74 13 00-0111 EA 75 Ton, Air Cooled Packaged Rooftop Units (AAON RNE-075)	70,169.19	1,948.64
For Factory Authorized Start Up, 4 Hour, One Trip, Add	1,463.68	
For Factory Installed Non-Fused Disconnect, Add	2,102.22	
For Hot Water Coil In Lieu Of Gas Heat, Add	2,798.82	
23 74 13 00-0112 EA 95 Ton, Air Cooled Packaged Rooftop Units (AAON RNE-090)	83,400.33	2,124.85
For Factory Authorized Start Up, 4 Hour, One Trip, Add	1,463.68	
For Factory Installed Non-Fused Disconnect, Add	2,102.22	
For Hot Water Coil In Lieu Of Gas Heat, Add	2,798.82	
23 74 13 00-0113 EA 105 Ton, Air Cooled Packaged Rooftop Units (AAON RNE-105)	89,834.47	2,332.15
For Factory Authorized Start Up, 4 Hour, One Trip, Add	1,463.68	
For Factory Installed Non-Fused Disconnect, Add	2,102.22	
For Hot Water Coil In Lieu Of Gas Heat, Add	2,798.82	
23 74 13 00-0114 EA 120 Ton, Air Cooled Packaged Rooftop Units (AAON RNE-120)	105,138.79	2,539.45
For Factory Authorized Start Up, 4 Hour, One Trip, Add	1,463.68	
For Factory Installed Non-Fused Disconnect, Add	2,102.22	
For Hot Water Coil In Lieu Of Gas Heat, Add	2,798.82	
23 74 13 00-0115 EA 130 Ton, Air Cooled Packaged Rooftop Units (AAON RNE-130)	107,561.29	2,757.12
For Factory Authorized Start Up, 4 Hour, One Trip, Add	1,463.68	
For Factory Installed Non-Fused Disconnect, Add	2,102.22	
For Hot Water Coil In Lieu Of Gas Heat, Add	2,798.82	
23 74 13 00-0116 EA 140 Ton, Air Cooled Packaged Rooftop Units (AAON RNE-140)	111,965.77	2,964.42
For Factory Authorized Start Up, 4 Hour, One Trip, Add	1,463.68	
For Factory Installed Non-Fused Disconnect, Add	2,102.22	
For Hot Water Coil In Lieu Of Gas Heat, Add	2,798.82	
23 74 13 00-0117 Heating Only Packaged Rooftop Units <small>(23 74 13)</small>		
Note: Includes throwaway filters and filter rack. Manual outside air damper, roof curbs and electric heat. Units are shipped fully factory assembled in one piece, prewired and include start-up. Excludes crane and associated personnel.		
23 74 13 00-0118 EA 24 MBH Electric Heating Only Self Contained Package Rooftop Unit	2,292.64	321.32
For Gas Heat, Add	147.63	
23 74 13 00-0119 EA 32 MBH Electric Heating Only Self Contained Package Rooftop Unit	2,701.29	373.14
For Gas Heat, Add	174.16	
23 74 13 00-0120 EA 45 MBH Electric Heating Only Self Contained Package Rooftop Unit	3,607.02	383.51
For Gas Heat, Add	237.15	
23 74 13 00-0121 EA 60 MBH Electric Heating Only Self Contained Package Rooftop Unit	4,213.95	487.16
For Gas Heat, Add	275.70	
23 74 13 00-0122 EA 95 MBH Electric Heating Only Self Contained Package Rooftop Unit	4,979.43	559.72
For Gas Heat, Add	326.17	
23 74 13 00-0123 EA 112 MBH Electric Heating Only Self Contained Package Rooftop Unit	5,612.72	601.18
For Gas Heat, Add	368.64	
23 74 13 00-0124 EA 140 MBH Electric Heating Only Self Contained Package Rooftop Unit	6,650.91	653.00
For Gas Heat, Add	440.07	
23 74 13 00-0125 EA 170 MBH Electric Heating Only Self Contained Package Rooftop Unit	8,497.83	673.73
For Gas Heat, Add	567.69	
23 74 13 00-0126 EA 200 MBH Electric Heating Only Self Contained Package Rooftop Unit	11,298.67	767.02
For Gas Heat, Add	760.43	
23 74 13 00-0127 EA 230 MBH Electric Heating Only Self Contained Package Rooftop Unit	13,259.88	849.94
For Gas Heat, Add	894.19	
23 74 13 00-0128 EA 270 MBH Electric Heating Only Self Contained Package Rooftop Unit	17,415.02	1,036.51
For Gas Heat, Add	1,177.59	
23 74 13 00-0129 EA 330 MBH Electric Heating Only Self Contained Package Rooftop Unit	21,772.27	1,243.81
For Gas Heat, Add	1,474.51	
23 74 13 00-0130 EA 360 MBH Electric Heating Only Self Contained Package Rooftop Unit	27,164.53	1,554.77
For Gas Heat, Add	1,839.33	
23 74 13 00-0131 EA 450 MBH Electric Heating Only Self Contained Package Rooftop Unit	32,789.03	1,699.88
For Gas Heat, Add	2,227.65	
23 74 13 00-0132 EA 540 MBH Electric Heating Only Self Contained Package Rooftop Unit	42,217.76	2,031.56
For Gas Heat, Add	2,874.19	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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23 74 23 Packaged, Outdoor, Heating-Only Makeup-Air Units (23 74)

23 74 23 00-0001			Make-Up Air Units (23 74 23) Note: Including throwaway filters. Units are shipped fully factory assembled in one piece, prewired, prepiped, charged with refrigerant, and include start-up. Excludes crane and associated personnel.		
23 74 23 00-0002			Gas-Fired Electric Spark Make-Up Air Units (23 74 23 00-0001) Note: With 2-position damper curb filter and thermostat with capillary. Excludes crane and associated personnel.		
23 74 23 00-0003	EA		100,000 BTU 1/2 HP, 1,200 CFM, Make-up Air Unit, Gas Fired, Electric Spark.....	4,375.36	466.43
			<i>For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add</i>	1,079.39	
			<i>For Equipment Base Roof Curb, Add</i>	351.47	
23 74 23 00-0004	EA		300,000 BTU 1-1/2 HP, 3,500 CFM, Make-up Air Unit, Gas Fired, Electric Spark.....	5,596.73	528.62
			<i>For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add</i>	1,412.12	
			<i>For Equipment Base Roof Curb, Add</i>	446.45	
23 74 23 00-0005	EA		500,000 BTU 2 HP, 4,000 CFM, Make-up Air Unit, Gas Fired, Electric Spark.....	7,685.26	621.90
			<i>For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add</i>	1,994.63	
			<i>For Equipment Base Roof Curb, Add</i>	607.49	
23 74 23 00-0006	EA		670,000 BTU 3 HP, 6,000 CFM, Make-up Air Unit, Gas Fired, Electric Spark.....	7,783.83	663.37
			<i>For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add</i>	2,000.87	
			<i>For Equipment Base Roof Curb, Add</i>	617.21	
23 74 23 00-0007	EA		800,000 BTU 5 HP, 7,500 CFM, Make-up Air Unit, Gas Fired, Electric Spark.....	10,495.56	746.29
			<i>For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add</i>	2,775.52	
			<i>For Equipment Base Roof Curb, Add</i>	824.48	
23 74 23 00-0008	EA		1,200,000 BTU 10 HP, 10,000 CFM, Make-up Air Unit, Gas Fired, Electric Spark.....	15,745.79	932.86
			<i>For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add</i>	4,257.31	
			<i>For Equipment Base Roof Curb, Add</i>	1,227.58	

23 74 23 00-0009 Electric Make-Up Air Units (23 74 23 00-0001)

Note: With 2-position damper curb filter and thermostat with capillary. Excludes crane and associated personnel.					
23 74 23 00-0010	EA		33 KW 1/2 HP, 1,200 CFM Make-up Air Unit, Electric.....	8,614.25	466.43
			<i>For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add</i>	2,351.06	
			<i>For Equipment Base Roof Curb, Add</i>	669.39	
23 74 23 00-0011	EA		100 KW 1-1/2 HP, 3,500 CFM Make-up Air Unit, Electric.....	12,212.23	528.62
			<i>For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add</i>	3,396.77	
			<i>For Equipment Base Roof Curb, Add</i>	942.61	
23 74 23 00-0012	EA		150 KW 2 HP, 4,000 CFM Make-up Air Unit, Electric.....	15,099.27	621.90
			<i>For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add</i>	4,218.83	
			<i>For Equipment Base Roof Curb, Add</i>	1,163.54	
23 74 23 00-0013	EA		250 KW 5 HP, 7,500 CFM Make-up Air Unit, Electric.....	19,487.65	746.29
			<i>For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add</i>	5,473.15	
			<i>For Equipment Base Roof Curb, Add</i>	1,498.89	
23 74 23 00-0014	EA		400 KW 10 HP, 10,000 CFM Make-up Air Unit, Electric.....	31,293.28	932.86
			<i>For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add</i>	8,921.55	
			<i>For Equipment Base Roof Curb, Add</i>	2,393.64	

23 76 Evaporative Air-Cooling Equipment (23 70)

23 76 13 Direct Evaporative Air Coolers (23 76)

23 76 13 00-0001			Residential Side Or Down Draft Evaporative Cooling Unit (23 76 13) Note: Includes motor, belt and pads.		
23 76 13 00-0002	EA		3,000 CFM, 1/3 HP Residential Side Or Down Draft Evaporative Cooling Unit.....	1,154.55	317.94
23 76 13 00-0003	EA		4,300 CFM, 1/3 HP Residential Side Or Down Draft Evaporative Cooling Unit.....	1,361.40	370.93
23 76 13 00-0004	EA		4,400 CFM, 1/2 HP Residential Side Or Down Draft Evaporative Cooling Unit.....	1,733.35	423.92
23 76 13 00-0005	EA		5,000 CFM, 3/4 HP Residential Side Or Down Draft Evaporative Cooling Unit.....	1,894.75	476.91
23 76 13 00-0006	EA		6,000 CFM, 3/4 HP Residential Side Or Down Draft Evaporative Cooling Unit.....	2,166.97	529.90
23 76 13 00-0007	EA		7,000 CFM, 1 HP Residential Side Or Down Draft Evaporative Cooling Unit.....	2,339.44	582.89

23 76 13 00-0008 Industrial Side Draft/Side Discharge Evaporative Coolers (23 76 13)

Note: Excludes motor starter, piping, power wiring and equipment rigging.					
23 76 13 00-0009	EA		7,500 CFM, 3/4 HP Industrial Side Or Down Draft Evaporative Cooling Unit.....	2,048.55	310.58
23 76 13 00-0010	EA		8,500 CFM, 1 HP Industrial Side Or Down Draft Evaporative Cooling Unit.....	2,114.17	320.63
23 76 13 00-0011	EA		9,500 CFM, 1 1/2 HP Industrial Side Or Down Draft Evaporative Cooling Unit.....	2,551.95	445.30
23 76 13 00-0012	EA		11,375 CFM, 2 HP Industrial Side Or Down Draft Evaporative Cooling Unit.....	5,230.56	525.63
23 76 13 00-0013	EA		13,020 CFM, 3 HP Industrial Side Or Down Draft Evaporative Cooling Unit.....	5,769.33	769.52
23 76 13 00-0014	EA		16,267 CFM, 3 HP Industrial Side Or Down Draft Evaporative Cooling Unit.....	6,576.79	820.83
23 76 13 00-0015	EA		15,438 CFM, 5 HP Industrial Side Or Down Draft Evaporative Cooling Unit.....	6,132.54	923.43
23 76 13 00-0016	EA		19,286 CFM, 5 HP Industrial Side Or Down Draft Evaporative Cooling Unit.....	7,305.78	1,154.28
23 76 13 00-0017	EA		17,672 CFM, 7-1/2 HP Industrial Side Or Down Draft Evaporative Cooling Unit.....	7,522.87	1,508.88
23 76 13 00-0018	EA		22,077 CFM, 7-1/2 HP Industrial Side Or Down Draft Evaporative Cooling Unit.....	8,298.06	1,539.04
23 76 13 00-0019	EA		24,301 CFM, 10 HP Industrial Side Or Down Draft Evaporative Cooling Unit.....	8,787.47	1,710.08
23 76 13 00-0020	EA		30,000 CFM, 20 HP Industrial Side Or Down Draft Evaporative Cooling Unit.....	11,993.54	2,671.98
23 76 13 00-0021	EA		35,000 CFM, 20 HP Industrial Side Or Down Draft Evaporative Cooling Unit.....	13,334.15	2,788.13
23 76 13 00-0022	EA		40,000 CFM, 30 HP Industrial Side Or Down Draft Evaporative Cooling Unit.....	14,695.89	2,914.84

23 80 Decentralized Unitary HVAC Equipment (23)

Note: Where required, mechanical equipment excludes electrical connection, disconnect, or starter unless title states otherwise. See CSI section 23 05 29 00-0000 for hangers and supports, 26 05 19 16-0011 for electrical connection and termination, 26 05 83 00-0130 for

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 80 Decentralized Unitary HVAC Equipment****23 76 Evaporative Air-Cooling Equipment**

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

terminations, 26 28 16 00-0001 for disconnect.

23 81 Decentralized Unitary HVAC Equipment (23 80)**23 81 13 Packaged Terminal Air-Conditioners (23 81)**

Note: Units consists of fresh air intake, throwaway filters, exhaust, automatic thermostat, hermetically sealed compressor with 5 year guarantee, "sleeve-type" construction, condensing fan motor enclosed, fan to be aluminum, three wire ground cord, multi speed fan, exposed steel parts to be phosphate bonderized with baked enamel finish and copper tubes mechanically expanded into aluminum of evaporator and condensing coils. Includes equipment rigging. Efficiency Rating (ER) not less than 9.

23 81 13 00-0001 Packaged Terminal Air-Conditioners (23 81 13)**23 81 13 00-0002 Electric Heat, Heating And Cooling, Packaged Terminal Air-Conditioners (23 81 13 00-0001)**

23 81 13 00-0003	EA	7,200 BTU, 13 EER, 230/208 Volt, Electric Heat, Heating And Cooling, Packaged Terminal Air-Conditioner.....	1,201.45	198.71
		For >35 To 70, Deduct	-24.12	
		For >70 To 100, Deduct	-40.20	
		For >100, Deduct	-56.28	
23 81 13 00-0004	EA	9,400 BTU, 12.1 EER, 230/208 Volt, Electric Heat, Heating And Cooling, Packaged Terminal Air-Conditioner.....	1,292.04	237.42
		For >35 To 70, Deduct	-24.53	
		For >70 To 100, Deduct	-40.89	
		For >100, Deduct	-57.24	
23 81 13 00-0005	EA	11,800 BTU, 11.6 EER, 230/208 Volt, Electric Heat, Heating And Cooling, Packaged Terminal Air-Conditioner.....	1,369.70	253.03
		For >35 To 70, Deduct	-25.89	
		For >70 To 100, Deduct	-43.15	
		For >100, Deduct	-60.41	
23 81 13 00-0006	EA	14,500 BTU, 10.4 EER, 230/208 Volt, Electric Heat, Heating And Cooling, Packaged Terminal Air-Conditioner.....	1,478.42	271.98
		For >35 To 70, Deduct	-28.04	
		For >70 To 100, Deduct	-46.73	
		For >100, Deduct	-65.43	

23 81 13 00-0007 Heat Pump, Heating And Cooling, Packaged Terminal Air-Conditioners (23 81 13 00-0001)

23 81 13 00-0008	EA	7,200 BTU, 13 EER, 230/208 Volt, Heat Pump, Heating And Cooling, Packaged Terminal Air-Conditioner	1,280.40	210.67
		For >35 To 70, Deduct	-25.79	
		For >70 To 100, Deduct	-42.99	
		For >100, Deduct	-60.18	
23 81 13 00-0009	EA	9,400 BTU, 12.1 EER, 230/208 Volt, Heat Pump, Heating And Cooling, Packaged Terminal Air-Conditioner	1,364.75	237.42
		For >35 To 70, Deduct	-26.71	
		For >70 To 100, Deduct	-44.52	
		For >100, Deduct	-62.33	
23 81 13 00-0010	EA	11,800 BTU, 11.6 EER, 230/208 Volt, Heat Pump, Heating And Cooling, Packaged Terminal Air-Conditioner	1,422.38	253.03
		For >35 To 70, Deduct	-27.47	
		For >70 To 100, Deduct	-45.79	
		For >100, Deduct	-64.10	
23 81 13 00-0011	EA	14,500 BTU, 10.4 EER, 230/208 Volt, Heat Pump, Heating And Cooling, Packaged Terminal Air-Conditioner	1,547.97	271.98
		For >35 To 70, Deduct	-30.13	
		For >70 To 100, Deduct	-50.21	
		For >100, Deduct	-70.30	

23 81 13 00-0012 Removal And Reinstallation Of Thru-Wall A/C Unit (23 81 13)

Note: Includes storage and cleaning.

23 81 13 00-0013	EA	Removal And Reinstallation Of Thru Wall Air Conditioning Unit	211.96	
23 81 13 00-0014	EA	Removal And Reinstallation Of Window Air Conditioning Unit In Lower Sash	132.48	
23 81 13 00-0015	EA	Removal And Reinstallation Of Window Air Conditioning Unit In Upper Sash	280.79	

23 81 13 00-0016 Thru Wall A/C Unit Sleeve (23 81 13)

Note: Includes wall case, exterior grille, weather panel and steel closure panels. Includes bolts, nuts, washers, caulking and lintel supports. Not for use with new A/C units where wall sleeve is provided. Excludes cutting opening for unit or patching masonry or concrete.

23 81 13 00-0017	EA	Up To 10,000 BTU Unit, Thru Wall A/C Sleeve	81.34	
23 81 13 00-0018	EA	>10,000 To 20,000 BTU Unit, Thru Wall A/C Sleeve	91.37	
23 81 13 00-0019	EA	>20,000 To 30,000 BTU Unit, Thru Wall A/C Sleeve	101.38	

23 81 13 00-0020 Single Package Vertical Wall Cooling Unit (23 81 13)

Note: Air-to-air type with electric heat. Includes throwaway filters. Wall units are wired for 230/208 V, 1 phase, 60 HZ. With solid state electronic controls, thermostat, cord and NEMA plug. Units are shipped fully factory assembled in one piece, prewired, prepiped and charged with refrigerant, complete with push button controls, insulated steel cabinet, with wall sleeve and outdoor grille and stainless steel drain pan. Excludes crane and associated personnel.

23 81 13 00-0021	EA	1/2 Ton Package Cooling, Vertical Wall Unit, Air To Air Type With Electric Heat	2,740.52	241.73
23 81 13 00-0022	EA	1 Ton Single Package Cooling, Vertical Wall Unit, Air To Air Type With Electric Heat	4,586.59	253.24
23 81 13 00-0023	EA	1-1/2 Ton Single Package Cooling, Vertical Wall Unit, Air To Air Type With Electric Heat	5,947.70	264.76
23 81 13 00-0024	EA	2 Ton Single Package Cooling, Vertical Wall Unit, Air To Air Type With Electric Heat	6,827.32	287.77
23 81 13 00-0025	EA	2-1/2 Ton Single Package Cooling, Vertical Wall Unit, Air To Air Type With Electric Heat	8,542.67	333.82
23 81 13 00-0026	EA	3 Ton Single Package Cooling, Vertical Wall Unit, Air To Air Type With Electric Heat	9,208.35	414.40
23 81 13 00-0027	EA	3-1/2 Ton Single Package Cooling, Vertical Wall Unit, Air To Air Type With Electric Heat	10,200.37	460.44
23 81 13 00-0028	EA	4 Ton Single Package Cooling, Vertical Wall Unit, Air To Air Type With Electric Heat	11,236.24	518.00
23 81 13 00-0029	EA	5 Ton Single Package Cooling, Vertical Wall Unit, Air To Air Type With Electric Heat	12,671.86	621.60
23 81 13 00-0030	EA	7-1/2 Ton Single Package Cooling, Vertical Wall Unit, Air To Air Type With Electric Heat	16,360.80	771.24
23 81 13 00-0031	EA	10 Ton Single Package Cooling, Vertical Wall Unit, Air To Air Type With Electric Heat	19,598.86	1,036.00



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 81 13 00-0032 EA 15 Ton Single Package Cooling, Vertical Wall Unit, Air To Air Type With Electric Heat	27,342.61	1,266.23
23 81 13 00-0033 EA 20 Ton Single Package Cooling, Vertical Wall Unit, Air To Air Type With Electric Heat	31,532.72	1,507.96
23 81 13 00-0034 EA 25 Ton Single Package Cooling, Vertical Wall Unit, Air To Air Type With Electric Heat	37,604.43	1,692.14
23 81 16 Room Air-Conditioners (23 81)		
Note: Units consists of fresh air intake, throwaway filters, exhaust, automatic thermostat, hermetically sealed compressor with 5 year guarantee, "sleeve-type" construction, condensing fan motor enclosed, fan to be aluminum, three wire ground cord, multi speed fan, exposed steel parts to be phosphate bonderized with baked enamel finish and copper tubes mechanically expanded into aluminum of evaporator and condensing coils. Includes equipment rigging. Efficiency Rating (ER) not less than 9.		
23 81 16 00-0001 Window Unit, Room Air-Conditioners (23 81 16)		
23 81 16 00-0002 Cooling Only, Window Unit, Room Air-Conditioners (23 81 16 00-0001)		
23 81 16 00-0003 Cooling Only, Window Unit, Room Air-Conditioners (Frigidaire) (23 81 16 00-0002)		
23 81 16 00-0004 EA 5,000 BTU, 11.2 EER, 115 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Frigidaire FFRE0533Q1)	421.56	111.27
For >10 To 50, Deduct	-9.95	
For >50 To 75, Deduct	-13.93	
For >75 To 100, Deduct	-19.90	
For >100, Deduct	-23.88	
23 81 16 00-0005 EA 6,000 BTU, 11.2 EER, 115 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Frigidaire FFRE0633Q1)	614.07	111.27
For >10 To 50, Deduct	-10.95	
For >50 To 75, Deduct	-15.33	
For >75 To 100, Deduct	-21.90	
For >100, Deduct	-26.28	
23 81 16 00-0006 EA 8,000 BTU, 11.3 EER, 115 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Frigidaire FFRE0833Q1)	491.56	111.27
For >10 To 50, Deduct	-13.45	
For >50 To 75, Deduct	-18.83	
For >75 To 100, Deduct	-26.90	
For >100, Deduct	-32.28	
23 81 16 00-0007 EA 10,000 BTU, 11.3 EER, 115 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Frigidaire FFRE1033Q1)	561.56	111.27
For >10 To 50, Deduct	-16.95	
For >50 To 75, Deduct	-23.73	
For >75 To 100, Deduct	-33.90	
For >100, Deduct	-40.68	
23 81 16 00-0008 EA 12,000 BTU, 11.3 EER, 115 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Frigidaire FFRE1233Q1)	651.56	111.27
For >10 To 50, Deduct	-21.45	
For >50 To 75, Deduct	-30.03	
For >75 To 100, Deduct	-42.90	
For >100, Deduct	-51.48	
23 81 16 00-0009 EA 15,100 BTU, 11.2 EER, 115 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Frigidaire FFRE1533Q1)	751.56	111.27
For >10 To 50, Deduct	-26.45	
For >50 To 75, Deduct	-37.03	
For >75 To 100, Deduct	-52.90	
For >100, Deduct	-63.48	
23 81 16 00-0010 EA 8,000 BTU, 10.9 EER, 115 Volt, Cooling Only, Casement Window Unit, Room Air-Conditioner (Frigidaire FFRS0833Q1)	711.56	111.27
For >10 To 50, Deduct	-24.45	
For >50 To 75, Deduct	-34.23	
For >75 To 100, Deduct	-48.90	
For >100, Deduct	-58.68	
23 81 16 00-0011 EA 10,000 BTU, 9.5 EER, 115 Volt, Cooling Only, Casement Window Unit, Room Air-Conditioner (Frigidaire FFRS1022Q1)	761.56	111.27
For >10 To 50, Deduct	-26.95	
For >50 To 75, Deduct	-37.73	
For >75 To 100, Deduct	-53.90	
For >100, Deduct	-64.68	
23 81 16 00-0012 EA 12,000 BTU, 9.5 EER, 115 Volt, Cooling Only, Casement Window Unit, Room Air-Conditioner (Frigidaire FFRS1222Q1)	801.56	111.27
For >10 To 50, Deduct	-28.95	
For >50 To 75, Deduct	-40.53	
For >75 To 100, Deduct	-57.90	
For >100, Deduct	-69.48	
23 81 16 00-0013 EA 15,100 BTU, 10.7 EER, 230/208 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Frigidaire FFRE1533Q1)	811.56	111.27
For >10 To 50, Deduct	-29.45	
For >50 To 75, Deduct	-41.23	
For >75 To 100, Deduct	-58.90	
For >100, Deduct	-70.68	
23 81 16 00-0014 EA 18,500 BTU, 11.2 EER, 230/208 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Frigidaire FFRE1833Q2)	841.56	111.27
For >10 To 50, Deduct	-30.95	
For >50 To 75, Deduct	-43.33	
For >75 To 100, Deduct	-61.90	
For >100, Deduct	-74.28	
23 81 16 00-0015 EA 22,000 BTU, 9.8 EER, 230/208 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Frigidaire FFRE2233S2)	921.56	111.27
For >10 To 50, Deduct	-34.95	
For >50 To 75, Deduct	-48.93	
For >75 To 100, Deduct	-69.90	
For >100, Deduct	-83.88	
23 81 16 00-0016 EA 25,000 BTU, 9.8 EER, 230/208 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Frigidaire FFRE2533S2)	931.56	111.27
For >10 To 50, Deduct	-35.45	
For >50 To 75, Deduct	-49.63	
For >75 To 100, Deduct	-70.90	
For >100, Deduct	-85.08	

23 Heating, Ventilating, And Air-Conditioning (HVAC)

23 80 Decentralized Unitary HVAC Equipment

23 81 Decentralized Unitary HVAC Equipment



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 81 16 00-0017	EA		28,000 BTU, 9.0 EER, 230/208 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Frigidaire FFRA2822R2) <i>For >10 To 50, Deduct</i> <i>For >50 To 75, Deduct</i> <i>For >75 To 100, Deduct</i> <i>For >100, Deduct</i>	1,051.56 -41.45 -58.03 -82.90 -99.48	111.27
23 81 16 00-0018			Cooling Only, Window Unit, Room Air-Conditioners (Friedrich Kuhl) ^(23 81 16 00-0002)		
23 81 16 00-0019	EA		8,000 BTU, 11.5 EER, 110 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Friedrich SS08N10B).....	1,151.56	111.27
23 81 16 00-0020	EA		9,700 BTU, 11.3 EER, 110 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Friedrich SS10N10B).....	1,241.56	111.27
23 81 16 00-0021	EA		11,900 BTU, 11.3 EER, 110 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Friedrich SS12N10C).....	1,271.56	111.27
23 81 16 00-0022	EA		12,000 BTU, 11.3 EER, 230/208 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Friedrich SS12N30C).....	1,366.56	111.27
23 81 16 00-0023	EA		17,500 BTU, 10.7 EER, 230/208 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Friedrich SM18N30A).....	1,471.56	111.27
23 81 16 00-0024	EA		24,000 BTU, 8.5 EER, 230/208 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Friedrich SL24N30C).....	1,951.56	111.27
23 81 16 00-0025	EA		28,000 BTU, 9.8 EER, 230/208 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Friedrich SL28N30B).....	2,021.56	111.27
23 81 16 00-0026	EA		36,000 BTU, 8.5 EER, 230/208 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Friedrich SL36N30B).....	2,251.56	111.27
23 81 16 00-0027			Heating And Cooling, Window Unit, Room Air-Conditioners ^(23 81 16 00-0001)		
23 81 16 00-0028			Electric Heat, Heating And Cooling, Window Unit, Room Air-Conditioners (Frigidaire) ^(23 81 16 00-0027)		
23 81 16 00-0029	EA		8,000 BTU, 9.8 EER, 115 Volt, Electric Heat, Heating And Cooling, Window Unit, Room Air-Conditioner (Frigidaire FRA12EZU2)..... <i>For >10 To 50, Deduct</i> <i>For >50 To 75, Deduct</i> <i>For >75 To 100, Deduct</i> <i>For >100, Deduct</i>	781.56 -27.95 -39.13 -55.90 -67.08	111.27
23 81 16 00-0030	EA		12,000 BTU, 9.8 EER, 230/208 Volt, Electric Heat, Heating And Cooling, Window Unit, Room Air-Conditioner (Frigidaire FFRH1222Q2)..... <i>For >10 To 50, Deduct</i> <i>For >50 To 75, Deduct</i> <i>For >75 To 100, Deduct</i> <i>For >100, Deduct</i>	1,011.56 -39.45 -55.23 -78.90 -94.68	111.27
23 81 16 00-0031	EA		18,000 BTU, 10.7 EER, 230/208 Volt, Electric Heat, Heating And Cooling, Window Unit, Room Air-Conditioner (Frigidaire FFRH1822Q2)..... <i>For >10 To 50, Deduct</i> <i>For >50 To 75, Deduct</i> <i>For >75 To 100, Deduct</i> <i>For >100, Deduct</i>	971.56 -37.45 -52.43 -74.90 -89.88	111.27
23 81 16 00-0032	EA		25,000 BTU, 9 EER, 230/208 Volt, Electric Heat, Heating And Cooling, Window Unit, Room Air-Conditioner (Frigidaire FFRH2522Q2)..... <i>For >10 To 50, Deduct</i> <i>For >50 To 75, Deduct</i> <i>For >75 To 100, Deduct</i> <i>For >100, Deduct</i>	1,191.56 -48.45 -67.83 -96.90 -116.28	111.27
23 81 16 00-0033			Electric Heat, Heating And Cooling, Window Unit, Room Air-Conditioners (Friedrich) ^(23 81 16 00-0027)		
23 81 16 00-0034	EA		7,500 BTU, 11.0 EER, 230/208 Volt, Electric Heat, Heating And Cooling, Window Unit, Room Air-Conditioner (Friedrich EQ08N11C).....	971.56	111.27
23 81 16 00-0035	EA		12,000 BTU, 11.3 EER, 230/208 Volt, Electric Heat, Heating And Cooling, Window Unit, Room Air-Conditioner (Friedrich ES12N33B).....	1,371.56	111.27
23 81 16 00-0036			Accessories ^(23 81 16 00-0001)		
23 81 16 00-0037	SET		Aluminum Air Conditioner Unit Frame And Bracket Assembly.....	362.52	61.31
23 81 16 00-0038			Through-The-Wall, Room Air-Conditioners ^(23 81 16) Note: Base unit excludes wall sleeve.		
23 81 16 00-0039			Cooling Only, Through-The-Wall, Room Air-Conditioners ^(23 81 16 00-0038)		
23 81 16 00-0040			Cooling Only, Through-The-Wall, Room Air-Conditioners (Friedrich) ^(23 81 16 00-0039)		
23 81 16 00-0041	EA		8,000 BTU, 10.4 EER, 115 Volt, Cooling Only, Through-The-Wall, Room Air-Conditioner (Friedrich WS08D10) <i>For >10 To 50, Deduct</i> <i>For >50 To 75, Deduct</i> <i>For >75 To 100, Deduct</i> <i>For >100, Deduct</i> <i>For 27" Wide x 16-3/4" Deep x 16-3/4" High, Wall Sleeve (Friedrich WSE), Add</i>	887.97 -36.45 -51.03 -72.90 -87.48 227.98	79.49
23 81 16 00-0042	EA		9,700 BTU, 9.8 EER, 115 Volt, Cooling Only, Through-The-Wall, Room Air-Conditioner (Friedrich WS10D10) <i>For >10 To 50, Deduct</i> <i>For >50 To 75, Deduct</i> <i>For >75 To 100, Deduct</i> <i>For >100, Deduct</i> <i>For 27" Wide x 16-3/4" Deep x 16-3/4" High, Wall Sleeve (Friedrich WSE), Add</i>	947.97 -39.45 -55.23 -78.90 -94.68 227.98	79.49



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 81 16 00-0043 EA 12,000 BTU, 9.8 EER, 115 Volt, Cooling Only, Through-The-Wall, Room Air-Conditioner (Friedrich WS12D10A).....	1,077.97	79.49
<i>For >10 To 50, Deduct</i>	-45.95	
<i>For >50 To 75, Deduct</i>	-64.33	
<i>For >75 To 100, Deduct</i>	-91.90	
<i>For >100, Deduct</i>	-110.28	
<i>For 27" Wide x 16-3/4" Deep x 16-3/4" High, Wall Sleeve (Friedrich WSE), Add</i>	227.98	
23 81 16 00-0044 EA 10,000 BTU, 9.8 EER, 230/208 Volt, Cooling Only, Through-The-Wall, Room Air-Conditioner (Friedrich WS10C30D)	952.97	79.49
<i>For >10 To 50, Deduct</i>	-39.70	
<i>For >50 To 75, Deduct</i>	-55.58	
<i>For >75 To 100, Deduct</i>	-79.40	
<i>For >100, Deduct</i>	-95.28	
<i>For 27" Wide x 16-3/4" Deep x 16-3/4" High, Wall Sleeve (Friedrich WSE), Add</i>	227.98	
23 81 16 00-0045 EA 11,500 BTU, 9.8 EER, 230/208 Volt, Cooling Only, Through-The-Wall, Room Air-Conditioner (Friedrich WS12C30D)	1,072.97	79.49
<i>For >10 To 50, Deduct</i>	-45.70	
<i>For >50 To 75, Deduct</i>	-63.98	
<i>For >75 To 100, Deduct</i>	-91.40	
<i>For >100, Deduct</i>	-109.68	
<i>For 27" Wide x 16-3/4" Deep x 16-3/4" High, Wall Sleeve (Friedrich WSE), Add</i>	227.98	
23 81 16 00-0046 Heating And Cooling, Through-The-Wall, Room Air-Conditioners <small>(23 81 16 00-0038)</small>		
23 81 16 00-0047 Electric Heat, Heating And Cooling, Through-The-Wall, Room Air-Conditioners (Friedrich) <small>(23 81 16 00-0046)</small>		
23 81 16 00-0048 EA 10,000 BTU, 9.8 EER, 230/208 Volt, Heating And Cooling, Through-The-Wall, Room Air-Conditioner (Friedrich WE10D33).....	1,107.97	79.49
<i>For >10 To 50, Deduct</i>	-47.45	
<i>For >50 To 75, Deduct</i>	-66.43	
<i>For >75 To 100, Deduct</i>	-94.90	
<i>For >100, Deduct</i>	-113.88	
<i>For 27" Wide x 16-3/4" Deep x 16-3/4" High, Wall Sleeve (Friedrich WSE), Add</i>	227.98	
23 81 16 00-0049 EA 12,000 BTU, 9.8 EER, 230/208 Volt, Heating And Cooling, Through-The-Wall, Room Air-Conditioner (Friedrich WE12D33).....	1,157.97	79.49
<i>For >10 To 50, Deduct</i>	-49.95	
<i>For >50 To 75, Deduct</i>	-69.93	
<i>For >75 To 100, Deduct</i>	-99.90	
<i>For >100, Deduct</i>	-119.88	
<i>For 27" Wide x 16-3/4" Deep x 16-3/4" High, Wall Sleeve (Friedrich WSE), Add</i>	227.98	
23 81 23 Computer-Room Air-Conditioners <small>(23 81)</small>		
Note: Includes equipment rigging. Indoor units include filters.		
23 81 23 00-0001 Floor Mounted Air Cooled Direct Expansion Type <small>(23 81 23)</small>		
Note: Includes compressor sequence switch, mode alert monitor, non-locking disconnect switch, firestat, infrared humidifier, auto flush on humidifier, two liquid sensors, floor stand, and outdoor air cooled condenser complete with fan speed control. Excludes precharged copper pipe.		
23 81 23 00-0002 EA 3 Ton Air Cooled Computer Room Air Conditioner, Direct Expansion Type	20,514.58	2,262.04
Note: Includes interior unit and remote condenser. Excludes piping.		
<i>For Liebert Unit, Add</i>	2,139.72	
23 81 23 00-0003 EA 5 Ton Air Cooled Computer Room Air Conditioner, Direct Expansion Type	22,634.67	2,474.11
Note: Includes interior unit and remote condenser. Excludes piping.		
<i>For Liebert Unit, Add</i>	2,362.87	
23 81 23 00-0004 EA 6 Ton Air Cooled Computer Room Air Conditioner, Direct Expansion Type	30,921.68	2,827.55
Note: Includes interior unit and remote condenser. Excludes piping.		
<i>For Liebert Unit, Add</i>	3,339.52	
23 81 23 00-0005 EA 10 Ton Air Cooled Computer Room Air Conditioner, Direct Expansion Type	36,656.22	3,180.99
Note: Includes interior unit and remote condenser. Excludes piping.		
<i>For Liebert Unit, Add</i>	3,990.62	
23 81 23 00-0006 EA 16 Ton Air Cooled Computer Room Air Conditioner, Direct Expansion Type	41,265.67	3,817.19
Note: Includes interior unit and remote condenser. Excludes piping.		
<i>For Liebert Unit, Add</i>	4,438.24	
23 81 23 00-0007 EA 20 Ton Air Cooled Computer Room Air Conditioner, Direct Expansion Type	46,540.08	4,241.33
Note: Includes interior unit and remote condenser. Excludes piping.		
<i>For Liebert Unit, Add</i>	5,028.97	
23 81 23 00-0008 EA 24 Ton Air Cooled Computer Room Air Conditioner, Direct Expansion Type	48,915.69	4,524.09
Note: Includes interior unit and remote condenser. Excludes piping.		
<i>For Liebert Unit, Add</i>	5,265.26	
23 81 23 00-0009 EA 30 Ton Air Cooled Computer Room Air Conditioner, Direct Expansion Type	57,253.50	5,089.59
Note: Includes interior unit and remote condenser. Excludes piping.		
<i>For Liebert Unit, Add</i>	6,210.44	
23 81 23 00-0010 Floor Mounted Chilled Water Type <small>(23 81 23)</small>		
Note: Includes mode alert monitor, non-locking disconnect switch, firestat, infrared humidifier, auto flush on humidifier, two liquid sensors, floor stand. Excludes chilled water source. See CSI section 23 81 23 00-0018 for chilled water source.		
23 81 23 00-0011 EA 3 Ton Computer Room Air Conditioner, Chilled Water Type, Excludes Water Source	13,766.39	1,549.96
<i>For Liebert Unit, Add</i>	1,462.47	
23 81 23 00-0012 EA 5 Ton Computer Room Air Conditioner, Chilled Water Type, Excludes Water Source	14,822.10	1,716.88
<i>For Liebert Unit, Add</i>	1,566.62	
23 81 23 00-0013 EA 12 Ton Computer Room Air Conditioner, Chilled Water Type, Excludes Water Source	18,605.22	2,615.06
<i>For Liebert Unit, Add</i>	1,889.81	

23 Heating, Ventilating, And Air-Conditioning (HVAC)

23 80 Decentralized Unitary HVAC Equipment

23 81 Decentralized Unitary HVAC Equipment



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 81	23 00-0014	EA	16 Ton Computer Room Air Conditioner, Chilled Water Type, Excludes Water Source <i>For Liebert Unit, Add</i>	19,404.78 1,984.06	2,649.50
23 81	23 00-0015	EA	20 Ton Computer Room Air Conditioner, Chilled Water Type, Excludes Water Source <i>For Liebert Unit, Add</i>	20,159.02 2,058.86	2,755.49
23 81	23 00-0016	EA	22 Ton Computer Room Air Conditioner, Chilled Water Type, Excludes Water Source <i>For Liebert Unit, Add</i>	20,737.54 2,088.78	3,020.44
23 81	23 00-0017	EA	31 Ton Computer Room Air Conditioner, Chilled Water Type, Excludes Water Source <i>For Liebert Unit, Add</i>	22,039.41 2,208.47	3,285.39
23 81	23 00-0018		Floor Mounted Water Source ^(23 81 23) Note: Includes mode alert monitor, non-locking disconnect switch, firestat, infrared humidifier, auto flush on humidifier, two liquitect sensors, floor stand. Excludes water source.		
23 81	23 00-0019	EA	3 Ton Chilled Water Source For Computer Room Air Conditioner, Chilled Water Unit <i>For Liebert Unit, Add</i>	10,873.80 1,095.12	1,413.77
23 81	23 00-0020	EA	5 Ton Chilled Water Source For Computer Room Air Conditioner, Chilled Water Unit <i>For Liebert Unit, Add</i>	11,923.46 1,213.06	1,484.46
23 81	23 00-0021	EA	6 Ton Chilled Water Source For Computer Room Air Conditioner, Chilled Water Unit <i>For Liebert Unit, Add</i>	15,229.69 1,613.20	1,555.16
23 81	23 00-0022	EA	8 Ton Chilled Water Source For Computer Room Air Conditioner, Chilled Water Unit <i>For Liebert Unit, Add</i>	16,430.35 1,735.34	1,696.53
23 81	23 00-0023	EA	10 Ton Chilled Water Source For Computer Room Air Conditioner, Chilled Water Unit <i>For Liebert Unit, Add</i>	18,125.28 1,920.67	1,837.91
23 81	23 00-0024	EA	12 Ton Chilled Water Source For Computer Room Air Conditioner, Chilled Water Unit <i>For Liebert Unit, Add</i>	18,881.48 1,988.06	1,979.28
23 81	23 00-0025	EA	15 Ton Chilled Water Source For Computer Room Air Conditioner, Chilled Water Unit <i>For Liebert Unit, Add</i>	19,732.60 2,072.30	2,120.67
23 81	23 00-0026	EA	20 Ton Chilled Water Source For Computer Room Air Conditioner, Chilled Water Unit <i>For Liebert Unit, Add</i>	20,336.58 2,122.85	2,262.04
23 81	23 00-0027	EA	25 Ton Chilled Water Source For Computer Room Air Conditioner, Chilled Water Unit <i>For Liebert Unit, Add</i>	23,333.44 2,414.88	2,686.17
23 81	23 00-0028		Floor Mounted Glycol System Type ^(23 81 23) Note: Includes drycoolers, mode alert monitor, non-locking disconnect switch, firestat, infrared humidifier, auto flush on humidifier, two liquitect sensors, floor stand. Excludes chilled water source. See CSI section 23 81 23 00-0018 for water source.		
23 81	23 00-0029	EA	3 Ton Computer Room Air Conditioner, Glycol System Type <i>For Liebert Unit, Add</i>	19,476.21 2,176.20	1,549.96
23 81	23 00-0030	EA	5 Ton Computer Room Air Conditioner, Glycol System Type <i>For Liebert Unit, Add</i>	20,994.19 2,338.13	1,716.88
23 81	23 00-0031	EA	6 Ton Computer Room Air Conditioner, Glycol System Type <i>For Liebert Unit, Add</i>	31,947.63 3,672.86	1,923.54
23 81	23 00-0032	EA	9 Ton Computer Room Air Conditioner, Glycol System Type <i>For Liebert Unit, Add</i>	33,054.33 3,776.76	2,130.21
23 81	23 00-0033	EA	10 Ton Computer Room Air Conditioner, Glycol System Type <i>For Liebert Unit, Add</i>	35,411.56 4,036.97	2,336.86
23 81	23 00-0034	EA	16 Ton Computer Room Air Conditioner, Glycol System Type <i>For Liebert Unit, Add</i>	42,300.73 4,843.80	2,649.50
23 81	23 00-0035	EA	20 Ton Computer Room Air Conditioner, Glycol System Type <i>For Liebert Unit, Add</i>	46,287.35 5,324.90	2,755.49
23 81	23 00-0036	EA	22 Ton Computer Room Air Conditioner, Glycol System Type <i>For Liebert Unit, Add</i>	48,094.16 5,508.36	3,020.44
23 81	23 00-0037	EA	30 Ton Computer Room Air Conditioner, Glycol System Type <i>For Liebert Unit, Add</i>	58,337.70 6,745.75	3,285.39
23 81	23 00-0038		Ceiling Mounted Packaged Computer Room Air Conditioner ^(23 81 23) Note: Includes compressor sequence switch, mode alert monitor, non-locking disconnect switch, firestat, infrared humidifier, auto flush on humidifier, two liquitect sensors, floor stand, and outdoor air cooled condenser complete with fan speed control.		
23 81	23 00-0039	EA	1 Ton Packaged Computer Room Air Conditioner, Ceiling Mounted, Split System <i>For Liebert Unit, Add</i>	7,982.01 871.82	671.92
23 81	23 00-0040	EA	1.5 Ton Packaged Computer Room Air Conditioner, Ceiling Mounted, Split System <i>For Liebert Unit, Add</i>	8,869.70 957.49	806.94
23 81	23 00-0041	EA	2 Ton Packaged Computer Room Air Conditioner, Ceiling Mounted, Split System <i>For Liebert Unit, Add</i>	10,191.29 1,084.66	1,009.88
23 81	23 00-0042	EA	3 Ton Packaged Computer Room Air Conditioner, Ceiling Mounted, Split System <i>For Liebert Unit, Add</i>	12,478.44 1,339.01	1,178.19
23 81	23 00-0043	EA	5 Ton Packaged Computer Room Air Conditioner, Ceiling Mounted, Split System <i>For Liebert Unit, Add</i>	16,701.70 1,847.72	1,280.55
23 81	23 00-0044		Removal And Reinstallation Of Computer Room Unit ^(23 81 23) Note: Includes storage and cleaning. Excludes main mechanical piping. Reconnection of existing valves are included.		
23 81	23 00-0045	EA	Removal And Reinstallation Of Computer Room Unit, Chilled Water	2,119.60	
23 81	23 00-0046	EA	Removal And Reinstallation Of Computer Room Unit, Direct Expansion	1,766.33	
23 81	26		Split-System Air-Conditioners ^(23 81)		
23 81	26 00-0001		Split System A/C Unit ^(23 81 26) See CSI section 22 07 19 00-0494 for insulation, 23 23 16 00-0001 for piping, 23 54 00 00-0000 for furnaces.		



		MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 81 26 00-0002		Ductless Split System Air Conditioners <small>(23 81 26 00-0001)</small> Note: Excludes refrigerant piping, electrical, and pad. Panasonic units or equal. See CSI section 23 81 49 00-0024 for ductless heat pumps.		
23 81 26 00-0003		Wall Mounted Ductless Split System Air Conditioners <small>(23 81 26 00-0002)</small>		
23 81 26 00-0004	EA	9,000 BTU, 16 SEER, Wall Mounted Ductless Split System Air Conditioners Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	1,887.67	349.74
23 81 26 00-0005	EA	11,900 BTU, 17 SEER, Wall Mounted Ductless Split System Air Conditioner Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	2,047.21	381.53
23 81 26 00-0006	EA	17,500 BTU, 20 SEER, Wall Mounted Ductless Split System Air Conditioners Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	2,543.22	423.92
23 81 26 00-0007	EA	24,200 BTU, 17 SEER, Wall Mounted Ductless Split System Air Conditioners Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	2,826.23	466.31
23 81 26 00-0008	EA	25,200 BTU, 14.9 SEER, Wall Mounted Ductless Split System Air Conditioners Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	4,278.33	508.70
23 81 26 00-0009	EA	29,800 BTU, 15 SEER, Wall Mounted Ductless Split System Air Conditioners Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	4,958.85	529.90
23 81 26 00-0010	EA	31,400 BTU, 15.9 SEER, Wall Mounted Ductless Split System Air Conditioners Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	5,434.98	564.88
23 81 26 00-0011		Dual and Tri Zone Wall Mounted Ductless Split System Air Conditioners <small>(23 81 26 00-0002)</small> Note: Use this section only when matching indoor and outdoor capacity units are not used.		
23 81 26 00-0012	EA	7,500 BTU Indoor Unit, Wall Mounted Ductless Split System Air Conditioners Note: Includes indoor unit and wireless thermostat.	819.68	169.57
23 81 26 00-0013	EA	9,000 BTU Indoor Unit, Wall Mounted Ductless Split System Air Conditioners Note: Includes indoor unit and wireless thermostat.	867.47	180.17
23 81 26 00-0014	EA	11,900 BTU Indoor Unit, Wall Mounted Ductless Split System Air Conditioners Note: Includes indoor unit and wireless thermostat.	916.00	190.76
23 81 26 00-0015	EA	17,500 BTU Indoor Unit, Wall Mounted Ductless Split System Air Conditioners Note: Includes indoor unit and wireless thermostat.	1,031.37	201.37
23 81 26 00-0016	EA	24,200 BTU Indoor Unit, Wall Mounted Ductless Split System Air Conditioners Note: Includes indoor unit and wireless thermostat.	1,102.66	211.96
23 81 26 00-0017	EA	19,700 BTU, 16.5 SEER, Outdoor Unit, Wall Mounted Ductless Split System Air Conditioners Note: Includes outdoor unit and refrigerant charge.	2,201.72	254.36
23 81 26 00-0018	EA	25,400 BTU, 16.2 SEER, Outdoor Unit, Wall Mounted Ductless Split System Air Conditioners Note: Includes outdoor unit and refrigerant charge.	2,434.67	275.55
23 81 26 00-0019	EA	30,600 BTU, 17.6 SEER, Outdoor Unit, Wall Mounted Ductless Split System Air Conditioners Note: Includes outdoor unit and refrigerant charge.	3,798.78	296.75
23 81 26 00-0020		Suspended Ceiling Mounted Ductless Split System Air Conditioners <small>(23 81 26 00-0002)</small> Note: Excludes hangers.		
23 81 26 00-0021	EA	24,400 BTU, 14.5 SEER, Ceiling Suspended Ductless Split System Air Conditioners Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	4,567.24	508.70
23 81 26 00-0022	EA	31,200 BTU, 15.1 SEER, Ceiling Suspended Ductless Split System Air Conditioners Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	5,566.54	607.27
23 81 26 00-0023	EA	39,000 BTU, 15.6 SEER, Ceiling Suspended Ductless Split System Air Conditioners Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	6,754.54	635.88
23 81 26 00-0024		Recessed Ceiling Mounted Ductless Split System Air Conditioners <small>(23 81 26 00-0002)</small> Note: Excludes hangers.		
23 81 26 00-0025	EA	11,900 BTU, 16 SEER, Ceiling Recessed Ductless Split System Air Conditioners Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	2,840.70	423.92
23 81 26 00-0026	EA	17,500 BTU, 16 SEER, Ceiling Recessed Ductless Split System Air Conditioners Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	3,304.40	466.31
23 81 26 00-0027	EA	24,800 BTU, 14.1 SEER, Ceiling Recessed Ductless Split System Air Conditioners Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	4,563.04	551.09
23 81 26 00-0028	EA	32,600 BTU, 14.6 SEER, Ceiling Recessed Ductless Split System Air Conditioners Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	5,272.73	607.27
23 81 26 00-0029	EA	39,500 BTU, 14.6 SEER, Ceiling Recessed Ductless Split System Air Conditioners Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	6,607.63	635.88
23 81 26 00-0030		Ductless Split System Accessories <small>(23 81 26 00-0002)</small>		
23 81 26 00-0031	LF	3" Line Set Cover, Rigid Polyvinyl Chloride (PVC) Line Set Covers Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	9.11	1.52
23 81 26 00-0032	LF	4" Line Set Cover, Rigid Polyvinyl Chloride (PVC) Line Set Covers Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	11.38	1.67
23 81 26 00-0033	LF	6" Line Set Cover, Rigid Polyvinyl Chloride (PVC) Line Set Covers Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	13.88	1.84
23 81 26 00-0034	EA	3" Union Coupling, Rigid Polyvinyl Chloride (PVC) Line Set Covers Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	15.66	2.85
23 81 26 00-0035	EA	4" Union Coupling, Rigid Polyvinyl Chloride (PVC) Line Set Covers Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	24.75	3.13
23 81 26 00-0036	EA	6" Union Coupling, Rigid Polyvinyl Chloride (PVC) Line Set Covers Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	28.04	3.45
23 81 26 00-0037	EA	3" 90 Degree Elbow, Rigid Polyvinyl Chloride (PVC) Line Set Covers Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	37.21	5.70
23 81 26 00-0038	EA	4" 90 Degree Elbow, Rigid Polyvinyl Chloride (PVC) Line Set Covers Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	57.72	6.27
23 81 26 00-0039	EA	6" 90 Degree Elbow, Rigid Polyvinyl Chloride (PVC) Line Set Covers Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	64.31	6.89
23 81 26 00-0040	EA	3" 90 Degree Long Radius Elbow, Rigid Polyvinyl Chloride (PVC) Line Set Covers Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	47.75	6.08
23 81 26 00-0041	EA	4" 90 Degree Long Radius Elbow, Rigid Polyvinyl Chloride (PVC) Line Set Covers Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	55.47	6.68
23 81 26 00-0042	EA	6" 90 Degree Long Radius Elbow, Rigid Polyvinyl Chloride (PVC) Line Set Covers Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	82.13	7.36
23 81 26 00-0043	EA	3" 45 Degree Elbow, Rigid Polyvinyl Chloride (PVC) Line Set Covers Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	37.21	5.70
23 81 26 00-0044	EA	4" 45 Degree Elbow, Rigid Polyvinyl Chloride (PVC) Line Set Covers Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	57.72	6.27
23 81 26 00-0045	EA	6" 45 Degree Elbow, Rigid Polyvinyl Chloride (PVC) Line Set Covers Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	64.31	6.89

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 80 Decentralized Unitary HVAC Equipment****23 81 Decentralized Unitary HVAC Equipment**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 81 26 00-0046 EA 3" Wall Penetration Cover, Rigid Polyvinyl Chloride (PVC) Line Set Covers	51.08	9.50
23 81 26 00-0047 EA 4" Wall Penetration Cover, Rigid Polyvinyl Chloride (PVC) Line Set Covers	70.38	10.45
23 81 26 00-0048 EA 6" Wall Penetration Cover, Rigid Polyvinyl Chloride (PVC) Line Set Covers	82.94	11.49
23 81 26 00-0049 EA 2-1/2" Wall Sleeve, Rigid Polyvinyl Chloride (PVC) Line Set Covers	24.53	1.90
23 81 26 00-0050 EA 3" x 20" Flexible Joint, Rigid Polyvinyl Chloride (PVC) Line Set Covers	31.34	5.70
23 81 26 00-0051 EA 4" x 20" Flexible Joint, Rigid Polyvinyl Chloride (PVC) Line Set Covers	47.15	6.27
23 81 26 00-0052 EA 3" Duct End Termination, Rigid Polyvinyl Chloride (PVC) Line Set Covers	28.99	5.70
23 81 26 00-0053 EA 4" Duct End Termination, Rigid Polyvinyl Chloride (PVC) Line Set Covers	37.77	6.27
23 81 26 00-0054 EA 6" Duct End Termination, Rigid Polyvinyl Chloride (PVC) Line Set Covers	40.84	6.89
23 81 26 00-0055 EA 4" T Joint, Rigid Polyvinyl Chloride (PVC) Line Set Covers	115.73	7.60
23 81 26 00-0056 EA 6" T Joint, Rigid Polyvinyl Chloride (PVC) Line Set Covers	130.94	8.36
23 81 26 00-0057 EA 14" Condensing Unit Mounting Blocks With End Caps	102.77	28.50
23 81 26 00-0058 EA 17" Condensing Unit Mounting Blocks With End Caps	112.05	30.39
23 81 26 00-0059 EA 36" Condensing Unit Mounting Blocks With End Caps	141.28	32.29
23 81 26 00-0060 EA End Cap, Set of 4	11.72	
23 81 26 00-0061 EA 18" Condensing Unit Type 2 Wall Bracket, 165 LB Capacity	213.83	56.99
23 81 26 00-0062 EA 21" Condensing Unit Type 2 Wall Bracket, 220 LB Capacity	227.35	60.79
23 81 26 00-0063 LF 5/8" ID Condensate Drain Line	1.76	0.15
23 81 26 00-0064 LF 3/4" ID Condensate Drain Line	1.82	0.15
23 81 26 00-0065 Cased A/C Evaporator Coils (23 81 26 00-0001)		
23 81 26 00-0066 Vertical Cased A/C Evaporator Coils (23 81 26 00-0065)		
23 81 26 00-0067 EA 1-1/2 Ton Vertical Cased A/C Evaporator Coil	461.25	111.46
23 81 26 00-0068 EA 2 Ton Vertical Cased A/C Evaporator Coil	484.64	119.82
23 81 26 00-0069 EA 2-1/2 Ton Vertical Cased A/C Evaporator Coil	562.36	128.19
23 81 26 00-0070 EA 3 Ton Vertical Cased A/C Evaporator Coil	631.52	136.54
23 81 26 00-0071 EA 3-1/2 Ton Vertical Cased A/C Evaporator Coil	715.11	142.12
23 81 26 00-0072 EA 4 Ton Vertical Cased A/C Evaporator Coil	787.27	147.69
23 81 26 00-0073 EA 4-1/2 Ton Vertical Cased A/C Evaporator Coil	845.79	158.84
23 81 26 00-0074 EA 5 Ton Vertical Cased A/C Evaporator Coil	858.72	167.20
23 81 26 00-0075 "A" Style Horizontal Cased A/C Evaporator Coils (23 81 26 00-0065)		
23 81 26 00-0076 EA 2 Ton "A" Style Horizontal Cased A/C Evaporator Coil	543.09	114.26
23 81 26 00-0077 EA 2-1/2 Ton "A" Style Horizontal Cased A/C Evaporator Coil	614.00	120.66
23 81 26 00-0078 EA 3 Ton "A" Style Horizontal Cased A/C Evaporator Coil	692.82	128.19
23 81 26 00-0079 EA 3-1/2 Ton "A" Style Horizontal Cased A/C Evaporator Coil	718.43	132.81
23 81 26 00-0080 EA 4 Ton "A" Style Horizontal Cased A/C Evaporator Coil	752.44	139.34
23 81 26 00-0081 EA 4-1/2 Ton "A" Style Horizontal Cased A/C Evaporator Coil	767.08	146.57
23 81 26 00-0082 EA 5 Ton "A" Style Horizontal Cased A/C Evaporator Coil	781.42	153.82
23 81 26 00-0083 Slab Style Horizontal Cased A/C Evaporator Coils (23 81 26 00-0065)		
23 81 26 00-0084 EA 2 Ton Slab Style Horizontal Cased A/C Evaporator Coil	488.75	114.26
23 81 26 00-0085 EA 3 Ton Slab Style Horizontal Cased A/C Evaporator Coil	577.47	128.19
23 81 26 00-0086 EA 4 Ton Slab Style Horizontal Cased A/C Evaporator Coil	659.02	139.34
23 81 26 00-0087 EA 5 Ton Slab Style Horizontal Cased A/C Evaporator Coil	780.47	153.82
23 81 26 00-0088 Mitsubishi City Multi, Variable Refrigerant Flow (23 81 26 00-0001)		
23 81 26 00-0089 Outdoor Units (23 81 26 00-0088)		
23 81 26 00-0090 EA 6 Ton R2-Series Outdoor Unit (Mitsubishi PURY-P72YKMU-A)	13,359.76	556.39
23 81 26 00-0091 EA 8 Ton R2-Series Outdoor Unit (Mitsubishi PURY-P96YKMU-A)	14,503.73	662.38
23 81 26 00-0092 EA 10 Ton R2-Series Outdoor Unit (Mitsubishi PURY-P120YKMU-A)	16,336.10	794.85
23 81 26 00-0093 EA 12 Ton R2-Series Outdoor Unit (Mitsubishi PURY-P144YKMU-A)	20,070.67	821.34
23 81 26 00-0094 EA 12 Ton R2-Series Outdoor Unit (Mitsubishi PURY-P144YSKMU-A)	26,568.54	847.84
23 81 26 00-0095 EA 14 Ton R2-Series Outdoor Unit (Mitsubishi PURY-P168YSKMU-A)	27,553.53	874.34
23 81 26 00-0096 EA 16 Ton R2-Series Outdoor Unit (Mitsubishi PURY-P192YSKMU-A)	28,538.53	900.83
23 81 26 00-0097 EA 18 Ton R2-Series Outdoor Unit (Mitsubishi PURY-P216YSKMU-A)	30,211.94	953.82
23 81 26 00-0098 EA 20 Ton R2-Series Outdoor Unit (Mitsubishi PURY-P240YSKMU-A)	31,885.33	1,006.82
23 81 26 00-0099 EA 22 Ton R2-Series Outdoor Unit (Mitsubishi PURY-P264YSKMU-A)	35,672.89	1,059.80
23 81 26 00-0100 EA 24 Ton R2-Series Outdoor Unit (Mitsubishi PURY-P288YSKMU-A)	39,460.46	1,112.79
23 81 26 00-0101 Indoor Units (23 81 26 00-0088)		
23 81 26 00-0102 EA 6 MBH Cooling, 6.7 MBH Heating Wall Mounted Indoor Unit (Mitsubishi PKFY-P06NBMU-E2)	1,256.39	172.21
23 81 26 00-0103 EA 8 MBH Cooling, 9 MBH Heating Wall Mounted Indoor Unit (Mitsubishi PKFY-P08NHMU-E2)	1,322.99	185.46
23 81 26 00-0104 EA 12 MBH Cooling, 13.5 MBH Heating Wall Mounted Indoor Unit (Mitsubishi PKFY-P12NHMU-E2)	1,383.27	198.71
23 81 26 00-0105 EA 15 MBH Cooling, 17 MBH Heating Wall Mounted Indoor Unit (Mitsubishi PKFY-P15NHMU-E2)	1,454.09	211.96
23 81 26 00-0106 EA 18 MBH Cooling, 20 MBH Heating Wall Mounted Indoor Unit (Mitsubishi PKFY-P18NHMU-E2)	1,587.40	251.70
23 81 26 00-0107 EA 24 MBH Cooling, 27 MBH Heating Wall Mounted Indoor Unit (Mitsubishi PKFY-P24NKMU-E2)	1,786.27	304.69
23 81 26 00-0108 EA 30 MBH Cooling, 34 MBH Heating Wall Mounted Indoor Unit (Mitsubishi PKFY-P30NKMU-E2)	1,935.31	331.19
23 81 26 00-0109 EA 6 MBH Cooling, 6.7 MBH Heating Ceiling Concealed Ducted Indoor Unit (Mitsubishi PEFY-P06NMAU-E2)	1,786.92	189.43
23 81 26 00-0110 EA 8 MBH Cooling, 9 MBH Heating Ceiling Concealed Ducted Indoor Unit (Mitsubishi PEFY-P08NMAU-E2)	1,854.06	204.01
23 81 26 00-0111 EA 12 MBH Cooling, 13.5 MBH Heating Ceiling Concealed Ducted Indoor Unit (Mitsubishi PEFY-P12NMAU-E2)	1,957.09	218.59
23 81 26 00-0112 EA 15 MBH Cooling, 17 MBH Heating Ceiling Concealed Ducted Indoor Unit (Mitsubishi PEFY-P15NMAU-E2)	2,121.33	233.15
23 81 26 00-0113 EA 18 MBH Cooling, 20 MBH Heating Ceiling Concealed Ducted Indoor Unit (Mitsubishi PEFY-P18NMAU-E2)	2,256.27	276.87
23 81 26 00-0114 EA 24 MBH Cooling, 27 MBH Heating Ceiling Concealed Ducted Indoor Unit (Mitsubishi PEFY-P24NMAU-E2)	2,494.22	335.16



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 81 26 00-0115 EA 27 MBH Cooling, 30 MBH Heating Ceiling Concealed Ducted Indoor Unit (Mitsubishi PEFY-P27NMAU-E2).....	2,621.54	349.74
23 81 26 00-0116 EA 30 MBH Cooling, 34 MBH Heating Ceiling Concealed Ducted Indoor Unit (Mitsubishi PEFY-P30NMAU-E2).....	2,761.51	364.30
23 81 26 00-0117 EA 36 MBH Cooling, 40 MBH Heating Ceiling Concealed Ducted Indoor Unit (Mitsubishi PEFY-P36NMAU-E2).....	3,061.31	400.73
23 81 26 00-0118 EA 48 MBH Cooling, 54 MBH Heating Ceiling Concealed Ducted Indoor Unit (Mitsubishi PEFY-P48NMAU-E2).....	3,391.60	440.81
23 81 26 00-0119 EA 54 MBH Cooling, 60 MBH Heating Ceiling Concealed Ducted Indoor Unit (Mitsubishi PEFY-P54NMAU-E2).....	3,675.03	484.90
23 81 26 00-0120 EA 72 MBH Cooling, 80 MBH Heating Ceiling Concealed High Static Ducted Indoor Unit (Mitsubishi PEFY-P72NMHSU-E).....	4,613.24	533.38
23 81 26 00-0121 EA 96 MBH Cooling, 108 MBH Heating Ceiling Concealed High Static Ducted Indoor Unit (Mitsubishi PEFY-P96NMHSU-E).....	5,226.56	586.72
23 81 26 00-0122 EA 12 MBH Cooling, 13.5 MBH Heating 4-Way Ceiling Recessed Cassette With Grille (Mitsubishi PLFY-P12NBMU-ER2).....	1,997.20	218.59
23 81 26 00-0123 EA 15 MBH Cooling, 17 MBH Heating 4-Way Ceiling Recessed Cassette With Grille (Mitsubishi PLFY-P15NBMU-ER2).....	2,107.61	233.15
23 81 26 00-0124 EA 18 MBH Cooling, 20 MBH Heating 4-Way Ceiling Recessed Cassette With Grille (Mitsubishi PLFY-P18NBMU-ER2).....	2,242.55	276.87
23 81 26 00-0125 EA 24 MBH Cooling, 27 MBH Heating 4-Way Ceiling Recessed Cassette With Grille (Mitsubishi PLFY-P24NBMU-ER2).....	2,528.00	335.16
23 81 26 00-0126 EA 30 MBH Cooling, 34 MBH Heating 4-Way Ceiling Recessed Cassette With Grille (Mitsubishi PLFY-P30NBMU-ER2).....	2,724.57	364.30
23 81 26 00-0127 EA 36 MBH Cooling, 40 MBH Heating 4-Way Ceiling Recessed Cassette With Grille (Mitsubishi PLFY-P36NBMU-ER2).....	3,304.07	400.74
23 81 26 00-0128 EA 6 MBH Cooling, 6.7 MBH Heating 1-Way Ceiling Recessed Cassette With Grille (Mitsubishi PMFY-P06NBMU-ER5).....	1,824.92	189.43
23 81 26 00-0129 EA 8 MBH Cooling, 9 MBH Heating 1-Way Ceiling Recessed Cassette With Grille (Mitsubishi PMFY-P08NBMU-ER5).....	1,921.61	204.01
23 81 26 00-0130 EA 12 MBH Cooling, 13.5 MBH Heating 1-Way Ceiling Recessed Cassette With Grille (Mitsubishi PMFY-P12NBMU-ER5).....	2,064.75	218.59
23 81 26 00-0131 EA 15 MBH Cooling, 17 MBH Heating 1-Way Ceiling Recessed Cassette With Grille (Mitsubishi PMFY-P15NBMU-ER5).....	2,175.16	233.15
23 81 26 00-0132 EA 8 MBH Cooling, 9 MBH Heating 4-Way Ceiling Recessed Cassette With Grille (Mitsubishi PLFY-P08NCMU-ER4).....	1,705.23	204.01
23 81 26 00-0133 EA 12 MBH Cooling, 13.5 MBH Heating 4-Way Ceiling Recessed Cassette With Grille (Mitsubishi PLFY-P12NCMU-ER4).....	1,794.54	218.59
23 81 26 00-0134 EA 15 MBH Cooling, 17 MBH Heating 4-Way Ceiling Recessed Cassette With Grille (Mitsubishi PLFY-P15NCMU-ER4).....	1,888.07	233.15
23 81 26 00-0135 Controllers For Outdoor Units (23 81 26 00-0088)		
23 81 26 00-0136 EA 8 Branch (Main BC) (Mitsubishi CMB-P108NU-GA).....	5,887.81	158.97
23 81 26 00-0137 EA 10 Branch (Main BC) (Mitsubishi CMB-P1010NU-GA).....	6,794.70	185.46
23 81 26 00-0138 EA 13 Branch (Main BC) (Mitsubishi CMB-P1013NU-GA).....	7,877.86	211.96
23 81 26 00-0139 EA 16 Branch (Main BC) (Mitsubishi CMB-P1016NU-HA).....	9,343.11	238.45
23 81 26 00-0140 EA 4 Branch (Sub BC) (Mitsubishi CMB-P104NU-GB).....	3,443.90	105.98
23 81 26 00-0141 EA 8 Branch (Sub BC) (Mitsubishi CMB-P108NU-GB).....	5,303.07	158.97
23 81 26 00-0142 EA 16 Branch (Sub BC) (Mitsubishi CMB-P1016NU-HB).....	8,103.95	238.45
23 81 26 00-0143 EA ME Remote Controller (Mitsubishi PAR-F27MEA-US).....	505.39	21.19
23 81 26 00-0144 EA AG-150 Standard Package (Mitsubishi AG-150A-Standard).....	4,751.67	21.19
23 81 26 00-0145 EA GB-50ADA Standard Package (Mitsubishi GB-50ADA-A).....	2,917.21	21.19
23 81 26 00-0146 Energy Recovery Units (23 81 26 00-0088)		
23 81 26 00-0147 EA 36.2 MBH Cooling, 39.9 MBH Heating Hydronic Heat Exchanger Auxiliary Unit (Mitsubishi PWFY-P36NME-AU).....	4,384.78	158.97
23 81 26 00-0148 EA 39.9 MBH Hydronic Heat Exchanger Booster Unit (Mitsubishi PWFY-P36NME-BU).....	8,221.52	158.97
23 81 26 00-0149 EA 112 MBH Cooling, 61.4 MBH Heating Reheat Unit (Mitsubishi PEFY-AF1200CFMR).....	8,352.62	185.46
23 81 26 00-0150 EA Lossnay Energy Recovery Ventilator ERV, 300 CFM (Mitsubishi LGH-F300RX5-E).....	1,784.87	132.48
23 81 26 00-0151 EA Lossnay Energy Recovery Ventilator ERV, 470 CFM (Mitsubishi LGH-F470RX5-E).....	2,257.78	137.77
23 81 26 00-0152 EA Lossnay Energy Recovery Ventilator ERV, 600 CFM (Mitsubishi LGH-F600RX5-E).....	2,681.07	143.07
23 81 26 00-0153 EA Lossnay Energy Recovery Ventilator ERV, 1,200 CFM (Mitsubishi LGH-F1200RX3-E).....	4,833.37	158.97
23 81 26 00-0154 Piping Specialties (23 81 26 00-0088)		
23 81 26 00-0155 EA Maintenance Tool Interface (Mitsubishi CMS-MNG-E).....	601.64	
23 81 26 00-0156 EA Branch Joint (Mitsubishi CMY-Y102SS-G2).....	184.90	42.35
23 81 26 00-0157 EA Branch Joint (Mitsubishi CMY-Y102LS-G2).....	184.90	42.35
23 81 26 00-0158 EA Branch Joint (Mitsubishi CMY-Y202S-G2).....	204.20	44.57
23 81 26 00-0159 EA Branch Joint (Mitsubishi CMY-Y302S-G2).....	252.28	50.15
23 81 26 00-0160 EA Header - 4 Branch (Mitsubishi CMY-Y64-G-E).....	333.79	72.44
23 81 26 00-0161 EA Header - 8 Branch (Mitsubishi CMY-Y68-G-E).....	579.99	144.86
23 81 26 00-0162 EA Refrigeration Ball Valve-Flare/Schrader/Insulated - 3/8" (Mitsubishi BV38FFS).....	91.60	17.83
23 81 26 00-0163 EA Refrigeration Ball Valve-Flare/Schrader/Insulated - 5/8" (Mitsubishi BV58FFS).....	106.03	24.51
23 81 26 00-0164 Daikin VRV (23 81 26 00-0001)		
23 81 26 00-0165 Heat Pump Outdoor Units (23 81 26 00-0164)		
23 81 26 00-0166 EA 6 Ton Heat Pump Outdoor Unit (Daikin RXYQ2PBTJ).....	13,229.72	556.39
23 81 26 00-0167 EA 8 Ton Heat Pump Outdoor Unit (Daikin RXYQ96PBTJ).....	14,823.44	662.38
23 81 26 00-0168 EA 10 Ton Heat Pump Outdoor Unit (Daikin RXYQ120PBTJ).....	16,576.44	794.85
23 81 26 00-0169 EA 12 Ton Heat Pump Outdoor Unit (Daikin RXYQ144PBTJ).....	20,562.12	821.34
23 81 26 00-0170 EA 14 Ton Heat Pump Outdoor Unit (Daikin RXYQ168PBTJ).....	27,364.28	874.34
23 81 26 00-0171 EA 16 Ton Heat Pump Outdoor Unit (Daikin RXYQ192PBTJ).....	28,905.32	900.83
23 81 26 00-0172 EA 18 Ton Heat Pump Outdoor Unit (Daikin RXYQ216PBTJ).....	30,393.06	953.82
23 81 26 00-0173 EA 20 Ton Heat Pump Outdoor Unit (Daikin RXYQ240PBTJ).....	31,987.08	1,006.82
23 81 26 00-0174 EA 22 Ton Heat Pump Outdoor Unit (Daikin RXYQ264PBTJ).....	41,233.90	1,059.80

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 80 Decentralized Unitary HVAC Equipment****23 81 Decentralized Unitary HVAC Equipment**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 81	26 00-0175	EA	24 Ton Heat Pump Outdoor Unit (Daikin RXYQ288PBTJ)	42,827.93	1,112.79
23 81	26 00-0176	EA	26 Ton Heat Pump Outdoor Unit (Daikin RXYQ312PBTJ)	44,421.94	1,165.78
23 81	26 00-0177	EA	28 Ton Heat Pump Outdoor Unit (Daikin RXYQ336PBTJ)	45,909.69	1,218.77
23 81	26 00-0178	EA	30 Ton Heat Pump Outdoor Unit (Daikin RXYQ360PBTJ)	47,503.71	1,271.76
23 81 26 00-0179 Heat Recovery Heat Pump Outdoor Units <small>(23 81 26 00-0164)</small>					
23 81	26 00-0180	EA	6 Ton Heat Recovery Heat Pump Outdoor Unit (Daikin REYQ72PBTJ)	16,951.77	723.32
23 81	26 00-0181	EA	8 Ton Heat Recovery Heat Pump Outdoor Unit (Daikin REYQ96PBTJ)	18,549.91	861.09
23 81	26 00-0182	EA	10 Ton Heat Recovery Heat Pump Outdoor Unit (Daikin REYQ120PBTJ)	20,454.58	1,033.31
23 81	26 00-0183	EA	12 Ton Heat Recovery Heat Pump Outdoor Unit (Daikin REYQ144PBTJ)	25,519.05	1,067.75
23 81	26 00-0184	EA	14 Ton Heat Recovery Heat Pump Outdoor Unit (Daikin REYQ168PBTJ)	34,266.22	1,136.64
23 81	26 00-0185	EA	16 Ton Heat Recovery Heat Pump Outdoor Unit (Daikin REYQ192PBTJ)	36,886.04	1,171.08
23 81	26 00-0186	EA	18 Ton Heat Recovery Heat Pump Outdoor Unit (Daikin REYQ216PBTJ)	38,299.28	1,239.97
23 81	26 00-0187	EA	20 Ton Heat Recovery Heat Pump Outdoor Unit (Daikin REYQ240PBTJ)	39,712.53	1,308.85
23 81	26 00-0188	EA	22 Ton Heat Recovery Heat Pump Outdoor Unit (Daikin REYQ264PBTJ)	52,020.37	1,377.74
23 81	26 00-0189	EA	24 Ton Heat Recovery Heat Pump Outdoor Unit (Daikin REYQ288PBTJ)	53,433.61	1,446.63
23 81	26 00-0190	EA	26 Ton Heat Recovery Heat Pump Outdoor Unit (Daikin REYQ312PBTJ)	56,122.32	1,515.52
23 81	26 00-0191	EA	28 Ton Heat Recovery Heat Pump Outdoor Unit (Daikin REYQ336PBTJ)	57,535.56	1,584.40
23 81 26 00-0192 Indoor Units <small>(23 81 26 00-0164)</small>					
23 81	26 00-0193	EA	7.5 MBH Cooling, 8.5 MBH Heating Wall Mounted Indoor Unit (Daikin FXAQ07PVJU)	1,614.31	185.46
23 81	26 00-0194	EA	9.5 MBH Cooling, 10.5 MBH Heating Wall Mounted Indoor Unit (Daikin FXAQ09PVJU)	1,684.07	190.76
23 81	26 00-0195	EA	12 MBH Cooling, 13.5 MBH Heating Wall Mounted Indoor Unit (Daikin FXAQ12PVJU)	1,891.49	198.71
23 81	26 00-0196	EA	18 MBH Cooling, 20 MBH Heating Wall Mounted Indoor Unit (Daikin FXAQ18PVJU)	2,143.86	251.70
23 81	26 00-0197	EA	24 MBH Cooling, 26.5 MBH Heating Wall Mounted Indoor Unit (Daikin FXAQ24PVJU)	2,376.19	304.69
23 81	26 00-0198	EA	7.5 MBH Cooling, 8.5 MBH Heating Ceiling Concealed Ducted Indoor Unit (Daikin FXMQ07PVJU)	2,309.19	204.01
23 81	26 00-0199	EA	9.5 MBH Cooling, 10.5 MBH Heating Ceiling Concealed Ducted Indoor Unit (Daikin FXMQ09PVJU)	2,386.02	209.84
23 81	26 00-0200	EA	12 MBH Cooling, 13.5 MBH Heating Ceiling Concealed Ducted Indoor Unit (Daikin FXMQ12PVJU)	2,504.79	116.58
23 81	26 00-0201	EA	18 MBH Cooling, 20 MBH Heating Ceiling Concealed Ducted Indoor Unit (Daikin FXMQ18PVJU)	2,696.57	276.87
23 81	26 00-0202	EA	24 MBH Cooling, 27 MBH Heating Ceiling Concealed Ducted Indoor Unit (Daikin FXMQ24PVJU)	3,201.20	335.16
23 81	26 00-0203	EA	30 MBH Cooling, 34 MBH Heating Ceiling Concealed Ducted Indoor Unit (Daikin FXMQ30PVJU)	3,645.55	364.30
23 81	26 00-0204	EA	36 MBH Cooling, 40 MBH Heating Ceiling Concealed Ducted Indoor Unit (Daikin FXMQ36PVJU)	3,904.91	400.73
23 81	26 00-0205	EA	48 MBH Cooling, 54 MBH Heating Ceiling Concealed Ducted Indoor Unit (Daikin FXMQ48PVJU)	4,060.26	440.81
23 81	26 00-0206	EA	7.5 MBH Cooling, 8.7 MBH Heating 4-Way Ceiling Recessed Cassette With Grille (Daikin FXZQ07M7VJU)	2,563.88	204.01
23 81	26 00-0207	EA	9.5 MBH Cooling, 11.1 MBH Heating 4-Way Ceiling Recessed Cassette With Grille (Daikin FXZQ09M7VJU)	2,625.68	209.84
23 81	26 00-0208	EA	12 MBH Cooling, 14 MBH Heating 4-Way Ceiling Recessed Cassette With Grille (Daikin FXZQ12M7VJU)	2,788.56	218.59
23 81	26 00-0209	EA	18 MBH Cooling, 21 MBH Heating 4-Way Ceiling Recessed Cassette With Grille (Daikin FXZQ18M7VJU)	3,010.43	276.87
23 81 26 00-0210 Branch Selector Boxes <small>(23 81 26 00-0164)</small>					
23 81	26 00-0211	EA	144 MBH, 4 Branch, Multi Port Branch Selector Box (Daikin BSV4Q36PVJU)	7,491.97	238.45
23 81	26 00-0212	EA	216 MBH, 6 Branch, Multi Port Branch Selector Box (Daikin BSV6Q36PVJU)	11,052.19	317.94
23 81	26 00-0213	EA	36 MBH, 4 Branch, Single Port Branch Selector Box (Daikin BSVQ36PVJU)	1,525.53	105.98
23 81	26 00-0214	EA	60 MBH, 8 Branch, Single Port Branch Selector Box (Daikin BSVQ60PVJU)	2,069.70	158.97
23 81	26 00-0215	EA	96 MBH, 8 Branch, Single Port Branch Selector Box (Daikin BSVQ96PVJU)	2,602.69	238.45
23 81 26 00-0216 Controllers <small>(23 81 26 00-0164)</small>					
23 81	26 00-0217	EA	Up To 16 Units, Navigation Controller (Daikin BRC1E71)	537.85	21.19
23 81	26 00-0218	EA	Individual Zone Controller (Daikin BRC2A71)	413.51	21.19
23 81	26 00-0219	EA	Up To 16 Groups, Unified ON/OFF Controller (Daikin DCS301C71)	717.33	21.19
23 81	26 00-0220	EA	Up To 64 Units, Multizone Controller (Daikin DCS302C71)	969.02	21.19
23 81	26 00-0221	EA	I-Touch Manager Replaced Both Daikin IMP-128 thru 1024 and DCS601C71 (Daikin DCM601A71)	9,261.79	254.36
23 81	26 00-0222	EA	I-Touch Manager D3net Plus Adapter (Daikin DCM601A72)	1,615.78	21.19
23 81 26 00-0223 Energy Recovery Units <small>(23 81 26 00-0164)</small>					
23 81	26 00-0224	EA	300 CFM Energy Recovery Unit (Daikin VAM300GVJU)	2,630.38	132.48
23 81	26 00-0225	EA	470 CFM Energy Recovery Unit (Daikin VAM470GVJU)	3,385.00	137.77
23 81	26 00-0226	EA	600 CFM Energy Recovery Unit (Daikin VAM600GVJU)	4,033.32	143.07
23 81	26 00-0227	EA	1,200 CFM Energy Recovery Unit (Daikin VAM1200GVJU)	7,439.29	158.97
23 81 43 Air-Source Unitary Heat Pumps <small>(23 81)</small>					
23 81 43 00-0001 Single Package Thru-Wall Heat Pumps <small>(23 81 43)</small>					
Note: Air-to-air type with electric heat. Includes throwaway filters. Through the wall units are wired for 230/208 V, 1 phase, 60 HZ. With electronic controls, thermostat, cord and NEMA plug. Units are shipped fully factory assembled in one piece, prewired, prepiped and charged with refrigerant, complete with push button controls all mounted in a steel cabinet, wall sleeve and outdoor grille. Excludes crane and associated personnel.					
23 81	43 00-0002	EA	1/2 Ton Single Package Heat Pump, Air To Air Type With Electric Heat	1,852.06	172.67
			For Unit Economizer, Add	215.57	
			For >35 To 70, Deduct	-45.55	
			For >70 To 100, Deduct	-75.91	
			For >100, Deduct	-106.28	
			For Low Ambient Protection, 0 Degree F, Add	220.10	



Heating, Ventilating, And Air-Conditioning (HVAC)	23
Decentralized Unitary HVAC Equipment	23 80
Decentralized Unitary HVAC Equipment	23 81

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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 81 43 00-0003 EA 1 Ton Single Package Heat Pump, Air To Air Type With Electric Heat.....	2,043.79	184.18
For Unit Economizer, Add	238.12	
For >35 To 70, Deduct	-50.61	
For >70 To 100, Deduct	-84.35	
For >100, Deduct	-118.09	
For Low Ambient Protection, 0 Degree F, Add	241.04	
23 81 43 00-0004 EA 1-1/2 Ton Single Package Heat Pump, Air To Air Type With Electric Heat.....	3,460.81	184.18
For Unit Economizer, Add	408.16	
For >35 To 70, Deduct	-93.12	
For >70 To 100, Deduct	-155.20	
For >100, Deduct	-217.28	
For Low Ambient Protection, 0 Degree F, Add	368.57	
23 81 43 00-0005 EA 2 Ton Single Package Heat Pump, Air To Air Type With Electric Heat.....	3,787.48	184.18
For Unit Economizer, Add	446.90	
For >35 To 70, Deduct	-102.23	
For >70 To 100, Deduct	-170.38	
For >100, Deduct	-238.53	
For Low Ambient Protection, 0 Degree F, Add	197.20	
23 81 43 00-0006 EA 2-1/2 Ton Single Package Heat Pump, Air To Air Type With Electric Heat.....	4,282.85	195.69
For Unit Economizer, Add	505.88	
For >35 To 70, Deduct	-116.40	
For >70 To 100, Deduct	-194.00	
For >100, Deduct	-271.60	
For Low Ambient Protection, 0 Degree F, Add	217.12	
23 81 43 00-0007 EA 3 Ton Single Package Heat Pump, Air To Air Type With Electric Heat.....	4,485.28	207.20
For Unit Economizer, Add	530.18	
For >35 To 70, Deduct	-122.47	
For >70 To 100, Deduct	-204.12	
For >100, Deduct	-285.77	
For Low Ambient Protection, 0 Degree F, Add	631.43	
23 81 43 00-0008 EA 3-1/2 Ton Single Package Heat Pump, Air To Air Type With Electric Heat.....	5,048.12	207.20
For Unit Economizer, Add	597.26	
For >35 To 70, Deduct	-138.67	
For >70 To 100, Deduct	-231.11	
For >100, Deduct	-323.55	
For Low Ambient Protection, 0 Degree F, Add	707.36	
23 81 43 00-0009 EA 4 Ton Single Package Heat Pump, Air To Air Type With Electric Heat.....	5,565.71	218.71
For Unit Economizer, Add	659.14	
For >35 To 70, Deduct	-153.85	
For >70 To 100, Deduct	-256.41	
For >100, Deduct	-358.98	
For Low Ambient Protection, 0 Degree F, Add	776.03	
23 81 43 00-0010 EA 5 Ton Single Package Heat Pump, Air To Air Type With Electric Heat.....	6,410.77	253.24
For Unit Economizer, Add	759.16	
For >35 To 70, Deduct	-177.13	
For >70 To 100, Deduct	-295.21	
For >100, Deduct	-413.30	
For Low Ambient Protection, 0 Degree F, Add	894.18	
23 81 43 00-0011 EA 7-1/2 Ton Single Package Heat Pump, Air To Air Type With Electric Heat.....	11,710.14	299.29
For Unit Economizer, Add	1,393.02	
For >35 To 70, Deduct	-333.00	
For >70 To 100, Deduct	-555.00	
For >100, Deduct	-777.00	
For Low Ambient Protection, 0 Degree F, Add	1,595.53	
23 81 43 00-0012 EA 10 Ton Single Package Heat Pump, Air To Air Type With Electric Heat.....	15,076.47	379.87
For Unit Economizer, Add	1,793.75	
For >35 To 70, Deduct	-429.16	
For >70 To 100, Deduct	-715.26	
For >100, Deduct	-1,001.37	
For Low Ambient Protection, 0 Degree F, Add	335.86	
23 81 43 00-0013 EA 12-1/2 Ton Single Package Heat Pump, Air To Air Type With Electric Heat	18,395.97	425.91
For Unit Economizer, Add	2,190.48	
For >35 To 70, Deduct	-526.32	
For >70 To 100, Deduct	-877.21	
For >100, Deduct	-1,228.09	
For Low Ambient Protection, 0 Degree F, Add	388.40	
23 81 43 00-0014 EA 15 Ton Single Package Heat Pump, Air To Air Type With Electric Heat.....	22,683.18	483.47
For Unit Economizer, Add	2,702.87	
For >35 To 70, Deduct	-651.83	
For >70 To 100, Deduct	-1,086.39	
For >100, Deduct	-1,520.94	
For Low Ambient Protection, 0 Degree F, Add	456.13	
23 81 43 00-0015 EA 20 Ton Single Package Heat Pump, Air To Air Type With Electric Heat.....	30,186.28	518.00
For Unit Economizer, Add	3,601.63	
For >35 To 70, Deduct	-874.51	
For >70 To 100, Deduct	-1,457.51	
For >100, Deduct	-2,040.52	
For Low Ambient Protection, 0 Degree F, Add	550.50	
23 81 43 00-0016 EA 25 Ton Single Package Heat Pump, Air To Air Type With Electric Heat.....	36,351.35	564.05
For Unit Economizer, Add	4,339.60	
For >35 To 70, Deduct	-1,056.70	
For >70 To 100, Deduct	-1,761.16	
For >100, Deduct	-2,465.63	
For Low Ambient Protection, 0 Degree F, Add	634.26	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 80 Decentralized Unitary HVAC Equipment****23 81 Decentralized Unitary HVAC Equipment**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

23 81 43 00-0017	Single Package Vertical Wall Heat Pumps <small>(23 81 43)</small>		
	Note: Air-to-air type with electric heat. Includes throwaway filters. Wall units are wired for 230/208 V, 1 phase, 60 HZ. With solid state electronic controls, thermostat, cord and NEMA plug. Units are shipped fully factory assembled in one piece, prewired, prepiped and charged with refrigerant, complete with push button controls, insulated steel cabinet, with wall sleeve and outdoor grille and stainless steel drain pan. Excludes crane and associated personnel.		
23 81 43 00-0018	EA 1/2 Ton Package Heat Pump, Vertical Wall Unit, Air To Air Type With Electric Heat.....	2,842.22	230.23
23 81 43 00-0019	EA 1 Ton Single Package Heat Pump, Vertical Wall Unit, Air To Air Type With Electric Heat.....	3,438.99	253.24
23 81 43 00-0020	EA 1-1/2 Ton Single Package Heat Pump, Vertical Wall Unit, Air To Air Type With Electric Heat	4,431.01	264.76
23 81 43 00-0021	EA 2 Ton Single Package Heat Pump, Vertical Wall Unit, Air To Air Type With Electric Heat.....	5,076.31	287.77
23 81 43 00-0022	EA 2-1/2 Ton Single Package Heat Pump, Vertical Wall Unit, Air To Air Type With Electric Heat	6,341.40	333.82
23 81 43 00-0023	EA 3 Ton Single Package Heat Pump, Vertical Wall Unit, Air To Air Type With Electric Heat.....	6,778.98	379.87
23 81 43 00-0024	EA 3-1/2 Ton Single Package Heat Pump, Vertical Wall Unit, Air To Air Type With Electric Heat	7,367.07	425.91
23 81 43 00-0025	EA 4 Ton Single Package Heat Pump, Vertical Wall Unit, Air To Air Type With Electric Heat.....	8,287.91	471.96
23 81 43 00-0026	EA 5 Ton Single Package Heat Pump, Vertical Wall Unit, Air To Air Type With Electric Heat.....	9,351.84	564.05

23 81 43 00-0027 Heat Pump, Room Air-Conditioners (23 81 43)

Note: Includes throwaway filters and supplemental heat.

23 81 43 00-0028 Heat Pump, Window Unit, Room Air-Conditioners (23 81 43 00-0027)**23 81 43 00-0029 Heat Pump, Window Unit, Room Air-Conditioners (Friedrich)** (23 81 43 00-0028)

23 81 43 00-0030	EA 9,500 BTU, 10.4 EER, 230/208 Volt, Heat Pump, Through-The-Wall, Room Air-Conditioner (Friedrich YS10N10B)	1,431.56	111.27
	<i>For >10 To 50, Deduct</i>	-60.45	
	<i>For >50 To 75, Deduct</i>	-84.63	
	<i>For >75 To 100, Deduct</i>	-120.90	
	<i>For >100, Deduct</i>	-145.08	
23 81 43 00-0031	EA 11,500 BTU, 10.4 EER, 230/208 Volt, Heat Pump, Through-The-Wall, Room Air-Conditioner (Friedrich YS12N33B).....	1,571.56	111.27
	<i>For >10 To 50, Deduct</i>	-67.45	
	<i>For >50 To 75, Deduct</i>	-94.43	
	<i>For >75 To 100, Deduct</i>	-134.90	
	<i>For >100, Deduct</i>	-161.88	
23 81 43 00-0032	EA 17,500 BTU, 10.4 EER, 230/208 Volt, Heat Pump, Through-The-Wall, Room Air-Conditioner (Friedrich YM18N34B)	1,781.56	111.27
	<i>For >10 To 50, Deduct</i>	-77.95	
	<i>For >50 To 75, Deduct</i>	-109.13	
	<i>For >75 To 100, Deduct</i>	-155.90	
	<i>For >100, Deduct</i>	-187.08	
23 81 43 00-0033	EA 24,000 BTU, 9.8 EER, 230/208 Volt, Heat Pump, Through-The-Wall, Room Air-Conditioner (Friedrich YL24N35B).....	2,071.56	111.27
	<i>For >10 To 50, Deduct</i>	-92.45	
	<i>For >50 To 75, Deduct</i>	-129.43	
	<i>For >75 To 100, Deduct</i>	-184.90	
	<i>For >100, Deduct</i>	-221.88	

23 81 43 00-0034 Heat Pump, Through-The-Wall, Room Air-Conditioners (23 81 43 00-0027)

Note: Base unit excludes wall sleeve.

23 81 43 00-0035 Heat Pump, Through-The-Wall, Room Air-Conditioners (Friedrich) (23 81 43 00-0034)

23 81 43 00-0036	EA 9,300 BTU, 9.8 EER, 230/208 Volt, Heat Pump, Through-The-Wall, Room Air-Conditioner (Friedrich WY09C33D)	1,357.97	79.49
	<i>For >10 To 50, Deduct</i>	-59.95	
	<i>For >50 To 75, Deduct</i>	-83.93	
	<i>For >75 To 100, Deduct</i>	-119.90	
	<i>For >100, Deduct</i>	-143.88	
	<i>For 27" Wide x 16-3/4" Deep x 16-3/4" High, Wall Sleeve (Friedrich WSE), Add</i>	227.98	
23 81 43 00-0037	EA 12,000 BTU, 8.6 EER, 230/208 Volt, Heat Pump, Through-The-Wall, Room Air-Conditioner (Friedrich WY12C33).....	1,307.97	79.49
	<i>For >10 To 50, Deduct</i>	-57.45	
	<i>For >50 To 75, Deduct</i>	-80.43	
	<i>For >75 To 100, Deduct</i>	-114.90	
	<i>For >100, Deduct</i>	-137.88	
	<i>For 27" Wide x 16-3/4" Deep x 16-3/4" High, Wall Sleeve (Friedrich WSE), Add</i>	227.98	

23 81 46 Water-Source Unitary Heat Pumps (23 81)**23 81 46 00-0001 Horizontal, Ceiling Mounted, Geothermal Water Source Heat Pumps** (23 81 46)

Note: R410a. Includes rubber isolator hanger brackets. McQuay CCW Series.

23 81 46 00-0002	EA 7 MBH, 300 CFM Horizontal, Ceiling Mounted, Geothermal Water Source Heat Pump	1,803.40	222.93
23 81 46 00-0003	EA 9 MBH, 300 CFM Horizontal, Ceiling Mounted, Geothermal Water Source Heat Pump	1,853.27	222.93
23 81 46 00-0004	EA 12 MBH, 400 CFM Horizontal, Ceiling Mounted, Geothermal Water Source Heat Pump	2,129.48	245.23
23 81 46 00-0005	EA 19 MBH, 630 CFM Horizontal, Ceiling Mounted, Geothermal Water Source Heat Pump	2,252.75	267.51
23 81 46 00-0006	EA 24 MBH, 800 CFM Horizontal, Ceiling Mounted, Geothermal Water Source Heat Pump	2,419.23	289.81
23 81 46 00-0007	EA 30 MBH, 1,000 CFM Horizontal, Ceiling Mounted, Geothermal Water Source Heat Pump	2,818.44	312.11
23 81 46 00-0008	EA 36 MBH, 1,200 CFM Horizontal, Ceiling Mounted, Geothermal Water Source Heat Pump	2,896.27	334.39
23 81 46 00-0009	EA 42 MBH, 1,400 CFM Horizontal, Ceiling Mounted, Geothermal Water Source Heat Pump	3,151.42	356.69
23 81 46 00-0010	EA 48 MBH, 1,600 CFM Horizontal, Ceiling Mounted, Geothermal Water Source Heat Pump	3,362.24	378.98
23 81 46 00-0011	EA 60 MBH, 2,000 CFM Horizontal, Ceiling Mounted, Geothermal Water Source Heat Pump	3,434.53	401.28

23 81 49 Split System Heat Pumps (23 81)**23 81 49 00-0001 Air Cooled, Outdoor Section** (23 81 49)



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 81 49 00-0002 EA 1.5 Ton, 14 SEER, Outdoor Heat Pump Unit..... Note: Precharged with refrigerant capable of charging the system with a 20' length of piping. For Low Ambient Protection, 0 Degree F, Add For Winterstart Control, Add For 16 SEER, Add For 18 SEER, Add	2,011.35 383.37 111.53 433.07 657.07	341.88
23 81 49 00-0003 EA 2 Ton, 14 SEER, Outdoor Heat Pump Unit..... Note: Precharged with refrigerant capable of charging the system with a 20' length of piping. For Low Ambient Protection, 0 Degree F, Add For Winterstart Control, Add For 16 SEER, Add For 18 SEER, Add	2,098.01 402.71 118.45 441.51 669.88	379.87
23 81 49 00-0004 EA 2.5 Ton, 14 SEER, Outdoor Heat Pump Unit..... Note: Precharged with refrigerant capable of charging the system with a 20' length of piping. For Low Ambient Protection, 0 Degree F, Add For Winterstart Control, Add For 16 SEER, Add For 18 SEER, Add	2,314.55 446.89 132.64 477.60 724.64	440.88
23 81 49 00-0005 EA 3 Ton, 14 SEER, Outdoor Heat Pump Unit..... Note: Precharged with refrigerant capable of charging the system with a 20' length of piping. For Low Ambient Protection, 0 Degree F, Add For Winterstart Control, Add For 16 SEER, Add For 18 SEER, Add	2,548.82 405.63 148.00 516.60 783.81	506.49
23 81 49 00-0006 EA 3.5 Ton, 14 SEER, Outdoor Heat Pump Unit..... Note: Precharged with refrigerant capable of charging the system with a 20' length of piping. For Low Ambient Protection, 0 Degree F, Add For Winterstart Control, Add For 16 SEER, Add For 18 SEER, Add	2,632.47 419.49 153.11 532.32 807.65	526.06
23 81 49 00-0007 EA 4 Ton, 14 SEER, Outdoor Heat Pump Unit..... Note: Precharged with refrigerant capable of charging the system with a 20' length of piping. For Low Ambient Protection, 0 Degree F, Add For Winterstart Control, Add For 16 SEER, Add For 18 SEER, Add	2,911.67 461.63 168.27 594.02 901.27	604.33
23 81 49 00-0008 EA 5 Ton, 14 SEER, Outdoor Heat Pump Unit..... Note: Precharged with refrigerant capable of charging the system with a 20' length of piping. For Low Ambient Protection, 0 Degree F, Add For Winterstart Control, Add For 16 SEER, Add For 18 SEER, Add	3,296.08 354.74 118.43 680.46 1,032.42	664.77
23 81 49 00-0009 EA 7.5 Ton, 11.5 EER, Outdoor Heat Pump Unit..... Note: Precharged with refrigerant capable of charging the system with a 20' length of piping. For Low Ambient Protection, 0 Degree F, Add For Winterstart Control, Add	6,281.19 526.02 158.19	741.87
23 81 49 00-0010 EA 10 Ton, 11.1 EER, Outdoor Heat Pump Unit..... Note: Precharged with refrigerant capable of charging the system with a 20' length of piping. For Low Ambient Protection, 0 Degree F, Add For Winterstart Control, Add	8,665.52 399.05 201.30	890.23
23 81 49 00-0011 EA 15 Ton, 10.9 EER, Outdoor Heat Pump Unit..... Note: Precharged with refrigerant capable of charging the system with a 20' length of piping. For Low Ambient Protection, 0 Degree F, Add For Winterstart Control, Add	11,374.41 450.64 246.96	1,038.60
23 81 49 00-0012 EA 20 Ton, 10.3 EER, Outdoor Heat Pump Unit..... Note: Precharged with refrigerant capable of charging the system with a 20' length of piping. For Low Ambient Protection, 0 Degree F, Add For Winterstart Control, Add	15,635.19 477.95 299.40	1,112.79
23 81 49 00-0013 Indoor Section, Horizontal Upflow (23 81 49) Note: Electric heat. Includes throwaway filters.		
23 81 49 00-0014 EA 2 Ton Indoor Section Split Heat Pump Packaged Unit, Horizontal Upflow With 5 KW Electric Heat For Additional 5 KW Electric Heat, Add	1,091.96 97.80	113.40
23 81 49 00-0015 EA 2-1/2 Ton Indoor Section Split Heat Pump Packaged Unit, Horizontal Upflow With 5 KW Electric Heat For Additional 5 KW Electric Heat, Add	1,207.72 106.64	141.27
23 81 49 00-0016 EA 3 Ton Indoor Section Split Heat Pump Packaged Unit, Horizontal Upflow With 5 KW Electric Heat For Additional 5 KW Electric Heat, Add	1,266.99 109.61	170.63
23 81 49 00-0017 EA 3-1/2 Ton Indoor Section Split Heat Pump Packaged Unit, Horizontal Upflow With 5 KW Electric Heat For Additional 5 KW Electric Heat, Add	1,699.90 149.99	199.77
23 81 49 00-0018 EA 4 Ton Indoor Section Split Heat Pump Packaged Unit, Horizontal Upflow With 10 KW Electric Heat For Additional 5 KW Electric Heat, Add	1,750.95 152.55	225.21
23 81 49 00-0019 EA 5 Ton Indoor Section Split Heat Pump Packaged Unit, Horizontal Upflow With 10 KW Electric Heat For Additional 5 KW Electric Heat, Add	1,944.36 168.59	258.59
23 81 49 00-0020 EA 7-1/2 Ton Indoor Section Split Heat Pump Packaged Unit, Horizontal Upflow With 10 KW Electric Heat For Additional 5 KW Electric Heat, Add	4,116.29 369.24	423.92
23 81 49 00-0021 EA 10 Ton Indoor Section Split Heat Pump Packaged Unit, Horizontal Upflow With 15 kW Electric Heat..... For Additional 5 KW Electric Heat, Add	6,030.89 555.40	476.91
23 81 49 00-0022 EA 15 Ton Indoor Section Split Heat Pump Packaged Unit, Horizontal Upflow With 15KW Electric Heat For Additional 5 KW Electric Heat, Add	8,425.09 789.52	529.90
23 81 49 00-0023 EA 20 Ton Indoor Section Split Heat Pump Packaged Unit, Horizontal Upflow With 15 KW Electric Heat For Additional 5 KW Electric Heat, Add	9,584.33 894.83	635.88

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 80 Decentralized Unitary HVAC Equipment****23 81 Decentralized Unitary HVAC Equipment**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 81 49 00-0024 Ductless Split System Heat Pumps ^(23 81 49) Note: Excludes refrigerant piping, electrical, and pad. Sanyo units or equal. See CSI section 23 81 26 00-0030 for accessories.		
23 81 49 00-0025 Wall Mounted Ductless Split System Heat Pumps ^(23 81 49 00-0024)		
23 81 49 00-0026 EA 9,000 BTU Cooling, 12,200 BTU Heating, 16 SEER, Wall Mounted Ductless Split System Heat Pumps.....	2,034.57	349.74
Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.		
23 81 49 00-0027 EA 11,900 BTU Cooling, 13,300 BTU Heating, 17 SEER, Wall Mounted Ductless Split System Heat Pumps.....	2,248.47	381.53
Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.		
23 81 49 00-0028 EA 17,500 BTU Cooling, 20,400 BTU Heating, 20 SEER, Wall Mounted Ductless Split System Heat Pumps.....	2,731.26	423.92
Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.		
23 81 49 00-0029 EA 24,200 BTU Cooling, 29,000 BTU Heating, 17 SEER, Wall Mounted Ductless Split System Heat Pumps.....	3,138.40	466.31
Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.		
23 81 49 00-0030 EA 25,200 BTU Cooling, 29,200 BTU Heating, 14.9 SEER, Wall Mounted Ductless Split System Heat Pumps.....	4,395.36	508.70
Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.		
23 81 49 00-0031 EA 29,800 BTU Cooling, 34,800 BTU Heating, 15 SEER, Wall Mounted Ductless Split System Heat Pumps.....	5,070.49	529.90
Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.		
23 81 49 00-0032 EA 31,400 BTU Cooling, 36,400 BTU Heating, 15.9 SEER, Wall Mounted Ductless Split System Heat Pumps.....	5,556.17	564.88
Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.		
23 81 49 00-0033 Dual and Tri Zone Wall Mounted Ductless Split System Heat Pumps ^(23 81 49 00-0024) Note: Use this section only when matching indoor and outdoor capacity units are not used.		
23 81 49 00-0034 EA 7,500 BTU Cooling, 8,500 BTU Heating Indoor Unit, Wall Mounted Ductless Split System Heat Pumps.....	851.99	169.57
Note: Includes indoor unit and wireless thermostat.		
23 81 49 00-0035 EA 9,000 BTU Cooling, 12,200 BTU Heating Indoor Unit, Wall Mounted Ductless Split System Heat Pumps.....	900.52	180.17
Note: Includes indoor unit and wireless thermostat.		
23 81 49 00-0036 EA 11,900 BTU Cooling, 14,300 BTU Heating Indoor Unit, Wall Mounted Ductless Split System Heat Pumps.....	949.79	190.76
Note: Includes indoor unit and wireless thermostat.		
23 81 49 00-0037 EA 17,500 BTU Cooling, 20,400 BTU Heating Indoor Unit, Wall Mounted Ductless Split System Heat Pumps.....	1,076.17	201.37
Note: Includes indoor unit and wireless thermostat.		
23 81 49 00-0038 EA 24,200 BTU Cooling, 29,000 BTU Heating Indoor Unit, Wall Mounted Ductless Split System Heat Pumps.....	1,146.74	211.96
Note: Includes indoor unit and wireless thermostat.		
23 81 49 00-0039 EA 19,700 BTU Cooling, 24,800 BTU Heating, 16.4 SEER, Outdoor Unit, Wall Mounted Ductless Split System Heat Pumps.....	2,473.49	254.36
Note: Includes outdoor unit and refrigerant charge.		
23 81 49 00-0040 EA 23,200 BTU Cooling, 29,200 BTU Heating, 16.5 SEER, Outdoor Unit, Wall Mounted Ductless Split System Heat Pumps.....	2,923.13	275.55
Note: Includes outdoor unit and refrigerant charge.		
23 81 49 00-0041 EA 30,600 BTU Cooling, 32,000 BTU Heating, 17.2 SEER, Outdoor Unit, Wall Mounted Ductless Split System Heat Pumps.....	4,685.35	296.75
Note: Includes outdoor unit and refrigerant charge.		
23 81 49 00-0042 Suspended Ceiling Mounted Ductless Split System Heat Pumps ^(23 81 49 00-0024) Note: Excludes hangers.		
23 81 49 00-0043 EA 24,400 BTU Cooling, 30,800 BTU Heating, 14.5 SEER, Ceiling Suspended Ductless Split System Heat Pumps.....	4,684.77	508.70
Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.		
23 81 49 00-0044 EA 31,200 BTU Cooling, 37,400 BTU Heating, 15.1 SEER, Ceiling Suspended Ductless Split System Heat Pumps.....	5,687.73	607.27
Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.		
23 81 49 00-0045 EA 39,000 BTU Cooling, 44,500 BTU Heating, 15.6 SEER, Ceiling Suspended Ductless Split System Heat Pumps.....	6,827.99	635.88
Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.		
23 81 49 00-0046 Recessed Ceiling Mounted Ductless Split System Heat Pumps ^(23 81 49 00-0024) Note: Excludes hangers.		
23 81 49 00-0047 EA 11,900 BTU Cooling, 13,600 BTU Heating, 16 SEER, Ceiling Recessed Ductless Split System Heat Pumps.....	3,134.51	423.92
Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.		
23 81 49 00-0048 EA 17,500 BTU Cooling, 20,400 BTU Heating, 16 SEER, Ceiling Recessed Ductless Split System Heat Pumps.....	3,551.94	466.31
Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.		
23 81 49 00-0049 EA 24,800 BTU Cooling, 29,800 BTU Heating, 14.1 SEER, Ceiling Recessed Ductless Split System Heat Pumps.....	4,680.57	551.09
Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.		
23 81 49 00-0050 EA 32,600 BTU Cooling, 37,600 BTU Heating, 14.6 SEER, Ceiling Recessed Ductless Split System Heat Pumps.....	5,393.92	607.27
Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.		
23 81 49 00-0051 EA 39,500 BTU Cooling, 48,000 BTU Heating, 14.6 SEER, Ceiling Recessed Ductless Split System Heat Pumps.....	6,681.09	635.88
Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.		
23 82 Convection Heating And Cooling Units ^(23 80)		
23 82 16 Air Coils ^(23 82)		
23 82 16 00-0001 Chilled Water Cooling Coils ^(23 82 16) Note: Flanged construction, 16 gauge galvanized steel casing.		
23 82 16 00-0002 2 Row Chilled Water Cooling Coils ^(23 82 16 00-0001)		
23 82 16 00-0003 EA 12" x 12" Chilled Water Cooling Coil, 2 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	828.87	55.73
23 82 16 00-0004 EA 12" x 24" Chilled Water Cooling Coil, 2 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	1,349.92	75.79
23 82 16 00-0005 EA 24" x 30" Chilled Water Cooling Coil, 2 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	1,844.01	119.27



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 82 16 00-0006 EA 24" x 48" Chilled Water Cooling Coil, 2 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	2,272.80	170.54
23 82 16 00-0007 EA 30" x 48" Chilled Water Cooling Coil, 2 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	2,458.96	209.55
23 82 16 00-0008 EA 30" x 60" Chilled Water Cooling Coil, 2 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	2,781.93	254.14
23 82 16 00-0009 EA 30" x 72" Chilled Water Cooling Coil, 2 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	3,017.41	294.27
23 82 16 00-0010 EA 30" x 84" Chilled Water Cooling Coil, 2 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	3,304.94	519.88
23 82 16 00-0011 EA 34" x 32" Chilled Water Cooling Coil, 2 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	1,910.73	197.63
23 82 16 00-0012 EA 34" x 48" Chilled Water Cooling Coil, 2 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	2,544.27	336.51
23 82 16 00-0013 EA 34" x 60" Chilled Water Cooling Coil, 2 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	2,861.06	418.00
23 82 16 00-0014 EA 34" x 72" Chilled Water Cooling Coil, 2 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	3,223.60	504.83
23 82 16 00-0015 EA 34" x 84" Chilled Water Cooling Coil, 2 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	3,560.64	587.87
23 82 16 00-0016 4 Row Chilled Water Cooling Coils (23 82 16 00-0001)		
23 82 16 00-0017 EA 12" x 12" Chilled Water Cooling Coil, 4 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	1,041.92	115.92
23 82 16 00-0018 EA 12" x 24" Chilled Water Cooling Coil, 4 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	1,655.24	167.20
23 82 16 00-0019 EA 24" x 30" Chilled Water Cooling Coil, 4 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	2,311.68	278.66
23 82 16 00-0020 EA 24" x 48" Chilled Water Cooling Coil, 4 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	2,903.91	413.53
23 82 16 00-0021 EA 30" x 48" Chilled Water Cooling Coil, 4 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	3,388.45	507.17
23 82 16 00-0022 EA 30" x 60" Chilled Water Cooling Coil, 4 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	4,045.47	619.75
23 82 16 00-0023 EA 30" x 72" Chilled Water Cooling Coil, 4 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	4,563.07	743.47
23 82 16 00-0024 EA 30" x 84" Chilled Water Cooling Coil, 4 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	4,608.81	865.42
23 82 16 00-0025 EA 34" x 32" Chilled Water Cooling Coil, 4 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	2,717.20	373.53
23 82 16 00-0026 EA 34" x 48" Chilled Water Cooling Coil, 4 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	3,556.17	561.79
23 82 16 00-0027 EA 34" x 60" Chilled Water Cooling Coil, 4 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	3,992.09	696.66
23 82 16 00-0028 EA 34" x 72" Chilled Water Cooling Coil, 4 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	4,556.84	839.33
23 82 16 00-0029 EA 34" x 84" Chilled Water Cooling Coil, 4 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	5,062.71	981.23
23 82 16 00-0030 6 Row Chilled Water Cooling Coils (23 82 16 00-0001)		
23 82 16 00-0031 EA 12" x 12" Chilled Water Cooling Coil, 6 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	1,453.90	147.14
23 82 16 00-0032 EA 12" x 24" Chilled Water Cooling Coil, 6 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	1,759.63	218.47
23 82 16 00-0033 EA 24" x 30" Chilled Water Cooling Coil, 6 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	2,470.47	372.30
23 82 16 00-0034 EA 24" x 48" Chilled Water Cooling Coil, 6 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	3,408.82	557.32
23 82 16 00-0035 EA 30" x 48" Chilled Water Cooling Coil, 6 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	4,443.20	696.66
23 82 16 00-0036 EA 30" x 60" Chilled Water Cooling Coil, 6 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	5,115.60	857.17
23 82 16 00-0037 EA 30" x 72" Chilled Water Cooling Coil, 6 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	5,967.20	1,013.22
23 82 16 00-0038 EA 30" x 84" Chilled Water Cooling Coil, 6 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	5,903.70	1,180.75
23 82 16 00-0039 EA 34" x 32" Chilled Water Cooling Coil, 6 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	3,445.48	510.40
23 82 16 00-0040 EA 34" x 48" Chilled Water Cooling Coil, 6 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	4,524.99	765.55
23 82 16 00-0041 EA 34" x 60" Chilled Water Cooling Coil, 6 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	5,196.03	958.60
23 82 16 00-0042 EA 34" x 72" Chilled Water Cooling Coil, 6 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	5,845.32	1,151.55
23 82 16 00-0043 EA 34" x 84" Chilled Water Cooling Coil, 6 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	6,495.18	1,339.70
23 82 16 00-0044 8 Row Chilled Water Cooling Coils (23 82 16 00-0001)		
23 82 16 00-0045 EA 12" x 12" Chilled Water Cooling Coil, 8 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	1,811.32	177.23

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 80 Decentralized Unitary HVAC Equipment****23 82 Convection Heating And Cooling Units**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 82 16 00-0046 EA 12" x 24" Chilled Water Cooling Coil, 8 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	2,271.10	271.98
23 82 16 00-0047 EA 24" x 30" Chilled Water Cooling Coil, 8 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	3,465.85	484.88
23 82 16 00-0048 EA 24" x 48" Chilled Water Cooling Coil, 8 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	4,698.02	743.47
23 82 16 00-0049 EA 30" x 48" Chilled Water Cooling Coil, 8 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	5,676.86	929.62
23 82 16 00-0050 EA 30" x 60" Chilled Water Cooling Coil, 8 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	6,628.69	1,114.66
23 82 16 00-0051 EA 30" x 72" Chilled Water Cooling Coil, 8 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	7,578.14	1,238.38
23 82 16 00-0052 EA 30" x 84" Chilled Water Cooling Coil, 8 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	6,857.75	1,436.45
23 82 16 00-0053 EA 34" x 32" Chilled Water Cooling Coil, 8 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	3,971.87	621.98
23 82 16 00-0054 EA 34" x 48" Chilled Water Cooling Coil, 8 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	5,238.33	935.08
23 82 16 00-0055 EA 34" x 60" Chilled Water Cooling Coil, 8 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	6,018.99	1,164.82
23 82 16 00-0056 EA 34" x 72" Chilled Water Cooling Coil, 8 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	6,771.74	1,393.32
23 82 16 00-0057 EA 34" x 84" Chilled Water Cooling Coil, 8 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	7,571.12	1,639.21
23 82 16 00-0058 Direct Expansion Cooling Coils (23 82 16) Note: Flanged construction 16 gauge galvanized steel casing.		
23 82 16 00-0059 2 Row Direct Expansion Cooling Coils (23 82 16 00-0058)		
23 82 16 00-0060 EA 12" x 12" Direct Expansion Cooling Coil, 2 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	712.81	83.60
For 10 Fins Per Inch, Add	10.90	
For 12 Fins Per Inch, Add	27.26	
23 82 16 00-0061 EA 12" x 24" Direct Expansion Cooling Coil, 2 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	1,320.23	114.81
For 10 Fins Per Inch, Add	21.81	
For 12 Fins Per Inch, Add	54.52	
23 82 16 00-0062 EA 24" x 30" Direct Expansion Cooling Coil, 2 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	1,844.01	180.57
For 10 Fins Per Inch, Add	29.69	
For 12 Fins Per Inch, Add	74.22	
23 82 16 00-0063 EA 24" x 48" Direct Expansion Cooling Coil, 2 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	2,272.80	259.71
For 10 Fins Per Inch, Add	35.09	
For 12 Fins Per Inch, Add	87.72	
23 82 16 00-0064 EA 30" x 48" Direct Expansion Cooling Coil, 2 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	2,661.21	317.67
For 10 Fins Per Inch, Add	40.49	
For 12 Fins Per Inch, Add	101.21	
23 82 16 00-0065 EA 30" x 60" Direct Expansion Cooling Coil, 2 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	3,008.90	384.55
For 10 Fins Per Inch, Add	44.80	
For 12 Fins Per Inch, Add	112.01	
23 82 16 00-0066 EA 30" x 72" Direct Expansion Cooling Coil, 2 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	3,455.79	445.86
For 10 Fins Per Inch, Add	51.28	
For 12 Fins Per Inch, Add	128.20	
23 82 16 00-0067 EA 30" x 84" Direct Expansion Cooling Coil, 2 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	4,289.85	519.88
For 10 Fins Per Inch, Add	65.00	
For 12 Fins Per Inch, Add	162.50	
23 82 16 00-0068 EA 34" x 32" Direct Expansion Cooling Coil, 2 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	1,644.78	197.63
For 10 Fins Per Inch, Add	24.99	
For 12 Fins Per Inch, Add	62.48	
23 82 16 00-0069 EA 34" x 48" Direct Expansion Cooling Coil, 2 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	2,215.89	336.51
For 10 Fins Per Inch, Add	30.86	
For 12 Fins Per Inch, Add	77.14	
23 82 16 00-0070 EA 34" x 72" Direct Expansion Cooling Coil, 2 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	2,835.07	504.83
For 10 Fins Per Inch, Add	36.51	
For 12 Fins Per Inch, Add	91.27	
23 82 16 00-0071 EA 34" x 84" Direct Expansion Cooling Coil, 2 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	3,142.06	587.87
For 10 Fins Per Inch, Add	39.33	
For 12 Fins Per Inch, Add	98.31	
23 82 16 00-0072 4 Row Direct Expansion Cooling Coils (23 82 16 00-0058)		
23 82 16 00-0073 EA 12" x 12" Direct Expansion Cooling Coil, 4 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	1,157.98	115.92
For 10 Fins Per Inch, Add	18.52	
For 12 Fins Per Inch, Add	46.29	
23 82 16 00-0074 EA 12" x 24" Direct Expansion Cooling Coil, 4 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	1,655.24	167.20
For 10 Fins Per Inch, Add	26.45	
For 12 Fins Per Inch, Add	66.13	
23 82 16 00-0075 EA 24" x 30" Direct Expansion Cooling Coil, 4 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	2,311.68	278.66
For 10 Fins Per Inch, Add	35.09	
For 12 Fins Per Inch, Add	87.72	
23 82 16 00-0076 EA 24" x 48" Direct Expansion Cooling Coil, 4 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	2,903.91	413.53
For 10 Fins Per Inch, Add	41.56	
For 12 Fins Per Inch, Add	103.91	
23 82 16 00-0077 EA 30" x 48" Direct Expansion Cooling Coil, 4 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	3,388.45	507.17
For 10 Fins Per Inch, Add	47.50	
For 12 Fins Per Inch, Add	118.76	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 82 16 00-0078 EA 30" x 60" Direct Expansion Cooling Coil, 4 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	4,045.47	619.75
<i>For 10 Fins Per Inch, Add</i>	56.14	
<i>For 12 Fins Per Inch, Add</i>	140.35	
23 82 16 00-0079 EA 30" x 72" Direct Expansion Cooling Coil, 4 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	4,563.07	743.47
<i>For 10 Fins Per Inch, Add</i>	61.54	
<i>For 12 Fins Per Inch, Add</i>	153.84	
23 82 16 00-0080 EA 30" x 84" Direct Expansion Cooling Coil, 4 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	4,608.81	865.42
<i>For 10 Fins Per Inch, Add</i>	57.56	
<i>For 12 Fins Per Inch, Add</i>	143.90	
23 82 16 00-0081 EA 34" x 32" Direct Expansion Cooling Coil, 4 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	2,717.20	373.53
<i>For 10 Fins Per Inch, Add</i>	39.40	
<i>For 12 Fins Per Inch, Add</i>	98.51	
23 82 16 00-0082 EA 34" x 48" Direct Expansion Cooling Coil, 4 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	3,556.17	561.79
<i>For 10 Fins Per Inch, Add</i>	48.65	
<i>For 12 Fins Per Inch, Add</i>	121.63	
23 82 16 00-0083 EA 34" x 72" Direct Expansion Cooling Coil, 4 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	5,521.02	988.14
<i>For 10 Fins Per Inch, Add</i>	70.89	
<i>For 12 Fins Per Inch, Add</i>	177.23	
23 82 16 00-0084 EA 34" x 84" Direct Expansion Cooling Coil, 4 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	6,343.06	1,151.55
<i>For 10 Fins Per Inch, Add</i>	80.80	
<i>For 12 Fins Per Inch, Add</i>	202.00	
23 82 16 00-0085 6 Row Direct Expansion Cooling Coils <small>(23 82 16 00-0088)</small>		
23 82 16 00-0086 EA 12" x 12" Direct Expansion Cooling Coil, 6 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	1,480.89	146.02
<i>For 10 Fins Per Inch, Add</i>	23.75	
<i>For 12 Fins Per Inch, Add</i>	59.38	
23 82 16 00-0087 EA 12" x 24" Direct Expansion Cooling Coil, 6 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	1,759.63	218.47
<i>For 10 Fins Per Inch, Add</i>	26.45	
<i>For 12 Fins Per Inch, Add</i>	66.13	
23 82 16 00-0088 EA 24" x 30" Direct Expansion Cooling Coil, 6 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	2,605.42	372.30
<i>For 10 Fins Per Inch, Add</i>	37.25	
<i>For 12 Fins Per Inch, Add</i>	93.12	
23 82 16 00-0089 EA 24" x 48" Direct Expansion Cooling Coil, 6 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	3,408.82	557.32
<i>For 10 Fins Per Inch, Add</i>	45.88	
<i>For 12 Fins Per Inch, Add</i>	114.71	
23 82 16 00-0090 EA 30" x 48" Direct Expansion Cooling Coil, 6 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	4,443.20	696.66
<i>For 10 Fins Per Inch, Add</i>	61.00	
<i>For 12 Fins Per Inch, Add</i>	152.49	
23 82 16 00-0091 EA 30" x 60" Direct Expansion Cooling Coil, 6 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	5,115.60	857.17
<i>For 10 Fins Per Inch, Add</i>	68.02	
<i>For 12 Fins Per Inch, Add</i>	170.04	
23 82 16 00-0092 EA 30" x 72" Direct Expansion Cooling Coil, 6 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	5,967.20	1,013.22
<i>For 10 Fins Per Inch, Add</i>	78.81	
<i>For 12 Fins Per Inch, Add</i>	197.03	
23 82 16 00-0093 EA 30" x 84" Direct Expansion Cooling Coil, 6 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	5,903.70	1,180.75
<i>For 10 Fins Per Inch, Add</i>	70.84	
<i>For 12 Fins Per Inch, Add</i>	177.11	
23 82 16 00-0094 EA 34" x 32" Direct Expansion Cooling Coil, 6 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	3,445.48	510.40
<i>For 10 Fins Per Inch, Add</i>	48.49	
<i>For 12 Fins Per Inch, Add</i>	121.24	
23 82 16 00-0095 EA 34" x 48" Direct Expansion Cooling Coil, 6 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	4,524.99	765.55
<i>For 10 Fins Per Inch, Add</i>	59.88	
<i>For 12 Fins Per Inch, Add</i>	149.69	
23 82 16 00-0096 EA 34" x 72" Direct Expansion Cooling Coil, 6 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	5,826.44	1,142.08
<i>For 10 Fins Per Inch, Add</i>	70.85	
<i>For 12 Fins Per Inch, Add</i>	177.12	
23 82 16 00-0097 EA 34" x 84" Direct Expansion Cooling Coil, 6 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	6,495.18	1,339.70
<i>For 10 Fins Per Inch, Add</i>	76.31	
<i>For 12 Fins Per Inch, Add</i>	190.79	
23 82 16 00-0098 8 Row Direct Expansion Cooling Coils <small>(23 82 16 00-0098)</small>		
23 82 16 00-0099 EA 12" x 12" Direct Expansion Cooling Coil, 8 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	1,838.31	176.12
<i>For 10 Fins Per Inch, Add</i>	29.69	
<i>For 12 Fins Per Inch, Add</i>	74.22	
23 82 16 00-0100 EA 12" x 24" Direct Expansion Cooling Coil, 8 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	2,271.10	271.98
<i>For 10 Fins Per Inch, Add</i>	34.55	
<i>For 12 Fins Per Inch, Add</i>	86.37	
23 82 16 00-0101 EA 24" x 30" Direct Expansion Cooling Coil, 8 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	3,465.85	484.88
<i>For 10 Fins Per Inch, Add</i>	49.93	
<i>For 12 Fins Per Inch, Add</i>	124.83	
23 82 16 00-0102 EA 24" x 48" Direct Expansion Cooling Coil, 8 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	4,698.02	743.47
<i>For 10 Fins Per Inch, Add</i>	64.24	
<i>For 12 Fins Per Inch, Add</i>	160.59	
23 82 16 00-0103 EA 30" x 48" Direct Expansion Cooling Coil, 8 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	5,676.86	929.62
<i>For 10 Fins Per Inch, Add</i>	76.38	
<i>For 12 Fins Per Inch, Add</i>	190.96	
23 82 16 00-0104 EA 30" x 60" Direct Expansion Cooling Coil, 8 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	6,628.69	1,114.66
<i>For 10 Fins Per Inch, Add</i>	87.99	
<i>For 12 Fins Per Inch, Add</i>	219.97	
23 82 16 00-0105 EA 30" x 72" Direct Expansion Cooling Coil, 8 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	7,578.14	1,238.38
<i>For 10 Fins Per Inch, Add</i>	102.02	
<i>For 12 Fins Per Inch, Add</i>	255.06	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 80 Decentralized Unitary HVAC Equipment****23 82 Convection Heating And Cooling Units**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 82 16 00-0106	EA		30" x 84" Direct Expansion Cooling Coil, 8 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	6,857.75	1,436.45
			<i>For 10 Fins Per Inch, Add</i>	79.70	
			<i>For 12 Fins Per Inch, Add</i>	199.25	
23 82 16 00-0107	EA		34" x 32" Direct Expansion Cooling Coil, 8 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	3,971.87	621.98
			<i>For 10 Fins Per Inch, Add</i>	54.56	
			<i>For 12 Fins Per Inch, Add</i>	136.39	
23 82 16 00-0108	EA		34" x 48" Direct Expansion Cooling Coil, 8 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	5,238.33	935.08
			<i>For 10 Fins Per Inch, Add</i>	67.36	
			<i>For 12 Fins Per Inch, Add</i>	168.41	
23 82 16 00-0109	EA		34" x 72" Direct Expansion Cooling Coil, 8 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	6,799.88	1,407.36
			<i>For 10 Fins Per Inch, Add</i>	79.70	
			<i>For 12 Fins Per Inch, Add</i>	199.26	
23 82 16 00-0110	EA		34" x 84" Direct Expansion Cooling Coil, 8 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	7,571.12	1,639.21
			<i>For 10 Fins Per Inch, Add</i>	85.85	
			<i>For 12 Fins Per Inch, Add</i>	214.64	
23 82 16 00-0111			Hot Water Heating Coils <small>(23 82 16)</small>		
			Note: Flanged construction.		
23 82 16 00-0112			1 Row Hot Water Heating Coils <small>(23 82 16 00-0111)</small>		
23 82 16 00-0113	EA		12" x 12" Hot Water Heating Coil, 1 Row Flanged Construction.....	895.04	150.47
			<i>For 10 Fins Per Inch, Add</i>	11.88	
			<i>For 12 Fins Per Inch, Add</i>	29.69	
			<i>For 230 PSIG Heavy Duty, Add</i>	209.13	
23 82 16 00-0114	EA		12" x 24" Hot Water Heating Coil, 1 Row Flanged Construction.....	1,302.02	192.83
			<i>For 10 Fins Per Inch, Add</i>	18.35	
			<i>For 12 Fins Per Inch, Add</i>	45.88	
			<i>For 230 PSIG Heavy Duty, Add</i>	298.84	
23 82 16 00-0115	EA		24" x 30" Hot Water Heating Coil, 1 Row Flanged Construction.....	1,610.39	265.29
			<i>For 10 Fins Per Inch, Add</i>	21.59	
			<i>For 12 Fins Per Inch, Add</i>	53.98	
			<i>For 230 PSIG Heavy Duty, Add</i>	375.16	
23 82 16 00-0116	EA		24" x 48" Hot Water Heating Coil, 1 Row Flanged Construction.....	1,957.65	372.30
			<i>For 10 Fins Per Inch, Add</i>	24.29	
			<i>For 12 Fins Per Inch, Add</i>	60.73	
			<i>For 230 PSIG Heavy Duty, Add</i>	465.84	
23 82 16 00-0117	EA		30" x 48" Hot Water Heating Coil, 1 Row Flanged Construction.....	2,241.23	445.86
			<i>For 10 Fins Per Inch, Add</i>	26.99	
			<i>For 12 Fins Per Inch, Add</i>	67.48	
			<i>For 230 PSIG Heavy Duty, Add</i>	537.42	
23 82 16 00-0118	EA		30" x 60" Hot Water Heating Coil, 1 Row Flanged Construction.....	2,653.09	557.32
			<i>For 10 Fins Per Inch, Add</i>	30.77	
			<i>For 12 Fins Per Inch, Add</i>	76.92	
			<i>For 230 PSIG Heavy Duty, Add</i>	642.08	
23 82 16 00-0119	EA		30" x 72" Hot Water Heating Coil, 1 Row Flanged Construction.....	2,965.87	618.63
			<i>For 10 Fins Per Inch, Add</i>	34.55	
			<i>For 12 Fins Per Inch, Add</i>	86.37	
			<i>For 230 PSIG Heavy Duty, Add</i>	717.02	
23 82 16 00-0120	EA		30" x 84" Hot Water Heating Coil, 1 Row Flanged Construction.....	3,633.36	719.29
			<i>For 10 Fins Per Inch, Add</i>	43.79	
			<i>For 12 Fins Per Inch, Add</i>	109.48	
			<i>For 230 PSIG Heavy Duty, Add</i>	871.06	
23 82 16 00-0121	EA		34" x 32" Hot Water Heating Coil, 1 Row Flanged Construction.....	1,568.73	311.65
			<i>For 10 Fins Per Inch, Add</i>	18.91	
			<i>For 12 Fins Per Inch, Add</i>	47.27	
			<i>For 230 PSIG Heavy Duty, Add</i>	376.09	
23 82 16 00-0122	EA		34" x 48" Hot Water Heating Coil, 1 Row Flanged Construction.....	2,353.08	467.60
			<i>For 10 Fins Per Inch, Add</i>	28.36	
			<i>For 12 Fins Per Inch, Add</i>	70.90	
			<i>For 230 PSIG Heavy Duty, Add</i>	564.13	
23 82 16 00-0123	EA		34" x 72" Hot Water Heating Coil, 1 Row Flanged Construction.....	3,541.51	707.24
			<i>For 10 Fins Per Inch, Add</i>	42.54	
			<i>For 12 Fins Per Inch, Add</i>	106.35	
			<i>For 230 PSIG Heavy Duty, Add</i>	849.76	
23 82 16 00-0124	EA		34" x 84" Hot Water Heating Coil, 1 Row Flanged Construction.....	4,120.65	819.61
			<i>For 10 Fins Per Inch, Add</i>	49.63	
			<i>For 12 Fins Per Inch, Add</i>	124.07	
			<i>For 230 PSIG Heavy Duty, Add</i>	988.05	
23 82 16 00-0125	SF		>15 SF Hot Water Heating Coil, 1 Row, Flanged Construction.....	191.15	41.24
			<i>For 10 Fins Per Inch, Add</i>	2.17	
			<i>For 12 Fins Per Inch, Add</i>	5.43	
			<i>For 230 PSIG Heavy Duty, Add</i>	46.48	
23 82 16 00-0126			2 Row Hot Water Heating Coils <small>(23 82 16 00-0111)</small>		
23 82 16 00-0127	EA		12" x 12" Hot Water Heating Coil, 2 Row Flanged Construction.....	1,397.18	186.15
			<i>For 10 Fins Per Inch, Add</i>	20.51	
			<i>For 12 Fins Per Inch, Add</i>	51.28	
			<i>For 230 PSIG Heavy Duty, Add</i>	316.59	
23 82 16 00-0128	EA		12" x 24" Hot Water Heating Coil, 2 Row Flanged Construction.....	1,548.01	247.45
			<i>For 10 Fins Per Inch, Add</i>	21.05	
			<i>For 12 Fins Per Inch, Add</i>	52.63	
			<i>For 230 PSIG Heavy Duty, Add</i>	359.14	



Heating, Ventilating, And Air-Conditioning (HVAC)	23
Decentralized Unitary HVAC Equipment	23 80
Convection Heating And Cooling Units	23 82

23

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 82 16 00-0129 EA 24" x 30" Hot Water Heating Coil, 2 Row Flanged Construction.....	2,119.59	372.30
<i>For 10 Fins Per Inch, Add</i>	27.53	
<i>For 12 Fins Per Inch, Add</i>	68.82	
<i>For 230 PSIG Heavy Duty, Add</i>	498.23	
23 82 16 00-0130 EA 24" x 48" Hot Water Heating Coil, 2 Row Flanged Construction.....	2,627.00	530.57
<i>For 10 Fins Per Inch, Add</i>	31.31	
<i>For 12 Fins Per Inch, Add</i>	78.27	
<i>For 230 PSIG Heavy Duty, Add</i>	631.56	
23 82 16 00-0131 EA 30" x 48" Hot Water Heating Coil, 2 Row Flanged Construction.....	3,065.72	655.41
<i>For 10 Fins Per Inch, Add</i>	35.09	
<i>For 12 Fins Per Inch, Add</i>	87.72	
<i>For 230 PSIG Heavy Duty, Add</i>	744.28	
23 82 16 00-0132 EA 30" x 60" Hot Water Heating Coil, 2 Row Flanged Construction.....	3,346.73	795.87
<i>For 10 Fins Per Inch, Add</i>	35.09	
<i>For 12 Fins Per Inch, Add</i>	87.72	
<i>For 230 PSIG Heavy Duty, Add</i>	828.58	
23 82 16 00-0133 EA 30" x 72" Hot Water Heating Coil, 2 Row Flanged Construction.....	3,801.05	929.62
<i>For 10 Fins Per Inch, Add</i>	38.87	
<i>For 12 Fins Per Inch, Add</i>	97.16	
<i>For 230 PSIG Heavy Duty, Add</i>	945.99	
23 82 16 00-0134 EA 30" x 84" Hot Water Heating Coil, 2 Row Flanged Construction.....	4,623.39	1,080.10
<i>For 10 Fins Per Inch, Add</i>	49.26	
<i>For 12 Fins Per Inch, Add</i>	123.16	
<i>For 230 PSIG Heavy Duty, Add</i>	1,140.70	
23 82 16 00-0135 EA 34" x 32" Hot Water Heating Coil, 2 Row Flanged Construction.....	1,995.46	466.04
<i>For 10 Fins Per Inch, Add</i>	21.27	
<i>For 12 Fins Per Inch, Add</i>	53.17	
<i>For 230 PSIG Heavy Duty, Add</i>	492.29	
23 82 16 00-0136 EA 34" x 48" Hot Water Heating Coil, 2 Row Flanged Construction.....	2,995.54	700.12
<i>For 10 Fins Per Inch, Add</i>	31.90	
<i>For 12 Fins Per Inch, Add</i>	79.76	
<i>For 230 PSIG Heavy Duty, Add</i>	739.14	
23 82 16 00-0137 EA 34" x 72" Hot Water Heating Coil, 2 Row Flanged Construction.....	4,503.91	1,055.58
<i>For 10 Fins Per Inch, Add</i>	47.86	
<i>For 12 Fins Per Inch, Add</i>	119.64	
<i>For 230 PSIG Heavy Duty, Add</i>	1,111.89	
23 82 16 00-0138 EA 34" x 84" Hot Water Heating Coil, 2 Row Flanged Construction.....	5,257.70	1,233.03
<i>For 10 Fins Per Inch, Add</i>	55.83	
<i>For 12 Fins Per Inch, Add</i>	139.58	
<i>For 230 PSIG Heavy Duty, Add</i>	1,298.15	
23 82 16 00-0139 Steam Heating Coils <small>(23 82 16)</small>		
Note: Flanged construction.		
23 82 16 00-0140 EA 12" x 12" Steam Heating Coils, 1 Row Flanged Construction.....	964.07	104.78
<i>For 2 Row Coil, Add</i>	330.89	
<i>For 4 Row Coil, Add</i>	860.85	
23 82 16 00-0141 EA 12" x 24" Steam Heating Coils, 1 Row Flanged Construction.....	1,099.22	144.90
<i>For 2 Row Coil, Add</i>	387.67	
<i>For 4 Row Coil, Add</i>	1,003.87	
23 82 16 00-0142 EA 24" x 30" Steam Heating Coils, 1 Row Flanged Construction.....	1,517.07	259.71
<i>For 2 Row Coil, Add</i>	558.81	
<i>For 4 Row Coil, Add</i>	1,436.59	
23 82 16 00-0143 EA 24" x 48" Steam Heating Coils, 1 Row Flanged Construction.....	1,957.65	372.30
<i>For 2 Row Coil, Add</i>	735.92	
<i>For 4 Row Coil, Add</i>	1,885.65	
23 82 16 00-0144 EA 30" x 48" Steam Heating Coils, 1 Row Flanged Construction.....	2,214.24	445.86
<i>For 2 Row Coil, Add</i>	842.62	
<i>For 4 Row Coil, Add</i>	2,154.84	
23 82 16 00-0145 EA 30" x 60" Steam Heating Coils, 1 Row Flanged Construction.....	2,545.13	557.32
<i>For 2 Row Coil, Add</i>	986.47	
<i>For 4 Row Coil, Add</i>	2,515.41	
23 82 16 00-0146 EA 30" x 72" Steam Heating Coils, 1 Row Flanged Construction.....	2,803.92	618.63
<i>For 2 Row Coil, Add</i>	1,088.88	
<i>For 4 Row Coil, Add</i>	2,775.69	
23 82 16 00-0147 EA 30" x 84" Steam Heating Coils, 1 Row Flanged Construction.....	3,428.09	721.96
<i>For 2 Row Coil, Add</i>	1,317.20	
<i>For 4 Row Coil, Add</i>	3,363.33	
23 82 16 00-0148 EA 34" x 32" Steam Heating Coils, 1 Row Flanged Construction.....	1,480.10	311.65
<i>For 2 Row Coil, Add</i>	568.71	
<i>For 4 Row Coil, Add</i>	1,452.15	
23 82 16 00-0149 EA 34" x 48" Steam Heating Coils, 1 Row Flanged Construction.....	2,220.15	467.60
<i>For 2 Row Coil, Add</i>	853.07	
<i>For 4 Row Coil, Add</i>	2,178.22	
23 82 16 00-0150 EA 34" x 72" Steam Heating Coils, 1 Row Flanged Construction.....	3,327.88	700.12
<i>For 2 Row Coil, Add</i>	1,278.43	
<i>For 4 Row Coil, Add</i>	3,264.45	
23 82 16 00-0151 EA 34" x 84" Steam Heating Coils, 1 Row Flanged Construction.....	3,888.01	819.61
<i>For 2 Row Coil, Add</i>	1,494.24	
<i>For 4 Row Coil, Add</i>	3,815.26	
23 82 16 00-0152 Hot Water Preheat Coils For Multi-Zone Air Handling Units <small>(23 82 16)</small>		
Note: 2 Row coils. Coils are sized by air handling unit capacity.		
23 82 16 00-0153 EA 3,000 CFM, Hot Water Preheat Coils, 2 Row Coils, Multi Zone Air Handling Unit.....	1,126.98	141.56

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 80 Decentralized Unitary HVAC Equipment****23 82 Convection Heating And Cooling Units**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 82 16 00-0154 EA 4,000 CFM, Hot Water Preheat Coils, 2 Row Coils, Multi Zone Air Handling Unit	1,407.68	140.44
23 82 16 00-0155 EA 5,000 CFM, Hot Water Preheat Coils, 2 Row Coils, Multi Zone Air Handling Unit	1,707.44	150.47
23 82 16 00-0156 EA 6,500 CFM, Hot Water Preheat Coils, 2 Row Coils, Multi Zone Air Handling Unit	1,974.23	163.85
23 82 16 00-0157 EA 7,500 CFM, Hot Water Preheat Coils, 2 Row Coils, Multi Zone Air Handling Unit	1,989.36	171.65
23 82 16 00-0158 EA 9,200 CFM, Hot Water Preheat Coils, 2 Row Coils, Multi Zone Air Handling Unit	2,383.82	180.57
23 82 16 00-0159 EA 11,500 CFM, Hot Water Preheat Coils, 2 Row Coils, Multi Zone Air Handling Unit	2,483.57	202.87
23 82 16 00-0160 EA 13,200 CFM, Hot Water Preheat Coils, 2 Row Coils, Multi Zone Air Handling Unit	2,749.12	227.38
23 82 16 00-0161 EA 16,500 CFM, Hot Water Preheat Coils, 2 Row Coils, Multi Zone Air Handling Unit	3,107.79	271.98
23 82 16 00-0162 EA 19,500 CFM, Hot Water Preheat Coils, 2 Row Coils, Multi Zone Air Handling Unit	3,378.59	285.36
23 82 16 00-0163 EA 22,000 CFM, Hot Water Preheat Coils, 2 Row Coils, Multi Zone Air Handling Unit	4,273.17	302.07
23 82 16 00-0164 EA 27,000 CFM, Hot Water Preheat Coils, 2 Row Coils, Multi Zone Air Handling Unit	5,467.96	413.53
23 82 16 00-0165 EA 34,000 CFM, Hot Water Preheat Coils, 2 Row Coils, Multi Zone Air Handling Unit	6,859.37	507.17
23 82 16 00-0166 EA 40,000 CFM, Hot Water Preheat Coils, 2 Row Coils, Multi Zone Air Handling Unit	7,938.25	530.57
23 82 16 00-0167 EA 47,000 CFM, Hot Water Preheat Coils, 2 Row Coils, Multi Zone Air Handling Unit	9,322.03	618.63
23 82 16 00-0168 Standard Electric Slip-In Blast Coil Heater (23 82 16)		
23 82 16 00-0169 Electric Slip-In Blast Coil Heater With Open Coil Element (23 82 16 00-0168)		
23 82 16 00-0170 EA 1/2 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater	348.76	81.61
23 82 16 00-0171 EA 1 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater	362.35	87.96
23 82 16 00-0172 EA 2 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater	378.40	96.45
23 82 16 00-0173 EA 3 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater	383.80	99.62
23 82 16 00-0174 EA 4 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater	397.67	105.98
23 82 16 00-0175 EA 5 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater	413.63	114.46
23 82 16 00-0176 EA 6 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater	473.29	128.23
23 82 16 00-0177 EA 7 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater	486.23	134.60
23 82 16 00-0178 EA 8 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater	496.81	138.84
23 82 16 00-0179 EA 9 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater	512.31	147.31
23 82 16 00-0180 EA 10 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater	556.16	155.79
23 82 16 00-0181 EA 12-1/2 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater	586.33	170.63
23 82 16 00-0182 EA 15 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater	616.31	185.46
23 82 16 00-0183 EA 20 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater	646.27	200.30
23 82 16 00-0184 EA 30 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater	833.23	279.79
23 82 16 00-0185 EA 40 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater	1,358.66	297.80
23 82 16 00-0186 EA 50 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater	1,502.34	341.25
23 82 16 00-0187 EA 60 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater	1,759.11	378.35
23 82 16 00-0188 EA 70 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater	1,855.13	411.20
23 82 16 00-0189 EA 80 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater	2,032.95	451.47
23 82 16 00-0190 EA 90 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater	2,451.52	482.21
23 82 16 00-0191 EA 100 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater	2,685.68	518.24
23 82 16 00-0192 EA 125 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater	3,216.53	559.58
23 82 16 00-0193 EA 150 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater	3,608.61	608.32
23 82 16 00-0194 Electric Slip-In Blast Coil Heater With Finned Tubular Element (23 82 16 00-0168)		
23 82 16 00-0195 EA 1 KW Electric Heater, Finned Tube Element, Standard Slip-In Blast Coil Duct Heater	836.08	116.58
23 82 16 00-0196 EA 2 KW Electric Heater, Finned Tube Element, Standard Slip-In Blast Coil Duct Heater	874.87	127.18
23 82 16 00-0197 EA 3 KW Electric Heater, Finned Tube Element, Standard Slip-In Blast Coil Duct Heater	893.82	127.18
23 82 16 00-0198 EA 4 KW Electric Heater, Finned Tube Element, Standard Slip-In Blast Coil Duct Heater	935.83	139.89
23 82 16 00-0199 EA 5 KW Electric Heater, Finned Tube Element, Standard Slip-In Blast Coil Duct Heater	1,252.29	139.89
23 82 16 00-0200 EA 6 KW Electric Heater, Finned Tube Element, Standard Slip-In Blast Coil Duct Heater	1,282.61	139.89
23 82 16 00-0201 EA 8 KW Electric Heater, Finned Tube Element, Standard Slip-In Blast Coil Duct Heater	1,306.16	155.79
23 82 16 00-0202 EA 9 KW Electric Heater, Finned Tube Element, Standard Slip-In Blast Coil Duct Heater	1,335.60	174.87
23 82 16 00-0203 EA 10 KW Electric Heater, Finned Tube Element, Standard Slip-In Blast Coil Duct Heater	1,352.65	174.87
23 82 16 00-0204 EA 15 KW Electric Heater, Finned Tube Element, Standard Slip-In Blast Coil Duct Heater	1,570.52	200.30
23 82 16 00-0205 EA 20 KW Electric Heater, Finned Tube Element, Standard Slip-In Blast Coil Duct Heater	1,866.13	200.30
23 82 16 00-0206 EA 30 KW Electric Heater, Finned Tube Element, Standard Slip-In Blast Coil Duct Heater	2,035.98	233.15
23 82 16 00-0207 EA 40 KW Electric Heater, Finned Tube Element, Standard Slip-In Blast Coil Duct Heater	2,735.21	233.15
23 82 19 Fan Coil Units (23 82)		
23 82 19 00-0001 Ceiling Suspended Horizontal Fan Coil Units (23 82 19)		
Note: Includes cabinet, chilled water coil, baked enamel finish, multispeed fan and fan switch with integral and/or remote thermostat to control valves and on/off and fan speeds.		
23 82 19 00-0002 Horizontal Fan Coil Units With Electric Heating Coil (23 82 19 00-0001)		
23 82 19 00-0003 EA 200 CFM Horizontal Fan Coil, Electric Heating, Ceiling Hung, Chilled Water Coil, With Cabinet	1,262.73	180.57
23 82 19 00-0004 EA 300 CFM Horizontal Fan Coil, Electric Heating, Ceiling Hung, Chilled Water Coil, With Cabinet	1,400.36	210.67
23 82 19 00-0005 EA 400 CFM Horizontal Fan Coil, Electric Heating, Ceiling Hung, Chilled Water Coil, With Cabinet	1,554.19	237.42
23 82 19 00-0006 EA 600 CFM Horizontal Fan Coil, Electric Heating, Ceiling Hung, Chilled Water Coil, With Cabinet	1,800.31	271.98
23 82 19 00-0007 EA 800 CFM Horizontal Fan Coil, Electric Heating, Ceiling Hung, Chilled Water Coil, With Cabinet	2,004.91	285.36
<i>For 2-Way Valve Instead Of 3-Way, Deduct -107.87</i>		
23 82 19 00-0008 EA 1,000 CFM Horizontal Fan Coil, Electric Heating, Ceiling Hung, Chilled Water Coil, With Cabinet	2,664.09	302.07
<i>For 2-Way Valve Instead Of 3-Way, Deduct -110.19</i>		
23 82 19 00-0009 EA 1,200 CFM Horizontal Fan Coil, Electric Heating, Ceiling Hung, Chilled Water Coil, With Cabinet	3,208.11	327.71
<i>For 2-Way Valve Instead Of 3-Way, Deduct -114.18</i>		
23 82 19 00-0010 Horizontal Fan Coil Units With Hot Water Heating Coil (23 82 19 00-0001)		



Heating, Ventilating, And Air-Conditioning (HVAC)	23
Decentralized Unitary HVAC Equipment	23 80
Convection Heating And Cooling Units	23 82

23

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 82 19 00-0011 EA 200 CFM Horizontal Fan Coil, Hot Water Heating, Ceiling Hung, Chilled Water Coil, With Cabinet.....	757.15	180.57
<i>For 2-Way Valve Instead Of 3-Way, Deduct</i>	-52.98	
23 82 19 00-0012 EA 300 CFM Horizontal Fan Coil, Hot Water Heating, Ceiling Hung, Chilled Water Coil, With Cabinet.....	915.40	210.67
<i>For 2-Way Valve Instead Of 3-Way, Deduct</i>	-56.03	
23 82 19 00-0013 EA 400 CFM Horizontal Fan Coil, Hot Water Heating, Ceiling Hung, Chilled Water Coil, With Cabinet.....	1,077.09	237.42
<i>For 2-Way Valve Instead Of 3-Way, Deduct</i>	-58.72	
23 82 19 00-0014 EA 600 CFM Horizontal Fan Coil, Hot Water Heating, Ceiling Hung, Chilled Water Coil, With Cabinet.....	1,918.11	271.98
<i>For 2-Way Valve Instead Of 3-Way, Deduct</i>	-62.19	
23 82 19 00-0015 EA 800 CFM Horizontal Fan Coil, Hot Water Heating, Ceiling Hung, Chilled Water Coil, With Cabinet.....	2,142.34	286.46
<i>For 2-Way Valve Instead Of 3-Way, Deduct</i>	-107.87	
23 82 19 00-0016 EA 1,000 CFM Horizontal Fan Coil, Hot Water Heating, Ceiling Hung, Chilled Water Coil, With Cabinet.....	2,860.44	302.07
<i>For 2-Way Valve Instead Of 3-Way, Deduct</i>	-110.19	
23 82 19 00-0017 EA 1,200 CFM Horizontal Fan Coil, Hot Water Heating, Ceiling Hung, Chilled Water Coil, With Cabinet.....	3,581.15	327.71
<i>For 2-Way Valve Instead Of 3-Way, Deduct</i>	-114.18	
23 82 19 00-0018 Floor Mounted Vertical Fan Coil Units <small>(23 82 19)</small>		
<i>Note: Includes cabinet, chilled water coil, baked enamel finish, multispeed fan and fan switch with integral and/or remote thermostat to control valves and on/off and fan speeds.</i>		
23 82 19 00-0019 Vertical Fan Coil Units With Electric Heating Coil <small>(23 82 19 00-0018)</small>		
23 82 19 00-0020 EA 200 CFM Vertical Fan Coil, Electric Heating, Floor Mounted, Chilled Water Coil, With Cabinet.....	1,223.46	179.45
<i>For Fan Coil Units Without Cabinet, Deduct</i>	-147.56	
<i>For Thru-Wall Sleeve, Add</i>	126.91	
<i>For 2-Way Valve Instead Of 3-Way, Deduct</i>	-52.98	
23 82 19 00-0021 EA 300 CFM Vertical Fan Coil, Electric Heating, Floor Mounted, Chilled Water Coil, With Cabinet.....	1,402.32	210.67
<i>For Fan Coil Units Without Cabinet, Deduct</i>	-168.29	
<i>For Thru-Wall Sleeve, Add</i>	139.12	
<i>For 2-Way Valve Instead Of 3-Way, Deduct</i>	-56.03	
23 82 19 00-0022 EA 400 CFM Vertical Fan Coil, Electric Heating, Floor Mounted, Chilled Water Coil, With Cabinet.....	1,652.36	237.42
<i>For Fan Coil Units Without Cabinet, Deduct</i>	-200.42	
<i>For Thru-Wall Sleeve, Add</i>	149.86	
<i>For 2-Way Valve Instead Of 3-Way, Deduct</i>	-58.72	
23 82 19 00-0023 EA 600 CFM Vertical Fan Coil, Electric Heating, Floor Mounted, Chilled Water Coil, With Cabinet.....	1,898.48	271.98
<i>For Fan Coil Units Without Cabinet, Deduct</i>	-230.40	
<i>For Thru-Wall Sleeve, Add</i>	163.75	
<i>For 2-Way Valve Instead Of 3-Way, Deduct</i>	-62.19	
23 82 19 00-0024 EA 800 CFM Vertical Fan Coil, Electric Heating, Floor Mounted, Chilled Water Coil, With Cabinet.....	2,122.71	286.46
<i>For Fan Coil Units Without Cabinet, Deduct</i>	-261.24	
<i>For Thru-Wall Sleeve, Add</i>	169.32	
<i>For 2-Way Valve Instead Of 3-Way, Deduct</i>	-107.87	
23 82 19 00-0025 EA 1,000 CFM Vertical Fan Coil, Electric Heating, Floor Mounted, Chilled Water Coil, With Cabinet.....	2,664.09	302.07
<i>For Fan Coil Units Without Cabinet, Deduct</i>	-339.36	
<i>For Thru-Wall Sleeve, Add</i>	175.50	
<i>For 2-Way Valve Instead Of 3-Way, Deduct</i>	-110.19	
23 82 19 00-0026 EA 1,200 CFM Vertical Fan Coil, Electric Heating, Floor Mounted, Chilled Water Coil, With Cabinet.....	3,109.94	327.71
<i>For Fan Coil Units Without Cabinet, Deduct</i>	-400.92	
<i>For Thru-Wall Sleeve, Add</i>	186.14	
<i>For 2-Way Valve Instead Of 3-Way, Deduct</i>	-114.18	
23 82 19 00-0027 Vertical Fan Coil Units With Hot Water Heating Coil <small>(23 82 19 00-0018)</small>		
23 82 19 00-0028 EA 200 CFM Vertical Fan Coil, Hot Water Heating, Floor Mounted, Chilled Water Coil, With Cabinet.....	1,341.26	179.45
<i>For Fan Coil Units Without Cabinet, Deduct</i>	-165.23	
<i>For Thru-Wall Sleeve, Add</i>	126.91	
<i>For 2-Way Valve Instead Of 3-Way, Deduct</i>	-52.98	
23 82 19 00-0029 EA 300 CFM Vertical Fan Coil, Hot Water Heating, Floor Mounted, Chilled Water Coil, With Cabinet.....	1,520.13	210.67
<i>For Fan Coil Units Without Cabinet, Deduct</i>	-185.96	
<i>For Thru-Wall Sleeve, Add</i>	139.12	
<i>For 2-Way Valve Instead Of 3-Way, Deduct</i>	-56.03	
23 82 19 00-0030 EA 400 CFM Vertical Fan Coil, Hot Water Heating, Floor Mounted, Chilled Water Coil, With Cabinet.....	1,848.70	237.42
<i>For Fan Coil Units Without Cabinet, Deduct</i>	-229.87	
<i>For Thru-Wall Sleeve, Add</i>	149.86	
<i>For 2-Way Valve Instead Of 3-Way, Deduct</i>	-58.72	
23 82 19 00-0031 EA 600 CFM Vertical Fan Coil, Hot Water Heating, Floor Mounted, Chilled Water Coil, With Cabinet.....	2,114.45	271.98
<i>For Fan Coil Units Without Cabinet, Deduct</i>	-262.79	
<i>For Thru-Wall Sleeve, Add</i>	163.75	
<i>For 2-Way Valve Instead Of 3-Way, Deduct</i>	-62.19	
23 82 19 00-0032 EA 800 CFM Vertical Fan Coil, Hot Water Heating, Floor Mounted, Chilled Water Coil, With Cabinet.....	2,338.68	286.46
<i>For Fan Coil Units Without Cabinet, Deduct</i>	-293.64	
<i>For Thru-Wall Sleeve, Add</i>	169.32	
<i>For 2-Way Valve Instead Of 3-Way, Deduct</i>	-107.87	
23 82 19 00-0033 EA 1,000 CFM Vertical Fan Coil, Hot Water Heating, Floor Mounted, Chilled Water Coil, With Cabinet.....	2,762.26	302.07
<i>For Fan Coil Units Without Cabinet, Deduct</i>	-354.09	
<i>For Thru-Wall Sleeve, Add</i>	175.50	
<i>For 2-Way Valve Instead Of 3-Way, Deduct</i>	-110.19	
23 82 19 00-0034 EA 1,200 CFM Vertical Fan Coil, Hot Water Heating, Floor Mounted, Chilled Water Coil, With Cabinet.....	3,208.11	327.71
<i>For Fan Coil Units Without Cabinet, Deduct</i>	-415.65	
<i>For Thru-Wall Sleeve, Add</i>	186.14	
<i>For 2-Way Valve Instead Of 3-Way, Deduct</i>	-114.18	
23 82 19 00-0035 Removal And Reinstallation Of Fan Coil Units <small>(23 82 19)</small>		
<i>Note: Includes storage and cleaning. Excludes supports.</i>		
23 82 19 00-0036 EA Removal And Reinstallation Of Fan Coil Unit Horizontal Or Vertical.....	473.92	

23 Heating, Ventilating, And Air-Conditioning (HVAC)

23 80 Decentralized Unitary HVAC Equipment

23 82 Convection Heating And Cooling Units



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

23 82 29 Radiators (23 82)

23 82 29 00-0001 Demolish Cast Iron Radiators (23 82 29)

23 82 29 00-0002	LF	Demolish Cast Iron Radiator	33.43	
23 82 29 00-0003	EA	Cap Radiator.....	41.50	

23 82 29 00-0004 Cast Iron Radiator (23 82 29)

23 82 29 00-0005	EA	19" High Cast Iron Radiator Section, Free Standing.....	40.10	
		<i>For Wall Support Bracket, Add</i>	28.29	
23 82 29 00-0006	EA	25" High Cast Iron Radiator Section, Free Standing.....	54.97	
		<i>For Wall Support Bracket, Add</i>	29.73	
23 82 29 00-0007	EA	30" High Cast Iron Radiator Section, Free Standing.....	63.32	
23 82 29 00-0008	EA	36" High Cast Iron Radiator Section, Free Standing.....	78.55	
23 82 29 00-0009	EA	20" High Cast Iron Radiator Section, Recessed With Grille.....	56.74	

23 82 29 00-0010 Radiator Covers (23 82 29)

Note: Includes field cutouts, vent grilles, and insulation backing. To calculate quantity, measure the surface area of front, top and sides.

23 82 29 00-0011	SF	14 Gauge Stainless Steel Radiator Cover	71.73	5.76
23 82 29 00-0012	SF	Galvanized Steel Radiator Cover.....	46.64	5.76

Note: Primed and painted.

23 82 29 00-0013 Radiator Shields (23 82 29)

23 82 29 00-0014	SF	Stainless Steel Radiator Shield.....	49.45	5.76
23 82 29 00-0015	SF	Galvanized Steel Radiator Shield	24.90	5.76

Note: Primed and painted.

23 82 29 00-0016 Remove And Reinstall Radiator (23 82 29)

Note: Includes storage and cleaning.

23 82 29 00-0017	LF	Removal And Reinstallation Of Cast Iron Radiator	83.60	
23 82 29 00-0018	LF	Removal And Reinstallation Of Electric Radiator	55.73	

23 82 33 Convectors (23 82)

23 82 33 00-0001 Multi-Fin Convectors For Two-Pipe System (23 82 33)

Note: Complete with 6-1/4" deep cabinet enclosure.

23 82 33 00-0002 20" High Multi-Fin Convectors For Two-Pipe System (23 82 33 00-0001)

23 82 33 00-0003	EA	20" High x 2' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	407.99	122.61
		<i>For Knob Operated Damper, Add</i>	15.00	
		<i>For Metal Trim Strips, Add</i>	61.73	
		<i>For Snap-On Inlet Grille, Add</i>	47.16	
		<i>For Access Doors Hinged, Add</i>	15.00	
		<i>For Air Chamber, Auto-vent, Add</i>	18.00	
		<i>For 3 Tubes System, Add</i>	77.77	
23 82 33 00-0004	EA	20" High x 3' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	474.26	133.76
		<i>For Knob Operated Damper, Add</i>	15.00	
		<i>For Metal Trim Strips, Add</i>	66.80	
		<i>For Snap-On Inlet Grille, Add</i>	50.53	
		<i>For Access Doors Hinged, Add</i>	15.00	
		<i>For Air Chamber, Auto-vent, Add</i>	18.00	
		<i>For 3 Tubes System, Add</i>	95.06	
23 82 33 00-0005	EA	20" High x 4' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	548.23	158.28
		<i>For Knob Operated Damper, Add</i>	15.00	
		<i>For Metal Trim Strips, Add</i>	77.88	
		<i>For Snap-On Inlet Grille, Add</i>	57.92	
		<i>For Access Doors Hinged, Add</i>	15.00	
		<i>For Air Chamber, Auto-vent, Add</i>	18.00	
		<i>For 3 Tubes System, Add</i>	108.02	
23 82 33 00-0006	EA	20" High x 6' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	653.16	183.92
		<i>For Knob Operated Damper, Add</i>	15.00	
		<i>For Metal Trim Strips, Add</i>	89.59	
		<i>For Snap-On Inlet Grille, Add</i>	65.73	
		<i>For Access Doors Hinged, Add</i>	15.00	
		<i>For Air Chamber, Auto-vent, Add</i>	18.00	
		<i>For 3 Tubes System, Add</i>	131.09	
23 82 33 00-0007	EA	20" High x 8' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	779.72	220.70
		<i>For Knob Operated Damper, Add</i>	15.00	
		<i>For Metal Trim Strips, Add</i>	106.30	
		<i>For Snap-On Inlet Grille, Add</i>	76.87	
		<i>For Access Doors Hinged, Add</i>	15.00	
		<i>For Air Chamber, Auto-vent, Add</i>	18.00	
		<i>For 3 Tubes System, Add</i>	155.89	



Heating, Ventilating, And Air-Conditioning (HVAC)	23
Decentralized Unitary HVAC Equipment	23 80
Convection Heating And Cooling Units	23 82

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 82 33 00-0008 EA 20" High x 10' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	873.85	242.77
<i>For Knob Operated Damper, Add</i>	15.00	
<i>For Metal Trim Strips, Add</i>	116.32	
<i>For Snap-On Inlet Grille, Add</i>	83.55	
<i>For Access Doors Hinged, Add</i>	15.00	
<i>For Air Chamber, Auto-vent, Add</i>	18.00	
<i>For 3 Tubes System, Add</i>	177.14	
23 82 33 00-0009 EA 20" High x 12' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	1,022.70	294.27
<i>For Knob Operated Damper, Add</i>	15.00	
<i>For Metal Trim Strips, Add</i>	139.72	
<i>For Snap-On Inlet Grille, Add</i>	99.14	
<i>For Access Doors Hinged, Add</i>	15.00	
<i>For Air Chamber, Auto-vent, Add</i>	18.00	
<i>For 3 Tubes System, Add</i>	201.94	
23 82 33 00-0010 EA 20" High x 14' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	1,111.32	312.66
<i>For Knob Operated Damper, Add</i>	15.00	
<i>For Metal Trim Strips, Add</i>	148.08	
<i>For Snap-On Inlet Grille, Add</i>	104.72	
<i>For Access Doors Hinged, Add</i>	15.00	
<i>For Air Chamber, Auto-vent, Add</i>	18.00	
<i>For 3 Tubes System, Add</i>	223.20	
23 82 33 00-0011 EA 20" High x 16' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	1,217.61	349.44
<i>For Knob Operated Damper, Add</i>	15.00	
<i>For Metal Trim Strips, Add</i>	164.78	
<i>For Snap-On Inlet Grille, Add</i>	115.86	
<i>For Access Doors Hinged, Add</i>	15.00	
<i>For Air Chamber, Auto-vent, Add</i>	18.00	
<i>For 3 Tubes System, Add</i>	240.92	
23 82 33 00-0012 EA 20" High x 18' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	1,344.24	386.23
<i>For Knob Operated Damper, Add</i>	15.00	
<i>For Metal Trim Strips, Add</i>	181.52	
<i>For Snap-On Inlet Grille, Add</i>	127.01	
<i>For Access Doors Hinged, Add</i>	15.00	
<i>For Air Chamber, Auto-vent, Add</i>	18.00	
<i>For 3 Tubes System, Add</i>	265.71	
23 82 33 00-0013 EA 20" High x 20' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	1,450.56	423.01
<i>For Knob Operated Damper, Add</i>	15.00	
<i>For Metal Trim Strips, Add</i>	198.23	
<i>For Snap-On Inlet Grille, Add</i>	138.15	
<i>For Access Doors Hinged, Add</i>	15.00	
<i>For Air Chamber, Auto-vent, Add</i>	18.00	
<i>For 3 Tubes System, Add</i>	283.43	
23 82 33 00-0014 26" High Multi-Fin Convectors For Two-Pipe System <small>(23 82 33 00-0001)</small>		
23 82 33 00-0015 EA 26" High x 2' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	488.80	161.29
<i>For Knob Operated Damper, Add</i>	15.00	
<i>For Metal Trim Strips, Add</i>	78.57	
<i>For Snap-On Inlet Grille, Add</i>	58.38	
<i>For Access Doors Hinged, Add</i>	15.00	
<i>For Air Chamber, Auto-vent, Add</i>	18.00	
<i>For 3 Tubes System, Add</i>	86.42	
23 82 33 00-0016 EA 26" High x 3' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	572.70	187.38
<i>For Knob Operated Damper, Add</i>	15.00	
<i>For Metal Trim Strips, Add</i>	90.27	
<i>For Snap-On Inlet Grille, Add</i>	66.18	
<i>For Access Doors Hinged, Add</i>	15.00	
<i>For Air Chamber, Auto-vent, Add</i>	18.00	
<i>For 3 Tubes System, Add</i>	102.13	
23 82 33 00-0017 EA 26" High x 4' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	688.91	220.04
<i>For Knob Operated Damper, Add</i>	15.00	
<i>For Metal Trim Strips, Add</i>	104.93	
<i>For Snap-On Inlet Grille, Add</i>	75.96	
<i>For Access Doors Hinged, Add</i>	15.00	
<i>For Air Chamber, Auto-vent, Add</i>	18.00	
<i>For 3 Tubes System, Add</i>	125.70	
23 82 33 00-0018 EA 26" High x 6' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	800.06	245.34
<i>For Knob Operated Damper, Add</i>	15.00	
<i>For Metal Trim Strips, Add</i>	116.29	
<i>For Snap-On Inlet Grille, Add</i>	83.53	
<i>For Access Doors Hinged, Add</i>	15.00	
<i>For Air Chamber, Auto-vent, Add</i>	18.00	
<i>For 3 Tubes System, Add</i>	151.35	
23 82 33 00-0019 EA 26" High x 8' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	927.67	275.88
<i>For Knob Operated Damper, Add</i>	15.00	
<i>For Metal Trim Strips, Add</i>	130.03	
<i>For Snap-On Inlet Grille, Add</i>	92.69	
<i>For Access Doors Hinged, Add</i>	15.00	
<i>For Air Chamber, Auto-vent, Add</i>	18.00	
<i>For 3 Tubes System, Add</i>	179.98	
23 82 33 00-0020 EA 26" High x 10' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	1,032.36	298.84
<i>For Knob Operated Damper, Add</i>	15.00	
<i>For Metal Trim Strips, Add</i>	140.40	
<i>For Snap-On Inlet Grille, Add</i>	99.60	
<i>For Access Doors Hinged, Add</i>	15.00	
<i>For Air Chamber, Auto-vent, Add</i>	18.00	
<i>For 3 Tubes System, Add</i>	204.52	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 80 Decentralized Unitary HVAC Equipment****23 82 Convection Heating And Cooling Units**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 82 33 00-0021 EA 26" High x 12' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	1,177.47	340.52
For Knob Operated Damper, Add	15.00	
For Metal Trim Strips, Add	159.39	
For Snap-On Inlet Grille, Add	112.26	
For Access Doors Hinged, Add	15.00	
For Air Chamber, Auto-vent, Add	18.00	
For 3 Tubes System, Add	233.16	
23 82 33 00-0022 EA 26" High x 14' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	1,278.42	361.37
For Knob Operated Damper, Add	15.00	
For Metal Trim Strips, Add	168.64	
For Snap-On Inlet Grille, Add	118.43	
For Access Doors Hinged, Add	15.00	
For Air Chamber, Auto-vent, Add	18.00	
For 3 Tubes System, Add	267.70	
23 82 33 00-0023 EA 26" High x 16' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	1,385.10	394.03
For Knob Operated Damper, Add	15.00	
For Metal Trim Strips, Add	183.12	
For Snap-On Inlet Grille, Add	128.08	
For Access Doors Hinged, Add	15.00	
For Air Chamber, Auto-vent, Add	18.00	
For 3 Tubes System, Add	278.15	
23 82 33 00-0024 EA 26" High x 18' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	1,515.66	426.02
For Knob Operated Damper, Add	15.00	
For Metal Trim Strips, Add	197.74	
For Snap-On Inlet Grille, Add	137.83	
For Access Doors Hinged, Add	15.00	
For Air Chamber, Auto-vent, Add	18.00	
For 3 Tubes System, Add	306.78	
23 82 33 00-0025 EA 26" High x 20' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	1,617.96	455.33
For Knob Operated Damper, Add	15.00	
For Metal Trim Strips, Add	210.90	
For Snap-On Inlet Grille, Add	146.60	
For Access Doors Hinged, Add	15.00	
For Air Chamber, Auto-vent, Add	18.00	
For 3 Tubes System, Add	327.24	
23 82 33 00-0026 32" High Multi-Fin Convectors For Two-Pipe System (23 82 33 00-0001)		
23 82 33 00-0027 EA 32" High x 2' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	568.68	196.18
For Knob Operated Damper, Add	15.00	
For Metal Trim Strips, Add	95.13	
For Snap-On Inlet Grille, Add	69.42	
For Access Doors Hinged, Add	15.00	
For Air Chamber, Auto-vent, Add	18.00	
For 3 Tubes System, Add	95.06	
23 82 33 00-0028 EA 32" High x 3' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	680.53	237.42
For Knob Operated Damper, Add	15.00	
For Metal Trim Strips, Add	113.87	
For Snap-On Inlet Grille, Add	81.91	
For Access Doors Hinged, Add	15.00	
For Air Chamber, Auto-vent, Add	18.00	
For 3 Tubes System, Add	112.34	
23 82 33 00-0029 EA 32" High x 4' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	815.35	277.55
For Knob Operated Damper, Add	15.00	
For Metal Trim Strips, Add	132.09	
For Snap-On Inlet Grille, Add	94.06	
For Access Doors Hinged, Add	15.00	
For Air Chamber, Auto-vent, Add	18.00	
For 3 Tubes System, Add	138.26	
23 82 33 00-0030 EA 32" High x 6' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	932.62	301.62
For Knob Operated Damper, Add	15.00	
For Metal Trim Strips, Add	143.09	
For Snap-On Inlet Grille, Add	101.39	
For Access Doors Hinged, Add	15.00	
For Air Chamber, Auto-vent, Add	18.00	
For 3 Tubes System, Add	166.48	
23 82 33 00-0031 EA 32" High x 8' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	1,059.02	325.93
For Knob Operated Damper, Add	15.00	
For Metal Trim Strips, Add	154.01	
For Snap-On Inlet Grille, Add	108.68	
For Access Doors Hinged, Add	15.00	
For Air Chamber, Auto-vent, Add	18.00	
For 3 Tubes System, Add	197.97	
23 82 33 00-0032 EA 32" High x 10' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	1,172.06	349.44
For Knob Operated Damper, Add	15.00	
For Metal Trim Strips, Add	164.78	
For Snap-On Inlet Grille, Add	115.86	
For Access Doors Hinged, Add	15.00	
For Air Chamber, Auto-vent, Add	18.00	
For 3 Tubes System, Add	224.97	
23 82 33 00-0033 EA 32" High x 12' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	1,306.86	378.87
For Knob Operated Damper, Add	15.00	
For Metal Trim Strips, Add	178.23	
For Snap-On Inlet Grille, Add	124.82	
For Access Doors Hinged, Add	15.00	
For Air Chamber, Auto-vent, Add	18.00	
For 3 Tubes System, Add	256.47	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 82 33 00-0034 EA 32" High x 14' Long Multi-Fin Convactor, 2-Pipe System With 6-1/4" Deep Cabinet	1,421.00	403.17
<i>For Knob Operated Damper, Add</i>	15.00	
<i>For Metal Trim Strips, Add</i>	189.33	
<i>For Snap-On Inlet Grille, Add</i>	132.22	
<i>For Access Doors Hinged, Add</i>	15.00	
<i>For Air Chamber, Auto-vent, Add</i>	18.00	
<i>For 3 Tubes System, Add</i>	283.47	
23 82 33 00-0035 EA 32" High x 16' Long Multi-Fin Convactor, 2-Pipe System With 6-1/4" Deep Cabinet	1,525.41	430.37
<i>For Knob Operated Damper, Add</i>	15.00	
<i>For Metal Trim Strips, Add</i>	201.37	
<i>For Snap-On Inlet Grille, Add</i>	140.25	
<i>For Access Doors Hinged, Add</i>	15.00	
<i>For Air Chamber, Auto-vent, Add</i>	18.00	
<i>For 3 Tubes System, Add</i>	305.96	
23 82 33 00-0036 EA 32" High x 18' Long Multi-Fin Convactor, 2-Pipe System With 6-1/4" Deep Cabinet	1,655.46	456.12
<i>For Knob Operated Damper, Add</i>	15.00	
<i>For Metal Trim Strips, Add</i>	213.39	
<i>For Snap-On Inlet Grille, Add</i>	148.26	
<i>For Access Doors Hinged, Add</i>	15.00	
<i>For Air Chamber, Auto-vent, Add</i>	18.00	
<i>For 3 Tubes System, Add</i>	337.46	
23 82 33 00-0037 EA 32" High x 20' Long Multi-Fin Convactor, 2-Pipe System With 6-1/4" Deep Cabinet	1,752.62	478.19
<i>For Knob Operated Damper, Add</i>	15.00	
<i>For Metal Trim Strips, Add</i>	223.25	
<i>For Snap-On Inlet Grille, Add</i>	154.84	
<i>For Access Doors Hinged, Add</i>	15.00	
<i>For Air Chamber, Auto-vent, Add</i>	18.00	
<i>For 3 Tubes System, Add</i>	359.95	
23 82 33 00-0038 Electric Convectors, Floor Standing Units (23 82 33)		
23 82 33 00-0039 4" Deep Electric Convectors (23 82 33 00-0038)		
23 82 33 00-0040 EA 38" Long x 14" High x 4" Deep Electric Convectors, Floor Standing Units	523.05	113.96
23 82 33 00-0041 EA 50" Long x 14" High x 4" Deep Electric Convectors, Floor Standing Units	576.02	113.96
23 82 33 00-0042 6" Deep Electric Convectors (23 82 33 00-0038)		
23 82 33 00-0043 EA 38" Long x 14" High x 6" Deep Electric Convectors, Floor Standing Units	600.46	113.96
23 82 33 00-0044 EA 50" Long x 14" High x 6" Deep Electric Convectors, Floor Standing Units	681.95	113.96
23 82 33 00-0045 EA 62" Long x 20" High x 6" Deep Electric Convectors, Floor Standing Units	753.24	113.96
23 82 33 00-0046 EA 74" Long x 20" High x 6" Deep Electric Convectors, Floor Standing Units	865.29	113.96
23 82 36 Finned-Tube Radiation Heaters (23 82)		
23 82 36 00-0001 Electric Baseboard Heating (23 82 36)		
Note: Includes 24 gauge steel enclosure and heating element		
23 82 36 00-0002 Electric Wall Heating 10" Enclosure (23 82 36 00-0001)		
23 82 36 00-0003 LF Electric Wall Heating, 10" Enclosure, Low Capacity Electric Unit, Element <250 Watts/FT	131.10	63.32
23 82 36 00-0004 LF Electric Wall Heating, 10" Enclosure, Low Capacity Electric Unit, Element >= 250 Watts/FT	133.54	63.32
23 82 36 00-0005 Electric Wall Heating 16" Enclosure (23 82 36 00-0001)		
23 82 36 00-0006 LF Electric Wall Heating, 16" Enclosure, Low Capacity Electric Unit, Element <350 Watts/FT	155.54	63.32
23 82 36 00-0007 LF Electric Wall Heating, 16" Enclosure, Low Capacity Electric Unit, Element >= 350 Watts/FT	161.65	63.32
23 82 36 00-0008 Finned Tube Baseboard Units (23 82 36)		
Note: Complete with steel enclosure. Single heating element.		
23 82 36 00-0009 3/4" IPS Steel Tube With Steel Fins (23 82 36 00-0008)		
23 82 36 00-0010 EA 4' Long Finned Tube Baseboard Unit Complete With Enclosure And 3/4" IPS Heat Element	296.73	43.48
<i>For 90 Degree Corner, Add</i>	52.06	
<i>For Valve Enclosure, Add</i>	52.06	
<i>For Filler Piece, Add</i>	45.06	
<i>For End Cap, Add</i>	35.34	
<i>For Copper Tube With Aluminum Fins, Add</i>	4.75	
23 82 36 00-0011 EA 6' Long Finned Tube Baseboard Unit Complete With Enclosure And 3/4" IPS Heat Element	382.95	65.76
<i>For 90 Degree Corner, Add</i>	60.67	
<i>For Valve Enclosure, Add</i>	60.67	
<i>For Filler Piece, Add</i>	53.67	
<i>For End Cap, Add</i>	40.93	
<i>For Copper Tube With Aluminum Fins, Add</i>	7.13	
23 82 36 00-0012 EA 8' Long Finned Tube Baseboard Unit Complete With Enclosure And 3/4" IPS Heat Element	451.48	86.94
<i>For 90 Degree Corner, Add</i>	65.73	
<i>For Valve Enclosure, Add</i>	65.73	
<i>For Filler Piece, Add</i>	58.73	
<i>For End Cap, Add</i>	44.23	
<i>For Copper Tube With Aluminum Fins, Add</i>	9.51	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 80 Decentralized Unitary HVAC Equipment****23 82 Convection Heating And Cooling Units**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 82 36 00-0013 EA 10' Long Finned Tube Baseboard Unit Complete With Enclosure And 3/4" IPS Heat Element	562.66	121.72
For 90 Degree Corner, Add	79.55	
For Valve Enclosure, Add	79.55	
For Filler Piece, Add	72.55	
For End Cap, Add	53.21	
For Copper Tube With Aluminum Fins, Add	11.82	
23 82 36 00-0014 EA 12' Long Finned Tube Baseboard Unit Complete With Enclosure And 3/4" IPS Heat Element	673.81	146.24
For 90 Degree Corner, Add	93.60	
For Valve Enclosure, Add	93.60	
For Filler Piece, Add	86.60	
For End Cap, Add	62.34	
For Copper Tube With Aluminum Fins, Add	14.07	
23 82 36 00-0015 EA 14' Long Finned Tube Baseboard Unit Complete With Enclosure And 3/4" IPS Heat Element	752.85	156.05
For 90 Degree Corner, Add	99.17	
For Valve Enclosure, Add	99.17	
For Filler Piece, Add	92.17	
For End Cap, Add	65.96	
For Copper Tube With Aluminum Fins, Add	16.88	
23 82 36 00-0016 EA 16' Long Finned Tube Baseboard Unit Complete With Enclosure And 3/4" IPS Heat Element	830.38	172.44
For 90 Degree Corner, Add	108.54	
For Valve Enclosure, Add	108.54	
For Filler Piece, Add	101.54	
For End Cap, Add	72.05	
For Copper Tube With Aluminum Fins, Add	18.57	
23 82 36 00-0017 EA 18' Long Finned Tube Baseboard Unit Complete With Enclosure And 3/4" IPS Heat Element	946.18	195.07
For 90 Degree Corner, Add	121.46	
For Valve Enclosure, Add	121.46	
For Filler Piece, Add	114.46	
For End Cap, Add	80.45	
For Copper Tube With Aluminum Fins, Add	21.39	
23 82 36 00-0018 EA 20' Long Finned Tube Baseboard Unit Complete With Enclosure And 3/4" IPS Heat Element	1,042.91	214.57
For 90 Degree Corner, Add	132.62	
For Valve Enclosure, Add	132.62	
For Filler Piece, Add	125.62	
For End Cap, Add	87.71	
For Copper Tube With Aluminum Fins, Add	23.64	
23 82 36 00-0019 1" IPS Steel Tube With Steel Fins (23 82 36 00-0008)		
23 82 36 00-0020 EA 4' Long Finned Tube Baseboard Unit Complete With Enclosure And 1" IPS Heat Element	333.77	43.48
For 90 Degree Corner, Add	52.06	
For Valve Enclosure, Add	52.06	
For Filler Piece, Add	45.06	
For End Cap, Add	35.34	
For Copper Tube With Aluminum Fins, Add	6.79	
23 82 36 00-0021 EA 6' Long Finned Tube Baseboard Unit Complete With Enclosure And 1" IPS Heat Element	438.50	65.76
For 90 Degree Corner, Add	60.67	
For Valve Enclosure, Add	60.67	
For Filler Piece, Add	53.67	
For End Cap, Add	40.93	
For Copper Tube With Aluminum Fins, Add	10.18	
23 82 36 00-0022 EA 8' Long Finned Tube Baseboard Unit Complete With Enclosure And 1" IPS Heat Element	525.56	86.94
For 90 Degree Corner, Add	65.73	
For Valve Enclosure, Add	65.73	
For Filler Piece, Add	58.73	
For End Cap, Add	44.23	
For Copper Tube With Aluminum Fins, Add	13.58	
23 82 36 00-0023 EA 10' Long Finned Tube Baseboard Unit Complete With Enclosure And 1" IPS Heat Element	654.89	121.72
For 90 Degree Corner, Add	79.58	
For Valve Enclosure, Add	79.58	
For Filler Piece, Add	72.58	
For End Cap, Add	53.23	
For Copper Tube With Aluminum Fins, Add	16.89	
23 82 36 00-0024 EA 12' Long Finned Tube Baseboard Unit Complete With Enclosure And 1" IPS Heat Element	783.26	146.24
For 90 Degree Corner, Add	93.56	
For Valve Enclosure, Add	93.56	
For Filler Piece, Add	86.56	
For End Cap, Add	62.31	
For Copper Tube With Aluminum Fins, Add	20.10	
23 82 36 00-0025 EA 14' Long Finned Tube Baseboard Unit Complete With Enclosure And 1" IPS Heat Element	884.43	156.05
For 90 Degree Corner, Add	99.17	
For Valve Enclosure, Add	99.17	
For Filler Piece, Add	92.17	
For End Cap, Add	65.96	
For Copper Tube With Aluminum Fins, Add	24.12	
23 82 36 00-0026 EA 16' Long Finned Tube Baseboard Unit Complete With Enclosure And 1" IPS Heat Element	974.76	172.44
For 90 Degree Corner, Add	108.47	
For Valve Enclosure, Add	108.47	
For Filler Piece, Add	101.47	
For End Cap, Add	72.00	
For Copper Tube With Aluminum Fins, Add	26.53	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 82 36 00-0027 EA 18' Long Finned Tube Baseboard Unit Complete With Enclosure And 1" IPS Heat Element	1,112.84	195.07
<i>For 90 Degree Corner, Add</i>	121.46	
<i>For Valve Enclosure, Add</i>	121.46	
<i>For Filler Piece, Add</i>	114.46	
<i>For End Cap, Add</i>	80.45	
<i>For Copper Tube With Aluminum Fins, Add</i>	30.55	
23 82 36 00-0028 EA 20' Long Finned Tube Baseboard Unit Complete With Enclosure And 1" IPS Heat Element	1,226.45	214.57
<i>For 90 Degree Corner, Add</i>	132.49	
<i>For Valve Enclosure, Add</i>	132.49	
<i>For Filler Piece, Add</i>	125.49	
<i>For End Cap, Add</i>	87.62	
<i>For Copper Tube With Aluminum Fins, Add</i>	33.77	
23 82 36 00-0029 1-1/4" IPS Steel Tube With Steel Fins <small>(23 82 36 00-0008)</small>		
23 82 36 00-0030 EA 4' Long Finned Tube Baseboard Unit Complete With Enclosure And 1-1/4" IPS Heat Element	370.80	43.48
<i>For 90 Degree Corner, Add</i>	52.06	
<i>For Valve Enclosure, Add</i>	52.06	
<i>For Filler Piece, Add</i>	45.06	
<i>For End Cap, Add</i>	35.34	
<i>For Copper Tube With Aluminum Fins, Add</i>	8.83	
23 82 36 00-0031 EA 6' Long Finned Tube Baseboard Unit Complete With Enclosure And 1-1/4" IPS Heat Element	494.06	65.76
<i>For 90 Degree Corner, Add</i>	60.67	
<i>For Valve Enclosure, Add</i>	60.67	
<i>For Filler Piece, Add</i>	53.67	
<i>For End Cap, Add</i>	40.93	
<i>For Copper Tube With Aluminum Fins, Add</i>	13.24	
23 82 36 00-0032 EA 8' Long Finned Tube Baseboard Unit Complete With Enclosure And 1-1/4" IPS Heat Element	599.63	86.94
<i>For 90 Degree Corner, Add</i>	65.73	
<i>For Valve Enclosure, Add</i>	65.73	
<i>For Filler Piece, Add</i>	58.73	
<i>For End Cap, Add</i>	44.23	
<i>For Copper Tube With Aluminum Fins, Add</i>	17.65	
23 82 36 00-0033 EA 10' Long Finned Tube Baseboard Unit Complete With Enclosure And 1-1/4" IPS Heat Element	746.99	121.72
<i>For 90 Degree Corner, Add</i>	79.58	
<i>For Valve Enclosure, Add</i>	79.58	
<i>For Filler Piece, Add</i>	72.58	
<i>For End Cap, Add</i>	53.23	
<i>For Copper Tube With Aluminum Fins, Add</i>	21.95	
23 82 36 00-0034 EA 12' Long Finned Tube Baseboard Unit Complete With Enclosure And 1-1/4" IPS Heat Element	892.91	146.24
<i>For 90 Degree Corner, Add</i>	93.56	
<i>For Valve Enclosure, Add</i>	93.56	
<i>For Filler Piece, Add</i>	86.56	
<i>For End Cap, Add</i>	62.31	
<i>For Copper Tube With Aluminum Fins, Add</i>	26.13	
23 82 36 00-0035 EA 14' Long Finned Tube Baseboard Unit Complete With Enclosure And 1-1/4" IPS Heat Element	1,016.00	156.05
<i>For 90 Degree Corner, Add</i>	99.17	
<i>For Valve Enclosure, Add</i>	99.17	
<i>For Filler Piece, Add</i>	92.17	
<i>For End Cap, Add</i>	65.96	
<i>For Copper Tube With Aluminum Fins, Add</i>	31.36	
23 82 36 00-0036 EA 16' Long Finned Tube Baseboard Unit Complete With Enclosure And 1-1/4" IPS Heat Element	1,119.48	172.44
<i>For 90 Degree Corner, Add</i>	108.47	
<i>For Valve Enclosure, Add</i>	108.47	
<i>For Filler Piece, Add</i>	101.47	
<i>For End Cap, Add</i>	72.00	
<i>For Copper Tube With Aluminum Fins, Add</i>	34.49	
23 82 36 00-0037 EA 18' Long Finned Tube Baseboard Unit Complete With Enclosure And 1-1/4" IPS Heat Element	1,279.50	195.07
<i>For 90 Degree Corner, Add</i>	121.46	
<i>For Valve Enclosure, Add</i>	121.46	
<i>For Filler Piece, Add</i>	114.46	
<i>For End Cap, Add</i>	80.45	
<i>For Copper Tube With Aluminum Fins, Add</i>	39.72	
23 82 36 00-0038 EA 20' Long Finned Tube Baseboard Unit Complete With Enclosure And 1-1/4" IPS Heat Element	1,410.65	214.57
<i>For 90 Degree Corner, Add</i>	132.49	
<i>For Valve Enclosure, Add</i>	132.49	
<i>For Filler Piece, Add</i>	125.49	
<i>For End Cap, Add</i>	87.62	
<i>For Copper Tube With Aluminum Fins, Add</i>	43.90	

23 82 39 Unit Heaters (23 82)

23 82 39 13 Cabinet Unit Heaters (23 82 39)

23 82 39 13-0001 Electric Cabinet Unit Heaters (23 82 39 13)

Note: Can be mounted on the ceiling, floor or wall. Includes built-in thermostat. 208, 240/208, 277, or 480 Volt.

23 82 39 13-0002 Electric Cabinet Unit Heaters, 35" Cabinet Length (23 82 39 13-0001)

23 82 39 13-0003 EA 2 KW, 250 CFM, 35" Electric Cabinet Unit Heater	2,514.41	143.89
<i>Note: Wall or floor mounted.</i>		
23 82 39 13-0004 EA 3 KW, 250 CFM, 35" Electric Cabinet Unit Heater	2,533.95	143.89
<i>Note: Wall or floor mounted.</i>		
23 82 39 13-0005 EA 4 KW, 250 CFM, 35" Electric Cabinet Unit Heater	2,553.49	143.89
<i>Note: Wall or floor mounted.</i>		

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 80 Decentralized Unitary HVAC Equipment****23 82 Convection Heating And Cooling Units**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 82 39 13-0006 EA 5 KW, 250 CFM, 35" Electric Cabinet Unit Heater Note: Wall or floor mounted.	2,573.02	143.89
23 82 39 13-0007 EA 6 KW, 250 CFM, 35" Electric Cabinet Unit Heater Note: Wall or floor mounted.	2,592.56	143.89
23 82 39 13-0008 EA 7 KW, 250 CFM, 35" Electric Cabinet Unit Heater Note: Wall or floor mounted.	2,612.11	143.89
23 82 39 13-0009 EA 8 KW, 250 CFM, 35" Electric Cabinet Unit Heater	2,632.42	143.89
23 82 39 13-0010 EA For Ceiling Installation of 35" Cabinet Unit Heater, Add.....	192.24	95.55
23 82 39 13-0011 Electric Cabinet Unit Heaters, 45" Cabinet Length (23 82 39 13-0001)		
23 82 39 13-0012 EA 4 KW, 500 CFM, 45" Electric Cabinet Unit Heater Note: Wall or floor mounted.	2,677.47	172.67
23 82 39 13-0013 EA 6 KW, 500 CFM, 45" Electric Cabinet Unit Heater Note: Wall or floor mounted.	2,716.56	172.67
23 82 39 13-0014 EA 8 KW, 500 CFM, 45" Electric Cabinet Unit Heater Note: Wall or floor mounted.	2,755.63	172.67
23 82 39 13-0015 EA 10 KW, 500 CFM, 45" Electric Cabinet Unit Heater Note: Wall or floor mounted.	2,794.71	172.67
23 82 39 13-0016 EA 12 KW, 500 CFM, 45" Electric Cabinet Unit Heater Note: Wall or floor mounted.	2,833.78	172.67
23 82 39 13-0017 EA 14 KW, 500 CFM, 45" Electric Cabinet Unit Heater Note: Wall or floor mounted.	2,872.87	172.67
23 82 39 13-0018 EA 16 KW, 500 CFM, 45" Electric Cabinet Unit Heater	2,911.94	172.67
23 82 39 13-0019 EA For Ceiling Installation of 45" Cabinet Unit Heater, Add.....	230.23	115.11
23 82 39 13-0020 Electric Cabinet Unit Heaters, 58" Cabinet Length (23 82 39 13-0001)		
23 82 39 13-0021 EA 6 KW, 750 CFM, 58" Electric Cabinet Unit Heater Note: Wall or floor mounted.	3,365.47	230.23
23 82 39 13-0022 EA 8 KW, 750 CFM, 58" Electric Cabinet Unit Heater Note: Wall or floor mounted.	3,404.54	230.23
23 82 39 13-0023 EA 10 KW, 750 CFM, 58" Electric Cabinet Unit Heater Note: Wall or floor mounted.	3,443.62	230.23
23 82 39 13-0024 EA 12 KW, 750 CFM, 58" Electric Cabinet Unit Heater Note: Wall or floor mounted.	3,482.69	230.23
23 82 39 13-0025 EA 14 KW, 750 CFM, 58" Electric Cabinet Unit Heater Note: Wall or floor mounted.	3,521.78	230.23
23 82 39 13-0026 EA 16 KW, 750 CFM, 58" Electric Cabinet Unit Heater Note: Wall or floor mounted.	3,560.85	230.23
23 82 39 13-0027 EA For Ceiling Installation of 58" Cabinet Unit Heater, Add.....	287.77	143.89
23 82 39 13-0028 Electric Cabinet Unit Heaters, 68" Cabinet Length (23 82 39 13-0001)		
23 82 39 13-0029 EA 6 KW, 750 CFM, 68" Electric Cabinet Unit Heater Note: Wall or floor mounted.	3,975.32	287.77
23 82 39 13-0030 EA 9 KW, 750 CFM, 68" Electric Cabinet Unit Heater Note: Wall or floor mounted.	4,033.93	287.77
23 82 39 13-0031 EA 12 KW, 750 CFM, 68" Electric Cabinet Unit Heater Note: Wall or floor mounted.	4,092.54	287.77
23 82 39 13-0032 EA 15 KW, 750 CFM, 68" Electric Cabinet Unit Heater Note: Wall or floor mounted.	4,151.15	287.77
23 82 39 13-0033 EA 18 KW, 750 CFM, 68" Electric Cabinet Unit Heater Note: Wall or floor mounted.	4,209.78	287.77
23 82 39 13-0034 EA 21 KW, 750 CFM, 68" Electric Cabinet Unit Heater Note: Wall or floor mounted.	4,268.39	287.77
23 82 39 13-0035 EA 24 KW, 750 CFM, 68" Electric Cabinet Unit Heater Note: Wall or floor mounted.	4,327.01	287.77
23 82 39 13-0036 EA For Ceiling Installation of 68" Cabinet Unit Heater, Add.....	384.48	192.24
23 82 39 13-0037 Electric Cabinet Unit Heaters, 78" Cabinet Length (23 82 39 13-0001)		
23 82 39 13-0038 EA 8 KW, 1,000 CFM, 78" Electric Cabinet Unit Heater Note: Wall or floor mounted.	4,663.29	345.33
23 82 39 13-0039 EA 12 KW, 1,000 CFM, 78" Electric Cabinet Unit Heater Note: Wall or floor mounted.	4,741.45	345.33
23 82 39 13-0040 EA 16 KW, 1,000 CFM, 78" Electric Cabinet Unit Heater Note: Wall or floor mounted.	4,819.61	345.33
23 82 39 13-0041 EA 20 KW, 1,000 CFM, 78" Electric Cabinet Unit Heater Note: Wall or floor mounted.	4,897.76	345.33
23 82 39 13-0042 EA 24 KW, 1,000 CFM, 78" Electric Cabinet Unit Heater Note: Wall or floor mounted.	4,975.92	345.33
23 82 39 13-0043 EA 28 KW, 1,000 CFM, 78" Electric Cabinet Unit Heater Note: Wall or floor mounted.	5,054.07	345.33
23 82 39 13-0044 EA 32 KW, 1,000 CFM, 78" Electric Cabinet Unit Heater Note: Wall or floor mounted.	5,132.23	345.33
23 82 39 13-0045 EA For Ceiling Installation of 78" Cabinet Unit Heater, Add.....	460.44	230.23
23 82 39 13-0046 Removal and Reinstallation of Cabinet Unit Heaters (23 82 39 13) Note: Includes disconnection/reconnection of power and piping, storage, cleaning and reinstallation. Excludes removal and reinstallation of equipment supports.		



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 82 39 13-0047	EA			Removal And Reinstallation Of Up To 58" Cabinet Unit Heater, Floor or Wall	306.53	
23 82 39 13-0048	EA			Removal And Reinstallation Of >58" Cabinet Unit Heater, Floor or Wall	529.48	
23 82 39 13-0049	EA			Removal And Reinstallation Of Up To 58" Cabinet Unit Heater, Ceiling.....	632.01	
23 82 39 13-0050	EA			Removal And Reinstallation Of >58" Cabinet Unit Heater, Ceiling	854.94	
23 82 39 16	Propeller Unit Heaters (23 82 39)					
23 82 39 16-0001	Hydronic Unit Heaters Using Steam Or Hot Water (23 82 39 16)					
Note: For use with either steam or heating hot water. Heating output capacities for both are listed.						
23 82 39 16-0002	Horizontal Hydronic Unit Heaters, Fan Propelled, 115 Volt (23 82 39 16-0001)					
23 82 39 16-0003	EA			18 MBH Steam, 13 MBH Hot Water, 395 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt	655.60	111.46
23 82 39 16-0004	EA			24 MBH Steam, 17.4 MBH Hot Water, 450 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt	656.78	111.46
23 82 39 16-0005	EA			36 MBH Steam, 26.1 MBH Hot Water, 550 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt	724.62	111.46
23 82 39 16-0006	EA			48 MBH Steam, 34.8 MBH Hot Water, 750 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt	906.70	167.20
23 82 39 16-0007	EA			60 MBH Steam, 43.6 MBH Hot Water, 900 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt	941.41	167.20
23 82 39 16-0008	EA			72 MBH Steam, 52.3 MBH Hot Water, 1,100 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt	993.09	167.20
23 82 39 16-0009	EA			84 MBH Steam, 61 MBH Hot Water, 2,400 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt	1,206.29	222.93
23 82 39 16-0010	EA			96 MBH Steam, 69.7 MBH Hot Water, 2,400 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt	1,310.41	222.93
23 82 39 16-0011	EA			108 MBH Steam, 78.4 MBH Hot Water, 2,800 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt	1,376.67	222.93
23 82 39 16-0012	EA			120 MBH Steam, 87.1 MBH Hot Water, 2,900 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt	1,430.31	222.93
23 82 39 16-0013	EA			132 MBH Steam, 95.8 MBH Hot Water, 2,000 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt	1,631.70	278.66
23 82 39 16-0014	EA			144 MBH Steam, 104 MBH Hot Water, 2,200 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt	1,649.85	278.66
23 82 39 16-0015	EA			156 MBH Steam, 113 MBH Hot Water, 2,600 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt	1,667.21	278.66
23 82 39 16-0016	EA			180 MBH Steam, 118 MBH Hot Water, 2,200 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt	1,799.92	334.39
23 82 39 16-0017	EA			204 MBH Steam, 148 MBH Hot Water, 2,900 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt	1,935.59	334.39
23 82 39 16-0018	EA			240 MBH Steam, 174 MBH Hot Water, 3,500 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt	2,213.66	390.13
23 82 39 16-0019	EA			280 MBH Steam, 209.1 MBH Hot Water, 4,200 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt	2,705.09	390.13
23 82 39 16-0020	EA			300 MBH Steam, 230 MBH Hot Water, 5,000 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt	2,896.92	445.86
23 82 39 16-0021	EA			360 MBH Steam, 261.3 MBH Hot Water, 5,500 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt	3,401.77	445.86
23 82 39 16-0022	EA			Fan Guard For Fan Propelled Steam Unit Heater, Horizontal.....	176.01	27.87
Note: Required only for unit heaters located within 7' of a working surface.						
23 82 39 16-0023	Vertical Hydronic Unit Heaters, Fan Propelled, 115 Volt (23 82 39 16-0001)					
23 82 39 16-0024	EA			41.3 MBH Steam, 22.7 MBH Hot Water, 595 CFM Unit Heater Fan Propelled, Vertical, 115 Volt.....	953.25	111.46
23 82 39 16-0025	EA			65.5 MBH Steam, 39.6 MBH Hot Water, 989 CFM Unit Heater Fan Propelled, Vertical, 115 Volt.....	990.71	167.20
23 82 39 16-0026	EA			80.6 MBH Steam, 48.4 MBH Hot Water, 1,200 CFM Unit Heater Fan Propelled, Vertical, 115 Volt.....	1,058.95	167.20
23 82 39 16-0027	EA			101.8 MBH Steam, 68.3 MBH Hot Water, 1,490 CFM Unit Heater Fan Propelled, Vertical, 115 Volt.....	1,312.79	222.93
23 82 39 16-0028	EA			124.4 MBH Steam, 83.7 MBH Hot Water, 1,790 CFM Unit Heater Fan Propelled, Vertical, 115 Volt.....	1,679.83	222.93
23 82 39 16-0029	EA			152 MBH Steam, 105.2 MBH Hot Water, 2,220 CFM Unit Heater Fan Propelled, Vertical, 115 Volt.....	1,678.44	334.39
23 82 39 16-0030	EA			173 MBH Steam, 118.6 MBH Hot Water, 2,620 CFM Unit Heater Fan Propelled, Vertical, 115 Volt.....	1,780.98	334.39
23 82 39 16-0031	EA			210.2 MBH Steam, 139.7 MBH Hot Water, 3,200 CFM Unit Heater Fan Propelled, Vertical, 115 Volt.....	1,866.97	334.39
23 82 39 16-0032	EA			249.8 MBH Steam, 180.1 MBH Hot Water, 4,180 CFM Unit Heater Fan Propelled, Vertical, 115 Volt.....	2,096.12	390.13
23 82 39 16-0033	EA			283.8 MBH Steam, 205.4 MBH Hot Water, 4,430 CFM Unit Heater Fan Propelled, Vertical, 115 Volt.....	2,197.89	390.13
23 82 39 16-0034	EA			333.4 MBH Steam, 242.9 MBH Hot Water, 5,210 CFM Unit Heater Fan Propelled, Vertical, 115 Volt.....	2,403.76	390.13
23 82 39 16-0035	EA			386 MBH Steam, 280.8 MBH Hot Water, 6,140 CFM Unit Heater Fan Propelled, Vertical, 115 Volt.....	2,814.33	501.59
23 82 39 16-0036	EA			496 MBH Steam, 368.1 MBH Hot Water, 8,020 CFM Unit Heater Fan Propelled, Vertical, 115 Volt.....	3,499.03	501.59
23 82 39 16-0037	EA			585 MBH Steam, 431.1 MBH Hot Water, 9,450 CFM Unit Heater Fan Propelled, Vertical, 115 Volt.....	3,708.86	501.59
23 82 39 16-0038	EA			705 MBH Steam, 519.4 MBH Hot Water, 11,000 CFM Unit Heater Fan Propelled, Vertical, 115 Volt.....	4,213.16	557.32
23 82 39 16-0039	EA			Fan Guard For Fan Propelled Steam Unit Heater, Vertical.....	234.39	27.87
Note: Required only for unit heaters located within 7' of a working surface.						
23 82 39 16-0040	Removal and Reinstallation of Propeller Unit Heaters (23 82 39 16)					
Note: Includes disconnection/reconnection of power and piping, storage, cleaning and reinstallation. Excludes removal and reinstallation of equipment supports.						
23 82 39 16-0041	EA			Removal And Reinstallation Of Up To 120 MBH Steam, 87.1 MBH Hot Water Hydronic Unit Heater, Horizontal or Vertical	668.79	
23 82 39 16-0042	EA			Removal And Reinstallation Of >120 MBH Steam, 87.1 MBH Hot Water Hydronic Unit Heater, Horizontal or Vertical	891.73	
23 82 39 19	Wall and Ceiling Unit Heaters (23 82 39)					
23 82 39 19-0001	Electric Unit Heaters (23 82 39 19)					
Note: May be mounted both vertically and horizontally.						
23 82 39 19-0002	EA			3 KW, 350 CFM Electric Unit Heater, 208, 240/208, or 277 Volt	751.81	115.11
23 82 39 19-0003	EA			5 KW, 350 CFM Electric Unit Heater, 208, 240/208, or 277 Volt	751.81	115.11
23 82 39 19-0004	EA			7.5 KW, 650 CFM Electric Unit Heater, 208, 240/208, or 277 Volt	1,005.70	143.89
23 82 39 19-0005	EA			10 KW, 650 CFM Electric Unit Heater, 208, 240/208, or 277 Volt	1,155.47	172.67
23 82 39 19-0006	EA			15 KW, 910 CFM Electric Unit Heater, 208, 240/208, or 277 Volt	1,680.37	230.23
23 82 39 19-0007	EA			20 KW, 1,320 CFM Electric Unit Heater, 208, 240/208, 277, or 480 Volt	2,435.41	287.77
23 82 39 19-0008	EA			30 KW, 2,100 CFM Electric Unit Heater, Two speed; 208, 240/208, 277, or 480 Volt.....	3,348.06	345.33
23 82 39 19-0009	EA			50 KW, 3,000 CFM Electric Unit Heater, Two speed; 208, 240/208, 277, or 480 Volt.....	4,867.59	402.89
23 82 39 19-0010	EA			3 KW, 350 CFM Electric Unit Heater - 480 Volt	921.37	115.11
23 82 39 19-0011	EA			5 KW, 350 CFM Electric Unit Heater - 480 Volt	888.27	115.11
23 82 39 19-0012	EA			7.5 KW, 650 CFM Electric Unit Heater - 480 Volt	1,054.17	143.89
23 82 39 19-0013	EA			10 KW, 650 CFM Electric Unit Heater - 480 Volt	1,218.51	172.67
23 82 39 19-0014	EA			15 KW, 910 CFM Electric Unit Heater - 480 Volt	1,806.47	230.23

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 80 Decentralized Unitary HVAC Equipment****23 82 Convection Heating And Cooling Units**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 82 39 19-0015 Electric Ceiling and Wall Heaters <small>(23 82 39 19)</small>		
Note: The "/" between wattages indicates two or three speed operation. 120, 240/208 or 277 Volt.		
23 82 39 19-0016 EA 1,000, 1,500 Or 2,000 Watt Recessed Electric Wall Heater	307.09	65.62
23 82 39 19-0017 EA 1,500/750 Or 2,000/1,000 Watt Recessed Electric Wall Heater	347.28	80.58
23 82 39 19-0018 EA 3,000, 3,600, 4,000 Or 4,800 Watt Recessed Electric Wall Heater	530.17	80.58
23 82 39 19-0019 EA 1,000, 1,500 Or 2,000 Watt Surface Mounted Electric Wall Heater	342.65	71.95
23 82 39 19-0020 EA 1,500/750 Or 2,000/1,000 Watt Surface Mounted Electric Wall Heater	413.18	80.58
23 82 39 19-0021 EA 3,000, 3,600, 4,000 Or 4,800 Watt Surface Mounted Electric Wall Heater	596.07	80.58
23 82 39 19-0022 EA 1,000, 1,500 Or 2,000/1,500 Watt Recessed Electric Ceiling Heater	450.85	94.96
23 82 39 19-0023 EA 3,000, 4,000 Or 4,000/3,000 Watt Recessed Electric Ceiling Heater	792.92	100.72
23 82 39 19-0024 EA 4,800/3,600 Watt Recessed Electric Ceiling Heater	884.39	100.72
23 82 39 19-0025 EA 4,000/3,000/2,000 Watt Recessed Or Surface Mounted Electric Ceiling Heater	1,020.10	106.48
23 82 39 19-0026 EA 5,000/3,800/2,500 Watt Recessed Or Surface Mounted Electric Ceiling Heater	1,100.42	106.48
23 82 39 19-0027 EA 1,000, 1,500 Or 2,000/1,500 Watt Surface Mounted Electric Ceiling Heater	498.37	94.96
23 82 39 19-0028 EA 3,000, 4,000 Or 4,000/3,000 Watt Surface Mounted Electric Ceiling Heater	867.76	100.72
23 82 39 19-0029 EA 4,800/3,600 Watt Surface Mounted Electric Ceiling Heater	959.24	100.72
23 82 39 19-0030 Removal And Reinstallation Of Electric Unit Heaters <small>(23 82 39 19)</small>		
Note: Includes disconnection/reconnection of power and piping, storage, cleaning and reinstallation. Excludes removal and reinstallation of equipment supports.		
23 82 39 19-0031 EA Removal And Reinstallation Of Up To 15KW Electric Unit Heater	401.30	
23 82 39 19-0032 EA Removal And Reinstallation Of >15 KW Electric Unit Heater	824.94	
23 83 Radiant Heating Units <small>(23 83)</small>		
23 83 13 Radiant-Heating Electric Cables <small>(23 83)</small>		
23 83 13 00-0001 Self Regulating Heating Cable <small>(23 83 13)</small>		
23 83 13 00-0002 LF 3 Watt, 120 Volt, Self Regulating Low Temperature Heating Cable	5.72	0.72
Note: Tinned copper braid, @ 50° F.		
<i>For TPE Covering, Add</i>		1.07
23 83 13 00-0003 LF 5 Watt, 120 Volt, Self Regulating Low Temperature Heating Cable	6.25	0.72
Note: Tinned copper braid, @ 50° F.		
<i>For TPE Covering, Add</i>		1.20
23 83 13 00-0004 LF 8 Watt, 120 Volt, Self Regulating Low Temperature Heating Cable	6.71	0.72
Note: Tinned copper braid, @ 50° F.		
<i>For TPE Covering, Add</i>		1.32
23 83 13 00-0005 LF 3 Watt, 240 Volt, Self Regulating Low Temperature Heating Cable	5.88	0.72
Note: Tinned copper braid, @ 50° F.		
<i>For TPE Covering, Add</i>		1.11
23 83 13 00-0006 LF 5 Watt, 240 Volt, Self Regulating Low Temperature Heating Cable	6.39	0.72
Note: Tinned copper braid, @ 50° F.		
<i>For TPE Covering, Add</i>		1.24
23 83 13 00-0007 LF 8 Watt, 240 Volt, Self Regulating Low Temperature Heating Cable	6.92	0.72
Note: Tinned copper braid, @ 50° F.		
<i>For TPE Covering, Add</i>		1.37
23 83 13 00-0008 EA Power Connection Kit	209.75	57.15
Note: Includes pre-set thermostat.		
23 83 13 00-0009 EA Splice And Tee Kit	209.75	57.15
23 83 13 00-0010 EA End Seal Kit	116.24	10.39
23 83 13 00-0011 EA Ambient Air Sensing Thermostat	313.44	25.97
23 83 13 00-0012 EA Line Sensing Thermostat	343.15	25.97
Note: Mechanical or electronic.		
23 84 Humidity Control Equipment <small>(23 84)</small>		
23 84 13 Humidifiers <small>(23 84)</small>		
23 84 13 00-0001 Steam Type Pneumatically Controlled <small>(23 84 13)</small>		
Note: For duct or air handling installation standard unit with integral operator distribution manifold strainer trap and pneumatic modulating valve. Excludes humidistat and piping.		
23 84 13 00-0002 EA 3-191 LB/Hour Steam Humidifier, 24" Manifold, Pneumatic Controls	1,254.48	294.27
<i>For Electrically Controlled Unit, Add</i>		700.00
<i>For Each Additional Manifold, Add</i>		391.21
23 84 13 00-0003 EA 3-191 LB/Hour Steam Humidifier, 48" Manifold, Pneumatic Controls	1,254.48	294.27
<i>For Electrically Controlled Unit, Add</i>		700.00
<i>For Each Additional Manifold, Add</i>		391.21
23 84 13 00-0004 EA 65-334 LB/Hour Steam Humidifier, 36" Manifold, Pneumatic Controls	1,714.20	294.27
<i>For Electrically Controlled Unit, Add</i>		700.00
<i>For Each Additional Manifold, Add</i>		529.12
23 84 13 00-0005 EA 65-334 LB/Hour Steam Humidifier, 72" Manifold, Pneumatic Controls	1,825.66	367.84
<i>For Electrically Controlled Unit, Add</i>		700.00
<i>For Each Additional Manifold, Add</i>		566.28
23 84 13 00-0006 EA 100-690 LB/Hour Steam Humidifier, 48" Manifold, Pneumatic Controls	2,470.12	294.27
<i>For Electrically Controlled Unit, Add</i>		700.00
<i>For Each Additional Manifold, Add</i>		755.90
23 84 13 00-0007 EA 100-690 LB/Hour Steam Humidifier, 84" Manifold, Pneumatic Controls	2,581.58	367.84
<i>For Electrically Controlled Unit, Add</i>		700.00
<i>For Each Additional Manifold, Add</i>		793.05



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 84 13 00-0008 EA 220-2,000 LB/Hour Steam Humidifier, 72" Manifold, Pneumatic Controls <i>For Electrically Controlled Unit, Add</i> <i>For Each Additional Manifold, Add</i>	3,762.71 700.00 1,147.39	367.84
23 84 13 00-0009 EA 220-2,000 LB/Hour Steam Humidifier, 144" Manifold, Pneumatic Controls <i>For Electrically Controlled Unit, Add</i> <i>For Each Additional Manifold, Add</i>	3,902.05 700.00 1,193.84	460.35
23 84 13 00-0010 Electric Steam Humidifiers, Self-Steam Producing <small>(23 84 13)</small> Note: Electronic modulating duct or air handling unit installation 208V-108V with 12"-72" manifolds included.		
23 84 13 00-0011 EA 1-96 LB/Hour Electric Steam Humidifier, Self-Steam Producing With 12-72" Manifold.....	6,835.59	459.24
23 84 13 00-0012 EA 20-168 LB/Hour Electric Steam Humidifier, Self-Steam Producing With 12-72" Manifold.....	8,582.93	460.35
23 84 13 00-0013 Residential Humidifiers <small>(23 84 13)</small> Note: Includes solenoid valve and flow through water supply.		
23 84 13 00-0014 EA Duct Or Furnace Mounted Humidifier, Residential Type.....	404.64	55.73
23 84 16 Mechanical Dehumidification Units <small>(23 84)</small>		
23 84 16 16 Indoor, Mechanical Dehumidification Units <small>(23 84 16)</small>		
23 84 16 16-0001 Mechanical Dehumidification Units <small>(23 84 16 16)</small> Note: Sized by moisture removal per 24 hours.		
23 84 16 16-0002 EA 65 Pint Per Day, 160 CFM, 8" Duct Connection, Refrigerant Dehumidifier.....	1,238.28	57.56
23 84 16 16-0003 EA 90 Pint Per Day, 235 CFM, 10"/6" Duct Connection, Refrigerant Dehumidifier	1,551.08	67.14
23 84 16 16-0004 EA 120 Pint Per Day, 350 CFM, 10"/6" Duct Connection, Refrigerant Dehumidifier	2,061.89	76.74
23 84 16 33 Portable Dehumidifiers <small>(23 84 16)</small>		
23 84 16 33-0001 Self Contained Free Standing Unit <small>(23 84 16 33)</small> Note: Sized by moisture removal per 24 hours.		
23 84 16 33-0002 EA 12 Pint/24 Hour Dehumidifier.....	515.82	124.34
23 84 16 33-0003 EA 15 Pint/24 Hour Dehumidifier.....	552.16	124.34
23 84 16 33-0004 EA 20 Pint/24 Hour Dehumidifier.....	617.58	124.34
23 84 16 33-0005 EA 30 Pint/24 Hour Dehumidifier.....	697.53	124.34
23 84 16 33-0006 EA 40 Pint/24 Hour Dehumidifier.....	733.87	124.34
23 84 16 33-0007 EA 65 Pint/24 Hour Dehumidifier.....	804.46	124.34

END OF SECTION 23

23 Heating, Ventilating, And Air-Conditioning (HVAC)

23 80 Decentralized Unitary HVAC Equipment

23 84 Humidity Control Equipment

MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 Electrical

Note: Termination costs are included with all electrical equipment, panel boards, fixtures and devices. Terminations are not included with patch panels.

26 01 Operation and Maintenance of Electrical Systems ⁽²⁶⁾

26 01 10 Operation And Maintenance Of Medium-Voltage Electrical Distribution ^(26 01)

26 01 10 91 Medium-Voltage Electrical Distribution Restoration ^(26 01 10)

26 01 10 91-0001	Retrofit Distribution Enclosures ^(26 01 10 91) Note: Includes removal of equipment housing, punch or drill hole for window, touch-up area, and reinstallation of equipment housing.		
26 01 10 91-0002	EA 2" Infrared Window Installed In Medium Voltage Equipment, NEMA Type 3/12 Rated (Flir IRW-2C)	299.31	
	Note: 2mm thick, aluminum frame, hinged cover.		
	<i>For Up To 20, Add</i>	58.90	
	<i>For >20 To 50, Add</i>	47.12	
	<i>For >50 To 100, Add</i>	23.56	
26 01 10 91-0003	EA 3" Infrared Window Installed In Medium Voltage Equipment, NEMA Type 3/12 Rated (Flir IRW-3C)	383.75	
	Note: 2mm thick, aluminum frame, hinged cover.		
	<i>For Up To 20, Add</i>	80.01	
	<i>For >20 To 50, Add</i>	64.01	
	<i>For >50 To 100, Add</i>	32.00	
26 01 10 91-0004	EA 4" Infrared Window Installed In Medium Voltage Equipment, NEMA Type 3/12 Rated (Flir IRW-4C)	569.52	
	Note: 4mm thick, aluminum frame, hinged cover.		
	<i>For Up To 20, Add</i>	126.45	
	<i>For >20 To 50, Add</i>	101.16	
	<i>For >50 To 100, Add</i>	50.58	
26 01 10 91-0005	EA 3" Infrared Window Installed In Medium Voltage Equipment, NEMA Type 1 Rated (Fluke CLKTO)	296.90	
	Note: 2mm thick, aluminum frame, twist cover.		
	<i>For Up To 20, Add</i>	58.30	
	<i>For >20 To 50, Add</i>	46.64	
	<i>For >50 To 100, Add</i>	23.32	
26 01 10 91-0006	EA 2" Infrared Window Installed In Medium Voltage Equipment, NEMA Type 3/12 Rated (Fluke CLKT-2)	298.39	
	Note: 2mm thick, aluminum frame, twist cover.		
	<i>For Up To 20, Add</i>	58.67	
	<i>For >20 To 50, Add</i>	46.93	
	<i>For >50 To 100, Add</i>	23.47	
26 01 10 91-0007	EA 3" Infrared Window Installed In Medium Voltage Equipment, NEMA Type 3/12 Rated (Fluke CLKT-3)	376.87	
	Note: 2mm thick, aluminum frame, twist cover.		
	<i>For Up To 20, Add</i>	78.29	
	<i>For >20 To 50, Add</i>	62.63	
	<i>For >50 To 100, Add</i>	31.32	
26 01 10 91-0008	EA 4" Infrared Window Installed In Medium Voltage Equipment, NEMA Type 3/12 Rated (Fluke CLKT-4)	554.25	
	Note: 4mm thick, aluminum frame, twist cover.		
	<i>For Up To 20, Add</i>	122.63	
	<i>For >20 To 50, Add</i>	98.11	
	<i>For >50 To 100, Add</i>	49.05	
26 01 10 91-0009	EA 2" Infrared Window Pane Installed In Medium Voltage Equipment, NEMA Type 4 Rated (Schneider Electric VPPR)	238.51	
	Note: 0.25mm thick, composite frame, metal grille reinforced polymer.		
	<i>For Up To 20, Add</i>	43.70	
	<i>For >20 To 50, Add</i>	34.96	
	<i>For >50 To 100, Add</i>	17.48	
26 01 10 91-0010	EA 3" Infrared Window Pane Installed In Medium Voltage Equipment, NEMA Type 4 Rated (Schneider Electric VPPR)	329.71	
	Note: 0.25mm thick, composite frame, metal grille reinforced polymer.		
	<i>For Up To 20, Add</i>	66.50	
	<i>For >20 To 50, Add</i>	53.20	
	<i>For >50 To 100, Add</i>	26.60	
26 01 10 91-0011	EA 4" Infrared Window Pane Installed In Medium Voltage Equipment, NEMA Type 4 Rated (Schneider Electric VPPR)	462.70	
	Note: 0.25mm thick, composite frame, metal grille reinforced polymer.		
	<i>For Up To 20, Add</i>	99.75	
	<i>For >20 To 50, Add</i>	79.80	
	<i>For >50 To 100, Add</i>	39.90	
26 01 10 91-0012	EA 2" Infrared Window Installed In Medium Voltage Equipment, Longwave, NEMA Type 4 Rated (Schneider Electric IRHVIR)	423.24	
	Note: 4mm thick, aluminum frame, magnetic cover.		
	<i>For Up To 20, Add</i>	89.88	
	<i>For >20 To 50, Add</i>	71.90	
	<i>For >50 To 100, Add</i>	35.95	
26 01 10 91-0013	EA 3" Infrared Window Installed In Medium Voltage Equipment, Longwave, NEMA Type 4 Rated (Schneider Electric IRHVIR)	575.81	
	Note: 4mm thick, aluminum frame, magnetic cover.		
	<i>For Up To 20, Add</i>	128.02	
	<i>For >20 To 50, Add</i>	102.42	
	<i>For >50 To 100, Add</i>	51.21	

26 Electrical**26 01 Operation and Maintenance of Electrical Systems****26 01 10 Operation And Maintenance Of Medium-Voltage Electrical Distribution**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 10 91-0014 EA 4" Infrared Window Installed In Medium Voltage Equipment, Longwave, NEMA Type 4 Rated (Schneider Electric IRHVIR).....	1,041.83	
Note: 4mm thick, aluminum frame, magnetic cover.		
For Up To 20, Add	244.53	
For >20 To 50, Add	195.62	
For >50 To 100, Add	97.81	
26 01 10 91-0015 EA 3" Infrared Window Installed In Medium Voltage Equipment, Shortwave, NEMA Type 4 Rated (Schneider Electric IRHVIR).....	483.88	
Note: 4mm thick, aluminum frame, magnetic cover.		
For Up To 20, Add	105.04	
For >20 To 50, Add	84.03	
For >50 To 100, Add	42.02	
26 01 10 91-0016 EA 4" Infrared Window Installed In Medium Voltage Equipment, Shortwave, NEMA Type 4 Rated (Schneider Electric IRHVIR).....	704.80	
Note: 4mm thick, aluminum frame, magnetic cover.		
For Up To 20, Add	160.27	
For >20 To 50, Add	128.22	
For >50 To 100, Add	64.11	

26 01 20 Operation and Maintenance of Low-Voltage Electrical Distribution (26 01)

26 01 20 91 Low-Voltage Electrical Distribution Restoration (26 01 20)

26 01 20 91-0001 Lock Out/Tag Out Devices <small>(26 01 20 91)</small>		
Note: Includes the installation and removal of device lock, pad lock and identifying markers. Includes following OSHA procedures and completing Owner's paperwork. Excludes circuit tracing.		
26 01 20 91-0002 EA Lock Out/Tag Out Local Disconnect	25.97	
26 01 20 91-0003 EA Lock Out/Tag Out Breaker Or Motor Starter	25.97	
26 01 20 91-0004 EA Lock Out/Tag Out Tags.....	2.93	
26 01 20 91-0005 Existing Circuit Tracing <small>(26 01 20 91)</small>		
26 01 20 91-0006 EA Motors, Disconnects And Other Single Source Devices, Existing Circuit Tracing Per Device	21.62	
26 01 20 91-0007 EA Lighting, Existing Circuit Tracing Per Circuit.....	21.62	

26 01 30 Operation And Maintenance Of Facility Electrical Power Generating And Storing Equipment (26 01)

26 01 30 91 Facility Electrical Power Generating And Storing Equipment Restoration (26 01 30)

26 01 30 91-0001 Emergency Generator Permits <small>(26 01 30 91)</small>		
26 01 30 91-0002 Air Pollution Control Board <small>(26 01 30 91-0001)</small>		
26 01 30 91-0003 EA APCD Permit To Construct And Operate Emergency Generator.....	2,452.66	

26 01 50 Operation and Maintenance of Lighting (26 01)

26 01 50 51 Luminaire Relamping (26 01 50)

26 01 50 51-0001 Replace Lamps In Existing Fixtures <small>(26 01 50 51)</small>		
Note: Includes removal of existing lamp from fixture and installation of new lamp. Excludes disposal of hazardous lamps. See CSI section 26 01 50 51-0142 for disposal of hazardous lamps.		
26 01 50 51-0002 Halogen Lamps <small>(26 01 50 51-0001)</small>		
26 01 50 51-0003 EA 300 Watt, T3, Tungsten Halogen Lamp	41.03	
26 01 50 51-0004 EA 500 Watt, T3, Tungsten Halogen Lamp	54.21	
26 01 50 51-0005 EA 1,000 Watt, T3, Tungsten Halogen Lamp	82.75	
26 01 50 51-0006 EA 60 Watt, PAR38, Halogen Lamp	17.52	
26 01 50 51-0007 EA 75 Watt, PAR38, Halogen Lamp	17.52	
26 01 50 51-0008 EA 90 Watt, PAR38, Halogen Lamp	16.35	
26 01 50 51-0009 EA 100 Watt, PAR38, Halogen Lamp	16.35	
26 01 50 51-0010 EA 60-67 Watt, PAR38, Halogen IR Reflective Lamp.....	26.34	
26 01 50 51-0011 EA 70 Watt, PAR38, Halogen IR Reflective Lamp.....	25.16	
26 01 50 51-0012 EA 90 Watt, PAR38, Halogen IR Reflective Lamp.....	31.03	
26 01 50 51-0013 EA 100 Watt, PAR38, Halogen IR Reflective Lamp.....	31.35	
26 01 50 51-0014 Incandescent Lamps <small>(26 01 50 51-0001)</small>		
26 01 50 51-0015 EA 100 Watt, Frosted, Interior Incandescent Lamp	3.84	
For Multiple Lamps In Fixture, Deduct	-1.04	
26 01 50 51-0016 EA 150 Watt, Frosted, Interior Incandescent Lamp	5.35	
For Multiple Lamps In Fixture, Deduct	-1.04	
26 01 50 51-0017 EA 200 Watt, Frosted, Interior Incandescent Lamp	7.03	
For Multiple Lamps In Fixture, Deduct	-1.04	
26 01 50 51-0018 EA 300 Watt, PS25, Interior Incandescent Lamp	9.13	
For Multiple Lamps In Fixture, Deduct	-1.04	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 51-0019 EA 60 Watt, G25, Clear, Interior Incandescent Lamp.....	6.30	
<i>For Multiple Lamps In Fixture, Deduct</i>	-1.04	
26 01 50 51-0020 EA 75 Watt, R20, Interior Incandescent Lamp	10.80	
<i>For Multiple Lamps In Fixture, Deduct</i>	-1.24	
26 01 50 51-0021 EA 75 Watt, PAR38, Exterior Incandescent Lamp.....	13.75	
<i>For Multiple Lamps In Fixture, Deduct</i>	-1.24	
26 01 50 51-0022 EA 100 Watt, PAR38, Exterior Incandescent Lamp.....	12.58	
<i>For Multiple Lamps In Fixture, Deduct</i>	-1.24	
26 01 50 51-0023 EA 150 Watt, PAR38, Exterior Incandescent Lamp.....	23.74	
<i>For Multiple Lamps In Fixture, Deduct</i>	-1.24	
26 01 50 51-0024 EA 250 Watt, PAR38, Exterior Incandescent Lamp.....	51.42	
<i>For Multiple Lamps In Fixture, Deduct</i>	-1.45	
26 01 50 51-0025 EA 300 Watt, PAR56, Exterior Incandescent Lamp.....	59.61	
<i>For Multiple Lamps In Fixture, Deduct</i>	-1.45	
26 01 50 51-0026 Exit Light Lamps <small>(26 01 50 51-0001)</small>		
26 01 50 51-0027 EA Convert Exit Light Lamps To Red LED Lamps	68.22	
<i>For Green LED Lamps, Add</i>	25.00	
26 01 50 51-0028 EA Fluorescent Lamp For Exit Light.....	19.95	
<i>For Multiple Lamps In Fixture, Deduct</i>	-4.14	
26 01 50 51-0029 EA Lamp Replacement For Emergency Lights On Exit Sign.....	33.01	
<i>For Multiple Lamps In Fixture, Deduct</i>	-2.07	
26 01 50 51-0030 Fluorescent Lamps <small>(26 01 50 51-0001)</small>		
26 01 50 51-0031 EA 18", 15 Watt, T8 Fluorescent Lamp	6.56	
<i>For Multiple Lamps In Fixture, Deduct</i>	-1.66	
26 01 50 51-0032 EA 2', 17 Watt, T8 Fluorescent Lamp	7.89	
<i>For Multiple Lamps In Fixture, Deduct</i>	-1.66	
26 01 50 51-0033 EA 3', 25 Watt, T8 Fluorescent Lamp	9.07	
<i>For Multiple Lamps In Fixture, Deduct</i>	-1.87	
26 01 50 51-0034 EA 4', 32 Watt, T8 Fluorescent Lamp	10.45	
<i>For Multiple Lamps In Fixture, Deduct</i>	-1.87	
26 01 50 51-0035 EA 4', 30 Watt, T8 Fluorescent Lamp	11.35	
<i>For Multiple Lamps In Fixture, Deduct</i>	-1.87	
26 01 50 51-0036 EA 4', 28 Watt, T8 Fluorescent Lamp	9.96	
<i>For Multiple Lamps In Fixture, Deduct</i>	-1.87	
26 01 50 51-0037 EA 4', 25 Watt, T8 Fluorescent Lamp	9.90	
<i>For Multiple Lamps In Fixture, Deduct</i>	-1.87	
26 01 50 51-0038 EA 4', 44 Watt, T8HO Fluorescent Lamp.....	15.90	
<i>For Multiple Lamps In Fixture, Deduct</i>	-1.87	
26 01 50 51-0039 EA 8', 59 Watt, T8 Fluorescent Lamp	12.14	
<i>For Multiple Lamps In Fixture, Deduct</i>	-1.87	
26 01 50 51-0040 EA 18", 15 Watt, T12 Fluorescent Lamp	9.91	
<i>For Multiple Lamps In Fixture, Deduct</i>	-1.66	
26 01 50 51-0041 EA 2', 20 Watt, T12 Fluorescent Lamp.....	7.51	
<i>For Multiple Lamps In Fixture, Deduct</i>	-1.66	
26 01 50 51-0042 EA 3', 30 Watt, T12 Fluorescent Lamp	8.44	
<i>For Multiple Lamps In Fixture, Deduct</i>	-1.87	
26 01 50 51-0043 EA 4', 34 Watt, T12 Fluorescent Lamp	8.48	
<i>For Multiple Lamps In Fixture, Deduct</i>	-1.87	
26 01 50 51-0044 EA 4', 40 Watt, T12 Fluorescent Lamp	8.30	
<i>For Multiple Lamps In Fixture, Deduct</i>	-1.87	
26 01 50 51-0045 EA 8', 60 Watt, T12 Fluorescent Lamp	12.44	
<i>For Multiple Lamps In Fixture, Deduct</i>	-1.87	
26 01 50 51-0046 EA 8', 75 Watt, T12 Fluorescent Lamp	10.51	
<i>For Multiple Lamps In Fixture, Deduct</i>	-1.87	
26 01 50 51-0047 EA 8', 95 Watt, Instant Start T12 Fluorescent Lamp.....	17.78	
26 01 50 51-0048 EA 6" Diameter, 20 Watt, Circular T9 Fluorescent Lamp.....	10.03	
<i>For Multiple Lamps In Fixture, Deduct</i>	-1.66	
26 01 50 51-0049 EA 8" Diameter, 22 Watt, Circular T9 Fluorescent Lamp.....	8.25	
<i>For Multiple Lamps In Fixture, Deduct</i>	-1.66	
26 01 50 51-0050 EA 12" Diameter, 32 Watt, Circular T9 Fluorescent Lamp.....	7.98	
<i>For Multiple Lamps In Fixture, Deduct</i>	-1.66	
26 01 50 51-0051 EA 16" Diameter, 40 Watt, Circular T9 Fluorescent Lamp.....	8.83	
<i>For Multiple Lamps In Fixture, Deduct</i>	-1.66	
26 01 50 51-0052 EA 32 Watt, Rapid Start, U-Shaped T8 Fluorescent Lamp.....	14.57	
<i>For Multiple Lamps In Fixture, Deduct</i>	-2.07	
26 01 50 51-0053 EA 40 Watt, Rapid Start, U-Shaped T12 Fluorescent Lamp.....	14.05	
<i>For Multiple Lamps In Fixture, Deduct</i>	-2.07	
26 01 50 51-0054 EA 6", 4 Watt, T5 Fluorescent Lamp	7.28	
<i>For Multiple Lamps In Fixture, Deduct</i>	-1.66	
26 01 50 51-0055 EA 9", 6 Watt, T5 Fluorescent Lamp	7.16	
<i>For Multiple Lamps In Fixture, Deduct</i>	-1.66	
26 01 50 51-0056 EA 12", 8 Watt, T5 Fluorescent Lamp	7.39	
<i>For Multiple Lamps In Fixture, Deduct</i>	-1.66	
26 01 50 51-0057 EA 21", 13 Watt, T5 Fluorescent Lamp	7.73	
<i>For Multiple Lamps In Fixture, Deduct</i>	-1.66	
26 01 50 51-0058 EA 24", 14 Watt, T5 Fluorescent Lamp	8.90	
<i>For Multiple Lamps In Fixture, Deduct</i>	-1.66	
26 01 50 51-0059 EA 34", 21 Watt, T5 Fluorescent Lamp	9.69	
<i>For Multiple Lamps In Fixture, Deduct</i>	-1.87	

26 Electrical**26 01 Operation and Maintenance of Electrical Systems****26 01 50 Operation and Maintenance of Lighting**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 51-0060 EA 46", 28 Watt, T5 Fluorescent Lamp .....9.38 <i>For Multiple Lamps In Fixture, Deduct</i> -1.87		
26 01 50 51-0061 EA 46", 54 Watt T5HO Fluorescent Lamp .....10.26 <i>For Multiple Lamps In Fixture, Deduct</i> -1.87		
26 01 50 51-0062 EA 46", 54 Watt T5 Fluorescent Lamp .....11.50		
26 01 50 51-0063 EA 5-13 Watt, 2-Pin Compact Fluorescent Lamp .....5.76 <i>For Multiple Lamps In Fixture, Deduct</i> -1.04		
26 01 50 51-0064 EA 9-26 Watt, 4-Pin Compact Fluorescent Lamp .....6.37 <i>For Multiple Lamps In Fixture, Deduct</i> -1.04		
26 01 50 51-0065 EA 27-55 Watt, 4-Pin Compact Fluorescent Lamp .....13.09 <i>For Multiple Lamps In Fixture, Deduct</i> -1.04		
26 01 50 51-0066 EA Compact Fluorescent 13 Watt, 4-Pin Lamps CF13DD/E/827, Dulux .....17.05		
26 01 50 51-0067 EA Compact Fluorescent 18 Watt, 4-Pin Lamps CF18DD/E/827, Dulux .....17.05		
26 01 50 51-0068 EA 32 Watt 2D (DoubleD) Fluorescent Lamp, 4-Pin .....32.14		
26 01 50 51-0069 EA 26 Watt (1,600 Lumens) 4-pin Quad Tube PL Lamp .....11.66		
26 01 50 51-0070 EA 9-27 Watt Spiral Compact Fluorescent Lamps, Screw-In .....6.03		
26 01 50 51-0071 EA 29-32 Watt Spiral Compact Fluorescent Lamps, Screw-In .....6.03		
26 01 50 51-0072 EA 33-42 Watt Spiral Compact Fluorescent Lamps, Screw-In .....30.55		
26 01 50 51-0073 EA 43-65 Watt Spiral Compact Fluorescent Lamps, Screw-In .....33.45		
26 01 50 51-0074 EA 85 Watt Spiral Compact Fluorescent Lamps, Screw-In .....64.94		
26 01 50 51-0075 EA 105 Watt Spiral Compact Fluorescent Lamps, Screw-In .....78.06		
26 01 50 51-0076 EA 11 Watt Compact Fluorescent Reflector Lamps, Screw-In .....28.13		
26 01 50 51-0077 EA 15 Watt Compact Fluorescent Reflector Lamps, Screw-In .....29.41		
26 01 50 51-0078 EA 20-28 Watt Compact Fluorescent Reflector Lamps, Screw-In .....34.22		
26 01 50 51-0079 Metal Halide Lamps (26 01 50 51-0001)		
26 01 50 51-0080 EA 50 Watt, Pulse Start Metal Halide Lamp .....23.47		
26 01 50 51-0081 EA 70 Watt, Pulse Start Metal Halide Lamp .....23.47		
26 01 50 51-0082 EA 100 Watt, Pulse Start Metal Halide Lamp .....27.12		
26 01 50 51-0083 EA 150 Watt, Pulse Start Metal Halide Lamp .....30.12		
26 01 50 51-0084 EA 175 Watt, Probe Start Metal Halide Lamp .....23.29		
26 01 50 51-0085 EA 175 Watt, Pulse Start Metal Halide Lamp .....34.68		
26 01 50 51-0086 EA 250 Watt, Probe Start Metal Halide Lamp .....22.81		
26 01 50 51-0087 EA 250 Watt, Pulse Start Metal Halide Lamp .....25.58		
26 01 50 51-0088 EA 400 Watt, Probe Start Metal Halide Lamp .....27.69		
26 01 50 51-0089 EA 400 Watt, Pulse Start Metal Halide Lamp .....28.50		
26 01 50 51-0090 EA 1,000 Watt, Probe Start Metal Halide Lamp .....29.40		
26 01 50 51-0091 EA 1,000 Watt, Pulse Start Metal Halide Lamp .....43.41		
26 01 50 51-0092 EA 1,500 Watt, Probe Start Metal Halide Lamp .....37.99		
26 01 50 51-0093 High Pressure Sodium Lamps (26 01 50 51-0001)		
26 01 50 51-0094 EA 35 Watt, High Pressure Sodium Lamp .....20.67 <i>For Enclosed And Gasket Light Fixtures, Add</i> 1.60		
26 01 50 51-0095 EA 50 Watt, High Pressure Sodium Lamp .....20.67 <i>For Enclosed And Gasket Light Fixtures, Add</i> 1.60		
26 01 50 51-0096 EA 70 Watt, High Pressure Sodium Lamp .....21.13 <i>For Enclosed And Gasket Light Fixtures, Add</i> 1.60		
26 01 50 51-0097 EA 100 Watt, High Pressure Sodium Lamp .....22.01 <i>For Enclosed And Gasket Light Fixtures, Add</i> 1.60		
26 01 50 51-0098 EA 150 Watt, High Pressure Sodium Lamp .....21.13 <i>For Enclosed And Gasket Light Fixtures, Add</i> 1.60		
26 01 50 51-0099 EA 250 Watt, High Pressure Sodium Lamp .....21.13 <i>For Enclosed And Gasket Light Fixtures, Add</i> 1.60		
26 01 50 51-0100 EA 400 Watt, High Pressure Sodium Lamp .....19.82 <i>For Enclosed And Gasket Light Fixtures, Add</i> 1.60		
26 01 50 51-0101 EA 1,000 Watt, High Pressure Sodium Lamp .....45.93		
26 01 50 51-0102 Low Pressure Sodium Lamps (26 01 50 51-0001)		
26 01 50 51-0103 EA 35 Watt, Low Pressure Sodium Lamp .....52.99		
26 01 50 51-0104 EA 55 Watt, Low Pressure Sodium Lamp .....59.14		
26 01 50 51-0105 EA 70 Watt, Low Pressure Sodium Lamp .....60.52		
26 01 50 51-0106 EA 90 Watt, Low Pressure Sodium Lamp .....61.91		
26 01 50 51-0107 EA 135 Watt, Low Pressure Sodium Lamp .....67.45		
26 01 50 51-0108 EA 180 Watt, Low Pressure Sodium Lamp .....92.39		
26 01 50 51-0109 LED Lamps (26 01 50 51-0001)		
26 01 50 51-0110 EA 3 Watt (25 Watt Incandescent Equivalent), Candelabra Base, CA10, Dimmable LED Lamp (Energy Star) .....8.76		
26 01 50 51-0111 EA 6 Watt (40 Watt Incandescent Equivalent), Medium Base, A19, Dimmable LED Lamp (Energy Star) .....11.74		
26 01 50 51-0112 EA 11 Watt (60 Watt Incandescent Equivalent), Medium Base, A19, Dimmable LED Lamp (Energy Star) .....11.74		
26 01 50 51-0113 EA 14 Watt (75 Watt Incandescent Equivalent), Medium Base, A19, Dimmable LED Lamp (Energy Star) .....19.74		
26 01 50 51-0114 EA 17 Watt (75 Watt Incandescent Equivalent), Medium Base, A21, Dimmable LED Lamp (Energy Star) .....13.76		
26 01 50 51-0115 EA 18 Watt (100 Watt Incandescent Equivalent), Medium Base, A21, Dimmable LED Lamp (Energy Star) .....24.74		
26 01 50 51-0116 EA 9.5 Watt (65 Watt Incandescent Equivalent), Medium Base, BR30, Dimmable LED Lamp (Energy Star) .....15.84		
26 01 50 51-0117 EA 14 Watt (85 Watt Incandescent Equivalent), Medium Base, BR30, Dimmable LED Lamp (Energy Star) .....14.15		
26 01 50 51-0118 EA 11 Watt (65 Watt Incandescent Equivalent), Medium Base, BR40, Dimmable LED Lamp (Energy Star) .....18.64		
26 01 50 51-0119 EA 14.5 Watt (75 Watt Incandescent Equivalent), Medium Base, BR40, Dimmable LED Lamp (Energy Star) .....15.65		
26 01 50 51-0120 EA 14 Watt (85 Watt Incandescent Equivalent), Medium Base, BR40, Dimmable LED Lamp (Energy Star) .....20.64		



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
				26 01 50 51-0121 EA 18 Watt (90 Watt Incandescent Equivalent), Medium Base, BR40, Dimmable LED Lamp (Energy Star).....	15.65	
				26 01 50 51-0122 EA 7 Watt (45 Watt Halogen Equivalent), Medium Base, PAR20, Dimmable LED Lamp (Energy Star)	17.44	
				26 01 50 51-0123 EA 12 Watt (60 Watt Halogen Equivalent), Medium Base, Short Neck Par30, Dimmable LED Lamp (Energy Star)	23.65	
				26 01 50 51-0124 EA 16.3 Watt (65 Watt Halogen Equivalent), Medium Base, Short Neck PAR30, Dimmable LED Lamp (Energy Star).....	23.65	
				26 01 50 51-0125 EA 15.6 Watt (70 Watt Halogen Equivalent), Medium Base, Short Neck PAR30, Dimmable LED Lamp (Energy Star).....	22.65	
				26 01 50 51-0126 EA 12 Watt (50 Watt Halogen Equivalent), Medium Base, Short Neck PAR30, Dimmable LED Lamp (Energy Star).....	21.65	
				26 01 50 51-0127 EA 15 Watt (75 Watt Halogen Equivalent), Medium Base, Long Neck PAR30, Dimmable LED Lamp (Energy Star)	21.65	
				26 01 50 51-0128 EA 18 Watt (90 Watt Halogen Equivalent), Medium Base, Long Neck PAR30, Dimmable LED Lamp (Energy Star)	41.85	
				26 01 50 51-0129 EA 15 Watt (75 Watt Halogen Equivalent), Medium Base, PAR38, Dimmable LED Lamp (Energy Star)	23.65	
				26 01 50 51-0130 EA 18 Watt (90 Watt Halogen Equivalent), Medium Base, PAR38, Dimmable LED Lamp (Energy Star)	22.65	
				26 01 50 51-0131 EA 19 Watt (120 Watt Halogen Equivalent), Medium Base, Par38, Dimmable LED Lamp (Energy Star)	23.65	
				26 01 50 51-0132 EA 24 Watt (120 Watt Halogen Equivalent), Medium Base, PAR38, Dimmable LED Lamp (Energy Star)	23.65	
				26 01 50 51-0133 EA 4 Watt (20 Watt Halogen Equivalent), GU5.3 Base, MR16, LED Lamp (Energy Star).....	12.15	
				26 01 50 51-0134 EA 6 Watt (30 Watt Halogen Equivalent), GU10 Base, MR16, Dimmable LED Lamp (Energy Star).....	15.84	
				26 01 50 51-0135 EA 8 Watt (50 Watt Halogen Equivalent), GU5.3 Base, MR16, Dimmable LED Lamp (Energy Star).....	17.44	
				26 01 50 51-0136 LED Tubes (Fluorescent Lamp Replacement) (26 01 50 51-0001)		
				26 01 50 51-0137 EA 2', 1,250 Lumens, LED Tube (T8 Fluorescent Lamp Replacement) (Remphos RPT-TOTALTUBEG2-T8-24IN-4000K).....	21.04	
				<i>For Multiple Lamps In Fixture, Deduct</i>	-1.66	
				26 01 50 51-0138 EA 2', 1,900 Lumens, LED Tube (T8 Fluorescent Lamp Replacement) (Remphos RPT-TOTALTUBEG2-T8-24INU-4000K).....	27.34	
				<i>For Multiple Lamps In Fixture, Deduct</i>	-1.66	
				26 01 50 51-0139 EA 3', 1,900 Lumens, LED Tube (T8 Fluorescent Lamp Replacement) (Remphos RPT-TOTALTUBEG2-T8-36IN-4000K).....	22.98	
				<i>For Multiple Lamps In Fixture, Deduct</i>	-1.87	
				26 01 50 51-0140 EA 4', 1,900 Lumens, LED Tube (T8 Fluorescent Lamp Replacement) (Remphos RPT-TOTALTUBEG2-T8-48IN-4000K).....	24.82	
				<i>For Multiple Lamps In Fixture, Deduct</i>	-1.87	
				26 01 50 51-0141 EA 4', 2,200 Lumens, LED Tube (T8 Fluorescent Lamp Replacement) (Remphos RPT-TOTALTUBEG2HO-T8-48IN-4000K).....	27.18	
				<i>For Multiple Lamps In Fixture, Deduct</i>	-1.87	
				26 01 50 51-0142 Recycle Hazardous Lamps (26 01 50 51)		
				Note: Includes containers, shipping costs and recycling fees. Excludes lamp removal. See CSI section 01 22 23 00-0001 for work over 14' to add appropriate aerial lift.		
				26 01 50 51-0143 EA Recycle 2' Length Linear Fluorescent Lamps	0.23	
				26 01 50 51-0144 EA Recycle 3' Length Linear Fluorescent Lamps	0.35	
				26 01 50 51-0145 EA Recycle 4' Length Linear Fluorescent Lamps	0.47	
				26 01 50 51-0146 EA Recycle 6' Length Linear Fluorescent Lamps	0.70	
				26 01 50 51-0147 EA Recycle 8' Length Linear Fluorescent Lamps	0.94	
				26 01 50 51-0148 EA Recycle Compact Fluorescent Lamps	0.42	
				26 01 50 51-0149 EA Recycle U-Shaped Or Circular Fluorescent Lamps	0.42	
				26 01 50 51-0150 EA Recycle High Intensity Discharge (HID) Lamps	1.47	
				26 01 50 52 Ballasts And Accessories (26 01 50)		
				26 01 50 52-0001 Owner Supplied Ballasts (26 01 50 52)		
				26 01 50 52-0002 EA Install Owner Supplied, 1 Lamp Fluorescent Ballast.....	12.56	
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.77	
				26 01 50 52-0003 EA Install Owner Supplied, 2 Lamp Fluorescent Ballast.....	15.71	
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.71	
				26 01 50 52-0004 EA Install Owner Supplied, 3 Lamp Fluorescent Ballast.....	18.22	
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.47	
				26 01 50 52-0005 EA Install Owner Supplied, 4 Lamp Fluorescent Ballast.....	19.48	
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.84	
				26 01 50 52-0006 EA Install Owner Supplied, 1 Lamp High Intensity Discharge (HID) Ballast.....	21.99	
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.60	
				26 01 50 52-0007 EA Install Owner Supplied, 2 Lamp High Intensity Discharge (HID) Ballast.....	23.25	
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.98	
				26 01 50 52-0008 High Intensity Discharge (HID) Ballasts (26 01 50 52)		
				26 01 50 52-0009 Magnetic High Intensity Discharge (HID) Ballasts (26 01 50 52-0008)		
				26 01 50 52-0010 Core And Coil High Intensity Discharge (HID) Ballasts (26 01 50 52-0009)		
				26 01 50 52-0011 Metal Halide, Core And Coil High Intensity Discharge (HID) Ballasts (26 01 50 52-0010)		
				26 01 50 52-0012 EA 1 Lamp, 100 Watt Metal Halide, 120/277 Volt, Core And Coil High Intensity Discharge (HID) Ballast	95.59	15.71
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.60	
				26 01 50 52-0013 EA 1 Lamp, 250 Watt Metal Halide, 120/277 Volt, Core And Coil High Intensity Discharge (HID) Ballast	97.97	15.71
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.60	
				26 01 50 52-0014 EA 1 Lamp, 250 Watt Metal Halide, 480 Volt, Core And Coil High Intensity Discharge (HID) Ballast	97.97	15.71
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.60	
				26 01 50 52-0015 EA 1 Lamp, 400 Watt Metal Halide, 120/277 Volt, Core And Coil High Intensity Discharge (HID) Ballast	87.27	15.71
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.60	
				26 01 50 52-0016 EA 1 Lamp, 400 Watt Metal Halide, 480 Volt, Core And Coil High Intensity Discharge (HID) Ballast	87.27	15.71
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.60	

26 Electrical**26 01 Operation and Maintenance of Electrical Systems****26 01 50 Operation and Maintenance of Lighting**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 52-0017	EA		1 Lamp, 1,000 Watt Metal Halide, 120/277 Volt, Core And Coil High Intensity Discharge (HID) Ballast.....	136.60	15.71
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.60	
26 01 50 52-0018	EA		1 Lamp, 1,000 Watt Metal Halide, 480 Volt, Core And Coil High Intensity Discharge (HID) Ballast	136.60	15.71
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.60	
26 01 50 52-0019	EA		1 Lamp, 1,500 Watt Metal Halide, 120/277 Volt, Core And Coil High Intensity Discharge (HID) Ballast.....	176.60	15.71
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.60	
26 01 50 52-0020	EA		1 Lamp, 1,500 Watt Metal Halide, 480 Volt, Core And Coil High Intensity Discharge (HID) Ballast	197.00	15.71
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.60	
26 01 50 52-0021			High Pressure Sodium, Core And Coil High Intensity Discharge (HID) Ballasts <small>(26 01 50 52-0010)</small>		
26 01 50 52-0022	EA		1 Lamp, 50 Watt High Pressure Sodium, 120/277 Volt, Core And Coil High Intensity Discharge (HID) Ballast.....	86.18	15.71
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.60	
26 01 50 52-0023	EA		1 Lamp, 70 Watt High Pressure Sodium, 120/277 Volt, Core And Coil High Intensity Discharge (HID) Ballast.....	91.50	15.71
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.60	
26 01 50 52-0024	EA		1 Lamp, 100 Watt High Pressure Sodium, 120/277 Volt, Core And Coil High Intensity Discharge (HID) Ballast.....	89.21	15.71
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.60	
26 01 50 52-0025	EA		1 Lamp, 150 Watt High Pressure Sodium, 120/277 Volt, Core And Coil High Intensity Discharge (HID) Ballast.....	105.20	15.71
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.60	
26 01 50 52-0026	EA		1 Lamp, 150 Watt High Pressure Sodium, 480 Volt, Core And Coil High Intensity Discharge (HID) Ballast.....	102.92	15.71
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.60	
26 01 50 52-0027	EA		1 Lamp, 250 Watt High Pressure Sodium, 120/277 Volt, Core And Coil High Intensity Discharge (HID) Ballast.....	117.76	15.71
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.60	
26 01 50 52-0028	EA		1 Lamp, 250 Watt High Pressure Sodium, 480 Volt, Core And Coil High Intensity Discharge (HID) Ballast.....	117.76	15.71
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.60	
26 01 50 52-0029	EA		1 Lamp, 400 Watt High Pressure Sodium, 120/277 Volt, Core And Coil High Intensity Discharge (HID) Ballast.....	142.45	15.71
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.60	
26 01 50 52-0030	EA		1 Lamp, 400 Watt High Pressure Sodium, 480 Volt, Core And Coil High Intensity Discharge (HID) Ballast.....	142.45	15.71
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.60	
26 01 50 52-0031	EA		1 Lamp, 1,000 Watt High Pressure Sodium, 120/277 Volt, Core And Coil High Intensity Discharge (HID) Ballast.....	229.07	15.71
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.60	
26 01 50 52-0032	EA		1 Lamp, 1,000 Watt High Pressure Sodium, 480 Volt, Core And Coil High Intensity Discharge (HID) Ballast.....	229.07	15.71
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.60	
26 01 50 52-0033			Mounting Brackets For Core And Coil High Intensity Discharge (HID) Ballasts <small>(26 01 50 52-0010)</small>		
26 01 50 52-0034	EA		Single Mounting Bracket For Core And Coil Type	9.32	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1.88	
26 01 50 52-0035	EA		Double Mounting Bracket For Core And Coil Type	15.55	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.83	
26 01 50 52-0036			F-Can High Intensity Discharge (HID) Ballasts <small>(26 01 50 52-0009)</small>		
26 01 50 52-0037			Metal Halide, F-Can High Intensity Discharge (HID) Ballasts <small>(26 01 50 52-0036)</small>		
26 01 50 52-0038	EA		1 Lamp, 70 Watt Metal Halide, 120/277 Volt, F-Can High Intensity Discharge (HID) Ballast.....	121.80	15.71
			<i>For Pulse Start Ballast, Add</i>	9.98	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.60	
26 01 50 52-0039	EA		1 Lamp, 100 Watt Metal Halide, 120/277 Volt, F-Can High Intensity Discharge (HID) Ballast.....	128.40	15.71
			<i>For Pulse Start Ballast, Add</i>	10.64	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.60	
26 01 50 52-0040	EA		1 Lamp, 175 Watt Metal Halide, 120/277 Volt, F-Can High Intensity Discharge (HID) Ballast.....	116.80	15.71
			<i>For Pulse Start Ballast, Add</i>	9.48	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.60	
26 01 50 52-0041	EA		1 Lamp, 250 Watt Metal Halide, 120/277 Volt, F-Can High Intensity Discharge (HID) Ballast.....	135.87	15.71
			<i>For Pulse Start Ballast, Add</i>	11.39	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.60	
26 01 50 52-0042	EA		1 Lamp, 400 Watt Metal Halide, 120/277 Volt, F-Can High Intensity Discharge (HID) Ballast.....	189.29	15.71
			<i>For Pulse Start Ballast, Add</i>	16.73	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.60	
26 01 50 52-0043			High Pressure Sodium, F-Can High Intensity Discharge (HID) Ballasts <small>(26 01 50 52-0036)</small>		
26 01 50 52-0044	EA		1 Lamp, 70 Watt High Pressure Sodium, 120/277 Volt, F-Can High Intensity Discharge (HID) Ballast.....	146.82	15.71
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.60	
26 01 50 52-0045	EA		1 Lamp, 100 Watt High Pressure Sodium, 120/277 Volt, F-Can High Intensity Discharge (HID) Ballast.....	157.11	15.71
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.60	
26 01 50 52-0046			Postline High Intensity Discharge (HID) Ballasts <small>(26 01 50 52-0009)</small>		
26 01 50 52-0047			Metal Halide, Postline High Intensity Discharge (HID) Ballasts <small>(26 01 50 52-0046)</small>		
26 01 50 52-0048	EA		1 Lamp, 50 Watt Metal Halide, 120 Volt, Postline High Intensity Discharge (HID) Ballast.....	245.48	15.71
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.60	
26 01 50 52-0049			High Pressure Sodium, Postline High Intensity Discharge (HID) Ballasts <small>(26 01 50 52-0046)</small>		
26 01 50 52-0050	EA		1 Lamp, 70 Watt High Pressure Sodium, 120 Volt, Postline High Intensity Discharge (HID) Ballast.....	393.52	25.97
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.91	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 52-0051 EA 1 Lamp, 100 Watt High Pressure Sodium, 120 Volt, Postline High Intensity Discharge (HID) Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	437.39 10.91	25.97
26 01 50 52-0052 EA 1 Lamp, 150 Watt High Pressure Sodium, 120 Volt, Postline High Intensity Discharge (HID) Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	422.21 10.91	25.97
26 01 50 52-0053 Indoor Enclosed High Intensity Discharge (HID) Ballasts <small>(26 01 50 52-0009)</small>		
26 01 50 52-0054 Metal Halide, Indoor Enclosed High Intensity Discharge (HID) Ballasts <small>(26 01 50 52-0053)</small>		
26 01 50 52-0055 EA 1 Lamp, 175 Watt Metal Halide, 120/277 Volt, Indoor Enclosed High Intensity Discharge (HID) Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	302.63 6.60	15.71
26 01 50 52-0056 EA 1 Lamp, 250 Watt Metal Halide, 120/277 Volt, Indoor Enclosed High Intensity Discharge (HID) Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	343.71 6.60	15.71
26 01 50 52-0057 EA 1 Lamp, 400 Watt Metal Halide, 120/277 Volt, Indoor Enclosed High Intensity Discharge (HID) Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	454.50 6.60	15.71
26 01 50 52-0058 EA 1 Lamp, 400 Watt Metal Halide, 480 Volt, Indoor Enclosed High Intensity Discharge (HID) Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	452.11 6.60	15.71
26 01 50 52-0059 EA 2 Lamp, 400 Watt Metal Halide, 120/277 Volt, Indoor Enclosed High Intensity Discharge (HID) Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	634.02 6.98	16.97
26 01 50 52-0060 EA 2 Lamp, 400 Watt Metal Halide, 480 Volt, Indoor Enclosed High Intensity Discharge (HID) Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	634.02 6.98	16.97
26 01 50 52-0061 EA 1 Lamp, 1,000 Watt Metal Halide, 120/277 Volt, Indoor Enclosed High Intensity Discharge (HID) Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	435.81 6.60	15.71
26 01 50 52-0062 EA 1 Lamp, 1,000 Watt Metal Halide, 480 Volt, Indoor Enclosed High Intensity Discharge (HID) Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	513.02 6.60	15.71
26 01 50 52-0063 High Pressure Sodium, Indoor Enclosed High Intensity Discharge (HID) Ballasts <small>(26 01 50 52-0053)</small>		
26 01 50 52-0064 EA 1 Lamp, 400 Watt High Pressure Sodium, 120/277 Volt, Indoor Enclosed High Intensity Discharge (HID) Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	566.12 6.60	15.71
26 01 50 52-0065 EA 1 Lamp, 400 Watt High Pressure Sodium, 480 Volt, Indoor Enclosed High Intensity Discharge (HID) Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	538.91 6.60	15.71
26 01 50 52-0066 EA 1 Lamp, 1,000 Watt High Pressure Sodium, 120/277 Volt, Indoor Enclosed High Intensity Discharge (HID) Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	693.19 6.60	15.71
26 01 50 52-0067 EA 1 Lamp, 1,000 Watt High Pressure Sodium, 480 Volt, Indoor Enclosed High Intensity Discharge (HID) Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	693.19 6.60	15.71
26 01 50 52-0068 Outdoor Weatherproof High Intensity Discharge (HID) Ballasts <small>(26 01 50 52-0009)</small>		
26 01 50 52-0069 Metal Halide, Outdoor Weatherproof High Intensity Discharge (HID) Ballasts <small>(26 01 50 52-0068)</small>		
26 01 50 52-0070 EA 1 Lamp, 175 Watt Metal Halide, 120/277 Volt, Outdoor Weatherproof High Intensity Discharge (HID) Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	340.27 6.60	15.71
26 01 50 52-0071 EA 1 Lamp, 250 Watt Metal Halide, 120/277 Volt, Outdoor Weatherproof High Intensity Discharge (HID) Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	367.69 6.60	15.71
26 01 50 52-0072 EA 1 Lamp, 400 Watt Metal Halide, 120/277 Volt, Outdoor Weatherproof High Intensity Discharge (HID) Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	364.99 6.60	15.71
26 01 50 52-0073 EA 1 Lamp, 400 Watt Metal Halide, 480 Volt, Outdoor Weatherproof High Intensity Discharge (HID) Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	383.36 6.60	15.71
26 01 50 52-0074 EA 2 Lamp, 400 Watt Metal Halide, 120/277 Volt, Outdoor Weatherproof High Intensity Discharge (HID) Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	610.06 6.98	16.97
26 01 50 52-0075 EA 2 Lamp, 400 Watt Metal Halide, 480 Volt, Outdoor Weatherproof High Intensity Discharge (HID) Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	750.33 6.98	16.97
26 01 50 52-0076 EA 1 Lamp, 1,000 Watt Metal Halide, 120/277 Volt, Outdoor Weatherproof High Intensity Discharge (HID) Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	569.31 6.60	15.71
26 01 50 52-0077 EA 1 Lamp, 1,000 Watt Metal Halide, 480 Volt, Outdoor Weatherproof High Intensity Discharge (HID) Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	518.16 6.60	15.71
26 01 50 52-0078 High Pressure Sodium, Outdoor Weatherproof High Intensity Discharge (HID) Ballasts <small>(26 01 50 52-0068)</small>		
26 01 50 52-0079 EA 1 Lamp, 400 Watt High Pressure Sodium, 120/277 Volt, Outdoor Weatherproof High Intensity Discharge (HID) Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	439.76 6.60	15.71
26 01 50 52-0080 EA 1 Lamp, 400 Watt High Pressure Sodium, 480 Volt, Outdoor Weatherproof High Intensity Discharge (HID) Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	474.35 6.60	15.71
26 01 50 52-0081 EA 1 Lamp, 1,000 Watt High Pressure Sodium, 120/277 Volt, Outdoor Weatherproof High Intensity Discharge (HID) Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	709.16 6.60	15.71
26 01 50 52-0082 EA 1 Lamp, 1,000 Watt High Pressure Sodium, 480 Volt, Outdoor Weatherproof High Intensity Discharge (HID) Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	609.95 6.60	15.71
26 01 50 52-0083 Electronic High Intensity Discharge (HID) Ballasts <small>(26 01 50 52-0008)</small>		
26 01 50 52-0084 Electronic Low Frequency High Intensity Discharge (HID) Ballasts <small>(26 01 50 52-0083)</small>		
26 01 50 52-0085 EA 1 Lamp, 70 Watt Metal Halide, 120/277 Volt, Electronic Low Frequency High Intensity Discharge (HID) Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	134.95 6.60	15.71

26 Electrical**26 01 Operation and Maintenance of Electrical Systems****26 01 50 Operation and Maintenance of Lighting**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 52-0086 EA 1 Lamp, 100 Watt Metal Halide, 120/277 Volt, Electronic Low Frequency High Intensity Discharge (HID) Ballast.....	134.95	15.71
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.60	
26 01 50 52-0087 EA 1 Lamp, 150 Watt Metal Halide, 120/277 Volt, Electronic Low Frequency High Intensity Discharge (HID) Ballast.....	152.29	15.71
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.60	
26 01 50 52-0088 EA 1 Lamp, 250 Watt Metal Halide, 120/277 Volt, Electronic Low Frequency High Intensity Discharge (HID) Ballast.....	395.19	15.71
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.60	
26 01 50 52-0089 EA 1 Lamp, 300 Watt Metal Halide, 120/277 Volt, Electronic Low Frequency High Intensity Discharge (HID) Ballast.....	395.19	15.71
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.60	
26 01 50 52-0090 EA 1 Lamp, 320 Watt Metal Halide, 120/277 Volt, Electronic Low Frequency High Intensity Discharge (HID) Ballast.....	395.19	15.71
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.60	
26 01 50 52-0091 EA 1 Lamp, 350 Watt Metal Halide, 120/277 Volt, Electronic Low Frequency High Intensity Discharge (HID) Ballast.....	395.19	15.71
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.60	
26 01 50 52-0092 EA 1 Lamp, 400 Watt Metal Halide, 120/277 Volt, Electronic Low Frequency High Intensity Discharge (HID) Ballast.....	395.19	15.71
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.60	
26 01 50 52-0093 Retrofit Lighting Fixtures <small>(26 01 50 52)</small>		
26 01 50 52-0094 Retrofit Existing (T12) Fluorescent Fixtures <small>(26 01 50 52-0093)</small>		
Note: Excludes recycling or disposal of lamps and ballasts. See CSI section 02 84 16 00-0003 for ballast recycling, 02 84 16 00-0008 for leaking ballast disposal, 26 01 50 51-0142 for hazardous lamp recycling.		
26 01 50 52-0095 Retrofit Existing (T12) Strip Style Fluorescent Fixtures Without Reflector <small>(26 01 50 52-0094)</small>		
Note: Includes ballast, white reflective ballast cover, lamps, lamp holders, clips, wiring, cable connectors and cleaning of fixture.		
26 01 50 52-0096 EA Retrofit An Existing 4' (T12) Strip Style Fixture Without Reflector To Operate One 4' (T8) Lamp.....	65.71	
<i>For Specular Ballast Cover, Add</i>	5.87	
26 01 50 52-0097 EA Retrofit An Existing 4' (T12) Strip Style Fixture Without Reflector To Operate Two 4' (T8) Lamps.....	70.24	
<i>For Specular Ballast Cover, Add</i>	6.78	
26 01 50 52-0098 EA Retrofit An Existing 8' (T12) Strip Style Fixture Without Reflector To Operate Two 4' (T8) Lamps.....	90.97	
<i>For Specular Ballast Cover, Add</i>	10.92	
26 01 50 52-0099 EA Retrofit An Existing 8' (T12) Strip Style Fixture Without Reflector To Operate Four 4' (T8) Lamps.....	103.26	
<i>For Specular Ballast Cover, Add</i>	13.38	
26 01 50 52-0100 Retrofit Existing (T12) Strip Style Fluorescent Fixtures With Reflector <small>(26 01 50 52-0094)</small>		
Note: Includes ballast, white reflector and ballast cover, lamps, lamp holders, clips, wiring, cable connectors and cleaning of fixture.		
26 01 50 52-0101 EA Retrofit An Existing 4' (T12) Strip Style Fixture With Reflector To Operate One 4' (T8) Lamp.....	68.76	
<i>For Specular Reflector, Add</i>	6.48	
26 01 50 52-0102 EA Retrofit An Existing 4' (T12) Strip Style Fixture With Reflector To Operate Two 4' (T8) Lamps.....	73.66	
<i>For Specular Reflector, Add</i>	7.46	
26 01 50 52-0103 EA Retrofit An Existing 8' (T12) Strip Style Fixture With Reflector To Operate Two 4' (T8) Lamps.....	95.23	
<i>For Specular Reflector, Add</i>	11.77	
26 01 50 52-0104 EA Retrofit An Existing 8' (T12) Strip Style Fixture With Reflector To Operate Four 4' (T8) Lamps.....	115.79	
<i>For Specular Reflector, Add</i>	15.89	
26 01 50 52-0105 Retrofit Existing (T12) Troffer Style Fluorescent Fixtures <small>(26 01 50 52-0094)</small>		
Note: Includes ballast, white reflector and ballast cover, lamps, lamp holders, clips, wiring, cable connectors and cleaning of fixture.		
26 01 50 52-0106 EA Retrofit An Existing 1 x 4 (T12) Troffer Style Fixture To Operate One 4' (T8) Lamps.....	87.08	
<i>For Specular Reflector, Add</i>	8.06	
26 01 50 52-0107 EA Retrofit An Existing 1 x 4 (T12) Troffer Style Fixture To Operate Two 4' (T8) Lamps.....	91.62	
<i>For Specular Reflector, Add</i>	8.97	
26 01 50 52-0108 EA Retrofit An Existing 2 x 2 (T12) Troffer Style Fixture To Operate Two 2' (T8) Lamps.....	90.72	
<i>For Specular Reflector, Add</i>	8.79	
26 01 50 52-0109 EA Retrofit An Existing 2 x 2 (T12) Troffer Style Fixture To Operate Three 2' (T8) Lamps.....	98.72	
<i>For Specular Reflector, Add</i>	10.39	
26 01 50 52-0110 EA Retrofit An Existing 2 x 2 (T12) Troffer Style Fixture To Operate Four 2' (T8) Lamps.....	113.42	
<i>For Specular Reflector, Add</i>	13.33	
26 01 50 52-0111 EA Retrofit An Existing 2 x 4 (T12) Troffer Style Fixture To Operate Two 4' (T8) Lamps.....	95.27	
<i>For Specular Reflector, Add</i>	9.70	
26 01 50 52-0112 EA Retrofit An Existing 2 x 4 (T12) Troffer Style Fixture To Operate Three 4' (T8) Lamps.....	103.11	
<i>For Specular Reflector, Add</i>	11.27	
26 01 50 52-0113 EA Retrofit An Existing 2 x 4 (T12) Troffer Style Fixture To Operate Four 4' (T8) Lamps.....	110.01	
<i>For Specular Reflector, Add</i>	12.65	
26 01 50 52-0114 Retrofit Existing Recessed Lay-In/Troffer Fixtures <small>(26 01 50 52-0093)</small>		
26 01 50 52-0115 Fluorescent Volumetric Lighting Retrofits For Existing Recessed Lay-In/Troffer Fixtures (Lithonia) <small>(26 01 50 52-0114)</small>		
Note: Includes removing existing lamps and ballast. Includes installing adaptor frame, volumetric reflectors, lamps and ballasts. Excludes recycling or disposal of lamps and ballasts. See CSI section 02 84 16 00-0003 for ballast recycling, 26 01 50 51-0142 for disposal of hazardous lamps.		
26 01 50 52-0116 EA 2 T8 Lamps, 0.78 Ballast Factor, 2' x 4', Volumetric Lighting Retrofit For Existing Parabolic Recessed Fluorescent Fixtures (Lithonia 2RT8R).....	165.42	
26 01 50 52-0117 EA 2 T8 Lamps, 0.88 Ballast Factor, 2' x 4', Volumetric Lighting Retrofit For Existing Parabolic Recessed Fluorescent Fixtures (Lithonia 2RT8R).....	165.42	
26 01 50 52-0118 EA 2 T8 Lamps, 1.20 Ballast Factor, 2' x 4', Volumetric Lighting Retrofit For Existing Parabolic Recessed Fluorescent Fixtures (Lithonia 2RT8R).....	165.42	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 52-0119 EA 2 T8 Lamps, 0.88 Ballast Factor, Step Dimming Ballast, 2' x 4', Volumetric Lighting Retrofit For Existing Parabolic Recessed Fluorescent Fixtures (Lithonia 2RT8R).....	180.94	
26 01 50 52-0120 EA 2 T8 Lamps, 0.78 Ballast Factor, 2' x 4', Volumetric Lighting Retrofit For Existing Lensed Recessed Fluorescent Fixtures (Lithonia 2RT8RT).....	165.42	
26 01 50 52-0121 EA 2 T8 Lamps, 0.88 Ballast Factor, 2' x 4', Volumetric Lighting Retrofit For Existing Lensed Recessed Fluorescent Fixtures (Lithonia 2RT8RT).....	165.42	
26 01 50 52-0122 EA 2 T8 Lamps, 1.20 Ballast Factor, 2' x 4', Volumetric Lighting Retrofit For Existing Lensed Recessed Fluorescent Fixtures (Lithonia 2RT8RT).....	165.42	
26 01 50 52-0123 EA 2 T8 Lamps, 0.88 Ballast Factor, Step Dimming Ballast, 2' x 4', Volumetric Lighting Retrofit For Existing Lensed Recessed Fluorescent Fixtures (Lithonia 2RT8RT).....	180.94	
26 01 50 52-0124 EA 2 T8 Lamps, 0.78 Ballast Factor, 2' x 2', Volumetric Lighting Retrofit For Existing Parabolic Recessed Fluorescent Fixtures (Lithonia 2RT8R).....	166.14	
26 01 50 52-0125 EA 2 T8 Lamps, 0.88 Ballast Factor, 2' x 2', Volumetric Lighting Retrofit For Existing Parabolic Recessed Fluorescent Fixtures (Lithonia 2RT8R).....	166.14	
26 01 50 52-0126 EA 2 T8 Lamps, 1.20 Ballast Factor, 2' x 2', Volumetric Lighting Retrofit For Existing Parabolic Recessed Fluorescent Fixtures (Lithonia 2RT8R).....	166.14	
26 01 50 52-0127 EA 2 T8 Lamps, 0.88 Ballast Factor, Step Dimming Ballast, 2' x 2', Volumetric Lighting Retrofit For Existing Parabolic Recessed Fluorescent Fixtures (Lithonia 2RT8R).....	181.66	
26 01 50 52-0128 EA 2 T8 Lamps, 0.78 Ballast Factor, 2' x 2', Volumetric Lighting Retrofit For Existing Lensed Recessed Fluorescent Fixtures (Lithonia 2RT8RT).....	166.14	
26 01 50 52-0129 EA 2 T8 Lamps, 0.88 Ballast Factor, 2' x 2', Volumetric Lighting Retrofit For Existing Lensed Recessed Fluorescent Fixtures (Lithonia 2RT8RT).....	166.14	
26 01 50 52-0130 EA 2 T8 Lamps, 1.20 Ballast Factor, 2' x 2', Volumetric Lighting Retrofit For Existing Lensed Recessed Fluorescent Fixtures (Lithonia 2RT8RT).....	166.14	
26 01 50 52-0131 EA 2 T8 Lamps, 0.88 Ballast Factor, Step Dimming Ballast, 2' x 2', Volumetric Lighting Retrofit For Existing Lensed Recessed Fluorescent Fixtures (Lithonia 2RT8RT).....	181.66	
26 01 50 52-0132 LED Architectural Lighting Retrofits For Existing Recessed Lay-In/Troffer Fixtures (PlanLED) (26 01 50 52-0114)		
Note: Includes adaptor frame, optical system, LEDs and driver. Excludes recycling or disposal of lamps and ballasts. See CSI section 02 84 16 00-0003 for ballast recycling, 26 01 50 51-0142 for disposal of hazardous lamps.		
26 01 50 52-0133 EA 2,400 Lumens, 2' x 4', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (PlanLED FR3E-025).....	236.75	
26 01 50 52-0134 EA 4,300 Lumens, 2' x 4', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (PlanLED FR3E-045).....	247.30	
26 01 50 52-0135 LED Architectural Lighting Retrofits For Existing Recessed Lay-In/Troffer Fixtures (Raffino™) (26 01 50 52-0114)		
Note: Includes removing existing lamps and disconnecting existing ballast. Includes installing adaptor frame, LED light panel, dimming driver and trim. Excludes recycling or disposal of lamps and ballasts. See CSI section 02 84 16 00-0003 for ballast recycling, 26 01 50 51-0142 for disposal of hazardous lamps.		
26 01 50 52-0136 EA 1,800 Lumens, 1' x 4', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (Raffino™ LR14-1800L).....	193.76	
26 01 50 52-0137 EA 2,600 Lumens, 1' x 4', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (Raffino™ LR14-2700L).....	197.96	
26 01 50 52-0138 EA 2,200 Lumens, 2' x 2', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (Raffino™ LR22-2200L).....	193.76	
26 01 50 52-0139 EA 3,300 Lumens, 2' x 2', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (Raffino™ LR22-3300L).....	197.96	
26 01 50 52-0140 EA 3,300 Lumens, 2' x 4', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (Raffino™ LR24-3000L).....	218.96	
26 01 50 52-0141 EA 4,150 Lumens, 2' x 4', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (Raffino™ LR24-4000L).....	225.26	
26 01 50 52-0142 EA 5,000 Lumens, 2' x 4', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (Raffino™ LR24-5000L).....	239.96	
26 01 50 52-0143 LED Architectural Lighting Retrofits For Existing Recessed Lay-In/Troffer Fixtures (Orion) (26 01 50 52-0114)		
Note: Includes removing existing lamps and disconnecting existing ballast. Includes installing adaptor frame, LED light panel, dimming driver and trim. Excludes recycling or disposal of lamps and ballasts. See CSI section 02 84 16 00-0003 for ballast recycling, 26 01 50 51-0142 for disposal of hazardous lamps.		
26 01 50 52-0144 EA 3,000 Lumens, 2' x 2', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (Orion LDR-030L-FO-UNV-FDX-840-22-1P-CT-M-ST) (DLC Certified).....	180.91	
26 01 50 52-0145 EA 3,500 Lumens, 2' x 2', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (Orion LDR-035L-FO-UNV-FDX-840-22-1P-CT-M-ST) (DLC Certified).....	186.77	
26 01 50 52-0146 EA 3,200 Lumens, 2' x 4', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (Orion LDR-032L-FO-UNV-FDX-840-24-1P-CT-M-ST) (DLC Certified).....	188.52	
26 01 50 52-0147 EA 3,800 Lumens, 2' x 4', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (Orion LDR-038L-FO-UNV-FDX-840-24-1P-CT-M-ST) (DLC Certified).....	194.38	
26 01 50 52-0148 EA 2,000 Lumens, 2' x 2', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (Orion LDRE1A1UNVFDX84022MST) (DLC Certified).....	141.36	
26 01 50 52-0149 EA 4,000 Lumens, 2' x 2', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (Orion LDRE1B1UNVFDX84022MST) (DLC Certified).....	144.15	
26 01 50 52-0150 EA 3,000 Lumens, 2' x 4', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (Orion LDRE1D1UNVFDX84024MST) (DLC Certified).....	148.60	
26 01 50 52-0151 EA 4,000 Lumens, 2' x 4', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (Orion LDRE1E1UNVFDX84024MST) (DLC Certified).....	151.38	
26 01 50 52-0152 EA 6,000 Lumens, 2' x 4', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (Orion LDRE1F1UNVFDX84024MST) (DLC Certified).....	182.55	

26 Electrical**26 01 Operation and Maintenance of Electrical Systems****26 01 50 Operation and Maintenance of Lighting**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 52-0153 EA 8,000 Lumens, 2' x 4', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (ORION LDRE1G1UNVFD5X84024MST)(DLC Certified).....	213.71	
26 01 50 52-0154 Fluorescent Direct-Indirect Louver Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (A.L.P. Lighting Components) <small>(26 01 50 52-0114)</small>		
<small>Note: Includes adaptor frame, optical system, lamps and ballasts. Excludes recycling or disposal of lamps and ballasts. See CSI section 02 84 16 00-0003 for ballast recycling, 26 01 50 51-0142 for disposal of hazardous lamps.</small>		
26 01 50 52-0155 EA 1 T5 Lamp, 2' x 2', Fluorescent Direct-Indirect Louver Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (A.L.P. Lighting Components).....	154.64	
26 01 50 52-0156 EA 1 T8 Lamp, 2' x 2', Fluorescent Direct-Indirect Louver Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (A.L.P. Lighting Components).....	125.35	
26 01 50 52-0157 EA 2 T5 Lamps, 2' x 2', Fluorescent Direct-Indirect Louver Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (A.L.P. Lighting Components).....	159.62	
26 01 50 52-0158 EA 2 T8 Lamps, 2' x 2', Fluorescent Direct-Indirect Louver Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (A.L.P. Lighting Components).....	130.40	
26 01 50 52-0159 EA 3 T5 Lamps, 2' x 2', Fluorescent Direct-Indirect Louver Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (A.L.P. Lighting Components).....	167.80	
26 01 50 52-0160 EA 3 T8 Lamps, 2' x 2', Fluorescent Direct-Indirect Louver Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (A.L.P. Lighting Components).....	140.81	
26 01 50 52-0161 EA 1 T5 Lamp, 2' x 4', Fluorescent Direct-Indirect Louver Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (A.L.P. Lighting Components).....	181.03	
26 01 50 52-0162 EA 1 T8 Lamp, 2' x 4', Fluorescent Direct-Indirect Louver Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (A.L.P. Lighting Components).....	151.67	
26 01 50 52-0163 EA 2 T5 Lamps, 2' x 4', Fluorescent Direct-Indirect Louver Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (A.L.P. Lighting Components).....	185.61	
26 01 50 52-0164 EA 2 T8 Lamps, 2' x 4', Fluorescent Direct-Indirect Louver Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (A.L.P. Lighting Components).....	156.43	
26 01 50 52-0165 EA 3 T5 Lamps, 2' x 4', Fluorescent Direct-Indirect Louver Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (A.L.P. Lighting Components).....	193.56	
26 01 50 52-0166 EA 3 T8 Lamps, 2' x 4', Fluorescent Direct-Indirect Louver Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (A.L.P. Lighting Components).....	166.68	
26 01 50 52-0167 LED Volumetric Lighting Retrofit For Existing Lensed Or Parabolic Recessed Lay-In/Troffer Fixtures (Lithonia 2VTL2R/RT) <small>(26 01 50 52-0114)</small>		
<small>Note: Includes removing existing lamps and ballast. Includes installing LED light engine assembly, dimming driver and trim. Excludes recycling or disposal of lamps and ballasts. See CSI section 02 84 16 00-0003 for ballast recycling, 26 01 50 51-0142 for disposal of hazardous lamps.</small>		
26 01 50 52-0168 EA 3,300 Lumens, 2' x 2', LED Volumetric Lighting Retrofit For Existing Lensed Or Parabolic Recessed Lay-In/Troffer Fixtures (Lithonia 2VTL2R/RT).....	344.72	
26 01 50 52-0169 EA 4,800 Lumens, 2' x 4', LED Volumetric Lighting Retrofit For Existing Lensed Or Parabolic Recessed Lay-In/Troffer Fixtures (Lithonia 2VTL4R/RT).....	380.92	
26 01 50 53 Lens and Accessory Replacement <small>(26 01 50)</small>		
26 01 50 53-0001 EA Parabolic Aluminum Louver Replacement.....	89.16	
26 01 50 53-0002 EA Visor For Fixtures.....	181.28	
26 01 50 53-0003 EA Replace Globe On Pole.....	218.08	
26 01 50 53-0004 EA Replace Lenses For Flat Top Pole Fixtures.....	85.42	
26 01 50 53-0005 EA Replace 1' x 4' Diffuser With Prismatic Acrylic Diffuser, 0.125" Thick.....	28.35	
26 01 50 53-0006 EA Replace 2' x 2' Diffuser With Prismatic Acrylic Diffuser, 0.125" Thick.....	29.56	
26 01 50 53-0007 EA Replace 2' x 4' Diffuser With Prismatic Acrylic Diffuser, 0.125" Thick.....	34.84	
26 01 50 53-0008 EA Replace Slide-On Lampholder.....	12.30	
26 01 50 53-0009 EA Replace Screw Mount Lampholder.....	12.49	
<small>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</small>		
	3.12	
26 01 50 53-0010 EA Replace Medium Bi-Pin Lampholder.....	14.10	
<small>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</small>		
	3.12	
26 01 50 53-0011 EA Replace Fixed High Output Lampholder, Recessed, Double Contact Double Pedestal Type.....	16.57	
<small>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</small>		
	3.12	
26 01 50 53-0012 EA Replace Plunger High Output Lampholder, Recessed, Double Contact Double Pedestal Type.....	18.18	
<small>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</small>		
	3.12	
26 01 50 53-0013 EA Replace Compact Twin-Tube Lampholder, Snap-in.....	13.85	
<small>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</small>		
	3.12	
26 01 50 53-0014 EA Replace Exterior Light Globes.....	53.34	
26 05 Common Work Results For Electrical <small>(26)</small>		
26 05 13 Medium-Voltage Cables <small>(26 05)</small>		
26 05 13 00-0001 Wire And Cable <small>(26 05 13)</small>		
<small>Note: Pulled in conduit except as noted. Includes pull wires, pulling branch circuit conductors, testing, and splicing (#8 and lighter). All conductors are copper except as otherwise noted. No special set-up is required. Excludes terminations.</small>		
26 05 13 00-0002 5 KV Cable <small>(26 05 13 00-0001)</small>		
26 05 13 00-0003 Pulled In Duct, Cross-Linked Polyethylene (XLP) Insulation, 5 KV, Shielded, Single Copper Conductor, 133 Percent Insulation <small>(26 05 13 00-0002)</small>		



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
				26 05 13 00-0004 MLF #6 AWG Cable, XLP, 5 KV, Placed In Conduit, Shielded, Single Copper Conductor	2,688.14	779.06
				26 05 13 00-0005 MLF #4 AWG Cable, XLP, 5 KV, Placed In Conduit, Shielded, Single Copper Conductor	3,127.82	850.65
				26 05 13 00-0006 MLF #2 AWG Cable, XLP, 5 KV, Placed In Conduit, Shielded, Single Copper Conductor	3,692.03	961.10
				26 05 13 00-0007 MLF #1/0 AWG Cable, XLP, 5 KV, Placed In Conduit, Shielded, Single Copper Conductor	4,743.23	1,184.12
				26 05 13 00-0008 MLF #2/0 AWG Cable, XLP, 5 KV, Placed In Conduit, Shielded, Single Copper Conductor	5,390.90	1,333.42
				26 05 13 00-0009 MLF #3/0 AWG Cable, XLP, 5 KV, Placed In Conduit, Shielded, Single Copper Conductor	6,498.23	1,480.07
				26 05 13 00-0010 MLF #4/0 AWG Cable, XLP, 5 KV, Placed In Conduit, Shielded, Single Copper Conductor	7,312.18	1,663.01
				26 05 13 00-0011 MLF 250 MCM Cable, XLP, 5 KV, Placed In Conduit, Shielded, Single Copper Conductor	8,586.38	1,850.16
				26 05 13 00-0012 MLF 350 MCM Cable, XLP, 5 KV, Placed In Conduit, Shielded, Single Copper Conductor	10,048.90	2,209.05
				26 05 13 00-0013 MLF 500 MCM Cable, XLP, 5 KV, Placed In Conduit, Shielded, Single Copper Conductor	12,526.53	2,596.69
				26 05 13 00-0014 MLF 750 MCM Cable, XLP, 5 KV, Placed In Conduit, Shielded, Single Copper Conductor	15,953.82	2,220.15
				26 05 13 00-0015 MLF 1,000 MCM Cable, XLP, 5 KV, Placed In Conduit, Shielded, Single Copper Conductor	23,582.08	3,524.05
26 05 13 00-0016				Direct Burial, Cross-Linked Polyethylene (XLP) Insulated, 5 KV, Shielded, Single Copper Conductor, 133 Percent Insulation (26 05 13 00-0002)		
				Note: Excludes excavation.		
				26 05 13 00-0017 MLF #6 AWG Cable, XLP, 5 KV, Direct Burial, Shielded, Single Copper Conductor, 133% Insulation	2,590.76	
				26 05 13 00-0018 MLF #4 AWG Cable, XLP, 5 KV, Direct Burial, Shielded, Single Copper Conductor, 133% Insulation	2,851.36	
				26 05 13 00-0019 MLF #2 AWG Cable, XLP, 5 KV, Direct Burial, Shielded, Single Copper Conductor, 133% Insulation	3,139.39	
				26 05 13 00-0020 MLF #1/0 AWG Cable, XLP, 5 KV, Direct Burial, Shielded, Single Copper Conductor, 133% Insulation	3,816.13	
				26 05 13 00-0021 MLF #2/0 AWG Cable, XLP, 5 KV, Direct Burial, Shielded, Single Copper Conductor, 133% Insulation	4,090.44	
				26 05 13 00-0022 MLF #3/0 AWG Cable, XLP, 5 KV, Direct Burial, Shielded, Single Copper Conductor, 133% Insulation	5,013.70	
				26 05 13 00-0023 MLF #4/0 AWG Cable, XLP, 5 KV, Direct Burial, Shielded, Single Copper Conductor, 133% Insulation	5,370.31	
				26 05 13 00-0024 MLF 250 MCM Cable, XLP, 5 KV, Direct Burial, Shielded, Single Copper Conductor, 133% Insulation	6,363.83	
				26 05 13 00-0025 MLF 350 MCM Cable, XLP, 5 KV, Direct Burial, Shielded, Single Copper Conductor, 133% Insulation	7,026.32	
				26 05 13 00-0026 MLF 500 MCM Cable, XLP, 5 KV, Direct Burial, Shielded, Single Copper Conductor, 133% Insulation	8,622.45	
26 05 13 00-0027				Aerial, Cross-Linked Polyethylene (XLP) Insulated, 5 KV, Shielded, Single Copper Conductor, 133 Percent Insulation (26 05 13 00-0002)		
				Note: Installed on poles.		
				26 05 13 00-0028 MLF #6 AWG Cable, XLP, 5 KV, On Poles, Shielded, Single Copper Conductor, 133% Insulation	2,024.95	494.48
				26 05 13 00-0029 MLF #4 AWG Cable, XLP, 5 KV, On Poles, Shielded, Single Copper Conductor, 133% Insulation	2,378.52	530.19
				26 05 13 00-0030 MLF #2 AWG Cable, XLP, 5 KV, On Poles, Shielded, Single Copper Conductor, 133% Insulation	3,030.71	670.47
				26 05 13 00-0031 MLF #1/0 AWG Cable, XLP, 5 KV, On Poles, Shielded, Single Copper Conductor, 133% Insulation	3,897.11	813.93
				26 05 13 00-0032 MLF #2/0 AWG Cable, XLP, 5 KV, On Poles, Shielded, Single Copper Conductor, 133% Insulation	4,539.09	955.49
				26 05 13 00-0033 MLF #3/0 AWG Cable, XLP, 5 KV, On Poles, Shielded, Single Copper Conductor, 133% Insulation	5,636.23	1,092.69
				26 05 13 00-0034 MLF #4/0 AWG Cable, XLP, 5 KV, On Poles, Shielded, Single Copper Conductor, 133% Insulation	6,447.68	1,267.84
				26 05 13 00-0035 MLF 250 MCM Cable, XLP, 5 KV, On Poles, Shielded, Single Copper Conductor, 133% Insulation	8,103.99	1,595.02
				26 05 13 00-0036 MLF 350 MCM Cable, XLP, 5 KV, On Poles, Shielded, Single Copper Conductor, 133% Insulation	9,768.21	2,018.20
				26 05 13 00-0037 MLF 500 MCM Cable, XLP, 5 KV, On Poles, Shielded, Single Copper Conductor, 133% Insulation	12,621.05	2,535.67
26 05 13 00-0038				5 KV Non-Shielded Single Copper Conductor (26 05 13 00-0002)		
				26 05 13 00-0039 MLF 1/0 5 KV Non-Shielded, Single Copper Conductor	5,732.50	1,552.56
				26 05 13 00-0040 MLF 3/0 5 KV Non-Shielded, Single Copper Conductor	7,139.98	1,597.17
				26 05 13 00-0041 MLF 4/0 5 KV Non-Shielded, Single Copper Conductor	7,413.18	1,632.48
				26 05 13 00-0042 MLF 350 MCM 5 KV Non-Shielded, Single Copper Conductor	8,666.61	1,694.75
				26 05 13 00-0043 MLF 500 MCM 5 KV Non-Shielded, Single Copper Conductor	11,844.79	1,776.12
				26 05 13 00-0044 MLF 750 MCM 5 KV Non-Shielded, Single Copper Conductor	17,891.20	2,220.15
				26 05 13 00-0045 MLF 1,000 MCM 5 KV Non-Shielded, Single Copper Conductor	20,975.41	2,960.24
26 05 13 00-0046				Placed In Duct, Ethylene-Propylene Rubber (EPR) Insulation, 5 KV, Shielded, Single Copper Conductor, 133 Percent Insulation (26 05 13 00-0002)		
				26 05 13 00-0047 MLF #6 AWG Cable, EPR, 5 KV, Placed In Conduit, Shielded, Single Copper Conductor	2,821.46	779.06
				26 05 13 00-0048 MLF #4 AWG Cable, EPR, 5 KV, Placed In Conduit, Shielded, Single Copper Conductor	3,308.04	850.65
				26 05 13 00-0049 MLF #2 AWG Cable, EPR, 5 KV, Placed In Conduit, Shielded, Single Copper Conductor	3,924.09	961.10
				26 05 13 00-0050 MLF #1 AWG Cable, EPR, 5 KV, Placed In Conduit, Shielded, Single Copper Conductor	4,493.99	1,072.56
				26 05 13 00-0051 MLF #1/0 AWG Cable, EPR, 5 KV, Placed In Conduit, Shielded, Single Copper Conductor	5,064.17	1,184.12
				26 05 13 00-0052 MLF #2/0 AWG Cable, EPR, 5 KV, Placed In Conduit, Shielded, Single Copper Conductor	5,761.22	1,333.42
				26 05 13 00-0053 MLF #3/0 AWG Cable, EPR, 5 KV, Placed In Conduit, Shielded, Single Copper Conductor	7,001.87	1,480.07
				26 05 13 00-0054 MLF #4/0 AWG Cable, EPR, 5 KV, Placed In Conduit, Shielded, Single Copper Conductor	7,880.00	1,663.01
				26 05 13 00-0055 MLF 250 MCM Cable, EPR, 5 KV, Placed In Conduit, Shielded, Single Copper Conductor	9,299.37	1,850.16
				26 05 13 00-0056 MLF 350 MCM Cable, EPR, 5 KV, Placed In Conduit, Shielded, Single Copper Conductor	10,863.61	2,209.05
				26 05 13 00-0057 MLF 500 MCM Cable, EPR, 5 KV, Placed In Conduit, Shielded, Single Copper Conductor	13,612.80	2,596.69
				26 05 13 00-0058 MLF 750 MCM Cable, EPR, 5 KV, Placed In Conduit, Shielded, Single Copper Conductor	17,826.44	2,220.15
				26 05 13 00-0059 MLF 1,000 MCM Cable, EPR, 5 KV, Placed In Conduit, Shielded, Single Copper Conductor	26,241.04	3,524.05
26 05 13 00-0060				Direct Burial, Ethylene-Propylene Rubber (EPR) Insulated, 5 KV, Shielded, Single Copper Conductor, 133 Percent Insulation (26 05 13 00-0002)		
				Note: Excludes excavation.		
				26 05 13 00-0061 MLF #6 AWG Cable, EPR, 5 KV, Direct Burial, Shielded, Single Copper Conductor, 133% Insulation	2,724.08	
				26 05 13 00-0062 MLF #4 AWG Cable, EPR, 5 KV, Direct Burial, Shielded, Single Copper Conductor, 133% Insulation	3,031.58	
				26 05 13 00-0063 MLF #2 AWG Cable, EPR, 5 KV, Direct Burial, Shielded, Single Copper Conductor, 133% Insulation	3,371.46	
				26 05 13 00-0064 MLF #1 AWG Cable, EPR, 5 KV, Direct Burial, Shielded, Single Copper Conductor, 133% Insulation	3,754.69	
				26 05 13 00-0065 MLF #1/0 AWG Cable, EPR, 5 KV, Direct Burial, Shielded, Single Copper Conductor, 133% Insulation	4,137.07	

26 Electrical**26 05 Common Work Results For Electrical****26 05 13 Medium-Voltage Cables**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 13 00-0066 MLF #2/0 AWG Cable, EPR, 5 KV, Direct Burial, Shielded, Single Copper Conductor, 133% Insulation	4,460.76	
26 05 13 00-0067 MLF #3/0 AWG Cable, EPR, 5 KV, Direct Burial, Shielded, Single Copper Conductor, 133% Insulation	5,517.34	
26 05 13 00-0068 MLF #4/0 AWG Cable, EPR, 5 KV, Direct Burial, Shielded, Single Copper Conductor, 133% Insulation	5,938.13	
26 05 13 00-0069 MLF 250 MCM Cable, EPR, 5 KV, Direct Burial, Shielded, Single Copper Conductor, 133% Insulation	7,076.82	
26 05 13 00-0070 MLF 350 MCM Cable, EPR, 5 KV, Direct Burial, Shielded, Single Copper Conductor, 133% Insulation	7,841.02	
26 05 13 00-0071 MLF 500 MCM Cable, EPR, 5 KV, Direct Burial, Shielded, Single Copper Conductor, 133% Insulation	9,708.72	
26 05 13 00-0072 Aerial, Ethylene-Propylene Rubber (EPR) Insulated, 5 KV, Shielded, Single Copper Conductor, 133 Percent Insulation (26 05 13 00-0002)		
Note: Installed on poles.		
26 05 13 00-0073 MLF #6 AWG Cable, EPR, 5 KV, On Poles, Shielded, Single Copper Conductor, 133% Insulation	2,158.27	494.48
26 05 13 00-0074 MLF #4 AWG Cable, EPR, 5 KV, On Poles, Shielded, Single Copper Conductor, 133% Insulation	2,558.74	530.19
26 05 13 00-0075 MLF #2 AWG Cable, EPR, 5 KV, On Poles, Shielded, Single Copper Conductor, 133% Insulation	3,262.77	670.47
26 05 13 00-0076 MLF #1 AWG Cable, EPR, 5 KV, On Poles, Shielded, Single Copper Conductor, 133% Insulation	3,739.11	741.67
26 05 13 00-0077 MLF #1/0 AWG Cable, EPR, 5 KV, On Poles, Shielded, Single Copper Conductor, 133% Insulation	4,218.05	813.93
26 05 13 00-0078 MLF #2/0 AWG Cable, EPR, 5 KV, On Poles, Shielded, Single Copper Conductor, 133% Insulation	4,909.41	955.49
26 05 13 00-0079 MLF #3/0 AWG Cable, EPR, 5 KV, On Poles, Shielded, Single Copper Conductor, 133% Insulation	6,139.87	1,092.69
26 05 13 00-0080 MLF #4/0 AWG Cable, EPR, 5 KV, On Poles, Shielded, Single Copper Conductor, 133% Insulation	7,015.50	1,267.84
26 05 13 00-0081 MLF 250 MCM Cable, EPR, 5 KV, On Poles, Shielded, Single Copper Conductor, 133% Insulation	8,816.98	1,595.02
26 05 13 00-0082 MLF 350 MCM Cable, EPR, 5 KV, On Poles, Shielded, Single Copper Conductor, 133% Insulation	10,582.91	2,018.20
26 05 13 00-0083 MLF 500 MCM Cable, EPR, 5 KV, On Poles, Shielded, Single Copper Conductor, 133% Insulation	13,707.32	2,535.67
26 05 13 00-0084 15 KV Cable (26 05 13 00-0001)		
26 05 13 00-0085 Cross-Linked Polyethylene (XLP) Insulation, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable (26 05 13 00-0084)		
26 05 13 00-0086 Placed In Duct, Cross-Linked Polyethylene (XLP) Insulation, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable (26 05 13 00-0085)		
26 05 13 00-0087 MLF #4 AWG, Placed In Duct, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable	5,537.54	1,552.56
26 05 13 00-0088 MLF #2 AWG, Placed In Duct, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable	5,874.45	1,552.56
26 05 13 00-0089 MLF #1 AWG, Placed In Duct, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable	6,002.96	1,552.56
26 05 13 00-0090 MLF #1/0 AWG, Placed In Duct, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable	6,421.60	1,552.56
26 05 13 00-0091 MLF #2/0 AWG, Placed In Duct, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable	6,818.95	1,552.56
26 05 13 00-0092 MLF #3/0 AWG, Placed In Duct, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable	7,655.93	1,620.60
26 05 13 00-0093 MLF #4/0 AWG, Placed In Duct, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable	7,812.03	1,620.60
26 05 13 00-0094 MLF 250 MCM, Placed In Duct, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable	8,849.06	1,694.75
26 05 13 00-0095 MLF 350 MCM, Placed In Duct, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable	9,863.69	1,734.50
26 05 13 00-0096 MLF 500 MCM, Placed In Duct, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable	11,994.11	1,953.73
26 05 13 00-0097 Direct Burial, Cross-Linked Polyethylene (XLP) Insulation, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable (26 05 13 00-0085)		
Note: Excludes excavation.		
26 05 13 00-0098 MLF #1 AWG, Direct Burial, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable	4,332.88	
26 05 13 00-0099 MLF #1/0 AWG, Direct Burial, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable	4,751.52	
26 05 13 00-0100 MLF #2/0 AWG, Direct Burial, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable	5,148.87	
26 05 13 00-0101 MLF #3/0 AWG, Direct Burial, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable	6,007.32	
26 05 13 00-0102 MLF #4/0 AWG, Direct Burial, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable	6,163.42	
26 05 13 00-0103 MLF 250 MCM, Direct Burial, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable	7,292.73	
26 05 13 00-0104 MLF 350 MCM, Direct Burial, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable	8,309.60	
26 05 13 00-0105 MLF 500 MCM Cable, Direct Burial, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation	10,217.99	
26 05 13 00-0106 Aerial, Cross-Linked Polyethylene (XLP) Insulation, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable (26 05 13 00-0085)		
Note: Installed on poles.		
26 05 13 00-0107 MLF #1 AWG, Aerial, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable	3,956.30	706.39
26 05 13 00-0108 MLF #1/0 AWG, Aerial, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable	4,654.30	813.93
26 05 13 00-0109 MLF #2/0 AWG, Aerial, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable	5,419.32	955.49
26 05 13 00-0110 MLF #3/0 AWG, Aerial, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable	6,442.81	1,092.69
26 05 13 00-0111 MLF #4/0 AWG, Aerial, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable	7,053.75	1,267.84
26 05 13 00-0112 MLF 250 MCM, Aerial, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable	8,445.89	1,475.93
26 05 13 00-0113 MLF 350 MCM, Aerial, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable	9,994.61	1,719.84
26 05 13 00-0114 MLF 500 MCM, Aerial, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable	12,298.90	1,997.75
26 05 13 00-0115 Ethylene-Propylene Rubber (EPR) Insulation, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable (26 05 13 00-0084)		
26 05 13 00-0116 Placed In Duct, Ethylene-Propylene Rubber (EPR), 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable (26 05 13 00-0115)		
26 05 13 00-0117 MLF #4 AWG, Placed In Duct, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable	5,835.65	1,552.56
26 05 13 00-0118 MLF #2 AWG, Placed In Duct, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable	6,233.20	1,552.56
26 05 13 00-0119 MLF #1 AWG, Placed In Duct, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable	6,384.84	1,552.56
26 05 13 00-0120 MLF #1/0 AWG, Placed In Duct, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable	6,878.84	1,552.56
26 05 13 00-0121 MLF #2/0 AWG, Placed In Duct, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable	7,347.72	1,552.56
26 05 13 00-0122 MLF #3/0 AWG, Placed In Duct, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable	8,304.75	1,620.60



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 13 00-0123 MLF #4/0 AWG, Placed In Duct, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable	8,488.95	1,620.60
26 05 13 00-0124 MLF 250 MCM, Placed In Duct, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable	9,679.25	1,694.75
26 05 13 00-0125 MLF 350 MCM, Placed In Duct, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable	10,858.64	1,734.50
26 05 13 00-0126 MLF 500 MCM, Placed In Duct, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable	13,273.87	1,953.73
26 05 13 00-0127 Direct Burial, Ethylene-Propylene Rubber (EPR), 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable <small>(26 05 13 00-0115)</small>		
<small>Note: Excludes excavation.</small>		
26 05 13 00-0128 MLF #1 AWG, Direct Burial, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable	4,714.77	
26 05 13 00-0129 MLF #1/0 AWG, Direct Burial, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable	5,208.76	
26 05 13 00-0130 MLF #2/0 AWG, Direct Burial, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable	5,677.63	
26 05 13 00-0131 MLF #3/0 AWG, Direct Burial, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable	6,656.14	
26 05 13 00-0132 MLF #4/0 AWG, Direct Burial, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable	6,840.34	
26 05 13 00-0133 MLF 250 MCM, Direct Burial, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable	8,120.50	
26 05 13 00-0134 MLF 350 MCM, Direct Burial, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable	9,297.59	
26 05 13 00-0135 MLF 500 MCM, Direct Burial, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable	11,497.76	
26 05 13 00-0136 Aerial, Ethylene-Propylene Rubber (EPR), 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable <small>(26 05 13 00-0115)</small>		
<small>Note: Installed on poles.</small>		
26 05 13 00-0137 MLF #1 AWG, Aerial, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable	4,338.19	706.39
26 05 13 00-0138 MLF #1/0 AWG, Aerial, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable	5,111.54	813.93
26 05 13 00-0139 MLF #2/0 AWG, Aerial, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable	5,948.08	955.49
26 05 13 00-0140 MLF #3/0 AWG, Aerial, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable	7,091.63	1,092.69
26 05 13 00-0141 MLF #4/0 AWG, Aerial, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable	7,730.66	1,267.84
26 05 13 00-0142 MLF 250 MCM, Aerial, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable	9,276.07	1,475.93
26 05 13 00-0143 MLF 350 MCM, Aerial, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable	10,989.55	1,719.84
26 05 13 00-0144 MLF 500 MCM, Aerial, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable	13,578.67	1,997.75
26 05 13 00-0145 15 KV Non-Shielded Single Copper Conductor <small>(26 05 13 00-0084)</small>		
26 05 13 00-0146 MLF 1/0 15 KV Non-Shielded, Single Copper Conductor	7,342.56	1,558.00
26 05 13 00-0147 MLF 3/0 15 KV Non-Shielded, Single Copper Conductor	9,188.66	1,632.48
26 05 13 00-0148 MLF 350 MCM 15 KV Non-Shielded, Single Copper Conductor.....	12,176.65	1,741.27
26 05 13 00-0149 Shielded, Armored Copper, 15 KV, 3 Conductor Cable <small>(26 05 13 00-0084)</small>		
<small>Note: Laid in cable tray or hung in vertical cable shaft.</small>		
26 05 13 00-0150 Galvanized Steel Interlocked Armor Cable <small>(26 05 13 00-0149)</small>		
26 05 13 00-0151 LF #2 AWG TC 3 Conductor 15 KV Galvanized Armored Shielded, Laid In Cable Tray Or Hung Vertically.....	38.88	11.88
26 05 13 00-0152 LF #1/0 AWG TC 3 Conductor 15 KV Galvanized Armored Shielded, Laid In Cable Tray Or Hung Vertically.....	45.15	12.65
26 05 13 00-0153 Aluminum Interlocked Armor Cable <small>(26 05 13 00-0149)</small>		
26 05 13 00-0154 LF #2 AWG TC 3 Conductor 15 KV Aluminum Armored Shielded, Laid In Cable Tray Or Hung Vertically.....	38.88	11.88
26 05 13 00-0155 LF #1/0 AWG TC 3 Conductor 15 KV Aluminum Armored Shielded, Laid In Cable Tray Or Hung Vertically.....	45.15	12.65
26 05 13 00-0156 Type URD, 15 KV Primary Concentric UD Cable <small>(26 05 13 00-0084)</small>		
<small>Note: 0.175" XLPE insulation, copper conductor.</small>		
26 05 13 00-0157 MLF #4 AWG Cable, Type URD (XLPE), 15 KV, Placed In Conduit, Shielded, Single Conductor	2,750.77	779.06
26 05 13 00-0158 MLF #2 AWG Cable, Type URD (XLPE), 15 KV, Placed In Conduit, Shielded, Single Conductor	3,212.49	850.65
26 05 13 00-0159 MLF #1 AWG Cable, Type URD (XLPE), 15 KV, Placed In Conduit, Shielded, Single Conductor	3,801.05	961.10
26 05 13 00-0160 MLF #1/0 AWG Cable, Type URD (XLPE), 15 KV, Placed In Conduit, Shielded, Single Conductor	4,886.14	1,180.90
26 05 13 00-0161 MLF #2/0 AWG Cable, Type URD (XLPE), 15 KV, Placed In Conduit, Shielded, Single Conductor	5,554.90	1,329.42
26 05 13 00-0162 MLF #3/0 AWG Cable, Type URD (XLPE), 15 KV, Placed In Conduit, Shielded, Single Conductor	6,734.84	1,480.07
26 05 13 00-0163 MLF #4/0 AWG Cable, Type URD (XLPE), 15 KV, Placed In Conduit, Shielded, Single Conductor	7,563.42	1,656.79
26 05 13 00-0164 15 KV URD Cable Copper Direct Burial <small>(26 05 13 00-0084)</small>		
26 05 13 00-0165 MLF 15 KV 3/C URD Cable Copper Direct Burial #6	10,900.41	
26 05 13 00-0166 35 KV And 70 KV Cable <small>(26 05 13 00-0001)</small>		
26 05 13 00-0167 35 KV, Shielded, Single Copper Conductor <small>(26 05 13 00-0166)</small>		
26 05 13 00-0168 MLF 3/0 35 KV Shielded, Single Copper Conductor	12,961.21	2,602.32
26 05 13 00-0169 70 KV, Shielded, Single Copper Conductor <small>(26 05 13 00-0166)</small>		
26 05 13 00-0170 MLF 350 MCM 70 KV Shielded, Single Copper Conductor	37,384.22	2,966.69
26 05 13 00-0171 Wire Connections <small>(26 05 13 00-0001)</small>		
26 05 13 00-0172 Medium Voltage Up To 5 KV <small>(26 05 13 00-0171)</small>		

26 Electrical**26 05 Common Work Results For Electrical****26 05 13 Medium-Voltage Cables**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 13 00-0173			Shielded One Conductor Cable Splice <small>(26 05 13 00-0172)</small>		
26 05 13 00-0174	EA		#6 AWG Cable Splice, To 5 KV One Conductor, Shielded Medium Voltage To 5 KV	250.21	103.76
26 05 13 00-0175	EA		#2 AWG Cable Splice, To 5 KV One Conductor, Shielded Medium Voltage To 5 KV	286.07	103.76
26 05 13 00-0176	EA		1/0 AWG Cable Splice, To 5 KV One Conductor, Shielded Medium Voltage To 5 KV	286.07	103.76
26 05 13 00-0177	EA		2/0 AWG Cable Splice, To 5 KV One Conductor, Shielded Medium Voltage To 5 KV.....	316.94	124.51
26 05 13 00-0178	EA		3/0 AWG Cable Splice, To 5 KV One Conductor, Shielded Medium Voltage To 5 KV.....	316.94	124.51
26 05 13 00-0179	EA		4/0 AWG Cable Splice, To 5 KV One Conductor, Shielded Medium Voltage To 5 KV.....	316.94	124.51
26 05 13 00-0180	EA		250 MCM Cable Splice, To 5 KV One Conductor, Shielded Medium Voltage To 5 KV.....	358.12	145.26
26 05 13 00-0181	EA		350 MCM Cable Splice, To 5 KV One Conductor, Shielded Medium Voltage To 5 KV.....	358.12	145.26
26 05 13 00-0182	EA		500 MCM Cable Splice, To 5 KV One Conductor, Shielded Medium Voltage To 5 KV.....	358.12	145.26
26 05 13 00-0183			Cable Termination Without Stress Cone <small>(26 05 13 00-0172)</small>		
26 05 13 00-0184	EA		#6 To 4/0 AWG Cable Termination Without Stress Cone, Medium Voltage To 5 KV	250.07	124.51
26 05 13 00-0185	EA		250 To 500 MCM Cable Termination Without Stress Cone, Medium Voltage To 5 KV.....	294.33	145.26
26 05 13 00-0186			Cable Termination With Stress Cone <small>(26 05 13 00-0172)</small>		
26 05 13 00-0187	EA		#6 To 4/0 AWG Cable Termination With Stress Cone, Medium Voltage To 5 KV	802.23	249.03
26 05 13 00-0188	EA		250 To 500 MCM Cable Termination With Stress Cone, Medium Voltage To 5 KV.....	1,111.11	342.40
26 05 13 00-0189			Connect To Pothead, Pothead Included <small>(26 05 13 00-0172)</small>		
26 05 13 00-0190	EA		#6 To 4/0 AWG Connection To Pothead (Included) Medium Voltage To 5 KV	823.89	249.03
26 05 13 00-0191	EA		250 To 500 MCM Connection To Pothead (Included) Medium Voltage To 5 KV	1,017.49	285.34
26 05 13 00-0192			Two Conductor Pothead <small>(26 05 13 00-0172)</small>		
			Note: Includes 5 KV pothead.		
26 05 13 00-0193	EA		#6 To 4/0 AWG 2/c 5 KV Pothead (Included) Medium Voltage To 5 KV.....	822.19	342.40
26 05 13 00-0194	EA		250 To 350 MCM 2/c 5 KV Pothead (Included) Medium Voltage To 5 KV.....	1,060.35	435.79
26 05 13 00-0195	EA		400 To 700 MCM 2/c 5 KV Pothead (Included) Medium Voltage To 5 KV	1,398.59	494.10
26 05 13 00-0196	EA		750 MCM 2/c 5 KV Pothead (Included) Medium Voltage To 5 KV	1,973.67	576.48
26 05 13 00-0197	EA		1,000 MCM 2/c 5 KV Pothead (Included) Medium Voltage To 5 KV	3,370.91	864.63
26 05 13 00-0198			Three Conductor Pothead <small>(26 05 13 00-0172)</small>		
			Note: Includes 5 KV pothead.		
26 05 13 00-0199	EA		#6 To 4/0 3/c 5 KV Pothead (Included) Medium Voltage To 5 KV	2,131.17	498.04
26 05 13 00-0200	EA		250 To 500 MCM 3/c 5 KV Pothead (Included) Medium Voltage To 5 KV.....	2,380.52	581.05
26 05 13 00-0201			Copper Cable Splice, Crimp Compression Connection <small>(26 05 13 00-0172)</small>		
			Note: For bare wire.		
26 05 13 00-0202	EA		#6 AWG Crimp Compression Connection For Bare Copper Wire.....	62.52	
26 05 13 00-0203	EA		#4 AWG Crimp Compression Connection For Bare Copper Wire.....	68.55	
26 05 13 00-0204	EA		#3 AWG Crimp Compression Connection For Bare Copper Wire.....	79.96	
26 05 13 00-0205	EA		#2 AWG Crimp Compression Connection For Bare Copper Wire.....	91.06	
26 05 13 00-0206	EA		#1 AWG Crimp Compression Connection For Bare Copper Wire.....	102.58	
26 05 13 00-0207	EA		1/0 AWG Crimp Compression Connection For Bare Copper Wire.....	113.94	
26 05 13 00-0208	EA		2/0 AWG Crimp Compression Connection For Bare Copper Wire.....	125.23	
26 05 13 00-0209	EA		3/0 AWG Crimp Compression Connection For Bare Copper Wire.....	136.81	
26 05 13 00-0210	EA		4/0 AWG Crimp Compression Connection For Bare Copper Wire.....	148.22	
26 05 13 00-0211	EA		250 MCM Crimp Compression Connection For Bare Copper Wire.....	159.76	
26 05 13 00-0212	EA		300 MCM Crimp Compression Connection For Bare Copper Wire.....	171.45	
26 05 13 00-0213	EA		350 MCM Crimp Compression Connection For Bare Copper Wire.....	182.75	
26 05 13 00-0214	EA		400 MCM Crimp Compression Connection For Bare Copper Wire.....	206.05	
26 05 13 00-0215	EA		500 MCM Crimp Compression Connection For Bare Copper Wire.....	229.74	
26 05 13 00-0216			Aluminum Cable Splice, Crimp Compression Connection <small>(26 05 13 00-0172)</small>		
			Note: For bare wire.		
26 05 13 00-0217	EA		#6 AWG Crimp Compression Connection For Bare Aluminum Wire.....	63.30	
26 05 13 00-0218	EA		#4 AWG Crimp Compression Connection For Bare Aluminum Wire.....	68.98	
26 05 13 00-0219	EA		#2 AWG Crimp Compression Connection For Bare Aluminum Wire.....	92.47	
26 05 13 00-0220	EA		#1 AWG Crimp Compression Connection For Bare Aluminum Wire.....	106.17	
26 05 13 00-0221	EA		1/0 AWG Crimp Compression Connection For Bare Aluminum Wire.....	117.33	
26 05 13 00-0222	EA		2/0 AWG Crimp Compression Connection For Bare Aluminum Wire.....	128.46	
26 05 13 00-0223	EA		3/0 AWG Crimp Compression Connection For Bare Aluminum Wire.....	140.56	
26 05 13 00-0224	EA		4/0 AWG Crimp Compression Connection For Bare Aluminum Wire.....	152.19	
26 05 13 00-0225	EA		250 MCM Crimp Compression Connection For Bare Aluminum Wire.....	163.63	
26 05 13 00-0226	EA		300 MCM Crimp Compression Connection For Bare Aluminum Wire.....	175.23	
26 05 13 00-0227	EA		350 MCM Crimp Compression Connection For Bare Aluminum Wire.....	186.72	
26 05 13 00-0228	EA		400 MCM Crimp Compression Connection For Bare Aluminum Wire.....	211.74	
26 05 13 00-0229	EA		500 MCM Crimp Compression Connection For Bare Aluminum Wire.....	236.85	
26 05 13 00-0230			15 KV <small>(26 05 13 00-0171)</small>		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 13 00-0231 Single Conductor Pothead On Racks <small>(26 05 13 00-0230)</small>		
<small>Note: Includes pothead.</small>		
26 05 13 00-0232 EA #2 To 4/0 AWG 1/c 15 KV Pothead (Included), On Racks.....	1,015.11	435.79
26 05 13 00-0233 EA 250 To 500 MCM 1/c 15 KV Pothead (Included), On Racks.....	1,280.24	539.54
26 05 13 00-0234 Two Conductor Pothead On Rack <small>(26 05 13 00-0230)</small>		
<small>Note: Includes pothead.</small>		
26 05 13 00-0235 EA #2 To 4/0 AWG 2/c 15 KV Pothead (Included), On Racks.....	1,533.16	664.06
26 05 13 00-0236 EA 250 To 500 MCM 2/c 15 KV Pothead (Included), On Racks.....	1,825.30	788.57
26 05 13 00-0237 Three Conductor Pothead On Rack <small>(26 05 13 00-0230)</small>		
<small>Note: Includes pothead.</small>		
26 05 13 00-0238 EA #2 To 4/0 AWG 3/c 15 KV Pothead (Included), On Racks.....	1,978.12	861.20
26 05 13 00-0239 EA 250 To 500 MCM 3/c 15 KV Pothead (Included), On Racks.....	2,469.15	1,079.10
26 05 13 00-0240 Stress Relief Cone On Rack <small>(26 05 13 00-0230)</small>		
26 05 13 00-0241 EA #2 To 4/0 AWG Stress Relief Cone, On Rack	988.94	435.79
26 05 13 00-0242 EA 250 To 500 MCM Stress Relief Cone, On Rack	1,250.82	539.54
26 05 13 00-0243 Grounded, Shielded Cable Splice <small>(26 05 13 00-0230)</small>		
26 05 13 00-0244 EA #2 To 4/0 AWG Cable Splice, Grounded, Shielded, 15 KV	713.21	321.66
26 05 13 00-0245 EA 250 To 500 MCM Cable Splice, Grounded, Shielded, 15 KV.....	917.69	415.03
26 05 13 00-0246 EA 3/0 To 500 MCM 15 KV Splice Kit, Cable Splice, Grounded, Shielded, Universal Mechanical Type CE - CE 2-Way	3,271.84	1,141.35
26 05 13 00-0247 EA 3/0 To 500 MCM 15 KV Splice Kit, Cable Splice, Grounded, Shielded, Universal Mechanical Type CE - CE - CE 3-Way	3,907.48	1,245.11
26 05 13 00-0248 Cable Termination <small>(26 05 13 00-0230)</small>		
26 05 13 00-0249 EA #2 To 3/0 AWG Cable Termination 15 KV	430.69	181.57
<small>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</small>		
	108.95	
26 05 13 00-0250 EA 4/0 To 250 MCM Cable Termination 15 KV	549.54	233.46
<small>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</small>		
	140.07	
26 05 13 00-0251 EA 350 To 500 MCM Cable Termination 15 KV	675.83	285.34
<small>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</small>		
	171.20	
26 05 13 00-0252 EA #2 To 3/0 AWG Cable Elbow Termination 15 KV	258.46	103.76
<small>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</small>		
	62.26	
26 05 13 00-0253 Stress Cones, 5-15 KV, 4 Skirted <small>(26 05 13 00-0230)</small>		
26 05 13 00-0254 EA #4 To 1/0 AWG Stress Cones, 5-15 KV, 4 Skirted.....	420.77	134.89
26 05 13 00-0255 EA 2/0 To 3/0 AWG Stress Cones, 5-15 KV, 4 Skirted.....	472.86	149.08
26 05 13 00-0256 EA 4/0 To 350 MCM Stress Cones, 5-15 KV, 4 Skirted.....	543.00	163.15
26 05 13 00-0257 EA 400 To 500 MCM Stress Cones, 5-15 KV, 4 Skirted.....	669.23	187.97
26 05 13 00-0258 Stress Cones, 5-15 KV, 6 Skirted <small>(26 05 13 00-0230)</small>		
26 05 13 00-0259 EA #4 To 1/0 AWG Stress Cones, 5-15 KV, 6 Skirted.....	841.57	270.23
26 05 13 00-0260 EA 2/0 To 3/0 AWG Stress Cones, 5-15 KV, 6 Skirted.....	945.78	298.16
26 05 13 00-0261 EA 4/0 To 350 MCM Stress Cones, 5-15 KV, 6 Skirted.....	1,073.92	320.24
26 05 13 00-0262 EA 400 To 500 MCM Stress Cones, 5-15 KV, 6 Skirted.....	1,338.45	375.94
26 05 13 00-0263 35 KV <small>(26 05 13 00-0171)</small>		
26 05 13 00-0264 35 KV One Conductor Splice <small>(26 05 13 00-0263)</small>		
26 05 13 00-0265 EA Cable Splicing, #1 Stranded To 4/0 Stranded, 35 KV	1,771.38	
26 05 13 00-0266 Cable Termination <small>(26 05 13 00-0263)</small>		
26 05 13 00-0267 EA #2 To 3/0 AWG Cable Termination 35 KV	330.69	124.61
26 05 13 00-0268 EA 3/0 AWG To 250 MCM Cable Termination 35 KV	475.66	188.02
26 05 13 00-0269 EA 350 To 500 MCM Cable Termination 35 KV	529.08	201.09
26 05 13 00-0270 EA #2 To 3/0 AWG Cable Elbow Termination 35 KV	269.00	103.76
26 05 13 00-0271 70 KV <small>(26 05 13 00-0171)</small>		
26 05 13 00-0272 Cable Splice <small>(26 05 13 00-0271)</small>		
26 05 13 00-0273 EA Cable Splicing, 350 MCM 70 KV.....	5,185.46	
26 05 13 00-0274 EA Cable Splicing, #2 To 4/0 70 KV	1,797.85	

26 05 19 **Low-Voltage Electrical Power Conductors And Cables** (26 05)

26 05 19 13 **Undercarpet Electrical Power Cables** (26 05 19)

26 Electrical**26 05 Common Work Results For Electrical****26 05 19 Low-Voltage Electrical Power Conductors And Cables**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
26 05 19 13-0001		Under Carpet Power System <small>(26 05 19 13)</small>			
		Note: Includes laying out, floor prep, taping, testing, drill floor, folds.			
26 05 19 13-0002	LF	Cable Flat 3 Conductor #12 With Attached Bottom Shield.....	3.09		0.47
26 05 19 13-0003	LF	Top Shield, Steel.....	7.03		0.47
26 05 19 13-0004	EA	Splice, 3-Conductor.....	23.04		8.07
26 05 19 13-0005	EA	Splice Top Shield For 3 Conductor.....	8.16		3.80
26 05 19 13-0006	EA	Tap 3-Conductor.....	28.15		9.49
26 05 19 13-0007	EA	Insulating Patch, Splice Tap And End.....	37.00		8.07
26 05 19 13-0008	EA	Transition Block Assembly 3-conductor.....	23.62		4.74
26 05 19 13-0009	EA	Receptacles, Direct Connected Single, With Box.....	72.11		15.18
26 05 19 13-0010	EA	Receptacles, Direct Connected Dual, With Box.....	118.56		23.72
26 05 19 13-0011	EA	Box, Floor Mounted With Cover.....	113.37		18.97
26 05 19 13-0012	LF	5-Conductor #12 With Attached Bottom Shield.....	4.64		0.47
26 05 19 13-0013	LF	Shield, Top, Steel For 5 Conductor.....	4.60		0.47
26 05 19 13-0014	EA	Splice, 5 Conductor.....	23.24		8.07
26 05 19 13-0015	EA	Insulating Patch Splice Tap And End.....	29.67		4.74
26 05 19 13-0016	EA	Transition Block Assembly 5 Conductor.....	29.67		4.74
26 05 19 13-0017	EA	Box, Wall, Flush With Cover.....	61.60		18.97
26 05 19 13-0018	EA	Telephone Transition Fitting Wall Box.....	43.83		15.65
26 05 19 13-0019	EA	Telephone Fitting With Duplex Jack And Cover RJ-45.....	55.04		18.03
26 05 19 13-0020	EA	Telephone Miniature With Duplex RJ-45.....	23.03		7.11
26 05 19 13-0021	LF	Telephone 4-Pair Level 5 Under Carpet Wire.....	1.40		0.47
26 05 19 13-0022	EA	BNC Coax Connector Plug.....	22.28		9.49
26 05 19 13-0023	EA	TNC Connector Coax Plug.....	22.28		9.49
26 05 19 13-0024	CLF	Flat RG A/U 59, 75 Ohm, RG A/U 62, 93 Ohm, RG A/U 58, 50 Ohm.....	114.62		47.43
26 05 19 16		Low-Voltage, Single-And Multi-Conductor Cables <small>(26 05 19)</small>			
26 05 19 16-0001		Cable Installation Methods <small>(26 05 19 16)</small>			
26 05 19 16-0002		Pull Cord <small>(26 05 19 16-0001)</small>			
		Note: Left in conduit for others to pull cable. Not to be used when contractor has priced new wire in a conduit. Priced when owner wants a pull cord left in a conduit for owner to pull wire at a later time.			
26 05 19 16-0003	LF	Pull String Installed To Remain In Place, In Existing Conduit.....	0.32		
26 05 19 16-0004	LF	Pull String Installed To Remain In Place, In New Conduits.....	0.17		
26 05 19 16-0005	LF	1/4" Nylon Pull Cord Installed To Remain In Place, In Existing Conduit.....	0.71		
26 05 19 16-0006	LF	1/4" Nylon Pull Cord Installed To Remain In Place, In New Conduits.....	0.40		
26 05 19 16-0007		Bore Conduit Into Dirt Or Sand <small>(26 05 19 16-0001)</small>			
		Note: For installation under roads, driveways or other structures up to 20'.			
26 05 19 16-0008	LF	Bore 1" To 4" Conduit Into Dirt Or Sand.....	2.40		
26 05 19 16-0009	LF	Bore 5" To 8" Conduit Into Dirt Or Sand.....	3.05		
26 05 19 16-0010	EA	Boring Minimum Set-Up Charge.....	335.33		
		Note: For projects where the total boring charge is less than the minimum set-up charge. Use this item exclusively. This item should not be used in conjunction with any other items in this section.			
26 05 19 16-0011		Wire and Cable <small>(26 05 19 16)</small>			
		Note: Pulled in conduit except as noted. Includes pull wires, pulling branch circuit conductors, testing, and splicing (#8 and lighter). All conductors are copper except as otherwise noted. No special set-up is required. Excludes terminations.			
26 05 19 16-0012		Multi-Conductor Cords, Cables And Associated Equipment <small>(26 05 19 16-0011)</small>			
26 05 19 16-0013		Multi-Conductor Cords <small>(26 05 19 16-0012)</small>			
		Note: Includes installation in cable tray, surface mounting or installation between junction boxes. Excludes strain relief devices, plugs and connector bodies.			
26 05 19 16-0014		Multi-Conductor Type SOOW And SJOOW Cord <small>(26 05 19 16-0013)</small>			
		Note: Includes ethylene propylene diene monomer (EPDM) rubber insulation.			
26 05 19 16-0015		300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord <small>(26 05 19 16-0014)</small>			
26 05 19 16-0016		#18, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord <small>(26 05 19 16-0015)</small>			
26 05 19 16-0017	LF	2/c #18, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene).....	1.06		0.41
26 05 19 16-0018	LF	3/c #18, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene).....	1.10		0.41
26 05 19 16-0019	LF	4/c #18, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene).....	1.24		0.41
26 05 19 16-0020		#16, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord <small>(26 05 19 16-0015)</small>			
26 05 19 16-0021	LF	2/c #16, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene).....	1.22		0.41
26 05 19 16-0022	LF	3/c #16, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene).....	1.31		0.41
26 05 19 16-0023	LF	4/c #16, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene).....	1.43		0.41
26 05 19 16-0024		#14, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord <small>(26 05 19 16-0015)</small>			
26 05 19 16-0025	LF	2/c #14, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene).....	1.38		0.41
26 05 19 16-0026	LF	3/c #14, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene).....	1.52		0.41
26 05 19 16-0027	LF	4/c #14, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene).....	1.78		0.41



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 19 16-0028				#12, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord <small>(26 05 19 16-0015)</small>		
26 05 19 16-0029	LF			2/c #12, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene).....	1.60	0.41
26 05 19 16-0030	LF			3/c #12, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene).....	1.77	0.41
26 05 19 16-0031	LF			4/c #12, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene).....	1.99	0.41
26 05 19 16-0032				#10, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord <small>(26 05 19 16-0015)</small>		
26 05 19 16-0033	LF			2/c #10, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene).....	2.10	0.52
26 05 19 16-0034	LF			3/c #10, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene).....	2.21	0.52
26 05 19 16-0035	LF			4/c #10, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene).....	2.38	0.52
26 05 19 16-0036				600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord <small>(26 05 19 16-0014)</small>		
26 05 19 16-0037				#18, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord <small>(26 05 19 16-0036)</small>		
26 05 19 16-0038	LF			2/c #18, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene).....	1.11	0.41
26 05 19 16-0039	LF			3/c #18, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene).....	1.20	0.41
26 05 19 16-0040	LF			4/c #18, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene).....	1.33	0.41
26 05 19 16-0041	LF			5/c #18, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	2.32	0.56
26 05 19 16-0042	LF			6/c #18, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	2.54	0.57
26 05 19 16-0043	LF			7/c #18, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	2.70	0.59
26 05 19 16-0044	LF			8/c #18, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	2.97	0.61
26 05 19 16-0045	LF			10/c #18, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	3.42	0.64
26 05 19 16-0046	LF			12/c #18, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	3.91	0.65
26 05 19 16-0047	LF			14/c #18, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	5.17	0.67
26 05 19 16-0048	LF			16/c #18, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	5.27	0.68
26 05 19 16-0049	LF			18/c #18, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	5.42	0.70
26 05 19 16-0050	LF			20/c #18, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	6.03	0.71
26 05 19 16-0051	LF			24/c #18, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	7.62	0.73
26 05 19 16-0052	LF			30/c #18, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	7.94	0.78
26 05 19 16-0053				#16, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord <small>(26 05 19 16-0036)</small>		
26 05 19 16-0054	LF			2/c #16, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene).....	1.31	0.41
26 05 19 16-0055	LF			3/c #16, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene).....	1.39	0.41
26 05 19 16-0056	LF			4/c #16, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene).....	1.56	0.41
26 05 19 16-0057	LF			5/c #16, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	2.43	0.56
26 05 19 16-0058	LF			6/c #16, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	2.69	0.57
26 05 19 16-0059	LF			7/c #16, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	2.93	0.59
26 05 19 16-0060	LF			8/c #16, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	3.26	0.61
26 05 19 16-0061	LF			9/c #16, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	3.39	0.62
26 05 19 16-0062	LF			10/c #16, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	3.77	0.64
26 05 19 16-0063	LF			12/c #16, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	4.41	0.65
26 05 19 16-0064	LF			14/c #16, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	4.73	0.67
26 05 19 16-0065	LF			16/c #16, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	5.36	0.68
26 05 19 16-0066	LF			18/c #16, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	6.20	0.70
26 05 19 16-0067	LF			20/c #16, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	6.96	0.71
26 05 19 16-0068	LF			24/c #16, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	8.43	0.73
26 05 19 16-0069	LF			26/c #16, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	9.27	0.75
26 05 19 16-0070	LF			30/c #16, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	10.80	0.78
26 05 19 16-0071				#14, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord <small>(26 05 19 16-0036)</small>		
26 05 19 16-0072	LF			2/c #14, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene).....	1.54	0.41
26 05 19 16-0073	LF			3/c #14, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene).....	1.64	0.41
26 05 19 16-0074	LF			4/c #14, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene).....	1.87	0.41
26 05 19 16-0075	LF			5/c #14, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	3.17	0.56
26 05 19 16-0076	LF			6/c #14, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	3.81	0.57
26 05 19 16-0077	LF			7/c #14, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	4.02	0.59
26 05 19 16-0078	LF			8/c #14, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	4.54	0.61
26 05 19 16-0079	LF			9/c #14, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	4.89	0.62
26 05 19 16-0080	LF			10/c #14, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	5.46	0.64
26 05 19 16-0081	LF			12/c #14, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	6.01	0.65
26 05 19 16-0082	LF			14/c #14, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	6.64	0.67
26 05 19 16-0083	LF			16/c #14, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	8.00	0.68
26 05 19 16-0084	LF			20/c #14, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	8.98	0.71
26 05 19 16-0085	LF			24/c #14, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	10.60	0.73
26 05 19 16-0086	LF			30/c #14, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	12.54	0.78
26 05 19 16-0087				#12, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord <small>(26 05 19 16-0036)</small>		
26 05 19 16-0088	LF			2/c #12, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene).....	1.78	0.41
26 05 19 16-0089	LF			3/c #12, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene).....	1.96	0.41
26 05 19 16-0090	LF			4/c #12, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene).....	2.14	0.41
26 05 19 16-0091	LF			5/c #12, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	3.64	0.56

26 Electrical**26 05 Common Work Results For Electrical****26 05 19 Low-Voltage Electrical Power Conductors And Cables**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 19 16-0092	LF		6/c #12, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	4.23	0.57
26 05 19 16-0093	LF		7/c #12, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	4.83	0.59
26 05 19 16-0094	LF		8/c #12, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	5.49	0.61
26 05 19 16-0095	LF		9/c #12, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	5.95	0.62
26 05 19 16-0096	LF		10/c #12, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	6.74	0.64
26 05 19 16-0097	LF		12/c #12, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	7.69	0.65
26 05 19 16-0098	LF		14/c #12, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	8.56	0.67
26 05 19 16-0099	LF		16/c #12, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	9.44	0.68
26 05 19 16-0100	LF		18/c #12, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	9.86	0.70
26 05 19 16-0101	LF		20/c #12, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	11.37	0.71
26 05 19 16-0102	LF		24/c #12, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	12.93	0.73
26 05 19 16-0103	LF		26/c #12, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	14.48	0.75
26 05 19 16-0104	LF		28/c #12, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	14.98	0.76
26 05 19 16-0105	LF		30/c #12, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	15.53	0.78
26 05 19 16-0106			#10, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (26 05 19 16-0036)		
26 05 19 16-0107	LF		2/c #10, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene).....	2.05	0.52
26 05 19 16-0108	LF		3/c #10, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene).....	2.20	0.52
26 05 19 16-0109	LF		4/c #10, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene).....	2.37	0.52
26 05 19 16-0110	LF		5/c #10, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	3.14	0.56
26 05 19 16-0111	LF		6/c #10, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	5.19	0.57
26 05 19 16-0112	LF		7/c #10, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	6.11	0.59
26 05 19 16-0113	LF		10/c #10, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	7.88	0.64
26 05 19 16-0114	LF		12/c #10, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	9.04	0.65
26 05 19 16-0115	LF		16/c #10, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	11.55	0.68
26 05 19 16-0116	LF		20/c #10, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	16.84	0.71
26 05 19 16-0117			#8, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (26 05 19 16-0036)		
26 05 19 16-0118	LF		3/c #8, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene).....	4.15	0.62
26 05 19 16-0119	LF		4/c #8, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene).....	4.51	0.72
26 05 19 16-0120	LF		5/c #8, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene).....	6.17	0.72
26 05 19 16-0121			#6, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (26 05 19 16-0036)		
26 05 19 16-0122	LF		3/c #6, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene).....	5.97	0.72
26 05 19 16-0123	LF		4/c #6, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene).....	7.21	0.83
26 05 19 16-0124	LF		5/c #6, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene).....	8.65	1.04
26 05 19 16-0125			#4, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (26 05 19 16-0036)		
26 05 19 16-0126	LF		3/c #4, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene).....	9.54	1.04
26 05 19 16-0127	LF		4/c #4, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene).....	10.47	1.14
26 05 19 16-0128	LF		5/c #4, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene).....	12.65	1.24
26 05 19 16-0129			#2, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (26 05 19 16-0036)		
26 05 19 16-0130	LF		3/c #2, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene).....	14.28	2.07
26 05 19 16-0131	LF		4/c #2, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene).....	18.18	2.59
26 05 19 16-0132	LF		5/c #2, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene).....	21.96	3.43
26 05 19 16-0133			300 Volt, 105 Degree Celsius, Multi-Conductor Type SJOOW Cord (26 05 19 16-0014)		
26 05 19 16-0134			#18, 300 Volt, Multi-Conductor Type SJOOW Cord (26 05 19 16-0133)		
26 05 19 16-0135	LF		2/c #18, 300 Volt, 105 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Super Vu-Tron III).....	1.43	0.41
26 05 19 16-0136	LF		3/c #18, 300 Volt, 105 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Super Vu-Tron III).....	1.58	0.41
26 05 19 16-0137	LF		4/c #18, 300 Volt, 105 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Super Vu-Tron III).....	1.88	0.41
26 05 19 16-0138			#16, 300 Volt, Multi-Conductor Type SJOOW Cord (26 05 19 16-0133)		
26 05 19 16-0139	LF		2/c #16, 300 Volt, 105 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Super Vu-Tron III).....	1.53	0.41
26 05 19 16-0140	LF		3/c #16, 300 Volt, 105 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Super Vu-Tron III).....	1.76	0.41
26 05 19 16-0141	LF		4/c #16, 300 Volt, 105 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Super Vu-Tron III).....	1.87	0.41
26 05 19 16-0142			#14, 300 Volt, Multi-Conductor Type SJOOW Cord (26 05 19 16-0133)		
26 05 19 16-0143	LF		2/c #14, 300 Volt, 105 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Super Vu-Tron III).....	2.12	0.41
26 05 19 16-0144	LF		3/c #14, 300 Volt, 105 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Super Vu-Tron III).....	3.09	0.41
26 05 19 16-0145	LF		4/c #14, 300 Volt, 105 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Super Vu-Tron III).....	3.96	0.52
26 05 19 16-0146			600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (26 05 19 16-0014)		
26 05 19 16-0147			#18, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (26 05 19 16-0146)		
26 05 19 16-0148	LF		2/c #18, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III).....	2.04	0.41



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 19 16-0149 LF 3/c #18, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III).....	2.45	0.41
26 05 19 16-0150 LF 4/c #18, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III).....	2.88	0.41
26 05 19 16-0151 #16, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord <small>(26 05 19 16-0146)</small>		
26 05 19 16-0152 LF 2/c #16, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III).....	2.19	0.41
26 05 19 16-0153 LF 3/c #16, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III).....	2.60	0.41
26 05 19 16-0154 LF 4/c #16, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III).....	3.26	0.41
26 05 19 16-0155 LF 5/c #16, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III).....	3.53	0.52
26 05 19 16-0156 #14, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord <small>(26 05 19 16-0146)</small>		
26 05 19 16-0157 LF 3/c #14, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III).....	2.70	0.41
26 05 19 16-0158 LF 4/c #14, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III).....	3.24	0.41
26 05 19 16-0159 LF 5/c #14, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III).....	3.62	0.52
26 05 19 16-0160 #12, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord <small>(26 05 19 16-0146)</small>		
26 05 19 16-0161 LF 3/c #12, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III).....	3.21	0.41
26 05 19 16-0162 LF 4/c #12, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III).....	3.68	0.41
26 05 19 16-0163 LF 5/c #12, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III).....	4.11	0.52
26 05 19 16-0164 #10, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord <small>(26 05 19 16-0146)</small>		
26 05 19 16-0165 LF 3/c #10, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III).....	3.68	0.52
26 05 19 16-0166 LF 4/c #10, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III).....	4.10	0.52
26 05 19 16-0167 LF 5/c #10, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III).....	4.53	0.52
26 05 19 16-0168 Multi-Conductor Type SEOW Cord <small>(26 05 19 16-0013)</small> Note: Includes thermoplastic elastomeric (TPE) insulation.		
26 05 19 16-0169 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord <small>(26 05 19 16-0168)</small>		
26 05 19 16-0170 #16, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord <small>(26 05 19 16-0169)</small>		
26 05 19 16-0171 LF 3/c #16, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord.....	1.54	0.41
26 05 19 16-0172 LF 4/c #16, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord.....	1.70	0.41
26 05 19 16-0173 LF 5/c #16, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord.....	2.60	0.52
26 05 19 16-0174 #14, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord <small>(26 05 19 16-0169)</small>		
26 05 19 16-0175 LF 3/c #14, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord.....	2.04	0.41
26 05 19 16-0176 LF 4/c #14, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord.....	2.35	0.41
26 05 19 16-0177 LF 5/c #14, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord.....	3.38	0.52
26 05 19 16-0178 #12, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord <small>(26 05 19 16-0169)</small>		
26 05 19 16-0179 LF 3/c #12, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord.....	2.54	0.41
26 05 19 16-0180 LF 4/c #12, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord.....	2.94	0.41
26 05 19 16-0181 LF 5/c #12, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord.....	3.71	0.52
26 05 19 16-0182 #10, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord <small>(26 05 19 16-0169)</small>		
26 05 19 16-0183 LF 3/c #10, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord.....	3.23	0.52
26 05 19 16-0184 LF 4/c #10, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord.....	3.71	0.52
26 05 19 16-0185 LF 5/c #10, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord.....	3.98	0.52
26 05 19 16-0186 Multi-Conductor Type W Cord <small>(26 05 19 16-0013)</small> Note: Includes ethylene propylene diene monomer (EPDM) rubber insulation.		
26 05 19 16-0187 2,000 Volt, 90 Degree Celsius, Multi-Conductor Type W Cord <small>(26 05 19 16-0186)</small>		
26 05 19 16-0188 #8, 2,000 Volt, 90 Degree Celsius, Multi-Conductor Type W Cord <small>(26 05 19 16-0187)</small>		
26 05 19 16-0189 LF 3/c #8, 2,000 Volt, 90 Degree Celsius, Multi-Conductor Type W Cord (Carol Super Vu-Tron).....	4.55	0.62
26 05 19 16-0190 LF 4/c #8, 2,000 Volt, 90 Degree Celsius, Multi-Conductor Type W Cord (Carol Super Vu-Tron).....	4.89	0.72
26 05 19 16-0191 LF 5/c #8, 2,000 Volt, 90 Degree Celsius, Multi-Conductor Type W Cord (Carol Super Vu-Tron).....	5.79	0.72
26 05 19 16-0192 #6, 2,000 Volt, 90 Degree Celsius, Multi-Conductor Type W Cord <small>(26 05 19 16-0187)</small>		
26 05 19 16-0193 LF 3/c #6, 2,000 Volt, 90 Degree Celsius, Multi-Conductor Type W Cord (Carol Super Vu-Tron).....	4.88	0.72
26 05 19 16-0194 LF 4/c #6, 2,000 Volt, 90 Degree Celsius, Multi-Conductor Type W Cord (Carol Super Vu-Tron).....	5.83	0.83
26 05 19 16-0195 LF 5/c #6, 2,000 Volt, 90 Degree Celsius, Multi-Conductor Type W Cord (Carol Super Vu-Tron).....	7.24	1.04
26 05 19 16-0196 #4, 2,000 Volt, 90 Degree Celsius, Multi-Conductor Type W Cord <small>(26 05 19 16-0187)</small>		
26 05 19 16-0197 LF 3/c #4, 2,000 Volt, 90 Degree Celsius, Multi-Conductor Type W Cord (Carol Super Vu-Tron).....	6.66	0.72

26 Electrical**26 05 Common Work Results For Electrical****26 05 19 Low-Voltage Electrical Power Conductors And Cables**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 19 16-0198 LF 4/c #4, 2,000 Volt, 90 Degree Celsius, Multi-Conductor Type W Cord (Carol Super Vu-Tron).....	7.87	0.83
26 05 19 16-0199 LF 5/c #4, 2,000 Volt, 90 Degree Celsius, Multi-Conductor Type W Cord (Carol Super Vu-Tron).....	10.12	1.04
26 05 19 16-0200 Cord Grips, Cable Reels, Extension Cords, And Accessories (26 05 19 16-0012)		
26 05 19 16-0201 Cord Grips (26 05 19 16-0200)		
26 05 19 16-0202 EA Cord Grip With Watertight Connector For 1/2" NPT Zinc Plated Steel.....	64.71	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	18.86	
26 05 19 16-0203 EA Cord Grip With Watertight Connector For 3/4" NPT Zinc Plated Steel.....	64.92	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	18.86	
26 05 19 16-0204 Cable Reels (26 05 19 16-0200)		
Note: Includes handling, mounting, electrical connections and installing cord.		
26 05 19 16-0205 EA 30', 16-3, SJO, Extension Cord Reel (Cox Reels PC10-3016-A).....	532.35	51.88
26 05 19 16-0206 EA 50', 10-4, SEOWW, Extension Cord Reel (Reelcraft L 7050 104 X 1).....	1,453.20	51.88
26 05 19 16-0207 EA 50', 16-3, SOOW, Extension Cord Reel (KH Industries RTFD3L-WW-B16K).....	1,089.19	51.88
26 05 19 16-0208 Extension Cords (26 05 19 16-0200)		
26 05 19 16-0209 EA Extension Cord, 120 Volt 12/3, 100 Ft.....	86.76	
26 05 19 16-0210 EA Extension Cord, 240 Volt 10/3, 100 Ft.....	130.50	
26 05 19 16-0211 Plugs And Connector Bodies (26 05 19 16-0200)		
Note: Up to 277 volts.		
26 05 19 16-0212 NEMA Twist-Lock Plugs (26 05 19 16-0211)		
26 05 19 16-0213 EA 15 Amp, 2 Pole 2 Wire, NEMA Twist-Lock Plug (Hubbell HBL7545C).....	69.17	
26 05 19 16-0214 EA 15 Amp, 2 Pole 3 Wire, NEMA Twist-Lock Plug (Hubbell HBL4770CBK).....	70.50	
26 05 19 16-0215 EA 20 Amp, 2 Pole 2 Wire, NEMA Twist-Lock Plug (Hubbell HBL7102C).....	64.90	
26 05 19 16-0216 EA 20 Amp, 2 Pole 3 Wire, NEMA Twist-Lock Plug (Hubbell HBL2331).....	69.00	
26 05 19 16-0217 EA 20 Amp, 3 Pole 4 Wire, NEMA Twist-Lock Plug (Hubbell HBL2411).....	88.23	
26 05 19 16-0218 EA 20 Amp, 4 Pole 4 Wire, NEMA Twist-Lock Plug (Hubbell HBL2441).....	93.44	
26 05 19 16-0219 EA 20 Amp, 4 Pole 5 Wire, NEMA Twist-Lock Plug (Hubbell HBL2511BK).....	98.54	
26 05 19 16-0220 EA 30 Amp, 2 Pole 3 Wire, NEMA Twist-Lock Plug (Hubbell HBL2611BK).....	89.00	
26 05 19 16-0221 EA 30 Amp, 3 Pole 4 Wire, NEMA Twist-Lock Plug (Hubbell HBL2711BK).....	101.53	
26 05 19 16-0222 EA 30 Amp, 4 Pole 4 Wire, NEMA Twist-Lock Plug (Hubbell HBL2761).....	103.97	
26 05 19 16-0223 EA 30 Amp, 4 Pole 5 Wire, NEMA Twist-Lock Plug (Hubbell HBL2811BK).....	107.07	
26 05 19 16-0224 NEMA Twist-Lock Connector Bodies (26 05 19 16-0211)		
26 05 19 16-0225 EA 15 Amp, 2 Pole 2 Wire, NEMA Twist-Lock Connector Body (Hubbell HBL7506C).....	72.94	
26 05 19 16-0226 EA 15 Amp, 2 Pole 3 Wire, NEMA Twist-Lock Connector Body (Hubbell HBL4779C).....	77.65	
26 05 19 16-0227 EA 20 Amp, 2 Pole 2 Wire, NEMA Twist-Lock Connector Body (Hubbell HBL7101C).....	67.73	
26 05 19 16-0228 EA 20 Amp, 2 Pole 3 Wire, NEMA Twist-Lock Connector Body (Hubbell HBL2323BK).....	89.00	
26 05 19 16-0229 EA 20 Amp, 3 Pole 4 Wire, NEMA Twist-Lock Connector Body (Hubbell HBL2413BK).....	102.75	
26 05 19 16-0230 EA 20 Amp, 4 Pole 4 Wire, NEMA Twist-Lock Connector Body (Hubbell HBL2443).....	109.40	
26 05 19 16-0231 EA 20 Amp, 4 Pole 5 Wire, NEMA Twist-Lock Connector Body (Hubbell HBL2513BK).....	131.78	
26 05 19 16-0232 EA 30 Amp, 2 Pole 3 Wire, NEMA Twist-Lock Connector Body (Hubbell HBL2623BK).....	126.13	
26 05 19 16-0233 EA 30 Amp, 3 Pole 4 Wire, NEMA Twist-Lock Connector Body (Hubbell HBL2713BK).....	154.17	
26 05 19 16-0234 EA 30 Amp, 4 Pole 4 Wire, NEMA Twist-Lock Connector Body (Hubbell HBL2753).....	161.59	
26 05 19 16-0235 EA 30 Amp, 4 Pole 5 Wire, NEMA Twist-Lock Connector Body (Hubbell HBL2813BK).....	153.50	
26 05 19 16-0236 Watertight Pin And Sleeve Plug (26 05 19 16-0211)		
26 05 19 16-0237 EA 20 Amp, 2 Pole, 3 Wire, 125 Volt, Watertight Pin And Sleeve Plug (Hubbell 320P4W).....	169.79	31.13
26 05 19 16-0238 EA 20 Amp, 2 Pole, 3 Wire, 250 Volt, Watertight Pin And Sleeve Plug (Hubbell 320P6W).....	171.35	31.13
26 05 19 16-0239 EA 20 Amp, 2 Pole, 3 Wire, 480 Volt, Watertight Pin And Sleeve Plug (Hubbell 320P7W).....	183.46	31.13
26 05 19 16-0240 EA 20 Amp, 3 Pole, 4 Wire, 125/250 Volt, Watertight Pin And Sleeve Plug (Hubbell 420P12W).....	186.04	34.24
26 05 19 16-0241 EA 20 Amp, 3 Pole, 4 Wire, 250 Volt, Watertight Pin And Sleeve Plug (Hubbell 420P9W).....	183.69	34.24
26 05 19 16-0242 EA 20 Amp, 3 Pole, 4 Wire, 480 Volt, Watertight Pin And Sleeve Plug (Hubbell 420P7W).....	184.39	34.24
26 05 19 16-0243 EA 30 Amp, 2 Pole, 3 Wire, 125 Volt, Watertight Pin And Sleeve Plug (Hubbell 330P4W).....	252.18	38.29
26 05 19 16-0244 EA 30 Amp, 2 Pole, 3 Wire, 250 Volt, Watertight Pin And Sleeve Plug (Hubbell 330P6W).....	246.33	38.29
26 05 19 16-0245 EA 30 Amp, 2 Pole, 3 Wire, 480 Volt, Watertight Pin And Sleeve Plug (Hubbell 330P7W).....	271.46	38.29
26 05 19 16-0246 EA 30 Amp, 3 Pole, 4 Wire, 125/250 Volt, Watertight Pin And Sleeve Plug (Hubbell 430P12W).....	269.97	42.03
26 05 19 16-0247 EA 30 Amp, 3 Pole, 4 Wire, 250 Volt, Watertight Pin And Sleeve Plug (Hubbell 430P9W).....	259.81	42.03
26 05 19 16-0248 EA 30 Amp, 3 Pole, 4 Wire, 480 Volt, Watertight Pin And Sleeve Plug (Hubbell 430P7W).....	266.80	42.03
26 05 19 16-0249 EA 60 Amp, 2 Pole, 3 Wire, 125 Volt, Watertight Pin And Sleeve Plug (Hubbell 360P4W).....	340.99	49.81
26 05 19 16-0250 EA 60 Amp, 2 Pole, 3 Wire, 250 Volt, Watertight Pin And Sleeve Plug (Hubbell 360P6W).....	346.56	49.81
26 05 19 16-0251 EA 60 Amp, 2 Pole, 3 Wire, 480 Volt, Watertight Pin And Sleeve Plug (Hubbell 360P7W).....	333.35	49.81
26 05 19 16-0252 EA 60 Amp, 3 Pole, 4 Wire, 125/250 Volt, Watertight Pin And Sleeve Plug (Hubbell 460P12W).....	378.66	55.41
26 05 19 16-0253 EA 60 Amp, 3 Pole, 4 Wire, 250 Volt, Watertight Pin And Sleeve Plug (Hubbell 460P9W).....	369.99	55.41
26 05 19 16-0254 EA 60 Amp, 3 Pole, 4 Wire, 480 Volt, Watertight Pin And Sleeve Plug (Hubbell 460P7W).....	373.74	55.41
26 05 19 16-0255 EA 100 Amp, 3 Pole, 3 Wire, 250 Volt, Watertight Pin And Sleeve Plug (Hubbell 3100P6W).....	463.42	62.25
26 05 19 16-0256 EA 100 Amp, 2 Pole, 3 Wire, 480 Volt, Watertight Pin And Sleeve Plug (Hubbell 3100P7W).....	484.94	62.25
26 05 19 16-0257 EA 100 Amp, 3 Pole, 4 Wire, 125/250 Volt, Watertight Pin And Sleeve Plug (Hubbell 4100P12W).....	478.58	68.48
26 05 19 16-0258 EA 100 Amp, 3 Pole, 4 Wire, 250 Volt, Watertight Pin And Sleeve Plug (Hubbell 4100P9W).....	471.23	68.48
26 05 19 16-0259 EA 100 Amp, 3 Pole, 4 Wire, 480 Volt, Watertight Pin And Sleeve Plug (Hubbell 4100P7W).....	475.20	68.48



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 19 16-0260 Watertight Pin And Sleeve Connector <small>(26 05 19 16-0211)</small>						
	EA			20 Amp, 2 Pole, 3 Wire, 125 Volt, Watertight Pin And Sleeve Connector (Hubbell 320C4W)	178.76	31.13
	EA			20 Amp, 2 Pole, 3 Wire, 250 Volt, Watertight Pin And Sleeve Connector (Hubbell 320C6W)	179.84	31.13
	EA			20 Amp, 2 Pole, 3 Wire, 480 Volt, Watertight Pin And Sleeve Connector (Hubbell 320C7W)	207.73	31.13
	EA			20 Amp, 3 Pole, 4 Wire, 125/250 Volt, Watertight Pin And Sleeve Connector (Hubbell 420C12W)	208.64	34.24
	EA			20 Amp, 3 Pole, 4 Wire, 250 Volt, Watertight Pin And Sleeve Connector (Hubbell 420C9W)	205.81	34.24
	EA			20 Amp, 3 Pole, 4 Wire, 480 Volt, Watertight Pin And Sleeve Connector (Hubbell 420C7W)	208.37	34.24
	EA			30 Amp, 2 Pole, 3 Wire, 125 Volt, Watertight Pin And Sleeve Connector (Hubbell 330C4W)	257.54	38.29
	EA			30 Amp, 2 Pole, 3 Wire, 250 Volt, Watertight Pin And Sleeve Connector (Hubbell 330C6W)	257.48	38.29
	EA			30 Amp, 2 Pole, 3 Wire, 480 Volt, Watertight Pin And Sleeve Connector (Hubbell 330C7W)	267.10	38.29
	EA			30 Amp, 3 Pole, 4 Wire, 125/250 Volt, Watertight Pin And Sleeve Connector (Hubbell 430C12W)	267.36	42.03
	EA			30 Amp, 3 Pole, 4 Wire, 250 Volt, Watertight Pin And Sleeve Connector (Hubbell 430C9W)	269.34	42.03
	EA			30 Amp, 3 Pole, 4 Wire, 480 Volt, Watertight Pin And Sleeve Connector (Hubbell 430C7W)	267.25	42.03
	EA			60 Amp, 2 Pole, 3 Wire, 125 Volt, Watertight Pin And Sleeve Connector (Hubbell 360C4W)	395.96	49.81
	EA			60 Amp, 2 Pole, 3 Wire, 250 Volt, Watertight Pin And Sleeve Connector (Hubbell 360C6W)	384.18	49.81
	EA			60 Amp, 2 Pole, 3 Wire, 480 Volt, Watertight Pin And Sleeve Connector (Hubbell 360C7W)	377.16	49.81
	EA			60 Amp, 3 Pole, 4 Wire, 125/250 Volt, Watertight Pin And Sleeve Connector (Hubbell 460C12W)	411.38	55.41
	EA			60 Amp, 3 Pole, 4 Wire, 250 Volt, Watertight Pin And Sleeve Connector (Hubbell 460C9W)	421.62	55.41
	EA			60 Amp, 3 Pole, 4 Wire, 480 Volt, Watertight Pin And Sleeve Connector (Hubbell 460C7W)	422.37	55.41
	EA			100 Amp, 2 Pole, 3 Wire, 250 Volt, Watertight Pin And Sleeve Connector (Hubbell 3100C6W)	523.72	62.25
	EA			100 Amp, 2 Pole, 3 Wire, 480 Volt, Watertight Pin And Sleeve Connector (Hubbell 3100C7W)	537.23	62.25
	EA			100 Amp, 3 Pole, 4 Wire, 125/250 Volt, Watertight Pin And Sleeve Connector (Hubbell 4100C12W)	581.42	68.48
	EA			100 Amp, 3 Pole, 4 Wire, 250 Volt, Watertight Pin And Sleeve Connector (Hubbell 4100C9W)	562.86	68.48
	EA			100 Amp, 3 Pole, 4 Wire, 480 Volt, Watertight Pin And Sleeve Connector (Hubbell 4100C7W)	569.19	68.48
26 05 19 16-0284 Accessories <small>(26 05 19 16-0200)</small>						
	EA			1/2" Straight Steel Cord Connector	39.88	10.38
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.23	
	EA			1/2" Straight Nylon Cord Connector	25.14	7.78
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.67	
	EA			1/2" 90 Degree Steel Cord Connector	46.50	12.97
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.78	
	EA			1/2" 90 Degree Nylon Cord Connector	31.03	10.38
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.23	
	EA			1/2" Straight Steel Cord Connector With Strain Relief Mesh	46.03	12.97
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.78	
	EA			1/2" 90 Degree Steel Cord Connector With Strain Relief Mesh	74.31	15.57
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.34	
	EA			1/2" Straight Nylon Cord Connector With Strain Relief Mesh	30.67	10.38
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.23	
	EA			1/2" 90 Degree Nylon Cord Connector With Strain Relief Mesh	48.26	12.97
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.79	
	EA			3/4" Straight Steel Cord Connector	41.23	10.38
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.23	
	EA			3/4" Straight Nylon Cord Connector	25.81	7.78
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.67	
	EA			3/4" 90 Degree Steel Cord Connector	50.71	12.97
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.78	
	EA			3/4" 90 Degree Nylon Cord Connector	33.15	10.38
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.23	
	EA			3/4" Straight Steel Cord Connector With Strain Relief Mesh	52.64	15.57
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.34	
	EA			3/4" 90 Degree Steel Cord Connector With Strain Relief Mesh	62.32	18.16
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.89	
	EA			3/4" Straight Nylon Cord Connector With Strain Relief Mesh	37.28	12.97
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.79	
	EA			3/4" 90 Degree Nylon Cord Connector With Strain Relief Mesh	44.94	15.57
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.34	
	EA			1" Straight Steel Cord Connector	49.87	10.38
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.23	
	EA			1" Straight Nylon Cord Connector	30.13	7.78
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.67	
	EA			1" 90 Degree Steel Cord Connector	56.42	12.97
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.78	
	EA			1" 90 Degree Nylon Cord Connector	36.00	10.38
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.23	
	EA			1" Straight Steel Cord Connector With Strain Relief Mesh	61.71	15.57
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.34	
	EA			1" 90 Degree Steel Cord Connector With Strain Relief Mesh	68.31	18.16
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.89	
	EA			1" Straight Nylon Cord Connector With Strain Relief Mesh	41.88	12.97
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.79	
	EA			1" 90 Degree Nylon Cord Connector With Strain Relief Mesh	48.83	15.57
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.34	
26 05 19 16-0309 600 Volt Wire <small>(26 05 19 16-0011)</small>						
26 05 19 16-0310 Single Solid Conductor, Copper <small>(26 05 19 16-0309)</small>						
	MLF			#14 AWG Cable - Type THHN-THWN, 600 Volt Copper, Single Solid, Placed In Conduit	532.97	230.22
	MLF			#12 AWG Cable - Type THHN-THWN, 600 Volt Copper, Single Solid, Placed In Conduit	657.30	270.82

26 Electrical**26 05 Common Work Results For Electrical****26 05 19 Low-Voltage Electrical Power Conductors And Cables**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 19 16-0313 MLF #10 AWG Cable - Type THHN-THWN, 600 Volt Copper, Single Solid, Placed In Conduit.....	797.10	331.15
26 05 19 16-0314 MLF #14 AWG Cable - Type XHHW, 600 Volt Copper, Single Solid, Placed In Conduit.....	672.97	230.22
26 05 19 16-0315 MLF #12 AWG Cable - Type XHHW, 600 Volt Copper, Single Solid, Placed In Conduit.....	804.50	270.82
26 05 19 16-0316 MLF #10 AWG Cable - Type XHHW, 600 Volt Copper, Single Solid, Placed In Conduit.....	951.13	331.15
26 05 19 16-0317 Power Cable, Stranded Conductor, Copper (26 05 19 16-0309)		
26 05 19 16-0318 Power Cable, Stranded, Single Conductor, XHHW (26 05 19 16-0317)		
26 05 19 16-0319 MLF #16 AWG Cable - XLP (XHHW), 600 Volt Copper, Single Stranded, Placed In Conduit.....	547.46	189.72
26 05 19 16-0320 MLF #14 AWG Cable - XLP (XHHW), 600 Volt Copper, Single Stranded, Placed In Conduit.....	650.06	227.66
26 05 19 16-0321 MLF #12 AWG Cable - XLP (XHHW), 600 Volt Copper, Single Stranded, Placed In Conduit.....	785.31	265.61
26 05 19 16-0322 MLF #10 AWG Cable - XLP (XHHW), 600 Volt Copper, Single Stranded, Placed In Conduit.....	942.61	303.54
26 05 19 16-0323 MLF #8 AWG Cable - XLP (XHHW), 600 Volt Copper, Single Stranded, Placed In Conduit.....	1,230.80	379.43
26 05 19 16-0324 MLF #6 AWG Cable - XLP (XHHW), 600 Volt Copper, Single Stranded, Placed In Conduit.....	1,604.91	455.31
26 05 19 16-0325 MLF #4 AWG Cable - XLP (XHHW), 600 Volt Copper, Single Stranded, Placed In Conduit.....	2,142.42	569.15
26 05 19 16-0326 MLF #3 AWG Cable - XLP (XHHW), 600 Volt Copper, Single Stranded, Placed In Conduit.....	2,506.19	645.03
26 05 19 16-0327 MLF #2 AWG Cable - XLP (XHHW), 600 Volt Copper, Single Stranded, Placed In Conduit.....	2,924.26	720.92
26 05 19 16-0328 MLF #1 AWG Cable - XLP (XHHW), 600 Volt Copper, Single Stranded, Placed In Conduit.....	3,527.28	796.81
26 05 19 16-0329 MLF 1/0 AWG Cable - XLP (XHHW), 600 Volt Copper, Single Stranded, Placed In Conduit.....	4,186.16	910.63
26 05 19 16-0330 MLF 2/0 AWG Cable - XLP (XHHW), 600 Volt Copper, Single Stranded, Placed In Conduit.....	4,947.62	1,024.46
26 05 19 16-0331 MLF 3/0 AWG Cable - XLP (XHHW), 600 Volt Copper, Single Stranded, Placed In Conduit.....	5,833.33	1,138.29
26 05 19 16-0332 MLF 4/0 AWG Cable - XLP (XHHW), 600 Volt Copper, Single Stranded, Placed In Conduit.....	6,877.33	1,252.12
26 05 19 16-0333 MLF 250 MCM Cable - XLP (XHHW), 600 Volt Copper, Single Stranded, Placed In Conduit.....	7,327.70	1,365.94
26 05 19 16-0334 MLF 300 MCM Cable - XLP (XHHW), 600 Volt Copper, Single Stranded, Placed In Conduit.....	8,547.58	1,479.78
26 05 19 16-0335 MLF 350 MCM Cable - XLP (XHHW), 600 Volt Copper, Single Stranded, Placed In Conduit.....	9,133.49	1,593.60
26 05 19 16-0336 MLF 400 MCM Cable - XLP (XHHW), 600 Volt Copper, Single Stranded, Placed In Conduit.....	10,140.57	1,707.43
26 05 19 16-0337 MLF 500 MCM Cable - XLP (XHHW), 600 Volt Copper, Single Stranded, Placed In Conduit.....	11,584.95	1,821.26
26 05 19 16-0338 MLF 600 MCM Cable - XLP (XHHW), 600 Volt Copper, Single Stranded, Placed In Conduit.....	13,216.19	1,973.03
26 05 19 16-0339 MLF 750 MCM Cable - XLP (XHHW), 600 Volt Copper, Single Stranded, Placed In Conduit.....	19,283.64	2,200.69
26 05 19 16-0340 MLF 1,000 MCM Cable - XLP (XHHW), 600 Volt Copper, Single Stranded, Placed In Conduit.....	26,670.81	2,580.12
26 05 19 16-0341 Power Cable, Stranded, Multi Conductor, XHHW (26 05 19 16-0317)		
26 05 19 16-0342 MLF 2/c #14 AWG Cable - XLP (XHHW), 600 Volt Copper, Stranded, Placed In Conduit.....	1,300.11	455.22
26 05 19 16-0343 MLF 3/c #14 AWG Cable - XLP (XHHW), 600 Volt Copper, Stranded, Placed In Conduit.....	1,570.74	531.30
26 05 19 16-0344 MLF 4/c #14 AWG Cable - XLP (XHHW), 600 Volt Copper, Stranded, Placed In Conduit.....	1,936.32	645.03
26 05 19 16-0345 MLF 6/c #14 AWG Cable - XLP (XHHW), 600 Volt Copper, Stranded, Placed In Conduit.....	2,239.57	701.66
26 05 19 16-0346 MLF 7/c #14 AWG Cable - XLP (XHHW), 600 Volt Copper, Stranded, Placed In Conduit.....	2,392.95	739.79
26 05 19 16-0347 MLF 9/c #14 AWG Cable - XLP (XHHW), 600 Volt Copper, Stranded, Placed In Conduit.....	2,767.09	815.58
26 05 19 16-0348 MLF 10/c #14 AWG Cable - XLP (XHHW), 600 Volt Copper, Stranded, Placed In Conduit.....	2,206.08	850.11
26 05 19 16-0349 MLF 12/c #14 AWG Cable - XLP (XHHW), 600 Volt Copper, Stranded, Placed In Conduit.....	3,294.97	929.60
26 05 19 16-0350 MLF 14/c #14 AWG Cable - XLP (XHHW), 600 Volt Copper, Stranded, Placed In Conduit.....	3,599.45	986.71
26 05 19 16-0351 MLF 24/c #14 AWG Cable - XLP (XHHW), 600 Volt Copper, Stranded, Placed In Conduit.....	5,072.40	1,252.21
26 05 19 16-0352 MLF 37/c #14 AWG Cable - XLP (XHHW), 600 Volt Copper, Stranded, Placed In Conduit.....	7,641.78	1,859.21
26 05 19 16-0353 MLF 2/c #12 AWG Cable - XLP (XHHW), 600 Volt Copper, Stranded, Placed In Conduit.....	1,570.84	531.30
26 05 19 16-0354 MLF 3/c #12 AWG Cable - XLP (XHHW), 600 Volt Copper, Stranded, Placed In Conduit.....	1,976.60	645.03
26 05 19 16-0355 MLF 4/c #12 AWG Cable - XLP (XHHW), 600 Volt Copper, Stranded, Placed In Conduit.....	2,382.36	758.86
26 05 19 16-0356 MLF 2/c #10 AWG Cable - XLP (XHHW), 600 Volt Copper, Stranded, Placed In Conduit.....	2,074.20	682.69
26 05 19 16-0357 MLF 3/c #10 AWG Cable - XLP (XHHW), 600 Volt Copper, Stranded, Placed In Conduit.....	2,636.32	833.98
26 05 19 16-0358 MLF 4/c #10 AWG Cable - XLP (XHHW), 600 Volt Copper, Stranded, Placed In Conduit.....	3,391.45	1,062.59
26 05 19 16-0359 MLF 6/c #10 AWG Cable - XLP (XHHW), 600 Volt Copper, Stranded, Placed In Conduit.....	4,518.52	1,366.41
26 05 19 16-0360 MLF 9/c #10 AWG Cable - XLP (XHHW), 600 Volt Copper, Stranded, Placed In Conduit.....	6,017.37	1,745.47
26 05 19 16-0361 MLF 2/c #8 AWG Cable - XLP (XHHW), 600 Volt Copper, Stranded, Placed In Conduit.....	2,509.02	777.83
26 05 19 16-0362 MLF 3/c #8 AWG Cable - XLP (XHHW), 600 Volt Copper, Stranded, Placed In Conduit.....	3,123.24	910.63
26 05 19 16-0363 MLF 4/c #8 AWG Cable - XLP (XHHW), 600 Volt Copper, Stranded, Placed In Conduit.....	4,022.04	1,157.26
26 05 19 16-0364 MLF 2/c #6 AWG Cable - XLP (XHHW), 600 Volt Copper, Stranded, Placed In Conduit.....	3,115.05	872.69
26 05 19 16-0365 MLF 3/c #6 AWG Cable - XLP (XHHW), 600 Volt Copper, Stranded, Placed In Conduit.....	4,103.29	1,081.37
26 05 19 16-0366 MLF 4/c #6 AWG Cable - XLP (XHHW), 600 Volt Copper, Stranded, Placed In Conduit.....	5,200.70	1,333.70
26 05 19 16-0367 MLF 2/c #4 AWG Cable - XLP (XHHW), 600 Volt Copper, Stranded, Placed In Conduit.....	4,086.03	1,058.79
26 05 19 16-0368 MLF 3/c #4 AWG Cable - XLP (XHHW), 600 Volt Copper, Stranded, Placed In Conduit.....	5,186.31	1,211.05
26 05 19 16-0369 MLF 4/c #4 AWG Cable - XLP (XHHW), 600 Volt Copper, Stranded, Placed In Conduit.....	6,656.31	1,511.26
26 05 19 16-0370 MLF 2/c #2 AWG Cable - XLP (XHHW), 600 Volt Copper, Stranded, Placed In Conduit.....	5,468.11	1,289.68
26 05 19 16-0371 MLF 3/c #2 AWG Cable - XLP (XHHW), 600 Volt Copper, Stranded, Placed In Conduit.....	6,971.40	1,442.21
26 05 19 16-0372 MLF 4/c #2 AWG Cable - XLP (XHHW), 600 Volt Copper, Stranded, Placed In Conduit.....	9,230.73	1,897.14
26 05 19 16-0373 MLF 3/c #1 AWG Cable - XLP (XHHW), 600 Volt Copper, Stranded, Placed In Conduit.....	9,158.20	1,820.98
26 05 19 16-0374 MLF 4/c #1 AWG Cable - XLP (XHHW), 600 Volt Copper, Stranded, Placed In Conduit.....	11,830.12	2,275.63
26 05 19 16-0375 MLF 3/c #1/0 AWG Cable - XLP (XHHW), 600 Volt Copper, Stranded, Placed In Conduit.....	10,662.21	1,973.41
26 05 19 16-0376 MLF 3/c #2/0 AWG Cable - XLP (XHHW), 600 Volt Copper, Stranded, Placed In Conduit.....	12,848.45	2,275.63
26 05 19 16-0377 MLF 3/c #3/0 AWG Cable - XLP (XHHW), 600 Volt Copper, Stranded, Placed In Conduit.....	15,599.99	2,654.87
26 05 19 16-0378 MLF 4/c #3/0 AWG Cable - XLP (XHHW), 600 Volt Copper, Stranded, Placed In Conduit.....	20,483.94	3,413.44
26 05 19 16-0379 MLF 3/c #4/0 AWG Cable - XLP (XHHW), 600 Volt Copper, Stranded, Placed In Conduit.....	18,836.20	3,038.00
26 05 19 16-0380 MLF 3/c 250 MCM Cable - XLP (XHHW), 600 Volt Copper, Stranded, Placed In Conduit.....	20,272.00	3,413.44
26 05 19 16-0381 MLF 3/c 350 MCM Cable - XLP (XHHW), 600 Volt Copper, Stranded, Placed In Conduit.....	24,934.13	3,794.29
26 05 19 16-0382 MLF 3/c 500 MCM Cable - XLP (XHHW), 600 Volt Copper, Stranded, Placed In Conduit.....	31,520.69	4,170.12
26 05 19 16-0383 Underground Feeder And Branch Circuit Suitable, Single Stranded Copper (26 05 19 16-0309) Note: Direct bury.		
26 05 19 16-0384 MLF #14 AWG Cable - Type USE, 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuits.....	695.17	



	MINOR CSI UOM DESCRIPTION		TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 19 16-0385	MLF	#12 AWG Cable - Type USE, 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuits	815.06	
26 05 19 16-0386	MLF	#10 AWG Cable - Type USE, 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuits	982.90	
26 05 19 16-0387	MLF	#8 AWG Cable - Type USE, 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuits	1,266.87	
26 05 19 16-0388	MLF	#6 AWG Cable - Type USE, 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuits	1,673.10	
26 05 19 16-0389	MLF	#4 AWG Cable - Type USE, 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuits	2,163.44	
26 05 19 16-0390	MLF	#2 AWG Cable - Type USE, 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuits	2,992.46	
26 05 19 16-0391	MLF	#1 AWG Cable - Type USE, 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuits	3,589.67	
26 05 19 16-0392	MLF	#1/0 AWG Cable - Type USE, 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuits	4,314.42	
26 05 19 16-0393	MLF	#2/0 AWG Cable - Type USE, 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuits	5,122.77	
26 05 19 16-0394	MLF	#3/0 AWG Cable - Type USE, 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuits	6,046.78	
26 05 19 16-0395	MLF	#4/0 AWG Cable - Type USE, 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuits	6,785.88	
26 05 19 16-0396	MLF	250 MCM Cable - Type USE, 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuits	7,361.84	
26 05 19 16-0397	MLF	300 MCM Cable - Type USE, 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuits	8,606.67	
26 05 19 16-0398	MLF	350 MCM Cable - Type USE, 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuits	9,541.67	
26 05 19 16-0399	MLF	400 MCM Cable - Type USE, 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuits	10,609.60	
26 05 19 16-0400	MLF	500 MCM Cable - Type USE, 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuits	12,298.44	
26 05 19 16-0401	MLF	600 MCM Cable - Type USE, 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuits	14,338.75	
26 05 19 16-0402	MLF	750 MCM Cable - Type USE, 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuits	21,464.66	
26 05 19 16-0403	MLF	#14 AWG Cable - XLP (XHHW), 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuit	809.46	
26 05 19 16-0404	MLF	#12 AWG Cable - XLP (XHHW), 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuit	985.66	
26 05 19 16-0405	MLF	#10 AWG Cable - XLP (XHHW), 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuit	1,210.12	
26 05 19 16-0406	MLF	#8 AWG Cable - XLP (XHHW), 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuit	1,469.63	
26 05 19 16-0407	MLF	#6 AWG Cable - XLP (XHHW), 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuit	1,957.90	
26 05 19 16-0408	MLF	#4 AWG Cable - XLP (XHHW), 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuit	2,678.82	
26 05 19 16-0409	MLF	#2 AWG Cable - XLP (XHHW), 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuit	3,744.37	
26 05 19 16-0410	MLF	#1 AWG Cable - XLP (XHHW), 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuit	4,546.59	
26 05 19 16-0411	MLF	#1/0 AWG Cable - XLP (XHHW), 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuit	5,128.56	
26 05 19 16-0412	MLF	#2/0 AWG Cable - XLP (XHHW), 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuit	5,784.08	
26 05 19 16-0413	MLF	#3/0 AWG Cable - XLP (XHHW), 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuit	6,829.56	
26 05 19 16-0414	MLF	#4/0 AWG Cable - XLP (XHHW), 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuit	8,142.82	
26 05 19 16-0415	MLF	250 MCM Cable - XLP (XHHW), 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuit	9,348.73	
26 05 19 16-0416	MLF	300 MCM Cable - XLP (XHHW), 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuit	10,633.66	
26 05 19 16-0417	MLF	350 MCM Cable - XLP (XHHW), 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuit	12,048.42	
26 05 19 16-0418	MLF	400 MCM Cable - XLP (XHHW), 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuit	13,519.71	
26 05 19 16-0419	MLF	500 MCM Cable - XLP (XHHW), 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuit	16,092.96	
26 05 19 16-0420	MLF	750 MCM Cable - XLP (XHHW), 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuit	28,662.93	
26 05 19 16-0421	MLF	#14 AWG Cable - Type THHN-THWN, 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuit	543.13	
26 05 19 16-0422	MLF	#12 AWG Cable - Type THHN-THWN, 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuit	667.66	
26 05 19 16-0423	MLF	#10 AWG Cable - Type THHN-THWN, 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuit	811.98	
26 05 19 16-0424	MLF	#8 AWG Cable - Type THHN-THWN, 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuit	1,111.31	
26 05 19 16-0425	MLF	#6 AWG Cable - Type THHN-THWN, 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuit	1,469.34	
26 05 19 16-0426	MLF	#4 AWG Cable - Type THHN-THWN, 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuit	1,889.54	
26 05 19 16-0427	MLF	#2 AWG Cable - Type THHN-THWN, 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuit	2,645.55	
26 05 19 16-0428	MLF	#1 AWG Cable - Type THHN-THWN, 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuit	3,108.64	
26 05 19 16-0429	MLF	#1/0 AWG Cable - Type THHN-THWN, 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuit	3,612.90	
26 05 19 16-0430	MLF	#2/0 AWG Cable - Type THHN-THWN, 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuit	4,067.37	
26 05 19 16-0431	MLF	#3/0 AWG Cable - Type THHN-THWN, 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuit	4,741.20	
26 05 19 16-0432	MLF	#4/0 AWG Cable - Type THHN-THWN, 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuit	5,581.85	
26 05 19 16-0433	MLF	250 MCM Cable - Type THHN-THWN, 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuit	6,482.91	
26 05 19 16-0434	MLF	300 MCM Cable - Type THHN-THWN, 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuit	7,417.46	
26 05 19 16-0435	MLF	350 MCM Cable - Type THHN-THWN, 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuit	8,414.31	
26 05 19 16-0436	MLF	400 MCM Cable - Type THHN-THWN, 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuit	9,379.72	
26 05 19 16-0437	MLF	500 MCM Cable - Type THHN-THWN, 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuit	10,977.73	
26 05 19 16-0438	MLF	600 MCM Cable - Type THHN-THWN, 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuit	13,484.83	
26 05 19 16-0439	MLF	750 MCM Cable - Type THHN-THWN, 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuit	19,844.07	
26 05 19 16-0440	MLF	#2 AWG Cable - Type EPR, 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuit	4,027.72	
26 05 19 16-0441	MLF	#1/0 AWG Cable - Type EPR, 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuit	5,696.65	
26 05 19 16-0442	MLF	#2/0 AWG Cable - Type EPR, 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuit	6,334.13	
26 05 19 16-0443	MLF	#3/0 AWG Cable - Type EPR, 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuit	7,177.06	
26 05 19 16-0444	MLF	#4/0 AWG Cable - Type EPR, 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuit	7,967.55	
26 05 19 16-0445	MLF	250 MCM Cable - Type EPR, 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuit	8,597.82	
26 05 19 16-0446	MLF	350 MCM Cable - Type EPR, 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuit	12,076.00	
26 05 19 16-0447	MLF	400 MCM Cable - Type EPR, 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuit	13,110.94	
26 05 19 16-0448	MLF	500 MCM Cable - Type EPR, 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuit	14,865.89	
26 05 19 16-0449		600 Volt, Armored Cable, Copper Conductors <small>(26 05 19 16-0309)</small>		
26 05 19 16-0450		ACTHH, Solid <small>(26 05 19 16-0449)</small>		
26 05 19 16-0451	MLF	#8 AWG Cable - Type ACT, 1 Conductor, Solid	2,091.37	622.55
26 05 19 16-0452	MLF	#6 AWG Cable - Type ACT, 1 Conductor, Solid	2,405.89	705.56
26 05 19 16-0453	MLF	#4 AWG Cable - Type ACT, 1 Conductor, Solid	2,723.13	747.07
26 05 19 16-0454	MLF	#14 AWG Cable - Type ACTHH, 2 Conductors, Solid	3,085.24	1,037.59
26 05 19 16-0455	MLF	#12 AWG Cable - Type ACTHH, 2 Conductors, Solid	3,330.45	1,161.90
26 05 19 16-0456	MLF	#10 AWG Cable - Type ACTHH, 2 Conductors, Solid	4,125.58	1,287.34
26 05 19 16-0457	MLF	#8 AWG Cable - Type ACTHH, 2 Conductors, Solid	5,258.19	1,411.64
26 05 19 16-0458	MLF	#14 AWG Cable - Type ACTHH, 3 Conductors, Solid	3,684.78	1,161.90
26 05 19 16-0459	MLF	#12 AWG Cable - Type ACTHH, 3 Conductors, Solid	3,894.95	1,287.34

26 Electrical**26 05 Common Work Results For Electrical****26 05 19 Low-Voltage Electrical Power Conductors And Cables**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 19 16-0460 MLF #10 AWG Cable - Type ACTHH, 3 Conductors, Solid	4,885.10	1,453.25
26 05 19 16-0461 MLF #8 AWG Cable - Type ACTHH, 3 Conductors, Solid	6,191.87	1,576.93
26 05 19 16-0462 MLF #14 AWG Cable - Type ACTHH, 4 Conductors, Solid	4,345.19	1,287.34
26 05 19 16-0463 MLF #12 AWG Cable - Type ACTHH, 4 Conductors, Solid	4,782.48	1,453.25
26 05 19 16-0464 MLF #10 AWG Cable - Type ACTHH, 4 Conductors, Solid	5,971.42	1,618.74
26 05 19 16-0465 MLF #8 AWG Cable - Type ACTHH, 4 Conductors, Solid	7,569.87	1,743.88
26 05 19 16-0466 ACTHH, Stranded <small>(26 05 19 16-0449)</small>		
26 05 19 16-0467 MLF #8 AWG Cable - Type ACTHH, 2 Conductors, Stranded.....	5,466.69	1,495.06
26 05 19 16-0468 MLF #6 AWG Cable - Type ACTHH, 2 Conductors, Stranded.....	6,607.44	1,700.92
26 05 19 16-0469 MLF #8 AWG Cable - Type ACTHH, 3 Conductors, Stranded.....	6,400.01	1,660.15
26 05 19 16-0470 MLF #6 AWG Cable - Type ACTHH, 3 Conductors, Stranded.....	7,922.90	1,866.21
26 05 19 16-0471 MLF #4 AWG Cable - Type ACTHH, 3 Conductors, Stranded.....	9,889.07	2,075.18
26 05 19 16-0472 MLF #3 AWG Cable - Type ACTHH, 3 Conductors, Stranded.....	11,319.00	2,280.42
26 05 19 16-0473 MLF #2 AWG Cable - Type ACTHH, 3 Conductors, Stranded.....	12,910.67	2,488.25
26 05 19 16-0474 MLF #8 AWG Cable - Type ACTHH, 4 Conductors, Stranded.....	8,189.09	1,991.55
26 05 19 16-0475 MLF #6 AWG Cable - Type ACTHH, 4 Conductors, Stranded.....	9,812.99	2,198.24
26 05 19 16-0476 MLF #4 AWG Cable - Type ACTHH, 4 Conductors, Stranded.....	12,423.29	2,407.41
26 05 19 16-0477 MLF #3 AWG Cable - Type ACTHH, 4 Conductors, Stranded.....	13,603.08	2,613.59
26 05 19 16-0478 MLF #2 AWG Cable - Type ACTHH, 4 Conductors, Stranded.....	16,005.76	2,819.55
26 05 19 16-0479 HCFC, Solid <small>(26 05 19 16-0449)</small>		
26 05 19 16-0480 MLF #14 AWG Cable - Type HCF, 2 Conductors, Solid	3,393.81	1,037.59
26 05 19 16-0481 MLF #12 AWG Cable - Type HCF, 2 Conductors, Solid	3,730.14	1,165.83
26 05 19 16-0482 MLF #10 AWG Cable - Type HCF, 2 Conductors, Solid	4,158.79	1,281.01
26 05 19 16-0483 MLF #14 AWG Cable - Type HCF, 3 Conductors, Solid	4,070.19	1,165.83
26 05 19 16-0484 MLF #12 AWG Cable - Type HCF, 3 Conductors, Solid	4,381.31	1,281.01
26 05 19 16-0485 MLF #10 AWG Cable - Type HCF, 3 Conductors, Solid	5,628.08	1,461.44
26 05 19 16-0486 MLF #14 AWG Cable - Type HCF, 4 Conductors, Solid	4,928.68	1,281.01
26 05 19 16-0487 MLF #12 AWG Cable - Type HCF, 4 Conductors, Solid	5,414.62	1,461.44
26 05 19 16-0488 MLF #10 AWG Cable - Type HCF, 4 Conductors, Solid	7,222.31	1,621.24
26 05 19 16-0489 MC, Solid Or Stranded, Galvanized Steel Armor <small>(26 05 19 16-0449)</small>		
26 05 19 16-0490 MLF #14 AWG Cable - Type MC, 2 Conductors, Solid Or Stranded, Galvanized Steel Armor	3,110.37	1,037.59
26 05 19 16-0491 MLF #12 AWG Cable - Type MC, 2 Conductors, Solid Or Stranded, Galvanized Steel Armor	3,476.22	1,165.83
26 05 19 16-0492 MLF #10 AWG Cable - Type MC, 2 Conductors, Solid Or Stranded, Galvanized Steel Armor	4,141.58	1,281.01
26 05 19 16-0493 MLF #8 AWG Cable - Type MC, 2 Conductors, Solid Or Stranded, Galvanized Steel Armor	5,213.67	1,368.90
26 05 19 16-0494 MLF #6 AWG Cable - Type MC, 2 Conductors, Solid Or Stranded, Galvanized Steel Armor	6,413.69	1,451.17
26 05 19 16-0495 MLF #14 AWG Cable - Type MC, 3 Conductors, Solid Or Stranded, Galvanized Steel Armor	3,582.44	1,165.83
26 05 19 16-0496 MLF #12 AWG Cable - Type MC, 3 Conductors, Solid Or Stranded, Galvanized Steel Armor	4,031.42	1,281.01
26 05 19 16-0497 MLF #10 AWG Cable - Type MC, 3 Conductors, Solid Or Stranded, Galvanized Steel Armor	5,071.84	1,461.44
26 05 19 16-0498 MLF #8 AWG Cable - Type MC, 3 Conductors, Solid Or Stranded, Galvanized Steel Armor	6,492.50	1,576.93
26 05 19 16-0499 MLF #6 AWG Cable - Type MC, 3 Conductors, Solid Or Stranded, Galvanized Steel Armor	7,549.05	1,700.92
26 05 19 16-0500 MLF #4 AWG Cable - Type MC, 3 Conductors, Solid Or Stranded, Galvanized Steel Armor	9,257.06	1,826.79
26 05 19 16-0501 MLF #2 AWG Cable - Type MC, 3 Conductors, Solid Or Stranded, Galvanized Steel Armor	11,744.58	1,950.36
26 05 19 16-0502 MLF #14 AWG Cable - Type MC, 4 Conductors, Solid Or Stranded, Galvanized Steel Armor	4,131.94	1,281.01
26 05 19 16-0503 MLF #12 AWG Cable - Type MC, 4 Conductors, Solid Or Stranded, Galvanized Steel Armor	4,731.71	1,461.44
26 05 19 16-0504 MLF #10 AWG Cable - Type MC, 4 Conductors, Solid Or Stranded, Galvanized Steel Armor	6,972.85	1,621.24
26 05 19 16-0505 MLF #8 AWG Cable - Type MC, 4 Conductors, Solid Or Stranded, Galvanized Steel Armor	9,333.50	1,785.90
26 05 19 16-0506 MLF #6 AWG Cable - Type MC, 4 Conductors, Solid Or Stranded, Galvanized Steel Armor	11,325.93	1,910.83
26 05 19 16-0507 MLF #4 AWG Cable - Type MC, 4 Conductors, Solid Or Stranded, Galvanized Steel Armor	14,800.26	2,034.51
26 05 19 16-0508 MLF #2 AWG Cable - Type MC, 4 Conductors, Solid Or Stranded, Galvanized Steel Armor	18,980.33	2,157.16
26 05 19 16-0509 MC, Solid Or Stranded, Aluminum Armor <small>(26 05 19 16-0449)</small>		
26 05 19 16-0510 MLF #14 AWG Cable - Type MC, 2 Conductors, Solid Or Stranded, Aluminum Armor	3,087.51	1,037.59
26 05 19 16-0511 MLF #12 AWG Cable - Type MC, 2 Conductors, Solid Or Stranded, Aluminum Armor	3,416.94	1,165.83
26 05 19 16-0512 MLF #10 AWG Cable - Type MC, 2 Conductors, Solid Or Stranded, Aluminum Armor	4,089.16	1,281.01
26 05 19 16-0513 MLF #14 AWG Cable - Type MC, 3 Conductors, Solid Or Stranded, Aluminum Armor	3,677.91	1,165.83
26 05 19 16-0514 MLF #12 AWG Cable - Type MC, 3 Conductors, Solid Or Stranded, Aluminum Armor	3,978.76	1,281.01
26 05 19 16-0515 MLF #10 AWG Cable - Type MC, 3 Conductors, Solid Or Stranded, Aluminum Armor	5,030.20	1,461.44
26 05 19 16-0516 MLF #8 AWG Cable - Type MC, 4 Conductors, Solid Or Stranded, Aluminum Armor	4,585.81	1,281.01
26 05 19 16-0517 MLF #6 AWG Cable - Type MC, 4 Conductors, Solid Or Stranded, Aluminum Armor	5,060.67	1,461.44
26 05 19 16-0518 MLF #4 AWG Cable - Type MC, 4 Conductors, Solid Or Stranded, Aluminum Armor	6,972.85	1,621.24
26 05 19 16-0519 FPLP Solid TFN Red Armored Cable <small>(26 05 19 16-0449)</small>		
Note: Color coded red.		
26 05 19 16-0520 MLF #18/2 With Bare #18 Ground Type TFN FPLP Red Armored Cable.....	2,821.72	788.57
26 05 19 16-0521 MLF #18/4 With Bare #18 Ground Type TFN FPLP Red Armored Cable.....	3,219.15	913.08
26 05 19 16-0522 MLF #18/6 With Bare #18 Ground Type TFN FPLP Red Armored Cable.....	3,911.23	1,037.59
26 05 19 16-0523 MLF #18/8 With Bare #18 Ground Type TFN FPLP Red Armored Cable.....	4,462.60	1,162.10
26 05 19 16-0524 MLF #16/2 With Bare #16 Ground Type TFN FPLP Red Armored Cable.....	3,224.76	913.08
26 05 19 16-0525 MLF #16/4 With Bare #16 Ground Type TFN FPLP Red Armored Cable.....	3,776.65	1,037.59
26 05 19 16-0526 MLF #16/6 With Bare #16 Ground Type TFN FPLP Red Armored Cable.....	4,624.20	1,162.10
26 05 19 16-0527 MLF #16/8 With Bare #16 Ground Type TFN FPLP Red Armored Cable.....	5,230.64	1,286.61



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 19 16-0528 FPLP Solid THHN Red Armored Cable <small>(26 05 19 16-0449)</small>		
<i>Note: Color coded red.</i>		
26 05 19 16-0529 MLF #14/2 With #14 Ground Type THHN FPLP Red Armored Cable	3,601.80	1,037.59
26 05 19 16-0530 MLF #14/4 With #14 Ground Type THHN FPLP Red Armored Cable	4,366.26	1,162.10
26 05 19 16-0531 MLF #14/6 With #14 Ground Type THHN FPLP Red Armored Cable	5,591.05	1,286.61
26 05 19 16-0532 MLF #14/8 With #14 Ground Type THHN FPLP Red Armored Cable	6,414.65	1,411.12
26 05 19 16-0533 MLF #12/2 With #12 Ground Type THHN FPLP Red Armored Cable	4,420.29	1,162.10
26 05 19 16-0534 MLF #12/4 With #12 Ground Type THHN FPLP Red Armored Cable	5,294.87	1,286.61
26 05 19 16-0535 FPLP Twisted Shielded Pair Red Armored Cable <small>(26 05 19 16-0449)</small>		
<i>Note: Color coded red.</i>		
26 05 19 16-0536 MLF #18/2 With #18 Tinned Ground FPLP Twisted Shielded Pair Red Armored Cable.....	3,005.24	788.57
26 05 19 16-0537 MLF #18/2 With #18 Tinned Ground And #14/2 With #14 Tinned Ground FPLP Twisted Shielded Pair Red Armored Cable.....	4,730.23	1,162.10
26 05 19 16-0538 MLF #16/2 With #16 Tinned Ground FPLP Twisted Shielded Pair Red Armored Cable.....	3,648.38	913.08
26 05 19 16-0539 MLF #16/4 With Two #16 Tinned Grounds FPLP Twisted Shielded Pair Red Armored Cable	4,275.21	1,037.59
26 05 19 16-0540 MLF #16/2 With #16 Tinned Ground And #12/2 With #12 Ground FPLP Twisted Shielded Pair Red Armored Cable	5,813.82	1,286.61
26 05 19 16-0541 MLF #14/2 With One #16 Tinned Ground And One #14 Ground FPLP Twisted Shielded Pair Red Armored Cable	4,281.59	1,079.10
26 05 19 16-0542 MLF #14/4 With Two #16 Tinned Ground And One #14 Ground FPLP Twisted Shielded Pair Red Armored Cable	5,215.58	1,245.11
26 05 19 16-0543 Armored Cable Connectors <small>(26 05 19 16-0449)</small>		
26 05 19 16-0544 EA 3/4" Armored Cable Connector.....	6.07	2.27
<i>For Work In Restricted Working Space, Add</i>		
	1.71	
<i>For Installation Above 14', Add</i>		
	0.85	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	1.71	
26 05 19 16-0545 EA 1" Armored Cable Connector.....	7.15	2.66
<i>For Work In Restricted Working Space, Add</i>		
	1.99	
<i>For Installation Above 14', Add</i>		
	1.00	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	1.99	
26 05 19 16-0546 EA 1-1/4" Armored Cable Connector.....	10.17	3.80
<i>For Work In Restricted Working Space, Add</i>		
	2.85	
<i>For Installation Above 14', Add</i>		
	1.42	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	2.85	
26 05 19 16-0547 600 Volt, Feeder Wire, Single Stranded Copper <small>(26 05 19 16-0309)</small>		
26 05 19 16-0548 MLF #14 AWG Cable - XLPE-USE-RHH-RHW 600 Volt Copper, Single Stranded, Placed In Conduit.....	700.35	152.05
<i>For EPR Insulation, Add</i>		
	19.68	
<i>For Hypalon (CSPE) Jacket, Add</i>		
	45.92	
26 05 19 16-0549 MLF #12 AWG Cable - XLPE-USE-RHH-RHW 600 Volt Copper, Single Stranded, Placed In Conduit.....	797.74	168.38
<i>For EPR Insulation, Add</i>		
	20.06	
<i>For Hypalon (CSPE) Jacket, Add</i>		
	46.81	
26 05 19 16-0550 MLF #10 AWG Cable - XLPE-USE-RHH-RHW 600 Volt Copper, Single Stranded, Placed In Conduit.....	954.13	210.49
<i>For EPR Insulation, Add</i>		
	29.29	
<i>For Hypalon (CSPE) Jacket, Add</i>		
	68.34	
26 05 19 16-0551 MLF #8 AWG Cable - XLPE-USE-RHH-RHW 600 Volt Copper, Single Stranded, Placed In Conduit.....	1,269.60	334.85
<i>For EPR Insulation, Add</i>		
	48.15	
<i>For Hypalon (CSPE) Jacket, Add</i>		
	112.36	
26 05 19 16-0552 MLF #6 AWG Cable - XLPE-USE-RHH-RHW 600 Volt Copper, Single Stranded, Placed In Conduit.....	1,677.72	401.81
<i>For EPR Insulation, Add</i>		
	80.91	
<i>For Hypalon (CSPE) Jacket, Add</i>		
	188.80	
26 05 19 16-0553 MLF #4 AWG Cable - XLPE-USE-RHH-RHW 600 Volt Copper, Single Stranded, Placed In Conduit.....	2,238.95	466.51
<i>For EPR Insulation, Add</i>		
	122.41	
<i>For Hypalon (CSPE) Jacket, Add</i>		
	285.63	
26 05 19 16-0554 MLF #3 AWG Cable - XLPE-USE-RHH-RHW 600 Volt Copper, Single Stranded, Placed In Conduit.....	2,550.46	533.96
<i>For EPR Insulation, Add</i>		
	140.68	
<i>For Hypalon (CSPE) Jacket, Add</i>		
	328.26	
26 05 19 16-0555 MLF #2 AWG Cable - XLPE-USE-RHH-RHW 600 Volt Copper, Single Stranded, Placed In Conduit.....	3,127.73	601.39
<i>For EPR Insulation, Add</i>		
	198.82	
<i>For Hypalon (CSPE) Jacket, Add</i>		
	463.90	
26 05 19 16-0556 MLF #1 AWG Cable - XLPE-USE-RHH-RHW 600 Volt Copper, Single Stranded, Placed In Conduit.....	3,782.89	669.78
<i>For EPR Insulation, Add</i>		
	268.63	
<i>For Hypalon (CSPE) Jacket, Add</i>		
	626.81	
26 05 19 16-0557 MLF #1/0 AWG Cable - XLPE-USE-RHH-RHW 600 Volt Copper, Single Stranded, Placed In Conduit.....	4,513.27	755.63
<i>For EPR Insulation, Add</i>		
	335.51	
<i>For Hypalon (CSPE) Jacket, Add</i>		
	782.85	
26 05 19 16-0558 MLF #2/0 AWG Cable - XLPE-USE-RHH-RHW 600 Volt Copper, Single Stranded, Placed In Conduit.....	5,372.73	837.97
<i>For EPR Insulation, Add</i>		
	421.74	
<i>For Hypalon (CSPE) Jacket, Add</i>		
	984.05	
26 05 19 16-0559 MLF #3/0 AWG Cable - XLPE-USE-RHH-RHW 600 Volt Copper, Single Stranded, Placed In Conduit.....	6,359.13	935.48
<i>For EPR Insulation, Add</i>		
	527.01	
<i>For Hypalon (CSPE) Jacket, Add</i>		
	1,229.69	
26 05 19 16-0560 MLF #4/0 AWG Cable - XLPE-USE-RHH-RHW 600 Volt Copper, Single Stranded, Placed In Conduit.....	7,142.60	1,040.11
<i>For EPR Insulation, Add</i>		
	601.85	
<i>For Hypalon (CSPE) Jacket, Add</i>		
	1,404.31	
26 05 19 16-0561 MLF 250 MCM Cable - XLPE-USE-RHH-RHW 600 Volt Copper, Single Stranded, Placed In Conduit.....	7,637.34	1,140.75
<i>For EPR Insulation, Add</i>		
	633.37	
<i>For Hypalon (CSPE) Jacket, Add</i>		
	1,477.87	
26 05 19 16-0562 MLF 300 MCM Cable - XLPE-USE-RHH-RHW 600 Volt Copper, Single Stranded, Placed In Conduit.....	8,886.05	1,254.01
<i>For EPR Insulation, Add</i>		
	777.99	
<i>For Hypalon (CSPE) Jacket, Add</i>		
	1,815.32	

26 Electrical**26 05 Common Work Results For Electrical****26 05 19 Low-Voltage Electrical Power Conductors And Cables**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 19 16-0563 MLF 350 MCM Cable - XLPE-USE-RHH-RHW 600 Volt Copper, Single Stranded, Placed In Conduit.....	9,858.09	1,329.43
For EPR Insulation, Add	881.11	
For Hypalon (CSPE) Jacket, Add	2,055.93	
26 05 19 16-0564 MLF 400 MCM Cable - XLPE-USE-RHH-RHW 600 Volt Copper, Single Stranded, Placed In Conduit.....	10,970.61	1,485.84
For EPR Insulation, Add	1,005.30	
For Hypalon (CSPE) Jacket, Add	2,345.71	
26 05 19 16-0565 MLF 500 MCM Cable - XLPE-USE-RHH-RHW 600 Volt Copper, Single Stranded, Placed In Conduit.....	12,411.93	1,652.51
For EPR Insulation, Add	1,178.82	
For Hypalon (CSPE) Jacket, Add	2,750.57	
26 05 19 16-0566 MLF 600 MCM Cable - XLPE-USE-RHH-RHW 600 Volt Copper, Single Stranded, Placed In Conduit.....	14,380.32	1,719.29
For EPR Insulation, Add	1,417.16	
For Hypalon (CSPE) Jacket, Add	3,306.71	
26 05 19 16-0567 MLF 750 MCM Cable - XLPE-USE-RHH-RHW 600 Volt Copper, Single Stranded, Placed In Conduit.....	22,373.42	1,785.98
For EPR Insulation, Add	2,530.76	
For Hypalon (CSPE) Jacket, Add	5,905.10	
26 05 19 16-0568 MLF 1,000 MCM Cable - XLPE-USE-RHH-RHW 600 Volt Copper, Single Stranded, Placed In Conduit.....	27,771.58	1,908.34
For EPR Insulation, Add	3,283.56	
For Hypalon (CSPE) Jacket, Add	7,661.65	
26 05 19 16-0569 MLF #16 AWG Cable Type SFF-2 600 Volt Copper, Single Stranded, Placed In Conduit.....	1,177.91	341.30
26 05 19 16-0570 MLF #14 AWG Cable Type SFF-2 600 Volt Copper, Single Stranded, Placed In Conduit.....	1,430.15	379.43
26 05 19 16-0571 MLF #12 AWG Cable Type SFF-2 600 Volt Copper, Single Stranded, Placed In Conduit.....	1,776.15	455.70
26 05 19 16-0572 MLF #10 AWG Cable Type SFF-2 600 Volt Copper, Single Stranded, Placed In Conduit.....	2,098.00	531.01
26 05 19 16-0573 MLF #8 AWG Cable Type SFF-2 600 Volt Copper, Single Stranded, Placed In Conduit.....	2,925.64	568.58
26 05 19 16-0574 MLF #18 AWG Cable - Type TFFN 600 Volt Copper, Single Stranded, Placed In Conduit.....	419.34	189.72
26 05 19 16-0575 MLF #16 AWG Cable - Type TFFN 600 Volt Copper, Single Stranded, Placed In Conduit.....	523.40	208.69
26 05 19 16-0576 MLF #14 AWG Cable - Type THHN-THWN 600 Volt Copper, Single Stranded, Placed In Conduit.....	543.13	152.15
26 05 19 16-0577 MLF #12 AWG Cable - Type THHN-THWN 600 Volt Copper, Single Stranded, Placed In Conduit.....	667.66	181.36
26 05 19 16-0578 MLF #10 AWG Cable - Type THHN-THWN 600 Volt Copper, Single Stranded, Placed In Conduit.....	812.00	228.13
26 05 19 16-0579 MLF #8 AWG Cable - Type THHN-THWN 600 Volt Copper, Single Stranded, Placed In Conduit.....	1,111.31	300.70
26 05 19 16-0580 MLF #6 AWG Cable - Type THHN-THWN 600 Volt Copper, Single Stranded, Placed In Conduit.....	1,469.34	363.12
26 05 19 16-0581 MLF #4 AWG Cable - Type THHN-THWN 600 Volt Copper, Single Stranded, Placed In Conduit.....	1,889.54	429.13
26 05 19 16-0582 MLF #3 AWG Cable - Type THHN-THWN 600 Volt Copper, Single Stranded, Placed In Conduit.....	2,239.98	485.77
26 05 19 16-0583 MLF #2 AWG Cable - Type THHN-THWN 600 Volt Copper, Single Stranded, Placed In Conduit.....	2,645.55	544.01
26 05 19 16-0584 MLF #1 AWG Cable - Type THHN-THWN 600 Volt Copper, Single Stranded, Placed In Conduit.....	3,108.64	613.92
26 05 19 16-0585 MLF #1/0 AWG Cable - Type THHN-THWN 600 Volt Copper, Single Stranded, Placed In Conduit.....	3,612.90	672.25
26 05 19 16-0586 MLF #2/0 AWG Cable - Type THHN-THWN 600 Volt Copper, Single Stranded, Placed In Conduit.....	4,067.37	742.92
26 05 19 16-0587 MLF #3/0 AWG Cable - Type THHN-THWN 600 Volt Copper, Single Stranded, Placed In Conduit.....	4,741.20	785.79
26 05 19 16-0588 MLF #4/0 AWG Cable - Type THHN-THWN 600 Volt Copper, Single Stranded, Placed In Conduit.....	5,581.85	884.07
26 05 19 16-0589 MLF 250 MCM Cable - Type THHN-THWN 600 Volt Copper, Single Stranded, Placed In Conduit.....	6,482.91	940.51
26 05 19 16-0590 MLF 300 MCM Cable - Type THHN-THWN 600 Volt Copper, Single Stranded, Placed In Conduit.....	7,417.46	1,065.16
26 05 19 16-0591 MLF 350 MCM Cable - Type THHN-THWN 600 Volt Copper, Single Stranded, Placed In Conduit.....	8,414.32	1,178.79
26 05 19 16-0592 MLF 400 MCM Cable - Type THHN-THWN 600 Volt Copper, Single Stranded, Placed In Conduit.....	9,379.74	1,211.05
26 05 19 16-0593 MLF 500 MCM Cable - Type THHN-THWN 600 Volt Copper, Single Stranded, Placed In Conduit.....	10,977.73	1,281.24
26 05 19 16-0594 MLF 600 MCM Cable - Type THHN-THWN 600 Volt Copper, Single Stranded, Placed In Conduit.....	13,389.97	1,507.75
26 05 19 16-0595 MLF 750 MCM Cable - Type THHN-THWN 600 Volt Copper, Single Stranded, Placed In Conduit.....	19,844.05	1,785.98
26 05 19 16-0596 MLF 1,000 MCM Cable - Type THHN-THWN 600 Volt Copper, Single Stranded, Placed In Conduit.....	23,682.66	2,156.30
26 05 19 16-0597 MLF #16 AWG Cable - Type TGGT High Temperature 600 Volt Copper, Single Stranded, Placed In Conduit.....	2,023.49	455.70
26 05 19 16-0598 MLF #14 AWG Cable - Type TGGT High Temperature 600 Volt Copper, Single Stranded, Placed In Conduit.....	2,266.18	531.01
26 05 19 16-0599 MLF #12 AWG Cable - Type TGGT High Temperature 600 Volt Copper, Single Stranded, Placed In Conduit.....	2,620.17	607.56
26 05 19 16-0600 MLF #10 AWG Cable - Type TGGT High Temperature 600 Volt Copper, Single Stranded, Placed In Conduit.....	3,332.42	682.69
26 05 19 16-0601 MLF #8 AWG Cable - Type TGGT High Temperature 600 Volt Copper, Single Stranded, Placed In Conduit.....	3,765.90	758.86
26 05 19 16-0602 MLF #6 AWG Cable - Type TGGT High Temperature 600 Volt Copper, Single Stranded, Placed In Conduit.....	4,711.73	833.98
26 05 19 16-0603 600 Volt, Feeder Wire, Single Stranded Aluminum <small>(26 05 19 16-0308)</small>		
26 05 19 16-0604 MLF #6 AWG Cable - Type THHN-THWN, 600 Volt Aluminum, Single Stranded, Placed In Conduit.....	993.42	284.49
26 05 19 16-0605 MLF #4 AWG Cable - Type THHN-THWN, 600 Volt Aluminum, Single Stranded, Placed In Conduit.....	1,174.85	330.80
26 05 19 16-0606 MLF #2 AWG Cable - Type THHN-THWN, 600 Volt Aluminum, Single Stranded, Placed In Conduit.....	1,533.71	424.64
26 05 19 16-0607 MLF #1 AWG Cable - Type THHN-THWN, 600 Volt Aluminum, Single Stranded, Placed In Conduit.....	1,876.89	474.18
26 05 19 16-0608 MLF #1/0 AWG Cable - Type THHN-THWN, 600 Volt Aluminum, Single Stranded, Placed In Conduit.....	2,165.44	534.24
26 05 19 16-0609 MLF #2/0 AWG Cable - Type THHN-THWN, 600 Volt Aluminum, Single Stranded, Placed In Conduit.....	2,454.73	589.65
26 05 19 16-0610 MLF #3/0 AWG Cable - Type THHN-THWN, 600 Volt Aluminum, Single Stranded, Placed In Conduit.....	2,881.86	665.45
26 05 19 16-0611 MLF #4/0 AWG Cable - Type THHN-THWN, 600 Volt Aluminum, Single Stranded, Placed In Conduit.....	3,189.10	734.17
26 05 19 16-0612 MLF 250 MCM Cable - Type THHN-THWN, 600 Volt Aluminum, Single Stranded, Placed In Conduit.....	3,670.30	807.08
26 05 19 16-0613 MLF 300 MCM Cable - Type THHN-THWN, 600 Volt Aluminum, Single Stranded, Placed In Conduit.....	4,476.88	877.69
26 05 19 16-0614 MLF 350 MCM Cable - Type THHN-THWN, 600 Volt Aluminum, Single Stranded, Placed In Conduit.....	4,691.15	948.28
26 05 19 16-0615 MLF 400 MCM Cable - Type THHN-THWN, 600 Volt Aluminum, Single Stranded, Placed In Conduit.....	5,349.77	1,054.75
26 05 19 16-0616 MLF 500 MCM Cable - Type THHN-THWN, 600 Volt Aluminum, Single Stranded, Placed In Conduit.....	5,895.31	1,161.17
26 05 19 16-0617 MLF 600 MCM Cable - Type THHN-THWN, 600 Volt Aluminum, Single Stranded, Placed In Conduit.....	7,172.91	1,352.64
26 05 19 16-0618 MLF 700 MCM Cable - Type THHN-THWN, 600 Volt Aluminum, Single Stranded, Placed In Conduit.....	8,083.97	1,482.86
26 05 19 16-0619 MLF 750 MCM Cable - Type THHN-THWN, 600 Volt Aluminum, Single Stranded, Placed In Conduit.....	8,265.91	1,537.84
26 05 19 16-0620 MLF 1,000 MCM Cable - Type THHN-THWN, 600 Volt, Aluminum, Single Stranded, Placed In Conduit.....	11,246.35	1,865.48
26 05 19 16-0621 MLF #8 AWG Cable - XHHW, 600 Volt Aluminum, Single Stranded, Placed In Conduit.....	1,076.42	336.84
26 05 19 16-0622 MLF #6 AWG Cable - XHHW, 600 Volt Aluminum, Single Stranded, Placed In Conduit.....	1,211.12	379.43
26 05 19 16-0623 MLF #4 AWG Cable - XHHW, 600 Volt Aluminum, Single Stranded, Placed In Conduit.....	1,490.56	466.79
26 05 19 16-0624 MLF #2 AWG Cable - XHHW, 600 Volt Aluminum, Single Stranded, Placed In Conduit.....	1,869.82	572.17
26 05 19 16-0625 MLF #1 AWG Cable - XHHW, 600 Volt Aluminum, Single Stranded, Placed In Conduit.....	2,327.29	673.58
26 05 19 16-0626 MLF 1/0 AWG Cable - XHHW, 600 Volt Aluminum, Single Stranded, Placed In Conduit.....	2,669.97	759.14
26 05 19 16-0627 MLF 2/0 AWG Cable - XHHW, 600 Volt Aluminum, Single Stranded, Placed In Conduit.....	3,020.31	843.19
26 05 19 16-0628 MLF 3/0 AWG Cable - XHHW, 600 Volt Aluminum, Single Stranded, Placed In Conduit.....	3,433.19	919.93
26 05 19 16-0629 MLF 4/0 AWG Cable - XHHW, 600 Volt Aluminum, Single Stranded, Placed In Conduit.....	3,706.98	979.02
26 05 19 16-0630 MLF 250 MCM Cable - XHHW, 600 Volt Aluminum, Single Stranded, Placed In Conduit.....	4,156.22	1,047.51



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 19 16-0631 MLF 300 MCM Cable - XHHW, 600 Volt Aluminum, Single Stranded, Placed In Conduit	4,930.24	1,122.63
26 05 19 16-0632 MLF 350 MCM Cable - XHHW, 600 Volt Aluminum, Single Stranded, Placed In Conduit	5,190.55	1,212.75
26 05 19 16-0633 MLF 400 MCM Cable - XHHW, 600 Volt Aluminum, Single Stranded, Placed In Conduit	5,830.15	1,322.50
26 05 19 16-0634 MLF 500 MCM Cable - XHHW, 600 Volt Aluminum, Single Stranded, Placed In Conduit	6,578.21	1,517.72
26 05 19 16-0635 MLF 600 MCM Cable - XHHW, 600 Volt Aluminum, Single Stranded, Placed In Conduit	7,520.41	1,597.21
26 05 19 16-0636 MLF 700 MCM Cable - XHHW, 600 Volt Aluminum, Single Stranded, Placed In Conduit	8,281.75	1,683.91
26 05 19 16-0637 MLF 750 MCM Cable - XHHW, 600 Volt Aluminum, Single Stranded, Placed In Conduit	8,587.51	1,789.57
26 05 19 16-0638 MLF 1,000 MCM Cable - XHHW, 600 Volt Aluminum, Single Stranded, Placed In Conduit	12,394.08	2,508.03
26 05 19 16-0639 MLF #6 AWG Cable - XLPE-USE 600 Volt Aluminum, Single Stranded, Placed In Conduit	1,059.08	379.43
26 05 19 16-0640 MLF #4 AWG Cable - XLPE-USE 600 Volt Aluminum, Single Stranded, Placed In Conduit	1,308.70	466.70
26 05 19 16-0641 MLF #2 AWG Cable - XLPE-USE 600 Volt Aluminum, Single Stranded, Placed In Conduit	1,615.51	572.94
26 05 19 16-0642 MLF #1 AWG Cable - XLPE-USE 600 Volt Aluminum, Single Stranded, Placed In Conduit	1,936.43	669.78
26 05 19 16-0643 MLF #1/0 AWG Cable - XLPE-USE 600 Volt Aluminum, Single Stranded, Placed In Conduit	2,185.82	755.63
26 05 19 16-0644 MLF #2/0 AWG Cable - XLPE-USE 600 Volt Aluminum, Single Stranded, Placed In Conduit	2,442.25	837.97
26 05 19 16-0645 MLF #3/0 AWG Cable - XLPE-USE 600 Volt Aluminum, Single Stranded, Placed In Conduit	2,735.57	919.93
26 05 19 16-0646 MLF #4/0 AWG Cable - XLPE-USE 600 Volt Aluminum, Single Stranded, Placed In Conduit	2,940.12	979.02
26 05 19 16-0647 MLF 250 MCM Cable - XLPE-USE 600 Volt Aluminum, Single Stranded, Placed In Conduit	3,217.01	1,046.85
26 05 19 16-0648 MLF 300 MCM Cable - XLPE-USE 600 Volt Aluminum, Single Stranded, Placed In Conduit	3,631.02	1,124.06
26 05 19 16-0649 MLF 350 MCM Cable - XLPE-USE 600 Volt Aluminum, Single Stranded, Placed In Conduit	3,888.40	1,214.36
26 05 19 16-0650 MLF 400 MCM Cable - XLPE-USE 600 Volt Aluminum, Single Stranded, Placed In Conduit	4,258.57	1,319.47
26 05 19 16-0651 MLF 500 MCM Cable - XLPE-USE 600 Volt Aluminum, Single Stranded, Placed In Conduit	4,899.32	1,517.72
26 05 19 16-0652 MLF 600 MCM Cable - XLPE-USE 600 Volt Aluminum, Single Stranded, Placed In Conduit	5,339.90	1,592.94
26 05 19 16-0653 MLF 700 MCM Cable - XLPE-USE 600 Volt Aluminum, Single Stranded, Placed In Conduit	5,769.53	1,683.91
26 05 19 16-0654 MLF 750 MCM Cable - XLPE-USE 600 Volt Aluminum, Single Stranded, Placed In Conduit	6,058.06	1,784.17
26 05 19 16-0655 Non-Metallic Sheathed Cable <small>(26 05 19 16-0309)</small>		
26 05 19 16-0656 Indoor Installation <small>(26 05 19 16-0655)</small>		
Note: For NM, NM-B, NMC-B and NMS-B.		
26 05 19 16-0657 MLF #14-2 With Ground Cable, Type NM, 600 Volt Copper, Non-Metallic Sheathed Cable	2,050.35	720.82
<i>For Installation In Wood Stud Wall (Includes Drilling), Add</i>		<i>270.30</i>
26 05 19 16-0658 MLF #14-3 With Ground Cable, Type NM, 600 Volt Copper, Non-Metallic Sheathed Cable	2,519.11	872.69
<i>For Installation In Wood Stud Wall (Includes Drilling), Add</i>		<i>327.27</i>
26 05 19 16-0659 MLF #12-2 With Ground Cable, Type NM, 600 Volt Copper, Non-Metallic Sheathed Cable	2,264.96	819.56
<i>For Installation In Wood Stud Wall (Includes Drilling), Add</i>		<i>291.69</i>
26 05 19 16-0660 MLF #12-3 With Ground Cable, Type NM, 600 Volt Copper, Non-Metallic Sheathed Cable	2,771.14	910.44
<i>For Installation In Wood Stud Wall (Includes Drilling), Add</i>		<i>341.43</i>
26 05 19 16-0661 MLF #10-2 With Ground Cable, Type NM, 600 Volt Copper, Non-Metallic Sheathed Cable	2,806.67	910.91
<i>For Installation In Wood Stud Wall (Includes Drilling), Add</i>		<i>341.60</i>
26 05 19 16-0662 MLF #10-3 With Ground Cable, Type NM, 600 Volt Copper, Non-Metallic Sheathed Cable	3,424.06	1,062.59
<i>For Installation In Wood Stud Wall (Includes Drilling), Add</i>		<i>398.47</i>
26 05 19 16-0663 MLF #8-2 With Ground Cable, Type NM, 600 Volt Copper, Non-Metallic Sheathed Cable	3,536.06	1,090.86
<i>For Installation In Wood Stud Wall (Includes Drilling), Add</i>		<i>388.44</i>
26 05 19 16-0664 MLF #8-3 With Ground Cable, Type NM, 600 Volt Copper, Non-Metallic Sheathed Cable	4,558.92	1,318.52
<i>For Installation In Wood Stud Wall (Includes Drilling), Add</i>		<i>469.55</i>
26 05 19 16-0665 MLF #6-2 With Ground Cable, Type NM, 600 Volt Copper, Non-Metallic Sheathed Cable	4,230.88	1,242.63
<i>For Installation In Wood Stud Wall (Includes Drilling), Add</i>		<i>441.09</i>
26 05 19 16-0666 MLF #6-3 With Ground Cable, Type NM, 600 Volt Copper, Non-Metallic Sheathed Cable	5,422.34	1,498.75
<i>For Installation In Wood Stud Wall (Includes Drilling), Add</i>		<i>533.57</i>
26 05 19 16-0667 MLF #4-3 With Ground Cable, Type NM, 600 Volt Copper, Non-Metallic Sheathed Cable	6,937.61	1,650.52
<i>For Installation In Wood Stud Wall (Includes Drilling), Add</i>		<i>586.93</i>
26 05 19 16-0668 MLF #2-3 With Ground Cable, Type NM, 600 Volt Copper, Non-Metallic Sheathed Cable	9,495.26	1,792.80
<i>For Installation In Wood Stud Wall (Includes Drilling), Add</i>		<i>640.28</i>
26 05 19 16-0669 Direct Burial Cable <small>(26 05 19 16-0655)</small>		
Note: Excludes trench and backfill. For NM, NM-B, NMC-B and NMS-B. Copper.		
26 05 19 16-0670 MLF #14-2 With Ground Cable, Type UF 600 Volt Copper, Direct Burial Non-Metallic Cable - Excludes Trenching	2,118.40	
26 05 19 16-0671 MLF #14-3 With Ground Cable, Type UF 600 Volt Copper, Direct Burial Non-Metallic Cable - Excludes Trenching	2,675.32	
26 05 19 16-0672 MLF #12-2 With Ground Cable, Type UF 600 Volt Copper, Direct Burial Non-Metallic Cable - Excludes Trenching	2,661.35	
26 05 19 16-0673 MLF #12-3 With Ground Cable, Type UF 600 Volt Copper, Direct Burial Non-Metallic Cable - Excludes Trenching	3,094.57	
26 05 19 16-0674 MLF #10-2 With Ground Cable, Type UF 600 Volt Copper, Direct Burial Non-Metallic Cable - Excludes Trenching	2,882.02	
26 05 19 16-0675 MLF #10-3 With Ground Cable, Type UF 600 Volt Copper, Direct Burial Non-Metallic Cable - Excludes Trenching	3,610.91	
26 05 19 16-0676 MLF #8-2 With Ground Cable, Type UF 600 Volt Copper, Direct Burial Non-Metallic Cable - Excludes Trenching	3,721.36	
26 05 19 16-0677 MLF #8-3 With Ground Cable, Type UF 600 Volt Copper, Direct Burial Non-Metallic Cable - Excludes Trenching	4,651.45	
26 05 19 16-0678 MLF #6-2 With Ground Cable, Type UF 600 Volt Copper, Direct Burial Non-Metallic Cable - Excludes Trenching	4,685.81	
26 05 19 16-0679 MLF #6-3 With Ground Cable, Type UF 600 Volt Copper, Direct Burial Non-Metallic Cable - Excludes Trenching	5,565.39	
26 05 19 16-0680 SEU Cable Copper, 3 Conductor <small>(26 05 19 16-0655)</small>		
26 05 19 16-0681 MLF 12-12-12 Cable SEU Copper	2,570.81	913.39
26 05 19 16-0682 MLF 10-10-10 Cable SEU Copper	3,107.71	1,037.59
26 05 19 16-0683 MLF 8-8-8 Cable SEU Copper	3,725.94	1,161.90
26 05 19 16-0684 MLF 6-6-8 Cable SEU Copper	4,327.85	1,245.63
26 05 19 16-0685 MLF 6-6-6 Cable SEU Copper	4,598.24	1,287.34
26 05 19 16-0686 MLF 4-4-6 Cable SEU Copper	5,433.74	1,411.64
26 05 19 16-0687 MLF 4-4-4 Cable SEU Copper	5,781.02	1,453.25
26 05 19 16-0688 MLF 3-3-5 Cable SEU Copper	6,605.84	1,576.93
26 05 19 16-0689 MLF 3-3-3 Cable SEU Copper	7,000.46	1,660.15
26 05 19 16-0690 MLF 2-2-4 Cable SEU Copper	7,446.19	1,743.88
26 05 19 16-0691 MLF 2-2-2 Cable SEU Copper	7,920.11	1,826.79

26 Electrical**26 05 Common Work Results For Electrical****26 05 19 Low-Voltage Electrical Power Conductors And Cables**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 19 16-0692	MLF		1-1-1 Cable SEU Copper	9,520.11	2,075.18
26 05 19 16-0693	MLF		1/0-1/0-1/0 Cable SEU Copper	11,174.42	2,326.49
26 05 19 16-0694	MLF		2/0-2/0-2/0 Cable SEU Copper	13,259.67	2,620.22
26 05 19 16-0695	MLF		3/0-3/0-3/0 Cable SEU Copper	15,695.34	2,914.59
26 05 19 16-0696	MLF		4/0-4/0-4/0 Cable SEU Copper	17,535.44	3,252.64
26 05 19 16-0697			SEU Cable Aluminum, 3 Conductor (26 05 19 16-0655)		
26 05 19 16-0698	MLF		8-8-8 Cable SEU Aluminum	3,358.48	1,165.83
26 05 19 16-0699	MLF		6-6-6 Cable SEU Aluminum	3,773.16	1,281.01
26 05 19 16-0700	MLF		4-4-6 Cable SEU Aluminum	4,195.41	1,402.20
26 05 19 16-0701	MLF		4-4-4 Cable SEU Aluminum	4,385.21	1,461.44
26 05 19 16-0702	MLF		2-2-4 Cable SEU Aluminum	5,224.65	1,729.35
26 05 19 16-0703	MLF		2-2-2 Cable SEU Aluminum	5,528.39	1,820.35
26 05 19 16-0704	MLF		1-1-1 Cable SEU Aluminum	6,512.67	2,075.18
26 05 19 16-0705	MLF		1/0-1/0-2 Cable SEU Aluminum	6,879.88	2,184.44
26 05 19 16-0706	MLF		1/0-1/0-1/0 Cable SEU Aluminum	7,960.83	2,305.73
26 05 19 16-0707	MLF		2/0-2/0-1 Cable SEU Aluminum	7,772.56	2,470.51
26 05 19 16-0708	MLF		2/0-2/0-2/0 Cable SEU Aluminum	8,192.77	2,593.98
26 05 19 16-0709	MLF		3/0-3/0-1/0 Cable SEU Aluminum	8,799.02	2,716.21
26 05 19 16-0710	MLF		3/0-3/0-3/0 Cable SEU Aluminum	9,386.28	2,882.22
26 05 19 16-0711	MLF		4/0-4/0-2/0 Cable SEU Aluminum	9,993.52	3,115.89
26 05 19 16-0712	MLF		4/0-4/0-4/0 Cable SEU Aluminum	10,499.01	3,242.48
26 05 19 16-0713			SER Cable Copper, 4 Conductor (26 05 19 16-0655)		
26 05 19 16-0714	MLF		6-6-6-6 Cable SER Copper	6,721.57	1,495.06
26 05 19 16-0715	MLF		4-4-4-6 Cable SER Copper	8,347.30	1,618.74
26 05 19 16-0716	MLF		3-3-3-5 Cable SER Copper	9,724.29	1,826.79
26 05 19 16-0717	MLF		2-2-2-4 Cable SER Copper	11,205.54	1,991.55
26 05 19 16-0718	MLF		1-1-1-3 Cable SER Copper	13,497.98	2,280.42
26 05 19 16-0719	MLF		1/0-1/0-1/0-2 Cable SER Copper	16,873.02	2,613.59
26 05 19 16-0720	MLF		2/0-2/0-2/0-1 Cable SER Copper	19,839.97	2,819.55
26 05 19 16-0721	MLF		3/0-3/0-3/0-1/0 Cable SER Copper	23,675.27	3,153.76
26 05 19 16-0722			Control Tray Cable, Low Voltage (26 05 19 16-0011)		
Note: Type "TC" multi-conductor (individually numbered conductors) control cables installed in conduit.					
26 05 19 16-0723	MLF		2 Conductor #18 AWG, Stranded, Type TC Control Cable	956.59	460.15
			<i>For Installation On Exposed Surface, Deduct</i>	-153.38	
26 05 19 16-0724	MLF		3 Conductor #18 AWG, Stranded, Type TC Control Cable	1,101.75	514.74
			<i>For Installation On Exposed Surface, Deduct</i>	-171.58	
26 05 19 16-0725	MLF		4 Conductor #18 AWG, Stranded, Type TC Control Cable	1,151.43	514.70
			<i>For Installation On Exposed Surface, Deduct</i>	-171.58	
26 05 19 16-0726	MLF		5 Conductor #18 AWG, Stranded, Type TC Control Cable	1,441.77	645.58
			<i>For Installation On Exposed Surface, Deduct</i>	-215.19	
26 05 19 16-0727	MLF		7 Conductor #18 AWG, Stranded, Type TC Control Cable	1,812.44	786.69
			<i>For Installation On Exposed Surface, Deduct</i>	-262.23	
26 05 19 16-0728	MLF		9 Conductor #18 AWG, Stranded, Type TC Control Cable	2,065.04	865.10
			<i>For Installation On Exposed Surface, Deduct</i>	-288.37	
26 05 19 16-0729	MLF		12 Conductor #18 AWG, Stranded, Type TC Control Cable	2,451.16	982.97
			<i>For Installation On Exposed Surface, Deduct</i>	-327.66	
26 05 19 16-0730	MLF		15 Conductor #18 AWG, Stranded, Type TC Control Cable	3,095.31	1,201.47
			<i>For Installation On Exposed Surface, Deduct</i>	-400.49	
26 05 19 16-0731	MLF		19 Conductor #18 AWG, Stranded, Type TC Control Cable	3,530.33	1,310.74
			<i>For Installation On Exposed Surface, Deduct</i>	-436.91	
26 05 19 16-0732	MLF		25 Conductor #18 AWG, Stranded, Type TC Control Cable	4,158.61	1,351.71
			<i>For Installation On Exposed Surface, Deduct</i>	-450.57	
26 05 19 16-0733	MLF		30 Conductor #18 AWG, Stranded, Type TC Control Cable	5,104.03	1,688.65
			<i>For Installation On Exposed Surface, Deduct</i>	-562.88	
26 05 19 16-0734	MLF		37 Conductor #18 AWG, Stranded, Type TC Control Cable	6,116.19	1,973.50
			<i>For Installation On Exposed Surface, Deduct</i>	-657.83	
26 05 19 16-0735	MLF		2 Conductor #16 AWG, Stranded, Type TC Control Cable	1,044.33	484.72
			<i>For Installation On Exposed Surface, Deduct</i>	-161.45	
26 05 19 16-0736	MLF		3 Conductor #16 AWG, Stranded, Type TC Control Cable	1,207.87	541.82
			<i>For Installation On Exposed Surface, Deduct</i>	-180.61	
26 05 19 16-0737	MLF		4 Conductor #16 AWG, Stranded, Type TC Control Cable	1,406.55	623.78
			<i>For Installation On Exposed Surface, Deduct</i>	-207.93	
26 05 19 16-0738	MLF		5 Conductor #16 AWG, Stranded, Type TC Control Cable	1,589.83	679.55
			<i>For Installation On Exposed Surface, Deduct</i>	-226.52	
26 05 19 16-0739	MLF		7 Conductor #16 AWG, Stranded, Type TC Control Cable	2,006.77	828.10
			<i>For Installation On Exposed Surface, Deduct</i>	-276.03	
26 05 19 16-0740	MLF		9 Conductor #16 AWG, Stranded, Type TC Control Cable	2,296.73	910.63
			<i>For Installation On Exposed Surface, Deduct</i>	-303.54	
26 05 19 16-0741	MLF		12 Conductor #16 AWG, Stranded, Type TC Control Cable	2,740.61	1,034.70
			<i>For Installation On Exposed Surface, Deduct</i>	-344.90	
26 05 19 16-0742	MLF		15 Conductor #16 AWG, Stranded, Type TC Control Cable	3,473.82	1,264.64
			<i>For Installation On Exposed Surface, Deduct</i>	-421.55	
26 05 19 16-0743	MLF		19 Conductor #16 AWG, Stranded, Type TC Control Cable	3,981.55	1,379.60
			<i>For Installation On Exposed Surface, Deduct</i>	-459.87	
26 05 19 16-0744	MLF		25 Conductor #16 AWG, Stranded, Type TC Control Cable	4,753.62	1,422.86
			<i>For Installation On Exposed Surface, Deduct</i>	-474.29	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 19 16-0745 MLF 30 Conductor #16 AWG, Stranded, Type TC Control Cable..... <i>For Installation On Exposed Surface, Deduct</i>	5,824.41 -592.48	1,777.44
26 05 19 16-0746 MLF 37 Conductor #16 AWG, Stranded, Type TC Control Cable..... <i>For Installation On Exposed Surface, Deduct</i>	6,996.06 -692.46	2,077.37
26 05 19 16-0747 MLF 2 Conductor #14 AWG, Stranded, Type TC Control Cable..... <i>For Installation On Exposed Surface, Deduct</i>	1,131.18 -168.66	505.97
26 05 19 16-0748 MLF 3 Conductor #14 AWG, Stranded, Type TC Control Cable..... <i>For Installation On Exposed Surface, Deduct</i>	1,349.38 -189.72	569.15
26 05 19 16-0749 MLF 4 Conductor #14 AWG, Stranded, Type TC Control Cable..... <i>For Installation On Exposed Surface, Deduct</i>	1,580.98 -216.84	650.54
26 05 19 16-0750 MLF 5 Conductor #14 AWG, Stranded, Type TC Control Cable..... <i>For Installation On Exposed Surface, Deduct</i>	1,777.36 -233.54	700.62
26 05 19 16-0751 MLF 7 Conductor #14 AWG, Stranded, Type TC Control Cable..... <i>For Installation On Exposed Surface, Deduct</i>	2,362.82 -286.28	858.84
26 05 19 16-0752 MLF 9 Conductor #14 AWG, Stranded, Type TC Control Cable..... <i>For Installation On Exposed Surface, Deduct</i>	2,721.57 -316.26	948.58
26 05 19 16-0753 MLF 12 Conductor #14 AWG, Stranded, Type TC Control Cable..... <i>For Installation On Exposed Surface, Deduct</i>	3,333.65 -352.87	1,058.60
26 05 19 16-0754 MLF 15 Conductor #14 AWG, Stranded, Type TC Control Cable..... <i>For Installation On Exposed Surface, Deduct</i>	3,981.87 -421.55	1,264.45
26 05 19 16-0755 MLF 19 Conductor #14 AWG, Stranded, Type TC Control Cable..... <i>For Installation On Exposed Surface, Deduct</i>	6,693.31 -489.65	1,469.34
26 05 19 16-0756 MLF 25 Conductor #14 AWG, Stranded, Type TC Control Cable..... <i>For Installation On Exposed Surface, Deduct</i>	5,957.20 -572.75	1,717.87
26 05 19 16-0757 MLF 30 Conductor #14 AWG, Stranded, Type TC Control Cable..... <i>For Installation On Exposed Surface, Deduct</i>	6,920.16 -639.91	1,919.72
26 05 19 16-0758 MLF 37 Conductor #14 AWG, Stranded, Type TC Control Cable..... <i>For Installation On Exposed Surface, Deduct</i>	8,333.18 -747.86	2,243.56
26 05 19 16-0759 MLF 2 Conductor #12 AWG, Stranded, Type TC Control Cable..... <i>For Installation On Exposed Surface, Deduct</i>	1,315.12 -180.61	541.82
26 05 19 16-0760 MLF 3 Conductor #12 AWG, Stranded, Type TC Control Cable..... <i>For Installation On Exposed Surface, Deduct</i>	1,568.99 -199.77	599.50
26 05 19 16-0761 MLF 4 Conductor #12 AWG, Stranded, Type TC Control Cable..... <i>For Installation On Exposed Surface, Deduct</i>	1,906.10 -229.93	689.81
26 05 19 16-0762 MLF 5 Conductor #12 AWG, Stranded, Type TC Control Cable..... <i>For Installation On Exposed Surface, Deduct</i>	2,155.08 -244.73	734.20
26 05 19 16-0763 MLF 7 Conductor #12 AWG, Stranded, Type TC Control Cable..... <i>For Installation On Exposed Surface, Deduct</i>	2,836.28 -291.78	875.35
26 05 19 16-0764 MLF 9 Conductor #12 AWG, Stranded, Type TC Control Cable..... <i>For Installation On Exposed Surface, Deduct</i>	3,497.04 -344.90	1,034.70
26 05 19 16-0765 MLF 12 Conductor #12 AWG, Stranded, Type TC Control Cable..... <i>For Installation On Exposed Surface, Deduct</i>	4,248.68 -389.10	1,167.32
26 05 19 16-0766 MLF 15 Conductor #12 AWG, Stranded, Type TC Control Cable..... <i>For Installation On Exposed Surface, Deduct</i>	5,054.49 -446.40	1,339.20
26 05 19 16-0767 MLF 19 Conductor #12 AWG, Stranded, Type TC Control Cable..... <i>For Installation On Exposed Surface, Deduct</i>	5,973.29 -505.97	1,517.91
26 05 19 16-0768 MLF 25 Conductor #12 AWG, Stranded, Type TC Control Cable..... <i>For Installation On Exposed Surface, Deduct</i>	7,642.05 -591.34	1,774.02
26 05 19 16-0769 MLF 30 Conductor #12 AWG, Stranded, Type TC Control Cable..... <i>For Installation On Exposed Surface, Deduct</i>	8,850.55 -691.13	2,073.39
26 05 19 16-0770 MLF 37 Conductor #12 AWG, Stranded, Type TC Control Cable..... <i>For Installation On Exposed Surface, Deduct</i>	10,700.18 -807.80	2,423.41
26 05 19 16-0771 MLF 2 Conductor #10 AWG, Stranded, Type TC Control Cable..... <i>For Installation On Exposed Surface, Deduct</i>	1,563.88 -189.72	569.15
26 05 19 16-0772 MLF 3 Conductor #10 AWG, Stranded, Type TC Control Cable..... <i>For Installation On Exposed Surface, Deduct</i>	1,948.47 -207.93	624.16
26 05 19 16-0773 MLF 4 Conductor #10 AWG, Stranded, Type TC Control Cable..... <i>For Installation On Exposed Surface, Deduct</i>	2,371.16 -237.14	711.43
26 05 19 16-0774 MLF 5 Conductor #10 AWG, Stranded, Type TC Control Cable..... <i>For Installation On Exposed Surface, Deduct</i>	2,753.96 -257.25	771.75
26 05 19 16-0775 MLF 7 Conductor #10 AWG, Stranded, Type TC Control Cable..... <i>For Installation On Exposed Surface, Deduct</i>	3,725.70 -322.89	968.68
26 05 19 16-0776 MLF 9 Conductor #10 AWG, Stranded, Type TC Control Cable..... <i>For Installation On Exposed Surface, Deduct</i>	4,415.02 -361.41	1,084.22
26 05 19 16-0777 MLF 12 Conductor #10 AWG, Stranded, Type TC Control Cable..... <i>For Installation On Exposed Surface, Deduct</i>	5,144.74 -421.55	1,264.64
26 05 19 16-0778 MLF 15 Conductor #10 AWG, Stranded, Type TC Control Cable..... <i>For Installation On Exposed Surface, Deduct</i>	6,079.58 -482.07	1,446.20
26 05 19 16-0779 MLF 19 Conductor #10 AWG, Stranded, Type TC Control Cable..... <i>For Installation On Exposed Surface, Deduct</i>	7,208.37 -546.38	1,639.13
26 05 19 16-0780 MLF 25 Conductor #10 AWG, Stranded, Type TC Control Cable..... <i>For Installation On Exposed Surface, Deduct</i>	9,283.85 -638.58	1,915.74
26 05 19 16-0781 MLF 30 Conductor #10 AWG, Stranded, Type TC Control Cable..... <i>For Installation On Exposed Surface, Deduct</i>	10,745.06 -746.34	2,239.02
26 05 19 16-0782 MLF 37 Conductor #10 AWG, Stranded, Type TC Control Cable..... <i>For Installation On Exposed Surface, Deduct</i>	13,021.98 -872.50	2,617.49
26 05 19 16-0783 ACSR (Aluminum Conductor Steel Reinforced) <small>(26 05 19 16-0011)</small> Note: Concentric lay stranded Class A galvanizing installed on poles, aerially.		
26 05 19 16-0784 ACSR Cable <small>(26 05 19 16-0783)</small>		
26 05 19 16-0785 MLF #4 AWG ACSR Cable Swan 6/1 Installed On Poles, Aluminum Cable.....	1,274.91	458.57
26 05 19 16-0786 MLF #4 AWG ACSR Cable Swanate 7/1 Installed On Poles, Aluminum Cable.....	1,337.72	476.15

26 Electrical**26 05 Common Work Results For Electrical****26 05 19 Low-Voltage Electrical Power Conductors And Cables**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 19 16-0787 MLF #2 AWG ACSR Cable Sparrow 6/1 Installed On Poles, Aluminum Cable.....	1,414.54	494.48
26 05 19 16-0788 MLF #2 AWG ACSR Cable Sparate 7/1 Installed On Poles, Aluminum Cable	1,477.92	512.39
26 05 19 16-0789 MLF #1/0 AWG ACSR Cable Raven 6/1 Installed On Poles, Aluminum Cable.....	1,583.57	529.77
26 05 19 16-0790 MLF #2/0 AWG ACSR Cable Quail 6/1 Installed On Poles, Aluminum Cable.....	1,819.52	600.54
26 05 19 16-0791 MLF #3/0 AWG ACSR Cable Pigeon 6/1 Installed On Poles, Aluminum Cable.....	2,066.32	669.73
26 05 19 16-0792 MLF #4/0 AWG ACSR Cable Penguin 6/1 Installed On Poles, Aluminum Cable.....	2,330.01	739.87
26 05 19 16-0793 MLF #1 Bare Aluminum Wire.....	1,827.80	654.89
26 05 19 16-0794 MLF 336 AWG ACSR Cable Merlin 18/1 Installed On Pole, Aluminum Cable.....	2,858.35	950.82
26 05 19 16-0795 MLF 477 AWG ACSR Cable Hawk 26/1 Installed On Pole, Aluminum Cable.....	3,265.26	1,090.68
26 05 19 16-0796 All Aluminum Conductors (26 05 19 16-0783)		
26 05 19 16-0797 MLF 795.0 ACSR Conductor Aluminum.....	24,283.27	8,880.61
26 05 19 16-0798 Single Conductor Installed On Poles (26 05 19 16-0011)		
26 05 19 16-0799 Bare Stranded Conductor (26 05 19 16-0798)		
26 05 19 16-0800 MLF #12 AWG 1/c Bare Stranded Copper Cable, Installed On Poles	1,092.80	388.53
26 05 19 16-0801 MLF #10 AWG 1/c Bare Stranded Copper Cable, Installed On Poles	1,247.81	423.50
26 05 19 16-0802 MLF #8 AWG 1/c Bare Stranded Copper Cable, Installed On Poles	1,403.94	458.88
26 05 19 16-0803 MLF #6 AWG 1/c Bare Stranded Copper Cable, Installed On Poles	1,650.50	494.48
26 05 19 16-0804 MLF #4 AWG 1/c Bare Stranded Copper Cable, Installed On Poles	1,934.06	530.19
26 05 19 16-0805 MLF #2 AWG 1/c Bare Stranded Copper Cable, Installed On Poles	2,643.34	635.93
26 05 19 16-0806 MLF #1 AWG 1/c Bare Stranded Copper Cable, Installed On Poles	3,012.52	706.39
26 05 19 16-0807 MLF #1/0 AWG 1/c Bare Stranded Copper Cable, Installed On Poles	3,406.54	775.58
26 05 19 16-0808 MLF #2/0 AWG 1/c Bare Stranded Copper Cable, Installed On Poles	4,445.20	919.89
26 05 19 16-0809 MLF #3/0 AWG 1/c Bare Stranded Copper Cable, Installed On Poles	5,334.05	1,057.62
26 05 19 16-0810 MLF #4/0 AWG 1/c Bare Stranded Copper Cable, Installed On Poles	5,790.28	1,198.65
26 05 19 16-0811 MLF 250 MCM 1/c Bare Stranded Copper Cable, Installed On Poles	7,222.11	1,412.67
26 05 19 16-0812 MLF 300 MCM 1/c Bare Stranded Copper Cable, Installed On Poles	7,430.77	1,487.06
26 05 19 16-0813 MLF 350 MCM 1/c Bare Stranded Copper Cable, Installed On Poles	8,970.39	1,557.31
26 05 19 16-0814 MLF 400 MCM 1/c Bare Stranded Copper Cable, Installed On Poles	9,810.73	1,621.20
26 05 19 16-0815 MLF 500 MCM 1/c Bare Stranded Copper Cable, Installed On Poles	11,232.73	1,690.38
26 05 19 16-0816 Insulated Stranded Conductor (26 05 19 16-0798)		
26 05 19 16-0817 MLF #12 AWG 1/c Insulated Stranded Copper Cable, Installed On Poles	1,149.16	388.53
26 05 19 16-0818 MLF #10 AWG 1/c Insulated Stranded Copper Cable, Installed On Poles	1,320.53	423.50
26 05 19 16-0819 MLF #8 AWG 1/c Insulated Stranded Copper Cable, Installed On Poles.....	1,547.51	458.88
26 05 19 16-0820 MLF #6 AWG 1/c Insulated Stranded Copper Cable, Installed On Poles.....	1,677.67	494.48
26 05 19 16-0821 MLF #4 AWG 1/c Insulated Stranded Copper Cable, Installed On Poles.....	1,975.52	530.19
26 05 19 16-0822 MLF #2 AWG 1/c Insulated Stranded Copper Cable, Installed On Poles.....	2,583.47	635.93
26 05 19 16-0823 MLF #1 AWG 1/c Insulated Stranded Copper Cable, Installed On Poles.....	3,006.54	706.39
26 05 19 16-0824 MLF #1/0 AWG 1/c Insulated Stranded Copper Cable, Installed On Poles.....	3,489.91	775.58
26 05 19 16-0825 MLF #2/0 AWG 1/c Insulated Stranded Copper Cable, Installed On Poles.....	4,189.19	919.89
26 05 19 16-0826 MLF #3/0 AWG 1/c Insulated Stranded Copper Cable, Installed On Poles.....	4,977.20	1,057.62
26 05 19 16-0827 MLF #4/0 AWG 1/c Insulated Stranded Copper Cable, Installed On Poles.....	5,818.12	1,198.65
26 05 19 16-0828 MLF 250 MCM 1/c Insulated Stranded Copper Cable, Installed On Poles	7,051.78	1,412.67
26 05 19 16-0829 MLF 300 MCM 1/c Insulated Stranded Copper Cable, Installed On Poles	7,881.63	1,487.06
26 05 19 16-0830 MLF 350 MCM 1/c Insulated Stranded Copper Cable, Installed On Poles	8,568.21	1,557.31
26 05 19 16-0831 MLF 400 MCM 1/c Insulated Stranded Copper Cable, Installed On Poles	9,477.26	1,621.20
26 05 19 16-0832 MLF 500 MCM 1/c Insulated Stranded Copper Cable, Installed On Poles	10,523.46	1,690.38
26 05 19 16-0833 Bare Solid Conductor (26 05 19 16-0798)		
26 05 19 16-0834 MLF #12 AWG 1/c Bare Solid Copper Cable, Installed On Poles.....	1,092.80	388.53
26 05 19 16-0835 MLF #8 AWG 1/c Bare Solid Copper Cable, Installed On Poles.....	1,403.94	458.88
26 05 19 16-0836 MLF #6 AWG 1/c Bare Solid Copper Cable, Installed On Poles.....	1,650.50	494.48
26 05 19 16-0837 MLF #4 AWG 1/c Bare Solid Copper Cable, Installed On Poles.....	1,916.93	530.19
26 05 19 23 Manufactured Wiring Assemblies (26 05 19)		
26 05 19 23-0001 Festoon Cable Systems Complete System (26 05 19 23)		
26 05 19 23-0002 Components (26 05 19 23-0001)		
26 05 19 23-0003 LF 20' C Channel Type Track, Galvanized Steel Festoon Cable System Components.....	13.86	6.22
26 05 19 23-0004 EA Channel Track Hanger, Plated Steel Festoon Cable System Components	55.07	22.83
26 05 19 23-0005 EA Channel Track Joint Clamp Assembly Festoon Cable System Components.....	45.04	22.83
26 05 19 23-0006 EA End Stop For Channel Track Festoon Cable System Components	11.44	5.19
26 05 19 23-0007 EA End Clamp And Cable Saddle Assembly With Steel Saddle, Festoon Cable System	57.19	25.94
26 05 19 23-0008 EA Cable Supplying Trolley, Steel Saddle With Stainless Steel Ball Bearing Wheel, Festoon Cable	43.10	2.07
26 05 19 23-0009 EA Towing Trolley Assembly With Steel Saddle With Stainless Steel Ball Bearing Wheel, Festoon Cable	49.45	2.07
26 05 19 23-0010 EA J-Box With 2 Terminal Blocks And Bracket Festoon Cable System Components	330.21	129.70
26 05 19 23-0011 EA Watertight Connector For Flat Cable Festoon Cable System Components.....	29.62	10.39
26 05 19 23-0012 Cable (26 05 19 23-0001)		
26 05 19 23-0013 LF 12/c #16 Flat Festoon Cable Polyvinyl Chloride (PVC) Jacketed, 600 Volt	6.78	2.07
26 05 19 23-0014 LF 12/c #14 Flat Festoon Cable Polyvinyl Chloride (PVC) Jacketed, 600 Volt	7.24	2.07



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 19 23-0015 LF 8/c #16 Flat Festoon Cable Polyvinyl Chloride (PVC) Jacketed, 600 Volt	6.32	2.07
26 05 19 23-0016 LF 8/c #14 Flat Festoon Cable Polyvinyl Chloride (PVC) Jacketed, 600 Volt	6.30	2.07
26 05 19 23-0017 LF 7/c #12 Flat Festoon Cable Polyvinyl Chloride (PVC) Jacketed, 600 Volt	6.78	2.07
26 05 19 23-0018 LF 4/c #14 Flat Festoon Cable Polyvinyl Chloride (PVC) Jacketed, 600 Volt	5.32	2.07
26 05 19 23-0019 LF 4/c #12 Flat Festoon Cable Polyvinyl Chloride (PVC) Jacketed, 600 Volt	5.57	2.07
26 05 19 23-0020 Complete Systems <small>(26 05 19 23-0001)</small>		
26 05 19 23-0021 EA Festoon System, 80' Long, Complete With 7/c #12 And 4/c #14, Wet Environment.....	5,487.00	2,075.18
<small>Note: Includes 10 each cable trolleys with steel saddle, stainless steel wheels, 1 each J-box with terminal strips and brackets, 80 LF C type track, 20' sections, 9 each hangars, 3 each joints, 2 each end stop, 1 each end clamp with steel saddle, 1 each towing trolley with steel saddle, 2 each watertight connectors for 4/c #14, 2 each watertight connectors for 7/c #12, 80 LF each type cable as listed.</small>		
26 05 23 Control-Voltage Electrical Power Cables <small>(26 05)</small>		
26 05 23 00-0001 Cable For Sound System <small>(26 05 23)</small>		
26 05 23 00-0002 Shielded Conductors <small>(26 05 23 00-0001)</small>		
<small>Note: One pair, stranded or solid, copper, PVC jacketed, sizes as indicated on tasks.</small>		
26 05 23 00-0003 MLF 1 Pair #20 AWG Sound System, Placed In Conduit, Shielded.....	819.65	379.43
26 05 23 00-0004 MLF 1 Pair #14 AWG Sound System, Placed In Conduit, Shielded.....	1,217.16	379.43
26 05 23 00-0005 MLF 3 Conductor, #16 AWG Sound System, Placed In Conduit, Shielded	1,038.23	224.83
26 05 23 00-0006 MLF 6 Conductor, #18 AWG Sound System, Placed In Conduit, Shielded	1,088.92	229.93
26 05 23 00-0007 Cable For HVAC System Controls <small>(26 05 23)</small>		
26 05 23 00-0008 Low Voltage Thermostat Cable To 300 Volts <small>(26 05 23 00-0007)</small>		
<small>Note: For surface or conduit installation.</small>		
26 05 23 00-0009 MLF #20/2 Conductor, Low Volt Thermostat Cable	396.85	120.94
26 05 23 00-0010 MLF #20/3 Conductor, Low Volt Thermostat Cable	449.58	127.39
26 05 23 00-0011 MLF #20/4 Conductor, Low Volt Thermostat Cable	486.16	134.70
26 05 23 00-0012 MLF #20/5 Conductor, Low Volt Thermostat Cable	575.30	140.39
26 05 23 00-0013 MLF #20/6 Conductor, Low Volt Thermostat Cable	602.39	147.03
26 05 23 00-0014 MLF #20/7 Conductor, Low Volt Thermostat Cable	660.69	153.14
26 05 23 00-0015 MLF #20/8 Conductor, Low Volt Thermostat Cable	711.62	159.27
26 05 23 00-0016 MLF #20/9 Conductor, Low Volt Thermostat Cable	770.22	165.62
26 05 23 00-0017 MLF #20/10 Conductor, Low Volt Thermostat Cable	826.17	170.59
26 05 23 00-0018 MLF #18/2 Conductor, Low Volt Thermostat Cable	427.58	120.94
26 05 23 00-0019 MLF #18/3 Conductor, Low Volt Thermostat Cable	504.41	127.39
26 05 23 00-0020 MLF #18/4 Conductor, Low Volt Thermostat Cable	573.15	134.70
26 05 23 00-0021 MLF #18/5 Conductor, Low Volt Thermostat Cable	611.21	140.39
26 05 23 00-0022 MLF #18/6 Conductor, Low Volt Thermostat Cable	674.53	147.03
26 05 23 00-0023 MLF #18/7 Conductor, Low Volt Thermostat Cable	693.81	153.14
26 05 23 00-0024 MLF #18/8 Conductor, Low Volt Thermostat Cable	762.16	159.27
26 05 23 00-0025 MLF #18/9 Conductor, Low Volt Thermostat Cable	891.50	165.62
26 05 23 00-0026 MLF #18/10 Conductor, Low Volt Thermostat Cable	975.75	170.59
26 05 26 Grounding And Bonding For Electrical Systems <small>(26 05)</small>		
26 05 26 00-0001 Conductors, Straps And Conduit Jumpers <small>(26 05 26)</small>		
26 05 26 00-0002 Single Conductor <small>(26 05 26 00-0001)</small>		
26 05 26 00-0003 Copper Bare Stranded Conductors <small>(26 05 26 00-0002)</small>		
26 05 26 00-0004 MLF 12 AWG Copper Bare Single Stranded Conductor	459.97	192.58
26 05 26 00-0005 MLF 10 AWG Copper Bare Single Stranded Conductor	582.20	192.58
26 05 26 00-0006 MLF 8 AWG Copper Bare Single Stranded Conductor	705.22	231.97
26 05 26 00-0007 MLF 6 AWG Copper Bare Single Stranded Conductor	918.93	231.97
26 05 26 00-0008 MLF 4 AWG Copper Bare Single Stranded Conductor	1,189.29	280.12
26 05 26 00-0009 MLF 2 AWG Copper Bare Single Stranded Conductor	1,791.59	280.12
26 05 26 00-0010 MLF 1 AWG Copper Bare Single Stranded Conductor	2,052.89	337.02
26 05 26 00-0011 MLF 1/0 AWG Copper Bare Single Stranded Conductor	2,401.00	337.02
26 05 26 00-0012 MLF 2/0 AWG Copper Bare Single Stranded Conductor	3,292.91	424.55
26 05 26 00-0013 MLF 3/0 AWG Copper Bare Single Stranded Conductor	4,024.06	424.55
26 05 26 00-0014 MLF 4/0 AWG Copper Bare Single Stranded Conductor	4,315.21	564.61
26 05 26 00-0015 MLF 250 MCM Copper Bare Single Stranded Conductor	5,462.75	564.61
26 05 26 00-0016 MLF 300 MCM Copper Bare Single Stranded Conductor	5,511.56	652.14
26 05 26 00-0017 MLF 350 MCM Copper Bare Single Stranded Conductor	7,302.06	652.14
26 05 26 00-0018 MLF 500 MCM Copper Bare Single Stranded Conductor	9,886.88	805.33
26 05 26 00-0019 Copper Insulated Single Stranded Conductors <small>(26 05 26 00-0002)</small>		
26 05 26 00-0020 MLF 12 AWG Copper Insulated Single Stranded Conductor	775.70	262.61
26 05 26 00-0021 MLF 10 AWG Copper Insulated Single Stranded Conductor	850.10	262.61
26 05 26 00-0022 MLF 8 AWG Copper Insulated Single Stranded Conductor	1,067.58	262.61
26 05 26 00-0023 MLF 6 AWG Copper Insulated Single Stranded Conductor	1,234.30	455.19
26 05 26 00-0024 MLF 4 AWG Copper Insulated Single Stranded Conductor	1,626.53	455.19
26 05 26 00-0025 MLF 2 AWG Copper Insulated Single Stranded Conductor	2,242.16	455.19

26 Electrical**26 05 Common Work Results For Electrical****26 05 26 Grounding And Bonding For Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 26 00-0026 MLF 1 AWG Copper Insulated Single Stranded Conductor	2,681.37	796.58
26 05 26 00-0027 MLF 1/0 AWG Copper Insulated Single Stranded Conductor	3,242.87	796.58
26 05 26 00-0028 MLF 2/0 AWG Copper Insulated Single Stranded Conductor	3,756.80	796.58
26 05 26 00-0029 MLF 3/0 AWG Copper Insulated Single Stranded Conductor	4,420.72	796.58
26 05 26 00-0030 MLF 4/0 AWG Copper Insulated Single Stranded Conductor	5,167.05	1,041.69
26 05 26 00-0031 MLF 250 MCM Copper Insulated Single Stranded Conductor	6,177.14	1,041.69
26 05 26 00-0032 MLF 300 MCM Copper Insulated Single Stranded Conductor	7,144.88	1,041.69
26 05 26 00-0033 MLF 350 MCM Copper Insulated Single Stranded Conductor	8,479.85	1,619.43
26 05 26 00-0034 MLF 500 MCM Copper Insulated Single Stranded Conductor	10,927.81	1,619.43
26 05 26 00-0035 Copper Bare Single Solid Conductors (26 05 26 00-0002)		
26 05 26 00-0036 MLF 12 AWG Copper Bare Single Solid Conductor.....	459.97	192.58
26 05 26 00-0037 MLF 10 AWG Copper Bare Single Solid Conductor.....	582.20	192.58
26 05 26 00-0038 MLF 8 AWG Copper Bare Single Solid Conductor.....	705.22	231.97
26 05 26 00-0039 MLF 6 AWG Copper Bare Single Solid Conductor.....	918.93	231.97
26 05 26 00-0040 MLF 4 AWG Copper Bare Single Solid Conductor.....	1,189.29	280.12
26 05 26 00-0041 MLF 2 AWG Copper Bare Single Solid Conductor.....	1,791.59	280.12
26 05 26 00-0042 MLF 1/0 AWG Copper Bare Single Solid Conductor.....	2,401.00	337.02
26 05 26 00-0043 MLF 4/0 AWG Copper Bare Single Solid Conductor.....	4,315.21	446.43
26 05 26 00-0044 Aluminum Bare Single Stranded Conductors (26 05 26 00-0002)		
26 05 26 00-0045 MLF 8 AWG Aluminum Bare Single Stranded Conductor	554.32	231.97
26 05 26 00-0046 MLF 6 AWG Aluminum Bare Single Stranded Conductor	605.27	231.97
26 05 26 00-0047 MLF 4 AWG Aluminum Bare Single Stranded Conductor	683.95	280.12
26 05 26 00-0048 MLF 2 AWG Aluminum Bare Single Stranded Conductor	843.05	280.12
26 05 26 00-0049 MLF 1 AWG Aluminum Bare Single Stranded Conductor	960.02	337.02
26 05 26 00-0050 MLF 1/0 AWG Aluminum Bare Single Stranded Conductor	1,099.40	337.02
26 05 26 00-0051 MLF 2/0 AWG Aluminum Bare Single Stranded Conductor	1,252.22	424.55
26 05 26 00-0052 MLF 3/0 AWG Aluminum Bare Single Stranded Conductor	1,433.45	424.55
26 05 26 00-0053 MLF 4/0 AWG Aluminum Bare Single Stranded Conductor	1,708.97	564.61
26 05 26 00-0054 MLF 250 MCM Aluminum Bare Single Stranded Conductor	1,906.14	564.61
26 05 26 00-0055 MLF 300 MCM Aluminum Bare Single Stranded Conductor	2,238.47	652.14
26 05 26 00-0056 MLF 350 MCM Aluminum Bare Single Stranded Conductor	2,523.91	652.14
26 05 26 00-0057 MLF 500 MCM Aluminum Bare Single Stranded Conductor	2,977.09	805.33
26 05 26 00-0058 Aluminum Bare Single Solid Conductors (26 05 26 00-0002)		
26 05 26 00-0059 MLF 8 AWG Aluminum Bare Single Solid Conductor	554.32	231.97
26 05 26 00-0060 MLF 6 AWG Aluminum Bare Single Solid Conductor	605.27	231.97
26 05 26 00-0061 MLF 4 AWG Aluminum Bare Single Solid Conductor	683.95	280.12
26 05 26 00-0062 MLF 2 AWG Aluminum Bare Single Solid Conductor	843.05	280.12
26 05 26 00-0063 MLF 1 AWG Aluminum Bare Single Solid Conductor	924.69	446.43
26 05 26 00-0064 MLF 1/0 AWG Aluminum Bare Single Solid Conductor.....	1,099.40	446.43
26 05 26 00-0065 MLF 2/0 AWG Aluminum Bare Single Solid Conductor.....	1,164.71	424.55
26 05 26 00-0066 MLF 3/0 AWG Aluminum Bare Single Solid Conductor.....	1,257.24	424.55
26 05 26 00-0067 MLF 4/0 AWG Aluminum Bare Single Solid Conductor.....	1,708.97	564.61
26 05 26 00-0068 MLF 250 MCM Aluminum Bare Single Solid Conductor.....	1,906.14	564.61
26 05 26 00-0069 MLF 300 MCM Aluminum Bare Single Solid Conductor.....	2,238.47	652.14
26 05 26 00-0070 MLF 350 MCM Aluminum Bare Single Solid Conductor.....	2,523.91	652.14
26 05 26 00-0071 MLF 500 MCM Aluminum Bare Single Solid Conductor.....	2,977.09	805.33
26 05 26 00-0072 Aluminum Smooth Woven Conductors (26 05 26 00-0002)		
26 05 26 00-0073 LF 10 Strand x 14 AWG Smooth Weave Aluminum Conductor	2.15	0.71
26 05 26 00-0074 LF 16 Strand x 14 AWG Smooth Weave Aluminum Conductor	2.38	0.79
26 05 26 00-0075 LF 24 Strand x 14 AWG Smooth Weave Aluminum Conductor	2.79	0.90
26 05 26 00-0076 LF 26 Strand x 14 AWG Smooth Weave Aluminum Conductor	2.76	0.92
26 05 26 00-0077 LF 28 Strand x 14 AWG Smooth Weave Aluminum Conductor	2.95	0.96
26 05 26 00-0078 Copper Flexible Braid Connector Jumper Strap (26 05 26 00-0001)		
Note: Manufactured from flat extra flexible tinned braid. Ferrules are tin plated pure electrolytic copper with 2 holes, on each end.		
26 05 26 00-0079 EA 100 Amp, Copper Flexible Braid Jumper Strap, 12" Length.....	101.09	25.94
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	15.56	
26 05 26 00-0080 EA 225 Amp, Copper Flexible Braid Jumper Strap, 12" Length.....	166.81	31.13
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	18.68	
26 05 26 00-0081 EA 225 Amp, Copper Flexible Braid Jumper Strap, 18" Length.....	208.68	31.13
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	18.68	
26 05 26 00-0082 EA 225 Amp, Copper Flexible Braid Jumper Strap, 24" Length.....	249.97	31.13
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	18.68	
26 05 26 00-0083 EA 400 Amp, Copper Flexible Braid Jumper Strap, 12" Length.....	222.92	33.72
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	23.35	
26 05 26 00-0084 EA 400 Amp, Copper Flexible Braid Jumper Strap, 18" Length.....	283.14	33.72
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	23.35	
26 05 26 00-0085 EA 400 Amp, Copper Flexible Braid Jumper Strap, 24" Length.....	335.47	33.72
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	23.35	
26 05 26 00-0086 EA 600 Amp, Copper Flexible Braid Jumper Strap, 12" Length.....	285.79	42.80
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	25.68	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 26 00-0087 EA 800 Amp, Copper Flexible Braid Jumper Strap, 12" Length <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	343.91 31.13	51.88
26 05 26 00-0088 Bonding Jumper For Metallic Conduit <small>(26 05 26 00-0001)</small>		
26 05 26 00-0089 EA 1/2" To 1" Conductor, Bonding Jumper - Metallic Conduit..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	145.63 32.42	57.07
26 05 26 00-0090 EA 1-1/4" To 2" Conductor, Bonding Jumper - Metallic Conduit..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	179.39 39.91	57.07
26 05 26 00-0091 EA 2-1/2" To 4" Conductor, Bonding Jumper - Metallic Conduit..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	252.42 47.16	88.20
26 05 26 00-0092 EA 5" To 6" Conductor, Bonding Jumper - Metallic Conduit..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	362.04 57.64	88.20
26 05 26 00-0093 Ground Rods <small>(26 05 26)</small>		
26 05 26 00-0094 Copper-Clad Ground Rods <small>(26 05 26 00-0093)</small>		
26 05 26 00-0095 EA 1/2" Diameter x 8' Long Copper-Clad Ground Rods	87.03	77.82
26 05 26 00-0096 EA 5/8" Diameter x 8' Long Copper-Clad Ground Rods	90.53	77.82
26 05 26 00-0097 EA 3/4" Diameter x 8' Long Copper-Clad Ground Rods	104.66	77.82
26 05 26 00-0098 EA 1/2" Diameter x 10' Long Copper-Clad Ground Rods	102.32	77.82
26 05 26 00-0099 EA 5/8" Diameter x 10' Long Copper-Clad Ground Rods	106.70	77.82
26 05 26 00-0100 EA 3/4" Diameter x 10' Long Copper-Clad Ground Rods	124.36	77.82
26 05 26 00-0101 Copper Grounding Shaft <small>(26 05 26 00-0093)</small>		
26 05 26 00-0102 EA 2-1/8" Diameter x 10' Long Copper Grounding Shaft.....	265.10	77.82
26 05 26 00-0103 EA 2-1/8" Diameter "L" Shaped; 3' Riser x 10' Horizontal Copper Grounding Shaft.....	328.02	77.82
26 05 26 00-0104 EA 2-1/8" Diameter "L" Shaped; 3' Riser x 20' Horizontal Copper Grounding Shaft.....	499.75	77.82
26 05 26 00-0105 Ground Access Wells <small>(26 05 26 00-0093)</small>		
26 05 26 00-0106 Precast Ground Access Wells <small>(26 05 26 00-0105)</small>		
26 05 26 00-0107 EA 8" Diameter x 24" Deep Precast Ground Access Well..... Note: With cast iron grate.	170.48	
26 05 26 00-0108 EA 10" Diameter x 24" Deep Precast Ground Access Well..... Note: With cast iron grate.	178.43	
26 05 26 00-0109 EA 12" Diameter x 24" Deep Precast Ground Access Well..... Note: With cast iron grate.	465.51	
26 05 26 00-0110 EA 18" Diameter x 24" Deep Precast Ground Access Well..... Note: With cast iron grate.	473.45	
26 05 26 00-0111 Polyvinyl Chloride (PVC) Ground Access Well <small>(26 05 26 00-0105)</small>		
26 05 26 00-0112 EA 10" Diameter x 24" Deep Polyvinyl Chloride (PVC) Belled Hub Ground Access Well Note: Schedule 40 with cast iron grated cover.	283.16	
26 05 26 00-0113 EA 12" Diameter x 24" Deep Polyvinyl Chloride (PVC) Belled Hub Ground Access Well Note: Schedule 40 with cast iron grated cover.	330.16	
26 05 26 00-0114 EA 18" Diameter x 24" Deep Polyvinyl Chloride (PVC) Belled Hub Ground Access Well Note: Schedule 40 with cast iron grated cover.	597.21	
26 05 26 00-0115 EA 10" Diameter x 24" Deep Polyvinyl Chloride (PVC) Belled Hub Ground Access Well Note: Schedule 40 with flat steel cover.	271.48	
26 05 26 00-0116 EA 12" Diameter x 24" Deep Polyvinyl Chloride (PVC) Belled Hub Ground Access Well Note: Schedule 40 with flat steel cover.	274.60	
26 05 26 00-0117 EA 18" Diameter x 24" Deep Polyvinyl Chloride (PVC) Belled Hub Ground Access Well Note: Schedule 40 with flat steel cover.	573.55	
26 05 26 00-0118 EA 8" Diameter x 24" Deep Polyvinyl Chloride (PVC) Ground Access Well..... Note: Schedule 40 with flat steel cover.	158.99	
26 05 26 00-0119 EA 10" Diameter x 24" Deep Polyvinyl Chloride (PVC) Ground Access Well..... Note: Schedule 40 with flat steel cover.	170.18	
26 05 26 00-0120 EA 12" Diameter x 24" Deep Polyvinyl Chloride (PVC) Ground Access Well..... Note: Schedule 40 with flat steel cover.	179.40	
26 05 26 00-0121 EA 8" Diameter x 24" Deep Schedule 40 Polyvinyl Chloride (PVC) Ground Access Well, Plastic Cover	126.32	
26 05 26 00-0122 EA 10" Diameter x 24" Deep Schedule 40 Polyvinyl Chloride (PVC) Ground Access Well, Plastic Cover	179.60	
26 05 26 00-0123 EA 8" Diameter x 42" Deep Polyvinyl Chloride (PVC) Slotted Ground Access Well..... Note: Schedule 40 with flat steel cover.	305.13	
26 05 26 00-0124 EA 10" Diameter x 42" Deep Polyvinyl Chloride (PVC) Slotted Ground Access Well..... Note: Schedule 40 with flat steel cover.	399.64	
26 05 26 00-0125 EA 8" Diameter x 42" Deep Polyvinyl Chloride (PVC) Slotted Ground Access Well..... Note: Schedule 40 with plastic cover.	249.80	
26 05 26 00-0126 EA 10" Diameter x 42" Deep Polyvinyl Chloride (PVC) Slotted Ground Access Well..... Note: Schedule 40 with plastic cover.	354.41	
26 05 26 00-0127 EA 10" Diameter x 36" Deep Polyvinyl Chloride (PVC) Schedule 80 Ground Access Well..... Note: With cast iron grate, heavy duty.	369.69	
26 05 26 00-0128 EA 10" Diameter x 42" Deep Polyvinyl Chloride (PVC) Schedule 80 Ground Access Well..... Note: With cast iron grate, heavy duty.	450.24	
26 05 26 00-0129 EA 12" Diameter x 12" Deep Polyvinyl Chloride (PVC) Schedule 80 Ground Access Well..... Note: With cast iron grate, heavy duty.	207.95	
26 05 26 00-0130 EA 12" Diameter x 24" Deep Polyvinyl Chloride (PVC) Schedule 80 Ground Access Well..... Note: With cast iron grate, heavy duty.	349.92	

26 Electrical**26 05 Common Work Results For Electrical****26 05 26 Grounding And Bonding For Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 26 00-0131 EA 12" Diameter x 30" Deep Polyvinyl Chloride (PVC) Schedule 80 Ground Access Well Note: With cast iron grate, heavy duty.	375.88	
26 05 26 00-0132 Polymer Concrete Ground Access Well <small>(26 05 26 00-0105)</small>		
26 05 26 00-0133 EA 12" x 12" x 12" Polymer Concrete Ground Access Well.....	297.41	
26 05 26 00-0134 EA 12" x 12" x 12" Heavy Duty Polymer Concrete Ground Access Well.....	324.65	
26 05 26 00-0135 EA 12" x 12" x 18" Polymer Concrete Ground Access Well.....	326.64	
26 05 26 00-0136 EA 12" x 12" x 18" Heavy Duty Polymer Concrete Ground Access Well.....	356.54	
26 05 26 00-0137 EA 12" x 12" x 24" Polymer Concrete Ground Access Well.....	356.93	
26 05 26 00-0138 EA 12" x 12" x 24" Heavy Duty Polymer Concrete Ground Access Well.....	389.74	
26 05 26 00-0139 EA 13" x 24" x 18" Polymer Concrete Ground Access Well.....	470.13	
26 05 26 00-0140 EA 13" x 24" x 18" Heavy Duty Polymer Concrete Ground Access Well.....	514.65	
26 05 26 00-0141 High Density Polyethylene (HDPE) Ground Access Well <small>(26 05 26 00-0105)</small>		
26 05 26 00-0142 EA 9" Diameter x 10" Deep High Density Polyethylene (HDPE) Ground Access Well Note: With cover.	117.43	
26 05 26 00-0143 EA 14" Diameter x 18" Deep High Density Polyethylene (HDPE) Ground Access Well Note: With cover.	161.30	
26 05 26 00-0144 Ground Rod Clamps And Fittings <small>(26 05 26)</small>		
26 05 26 00-0145 Bronze Ground Rod Clamp <small>(26 05 26 00-0144)</small>		
26 05 26 00-0146 EA 1/2" Bronze Ground Rod Clamp	20.52	11.72
26 05 26 00-0147 EA 5/8" Bronze Ground Rod Clamp	21.40	11.72
26 05 26 00-0148 EA 3/4" Bronze Ground Rod Clamp	22.66	11.72
26 05 26 00-0149 Bronze Pipe Clamps <small>(26 05 26 00-0144)</small>		
26 05 26 00-0150 EA 1/2" To 1" Bronze Pipe Ground Clamps.....	28.17	19.50
26 05 26 00-0151 EA 1-1/4" To 2" Bronze Ground Clamps For Pipe	36.07	23.34
26 05 26 00-0152 EA 2-1/2" To 3" Bronze Ground Clamps For Pipe	54.87	27.29
26 05 26 00-0153 EA 2-1/2" To 4" Bronze Ground Clamps For Pipe	66.84	35.07
26 05 26 00-0154 EA 4" To 6" Bronze Ground Clamps For Pipe	102.81	50.63
26 05 26 00-0155 Grounding Fittings <small>(26 05 26 00-0144)</small>		
26 05 26 00-0156 Embedded Fittings <small>(26 05 26 00-0155)</small>		
26 05 26 00-0157 EA Ground Insert With 2 - 3/8 x 16 Holes #2-250 MCM Cable Range, Embedded	138.08	
26 05 26 00-0158 EA Ground Insert With 4 - 3/8 x 16 Holes #2-250 MCM Cable Range, Embedded	146.08	
26 05 26 00-0159 EA Ground Insert With 4 - 3/8 x 16 Holes 250-500 MCM Cable Range, Embedded	160.26	
26 05 26 00-0160 EA Grounding Wire Splice, Copper To Aluminum, #8 - 1 AWG.....	136.65	
26 05 26 00-0161 EA Grounding Wire Splice, Copper To Aluminum, 1/0 - 3/0 AWG.....	163.75	
26 05 26 00-0162 EA Grounding Wire Splice, Copper To Aluminum, 4/0 - 300 MCM.....	192.00	
26 05 26 00-0163 EA Grounding Wire Splice, Copper To Aluminum, 350 MCM And Up.....	216.22	
26 05 26 00-0164 Ground Rod Receptacle <small>(26 05 26 00-0155)</small>		
26 05 26 00-0165 EA 1/2" Ground Rod Receptacle	297.35	107.91
26 05 26 00-0166 EA 5/8" Ground Rod Receptacle	310.45	110.95
26 05 26 00-0167 EA 3/4" Ground Rod Receptacle	323.87	113.97
26 05 26 00-0168 Ground Kits For Circuit Breaker Panels <small>(26 05 26 00-0155)</small>		
26 05 26 00-0169 EA 14-8 AWG Copper Ground Kit	66.94	25.94
26 05 26 00-0170 EA 12-8 AWG Aluminum Ground Kit	58.51	25.94
26 05 26 00-0171 EA 14-4 AWG Copper Ground Kit	73.66	25.94
26 05 26 00-0172 EA 12-4 AWG Aluminum Ground Kit	63.15	25.94
26 05 26 00-0173 Insulated Grounding Bars <small>(26 05 26 00-0144)</small>		
26 05 26 00-0174 EA Insulated Ground Bar 1/2" x 4" x 10"..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	273.92 46.69	26.05
26 05 26 00-0175 EA Insulated Ground Bar SK 9560 1/2" x 4" x 20"..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	286.90 46.69	26.05
26 05 26 00-0176 Ground Conductor Bonding <small>(26 05 26)</small>		
26 05 26 00-0177 Ground Conductor Bonding <small>(26 05 26 00-0176)</small>		
26 05 26 00-0178 Splice, Lug, Ground Rod, Rebar Or Structural Steel Cadweld <small>(26 05 26 00-0177)</small>		
26 05 26 00-0179 EA Up To #6 AWG Cadweld Connection For Splice, Lug, Ground Rod, Rebar Or Structural Steel..... Note: Includes molds, materials and all necessary tools to make connections.	121.62	
26 05 26 00-0180 EA #4 To #1 AWG Cadweld Connection For Splice, Lug, Ground Rod, Rebar Or Structural Steel..... Note: Includes molds, materials and all necessary tools to make connections.	131.99	
26 05 26 00-0181 EA 1/0 To 4/0 AWG Cadweld Connection For Splice, Lug, Ground Rod, Rebar Or Structural Steel..... Note: Includes molds, materials and all necessary tools to make connections.	142.37	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 26 00-0182 EA 250 To 1,000 MCM AWG Cadweld Connection For Splice, Lug, Ground Rod, Rebar Or Structural Steel Note: Includes molds, materials and all necessary tools to make connections.	204.62	
26 05 26 00-0183 Tee, Wye Or Cross Cadweld <small>(26 05 26 00-0177)</small>		
26 05 26 00-0184 EA Up To #6 AWG Cadweld Connection For Tee, Wye Or Cross..... Note: Includes molds, materials and all necessary tools to make connections.	137.18	
26 05 26 00-0185 EA #4 To #1 AWG Cadweld Connection For Tee, Wye Or Cross Note: Includes molds, materials and all necessary tools to make connections.	157.93	
26 05 26 00-0186 EA 1/0 To 4/0 AWG Cadweld Connection For Tee, Wye Or Cross Note: Includes molds, materials and all necessary tools to make connections.	194.25	
26 05 26 00-0187 EA 250 To 1,000 MCM AWG Cadweld Connection For Tee, Wye Or Cross..... Note: Includes molds, materials and all necessary tools to make connections.	235.75	
26 05 26 00-0188 Grounding Equipment <small>(26 05 26)</small>		
26 05 26 00-0189 Special Grounding Equipment <small>(26 05 26 00-0188)</small>		
26 05 26 00-0190 Ground Reels And Ground Bus <small>(26 05 26 00-0189)</small>		
26 05 26 00-0191 EA Ground Reel With 50' Of Galvanized Steel Cable	619.17	
26 05 26 00-0192 Copper Bars <small>(26 05 26 00-0189)</small>		
26 05 26 00-0193 LF 1/4" x 2" Copper Bar	36.14	
26 05 26 00-0194 Phenolic Insulators <small>(26 05 26 00-0189)</small>		
26 05 26 00-0195 EA 2" x 2" x 1" Long Phenolic Insulators <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	26.78 6.23	
26 05 26 00-0196 Grounding Studs <small>(26 05 26 00-0189)</small>		
26 05 26 00-0197 EA Ball Grounding Stud..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	38.86 9.29	
26 05 26 00-0198 Equipment Ground Bar Kits <small>(26 05 26 00-0189)</small>		
26 05 26 00-0199 EA Switch Rating 30 Ground Bar Kit..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	29.79 6.23	
26 05 26 00-0200 EA Switch Rating 60 Ground Bar Kit..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	37.71 6.85	
26 05 26 00-0201 EA Switch Rating 100 Ground Bar Kit..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	43.88 7.78	
26 05 26 00-0202 EA Switch Rating 200 Ground Bar Kit..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	74.79 9.34	
26 05 26 00-0203 Panelboard Ground Bar Kits <small>(26 05 26 00-0189)</small>		
26 05 26 00-0204 EA Panelboard Ground Bar Kit..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	106.58 7.78	7.78
26 05 26 00-0205 Circuit Breaker Ground Bar Kits <small>(26 05 26 00-0189)</small>		
26 05 26 00-0206 EA 3 Circuit, Ground Bar Kit..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	24.61 4.67	4.67
26 05 26 00-0207 EA 4 Circuit, Ground Bar Kit..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	24.19 4.67	4.67
26 05 26 00-0208 EA 7 Circuit, Ground Bar Kit..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	24.89 4.67	4.67
26 05 26 00-0209 EA 12 Circuit, Ground Bar Kit..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	28.21 5.29	5.29
26 05 26 00-0210 EA 20 Circuit, Ground Bar Kit..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	32.09 5.92	5.91
26 05 26 00-0211 EA 24 Circuit, Ground Bar Kit..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	35.42 6.54	6.54
26 05 26 00-0212 EA 30 Circuit, Ground Bar Kit..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	39.64 7.47	7.47
26 05 26 00-0213 EA 54 Circuit, Ground Bar Kit..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	45.87 8.72	8.72
26 05 26 00-0214 EA 24 Circuit, Ground Bar Kit With #1 To 4/0 Aluminum/Copper Lug <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	49.46 6.54	6.54
26 05 26 00-0215 EA 30 Circuit, Ground Bar Kit With #1 To 4/0 Aluminum/Copper Lug <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	54.79 7.47	7.47
26 05 26 00-0216 EA 54 Circuit, Ground Bar Kit With #1 To 4/0 Aluminum/Copper Lug <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	61.17 8.72	8.72
26 05 29 Hangers And Supports For Electrical Systems <small>(26 05)</small>		
26 05 29 00-0001 Metal Framing Channel And Fittings <small>(26 05 29)</small>		

26 Electrical**26 05 Common Work Results For Electrical****26 05 29 Hangers And Supports For Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0002			Metal Framing Channel (26 05 29 00-0001)		
26 05 29 00-0003			14 Gauge Metal Framing Channels (26 05 29 00-0002)		
26 05 29 00-0004			14 Gauge, Steel Unistrut Channel (26 05 29 00-0003)		
26 05 29 00-0005	EA		Up To 1' Length x 1-5/8" Wide x 1-5/8" High, 14 Gauge, Steel Unistrut Channel	17.35	5.69
26 05 29 00-0006	EA		>1' To 2' Length x 1-5/8" Wide x 1-5/8" High, 14 Gauge, Steel Unistrut Channel	18.56	5.69
26 05 29 00-0007	LF		>2' Length x 1-5/8" Wide x 1-5/8" High, 14 Gauge, Steel Unistrut Channel	8.35	2.14
26 05 29 00-0008			14 Gauge, 304 Stainless Steel Unistrut Channel (26 05 29 00-0003)		
26 05 29 00-0009	EA		Up To 1' Length x 1-5/8" Wide x 13/16" High, 14 Gauge, 304 Stainless Steel Unistrut Channel	25.87	5.69
26 05 29 00-0010	EA		Up To 1' Length x 1-5/8" Wide x 1-5/8" High, 14 Gauge, 304 Stainless Steel Unistrut Channel	28.18	5.69
26 05 29 00-0011	EA		>1' To 2' Length x 1-5/8" Wide x 13/16" High, 14 Gauge, 304 Stainless Steel Unistrut Channel	35.61	5.69
26 05 29 00-0012	EA		>1' To 2' Length x 1-5/8" Wide x 1-5/8" High, 14 Gauge, 304 Stainless Steel Unistrut Channel	40.23	5.69
26 05 29 00-0013	LF		>2' Length x 1-5/8" Wide x 13/16" High, 14 Gauge, 304 Stainless Steel Unistrut Channel	16.87	2.14
26 05 29 00-0014	LF		>2' Length x 1-5/8" Wide x 1-5/8" High, 14 Gauge, 304 Stainless Steel Unistrut Channel	19.18	2.14
26 05 29 00-0015			14 Gauge, 316 Stainless Steel Unistrut Channel (26 05 29 00-0003)		
26 05 29 00-0016	EA		Up To 1' Length x 1-5/8" Wide x 13/16" High, 14 Gauge, 304 Stainless Steel Unistrut Channel	35.85	5.69
26 05 29 00-0017	EA		>1' To 2' Length x 1-5/8" Wide x 13/16" High, 14 Gauge, 304 Stainless Steel Unistrut Channel	55.56	5.69
26 05 29 00-0018	LF		>2' Length x 1-5/8" Wide x 13/16" High, 14 Gauge, 304 Stainless Steel Unistrut Channel	26.85	2.14
26 05 29 00-0019			12 Gauge Metal Framing Channels (26 05 29 00-0002)		
26 05 29 00-0020			12 Gauge, Steel Unistrut Channel (26 05 29 00-0019)		
26 05 29 00-0021	EA		Up To 1' Length x 1-5/8" Wide x 13/16" High, 12 Gauge, Steel Unistrut Channel	18.34	5.69
26 05 29 00-0022	EA		Up To 1' Length x 1-5/8" Wide x 1-3/8" High, 12 Gauge, Steel Unistrut Channel	18.00	5.69
26 05 29 00-0023	EA		Up To 1' Length x 1-5/8" Wide x 1-5/8" High, 12 Gauge, Steel Unistrut Channel	17.78	5.69
26 05 29 00-0024	EA		>1' To 2' Length x 1-5/8" Wide x 13/16" High, 12 Gauge, Steel Unistrut Channel	20.54	5.69
26 05 29 00-0025	EA		>1' To 2' Length x 1-5/8" Wide x 1-3/8" High, 12 Gauge, Steel Unistrut Channel	19.87	5.69
26 05 29 00-0026	EA		>1' To 2' Length x 1-5/8" Wide x 1-5/8" High, 12 Gauge, Steel Unistrut Channel	19.44	5.69
26 05 29 00-0027	LF		>2' Length x 1-5/8" Wide x 13/16" High, 12 Gauge, Steel Unistrut Channel	9.34	2.14
26 05 29 00-0028	LF		>2' Length x 1-5/8" Wide x 1-3/8" High, 12 Gauge, Steel Unistrut Channel	9.00	2.14
26 05 29 00-0029	LF		>2' Length x 1-5/8" Wide x 1-5/8" High, 12 Gauge, Steel Unistrut Channel	8.78	2.14
26 05 29 00-0030			12 Gauge, 304 Stainless Steel Unistrut Channel (26 05 29 00-0019)		
26 05 29 00-0031	EA		Up To 1' Length x 1-5/8" Wide x 13/16" High, 12 Gauge, 304 Stainless Steel Unistrut Channel	28.94	5.69
26 05 29 00-0032	EA		Up To 1' Length x 1-5/8" Wide x 1-5/8" High, 12 Gauge, 304 Stainless Steel Unistrut Channel	32.93	5.69
26 05 29 00-0033	EA		>1' To 2' Length x 1-5/8" Wide x 13/16" High, 12 Gauge, 304 Stainless Steel Unistrut Channel	41.76	5.69
26 05 29 00-0034	EA		>1' To 2' Length x 1-5/8" Wide x 1-5/8" High, 12 Gauge, 304 Stainless Steel Unistrut Channel	49.73	5.69
26 05 29 00-0035	LF		>2' Length x 1-5/8" Wide x 13/16" High, 12 Gauge, 304 Stainless Steel Unistrut Channel	19.94	2.14
26 05 29 00-0036	LF		>2' Length x 1-5/8" Wide x 1-5/8" High, 12 Gauge, 304 Stainless Steel Unistrut Channel	23.93	2.14
26 05 29 00-0037			Metal Framing Channel Fittings (26 05 29 00-0001)		
26 05 29 00-0038			Unistrut Channel Closure Strips And Caps (26 05 29 00-0037)		
26 05 29 00-0039			Steel Unistrut Channel Closure Strips And Caps (26 05 29 00-0038)		
26 05 29 00-0040	LF		Steel Raceway Closure Strip, Unistrut Channel Fittings	4.43	0.52
26 05 29 00-0041	EA		Steel End Cap, Unistrut Channel Fittings	11.72	5.20
26 05 29 00-0042			Stainless Steel Unistrut Channel Closure Strips And Caps (26 05 29 00-0038)		
26 05 29 00-0043	EA		Stainless Steel End Cap For Unistrut Channel	16.36	5.20
26 05 29 00-0044			Flat Splice Plate, Unistrut Channel Fittings (26 05 29 00-0037)		
26 05 29 00-0045			Steel Flat Splice Plate, Unistrut Channel Fittings (26 05 29 00-0044)		
26 05 29 00-0046	EA		2-Hole, 3-1/4" Length, In-Line, Flat Splice Plate, Steel, Unistrut Channel Fitting	4.63	
26 05 29 00-0047	EA		3-Hole, 5-3/8" Length, In-Line, Flat Splice Plate, Steel, Unistrut Channel Fitting	4.60	
26 05 29 00-0048	EA		4-Hole, 7-1/4" Length, In-Line, Flat Splice Plate, Steel, Unistrut Channel Fitting	5.48	
26 05 29 00-0049			Stainless Steel Flat Splice Plate, Unistrut Channel Fittings (26 05 29 00-0044)		
26 05 29 00-0050	EA		2-Hole, 3-1/2" Length, In-Line, Flat Splice Plate, 304 Stainless Steel, Unistrut Channel Fitting	11.69	
26 05 29 00-0051	EA		3-Hole, 5-3/8" Length, In-Line, Flat Splice Plate, 304 Stainless Steel, Unistrut Channel Fitting	17.11	
26 05 29 00-0052	EA		4-Hole, 7-1/4" Length, In-Line, Flat Splice Plate, 304 Stainless Steel, Unistrut Channel Fitting	21.70	
26 05 29 00-0053			90 Degree Angle, Unistrut Channel Fittings (26 05 29 00-0037)		
26 05 29 00-0054			Steel 90 Degree Angle, Unistrut Channel Fittings (26 05 29 00-0053)		
26 05 29 00-0055	EA		2-Hole, 1-7/8" x 2", 90 Degree Angle, Steel, Unistrut Channel Fitting	4.50	
26 05 29 00-0056	EA		2-Hole, 1-5/8" x 2-1/4", 90 Degree Angle, Steel, Unistrut Channel Fitting	3.86	
26 05 29 00-0057	EA		3-Hole, 1-5/8" x 4-1/8", 90 Degree Angle, Steel, Unistrut Channel Fitting	6.25	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0058	EA			3-Hole, 1-7/8" x 3-7/8", 90 Degree Angle, Steel, Unistrut Channel Fitting	6.17	
26 05 29 00-0059				Stainless Steel 90 Degree Angle, Unistrut Channel Fittings <small>(26 05 29 00-0053)</small>		
26 05 29 00-0060	EA			2-Hole, 1-7/8" x 2", 90 Degree Angle, 304 Stainless Steel, Unistrut Channel Fitting	6.94	
26 05 29 00-0061	EA			2-Hole, 1-7/8" x 2", 90 Degree Angle, 316 Stainless Steel, Unistrut Channel Fitting	8.53	
26 05 29 00-0062	EA			2-Hole, 1-5/8" x 2-1/4", 90 Degree Angle, 304 Stainless Steel, Unistrut Channel Fitting	7.32	
26 05 29 00-0063	EA			2-Hole, 1-5/8" x 2-1/4", 90 Degree Angle, 316 Stainless Steel, Unistrut Channel Fitting	10.16	
26 05 29 00-0064	EA			3-Hole, 1-5/8" x 4-1/8", 90 Degree Angle, 304 Stainless Steel, Unistrut Channel Fitting	9.33	
26 05 29 00-0065	EA			3-Hole, 1-5/8" x 4-1/8", 90 Degree Angle, 316 Stainless Steel, Unistrut Channel Fitting	16.74	
26 05 29 00-0066	EA			3-Hole, 1-7/8" x 3-7/8", 90 Degree Angle, 304 Stainless Steel, Unistrut Channel Fitting	9.78	
26 05 29 00-0067	EA			3-Hole, 1-7/8" x 3-7/8", 90 Degree Angle, 316 Stainless Steel, Unistrut Channel Fitting	13.93	
26 05 29 00-0068				60 Degree Angle, Unistrut Channel Fittings <small>(26 05 29 00-0037)</small>		
26 05 29 00-0069				Steel 60 Degree Angle, Unistrut Channel Fittings <small>(26 05 29 00-0068)</small>		
26 05 29 00-0070	EA			2-Hole, 1-7/8" x 3-3/8", 60 Degree Angle, Steel, Unistrut Channel Fitting	8.69	
26 05 29 00-0071				U-Connector, Unistrut Channel Fittings <small>(26 05 29 00-0037)</small>		
26 05 29 00-0072				Steel, U-Connector, Unistrut Channel Fittings <small>(26 05 29 00-0071)</small>		
26 05 29 00-0073	EA			3-Hole, 1-5/8" x 13/16", U-Connector, Steel, Unistrut Channel Fitting	3.44	
26 05 29 00-0074	EA			5-Hole, 1-5/8" x 1-5/8", U-Connector, Steel, Unistrut Channel Fitting	3.77	
26 05 29 00-0075				Stainless Steel, U-Connector, Unistrut Channel Fittings <small>(26 05 29 00-0071)</small>		
26 05 29 00-0076	EA			5-Hole, 1-5/8" x 1-5/8", U-Connector, 304 Stainless Steel, Unistrut Channel Fitting	13.83	
26 05 29 00-0077				Z-Bracket, Unistrut Channel Fittings <small>(26 05 29 00-0037)</small>		
26 05 29 00-0078				Steel Z-Bracket, Unistrut Channel Fittings <small>(26 05 29 00-0077)</small>		
26 05 29 00-0079	EA			3-Hole, Z-Bracket, Steel, Unistrut Channel Fitting	8.91	
26 05 29 00-0080				Stainless Steel Z-Bracket, Unistrut Channel Fittings <small>(26 05 29 00-0077)</small>		
26 05 29 00-0081	EA			3-Hole, Z-Bracket, 304 Stainless Steel, Unistrut Channel Fitting	26.36	
26 05 29 00-0082				Standard Pipe And Rigid Conduit Clamps For Unistrut Channel <small>(26 05 29 00-0037)</small>		
				Note: Includes hex screw and nut.		
26 05 29 00-0083				Steel, Standard Pipe And Rigid Conduit Clamps For Unistrut Channel <small>(26 05 29 00-0082)</small>		
				Note: Includes hex screw and nut.		
26 05 29 00-0084	EA			1/2" Diameter, Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	4.06	1.55
26 05 29 00-0085	EA			3/4" Diameter, Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	4.08	1.55
26 05 29 00-0086	EA			1" Diameter, Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	4.15	1.55
26 05 29 00-0087	EA			1-1/4" Diameter, Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	5.28	2.08
26 05 29 00-0088	EA			1-1/2" Diameter, Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	5.67	2.08
26 05 29 00-0089	EA			2" Diameter, Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	5.71	2.08
26 05 29 00-0090	EA			2-1/2" Diameter, Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	7.03	2.60
26 05 29 00-0091	EA			3" Diameter, Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	7.37	2.60
26 05 29 00-0092	EA			3-1/2" Diameter, Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	7.70	2.60
26 05 29 00-0093	EA			4" Diameter, Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	7.81	2.60
26 05 29 00-0094				304 Stainless Steel, Standard Pipe And Rigid Conduit Clamps For Unistrut Channel <small>(26 05 29 00-0082)</small>		
				Note: Includes hex screw and nut.		
26 05 29 00-0095	EA			1/2" Diameter, 304 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	6.03	1.55
26 05 29 00-0096	EA			3/4" Diameter, 304 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	6.63	1.55
26 05 29 00-0097	EA			1" Diameter, 304 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	7.24	1.55
26 05 29 00-0098	EA			1-1/4" Diameter, 304 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	9.06	2.08
26 05 29 00-0099	EA			1-1/2" Diameter, 304 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	10.74	2.08
26 05 29 00-0100	EA			2" Diameter, 304 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	11.19	2.08
26 05 29 00-0101	EA			2-1/2" Diameter, 304 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	13.49	2.60
26 05 29 00-0102	EA			3" Diameter, 304 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	14.99	2.60
26 05 29 00-0103	EA			3-1/2" Diameter, 304 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	15.63	2.60
26 05 29 00-0104	EA			4" Diameter, 304 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	18.00	2.60
26 05 29 00-0105				316 Stainless Steel, Standard Pipe And Rigid Conduit Clamps For Unistrut Channel <small>(26 05 29 00-0082)</small>		
				Note: Includes hex screw and nut.		
26 05 29 00-0106	EA			1/2" Diameter, 316 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	6.40	1.55
26 05 29 00-0107	EA			3/4" Diameter, 316 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	7.25	1.55
26 05 29 00-0108	EA			1" Diameter, 316 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	7.50	1.55
26 05 29 00-0109	EA			1-1/4" Diameter, 316 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	9.18	2.08

26 Electrical**26 05 Common Work Results For Electrical****26 05 29 Hangers And Supports For Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0110	EA		1-1/2" Diameter, 316 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel.....	12.12	2.08
26 05 29 00-0111	EA		2" Diameter, 316 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel.....	12.27	2.08
26 05 29 00-0112	EA		2-1/2" Diameter, 316 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel.....	14.63	2.60
26 05 29 00-0113	EA		3" Diameter, 316 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel.....	15.39	2.60
26 05 29 00-0114	EA		3-1/2" Diameter, 316 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel.....	20.80	2.60
26 05 29 00-0115	EA		4" Diameter, 316 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel.....	24.11	2.60
26 05 29 00-0116			Beam Clamps, Unistrut Channel Fittings (26 05 29 00-0037)		
26 05 29 00-0117			Steel Beam Clamps, Unistrut Channel Fittings (26 05 29 00-0116)		
26 05 29 00-0118	EA		Set Screw Beam Clamp, Steel Unistrut Channel Fitting	28.87	9.49
26 05 29 00-0119	EA		"C" Beam Clamp Use With 1/2" Rod, Steel Unistrut Channel Fittings	21.26	9.49
26 05 29 00-0120	EA		"U" Bolt Beam Clamp, Steel Unistrut Channel Fitting	28.10	9.49
26 05 29 00-0121			304 Stainless Steel Beam Clamps, Unistrut Channel Fittings (26 05 29 00-0116)		
26 05 29 00-0122	EA		"U" Bolt Beam Clamp, 304 Stainless Steel Unistrut Channel Fitting	36.89	9.49
26 05 29 00-0123			Square Washers For Unistrut Channel (26 05 29 00-0037)		
26 05 29 00-0124			Steel Square Washers For Unistrut Channel (26 05 29 00-0123)		
26 05 29 00-0125	EA		1/2" Bolt Size, Steel, Square Washer For Unistrut Channel.....	3.33	
26 05 29 00-0126			Stainless Steel Square Washers For Unistrut Channel (26 05 29 00-0123)		
26 05 29 00-0127	EA		1/2" Bolt Size, 304 Stainless Steel, Square Washer For Unistrut Channel	3.63	
26 05 29 00-0128	EA		1/2" Bolt Size, 316 Stainless Steel, Square Washer For Unistrut Channel	4.45	
26 05 29 00-0129			Strut Braces, Unistrut Channel Fittings (26 05 29 00-0037)		
26 05 29 00-0130	EA		16" Diagonal Steel Bar Brace For Unistrut Channel	23.48	
26 05 29 00-0131			Trolley Hangers, Unistrut Channel Fittings (26 05 29 00-0037)		
26 05 29 00-0132	EA		Steel Trolley Track Hanger For Unistrut Channel	29.41	
26 05 29 00-0133			Lock Nuts With Spring For Unistrut Channel (26 05 29 00-0037) Note: Includes hex bolt.		
26 05 29 00-0134			Steel Lock Nuts With Spring For Unistrut Channel (26 05 29 00-0133) Note: Includes hex bolt.		
26 05 29 00-0135	EA		1/4-20, Steel Lock Nut With Spring For Unistrut Channel.....	6.51	
26 05 29 00-0136	EA		3/8-16, Steel Lock Nut With Spring For Unistrut Channel	6.97	
26 05 29 00-0137	EA		1/2-13, Steel Lock Nut With Spring For Unistrut Channel	7.32	
26 05 29 00-0138	EA		5/8-11, Steel Lock Nut With Spring For Unistrut Channel	9.20	
26 05 29 00-0139			Stainless Steel Lock Nuts With Spring For Unistrut Channel (26 05 29 00-0133) Note: Includes hex bolt.		
26 05 29 00-0140	EA		1/4-20, 316 Stainless Steel Lock Nut With Spring For Unistrut Channel.....	10.26	
26 05 29 00-0141	EA		3/8-16, 316 Stainless Steel Lock Nut With Spring For Unistrut Channel.....	10.82	
26 05 29 00-0142	EA		1/2-13, 316 Stainless Steel Lock Nut With Spring For Unistrut Channel.....	14.69	
26 05 29 00-0143	EA		5/8-11, 316 Stainless Steel Lock Nut With Spring For Unistrut Channel.....	24.06	
26 05 29 00-0144			Lock Nuts Without Spring For Unistrut Channel (26 05 29 00-0037) Note: Includes hex bolt.		
26 05 29 00-0145			Steel Lock Nuts Without Spring For Unistrut Channel (26 05 29 00-0144) Note: Includes hex bolt.		
26 05 29 00-0146	EA		1/4-20, Steel Lock Nut Without Spring For Unistrut Channel	6.52	
26 05 29 00-0147	EA		3/8-16, Steel Lock Nut Without Spring For Unistrut Channel	7.04	
26 05 29 00-0148	EA		1/2-13, Steel Lock Nut Without Spring For Unistrut Channel	7.35	
26 05 29 00-0149	EA		5/8-11, Steel Lock Nut Without Spring For Unistrut Channel	9.75	
26 05 29 00-0150			Stainless Steel Lock Nuts Without Spring For Unistrut Channel (26 05 29 00-0144) Note: Includes hex bolt.		
26 05 29 00-0151	EA		1/4-20, 316 Stainless Steel Lock Nut Without Spring For Unistrut Channel.....	7.78	
26 05 29 00-0152	EA		3/8-16, 316 Stainless Steel Lock Nut Without Spring For Unistrut Channel.....	9.07	
26 05 29 00-0153	EA		1/2-13, 316 Stainless Steel Lock Nut Without Spring For Unistrut Channel.....	9.75	
26 05 29 00-0154	EA		5/8-11, 316 Stainless Steel Lock Nut Without Spring For Unistrut Channel.....	23.48	
26 05 29 00-0155			Mounting Assemblies (26 05 29)		
26 05 29 00-0156			Galvanized Steel Mounting Assemblies (26 05 29 00-0155)		
26 05 29 00-0157			Galvanized Steel Back Plate (26 05 29 00-0156)		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0158 EA 1/4" x 4' x 4', Galvanized Steel Back Plate, Painted	340.68	62.25
26 05 29 00-0159 EA 3/8" x 14" x 16", Galvanized Steel Back Plate, Painted	87.07	20.75
26 05 29 00-0160 EA 3/16" x 30" x 48", Galvanized Steel Back Plate, Painted	220.05	51.88
26 05 29 00-0161 Aluminum Mounting Assemblies <small>(26 05 29 00-0155)</small>		
26 05 29 00-0162 Aluminum Back Plate <small>(26 05 29 00-0161)</small>		
26 05 29 00-0163 EA 3/16" x 2' x 2' Aluminum Back Plate	207.64	77.82
26 05 29 00-0164 EA 3/16" x 4' x 4' Aluminum Back Plate	457.33	77.82
26 05 29 00-0165 Supports <small>(26 05 29)</small>		
26 05 29 00-0166 One Hole Steel Conduit Straps <small>(26 05 29 00-0165)</small>		
26 05 29 00-0167 EA 1/2", One Hole Steel Conduit Strap	3.62	
<i>For Work In Restricted Working Space, Add</i>	1.00	
<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	0.93	
<i>For >50 To 100, Deduct</i>	-0.17	
<i>For >100 To 250, Deduct</i>	-0.35	
<i>For >250 To 500, Deduct</i>	-0.69	
<i>For >500, Deduct</i>	-1.03	
26 05 29 00-0168 EA 3/4", One Hole Steel Conduit Strap	3.66	
<i>For Work In Restricted Working Space, Add</i>	1.00	
<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	0.93	
<i>For >50 To 100, Deduct</i>	-0.17	
<i>For >100 To 250, Deduct</i>	-0.35	
<i>For >250 To 500, Deduct</i>	-0.69	
<i>For >500, Deduct</i>	-1.03	
26 05 29 00-0169 EA 1", One Hole Steel Conduit Strap	3.83	
<i>For Work In Restricted Working Space, Add</i>	1.00	
<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	0.93	
<i>For >50 To 100, Deduct</i>	-0.18	
<i>For >100 To 250, Deduct</i>	-0.36	
<i>For >250 To 500, Deduct</i>	-0.70	
<i>For >500, Deduct</i>	-1.05	
26 05 29 00-0170 EA 1-1/4", One Hole Steel Conduit Strap	3.96	
<i>For Work In Restricted Working Space, Add</i>	1.00	
<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	0.93	
<i>For >50 To 100, Deduct</i>	-0.18	
<i>For >100 To 250, Deduct</i>	-0.36	
<i>For >250 To 500, Deduct</i>	-0.71	
<i>For >500, Deduct</i>	-1.06	
26 05 29 00-0171 EA 1-1/2", One Hole Steel Conduit Strap	4.04	
<i>For Work In Restricted Working Space, Add</i>	1.00	
<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	0.93	
<i>For >50 To 100, Deduct</i>	-0.18	
<i>For >100 To 250, Deduct</i>	-0.37	
<i>For >250 To 500, Deduct</i>	-0.72	
<i>For >500, Deduct</i>	-1.07	
26 05 29 00-0172 EA 2", One Hole Steel Conduit Strap	4.56	
<i>For Work In Restricted Working Space, Add</i>	1.00	
<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	0.93	
<i>For >50 To 100, Deduct</i>	-0.20	
<i>For >100 To 250, Deduct</i>	-0.39	
<i>For >250 To 500, Deduct</i>	-0.76	
<i>For >500, Deduct</i>	-1.12	
26 05 29 00-0173 EA 2-1/2", One Hole Steel Conduit Strap	5.09	
<i>For Work In Restricted Working Space, Add</i>	1.00	
<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	0.93	
<i>For >50 To 100, Deduct</i>	-0.21	
<i>For >100 To 250, Deduct</i>	-0.42	
<i>For >250 To 500, Deduct</i>	-0.80	
<i>For >500, Deduct</i>	-1.17	
26 05 29 00-0174 EA 3", One Hole Steel Conduit Strap	5.27	
<i>For Work In Restricted Working Space, Add</i>	1.00	
<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	0.93	
<i>For >50 To 100, Deduct</i>	-0.21	
<i>For >100 To 250, Deduct</i>	-0.43	
<i>For >250 To 500, Deduct</i>	-0.81	
<i>For >500, Deduct</i>	-1.19	
26 05 29 00-0175 EA 3-1/2", One Hole Steel Conduit Strap	6.14	
<i>For Work In Restricted Working Space, Add</i>	1.00	
<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	0.93	
<i>For >50 To 100, Deduct</i>	-0.24	
<i>For >100 To 250, Deduct</i>	-0.47	
<i>For >250 To 500, Deduct</i>	-0.88	
<i>For >500, Deduct</i>	-1.28	
26 05 29 00-0176 EA 4", One Hole Steel Conduit Strap	6.83	
<i>For Work In Restricted Working Space, Add</i>	1.00	
<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	0.93	
<i>For >50 To 100, Deduct</i>	-0.25	
<i>For >100 To 250, Deduct</i>	-0.51	
<i>For >250 To 500, Deduct</i>	-0.93	
<i>For >500, Deduct</i>	-1.35	

26 Electrical**26 05 Common Work Results For Electrical****26 05 29 Hangers And Supports For Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0177			One Hole Iron Conduit Straps (26 05 29 00-0165)		
26 05 29 00-0178	EA		1/2", One Hole Iron Conduit Strap .....3.71		
			<i>For Work In Restricted Working Space, Add</i>	1.00	
			<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	0.93	
			<i>For >50 To 100, Deduct</i>	-0.18	
			<i>For >100 To 250, Deduct</i>	-0.35	
			<i>For >250 To 500, Deduct</i>	-0.69	
			<i>For >500, Deduct</i>	-1.04	
26 05 29 00-0179	EA		3/4", One Hole Iron Conduit Strap .....3.79		
			<i>For Work In Restricted Working Space, Add</i>	1.00	
			<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	0.93	
			<i>For >50 To 100, Deduct</i>	-0.18	
			<i>For >100 To 250, Deduct</i>	-0.36	
			<i>For >250 To 500, Deduct</i>	-0.70	
			<i>For >500, Deduct</i>	-1.04	
26 05 29 00-0180	EA		1", One Hole Iron Conduit Strap .....3.94		
			<i>For Work In Restricted Working Space, Add</i>	1.00	
			<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	0.93	
			<i>For >50 To 100, Deduct</i>	-0.18	
			<i>For >100 To 250, Deduct</i>	-0.36	
			<i>For >250 To 500, Deduct</i>	-0.71	
			<i>For >500, Deduct</i>	-1.06	
26 05 29 00-0181	EA		1-1/4", One Hole Iron Conduit Strap .....4.30		
			<i>For Work In Restricted Working Space, Add</i>	1.00	
			<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	0.93	
			<i>For >50 To 100, Deduct</i>	-0.19	
			<i>For >100 To 250, Deduct</i>	-0.38	
			<i>For >250 To 500, Deduct</i>	-0.74	
			<i>For >500, Deduct</i>	-1.09	
26 05 29 00-0182	EA		1-1/2", One Hole Iron Conduit Strap .....4.45		
			<i>For Work In Restricted Working Space, Add</i>	1.00	
			<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	0.93	
			<i>For >50 To 100, Deduct</i>	-0.19	
			<i>For >100 To 250, Deduct</i>	-0.39	
			<i>For >250 To 500, Deduct</i>	-0.75	
			<i>For >500, Deduct</i>	-1.11	
26 05 29 00-0183	EA		2", One Hole Iron Conduit Strap .....5.37		
			<i>For Work In Restricted Working Space, Add</i>	1.00	
			<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	0.93	
			<i>For >50 To 100, Deduct</i>	-0.22	
			<i>For >100 To 250, Deduct</i>	-0.43	
			<i>For >250 To 500, Deduct</i>	-0.82	
			<i>For >500, Deduct</i>	-1.20	
26 05 29 00-0184	EA		2-1/2", One Hole Iron Conduit Strap .....7.34		
			<i>For Work In Restricted Working Space, Add</i>	1.00	
			<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	0.93	
			<i>For >50 To 100, Deduct</i>	-0.27	
			<i>For >100 To 250, Deduct</i>	-0.53	
			<i>For >250 To 500, Deduct</i>	-0.97	
			<i>For >500, Deduct</i>	-1.40	
26 05 29 00-0185	EA		3", One Hole Iron Conduit Strap .....8.98		
			<i>For Work In Restricted Working Space, Add</i>	1.00	
			<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	0.93	
			<i>For >50 To 100, Deduct</i>	-0.31	
			<i>For >100 To 250, Deduct</i>	-0.62	
			<i>For >250 To 500, Deduct</i>	-1.09	
			<i>For >500, Deduct</i>	-1.56	
26 05 29 00-0186	EA		3-1/2", One Hole Iron Conduit Strap .....11.38		
			<i>For Work In Restricted Working Space, Add</i>	1.00	
			<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	0.93	
			<i>For >50 To 100, Deduct</i>	-0.37	
			<i>For >100 To 250, Deduct</i>	-0.74	
			<i>For >250 To 500, Deduct</i>	-1.27	
			<i>For >500, Deduct</i>	-1.80	
26 05 29 00-0187	EA		4", One Hole Iron Conduit Strap .....21.00		
			<i>For Work In Restricted Working Space, Add</i>	1.00	
			<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	0.93	
			<i>For >50 To 100, Deduct</i>	-0.61	
			<i>For >100 To 250, Deduct</i>	-1.22	
			<i>For >250 To 500, Deduct</i>	-1.99	
			<i>For >500, Deduct</i>	-2.76	
26 05 29 00-0188	EA		5", One Hole Iron Conduit Strap .....26.18		
			<i>For Work In Restricted Working Space, Add</i>	1.00	
			<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	0.93	
			<i>For >50 To 100, Deduct</i>	-0.74	
			<i>For >100 To 250, Deduct</i>	-1.48	
			<i>For >250 To 500, Deduct</i>	-2.38	
			<i>For >500, Deduct</i>	-3.28	
26 05 29 00-0189			Two Hole Steel Conduit Straps (26 05 29 00-0165)		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0190 EA 1/2", Two Hole Steel Conduit Strap 4.15 For Work In Restricted Working Space, Add 1.12 For Installation On Concrete (Includes Drilling And Fastener), Add 1.14 For >50 To 100, Deduct -0.20 For >100 To 250, Deduct -0.39 For >250 To 500, Deduct -0.78 For >500, Deduct -1.16		
26 05 29 00-0191 EA 3/4", Two Hole Steel Conduit Strap 4.20 For Work In Restricted Working Space, Add 1.12 For Installation On Concrete (Includes Drilling And Fastener), Add 1.14 For >50 To 100, Deduct -0.20 For >100 To 250, Deduct -0.40 For >250 To 500, Deduct -0.78 For >500, Deduct -1.17		
26 05 29 00-0192 EA 1", Two Hole Steel Conduit Strap 4.23 For Work In Restricted Working Space, Add 1.12 For Installation On Concrete (Includes Drilling And Fastener), Add 1.14 For >50 To 100, Deduct -0.20 For >100 To 250, Deduct -0.40 For >250 To 500, Deduct -0.78 For >500, Deduct -1.17		
26 05 29 00-0193 EA 1-1/4", Two Hole Steel Conduit Strap 4.27 For Work In Restricted Working Space, Add 1.12 For Installation On Concrete (Includes Drilling And Fastener), Add 1.14 For >50 To 100, Deduct -0.20 For >100 To 250, Deduct -0.40 For >250 To 500, Deduct -0.79 For >500, Deduct -1.18		
26 05 29 00-0194 EA 1-1/2", Two Hole Steel Conduit Strap 4.30 For Work In Restricted Working Space, Add 1.12 For Installation On Concrete (Includes Drilling And Fastener), Add 1.14 For >50 To 100, Deduct -0.20 For >100 To 250, Deduct -0.40 For >250 To 500, Deduct -0.79 For >500, Deduct -1.18		
26 05 29 00-0195 EA 2", Two Hole Steel Conduit Strap 4.37 For Work In Restricted Working Space, Add 1.12 For Installation On Concrete (Includes Drilling And Fastener), Add 1.14 For >50 To 100, Deduct -0.20 For >100 To 250, Deduct -0.41 For >250 To 500, Deduct -0.80 For >500, Deduct -1.19		
26 05 29 00-0196 EA 2-1/2", Two Hole Steel Conduit Strap 4.77 For Work In Restricted Working Space, Add 1.12 For Installation On Concrete (Includes Drilling And Fastener), Add 1.14 For >50 To 100, Deduct -0.21 For >100 To 250, Deduct -0.43 For >250 To 500, Deduct -0.83 For >500, Deduct -1.23		
26 05 29 00-0197 EA 3", Two Hole Steel Conduit Strap 4.85 For Work In Restricted Working Space, Add 1.12 For Installation On Concrete (Includes Drilling And Fastener), Add 1.14 For >50 To 100, Deduct -0.21 For >100 To 250, Deduct -0.43 For >250 To 500, Deduct -0.83 For >500, Deduct -1.23		
26 05 29 00-0198 EA 3-1/2", Two Hole Steel Conduit Strap 5.16 For Work In Restricted Working Space, Add 1.12 For Installation On Concrete (Includes Drilling And Fastener), Add 1.14 For >50 To 100, Deduct -0.22 For >100 To 250, Deduct -0.45 For >250 To 500, Deduct -0.85 For >500, Deduct -1.26		
26 05 29 00-0199 EA 4", Two Hole Steel Conduit Strap 5.38 For Work In Restricted Working Space, Add 1.12 For Installation On Concrete (Includes Drilling And Fastener), Add 1.14 For >50 To 100, Deduct -0.23 For >100 To 250, Deduct -0.46 For >250 To 500, Deduct -0.87 For >500, Deduct -1.29		
26 05 29 00-0200 EA 5", Two Hole Steel Conduit Strap 5.66 For Work In Restricted Working Space, Add 1.12 For Installation On Concrete (Includes Drilling And Fastener), Add 1.14 For >50 To 100, Deduct -0.24 For >100 To 250, Deduct -0.47 For >250 To 500, Deduct -0.89 For >500, Deduct -1.31		

26 05 29 00-0201 Clamp Back Spacers (26 05 29 00-0165)

26 Electrical**26 05 Common Work Results For Electrical****26 05 29 Hangers And Supports For Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0202	EA		1/2" Conduit, Clamp Back Spacer.....	3.19	
			<i>For Work In Restricted Working Space, Add</i>	0.78	
			<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	0.75	
			<i>For >50 To 100, Deduct</i>	-0.14	
			<i>For >100 To 250, Deduct</i>	-0.29	
			<i>For >250 To 500, Deduct</i>	-0.56	
			<i>For >500, Deduct</i>	-0.84	
26 05 29 00-0203	EA		3/4" Conduit, Clamp Back Spacer.....	3.39	
			<i>For Work In Restricted Working Space, Add</i>	0.78	
			<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	0.75	
			<i>For >50 To 100, Deduct</i>	-0.15	
			<i>For >100 To 250, Deduct</i>	-0.30	
			<i>For >250 To 500, Deduct</i>	-0.58	
			<i>For >500, Deduct</i>	-0.86	
26 05 29 00-0204	EA		1" Conduit, Clamp Back Spacer.....	3.58	
			<i>For Work In Restricted Working Space, Add</i>	0.78	
			<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	0.75	
			<i>For >50 To 100, Deduct</i>	-0.15	
			<i>For >100 To 250, Deduct</i>	-0.31	
			<i>For >250 To 500, Deduct</i>	-0.59	
			<i>For >500, Deduct</i>	-0.88	
26 05 29 00-0205	EA		1-1/4" Conduit, Clamp Back Spacer.....	4.32	
			<i>For Work In Restricted Working Space, Add</i>	0.78	
			<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	0.75	
			<i>For >50 To 100, Deduct</i>	-0.17	
			<i>For >100 To 250, Deduct</i>	-0.35	
			<i>For >250 To 500, Deduct</i>	-0.65	
			<i>For >500, Deduct</i>	-0.95	
26 05 29 00-0206	EA		1-1/2" Conduit, Clamp Back Spacer.....	4.91	
			<i>For Work In Restricted Working Space, Add</i>	0.78	
			<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	0.75	
			<i>For >50 To 100, Deduct</i>	-0.19	
			<i>For >100 To 250, Deduct</i>	-0.38	
			<i>For >250 To 500, Deduct</i>	-0.69	
			<i>For >500, Deduct</i>	-1.01	
26 05 29 00-0207	EA		2" Conduit, Clamp Back Spacer.....	5.54	
			<i>For Work In Restricted Working Space, Add</i>	0.78	
			<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	0.75	
			<i>For >50 To 100, Deduct</i>	-0.20	
			<i>For >100 To 250, Deduct</i>	-0.41	
			<i>For >250 To 500, Deduct</i>	-0.74	
			<i>For >500, Deduct</i>	-1.07	
26 05 29 00-0208	EA		2-1/2" Conduit, Clamp Back Spacer.....	8.08	
			<i>For Work In Restricted Working Space, Add</i>	0.78	
			<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	0.75	
			<i>For >50 To 100, Deduct</i>	-0.27	
			<i>For >100 To 250, Deduct</i>	-0.53	
			<i>For >250 To 500, Deduct</i>	-0.93	
			<i>For >500, Deduct</i>	-1.33	
26 05 29 00-0209	EA		3" Conduit, Clamp Back Spacer.....	11.12	
			<i>For Work In Restricted Working Space, Add</i>	0.78	
			<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	0.75	
			<i>For >50 To 100, Deduct</i>	-0.34	
			<i>For >100 To 250, Deduct</i>	-0.69	
			<i>For >250 To 500, Deduct</i>	-1.16	
			<i>For >500, Deduct</i>	-1.63	
26 05 29 00-0210	EA		3-1/2" Conduit, Clamp Back Spacer.....	14.07	
			<i>For Work In Restricted Working Space, Add</i>	0.78	
			<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	0.75	
			<i>For >50 To 100, Deduct</i>	-0.42	
			<i>For >100 To 250, Deduct</i>	-0.83	
			<i>For >250 To 500, Deduct</i>	-1.38	
			<i>For >500, Deduct</i>	-1.93	
26 05 29 00-0211	EA		4" Conduit, Clamp Back Spacer.....	27.91	
			<i>For Work In Restricted Working Space, Add</i>	0.78	
			<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	0.75	
			<i>For >50 To 100, Deduct</i>	-0.76	
			<i>For >100 To 250, Deduct</i>	-1.53	
			<i>For >250 To 500, Deduct</i>	-2.42	
			<i>For >500, Deduct</i>	-3.31	
26 05 29 00-0212	EA		5" Conduit, Clamp Back Spacer.....	51.28	
			<i>For Work In Restricted Working Space, Add</i>	0.78	
			<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	0.75	
			<i>For >50 To 100, Deduct</i>	-1.35	
			<i>For >100 To 250, Deduct</i>	-2.69	
			<i>For >250 To 500, Deduct</i>	-4.17	
			<i>For >500, Deduct</i>	-5.65	
26 05 29 00-0213			Conduit Clips <small>(26 05 29 00-0165)</small>		
			Note: Push in or clip.		
26 05 29 00-0214	EA		1/2" Conduit Clip.....	3.90	
			<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	0.93	
			<i>For >50 To 100, Deduct</i>	-0.18	
			<i>For >100 To 250, Deduct</i>	-0.36	
			<i>For >250 To 500, Deduct</i>	-0.71	
			<i>For >500, Deduct</i>	-1.05	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0215 EA 3/4" Conduit Clip.....	3.90	
<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	0.93	
<i>For >50 To 100, Deduct</i>	-0.18	
<i>For >100 To 250, Deduct</i>	-0.36	
<i>For >250 To 500, Deduct</i>	-0.71	
<i>For >500, Deduct</i>	-1.05	
26 05 29 00-0216 EA 1" Conduit Clip.....	3.86	
<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	0.93	
<i>For >50 To 100, Deduct</i>	-0.18	
<i>For >100 To 250, Deduct</i>	-0.36	
<i>For >250 To 500, Deduct</i>	-0.70	
<i>For >500, Deduct</i>	-1.05	
26 05 29 00-0217 EA 1-1/4" Conduit Clip.....	3.97	
<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	0.93	
<i>For >50 To 100, Deduct</i>	-0.18	
<i>For >100 To 250, Deduct</i>	-0.36	
<i>For >250 To 500, Deduct</i>	-0.71	
<i>For >500, Deduct</i>	-1.06	
26 05 29 00-0218 Bolt And Nut Conduit Clips <small>(26 05 29 00-0165)</small>		
26 05 29 00-0219 EA 3/4" Bolt And Nut Conduit Clip (Minerallac 1B).....	4.86	
<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	1.14	
<i>For >50 To 100, Deduct</i>	-0.23	
<i>For >100 To 250, Deduct</i>	-0.45	
<i>For >250 To 500, Deduct</i>	-0.88	
<i>For >500, Deduct</i>	-1.32	
26 05 29 00-0220 EA 1" Bolt And Nut Conduit Clip (Minerallac 2B).....	4.97	
<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	1.14	
<i>For >50 To 100, Deduct</i>	-0.23	
<i>For >100 To 250, Deduct</i>	-0.46	
<i>For >250 To 500, Deduct</i>	-0.89	
<i>For >500, Deduct</i>	-1.33	
26 05 29 00-0221 EA 1-1/4" Bolt And Nut Conduit Clip (Minerallac 2-1/2B).....	5.29	
<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	1.20	
<i>For >50 To 100, Deduct</i>	-0.24	
<i>For >100 To 250, Deduct</i>	-0.49	
<i>For >250 To 500, Deduct</i>	-0.95	
<i>For >500, Deduct</i>	-1.41	
26 05 29 00-0222 EA 1-1/2" Bolt And Nut Conduit Clip (Minerallac 3B).....	5.36	
<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	1.20	
<i>For >50 To 100, Deduct</i>	-0.24	
<i>For >100 To 250, Deduct</i>	-0.49	
<i>For >250 To 500, Deduct</i>	-0.95	
<i>For >500, Deduct</i>	-1.42	
26 05 29 00-0223 EA 2" Bolt And Nut Conduit Clip (Minerallac 5B).....	5.79	
<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	1.20	
<i>For >50 To 100, Deduct</i>	-0.26	
<i>For >100 To 250, Deduct</i>	-0.51	
<i>For >250 To 500, Deduct</i>	-0.99	
<i>For >500, Deduct</i>	-1.46	
26 05 29 00-0224 EA 2-1/2" Bolt And Nut Conduit Clip (Minerallac 6B).....	6.23	
<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	1.27	
<i>For >50 To 100, Deduct</i>	-0.27	
<i>For >100 To 250, Deduct</i>	-0.55	
<i>For >250 To 500, Deduct</i>	-1.05	
<i>For >500, Deduct</i>	-1.56	
26 05 29 00-0225 EA 3" Bolt And Nut Conduit Clip (Minerallac 7B).....	6.61	
<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	1.27	
<i>For >50 To 100, Deduct</i>	-0.28	
<i>For >100 To 250, Deduct</i>	-0.56	
<i>For >250 To 500, Deduct</i>	-1.08	
<i>For >500, Deduct</i>	-1.60	
26 05 29 00-0226 EA 4" Bolt And Nut Conduit Clip (Minerallac 9B).....	10.73	
<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	1.40	
<i>For >50 To 100, Deduct</i>	-0.40	
<i>For >100 To 250, Deduct</i>	-0.80	
<i>For >250 To 500, Deduct</i>	-1.45	
<i>For >500, Deduct</i>	-2.11	
26 05 29 00-0227 Conduit Hanger From Flange, Wire Or Rod <small>(26 05 29 00-0165)</small>		
Note: Bat wing.		
26 05 29 00-0228 EA 1/2", Conduit Hanger From Flange, Wire Or Rod.....	2.85	
<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	0.72	
<i>For >50 To 100, Deduct</i>	-0.13	
<i>For >100 To 250, Deduct</i>	-0.27	
<i>For >250 To 500, Deduct</i>	-0.53	
<i>For >500, Deduct</i>	-0.78	
26 05 29 00-0229 EA 3/4", Conduit Hanger From Flange, Wire Or Rod.....	2.89	
<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	0.72	
<i>For >50 To 100, Deduct</i>	-0.13	
<i>For >100 To 250, Deduct</i>	-0.27	
<i>For >250 To 500, Deduct</i>	-0.53	
<i>For >500, Deduct</i>	-0.79	

26 Electrical**26 05 Common Work Results For Electrical****26 05 29 Hangers And Supports For Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0230	EA		1", Conduit Hanger From Flange, Wire Or Rod .....2.97 <i>For Installation On Concrete (Includes Drilling And Fastener), Add</i> <i>For >50 To 100, Deduct</i> 0.72 <i>For >100 To 250, Deduct</i> -0.14 <i>For >250 To 500, Deduct</i> -0.27 <i>For >500, Deduct</i> -0.53 <i>For >500, Deduct</i> -0.80		
26 05 29 00-0231	EA		1-1/4", Conduit Hanger From Flange, Wire Or Rod .....3.18 <i>For Installation On Concrete (Includes Drilling And Fastener), Add</i> <i>For >50 To 100, Deduct</i> 0.72 <i>For >100 To 250, Deduct</i> -0.14 <i>For >250 To 500, Deduct</i> -0.28 <i>For >500, Deduct</i> -0.55 <i>For >500, Deduct</i> -0.82		
26 05 29 00-0232			Beam Flange Clamps (26 05 29 00-0165) Note: For threaded rod, nut not required.		
26 05 29 00-0233	EA		1/8" To 1/4" Flange Thickness, Beam Clamp (Caddy 6TA24) .....3.80 <i>For >50 To 100, Deduct</i> -0.16 <i>For >100 To 250, Deduct</i> -0.32 <i>For >250 To 500, Deduct</i> -0.61 <i>For >500, Deduct</i> -0.90		
26 05 29 00-0234	EA		5/16" To 1/2" Flange Thickness, Beam Clamp (Caddy 6TA58) .....3.74 <i>For >50 To 100, Deduct</i> -0.16 <i>For >100 To 250, Deduct</i> -0.32 <i>For >250 To 500, Deduct</i> -0.60 <i>For >500, Deduct</i> -0.89		
26 05 29 00-0235	EA		9/16" To 3/4" Flange Thickness, Beam Clamp (Caddy 6TA912) .....4.07 <i>For >50 To 100, Deduct</i> -0.17 <i>For >100 To 250, Deduct</i> -0.33 <i>For >250 To 500, Deduct</i> -0.63 <i>For >500, Deduct</i> -0.93		
26 05 29 00-0236			T-Bar Support Clips (26 05 29 00-0165)		
26 05 29 00-0237	EA		9/16" Grid Size, Independent T-Bar Support Clip (Caddy IDS95) .....6.65 <i>For >50 To 100, Deduct</i> -0.30 <i>For >100 To 250, Deduct</i> -0.59 <i>For >250 To 500, Deduct</i> -1.15 <i>For >500, Deduct</i> -1.70		
26 05 29 00-0238	EA		15/16" Grid Size, Independent T-Bar Support Clip (Caddy IDS) .....6.40 <i>For >50 To 100, Deduct</i> -0.29 <i>For >100 To 250, Deduct</i> -0.58 <i>For >250 To 500, Deduct</i> -1.13 <i>For >500, Deduct</i> -1.68		
26 05 29 00-0239	EA		15/16" Grid Size, Twist On T-Bar Support Clip (Caddy 4G16) .....2.19 <i>For >50 To 100, Deduct</i> -0.09 <i>For >100 To 250, Deduct</i> -0.17 <i>For >250 To 500, Deduct</i> -0.33 <i>For >500, Deduct</i> -0.48		
26 05 29 00-0240	EA		24" Long Snap On T-Bar Electrical Box Hanger (Caddy 512) .....14.98 <i>For >50 To 100, Deduct</i> -0.43 <i>For >100 To 250, Deduct</i> -0.85 <i>For >250 To 500, Deduct</i> -1.38 <i>For >500, Deduct</i> -1.91		
26 05 29 00-0241			Switch And Outlet Box Type Supports (26 05 29 00-0165)		
26 05 29 00-0242	EA		1/4" To 3/4" Drywall Thickness, Adjustable Switch And Outlet Box Support (Caddy MFS) .....4.28 <i>For >50 To 100, Deduct</i> -0.16 <i>For >100 To 250, Deduct</i> -0.32 <i>For >250 To 500, Deduct</i> -0.58 <i>For >500, Deduct</i> -0.84		
26 05 29 00-0243	EA		1/2" Drywall Thickness, Riveted Switch And Outlet Box Support (Caddy MF500) .....3.73 <i>For >50 To 100, Deduct</i> -0.15 <i>For >100 To 250, Deduct</i> -0.29 <i>For >250 To 500, Deduct</i> -0.54 <i>For >500, Deduct</i> -0.79		
26 05 29 00-0244	EA		Flush, Riveted Switch And Outlet Box Support (Caddy MFO) .....4.20 <i>For >50 To 100, Deduct</i> -0.16 <i>For >100 To 250, Deduct</i> -0.31 <i>For >250 To 500, Deduct</i> -0.57 <i>For >500, Deduct</i> -0.83		
26 05 29 00-0245	EA		Snap On, Switch And Outlet Box Support (Caddy MSF) .....2.96 <i>For >50 To 100, Deduct</i> -0.13 <i>For >100 To 250, Deduct</i> -0.25 <i>For >250 To 500, Deduct</i> -0.48 <i>For >500, Deduct</i> -0.71		
26 05 29 00-0246	EA		1/4-20 Thread Impression, Switch And Outlet Box Support (Caddy MFI) .....3.06 <i>For >50 To 100, Deduct</i> -0.13 <i>For >100 To 250, Deduct</i> -0.26 <i>For >250 To 500, Deduct</i> -0.49 <i>For >500, Deduct</i> -0.72		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0247 Lighting Fixture Hanger <small>(26 05 29 00-0165)</small>		
<i>Note: For existing or owner furnished fixtures.</i>		
26 05 29 00-0248 EA Lay-In/Troffer, Straight Lip Type Fixture Support Clip (Caddy 515)	4.68	
<i>For >50 To 100, Deduct</i>	-0.22	
<i>For >100 To 250, Deduct</i>	-0.44	
<i>For >250 To 500, Deduct</i>	-0.87	
<i>For >500, Deduct</i>	-1.30	
26 05 29 00-0249 PR Support Bars For Recessed "High Hat" Light Fixtures (Caddy 517)	12.74	
<i>For >50 To 100, Deduct</i>	-0.42	
<i>For >100 To 250, Deduct</i>	-0.84	
<i>For >250 To 500, Deduct</i>	-1.47	
<i>For >500, Deduct</i>	-2.10	
26 05 29 00-0250 PR Support Bars For Recessed "Lightolier" Light Fixtures (Caddy 520)	16.97	
<i>For >50 To 100, Deduct</i>	-0.53	
<i>For >100 To 250, Deduct</i>	-1.06	
<i>For >250 To 500, Deduct</i>	-1.79	
<i>For >500, Deduct</i>	-2.53	
26 05 29 00-0251 Rigid Steel Conduit Clamps For Unistrut Channel <small>(26 05 29 00-0165)</small>		
26 05 29 00-0252 EA 1/2" Diameter, Rigid Steel Conduit Clamp For Unistrut Channel	4.06	
<i>For >50 To 100, Deduct</i>	-0.18	
<i>For >100 To 250, Deduct</i>	-0.36	
<i>For >250 To 500, Deduct</i>	-0.69	
<i>For >500, Deduct</i>	-1.03	
<i>For Work In Restricted Working Space, Add</i>	0.94	
26 05 29 00-0253 EA 3/4" Diameter, Rigid Steel Conduit Clamp For Unistrut Channel	4.08	
<i>For >50 To 100, Deduct</i>	-0.18	
<i>For >100 To 250, Deduct</i>	-0.36	
<i>For >250 To 500, Deduct</i>	-0.70	
<i>For >500, Deduct</i>	-1.03	
<i>For Work In Restricted Working Space, Add</i>	0.94	
26 05 29 00-0254 EA 1" Diameter, Rigid Steel Conduit Clamp For Unistrut Channel	4.15	
<i>For >50 To 100, Deduct</i>	-0.18	
<i>For >100 To 250, Deduct</i>	-0.36	
<i>For >250 To 500, Deduct</i>	-0.70	
<i>For >500, Deduct</i>	-1.04	
<i>For Work In Restricted Working Space, Add</i>	0.94	
26 05 29 00-0255 EA 1-1/4" Diameter, Rigid Steel Conduit Clamp For Unistrut Channel	5.28	
<i>For >50 To 100, Deduct</i>	-0.24	
<i>For >100 To 250, Deduct</i>	-0.47	
<i>For >250 To 500, Deduct</i>	-0.91	
<i>For >500, Deduct</i>	-1.36	
<i>For Work In Restricted Working Space, Add</i>	1.25	
26 05 29 00-0256 EA 1-1/2" Diameter, Rigid Steel Conduit Clamp For Unistrut Channel	5.67	
<i>For >50 To 100, Deduct</i>	-0.25	
<i>For >100 To 250, Deduct</i>	-0.49	
<i>For >250 To 500, Deduct</i>	-0.94	
<i>For >500, Deduct</i>	-1.40	
<i>For Work In Restricted Working Space, Add</i>	1.25	
26 05 29 00-0257 EA 2" Diameter, Rigid Steel Conduit Clamp For Unistrut Channel	5.71	
<i>For >50 To 100, Deduct</i>	-0.25	
<i>For >100 To 250, Deduct</i>	-0.49	
<i>For >250 To 500, Deduct</i>	-0.95	
<i>For >500, Deduct</i>	-1.40	
<i>For Work In Restricted Working Space, Add</i>	1.25	
26 05 29 00-0258 EA 2-1/2" Diameter, Rigid Steel Conduit Clamp For Unistrut Channel	7.02	
<i>For >50 To 100, Deduct</i>	-0.31	
<i>For >100 To 250, Deduct</i>	-0.61	
<i>For >250 To 500, Deduct</i>	-1.18	
<i>For >500, Deduct</i>	-1.74	
<i>For Work In Restricted Working Space, Add</i>	1.56	
26 05 29 00-0259 EA 3" Diameter, Rigid Steel Conduit Clamp For Unistrut Channel	7.36	
<i>For >50 To 100, Deduct</i>	-0.31	
<i>For >100 To 250, Deduct</i>	-0.63	
<i>For >250 To 500, Deduct</i>	-1.20	
<i>For >500, Deduct</i>	-1.77	
<i>For Work In Restricted Working Space, Add</i>	1.56	
26 05 29 00-0260 EA 3-1/2" Diameter, Rigid Steel Conduit Clamp For Unistrut Channel	7.69	
<i>For >50 To 100, Deduct</i>	-0.32	
<i>For >100 To 250, Deduct</i>	-0.64	
<i>For >250 To 500, Deduct</i>	-1.23	
<i>For >500, Deduct</i>	-1.81	
<i>For Work In Restricted Working Space, Add</i>	1.56	
26 05 29 00-0261 EA 4" Diameter, Rigid Steel Conduit Clamp For Unistrut Channel	7.80	
<i>For >50 To 100, Deduct</i>	-0.32	
<i>For >100 To 250, Deduct</i>	-0.65	
<i>For >250 To 500, Deduct</i>	-1.23	
<i>For >500, Deduct</i>	-1.82	
<i>For Work In Restricted Working Space, Add</i>	1.56	
26 05 29 00-0262 Electrical Metallic Tubing (EMT) Conduit Clamps For Unistrut Channel <small>(26 05 29 00-0165)</small>		

26 Electrical**26 05 Common Work Results For Electrical****26 05 29 Hangers And Supports For Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0263	EA		1/2" Diameter, Electrical Metallic Tubing (EMT) Conduit Clamp For Unistrut Channel.....	4.31	
			<i>For >50 To 100, Deduct</i>	-0.19	
			<i>For >100 To 250, Deduct</i>	-0.37	
			<i>For >250 To 500, Deduct</i>	-0.71	
			<i>For >500, Deduct</i>	-1.06	
			<i>For Work In Restricted Working Space, Add</i>	0.94	
26 05 29 00-0264	EA		3/4" Diameter, Electrical Metallic Tubing (EMT) Conduit Clamp For Unistrut Channel.....	4.28	
			<i>For >50 To 100, Deduct</i>	-0.19	
			<i>For >100 To 250, Deduct</i>	-0.37	
			<i>For >250 To 500, Deduct</i>	-0.71	
			<i>For >500, Deduct</i>	-1.05	
			<i>For Work In Restricted Working Space, Add</i>	0.94	
26 05 29 00-0265	EA		1" Diameter, Electrical Metallic Tubing (EMT) Conduit Clamp For Unistrut Channel.....	4.24	
			<i>For >50 To 100, Deduct</i>	-0.18	
			<i>For >100 To 250, Deduct</i>	-0.37	
			<i>For >250 To 500, Deduct</i>	-0.71	
			<i>For >500, Deduct</i>	-1.05	
			<i>For Work In Restricted Working Space, Add</i>	0.94	
26 05 29 00-0266	EA		1-1/4" Diameter, Electrical Metallic Tubing (EMT) Conduit Clamp For Unistrut Channel.....	5.59	
			<i>For >50 To 100, Deduct</i>	-0.24	
			<i>For >100 To 250, Deduct</i>	-0.49	
			<i>For >250 To 500, Deduct</i>	-0.94	
			<i>For >500, Deduct</i>	-1.39	
			<i>For Work In Restricted Working Space, Add</i>	1.25	
26 05 29 00-0267	EA		1-1/2" Diameter, Electrical Metallic Tubing (EMT) Conduit Clamp For Unistrut Channel.....	6.25	
			<i>For >50 To 100, Deduct</i>	-0.26	
			<i>For >100 To 250, Deduct</i>	-0.52	
			<i>For >250 To 500, Deduct</i>	-0.99	
			<i>For >500, Deduct</i>	-1.46	
			<i>For Work In Restricted Working Space, Add</i>	1.25	
26 05 29 00-0268	EA		2" Diameter, Electrical Metallic Tubing (EMT) Conduit Clamp For Unistrut Channel.....	6.29	
			<i>For >50 To 100, Deduct</i>	-0.26	
			<i>For >100 To 250, Deduct</i>	-0.52	
			<i>For >250 To 500, Deduct</i>	-0.99	
			<i>For >500, Deduct</i>	-1.46	
			<i>For Work In Restricted Working Space, Add</i>	1.25	
26 05 29 00-0269			"J" Type Conduit Hangers <small>(26 05 29 00-0165)</small>		
26 05 29 00-0270	EA		1/2", "J" Type Conduit Hanger (Unistrut J1205).....	16.15	
			<i>For >50 To 100, Deduct</i>	-0.59	
			<i>For >100 To 250, Deduct</i>	-1.17	
			<i>For >250 To 500, Deduct</i>	-2.12	
			<i>For >500, Deduct</i>	-3.07	
			<i>For Work In Restricted Working Space, Add</i>	2.18	
26 05 29 00-0271	EA		3/4", "J" Type Conduit Hanger (Unistrut J1207).....	16.30	
			<i>For >50 To 100, Deduct</i>	-0.59	
			<i>For >100 To 250, Deduct</i>	-1.18	
			<i>For >250 To 500, Deduct</i>	-2.13	
			<i>For >500, Deduct</i>	-3.08	
			<i>For Work In Restricted Working Space, Add</i>	2.18	
26 05 29 00-0272	EA		1", "J" Type Conduit Hanger (Unistrut J1210).....	17.49	
			<i>For >50 To 100, Deduct</i>	-0.64	
			<i>For >100 To 250, Deduct</i>	-1.29	
			<i>For >250 To 500, Deduct</i>	-2.35	
			<i>For >500, Deduct</i>	-3.41	
			<i>For Work In Restricted Working Space, Add</i>	2.49	
26 05 29 00-0273	EA		1-1/4", "J" Type Conduit Hanger (Unistrut J1212).....	17.65	
			<i>For >50 To 100, Deduct</i>	-0.65	
			<i>For >100 To 250, Deduct</i>	-1.30	
			<i>For >250 To 500, Deduct</i>	-2.36	
			<i>For >500, Deduct</i>	-3.43	
			<i>For Work In Restricted Working Space, Add</i>	2.49	
26 05 29 00-0274	EA		1-1/2", "J" Type Conduit Hanger (Unistrut J1215).....	18.80	
			<i>For >50 To 100, Deduct</i>	-0.70	
			<i>For >100 To 250, Deduct</i>	-1.41	
			<i>For >250 To 500, Deduct</i>	-2.58	
			<i>For >500, Deduct</i>	-3.75	
			<i>For Work In Restricted Working Space, Add</i>	2.80	
26 05 29 00-0275	EA		2", "J" Type Conduit Hanger (Unistrut J1220).....	19.44	
			<i>For >50 To 100, Deduct</i>	-0.72	
			<i>For >100 To 250, Deduct</i>	-1.44	
			<i>For >250 To 500, Deduct</i>	-2.63	
			<i>For >500, Deduct</i>	-3.81	
			<i>For Work In Restricted Working Space, Add</i>	2.80	
26 05 29 00-0276	EA		2-1/2", "J" Type Conduit Hanger (Unistrut J1225).....	29.50	
			<i>For >50 To 100, Deduct</i>	-1.00	
			<i>For >100 To 250, Deduct</i>	-1.99	
			<i>For >250 To 500, Deduct</i>	-3.51	
			<i>For >500, Deduct</i>	-5.03	
			<i>For Work In Restricted Working Space, Add</i>	3.11	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0277 EA 3", "J" Type Conduit Hanger (Unistrut J1230).....	31.48	
<i>For >50 To 100, Deduct</i>	-1.07	
<i>For >100 To 250, Deduct</i>	-2.14	
<i>For >250 To 500, Deduct</i>	-3.79	
<i>For >500, Deduct</i>	-5.43	
<i>For Work In Restricted Working Space, Add</i>	3.42	
26 05 29 00-0278 EA 3-1/2", "J" Type Conduit Hanger (Unistrut J1235).....	33.95	
<i>For >50 To 100, Deduct</i>	-1.16	
<i>For >100 To 250, Deduct</i>	-2.32	
<i>For >250 To 500, Deduct</i>	-4.10	
<i>For >500, Deduct</i>	-5.89	
<i>For Work In Restricted Working Space, Add</i>	3.74	
26 05 29 00-0279 EA 4", "J" Type Conduit Hanger (Unistrut J1240).....	43.73	
<i>For >50 To 100, Deduct</i>	-1.40	
<i>For >100 To 250, Deduct</i>	-2.81	
<i>For >250 To 500, Deduct</i>	-4.84	
<i>For >500, Deduct</i>	-6.86	
<i>For Work In Restricted Working Space, Add</i>	3.74	
26 05 29 00-0280 EA 5", "J" Type Conduit Hanger (Unistrut J1250).....	47.98	
<i>For >50 To 100, Deduct</i>	-1.54	
<i>For >100 To 250, Deduct</i>	-3.07	
<i>For >250 To 500, Deduct</i>	-5.28	
<i>For >500, Deduct</i>	-7.49	
<i>For Work In Restricted Working Space, Add</i>	4.04	
26 05 29 00-0281 EA 6", "J" Type Conduit Hanger (Unistrut J1260).....	66.47	
<i>For >50 To 100, Deduct</i>	-2.05	
<i>For >100 To 250, Deduct</i>	-4.10	
<i>For >250 To 500, Deduct</i>	-6.93	
<i>For >500, Deduct</i>	-9.76	
<i>For Work In Restricted Working Space, Add</i>	4.67	
26 05 29 00-0282 Between Studs Box Brackets <small>(26 05 29 00-0165)</small>		
26 05 29 00-0283 EA 16" Stud Spacing, 1-1/2" Or 2-1/8" Box Depth, Screw Gun Between Studs Box Bracket (Caddy SGB16A)	6.00	
<i>For >50 To 100, Deduct</i>	-0.23	
<i>For >100 To 250, Deduct</i>	-0.46	
<i>For >250 To 500, Deduct</i>	-0.84	
<i>For >500, Deduct</i>	-1.22	
<i>For Work In Restricted Working Space, Add</i>	0.94	
26 05 29 00-0284 EA 24" Stud Spacing, 1-1/2" Or 2-1/8" Box Depth, Screw Gun Between Studs Box Bracket (Caddy SGB24A)	7.00	
<i>For >50 To 100, Deduct</i>	-0.25	
<i>For >100 To 250, Deduct</i>	-0.51	
<i>For >250 To 500, Deduct</i>	-0.92	
<i>For >500, Deduct</i>	-1.32	
<i>For Work In Restricted Working Space, Add</i>	0.94	
26 05 29 00-0285 Hangers And Brackets <small>(26 05 29 00-0165)</small>		
26 05 29 00-0286 EA Rod Hangers Only With 1/4" Thread Impression (Caddy 4TI)	2.45	
<i>For >50 To 100, Deduct</i>	-0.11	
<i>For >100 To 250, Deduct</i>	-0.23	
<i>For >250 To 500, Deduct</i>	-0.44	
<i>For >500, Deduct</i>	-0.66	
26 05 29 00-0287 EA Angle Bracket Only With 1/4" Hole (Caddy AB)	2.39	
<i>For >50 To 100, Deduct</i>	-0.11	
<i>For >100 To 250, Deduct</i>	-0.22	
<i>For >250 To 500, Deduct</i>	-0.44	
<i>For >500, Deduct</i>	-0.65	
26 05 29 00-0288 EA Offset Bracket Only With 1/4" Hole (Caddy AO)	2.39	
<i>For >50 To 100, Deduct</i>	-0.11	
<i>For >100 To 250, Deduct</i>	-0.22	
<i>For >250 To 500, Deduct</i>	-0.44	
<i>For >500, Deduct</i>	-0.65	
26 05 29 00-0289 EA Angle Bracket Mount, 1/4" Threaded Rod Hanger With Thread Impression (Caddy 4TIB).....	2.99	
<i>For >50 To 100, Deduct</i>	-0.13	
<i>For >100 To 250, Deduct</i>	-0.25	
<i>For >250 To 500, Deduct</i>	-0.48	
<i>For >500, Deduct</i>	-0.71	
26 05 29 00-0290 EA Angle Bracket Mount, 3/8" Threaded Rod Hanger With Thread Impression (Caddy 6TIB).....	3.00	
<i>For >50 To 100, Deduct</i>	-0.13	
<i>For >100 To 250, Deduct</i>	-0.25	
<i>For >250 To 500, Deduct</i>	-0.48	
<i>For >500, Deduct</i>	-0.71	
26 05 29 00-0291 EA Angle Bracket Mount, 1/4" Or 3/8" Threaded Rod Hanger With Nut (Caddy 6TB).....	2.93	
<i>For >50 To 100, Deduct</i>	-0.13	
<i>For >100 To 250, Deduct</i>	-0.25	
<i>For >250 To 500, Deduct</i>	-0.48	
<i>For >500, Deduct</i>	-0.71	
26 05 29 00-0292 EA Offset Bracket Mount, 1/4" Threaded Rod Hanger With Thread Impression (Caddy 4TIO).....	2.99	
<i>For >50 To 100, Deduct</i>	-0.13	
<i>For >100 To 250, Deduct</i>	-0.25	
<i>For >250 To 500, Deduct</i>	-0.48	
<i>For >500, Deduct</i>	-0.71	

26 Electrical**26 05 Common Work Results For Electrical****26 05 29 Hangers And Supports For Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0293	EA		Offset Bracket Mount, 3/8" Threaded Rod Hanger With Thread Impression (Caddy 6TIO).....	3.00	
			<i>For >50 To 100, Deduct</i>	-0.13	
			<i>For >100 To 250, Deduct</i>	-0.25	
			<i>For >250 To 500, Deduct</i>	-0.48	
			<i>For >500, Deduct</i>	-0.71	
26 05 29 00-0294			Clips And Accessories <small>(26 05 29 00-0165)</small>		
26 05 29 00-0295	EA		1/2" Diameter Center, Bridle Ring (Caddy 2BR)	1.62	
			<i>For >50 To 100, Deduct</i>	-0.07	
			<i>For >100 To 250, Deduct</i>	-0.15	
			<i>For >250 To 500, Deduct</i>	-0.28	
			<i>For >500, Deduct</i>	-0.42	
26 05 29 00-0296	EA		3/4" Diameter Center, Bridle Ring (Caddy 2BR12)	1.64	
			<i>For >50 To 100, Deduct</i>	-0.07	
			<i>For >100 To 250, Deduct</i>	-0.15	
			<i>For >250 To 500, Deduct</i>	-0.28	
			<i>For >500, Deduct</i>	-0.42	
26 05 29 00-0297	EA		1-1/4" Diameter Center, Bridle Ring (Caddy 2BR20)	1.73	
			<i>For >50 To 100, Deduct</i>	-0.08	
			<i>For >100 To 250, Deduct</i>	-0.15	
			<i>For >250 To 500, Deduct</i>	-0.29	
			<i>For >500, Deduct</i>	-0.43	
26 05 29 00-0298	EA		2" Diameter Center, Bridle Ring (Caddy 2BR32)	1.92	
			<i>For >50 To 100, Deduct</i>	-0.08	
			<i>For >100 To 250, Deduct</i>	-0.16	
			<i>For >250 To 500, Deduct</i>	-0.31	
			<i>For >500, Deduct</i>	-0.45	
26 05 29 00-0299			Wire Ties <small>(26 05 29 00-0165)</small>		
			Note: Per hundred (C).		
26 05 29 00-0300	C		3" Length, 18 LB Tensile Strength, Nylon Cable Ties	13.68	
			<i>For UV Black, Add</i>	0.43	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.25	
26 05 29 00-0301	C		4" Length, 18 LB Tensile Strength, Nylon Cable Ties	13.79	
			<i>For UV Black, Add</i>	0.45	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.25	
26 05 29 00-0302	C		4-3/4" Length, 18 LB Tensile Strength, Nylon Cable Ties	13.87	
			<i>For UV Black, Add</i>	0.46	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.25	
26 05 29 00-0303	C		5-1/2" Length, 18 LB Tensile Strength, Nylon Cable Ties	13.90	
			<i>For UV Black, Add</i>	0.46	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.25	
26 05 29 00-0304	C		6-1/2" Length, 18 LB Tensile Strength, Nylon Cable Ties	14.41	
			<i>For UV Black, Add</i>	0.47	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.39	
26 05 29 00-0305	C		8" Length, 18 LB Tensile Strength, Nylon Cable Ties	17.34	
			<i>For UV Black, Add</i>	0.83	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.54	
26 05 29 00-0306	C		4-3/4" Length, 40 LB Tensile Strength, Nylon Cable Ties	16.75	
			<i>For UV Black, Add</i>	0.89	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.25	
26 05 29 00-0307	C		6" Length, 40 LB Tensile Strength, Nylon Cable Ties	17.27	
			<i>For UV Black, Add</i>	0.90	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.39	
26 05 29 00-0308	C		8" Length, 40 LB Tensile Strength, Nylon Cable Ties	17.82	
			<i>For UV Black, Add</i>	0.90	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.54	
26 05 29 00-0309	C		10" Length, 40 LB Tensile Strength, Nylon Cable Ties	26.58	
			<i>For UV Black, Add</i>	2.08	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.82	
26 05 29 00-0310	C		11-1/2" Length, 40 LB Tensile Strength, Nylon Cable Ties	27.83	
			<i>For UV Black, Add</i>	2.27	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.82	
26 05 29 00-0311	C		7" Length, 50 LB Tensile Strength, Nylon Cable Ties	18.69	
			<i>For UV Black, Add</i>	1.03	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.54	
26 05 29 00-0312	C		8" Length, 50 LB Tensile Strength, Nylon Cable Ties	17.58	
			<i>For UV Black, Add</i>	0.87	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.54	
26 05 29 00-0313	C		11" Length, 50 LB Tensile Strength, Nylon Cable Ties	26.93	
			<i>For UV Black, Add</i>	2.13	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.82	
26 05 29 00-0314	C		14-1/2" Length, 50 LB Tensile Strength, Nylon Cable Ties	30.98	
			<i>For UV Black, Add</i>	2.62	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.06	
26 05 29 00-0315	C		8" Length, 120 LB Tensile Strength, Nylon Cable Ties	30.54	
			<i>For UV Black, Add</i>	2.81	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.54	
26 05 29 00-0316	C		11" Length, 120 LB Tensile Strength, Nylon Cable Ties	33.46	
			<i>For UV Black, Add</i>	3.11	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.82	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0317 C 15" Length, 120 LB Tensile Strength, Nylon Cable Ties.....	40.80	
For UV Black, Add	4.09	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.06	
26 05 29 00-0318 C 17" Length, 120 LB Tensile Strength, Nylon Cable Ties.....	59.11	
For UV Black, Add	6.70	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.33	
26 05 29 00-0319 C 17-3/4" Length, 175 LB Tensile Strength, Nylon Cable Ties.....	57.21	
For UV Black, Add	6.42	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.33	
26 05 29 00-0320 C 21-11/16" Length, 175 LB Tensile Strength, Nylon Cable Ties.....	70.07	
For UV Black, Add	8.25	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.53	
26 05 29 00-0321 C 30" Length, 175 LB Tensile Strength, Nylon Cable Ties.....	81.36	
For UV Black, Add	9.83	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.75	
26 05 29 00-0322 C 46" Length, 175 LB Tensile Strength, Nylon Cable Ties.....	112.28	
For UV Black, Add	14.28	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.13	
26 05 29 00-0323 C 3/4" x 3/4" Self Adhesive Tie Mounts.....	33.87	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.74	
26 05 29 00-0324 C 1.1" x 1.1" Tie Mounts With Screw.....	67.37	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	19.48	
26 05 29 00-0325 EA 6" Length x 1/2" Width, Velcro Grip Cable Tie.....	1.42	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	0.16	
26 05 29 00-0326 EA 8" Length x 1/2" Width, Velcro Grip Cable Tie.....	1.38	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	0.13	
26 05 29 00-0327 EA 12" Length x 1/2" Width, Velcro Grip Cable Tie.....	1.66	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	0.13	
26 05 29 00-0328 EA 15" Length x 3/4" Width, Velcro Grip Cable Tie.....	2.26	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	0.13	
26 05 29 00-0329 EA 180" Length x 3/4" Width, Velcro Grip Cable Tie Roll.....	54.84	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	0.98	
26 05 29 00-0330 Fastening Devices For Wireway And Conduit <small>(26 05 29)</small>		
Note: Bolts include drilling of holes with power tools in concrete, brick, concrete block, wood, tile or steel and alignment of hangers and supports.		
26 05 29 00-0331 Toggle Bolts <small>(26 05 29 00-0330)</small>		
Note: Includes machine screw, toggle wing and drilling in concrete, concrete block, wood or steel.		
26 05 29 00-0332 EA 1/8" Diameter, 3" Length, Zinc Plated Steel, Toggle Bolt.....	7.89	
For >50 To 100, Deduct	-0.77	
For >100 To 250, Deduct	-1.53	
For >250 To 500, Deduct	-2.68	
For >500, Deduct	-3.83	
26 05 29 00-0333 EA 1/8" Diameter, 4" Length, Zinc Plated Steel, Toggle Bolt.....	8.10	
For >50 To 100, Deduct	-0.79	
For >100 To 250, Deduct	-1.57	
For >250 To 500, Deduct	-2.75	
For >500, Deduct	-3.92	
26 05 29 00-0334 EA 3/16" Diameter, 3" Length, Zinc Plated Steel, Toggle Bolt.....	8.46	
For >50 To 100, Deduct	-0.81	
For >100 To 250, Deduct	-1.62	
For >250 To 500, Deduct	-2.83	
For >500, Deduct	-4.03	
26 05 29 00-0335 EA 3/16" Diameter, 4" Length, Zinc Plated Steel, Toggle Bolt.....	8.67	
For >50 To 100, Deduct	-0.83	
For >100 To 250, Deduct	-1.66	
For >250 To 500, Deduct	-2.89	
For >500, Deduct	-4.13	
26 05 29 00-0336 EA 1/4" Diameter, 4" Length, Zinc Plated Steel, Toggle Bolt.....	8.87	
For >50 To 100, Deduct	-0.85	
For >100 To 250, Deduct	-1.70	
For >250 To 500, Deduct	-2.96	
For >500, Deduct	-4.23	
26 05 29 00-0337 EA 5/16" Diameter, 4" Length, Zinc Plated Steel, Toggle Bolt.....	9.70	
For >50 To 100, Deduct	-0.88	
For >100 To 250, Deduct	-1.77	
For >250 To 500, Deduct	-3.08	
For >500, Deduct	-4.39	
26 05 29 00-0338 EA 3/8" Diameter, 4" Length, Zinc Plated Steel, Toggle Bolt.....	10.04	
For >50 To 100, Deduct	-0.91	
For >100 To 250, Deduct	-1.81	
For >250 To 500, Deduct	-3.15	
For >500, Deduct	-4.50	
26 05 29 00-0339 Machine Screws <small>(26 05 29 00-0330)</small>		
Note: Includes drilling in concrete, concrete block, wood or steel.		
26 05 29 00-0340 EA #8 Diameter, 2" Length, Zinc Plated Steel, Machine Screw.....	2.35	
For >50 To 100, Deduct	-0.23	
For >100 To 250, Deduct	-0.46	
For >250 To 500, Deduct	-0.81	
For >500, Deduct	-1.16	

26 Electrical**26 05 Common Work Results For Electrical****26 05 29 Hangers And Supports For Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0341	EA		#10 Diameter, 2" Length, Zinc Plated Steel, Machine Screw.....	2.38	
			<i>For >50 To 100, Deduct</i>	-0.23	
			<i>For >100 To 250, Deduct</i>	-0.46	
			<i>For >250 To 500, Deduct</i>	-0.81	
			<i>For >500, Deduct</i>	-1.16	
26 05 29 00-0342	EA		1/4" Diameter, 2" Length, Zinc Plated Steel, Machine Screw.....	2.98	
			<i>For >50 To 100, Deduct</i>	-0.29	
			<i>For >100 To 250, Deduct</i>	-0.58	
			<i>For >250 To 500, Deduct</i>	-1.02	
			<i>For >500, Deduct</i>	-1.45	
26 05 29 00-0343	EA		5/16" Diameter, 2" Length, Zinc Plated Steel, Machine Screw	3.07	
			<i>For >50 To 100, Deduct</i>	-0.29	
			<i>For >100 To 250, Deduct</i>	-0.59	
			<i>For >250 To 500, Deduct</i>	-1.03	
			<i>For >500, Deduct</i>	-1.46	
26 05 29 00-0344	EA		3/8" Diameter, 2" Length, Zinc Plated Steel, Machine Screw.....	3.75	
			<i>For >50 To 100, Deduct</i>	-0.35	
			<i>For >100 To 250, Deduct</i>	-0.71	
			<i>For >250 To 500, Deduct</i>	-1.23	
			<i>For >500, Deduct</i>	-1.76	
26 05 29 00-0345			Hex Lag Bolts With Lag Shield Expansion Anchors <small>(26 05 29 00-0330)</small>		
			Note: Includes lag bolt, lag shield expansion anchor and drilling in concrete, concrete block, wood or steel.		
26 05 29 00-0346	EA		1/4" Diameter, 2" Length, Zinc Plated Steel, Hex Lag Bolt With Lag Shield Expansion Anchor	3.53	
			<i>For >50 To 100, Deduct</i>	-0.31	
			<i>For >100 To 250, Deduct</i>	-0.61	
			<i>For >250 To 500, Deduct</i>	-1.06	
			<i>For >500, Deduct</i>	-1.51	
26 05 29 00-0347	EA		5/16" Diameter, 2" Length, Zinc Plated Steel, Hex Lag Bolt With Lag Shield Expansion Anchor	3.50	
			<i>For >50 To 100, Deduct</i>	-0.30	
			<i>For >100 To 250, Deduct</i>	-0.61	
			<i>For >250 To 500, Deduct</i>	-1.06	
			<i>For >500, Deduct</i>	-1.51	
26 05 29 00-0348	EA		3/8" Diameter, 2" Length, Zinc Plated Steel, Hex Lag Bolt With Lag Shield Expansion Anchor	4.73	
			<i>For >50 To 100, Deduct</i>	-0.38	
			<i>For >100 To 250, Deduct</i>	-0.76	
			<i>For >250 To 500, Deduct</i>	-1.31	
			<i>For >500, Deduct</i>	-1.86	
26 05 29 00-0349	EA		1/2" Diameter, 2" Length, Zinc Plated Steel, Hex Lag Bolt With Lag Shield Expansion Anchor	5.88	
			<i>For >50 To 100, Deduct</i>	-0.45	
			<i>For >100 To 250, Deduct</i>	-0.90	
			<i>For >250 To 500, Deduct</i>	-1.55	
			<i>For >500, Deduct</i>	-2.20	
26 05 29 00-0350			Hanger Lag Bolts With Hex Nuts <small>(26 05 29 00-0330)</small>		
			Note: Includes hanger lag bolt (threaded one side), hex nut and drilling in concrete, concrete block, wood or steel.		
26 05 29 00-0351	EA		1/4" Diameter, 2" Length, Zinc Plated Steel, Hanger Lag Bolt With Hex Nut.....	2.68	
			<i>For >50 To 100, Deduct</i>	-0.24	
			<i>For >100 To 250, Deduct</i>	-0.48	
			<i>For >250 To 500, Deduct</i>	-0.83	
			<i>For >500, Deduct</i>	-1.19	
26 05 29 00-0352	EA		5/16" Diameter, 2" Length, Zinc Plated Steel, Hanger Lag Bolt With Hex Nut.....	2.71	
			<i>For >50 To 100, Deduct</i>	-0.24	
			<i>For >100 To 250, Deduct</i>	-0.48	
			<i>For >250 To 500, Deduct</i>	-0.84	
			<i>For >500, Deduct</i>	-1.19	
26 05 29 00-0353	EA		3/8" Diameter, 2-1/2" Length, Zinc Plated Steel, Hanger Lag Bolt With Hex Nut.....	3.16	
			<i>For >50 To 100, Deduct</i>	-0.27	
			<i>For >100 To 250, Deduct</i>	-0.54	
			<i>For >250 To 500, Deduct</i>	-0.94	
			<i>For >500, Deduct</i>	-1.34	
26 05 29 00-0354			Hollow Wall Screw Anchors <small>(26 05 29 00-0330)</small>		
26 05 29 00-0355	EA		6-32 Screw Size, 5/16" Hole Diameter, 1/8" To 5/8" Grip Range, Zinc Plated Steel, Hollow Wall Screw Anchor.....	1.59	
			<i>For >50 To 100, Deduct</i>	-0.14	
			<i>For >100 To 250, Deduct</i>	-0.29	
			<i>For >250 To 500, Deduct</i>	-0.50	
			<i>For >500, Deduct</i>	-0.71	
26 05 29 00-0356	EA		6-32 Screw Size, 5/16" Hole Diameter, 5/8" To 1-1/4" Grip Range, Zinc Plated Steel, Hollow Wall Screw Anchor.....	1.62	
			<i>For >50 To 100, Deduct</i>	-0.14	
			<i>For >100 To 250, Deduct</i>	-0.29	
			<i>For >250 To 500, Deduct</i>	-0.50	
			<i>For >500, Deduct</i>	-0.71	
26 05 29 00-0357	EA		6-32 Screw Size, 5/16" Hole Diameter, 1-1/4" To 1-3/4" Grip Range, Zinc Plated Steel, Hollow Wall Screw Anchor.....	1.68	
			<i>For >50 To 100, Deduct</i>	-0.15	
			<i>For >100 To 250, Deduct</i>	-0.29	
			<i>For >250 To 500, Deduct</i>	-0.51	
			<i>For >500, Deduct</i>	-0.72	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0358 EA 10-24 Screw Size, 3/8" Hole Diameter, 1/8" To 5/8" Grip Range, Zinc Plated Steel, Hollow Wall Screw Anchor.....	2.08	
<i>For >50 To 100, Deduct</i>	-0.17	
<i>For >100 To 250, Deduct</i>	-0.35	
<i>For >250 To 500, Deduct</i>	-0.60	
<i>For >500, Deduct</i>	-0.85	
26 05 29 00-0359 EA 10-24 Screw Size, 3/8" Hole Diameter, 5/8" To 1-1/4" Grip Range, Zinc Plated Steel, Hollow Wall Screw Anchor.....	2.15	
<i>For >50 To 100, Deduct</i>	-0.17	
<i>For >100 To 250, Deduct</i>	-0.35	
<i>For >250 To 500, Deduct</i>	-0.60	
<i>For >500, Deduct</i>	-0.86	
26 05 29 00-0360 EA 10-24 Screw Size, 3/8" Hole Diameter, 1-1/4" To 1-3/4" Grip Range, Zinc Plated Steel, Hollow Wall Screw Anchor.....	2.17	
<i>For >50 To 100, Deduct</i>	-0.18	
<i>For >100 To 250, Deduct</i>	-0.35	
<i>For >250 To 500, Deduct</i>	-0.61	
<i>For >500, Deduct</i>	-0.86	
26 05 29 00-0361 EA 1/4-20 Screw Size, 7/16" Hole Diameter, 1/8" To 5/8" Grip Range, Zinc Plated Steel, Hollow Wall Screw Anchor.....	2.19	
<i>For >50 To 100, Deduct</i>	-0.18	
<i>For >100 To 250, Deduct</i>	-0.35	
<i>For >250 To 500, Deduct</i>	-0.61	
<i>For >500, Deduct</i>	-0.86	
26 05 29 00-0362 EA 1/4-20 Screw Size, 7/16" Hole Diameter, 5/8" To 1-1/4" Grip Range, Zinc Plated Steel, Hollow Wall Screw Anchor.....	2.29	
<i>For >50 To 100, Deduct</i>	-0.18	
<i>For >100 To 250, Deduct</i>	-0.36	
<i>For >250 To 500, Deduct</i>	-0.61	
<i>For >500, Deduct</i>	-0.87	
26 05 29 00-0363 EA 1/4-20 Screw Size, 7/16" Hole Diameter, 1-1/4" To 1-3/4" Grip Range, Zinc Plated Steel, Hollow Wall Screw Anchor	2.33	
<i>For >50 To 100, Deduct</i>	-0.18	
<i>For >100 To 250, Deduct</i>	-0.36	
<i>For >250 To 500, Deduct</i>	-0.62	
<i>For >500, Deduct</i>	-0.88	
26 05 29 00-0364 Lead Screw Anchors <small>(26 05 29 00-0330)</small>		
Note: Includes screw.		
26 05 29 00-0365 EA #6-8 Screw Size, 1/4" Hole Diameter, Lead Screw Anchor With Screw	3.82	
<i>For >50 To 100, Deduct</i>	-0.36	
<i>For >100 To 250, Deduct</i>	-0.72	
<i>For >250 To 500, Deduct</i>	-1.26	
<i>For >500, Deduct</i>	-1.80	
26 05 29 00-0366 EA #10-14 Screw Size, 5/16" Hole Diameter, Lead Screw Anchor With Screw	4.49	
<i>For >50 To 100, Deduct</i>	-0.42	
<i>For >100 To 250, Deduct</i>	-0.84	
<i>For >250 To 500, Deduct</i>	-1.46	
<i>For >500, Deduct</i>	-2.09	
26 05 29 00-0367 EA #16-18 Screw Size, 5/16" Hole Diameter, Lead Screw Anchor With Screw	5.96	
<i>For >50 To 100, Deduct</i>	-0.54	
<i>For >100 To 250, Deduct</i>	-1.08	
<i>For >250 To 500, Deduct</i>	-1.88	
<i>For >500, Deduct</i>	-2.68	
26 05 29 00-0368 Acoustical T-Bar Clips <small>(26 05 29 00-0330)</small>		
Note: For conduit installation above suspended ceilings up to 15' height.		
26 05 29 00-0369 EA 1/2" Conduit, Push-In Acoustical T-Bar Clip	5.89	
<i>For >50 To 100, Deduct</i>	-0.48	
<i>For >100 To 250, Deduct</i>	-0.96	
<i>For >250 To 500, Deduct</i>	-1.66	
<i>For >500, Deduct</i>	-2.36	
26 05 29 00-0370 EA 3/4" Conduit, Push-In Acoustical T-Bar Clip	6.18	
<i>For >50 To 100, Deduct</i>	-0.50	
<i>For >100 To 250, Deduct</i>	-1.01	
<i>For >250 To 500, Deduct</i>	-1.74	
<i>For >500, Deduct</i>	-2.48	
26 05 29 00-0371 EA 1" Conduit, Push-In Acoustical T-Bar Clip	6.68	
<i>For >50 To 100, Deduct</i>	-0.54	
<i>For >100 To 250, Deduct</i>	-1.07	
<i>For >250 To 500, Deduct</i>	-1.85	
<i>For >500, Deduct</i>	-2.63	
26 05 29 00-0372 Threaded Rod, Accessories And Attachments <small>(26 05 29)</small>		
26 05 29 00-0373 Threaded Rod And Rod Accessories <small>(26 05 29 00-0372)</small>		
26 05 29 00-0374 Carbon Steel Threaded Rod <small>(26 05 29 00-0373)</small>		
Note: Includes plain finish.		
26 05 29 00-0375 LF 3/8" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	2.58	0.65
<i>For Galvanized, Add</i>	0.52	
<i>For Zinc Coated, Add</i>	0.37	
26 05 29 00-0376 LF 1/2" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	3.42	0.69
<i>For Galvanized, Add</i>	0.82	
<i>For Zinc Coated, Add</i>	0.58	
26 05 29 00-0377 LF 5/8" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	4.60	0.71
<i>For Galvanized, Add</i>	1.27	
<i>For Zinc Coated, Add</i>	0.90	

26 Electrical**26 05 Common Work Results For Electrical****26 05 29 Hangers And Supports For Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0378 LF 3/4" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	7.23	0.74
For Galvanized, Add	2.30	
For Zinc Coated, Add	1.64	
26 05 29 00-0379 LF 7/8" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	7.85	0.76
For Galvanized, Add	2.53	
For Zinc Coated, Add	1.80	
26 05 29 00-0380 LF 1" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	10.62	0.86
For Galvanized, Add	3.55	
For Zinc Coated, Add	2.53	
26 05 29 00-0381 LF 1-1/8" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	13.13	0.96
For Galvanized, Add	4.48	
For Zinc Coated, Add	3.19	
26 05 29 00-0382 Threaded Rod Couplings (26 05 29 00-0373)		
26 05 29 00-0383 EA 3/8" Diameter, Threaded Rod Coupling Nut.....	7.80	
26 05 29 00-0384 EA 1/2" Diameter, Threaded Rod Coupling Nut.....	8.80	
26 05 29 00-0385 EA 5/8" Diameter, Threaded Rod Coupling Nut.....	10.63	
26 05 29 00-0386 EA 3/4" Diameter, Threaded Rod Coupling Nut.....	12.54	
26 05 29 00-0387 EA 7/8" Diameter, Threaded Rod Coupling Nut.....	17.04	
26 05 29 00-0388 EA 1" Diameter, Threaded Rod Coupling Nut.....	20.16	
26 05 29 00-0389 EA 1-1/8" Diameter, Threaded Rod Coupling Nut	34.90	
26 05 29 00-0390 Flat Washers (26 05 29 00-0373)		
26 05 29 00-0391 EA 3/8" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	0.67	0.26
For Galvanized, Add	0.02	
26 05 29 00-0392 EA 1/2" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	0.82	0.26
For Galvanized, Add	0.04	
26 05 29 00-0393 EA 5/8" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	1.01	0.26
For Galvanized, Add	0.08	
26 05 29 00-0394 EA 3/4" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	1.19	0.52
For Galvanized, Add	0.12	
26 05 29 00-0395 EA 7/8" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	1.32	0.52
For Galvanized, Add	0.14	
26 05 29 00-0396 EA 1" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	1.54	0.52
For Galvanized, Add	0.17	
26 05 29 00-0397 EA 1-1/8" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	1.73	0.52
For Galvanized, Add	0.19	
26 05 29 00-0398 Malleable Iron Eye Sockets (26 05 29 00-0373)		
Note: Type 16.		
26 05 29 00-0399 EA 3/8" Rod Size, Malleable Iron Eye Socket.....	8.47	
26 05 29 00-0400 EA 1/2" Rod Size, Malleable Iron Eye Socket.....	10.07	
26 05 29 00-0401 EA 5/8" Rod Size, Malleable Iron Eye Socket.....	17.06	
26 05 29 00-0402 EA 3/4" Rod Size, Malleable Iron Eye Socket.....	24.08	
26 05 29 00-0403 EA 7/8" Rod Size, Malleable Iron Eye Socket.....	25.71	
26 05 29 00-0404 Hex Nuts (26 05 29 00-0373)		
26 05 29 00-0405 EA 3/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	0.65	0.26
For Galvanized, Add	0.02	
26 05 29 00-0406 EA 1/2" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	0.79	0.26
For Galvanized, Add	0.04	
26 05 29 00-0407 EA 5/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	1.01	0.26
For Galvanized, Add	0.08	
26 05 29 00-0408 EA 3/4" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	1.16	0.52
For Galvanized, Add	0.11	
26 05 29 00-0409 EA 7/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	1.58	0.52
For Galvanized, Add	0.21	
26 05 29 00-0410 EA 1" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	1.98	0.52
For Galvanized, Add	0.28	
26 05 29 00-0411 EA 1-1/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	3.08	0.52
For Galvanized, Add	0.53	
26 05 29 00-0412 Forged Steel Turnbuckles (26 05 29 00-0373)		
Note: Type 13.		
26 05 29 00-0413 EA 3/8" Thread Diameter, Forged Steel Turnbuckle Body	21.18	
26 05 29 00-0414 EA 1/2" Thread Diameter, Forged Steel Turnbuckle Body	25.89	
26 05 29 00-0415 EA 5/8" Thread Diameter, Forged Steel Turnbuckle Body	34.11	
26 05 29 00-0416 EA 3/4" Thread Diameter, Forged Steel Turnbuckle Body	41.94	
26 05 29 00-0417 EA 7/8" Thread Diameter, Forged Steel Turnbuckle Body	98.95	
26 05 29 00-0418 EA 1" Thread Diameter, Forged Steel Turnbuckle Body	67.91	
26 05 29 00-0419 EA 1-1/4" Thread Diameter, Forged Steel Turnbuckle Body	133.05	
26 05 29 00-0420 Attachments (26 05 29 00-0372)		
26 05 29 00-0421 Welded Beam Attachments (26 05 29 00-0420)		
Note: Type 22.		
26 05 29 00-0422 EA 3/8" Rod Size, Welded Beam Attachment.....	39.27	10.38



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
				26 05 29 00-0423 EA 1/2" Rod Size, Welded Beam Attachment	41.81	10.90
				26 05 29 00-0424 EA 5/8" Rod Size, Welded Beam Attachment	44.47	11.52
				26 05 29 00-0425 EA 3/4" Rod Size, Welded Beam Attachment	55.43	12.24
				26 05 29 00-0426 EA 7/8" Rod Size, Welded Beam Attachment	65.63	12.97
				26 05 29 00-0427 EA 1" Rod Size, Welded Beam Attachment	90.23	14.84
				26 05 29 00-0428 EA 1-1/8" Rod Size, Welded Beam Attachment	124.95	15.57
26 05 29 00-0429				C-Clamp Style Beam Clamps (26 05 29 00-0420)		
				Note: Type 23. Top or bottom flange mount.		
				26 05 29 00-0430 EA 3/8" Rod Size, C-Clamp Style Beam Clamp	15.26	7.79
				26 05 29 00-0431 EA 1/2" Rod Size, C-Clamp Style Beam Clamp	17.77	8.31
				26 05 29 00-0432 EA 5/8" Rod Size, C-Clamp Style Beam Clamp	19.95	8.91
				26 05 29 00-0433 EA 3/4" Rod Size, C-Clamp Style Beam Clamp	24.83	9.59
				26 05 29 00-0434 EA 7/8" Rod Size, C-Clamp Style Beam Clamp	34.50	10.39
26 05 29 00-0435				Bottom Mount I-Beam Clamps (26 05 29 00-0420)		
				Note: Type 21. For attaching threaded rod centered under beam flanges.		
				26 05 29 00-0436 EA 3/8" Rod Size, Up To 6" Flange Width, Bottom Mount I-Beam Clamp	37.20	10.39
				26 05 29 00-0437 EA 1/2" Rod Size, Up To 6" Flange Width, Bottom Mount I-Beam Clamp	52.97	11.34
				26 05 29 00-0438 EA 5/8" Rod Size, Up To 6" Flange Width, Bottom Mount I-Beam Clamp	74.05	12.47
				26 05 29 00-0439 EA 3/4" Rod Size, Up To 6" Flange Width, Bottom Mount I-Beam Clamp	88.19	13.85
				26 05 29 00-0440 EA 1" Rod Size, Up To 6" Flange Width, Bottom Mount I-Beam Clamp	205.71	15.59
26 05 29 00-0441				Steel U-Bolts (26 05 29 00-0420)		
				Note: Type 24. Includes plate and nuts.		
				26 05 29 00-0442 EA 1/2" Pipe Size, Zinc Plated Steel, U-Bolt	12.38	6.23
				26 05 29 00-0443 EA 3/4" Pipe Size, Zinc Plated Steel, U-Bolt	13.34	6.56
				26 05 29 00-0444 EA 1" Pipe Size, Zinc Plated Steel, U-Bolt	14.31	6.92
				26 05 29 00-0445 EA 1-1/4" Pipe Size, Zinc Plated Steel, U-Bolt	16.04	7.33
				26 05 29 00-0446 EA 1-1/2" Pipe Size, Zinc Plated Steel, U-Bolt	16.65	7.79
				26 05 29 00-0447 EA 2" Pipe Size, Zinc Plated Steel, U-Bolt	17.80	8.32
				26 05 29 00-0448 EA 2-1/2" Pipe Size, Zinc Plated Steel, U-Bolt	24.32	8.91
				26 05 29 00-0449 EA 3" Pipe Size, Zinc Plated Steel, U-Bolt	26.70	9.59
				26 05 29 00-0450 EA 4" Pipe Size, Zinc Plated Steel, U-Bolt	31.74	10.39
26 05 29 00-0451				Stainless Steel Threaded Rod (26 05 29 00-0372)		
				26 05 29 00-0452 LF 1/4" Diameter, 304/18-8 Stainless Steel Threaded Rod	2.32	0.52
				For 316 Stainless Steel, Add	0.92	
				26 05 29 00-0453 LF 5/16" Diameter, 304/18-8 Stainless Steel Threaded Rod	3.33	0.57
				For 316 Stainless Steel, Add	0.89	
				26 05 29 00-0454 LF 3/8" Diameter, 304/18-8 Stainless Steel Threaded Rod	4.22	0.65
				For 316 Stainless Steel, Add	1.19	
				26 05 29 00-0455 LF 7/16" Diameter, 304/18-8 Stainless Steel Threaded Rod	5.70	0.67
				For 316 Stainless Steel, Add	1.77	
				26 05 29 00-0456 LF 1/2" Diameter, 304/18-8 Stainless Steel Threaded Rod	6.75	0.69
				For 316 Stainless Steel, Add	2.17	
				26 05 29 00-0457 LF 5/8" Diameter, 304/18-8 Stainless Steel Threaded Rod	9.86	0.70
				For 316 Stainless Steel, Add	3.43	
				26 05 29 00-0458 LF 3/4" Diameter, 304/18-8 Stainless Steel Threaded Rod	13.60	0.71
				For 316 Stainless Steel, Add	4.93	
				26 05 29 00-0459 LF 7/8" Diameter, 304/18-8 Stainless Steel Threaded Rod	18.53	0.74
				For 316 Stainless Steel, Add	6.91	
				26 05 29 00-0460 LF 1" Diameter, 304/18-8 Stainless Steel Threaded Rod	23.76	0.86
				For 316 Stainless Steel, Add	8.92	
				26 05 29 00-0461 LF 1-1/4" Diameter, 304/18-8 Stainless Steel Threaded Rod	49.71	1.04
				For 316 Stainless Steel, Add	19.25	
26 05 29 00-0462				Polyvinyl Chloride (PVC) Coated Supports (26 05 29)		
				Note: Includes stainless steel and/or Polyvinyl Chloride (PVC) coated hardware.		
26 05 29 00-0463				Polyvinyl Chloride (PVC) Coated Beam Clamps (26 05 29 00-0462)		
26 05 29 00-0464				Right Angle, Polyvinyl Chloride (PVC) Coated Beam Clamps (26 05 29 00-0463)		
				26 05 29 00-0465 EA 1/2", Right Angle, Polyvinyl Chloride (PVC) Coated Beam Clamp	48.91	20.75
				26 05 29 00-0466 EA 3/4", Right Angle, Polyvinyl Chloride (PVC) Coated Beam Clamp	53.20	22.62
				26 05 29 00-0467 EA 1", Right Angle, Polyvinyl Chloride (PVC) Coated Beam Clamp	57.16	24.90
				26 05 29 00-0468 EA 1-1/4", Right Angle, Polyvinyl Chloride (PVC) Coated Beam Clamp	67.39	27.70
				26 05 29 00-0469 EA 1-1/2", Right Angle, Polyvinyl Chloride (PVC) Coated Beam Clamp	77.42	31.13
				26 05 29 00-0470 EA 2", Right Angle, Polyvinyl Chloride (PVC) Coated Beam Clamp	91.02	34.24
				26 05 29 00-0471 EA 2-1/2", Right Angle, Polyvinyl Chloride (PVC) Coated Beam Clamp	99.49	37.36
				26 05 29 00-0472 EA 3", Right Angle, Polyvinyl Chloride (PVC) Coated Beam Clamp	109.21	40.46
				26 05 29 00-0473 EA 3-1/2", Right Angle, Polyvinyl Chloride (PVC) Coated Beam Clamp	115.78	43.58
				26 05 29 00-0474 EA 4", Right Angle, Polyvinyl Chloride (PVC) Coated Beam Clamp	124.92	46.69
26 05 29 00-0475				Parallel, Polyvinyl Chloride (PVC) Coated Beam Clamps (26 05 29 00-0463)		
				26 05 29 00-0476 EA 1/2", Parallel, Polyvinyl Chloride (PVC) Coated Beam Clamp	51.67	20.75

26 Electrical**26 05 Common Work Results For Electrical****26 05 29 Hangers And Supports For Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0477	EA		3/4", Parallel, Polyvinyl Chloride (PVC) Coated Beam Clamp	55.08	22.62
26 05 29 00-0478	EA		1", Parallel, Polyvinyl Chloride (PVC) Coated Beam Clamp	62.77	24.90
26 05 29 00-0479	EA		1-1/4", Parallel, Polyvinyl Chloride (PVC) Coated Beam Clamp	69.39	27.70
26 05 29 00-0480	EA		1-1/2", Parallel, Polyvinyl Chloride (PVC) Coated Beam Clamp	78.19	31.13
26 05 29 00-0481	EA		2", Parallel, Polyvinyl Chloride (PVC) Coated Beam Clamp	89.69	34.24
26 05 29 00-0482	EA		2-1/2", Parallel, Polyvinyl Chloride (PVC) Coated Beam Clamp	101.98	37.36
26 05 29 00-0483	EA		3", Parallel, Polyvinyl Chloride (PVC) Coated Beam Clamp	112.52	40.46
26 05 29 00-0484	EA		3-1/2", Parallel, Polyvinyl Chloride (PVC) Coated Beam Clamp	119.95	43.58
26 05 29 00-0485	EA		4", Parallel, Polyvinyl Chloride (PVC) Coated Beam Clamp	125.48	46.69
26 05 29 00-0486			Edge, Polyvinyl Chloride (PVC) Coated Beam Clamps (26 05 29 00-0463)		
26 05 29 00-0487	EA		1/2", Edge, Polyvinyl Chloride (PVC) Coated Beam Clamp	49.31	20.55
26 05 29 00-0488	EA		3/4", Edge, Polyvinyl Chloride (PVC) Coated Beam Clamp	53.20	22.41
26 05 29 00-0489	EA		1", Edge, Polyvinyl Chloride (PVC) Coated Beam Clamp	59.98	24.90
26 05 29 00-0490	EA		1-1/4", Edge, Polyvinyl Chloride (PVC) Coated Beam Clamp	69.39	27.39
26 05 29 00-0491	EA		1-1/2", Edge, Polyvinyl Chloride (PVC) Coated Beam Clamp	87.99	31.13
26 05 29 00-0492	EA		2", Edge, Polyvinyl Chloride (PVC) Coated Beam Clamp	96.53	34.24
26 05 29 00-0493			Polyvinyl Chloride (PVC) Coated Conduit Straps (26 05 29 00-0462)		
26 05 29 00-0494			One Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Straps (26 05 29 00-0493)		
26 05 29 00-0495	EA		1/2", One Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap	4.98	0.62
26 05 29 00-0496	EA		3/4", One Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap	5.38	0.62
26 05 29 00-0497	EA		1", One Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap	7.74	0.62
26 05 29 00-0498	EA		1-1/4", One Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap	9.34	0.62
26 05 29 00-0499	EA		1-1/2", One Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap	12.19	0.62
26 05 29 00-0500	EA		2", One Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap	18.13	0.62
26 05 29 00-0501	EA		2-1/2", One Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap	24.04	0.62
26 05 29 00-0502	EA		3", One Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap	32.09	0.62
26 05 29 00-0503	EA		3-1/2", One Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap	56.52	0.62
26 05 29 00-0504	EA		4", One Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap	60.05	0.62
26 05 29 00-0505			Two Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Straps (26 05 29 00-0493)		
26 05 29 00-0506	EA		1/2", Two Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap	9.81	1.24
26 05 29 00-0507	EA		3/4", Two Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap	9.85	1.24
26 05 29 00-0508	EA		1", Two Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap	10.09	1.24
26 05 29 00-0509	EA		1-1/4", Two Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap	12.53	1.24
26 05 29 00-0510	EA		1-1/2", Two Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap	12.86	1.24
26 05 29 00-0511	EA		2", Two Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap	14.65	1.24
26 05 29 00-0512	EA		2-1/2", Two Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap	16.40	1.24
26 05 29 00-0513	EA		3", Two Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap	17.11	1.24
26 05 29 00-0514	EA		3-1/2", Two Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap	18.23	1.24
26 05 29 00-0515	EA		4", Two Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap	19.72	1.24
26 05 29 00-0516			Polyvinyl Chloride (PVC) Coated Clamp Back Spacer (26 05 29 00-0462)		
26 05 29 00-0517			Polyvinyl Chloride (PVC) Coated Clamp Back Spacer (26 05 29 00-0516)		
26 05 29 00-0518	EA		1/2" Polyvinyl Chloride (PVC) Coated Clamp Back Spacer	8.96	1.24
26 05 29 00-0519	EA		3/4" Polyvinyl Chloride (PVC) Coated Clamp Back Spacer	10.32	1.24
26 05 29 00-0520	EA		1" Polyvinyl Chloride (PVC) Coated Clamp Back Spacer	12.80	1.24
26 05 29 00-0521	EA		1-1/4" Polyvinyl Chloride (PVC) Coated Clamp Back Spacer	14.87	1.24
26 05 29 00-0522	EA		1-1/2" Polyvinyl Chloride (PVC) Coated Clamp Back Spacer	19.68	1.24
26 05 29 00-0523	EA		2" Polyvinyl Chloride (PVC) Coated Clamp Back Spacer	32.01	1.24
26 05 29 00-0524	EA		2-1/2" Polyvinyl Chloride (PVC) Coated Clamp Back Spacer	47.38	1.24
26 05 29 00-0525	EA		3" Polyvinyl Chloride (PVC) Coated Clamp Back Spacer	64.46	1.24
26 05 29 00-0526	EA		3-1/2" Polyvinyl Chloride (PVC) Coated Clamp Back Spacer	112.33	1.24
26 05 29 00-0527	EA		4" Polyvinyl Chloride (PVC) Coated Clamp Back Spacer	112.33	1.24
26 05 29 00-0528			Polyvinyl Chloride (PVC) Coated Threaded Rod And Accessories (26 05 29 00-0462)		
26 05 29 00-0529			Polyvinyl Chloride (PVC) Coated Threaded Rod (26 05 29 00-0528)		
26 05 29 00-0530	LF		3/8" Diameter, Polyvinyl Chloride (PVC) Coated Threaded Rod	6.13	0.83
26 05 29 00-0531	LF		1/2" Diameter, Polyvinyl Chloride (PVC) Coated Threaded Rod	7.52	0.93
26 05 29 00-0532			Attachments (26 05 29 00-0462)		
26 05 29 00-0533			Polyvinyl Chloride (PVC) Coated U-Bolts And Encapsulation Nuts (26 05 29 00-0532)		
26 05 29 00-0534	EA		1/2" Polyvinyl Chloride (PVC) Coated U-Bolt And Encapsulated Nuts	14.49	6.23
26 05 29 00-0535	EA		3/4" Polyvinyl Chloride (PVC) Coated U-Bolt And Encapsulated Nuts	15.03	6.55
26 05 29 00-0536	EA		1" Polyvinyl Chloride (PVC) Coated U-Bolt And Encapsulated Nuts	15.85	6.96
26 05 29 00-0537	EA		1-1/4" Polyvinyl Chloride (PVC) Coated U-Bolt And Encapsulated Nuts	16.85	7.37
26 05 29 00-0538	EA		1-1/2" Polyvinyl Chloride (PVC) Coated U-Bolt And Encapsulated Nuts	17.93	7.79
26 05 29 00-0539	EA		2" Polyvinyl Chloride (PVC) Coated U-Bolt And Encapsulated Nuts	19.90	8.32
26 05 29 00-0540	EA		2-1/2" Polyvinyl Chloride (PVC) Coated U-Bolt And Encapsulated Nuts	27.07	8.94
26 05 29 00-0541	EA		3" Polyvinyl Chloride (PVC) Coated U-Bolt And Encapsulated Nuts	28.52	9.56



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0542 EA 4" Polyvinyl Chloride (PVC) Coated U-Bolt And Encapsulated Nuts.....	30.49	10.39
26 05 29 00-0543 EA 5" Polyvinyl Chloride (PVC) Coated U-Bolt And Encapsulated Nuts.....	47.00	11.85
26 05 29 00-0544 EA 6" Polyvinyl Chloride (PVC) Coated U-Bolt And Encapsulated Nuts.....	57.74	13.71
26 05 29 00-0545 Polyvinyl Chloride (PVC) Coated Hanger Rod Beam Clamps (26 05 29 00-0532)		
26 05 29 00-0546 EA 1/4", 20 Hole, 15/16" Jaw, Polyvinyl Chloride (PVC) Coated Hanger Rod Beam Clamp.....	49.72	20.55
26 05 29 00-0547 EA 5/16", 18 Hole, 7/8" Jaw, Polyvinyl Chloride (PVC) Coated Hanger Rod Beam Clamp.....	56.31	20.55
26 05 29 00-0548 EA 3/8", 16 Hole, 1" Jaw, Polyvinyl Chloride (PVC) Coated Hanger Rod Beam Clamp.....	59.02	20.55
26 05 29 00-0549 EA 1/2", 13 Hole, 1" Jaw, Polyvinyl Chloride (PVC) Coated Hanger Rod Beam Clamp.....	64.64	21.79
26 05 29 00-0550 EA 1/2", 13 Hole, 2-1/8" Jaw, Polyvinyl Chloride (PVC) Coated Hanger Rod Beam Clamp.....	75.37	24.90
26 05 29 00-0551 Polyvinyl Chloride (PVC) Coated Pipe Straps (26 05 29 00-0532)		
Note: Includes stainless steel nuts and bolts.		
26 05 29 00-0552 EA 1/2" Polyvinyl Chloride (PVC) Coated Pipe Strap.....	17.41	6.85
26 05 29 00-0553 EA 3/4" Polyvinyl Chloride (PVC) Coated Pipe Strap.....	18.46	7.47
26 05 29 00-0554 EA 1" Polyvinyl Chloride (PVC) Coated Pipe Strap.....	20.08	8.09
26 05 29 00-0555 EA 1-1/4" Polyvinyl Chloride (PVC) Coated Pipe Strap.....	22.75	9.34
26 05 29 00-0556 EA 1-1/2" Polyvinyl Chloride (PVC) Coated Pipe Strap.....	25.97	10.58
26 05 29 00-0557 EA 2" Polyvinyl Chloride (PVC) Coated Pipe Strap.....	28.55	11.21
26 05 29 00-0558 EA 2-1/2" Polyvinyl Chloride (PVC) Coated Pipe Strap.....	31.60	12.45
26 05 29 00-0559 EA 3" Polyvinyl Chloride (PVC) Coated Pipe Strap.....	36.96	13.69
26 05 29 00-0560 EA 3-1/2" Polyvinyl Chloride (PVC) Coated Pipe Strap.....	40.03	14.32
26 05 29 00-0561 EA 4" Polyvinyl Chloride (PVC) Coated Pipe Strap.....	42.36	15.57
26 05 29 00-0562 EA 5" Polyvinyl Chloride (PVC) Coated Pipe Strap.....	45.71	17.43
26 05 29 00-0563 Polyvinyl Chloride (PVC) Coated Channel (26 05 29 00-0462)		
26 05 29 00-0564 LF Polyvinyl Chloride (PVC) Coated Channel, A12.....	15.79	3.12
26 05 29 00-0565 LF Polyvinyl Chloride (PVC) Coated Channel, A12A.....	27.30	4.36
26 05 29 00-0566 LF Polyvinyl Chloride (PVC) Coated Channel, A12P.....	16.74	3.12
26 05 29 00-0567 LF Polyvinyl Chloride (PVC) Coated Channel, C14.....	12.87	3.12
26 05 29 00-0568 LF Polyvinyl Chloride (PVC) Coated Channel, C14P.....	13.46	3.12
26 05 29 00-0569 Polymer Concrete Pads (26 05 29)		
Note: Excludes excavation and backfill.		
26 05 29 00-0570 Polymer Concrete, Box Pads (26 05 29 00-0569)		
26 05 29 00-0571 EA 24" x 36", 18" Depth, Polymer Concrete, Box Pad.....	746.98	93.11
26 05 29 00-0572 EA 25" x 25", 24" Depth, Polymer Concrete, Box Pad.....	770.15	93.11
26 05 29 00-0573 EA 40" x 44", 15" Depth, Polymer Concrete, Box Pad.....	983.07	93.11
26 05 29 00-0574 EA 40" x 44", 24" Depth, Polymer Concrete, Box Pad.....	1,018.37	93.11
26 05 29 00-0575 EA 52" x 36", 18" Depth, Polymer Concrete, Box Pad.....	950.20	93.11
26 05 29 00-0576 EA 44" x 44", 32" Depth, Polymer Concrete, Box Pad.....	1,116.92	93.11
26 05 29 00-0577 EA 40" x 58", 24" Depth, Polymer Concrete, Box Pad.....	1,244.76	93.11
26 05 29 00-0578 EA 52" x 50", 18" Depth, Polymer Concrete, Box Pad.....	1,207.71	116.39
26 05 29 00-0579 EA 74" x 76", 36" Depth, Polymer Concrete, Box Pad.....	1,805.00	116.39
26 05 29 00-0580 EA 93" x 93", 36" Depth, Polymer Concrete, Box Pad.....	2,405.25	116.39
26 05 29 00-0581 Polymer Concrete, Telecommunications Equipment Pads (26 05 29 00-0569)		
26 05 29 00-0582 EA 42" x 42", 3" Thick, Polymer Concrete, Telecommunications Equipment Pad.....	370.35	54.11
26 05 29 00-0583 EA 48" x 46", 3" Thick, Polymer Concrete, Telecommunications Equipment Pad.....	433.65	54.11
26 05 29 00-0584 EA 60" x 42", 3" Thick, Polymer Concrete, Telecommunications Equipment Pad.....	554.63	69.84
26 05 29 00-0585 EA 54" x 48", 4" Thick, Polymer Concrete, Telecommunications Equipment Pad.....	578.16	69.84
26 05 29 00-0586 EA 57" x 60", 4" Thick, Polymer Concrete, Telecommunications Equipment Pad.....	817.63	69.84
26 05 29 00-0587 EA 72" x 60", 4" Thick, Polymer Concrete, Telecommunications Equipment Pad.....	850.92	69.84
26 05 29 00-0588 EA 64" x 72", 4" Thick, Polymer Concrete, Telecommunications Equipment Pad.....	912.94	69.84
26 05 29 00-0589 EA 72" x 64", 4" Thick, Polymer Concrete, Telecommunications Equipment Pad.....	912.94	69.84
26 05 29 00-0590 EA 76" x 84", 4" Thick, Polymer Concrete, Telecommunications Equipment Pad.....	1,692.08	69.84
26 05 29 00-0591 EA 96" x 84", 4" Thick, Polymer Concrete, Telecommunications Equipment Pad.....	1,914.39	69.84
26 05 29 00-0592 Polymer Concrete, Electrical Equipment Pads (26 05 29 00-0569)		
26 05 29 00-0593 EA 24" x 25", 2" Thick, Polymer Concrete, Electrical Equipment Pad.....	236.29	54.11
26 05 29 00-0594 EA 24" x 36", 2" Thick, Polymer Concrete, Electrical Equipment Pad.....	252.57	54.11
26 05 29 00-0595 EA 24" x 44", 2" Thick, Polymer Concrete, Electrical Equipment Pad.....	267.39	54.11
26 05 29 00-0596 EA 24" x 58", 2" Thick, Polymer Concrete, Electrical Equipment Pad.....	316.63	54.11
26 05 29 00-0597 EA 40" x 40", 3" Thick, Polymer Concrete, Electrical Equipment Pad.....	294.65	54.11
26 05 29 00-0598 EA 42" x 42", 3" Thick, Polymer Concrete, Electrical Equipment Pad.....	305.01	54.11
26 05 29 00-0599 EA 48" x 42", 4" Thick, Polymer Concrete, Electrical Equipment Pad.....	331.85	54.11
26 05 29 00-0600 EA 48" x 46", 3" Thick, Polymer Concrete, Electrical Equipment Pad.....	347.50	54.11
26 05 29 00-0601 EA 54" x 48", 4" Thick, Polymer Concrete, Electrical Equipment Pad.....	399.80	54.11
26 05 29 00-0602 EA 56" x 44", 3" Thick, Polymer Concrete, Electrical Equipment Pad.....	485.93	54.11
26 05 29 00-0603 EA 64" x 64", 4" Thick, Polymer Concrete, Electrical Equipment Pad.....	702.26	69.84
26 05 29 00-0604 EA 66" x 72", 4" Thick, Polymer Concrete, Electrical Equipment Pad.....	733.74	69.84
26 05 29 00-0605 EA 75" x 52", 4" Thick, Polymer Concrete, Electrical Equipment Pad.....	743.68	69.84
26 05 29 00-0606 EA 90" x 48", 4" Thick, Polymer Concrete, Electrical Equipment Pad.....	809.86	69.84
26 05 29 00-0607 EA 84" x 96", 4" Thick, Polymer Concrete, Electrical Equipment Pad.....	1,695.06	69.84

26 Electrical**26 05 Common Work Results For Electrical****26 05 29 Hangers And Supports For Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0608	EA		96" x 80", 4" Thick, Polymer Concrete, Electrical Equipment Pad	1,991.56	69.84
26 05 33 Raceway And Boxes For Electrical Systems <small>(26 05)</small>					
26 05 33 13 Conduit For Electrical Systems <small>(26 05 33)</small>					
26 05 33 13-0001			Conduit Assemblies <small>(26 05 33 13)</small> Note: With fittings and wire.		
26 05 33 13-0002			Electrical Metallic Tubing (EMT) Conduit Assemblies <small>(26 05 33 13-0001)</small> Note: Includes conduit, set screw connectors, set screw couplings, straps, and wire as indicated. Per CLF.		
26 05 33 13-0003	CLF		1/2" Electrical Metallic Tubing (EMT) With 3 #12 THHN/THWN Assembly	660.63	312.17
			Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.		
			<i>For Work In Restricted Working Space, Add</i>	187.30	
26 05 33 13-0004	CLF		1/2" Electrical Metallic Tubing (EMT) With 4 #12 THHN/THWN Assembly	722.95	341.11
			Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.		
			<i>For Work In Restricted Working Space, Add</i>	204.65	
26 05 33 13-0005	CLF		1/2" Electrical Metallic Tubing (EMT) With 3 #10 THHN/THWN Assembly	697.03	326.50
			Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.		
			<i>For Work In Restricted Working Space, Add</i>	195.88	
26 05 33 13-0006	CLF		1/2" Electrical Metallic Tubing (EMT) With 4 #10 THHN/THWN Assembly	772.31	360.55
			Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.		
			<i>For Work In Restricted Working Space, Add</i>	216.33	
26 05 33 13-0007	CLF		3/4" Electrical Metallic Tubing (EMT) With 3 #12 THHN/THWN Assembly	757.95	355.90
			Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.		
			<i>For Work In Restricted Working Space, Add</i>	213.54	
26 05 33 13-0008	CLF		3/4" Electrical Metallic Tubing (EMT) With 4 #12 THHN/THWN Assembly	821.08	385.03
			Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.		
			<i>For Work In Restricted Working Space, Add</i>	231.03	
26 05 33 13-0009	CLF		3/4" Electrical Metallic Tubing (EMT) With 5 #12 THHN/THWN Assembly	883.27	413.86
			Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.		
			<i>For Work In Restricted Working Space, Add</i>	248.33	
26 05 33 13-0010	CLF		3/4" Electrical Metallic Tubing (EMT) With 6 #12 THHN/THWN Assembly	945.84	442.89
			Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.		
			<i>For Work In Restricted Working Space, Add</i>	265.75	
26 05 33 13-0011	CLF		3/4" Electrical Metallic Tubing (EMT) With 3 #10 THHN/THWN Assembly	794.71	370.23
			Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.		
			<i>For Work In Restricted Working Space, Add</i>	222.13	
26 05 33 13-0012	CLF		3/4" Electrical Metallic Tubing (EMT) With 4 #10 THHN/THWN Assembly	869.50	404.09
			Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.		
			<i>For Work In Restricted Working Space, Add</i>	242.43	
26 05 33 13-0013	CLF		3/4" Electrical Metallic Tubing (EMT) With 5 #10 THHN/THWN Assembly	943.82	437.67
			Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.		
			<i>For Work In Restricted Working Space, Add</i>	262.60	
26 05 33 13-0014	CLF		3/4" Electrical Metallic Tubing (EMT) With 6 #10 THHN/THWN Assembly	1,018.11	471.25
			Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.		
			<i>For Work In Restricted Working Space, Add</i>	282.75	
26 05 33 13-0015	CLF		1" Electrical Metallic Tubing (EMT) With 3 #12 THHN/THWN Assembly	925.08	429.13
			Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.		
			<i>For Work In Restricted Working Space, Add</i>	257.50	
26 05 33 13-0016	CLF		1" Electrical Metallic Tubing (EMT) With 4 #12 THHN/THWN Assembly	986.45	457.59
			Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.		
			<i>For Work In Restricted Working Space, Add</i>	274.56	
26 05 33 13-0017	CLF		1" Electrical Metallic Tubing (EMT) With 5 #12 THHN/THWN Assembly	1,044.91	486.62
			Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.		
			<i>For Work In Restricted Working Space, Add</i>	292.10	
26 05 33 13-0018	CLF		1" Electrical Metallic Tubing (EMT) With 6 #12 THHN/THWN Assembly	1,110.66	515.65
			Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.		
			<i>For Work In Restricted Working Space, Add</i>	309.11	
26 05 33 13-0019	CLF		1" Electrical Metallic Tubing (EMT) With 3 #10 THHN/THWN Assembly	960.40	442.89
			Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.		
			<i>For Work In Restricted Working Space, Add</i>	265.75	
26 05 33 13-0020	CLF		1" Electrical Metallic Tubing (EMT) With 4 #10 THHN/THWN Assembly	1,034.34	476.38
			Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.		
			<i>For Work In Restricted Working Space, Add</i>	285.80	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0021 CLF 1" Electrical Metallic Tubing (EMT) With 5 #10 THHN/THWN Assembly.....	1,109.65	510.52
Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.		
<i>For Work In Restricted Working Space, Add</i>	306.26	
26 05 33 13-0022 CLF 1" Electrical Metallic Tubing (EMT) With 6 #10 THHN/THWN Assembly.....	1,185.40	543.82
Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.		
<i>For Work In Restricted Working Space, Add</i>	326.63	
26 05 33 13-0023 Rigid Galvanized Steel (RGS) Conduit Assemblies <small>(26 05 33 13-0001)</small>		
Note: Includes conduit, terminations, straps, and wire as indicated. Per CLF.		
26 05 33 13-0024 CLF 1/2" Rigid Galvanized Steel (RGS) With 3 #12 THHN/THWN Wire Assembly.....	768.45	348.60
Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available.		
<i>For Work In Restricted Working Space, Add</i>	209.16	
26 05 33 13-0025 CLF 1/2" Rigid Galvanized Steel (RGS) With 4 #12 THHN/THWN Wire Assembly.....	831.35	377.82
Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available.		
<i>For Work In Restricted Working Space, Add</i>	226.68	
26 05 33 13-0026 CLF 1/2" Rigid Galvanized Steel (RGS) With 3 #10 THHN/THWN Wire Assembly.....	804.88	362.92
Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available.		
<i>For Work In Restricted Working Space, Add</i>	217.75	
26 05 33 13-0027 CLF 1/2" Rigid Galvanized Steel (RGS) With 4 #10 THHN/THWN Wire Assembly.....	878.33	396.12
Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available.		
<i>For Work In Restricted Working Space, Add</i>	237.65	
26 05 33 13-0028 CLF 3/4" Rigid Galvanized Steel (RGS) With 3 #12 THHN/THWN Wire Assembly.....	874.07	394.70
Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available.		
<i>For Work In Restricted Working Space, Add</i>	236.81	
26 05 33 13-0029 CLF 3/4" Rigid Galvanized Steel (RGS) With 4 #12 THHN/THWN Wire Assembly.....	1,089.31	500.09
Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available.		
<i>For Work In Restricted Working Space, Add</i>	300.02	
26 05 33 13-0030 CLF 3/4" Rigid Galvanized Steel (RGS) With 5 #12 THHN/THWN Wire Assembly.....	997.70	452.00
Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available.		
<i>For Work In Restricted Working Space, Add</i>	271.19	
26 05 33 13-0031 CLF 3/4" Rigid Galvanized Steel (RGS) With 3 #10 THHN/THWN Wire Assembly.....	909.60	408.84
Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available.		
<i>For Work In Restricted Working Space, Add</i>	245.12	
26 05 33 13-0032 CLF 3/4" Rigid Galvanized Steel (RGS) With 4 #10 THHN/THWN Wire Assembly.....	983.71	442.51
Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available.		
<i>For Work In Restricted Working Space, Add</i>	265.22	
26 05 33 13-0033 CLF 3/4" Rigid Galvanized Steel (RGS) With 5 #10 THHN/THWN Wire Assembly.....	1,059.42	476.09
Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available.		
<i>For Work In Restricted Working Space, Add</i>	285.80	
26 05 33 13-0034 CLF 1" Rigid Galvanized Steel (RGS) With 4 #12 THHN/THWN Wire Assembly.....	1,108.85	494.20
Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available.		
<i>For Work In Restricted Working Space, Add</i>	296.67	
26 05 33 13-0035 CLF 1" Rigid Galvanized Steel (RGS) With 5 #12 THHN/THWN Wire Assembly.....	1,169.45	523.13
Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available.		
<i>For Work In Restricted Working Space, Add</i>	313.50	
26 05 33 13-0036 CLF 1" Rigid Galvanized Steel (RGS) With 6 #12 THHN/THWN Wire Assembly.....	1,234.06	551.97
Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available.		
<i>For Work In Restricted Working Space, Add</i>	331.53	
26 05 33 13-0037 CLF 1" Rigid Galvanized Steel (RGS) With 4 #10 THHN/THWN Wire Assembly.....	1,155.97	513.17
Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available.		
<i>For Work In Restricted Working Space, Add</i>	307.68	
26 05 33 13-0038 CLF 1" Rigid Galvanized Steel (RGS) With 5 #10 THHN/THWN Wire Assembly.....	1,231.62	546.76
Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available.		
<i>For Work In Restricted Working Space, Add</i>	328.25	
26 05 33 13-0039 CLF 1" Rigid Galvanized Steel (RGS) With 6 #10 THHN/THWN Wire Assembly.....	1,304.78	580.43
Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available.		
<i>For Work In Restricted Working Space, Add</i>	348.06	
26 05 33 13-0040 Conduit <small>(26 05 33 13)</small>		
Note: Includes warning tape for underground conduits. Where 4-1/2" conduit is required, use tasks for 5" conduit. Add couplings as required at each fitting.		
26 05 33 13-0041 Conduit Installed Above Grade <small>(26 05 33 13-0040)</small>		
See CSI section 26 05 29 00-0000 for supporting strap, hanger and fastening.		
26 05 33 13-0042 Rigid Galvanized Steel (RGS) Conduit <small>(26 05 33 13-0041)</small>		
Note: Exposed installation, branch and feeder conduit. Excludes supporting strap, hanger and fastening.		
26 05 33 13-0043 Rigid Galvanized Steel (RGS) Conduit With Threaded Coupling <small>(26 05 33 13-0042)</small>		
Note: Includes field bending for conduit up to 1".		
26 05 33 13-0044 LF 1/2" Rigid Galvanized Steel (RGS) Conduit With Threaded Coupling.....	6.40	2.08
<i>For >250 To 500, Deduct</i>	-0.06	
<i>For >500 To 1,000, Deduct</i>	-0.35	
<i>For >1,000, Deduct</i>	-0.51	
<i>For Installation In Metal Stud Wall, Add</i>	0.52	
<i>For Installation In Wood Stud Wall (Includes Drilling), Add</i>	1.31	
<i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i>	0.78	
<i>For Work In Restricted Working Space, Add</i>	1.57	
<i>For Installation Above 14', Add</i>	0.78	

26 Electrical**26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0045 LF 3/4" Rigid Galvanized Steel (RGS) Conduit With Threaded Coupling	7.14	2.27
For >250 To 500, Deduct	-0.07	
For >500 To 1,000, Deduct	-0.39	
For >1,000, Deduct	-0.57	
For Installation In Metal Stud Wall, Add	0.57	
For Installation In Wood Stud Wall (Includes Drilling), Add	1.42	
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	0.85	
For Work In Restricted Working Space, Add	1.71	
For Installation Above 14', Add	0.85	
26 05 33 13-0046 LF 1" Rigid Galvanized Steel (RGS) Conduit With Threaded Coupling	8.89	2.66
For >250 To 500, Deduct	-0.11	
For >500 To 1,000, Deduct	-0.50	
For >1,000, Deduct	-0.72	
For Installation In Metal Stud Wall, Add	0.66	
For Installation In Wood Stud Wall (Includes Drilling), Add	1.66	
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	1.00	
For Work In Restricted Working Space, Add	1.99	
For Installation Above 14', Add	1.00	
26 05 33 13-0047 LF 1-1/4" Rigid Galvanized Steel (RGS) Conduit With Threaded Coupling	10.58	3.04
For >250 To 500, Deduct	-0.15	
For >500 To 1,000, Deduct	-0.60	
For >1,000, Deduct	-0.87	
For Installation In Metal Stud Wall, Add	0.76	
For Installation In Wood Stud Wall (Includes Drilling), Add	1.90	
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	1.14	
For Work In Restricted Working Space, Add	2.28	
For Installation Above 14', Add	1.14	
26 05 33 13-0048 LF 1-1/2" Rigid Galvanized Steel (RGS) Conduit With Threaded Coupling	12.21	3.42
For >250 To 500, Deduct	-0.18	
For >500 To 1,000, Deduct	-0.70	
For >1,000, Deduct	-1.01	
For Installation In Metal Stud Wall, Add	0.85	
For Installation In Wood Stud Wall (Includes Drilling), Add	2.14	
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	1.28	
For Work In Restricted Working Space, Add	2.56	
For Installation Above 14', Add	1.28	
26 05 33 13-0049 LF 2" Rigid Galvanized Steel (RGS) Conduit With Threaded Coupling	15.33	4.18
For >250 To 500, Deduct	-0.25	
For >500 To 1,000, Deduct	-0.89	
For >1,000, Deduct	-1.27	
For Installation In Metal Stud Wall, Add	1.04	
For Installation In Wood Stud Wall (Includes Drilling), Add	2.61	
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	1.56	
For Work In Restricted Working Space, Add	3.13	
For Installation Above 14', Add	1.56	
26 05 33 13-0050 LF 2-1/2" Rigid Galvanized Steel (RGS) Conduit With Threaded Coupling	22.36	5.69
For >250 To 500, Deduct	-0.41	
For >500 To 1,000, Deduct	-1.32	
For >1,000, Deduct	-1.88	
For Installation In Metal Stud Wall, Add	1.42	
For Installation In Wood Stud Wall (Includes Drilling), Add	3.56	
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	2.13	
For Work In Restricted Working Space, Add	4.27	
For Installation Above 14', Add	2.13	
26 05 33 13-0051 LF 3" Rigid Galvanized Steel (RGS) Conduit With Threaded Coupling	29.31	7.59
For >250 To 500, Deduct	-0.52	
For >500 To 1,000, Deduct	-1.72	
For >1,000, Deduct	-2.46	
For Installation In Metal Stud Wall, Add	1.90	
For Installation In Wood Stud Wall (Includes Drilling), Add	4.74	
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	2.85	
For Work In Restricted Working Space, Add	5.69	
For Installation Above 14', Add	2.85	
26 05 33 13-0052 LF 3-1/2" Rigid Galvanized Steel (RGS) Conduit With Threaded Coupling	36.34	9.49
For >250 To 500, Deduct	-0.63	
For >500 To 1,000, Deduct	-2.13	
For >1,000, Deduct	-3.04	
For Installation In Metal Stud Wall, Add	2.37	
For Installation In Wood Stud Wall (Includes Drilling), Add	5.93	
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	3.56	
For Work In Restricted Working Space, Add	7.12	
For Installation Above 14', Add	3.56	
26 05 33 13-0053 LF 4" Rigid Galvanized Steel (RGS) Conduit With Threaded Coupling	43.14	11.38
For >250 To 500, Deduct	-0.73	
For >500 To 1,000, Deduct	-2.52	
For >1,000, Deduct	-3.60	
For Installation In Metal Stud Wall, Add	2.85	
For Installation In Wood Stud Wall (Includes Drilling), Add	7.12	
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	4.27	
For Work In Restricted Working Space, Add	8.54	
For Installation Above 14', Add	4.27	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0054 LF 5" Rigid Galvanized Steel (RGS) Conduit With Threaded Coupling	65.80	14.42
For >250 To 500, Deduct	-1.49	
For >500 To 1,000, Deduct	-4.03	
For >1,000, Deduct	-5.68	
For Installation In Metal Stud Wall, Add	3.60	
For Installation In Wood Stud Wall (Includes Drilling), Add	9.01	
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	5.41	
For Work In Restricted Working Space, Add	10.81	
For Installation Above 14', Add	5.41	
26 05 33 13-0055 LF 6" Rigid Galvanized Steel (RGS) Conduit With Threaded Coupling	87.35	18.22
For >250 To 500, Deduct	-2.09	
For >500 To 1,000, Deduct	-5.41	
For >1,000, Deduct	-7.60	
For Installation In Metal Stud Wall, Add	4.65	
For Installation In Wood Stud Wall (Includes Drilling), Add	11.38	
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	6.83	
For Work In Restricted Working Space, Add	13.66	
For Installation Above 14', Add	6.83	
26 05 33 13-0056 Rigid Galvanized Steel (RGS) 90 Degree Standard Radius Elbow <small>(26 05 33 13-0042)</small>		
See CSI section 26 05 33 13-2183 for conduit field bending.		
26 05 33 13-0057 EA 1/2" Rigid Galvanized Steel (RGS) 90 Degree Standard Radius Elbow	27.45	9.39
For Work In Restricted Working Space, Add	7.07	
For Installation Above 14', Add	3.53	
26 05 33 13-0058 EA 3/4" Rigid Galvanized Steel (RGS) 90 Degree Standard Radius Elbow	34.43	11.66
For Work In Restricted Working Space, Add	8.78	
For Installation Above 14', Add	4.39	
26 05 33 13-0059 EA 1" Rigid Galvanized Steel (RGS) 90 Degree Standard Radius Elbow	43.63	14.32
For Work In Restricted Working Space, Add	10.71	
For Installation Above 14', Add	5.36	
26 05 33 13-0060 EA 1-1/4" Rigid Galvanized Steel (RGS) 90 Degree Standard Radius Elbow	55.02	16.60
For Work In Restricted Working Space, Add	12.44	
For Installation Above 14', Add	6.22	
26 05 33 13-0061 EA 1-1/2" Rigid Galvanized Steel (RGS) 90 Degree Standard Radius Elbow	63.75	19.07
For Work In Restricted Working Space, Add	14.28	
For Installation Above 14', Add	7.14	
26 05 33 13-0062 EA 2" Rigid Galvanized Steel (RGS) 90 Degree Standard Radius Elbow	74.56	20.96
For Work In Restricted Working Space, Add	15.71	
For Installation Above 14', Add	7.85	
26 05 33 13-0063 EA 2-1/2" Rigid Galvanized Steel (RGS) 90 Degree Standard Radius Elbow	105.02	26.18
For Work In Restricted Working Space, Add	19.63	
For Installation Above 14', Add	9.82	
26 05 33 13-0064 EA 3" Rigid Galvanized Steel (RGS) 90 Degree Standard Radius Elbow	148.08	35.66
For Work In Restricted Working Space, Add	26.75	
For Installation Above 14', Add	13.37	
26 05 33 13-0065 EA 3-1/2" Rigid Galvanized Steel (RGS) 90 Degree Standard Radius Elbow	192.69	40.22
For Work In Restricted Working Space, Add	30.17	
For Installation Above 14', Add	15.08	
26 05 33 13-0066 EA 4" Rigid Galvanized Steel (RGS) 90 Degree Standard Radius Elbow	237.05	52.36
For Work In Restricted Working Space, Add	39.26	
For Installation Above 14', Add	19.63	
26 05 33 13-0067 EA 5" Rigid Galvanized Steel (RGS) 90 Degree Standard Radius Elbow	387.64	85.38
For Work In Restricted Working Space, Add	64.03	
For Installation Above 14', Add	32.02	
26 05 33 13-0068 EA 6" Rigid Galvanized Steel (RGS) 90 Degree Standard Radius Elbow	582.72	128.24
For Work In Restricted Working Space, Add	96.18	
For Installation Above 14', Add	48.09	
26 05 33 13-0069 Rigid Galvanized Steel (RGS) 45 Degree Standard Radius Elbow <small>(26 05 33 13-0042)</small>		
See CSI section 26 05 33 13-2183 for conduit field bending.		
26 05 33 13-0070 EA 1/2" Rigid Galvanized Steel (RGS) 45 Degree Standard Radius Elbow	27.45	9.39
For Work In Restricted Working Space, Add	7.07	
For Installation Above 14', Add	3.53	
26 05 33 13-0071 EA 3/4" Rigid Galvanized Steel (RGS) 45 Degree Standard Radius Elbow	34.43	11.66
For Work In Restricted Working Space, Add	8.78	
For Installation Above 14', Add	4.39	
26 05 33 13-0072 EA 1" Rigid Galvanized Steel (RGS) 45 Degree Standard Radius Elbow	43.63	14.32
For Work In Restricted Working Space, Add	10.71	
For Installation Above 14', Add	5.36	
26 05 33 13-0073 EA 1-1/4" Rigid Galvanized Steel (RGS) 45 Degree Standard Radius Elbow	55.02	16.60
For Work In Restricted Working Space, Add	12.44	
For Installation Above 14', Add	6.22	
26 05 33 13-0074 EA 1-1/2" Rigid Galvanized Steel (RGS) 45 Degree Standard Radius Elbow	63.75	19.07
For Work In Restricted Working Space, Add	14.28	
For Installation Above 14', Add	7.14	
26 05 33 13-0075 EA 2" Rigid Galvanized Steel (RGS) 45 Degree Standard Radius Elbow	74.56	20.96
For Work In Restricted Working Space, Add	15.71	
For Installation Above 14', Add	7.85	
26 05 33 13-0076 EA 2-1/2" Rigid Galvanized Steel (RGS) 45 Degree Standard Radius Elbow	103.41	26.18
For Work In Restricted Working Space, Add	19.63	
For Installation Above 14', Add	9.82	
26 05 33 13-0077 EA 3" Rigid Galvanized Steel (RGS) 45 Degree Standard Radius Elbow	141.82	35.66
For Work In Restricted Working Space, Add	26.75	
For Installation Above 14', Add	13.37	

26 Electrical**26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0078 EA 3-1/2" Rigid Galvanized Steel (RGS) 45 Degree Standard Radius Elbow	183.88	40.22
For Work In Restricted Working Space, Add	30.17	
For Installation Above 14', Add	15.08	
26 05 33 13-0079 EA 4" Rigid Galvanized Steel (RGS) 45 Degree Standard Radius Elbow	225.34	52.36
For Work In Restricted Working Space, Add	39.26	
For Installation Above 14', Add	19.63	
26 05 33 13-0080 EA 5" Rigid Galvanized Steel (RGS) 45 Degree Standard Radius Elbow	387.64	85.38
For Work In Restricted Working Space, Add	64.03	
For Installation Above 14', Add	32.02	
26 05 33 13-0081 EA 6" Rigid Galvanized Steel (RGS) 45 Degree Standard Radius Elbow	582.72	128.24
For Work In Restricted Working Space, Add	96.18	
For Installation Above 14', Add	48.09	
26 05 33 13-0082 Rigid Galvanized Steel (RGS) 12" Large Radius Elbow (26 05 33 13-0042)		
See CSI section 26 05 33 13-2183 for conduit field bending.		
26 05 33 13-0083 EA 1" Rigid Galvanized Steel (RGS) 12" Large Radius Elbow	65.73	23.43
For Work In Restricted Working Space, Add	14.06	
For Installation Above 14', Add	7.03	
26 05 33 13-0084 EA 1-1/4" Rigid Galvanized Steel (RGS) 12" Large Radius Elbow	75.79	27.13
For Work In Restricted Working Space, Add	16.28	
For Installation Above 14', Add	8.14	
26 05 33 13-0085 EA 1-1/2" Rigid Galvanized Steel (RGS) 12" Large Radius Elbow	87.46	30.83
For Work In Restricted Working Space, Add	18.50	
For Installation Above 14', Add	9.25	
26 05 33 13-0086 EA 2" Rigid Galvanized Steel (RGS) 12" Large Radius Elbow	98.21	33.91
For Work In Restricted Working Space, Add	20.35	
For Installation Above 14', Add	10.17	
26 05 33 13-0087 Rigid Galvanized Steel (RGS) 15" Large Radius Elbow (26 05 33 13-0042)		
See CSI section 26 05 33 13-2183 for conduit field bending.		
26 05 33 13-0088 EA 1" Rigid Galvanized Steel (RGS) 15" Large Radius Elbow	70.62	23.43
For Work In Restricted Working Space, Add	14.06	
For Installation Above 14', Add	7.03	
26 05 33 13-0089 EA 1-1/4" Rigid Galvanized Steel (RGS) 15" Large Radius Elbow	82.08	27.13
For Work In Restricted Working Space, Add	16.28	
For Installation Above 14', Add	8.14	
26 05 33 13-0090 EA 1-1/2" Rigid Galvanized Steel (RGS) 15" Large Radius Elbow	90.32	30.83
For Work In Restricted Working Space, Add	18.50	
For Installation Above 14', Add	9.25	
26 05 33 13-0091 EA 2" Rigid Galvanized Steel (RGS) 15" Large Radius Elbow	101.42	33.91
For Work In Restricted Working Space, Add	20.35	
For Installation Above 14', Add	10.17	
26 05 33 13-0092 EA 2-1/2" Rigid Galvanized Steel (RGS) 15" Large Radius Elbow	133.84	42.55
For Work In Restricted Working Space, Add	25.52	
For Installation Above 14', Add	12.76	
26 05 33 13-0093 EA 3" Rigid Galvanized Steel (RGS) 15" Large Radius Elbow	180.40	57.96
For Work In Restricted Working Space, Add	34.78	
For Installation Above 14', Add	17.39	
26 05 33 13-0094 Rigid Galvanized Steel (RGS) 18" Large Radius Elbow (26 05 33 13-0042)		
See CSI section 26 05 33 13-2183 for conduit field bending.		
26 05 33 13-0095 EA 1" Rigid Galvanized Steel (RGS) 18" Large Radius Elbow	70.85	23.43
For Work In Restricted Working Space, Add	14.06	
For Installation Above 14', Add	7.03	
26 05 33 13-0096 EA 1-1/4" Rigid Galvanized Steel (RGS) 18" Large Radius Elbow	81.46	27.13
For Work In Restricted Working Space, Add	16.28	
For Installation Above 14', Add	8.14	
26 05 33 13-0097 EA 1-1/2" Rigid Galvanized Steel (RGS) 18" Large Radius Elbow	93.42	30.83
For Work In Restricted Working Space, Add	18.50	
For Installation Above 14', Add	9.25	
26 05 33 13-0098 EA 2" Rigid Galvanized Steel (RGS) 18" Large Radius Elbow	108.35	33.91
For Work In Restricted Working Space, Add	20.35	
For Installation Above 14', Add	10.17	
26 05 33 13-0099 EA 2-1/2" Rigid Galvanized Steel (RGS) 18" Large Radius Elbow	140.29	42.55
For Work In Restricted Working Space, Add	25.52	
For Installation Above 14', Add	12.76	
26 05 33 13-0100 EA 3" Rigid Galvanized Steel (RGS) 18" Large Radius Elbow	185.61	57.96
For Work In Restricted Working Space, Add	34.78	
For Installation Above 14', Add	17.39	
26 05 33 13-0101 EA 3-1/2" Rigid Galvanized Steel (RGS) 18" Large Radius Elbow	229.23	65.35
For Work In Restricted Working Space, Add	39.22	
For Installation Above 14', Add	19.61	
26 05 33 13-0102 EA 4" Rigid Galvanized Steel (RGS) 18" Large Radius Elbow	280.25	85.08
For Work In Restricted Working Space, Add	51.05	
For Installation Above 14', Add	25.53	
26 05 33 13-0103 Rigid Galvanized Steel (RGS) 24" Large Radius Elbow (26 05 33 13-0042)		
See CSI section 26 05 33 13-2183 for conduit field bending.		
26 05 33 13-0104 EA 1" Rigid Galvanized Steel (RGS) 24" Large Radius Elbow	78.65	23.43
For Work In Restricted Working Space, Add	14.06	
For Installation Above 14', Add	7.03	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0105 EA 1-1/4" Rigid Galvanized Steel (RGS) 24" Large Radius Elbow..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	89.12 16.28 8.14	27.13
26 05 33 13-0106 EA 1-1/2" Rigid Galvanized Steel (RGS) 24" Large Radius Elbow..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	99.15 18.50 9.25	30.83
26 05 33 13-0107 EA 2" Rigid Galvanized Steel (RGS) 24" Large Radius Elbow..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	116.80 20.35 10.17	33.91
26 05 33 13-0108 EA 2-1/2" Rigid Galvanized Steel (RGS) 24" Large Radius Elbow..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	151.82 25.52 12.76	42.55
26 05 33 13-0109 EA 3" Rigid Galvanized Steel (RGS) 24" Large Radius Elbow..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	203.68 34.78 17.39	57.96
26 05 33 13-0110 EA 3-1/2" Rigid Galvanized Steel (RGS) 24" Large Radius Elbow..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	246.80 39.22 19.61	65.35
26 05 33 13-0111 EA 4" Rigid Galvanized Steel (RGS) 24" Large Radius Elbow..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	294.26 51.05 25.53	85.08
26 05 33 13-0112 Rigid Galvanized Steel (RGS) 30" Large Radius Elbow <small>(26 05 33 13-0042)</small> See CSI section 26 05 33 13-2183 for conduit field bending.		
26 05 33 13-0113 EA 1" Rigid Galvanized Steel (RGS) 30" Large Radius Elbow..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	78.18 14.06 7.03	23.43
26 05 33 13-0114 EA 1-1/4" Rigid Galvanized Steel (RGS) 30" Large Radius Elbow..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	94.81 16.28 8.14	27.13
26 05 33 13-0115 EA 1-1/2" Rigid Galvanized Steel (RGS) 30" Large Radius Elbow..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	105.31 18.50 9.25	30.83
26 05 33 13-0116 EA 2" Rigid Galvanized Steel (RGS) 30" Large Radius Elbow..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	124.85 20.35 10.17	33.91
26 05 33 13-0117 EA 2-1/2" Rigid Galvanized Steel (RGS) 30" Large Radius Elbow..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	162.88 25.52 12.76	42.55
26 05 33 13-0118 EA 3" Rigid Galvanized Steel (RGS) 30" Large Radius Elbow..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	217.95 34.78 17.39	57.96
26 05 33 13-0119 EA 3-1/2" Rigid Galvanized Steel (RGS) 30" Large Radius Elbow..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	264.16 39.22 19.61	65.35
26 05 33 13-0120 EA 4" Rigid Galvanized Steel (RGS) 30" Large Radius Elbow..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	319.96 51.05 25.53	85.08
26 05 33 13-0121 EA 5" Rigid Galvanized Steel (RGS) 30" Large Radius Elbow..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	469.84 83.24 41.62	138.72
26 05 33 13-0122 Rigid Galvanized Steel (RGS) 36" Large Radius Elbow <small>(26 05 33 13-0042)</small> See CSI section 26 05 33 13-2183 for conduit field bending.		
26 05 33 13-0123 EA 1" Rigid Galvanized Steel (RGS) 36" Large Radius Elbow..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	82.35 14.06 7.03	23.43
26 05 33 13-0124 EA 1-1/4" Rigid Galvanized Steel (RGS) 36" Large Radius Elbow..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	97.61 16.28 8.14	27.13
26 05 33 13-0125 EA 1-1/2" Rigid Galvanized Steel (RGS) 36" Large Radius Elbow..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	116.11 18.50 9.25	30.83
26 05 33 13-0126 EA 2" Rigid Galvanized Steel (RGS) 36" Large Radius Elbow..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	131.14 20.35 10.17	33.91
26 05 33 13-0127 EA 2-1/2" Rigid Galvanized Steel (RGS) 36" Large Radius Elbow..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	175.99 25.52 12.76	42.55
26 05 33 13-0128 EA 3" Rigid Galvanized Steel (RGS) 36" Large Radius Elbow..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	230.15 34.78 17.39	57.96
26 05 33 13-0129 EA 3-1/2" Rigid Galvanized Steel (RGS) 36" Large Radius Elbow..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	286.59 39.22 19.61	65.35
26 05 33 13-0130 EA 4" Rigid Galvanized Steel (RGS) 36" Large Radius Elbow..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	332.05 51.05 25.53	85.08
26 05 33 13-0131 EA 5" Rigid Galvanized Steel (RGS) 36" Large Radius Elbow..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	568.50 83.24 41.62	138.72

26 Electrical**26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0132 EA 6" Rigid Galvanized Steel (RGS) 36" Large Radius Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	736.56 125.04 62.52	208.40
26 05 33 13-0133 Rigid Galvanized Steel (RGS) 42" Large Radius Elbow (26 05 33 13-0042) See CSI section 26 05 33 13-2183 for conduit field bending.		
26 05 33 13-0134 EA 1" Rigid Galvanized Steel (RGS) 42" Large Radius Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	88.45 14.06 7.03	23.43
26 05 33 13-0135 EA 1-1/4" Rigid Galvanized Steel (RGS) 42" Large Radius Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	105.06 16.28 8.14	27.13
26 05 33 13-0136 EA 1-1/2" Rigid Galvanized Steel (RGS) 42" Large Radius Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	124.03 18.50 9.25	30.83
26 05 33 13-0137 EA 2" Rigid Galvanized Steel (RGS) 42" Large Radius Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	139.42 20.35 10.17	33.91
26 05 33 13-0138 EA 2-1/2" Rigid Galvanized Steel (RGS) 42" Large Radius Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	186.02 25.52 12.76	42.55
26 05 33 13-0139 EA 3" Rigid Galvanized Steel (RGS) 42" Large Radius Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	248.03 34.78 17.39	57.96
26 05 33 13-0140 EA 3-1/2" Rigid Galvanized Steel (RGS) 42" Large Radius Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	304.52 39.22 19.61	65.35
26 05 33 13-0141 EA 4" Rigid Galvanized Steel (RGS) 42" Large Radius Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	383.65 51.05 25.53	85.08
26 05 33 13-0142 EA 5" Rigid Galvanized Steel (RGS) 42" Large Radius Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	639.68 83.24 41.62	138.72
26 05 33 13-0143 EA 6" Rigid Galvanized Steel (RGS) 42" Large Radius Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	798.19 125.04 62.52	208.40
26 05 33 13-0144 Rigid Galvanized Steel (RGS) 48" Large Radius Elbow (26 05 33 13-0042) See CSI section 26 05 33 13-2183 for conduit field bending.		
26 05 33 13-0145 EA 1" Rigid Galvanized Steel (RGS) 48" Large Radius Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	93.53 14.06 7.03	23.43
26 05 33 13-0146 EA 1-1/4" Rigid Galvanized Steel (RGS) 48" Large Radius Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	110.81 16.28 8.14	27.13
26 05 33 13-0147 EA 1-1/2" Rigid Galvanized Steel (RGS) 48" Large Radius Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	129.04 18.50 9.25	30.83
26 05 33 13-0148 EA 2" Rigid Galvanized Steel (RGS) 48" Large Radius Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	154.90 20.35 10.17	33.91
26 05 33 13-0149 EA 2-1/2" Rigid Galvanized Steel (RGS) 48" Large Radius Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	204.52 25.52 12.76	42.55
26 05 33 13-0150 EA 3" Rigid Galvanized Steel (RGS) 48" Large Radius Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	266.05 34.78 17.39	57.96
26 05 33 13-0151 EA 3-1/2" Rigid Galvanized Steel (RGS) 48" Large Radius Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	327.06 39.22 19.61	65.35
26 05 33 13-0152 EA 4" Rigid Galvanized Steel (RGS) 48" Large Radius Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	411.03 51.05 25.53	85.08
26 05 33 13-0153 EA 5" Rigid Galvanized Steel (RGS) 48" Large Radius Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	661.96 83.24 41.62	138.72
26 05 33 13-0154 EA 6" Rigid Galvanized Steel (RGS) 48" Large Radius Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	810.66 125.04 62.52	208.40
26 05 33 13-0155 Rigid Galvanized Steel (RGS) Plastic Insulating Bushing (26 05 33 13-0042)		
26 05 33 13-0156 EA 1/2" Rigid Galvanized Steel (RGS) Plastic Insulating Bushing..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.36 3.63 1.81 3.63	6.04
26 05 33 13-0157 EA 3/4" Rigid Galvanized Steel (RGS) Plastic Insulating Bushing..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.26 3.87 1.94 3.87	6.45



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0158 EA 1" Rigid Galvanized Steel (RGS) Plastic Insulating Bushing	15.06	7.25
For Work In Restricted Working Space, Add	4.35	
For Installation Above 14', Add	2.18	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.35	
26 05 33 13-0159 EA 1-1/4" Rigid Galvanized Steel (RGS) Plastic Insulating Bushing	16.92	8.07
For Work In Restricted Working Space, Add	4.84	
For Installation Above 14', Add	2.42	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.84	
26 05 33 13-0160 EA 1-1/2" Rigid Galvanized Steel (RGS) Plastic Insulating Bushing	21.25	10.08
For Work In Restricted Working Space, Add	6.05	
For Installation Above 14', Add	3.02	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.05	
26 05 33 13-0161 EA 2" Rigid Galvanized Steel (RGS) Plastic Insulating Bushing	26.21	12.09
For Work In Restricted Working Space, Add	7.26	
For Installation Above 14', Add	3.63	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.26	
26 05 33 13-0162 EA 2-1/2" Rigid Galvanized Steel (RGS) Plastic Insulating Bushing	32.69	14.11
For Work In Restricted Working Space, Add	8.47	
For Installation Above 14', Add	4.23	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.47	
26 05 33 13-0163 EA 3" Rigid Galvanized Steel (RGS) Plastic Insulating Bushing	36.97	16.12
For Work In Restricted Working Space, Add	9.68	
For Installation Above 14', Add	4.84	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.68	
26 05 33 13-0164 EA 3-1/2" Rigid Galvanized Steel (RGS) Plastic Insulating Bushing	42.83	15.18
For Work In Restricted Working Space, Add	10.88	
For Installation Above 14', Add	5.44	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	10.88	
26 05 33 13-0165 EA 4" Rigid Galvanized Steel (RGS) Plastic Insulating Bushing	47.52	20.16
For Work In Restricted Working Space, Add	12.09	
For Installation Above 14', Add	6.05	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.09	
26 05 33 13-0166 EA 5" Rigid Galvanized Steel (RGS) Plastic Insulating Bushing	56.64	22.18
For Work In Restricted Working Space, Add	13.30	
For Installation Above 14', Add	6.65	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	13.30	
26 05 33 13-0167 EA 6" Rigid Galvanized Steel (RGS) Plastic Insulating Bushing	79.52	24.19
For Work In Restricted Working Space, Add	14.51	
For Installation Above 14', Add	7.26	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	14.51	
26 05 33 13-0168 Rigid Galvanized Steel (RGS) Steel Bushing (26 05 33 13-0042)		
26 05 33 13-0169 EA 1/2" Rigid Galvanized Steel (RGS) Steel Bushing	14.91	7.11
For Work In Restricted Working Space, Add	4.27	
For Installation Above 14', Add	2.13	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.27	
26 05 33 13-0170 EA 3/4" Rigid Galvanized Steel (RGS) Steel Bushing	16.18	7.59
For Work In Restricted Working Space, Add	4.55	
For Installation Above 14', Add	2.28	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.55	
26 05 33 13-0171 EA 1" Rigid Galvanized Steel (RGS) Steel Bushing	18.81	8.54
For Work In Restricted Working Space, Add	5.12	
For Installation Above 14', Add	2.56	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.12	
26 05 33 13-0172 EA 1-1/4" Rigid Galvanized Steel (RGS) Steel Bushing	21.11	9.49
For Work In Restricted Working Space, Add	5.69	
For Installation Above 14', Add	2.85	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.69	
26 05 33 13-0173 EA 1-1/2" Rigid Galvanized Steel (RGS) Steel Bushing	26.89	11.85
For Work In Restricted Working Space, Add	7.12	
For Installation Above 14', Add	3.56	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.12	
26 05 33 13-0174 EA 2" Rigid Galvanized Steel (RGS) Steel Bushing	31.87	14.23
For Work In Restricted Working Space, Add	8.54	
For Installation Above 14', Add	4.27	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.54	
26 05 33 13-0175 EA 2-1/2" Rigid Galvanized Steel (RGS) Steel Bushing	43.90	16.60
For Work In Restricted Working Space, Add	9.96	
For Installation Above 14', Add	4.98	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.96	
26 05 33 13-0176 EA 3" Rigid Galvanized Steel (RGS) Steel Bushing	51.99	18.97
For Work In Restricted Working Space, Add	11.38	
For Installation Above 14', Add	5.69	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	11.38	
26 05 33 13-0177 EA 3-1/2" Rigid Galvanized Steel (RGS) Steel Bushing	75.49	21.34
For Work In Restricted Working Space, Add	12.81	
For Installation Above 14', Add	6.40	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.81	
26 05 33 13-0178 EA 4" Rigid Galvanized Steel (RGS) Steel Bushing	100.63	23.72
For Work In Restricted Working Space, Add	14.23	
For Installation Above 14', Add	7.11	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	14.23	

26 Electrical**26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33	13-0179	EA	5" Rigid Galvanized Steel (RGS) Steel Bushing	132.86	26.08
			<i>For Work In Restricted Working Space, Add</i>	15.65	
			<i>For Installation Above 14', Add</i>	7.83	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15.65	
26 05 33	13-0180	EA	6" Rigid Galvanized Steel (RGS) Steel Bushing	193.11	28.46
			<i>For Work In Restricted Working Space, Add</i>	17.08	
			<i>For Installation Above 14', Add</i>	8.54	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17.08	
26 05 33 13-0181 Rigid Galvanized Steel (RGS) Steel Insulated Bushing (26 05 33 13-0042)					
26 05 33	13-0182	EA	1/2" Rigid Galvanized Steel (RGS) Steel Insulated Bushing.....	15.72	7.11
			<i>For Work In Restricted Working Space, Add</i>	4.27	
			<i>For Installation Above 14', Add</i>	2.13	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.27	
26 05 33	13-0183	EA	3/4" Rigid Galvanized Steel (RGS) Steel Insulated Bushing.....	17.39	7.59
			<i>For Work In Restricted Working Space, Add</i>	4.55	
			<i>For Installation Above 14', Add</i>	2.28	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.55	
26 05 33	13-0184	EA	1" Rigid Galvanized Steel (RGS) Steel Insulated Bushing.....	20.34	8.54
			<i>For Work In Restricted Working Space, Add</i>	5.12	
			<i>For Installation Above 14', Add</i>	2.56	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.12	
26 05 33	13-0185	EA	1-1/4" Rigid Galvanized Steel (RGS) Steel Insulated Bushing.....	23.70	9.49
			<i>For Work In Restricted Working Space, Add</i>	5.69	
			<i>For Installation Above 14', Add</i>	2.85	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.69	
26 05 33	13-0186	EA	1-1/2" Rigid Galvanized Steel (RGS) Steel Insulated Bushing.....	29.58	11.85
			<i>For Work In Restricted Working Space, Add</i>	7.12	
			<i>For Installation Above 14', Add</i>	3.56	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.12	
26 05 33	13-0187	EA	2" Rigid Galvanized Steel (RGS) Steel Insulated Bushing.....	36.65	14.23
			<i>For Work In Restricted Working Space, Add</i>	8.54	
			<i>For Installation Above 14', Add</i>	4.27	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.54	
26 05 33	13-0188	EA	2-1/2" Rigid Galvanized Steel (RGS) Steel Insulated Bushing.....	50.38	16.60
			<i>For Work In Restricted Working Space, Add</i>	9.96	
			<i>For Installation Above 14', Add</i>	4.98	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.96	
26 05 33	13-0189	EA	3" Rigid Galvanized Steel (RGS) Steel Insulated Bushing.....	59.58	18.97
			<i>For Work In Restricted Working Space, Add</i>	11.38	
			<i>For Installation Above 14', Add</i>	5.69	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.38	
26 05 33	13-0190	EA	3-1/2" Rigid Galvanized Steel (RGS) Steel Insulated Bushing.....	76.91	21.34
			<i>For Work In Restricted Working Space, Add</i>	12.81	
			<i>For Installation Above 14', Add</i>	6.40	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.81	
26 05 33	13-0191	EA	4" Rigid Galvanized Steel (RGS) Steel Insulated Bushing.....	106.96	23.72
			<i>For Work In Restricted Working Space, Add</i>	14.23	
			<i>For Installation Above 14', Add</i>	7.11	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.23	
26 05 33	13-0192	EA	5" Rigid Galvanized Steel (RGS) Steel Insulated Bushing.....	139.76	26.08
			<i>For Work In Restricted Working Space, Add</i>	15.65	
			<i>For Installation Above 14', Add</i>	7.83	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15.65	
26 05 33	13-0193	EA	6" Rigid Galvanized Steel (RGS) Steel Insulated Bushing.....	195.54	28.46
			<i>For Work In Restricted Working Space, Add</i>	17.08	
			<i>For Installation Above 14', Add</i>	8.54	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17.08	
26 05 33 13-0194 Rigid Galvanized Steel (RGS) Steel Insulated Grounding Bushing (26 05 33 13-0042)					
26 05 33	13-0195	EA	1/2" Rigid Galvanized Steel (RGS) Steel Insulated Grounding Bushing.....	23.09	8.54
			<i>For Work In Restricted Working Space, Add</i>	5.12	
			<i>For Installation Above 14', Add</i>	2.56	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.12	
26 05 33	13-0196	EA	3/4" Rigid Galvanized Steel (RGS) Steel Insulated Grounding Bushing.....	25.83	9.49
			<i>For Work In Restricted Working Space, Add</i>	5.69	
			<i>For Installation Above 14', Add</i>	2.85	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.69	
26 05 33	13-0197	EA	1" Rigid Galvanized Steel (RGS) Steel Insulated Grounding Bushing.....	29.43	10.43
			<i>For Work In Restricted Working Space, Add</i>	6.26	
			<i>For Installation Above 14', Add</i>	3.13	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.26	
26 05 33	13-0198	EA	1-1/4" Rigid Galvanized Steel (RGS) Steel Insulated Grounding Bushing.....	34.79	11.85
			<i>For Work In Restricted Working Space, Add</i>	7.12	
			<i>For Installation Above 14', Add</i>	3.56	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.12	
26 05 33	13-0199	EA	1-1/2" Rigid Galvanized Steel (RGS) Steel Insulated Grounding Bushing.....	42.19	14.70
			<i>For Work In Restricted Working Space, Add</i>	8.82	
			<i>For Installation Above 14', Add</i>	4.41	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.82	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0200 EA 2" Rigid Galvanized Steel (RGS) Steel Insulated Grounding Bushing.....	52.86	17.55
<i>For Work In Restricted Working Space, Add</i>	10.53	
<i>For Installation Above 14', Add</i>	5.27	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.53	
26 05 33 13-0201 EA 2-1/2" Rigid Galvanized Steel (RGS) Steel Insulated Grounding Bushing.....	69.78	20.39
<i>For Work In Restricted Working Space, Add</i>	12.23	
<i>For Installation Above 14', Add</i>	6.12	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.23	
26 05 33 13-0202 EA 3" Rigid Galvanized Steel (RGS) Steel Insulated Grounding Bushing.....	77.35	23.72
<i>For Work In Restricted Working Space, Add</i>	14.23	
<i>For Installation Above 14', Add</i>	7.11	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.23	
26 05 33 13-0203 EA 3-1/2" Rigid Galvanized Steel (RGS) Steel Insulated Grounding Bushing.....	87.39	26.56
<i>For Work In Restricted Working Space, Add</i>	15.94	
<i>For Installation Above 14', Add</i>	7.97	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15.94	
26 05 33 13-0204 EA 4" Rigid Galvanized Steel (RGS) Steel Insulated Grounding Bushing.....	111.26	29.41
<i>For Work In Restricted Working Space, Add</i>	17.64	
<i>For Installation Above 14', Add</i>	8.82	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17.64	
26 05 33 13-0205 EA 5" Rigid Galvanized Steel (RGS) Steel Insulated Grounding Bushing.....	154.78	32.26
<i>For Work In Restricted Working Space, Add</i>	19.35	
<i>For Installation Above 14', Add</i>	9.68	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	19.35	
26 05 33 13-0206 EA 6" Rigid Galvanized Steel (RGS) Steel Insulated Grounding Bushing.....	210.32	35.57
<i>For Work In Restricted Working Space, Add</i>	21.35	
<i>For Installation Above 14', Add</i>	10.67	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	21.35	
26 05 33 13-0207 Rigid Galvanized Steel (RGS) Box Connectors With Set Screw <small>(26 05 33 13-0042)</small>		
26 05 33 13-0208 EA 1/2" Rigid Galvanized Steel (RGS) Box Connector With Set Screw	12.71	4.36
<i>For Work In Restricted Working Space, Add</i>	3.25	
<i>For Installation Above 14', Add</i>	1.62	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.25	
26 05 33 13-0209 EA 3/4" Rigid Galvanized Steel (RGS) Box Connector With Set Screw	15.15	5.03
<i>For Work In Restricted Working Space, Add</i>	3.76	
<i>For Installation Above 14', Add</i>	1.88	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.76	
26 05 33 13-0210 EA 1" Rigid Galvanized Steel (RGS) Box Connector With Set Screw	19.29	6.07
<i>For Work In Restricted Working Space, Add</i>	4.53	
<i>For Installation Above 14', Add</i>	2.27	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.53	
26 05 33 13-0211 EA 1-1/4" Rigid Galvanized Steel (RGS) Box Connector, Insulated With Set Screw	26.99	7.50
<i>For Work In Restricted Working Space, Add</i>	5.64	
<i>For Installation Above 14', Add</i>	2.82	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.64	
26 05 33 13-0212 EA 1-1/2" Rigid Galvanized Steel (RGS) Box Connector, Insulated With Set Screw	36.41	10.05
<i>For Work In Restricted Working Space, Add</i>	7.55	
<i>For Installation Above 14', Add</i>	3.77	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.55	
26 05 33 13-0213 EA 2" Rigid Galvanized Steel (RGS) Box Connector, Insulated With Set Screw.....	59.76	15.08
<i>For Work In Restricted Working Space, Add</i>	11.31	
<i>For Installation Above 14', Add</i>	5.65	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.31	
26 05 33 13-0214 EA 2-1/2" Rigid Galvanized Steel (RGS) Box Connector, Insulated With Set Screw	96.35	16.69
<i>For Work In Restricted Working Space, Add</i>	12.52	
<i>For Installation Above 14', Add</i>	6.26	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.52	
26 05 33 13-0215 EA 3" Rigid Galvanized Steel (RGS) Box Connector, Insulated With Set Screw.....	115.19	20.20
<i>For Work In Restricted Working Space, Add</i>	15.17	
<i>For Installation Above 14', Add</i>	7.58	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15.17	
26 05 33 13-0216 EA 3-1/2" Rigid Galvanized Steel (RGS) Box Connector, Insulated With Set Screw	153.55	25.32
<i>For Work In Restricted Working Space, Add</i>	18.98	
<i>For Installation Above 14', Add</i>	9.49	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18.98	
26 05 33 13-0217 EA 4" Rigid Galvanized Steel (RGS) Box Connector, Insulated With Set Screw.....	180.65	30.35
<i>For Work In Restricted Working Space, Add</i>	22.77	
<i>For Installation Above 14', Add</i>	11.38	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	22.77	
26 05 33 13-0218 EA 5" Rigid Galvanized Steel (RGS) Box Connector, Insulated With Set Screw.....	296.07	33.77
<i>For Work In Restricted Working Space, Add</i>	25.30	
<i>For Installation Above 14', Add</i>	12.65	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	25.30	
26 05 33 13-0219 EA 6" Rigid Galvanized Steel (RGS) Box Connector, Insulated With Set Screw.....	351.16	37.94
<i>For Work In Restricted Working Space, Add</i>	28.45	
<i>For Installation Above 14', Add</i>	14.22	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	28.45	
26 05 33 13-0220 Rigid Galvanized Steel (RGS) Nipples <small>(26 05 33 13-0042)</small>		

26 Electrical**26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0221 EA 1/2" x 2" Long Rigid Galvanized Steel (RGS) Nipple	13.40	6.16
For Work In Restricted Working Space, Add	3.70	
For Installation Above 14', Add	1.85	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.70	
26 05 33 13-0222 EA 3/4" x 2" Long Rigid Galvanized Steel (RGS) Nipple	15.42	7.11
For Work In Restricted Working Space, Add	4.27	
For Installation Above 14', Add	2.13	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.27	
26 05 33 13-0223 EA 1" x 2" Long Rigid Galvanized Steel (RGS) Nipple	19.68	9.01
For Work In Restricted Working Space, Add	5.41	
For Installation Above 14', Add	2.70	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.41	
26 05 33 13-0224 EA 1-1/4" x 2" Long Rigid Galvanized Steel (RGS) Nipple	22.98	10.43
For Work In Restricted Working Space, Add	6.26	
For Installation Above 14', Add	3.13	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.26	
26 05 33 13-0225 EA 1-1/2" x 2" Long Rigid Galvanized Steel (RGS) Nipple	26.22	11.85
For Work In Restricted Working Space, Add	7.11	
For Installation Above 14', Add	3.56	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.11	
26 05 33 13-0226 EA 1/2" x 2-1/2" Long Rigid Galvanized Steel (RGS) Nipple	13.48	6.16
For Work In Restricted Working Space, Add	3.70	
For Installation Above 14', Add	1.85	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.70	
26 05 33 13-0227 EA 3/4" x 2-1/2" Long Rigid Galvanized Steel (RGS) Nipple	15.56	7.11
For Work In Restricted Working Space, Add	4.27	
For Installation Above 14', Add	2.13	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.27	
26 05 33 13-0228 EA 1" x 2-1/2" Long Rigid Galvanized Steel (RGS) Nipple	19.83	9.01
For Work In Restricted Working Space, Add	5.41	
For Installation Above 14', Add	2.70	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.41	
26 05 33 13-0229 EA 1-1/4" x 2-1/2" Long Rigid Galvanized Steel (RGS) Nipple	23.18	10.43
For Work In Restricted Working Space, Add	6.26	
For Installation Above 14', Add	3.13	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.26	
26 05 33 13-0230 EA 1-1/2" x 2-1/2" Long Rigid Galvanized Steel (RGS) Nipple	26.54	11.85
For Work In Restricted Working Space, Add	7.11	
For Installation Above 14', Add	3.56	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.11	
26 05 33 13-0231 EA 2" x 2-1/2" Long Rigid Galvanized Steel (RGS) Nipple	29.98	13.28
For Work In Restricted Working Space, Add	7.97	
For Installation Above 14', Add	3.98	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.97	
26 05 33 13-0232 EA 1/2" x 3" Long Rigid Galvanized Steel (RGS) Nipple	13.58	6.16
For Work In Restricted Working Space, Add	3.70	
For Installation Above 14', Add	1.85	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.70	
26 05 33 13-0233 EA 3/4" x 3" Long Rigid Galvanized Steel (RGS) Nipple	15.67	7.11
For Work In Restricted Working Space, Add	4.27	
For Installation Above 14', Add	2.13	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.27	
26 05 33 13-0234 EA 1" x 3" Long Rigid Galvanized Steel (RGS) Nipple	20.04	9.01
For Work In Restricted Working Space, Add	5.41	
For Installation Above 14', Add	2.70	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.41	
26 05 33 13-0235 EA 1-1/4" x 3" Long Rigid Galvanized Steel (RGS) Nipple	23.36	10.43
For Work In Restricted Working Space, Add	6.26	
For Installation Above 14', Add	3.13	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.26	
26 05 33 13-0236 EA 1-1/2" x 3" Long Rigid Galvanized Steel (RGS) Nipple	26.76	11.85
For Work In Restricted Working Space, Add	7.11	
For Installation Above 14', Add	3.56	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.11	
26 05 33 13-0237 EA 2" x 3" Long Rigid Galvanized Steel (RGS) Nipple	30.50	13.28
For Work In Restricted Working Space, Add	7.97	
For Installation Above 14', Add	3.98	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.97	
26 05 33 13-0238 EA 2-1/2" x 3" Long Rigid Galvanized Steel (RGS) Nipple	40.41	16.12
For Work In Restricted Working Space, Add	9.68	
For Installation Above 14', Add	4.84	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.68	
26 05 33 13-0239 EA 3" x 3" Long Rigid Galvanized Steel (RGS) Nipple	54.61	22.30
For Work In Restricted Working Space, Add	13.37	
For Installation Above 14', Add	6.69	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	13.37	
26 05 33 13-0240 EA 1/2" x 3-1/2" Long Rigid Galvanized Steel (RGS) Nipple	13.69	6.16
For Work In Restricted Working Space, Add	3.70	
For Installation Above 14', Add	1.85	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.70	
26 05 33 13-0241 EA 3/4" x 3-1/2" Long Rigid Galvanized Steel (RGS) Nipple	15.74	7.11
For Work In Restricted Working Space, Add	4.27	
For Installation Above 14', Add	2.13	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.27	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0242 EA 1" x 3-1/2" Long Rigid Galvanized Steel (RGS) Nipple.....	20.31	9.01
<i>For Work In Restricted Working Space, Add</i>	5.41	
<i>For Installation Above 14', Add</i>	2.70	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.41	
26 05 33 13-0243 EA 1-1/4" x 3-1/2" Long Rigid Galvanized Steel (RGS) Nipple.....	23.70	10.43
<i>For Work In Restricted Working Space, Add</i>	6.26	
<i>For Installation Above 14', Add</i>	3.13	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.26	
26 05 33 13-0244 EA 1-1/2" x 3-1/2" Long Rigid Galvanized Steel (RGS) Nipple.....	27.21	11.85
<i>For Work In Restricted Working Space, Add</i>	7.11	
<i>For Installation Above 14', Add</i>	3.56	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.11	
26 05 33 13-0245 EA 2" x 3-1/2" Long Rigid Galvanized Steel (RGS) Nipple.....	31.05	13.28
<i>For Work In Restricted Working Space, Add</i>	7.97	
<i>For Installation Above 14', Add</i>	3.98	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.97	
26 05 33 13-0246 EA 2-1/2" x 3-1/2" Long Rigid Galvanized Steel (RGS) Nipple.....	41.90	16.12
<i>For Work In Restricted Working Space, Add</i>	9.68	
<i>For Installation Above 14', Add</i>	4.84	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.68	
26 05 33 13-0247 EA 3" x 3-1/2" Long Rigid Galvanized Steel (RGS) Nipple.....	55.90	22.30
<i>For Work In Restricted Working Space, Add</i>	13.37	
<i>For Installation Above 14', Add</i>	6.69	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.37	
26 05 33 13-0248 EA 1/2" x 4" Long Rigid Galvanized Steel (RGS) Nipple.....	13.81	6.16
<i>For Work In Restricted Working Space, Add</i>	3.70	
<i>For Installation Above 14', Add</i>	1.85	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.70	
26 05 33 13-0249 EA 3/4" x 4" Long Rigid Galvanized Steel (RGS) Nipple.....	15.94	7.11
<i>For Work In Restricted Working Space, Add</i>	4.27	
<i>For Installation Above 14', Add</i>	2.13	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.27	
26 05 33 13-0250 EA 1" x 4" Long Rigid Galvanized Steel (RGS) Nipple.....	20.47	9.01
<i>For Work In Restricted Working Space, Add</i>	5.41	
<i>For Installation Above 14', Add</i>	2.70	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.41	
26 05 33 13-0251 EA 1-1/4" x 4" Long Rigid Galvanized Steel (RGS) Nipple.....	23.87	10.43
<i>For Work In Restricted Working Space, Add</i>	6.26	
<i>For Installation Above 14', Add</i>	3.13	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.26	
26 05 33 13-0252 EA 1-1/2" x 4" Long Rigid Galvanized Steel (RGS) Nipple.....	27.52	11.85
<i>For Work In Restricted Working Space, Add</i>	7.11	
<i>For Installation Above 14', Add</i>	3.56	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.11	
26 05 33 13-0253 EA 2" x 4" Long Rigid Galvanized Steel (RGS) Nipple.....	31.52	13.28
<i>For Work In Restricted Working Space, Add</i>	7.97	
<i>For Installation Above 14', Add</i>	3.98	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.97	
26 05 33 13-0254 EA 2-1/2" x 4" Long Rigid Galvanized Steel (RGS) Nipple.....	42.36	16.12
<i>For Work In Restricted Working Space, Add</i>	9.68	
<i>For Installation Above 14', Add</i>	4.84	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.68	
26 05 33 13-0255 EA 3" x 4" Long Rigid Galvanized Steel (RGS) Nipple.....	56.85	22.30
<i>For Work In Restricted Working Space, Add</i>	13.37	
<i>For Installation Above 14', Add</i>	6.69	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.37	
26 05 33 13-0256 EA 3-1/2" x 4" Long Rigid Galvanized Steel (RGS) Nipple.....	65.21	25.14
<i>For Work In Restricted Working Space, Add</i>	15.08	
<i>For Installation Above 14', Add</i>	7.54	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15.08	
26 05 33 13-0257 EA 4" x 4" Long Rigid Galvanized Steel (RGS) Nipple.....	82.21	32.73
<i>For Work In Restricted Working Space, Add</i>	19.63	
<i>For Installation Above 14', Add</i>	9.82	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	19.63	
26 05 33 13-0258 EA 1/2" x 5" Long Rigid Galvanized Steel (RGS) Nipple.....	13.98	6.16
<i>For Work In Restricted Working Space, Add</i>	3.70	
<i>For Installation Above 14', Add</i>	1.85	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.70	
26 05 33 13-0259 EA 3/4" x 5" Long Rigid Galvanized Steel (RGS) Nipple.....	16.20	7.11
<i>For Work In Restricted Working Space, Add</i>	4.27	
<i>For Installation Above 14', Add</i>	2.13	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.27	
26 05 33 13-0260 EA 1" x 5" Long Rigid Galvanized Steel (RGS) Nipple.....	20.80	9.01
<i>For Work In Restricted Working Space, Add</i>	5.41	
<i>For Installation Above 14', Add</i>	2.70	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.41	
26 05 33 13-0261 EA 1-1/4" x 5" Long Rigid Galvanized Steel (RGS) Nipple.....	24.34	10.43
<i>For Work In Restricted Working Space, Add</i>	6.26	
<i>For Installation Above 14', Add</i>	3.13	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.26	
26 05 33 13-0262 EA 1-1/2" x 5" Long Rigid Galvanized Steel (RGS) Nipple.....	27.98	11.85
<i>For Work In Restricted Working Space, Add</i>	7.11	
<i>For Installation Above 14', Add</i>	3.56	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.11	

26 Electrical**26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0263	EA		2" x 5" Long Rigid Galvanized Steel (RGS) Nipple	32.35	13.28
			<i>For Work In Restricted Working Space, Add</i>	7.97	
			<i>For Installation Above 14', Add</i>	3.98	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.97	
26 05 33 13-0264	EA		2-1/2" x 5" Long Rigid Galvanized Steel (RGS) Nipple	44.19	16.12
			<i>For Work In Restricted Working Space, Add</i>	9.68	
			<i>For Installation Above 14', Add</i>	4.84	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.68	
26 05 33 13-0265	EA		3" x 5" Long Rigid Galvanized Steel (RGS) Nipple	58.85	22.30
			<i>For Work In Restricted Working Space, Add</i>	13.37	
			<i>For Installation Above 14', Add</i>	6.69	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.37	
26 05 33 13-0266	EA		3-1/2" x 5" Long Rigid Galvanized Steel (RGS) Nipple	67.19	25.14
			<i>For Work In Restricted Working Space, Add</i>	15.08	
			<i>For Installation Above 14', Add</i>	7.54	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15.08	
26 05 33 13-0267	EA		4" x 5" Long Rigid Galvanized Steel (RGS) Nipple	85.11	32.73
			<i>For Work In Restricted Working Space, Add</i>	19.63	
			<i>For Installation Above 14', Add</i>	9.82	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	19.63	
26 05 33 13-0268	EA		5" x 5" Long Rigid Galvanized Steel (RGS) Nipple	128.28	45.05
			<i>For Work In Restricted Working Space, Add</i>	27.03	
			<i>For Installation Above 14', Add</i>	13.52	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	27.03	
26 05 33 13-0269	EA		6" x 5" Long Rigid Galvanized Steel (RGS) Nipple	163.19	57.77
			<i>For Work In Restricted Working Space, Add</i>	34.68	
			<i>For Installation Above 14', Add</i>	17.34	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	34.68	
26 05 33 13-0270	EA		1/2" x 6" Long Rigid Galvanized Steel (RGS) Nipple	14.30	6.16
			<i>For Work In Restricted Working Space, Add</i>	3.70	
			<i>For Installation Above 14', Add</i>	1.85	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.70	
26 05 33 13-0271	EA		3/4" x 6" Long Rigid Galvanized Steel (RGS) Nipple	16.52	7.11
			<i>For Work In Restricted Working Space, Add</i>	4.27	
			<i>For Installation Above 14', Add</i>	2.13	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.27	
26 05 33 13-0272	EA		1" x 6" Long Rigid Galvanized Steel (RGS) Nipple	21.06	9.01
			<i>For Work In Restricted Working Space, Add</i>	5.41	
			<i>For Installation Above 14', Add</i>	2.70	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.41	
26 05 33 13-0273	EA		1-1/4" x 6" Long Rigid Galvanized Steel (RGS) Nipple	24.78	10.43
			<i>For Work In Restricted Working Space, Add</i>	6.26	
			<i>For Installation Above 14', Add</i>	3.13	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.26	
26 05 33 13-0274	EA		1-1/2" x 6" Long Rigid Galvanized Steel (RGS) Nipple	28.96	11.85
			<i>For Work In Restricted Working Space, Add</i>	7.11	
			<i>For Installation Above 14', Add</i>	3.56	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.11	
26 05 33 13-0275	EA		2" x 6" Long Rigid Galvanized Steel (RGS) Nipple	33.18	13.28
			<i>For Work In Restricted Working Space, Add</i>	7.97	
			<i>For Installation Above 14', Add</i>	3.98	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.97	
26 05 33 13-0276	EA		2-1/2" x 6" Long Rigid Galvanized Steel (RGS) Nipple	45.81	16.12
			<i>For Work In Restricted Working Space, Add</i>	9.68	
			<i>For Installation Above 14', Add</i>	4.84	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.68	
26 05 33 13-0277	EA		3" x 6" Long Rigid Galvanized Steel (RGS) Nipple	60.87	22.30
			<i>For Work In Restricted Working Space, Add</i>	13.37	
			<i>For Installation Above 14', Add</i>	6.69	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.37	
26 05 33 13-0278	EA		3-1/2" x 6" Long Rigid Galvanized Steel (RGS) Nipple	69.61	25.14
			<i>For Work In Restricted Working Space, Add</i>	15.08	
			<i>For Installation Above 14', Add</i>	7.54	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15.08	
26 05 33 13-0279	EA		4" x 6" Long Rigid Galvanized Steel (RGS) Nipple	87.40	32.73
			<i>For Work In Restricted Working Space, Add</i>	19.63	
			<i>For Installation Above 14', Add</i>	9.82	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	19.63	
26 05 33 13-0280	EA		5" x 6" Long Rigid Galvanized Steel (RGS) Nipple	131.64	45.05
			<i>For Work In Restricted Working Space, Add</i>	27.03	
			<i>For Installation Above 14', Add</i>	13.52	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	27.03	
26 05 33 13-0281	EA		6" x 6" Long Rigid Galvanized Steel (RGS) Nipple	168.11	57.77
			<i>For Work In Restricted Working Space, Add</i>	34.68	
			<i>For Installation Above 14', Add</i>	17.34	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	34.68	
26 05 33 13-0282	EA		1/2" x 8" Long Rigid Galvanized Steel (RGS) Nipple	15.47	6.16
			<i>For Work In Restricted Working Space, Add</i>	3.70	
			<i>For Installation Above 14', Add</i>	1.85	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.70	
26 05 33 13-0283	EA		3/4" x 8" Long Rigid Galvanized Steel (RGS) Nipple	18.02	7.11
			<i>For Work In Restricted Working Space, Add</i>	4.27	
			<i>For Installation Above 14', Add</i>	2.13	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.27	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0284 EA 1" x 8" Long Rigid Galvanized Steel (RGS) Nipple.....	22.81	9.01
<i>For Work In Restricted Working Space, Add</i>	5.41	
<i>For Installation Above 14', Add</i>	2.70	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.41	
26 05 33 13-0285 EA 1-1/4" x 8" Long Rigid Galvanized Steel (RGS) Nipple.....	27.28	10.43
<i>For Work In Restricted Working Space, Add</i>	6.26	
<i>For Installation Above 14', Add</i>	3.13	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.26	
26 05 33 13-0286 EA 1-1/2" x 8" Long Rigid Galvanized Steel (RGS) Nipple.....	31.75	11.85
<i>For Work In Restricted Working Space, Add</i>	7.11	
<i>For Installation Above 14', Add</i>	3.56	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.11	
26 05 33 13-0287 EA 2" x 8" Long Rigid Galvanized Steel (RGS) Nipple.....	36.12	13.28
<i>For Work In Restricted Working Space, Add</i>	7.97	
<i>For Installation Above 14', Add</i>	3.98	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.97	
26 05 33 13-0288 EA 2-1/2" x 8" Long Rigid Galvanized Steel (RGS) Nipple.....	50.08	16.12
<i>For Work In Restricted Working Space, Add</i>	9.68	
<i>For Installation Above 14', Add</i>	4.84	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.68	
26 05 33 13-0289 EA 3" x 8" Long Rigid Galvanized Steel (RGS) Nipple.....	65.78	22.30
<i>For Work In Restricted Working Space, Add</i>	13.37	
<i>For Installation Above 14', Add</i>	6.69	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.37	
26 05 33 13-0290 EA 3-1/2" x 8" Long Rigid Galvanized Steel (RGS) Nipple.....	74.50	25.14
<i>For Work In Restricted Working Space, Add</i>	15.08	
<i>For Installation Above 14', Add</i>	7.54	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15.08	
26 05 33 13-0291 EA 4" x 8" Long Rigid Galvanized Steel (RGS) Nipple.....	92.81	32.73
<i>For Work In Restricted Working Space, Add</i>	19.63	
<i>For Installation Above 14', Add</i>	9.82	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	19.63	
26 05 33 13-0292 EA 5" x 8" Long Rigid Galvanized Steel (RGS) Nipple.....	139.44	45.05
<i>For Work In Restricted Working Space, Add</i>	27.03	
<i>For Installation Above 14', Add</i>	13.52	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	27.03	
26 05 33 13-0293 EA 6" x 8" Long Rigid Galvanized Steel (RGS) Nipple.....	176.87	57.77
<i>For Work In Restricted Working Space, Add</i>	34.68	
<i>For Installation Above 14', Add</i>	17.34	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	34.68	
26 05 33 13-0294 EA 1/2" x 10" Long Rigid Galvanized Steel (RGS) Nipple.....	16.25	6.16
<i>For Work In Restricted Working Space, Add</i>	3.70	
<i>For Installation Above 14', Add</i>	1.85	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.70	
26 05 33 13-0295 EA 3/4" x 10" Long Rigid Galvanized Steel (RGS) Nipple.....	18.78	7.11
<i>For Work In Restricted Working Space, Add</i>	4.27	
<i>For Installation Above 14', Add</i>	2.13	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.27	
26 05 33 13-0296 EA 1" x 10" Long Rigid Galvanized Steel (RGS) Nipple.....	24.21	9.01
<i>For Work In Restricted Working Space, Add</i>	5.41	
<i>For Installation Above 14', Add</i>	2.70	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.41	
26 05 33 13-0297 EA 1-1/4" x 10" Long Rigid Galvanized Steel (RGS) Nipple.....	28.94	10.43
<i>For Work In Restricted Working Space, Add</i>	6.26	
<i>For Installation Above 14', Add</i>	3.13	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.26	
26 05 33 13-0298 EA 1-1/2" x 10" Long Rigid Galvanized Steel (RGS) Nipple.....	33.38	11.85
<i>For Work In Restricted Working Space, Add</i>	7.11	
<i>For Installation Above 14', Add</i>	3.56	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.11	
26 05 33 13-0299 EA 2" x 10" Long Rigid Galvanized Steel (RGS) Nipple.....	38.01	13.28
<i>For Work In Restricted Working Space, Add</i>	7.97	
<i>For Installation Above 14', Add</i>	3.98	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.97	
26 05 33 13-0300 EA 2-1/2" x 10" Long Rigid Galvanized Steel (RGS) Nipple.....	52.95	16.12
<i>For Work In Restricted Working Space, Add</i>	9.68	
<i>For Installation Above 14', Add</i>	4.84	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.68	
26 05 33 13-0301 EA 3" x 10" Long Rigid Galvanized Steel (RGS) Nipple.....	69.64	22.30
<i>For Work In Restricted Working Space, Add</i>	13.37	
<i>For Installation Above 14', Add</i>	6.69	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.37	
26 05 33 13-0302 EA 3-1/2" x 10" Long Rigid Galvanized Steel (RGS) Nipple.....	79.58	25.14
<i>For Work In Restricted Working Space, Add</i>	15.08	
<i>For Installation Above 14', Add</i>	7.54	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15.08	
26 05 33 13-0303 EA 4" x 10" Long Rigid Galvanized Steel (RGS) Nipple.....	99.25	32.73
<i>For Work In Restricted Working Space, Add</i>	19.63	
<i>For Installation Above 14', Add</i>	9.82	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	19.63	
26 05 33 13-0304 EA 5" x 10" Long Rigid Galvanized Steel (RGS) Nipple.....	147.94	45.05
<i>For Work In Restricted Working Space, Add</i>	27.03	
<i>For Installation Above 14', Add</i>	13.52	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	27.03	

26 Electrical**26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0305 EA 6" x 10" Long Rigid Galvanized Steel (RGS) Nipple	192.17	57.77
For Work In Restricted Working Space, Add	34.68	
For Installation Above 14', Add	17.34	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	34.68	
26 05 33 13-0306 EA 1/2" x 12" Long Rigid Galvanized Steel (RGS) Nipple	16.85	6.16
For Work In Restricted Working Space, Add	3.70	
For Installation Above 14', Add	1.85	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.70	
26 05 33 13-0307 EA 3/4" x 12" Long Rigid Galvanized Steel (RGS) Nipple	19.34	7.11
For Work In Restricted Working Space, Add	4.27	
For Installation Above 14', Add	2.13	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.27	
26 05 33 13-0308 EA 1" x 12" Long Rigid Galvanized Steel (RGS) Nipple	25.04	9.01
For Work In Restricted Working Space, Add	5.41	
For Installation Above 14', Add	2.70	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.41	
26 05 33 13-0309 EA 1-1/4" x 12" Long Rigid Galvanized Steel (RGS) Nipple	30.26	10.43
For Work In Restricted Working Space, Add	6.26	
For Installation Above 14', Add	3.13	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.26	
26 05 33 13-0310 EA 1-1/2" x 12" Long Rigid Galvanized Steel (RGS) Nipple	34.20	11.85
For Work In Restricted Working Space, Add	7.11	
For Installation Above 14', Add	3.56	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.11	
26 05 33 13-0311 EA 2" x 12" Long Rigid Galvanized Steel (RGS) Nipple	39.59	13.28
For Work In Restricted Working Space, Add	7.97	
For Installation Above 14', Add	3.98	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.97	
26 05 33 13-0312 EA 2-1/2" x 12" Long Rigid Galvanized Steel (RGS) Nipple	56.33	16.12
For Work In Restricted Working Space, Add	9.68	
For Installation Above 14', Add	4.84	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.68	
26 05 33 13-0313 EA 3" x 12" Long Rigid Galvanized Steel (RGS) Nipple	75.00	22.30
For Work In Restricted Working Space, Add	13.37	
For Installation Above 14', Add	6.69	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	13.37	
26 05 33 13-0314 EA 3-1/2" x 12" Long Rigid Galvanized Steel (RGS) Nipple	84.53	25.14
For Work In Restricted Working Space, Add	15.08	
For Installation Above 14', Add	7.54	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	15.08	
26 05 33 13-0315 EA 4" x 12" Long Rigid Galvanized Steel (RGS) Nipple	105.69	32.73
For Work In Restricted Working Space, Add	19.63	
For Installation Above 14', Add	9.82	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	19.63	
26 05 33 13-0316 EA 5" x 12" Long Rigid Galvanized Steel (RGS) Nipple	160.17	45.05
For Work In Restricted Working Space, Add	27.03	
For Installation Above 14', Add	13.52	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	27.03	
26 05 33 13-0317 EA 6" x 12" Long Rigid Galvanized Steel (RGS) Nipple	200.68	57.77
For Work In Restricted Working Space, Add	34.68	
For Installation Above 14', Add	17.34	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	34.68	
26 05 33 13-0318 Rigid Galvanized Steel (RGS) Off-Set Nipples <small>(26 05 33 13-0042)</small>		
26 05 33 13-0319 EA 1/2" Rigid Galvanized Steel (RGS) Off-Set Nipple	13.44	4.93
For Work In Restricted Working Space, Add	3.73	
For Installation Above 14', Add	1.86	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.73	
26 05 33 13-0320 EA 3/4" Rigid Galvanized Steel (RGS) Off-Set Nipple	15.69	5.69
For Work In Restricted Working Space, Add	4.25	
For Installation Above 14', Add	2.12	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.25	
26 05 33 13-0321 EA 1" Rigid Galvanized Steel (RGS) Off-Set Nipple	19.86	7.20
For Work In Restricted Working Space, Add	5.43	
For Installation Above 14', Add	2.72	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.43	
26 05 33 13-0322 EA 1-1/4" Rigid Galvanized Steel (RGS) Off-Set Nipple, Insulated	24.52	8.63
For Work In Restricted Working Space, Add	6.50	
For Installation Above 14', Add	3.25	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.50	
26 05 33 13-0323 EA 1-1/2" Rigid Galvanized Steel (RGS) Off-Set Nipple, Insulated	26.85	9.49
For Work In Restricted Working Space, Add	7.12	
For Installation Above 14', Add	3.56	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.12	
26 05 33 13-0324 EA 2" Rigid Galvanized Steel (RGS) Off-Set Nipple, Insulated	34.18	11.66
For Work In Restricted Working Space, Add	8.77	
For Installation Above 14', Add	4.38	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.77	
26 05 33 13-0325 EA 2-1/2" Rigid Galvanized Steel (RGS) Off-Set Nipple, Insulated	55.68	18.97
For Work In Restricted Working Space, Add	14.23	
For Installation Above 14', Add	7.11	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	14.23	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0326 EA 3" Rigid Galvanized Steel (RGS) Off-Set Nipple, Insulated <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	84.18 19.64 9.82 19.64	26.18
26 05 33 13-0327 EA 3-1/2" Rigid Galvanized Steel (RGS) Off-Set Nipple, Insulated <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	102.18 23.06 11.53 23.06	30.92
26 05 33 13-0328 EA 4" Rigid Galvanized Steel (RGS) Off-Set Nipple, Insulated <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	120.99 26.75 13.38 26.75	35.66
26 05 33 13-0329 Rigid Galvanized Steel (RGS) 3-Piece Conduit Coupling <small>(26 05 33 13-0042)</small> Note: Erickson fittings.		
26 05 33 13-0330 EA 1/2" Rigid Galvanized Steel (RGS) 3-Piece Conduit Coupling (Erickson)..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	39.87 11.40 5.70 11.40	15.18
26 05 33 13-0331 EA 3/4" Rigid Galvanized Steel (RGS) 3-Piece Conduit Coupling (Erickson)..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	44.81 12.72 6.36 12.72	16.97
26 05 33 13-0332 EA 1" Rigid Galvanized Steel (RGS) 3-Piece Conduit Coupling (Erickson)..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	51.67 14.17 7.08 14.17	18.88
26 05 33 13-0333 EA 1-1/4" Rigid Galvanized Steel (RGS) 3-Piece Conduit Coupling (Erickson) <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	61.16 15.51 7.75 15.51	20.68
26 05 33 13-0334 EA 1-1/2" Rigid Galvanized Steel (RGS) 3-Piece Conduit Coupling (Erickson) <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	67.89 16.96 8.48 16.96	22.58
26 05 33 13-0335 EA 2" Rigid Galvanized Steel (RGS) 3-Piece Conduit Coupling (Erickson)..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	83.97 18.37 9.19 18.37	24.47
26 05 33 13-0336 EA 2-1/2" Rigid Galvanized Steel (RGS) 3-Piece Conduit Coupling (Erickson) <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	128.54 22.77 11.38 22.77	30.35
26 05 33 13-0337 EA 3" Rigid Galvanized Steel (RGS) 3-Piece Conduit Coupling (Erickson)..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	174.77 28.46 14.23 28.46	37.94
26 05 33 13-0338 EA 3-1/2" Rigid Galvanized Steel (RGS) 3-Piece Conduit Coupling (Erickson) <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	246.98 34.16 17.08 34.16	45.53
26 05 33 13-0339 EA 4" Rigid Galvanized Steel (RGS) 3-Piece Conduit Coupling (Erickson)..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	279.84 36.99 18.50 36.99	49.32
26 05 33 13-0340 EA 5" Rigid Galvanized Steel (RGS) 3-Piece Conduit Coupling (Erickson)..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	473.03 45.53 22.76 45.53	60.70
26 05 33 13-0341 EA 6" Rigid Galvanized Steel (RGS) 3-Piece Conduit Coupling (Erickson)..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	603.71 52.64 26.32 52.64	70.19
26 05 33 13-0342 Rigid Galvanized Steel (RGS) To Electrical Metallic Tubing (EMT) Connectors <small>(26 05 33 13-0042)</small>		
26 05 33 13-0343 EA 1/2" Rigid Galvanized Steel (RGS) To Electrical Metallic Tubing (EMT) Connector <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	21.67 5.69 2.85	7.59
26 05 33 13-0344 EA 3/4" Rigid Galvanized Steel (RGS) To Electrical Metallic Tubing (EMT) Connector <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	24.07 6.26 3.13	8.35
26 05 33 13-0345 EA 1" Rigid Galvanized Steel (RGS) To Electrical Metallic Tubing (EMT) Connector..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	27.53 7.12 3.56	9.49
26 05 33 13-0346 EA 1-1/4" Rigid Galvanized Steel (RGS) To Electrical Metallic Tubing (EMT) Connector..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	30.63 7.68 3.84	10.24
26 05 33 13-0347 EA 1-1/2" Rigid Galvanized Steel (RGS) To Electrical Metallic Tubing (EMT) Connector <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	35.46 8.54 4.27	11.38

26 Electrical**26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33	13-0348	EA	2" Rigid Galvanized Steel (RGS) To Electrical Metallic Tubing (EMT) Connector <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	41.65 9.39 4.70	12.53
26 05 33	13-0349	EA	2-1/2" Rigid Galvanized Steel (RGS) To Electrical Metallic Tubing (EMT) Connector <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	54.53 11.38 5.69	15.18
26 05 33	13-0350	EA	3" Rigid Galvanized Steel (RGS) To Electrical Metallic Tubing (EMT) Connector <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	67.67 14.23 7.11	18.97
26 05 33	13-0351	EA	3-1/2" Rigid Galvanized Steel (RGS) To Electrical Metallic Tubing (EMT) Connector <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	81.27 17.08 8.54	22.77
26 05 33	13-0352	EA	4" Rigid Galvanized Steel (RGS) To Electrical Metallic Tubing (EMT) Connector <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	90.58 18.50 9.25	24.66
26 05 33 13-0353 Rigid Galvanized Steel (RGS) Water Tight Conduit Hubs (26 05 33 13-0042)					
26 05 33	13-0354	EA	1/2" Rigid Galvanized Steel (RGS) Water Tight Conduit Hubs <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20.39 5.12 2.56 5.12	8.54
26 05 33	13-0355	EA	3/4" Rigid Galvanized Steel (RGS) Water Tight Conduit Hubs <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	22.70 5.69 2.85 5.69	9.49
26 05 33	13-0356	EA	1" Rigid Galvanized Steel (RGS) Water Tight Conduit Hubs <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	28.10 7.12 3.56 7.12	11.85
26 05 33	13-0357	EA	1-1/4" Rigid Galvanized Steel (RGS) Water Tight Conduit Hubs <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	34.41 8.54 4.27 8.54	14.23
26 05 33	13-0358	EA	1-1/2" Rigid Galvanized Steel (RGS) Water Tight Conduit Hubs <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	44.48 11.38 5.69 11.38	18.97
26 05 33	13-0359	EA	2" Rigid Galvanized Steel (RGS) Water Tight Conduit Hubs <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	51.43 12.81 6.40 12.81	21.34
26 05 33	13-0360	EA	2-1/2" Water Tight Conduit Hubs <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	62.26 14.23 7.11 14.23	23.72
26 05 33	13-0361	EA	3" Rigid Galvanized Steel (RGS) Water Tight Conduit Hubs <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	83.01 17.93 8.96 17.93	29.88
26 05 33	13-0362	EA	3-1/2" Rigid Galvanized Steel (RGS) Water Tight Conduit Hubs <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	98.79 21.63 10.81 21.63	36.04
26 05 33	13-0363	EA	4" Rigid Galvanized Steel (RGS) Water Tight Conduit Hubs <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	120.58 25.61 12.81 25.61	42.69
26 05 33 13-0364 Rigid Galvanized Steel (RGS) Expansion Fittings, 4" Conduit Movement (26 05 33 13-0042)					
Note: Type AX					
26 05 33	13-0365	EA	1/2" Rigid Galvanized Steel (RGS) Expansion Fitting, 4" Conduit Movement <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	88.16 11.39 5.69	15.18
26 05 33	13-0366	EA	3/4" Rigid Galvanized Steel (RGS) Expansion Fitting, 4" Conduit Movement <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	100.01 12.81 6.40	17.08
26 05 33	13-0367	EA	1" Rigid Galvanized Steel (RGS) Expansion Fitting, 4" Conduit Movement <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	117.95 14.23 7.12	18.97
26 05 33	13-0368	EA	1-1/4" Rigid Galvanized Steel (RGS) Expansion Fitting, 4" Conduit Movement <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	143.51 15.65 7.83	20.87
26 05 33	13-0369	EA	1-1/2" Rigid Galvanized Steel (RGS) Expansion Fitting, 4" Conduit Movement <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	178.98 17.08 8.54	22.77
26 05 33	13-0370	EA	2" Rigid Galvanized Steel (RGS) Expansion Fitting, 4" Conduit Movement <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	244.74 18.50 9.25	24.66
26 05 33	13-0371	EA	2-1/2" Rigid Galvanized Steel (RGS) Expansion Fitting, 4" Conduit Movement <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	371.86 22.77 11.38	30.35



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0372 EA 3" Rigid Galvanized Steel (RGS) Expansion Fitting, 4" Conduit Movement <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	476.05 28.46 14.23	37.94
26 05 33 13-0373 EA 3-1/2" Rigid Galvanized Steel (RGS) Expansion Fitting, 4" Conduit Movement <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	691.09 34.15 17.07	45.53
26 05 33 13-0374 EA 4" Rigid Galvanized Steel (RGS) Expansion Fitting, 4" Conduit Movement <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	737.01 36.99 18.50	49.32
26 05 33 13-0375 EA 5" Rigid Galvanized Steel (RGS) Expansion Fitting, 4" Conduit Movement <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	1,123.05 45.53 22.77	60.70
26 05 33 13-0376 EA 6" Rigid Galvanized Steel (RGS) Expansion Fitting, 4" Conduit Movement <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	1,376.77 50.54 25.27	67.35
26 05 33 13-0377 Rigid Galvanized Steel (RGS) Expansion Fittings, 8" Conduit Movement <small>(26 05 33 13-0042)</small> Note: Type AX-8		
26 05 33 13-0378 EA 1/2" Rigid Galvanized Steel (RGS) Expansion Fitting, 8" Conduit Movement..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	96.55 11.39 5.69	15.18
26 05 33 13-0379 EA 3/4" Rigid Galvanized Steel (RGS) Expansion Fitting, 8" Conduit Movement..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	107.44 12.81 6.40	17.08
26 05 33 13-0380 EA 1" Rigid Galvanized Steel (RGS) Expansion Fitting, 8" Conduit Movement <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	129.62 14.23 7.12	18.97
26 05 33 13-0381 EA 1-1/4" Rigid Galvanized Steel (RGS) Expansion Fitting, 8" Conduit Movement <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	161.89 15.65 7.83	20.87
26 05 33 13-0382 EA 1-1/2" Rigid Galvanized Steel (RGS) Expansion Fitting, 8" Conduit Movement <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	215.50 17.08 8.54	22.77
26 05 33 13-0383 EA 2" Rigid Galvanized Steel (RGS) Expansion Fitting, 8" Conduit Movement <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	262.19 18.50 9.25	24.66
26 05 33 13-0384 EA 2-1/2" Rigid Galvanized Steel (RGS) Expansion Fitting, 8" Conduit Movement <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	484.98 22.77 11.38	30.35
26 05 33 13-0385 EA 3" Rigid Galvanized Steel (RGS) Expansion Fitting, 8" Conduit Movement <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	553.29 28.46 14.23	37.94
26 05 33 13-0386 EA 3-1/2" Rigid Galvanized Steel (RGS) Expansion Fitting, 8" Conduit Movement <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	843.74 34.15 17.07	45.53
26 05 33 13-0387 EA 4" Rigid Galvanized Steel (RGS) Expansion Fitting, 8" Conduit Movement <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	913.45 36.99 18.50	49.32
26 05 33 13-0388 EA 5" Rigid Galvanized Steel (RGS) Expansion Fitting, 8" Conduit Movement <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	1,271.78 45.53 22.77	60.70
26 05 33 13-0389 EA 6" Rigid Galvanized Steel (RGS) Expansion Fitting, 8" Conduit Movement <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	1,568.12 50.54 25.27	67.35
26 05 33 13-0390 Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Expansion Fittings, 8" Conduit Movement <small>(26 05 33 13-0042)</small> Note: Type EX		
26 05 33 13-0391 EA 1/2" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Expansion Fitting, 8" Conduit Movement..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	108.84 11.39 5.69	15.18
26 05 33 13-0392 EA 3/4" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Expansion Fitting, 8" Conduit Movement..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	136.41 12.81 6.40	17.08
26 05 33 13-0393 EA 1" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Expansion Fitting, 8" Conduit Movement..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	168.75 14.23 7.12	18.97
26 05 33 13-0394 EA 1-1/4" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Expansion Fitting, 8" Conduit Movement..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	204.26 15.65 7.83	20.87
26 05 33 13-0395 EA 1-1/2" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Expansion Fitting, 8" Conduit Movement..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	272.87 17.08 8.54	22.77
26 05 33 13-0396 EA 2" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Expansion Fitting, 8" Conduit Movement..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	373.05 18.50 9.25	24.66
26 05 33 13-0397 EA 2-1/2" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Expansion Fitting, 8" Conduit Movement..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	576.25 22.77 11.38	30.35
26 05 33 13-0398 EA 3" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Expansion Fitting, 8" Conduit Movement..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	775.52 28.46 14.23	37.94

26 Electrical**26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0399	EA		3-1/2" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Expansion Fitting, 8" Conduit Movement.....	1,159.82	45.53
			<i>For Work In Restricted Working Space, Add</i>	34.15	
			<i>For Installation Above 14', Add</i>	17.07	
26 05 33 13-0400	EA		4" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Expansion Fitting, 8" Conduit Movement.....	1,201.34	49.32
			<i>For Work In Restricted Working Space, Add</i>	36.99	
			<i>For Installation Above 14', Add</i>	18.50	
26 05 33 13-0401	EA		5" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Expansion Fitting, 8" Conduit Movement.....	1,802.47	60.70
			<i>For Work In Restricted Working Space, Add</i>	45.53	
			<i>For Installation Above 14', Add</i>	22.77	
26 05 33 13-0402	EA		6" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Expansion Fitting, 8" Conduit Movement.....	2,231.32	67.35
			<i>For Work In Restricted Working Space, Add</i>	50.54	
			<i>For Installation Above 14', Add</i>	25.27	
26 05 33 13-0403 Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Deflection Expansion Fittings <small>(26 05 33 13-0042)</small>					
Note: Type DX					
26 05 33 13-0404	EA		1/2" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Deflection Expansion Fitting.....	184.59	15.18
			<i>For Work In Restricted Working Space, Add</i>	11.39	
			<i>For Installation Above 14', Add</i>	5.69	
26 05 33 13-0405	EA		3/4" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Deflection Expansion Fitting.....	219.48	17.08
			<i>For Work In Restricted Working Space, Add</i>	12.81	
			<i>For Installation Above 14', Add</i>	6.40	
26 05 33 13-0406	EA		1" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Deflection Expansion Fitting.....	264.62	18.97
			<i>For Work In Restricted Working Space, Add</i>	14.23	
			<i>For Installation Above 14', Add</i>	7.12	
26 05 33 13-0407	EA		1-1/4" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Deflection Expansion Fitting.....	310.49	20.87
			<i>For Work In Restricted Working Space, Add</i>	15.65	
			<i>For Installation Above 14', Add</i>	7.83	
26 05 33 13-0408	EA		1-1/2" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Deflection Expansion Fitting.....	343.22	22.77
			<i>For Work In Restricted Working Space, Add</i>	17.08	
			<i>For Installation Above 14', Add</i>	8.54	
26 05 33 13-0409	EA		2" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Deflection Expansion Fitting.....	422.73	24.66
			<i>For Work In Restricted Working Space, Add</i>	18.50	
			<i>For Installation Above 14', Add</i>	9.25	
26 05 33 13-0410	EA		2-1/2" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Deflection Expansion Fitting.....	557.81	30.35
			<i>For Work In Restricted Working Space, Add</i>	22.77	
			<i>For Installation Above 14', Add</i>	11.38	
26 05 33 13-0411	EA		3" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Deflection Expansion Fitting.....	707.17	37.94
			<i>For Work In Restricted Working Space, Add</i>	28.46	
			<i>For Installation Above 14', Add</i>	14.23	
26 05 33 13-0412	EA		3-1/2" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Deflection Expansion Fitting.....	796.88	45.53
			<i>For Work In Restricted Working Space, Add</i>	34.15	
			<i>For Installation Above 14', Add</i>	17.07	
26 05 33 13-0413	EA		4" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Deflection Expansion Fitting.....	963.87	49.32
			<i>For Work In Restricted Working Space, Add</i>	36.99	
			<i>For Installation Above 14', Add</i>	18.50	
26 05 33 13-0414	EA		5" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Deflection Expansion Fitting.....	1,638.72	60.70
			<i>For Work In Restricted Working Space, Add</i>	45.53	
			<i>For Installation Above 14', Add</i>	22.77	
26 05 33 13-0415	EA		6" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Deflection Expansion Fitting.....	2,593.47	67.35
			<i>For Work In Restricted Working Space, Add</i>	50.54	
			<i>For Installation Above 14', Add</i>	25.27	
26 05 33 13-0416 Rigid Galvanized Steel (RGS) Conduit Bonding Jumpers <small>(26 05 33 13-0042)</small>					
26 05 33 13-0417	EA		1/2" To 3/4" Conduit, 14" Bonding Jumper.....	49.21	7.59
			<i>For Work In Restricted Working Space, Add</i>	5.69	
			<i>For Installation Above 14', Add</i>	2.85	
26 05 33 13-0418	EA		1" To 1-1/4" Conduit, 14" Bonding Jumper.....	57.01	9.49
			<i>For Work In Restricted Working Space, Add</i>	7.12	
			<i>For Installation Above 14', Add</i>	3.56	
26 05 33 13-0419	EA		1-1/2" To 2" Conduit, 14" Bonding Jumper.....	70.15	11.38
			<i>For Work In Restricted Working Space, Add</i>	8.54	
			<i>For Installation Above 14', Add</i>	4.27	
26 05 33 13-0420	EA		2-1/2" To 3" Conduit, 14" Bonding Jumper.....	98.18	15.18
			<i>For Work In Restricted Working Space, Add</i>	11.38	
			<i>For Installation Above 14', Add</i>	5.69	
26 05 33 13-0421	EA		3-1/2" To 4" Conduit, 14" Bonding Jumper.....	148.67	22.77
			<i>For Work In Restricted Working Space, Add</i>	17.08	
			<i>For Installation Above 14', Add</i>	8.54	
26 05 33 13-0422	EA		5" To 6" Conduit, 14" Bonding Jumper.....	250.20	30.35
			<i>For Work In Restricted Working Space, Add</i>	22.77	
			<i>For Installation Above 14', Add</i>	11.38	
26 05 33 13-0423	EA		1/2" To 3/4" Conduit, 24" Bonding Jumper.....	54.39	7.59
			<i>For Work In Restricted Working Space, Add</i>	5.69	
			<i>For Installation Above 14', Add</i>	2.85	
26 05 33 13-0424	EA		1" To 1-1/4" Conduit, 24" Bonding Jumper.....	63.55	9.49
			<i>For Work In Restricted Working Space, Add</i>	7.12	
			<i>For Installation Above 14', Add</i>	3.56	
26 05 33 13-0425	EA		1-1/2" To 2" Conduit, 24" Bonding Jumper.....	76.14	11.38
			<i>For Work In Restricted Working Space, Add</i>	8.54	
			<i>For Installation Above 14', Add</i>	4.27	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0426 EA 2-1/2" To 3" Conduit, 24" Bonding Jumper <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	106.14 11.38 5.69	15.18
26 05 33 13-0427 EA 3-1/2" To 4" Conduit, 24" Bonding Jumper <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	159.22 17.08 8.54	22.77
26 05 33 13-0428 EA 5" To 6" Conduit, 24" Bonding Jumper <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	284.24 22.77 11.38	30.35
26 05 33 13-0429 Rigid Galvanized Steel (RGS) Sealing Fittings, Vertical/Horizontal <small>(26 05 33 13-0042)</small>		
26 05 33 13-0430 EA 1/2" Rigid Galvanized Steel (RGS) Sealing Fitting, Vertical/Horizontal..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	66.17 14.23 7.11 14.23	23.72
26 05 33 13-0431 EA 3/4" Rigid Galvanized Steel (RGS) Sealing Fitting, Vertical/Horizontal..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	78.93 17.08 8.54 17.08	28.46
26 05 33 13-0432 EA 1" Rigid Galvanized Steel (RGS) Sealing Fitting, Vertical/Horizontal..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	94.69 19.92 9.96 19.92	33.20
26 05 33 13-0433 EA 1-1/4" Rigid Galvanized Steel (RGS) Sealing Fitting, Vertical/Horizontal <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	110.24 22.77 11.38 22.77	37.94
26 05 33 13-0434 EA 1-1/2" Rigid Galvanized Steel (RGS) Sealing Fitting, Vertical/Horizontal <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	137.10 25.61 12.81 25.61	42.69
26 05 33 13-0435 EA 2" Rigid Galvanized Steel (RGS) Sealing Fitting, Vertical/Horizontal..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	161.86 28.46 14.23 28.46	47.43
26 05 33 13-0436 EA 2-1/2" Rigid Galvanized Steel (RGS) Conduit Sealing Fitting, Vertical/Horizontal <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	217.94 34.15 17.07 34.15	56.92
26 05 33 13-0437 EA 3" Rigid Galvanized Steel (RGS) Sealing Fitting, Vertical/Horizontal..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	259.98 39.84 19.92 39.84	66.40
26 05 33 13-0438 EA 3-1/2" Rigid Galvanized Steel (RGS) Sealing Fitting, Vertical/Horizontal <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	518.57 45.53 22.77 45.53	75.89
26 05 33 13-0439 EA 4" Rigid Galvanized Steel (RGS) Sealing Fitting, Vertical/Horizontal..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	595.25 51.22 25.61 51.22	85.38
26 05 33 13-0440 Rigid Galvanized Steel (RGS) Threaded Couplings <small>(26 05 33 13-0042)</small>		
26 05 33 13-0441 EA 1/2" Rigid Galvanized Steel (RGS) Threaded Coupling..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	12.36 3.41 1.71	5.69
26 05 33 13-0442 EA 3/4" Rigid Galvanized Steel (RGS) Threaded Coupling..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	17.35 4.84 2.42	8.07
26 05 33 13-0443 EA 1" Rigid Galvanized Steel (RGS) Threaded Coupling..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	22.75 6.26 3.13	10.43
26 05 33 13-0444 EA 1-1/4" Rigid Galvanized Steel (RGS) Threaded Coupling..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	26.09 7.12 3.56	11.85
26 05 33 13-0445 EA 1-1/2" Rigid Galvanized Steel (RGS) Threaded Coupling..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	31.43 8.54 4.27	14.23
26 05 33 13-0446 EA 2" Rigid Galvanized Steel (RGS) Threaded Coupling..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	36.68 9.68 4.84	16.12
26 05 33 13-0447 EA 2-1/2" Rigid Galvanized Steel (RGS) Threaded Coupling..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	45.97 10.81 5.41	18.03
26 05 33 13-0448 EA 3" Rigid Galvanized Steel (RGS) Threaded Coupling..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	53.69 12.23 6.12	20.39
26 05 33 13-0449 EA 3-1/2" Rigid Galvanized Steel (RGS) Threaded Coupling..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	62.02 13.37 6.69	22.30
26 05 33 13-0450 EA 4" Threaded Rigid Galvanized Steel (RGS) Coupling..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	65.60 14.23 7.11	23.72

26 Electrical**26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33	13-0451		Rigid Galvanized Steel (RGS) Sealing Locknut <small>(26 05 33 13-0042)</small>		
	26 05 33 13-0452	EA	1/2" Rigid Galvanized Steel (RGS) Sealing Locknut.....	2.76	0.95
	26 05 33 13-0453	EA	3/4" Rigid Galvanized Steel (RGS) Sealing Locknut.....	3.85	1.42
	26 05 33 13-0454	EA	1" Rigid Galvanized Steel (RGS) Sealing Locknut.....	6.39	2.37
	26 05 33 13-0455	EA	1-1/4" Rigid Galvanized Steel (RGS) Sealing Locknut.....	9.22	3.32
	26 05 33 13-0456	EA	1-1/2" Rigid Galvanized Steel (RGS) Sealing Locknut.....	11.00	3.80
	26 05 33 13-0457	EA	2" Rigid Galvanized Steel (RGS) Sealing Locknut.....	12.88	4.27
26 05 33	13-0458		Rigid Galvanized Steel (RGS) Fire Stop Fittings <small>(26 05 33 13-0042)</small>		
	26 05 33 13-0459	EA	1/2" Rigid Galvanized Steel (RGS) Fire Stop Fitting.....	103.45	11.51
			<i>For Work In Restricted Working Space, Add</i>	8.63	
			<i>For Installation Above 14', Add</i>	4.32	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.63	
	26 05 33 13-0460	EA	3/4" Rigid Galvanized Steel (RGS) Fire Stop Fitting.....	106.22	12.62
			<i>For Work In Restricted Working Space, Add</i>	9.47	
			<i>For Installation Above 14', Add</i>	4.73	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.47	
	26 05 33 13-0461	EA	1" Rigid Galvanized Steel (RGS) Fire Stop Fitting.....	125.95	13.85
			<i>For Work In Restricted Working Space, Add</i>	10.37	
			<i>For Installation Above 14', Add</i>	5.18	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.37	
	26 05 33 13-0462	EA	1-1/4" Rigid Galvanized Steel (RGS) Fire Stop Fitting.....	138.28	15.18
			<i>For Work In Restricted Working Space, Add</i>	11.39	
			<i>For Installation Above 14', Add</i>	5.70	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.39	
	26 05 33 13-0463	EA	1-1/2" Rigid Galvanized Steel (RGS) Fire Stop Fitting.....	157.48	17.08
			<i>For Work In Restricted Working Space, Add</i>	12.81	
			<i>For Installation Above 14', Add</i>	6.40	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.81	
	26 05 33 13-0464	EA	2" Rigid Galvanized Steel (RGS) Fire Stop Fitting.....	225.77	18.97
			<i>For Work In Restricted Working Space, Add</i>	14.24	
			<i>For Installation Above 14', Add</i>	7.12	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.24	
	26 05 33 13-0465	EA	2-1/2" Rigid Galvanized Steel (RGS) Fire Stop Fitting.....	263.87	25.32
			<i>For Work In Restricted Working Space, Add</i>	18.98	
			<i>For Installation Above 14', Add</i>	9.49	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18.98	
	26 05 33 13-0466	EA	3" Rigid Galvanized Steel (RGS) Fire Stop Fitting.....	292.42	27.80
			<i>For Work In Restricted Working Space, Add</i>	20.86	
			<i>For Installation Above 14', Add</i>	10.43	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20.86	
	26 05 33 13-0467	EA	3-1/2" Rigid Galvanized Steel (RGS) Fire Stop Fitting.....	337.80	30.35
			<i>For Work In Restricted Working Space, Add</i>	22.77	
			<i>For Installation Above 14', Add</i>	11.39	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	22.77	
	26 05 33 13-0468	EA	4" Rigid Galvanized Steel (RGS) Fire Stop Fitting.....	380.71	34.15
			<i>For Work In Restricted Working Space, Add</i>	25.61	
			<i>For Installation Above 14', Add</i>	12.81	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	25.61	
	26 05 33 13-0469	EA	5" Rigid Galvanized Steel (RGS) Fire Stop Fitting.....	501.63	37.94
			<i>For Work In Restricted Working Space, Add</i>	28.46	
			<i>For Installation Above 14', Add</i>	14.23	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	28.46	
	26 05 33 13-0470	EA	6" Rigid Galvanized Steel (RGS) Fire Stop Fitting.....	617.95	42.12
			<i>For Work In Restricted Working Space, Add</i>	31.59	
			<i>For Installation Above 14', Add</i>	15.80	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	31.59	
26 05 33	13-0471		Rigid Galvanized Steel (RGS) Reducing Bushings <small>(26 05 33 13-0042)</small>		
	26 05 33 13-0472	EA	3/4" x 1/2" Rigid Galvanized Steel (RGS) Reducing Bushing.....	15.37	7.36
			<i>For Work In Restricted Working Space, Add</i>	4.41	
			<i>For Installation Above 14', Add</i>	2.21	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.41	
	26 05 33 13-0473	EA	1" x 1/2" Rigid Galvanized Steel (RGS) Reducing Bushing.....	16.88	7.83
			<i>For Work In Restricted Working Space, Add</i>	4.70	
			<i>For Installation Above 14', Add</i>	2.35	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.70	
	26 05 33 13-0474	EA	1" x 3/4" Rigid Galvanized Steel (RGS) Reducing Bushing.....	17.35	8.07
			<i>For Work In Restricted Working Space, Add</i>	4.84	
			<i>For Installation Above 14', Add</i>	2.42	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.84	
	26 05 33 13-0475	EA	1-1/4" x 1/2" Rigid Galvanized Steel (RGS) Reducing Bushing.....	19.80	8.30
			<i>For Work In Restricted Working Space, Add</i>	4.98	
			<i>For Installation Above 14', Add</i>	2.49	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.98	
	26 05 33 13-0476	EA	1-1/4" x 3/4" Rigid Galvanized Steel (RGS) Reducing Bushing.....	20.28	8.54
			<i>For Work In Restricted Working Space, Add</i>	5.12	
			<i>For Installation Above 14', Add</i>	2.56	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.12	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0477 EA 1-1/4" x 1" Rigid Galvanized Steel (RGS) Reducing Bushing..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	21.23 5.41 2.70 5.41	9.01
26 05 33 13-0478 EA 1-1/2" x 1/2" Rigid Galvanized Steel (RGS) Reducing Bushing..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	22.85 5.69 2.85 5.69	9.49
26 05 33 13-0479 EA 1-1/2" x 3/4" Rigid Galvanized Steel (RGS) Reducing Bushing..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	23.33 5.84 2.92 5.84	9.72
26 05 33 13-0480 EA 1-1/2" x 1" Rigid Galvanized Steel (RGS) Reducing Bushing..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	24.27 6.12 3.06 6.12	10.20
26 05 33 13-0481 EA 1-1/2" x 1-1/4" Rigid Galvanized Steel (RGS) Reducing Bushing..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	25.22 6.40 3.20 6.40	10.67
26 05 33 13-0482 EA 2" x 1/2" Rigid Galvanized Steel (RGS) Reducing Bushing..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	29.85 6.40 3.20 6.40	10.67
26 05 33 13-0483 EA 2" x 3/4" Rigid Galvanized Steel (RGS) Reducing Bushing..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	30.32 6.54 3.27 6.54	10.91
26 05 33 13-0484 EA 2" x 1" Rigid Galvanized Steel (RGS) Reducing Bushing..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	31.28 6.83 3.42 6.83	11.38
26 05 33 13-0485 EA 2" x 1-1/4" Rigid Galvanized Steel (RGS) Reducing Bushing..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	32.23 7.12 3.56 7.12	11.85
26 05 33 13-0486 EA 2" x 1-1/2" Rigid Galvanized Steel (RGS) Reducing Bushing..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	34.59 7.82 3.91 7.82	13.05
26 05 33 13-0487 EA 2-1/2" x 2" Rigid Galvanized Steel (RGS) Reducing Bushing..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	43.44 9.25 4.62 9.25	15.41
26 05 33 13-0488 Rigid Galvanized Steel (RGS) Locknuts <small>(26 05 33 13-0042)</small>		
26 05 33 13-0489 EA 1/2" Rigid Galvanized Steel (RGS) Locknuts..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	1.95 0.57 0.28	0.95
26 05 33 13-0490 EA 3/4" Rigid Galvanized Steel (RGS) Locknuts..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	2.94 0.86 0.43	1.42
26 05 33 13-0491 EA 1" Rigid Galvanized Steel (RGS) Locknuts..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	4.89 1.42 0.71	2.37
26 05 33 13-0492 EA 1-1/4" Rigid Galvanized Steel (RGS) Locknuts..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	6.88 1.99 1.00	3.32
26 05 33 13-0493 EA 1-1/2" Rigid Galvanized Steel (RGS) Locknuts..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	7.90 2.28 1.14	3.80
26 05 33 13-0494 EA 2" Rigid Galvanized Steel (RGS) Locknuts..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	8.92 2.56 1.28	4.27
26 05 33 13-0495 EA 2-1/2" Rigid Galvanized Steel (RGS) Locknuts..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	12.39 3.41 1.71	5.69
26 05 33 13-0496 EA 3" Rigid Galvanized Steel (RGS) Locknuts..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	15.34 4.27 2.13	7.11
26 05 33 13-0497 EA 3-1/2" Rigid Galvanized Steel (RGS) Locknuts..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	17.97 4.84 2.42	8.07
26 05 33 13-0498 EA 4" Rigid Galvanized Steel (RGS) Locknuts..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	20.16 5.41 2.70	9.01
26 05 33 13-0499 Rigid Galvanized Steel (RGS) Grounding Locknuts <small>(26 05 33 13-0042)</small>		
26 05 33 13-0500 EA 1/2" Rigid Galvanized Steel (RGS) Grounding Locknuts..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	2.81 0.57 0.28	0.95

26 Electrical**26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0501 EA 3/4" Rigid Galvanized Steel (RGS) Grounding Locknuts <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	3.96 0.86 0.43	1.42
26 05 33 13-0502 EA 1" Rigid Galvanized Steel (RGS) Grounding Locknuts <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	6.32 1.42 0.71	2.37
26 05 33 13-0503 EA 1-1/4" Rigid Galvanized Steel (RGS) Grounding Locknuts <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	8.84 1.99 1.00	3.32
26 05 33 13-0504 EA 1-1/2" Rigid Galvanized Steel (RGS) Grounding Locknuts <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	10.00 2.28 1.14	3.80
26 05 33 13-0505 EA 2" Rigid Galvanized Steel (RGS) Grounding Locknuts <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	11.69 2.56 1.28	4.27
26 05 33 13-0506 EA 2-1/2" Rigid Galvanized Steel (RGS) Grounding Locknuts <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	17.23 3.41 1.71	5.69
26 05 33 13-0507 EA 3" Rigid Galvanized Steel (RGS) Grounding Locknuts <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	21.66 4.27 2.13	7.11
26 05 33 13-0508 EA 3-1/2" Rigid Galvanized Steel (RGS) Grounding Locknuts <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	28.18 4.84 2.42	8.07
26 05 33 13-0509 EA 4" Rigid Galvanized Steel (RGS) Grounding Locknuts <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	33.58 5.41 2.70	9.01
26 05 33 13-0510 Rigid Galvanized Steel (RGS) Insulated Ground Bushing <small>(26 05 33 13-0042)</small>		
26 05 33 13-0511 EA 1/2" Rigid Galvanized Steel (RGS) Insulated Ground Bushing <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	8.00 1.71 0.85	2.85
26 05 33 13-0512 EA 3/4" Rigid Galvanized Steel (RGS) Insulated Ground Bushing <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	10.09 2.28 1.14	3.80
26 05 33 13-0513 EA 1" Rigid Galvanized Steel (RGS) Insulated Ground Bushing <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	12.86 2.85 1.42	4.74
26 05 33 13-0514 EA 1-1/4" Rigid Galvanized Steel (RGS) Insulated Ground Bushing <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	18.95 4.55 2.28	7.59
26 05 33 13-0515 EA 1-1/2" Rigid Galvanized Steel (RGS) Insulated Ground Bushing <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	21.34 5.12 2.56	8.54
26 05 33 13-0516 EA 2" Rigid Galvanized Steel (RGS) Insulated Ground Bushing <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	24.19 5.69 2.85	9.49
26 05 33 13-0517 EA 2-1/2" Rigid Galvanized Steel (RGS) Insulated Ground Bushing <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	32.87 6.83 3.42	11.38
26 05 33 13-0518 EA 3" Rigid Galvanized Steel (RGS) Insulated Ground Bushing <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	40.02 8.54 4.27	14.23
26 05 33 13-0519 EA 3-1/2" Rigid Galvanized Steel (RGS) Insulated Ground Bushing <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	49.89 11.38 5.69	18.97
26 05 33 13-0520 EA 4" Rigid Galvanized Steel (RGS) Insulated Ground Bushing <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	60.93 14.23 7.11	23.72
26 05 33 13-0521 Rigid Galvanized Steel (RGS) Threadless Compression Connectors <small>(26 05 33 13-0042)</small>		
26 05 33 13-0522 EA 1/2" Rigid Galvanized Steel (RGS) Threadless Compression Connectors <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	18.70 5.12 2.56	8.54
26 05 33 13-0523 EA 3/4" Rigid Galvanized Steel (RGS) Threadless Compression Connectors <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	21.58 5.69 2.85	9.49
26 05 33 13-0524 EA 1" Rigid Galvanized Steel (RGS) Threadless Compression Connectors <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	27.79 7.12 3.56	11.85
26 05 33 13-0525 EA 1-1/4" Rigid Galvanized Steel (RGS) Threadless Compression Connectors <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	36.12 8.54 4.27	14.23
26 05 33 13-0526 EA 1-1/2" Rigid Galvanized Steel (RGS) Threadless Compression Connectors <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	48.55 11.38 5.69	18.97
26 05 33 13-0527 EA 2" Rigid Galvanized Steel (RGS) Threadless Compression Connectors <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	67.79 14.23 7.11	23.72
26 05 33 13-0528 EA 2-1/2" Rigid Galvanized Steel (RGS) Threadless Compression Connectors <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	103.88 17.08 8.54	28.46



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0529 EA 3" Rigid Galvanized Steel (RGS) Threadless Compression Connectors <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	128.65 19.92 9.96	33.20
26 05 33 13-0530 EA 3-1/2" Rigid Galvanized Steel (RGS) Threadless Compression Connectors <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	161.98 24.19 12.09	40.31
26 05 33 13-0531 EA 4" Rigid Galvanized Steel (RGS) Threadless Compression Connectors <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	194.44 28.46 14.23	47.43
 26 05 33 13-0532 Rigid Galvanized Steel (RGS) Compression Coupling <small>(26 05 33 13-0042)</small>		
26 05 33 13-0533 EA 1/2" Rigid Galvanized Steel (RGS) Compression Coupling <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	26.33 7.12 3.56	11.85
26 05 33 13-0534 EA 3/4" Rigid Galvanized Steel (RGS) Compression Coupling <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	32.65 8.54 4.27	14.23
26 05 33 13-0535 EA 1" Rigid Galvanized Steel (RGS) Compression Coupling <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	45.24 11.38 5.69	18.97
26 05 33 13-0536 EA 1-1/4" Rigid Galvanized Steel (RGS) Compression Coupling <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	58.24 14.23 7.11	23.72
26 05 33 13-0537 EA 1-1/2" Rigid Galvanized Steel (RGS) Compression Coupling <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	71.00 17.08 8.54	28.46
26 05 33 13-0538 EA 2" Rigid Galvanized Steel (RGS) Compression Connector <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	97.18 19.92 9.96	33.20
26 05 33 13-0539 EA 2-1/2" Rigid Galvanized Steel (RGS) Compression Coupling <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	140.73 22.77 11.38	37.94
26 05 33 13-0540 EA 3" Rigid Galvanized Steel (RGS) Compression Coupling <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	151.36 19.64 9.82	32.73
26 05 33 13-0541 EA 3-1/2" Rigid Galvanized Steel (RGS) Compression Coupling <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	212.69 29.88 14.94	49.80
26 05 33 13-0542 EA 4" Rigid Galvanized Steel (RGS) Compression Coupling <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	258.54 34.15 17.07	56.92
 26 05 33 13-0543 Rigid Galvanized Steel (RGS) Knock Out Seal <small>(26 05 33 13-0042)</small>		
26 05 33 13-0544 EA 1/2" Snap-in Knock Out Seal <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	4.94 1.42 0.71	2.37
26 05 33 13-0545 EA 3/4" Snap-in Knock Out Seal <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	5.95 1.71 0.85	2.85
26 05 33 13-0546 EA 1" Snap-in Knock Out Seal <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	7.05 1.99 1.00	3.32
26 05 33 13-0547 EA 1-1/4" Snap-in Knock Out Seal <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	9.07 2.56 1.28	4.27
26 05 33 13-0548 EA 1-1/2" Snap-in Knock Out Seal <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	10.23 2.85 1.42	4.74
26 05 33 13-0549 EA 2" Snap-in Knock Out Seal <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	12.43 3.41 1.71	5.69
26 05 33 13-0550 EA 2-1/2" 3-Piece Knock Out Seal <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	16.68 4.27 2.13	7.11
26 05 33 13-0551 EA 3" 3-Piece Knock Out Seal <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	19.23 4.84 2.42	8.07
26 05 33 13-0552 EA 3-1/2" 3-Piece Knock Out Seal <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	21.64 5.41 2.70	9.01
26 05 33 13-0553 EA 4" 3-Piece Knock Out Seal <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	24.69 5.98 2.99	9.96
 26 05 33 13-0554 Rigid Galvanized Steel (RGS) Chase Nipples <small>(26 05 33 13-0042)</small>		
26 05 33 13-0555 EA 1/2" Rigid Galvanized Steel (RGS) Chase Nipple <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.68 3.41 1.71 3.41	5.69

26 Electrical**26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0556 EA 3/4" Rigid Galvanized Steel (RGS) Chase Nipple.....	13.78	6.64
For Work In Restricted Working Space, Add	3.98	
For Installation Above 14', Add	1.99	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.98	
26 05 33 13-0557 EA 1" Rigid Galvanized Steel (RGS) Chase Nipple.....	17.21	8.07
For Work In Restricted Working Space, Add	4.84	
For Installation Above 14', Add	2.42	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.84	
26 05 33 13-0558 EA 1-1/4" Rigid Galvanized Steel (RGS) Chase Nipple.....	20.87	9.49
For Work In Restricted Working Space, Add	5.69	
For Installation Above 14', Add	2.85	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.69	
26 05 33 13-0559 EA 1-1/2" Rigid Galvanized Steel (RGS) Chase Nipple.....	26.16	11.85
For Work In Restricted Working Space, Add	7.12	
For Installation Above 14', Add	3.56	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.12	
26 05 33 13-0560 EA 2" Rigid Galvanized Steel (RGS) Chase Nipple.....	32.42	14.23
For Work In Restricted Working Space, Add	8.54	
For Installation Above 14', Add	4.27	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.54	
26 05 33 13-0561 EA 2-1/2" Rigid Galvanized Steel (RGS) Chase Nipple.....	40.73	16.60
For Work In Restricted Working Space, Add	9.96	
For Installation Above 14', Add	4.98	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.96	
26 05 33 13-0562 EA 3" Rigid Galvanized Steel (RGS) Chase Nipple.....	45.67	18.97
For Work In Restricted Working Space, Add	11.38	
For Installation Above 14', Add	5.69	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	11.38	
26 05 33 13-0563 EA 3-1/2" Rigid Galvanized Steel (RGS) Chase Nipple.....	56.35	21.34
For Work In Restricted Working Space, Add	12.81	
For Installation Above 14', Add	6.40	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.81	
26 05 33 13-0564 EA 4" Rigid Galvanized Steel (RGS) Chase Nipple.....	76.06	23.72
For Work In Restricted Working Space, Add	14.23	
For Installation Above 14', Add	7.11	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	14.23	
26 05 33 13-0565 Rigid Galvanized Steel (RGS) Pulling Elbow (26 05 33 13-0042)		
26 05 33 13-0566 EA 1/2" Rigid Galvanized Steel (RGS) Pulling Elbow.....	22.27	8.54
For Work In Restricted Working Space, Add	5.12	
For Installation Above 14', Add	2.56	
26 05 33 13-0567 EA 3/4" Rigid Galvanized Steel (RGS) Pulling Elbow.....	25.88	9.96
For Work In Restricted Working Space, Add	5.98	
For Installation Above 14', Add	2.99	
26 05 33 13-0568 EA 1" Rigid Galvanized Steel (RGS) Pulling Elbow.....	32.67	11.38
For Work In Restricted Working Space, Add	6.83	
For Installation Above 14', Add	3.42	
26 05 33 13-0569 EA 1-1/4" Rigid Galvanized Steel (RGS) Pulling Elbow.....	41.79	14.23
For Work In Restricted Working Space, Add	8.54	
For Installation Above 14', Add	4.27	
26 05 33 13-0570 EA 1-1/2" Rigid Galvanized Steel (RGS) Pulling Elbow.....	55.31	17.08
For Work In Restricted Working Space, Add	10.25	
For Installation Above 14', Add	5.12	
26 05 33 13-0571 EA 2" Rigid Galvanized Steel (RGS) Pulling Elbow.....	73.33	19.92
For Work In Restricted Working Space, Add	11.95	
For Installation Above 14', Add	5.98	
26 05 33 13-0572 EA 2-1/2" Rigid Galvanized Steel (RGS) Pulling Elbow.....	100.82	22.77
For Work In Restricted Working Space, Add	13.66	
For Installation Above 14', Add	6.83	
26 05 33 13-0573 EA 3" Rigid Galvanized Steel (RGS) Pulling Elbow.....	174.05	28.46
For Work In Restricted Working Space, Add	17.08	
For Installation Above 14', Add	8.54	
26 05 33 13-0574 Electrical Metallic Tubing (EMT) Thinwall Conduit (26 05 33 13-0041)		
Note: Exposed installation, branch and feeder conduit. Excludes supporting strap, hanger and fastening.		
26 05 33 13-0575 Electrical Metallic Tubing (EMT) Thinwall Conduit (26 05 33 13-0574)		
Note: Includes field bending conduit up to and including 1".		
26 05 33 13-0576 LF 1/2" Electrical Metallic Tubing (EMT) Conduit.....	4.64	1.70
For >250 To 500, Deduct	-0.02	
For >500 To 1,000, Deduct	-0.24	
For >1,000, Deduct	-0.36	
For Installation In Metal Stud Wall, Add	0.43	
For Installation In Wood Stud Wall (Includes Drilling), Add	1.07	
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	0.64	
For Work In Restricted Working Space, Add	1.28	
For Installation Above 14', Add	0.64	
For Factory Applied Color Coating, Add	0.11	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0577 LF 3/4" Electrical Metallic Tubing (EMT) Conduit.....	5.32	1.89
For >250 To 500, Deduct	-0.03	
For >500 To 1,000, Deduct	-0.28	
For >1,000, Deduct	-0.41	
For Installation In Metal Stud Wall, Add	0.47	
For Installation In Wood Stud Wall (Includes Drilling), Add	1.19	
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	0.71	
For Work In Restricted Working Space, Add	1.42	
For Installation Above 14', Add	0.71	
For Factory Applied Color Coating, Add	0.17	
26 05 33 13-0578 LF 1" Electrical Metallic Tubing (EMT) Conduit.....	6.18	2.08
For >250 To 500, Deduct	-0.05	
For >500 To 1,000, Deduct	-0.33	
For >1,000, Deduct	-0.49	
For Installation In Metal Stud Wall, Add	0.52	
For Installation In Wood Stud Wall (Includes Drilling), Add	1.31	
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	0.78	
For Work In Restricted Working Space, Add	1.57	
For Installation Above 14', Add	0.78	
For Factory Applied Color Coating, Add	0.29	
26 05 33 13-0579 LF 1-1/4" Electrical Metallic Tubing (EMT) Conduit	7.39	2.35
For >250 To 500, Deduct	-0.08	
For >500 To 1,000, Deduct	-0.41	
For >1,000, Deduct	-0.59	
For Installation In Metal Stud Wall, Add	0.59	
For Installation In Wood Stud Wall (Includes Drilling), Add	1.47	
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	0.88	
For Work In Restricted Working Space, Add	1.76	
For Installation Above 14', Add	0.88	
For Factory Applied Color Coating, Add	0.45	
26 05 33 13-0580 LF 1-1/2" Electrical Metallic Tubing (EMT) Conduit	8.52	2.66
For >250 To 500, Deduct	-0.09	
For >500 To 1,000, Deduct	-0.47	
For >1,000, Deduct	-0.69	
For Installation In Metal Stud Wall, Add	0.66	
For Installation In Wood Stud Wall (Includes Drilling), Add	1.66	
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	1.00	
For Work In Restricted Working Space, Add	1.99	
For Installation Above 14', Add	1.00	
For Factory Applied Color Coating, Add	0.56	
26 05 33 13-0581 LF 2" Electrical Metallic Tubing (EMT) Conduit.....	9.82	3.04
For >250 To 500, Deduct	-0.11	
For >500 To 1,000, Deduct	-0.55	
For >1,000, Deduct	-0.79	
For Installation In Metal Stud Wall, Add	0.76	
For Installation In Wood Stud Wall (Includes Drilling), Add	1.90	
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	1.14	
For Work In Restricted Working Space, Add	2.28	
For Installation Above 14', Add	1.14	
For Factory Applied Color Coating, Add	0.67	
26 05 33 13-0582 LF 2-1/2" Electrical Metallic Tubing (EMT) Conduit	12.32	3.61
For >250 To 500, Deduct	-0.17	
For >500 To 1,000, Deduct	-0.70	
For >1,000, Deduct	-1.01	
For Installation In Metal Stud Wall, Add	0.90	
For Installation In Wood Stud Wall (Includes Drilling), Add	2.25	
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	1.35	
For Work In Restricted Working Space, Add	2.70	
For Installation Above 14', Add	1.35	
For Factory Applied Color Coating, Add	0.99	
26 05 33 13-0583 LF 3" Electrical Metallic Tubing (EMT) Conduit.....	14.57	4.18
For >250 To 500, Deduct	-0.21	
For >500 To 1,000, Deduct	-0.83	
For >1,000, Deduct	-1.20	
For Installation In Metal Stud Wall, Add	1.04	
For Installation In Wood Stud Wall (Includes Drilling), Add	2.61	
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	1.56	
For Work In Restricted Working Space, Add	3.13	
For Installation Above 14', Add	1.56	
For Factory Applied Color Coating, Add	1.24	
26 05 33 13-0584 LF 3-1/2" Electrical Metallic Tubing (EMT) Conduit	17.87	4.93
For >250 To 500, Deduct	-0.28	
For >500 To 1,000, Deduct	-1.03	
For >1,000, Deduct	-1.48	
For Installation In Metal Stud Wall, Add	1.23	
For Installation In Wood Stud Wall (Includes Drilling), Add	3.09	
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	1.85	
For Work In Restricted Working Space, Add	3.70	
For Installation Above 14', Add	1.85	
For Factory Applied Color Coating, Add	1.66	

26 Electrical**26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0585	LF		4" Electrical Metallic Tubing (EMT) Conduit.....	23.43	7.11
			<i>For >250 To 500, Deduct</i>	-0.28	
			<i>For >500 To 1,000, Deduct</i>	-1.31	
			<i>For >1,000, Deduct</i>	-1.90	
			<i>For Installation In Metal Stud Wall, Add</i>	1.78	
			<i>For Installation In Wood Stud Wall (Includes Drilling), Add</i>	4.44	
			<i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i>	2.66	
			<i>For Work In Restricted Working Space, Add</i>	5.33	
			<i>For Installation Above 14', Add</i>	2.66	
			<i>For Factory Applied Color Coating, Add</i>	1.70	
26 05 33 13-0586			Electrical Metallic Tubing (EMT) 90 Degree Elbows <small>(26 05 33 13-0574)</small>		
			See CSI section 26 05 33 13-2183 for conduit field bending.		
26 05 33 13-0587			Electrical Metallic Tubing (EMT) Set Screw Couplings <small>(26 05 33 13-0574)</small>		
26 05 33 13-0588	EA		1/2" Electrical Metallic Tubing (EMT) Set Screw Coupling.....	4.91	2.27
			<i>For Work In Restricted Working Space, Add</i>	1.42	
			<i>For Installation Above 14', Add</i>	0.71	
26 05 33 13-0589	EA		3/4" Electrical Metallic Tubing (EMT) Set Screw Coupling.....	5.98	2.27
			<i>For Work In Restricted Working Space, Add</i>	1.71	
			<i>For Installation Above 14', Add</i>	0.85	
26 05 33 13-0590	EA		1" Electrical Metallic Tubing (EMT) Set Screw Coupling.....	7.13	2.66
			<i>For Work In Restricted Working Space, Add</i>	1.99	
			<i>For Installation Above 14', Add</i>	0.99	
26 05 33 13-0591	EA		1-1/4" Electrical Metallic Tubing (EMT) Set Screw Coupling.....	9.42	3.42
			<i>For Work In Restricted Working Space, Add</i>	2.56	
			<i>For Installation Above 14', Add</i>	1.28	
26 05 33 13-0592	EA		1-1/2" Electrical Metallic Tubing (EMT) Set Screw Coupling.....	11.71	4.18
			<i>For Work In Restricted Working Space, Add</i>	3.13	
			<i>For Installation Above 14', Add</i>	1.57	
26 05 33 13-0593	EA		2" Electrical Metallic Tubing (EMT) Set Screw Coupling.....	15.90	5.69
			<i>For Work In Restricted Working Space, Add</i>	4.27	
			<i>For Installation Above 14', Add</i>	2.13	
26 05 33 13-0594	EA		2-1/2" Electrical Metallic Tubing (EMT) Set Screw Coupling.....	22.59	7.59
			<i>For Work In Restricted Working Space, Add</i>	5.69	
			<i>For Installation Above 14', Add</i>	2.85	
26 05 33 13-0595	EA		3" Electrical Metallic Tubing (EMT) Set Screw Coupling.....	28.13	8.73
			<i>For Work In Restricted Working Space, Add</i>	7.12	
			<i>For Installation Above 14', Add</i>	3.56	
26 05 33 13-0596	EA		3-1/2" Electrical Metallic Tubing (EMT) Set Screw Coupling.....	33.82	9.49
			<i>For Work In Restricted Working Space, Add</i>	8.54	
			<i>For Installation Above 14', Add</i>	4.27	
26 05 33 13-0597	EA		4" Electrical Metallic Tubing (EMT) Set Screw Coupling.....	89.66	25.76
			<i>For Work In Restricted Working Space, Add</i>	25.01	
			<i>For Installation Above 14', Add</i>	12.51	
26 05 33 13-0598			Electrical Metallic Tubing (EMT) Compression Couplings <small>(26 05 33 13-0574)</small>		
26 05 33 13-0599	EA		1/2 Electrical Metallic Tubing (EMT) Compression Coupling.....	6.50	2.49
			<i>For Work In Restricted Working Space, Add</i>	1.87	
			<i>For Installation Above 14', Add</i>	0.93	
26 05 33 13-0600	EA		3/4" Electrical Metallic Tubing (EMT) Compression Coupling.....	7.05	2.66
			<i>For Work In Restricted Working Space, Add</i>	1.99	
			<i>For Installation Above 14', Add</i>	1.00	
26 05 33 13-0601	EA		1" Electrical Metallic Tubing (EMT) Compression Coupling.....	10.18	3.80
			<i>For Work In Restricted Working Space, Add</i>	2.85	
			<i>For Installation Above 14', Add</i>	1.42	
26 05 33 13-0602	EA		1-1/4" Electrical Metallic Tubing (EMT) Compression Coupling.....	12.61	4.55
			<i>For Work In Restricted Working Space, Add</i>	3.41	
			<i>For Installation Above 14', Add</i>	1.71	
26 05 33 13-0603	EA		1-1/2" Electrical Metallic Tubing (EMT) Compression Coupling.....	15.03	5.31
			<i>For Work In Restricted Working Space, Add</i>	3.98	
			<i>For Installation Above 14', Add</i>	1.99	
26 05 33 13-0604	EA		2" Electrical Metallic Tubing (EMT) Compression Coupling.....	18.63	6.45
			<i>For Work In Restricted Working Space, Add</i>	4.84	
			<i>For Installation Above 14', Add</i>	2.42	
26 05 33 13-0605	EA		2-1/2" Electrical Metallic Tubing (EMT) Compression Coupling.....	30.83	9.55
			<i>For Work In Restricted Working Space, Add</i>	7.16	
			<i>For Installation Above 14', Add</i>	3.58	
26 05 33 13-0606	EA		3" Electrical Metallic Tubing (EMT) Compression Coupling.....	35.14	10.62
			<i>For Work In Restricted Working Space, Add</i>	7.97	
			<i>For Installation Above 14', Add</i>	3.98	
26 05 33 13-0607	EA		3-1/2" Electrical Metallic Tubing (EMT) Compression Coupling.....	44.42	13.28
			<i>For Work In Restricted Working Space, Add</i>	9.96	
			<i>For Installation Above 14', Add</i>	4.98	
26 05 33 13-0608	EA		4" Electrical Metallic Tubing (EMT) Compression Coupling.....	54.91	17.08
			<i>For Work In Restricted Working Space, Add</i>	12.81	
			<i>For Installation Above 14', Add</i>	6.40	
26 05 33 13-0609			Electrical Metallic Tubing (EMT) Box Connectors With Set Screw <small>(26 05 33 13-0574)</small>		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0610 EA 1/2" Electrical Metallic Tubing (EMT) Box Connector With Set Screw.....	4.93	1.89
<i>For Work In Restricted Working Space, Add</i>	1.42	
<i>For Installation Above 14', Add</i>	0.71	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1.42	
26 05 33 13-0611 EA 3/4" Electrical Metallic Tubing (EMT) Box Connector With Set Screw.....	6.02	2.27
<i>For Work In Restricted Working Space, Add</i>	1.71	
<i>For Installation Above 14', Add</i>	0.85	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1.71	
26 05 33 13-0612 EA 1" Electrical Metallic Tubing (EMT) Box Connector With Set Screw.....	7.12	2.66
<i>For Work In Restricted Working Space, Add</i>	1.99	
<i>For Installation Above 14', Add</i>	1.00	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1.99	
26 05 33 13-0613 EA 1-1/4" Electrical Metallic Tubing (EMT) Box Connector With Set Screw.....	10.29	3.80
<i>For Work In Restricted Working Space, Add</i>	2.85	
<i>For Installation Above 14', Add</i>	1.42	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.85	
26 05 33 13-0614 EA 1-1/2" Electrical Metallic Tubing (EMT) Box Connector With Set Screw.....	12.76	4.55
<i>For Work In Restricted Working Space, Add</i>	3.41	
<i>For Installation Above 14', Add</i>	1.71	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.41	
26 05 33 13-0615 EA 2" Electrical Metallic Tubing (EMT) Box Connector With Set Screw.....	16.02	5.69
<i>For Work In Restricted Working Space, Add</i>	4.27	
<i>For Installation Above 14', Add</i>	2.13	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.27	
26 05 33 13-0616 EA 2-1/2" Electrical Metallic Tubing (EMT) Box Connector With Set Screw.....	23.31	7.59
<i>For Work In Restricted Working Space, Add</i>	5.69	
<i>For Installation Above 14', Add</i>	2.85	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.69	
26 05 33 13-0617 EA 3" Electrical Metallic Tubing (EMT) Box Connector With Set Screw.....	28.88	9.49
<i>For Work In Restricted Working Space, Add</i>	7.12	
<i>For Installation Above 14', Add</i>	3.56	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.12	
26 05 33 13-0618 EA 3-1/2" Electrical Metallic Tubing (EMT) Box Connector With Set Screw.....	34.59	11.38
<i>For Work In Restricted Working Space, Add</i>	8.54	
<i>For Installation Above 14', Add</i>	4.27	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.54	
26 05 33 13-0619 EA 4" Electrical Metallic Tubing (EMT) Box Connector With Set Screw.....	40.29	13.28
<i>For Work In Restricted Working Space, Add</i>	9.96	
<i>For Installation Above 14', Add</i>	4.98	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.96	
26 05 33 13-0620 Electrical Metallic Tubing (EMT) Insulated Box Connectors With Set Screw		
<small>(26 05 33 13-0574)</small>		
26 05 33 13-0621 EA 1/2" Electrical Metallic Tubing (EMT) Insulated Box Connector With Set Screw.....	6.98	2.57
<i>For Work In Restricted Working Space, Add</i>	1.91	
<i>For Installation Above 14', Add</i>	0.95	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1.91	
26 05 33 13-0622 EA 3/4" Electrical Metallic Tubing (EMT) Insulated Box Connector With Set Screw.....	7.92	2.76
<i>For Work In Restricted Working Space, Add</i>	2.08	
<i>For Installation Above 14', Add</i>	1.04	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.08	
26 05 33 13-0623 EA 1" Electrical Metallic Tubing (EMT) Insulated Box Connector With Set Screw.....	10.12	3.42
<i>For Work In Restricted Working Space, Add</i>	2.54	
<i>For Installation Above 14', Add</i>	1.27	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.54	
26 05 33 13-0624 EA 1-1/4" Electrical Metallic Tubing (EMT) Insulated Box Connector With Set Screw.....	13.74	4.36
<i>For Work In Restricted Working Space, Add</i>	3.24	
<i>For Installation Above 14', Add</i>	1.62	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.24	
26 05 33 13-0625 EA 1-1/2" Electrical Metallic Tubing (EMT) Insulated Box Connector With Set Screw.....	16.93	5.03
<i>For Work In Restricted Working Space, Add</i>	3.79	
<i>For Installation Above 14', Add</i>	1.89	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.79	
26 05 33 13-0626 EA 2" Electrical Metallic Tubing (EMT) Insulated Box Connector With Set Screw.....	21.42	6.07
<i>For Work In Restricted Working Space, Add</i>	4.55	
<i>For Installation Above 14', Add</i>	2.28	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.55	
26 05 33 13-0627 EA 2-1/2" Electrical Metallic Tubing (EMT) Insulated Box Connector With Set Screw.....	48.69	8.44
<i>For Work In Restricted Working Space, Add</i>	6.32	
<i>For Installation Above 14', Add</i>	3.16	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.32	
26 05 33 13-0628 EA 3" Electrical Metallic Tubing (EMT) Insulated Box Connector With Set Screw.....	60.74	11.19
<i>For Work In Restricted Working Space, Add</i>	8.42	
<i>For Installation Above 14', Add</i>	4.21	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.42	
26 05 33 13-0629 EA 3-1/2" Electrical Metallic Tubing (EMT) Insulated Box Connector With Set Screw.....	80.52	14.42
<i>For Work In Restricted Working Space, Add</i>	10.84	
<i>For Installation Above 14', Add</i>	5.42	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.84	
26 05 33 13-0630 EA 4" Electrical Metallic Tubing (EMT) Insulated Box Connector With Set Screw.....	96.00	18.97
<i>For Work In Restricted Working Space, Add</i>	14.23	
<i>For Installation Above 14', Add</i>	7.11	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.23	

26 Electrical**26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0631			Electrical Metallic Tubing (EMT) Box Compression Connectors <small>(26 05 33 13-0574)</small>		
26 05 33 13-0632	EA		1/2" Electrical Metallic Tubing (EMT) Box Compression Connector	6.82	2.27
			<i>For Work In Restricted Working Space, Add</i>	1.71	
			<i>For Installation Above 14', Add</i>	0.85	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1.71	
26 05 33 13-0633	EA		3/4" Electrical Metallic Tubing (EMT) Box Compression Connector	8.19	2.66
			<i>For Work In Restricted Working Space, Add</i>	1.99	
			<i>For Installation Above 14', Add</i>	1.00	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1.99	
26 05 33 13-0634	EA		1" Electrical Metallic Tubing (EMT) Box Compression Connector	10.31	3.04
			<i>For Work In Restricted Working Space, Add</i>	2.28	
			<i>For Installation Above 14', Add</i>	1.14	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.28	
26 05 33 13-0635	EA		1-1/4" Electrical Metallic Tubing (EMT) Box Compression Connector	16.66	4.55
			<i>For Work In Restricted Working Space, Add</i>	3.41	
			<i>For Installation Above 14', Add</i>	1.71	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.41	
26 05 33 13-0636	EA		1-1/2" Electrical Metallic Tubing (EMT) Box Compression Connector	21.03	5.31
			<i>For Work In Restricted Working Space, Add</i>	3.98	
			<i>For Installation Above 14', Add</i>	1.99	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.98	
26 05 33 13-0637	EA		2" Electrical Metallic Tubing (EMT) Box Compression Connector	28.59	6.83
			<i>For Work In Restricted Working Space, Add</i>	5.12	
			<i>For Installation Above 14', Add</i>	2.56	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.12	
26 05 33 13-0638	EA		2-1/2" Electrical Metallic Tubing (EMT) Box Compression Connector	62.13	9.11
			<i>For Work In Restricted Working Space, Add</i>	6.83	
			<i>For Installation Above 14', Add</i>	3.42	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.83	
26 05 33 13-0639	EA		3" Electrical Metallic Tubing (EMT) Box Compression Connector	81.21	11.38
			<i>For Work In Restricted Working Space, Add</i>	8.54	
			<i>For Installation Above 14', Add</i>	4.27	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.54	
26 05 33 13-0640	EA		3-1/2" Electrical Metallic Tubing (EMT) Box Compression Connector	109.40	13.28
			<i>For Work In Restricted Working Space, Add</i>	9.96	
			<i>For Installation Above 14', Add</i>	4.98	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.96	
26 05 33 13-0641	EA		4" Electrical Metallic Tubing (EMT) Box Compression Connector	116.65	15.18
			<i>For Work In Restricted Working Space, Add</i>	11.38	
			<i>For Installation Above 14', Add</i>	5.69	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.38	
26 05 33 13-0642			Electrical Metallic Tubing (EMT) Insulated Box Compression Connectors <small>(26 05 33 13-0574)</small>		
26 05 33 13-0643	EA		1/2" Electrical Metallic Tubing (EMT) Insulated Box Compression Connector	7.61	2.57
			<i>For Work In Restricted Working Space, Add</i>	1.91	
			<i>For Installation Above 14', Add</i>	0.95	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1.91	
26 05 33 13-0644	EA		3/4" Electrical Metallic Tubing (EMT) Insulated Box Compression Connector	8.68	2.76
			<i>For Work In Restricted Working Space, Add</i>	2.08	
			<i>For Installation Above 14', Add</i>	1.04	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.08	
26 05 33 13-0645	EA		1" Electrical Metallic Tubing (EMT) Insulated Box Compression Connector	11.46	3.42
			<i>For Work In Restricted Working Space, Add</i>	2.54	
			<i>For Installation Above 14', Add</i>	1.27	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.54	
26 05 33 13-0646	EA		1-1/4" Electrical Metallic Tubing (EMT) Insulated Box Compression Connector	16.84	4.36
			<i>For Work In Restricted Working Space, Add</i>	3.24	
			<i>For Installation Above 14', Add</i>	1.62	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.24	
26 05 33 13-0647	EA		1-1/2" Electrical Metallic Tubing (EMT) Insulated Box Compression Connector	21.37	5.03
			<i>For Work In Restricted Working Space, Add</i>	3.79	
			<i>For Installation Above 14', Add</i>	1.89	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.79	
26 05 33 13-0648	EA		2" Electrical Metallic Tubing (EMT) Insulated Box Compression Connector	27.91	6.07
			<i>For Work In Restricted Working Space, Add</i>	4.55	
			<i>For Installation Above 14', Add</i>	2.28	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.55	
26 05 33 13-0649	EA		2-1/2" Electrical Metallic Tubing (EMT) Insulated Box Compression Connector	70.46	8.44
			<i>For Work In Restricted Working Space, Add</i>	6.32	
			<i>For Installation Above 14', Add</i>	3.16	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.32	
26 05 33 13-0650	EA		3" Electrical Metallic Tubing (EMT) Insulated Box Compression Connector	91.72	11.19
			<i>For Work In Restricted Working Space, Add</i>	8.42	
			<i>For Installation Above 14', Add</i>	4.21	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.42	
26 05 33 13-0651	EA		3-1/2" Electrical Metallic Tubing (EMT) Insulated Box Compression Connector	124.06	14.42
			<i>For Work In Restricted Working Space, Add</i>	10.84	
			<i>For Installation Above 14', Add</i>	5.42	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.84	
26 05 33 13-0652	EA		4" Electrical Metallic Tubing (EMT) Insulated Box Compression Connector	142.05	18.97
			<i>For Work In Restricted Working Space, Add</i>	14.23	
			<i>For Installation Above 14', Add</i>	7.11	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.23	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0653 Electrical Metallic Tubing (EMT) Expansion Fittings <small>(26 05 33 13-0574)</small>		
<i>Note: Excludes jumper.</i>		
26 05 33 13-0654 EA 1/2" Electrical Metallic Tubing (EMT) Expansion Fitting.....	56.69	12.62
<i>For Work In Restricted Working Space, Add</i>	9.47	
<i>For Installation Above 14', Add</i>	4.74	
26 05 33 13-0655 EA 3/4" Electrical Metallic Tubing (EMT) Expansion Fitting.....	68.24	15.27
<i>For Work In Restricted Working Space, Add</i>	11.48	
<i>For Installation Above 14', Add</i>	5.74	
26 05 33 13-0656 EA 1" Electrical Metallic Tubing (EMT) Expansion Fitting.....	85.74	19.16
<i>For Work In Restricted Working Space, Add</i>	14.35	
<i>For Installation Above 14', Add</i>	7.18	
26 05 33 13-0657 EA 1-1/4" Electrical Metallic Tubing (EMT) Expansion Fitting.....	105.56	23.53
<i>For Work In Restricted Working Space, Add</i>	17.65	
<i>For Installation Above 14', Add</i>	8.83	
26 05 33 13-0658 EA 1-1/2" Electrical Metallic Tubing (EMT) Expansion Fitting.....	132.47	27.61
<i>For Work In Restricted Working Space, Add</i>	20.70	
<i>For Installation Above 14', Add</i>	10.35	
26 05 33 13-0659 EA 2" Electrical Metallic Tubing (EMT) Expansion Fitting.....	178.34	33.58
<i>For Work In Restricted Working Space, Add</i>	25.21	
<i>For Installation Above 14', Add</i>	12.60	
26 05 33 13-0660 EA 2-1/2" Electrical Metallic Tubing (EMT) Expansion Fitting.....	256.89	43.16
<i>For Work In Restricted Working Space, Add</i>	32.38	
<i>For Installation Above 14', Add</i>	16.19	
26 05 33 13-0661 EA 3" Electrical Metallic Tubing (EMT) Expansion Fitting.....	308.66	50.46
<i>For Work In Restricted Working Space, Add</i>	37.86	
<i>For Installation Above 14', Add</i>	18.93	
26 05 33 13-0662 EA 3-1/2" Electrical Metallic Tubing (EMT) Expansion Fitting.....	388.79	55.01
<i>For Work In Restricted Working Space, Add</i>	41.27	
<i>For Installation Above 14', Add</i>	20.64	
26 05 33 13-0663 EA 4" Electrical Metallic Tubing (EMT) Expansion Fitting.....	469.14	60.70
<i>For Work In Restricted Working Space, Add</i>	45.55	
<i>For Installation Above 14', Add</i>	22.77	
26 05 33 13-0664 Electrical Metallic Tubing (EMT) To Flexible Conduit Compression Adapters <small>(26 05 33 13-0574)</small>		
26 05 33 13-0665 EA 1/2" To 3/8" Electrical Metallic Tubing (EMT) To Flexible Conduit Compression Adapter.....	9.93	3.42
<i>For Work In Restricted Working Space, Add</i>	2.53	
<i>For Installation Above 14', Add</i>	1.26	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.53	
26 05 33 13-0666 EA 1/2" Electrical Metallic Tubing (EMT) To Flexible Conduit Compression Adapter.....	11.16	3.42
<i>For Work In Restricted Working Space, Add</i>	2.53	
<i>For Installation Above 14', Add</i>	1.26	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.53	
26 05 33 13-0667 EA 3/4" Electrical Metallic Tubing (EMT) To Flexible Conduit Compression Adapter.....	12.89	3.70
<i>For Work In Restricted Working Space, Add</i>	2.81	
<i>For Installation Above 14', Add</i>	1.40	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.81	
26 05 33 13-0668 EA 1" Electrical Metallic Tubing (EMT) To Flexible Conduit Compression Adapter.....	19.91	4.27
<i>For Work In Restricted Working Space, Add</i>	3.20	
<i>For Installation Above 14', Add</i>	1.60	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.20	
26 05 33 13-0669 EA 1-1/4" Electrical Metallic Tubing (EMT) To Flexible Conduit Compression Adapter.....	24.12	5.12
<i>For Work In Restricted Working Space, Add</i>	3.86	
<i>For Installation Above 14', Add</i>	1.93	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.86	
26 05 33 13-0670 EA 1-1/2" Electrical Metallic Tubing (EMT) To Flexible Conduit Compression Adapter.....	27.46	5.88
<i>For Work In Restricted Working Space, Add</i>	4.42	
<i>For Installation Above 14', Add</i>	2.21	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.42	
26 05 33 13-0671 EA 2" Electrical Metallic Tubing (EMT) To Flexible Conduit Compression Adapter.....	36.91	7.40
<i>For Work In Restricted Working Space, Add</i>	5.52	
<i>For Installation Above 14', Add</i>	2.76	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.52	
26 05 33 13-0672 Intermediate Metal Conduit (IMC) <small>(26 05 33 13-0041)</small>		
<i>Note: Exposed installation, branch and feeder conduit. Excludes supporting strap, hanger and fastening.</i>		
26 05 33 13-0673 Intermediate Metal Conduit (IMC) Conduit <small>(26 05 33 13-0672)</small>		
<i>Note: Includes field bending conduit up to 1".</i>		
26 05 33 13-0674 LF 1/2" Intermediate Metal Conduit (IMC) Conduit.....	5.55	1.89
<i>For >250 To 500, Deduct</i>	-0.04	
<i>For >500 To 1,000, Deduct</i>	-0.06	
<i>For >1,000, Deduct</i>	-0.08	
<i>For Installation In Metal Stud Wall, Add</i>	0.47	
<i>For Installation In Wood Stud Wall (Includes Drilling), Add</i>	1.19	
<i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i>	0.71	
<i>For Work In Restricted Working Space, Add</i>	1.42	
<i>For Installation Above 14', Add</i>	0.71	

26 Electrical**26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0675 LF 3/4" Intermediate Metal Conduit (IMC) Conduit	6.19	2.08
For >250 To 500, Deduct	-0.05	
For >500 To 1,000, Deduct	-0.07	
For >1,000, Deduct	-0.10	
For Installation In Metal Stub Wall, Add	0.52	
For Installation In Wood Stud Wall (Includes Drilling), Add	1.31	
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	0.78	
For Work In Restricted Working Space, Add	1.57	
For Installation Above 14', Add	0.78	
26 05 33 13-0676 LF 1" Intermediate Metal Conduit (IMC) Conduit	7.18	2.27
For >250 To 500, Deduct	-0.07	
For >500 To 1,000, Deduct	-0.11	
For >1,000, Deduct	-0.15	
For Installation In Metal Stub Wall, Add	0.57	
For Installation In Wood Stud Wall (Includes Drilling), Add	1.42	
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	0.85	
For Work In Restricted Working Space, Add	1.71	
For Installation Above 14', Add	0.85	
26 05 33 13-0677 LF 1-1/4" Intermediate Metal Conduit (IMC) Conduit	8.53	4.55
For >250 To 500, Deduct	-0.09	
For >500 To 1,000, Deduct	-0.14	
For >1,000, Deduct	-0.19	
For Installation In Metal Stub Wall, Add	0.66	
For Installation In Wood Stud Wall (Includes Drilling), Add	1.66	
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	1.00	
For Work In Restricted Working Space, Add	1.99	
For Installation Above 14', Add	1.00	
26 05 33 13-0678 LF 1-1/2" Intermediate Metal Conduit (IMC) Conduit	9.82	3.04
For >250 To 500, Deduct	-0.11	
For >500 To 1,000, Deduct	-0.17	
For >1,000, Deduct	-0.22	
For Installation In Metal Stub Wall, Add	0.76	
For Installation In Wood Stud Wall (Includes Drilling), Add	1.90	
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	1.14	
For Work In Restricted Working Space, Add	2.28	
For Installation Above 14', Add	1.14	
26 05 33 13-0679 LF 2" Intermediate Metal Conduit (IMC) Conduit	11.57	3.42
For >250 To 500, Deduct	-0.15	
For >500 To 1,000, Deduct	-0.23	
For >1,000, Deduct	-0.30	
For Installation In Metal Stub Wall, Add	0.85	
For Installation In Wood Stud Wall (Includes Drilling), Add	2.14	
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	1.28	
For Work In Restricted Working Space, Add	2.56	
For Installation Above 14', Add	1.28	
26 05 33 13-0680 LF 2-1/2" Intermediate Metal Conduit (IMC) Conduit	18.09	4.55
For >250 To 500, Deduct	-0.34	
For >500 To 1,000, Deduct	-0.50	
For >1,000, Deduct	-0.67	
For Installation In Metal Stub Wall, Add	1.14	
For Installation In Wood Stud Wall (Includes Drilling), Add	2.85	
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	1.71	
For Work In Restricted Working Space, Add	3.41	
For Installation Above 14', Add	1.71	
26 05 33 13-0681 LF 3" Intermediate Metal Conduit (IMC) Conduit	22.48	5.69
For >250 To 500, Deduct	-0.41	
For >500 To 1,000, Deduct	-0.62	
For >1,000, Deduct	-0.83	
For Installation In Metal Stub Wall, Add	1.42	
For Installation In Wood Stud Wall (Includes Drilling), Add	3.56	
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	2.13	
For Work In Restricted Working Space, Add	4.27	
For Installation Above 14', Add	2.13	
26 05 33 13-0682 LF 3-1/2" Intermediate Metal Conduit (IMC) Conduit	26.64	6.83
For >250 To 500, Deduct	-0.48	
For >500 To 1,000, Deduct	-0.72	
For >1,000, Deduct	-0.96	
For Installation In Metal Stub Wall, Add	1.71	
For Installation In Wood Stud Wall (Includes Drilling), Add	4.27	
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	2.56	
For Work In Restricted Working Space, Add	5.12	
For Installation Above 14', Add	2.56	
26 05 33 13-0683 LF 4" Intermediate Metal Conduit (IMC) Conduit	31.17	7.97
For >250 To 500, Deduct	-0.56	
For >500 To 1,000, Deduct	-0.84	
For >1,000, Deduct	-1.13	
For Installation In Metal Stub Wall, Add	1.99	
For Installation In Wood Stud Wall (Includes Drilling), Add	4.98	
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	2.99	
For Work In Restricted Working Space, Add	5.98	
For Installation Above 14', Add	2.99	

26 05 33 13-0684 Intermediate Metal Conduit (IMC) 90 Degree Elbows (26 05 33 13-0672)
See CSI section 26 05 33 13-2183 for conduit field bending.



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0685 EA 1" Intermediate Metal Conduit (IMC) 90 Degree Elbow	42.58	14.32
<i>For Work In Restricted Working Space, Add</i>	10.71	
<i>For Installation Above 14', Add</i>	5.36	
26 05 33 13-0686 EA 1-1/4" Intermediate Metal Conduit (IMC) 90 Degree Elbow	51.10	16.60
<i>For Work In Restricted Working Space, Add</i>	12.44	
<i>For Installation Above 14', Add</i>	6.22	
26 05 33 13-0687 EA 1-1/2" Intermediate Metal Conduit (IMC) 90 Degree Elbow	59.77	19.07
<i>For Work In Restricted Working Space, Add</i>	14.28	
<i>For Installation Above 14', Add</i>	7.14	
26 05 33 13-0688 EA 2" Intermediate Metal Conduit (IMC) 90 Degree Elbow	69.88	20.96
<i>For Work In Restricted Working Space, Add</i>	15.71	
<i>For Installation Above 14', Add</i>	7.85	
26 05 33 13-0689 EA 2-1/2" Intermediate Metal Conduit (IMC) 90 Degree Elbow	95.20	26.18
<i>For Work In Restricted Working Space, Add</i>	19.63	
<i>For Installation Above 14', Add</i>	9.82	
26 05 33 13-0690 EA 3" Intermediate Metal Conduit (IMC) 90 Degree Elbow	134.71	35.66
<i>For Work In Restricted Working Space, Add</i>	26.75	
<i>For Installation Above 14', Add</i>	13.37	
26 05 33 13-0691 EA 3-1/2" Intermediate Metal Conduit (IMC) 90 Degree Elbow	180.99	40.22
<i>For Work In Restricted Working Space, Add</i>	30.17	
<i>For Installation Above 14', Add</i>	15.08	
26 05 33 13-0692 EA 4" Intermediate Metal Conduit (IMC) 90 Degree Elbow	224.18	52.36
<i>For Work In Restricted Working Space, Add</i>	39.26	
<i>For Installation Above 14', Add</i>	19.63	
26 05 33 13-0693 Intermediate Metal Conduit (IMC) Bushing Sets With Locknut <small>(26 05 33 13-0672)</small>		
26 05 33 13-0694 EA 1/2" Intermediate Metal Conduit (IMC) Bushing Set With Locknut	12.64	4.93
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.70	
26 05 33 13-0695 EA 3/4" Intermediate Metal Conduit (IMC) Bushing Set With Locknut	14.74	0.57
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.27	
26 05 33 13-0696 EA 1" Intermediate Metal Conduit (IMC) Bushing Set With Locknut	18.88	7.20
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.41	
26 05 33 13-0697 EA 1-1/4" Intermediate Metal Conduit (IMC) Bushing Set With Locknut	22.94	8.73
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.54	
26 05 33 13-0698 EA 1-1/2" Intermediate Metal Conduit (IMC) Bushing Set With Locknut	25.32	9.49
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.11	
26 05 33 13-0699 EA 2" Intermediate Metal Conduit (IMC) Bushing Set With Locknut	32.06	11.76
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.82	
26 05 33 13-0700 EA 2-1/2" Intermediate Metal Conduit (IMC) Bushing Set With Locknut	55.73	18.97
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.23	
26 05 33 13-0701 EA 3" Intermediate Metal Conduit (IMC) Bushing Set With Locknut	71.88	25.80
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	19.35	
26 05 33 13-0702 EA 3-1/2" Intermediate Metal Conduit (IMC) Bushing Set With Locknut	90.18	30.73
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	23.05	
26 05 33 13-0703 EA 4" Intermediate Metal Conduit (IMC) Bushing Set With Locknut	105.65	35.66
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	26.75	
26 05 33 13-0704 Intermediate Metal Conduit (IMC) Erickson Or "Kwik-Couple" Fittings <small>(26 05 33 13-0672)</small>		
Note: 3-Piece coupling.		
26 05 33 13-0705 EA 1/2" Intermediate Metal Conduit (IMC) Erickson Or "Kwik-Couple" Fitting	40.30	15.18
<i>For Work In Restricted Working Space, Add</i>	11.40	
<i>For Installation Above 14', Add</i>	5.70	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.40	
26 05 33 13-0706 EA 3/4" Intermediate Metal Conduit (IMC) Erickson Or "Kwik-Couple" Fitting	45.37	16.97
<i>For Work In Restricted Working Space, Add</i>	12.72	
<i>For Installation Above 14', Add</i>	6.36	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.72	
26 05 33 13-0707 EA 1" Intermediate Metal Conduit (IMC) Erickson Or "Kwik-Couple" Fitting	52.96	18.88
<i>For Work In Restricted Working Space, Add</i>	14.17	
<i>For Installation Above 14', Add</i>	7.08	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.17	
26 05 33 13-0708 EA 1-1/4" Intermediate Metal Conduit (IMC) Erickson Or "Kwik-Couple" Fitting	62.24	20.68
<i>For Work In Restricted Working Space, Add</i>	15.51	
<i>For Installation Above 14', Add</i>	7.75	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15.51	
26 05 33 13-0709 EA 1-1/2" Intermediate Metal Conduit (IMC) Erickson Or "Kwik-Couple" Fitting	69.78	22.58
<i>For Work In Restricted Working Space, Add</i>	16.96	
<i>For Installation Above 14', Add</i>	8.48	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16.96	
26 05 33 13-0710 EA 2" Intermediate Metal Conduit (IMC) Erickson Or "Kwik-Couple" Fitting	87.71	24.47
<i>For Work In Restricted Working Space, Add</i>	18.37	
<i>For Installation Above 14', Add</i>	9.19	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18.37	
26 05 33 13-0711 EA 2-1/2" Intermediate Metal Conduit (IMC) Erickson Or "Kwik-Couple" Fitting	132.52	30.35
<i>For Work In Restricted Working Space, Add</i>	22.77	
<i>For Installation Above 14', Add</i>	11.38	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	22.77	
26 05 33 13-0712 EA 3" Intermediate Metal Conduit (IMC) Erickson Or "Kwik-Couple" Fitting	181.21	37.94
<i>For Work In Restricted Working Space, Add</i>	28.46	
<i>For Installation Above 14', Add</i>	14.23	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	28.46	

26 Electrical**26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33	13-0713	EA	3-1/2" Intermediate Metal Conduit (IMC) Erickson Or "Kwik-Couple" Fitting.....	252.60	45.53
			<i>For Work In Restricted Working Space, Add</i>	34.16	
			<i>For Installation Above 14', Add</i>	17.08	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	34.16	
26 05 33	13-0714	EA	4" Intermediate Metal Conduit (IMC) Erickson Or "Kwik-Couple" Fitting.....	287.53	49.32
			<i>For Work In Restricted Working Space, Add</i>	36.99	
			<i>For Installation Above 14', Add</i>	18.50	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	36.99	
26 05 33 13-0715 Rigid Galvanized Steel (RGS) Or Intermediate Metal Conduit (IMC) To Electrical Metallic Tubing (EMT) Connectors <small>(26 05 33 13-0672)</small>					
26 05 33	13-0716	EA	1/2" Rigid Galvanized Steel (RGS) Or Intermediate Metal Conduit (IMC) To Electrical Metallic Tubing (EMT) Connector.....	21.48	7.59
			<i>For Work In Restricted Working Space, Add</i>	5.69	
			<i>For Installation Above 14', Add</i>	2.85	
26 05 33	13-0717	EA	3/4" Rigid Galvanized Steel (RGS) Or Intermediate Metal Conduit (IMC) To Electrical Metallic Tubing (EMT) Connector.....	23.84	8.35
			<i>For Work In Restricted Working Space, Add</i>	6.26	
			<i>For Installation Above 14', Add</i>	3.13	
26 05 33	13-0718	EA	1" Rigid Galvanized Steel (RGS) Or Intermediate Metal Conduit (IMC) To Electrical Metallic Tubing (EMT) Connector.....	27.26	9.49
			<i>For Work In Restricted Working Space, Add</i>	7.12	
			<i>For Installation Above 14', Add</i>	3.56	
26 05 33	13-0719	EA	1-1/4" Rigid Galvanized Steel (RGS) Or Intermediate Metal Conduit (IMC) To Electrical Metallic Tubing (EMT) Connector.....	30.28	10.24
			<i>For Work In Restricted Working Space, Add</i>	7.68	
			<i>For Installation Above 14', Add</i>	3.84	
26 05 33	13-0720	EA	1-1/2" Rigid Galvanized Steel (RGS) Or Intermediate Metal Conduit (IMC) To Electrical Metallic Tubing (EMT) Connector.....	34.97	11.38
			<i>For Work In Restricted Working Space, Add</i>	8.54	
			<i>For Installation Above 14', Add</i>	4.27	
26 05 33	13-0721	EA	2" Rigid Galvanized Steel (RGS) Or Intermediate Metal Conduit (IMC) To Electrical Metallic Tubing (EMT) Connector.....	40.93	12.53
			<i>For Work In Restricted Working Space, Add</i>	9.39	
			<i>For Installation Above 14', Add</i>	4.70	
26 05 33	13-0722	EA	2-1/2" Rigid Galvanized Steel (RGS) Or Intermediate Metal Conduit (IMC) To Electrical Metallic Tubing (EMT) Connector.....	53.37	15.18
			<i>For Work In Restricted Working Space, Add</i>	11.38	
			<i>For Installation Above 14', Add</i>	5.69	
26 05 33	13-0723	EA	3" Rigid Galvanized Steel (RGS) Or Intermediate Metal Conduit (IMC) To Electrical Metallic Tubing (EMT) Connector.....	66.26	18.97
			<i>For Work In Restricted Working Space, Add</i>	14.23	
			<i>For Installation Above 14', Add</i>	7.11	
26 05 33	13-0724	EA	3-1/2" Rigid Galvanized Steel (RGS) Or Intermediate Metal Conduit (IMC) To Electrical Metallic Tubing (EMT) Connector.....	79.57	22.77
			<i>For Work In Restricted Working Space, Add</i>	17.08	
			<i>For Installation Above 14', Add</i>	8.54	
26 05 33	13-0725	EA	4" Rigid Galvanized Steel (RGS) Or Intermediate Metal Conduit (IMC) To Electrical Metallic Tubing (EMT) Connector.....	88.56	24.66
			<i>For Work In Restricted Working Space, Add</i>	18.50	
			<i>For Installation Above 14', Add</i>	9.25	
26 05 33 13-0726 Intermediate Metal Conduit (IMC) Rain Tight Threaded Hubs <small>(26 05 33 13-0672)</small>					
26 05 33	13-0727	EA	1/2" Intermediate Metal Conduit (IMC) Rain Tight Threaded Hub.....	20.03	7.59
			<i>For Work In Restricted Working Space, Add</i>	5.69	
			<i>For Installation Above 14', Add</i>	2.85	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.69	
26 05 33	13-0728	EA	3/4" Intermediate Metal Conduit (IMC) Rain Tight Threaded Hub.....	25.28	9.49
			<i>For Work In Restricted Working Space, Add</i>	7.11	
			<i>For Installation Above 14', Add</i>	3.56	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.11	
26 05 33	13-0729	EA	1" Intermediate Metal Conduit (IMC) Rain Tight Threaded Hub.....	30.78	11.38
			<i>For Work In Restricted Working Space, Add</i>	8.54	
			<i>For Installation Above 14', Add</i>	4.27	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.54	
26 05 33	13-0730	EA	1-1/4" Intermediate Metal Conduit (IMC) Rain Tight Threaded Hub.....	36.49	13.28
			<i>For Work In Restricted Working Space, Add</i>	9.96	
			<i>For Installation Above 14', Add</i>	4.98	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.96	
26 05 33	13-0731	EA	1-1/2" Intermediate Metal Conduit (IMC) Rain Tight Threaded Hub.....	42.17	15.18
			<i>For Work In Restricted Working Space, Add</i>	11.38	
			<i>For Installation Above 14', Add</i>	5.69	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.38	
26 05 33	13-0732	EA	2" Intermediate Metal Conduit (IMC) Rain Tight Threaded Hub.....	48.80	17.08
			<i>For Work In Restricted Working Space, Add</i>	12.80	
			<i>For Installation Above 14', Add</i>	6.40	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.80	
26 05 33	13-0733	EA	2-1/2" Intermediate Metal Conduit (IMC) Rain Tight Threaded Hub.....	57.68	18.97
			<i>For Work In Restricted Working Space, Add</i>	14.23	
			<i>For Installation Above 14', Add</i>	7.11	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.23	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0734 EA 3" Intermediate Metal Conduit (IMC) Rain Tight Threaded Hub	65.97	20.87
<i>For Work In Restricted Working Space, Add</i>	15.65	
<i>For Installation Above 14', Add</i>	7.83	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15.65	
26 05 33 13-0735 EA 3-1/2" Intermediate Metal Conduit (IMC) Rain Tight Threaded Hub	79.56	24.66
<i>For Work In Restricted Working Space, Add</i>	18.50	
<i>For Installation Above 14', Add</i>	9.25	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18.50	
26 05 33 13-0736 EA 4" Intermediate Metal Conduit (IMC) Rain Tight Threaded Hub	88.98	26.56
<i>For Work In Restricted Working Space, Add</i>	19.92	
<i>For Installation Above 14', Add</i>	9.96	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	19.92	
26 05 33 13-0737 Intermediate Metal Conduit (IMC) Expansion Fittings <small>(26 05 33 13-0672)</small>		
26 05 33 13-0738 EA 1/2" Intermediate Metal Conduit (IMC) Expansion Fitting	83.25	15.18
<i>For Work In Restricted Working Space, Add</i>	11.39	
<i>For Installation Above 14', Add</i>	5.69	
26 05 33 13-0739 EA 3/4" Intermediate Metal Conduit (IMC) Expansion Fitting	92.52	17.08
<i>For Work In Restricted Working Space, Add</i>	12.81	
<i>For Installation Above 14', Add</i>	6.40	
26 05 33 13-0740 EA 1" Intermediate Metal Conduit (IMC) Expansion Fitting	102.82	18.97
<i>For Work In Restricted Working Space, Add</i>	14.23	
<i>For Installation Above 14', Add</i>	7.12	
26 05 33 13-0741 EA 1-1/4" Intermediate Metal Conduit (IMC) Expansion Fitting	121.27	20.87
<i>For Work In Restricted Working Space, Add</i>	15.65	
<i>For Installation Above 14', Add</i>	7.83	
26 05 33 13-0742 EA 1-1/2" Intermediate Metal Conduit (IMC) Expansion Fitting	144.56	22.77
<i>For Work In Restricted Working Space, Add</i>	17.08	
<i>For Installation Above 14', Add</i>	8.54	
26 05 33 13-0743 EA 2" Intermediate Metal Conduit (IMC) Expansion Fitting	182.50	24.66
<i>For Work In Restricted Working Space, Add</i>	18.50	
<i>For Installation Above 14', Add</i>	9.25	
26 05 33 13-0744 EA 2-1/2" Intermediate Metal Conduit (IMC) Expansion Fitting	265.71	30.35
<i>For Work In Restricted Working Space, Add</i>	22.77	
<i>For Installation Above 14', Add</i>	11.38	
26 05 33 13-0745 EA 3" Intermediate Metal Conduit (IMC) Expansion Fitting	321.51	37.94
<i>For Work In Restricted Working Space, Add</i>	28.46	
<i>For Installation Above 14', Add</i>	14.23	
26 05 33 13-0746 EA 3-1/2" Intermediate Metal Conduit (IMC) Expansion Fitting	437.64	45.53
<i>For Work In Restricted Working Space, Add</i>	34.15	
<i>For Installation Above 14', Add</i>	17.07	
26 05 33 13-0747 EA 4" Intermediate Metal Conduit (IMC) Expansion Fitting	501.36	49.32
<i>For Work In Restricted Working Space, Add</i>	36.99	
<i>For Installation Above 14', Add</i>	18.50	
26 05 33 13-0748 Intermediate Metal Conduit (IMC) Sealing Fittings, Vertical/Horizontal <small>(26 05 33 13-0672)</small>		
26 05 33 13-0749 EA 1/2" Intermediate Metal Conduit (IMC) Sealing Fitting, Vertical/Horizontal	64.86	23.72
<i>For Work In Restricted Working Space, Add</i>	14.23	
<i>For Installation Above 14', Add</i>	7.11	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.23	
26 05 33 13-0750 EA 3/4" Intermediate Metal Conduit (IMC) Sealing Fitting, Vertical/Horizontal	77.39	28.46
<i>For Work In Restricted Working Space, Add</i>	17.08	
<i>For Installation Above 14', Add</i>	8.54	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17.08	
26 05 33 13-0751 EA 1" Intermediate Metal Conduit (IMC) Sealing Fitting, Vertical/Horizontal	92.71	33.20
<i>For Work In Restricted Working Space, Add</i>	19.92	
<i>For Installation Above 14', Add</i>	9.96	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	19.92	
26 05 33 13-0752 EA 1-1/4" Intermediate Metal Conduit (IMC) Sealing Fitting, Vertical/Horizontal	107.84	37.94
<i>For Work In Restricted Working Space, Add</i>	22.77	
<i>For Installation Above 14', Add</i>	11.38	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	22.77	
26 05 33 13-0753 EA 1-1/2" Intermediate Metal Conduit (IMC) Sealing Fitting, Vertical/Horizontal	133.49	42.69
<i>For Work In Restricted Working Space, Add</i>	25.61	
<i>For Installation Above 14', Add</i>	12.81	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	25.61	
26 05 33 13-0754 EA 2" Intermediate Metal Conduit (IMC) Sealing Fitting, Vertical/Horizontal	157.18	47.43
<i>For Work In Restricted Working Space, Add</i>	28.46	
<i>For Installation Above 14', Add</i>	14.23	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	28.46	
26 05 33 13-0755 EA 2-1/2" Intermediate Metal Conduit (IMC) Sealing Fitting, Vertical/Horizontal	210.67	56.92
<i>For Work In Restricted Working Space, Add</i>	34.15	
<i>For Installation Above 14', Add</i>	17.07	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	34.15	
26 05 33 13-0756 EA 3" Intermediate Metal Conduit (IMC) Sealing Fitting, Vertical/Horizontal	251.10	66.40
<i>For Work In Restricted Working Space, Add</i>	39.84	
<i>For Installation Above 14', Add</i>	19.92	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	39.84	
26 05 33 13-0757 EA 3-1/2" Intermediate Metal Conduit (IMC) Sealing Fitting, Vertical/Horizontal	492.94	75.89
<i>For Work In Restricted Working Space, Add</i>	45.53	
<i>For Installation Above 14', Add</i>	22.77	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	45.53	

26 Electrical**26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33	13-0758	EA	4" Intermediate Metal Conduit (IMC) Sealing Fitting, Vertical/Horizontal <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	565.60 51.22 25.61 51.22	85.38
26 05 33	13-0759		Intermediate Metal Conduit (IMC) Threaded Couplings <small>(26 05 33 13-0672)</small>		
26 05 33	13-0760	EA	1/2" Intermediate Metal Conduit (IMC) Threaded Coupling <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	11.96 3.41 1.71	4.55
26 05 33	13-0761	EA	3/4" Intermediate Metal Conduit (IMC) Threaded Coupling <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	16.85 4.84 2.42	6.45
26 05 33	13-0762	EA	1" Intermediate Metal Conduit (IMC) Threaded Coupling <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	21.93 6.26 3.13	8.35
26 05 33	13-0763	EA	1-1/4" Intermediate Metal Conduit (IMC) Threaded Coupling <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	25.06 7.12 3.56	9.49
26 05 33	13-0764	EA	1-1/2" Intermediate Metal Conduit (IMC) Threaded Coupling <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	30.14 8.53 4.27	11.38
26 05 33	13-0765	EA	2" Intermediate Metal Conduit (IMC) Threaded Coupling <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	34.51 9.68 4.84	12.90
26 05 33	13-0766	EA	2-1/2" Intermediate Metal Conduit (IMC) Threaded Coupling <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	40.99 10.81 5.40	14.42
26 05 33	13-0767	EA	3" Intermediate Metal Conduit (IMC) Threaded Coupling <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	47.56 12.24 6.12	16.31
26 05 33	13-0768	EA	3-1/2" Intermediate Metal Conduit (IMC) Threaded Coupling <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	53.64 13.38 6.69	17.84
26 05 33	13-0769	EA	4" Intermediate Metal Conduit (IMC) Threaded Coupling <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	56.54 14.23 7.11	18.97
26 05 33	13-0770		Intermediate Metal Conduit (IMC) Reducer Bushings <small>(26 05 33 13-0672)</small>		
26 05 33	13-0771	EA	1/2" To 3/4" Intermediate Metal Conduit (IMC) Reducing Bushing <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	5.41 1.42 0.71	1.89
26 05 33	13-0772	EA	3/4" To 1" Intermediate Metal Conduit (IMC) Reducing Bushing <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	5.79 1.42 0.71	1.89
26 05 33	13-0773		Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit <small>(26 05 33 13-0041)</small> Note: 40 mil polyvinyl chloride (PVC) coated, 2 mil urethane lined (Ocal Blue, Crouse-Hinds, Appleton or O-Z/Gedney). Used in hazardous locations. Exposed installation, branch and feeder conduit. Excludes supporting strap, hanger and fastening.		
26 05 33	13-0774		Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit <small>(26 05 33 13-0773)</small> Note: Includes field bending for conduit up to 1".		
26 05 33	13-0775	LF	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit <i>For >250 To 500, Deduct</i> <i>For >500 To 1,000, Deduct</i> <i>For >1,000, Deduct</i> <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	10.92 -0.38 -0.65 -0.93 1.00 1.99	2.66
26 05 33	13-0776	LF	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit <i>For >250 To 500, Deduct</i> <i>For >500 To 1,000, Deduct</i> <i>For >1,000, Deduct</i> <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	12.55 -0.44 -0.75 -1.07 1.14 2.28	3.04
26 05 33	13-0777	LF	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit <i>For >250 To 500, Deduct</i> <i>For >500 To 1,000, Deduct</i> <i>For >1,000, Deduct</i> <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	15.91 -0.56 -0.96 -1.35 1.42 2.85	3.80
26 05 33	13-0778	LF	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit <i>For >250 To 500, Deduct</i> <i>For >500 To 1,000, Deduct</i> <i>For >1,000, Deduct</i> <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	19.52 -0.69 -1.18 -1.67 1.71 3.41	4.55



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0779 LF 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit.....	24.13	5.69
<i>For >250 To 500, Deduct</i>	-0.85	
<i>For >500 To 1,000, Deduct</i>	-1.45	
<i>For >1,000, Deduct</i>	-2.06	
<i>For Installation Above 14', Add</i>	2.13	
<i>For Work In Restricted Working Space, Add</i>	4.27	
26 05 33 13-0780 LF 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit.....	29.98	6.83
<i>For >250 To 500, Deduct</i>	-1.07	
<i>For >500 To 1,000, Deduct</i>	-1.82	
<i>For >1,000, Deduct</i>	-2.57	
<i>For Installation Above 14', Add</i>	2.56	
<i>For Work In Restricted Working Space, Add</i>	5.12	
26 05 33 13-0781 LF 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit.....	39.48	7.97
<i>For >250 To 500, Deduct</i>	-1.48	
<i>For >500 To 1,000, Deduct</i>	-2.46	
<i>For >1,000, Deduct</i>	-3.45	
<i>For Installation Above 14', Add</i>	2.99	
<i>For Work In Restricted Working Space, Add</i>	5.98	
26 05 33 13-0782 LF 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit.....	49.32	9.86
<i>For >250 To 500, Deduct</i>	-1.85	
<i>For >500 To 1,000, Deduct</i>	-3.08	
<i>For >1,000, Deduct</i>	-4.32	
<i>For Installation Above 14', Add</i>	3.70	
<i>For Work In Restricted Working Space, Add</i>	7.40	
26 05 33 13-0783 LF 3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit.....	60.52	12.14
<i>For >250 To 500, Deduct</i>	-2.27	
<i>For >500 To 1,000, Deduct</i>	-3.78	
<i>For >1,000, Deduct</i>	-5.29	
<i>For Installation Above 14', Add</i>	4.55	
<i>For Work In Restricted Working Space, Add</i>	9.11	
26 05 33 13-0784 LF 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit.....	71.60	14.42
<i>For >250 To 500, Deduct</i>	-2.68	
<i>For >500 To 1,000, Deduct</i>	-4.47	
<i>For >1,000, Deduct</i>	-6.26	
<i>For Installation Above 14', Add</i>	5.41	
<i>For Work In Restricted Working Space, Add</i>	10.81	
26 05 33 13-0785 LF 5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit.....	105.71	17.08
<i>For >250 To 500, Deduct</i>	-4.22	
<i>For >500 To 1,000, Deduct</i>	-6.86	
<i>For >1,000, Deduct</i>	-9.50	
<i>For Installation Above 14', Add</i>	6.40	
<i>For Work In Restricted Working Space, Add</i>	12.81	
26 05 33 13-0786 LF 6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit.....	143.29	22.77
<i>For >250 To 500, Deduct</i>	-5.74	
<i>For >500 To 1,000, Deduct</i>	-9.32	
<i>For >1,000, Deduct</i>	-12.91	
<i>For Installation Above 14', Add</i>	8.54	
<i>For Work In Restricted Working Space, Add</i>	17.08	
26 05 33 13-0787 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Couplings <small>(26 05 33 13-0773)</small>		
26 05 33 13-0788 EA 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling.....	11.92	3.70
<i>For Installation Above 14', Add</i>	1.11	
<i>For Work In Restricted Working Space, Add</i>	2.22	
26 05 33 13-0789 EA 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling.....	14.60	4.93
<i>For Installation Above 14', Add</i>	1.48	
<i>For Work In Restricted Working Space, Add</i>	2.96	
26 05 33 13-0790 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling.....	18.49	6.16
<i>For Installation Above 14', Add</i>	1.85	
<i>For Work In Restricted Working Space, Add</i>	3.70	
26 05 33 13-0791 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling.....	20.74	6.78
<i>For Installation Above 14', Add</i>	2.04	
<i>For Work In Restricted Working Space, Add</i>	4.07	
26 05 33 13-0792 EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling.....	24.56	8.02
<i>For Installation Above 14', Add</i>	2.40	
<i>For Work In Restricted Working Space, Add</i>	4.81	
26 05 33 13-0793 EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling.....	30.98	9.25
<i>For Installation Above 14', Add</i>	2.78	
<i>For Work In Restricted Working Space, Add</i>	5.55	
26 05 33 13-0794 EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling.....	53.08	11.10
<i>For Installation Above 14', Add</i>	3.33	
<i>For Work In Restricted Working Space, Add</i>	6.66	
26 05 33 13-0795 EA 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling.....	68.33	15.41
<i>For Installation Above 14', Add</i>	4.62	
<i>For Work In Restricted Working Space, Add</i>	9.25	
26 05 33 13-0796 EA 3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling.....	83.87	17.88
<i>For Installation Above 14', Add</i>	5.36	
<i>For Work In Restricted Working Space, Add</i>	10.73	
26 05 33 13-0797 EA 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling.....	105.58	24.66
<i>For Installation Above 14', Add</i>	7.40	
<i>For Work In Restricted Working Space, Add</i>	14.80	
26 05 33 13-0798 EA 5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling.....	251.14	33.91
<i>For Installation Above 14', Add</i>	10.17	
<i>For Work In Restricted Working Space, Add</i>	20.35	

26 Electrical**26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0799	EA		6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling	243.00	19.11
			<i>For Installation Above 14', Add</i>	5.73	
			<i>For Work In Restricted Working Space, Add</i>	11.47	
26 05 33 13-0800			Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbows <small>(26 05 33 13-0773)</small>		
			Note: 90, 45, or 30 degree.		
26 05 33 13-0801	EA		1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow	46.67	15.41
			<i>For Installation Above 14', Add</i>	4.62	
			<i>For Work In Restricted Working Space, Add</i>	9.25	
26 05 33 13-0802	EA		3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow	54.68	19.11
			<i>For Installation Above 14', Add</i>	5.73	
			<i>For Work In Restricted Working Space, Add</i>	11.47	
26 05 33 13-0803	EA		1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow	65.72	23.43
			<i>For Installation Above 14', Add</i>	7.03	
			<i>For Work In Restricted Working Space, Add</i>	14.06	
26 05 33 13-0804	EA		1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow	77.44	27.13
			<i>For Installation Above 14', Add</i>	8.14	
			<i>For Work In Restricted Working Space, Add</i>	16.28	
26 05 33 13-0805	EA		1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow	90.14	30.83
			<i>For Installation Above 14', Add</i>	9.25	
			<i>For Work In Restricted Working Space, Add</i>	18.50	
26 05 33 13-0806	EA		2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow	107.57	33.91
			<i>For Installation Above 14', Add</i>	10.17	
			<i>For Work In Restricted Working Space, Add</i>	20.35	
26 05 33 13-0807	EA		2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow	159.98	42.55
			<i>For Installation Above 14', Add</i>	12.76	
			<i>For Work In Restricted Working Space, Add</i>	25.52	
26 05 33 13-0808	EA		3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow	235.60	57.96
			<i>For Installation Above 14', Add</i>	17.39	
			<i>For Work In Restricted Working Space, Add</i>	34.78	
26 05 33 13-0809	EA		3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow	287.76	65.35
			<i>For Installation Above 14', Add</i>	19.61	
			<i>For Work In Restricted Working Space, Add</i>	39.22	
26 05 33 13-0810	EA		4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow	336.18	85.08
			<i>For Installation Above 14', Add</i>	25.53	
			<i>For Work In Restricted Working Space, Add</i>	51.05	
26 05 33 13-0811	EA		5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow	677.50	138.72
			<i>For Installation Above 14', Add</i>	41.62	
			<i>For Work In Restricted Working Space, Add</i>	83.24	
26 05 33 13-0812	EA		6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow	1,059.83	208.40
			<i>For Installation Above 14', Add</i>	62.52	
			<i>For Work In Restricted Working Space, Add</i>	125.04	
26 05 33 13-0813			Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 12" Large Radius Elbows <small>(26 05 33 13-0773)</small>		
26 05 33 13-0814	EA		1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 12" Large Radius Elbow	103.06	23.43
			<i>For Installation Above 14', Add</i>	7.03	
			<i>For Work In Restricted Working Space, Add</i>	14.06	
26 05 33 13-0815	EA		1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 12" Large Radius Elbow	116.42	27.13
			<i>For Installation Above 14', Add</i>	8.14	
			<i>For Work In Restricted Working Space, Add</i>	16.28	
26 05 33 13-0816	EA		1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 12" Large Radius Elbow	132.82	30.83
			<i>For Installation Above 14', Add</i>	9.25	
			<i>For Work In Restricted Working Space, Add</i>	18.50	
26 05 33 13-0817	EA		2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 12" Large Radius Elbow	156.82	33.91
			<i>For Installation Above 14', Add</i>	10.17	
			<i>For Work In Restricted Working Space, Add</i>	20.35	
26 05 33 13-0818	EA		2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 12" Large Radius Elbow	215.72	42.55
			<i>For Installation Above 14', Add</i>	12.76	
			<i>For Work In Restricted Working Space, Add</i>	25.52	
26 05 33 13-0819			Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 15" Large Radius Elbows <small>(26 05 33 13-0773)</small>		
26 05 33 13-0820	EA		1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 15" Large Radius Elbow	113.16	23.43
			<i>For Installation Above 14', Add</i>	7.03	
			<i>For Work In Restricted Working Space, Add</i>	14.06	
26 05 33 13-0821	EA		1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 15" Large Radius Elbow	133.11	27.13
			<i>For Installation Above 14', Add</i>	8.14	
			<i>For Work In Restricted Working Space, Add</i>	16.28	
26 05 33 13-0822	EA		1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 15" Large Radius Elbow	144.79	30.83
			<i>For Installation Above 14', Add</i>	9.25	
			<i>For Work In Restricted Working Space, Add</i>	18.50	
26 05 33 13-0823	EA		2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 15" Large Radius Elbow	182.91	33.91
			<i>For Installation Above 14', Add</i>	10.17	
			<i>For Work In Restricted Working Space, Add</i>	20.35	
26 05 33 13-0824	EA		2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 15" Large Radius Elbow	240.87	42.55
			<i>For Installation Above 14', Add</i>	12.76	
			<i>For Work In Restricted Working Space, Add</i>	25.52	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0825 EA 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 15" Large Radius Elbow <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	310.20 17.39 34.78	57.96
26 05 33 13-0826 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbows <small>(26 05 33 13-0773)</small>		
26 05 33 13-0827 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	125.23 7.03 14.06	23.43
26 05 33 13-0828 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	141.80 8.14 16.28	27.13
26 05 33 13-0829 EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	160.14 9.25 18.50	30.83
26 05 33 13-0830 EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	191.56 10.17 20.35	33.91
26 05 33 13-0831 EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	269.78 12.76 25.52	42.55
26 05 33 13-0832 EA 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	344.14 17.39 34.78	57.96
26 05 33 13-0833 EA 3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	429.88 19.61 39.22	65.35
26 05 33 13-0834 EA 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	491.02 25.53 51.05	85.08
26 05 33 13-0835 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbows <small>(26 05 33 13-0773)</small>		
26 05 33 13-0836 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	146.09 7.03 14.06	23.43
26 05 33 13-0837 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	162.20 8.14 16.28	27.13
26 05 33 13-0838 EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	183.30 9.25 18.50	30.83
26 05 33 13-0839 EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	224.91 10.17 20.35	33.91
26 05 33 13-0840 EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	321.51 12.76 25.52	42.55
26 05 33 13-0841 EA 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	401.64 17.39 34.78	57.96
26 05 33 13-0842 EA 3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	464.99 19.61 39.22	65.35
26 05 33 13-0843 EA 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	555.47 25.53 51.05	85.08
26 05 33 13-0844 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbows <small>(26 05 33 13-0773)</small>		
26 05 33 13-0845 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	162.31 7.03 14.06	23.43
26 05 33 13-0846 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	181.18 8.14 16.28	27.13
26 05 33 13-0847 EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	206.09 9.25 18.50	30.83
26 05 33 13-0848 EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	253.94 10.17 20.35	33.91
26 05 33 13-0849 EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	349.74 12.76 25.52	42.55
26 05 33 13-0850 EA 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	447.63 17.39 34.78	57.96
26 05 33 13-0851 EA 3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	550.35 19.61 39.22	65.35

26 Electrical**26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0852 EA 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow.....	614.64	85.08
For Installation Above 14', Add	25.53	
For Work In Restricted Working Space, Add	51.05	
26 05 33 13-0853 EA 5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow.....	1,022.89	138.72
For Installation Above 14', Add	41.62	
For Work In Restricted Working Space, Add	83.24	
26 05 33 13-0854 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbows <small>(26 05 33 13-0773)</small>		
26 05 33 13-0855 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow.....	183.54	23.43
For Installation Above 14', Add	7.03	
For Work In Restricted Working Space, Add	14.06	
26 05 33 13-0856 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow.....	204.13	27.13
For Installation Above 14', Add	8.14	
For Work In Restricted Working Space, Add	16.28	
26 05 33 13-0857 EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow.....	231.08	30.83
For Installation Above 14', Add	9.25	
For Work In Restricted Working Space, Add	18.50	
26 05 33 13-0858 EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow.....	286.14	33.91
For Installation Above 14', Add	10.17	
For Work In Restricted Working Space, Add	20.35	
26 05 33 13-0859 EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow.....	396.78	42.55
For Installation Above 14', Add	12.76	
For Work In Restricted Working Space, Add	25.52	
26 05 33 13-0860 EA 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow.....	506.22	57.96
For Installation Above 14', Add	17.39	
For Work In Restricted Working Space, Add	34.78	
26 05 33 13-0861 EA 3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow.....	593.12	65.35
For Installation Above 14', Add	19.61	
For Work In Restricted Working Space, Add	39.22	
26 05 33 13-0862 EA 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow.....	691.01	85.08
For Installation Above 14', Add	25.53	
For Work In Restricted Working Space, Add	51.05	
26 05 33 13-0863 EA 5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow.....	1,076.42	138.72
For Installation Above 14', Add	41.62	
For Work In Restricted Working Space, Add	83.24	
26 05 33 13-0864 EA 6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow.....	1,482.79	208.40
For Installation Above 14', Add	62.52	
For Work In Restricted Working Space, Add	125.04	
26 05 33 13-0865 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbows <small>(26 05 33 13-0773)</small>		
26 05 33 13-0866 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow.....	213.08	23.43
For Installation Above 14', Add	7.03	
For Work In Restricted Working Space, Add	14.06	
26 05 33 13-0867 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow.....	224.58	27.13
For Installation Above 14', Add	8.14	
For Work In Restricted Working Space, Add	16.28	
26 05 33 13-0868 EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow.....	264.52	30.83
For Installation Above 14', Add	9.25	
For Work In Restricted Working Space, Add	18.50	
26 05 33 13-0869 EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow.....	330.96	33.91
For Installation Above 14', Add	10.17	
For Work In Restricted Working Space, Add	20.35	
26 05 33 13-0870 EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow.....	460.20	42.55
For Installation Above 14', Add	12.76	
For Work In Restricted Working Space, Add	25.52	
26 05 33 13-0871 EA 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow.....	585.22	57.96
For Installation Above 14', Add	17.39	
For Work In Restricted Working Space, Add	34.78	
26 05 33 13-0872 EA 3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow.....	712.03	65.35
For Installation Above 14', Add	19.61	
For Work In Restricted Working Space, Add	39.22	
26 05 33 13-0873 EA 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow.....	839.60	85.08
For Installation Above 14', Add	25.53	
For Work In Restricted Working Space, Add	51.05	
26 05 33 13-0874 EA 5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow.....	1,251.02	138.72
For Installation Above 14', Add	41.62	
For Work In Restricted Working Space, Add	83.24	
26 05 33 13-0875 EA 6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow.....	1,562.94	208.40
For Installation Above 14', Add	62.52	
For Work In Restricted Working Space, Add	125.04	
26 05 33 13-0876 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbows <small>(26 05 33 13-0773)</small>		
26 05 33 13-0877 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow.....	220.20	23.43
For Installation Above 14', Add	7.03	
For Work In Restricted Working Space, Add	14.06	
26 05 33 13-0878 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow.....	259.17	27.13
For Installation Above 14', Add	8.14	
For Work In Restricted Working Space, Add	16.28	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0879 EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow.....	293.45	30.83
For Installation Above 14', Add	9.25	
For Work In Restricted Working Space, Add	18.50	
26 05 33 13-0880 EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow.....	344.45	33.91
For Installation Above 14', Add	10.17	
For Work In Restricted Working Space, Add	20.35	
26 05 33 13-0881 EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow.....	476.04	42.55
For Installation Above 14', Add	12.76	
For Work In Restricted Working Space, Add	25.52	
26 05 33 13-0882 EA 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow.....	609.51	57.96
For Installation Above 14', Add	17.39	
For Work In Restricted Working Space, Add	34.78	
26 05 33 13-0883 EA 3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow.....	776.79	65.35
For Installation Above 14', Add	19.61	
For Work In Restricted Working Space, Add	39.22	
26 05 33 13-0884 EA 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow.....	873.30	85.08
For Installation Above 14', Add	25.53	
For Work In Restricted Working Space, Add	51.05	
26 05 33 13-0885 EA 5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow.....	1,297.92	138.72
For Installation Above 14', Add	41.62	
For Work In Restricted Working Space, Add	83.24	
26 05 33 13-0886 EA 6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow.....	1,603.66	208.40
For Installation Above 14', Add	62.52	
For Work In Restricted Working Space, Add	125.04	
 26 05 33 13-0887 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Sealight Fittings <small>(26 05 33 13-0773)</small>		
26 05 33 13-0888 EA 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Sealight Fitting.....	84.10	15.41
For Installation Above 14', Add	4.62	
For Work In Restricted Working Space, Add	9.25	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.25	
26 05 33 13-0889 EA 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Sealight Fitting.....	103.51	20.35
For Installation Above 14', Add	6.10	
For Work In Restricted Working Space, Add	12.21	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.21	
26 05 33 13-0890 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Sealight Fitting.....	136.57	23.43
For Installation Above 14', Add	7.03	
For Work In Restricted Working Space, Add	14.06	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	14.06	
26 05 33 13-0891 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Sealight Fitting.....	219.91	27.13
For Installation Above 14', Add	8.14	
For Work In Restricted Working Space, Add	16.28	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	16.28	
26 05 33 13-0892 EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Sealight Fitting.....	243.16	30.83
For Installation Above 14', Add	9.25	
For Work In Restricted Working Space, Add	18.50	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	18.50	
26 05 33 13-0893 EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Sealight Fitting.....	305.28	33.91
For Installation Above 14', Add	10.17	
For Work In Restricted Working Space, Add	20.35	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	20.35	
26 05 33 13-0894 EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Sealight Fitting.....	812.47	42.55
For Installation Above 14', Add	12.76	
For Work In Restricted Working Space, Add	25.52	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	25.52	
26 05 33 13-0895 EA 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Sealight Fitting.....	972.52	57.96
For Installation Above 14', Add	17.39	
For Work In Restricted Working Space, Add	34.78	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	34.78	
26 05 33 13-0896 EA 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Sealight Fitting.....	1,295.29	85.08
For Installation Above 14', Add	25.53	
For Work In Restricted Working Space, Add	51.05	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	51.05	
 26 05 33 13-0897 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Sealight Fittings <small>(26 05 33 13-0773)</small>		
26 05 33 13-0898 EA 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Sealight Fitting.....	80.86	15.41
For Installation Above 14', Add	4.62	
For Work In Restricted Working Space, Add	9.25	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.25	
26 05 33 13-0899 EA 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Sealight Fitting.....	99.85	20.35
For Installation Above 14', Add	6.10	
For Work In Restricted Working Space, Add	12.21	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.21	
26 05 33 13-0900 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Sealight Fitting.....	136.57	23.43
For Installation Above 14', Add	7.03	
For Work In Restricted Working Space, Add	14.06	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	14.06	

26 Electrical**26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0901 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Sealight Fitting.....	218.03	27.13
For Installation Above 14', Add	8.14	
For Work In Restricted Working Space, Add	16.28	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	16.28	
26 05 33 13-0902 EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Sealight Fitting.....	235.56	30.83
For Installation Above 14', Add	9.25	
For Work In Restricted Working Space, Add	18.50	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	18.50	
26 05 33 13-0903 EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Sealight Fitting.....	305.37	33.91
For Installation Above 14', Add	10.17	
For Work In Restricted Working Space, Add	20.35	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	20.35	
26 05 33 13-0904 EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Sealight Fitting.....	780.07	42.55
For Installation Above 14', Add	12.76	
For Work In Restricted Working Space, Add	25.52	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	25.52	
26 05 33 13-0905 EA 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Sealight Fitting.....	948.88	57.96
For Installation Above 14', Add	17.39	
For Work In Restricted Working Space, Add	34.78	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	34.78	
26 05 33 13-0906 EA 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Sealight Fitting.....	1,295.24	85.08
For Installation Above 14', Add	25.53	
For Work In Restricted Working Space, Add	51.05	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	51.05	
26 05 33 13-0907 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Sealight Fittings <small>(26 05 33 13-0773)</small>		
26 05 33 13-0908 EA 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Sealight Fitting.....	73.69	15.41
For Installation Above 14', Add	4.62	
For Work In Restricted Working Space, Add	9.25	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.25	
26 05 33 13-0909 EA 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Sealight Fitting.....	88.97	20.35
For Installation Above 14', Add	6.10	
For Work In Restricted Working Space, Add	12.21	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.21	
26 05 33 13-0910 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Sealight Fitting.....	104.76	23.43
For Installation Above 14', Add	7.03	
For Work In Restricted Working Space, Add	14.06	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	14.06	
26 05 33 13-0911 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Sealight Fitting.....	146.44	27.13
For Installation Above 14', Add	8.14	
For Work In Restricted Working Space, Add	16.28	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	16.28	
26 05 33 13-0912 EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Sealight Fitting.....	170.73	30.83
For Installation Above 14', Add	9.25	
For Work In Restricted Working Space, Add	18.50	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	18.50	
26 05 33 13-0913 EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Sealight Fitting.....	258.52	33.91
For Installation Above 14', Add	10.17	
For Work In Restricted Working Space, Add	20.35	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	20.35	
26 05 33 13-0914 EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Sealight Fitting.....	689.85	42.55
For Installation Above 14', Add	12.76	
For Work In Restricted Working Space, Add	25.52	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	25.52	
26 05 33 13-0915 EA 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Sealight Fitting.....	780.35	57.96
For Installation Above 14', Add	17.39	
For Work In Restricted Working Space, Add	34.78	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	34.78	
26 05 33 13-0916 EA 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Sealight Fitting.....	1,000.78	85.08
For Installation Above 14', Add	25.53	
For Work In Restricted Working Space, Add	51.05	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	51.05	
26 05 33 13-0917 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Grounded Sealight Fittings <small>(26 05 33 13-0773)</small>		
26 05 33 13-0918 EA 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Grounded Sealight Fitting.....	121.66	15.41
For Installation Above 14', Add	4.62	
For Work In Restricted Working Space, Add	9.25	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.25	
26 05 33 13-0919 EA 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Grounded Sealight Fitting.....	182.25	20.35
For Installation Above 14', Add	6.10	
For Work In Restricted Working Space, Add	12.21	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.21	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0920 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Grounded Sealight Fitting.....	228.30	23.43
<i>For Installation Above 14', Add</i>	7.03	
<i>For Work In Restricted Working Space, Add</i>	14.06	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.06	
26 05 33 13-0921 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Grounded Sealight Fitting.....	263.56	27.13
<i>For Installation Above 14', Add</i>	8.14	
<i>For Work In Restricted Working Space, Add</i>	16.28	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16.28	
26 05 33 13-0922 EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Grounded Sealight Fitting.....	299.34	30.83
<i>For Installation Above 14', Add</i>	9.25	
<i>For Work In Restricted Working Space, Add</i>	18.50	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18.50	
26 05 33 13-0923 EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Grounded Sealight Fitting.....	391.37	33.91
<i>For Installation Above 14', Add</i>	10.17	
<i>For Work In Restricted Working Space, Add</i>	20.35	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20.35	
26 05 33 13-0924 EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Grounded Sealight Fitting.....	1,206.86	42.55
<i>For Installation Above 14', Add</i>	12.76	
<i>For Work In Restricted Working Space, Add</i>	25.52	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	25.52	
26 05 33 13-0925 EA 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Grounded Sealight Fitting.....	1,412.36	57.96
<i>For Installation Above 14', Add</i>	17.39	
<i>For Work In Restricted Working Space, Add</i>	34.78	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	34.78	
26 05 33 13-0926 EA 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Grounded Sealight Fitting.....	1,741.84	85.08
<i>For Installation Above 14', Add</i>	25.53	
<i>For Work In Restricted Working Space, Add</i>	51.05	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	51.05	
26 05 33 13-0927 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Grounded Sealight Fittings <small>(26 05 33 13-0773)</small>		
26 05 33 13-0928 EA 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Grounded Sealight Fitting.....	134.39	15.41
<i>For Installation Above 14', Add</i>	4.62	
<i>For Work In Restricted Working Space, Add</i>	9.25	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.25	
26 05 33 13-0929 EA 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Grounded Sealight Fitting.....	194.27	20.35
<i>For Installation Above 14', Add</i>	6.10	
<i>For Work In Restricted Working Space, Add</i>	12.21	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.21	
26 05 33 13-0930 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Grounded Sealight Fitting.....	230.59	23.43
<i>For Installation Above 14', Add</i>	7.03	
<i>For Work In Restricted Working Space, Add</i>	14.06	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.06	
26 05 33 13-0931 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Grounded Sealight Fitting.....	267.33	27.13
<i>For Installation Above 14', Add</i>	8.14	
<i>For Work In Restricted Working Space, Add</i>	16.28	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16.28	
26 05 33 13-0932 EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Grounded Sealight Fitting.....	309.67	30.83
<i>For Installation Above 14', Add</i>	9.25	
<i>For Work In Restricted Working Space, Add</i>	18.50	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18.50	
26 05 33 13-0933 EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Grounded Sealight Fitting.....	482.22	33.91
<i>For Installation Above 14', Add</i>	10.17	
<i>For Work In Restricted Working Space, Add</i>	20.35	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20.35	
26 05 33 13-0934 EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Grounded Sealight Fitting.....	1,343.93	42.55
<i>For Installation Above 14', Add</i>	12.76	
<i>For Work In Restricted Working Space, Add</i>	25.52	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	25.52	
26 05 33 13-0935 EA 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Grounded Sealight Fitting.....	1,890.93	57.96
<i>For Installation Above 14', Add</i>	17.39	
<i>For Work In Restricted Working Space, Add</i>	34.78	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	34.78	
26 05 33 13-0936 EA 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Grounded Sealight Fitting.....	1,984.10	85.08
<i>For Installation Above 14', Add</i>	25.53	
<i>For Work In Restricted Working Space, Add</i>	51.05	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	51.05	

26 Electrical**26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0937			Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Grounded Sealtight Fittings <small>(26 05 33 13-0773)</small>		
26 05 33 13-0938	EA		1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Grounded Sealtight Fitting.....	107.63	15.41
			<i>For Installation Above 14', Add</i>	4.62	
			<i>For Work In Restricted Working Space, Add</i>	9.25	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.25	
26 05 33 13-0939	EA		3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Grounded Sealtight Fitting.....	136.15	20.35
			<i>For Installation Above 14', Add</i>	6.10	
			<i>For Work In Restricted Working Space, Add</i>	12.21	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.21	
26 05 33 13-0940	EA		1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Grounded Sealtight Fitting.....	162.75	23.43
			<i>For Installation Above 14', Add</i>	7.03	
			<i>For Work In Restricted Working Space, Add</i>	14.06	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.06	
26 05 33 13-0941	EA		1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Grounded Sealtight Fitting.....	180.80	27.13
			<i>For Installation Above 14', Add</i>	8.14	
			<i>For Work In Restricted Working Space, Add</i>	16.28	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16.28	
26 05 33 13-0942	EA		1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Grounded Sealtight Fitting.....	241.25	30.83
			<i>For Installation Above 14', Add</i>	9.25	
			<i>For Work In Restricted Working Space, Add</i>	18.50	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18.50	
26 05 33 13-0943	EA		2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Grounded Sealtight Fitting.....	337.22	33.91
			<i>For Installation Above 14', Add</i>	10.17	
			<i>For Work In Restricted Working Space, Add</i>	20.35	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20.35	
26 05 33 13-0944	EA		2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Grounded Sealtight Fitting.....	1,093.32	42.55
			<i>For Installation Above 14', Add</i>	12.76	
			<i>For Work In Restricted Working Space, Add</i>	25.52	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	25.52	
26 05 33 13-0945	EA		3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Grounded Sealtight Fitting.....	1,234.83	57.96
			<i>For Installation Above 14', Add</i>	17.39	
			<i>For Work In Restricted Working Space, Add</i>	34.78	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	34.78	
26 05 33 13-0946	EA		4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Grounded Sealtight Fitting.....	1,473.79	85.08
			<i>For Installation Above 14', Add</i>	25.53	
			<i>For Work In Restricted Working Space, Add</i>	51.05	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	51.05	
26 05 33 13-0947			Type C, LB, LR, LL, Two Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover <small>(26 05 33 13-0773)</small>		
			Note: Suitable for use in hazardous locations. Class 1, Div 2.		
26 05 33 13-0948	EA		1/2" Type C, LB, LR, LL, Two Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover.....	103.55	29.59
			<i>For Installation Above 14', Add</i>	8.88	
			<i>For Work In Restricted Working Space, Add</i>	17.76	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17.76	
26 05 33 13-0949	EA		3/4" Type C, LB, LR, LL, Two Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover.....	117.01	33.91
			<i>For Installation Above 14', Add</i>	10.17	
			<i>For Work In Restricted Working Space, Add</i>	20.35	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20.35	
26 05 33 13-0950	EA		1" Type C, LB, LR, LL, Two Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover.....	143.51	38.84
			<i>For Installation Above 14', Add</i>	11.65	
			<i>For Work In Restricted Working Space, Add</i>	23.31	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	23.31	
26 05 33 13-0951	EA		1-1/4" Type C, LB, LR, LL, Two Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover.....	185.56	45.01
			<i>For Installation Above 14', Add</i>	13.50	
			<i>For Work In Restricted Working Space, Add</i>	27.00	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	27.00	
26 05 33 13-0952	EA		1-1/2" Type C, LB, LR, LL, Two Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover.....	215.33	49.32
			<i>For Installation Above 14', Add</i>	14.80	
			<i>For Work In Restricted Working Space, Add</i>	29.60	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	29.60	
26 05 33 13-0953	EA		2" Type C, LB, LR, LL, Two Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover.....	290.40	59.19
			<i>For Installation Above 14', Add</i>	17.76	
			<i>For Work In Restricted Working Space, Add</i>	35.51	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	35.51	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0954 EA 2-1/2" Type C, LB, LR, LL, Two Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover.....	482.16	83.24
<i>For Installation Above 14', Add</i>	24.97	
<i>For Work In Restricted Working Space, Add</i>	49.94	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	49.94	
26 05 33 13-0955 EA 3" Type C, LB, LR, LL, Two Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover.....	619.09	110.99
<i>For Installation Above 14', Add</i>	33.30	
<i>For Work In Restricted Working Space, Add</i>	66.59	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	66.59	
26 05 33 13-0956 EA 3-1/2" Type C, LB, LR, LL, Two Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover.....	854.42	138.72
<i>For Installation Above 14', Add</i>	41.62	
<i>For Work In Restricted Working Space, Add</i>	83.24	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	83.24	
26 05 33 13-0957 EA 4" Type C, LB, LR, LL, Two Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover.....	984.61	168.94
<i>For Installation Above 14', Add</i>	50.68	
<i>For Work In Restricted Working Space, Add</i>	101.36	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	101.36	
26 05 33 13-0958 Type X, Four Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover <small>(26 05 33 13-0773)</small>		
Note: Suitable for use in hazardous locations. Class I, Div 2.		
26 05 33 13-0959 EA 1/2" Type X, Four Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover.....	135.36	38.84
<i>For Installation Above 14', Add</i>	11.65	
<i>For Work In Restricted Working Space, Add</i>	23.30	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	23.30	
26 05 33 13-0960 EA 3/4" Type X, Four Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover.....	153.86	43.16
<i>For Installation Above 14', Add</i>	12.95	
<i>For Work In Restricted Working Space, Add</i>	25.90	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	25.90	
26 05 33 13-0961 EA 1" Type X, Four Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover.....	185.92	47.48
<i>For Installation Above 14', Add</i>	14.24	
<i>For Work In Restricted Working Space, Add</i>	28.48	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	28.48	
26 05 33 13-0962 EA 1-1/4" Type X, Four Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover.....	246.36	54.26
<i>For Installation Above 14', Add</i>	16.28	
<i>For Work In Restricted Working Space, Add</i>	32.55	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	32.55	
26 05 33 13-0963 EA 1-1/2" Type X, Four Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover.....	289.25	59.19
<i>For Installation Above 14', Add</i>	17.76	
<i>For Work In Restricted Working Space, Add</i>	35.51	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	35.51	
26 05 33 13-0964 EA 2" Type X, Four Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover.....	390.94	72.76
<i>For Installation Above 14', Add</i>	21.83	
<i>For Work In Restricted Working Space, Add</i>	43.65	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	43.65	
26 05 33 13-0965 Type T Or TB, Three Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover <small>(26 05 33 13-0773)</small>		
Note: Suitable for use in hazardous locations. Class I, Div 2.		
26 05 33 13-0966 EA 1/2" Type T Or TB, Three Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover.....	119.04	33.91
<i>For Installation Above 14', Add</i>	10.17	
<i>For Work In Restricted Working Space, Add</i>	20.35	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20.35	
26 05 33 13-0967 EA 3/4" Type T Or TB, Three Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover.....	136.11	39.46
<i>For Installation Above 14', Add</i>	11.84	
<i>For Work In Restricted Working Space, Add</i>	23.68	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	23.68	
26 05 33 13-0968 EA 1" Type T Or TB, Three Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover.....	162.94	43.16
<i>For Installation Above 14', Add</i>	12.95	
<i>For Work In Restricted Working Space, Add</i>	25.90	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	25.90	
26 05 33 13-0969 EA 1-1/4" Type T Or TB, Three Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover.....	206.51	49.32
<i>For Installation Above 14', Add</i>	14.80	
<i>For Work In Restricted Working Space, Add</i>	29.60	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	29.60	
26 05 33 13-0970 EA 1-1/2" Type T Or TB, Three Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover.....	243.22	54.26
<i>For Installation Above 14', Add</i>	16.28	
<i>For Work In Restricted Working Space, Add</i>	32.56	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	32.56	
26 05 33 13-0971 EA 2" Type T Or TB, Three Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover.....	322.61	63.51
<i>For Installation Above 14', Add</i>	19.05	
<i>For Work In Restricted Working Space, Add</i>	38.10	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	38.10	
26 05 33 13-0972 EA 2-1/2" Type T Or TB, Three Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover.....	515.39	92.49
<i>For Installation Above 14', Add</i>	27.75	
<i>For Work In Restricted Working Space, Add</i>	55.49	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	55.49	

26 Electrical**26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0973	EA		3" Type T Or TB, Three Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover.....	681.36	120.23
			<i>For Installation Above 14', Add</i>	36.07	
			<i>For Work In Restricted Working Space, Add</i>	72.14	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	72.14	
26 05 33 13-0974	EA		3-1/2" Type T Or TB, Three Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover.....	929.68	147.97
			<i>For Installation Above 14', Add</i>	44.39	
			<i>For Work In Restricted Working Space, Add</i>	88.79	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	88.79	
26 05 33 13-0975	EA		4" Type T Or TB, Three Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover.....	1,043.90	178.19
			<i>For Installation Above 14', Add</i>	53.46	
			<i>For Work In Restricted Working Space, Add</i>	106.92	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	106.92	
26 05 33 13-0976 Replacement Iron Conduit Body Covers, Polyvinyl Chloride (PVC) Coated, Urethane Lined <small>(26 05 33 13-0773)</small>					
26 05 33 13-0977	EA		1/2" Replacement Iron Conduit Body Covers, Polyvinyl Chloride (PVC) Coated, Urethane Lined.....	16.93	3.70
			<i>For Installation Above 14', Add</i>	1.11	
			<i>For Work In Restricted Working Space, Add</i>	2.22	
26 05 33 13-0978	EA		3/4" Replacement Iron Conduit Body Covers, Polyvinyl Chloride (PVC) Coated, Urethane Lined.....	19.16	4.32
			<i>For Installation Above 14', Add</i>	1.29	
			<i>For Work In Restricted Working Space, Add</i>	2.59	
26 05 33 13-0979	EA		1" Replacement Iron Conduit Body Covers, Polyvinyl Chloride (PVC) Coated, Urethane Lined.....	24.91	5.55
			<i>For Installation Above 14', Add</i>	1.67	
			<i>For Work In Restricted Working Space, Add</i>	3.33	
26 05 33 13-0980	EA		1-1/4" Replacement Iron Conduit Body Covers, Polyvinyl Chloride (PVC) Coated, Urethane Lined.....	31.69	6.78
			<i>For Installation Above 14', Add</i>	2.04	
			<i>For Work In Restricted Working Space, Add</i>	4.07	
26 05 33 13-0981	EA		1-1/2" Replacement Iron Conduit Body Covers, Polyvinyl Chloride (PVC) Coated, Urethane Lined.....	35.90	8.02
			<i>For Installation Above 14', Add</i>	2.40	
			<i>For Work In Restricted Working Space, Add</i>	4.81	
26 05 33 13-0982	EA		2" Replacement Iron Conduit Body Covers, Polyvinyl Chloride (PVC) Coated, Urethane Lined.....	43.76	9.25
			<i>For Installation Above 14', Add</i>	2.78	
			<i>For Work In Restricted Working Space, Add</i>	5.55	
26 05 33 13-0983	EA		2-1/2" Replacement Iron Conduit Body Covers, Polyvinyl Chloride (PVC) Coated, Urethane Lined.....	55.11	10.48
			<i>For Installation Above 14', Add</i>	3.14	
			<i>For Work In Restricted Working Space, Add</i>	6.29	
26 05 33 13-0984	EA		3" Replacement Iron Conduit Body Covers, Polyvinyl Chloride (PVC) Coated, Urethane Lined.....	63.74	14.80
			<i>For Installation Above 14', Add</i>	4.44	
			<i>For Work In Restricted Working Space, Add</i>	8.88	
26 05 33 13-0985	EA		3-1/2" Replacement Iron Conduit Body Covers, Polyvinyl Chloride (PVC) Coated, Urethane Lined.....	76.12	16.64
			<i>For Installation Above 14', Add</i>	5.00	
			<i>For Work In Restricted Working Space, Add</i>	9.99	
26 05 33 13-0986	EA		4" Replacement Iron Conduit Body Covers, Polyvinyl Chloride (PVC) Coated, Urethane Lined.....	84.75	20.96
			<i>For Installation Above 14', Add</i>	6.29	
			<i>For Work In Restricted Working Space, Add</i>	12.58	
26 05 33 13-0987 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYS Sealing Conduit Bodies <small>(26 05 33 13-0773)</small>					
26 05 33 13-0988	EA		1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYS Sealing Conduit Body.....	115.48	29.59
			<i>For Installation Above 14', Add</i>	8.88	
			<i>For Work In Restricted Working Space, Add</i>	17.76	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17.76	
26 05 33 13-0989	EA		3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYS Sealing Conduit Body.....	128.36	33.91
			<i>For Installation Above 14', Add</i>	10.17	
			<i>For Work In Restricted Working Space, Add</i>	20.35	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20.35	
26 05 33 13-0990	EA		1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYS Sealing Conduit Body.....	149.60	38.84
			<i>For Installation Above 14', Add</i>	11.65	
			<i>For Work In Restricted Working Space, Add</i>	23.31	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	23.31	
26 05 33 13-0991	EA		1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYS Sealing Conduit Body.....	177.12	45.01
			<i>For Installation Above 14', Add</i>	13.50	
			<i>For Work In Restricted Working Space, Add</i>	27.01	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	27.01	
26 05 33 13-0992	EA		1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYS Sealing Conduit Body.....	217.71	49.32
			<i>For Installation Above 14', Add</i>	14.80	
			<i>For Work In Restricted Working Space, Add</i>	29.60	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	29.60	
26 05 33 13-0993	EA		2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYS Sealing Conduit Body.....	263.60	59.19
			<i>For Installation Above 14', Add</i>	17.76	
			<i>For Work In Restricted Working Space, Add</i>	35.51	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	35.51	
26 05 33 13-0994	EA		2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYS Sealing Conduit Body.....	380.72	83.24
			<i>For Installation Above 14', Add</i>	24.97	
			<i>For Work In Restricted Working Space, Add</i>	49.94	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	49.94	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0995 EA 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYS Sealing Conduit Body.....	489.92	110.99
<i>For Installation Above 14', Add</i>	33.30	
<i>For Work In Restricted Working Space, Add</i>	66.59	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	66.59	
26 05 33 13-0996 EA 3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYS Sealing Conduit Body	945.89	138.72
<i>For Installation Above 14', Add</i>	41.62	
<i>For Work In Restricted Working Space, Add</i>	83.24	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	83.24	
26 05 33 13-0997 EA 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYS Sealing Conduit Body.....	1,371.13	168.94
<i>For Installation Above 14', Add</i>	50.68	
<i>For Work In Restricted Working Space, Add</i>	101.36	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	101.36	
26 05 33 13-0998 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYD Sealing Conduit Bodies <small>(26 05 33 13-0773)</small>		
26 05 33 13-0999 EA 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYD Sealing Conduit Body	188.75	29.59
<i>For Installation Above 14', Add</i>	8.88	
<i>For Work In Restricted Working Space, Add</i>	17.76	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17.76	
26 05 33 13-1000 EA 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYD Sealing Conduit Body	204.11	33.91
<i>For Installation Above 14', Add</i>	10.17	
<i>For Work In Restricted Working Space, Add</i>	20.35	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20.35	
26 05 33 13-1001 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYD Sealing Conduit Body	233.13	38.84
<i>For Installation Above 14', Add</i>	11.65	
<i>For Work In Restricted Working Space, Add</i>	23.31	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	23.31	
26 05 33 13-1002 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYD Sealing Conduit Body	261.60	45.01
<i>For Installation Above 14', Add</i>	13.50	
<i>For Work In Restricted Working Space, Add</i>	27.01	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	27.01	
26 05 33 13-1003 EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYD Sealing Conduit Body	314.96	49.32
<i>For Installation Above 14', Add</i>	14.80	
<i>For Work In Restricted Working Space, Add</i>	29.60	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	29.60	
26 05 33 13-1004 EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYD Sealing Conduit Body	356.11	59.19
<i>For Installation Above 14', Add</i>	17.76	
<i>For Work In Restricted Working Space, Add</i>	35.51	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	35.51	
26 05 33 13-1005 EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYD Sealing Conduit Body	501.01	83.24
<i>For Installation Above 14', Add</i>	24.97	
<i>For Work In Restricted Working Space, Add</i>	49.94	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	49.94	
26 05 33 13-1006 EA 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYD Sealing Conduit Body	695.92	110.99
<i>For Installation Above 14', Add</i>	33.30	
<i>For Work In Restricted Working Space, Add</i>	66.59	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	66.59	
26 05 33 13-1007 EA 3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYD Sealing Conduit Body	1,005.71	138.72
<i>For Installation Above 14', Add</i>	41.62	
<i>For Work In Restricted Working Space, Add</i>	83.24	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	83.24	
26 05 33 13-1008 EA 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYD Sealing Conduit Body	1,449.41	168.94
<i>For Installation Above 14', Add</i>	50.68	
<i>For Work In Restricted Working Space, Add</i>	101.36	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	101.36	
26 05 33 13-1009 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZS Sealing Conduit Bodies <small>(26 05 33 13-0773)</small>		
26 05 33 13-1010 EA 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZS Sealing Conduit Body.....	153.48	29.59
<i>For Installation Above 14', Add</i>	8.88	
<i>For Work In Restricted Working Space, Add</i>	17.76	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17.76	
26 05 33 13-1011 EA 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZS Sealing Conduit Body	164.61	33.91
<i>For Installation Above 14', Add</i>	10.17	
<i>For Work In Restricted Working Space, Add</i>	20.35	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20.35	
26 05 33 13-1012 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZS Sealing Conduit Body.....	189.08	38.84
<i>For Installation Above 14', Add</i>	11.65	
<i>For Work In Restricted Working Space, Add</i>	23.31	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	23.31	
26 05 33 13-1013 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZS Sealing Conduit Body	211.64	45.01
<i>For Installation Above 14', Add</i>	13.50	
<i>For Work In Restricted Working Space, Add</i>	27.01	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	27.01	

26 Electrical**26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1014 EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZS Sealing Conduit Body	285.87	49.32
For Installation Above 14', Add	14.80	
For Work In Restricted Working Space, Add	29.60	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	29.60	
26 05 33 13-1015 EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZS Sealing Conduit Body	357.87	59.19
For Installation Above 14', Add	17.76	
For Work In Restricted Working Space, Add	35.51	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	35.51	
26 05 33 13-1016 EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZS Sealing Conduit Body	552.16	83.24
For Installation Above 14', Add	24.97	
For Work In Restricted Working Space, Add	49.94	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	49.94	
26 05 33 13-1017 EA 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZS Sealing Conduit Body	799.99	110.99
For Installation Above 14', Add	33.30	
For Work In Restricted Working Space, Add	66.59	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	66.59	
26 05 33 13-1018 EA 3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZS Sealing Conduit Body	1,005.71	138.72
For Installation Above 14', Add	41.62	
For Work In Restricted Working Space, Add	83.24	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	83.24	
26 05 33 13-1019 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZD Sealing Conduit Bodies <small>(26 05 33 13-0773)</small>		
26 05 33 13-1020 EA 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZD Sealing Conduit Body	199.10	29.59
For Installation Above 14', Add	8.88	
For Work In Restricted Working Space, Add	17.76	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	17.76	
26 05 33 13-1021 EA 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZD Sealing Conduit Body	221.38	33.91
For Installation Above 14', Add	10.17	
For Work In Restricted Working Space, Add	20.35	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	20.35	
26 05 33 13-1022 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZD Sealing Conduit Body	273.09	38.84
For Installation Above 14', Add	11.65	
For Work In Restricted Working Space, Add	23.31	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	23.31	
26 05 33 13-1023 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZD Sealing Conduit Body	335.49	45.01
For Installation Above 14', Add	13.50	
For Work In Restricted Working Space, Add	27.01	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	27.01	
26 05 33 13-1024 EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZD Sealing Conduit Body	460.85	49.32
For Installation Above 14', Add	14.80	
For Work In Restricted Working Space, Add	29.60	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	29.60	
26 05 33 13-1025 EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZD Sealing Conduit Body	552.35	59.19
For Installation Above 14', Add	17.76	
For Work In Restricted Working Space, Add	35.51	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	35.51	
26 05 33 13-1026 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Split Couplings <small>(26 05 33 13-0773)</small>		
26 05 33 13-1027 EA 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Split Coupling	40.86	11.85
For Installation Above 14', Add	3.56	
For Work In Restricted Working Space, Add	7.12	
26 05 33 13-1028 EA 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Split Coupling	53.58	14.23
For Installation Above 14', Add	4.27	
For Work In Restricted Working Space, Add	8.54	
26 05 33 13-1029 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Split Coupling	68.44	18.97
For Installation Above 14', Add	5.69	
For Work In Restricted Working Space, Add	11.38	
26 05 33 13-1030 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Split Coupling	93.20	23.72
For Installation Above 14', Add	7.11	
For Work In Restricted Working Space, Add	14.23	
26 05 33 13-1031 EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Split Coupling	121.22	28.46
For Installation Above 14', Add	8.54	
For Work In Restricted Working Space, Add	17.08	
26 05 33 13-1032 EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Split Coupling	202.36	33.20
For Installation Above 14', Add	9.96	
For Work In Restricted Working Space, Add	19.92	
26 05 33 13-1033 EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Split Coupling	289.95	37.94
For Installation Above 14', Add	11.38	
For Work In Restricted Working Space, Add	22.77	
26 05 33 13-1034 EA 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Split Coupling	359.88	42.69
For Installation Above 14', Add	12.81	
For Work In Restricted Working Space, Add	25.61	
26 05 33 13-1035 EA 3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Split Coupling	497.08	49.80
For Installation Above 14', Add	14.94	
For Work In Restricted Working Space, Add	29.88	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1036 EA 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Split Coupling.....	602.12	56.92
<i>For Installation Above 14', Add</i>	17.07	
<i>For Work In Restricted Working Space, Add</i>	34.15	
26 05 33 13-1037 EA 5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Split Coupling.....	963.31	90.11
<i>For Installation Above 14', Add</i>	27.03	
<i>For Work In Restricted Working Space, Add</i>	54.07	
26 05 33 13-1038 EA 6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Split Coupling.....	1,322.56	137.54
<i>For Installation Above 14', Add</i>	41.26	
<i>For Work In Restricted Working Space, Add</i>	82.52	
26 05 33 13-1039 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Pulling Elbows <small>(26 05 33 13-0773)</small>		
26 05 33 13-1040 EA 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Pulling Elbow.....	145.43	29.59
<i>For Installation Above 14', Add</i>	8.88	
<i>For Work In Restricted Working Space, Add</i>	17.76	
26 05 33 13-1041 EA 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Pulling Elbow.....	171.00	32.68
<i>For Installation Above 14', Add</i>	9.80	
<i>For Work In Restricted Working Space, Add</i>	19.61	
26 05 33 13-1042 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Pulling Elbow.....	189.81	38.84
<i>For Installation Above 14', Add</i>	11.65	
<i>For Work In Restricted Working Space, Add</i>	23.31	
26 05 33 13-1043 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Pulling Elbow.....	268.44	45.01
<i>For Installation Above 14', Add</i>	13.50	
<i>For Work In Restricted Working Space, Add</i>	27.01	
26 05 33 13-1044 EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Pulling Elbow.....	350.07	49.32
<i>For Installation Above 14', Add</i>	14.80	
<i>For Work In Restricted Working Space, Add</i>	29.60	
26 05 33 13-1045 EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Pulling Elbow.....	380.24	59.19
<i>For Installation Above 14', Add</i>	17.76	
<i>For Work In Restricted Working Space, Add</i>	35.51	
26 05 33 13-1046 EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Pulling Elbow.....	874.96	82.01
<i>For Installation Above 14', Add</i>	24.60	
<i>For Work In Restricted Working Space, Add</i>	49.20	
26 05 33 13-1047 EA 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Pulling Elbow.....	933.09	110.99
<i>For Installation Above 14', Add</i>	33.30	
<i>For Work In Restricted Working Space, Add</i>	66.59	
26 05 33 13-1048 EA 3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Pulling Elbow.....	1,509.23	138.72
<i>For Installation Above 14', Add</i>	41.62	
<i>For Work In Restricted Working Space, Add</i>	83.24	
26 05 33 13-1049 EA 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Pulling Elbow.....	1,581.61	168.94
<i>For Installation Above 14', Add</i>	50.69	
<i>For Work In Restricted Working Space, Add</i>	101.37	
26 05 33 13-1050 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Hazardous Locations Pulling Elbows <small>(26 05 33 13-0773)</small>		
26 05 33 13-1051 EA 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Hazardous Locations Pulling Elbow.....	206.81	29.59
<i>For Installation Above 14', Add</i>	8.88	
<i>For Work In Restricted Working Space, Add</i>	17.76	
26 05 33 13-1052 EA 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Hazardous Locations Pulling Elbow.....	235.67	33.91
<i>For Installation Above 14', Add</i>	10.17	
<i>For Work In Restricted Working Space, Add</i>	20.35	
26 05 33 13-1053 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Hazardous Locations Pulling Elbow.....	453.85	38.84
<i>For Installation Above 14', Add</i>	11.65	
<i>For Work In Restricted Working Space, Add</i>	23.31	
26 05 33 13-1054 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Hazardous Locations Pulling Elbow.....	477.80	45.01
<i>For Installation Above 14', Add</i>	13.50	
<i>For Work In Restricted Working Space, Add</i>	27.01	
26 05 33 13-1055 EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Hazardous Locations Pulling Elbow.....	648.30	49.32
<i>For Installation Above 14', Add</i>	14.80	
<i>For Work In Restricted Working Space, Add</i>	29.60	
26 05 33 13-1056 EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Hazardous Locations Pulling Elbow.....	694.10	59.19
<i>For Installation Above 14', Add</i>	17.76	
<i>For Work In Restricted Working Space, Add</i>	35.51	
26 05 33 13-1057 EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Hazardous Locations Pulling Elbow.....	1,322.50	83.24
<i>For Installation Above 14', Add</i>	24.97	
<i>For Work In Restricted Working Space, Add</i>	49.94	
26 05 33 13-1058 EA 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Hazardous Locations Pulling Elbow.....	1,400.84	110.99
<i>For Installation Above 14', Add</i>	33.30	
<i>For Work In Restricted Working Space, Add</i>	66.59	
26 05 33 13-1059 EA 3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Hazardous Locations Pulling Elbow.....	2,042.79	138.72
<i>For Installation Above 14', Add</i>	41.62	
<i>For Work In Restricted Working Space, Add</i>	83.24	

26 Electrical**26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1060 EA 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Hazardous Locations Pulling Elbow.....	2,317.80	168.94
For Installation Above 14', Add	50.68	
For Work In Restricted Working Space, Add	101.36	
26 05 33 13-1061 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Male To Male 90 Degree Malleable Elbows <small>(26 05 33 13-0773)</small>		
26 05 33 13-1062 EA 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Male To Male 90 Degree Malleable Elbow.....	80.94	15.41
For Installation Above 14', Add	4.62	
For Work In Restricted Working Space, Add	9.25	
26 05 33 13-1063 EA 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Male To Male 90 Degree Malleable Elbow.....	94.65	19.11
For Installation Above 14', Add	5.73	
For Work In Restricted Working Space, Add	11.47	
26 05 33 13-1064 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Male To Male 90 Degree Malleable Elbow.....	113.01	23.43
For Installation Above 14', Add	7.03	
For Work In Restricted Working Space, Add	14.06	
26 05 33 13-1065 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Male To Male 90 Degree Malleable Elbow.....	133.20	27.13
For Installation Above 14', Add	8.14	
For Work In Restricted Working Space, Add	16.28	
26 05 33 13-1066 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 90 Degree Malleable Elbows <small>(26 05 33 13-0773)</small>		
26 05 33 13-1067 EA 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 90 Degree Malleable Elbow.....	64.95	15.41
For Installation Above 14', Add	4.62	
For Work In Restricted Working Space, Add	9.25	
26 05 33 13-1068 EA 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 90 Degree Malleable Elbow.....	75.46	19.11
For Installation Above 14', Add	5.73	
For Work In Restricted Working Space, Add	11.47	
26 05 33 13-1069 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 90 Degree Malleable Elbow.....	103.66	23.43
For Installation Above 14', Add	7.03	
For Work In Restricted Working Space, Add	14.06	
26 05 33 13-1070 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 90 Degree Malleable Elbow.....	133.27	27.13
For Installation Above 14', Add	8.14	
For Work In Restricted Working Space, Add	16.28	
26 05 33 13-1071 EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 90 Degree Malleable Elbow.....	161.58	30.83
For Installation Above 14', Add	9.25	
For Work In Restricted Working Space, Add	18.50	
26 05 33 13-1072 EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 90 Degree Malleable Elbow.....	228.48	33.91
For Installation Above 14', Add	10.17	
For Work In Restricted Working Space, Add	20.35	
26 05 33 13-1073 EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 90 Degree Malleable Elbow.....	310.83	42.55
For Installation Above 14', Add	12.76	
For Work In Restricted Working Space, Add	25.52	
26 05 33 13-1074 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Male To Female 90 Degree Malleable Elbows <small>(26 05 33 13-0773)</small>		
26 05 33 13-1075 EA 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Male To Female 90 Degree Malleable Elbow.....	80.97	15.41
For Installation Above 14', Add	4.62	
For Work In Restricted Working Space, Add	9.25	
26 05 33 13-1076 EA 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Male To Female 90 Degree Malleable Elbow.....	96.86	19.11
For Installation Above 14', Add	5.73	
For Work In Restricted Working Space, Add	11.47	
26 05 33 13-1077 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Male To Female 90 Degree Malleable Elbow.....	113.03	23.43
For Installation Above 14', Add	7.03	
For Work In Restricted Working Space, Add	14.06	
26 05 33 13-1078 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Male To Female 90 Degree Malleable Elbow.....	133.24	27.13
For Installation Above 14', Add	8.14	
For Work In Restricted Working Space, Add	16.28	
26 05 33 13-1079 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 45 Degree Malleable Elbows <small>(26 05 33 13-0773)</small>		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1080 EA 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 45 Degree Malleable Elbow.....	65.00	15.41
<i>For Installation Above 14', Add</i>	4.62	
<i>For Work In Restricted Working Space, Add</i>	9.25	
26 05 33 13-1081 EA 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 45 Degree Malleable Elbow.....	75.46	19.11
<i>For Installation Above 14', Add</i>	5.73	
<i>For Work In Restricted Working Space, Add</i>	11.47	
26 05 33 13-1082 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 45 Degree Malleable Elbow.....	97.04	23.43
<i>For Installation Above 14', Add</i>	7.03	
<i>For Work In Restricted Working Space, Add</i>	14.06	
26 05 33 13-1083 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 45 Degree Malleable Elbow.....	120.41	27.13
<i>For Installation Above 14', Add</i>	8.14	
<i>For Work In Restricted Working Space, Add</i>	16.28	
26 05 33 13-1084 EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 45 Degree Malleable Elbow.....	140.64	30.83
<i>For Installation Above 14', Add</i>	9.25	
<i>For Work In Restricted Working Space, Add</i>	18.50	
26 05 33 13-1085 EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 45 Degree Malleable Elbow.....	161.39	33.91
<i>For Installation Above 14', Add</i>	10.17	
<i>For Work In Restricted Working Space, Add</i>	20.35	
26 05 33 13-1086 EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 45 Degree Malleable Elbow.....	293.72	42.55
<i>For Installation Above 14', Add</i>	12.76	
<i>For Work In Restricted Working Space, Add</i>	25.52	
26 05 33 13-1087 EA 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 45 Degree Malleable Elbow.....	340.06	57.96
<i>For Installation Above 14', Add</i>	17.39	
<i>For Work In Restricted Working Space, Add</i>	34.78	
26 05 33 13-1088 EA 3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 45 Degree Malleable Elbow.....	367.94	65.35
<i>For Installation Above 14', Add</i>	19.61	
<i>For Work In Restricted Working Space, Add</i>	39.22	
26 05 33 13-1089 EA 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 45 Degree Malleable Elbow.....	455.59	85.08
<i>For Installation Above 14', Add</i>	25.53	
<i>For Work In Restricted Working Space, Add</i>	51.05	
26 05 33 13-1090 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Service Entrance Elbows <small>(26 05 33 13-0773)</small>		
26 05 33 13-1091 EA 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Service Entrance Elbow.....	135.07	29.59
<i>For Installation Above 14', Add</i>	8.88	
<i>For Work In Restricted Working Space, Add</i>	17.76	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17.76	
26 05 33 13-1092 EA 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Service Entrance Elbow.....	146.69	33.91
<i>For Installation Above 14', Add</i>	10.17	
<i>For Work In Restricted Working Space, Add</i>	20.35	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20.35	
26 05 33 13-1093 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Service Entrance Elbow.....	161.22	38.84
<i>For Installation Above 14', Add</i>	11.65	
<i>For Work In Restricted Working Space, Add</i>	23.31	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	23.31	
26 05 33 13-1094 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Service Entrance Elbow.....	213.87	45.01
<i>For Installation Above 14', Add</i>	13.50	
<i>For Work In Restricted Working Space, Add</i>	27.01	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	27.01	
26 05 33 13-1095 EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Service Entrance Elbow.....	269.17	49.32
<i>For Installation Above 14', Add</i>	14.80	
<i>For Work In Restricted Working Space, Add</i>	29.60	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	29.60	
26 05 33 13-1096 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAB, GUAC, GUAL, GUAN Junction Boxes With Cast Iron Cover <small>(26 05 33 13-0773)</small>		
26 05 33 13-1097 EA 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAB, GUAC, GUAL, GUAN Junction Box With Cast Iron Cover.....	160.41	29.59
<i>For Installation Above 14', Add</i>	8.88	
<i>For Work In Restricted Working Space, Add</i>	17.76	
26 05 33 13-1098 EA 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAB, GUAC, GUAL, GUAN Junction Box With Cast Iron Cover.....	173.58	33.91
<i>For Installation Above 14', Add</i>	10.17	
<i>For Work In Restricted Working Space, Add</i>	20.35	
26 05 33 13-1099 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAB, GUAC, GUAL, GUAN Junction Box With Cast Iron Cover.....	202.60	38.84
<i>For Installation Above 14', Add</i>	11.65	
<i>For Work In Restricted Working Space, Add</i>	23.31	
26 05 33 13-1100 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAB, GUAC, GUAL, GUAN Junction Box With Cast Iron Cover.....	285.69	45.01
<i>For Installation Above 14', Add</i>	13.50	
<i>For Work In Restricted Working Space, Add</i>	27.01	

26 Electrical**26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33	13-1101	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAB, GUAC, GUAL, GUAN Junction Box With Cast Iron Cover.....	455.28	49.32
			<i>For Installation Above 14', Add</i>	14.80	
			<i>For Work In Restricted Working Space, Add</i>	29.60	
26 05 33	13-1102	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAB, GUAC, GUAL, GUAN Junction Box With Cast Iron Cover.....	494.12	59.19
			<i>For Installation Above 14', Add</i>	17.76	
			<i>For Work In Restricted Working Space, Add</i>	35.51	
26 05 33 13-1103 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAT Junction Boxes With Cast Iron Cover <small>(26 05 33 13-0773)</small>					
26 05 33	13-1104	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAT Junction Box With Cast Iron Cover.....	174.79	29.59
			<i>For Installation Above 14', Add</i>	8.88	
			<i>For Work In Restricted Working Space, Add</i>	17.76	
26 05 33	13-1105	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAT Junction Box With Cast Iron Cover.....	197.56	33.91
			<i>For Installation Above 14', Add</i>	10.17	
			<i>For Work In Restricted Working Space, Add</i>	20.35	
26 05 33	13-1106	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAT Junction Box With Cast Iron Cover.....	216.29	38.84
			<i>For Installation Above 14', Add</i>	11.65	
			<i>For Work In Restricted Working Space, Add</i>	23.31	
26 05 33	13-1107	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAT Junction Box With Cast Iron Cover.....	299.60	45.01
			<i>For Installation Above 14', Add</i>	13.50	
			<i>For Work In Restricted Working Space, Add</i>	27.01	
26 05 33	13-1108	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAT Junction Box With Cast Iron Cover.....	488.44	49.32
			<i>For Installation Above 14', Add</i>	14.80	
			<i>For Work In Restricted Working Space, Add</i>	29.60	
26 05 33	13-1109	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAT Junction Box With Cast Iron Cover.....	524.56	59.19
			<i>For Installation Above 14', Add</i>	17.76	
			<i>For Work In Restricted Working Space, Add</i>	35.51	
26 05 33 13-1110 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAW, GUAX Junction Boxes With Cast Iron Cover <small>(26 05 33 13-0773)</small>					
26 05 33	13-1111	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAW, GUAX Junction Box With Cast Iron Cover.....	174.90	29.59
			<i>For Installation Above 14', Add</i>	8.88	
			<i>For Work In Restricted Working Space, Add</i>	17.76	
26 05 33	13-1112	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAW, GUAX Junction Box With Cast Iron Cover.....	193.32	33.91
			<i>For Installation Above 14', Add</i>	10.17	
			<i>For Work In Restricted Working Space, Add</i>	20.35	
26 05 33	13-1113	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAW, GUAX Junction Box With Cast Iron Cover.....	229.49	38.84
			<i>For Installation Above 14', Add</i>	11.65	
			<i>For Work In Restricted Working Space, Add</i>	23.31	
26 05 33	13-1114	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAW, GUAX Junction Box With Cast Iron Cover.....	310.19	45.01
			<i>For Installation Above 14', Add</i>	13.50	
			<i>For Work In Restricted Working Space, Add</i>	27.01	
26 05 33	13-1115	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAW, GUAX Junction Box With Cast Iron Cover.....	504.25	49.32
			<i>For Installation Above 14', Add</i>	14.80	
			<i>For Work In Restricted Working Space, Add</i>	29.60	
26 05 33	13-1116	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAW, GUAX Junction Box With Cast Iron Cover.....	544.05	59.19
			<i>For Installation Above 14', Add</i>	17.76	
			<i>For Work In Restricted Working Space, Add</i>	35.51	
26 05 33 13-1117 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAD Junction Boxes With Cast Iron Cover <small>(26 05 33 13-0773)</small>					
26 05 33	13-1118	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAD Junction Box With Cast Iron Cover.....	214.71	29.59
			<i>For Installation Above 14', Add</i>	8.88	
			<i>For Work In Restricted Working Space, Add</i>	17.76	
26 05 33	13-1119	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAD Junction Box With Cast Iron Cover.....	237.57	33.91
			<i>For Installation Above 14', Add</i>	10.17	
			<i>For Work In Restricted Working Space, Add</i>	20.35	
26 05 33	13-1120	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAD Junction Box With Cast Iron Cover.....	258.27	38.84
			<i>For Installation Above 14', Add</i>	11.65	
			<i>For Work In Restricted Working Space, Add</i>	23.31	
26 05 33	13-1121	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAD Junction Box With Cast Iron Cover.....	631.91	45.01
			<i>For Installation Above 14', Add</i>	13.50	
			<i>For Work In Restricted Working Space, Add</i>	27.01	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1122				Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) FS Series Junction Boxes <small>(26 05 33 13-0773)</small>		
				Note: Excludes cover.		
26 05 33 13-1123	EA			1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) FS Series Junction Box.....	108.57	29.59
				For Installation Above 14', Add	8.88	
				For Work In Restricted Working Space, Add	17.76	
26 05 33 13-1124	EA			3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) FS Series Junction Box.....	119.87	33.91
				For Installation Above 14', Add	10.17	
				For Work In Restricted Working Space, Add	20.35	
26 05 33 13-1125	EA			1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) FS Series Junction Box.....	134.20	38.84
				For Installation Above 14', Add	11.65	
				For Work In Restricted Working Space, Add	23.31	
26 05 33 13-1126	EA			1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) FS Series Junction Box.....	119.36	29.59
				For Installation Above 14', Add	8.88	
				For Work In Restricted Working Space, Add	17.76	
26 05 33 13-1127	EA			3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) FS Series Junction Box.....	129.31	33.91
				For Installation Above 14', Add	10.17	
				For Work In Restricted Working Space, Add	20.35	
26 05 33 13-1128	EA			1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) FS Series Junction Box.....	147.32	38.84
				For Installation Above 14', Add	11.65	
				For Work In Restricted Working Space, Add	23.31	
26 05 33 13-1129				Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) FD Series Junction Boxes <small>(26 05 33 13-0773)</small>		
				Note: Excludes cover.		
26 05 33 13-1130	EA			1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) FD Series Junction Box.....	113.67	29.59
				For Installation Above 14', Add	8.88	
				For Work In Restricted Working Space, Add	17.76	
26 05 33 13-1131	EA			3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) FD Series Junction Box.....	125.61	33.91
				For Installation Above 14', Add	10.17	
				For Work In Restricted Working Space, Add	20.35	
26 05 33 13-1132	EA			1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) FD Series Junction Box.....	138.17	38.84
				For Installation Above 14', Add	11.65	
				For Work In Restricted Working Space, Add	23.31	
26 05 33 13-1133	EA			1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) FD Series Junction Box.....	126.66	29.59
				For Installation Above 14', Add	8.88	
				For Work In Restricted Working Space, Add	17.76	
26 05 33 13-1134	EA			3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) FD Series Junction Box.....	138.73	33.91
				For Installation Above 14', Add	10.17	
				For Work In Restricted Working Space, Add	20.35	
26 05 33 13-1135	EA			1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) FD Series Junction Box.....	157.01	38.84
				For Installation Above 14', Add	11.65	
				For Work In Restricted Working Space, Add	23.31	
26 05 33 13-1136				Polyvinyl Chloride (PVC) Coated, Urethane Lined, FS And FD Series Covers <small>(26 05 33 13-0773)</small>		
26 05 33 13-1137	EA			Polyvinyl Chloride (PVC) Coated, Urethane Lined, DS23, FS And FD Series Cover.....	37.95	3.70
				For Installation Above 14', Add	1.11	
				For Work In Restricted Working Space, Add	2.22	
26 05 33 13-1138	EA			Polyvinyl Chloride (PVC) Coated, Urethane Lined, DS21G, FS And FD Series Cover.....	51.37	4.32
				For Installation Above 14', Add	1.29	
				For Work In Restricted Working Space, Add	2.59	
26 05 33 13-1139	EA			Polyvinyl Chloride (PVC) Coated, Urethane Lined, DS32G, FS And FD Series Cover.....	48.57	4.32
				For Installation Above 14', Add	1.29	
				For Work In Restricted Working Space, Add	2.59	
26 05 33 13-1140	EA			Polyvinyl Chloride (PVC) Coated, Urethane Lined, DS100G, FS And FD Series Cover.....	43.33	4.32
				For Installation Above 14', Add	1.29	
				For Work In Restricted Working Space, Add	2.59	
26 05 33 13-1141	EA			Polyvinyl Chloride (PVC) Coated, Urethane Lined, WLRD1, FS And FD Series Cover.....	206.26	6.16
				For Installation Above 14', Add	1.85	
				For Work In Restricted Working Space, Add	3.70	
26 05 33 13-1142	EA			Polyvinyl Chloride (PVC) Coated, Urethane Lined, WLRS1, FS And FD Series Cover.....	183.57	6.16
				For Installation Above 14', Add	1.85	
				For Work In Restricted Working Space, Add	3.70	
26 05 33 13-1143				Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Mogul Conduit Bodies <small>(26 05 33 13-0773)</small>		
				Note: Includes covers.		
26 05 33 13-1144	EA			1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BC Mogul Conduit Body.....	226.57	38.84
				For Installation Above 14', Add	11.65	
				For Work In Restricted Working Space, Add	23.31	
26 05 33 13-1145	EA			1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BC Mogul Conduit Body.....	254.96	45.01
				For Installation Above 14', Add	13.50	
				For Work In Restricted Working Space, Add	27.01	
26 05 33 13-1146	EA			1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BC Mogul Conduit Body.....	347.65	49.32
				For Installation Above 14', Add	14.80	
				For Work In Restricted Working Space, Add	29.60	

26 Electrical**26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1147 EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BC Mogul Conduit Body.....	414.40	59.19
For Installation Above 14', Add	17.76	
For Work In Restricted Working Space, Add	35.51	
26 05 33 13-1148 EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BC Mogul Conduit Body.....	597.89	83.24
For Installation Above 14', Add	24.97	
For Work In Restricted Working Space, Add	49.94	
26 05 33 13-1149 EA 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BC Mogul Conduit Body.....	756.45	110.99
For Installation Above 14', Add	33.30	
For Work In Restricted Working Space, Add	66.59	
26 05 33 13-1150 EA 3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BC Mogul Conduit Body.....	1,100.62	138.72
For Installation Above 14', Add	41.62	
For Work In Restricted Working Space, Add	83.24	
26 05 33 13-1151 EA 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BC Mogul Conduit Body.....	1,364.56	168.94
For Installation Above 14', Add	50.68	
For Work In Restricted Working Space, Add	101.36	
26 05 33 13-1152 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BLB Mogul Conduit Body.....	226.57	38.84
For Installation Above 14', Add	11.65	
For Work In Restricted Working Space, Add	23.31	
26 05 33 13-1153 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BLB Mogul Conduit Body.....	254.96	45.01
For Installation Above 14', Add	13.50	
For Work In Restricted Working Space, Add	27.01	
26 05 33 13-1154 EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BLB Mogul Conduit Body.....	346.74	49.32
For Installation Above 14', Add	14.80	
For Work In Restricted Working Space, Add	29.60	
26 05 33 13-1155 EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BLB Mogul Conduit Body.....	405.16	59.19
For Installation Above 14', Add	17.76	
For Work In Restricted Working Space, Add	35.51	
26 05 33 13-1156 EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BLB Mogul Conduit Body.....	606.40	83.24
For Installation Above 14', Add	24.97	
For Work In Restricted Working Space, Add	49.94	
26 05 33 13-1157 EA 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BLB Mogul Conduit Body.....	794.61	110.99
For Installation Above 14', Add	33.30	
For Work In Restricted Working Space, Add	66.59	
26 05 33 13-1158 EA 3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BLB Mogul Conduit Body.....	1,146.69	138.72
For Installation Above 14', Add	41.62	
For Work In Restricted Working Space, Add	83.24	
26 05 33 13-1159 EA 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BLB Mogul Conduit Body.....	1,393.25	168.94
For Installation Above 14', Add	50.68	
For Work In Restricted Working Space, Add	101.36	
26 05 33 13-1160 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BT Mogul Conduit Body.....	226.57	38.84
For Installation Above 14', Add	11.65	
For Work In Restricted Working Space, Add	23.31	
26 05 33 13-1161 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BT Mogul Conduit Body.....	254.96	45.01
For Installation Above 14', Add	13.50	
For Work In Restricted Working Space, Add	27.01	
26 05 33 13-1162 EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BT Mogul Conduit Body.....	346.74	49.32
For Installation Above 14', Add	14.80	
For Work In Restricted Working Space, Add	29.60	
26 05 33 13-1163 EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BT Mogul Conduit Body.....	405.16	59.19
For Installation Above 14', Add	17.76	
For Work In Restricted Working Space, Add	35.51	
26 05 33 13-1164 EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BT Mogul Conduit Body.....	606.40	83.24
For Installation Above 14', Add	24.97	
For Work In Restricted Working Space, Add	49.94	
26 05 33 13-1165 EA 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BT Mogul Conduit Body.....	794.61	110.99
For Installation Above 14', Add	33.30	
For Work In Restricted Working Space, Add	66.59	
26 05 33 13-1166 EA 3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BT Mogul Conduit Body.....	1,146.69	138.72
For Installation Above 14', Add	41.62	
For Work In Restricted Working Space, Add	83.24	
26 05 33 13-1167 EA 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BT Mogul Conduit Body.....	1,393.25	168.94
For Installation Above 14', Add	50.68	
For Work In Restricted Working Space, Add	101.36	
26 05 33 13-1168 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BUB Mogul Conduit Body.....	226.57	38.84
For Installation Above 14', Add	11.65	
For Work In Restricted Working Space, Add	23.31	
26 05 33 13-1169 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BUB Mogul Conduit Body.....	254.96	45.01
For Installation Above 14', Add	13.50	
For Work In Restricted Working Space, Add	27.01	
26 05 33 13-1170 EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BUB Mogul Conduit Body.....	347.65	49.32
For Installation Above 14', Add	14.80	
For Work In Restricted Working Space, Add	29.60	
26 05 33 13-1171 EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BUB Mogul Conduit Body.....	410.13	59.19
For Installation Above 14', Add	17.76	
For Work In Restricted Working Space, Add	35.51	
26 05 33 13-1172 EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BUB Mogul Conduit Body.....	597.89	83.24
For Installation Above 14', Add	24.97	
For Work In Restricted Working Space, Add	49.94	
26 05 33 13-1173 EA 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BUB Mogul Conduit Body.....	756.45	110.99
For Installation Above 14', Add	33.30	
For Work In Restricted Working Space, Add	66.59	
26 05 33 13-1174 EA 3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BUB Mogul Conduit Body.....	1,100.62	138.72
For Installation Above 14', Add	41.62	
For Work In Restricted Working Space, Add	83.24	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1175 EA 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BUB Mogul Conduit Body..... <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	1,376.51 50.68 101.36	168.94
26 05 33 13-1176 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Replacement Rigid Galvanized Steel (RGS) Mogul Covers <small>(26 05 33 13-0773)</small>		
26 05 33 13-1177 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Replacement Rigid Galvanized Steel (RGS) Mogul Cover..... <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	108.10 1.67 3.33	5.55
26 05 33 13-1178 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Replacement Rigid Galvanized Steel (RGS) Mogul Cover..... <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	109.34 1.85 3.70	6.16
26 05 33 13-1179 EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Replacement Rigid Galvanized Steel (RGS) Mogul Cover..... <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	154.53 2.59 5.18	8.63
26 05 33 13-1180 EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Replacement Rigid Galvanized Steel (RGS) Mogul Cover..... <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	156.99 2.96 5.92	9.86
26 05 33 13-1181 EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Replacement Rigid Galvanized Steel (RGS) Mogul Cover..... <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	272.50 3.51 7.03	11.71
26 05 33 13-1182 EA 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Replacement Rigid Galvanized Steel (RGS) Mogul Cover..... <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	278.66 4.44 8.88	14.80
26 05 33 13-1183 EA 3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Replacement Rigid Galvanized Steel (RGS) Mogul Cover..... <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	417.86 5.00 9.99	16.64
26 05 33 13-1184 EA 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Replacement Rigid Galvanized Steel (RGS) Mogul Cover..... <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	427.72 6.47 12.95	21.58
26 05 33 13-1185 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fittings <small>(26 05 33 13-0773)</small>		
26 05 33 13-1186 EA 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting..... <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	188.09 4.62 9.25	15.41
26 05 33 13-1187 EA 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting..... <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	222.52 5.73 11.47	19.11
26 05 33 13-1188 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting..... <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	263.66 7.03 14.06	23.43
26 05 33 13-1189 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting..... <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	324.24 8.14 16.28	27.13
26 05 33 13-1190 EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting..... <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	431.66 9.25 18.50	30.83
26 05 33 13-1191 EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting..... <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	594.75 10.17 20.35	33.91
26 05 33 13-1192 EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting..... <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	847.45 12.76 25.52	42.55
26 05 33 13-1193 EA 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting..... <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	1,055.43 17.39 34.78	57.96
26 05 33 13-1194 EA 3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting..... <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	1,475.56 19.61 39.22	65.35
26 05 33 13-1195 EA 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting..... <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	1,703.85 25.53 51.05	85.08
26 05 33 13-1196 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fittings With Bonding Jumper <small>(26 05 33 13-0773)</small>		
26 05 33 13-1197 EA 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting With Bonding Jumper..... <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	295.82 4.62 9.25	15.41
26 05 33 13-1198 EA 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting With Bonding Jumper..... <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	308.21 5.73 11.47	19.11

26 Electrical**26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1199 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting With Bonding Jumper.....	346.81	23.43
For Installation Above 14', Add	7.03	
For Work In Restricted Working Space, Add	14.06	
26 05 33 13-1200 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting With Bonding Jumper.....	419.26	27.13
For Installation Above 14', Add	8.14	
For Work In Restricted Working Space, Add	16.28	
26 05 33 13-1201 EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting With Bonding Jumper.....	507.52	30.83
For Installation Above 14', Add	9.25	
For Work In Restricted Working Space, Add	18.50	
26 05 33 13-1202 EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting With Bonding Jumper.....	646.97	33.91
For Installation Above 14', Add	10.17	
For Work In Restricted Working Space, Add	20.35	
26 05 33 13-1203 EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting With Bonding Jumper.....	952.66	42.55
For Installation Above 14', Add	12.76	
For Work In Restricted Working Space, Add	25.52	
26 05 33 13-1204 EA 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting With Bonding Jumper.....	1,196.02	57.96
For Installation Above 14', Add	17.39	
For Work In Restricted Working Space, Add	34.78	
26 05 33 13-1205 EA 3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting With Bonding Jumper.....	1,520.94	65.35
For Installation Above 14', Add	19.61	
For Work In Restricted Working Space, Add	39.22	
26 05 33 13-1206 EA 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting With Bonding Jumper.....	1,904.86	85.08
For Installation Above 14', Add	25.53	
For Work In Restricted Working Space, Add	51.05	
26 05 33 13-1207 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS), STG Knockout Hubs <small>(26 05 33 13-0773)</small>		
26 05 33 13-1208 EA 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STG Knockout Hub	62.91	7.40
For Installation Above 14', Add	2.22	
For Work In Restricted Working Space, Add	4.44	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.44	
26 05 33 13-1209 EA 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STG Knockout Hub	68.64	9.25
For Installation Above 14', Add	2.78	
For Work In Restricted Working Space, Add	5.55	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.55	
26 05 33 13-1210 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STG Knockout Hub	75.84	11.10
For Installation Above 14', Add	3.33	
For Work In Restricted Working Space, Add	6.66	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.66	
26 05 33 13-1211 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STG Knockout Hub	86.15	13.57
For Installation Above 14', Add	4.07	
For Work In Restricted Working Space, Add	8.14	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.14	
26 05 33 13-1212 EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STG Knockout Hub	114.89	15.41
For Installation Above 14', Add	4.62	
For Work In Restricted Working Space, Add	9.25	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.25	
26 05 33 13-1213 EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STG Knockout Hub	139.85	17.27
For Installation Above 14', Add	5.18	
For Work In Restricted Working Space, Add	10.36	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	10.36	
26 05 33 13-1214 EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STG Knockout Hub	199.10	21.58
For Installation Above 14', Add	6.47	
For Work In Restricted Working Space, Add	12.95	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.95	
26 05 33 13-1215 EA 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STG Knockout Hub	260.20	28.98
For Installation Above 14', Add	8.69	
For Work In Restricted Working Space, Add	17.39	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	17.39	
26 05 33 13-1216 EA 3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STG Knockout Hub	330.72	32.68
For Installation Above 14', Add	9.80	
For Work In Restricted Working Space, Add	19.61	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	19.61	
26 05 33 13-1217 EA 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STG Knockout Hub	416.46	42.55
For Installation Above 14', Add	12.76	
For Work In Restricted Working Space, Add	25.52	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	25.52	
26 05 33 13-1218 EA 5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STG Knockout Hub	523.49	69.05
For Installation Above 14', Add	20.72	
For Work In Restricted Working Space, Add	41.43	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	41.43	
26 05 33 13-1219 EA 6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STG Knockout Hub	789.53	104.20
For Installation Above 14', Add	31.26	
For Work In Restricted Working Space, Add	62.52	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	62.52	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1220 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS), STTB Knockout Hubs <small>(26 05 33 13-0773)</small>		
26 05 33 13-1221 EA 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTB Knockout Hub.....	93.52	7.40
For Installation Above 14', Add	2.22	
For Work In Restricted Working Space, Add	4.44	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.44	
26 05 33 13-1222 EA 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTB Knockout Hub.....	99.47	9.25
For Installation Above 14', Add	2.78	
For Work In Restricted Working Space, Add	5.55	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.55	
26 05 33 13-1223 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTB Knockout Hub.....	107.34	11.10
For Installation Above 14', Add	3.33	
For Work In Restricted Working Space, Add	6.66	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.66	
26 05 33 13-1224 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTB Knockout Hub	122.88	13.57
For Installation Above 14', Add	4.07	
For Work In Restricted Working Space, Add	8.14	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.14	
26 05 33 13-1225 EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTB Knockout Hub	132.23	15.41
For Installation Above 14', Add	4.62	
For Work In Restricted Working Space, Add	9.25	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.25	
26 05 33 13-1226 EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTB Knockout Hub.....	149.51	17.27
For Installation Above 14', Add	5.18	
For Work In Restricted Working Space, Add	10.36	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	10.36	
26 05 33 13-1227 EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTB Knockout Hub	226.21	21.58
For Installation Above 14', Add	6.47	
For Work In Restricted Working Space, Add	12.95	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.95	
26 05 33 13-1228 EA 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTB Knockout Hub.....	271.89	28.98
For Installation Above 14', Add	8.69	
For Work In Restricted Working Space, Add	17.39	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	17.39	
26 05 33 13-1229 EA 3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTB Knockout Hub	333.25	32.68
For Installation Above 14', Add	9.80	
For Work In Restricted Working Space, Add	19.61	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	19.61	
26 05 33 13-1230 EA 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTB Knockout Hub.....	432.76	42.55
For Installation Above 14', Add	12.76	
For Work In Restricted Working Space, Add	25.52	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	25.52	
26 05 33 13-1231 EA 5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTB Knockout Hub.....	674.24	69.05
For Installation Above 14', Add	20.72	
For Work In Restricted Working Space, Add	41.43	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	41.43	
26 05 33 13-1232 EA 6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTB Knockout Hub.....	1,100.18	104.20
For Installation Above 14', Add	31.26	
For Work In Restricted Working Space, Add	62.52	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	62.52	
26 05 33 13-1233 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS), STTB Knockout Hubs <small>(26 05 33 13-0773)</small>		
26 05 33 13-1234 EA 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTB Knockout Hub	100.32	7.40
For Installation Above 14', Add	2.22	
For Work In Restricted Working Space, Add	4.44	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.44	
26 05 33 13-1235 EA 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTB Knockout Hub	105.93	9.25
For Installation Above 14', Add	2.78	
For Work In Restricted Working Space, Add	5.55	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.55	
26 05 33 13-1236 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTB Knockout Hub	114.09	11.10
For Installation Above 14', Add	3.33	
For Work In Restricted Working Space, Add	6.66	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.66	
26 05 33 13-1237 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTB Knockout Hub	143.37	13.57
For Installation Above 14', Add	4.07	
For Work In Restricted Working Space, Add	8.14	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.14	
26 05 33 13-1238 EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTB Knockout Hub	156.97	15.41
For Installation Above 14', Add	4.62	
For Work In Restricted Working Space, Add	9.25	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.25	
26 05 33 13-1239 EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTB Knockout Hub	166.58	17.27
For Installation Above 14', Add	5.18	
For Work In Restricted Working Space, Add	10.36	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	10.36	
26 05 33 13-1240 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS), UNF Conduit Unions <small>(26 05 33 13-0773)</small>		

26 Electrical**26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1241	EA		1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union .....78.05 <i>For Installation Above 14', Add</i> 4.62 <i>For Work In Restricted Working Space, Add</i> 9.25		15.41
26 05 33 13-1242	EA		3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union .....86.31 <i>For Installation Above 14', Add</i> 5.73 <i>For Work In Restricted Working Space, Add</i> 11.47		19.11
26 05 33 13-1243	EA		1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union .....111.31 <i>For Installation Above 14', Add</i> 7.03 <i>For Work In Restricted Working Space, Add</i> 14.06		23.43
26 05 33 13-1244	EA		1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union .....157.99 <i>For Installation Above 14', Add</i> 8.14 <i>For Work In Restricted Working Space, Add</i> 16.28		27.13
26 05 33 13-1245	EA		1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union .....186.77 <i>For Installation Above 14', Add</i> 9.25 <i>For Work In Restricted Working Space, Add</i> 18.50		30.83
26 05 33 13-1246	EA		2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union .....234.55 <i>For Installation Above 14', Add</i> 10.17 <i>For Work In Restricted Working Space, Add</i> 20.35		33.91
26 05 33 13-1247	EA		2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union .....310.81 <i>For Installation Above 14', Add</i> 12.76 <i>For Work In Restricted Working Space, Add</i> 25.52		42.55
26 05 33 13-1248	EA		3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union .....396.28 <i>For Installation Above 14', Add</i> 12.76 <i>For Work In Restricted Working Space, Add</i> 25.52		42.55
26 05 33 13-1249	EA		3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union .....516.74 <i>For Installation Above 14', Add</i> 19.61 <i>For Work In Restricted Working Space, Add</i> 39.22		65.35
26 05 33 13-1250	EA		4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union .....665.84 <i>For Installation Above 14', Add</i> 25.53 <i>For Work In Restricted Working Space, Add</i> 51.05		85.08
26 05 33 13-1251	EA		5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union .....1,203.91 <i>For Installation Above 14', Add</i> 41.62 <i>For Work In Restricted Working Space, Add</i> 83.24		138.72
26 05 33 13-1252	EA		6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union .....1,520.20 <i>For Installation Above 14', Add</i> 62.52 <i>For Work In Restricted Working Space, Add</i> 125.04		208.40
26 05 33 13-1253			Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS), UNY Conduit Unions <small>(26 05 33 13-0773)</small>		
26 05 33 13-1254	EA		1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union .....79.64 <i>For Installation Above 14', Add</i> 4.62 <i>For Work In Restricted Working Space, Add</i> 9.25		15.41
26 05 33 13-1255	EA		3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union .....92.38 <i>For Installation Above 14', Add</i> 5.73 <i>For Work In Restricted Working Space, Add</i> 11.47		19.11
26 05 33 13-1256	EA		1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union .....114.55 <i>For Installation Above 14', Add</i> 7.03 <i>For Work In Restricted Working Space, Add</i> 14.06		23.43
26 05 33 13-1257	EA		1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union .....163.93 <i>For Installation Above 14', Add</i> 8.14 <i>For Work In Restricted Working Space, Add</i> 16.28		27.13
26 05 33 13-1258	EA		1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union .....195.02 <i>For Installation Above 14', Add</i> 9.25 <i>For Work In Restricted Working Space, Add</i> 18.50		30.83
26 05 33 13-1259	EA		2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union .....252.37 <i>For Installation Above 14', Add</i> 10.17 <i>For Work In Restricted Working Space, Add</i> 20.35		33.91
26 05 33 13-1260	EA		2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union .....348.94 <i>For Installation Above 14', Add</i> 12.76 <i>For Work In Restricted Working Space, Add</i> 25.52		42.55
26 05 33 13-1261	EA		3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union .....435.05 <i>For Installation Above 14', Add</i> 12.76 <i>For Work In Restricted Working Space, Add</i> 25.52		42.55
26 05 33 13-1262	EA		3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union .....586.83 <i>For Installation Above 14', Add</i> 19.61 <i>For Work In Restricted Working Space, Add</i> 39.22		65.35
26 05 33 13-1263	EA		4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union .....735.67 <i>For Installation Above 14', Add</i> 25.53 <i>For Work In Restricted Working Space, Add</i> 51.05		85.08
26 05 33 13-1264	EA		5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union .....1,331.91 <i>For Installation Above 14', Add</i> 41.62 <i>For Work In Restricted Working Space, Add</i> 83.24		138.72
26 05 33 13-1265	EA		6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union .....1,726.89 <i>For Installation Above 14', Add</i> 62.52 <i>For Work In Restricted Working Space, Add</i> 125.04		208.40
26 05 33 13-1266			Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS), Reducing Couplings <small>(26 05 33 13-0773)</small>		
26 05 33 13-1267	EA		3/4" x 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling .....41.80 <i>For Installation Above 14', Add</i> 1.48 <i>For Work In Restricted Working Space, Add</i> 2.96		4.93



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1268 EA 1" x 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling.....	46.20	6.16
<i>For Installation Above 14', Add</i>	1.85	
<i>For Work In Restricted Working Space, Add</i>	3.70	
26 05 33 13-1269 EA 1" x 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling.....	52.17	6.16
<i>For Installation Above 14', Add</i>	1.85	
<i>For Work In Restricted Working Space, Add</i>	3.70	
26 05 33 13-1270 EA 1-1/4" x 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling.....	64.10	6.78
<i>For Installation Above 14', Add</i>	2.04	
<i>For Work In Restricted Working Space, Add</i>	4.07	
26 05 33 13-1271 EA 1-1/4" x 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling.....	67.54	6.78
<i>For Installation Above 14', Add</i>	2.04	
<i>For Work In Restricted Working Space, Add</i>	4.07	
26 05 33 13-1272 EA 1-1/2" x 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling.....	58.97	8.02
<i>For Installation Above 14', Add</i>	2.40	
<i>For Work In Restricted Working Space, Add</i>	4.81	
26 05 33 13-1273 EA 1-1/2" x 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling.....	66.65	8.02
<i>For Installation Above 14', Add</i>	2.40	
<i>For Work In Restricted Working Space, Add</i>	4.81	
26 05 33 13-1274 EA 1-1/2" x 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling	101.21	8.02
<i>For Installation Above 14', Add</i>	2.40	
<i>For Work In Restricted Working Space, Add</i>	4.81	
26 05 33 13-1275 EA 2" x 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling.....	112.66	9.25
<i>For Installation Above 14', Add</i>	2.78	
<i>For Work In Restricted Working Space, Add</i>	5.55	
26 05 33 13-1276 EA 2" x 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling.....	109.68	9.25
<i>For Installation Above 14', Add</i>	2.78	
<i>For Work In Restricted Working Space, Add</i>	5.55	
26 05 33 13-1277 EA 2" x 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling.....	115.22	9.25
<i>For Installation Above 14', Add</i>	2.78	
<i>For Work In Restricted Working Space, Add</i>	5.55	
26 05 33 13-1278 EA 2" x 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling.....	129.16	9.25
<i>For Installation Above 14', Add</i>	2.78	
<i>For Work In Restricted Working Space, Add</i>	5.55	
26 05 33 13-1279 EA 2-1/2" x 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling	129.11	11.10
<i>For Installation Above 14', Add</i>	3.33	
<i>For Work In Restricted Working Space, Add</i>	6.66	
26 05 33 13-1280 EA 3" x 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling.....	165.18	15.41
<i>For Installation Above 14', Add</i>	4.62	
<i>For Work In Restricted Working Space, Add</i>	9.25	
26 05 33 13-1281 EA 3-1/2" x 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling	241.11	17.88
<i>For Installation Above 14', Add</i>	5.36	
<i>For Work In Restricted Working Space, Add</i>	10.73	
26 05 33 13-1282 EA 4" x 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling.....	322.92	24.66
<i>For Installation Above 14', Add</i>	7.40	
<i>For Work In Restricted Working Space, Add</i>	14.80	
26 05 33 13-1283 EA 5" x 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling.....	405.15	33.91
<i>For Installation Above 14', Add</i>	10.17	
<i>For Work In Restricted Working Space, Add</i>	20.35	
26 05 33 13-1284 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS), Nipples <small>(26 05 33 13-0773)</small>		
26 05 33 13-1285 EA 1/2" x 2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	28.19	7.40
<i>For Installation Above 14', Add</i>	2.22	
<i>For Work In Restricted Working Space, Add</i>	4.44	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.44	
26 05 33 13-1286 EA 3/4" x 2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	32.15	9.25
<i>For Installation Above 14', Add</i>	2.78	
<i>For Work In Restricted Working Space, Add</i>	5.55	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.55	
26 05 33 13-1287 EA 1" x 2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	37.83	11.71
<i>For Installation Above 14', Add</i>	3.51	
<i>For Work In Restricted Working Space, Add</i>	7.03	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.03	
26 05 33 13-1288 EA 1-1/4" x 2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	44.84	13.57
<i>For Installation Above 14', Add</i>	4.07	
<i>For Work In Restricted Working Space, Add</i>	8.14	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.14	
26 05 33 13-1289 EA 1-1/2" x 2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	49.12	15.41
<i>For Installation Above 14', Add</i>	4.62	
<i>For Work In Restricted Working Space, Add</i>	9.25	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.25	
26 05 33 13-1290 EA 1/2" x 2-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	31.14	8.02
<i>For Installation Above 14', Add</i>	2.40	
<i>For Work In Restricted Working Space, Add</i>	4.81	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.81	
26 05 33 13-1291 EA 3/4" x 2-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	33.98	9.25
<i>For Installation Above 14', Add</i>	2.78	
<i>For Work In Restricted Working Space, Add</i>	5.55	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.55	

26 Electrical**26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1292	EA		1" x 2-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	39.68	11.71
			<i>For Installation Above 14', Add</i>	3.51	
			<i>For Work In Restricted Working Space, Add</i>	7.03	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.03	
26 05 33 13-1293	EA		1-1/4" x 2-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	46.80	13.57
			<i>For Installation Above 14', Add</i>	4.07	
			<i>For Work In Restricted Working Space, Add</i>	8.14	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.14	
26 05 33 13-1294	EA		1-1/2" x 2-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	51.23	15.41
			<i>For Installation Above 14', Add</i>	4.62	
			<i>For Work In Restricted Working Space, Add</i>	9.25	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.25	
26 05 33 13-1295	EA		2" x 2-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	55.84	17.27
			<i>For Installation Above 14', Add</i>	5.18	
			<i>For Work In Restricted Working Space, Add</i>	10.36	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.36	
26 05 33 13-1296	EA		1/2" x 3" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	31.27	8.02
			<i>For Installation Above 14', Add</i>	2.40	
			<i>For Work In Restricted Working Space, Add</i>	4.81	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.81	
26 05 33 13-1297	EA		3/4" x 3" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	34.10	9.25
			<i>For Installation Above 14', Add</i>	2.78	
			<i>For Work In Restricted Working Space, Add</i>	5.55	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.55	
26 05 33 13-1298	EA		1" x 3" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	39.91	11.71
			<i>For Installation Above 14', Add</i>	3.51	
			<i>For Work In Restricted Working Space, Add</i>	7.03	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.03	
26 05 33 13-1299	EA		1-1/4" x 3" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	47.05	13.57
			<i>For Installation Above 14', Add</i>	4.07	
			<i>For Work In Restricted Working Space, Add</i>	8.14	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.14	
26 05 33 13-1300	EA		1-1/2" x 3" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	51.47	15.41
			<i>For Installation Above 14', Add</i>	4.62	
			<i>For Work In Restricted Working Space, Add</i>	9.25	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.25	
26 05 33 13-1301	EA		2" x 3" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	56.49	17.27
			<i>For Installation Above 14', Add</i>	5.18	
			<i>For Work In Restricted Working Space, Add</i>	10.36	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.36	
26 05 33 13-1302	EA		1/2" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	33.01	8.02
			<i>For Installation Above 14', Add</i>	2.40	
			<i>For Work In Restricted Working Space, Add</i>	4.81	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.81	
26 05 33 13-1303	EA		3/4" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	35.84	9.25
			<i>For Installation Above 14', Add</i>	2.78	
			<i>For Work In Restricted Working Space, Add</i>	5.55	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.55	
26 05 33 13-1304	EA		1" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	41.78	11.71
			<i>For Installation Above 14', Add</i>	3.51	
			<i>For Work In Restricted Working Space, Add</i>	7.03	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.03	
26 05 33 13-1305	EA		1-1/4" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	48.11	13.57
			<i>For Installation Above 14', Add</i>	4.07	
			<i>For Work In Restricted Working Space, Add</i>	8.14	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.14	
26 05 33 13-1306	EA		1-1/2" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	52.64	15.41
			<i>For Installation Above 14', Add</i>	4.62	
			<i>For Work In Restricted Working Space, Add</i>	9.25	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.25	
26 05 33 13-1307	EA		2" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	58.54	17.27
			<i>For Installation Above 14', Add</i>	5.18	
			<i>For Work In Restricted Working Space, Add</i>	10.36	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.36	
26 05 33 13-1308	EA		2-1/2" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	80.05	20.96
			<i>For Installation Above 14', Add</i>	6.29	
			<i>For Work In Restricted Working Space, Add</i>	12.58	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.58	
26 05 33 13-1309	EA		3" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	104.60	28.98
			<i>For Installation Above 14', Add</i>	8.69	
			<i>For Work In Restricted Working Space, Add</i>	17.39	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17.39	
26 05 33 13-1310	EA		1/2" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	33.13	8.02
			<i>For Installation Above 14', Add</i>	2.40	
			<i>For Work In Restricted Working Space, Add</i>	4.81	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.81	
26 05 33 13-1311	EA		3/4" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	36.08	9.25
			<i>For Installation Above 14', Add</i>	2.78	
			<i>For Work In Restricted Working Space, Add</i>	5.55	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.55	
26 05 33 13-1312	EA		1" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	42.04	11.71
			<i>For Installation Above 14', Add</i>	3.51	
			<i>For Work In Restricted Working Space, Add</i>	7.03	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.03	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1313 EA 1-1/4" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	49.17	13.57
<i>For Installation Above 14', Add</i>	4.07	
<i>For Work In Restricted Working Space, Add</i>	8.14	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.14	
26 05 33 13-1314 EA 1-1/2" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	53.82	15.41
<i>For Installation Above 14', Add</i>	4.62	
<i>For Work In Restricted Working Space, Add</i>	9.25	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.25	
26 05 33 13-1315 EA 2" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	60.59	17.27
<i>For Installation Above 14', Add</i>	5.18	
<i>For Work In Restricted Working Space, Add</i>	10.36	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.36	
26 05 33 13-1316 EA 2-1/2" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	81.87	20.96
<i>For Installation Above 14', Add</i>	6.29	
<i>For Work In Restricted Working Space, Add</i>	12.58	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.58	
26 05 33 13-1317 EA 3" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	108.50	28.98
<i>For Installation Above 14', Add</i>	8.69	
<i>For Work In Restricted Working Space, Add</i>	17.39	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17.39	
26 05 33 13-1318 EA 3-1/2" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	128.39	32.68
<i>For Installation Above 14', Add</i>	9.80	
<i>For Work In Restricted Working Space, Add</i>	19.61	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	19.61	
26 05 33 13-1319 EA 4" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	152.53	42.55
<i>For Installation Above 14', Add</i>	12.76	
<i>For Work In Restricted Working Space, Add</i>	25.52	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	25.52	
26 05 33 13-1320 EA 1/2" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	33.37	8.02
<i>For Installation Above 14', Add</i>	2.40	
<i>For Work In Restricted Working Space, Add</i>	4.81	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.81	
26 05 33 13-1321 EA 3/4" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	36.34	9.25
<i>For Installation Above 14', Add</i>	2.78	
<i>For Work In Restricted Working Space, Add</i>	5.55	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.55	
26 05 33 13-1322 EA 1" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	42.31	11.71
<i>For Installation Above 14', Add</i>	3.51	
<i>For Work In Restricted Working Space, Add</i>	7.03	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.03	
26 05 33 13-1323 EA 1-1/4" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	49.67	13.57
<i>For Installation Above 14', Add</i>	4.07	
<i>For Work In Restricted Working Space, Add</i>	8.14	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.14	
26 05 33 13-1324 EA 1-1/2" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	54.33	15.41
<i>For Installation Above 14', Add</i>	4.62	
<i>For Work In Restricted Working Space, Add</i>	9.25	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.25	
26 05 33 13-1325 EA 2" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	61.71	17.27
<i>For Installation Above 14', Add</i>	5.18	
<i>For Work In Restricted Working Space, Add</i>	10.36	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.36	
26 05 33 13-1326 EA 2-1/2" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	89.07	20.96
<i>For Installation Above 14', Add</i>	6.29	
<i>For Work In Restricted Working Space, Add</i>	12.58	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.58	
26 05 33 13-1327 EA 3" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	114.33	28.98
<i>For Installation Above 14', Add</i>	8.69	
<i>For Work In Restricted Working Space, Add</i>	17.39	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17.39	
26 05 33 13-1328 EA 3-1/2" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	129.64	32.68
<i>For Installation Above 14', Add</i>	9.80	
<i>For Work In Restricted Working Space, Add</i>	19.61	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	19.61	
26 05 33 13-1329 EA 4" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	155.86	42.55
<i>For Installation Above 14', Add</i>	12.76	
<i>For Work In Restricted Working Space, Add</i>	25.52	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	25.52	
26 05 33 13-1330 EA 5" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	227.23	58.57
<i>For Installation Above 14', Add</i>	17.57	
<i>For Work In Restricted Working Space, Add</i>	35.14	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	35.14	
26 05 33 13-1331 EA 1/2" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	33.83	8.02
<i>For Installation Above 14', Add</i>	2.40	
<i>For Work In Restricted Working Space, Add</i>	4.81	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.81	
26 05 33 13-1332 EA 3/4" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	36.79	9.25
<i>For Installation Above 14', Add</i>	2.78	
<i>For Work In Restricted Working Space, Add</i>	5.55	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.55	
26 05 33 13-1333 EA 1" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	42.80	11.71
<i>For Installation Above 14', Add</i>	3.51	
<i>For Work In Restricted Working Space, Add</i>	7.03	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.03	

26 Electrical

26 05 Common Work Results For Electrical

26 05 33 Raceway And Boxes For Electrical Systems



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33	13-1334	EA	1-1/4" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	50.58	13.57
			<i>For Installation Above 14', Add</i>	4.07	
			<i>For Work In Restricted Working Space, Add</i>	8.14	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.14	
26 05 33	13-1335	EA	1-1/2" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	55.43	15.41
			<i>For Installation Above 14', Add</i>	4.62	
			<i>For Work In Restricted Working Space, Add</i>	9.25	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.25	
26 05 33	13-1336	EA	2" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	62.82	17.27
			<i>For Installation Above 14', Add</i>	5.18	
			<i>For Work In Restricted Working Space, Add</i>	10.36	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.36	
26 05 33	13-1337	EA	2-1/2" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	96.39	20.96
			<i>For Installation Above 14', Add</i>	6.29	
			<i>For Work In Restricted Working Space, Add</i>	12.58	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.58	
26 05 33	13-1338	EA	3" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	122.09	28.98
			<i>For Installation Above 14', Add</i>	8.69	
			<i>For Work In Restricted Working Space, Add</i>	17.39	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17.39	
26 05 33	13-1339	EA	3-1/2" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	136.62	32.68
			<i>For Installation Above 14', Add</i>	9.80	
			<i>For Work In Restricted Working Space, Add</i>	19.61	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	19.61	
26 05 33	13-1340	EA	4" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	167.64	42.55
			<i>For Installation Above 14', Add</i>	12.76	
			<i>For Work In Restricted Working Space, Add</i>	25.52	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	25.52	
26 05 33	13-1341	EA	5" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	244.85	58.57
			<i>For Installation Above 14', Add</i>	17.57	
			<i>For Work In Restricted Working Space, Add</i>	35.14	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	35.14	
26 05 33	13-1342	EA	1/2" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	34.54	8.02
			<i>For Installation Above 14', Add</i>	2.40	
			<i>For Work In Restricted Working Space, Add</i>	4.81	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.81	
26 05 33	13-1343	EA	3/4" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	37.49	9.25
			<i>For Installation Above 14', Add</i>	2.78	
			<i>For Work In Restricted Working Space, Add</i>	5.55	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.55	
26 05 33	13-1344	EA	1" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	43.90	11.71
			<i>For Installation Above 14', Add</i>	3.51	
			<i>For Work In Restricted Working Space, Add</i>	7.03	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.03	
26 05 33	13-1345	EA	1-1/4" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	50.82	13.57
			<i>For Installation Above 14', Add</i>	4.07	
			<i>For Work In Restricted Working Space, Add</i>	8.14	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.14	
26 05 33	13-1346	EA	1-1/2" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	57.66	15.41
			<i>For Installation Above 14', Add</i>	4.62	
			<i>For Work In Restricted Working Space, Add</i>	9.25	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.25	
26 05 33	13-1347	EA	2" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	68.27	17.27
			<i>For Installation Above 14', Add</i>	5.18	
			<i>For Work In Restricted Working Space, Add</i>	10.36	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.36	
26 05 33	13-1348	EA	2-1/2" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	105.39	20.96
			<i>For Installation Above 14', Add</i>	6.29	
			<i>For Work In Restricted Working Space, Add</i>	12.58	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.58	
26 05 33	13-1349	EA	3" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	132.70	28.98
			<i>For Installation Above 14', Add</i>	8.69	
			<i>For Work In Restricted Working Space, Add</i>	17.39	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17.39	
26 05 33	13-1350	EA	3-1/2" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	154.11	32.68
			<i>For Installation Above 14', Add</i>	9.80	
			<i>For Work In Restricted Working Space, Add</i>	19.61	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	19.61	
26 05 33	13-1351	EA	4" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	185.33	42.55
			<i>For Installation Above 14', Add</i>	12.76	
			<i>For Work In Restricted Working Space, Add</i>	25.52	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	25.52	
26 05 33	13-1352	EA	5" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	256.93	58.57
			<i>For Installation Above 14', Add</i>	17.57	
			<i>For Work In Restricted Working Space, Add</i>	35.14	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	35.14	
26 05 33	13-1353	EA	1/2" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	35.29	8.02
			<i>For Installation Above 14', Add</i>	2.40	
			<i>For Work In Restricted Working Space, Add</i>	4.81	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.81	
26 05 33	13-1354	EA	3/4" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	38.22	9.25
			<i>For Installation Above 14', Add</i>	2.78	
			<i>For Work In Restricted Working Space, Add</i>	5.55	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.55	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1355 EA 1" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple..... <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	44.98 3.51 7.03 7.03	11.71
26 05 33 13-1356 EA 1-1/4" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple..... <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	54.11 4.07 8.14 8.14	13.57
26 05 33 13-1357 EA 1-1/2" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple..... <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	62.96 4.62 9.25 9.25	15.41
26 05 33 13-1358 EA 2" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple..... <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	76.29 5.18 10.36 10.36	17.27
26 05 33 13-1359 EA 2-1/2" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple..... <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	114.91 6.29 12.58 12.58	20.96
26 05 33 13-1360 EA 3" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple..... <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	146.29 8.69 17.39 17.39	28.98
26 05 33 13-1361 EA 3-1/2" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple..... <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	172.48 9.80 19.61 19.61	32.68
26 05 33 13-1362 EA 4" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple..... <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	216.29 12.76 25.52 25.52	42.55
26 05 33 13-1363 EA 5" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple..... <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	281.02 17.57 35.14 35.14	58.57
26 05 33 13-1364 EA 1/2" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple..... <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	36.06 2.40 4.81 4.81	8.02
26 05 33 13-1365 EA 3/4" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple..... <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	39.08 2.78 5.55 5.55	9.25
26 05 33 13-1366 EA 1" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple..... <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	47.72 3.51 7.03 7.03	11.71
26 05 33 13-1367 EA 1-1/4" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple..... <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	59.53 4.07 8.14 8.14	13.57
26 05 33 13-1368 EA 1-1/2" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple..... <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	69.38 4.62 9.25 9.25	15.41
26 05 33 13-1369 EA 2" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple..... <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	82.72 5.18 10.36 10.36	17.27
26 05 33 13-1370 EA 2-1/2" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple..... <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	127.60 6.29 12.58 12.58	20.96
26 05 33 13-1371 EA 3" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple..... <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	166.67 8.69 17.39 17.39	28.98
26 05 33 13-1372 EA 3-1/2" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple..... <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	183.75 9.80 19.61 19.61	32.68
26 05 33 13-1373 EA 4" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple..... <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	225.78 12.76 25.52 25.52	42.55
26 05 33 13-1374 EA 5" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple..... <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	284.46 17.57 35.14 35.14	58.57

26 05 33 13-1375 Aluminum Conduit (26 05 33 13-0041)
 Note: Exposed installation, branch and feeder conduit. Excludes supporting strap, hanger and fastening.

26 Electrical**26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33	13-1376		Aluminum Conduit With Threaded Coupling (26 05 33 13-1375) Note: Includes field bend conduit up to 1".		
26 05 33	13-1377	LF	1/2" Aluminum Conduit With Threaded Coupling.....5.77 <i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i> 0.71 <i>For Work In Restricted Working Space, Add</i> 1.42	5.77	1.89
26 05 33	13-1378	LF	3/4" Aluminum Conduit With Threaded Coupling.....6.60 <i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i> 0.78 <i>For Work In Restricted Working Space, Add</i> 1.57	6.60	2.08
26 05 33	13-1379	LF	1" Aluminum Conduit With Threaded Coupling.....7.65 <i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i> 0.85 <i>For Work In Restricted Working Space, Add</i> 1.71	7.65	2.27
26 05 33	13-1380	LF	1-1/4" Aluminum Conduit With Threaded Coupling.....8.73 <i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i> 0.92 <i>For Work In Restricted Working Space, Add</i> 1.85	8.73	2.47
26 05 33	13-1381	LF	1-1/2" Aluminum Conduit With Threaded Coupling.....9.83 <i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i> 1.00 <i>For Work In Restricted Working Space, Add</i> 1.99	9.83	2.66
26 05 33	13-1382	LF	2" Aluminum Conduit With Threaded Coupling.....11.86 <i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i> 1.14 <i>For Work In Restricted Working Space, Add</i> 2.28	11.86	3.04
26 05 33	13-1383	LF	2-1/2" Aluminum Conduit With Threaded Coupling.....16.23 <i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i> 1.42 <i>For Work In Restricted Working Space, Add</i> 2.85	16.23	3.80
26 05 33	13-1384	LF	3" Aluminum Conduit With Threaded Coupling.....20.24 <i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i> 1.71 <i>For Work In Restricted Working Space, Add</i> 3.41	20.24	4.55
26 05 33	13-1385	LF	3-1/2" Aluminum Conduit With Threaded Coupling.....24.86 <i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i> 2.13 <i>For Work In Restricted Working Space, Add</i> 4.27	24.86	5.69
26 05 33	13-1386	LF	4" Aluminum Conduit With Threaded Coupling.....30.62 <i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i> 2.70 <i>For Work In Restricted Working Space, Add</i> 5.41	30.62	7.20
26 05 33	13-1387	LF	5" Aluminum Conduit With Threaded Coupling.....40.79 <i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i> 3.42 <i>For Work In Restricted Working Space, Add</i> 6.83	40.79	9.11
26 05 33	13-1388	LF	6" Aluminum Conduit With Threaded Coupling.....52.18 <i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i> 4.27 <i>For Work In Restricted Working Space, Add</i> 8.54	52.18	11.38
26 05 33	13-1389		Aluminum 90 Degree Elbows (26 05 33 13-1375)		
26 05 33	13-1390	EA	1" Aluminum 90 Degree Elbow .....35.64 <i>For Work In Restricted Working Space, Add</i> 7.40	35.64	9.86
26 05 33	13-1391	EA	1-1/4" Aluminum 90 Degree Elbow .....45.43 <i>For Work In Restricted Working Space, Add</i> 8.40	45.43	11.19
26 05 33	13-1392	EA	1-1/2" Aluminum 90 Degree Elbow .....55.47 <i>For Work In Restricted Working Space, Add</i> 9.68	55.47	12.90
26 05 33	13-1393	EA	2" Aluminum 90 Degree Elbow .....71.17 <i>For Work In Restricted Working Space, Add</i> 11.10	71.17	14.80
26 05 33	13-1394	EA	2-1/2" Aluminum 90 Degree Elbow .....102.63 <i>For Work In Restricted Working Space, Add</i> 13.52	102.63	18.03
26 05 33	13-1395	EA	3" Aluminum 90 Degree Elbow .....147.28 <i>For Work In Restricted Working Space, Add</i> 17.50	147.28	23.34
26 05 33	13-1396	EA	3-1/2" Aluminum 90 Degree Elbow .....204.17 <i>For Work In Restricted Working Space, Add</i> 19.64	204.17	26.18
26 05 33	13-1397	EA	4" Aluminum 90 Degree Elbow .....246.53 <i>For Work In Restricted Working Space, Add</i> 24.62	246.53	32.82
26 05 33	13-1398	EA	5" Aluminum 90 Degree Elbow .....620.07 <i>For Work In Restricted Working Space, Add</i> 40.12	620.07	53.50
26 05 33	13-1399	EA	6" Aluminum 90 Degree Elbow .....873.97 <i>For Work In Restricted Working Space, Add</i> 60.33	873.97	80.44
26 05 33	13-1400		Aluminum Bushing Set With Locknut (26 05 33 13-1375)		
26 05 33	13-1401	EA	1/2" Aluminum Bushing Set With Locknut.....10.32 <i>For Work In Restricted Working Space, Add</i> 2.85 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 2.85	10.32	3.80
26 05 33	13-1402	EA	3/4" Aluminum Bushing Set With Locknut.....15.70 <i>For Work In Restricted Working Space, Add</i> 3.70 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 3.70	15.70	4.93
26 05 33	13-1403	EA	1" Aluminum Bushing Set With Locknut.....15.72 <i>For Work In Restricted Working Space, Add</i> 4.55 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 4.55	15.72	6.07
26 05 33	13-1404	EA	1-1/4" Aluminum Bushing Set With Locknut.....17.68 <i>For Work In Restricted Working Space, Add</i> 5.12 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 5.12	17.68	6.83
26 05 33	13-1405	EA	1-1/2" Aluminum Bushing Set With Locknut.....21.64 <i>For Work In Restricted Working Space, Add</i> 6.26 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 6.26	21.64	8.35
26 05 33	13-1406	EA	2" Aluminum Bushing Set With Locknut.....26.42 <i>For Work In Restricted Working Space, Add</i> 7.54 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 7.54	26.42	10.05



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1407 EA 2-1/2" Aluminum Bushing Set With Locknut	32.48	11.95
For Work In Restricted Working Space, Add	8.96	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.96	
26 05 33 13-1408 EA 3" Aluminum Bushing Set With Locknut.....	38.00	13.66
For Work In Restricted Working Space, Add	10.25	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	10.25	
26 05 33 13-1409 EA 3-1/2" Aluminum Bushing Set With Locknut	41.10	14.80
For Work In Restricted Working Space, Add	11.10	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	11.10	
26 05 33 13-1410 EA 4" Aluminum Bushing Set With Locknut.....	44.76	15.93
For Work In Restricted Working Space, Add	11.95	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	11.95	
26 05 33 13-1411 EA 5" Aluminum Bushing Set With Locknut.....	59.28	21.24
For Work In Restricted Working Space, Add	15.94	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	15.94	
26 05 33 13-1412 EA 6" Aluminum Bushing Set With Locknut.....	88.14	31.88
For Work In Restricted Working Space, Add	23.90	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	23.90	
26 05 33 13-1413 Schedule 40 Polyvinyl Chloride (PVC) Conduit <small>(26 05 33 13-0041)</small>		
Note: Exposed installation, branch and feeder conduit. Excludes supporting strap, hanger and fastening.		
26 05 33 13-1414 Schedule 40 Polyvinyl Chloride (PVC) Conduit With Glued Couplings <small>(26 05 33 13-1413)</small>		
Note: Includes field bend conduit up to 1".		
26 05 33 13-1415 LF 1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Glued Couplings.....	3.75	1.43
For Schedule 60, Add	0.22	
For Schedule 80, Add	0.42	
26 05 33 13-1416 LF 3/4" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Glued Couplings.....	4.16	1.57
For Schedule 60, Add	0.25	
For Schedule 80, Add	0.47	
26 05 33 13-1417 LF 1" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Glued Couplings.....	4.92	1.84
For Schedule 60, Add	0.31	
For Schedule 80, Add	0.57	
26 05 33 13-1418 LF 1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Glued Couplings	5.68	2.10
For Schedule 60, Add	0.37	
For Schedule 80, Add	0.68	
26 05 33 13-1419 LF 1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Glued Couplings	6.65	2.45
For Schedule 60, Add	0.44	
For Schedule 80, Add	0.80	
26 05 33 13-1420 LF 2" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Glued Couplings.....	7.68	2.80
For Schedule 60, Add	0.52	
For Schedule 80, Add	0.94	
26 05 33 13-1421 LF 2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Glued Couplings	9.40	3.32
For Schedule 60, Add	0.69	
For Schedule 80, Add	1.21	
26 05 33 13-1422 LF 3" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Glued Couplings.....	10.93	3.86
For Schedule 60, Add	0.81	
For Schedule 80, Add	1.42	
26 05 33 13-1423 LF 3-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Glued Couplings	13.04	4.56
For Schedule 60, Add	0.98	
For Schedule 80, Add	1.72	
26 05 33 13-1424 LF 4" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Glued Couplings.....	15.83	5.60
For Schedule 60, Add	1.16	
For Schedule 80, Add	2.04	
26 05 33 13-1425 LF 5" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Glued Couplings.....	22.34	7.88
For Schedule 60, Add	1.65	
For Schedule 80, Add	2.89	
26 05 33 13-1426 LF 6" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Glued Couplings.....	29.75	10.50
For Schedule 60, Add	2.19	
For Schedule 80, Add	3.85	
26 05 33 13-1427 Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbows <small>(26 05 33 13-1413)</small>		
See CSI section 26 05 33 13-2193 for conduit field bending.		
26 05 33 13-1428 EA 1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow.....	18.12	7.00
See CSI section 26 05 33 13-2193 for conduit field bending.		
For Schedule 60, Add	1.03	
For Schedule 80, Add	1.97	
26 05 33 13-1429 EA 3/4" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow.....	19.96	7.70
See CSI section 26 05 33 13-2193 for conduit field bending.		
For Schedule 60, Add	1.14	
For Schedule 80, Add	2.17	
26 05 33 13-1430 EA 1" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow.....	23.01	8.75
See CSI section 26 05 33 13-2193 for conduit field bending.		
For Schedule 60, Add	1.38	
For Schedule 80, Add	2.58	
26 05 33 13-1431 EA 1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow.....	29.65	11.21
See CSI section 26 05 33 13-2193 for conduit field bending.		
For Schedule 60, Add	1.81	
For Schedule 80, Add	3.38	
26 05 33 13-1432 EA 1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow.....	37.23	14.01
See CSI section 26 05 33 13-2193 for conduit field bending.		
For Schedule 60, Add	2.31	
For Schedule 80, Add	4.28	

26 Electrical**26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1433	EA		2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow..... See CSI section 26 05 33 13-2193 for conduit field bending.	46.73	17.50
			<i>For Schedule 60, Add</i>	2.93	
			<i>For Schedule 80, Add</i>	5.41	
26 05 33 13-1434	EA		2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow..... See CSI section 26 05 33 13-2193 for conduit field bending.	58.07	21.01
			<i>For Schedule 60, Add</i>	4.01	
			<i>For Schedule 80, Add</i>	7.19	
26 05 33 13-1435	EA		3" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow..... See CSI section 26 05 33 13-2193 for conduit field bending.	70.61	24.51
			<i>For Schedule 60, Add</i>	5.40	
			<i>For Schedule 80, Add</i>	9.39	
26 05 33 13-1436	EA		3-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow..... See CSI section 26 05 33 13-2193 for conduit field bending.	87.53	29.76
			<i>For Schedule 60, Add</i>	7.00	
			<i>For Schedule 80, Add</i>	12.03	
26 05 33 13-1437	EA		4" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow..... See CSI section 26 05 33 13-2193 for conduit field bending.	104.44	35.01
			<i>For Schedule 60, Add</i>	8.60	
			<i>For Schedule 80, Add</i>	14.67	
26 05 33 13-1438	EA		5" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow..... See CSI section 26 05 33 13-2193 for conduit field bending.	138.65	43.77
			<i>For Schedule 60, Add</i>	12.78	
			<i>For Schedule 80, Add</i>	21.17	
26 05 33 13-1439	EA		6" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow..... See CSI section 26 05 33 13-2193 for conduit field bending.	168.61	52.52
			<i>For Schedule 60, Add</i>	15.89	
			<i>For Schedule 80, Add</i>	26.19	
26 05 33 13-1440			Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbows <small>(26 05 33 13-1413)</small> See CSI section 26 05 33 13-2193 for conduit field bending.		
26 05 33 13-1441	EA		1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow..... See CSI section 26 05 33 13-2193 for conduit field bending.	17.99	7.00
			<i>For Schedule 60, Add</i>	1.00	
			<i>For Schedule 80, Add</i>	1.92	
26 05 33 13-1442	EA		3/4" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow..... See CSI section 26 05 33 13-2193 for conduit field bending.	19.92	7.70
			<i>For Schedule 60, Add</i>	1.13	
			<i>For Schedule 80, Add</i>	2.16	
26 05 33 13-1443	EA		1" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow..... See CSI section 26 05 33 13-2193 for conduit field bending.	22.94	8.75
			<i>For Schedule 60, Add</i>	1.36	
			<i>For Schedule 80, Add</i>	2.56	
26 05 33 13-1444	EA		1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow..... See CSI section 26 05 33 13-2193 for conduit field bending.	29.45	11.21
			<i>For Schedule 60, Add</i>	1.76	
			<i>For Schedule 80, Add</i>	3.31	
26 05 33 13-1445	EA		1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow..... See CSI section 26 05 33 13-2193 for conduit field bending.	36.79	14.01
			<i>For Schedule 60, Add</i>	2.20	
			<i>For Schedule 80, Add</i>	4.12	
26 05 33 13-1446	EA		2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow..... See CSI section 26 05 33 13-2193 for conduit field bending.	46.49	17.50
			<i>For Schedule 60, Add</i>	2.87	
			<i>For Schedule 80, Add</i>	5.33	
26 05 33 13-1447	EA		2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow..... See CSI section 26 05 33 13-2193 for conduit field bending.	57.62	21.01
			<i>For Schedule 60, Add</i>	3.90	
			<i>For Schedule 80, Add</i>	7.04	
26 05 33 13-1448	EA		3" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow..... See CSI section 26 05 33 13-2193 for conduit field bending.	70.05	24.51
			<i>For Schedule 60, Add</i>	5.26	
			<i>For Schedule 80, Add</i>	9.20	
26 05 33 13-1449	EA		3-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow..... See CSI section 26 05 33 13-2193 for conduit field bending.	85.96	29.76
			<i>For Schedule 60, Add</i>	6.61	
			<i>For Schedule 80, Add</i>	11.48	
26 05 33 13-1450	EA		4" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow..... See CSI section 26 05 33 13-2193 for conduit field bending.	103.08	35.01
			<i>For Schedule 60, Add</i>	8.26	
			<i>For Schedule 80, Add</i>	14.20	
26 05 33 13-1451	EA		5" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow..... See CSI section 26 05 33 13-2193 for conduit field bending.	136.89	43.77
			<i>For Schedule 60, Add</i>	12.34	
			<i>For Schedule 80, Add</i>	20.55	
26 05 33 13-1452	EA		6" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow..... See CSI section 26 05 33 13-2193 for conduit field bending.	163.39	52.52
			<i>For Schedule 60, Add</i>	14.59	
			<i>For Schedule 80, Add</i>	24.36	
26 05 33 13-1453			Polyvinyl Chloride (PVC) Conduit Adapters <small>(26 05 33 13-1413)</small>		
26 05 33 13-1454	EA		1/2" Polyvinyl Chloride (PVC) Conduit Adapter..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.54	4.91
				3.68	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1455 EA 3/4" Polyvinyl Chloride (PVC) Conduit Adapter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.38 4.20	5.60
26 05 33 13-1456 EA 1" Polyvinyl Chloride (PVC) Conduit Adapter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16.26 4.73	6.30
26 05 33 13-1457 EA 1-1/4" Polyvinyl Chloride (PVC) Conduit Adapter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18.20 5.25	7.00
26 05 33 13-1458 EA 1-1/2" Polyvinyl Chloride (PVC) Conduit Adapter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	22.62 6.56	8.75
26 05 33 13-1459 EA 2" Polyvinyl Chloride (PVC) Conduit Adapter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	27.26 7.88	10.50
26 05 33 13-1460 EA 2-1/2" Polyvinyl Chloride (PVC) Conduit Adapter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	37.04 10.50	14.01
26 05 33 13-1461 EA 3" Polyvinyl Chloride (PVC) Conduit Adapter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	46.59 13.13	17.50
26 05 33 13-1462 EA 3-1/2" Polyvinyl Chloride (PVC) Conduit Adapter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	60.51 17.07	22.76
26 05 33 13-1463 EA 4" Polyvinyl Chloride (PVC) Conduit Adapter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	73.73 21.01	28.01
26 05 33 13-1464 EA 5" Polyvinyl Chloride (PVC) Conduit Adapter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	94.82 26.26	35.01
26 05 33 13-1465 EA 6" Polyvinyl Chloride (PVC) Conduit Adapter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	118.18 32.83	43.77
26 05 33 13-1466 Polyvinyl Chloride (PVC) Conduit Bell Ends And Plug <small>(26 05 33 13-1413)</small>		
26 05 33 13-1467 EA 1/2" Polyvinyl Chloride (PVC) Conduit Bell End And Plug <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.99 3.15	4.21
26 05 33 13-1468 EA 3/4" Polyvinyl Chloride (PVC) Conduit Bell End And Plug <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.88 3.68	4.91
26 05 33 13-1469 EA 1" Polyvinyl Chloride (PVC) Conduit Bell End And Plug <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16.79 4.20	5.60
26 05 33 13-1470 EA 1-1/4" Polyvinyl Chloride (PVC) Conduit Bell End And Plug <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	19.57 4.73	6.30
26 05 33 13-1471 EA 1-1/2" Polyvinyl Chloride (PVC) Conduit Bell End And Plug <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	21.74 5.25	7.00
26 05 33 13-1472 EA 2" Polyvinyl Chloride (PVC) Conduit Bell End And Plug <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	25.58 6.04	8.05
26 05 33 13-1473 EA 2-1/2" Polyvinyl Chloride (PVC) Conduit Bell End And Plug <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	28.72 6.83	9.10
26 05 33 13-1474 EA 3" Polyvinyl Chloride (PVC) Conduit Bell End And Plug <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	32.71 7.88	10.50
26 05 33 13-1475 EA 3-1/2" Polyvinyl Chloride (PVC) Conduit Bell End And Plug <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	38.56 9.19	12.26
26 05 33 13-1476 EA 4" Polyvinyl Chloride (PVC) Conduit Bell End And Plug <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	42.94 10.50	14.01
26 05 33 13-1477 EA 5" Polyvinyl Chloride (PVC) Conduit Bell End And Plug <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	51.23 11.82	15.75
26 05 33 13-1478 EA 6" Polyvinyl Chloride (PVC) Conduit Bell End And Plug <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	57.11 13.13	17.50
26 05 33 13-1479 Polyvinyl Chloride (PVC) Conduit Terminal Adapters <small>(26 05 33 13-1413)</small>		
26 05 33 13-1480 EA 1/2" Polyvinyl Chloride (PVC) Conduit Terminal Adapter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.70 4.04	
26 05 33 13-1481 EA 3/4" Polyvinyl Chloride (PVC) Conduit Terminal Adapter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16.51 4.84	
26 05 33 13-1482 EA 1" Polyvinyl Chloride (PVC) Conduit Terminal Adapter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18.37 5.38	
26 05 33 13-1483 EA 1-1/4" Polyvinyl Chloride (PVC) Conduit Terminal Adapter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20.55 5.99	
26 05 33 13-1484 Type LB, LR Or LL, Two Hub Polyvinyl Chloride (PVC) Conduit Body With Cover <small>(26 05 33 13-1413)</small>		
26 05 33 13-1485 EA 1/2" Type LB, LR Or LL, Two Hub Polyvinyl Chloride (PVC) Conduit Body With Cover <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	37.86 10.50	14.01
26 05 33 13-1486 EA 3/4" Type LB, LR Or LL, Two Hub Polyvinyl Chloride (PVC) Conduit Body With Cover <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	43.42 11.82	15.75
26 05 33 13-1487 EA 1" Type LB, LR Or LL, Two Hub Polyvinyl Chloride (PVC) Conduit Body With Cover <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	48.19 13.13	17.50
26 05 33 13-1488 EA 1-1/4" Type LB, LR Or LL, Two Hub Polyvinyl Chloride (PVC) Conduit Body With Cover <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	58.84 15.76	21.01
26 05 33 13-1489 EA 1-1/2" Type LB, LR Or LL, Two Hub Polyvinyl Chloride (PVC) Conduit Body With Cover <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	73.01 19.70	26.26
26 05 33 13-1490 EA 2" Type LB, LR Or LL, Two Hub Polyvinyl Chloride (PVC) Conduit Body With Cover <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	91.83 23.63	31.51
26 05 33 13-1491 EA 2-1/2" Type LB, LR Or LL, Two Hub Polyvinyl Chloride (PVC) Conduit Body With Cover <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	137.76 26.26	35.01
26 05 33 13-1492 EA 3" Type LB, LR Or LL, Two Hub Polyvinyl Chloride (PVC) Conduit Body With Cover <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	148.21 28.89	38.51
26 05 33 13-1493 EA 3-1/2" Type LB, LR Or LL, Two Hub Polyvinyl Chloride (PVC) Conduit Body With Cover <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	163.00 32.83	43.77

26 Electrical**26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1494 EA 4" Type LB, LR Or LL, Two Hub Polyvinyl Chloride (PVC) Conduit Body With Cover <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	183.87 38.08	50.77
26 05 33 13-1495 Type T, Three Hub Polyvinyl Chloride (PVC) Conduit Body With Cover <small>(26 05 33 13-1413)</small>		
26 05 33 13-1496 EA 1/2" Type T, Three Hub Polyvinyl Chloride (PVC) Conduit Body With Cover <i>For Schedule 60, Add</i> <i>For Schedule 80, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	51.22 3.32 6.07 14.23	18.97
26 05 33 13-1497 EA 3/4" Type T, Three Hub Polyvinyl Chloride (PVC) Conduit Body With Cover <i>For Schedule 60, Add</i> <i>For Schedule 80, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	56.87 3.78 6.86 15.65	20.87
26 05 33 13-1498 EA 1" Type T, Three Hub Polyvinyl Chloride (PVC) Conduit Body With Cover <i>For Schedule 60, Add</i> <i>For Schedule 80, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	61.68 4.04 7.36 17.08	22.77
26 05 33 13-1499 EA 1-1/4" Type T, Three Hub Polyvinyl Chloride (PVC) Conduit Body With Cover <i>For Schedule 60, Add</i> <i>For Schedule 80, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	75.08 5.49 9.68 19.92	26.56
26 05 33 13-1500 EA 1-1/2" Type T, Three Hub Polyvinyl Chloride (PVC) Conduit Body With Cover <i>For Schedule 60, Add</i> <i>For Schedule 80, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	90.83 6.58 11.63 24.19	32.26
26 05 33 13-1501 EA 2" Type T, Three Hub Polyvinyl Chloride (PVC) Conduit Body With Cover <i>For Schedule 60, Add</i> <i>For Schedule 80, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	109.63 8.44 14.66 28.46	37.94
26 05 33 13-1502 Polyvinyl Chloride (PVC) Conduit Expansion Joint <small>(26 05 33 13-1413)</small>		
26 05 33 13-1503 EA 1/2" Polyvinyl Chloride (PVC) Conduit Expansion Joint.....	68.62	17.50
26 05 33 13-1504 EA 3/4" Polyvinyl Chloride (PVC) Conduit Expansion Joint.....	77.95	21.01
26 05 33 13-1505 EA 1" Polyvinyl Chloride (PVC) Conduit Expansion Joint.....	87.68	24.51
26 05 33 13-1506 EA 1-1/4" Polyvinyl Chloride (PVC) Conduit Expansion Joint.....	97.01	28.01
26 05 33 13-1507 EA 1-1/2" Polyvinyl Chloride (PVC) Conduit Expansion Joint.....	106.17	31.51
26 05 33 13-1508 EA 2" Polyvinyl Chloride (PVC) Conduit Expansion Joint.....	116.38	35.01
26 05 33 13-1509 EA 2-1/2" Polyvinyl Chloride (PVC) Conduit Expansion Joint.....	139.77	40.27
26 05 33 13-1510 EA 3" Polyvinyl Chloride (PVC) Conduit Expansion Joint.....	164.64	45.51
26 05 33 13-1511 EA 3-1/2" Polyvinyl Chloride (PVC) Conduit Expansion Joint.....	191.93	52.52
26 05 33 13-1512 EA 4" Polyvinyl Chloride (PVC) Conduit Expansion Joint.....	227.02	61.28
26 05 33 13-1513 EA 5" Polyvinyl Chloride (PVC) Conduit Expansion Joint.....	291.38	73.53
26 05 33 13-1514 EA 6" Polyvinyl Chloride (PVC) Conduit Expansion Joint.....	381.04	94.54
26 05 33 13-1515 Polyvinyl Chloride (PVC) Conduit End Caps <small>(26 05 33 13-1413)</small>		
26 05 33 13-1516 EA 1/2" Polyvinyl Chloride (PVC) Conduit End Cap <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.03 2.63	3.50
26 05 33 13-1517 EA 3/4" Polyvinyl Chloride (PVC) Conduit End Cap <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.90 3.15	4.21
26 05 33 13-1518 EA 1" Polyvinyl Chloride (PVC) Conduit End Cap <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.76 3.68	4.91
26 05 33 13-1519 EA 1-1/4" Polyvinyl Chloride (PVC) Conduit End Cap <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16.17 4.20	5.60
26 05 33 13-1520 EA 1-1/2" Polyvinyl Chloride (PVC) Conduit End Cap <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18.59 4.73	6.30
26 05 33 13-1521 EA 2" Polyvinyl Chloride (PVC) Conduit End Cap <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	21.42 5.25	7.00
26 05 33 13-1522 EA 2-1/2" Polyvinyl Chloride (PVC) Conduit End Cap <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	28.68 6.04	8.05
26 05 33 13-1523 EA 3" Polyvinyl Chloride (PVC) Conduit End Cap <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	31.69 6.83	9.10
26 05 33 13-1524 EA 3-1/2" Polyvinyl Chloride (PVC) Conduit End Cap <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	39.03 7.62	10.15
26 05 33 13-1525 EA 4" Polyvinyl Chloride (PVC) Conduit End Cap <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	45.74 8.14	10.86
26 05 33 13-1526 EA 5" Polyvinyl Chloride (PVC) Conduit End Cap <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	52.23 9.19	12.26
26 05 33 13-1527 EA 6" Polyvinyl Chloride (PVC) Conduit End Cap <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	64.56 10.50	14.01
26 05 33 13-1528 Polyvinyl Chloride (PVC) Type LB Telecommunications Conduit Bodies With Cover (Smart Pathways) <small>(26 05 33 13-1413)</small>		
26 05 33 13-1529 EA 2" Polyvinyl Chloride (PVC) Type LB Telecommunications Conduit Body With Cover (Smart Pathways EZLB200)..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	97.12 23.63	31.51
26 05 33 13-1530 EA 3/4" To 1-1/4" Polyvinyl Chloride (PVC) Type LB Telecommunications Conduit Body With Cover (Smart Pathways KBLB121) <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	90.46 15.76	21.01



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1531 EA 1-1/2" To 2-1/2" Polyvinyl Chloride (PVC) Type LB Telecommunications Conduit Body With Cover (Smart Pathways KBLB251).....	203.87	35.01
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	26.26	
26 05 33 13-1532 EA 3" To 4" Polyvinyl Chloride (PVC) Type LB Telecommunications Conduit Body With Cover (Smart Pathways KBLB401).....	380.22	50.77
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	38.08	
26 05 33 13-1533 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit <small>(26 05 33 13-0041)</small>		
Note: Exposed installation. Excludes supporting strap, hanger and fastening.		
26 05 33 13-1534 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit <small>(26 05 33 13-1533)</small>		
26 05 33 13-1535 LF 1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit	5.21	1.43
26 05 33 13-1536 LF 3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit	5.77	1.57
26 05 33 13-1537 LF 1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit	6.53	1.82
26 05 33 13-1538 LF 1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit	7.29	2.10
26 05 33 13-1539 LF 1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit	8.33	2.45
26 05 33 13-1540 LF 2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit	9.26	2.80
26 05 33 13-1541 LF 2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit	11.02	3.32
26 05 33 13-1542 LF 3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit	12.88	3.86
26 05 33 13-1543 LF 3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit	15.04	4.56
26 05 33 13-1544 LF 4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit	18.07	5.60
26 05 33 13-1545 LF 5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit	24.78	7.88
26 05 33 13-1546 LF 6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit	32.61	10.50
26 05 33 13-1547 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbows, 12" Large Radius Elbows <small>(26 05 33 13-1533)</small>		
26 05 33 13-1548 EA 1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows	47.50	7.00
For 24" Radius, Add	3.13	
For 36" Radius, Add	4.75	
For 48" Radius, Add	6.38	
26 05 33 13-1549 EA 3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows	52.85	7.70
For 24" Radius, Add	3.48	
For 36" Radius, Add	5.29	
For 48" Radius, Add	7.09	
26 05 33 13-1550 EA 1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows	55.81	8.75
For 24" Radius, Add	3.64	
For 36" Radius, Add	5.58	
For 48" Radius, Add	7.52	
26 05 33 13-1551 EA 1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows	62.27	11.21
For 24" Radius, Add	3.97	
For 36" Radius, Add	6.23	
For 48" Radius, Add	8.48	
26 05 33 13-1552 EA 1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows	69.61	14.01
For 24" Radius, Add	4.35	
For 36" Radius, Add	6.96	
For 48" Radius, Add	9.58	
26 05 33 13-1553 EA 2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows	83.14	17.50
For 24" Radius, Add	5.14	
For 36" Radius, Add	8.31	
For 48" Radius, Add	11.49	
26 05 33 13-1554 EA 2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows	99.64	21.01
For 24" Radius, Add	6.16	
For 36" Radius, Add	9.96	
For 48" Radius, Add	13.77	
26 05 33 13-1555 EA 3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows	117.83	24.51
For 24" Radius, Add	7.31	
For 36" Radius, Add	11.78	
For 48" Radius, Add	16.26	
26 05 33 13-1556 EA 3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows	138.03	29.76
For 24" Radius, Add	8.49	
For 36" Radius, Add	13.80	
For 48" Radius, Add	19.11	
26 05 33 13-1557 EA 4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows	158.21	35.01
For 24" Radius, Add	9.68	
For 36" Radius, Add	15.82	
For 48" Radius, Add	21.96	
26 05 33 13-1558 EA 5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows	197.79	43.77
For 24" Radius, Add	12.10	
For 36" Radius, Add	19.78	
For 48" Radius, Add	27.46	
26 05 33 13-1559 EA 6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows	241.75	52.52
For 24" Radius, Add	14.85	
For 36" Radius, Add	24.18	
For 48" Radius, Add	33.50	
26 05 33 13-1560 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 45 Degree Elbows, 12" Large Radius Elbows <small>(26 05 33 13-1533)</small>		

26 Electrical**26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1561	EA		1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 45 Degree Elbow, 12" Large Radius Elbows .....42.10	42.10	7.00
			<i>For 24" Radius, Add</i>	2.72	
			<i>For 36" Radius, Add</i>	4.21	
			<i>For 48" Radius, Add</i>	5.70	
26 05 33 13-1562	EA		3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 45 Degree Elbow, 12" Large Radius Elbows .....46.80	46.80	7.70
			<i>For 24" Radius, Add</i>	3.03	
			<i>For 36" Radius, Add</i>	4.68	
			<i>For 48" Radius, Add</i>	6.33	
26 05 33 13-1563	EA		1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 45 Degree Elbow, 12" Large Radius Elbows .....49.70	49.70	8.75
			<i>For 24" Radius, Add</i>	3.18	
			<i>For 36" Radius, Add</i>	4.97	
			<i>For 48" Radius, Add</i>	6.76	
26 05 33 13-1564	EA		1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 45 Degree Elbow, 12" Large Radius Elbows .....56.10	56.10	11.21
			<i>For 24" Radius, Add</i>	3.51	
			<i>For 36" Radius, Add</i>	5.61	
			<i>For 48" Radius, Add</i>	7.71	
26 05 33 13-1565	EA		1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 45 Degree Elbow, 12" Large Radius Elbows .....63.38	63.38	14.01
			<i>For 24" Radius, Add</i>	3.88	
			<i>For 36" Radius, Add</i>	6.34	
			<i>For 48" Radius, Add</i>	8.80	
26 05 33 13-1566	EA		2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 45 Degree Elbow, 12" Large Radius Elbows .....76.05	76.05	17.50
			<i>For 24" Radius, Add</i>	4.61	
			<i>For 36" Radius, Add</i>	7.61	
			<i>For 48" Radius, Add</i>	10.60	
26 05 33 13-1567	EA		2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 45 Degree Elbow, 12" Large Radius Elbows .....91.16	91.16	21.01
			<i>For 24" Radius, Add</i>	5.52	
			<i>For 36" Radius, Add</i>	9.12	
			<i>For 48" Radius, Add</i>	12.71	
26 05 33 13-1568	EA		3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 45 Degree Elbow, 12" Large Radius Elbows .....107.65	107.65	24.51
			<i>For 24" Radius, Add</i>	6.54	
			<i>For 36" Radius, Add</i>	10.77	
			<i>For 48" Radius, Add</i>	14.99	
26 05 33 13-1569	EA		3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 45 Degree Elbow, 12" Large Radius Elbows .....126.58	126.58	29.76
			<i>For 24" Radius, Add</i>	7.63	
			<i>For 36" Radius, Add</i>	12.66	
			<i>For 48" Radius, Add</i>	17.68	
26 05 33 13-1570	EA		4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 45 Degree Elbow, 12" Large Radius Elbows .....145.49	145.49	35.01
			<i>For 24" Radius, Add</i>	8.72	
			<i>For 36" Radius, Add</i>	14.55	
			<i>For 48" Radius, Add</i>	20.37	
26 05 33 13-1571	EA		5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 45 Degree Elbow, 12" Large Radius Elbows .....181.88	181.88	43.77
			<i>For 24" Radius, Add</i>	10.91	
			<i>For 36" Radius, Add</i>	18.19	
			<i>For 48" Radius, Add</i>	25.47	
26 05 33 13-1572	EA		6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 45 Degree Elbow, 12" Large Radius Elbows .....221.87	221.87	52.52
			<i>For 24" Radius, Add</i>	13.36	
			<i>For 36" Radius, Add</i>	22.19	
			<i>For 48" Radius, Add</i>	31.02	

26 05 33 13-1573 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 30 Degree Elbows, 12" Large Radius Elbows (26 05 33 13-1533)

26 05 33 13-1574	EA		1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 30 Degree Elbow, 12" Large Radius Elbows .....38.85	38.85	6.30
			<i>For 24" Radius, Add</i>	2.52	
			<i>For 36" Radius, Add</i>	3.89	
			<i>For 48" Radius, Add</i>	5.25	
26 05 33 13-1575	EA		3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 30 Degree Elbow, 12" Large Radius Elbows .....43.19	43.19	6.93
			<i>For 24" Radius, Add</i>	2.81	
			<i>For 36" Radius, Add</i>	4.32	
			<i>For 48" Radius, Add</i>	5.83	
26 05 33 13-1576	EA		1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 30 Degree Elbow, 12" Large Radius Elbows .....45.83	45.83	7.88
			<i>For 24" Radius, Add</i>	2.94	
			<i>For 36" Radius, Add</i>	4.58	
			<i>For 48" Radius, Add</i>	6.22	
26 05 33 13-1577	EA		1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 30 Degree Elbow, 12" Large Radius Elbows .....51.59	51.59	10.08
			<i>For 24" Radius, Add</i>	3.24	
			<i>For 36" Radius, Add</i>	5.16	
			<i>For 48" Radius, Add</i>	7.08	
26 05 33 13-1578	EA		1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 30 Degree Elbow, 12" Large Radius Elbows .....58.15	58.15	12.61
			<i>For 24" Radius, Add</i>	3.57	
			<i>For 36" Radius, Add</i>	5.82	
			<i>For 48" Radius, Add</i>	8.06	
26 05 33 13-1579	EA		2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 30 Degree Elbow, 12" Large Radius Elbows .....69.72	69.72	15.75
			<i>For 24" Radius, Add</i>	4.24	
			<i>For 36" Radius, Add</i>	6.97	
			<i>For 48" Radius, Add</i>	9.70	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1580 EA 2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 30 Degree Elbow, 12" Large Radius Elbows.....	83.55	18.91
<i>For 24" Radius, Add</i>	5.08	
<i>For 36" Radius, Add</i>	8.36	
<i>For 48" Radius, Add</i>	11.63	
26 05 33 13-1581 EA 3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 30 Degree Elbow, 12" Large Radius Elbows.....	98.69	22.06
<i>For 24" Radius, Add</i>	6.02	
<i>For 36" Radius, Add</i>	9.87	
<i>For 48" Radius, Add</i>	13.72	
26 05 33 13-1582 EA 3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 30 Degree Elbow, 12" Large Radius Elbows.....	115.94	26.79
<i>For 24" Radius, Add</i>	7.02	
<i>For 36" Radius, Add</i>	11.59	
<i>For 48" Radius, Add</i>	16.17	
26 05 33 13-1583 EA 4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 30 Degree Elbow, 12" Large Radius Elbows.....	133.21	31.51
<i>For 24" Radius, Add</i>	8.02	
<i>For 36" Radius, Add</i>	13.32	
<i>For 48" Radius, Add</i>	18.62	
26 05 33 13-1584 EA 5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 30 Degree Elbow, 12" Large Radius Elbows.....	166.51	39.40
<i>For 24" Radius, Add</i>	10.03	
<i>For 36" Radius, Add</i>	16.65	
<i>For 48" Radius, Add</i>	23.28	
26 05 33 13-1585 EA 6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 30 Degree Elbow, 12" Large Radius Elbows.....	203.22	47.27
<i>For 24" Radius, Add</i>	12.29	
<i>For 36" Radius, Add</i>	20.32	
<i>For 48" Radius, Add</i>	28.36	
26 05 33 13-1586 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 22-1/2 Degree Elbows, 12" Large Radius Elbows <small>(26 05 33 13-1533)</small>		
26 05 33 13-1587 EA 1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 22-1/2 Degree Elbow, 12" Large Radius Elbows.....	37.35	6.30
<i>For 24" Radius, Add</i>	2.41	
<i>For 36" Radius, Add</i>	3.74	
<i>For 48" Radius, Add</i>	5.06	
26 05 33 13-1588 EA 3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 22-1/2 Degree Elbow, 12" Large Radius Elbows.....	41.51	6.93
<i>For 24" Radius, Add</i>	2.68	
<i>For 36" Radius, Add</i>	4.15	
<i>For 48" Radius, Add</i>	5.62	
26 05 33 13-1589 EA 1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 22-1/2 Degree Elbow, 12" Large Radius Elbows.....	44.13	7.88
<i>For 24" Radius, Add</i>	2.82	
<i>For 36" Radius, Add</i>	4.41	
<i>For 48" Radius, Add</i>	6.01	
26 05 33 13-1590 EA 1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 22-1/2 Degree Elbow, 12" Large Radius Elbows.....	49.88	10.08
<i>For 24" Radius, Add</i>	3.11	
<i>For 36" Radius, Add</i>	4.99	
<i>For 48" Radius, Add</i>	6.87	
26 05 33 13-1591 EA 1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 22-1/2 Degree Elbow, 12" Large Radius Elbows.....	56.42	12.61
<i>For 24" Radius, Add</i>	3.44	
<i>For 36" Radius, Add</i>	5.64	
<i>For 48" Radius, Add</i>	7.84	
26 05 33 13-1592 EA 2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 22-1/2 Degree Elbow, 12" Large Radius Elbows.....	67.75	15.75
<i>For 24" Radius, Add</i>	4.10	
<i>For 36" Radius, Add</i>	6.78	
<i>For 48" Radius, Add</i>	9.45	
26 05 33 13-1593 EA 2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 22-1/2 Degree Elbow, 12" Large Radius Elbows.....	81.20	18.91
<i>For 24" Radius, Add</i>	4.91	
<i>For 36" Radius, Add</i>	8.12	
<i>For 48" Radius, Add</i>	11.33	
26 05 33 13-1594 EA 3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 22-1/2 Degree Elbow, 12" Large Radius Elbows.....	95.86	22.06
<i>For 24" Radius, Add</i>	5.81	
<i>For 36" Radius, Add</i>	9.59	
<i>For 48" Radius, Add</i>	13.36	
26 05 33 13-1595 EA 3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 22-1/2 Degree Elbow, 12" Large Radius Elbows.....	112.76	26.79
<i>For 24" Radius, Add</i>	6.78	
<i>For 36" Radius, Add</i>	11.28	
<i>For 48" Radius, Add</i>	15.77	
26 05 33 13-1596 EA 4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 22-1/2 Degree Elbow, 12" Large Radius Elbows.....	129.67	31.51
<i>For 24" Radius, Add</i>	7.76	
<i>For 36" Radius, Add</i>	12.97	
<i>For 48" Radius, Add</i>	18.18	
26 05 33 13-1597 EA 5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 22-1/2 Degree Elbow, 12" Large Radius Elbows.....	162.10	39.40
<i>For 24" Radius, Add</i>	9.70	
<i>For 36" Radius, Add</i>	16.21	
<i>For 48" Radius, Add</i>	22.72	

26 Electrical**26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1598 EA 6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 22-1/2 Degree Elbow, 12" Large Radius Elbows	197.70	47.27
For 24" Radius, Add	11.87	
For 36" Radius, Add	19.77	
For 48" Radius, Add	27.67	
26 05 33 13-1599 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Couplings (26 05 33 13-1533)		
26 05 33 13-1600 EA 1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling	24.68	4.91
26 05 33 13-1601 EA 3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling	27.85	5.60
26 05 33 13-1602 EA 1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling	29.73	6.30
26 05 33 13-1603 EA 1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling	31.60	7.00
26 05 33 13-1604 EA 1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling	36.26	8.75
26 05 33 13-1605 EA 2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling	43.39	10.50
26 05 33 13-1606 EA 2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling	55.63	14.01
26 05 33 13-1607 EA 3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling	68.51	17.50
26 05 33 13-1608 EA 3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling	84.73	22.76
26 05 33 13-1609 EA 4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling	100.96	28.01
26 05 33 13-1610 EA 5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling	126.18	35.01
26 05 33 13-1611 EA 6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling	157.73	43.77
26 05 33 13-1612 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Couplings (26 05 33 13-1533)		
26 05 33 13-1613 EA 1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling	19.27	4.91
26 05 33 13-1614 EA 3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling	21.80	5.60
26 05 33 13-1615 EA 1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling	23.62	6.30
26 05 33 13-1616 EA 1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling	25.45	7.00
26 05 33 13-1617 EA 1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling	29.91	8.75
26 05 33 13-1618 EA 2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling	34.34	10.50
26 05 33 13-1619 EA 2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling	44.71	14.01
26 05 33 13-1620 EA 3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling	55.41	17.50
26 05 33 13-1621 EA 3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling	69.99	22.76
26 05 33 13-1622 EA 4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling	84.58	28.01
26 05 33 13-1623 EA 5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling	105.73	35.01
26 05 33 13-1624 EA 6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling	132.17	43.77
26 05 33 13-1625 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Couplings (26 05 33 13-1533)		
26 05 33 13-1626 EA 1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling	20.97	4.03
26 05 33 13-1627 EA 3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling	23.69	5.60
26 05 33 13-1628 EA 1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling	25.54	6.30
26 05 33 13-1629 EA 1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling	27.35	7.00
26 05 33 13-1630 EA 1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling	31.95	8.75
26 05 33 13-1631 EA 2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling	38.25	10.50
26 05 33 13-1632 EA 2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling	49.39	14.01
26 05 33 13-1633 EA 3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling	61.03	17.50
26 05 33 13-1634 EA 3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling	76.31	22.76
26 05 33 13-1635 EA 4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling	91.60	28.01
26 05 33 13-1636 EA 5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling	114.48	35.01
26 05 33 13-1637 EA 6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling	143.13	43.77
26 05 33 13-1638 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joints (26 05 33 13-1533)		
26 05 33 13-1639 EA 1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint	53.37	17.50
26 05 33 13-1640 EA 3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint	63.17	21.01
26 05 33 13-1641 EA 1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint	72.05	24.51
26 05 33 13-1642 EA 1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint	80.87	28.01
26 05 33 13-1643 EA 1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint	89.87	31.51
26 05 33 13-1644 EA 2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint	100.72	35.01
26 05 33 13-1645 EA 2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint	116.49	40.27
26 05 33 13-1646 EA 3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint	132.80	45.51
26 05 33 13-1647 EA 3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint	152.69	52.52
26 05 33 13-1648 EA 4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint	176.94	61.28
26 05 33 13-1649 EA 5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint	204.76	70.03
26 05 33 13-1650 EA 6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint	234.07	78.78
26 05 33 13-1651 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joints (26 05 33 13-1533)		
26 05 33 13-1652 EA 1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint	57.27	17.50
26 05 33 13-1653 EA 3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint	67.54	21.01
26 05 33 13-1654 EA 1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint	76.44	24.51
26 05 33 13-1655 EA 1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint	85.31	28.01
26 05 33 13-1656 EA 1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint	94.34	31.51
26 05 33 13-1657 EA 2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint	105.84	35.01



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1658 EA 2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint.....	122.63	40.27
26 05 33 13-1659 EA 3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint.....	140.17	45.51
26 05 33 13-1660 EA 3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint.....	160.97	52.52
26 05 33 13-1661 EA 4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint.....	186.15	61.28
26 05 33 13-1662 EA 5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint.....	216.30	70.03
26 05 33 13-1663 EA 6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint.....	248.50	78.78
26 05 33 13-1664 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapters		
<small>(26 05 33 13-1533)</small>		
26 05 33 13-1665 EA 1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter.....	44.36	4.91
26 05 33 13-1666 EA 3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter.....	49.67	5.60
26 05 33 13-1667 EA 1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter.....	52.51	6.30
26 05 33 13-1668 EA 1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter.....	55.40	7.00
26 05 33 13-1669 EA 1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter.....	60.37	8.75
26 05 33 13-1670 EA 2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter.....	68.41	10.50
26 05 33 13-1671 EA 2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter.....	85.60	14.01
26 05 33 13-1672 EA 3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter.....	104.44	17.50
26 05 33 13-1673 EA 3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter.....	125.16	22.76
26 05 33 13-1674 EA 4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter.....	145.87	28.01
26 05 33 13-1675 EA 5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter.....	182.36	35.01
26 05 33 13-1676 EA 6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter.....	227.24	43.77
26 05 33 13-1677 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joints		
<small>(26 05 33 13-1533)</small>		
26 05 33 13-1678 EA 1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint.....	64.05	17.50
26 05 33 13-1679 EA 3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint.....	75.06	21.01
26 05 33 13-1680 EA 1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint.....	89.12	24.51
26 05 33 13-1681 EA 1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint.....	107.57	28.01
26 05 33 13-1682 EA 1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint.....	130.24	31.51
26 05 33 13-1683 EA 2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint.....	163.79	35.01
26 05 33 13-1684 EA 2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint.....	220.66	40.27
26 05 33 13-1685 EA 3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint.....	262.60	45.51
26 05 33 13-1686 EA 3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint.....	314.31	52.52
26 05 33 13-1687 EA 4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint.....	370.39	61.28
26 05 33 13-1688 EA 5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint.....	433.07	70.03
26 05 33 13-1689 EA 6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint.....	634.96	78.78
26 05 33 13-1690 Type LB, LR Or LL, Two Hub Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Body And Cover		
<small>(26 05 33 13-1533)</small>		
26 05 33 13-1691 EA 1/2" Type LB, LR Or LL, Two Hub Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Body And Cover.....	52.96	14.01
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.50	
26 05 33 13-1692 EA 3/4" Type LB, LR Or LL, Two Hub Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Body And Cover.....	60.81	15.75
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.82	
26 05 33 13-1693 EA 1" Type LB, LR Or LL, Two Hub Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Body And Cover.....	76.41	17.50
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.13	
26 05 33 13-1694 EA 1-1/4" Type LB, LR Or LL, Two Hub Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Body And Cover.....	92.84	21.01
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15.76	
26 05 33 13-1695 EA 1-1/2" Type LB, LR Or LL, Two Hub Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Body And Cover.....	117.49	26.26
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	19.70	
26 05 33 13-1696 EA 2" Type LB, LR Or LL, Two Hub Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Body And Cover.....	155.58	31.51
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	23.63	
26 05 33 13-1697 EA 2-1/2" Type LB, LR Or LL, Two Hub Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Body And Cover.....	235.91	36.76
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	27.57	
26 05 33 13-1698 EA 3" Type LB, LR Or LL, Two Hub Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Body And Cover.....	297.04	42.02
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	31.51	
26 05 33 13-1699 EA 3-1/2" Type LB, LR Or LL, Two Hub Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Body And Cover.....	355.35	49.02
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	36.77	
26 05 33 13-1700 EA 4" Type LB, LR Or LL, Two Hub Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Body And Cover.....	413.66	56.02
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	42.02	
26 05 33 13-1701 EA 5" Type LB, LR Or LL, Two Hub Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Body And Cover.....	483.96	63.03
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	47.27	
26 05 33 13-1702 EA 6" Type LB, LR Or LL, Two Hub Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Body And Cover.....	547.07	70.03
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	52.52	
26 05 33 13-1703 Explosion Proof Conduit Fittings		
<small>(26 05 33 13-0041)</small>		
<i>Note: For use with Rigid Galvanized Steel (RGS), Electrical Metallic Tubing (EMT) and Intermediate Metal Conduit (IMC) conduit.</i>		

26 Electrical
26 05 Common Work Results For Electrical
26 05 33 Raceway And Boxes For Electrical Systems



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1704 Explosion Proof Malleable Iron Conduit Unions <small>(26 05 33 13-1703)</small>		
26 05 33 13-1705 EA 1/2" Explosion Proof Malleable Iron Conduit Union	32.63	7.89
26 05 33 13-1706 EA 3/4" Explosion Proof Malleable Iron Conduit Union	39.56	8.73
26 05 33 13-1707 EA 1" Explosion Proof Malleable Iron Conduit Union	61.29	11.64
26 05 33 13-1708 EA 1-1/4" Explosion Proof Malleable Iron Conduit Union	79.46	12.88
26 05 33 13-1709 EA 1-1/2" Explosion Proof Malleable Iron Conduit Union	99.70	15.79
26 05 33 13-1710 EA 2" Explosion Proof Malleable Iron Conduit Union	123.28	18.29
26 05 33 13-1711 EA 2-1/2" Explosion Proof Malleable Iron Conduit Union	186.52	26.15
26 05 33 13-1712 EA 3" Explosion Proof Malleable Iron Conduit Union	235.66	31.13
26 05 33 13-1713 EA 3-1/2" Explosion Proof Malleable Iron Conduit Union	385.81	37.36
26 05 33 13-1714 EA 4" Explosion Proof Malleable Iron Conduit Union	414.59	47.73
26 05 33 13-1715 Explosion Proof Malleable Iron Conduit Bodies <small>(26 05 33 13-1703)</small>		
26 05 33 13-1716 EA 1/2" Explosion Proof Malleable Iron Two Hub Conduit Body	113.54	24.94
26 05 33 13-1717 EA 3/4" Explosion Proof Malleable Iron Two Hub Conduit Body	128.07	28.26
26 05 33 13-1718 EA 1" Explosion Proof Malleable Iron Two Hub Conduit Body	148.72	31.17
26 05 33 13-1719 EA 1/2" Explosion Proof Malleable Iron Three Hub Conduit Body	130.09	31.17
26 05 33 13-1720 EA 3/4" Explosion Proof Malleable Iron Three Hub Conduit Body	155.17	37.41
26 05 33 13-1721 EA 1" Explosion Proof Malleable Iron Three Hub Conduit Body	182.67	42.80
26 05 33 13-1722 Explosion Proof Malleable Iron Conduit Sealing Fitting, Horizontal/Vertical <small>(26 05 33 13-1703)</small>		
Note: Includes sealing gasket and lock nut.		
26 05 33 13-1723 EA 1/2" x 1" Explosion Proof Malleable Iron Conduit Sealing Fitting, Horizontal/Vertical	94.00	20.77
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	15.58	
26 05 33 13-1724 EA 3/4" x 1" Explosion Proof Malleable Iron Conduit Sealing Fitting, Horizontal/Vertical	97.39	23.27
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	17.45	
26 05 33 13-1725 EA 1" x 1-1/2" Explosion Proof Malleable Iron Conduit Sealing Fitting, Horizontal/Vertical	106.28	25.35
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	19.01	
26 05 33 13-1726 EA 1-1/4" x 2" Explosion Proof Malleable Iron Conduit Sealing Fitting, Horizontal/Vertical	135.67	31.17
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	23.38	
26 05 33 13-1727 EA 1-1/2" x 2" Explosion Proof Malleable Iron Conduit Sealing Fitting, Horizontal/Vertical	171.10	36.57
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	27.43	
26 05 33 13-1728 EA 2" x 2-1/2" Explosion Proof Malleable Iron Conduit Sealing Fitting, Horizontal/Vertical	216.37	41.56
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	31.17	
26 05 33 13-1729 EA 2-1/2" x 3" Explosion Proof Malleable Iron Conduit Sealing Fitting, Horizontal/Vertical	310.10	62.25
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	46.69	
26 05 33 13-1730 EA 3" x 4" Explosion Proof Malleable Iron Conduit Sealing Fitting, Horizontal/Vertical	391.52	78.03
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	58.52	
26 05 33 13-1731 EA 3-1/2" x 4" Explosion Proof Malleable Iron Conduit Sealing Fitting, Horizontal/Vertical	537.17	85.91
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	64.43	
26 05 33 13-1732 EA 4" x 5" Explosion Proof Malleable Iron Conduit Sealing Fitting, Horizontal/Vertical	681.80	93.39
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	70.04	
26 05 33 13-1733 Explosion Proof Flexible Conduit Couplings <small>(26 05 33 13-1703)</small>		
26 05 33 13-1734 EA 1/2" x 12" Explosion Proof Flexible Conduit Coupling	222.07	9.56
26 05 33 13-1735 EA 3/4" x 15" Explosion Proof Flexible Conduit Coupling	289.46	10.80
26 05 33 13-1736 Conduit Installed Below Grade <small>(26 05 33 13-0040)</small>		
Note: By direct burial in trench or in concrete slabs or duct banks. Excludes trenching, backfilling and concrete.		
26 05 33 13-1737 Schedule 40 Polyvinyl Chloride (PVC) Conduit, Direct Burial <small>(26 05 33 13-1736)</small>		
26 05 33 13-1738 Schedule 40 Polyvinyl Chloride (PVC) Conduit With Glued Couplings, Direct Burial <small>(26 05 33 13-1737)</small>		
Note: Includes field bend conduit up to 1".		
26 05 33 13-1739 LF 1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Glued Couplings, Direct Burial	3.00	
For Schedule 60, Add	0.18	
For Schedule 80, Add	0.34	
26 05 33 13-1740 LF 3/4" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Glued Couplings, Direct Burial	3.28	
For Schedule 60, Add	0.21	
For Schedule 80, Add	0.38	
26 05 33 13-1741 LF 1" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Glued Couplings, Direct Burial	3.60	
For Schedule 60, Add	0.24	
For Schedule 80, Add	0.44	
26 05 33 13-1742 LF 1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Glued Couplings, Direct Burial	3.93	
For Schedule 60, Add	0.28	
For Schedule 80, Add	0.50	
26 05 33 13-1743 LF 1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Glued Couplings, Direct Burial	4.25	
For Schedule 60, Add	0.32	
For Schedule 80, Add	0.56	
26 05 33 13-1744 LF 2" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Glued Couplings, Direct Burial	4.62	
For Schedule 60, Add	0.37	
For Schedule 80, Add	0.63	
26 05 33 13-1745 LF 2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Glued Couplings, Direct Burial	5.25	
For Schedule 60, Add	0.48	
For Schedule 80, Add	0.80	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1746 LF 3" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Glued Couplings, Direct Burial	5.68	
<i>For Schedule 60, Add</i>	0.54	
<i>For Schedule 80, Add</i>	0.89	
26 05 33 13-1747 LF 3-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Glued Couplings, Direct Burial	6.26	
<i>For Schedule 60, Add</i>	0.65	
<i>For Schedule 80, Add</i>	1.04	
26 05 33 13-1748 LF 4" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Glued Couplings, Direct Burial	6.64	
<i>For Schedule 60, Add</i>	0.70	
<i>For Schedule 80, Add</i>	1.12	
26 05 33 13-1749 LF 5" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Glued Couplings, Direct Burial	7.68	
<i>For Schedule 60, Add</i>	0.91	
<i>For Schedule 80, Add</i>	1.43	
26 05 33 13-1750 LF 6" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Glued Couplings, Direct Burial	8.74	
<i>For Schedule 60, Add</i>	1.14	
<i>For Schedule 80, Add</i>	1.75	
 26 05 33 13-1751 Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbows, Direct Burial		
<small>(26 05 33 13-1737)</small>		
See CSI section 26 05 33 13-2193 for conduit field bending.		
26 05 33 13-1752 EA 1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow, Direct Burial	22.50	
<i>For Schedule 60, Add</i>	1.25	
<i>For Schedule 80, Add</i>	2.41	
26 05 33 13-1753 EA 3/4" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow, Direct Burial	26.96	
<i>For Schedule 60, Add</i>	1.49	
<i>For Schedule 80, Add</i>	2.87	
26 05 33 13-1754 EA 1" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow, Direct Burial	31.76	
<i>For Schedule 60, Add</i>	1.81	
<i>For Schedule 80, Add</i>	3.46	
26 05 33 13-1755 EA 1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow, Direct Burial	36.65	
<i>For Schedule 60, Add</i>	2.16	
<i>For Schedule 80, Add</i>	4.08	
26 05 33 13-1756 EA 1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow, Direct Burial	41.62	
<i>For Schedule 60, Add</i>	2.53	
<i>For Schedule 80, Add</i>	4.72	
26 05 33 13-1757 EA 2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow, Direct Burial	46.73	
<i>For Schedule 60, Add</i>	2.93	
<i>For Schedule 80, Add</i>	5.41	
26 05 33 13-1758 EA 2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow, Direct Burial	53.70	
<i>For Schedule 60, Add</i>	3.80	
<i>For Schedule 80, Add</i>	6.76	
26 05 33 13-1759 EA 3" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow, Direct Burial	61.85	
<i>For Schedule 60, Add</i>	4.96	
<i>For Schedule 80, Add</i>	8.52	
26 05 33 13-1760 EA 3-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow, Direct Burial	74.40	
<i>For Schedule 60, Add</i>	6.34	
<i>For Schedule 80, Add</i>	10.72	
26 05 33 13-1761 EA 4" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow, Direct Burial	86.94	
<i>For Schedule 60, Add</i>	7.73	
<i>For Schedule 80, Add</i>	12.92	
26 05 33 13-1762 EA 5" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow, Direct Burial	108.00	
<i>For Schedule 60, Add</i>	11.24	
<i>For Schedule 80, Add</i>	18.11	
26 05 33 13-1763 EA 6" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow, Direct Burial	124.83	
<i>For Schedule 60, Add</i>	13.70	
<i>For Schedule 80, Add</i>	21.81	
 26 05 33 13-1764 Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbows, Direct Burial		
<small>(26 05 33 13-1737)</small>		
See CSI section 26 05 33 13-2193 for conduit field bending.		
26 05 33 13-1765 EA 1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow, Direct Burial	22.37	
<i>For Schedule 60, Add</i>	1.22	
<i>For Schedule 80, Add</i>	2.36	
26 05 33 13-1766 EA 3/4" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow, Direct Burial	26.92	
<i>For Schedule 60, Add</i>	1.48	
<i>For Schedule 80, Add</i>	2.86	
26 05 33 13-1767 EA 1" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow, Direct Burial	31.69	
<i>For Schedule 60, Add</i>	1.80	
<i>For Schedule 80, Add</i>	3.43	
26 05 33 13-1768 EA 1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow, Direct Burial	36.45	
<i>For Schedule 60, Add</i>	2.11	
<i>For Schedule 80, Add</i>	4.01	
26 05 33 13-1769 EA 1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow, Direct Burial	41.18	
<i>For Schedule 60, Add</i>	2.42	
<i>For Schedule 80, Add</i>	4.56	
26 05 33 13-1770 EA 2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow, Direct Burial	46.49	
<i>For Schedule 60, Add</i>	2.87	
<i>For Schedule 80, Add</i>	5.33	
26 05 33 13-1771 EA 2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow, Direct Burial	53.25	
<i>For Schedule 60, Add</i>	3.68	
<i>For Schedule 80, Add</i>	6.80	

26 Electrical**26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1772 EA 3" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow, Direct Burial	61.29	
For Schedule 60, Add	4.82	
For Schedule 80, Add	8.32	
26 05 33 13-1773 EA 3-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow, Direct Burial	72.83	
For Schedule 60, Add	5.95	
For Schedule 80, Add	10.17	
26 05 33 13-1774 EA 4" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow, Direct Burial	85.58	
For Schedule 60, Add	7.39	
For Schedule 80, Add	12.45	
26 05 33 13-1775 EA 5" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow, Direct Burial	106.24	
For Schedule 60, Add	10.80	
For Schedule 80, Add	17.49	
26 05 33 13-1776 EA 6" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow, Direct Burial	119.61	
For Schedule 60, Add	12.40	
For Schedule 80, Add	19.98	
26 05 33 13-1777 Polyvinyl Chloride (PVC) Conduit Adapters, Direct Burial <small>(26 05 33 13-1737)</small>		
26 05 33 13-1778 EA 1/2" Polyvinyl Chloride (PVC) Conduit Adapter, Direct Burial	12.54	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.68	
26 05 33 13-1779 EA 3/4" Polyvinyl Chloride (PVC) Conduit Adapter, Direct Burial	14.38	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.20	
26 05 33 13-1780 EA 1" Polyvinyl Chloride (PVC) Conduit Adapter, Direct Burial	16.26	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.73	
26 05 33 13-1781 EA 1-1/4" Polyvinyl Chloride (PVC) Conduit Adapter, Direct Burial	18.20	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.25	
26 05 33 13-1782 EA 1-1/2" Polyvinyl Chloride (PVC) Conduit Adapter, Direct Burial	20.00	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.78	
26 05 33 13-1783 EA 2" Polyvinyl Chloride (PVC) Conduit Adapter, Direct Burial	22.01	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.30	
26 05 33 13-1784 EA 2-1/2" Polyvinyl Chloride (PVC) Conduit Adapter, Direct Burial	25.66	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.09	
26 05 33 13-1785 EA 3" Polyvinyl Chloride (PVC) Conduit Adapter, Direct Burial	29.08	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.88	
26 05 33 13-1786 EA 3-1/2" Polyvinyl Chloride (PVC) Conduit Adapter, Direct Burial	34.24	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.19	
26 05 33 13-1787 EA 4" Polyvinyl Chloride (PVC) Conduit Adapter, Direct Burial	38.71	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	10.50	
26 05 33 13-1788 EA 5" Polyvinyl Chloride (PVC) Conduit Adapter, Direct Burial	46.69	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	11.82	
26 05 33 13-1789 EA 6" Polyvinyl Chloride (PVC) Conduit Adapter, Direct Burial	52.52	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	13.13	
26 05 33 13-1790 Polyvinyl Chloride (PVC) Conduit Bell Ends And Plug, Direct Burial <small>(26 05 33 13-1737)</small>		
26 05 33 13-1791 EA 1-1/4" Polyvinyl Chloride (PVC) Conduit Bell End And Plug, Direct Burial.....	21.32	
26 05 33 13-1792 EA 1-1/2" Polyvinyl Chloride (PVC) Conduit Bell End And Plug, Direct Burial.....	23.50	
26 05 33 13-1793 EA 2" Polyvinyl Chloride (PVC) Conduit Bell End And Plug, Direct Burial.....	26.46	
26 05 33 13-1794 EA 2-1/2" Polyvinyl Chloride (PVC) Conduit Bell End And Plug, Direct Burial.....	29.59	
26 05 33 13-1795 EA 3" Polyvinyl Chloride (PVC) Conduit Bell End And Plug, Direct Burial.....	32.71	
26 05 33 13-1796 EA 3-1/2" Polyvinyl Chloride (PVC) Conduit Bell End And Plug, Direct Burial.....	38.56	
26 05 33 13-1797 EA 4" Polyvinyl Chloride (PVC) Conduit Bell End And Plug, Direct Burial.....	42.94	
26 05 33 13-1798 EA 5" Polyvinyl Chloride (PVC) Conduit Bell End And Plug, Direct Burial.....	51.23	
26 05 33 13-1799 EA 6" Polyvinyl Chloride (PVC) Conduit Bell End And Plug, Direct Burial.....	57.11	
26 05 33 13-1800 Polyvinyl Chloride (PVC) Conduit Terminal Adapters, Direct Burial <small>(26 05 33 13-1737)</small>		
26 05 33 13-1801 EA 1/2" Polyvinyl Chloride (PVC) Conduit Terminal Adapters, Direct Burial.....	12.49	
26 05 33 13-1802 EA 3/4" Polyvinyl Chloride (PVC) Conduit Terminal Adapters, Direct Burial.....	14.38	
26 05 33 13-1803 EA 1" Polyvinyl Chloride (PVC) Conduit Terminal Adapters, Direct Burial.....	16.19	
26 05 33 13-1804 EA 1-1/4" Polyvinyl Chloride (PVC) Conduit Terminal Adapters, Direct Burial.....	18.08	
26 05 33 13-1805 EA 1-1/2" Polyvinyl Chloride (PVC) Conduit Terminal Adapter, Direct Burial.....	19.89	
26 05 33 13-1806 EA 2" Polyvinyl Chloride (PVC) Conduit Terminal Adapter, Direct Burial.....	21.87	
26 05 33 13-1807 EA 2-1/2" Polyvinyl Chloride (PVC) Conduit Terminal Adapter, Direct Burial.....	25.36	
26 05 33 13-1808 EA 3" Polyvinyl Chloride (PVC) Conduit Terminal Adapter, Direct Burial.....	28.66	
26 05 33 13-1809 EA 3-1/2" Polyvinyl Chloride (PVC) Conduit Terminal Adapter, Direct Burial.....	33.71	
26 05 33 13-1810 EA 4" Polyvinyl Chloride (PVC) Conduit Terminal Adapter, Direct Burial.....	38.16	
26 05 33 13-1811 EA 5" Polyvinyl Chloride (PVC) Conduit Terminal Adapter, Direct Burial.....	45.61	
26 05 33 13-1812 EA 6" Polyvinyl Chloride (PVC) Conduit Terminal Adapter, Direct Burial.....	51.23	
26 05 33 13-1813 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial <small>(26 05 33 13-1736)</small>		
Note: 40 mil Polyvinyl Chloride (PVC) coated, 2 mil urethane lined (Ocal Blue, Crouse-Hinds, Appleton or O-Z/Gedney).		
26 05 33 13-1814 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial <small>(26 05 33 13-1813)</small>		
Note: Includes field bending for conduit up to 1".		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1815 LF 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial <i>For >250 To 500, Deduct</i> <i>For >500 To 1,000, Deduct</i> <i>For >1,000, Deduct</i>	9.50 -0.34 -0.58 -0.82	1.99
26 05 33 13-1816 LF 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial <i>For >250 To 500, Deduct</i> <i>For >500 To 1,000, Deduct</i> <i>For >1,000, Deduct</i>	10.65 -0.39 -0.66 -0.92	2.47
26 05 33 13-1817 LF 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial <i>For >250 To 500, Deduct</i> <i>For >500 To 1,000, Deduct</i> <i>For >1,000, Deduct</i>	13.06 -0.49 -0.81 -1.14	2.76
26 05 33 13-1818 LF 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial <i>For >250 To 500, Deduct</i> <i>For >500 To 1,000, Deduct</i> <i>For >1,000, Deduct</i>	15.73 -0.60 -0.99 -1.38	3.70
26 05 33 13-1819 LF 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial <i>For >250 To 500, Deduct</i> <i>For >500 To 1,000, Deduct</i> <i>For >1,000, Deduct</i>	18.44 -0.71 -1.17 -1.63	4.18
26 05 33 13-1820 LF 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial <i>For >250 To 500, Deduct</i> <i>For >500 To 1,000, Deduct</i> <i>For >1,000, Deduct</i>	23.33 -0.91 -1.49 -2.07	4.55
26 05 33 13-1821 LF 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial <i>For >250 To 500, Deduct</i> <i>For >500 To 1,000, Deduct</i> <i>For >1,000, Deduct</i>	33.79 -1.33 -2.18 -3.02	6.83
26 05 33 13-1822 LF 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial <i>For >250 To 500, Deduct</i> <i>For >500 To 1,000, Deduct</i> <i>For >1,000, Deduct</i>	43.63 -1.71 -2.80 -3.89	8.54
26 05 33 13-1823 LF 3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial <i>For >250 To 500, Deduct</i> <i>For >500 To 1,000, Deduct</i> <i>For >1,000, Deduct</i>	53.89 -2.10 -3.45 -4.80	9.01
26 05 33 13-1824 LF 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial <i>For >250 To 500, Deduct</i> <i>For >500 To 1,000, Deduct</i> <i>For >1,000, Deduct</i>	64.02 -2.49 -4.09 -5.69	9.96
26 05 33 13-1825 LF 5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial <i>For >250 To 500, Deduct</i> <i>For >500 To 1,000, Deduct</i> <i>For >1,000, Deduct</i>	99.06 -4.05 -6.53 -9.01	13.76
26 05 33 13-1826 LF 6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial <i>For >250 To 500, Deduct</i> <i>For >500 To 1,000, Deduct</i> <i>For >1,000, Deduct</i>	131.90 -5.46 -8.75 -12.05	18.03
26 05 33 13-1827 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Couplings, Direct Burial <small>(26 05 33 13-1813)</small>		
26 05 33 13-1828 EA 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling, Direct Burial.....	10.21	2.85
26 05 33 13-1829 EA 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling, Direct Burial.....	12.33	3.80
26 05 33 13-1830 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling, Direct Burial.....	15.64	4.74
26 05 33 13-1831 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling, Direct Burial	17.60	5.22
26 05 33 13-1832 EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling, Direct Burial	20.87	6.16
26 05 33 13-1833 EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling, Direct Burial.....	26.71	7.11
26 05 33 13-1834 EA 3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling, Direct Burial	47.96	8.54
26 05 33 13-1835 EA 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling, Direct Burial.....	61.22	11.85
26 05 33 13-1836 EA 3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling, Direct Burial	75.62	13.76
26 05 33 13-1837 EA 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling, Direct Burial.....	94.20	18.97
26 05 33 13-1838 EA 5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling, Direct Burial.....	235.49	26.08
26 05 33 13-1839 EA 6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling, Direct Burial.....	234.18	14.70
26 05 33 13-1840 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbows, Direct Burial <small>(26 05 33 13-1813)</small>		
Note: 90, 45, or 30 degree.		
26 05 33 13-1841 EA 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow, Direct Burial.....	39.56	11.85
26 05 33 13-1842 EA 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow, Direct Burial.....	45.86	14.70
26 05 33 13-1843 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow, Direct Burial.....	54.90	18.03
26 05 33 13-1844 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow, Direct Burial.....	64.92	20.87
26 05 33 13-1845 EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow, Direct Burial.....	75.91	23.72
26 05 33 13-1846 EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow, Direct Burial.....	91.92	26.08
26 05 33 13-1847 EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow, Direct Burial.....	140.35	32.73

26 Electrical**26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1848 EA 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow, Direct Burial.....	208.84	44.58
26 05 33 13-1849 EA 3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow, Direct Burial.....	257.59	50.27
26 05 33 13-1850 EA 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow, Direct Burial.....	296.90	65.45
26 05 33 13-1851 EA 5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow, Direct Burial.....	613.47	106.72
26 05 33 13-1852 EA 6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow, Direct Burial.....	963.64	160.31
26 05 33 13-1853 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 12" Large Radius Elbows, Direct Burial <small>(26 05 33 13-1813)</small>		
26 05 33 13-1854 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 12" Large Radius Elbow, Direct Burial.....	92.24	18.03
26 05 33 13-1855 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 12" Large Radius Elbow, Direct Burial.....	103.90	20.87
26 05 33 13-1856 EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 12" Large Radius Elbow, Direct Burial.....	118.59	23.72
26 05 33 13-1857 EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 12" Large Radius Elbow, Direct Burial.....	141.17	26.08
26 05 33 13-1858 EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 12" Large Radius Elbow, Direct Burial.....	196.09	32.73
26 05 33 13-1859 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 15" Large Radius Elbows, Direct Burial <small>(26 05 33 13-1813)</small>		
26 05 33 13-1860 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 15" Large Radius Elbow, Direct Burial.....	102.34	18.03
26 05 33 13-1861 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 15" Large Radius Elbow, Direct Burial.....	120.59	20.87
26 05 33 13-1862 EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 15" Large Radius Elbow, Direct Burial.....	130.56	23.72
26 05 33 13-1863 EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 15" Large Radius Elbow, Direct Burial.....	167.26	26.08
26 05 33 13-1864 EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 15" Large Radius Elbow, Direct Burial.....	221.24	32.73
26 05 33 13-1865 EA 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 15" Large Radius Elbow, Direct Burial.....	283.44	44.58
26 05 33 13-1866 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbows, Direct Burial <small>(26 05 33 13-1813)</small>		
26 05 33 13-1867 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow, Direct Burial.....	114.41	18.03
26 05 33 13-1868 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow, Direct Burial.....	129.28	20.87
26 05 33 13-1869 EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow, Direct Burial.....	145.91	23.72
26 05 33 13-1870 EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow, Direct Burial.....	175.91	26.08
26 05 33 13-1871 EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow, Direct Burial.....	250.15	32.73
26 05 33 13-1872 EA 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow, Direct Burial.....	317.38	44.58
26 05 33 13-1873 EA 3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow, Direct Burial.....	399.71	50.27
26 05 33 13-1874 EA 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow, Direct Burial.....	451.74	65.45
26 05 33 13-1875 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbows, Direct Burial <small>(26 05 33 13-1813)</small>		
26 05 33 13-1876 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow, Direct Burial.....	135.27	18.03
26 05 33 13-1877 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow, Direct Burial.....	149.68	20.87
26 05 33 13-1878 EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow, Direct Burial.....	169.07	23.72
26 05 33 13-1879 EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow, Direct Burial.....	209.26	26.08
26 05 33 13-1880 EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow, Direct Burial.....	301.88	32.73
26 05 33 13-1881 EA 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow, Direct Burial.....	374.88	44.58
26 05 33 13-1882 EA 3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow, Direct Burial.....	434.82	50.27
26 05 33 13-1883 EA 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow, Direct Burial.....	516.19	65.45



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1884				Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbows, Direct Burial <small>(26 05 33 13-1813)</small>		
26 05 33 13-1885	EA			1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow, Direct Burial.....	151.49	18.03
26 05 33 13-1886	EA			1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow, Direct Burial.....	168.66	20.87
26 05 33 13-1887	EA			1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow, Direct Burial.....	191.86	23.72
26 05 33 13-1888	EA			2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow, Direct Burial.....	238.29	26.08
26 05 33 13-1889	EA			2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow, Direct Burial.....	330.11	32.73
26 05 33 13-1890	EA			3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow, Direct Burial.....	420.87	44.58
26 05 33 13-1891	EA			3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow, Direct Burial.....	520.18	50.27
26 05 33 13-1892	EA			4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow, Direct Burial.....	575.36	65.45
26 05 33 13-1893	EA			5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow, Direct Burial.....	958.86	106.72
26 05 33 13-1894				Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbows, Direct Burial <small>(26 05 33 13-1813)</small>		
26 05 33 13-1895	EA			1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow, Direct Burial.....	172.72	18.03
26 05 33 13-1896	EA			1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow, Direct Burial.....	191.61	20.87
26 05 33 13-1897	EA			1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow, Direct Burial.....	216.85	23.72
26 05 33 13-1898	EA			2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow, Direct Burial.....	270.49	26.08
26 05 33 13-1899	EA			2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow, Direct Burial.....	377.15	32.73
26 05 33 13-1900	EA			3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow, Direct Burial.....	479.46	44.58
26 05 33 13-1901	EA			3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow, Direct Burial.....	562.95	50.27
26 05 33 13-1902	EA			4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow, Direct Burial.....	651.73	65.45
26 05 33 13-1903	EA			5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow, Direct Burial.....	1,012.39	106.72
26 05 33 13-1904	EA			6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow, Direct Burial.....	1,386.60	160.31
26 05 33 13-1905				Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbows, Direct Burial <small>(26 05 33 13-1813)</small>		
26 05 33 13-1906	EA			1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow, Direct Burial.....	202.26	18.03
26 05 33 13-1907	EA			1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow, Direct Burial.....	212.06	20.87
26 05 33 13-1908	EA			1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow, Direct Burial.....	250.29	23.72
26 05 33 13-1909	EA			2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow, Direct Burial.....	315.32	26.08
26 05 33 13-1910	EA			2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow, Direct Burial.....	440.57	32.73
26 05 33 13-1911	EA			3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow, Direct Burial.....	558.46	44.58
26 05 33 13-1912	EA			3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow, Direct Burial.....	681.86	50.27
26 05 33 13-1913	EA			4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow, Direct Burial.....	800.32	65.45
26 05 33 13-1914	EA			5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow, Direct Burial.....	1,186.99	106.72
26 05 33 13-1915	EA			6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow, Direct Burial.....	1,466.75	160.31
26 05 33 13-1916				Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbows, Direct Burial <small>(26 05 33 13-1813)</small>		
26 05 33 13-1917	EA			1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow, Direct Burial.....	209.38	18.03
26 05 33 13-1918	EA			1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow, Direct Burial.....	246.65	20.87
26 05 33 13-1919	EA			1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow, Direct Burial.....	279.22	23.72
26 05 33 13-1920	EA			2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow, Direct Burial.....	328.81	26.08
26 05 33 13-1921	EA			2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow, Direct Burial.....	456.41	32.73

26 Electrical**26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1922 EA 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow, Direct Burial.....	582.75	44.58
26 05 33 13-1923 EA 3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow, Direct Burial.....	746.62	50.27
26 05 33 13-1924 EA 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow, Direct Burial.....	834.02	65.45
26 05 33 13-1925 EA 5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow, Direct Burial.....	1,233.89	106.72
26 05 33 13-1926 EA 6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow, Direct Burial.....	1,507.47	160.31
26 05 33 13-1927 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS), UNF Conduit Unions, Direct Burial <small>(26 05 33 13-1813)</small>		
26 05 33 13-1928 EA 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union, Direct Burial.....	70.94	11.85
26 05 33 13-1929 EA 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union, Direct Burial.....	77.49	14.70
26 05 33 13-1930 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union, Direct Burial.....	100.49	18.03
26 05 33 13-1931 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union, Direct Burial.....	145.47	20.87
26 05 33 13-1932 EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union, Direct Burial.....	172.54	23.72
26 05 33 13-1933 EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union, Direct Burial.....	218.90	26.08
26 05 33 13-1934 EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union, Direct Burial.....	291.18	32.73
26 05 33 13-1935 EA 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union, Direct Burial.....	376.65	32.73
26 05 33 13-1936 EA 3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union, Direct Burial.....	486.57	50.27
26 05 33 13-1937 EA 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union, Direct Burial.....	626.56	65.45
26 05 33 13-1938 EA 5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union, Direct Burial.....	1,139.88	106.72
26 05 33 13-1939 EA 6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union, Direct Burial.....	1,424.01	160.31
26 05 33 13-1940 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS), UNY Conduit Unions, Direct Burial <small>(26 05 33 13-1813)</small>		
26 05 33 13-1941 EA 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union, Direct Burial.....	72.53	11.85
26 05 33 13-1942 EA 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union, Direct Burial.....	83.56	14.70
26 05 33 13-1943 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union, Direct Burial.....	103.73	18.03
26 05 33 13-1944 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union, Direct Burial.....	151.41	20.87
26 05 33 13-1945 EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union, Direct Burial.....	180.79	23.72
26 05 33 13-1946 EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union, Direct Burial.....	236.72	26.08
26 05 33 13-1947 EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union, Direct Burial.....	329.31	32.73
26 05 33 13-1948 EA 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union, Direct Burial.....	415.42	32.73
26 05 33 13-1949 EA 3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union, Direct Burial.....	556.66	50.27
26 05 33 13-1950 EA 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union, Direct Burial.....	696.39	65.45
26 05 33 13-1951 EA 5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union, Direct Burial.....	1,267.88	106.72
26 05 33 13-1952 EA 6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union, Direct Burial.....	1,630.70	160.31
26 05 33 13-1953 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS), Nipples, Direct Burial <small>(26 05 33 13-1813)</small>		
26 05 33 13-1954 EA 1/2" x 2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	24.77	5.69
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.41	
26 05 33 13-1955 EA 3/4" x 2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	27.88	7.11
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.27	
26 05 33 13-1956 EA 1" x 2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	32.43	9.01
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.41	
26 05 33 13-1957 EA 1-1/4" x 2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	38.58	10.43
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.26	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1958 EA 1-1/2" x 2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	42.01	11.85
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.12	
26 05 33 13-1959 EA 1/2" x 2-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	27.45	6.16
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.70	
26 05 33 13-1960 EA 3/4" x 2-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	29.71	7.11
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.27	
26 05 33 13-1961 EA 1" x 2-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	34.28	9.01
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.41	
26 05 33 13-1962 EA 1-1/4" x 2-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	40.54	10.43
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.26	
26 05 33 13-1963 EA 1-1/2" x 2-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	44.12	11.85
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.12	
26 05 33 13-1964 EA 2" x 2-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	47.87	13.28
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.97	
26 05 33 13-1965 EA 1/2" x 3" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	27.58	6.16
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.70	
26 05 33 13-1966 EA 3/4" x 3" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	29.83	7.11
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.27	
26 05 33 13-1967 EA 1" x 3" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	34.50	9.01
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.41	
26 05 33 13-1968 EA 1-1/4" x 3" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	40.78	10.43
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.26	
26 05 33 13-1969 EA 1-1/2" x 3" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	44.36	11.85
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.11	
26 05 33 13-1970 EA 2" x 3" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	48.52	13.28
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.97	
26 05 33 13-1971 EA 1/2" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	29.32	6.16
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.70	
26 05 33 13-1972 EA 3/4" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	31.57	7.11
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.27	
26 05 33 13-1973 EA 1" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	36.37	9.01
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.41	
26 05 33 13-1974 EA 1-1/4" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	41.84	10.43
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.26	
26 05 33 13-1975 EA 1-1/2" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	45.53	11.85
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.11	
26 05 33 13-1976 EA 2" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	50.57	13.28
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.97	
26 05 33 13-1977 EA 2-1/2" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	70.37	16.12
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.68	
26 05 33 13-1978 EA 3" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	91.23	22.30
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.37	
26 05 33 13-1979 EA 1/2" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	29.44	6.16
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.70	
26 05 33 13-1980 EA 3/4" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	31.81	7.11
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.27	
26 05 33 13-1981 EA 1" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	36.63	9.01
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.41	
26 05 33 13-1982 EA 1-1/4" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	42.90	10.43
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.26	
26 05 33 13-1983 EA 1-1/2" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	46.71	11.85
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.11	
26 05 33 13-1984 EA 2" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	52.62	13.28
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.97	
26 05 33 13-1985 EA 2-1/2" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	72.19	16.12
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.68	

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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1986 EA 3" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	95.13	22.30
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.37	
26 05 33 13-1987 EA 3-1/2" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	113.31	25.14
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15.08	
26 05 33 13-1988 EA 4" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	132.89	32.73
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	19.63	
26 05 33 13-1989 EA 1/2" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	29.68	6.16
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.70	
26 05 33 13-1990 EA 3/4" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	32.07	7.11
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.27	
26 05 33 13-1991 EA 1" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	36.90	9.01
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.41	
26 05 33 13-1992 EA 1-1/4" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	43.40	10.43
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.26	
26 05 33 13-1993 EA 1-1/2" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	47.22	11.85
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.11	
26 05 33 13-1994 EA 2" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	53.74	13.28
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.97	
26 05 33 13-1995 EA 2-1/2" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	79.39	16.12
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.68	
26 05 33 13-1996 EA 3" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	100.96	22.30
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.37	
26 05 33 13-1997 EA 3-1/2" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	114.56	25.14
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15.08	
26 05 33 13-1998 EA 4" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	136.22	32.73
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	19.63	
26 05 33 13-1999 EA 5" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	200.19	45.05
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	27.03	
26 05 33 13-2000 EA 1/2" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	30.14	6.16
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.70	
26 05 33 13-2001 EA 3/4" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	32.52	7.11
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.27	
26 05 33 13-2002 EA 1" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	37.39	9.01
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.41	
26 05 33 13-2003 EA 1-1/4" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	44.31	10.43
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.26	
26 05 33 13-2004 EA 1-1/2" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	48.32	11.85
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.11	
26 05 33 13-2005 EA 2" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	54.85	13.28
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.97	
26 05 33 13-2006 EA 2-1/2" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	86.71	16.12
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.68	
26 05 33 13-2007 EA 3" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	108.72	22.30
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.37	
26 05 33 13-2008 EA 3-1/2" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	121.54	25.14
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15.08	
26 05 33 13-2009 EA 4" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	148.00	32.73
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	19.63	
26 05 33 13-2010 EA 5" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	217.81	45.05
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	27.03	
26 05 33 13-2011 EA 1/2" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	30.85	6.16
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.70	
26 05 33 13-2012 EA 3/4" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	33.22	7.11
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.27	
26 05 33 13-2013 EA 1" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	38.49	9.01
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.41	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2014 EA 1-1/4" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	44.55	10.43
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.26	
26 05 33 13-2015 EA 1-1/2" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	50.55	11.85
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.11	
26 05 33 13-2016 EA 2" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	60.30	13.28
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.97	
26 05 33 13-2017 EA 2-1/2" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	95.71	16.12
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.68	
26 05 33 13-2018 EA 3" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	119.33	22.30
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.37	
26 05 33 13-2019 EA 3-1/2" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	139.03	25.14
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15.08	
26 05 33 13-2020 EA 4" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	165.69	32.73
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	19.63	
26 05 33 13-2021 EA 5" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	229.89	45.05
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	27.03	
26 05 33 13-2022 EA 1/2" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	31.60	6.16
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.70	
26 05 33 13-2023 EA 3/4" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	33.95	7.11
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.27	
26 05 33 13-2024 EA 1" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	39.57	9.01
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.41	
26 05 33 13-2025 EA 1-1/4" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	47.84	10.43
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.26	
26 05 33 13-2026 EA 1-1/2" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	55.85	11.85
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.11	
26 05 33 13-2027 EA 2" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	68.32	13.28
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.97	
26 05 33 13-2028 EA 2-1/2" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	105.23	16.12
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.68	
26 05 33 13-2029 EA 3" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	132.92	22.30
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.37	
26 05 33 13-2030 EA 3-1/2" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	157.40	25.14
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15.08	
26 05 33 13-2031 EA 4" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	196.65	32.73
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	19.63	
26 05 33 13-2032 EA 5" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	253.98	45.05
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	27.03	
26 05 33 13-2033 EA 1/2" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	32.37	6.16
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.70	
26 05 33 13-2034 EA 3/4" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	34.81	7.11
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.27	
26 05 33 13-2035 EA 1" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	42.31	9.01
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.41	
26 05 33 13-2036 EA 1-1/4" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	53.26	10.43
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.26	
26 05 33 13-2037 EA 1-1/2" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	62.27	11.85
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.11	
26 05 33 13-2038 EA 2" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	74.75	13.28
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.97	
26 05 33 13-2039 EA 2-1/2" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	117.92	16.12
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.68	
26 05 33 13-2040 EA 3" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	153.30	22.30
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.37	
26 05 33 13-2041 EA 3-1/2" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	168.67	25.14
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15.08	

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MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2042	EA		4" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	206.14	32.73
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	19.63	
26 05 33 13-2043	EA		5" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	257.42	45.05
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	27.03	
26 05 33 13-2044			Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit <small>(26 05 33 13-1736)</small> Note: Direct burial or encased application.		
26 05 33 13-2045			Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit <small>(26 05 33 13-2044)</small>		
26 05 33 13-2046	LF		1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit, Direct Burial	4.46	1.14
			<i>For Work In Restricted Working Space, Add</i>	0.85	
26 05 33 13-2047	LF		3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit, Direct Burial	4.89	1.22
			<i>For Work In Restricted Working Space, Add</i>	0.92	
26 05 33 13-2048	LF		1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit, Direct Burial	5.21	1.31
			<i>For Work In Restricted Working Space, Add</i>	0.98	
26 05 33 13-2049	LF		1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit, Direct Burial	5.54	1.40
			<i>For Work In Restricted Working Space, Add</i>	1.05	
26 05 33 13-2050	LF		1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit, Direct Burial	5.93	1.49
			<i>For Work In Restricted Working Space, Add</i>	1.12	
26 05 33 13-2051	LF		2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit, Direct Burial	6.20	1.57
			<i>For Work In Restricted Working Space, Add</i>	1.18	
26 05 33 13-2052	LF		2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit, Direct Burial	6.87	1.66
			<i>For Work In Restricted Working Space, Add</i>	1.25	
26 05 33 13-2053	LF		3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit, Direct Burial	7.63	1.75
			<i>For Work In Restricted Working Space, Add</i>	1.31	
26 05 33 13-2054	LF		3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit, Direct Burial	8.26	1.84
			<i>For Work In Restricted Working Space, Add</i>	1.38	
26 05 33 13-2055	LF		4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit, Direct Burial	8.88	1.92
			<i>For Work In Restricted Working Space, Add</i>	1.45	
26 05 33 13-2056	LF		5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit, Direct Burial	10.12	2.01
			<i>For Work In Restricted Working Space, Add</i>	1.51	
26 05 33 13-2057	LF		6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit, Direct Burial	11.60	2.10
			<i>For Work In Restricted Working Space, Add</i>	1.58	
26 05 33 13-2058			Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbows, 12" Large Radius Elbows <small>(26 05 33 13-2044)</small>		
26 05 33 13-2059	EA		1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows, Direct Burial	51.88	8.75
			<i>For Work In Restricted Working Space, Add</i>	6.56	
			<i>For 24" Radius, Add</i>	3.34	
			<i>For 36" Radius, Add</i>	5.19	
			<i>For 48" Radius, Add</i>	7.03	
26 05 33 13-2060	EA		3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows, Direct Burial	59.85	10.50
			<i>For Work In Restricted Working Space, Add</i>	7.88	
			<i>For 24" Radius, Add</i>	3.83	
			<i>For 36" Radius, Add</i>	5.99	
			<i>For 48" Radius, Add</i>	8.14	
26 05 33 13-2061	EA		1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows, Direct Burial	64.56	12.26
			<i>For Work In Restricted Working Space, Add</i>	9.19	
			<i>For 24" Radius, Add</i>	4.08	
			<i>For 36" Radius, Add</i>	6.46	
			<i>For 48" Radius, Add</i>	8.84	
26 05 33 13-2062	EA		1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows, Direct Burial	69.27	14.01
			<i>For Work In Restricted Working Space, Add</i>	10.50	
			<i>For 24" Radius, Add</i>	4.32	
			<i>For 36" Radius, Add</i>	6.93	
			<i>For 48" Radius, Add</i>	9.53	
26 05 33 13-2063	EA		1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows, Direct Burial	74.00	15.75
			<i>For Work In Restricted Working Space, Add</i>	11.82	
			<i>For 24" Radius, Add</i>	4.57	
			<i>For 36" Radius, Add</i>	7.40	
			<i>For 48" Radius, Add</i>	10.24	
26 05 33 13-2064	EA		2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows, Direct Burial	83.14	17.50
			<i>For Work In Restricted Working Space, Add</i>	13.13	
			<i>For 24" Radius, Add</i>	5.14	
			<i>For 36" Radius, Add</i>	8.31	
			<i>For 48" Radius, Add</i>	11.49	
26 05 33 13-2065	EA		2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows, Direct Burial	95.27	19.26
			<i>For Work In Restricted Working Space, Add</i>	14.45	
			<i>For 24" Radius, Add</i>	5.94	
			<i>For 36" Radius, Add</i>	9.53	
			<i>For 48" Radius, Add</i>	13.11	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2066 EA 3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows, Direct Burial.....	109.07	21.01
<i>For Work In Restricted Working Space, Add</i>	15.76	
<i>For 24" Radius, Add</i>	6.87	
<i>For 36" Radius, Add</i>	10.91	
<i>For 48" Radius, Add</i>	14.95	
26 05 33 13-2067 EA 3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows, Direct Burial	124.90	24.51
<i>For Work In Restricted Working Space, Add</i>	18.38	
<i>For 24" Radius, Add</i>	7.84	
<i>For 36" Radius, Add</i>	12.49	
<i>For 48" Radius, Add</i>	17.14	
26 05 33 13-2068 EA 4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows, Direct Burial.....	140.71	31.51
<i>For Work In Restricted Working Space, Add</i>	21.01	
<i>For 24" Radius, Add</i>	8.80	
<i>For 36" Radius, Add</i>	14.07	
<i>For 48" Radius, Add</i>	19.34	
26 05 33 13-2069 EA 5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows, Direct Burial.....	167.14	31.51
<i>For Work In Restricted Working Space, Add</i>	23.63	
<i>For 24" Radius, Add</i>	10.57	
<i>For 36" Radius, Add</i>	16.71	
<i>For 48" Radius, Add</i>	22.86	
26 05 33 13-2070 EA 6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows, Direct Burial.....	197.97	35.01
<i>For Work In Restricted Working Space, Add</i>	26.26	
<i>For 24" Radius, Add</i>	12.66	
<i>For 36" Radius, Add</i>	19.80	
<i>For 48" Radius, Add</i>	26.93	
26 05 33 13-2071 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Couplings <small>(26 05 33 13-2044)</small>		
26 05 33 13-2072 EA 1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling, Direct Burial.....	24.68	4.91
<i>For Work In Restricted Working Space, Add</i>	3.68	
26 05 33 13-2073 EA 3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling, Direct Burial.....	27.85	5.60
<i>For Work In Restricted Working Space, Add</i>	4.20	
26 05 33 13-2074 EA 1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling, Direct Burial.....	29.73	6.30
<i>For Work In Restricted Working Space, Add</i>	4.73	
26 05 33 13-2075 EA 1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling, Direct Burial	31.60	7.00
<i>For Work In Restricted Working Space, Add</i>	5.25	
26 05 33 13-2076 EA 1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling, Direct Burial	33.64	7.70
<i>For Work In Restricted Working Space, Add</i>	5.78	
26 05 33 13-2077 EA 2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling, Direct Burial.....	38.14	8.40
<i>For Work In Restricted Working Space, Add</i>	6.30	
26 05 33 13-2078 EA 2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling, Direct Burial	44.25	9.45
<i>For Work In Restricted Working Space, Add</i>	7.09	
26 05 33 13-2079 EA 3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling, Direct Burial.....	51.00	10.50
<i>For Work In Restricted Working Space, Add</i>	7.88	
26 05 33 13-2080 EA 3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling, Direct Burial	58.46	12.26
<i>For Work In Restricted Working Space, Add</i>	9.19	
26 05 33 13-2081 EA 4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling, Direct Burial.....	65.94	14.01
<i>For Work In Restricted Working Space, Add</i>	10.50	
26 05 33 13-2082 EA 5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling, Direct Burial.....	78.05	15.75
<i>For Work In Restricted Working Space, Add</i>	11.82	
26 05 33 13-2083 EA 6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling, Direct Burial.....	92.07	17.50
<i>For Work In Restricted Working Space, Add</i>	13.13	
26 05 33 13-2084 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Couplings <small>(26 05 33 13-2044)</small>		
26 05 33 13-2085 EA 1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling, Direct Burial.....	19.27	4.91
<i>For Work In Restricted Working Space, Add</i>	3.68	
26 05 33 13-2086 EA 3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling, Direct Burial.....	21.80	5.60
<i>For Work In Restricted Working Space, Add</i>	4.20	
26 05 33 13-2087 EA 1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling, Direct Burial	23.62	6.30
<i>For Work In Restricted Working Space, Add</i>	4.73	
26 05 33 13-2088 EA 1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling, Direct Burial.....	25.45	7.00
<i>For Work In Restricted Working Space, Add</i>	5.25	
26 05 33 13-2089 EA 1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling, Direct Burial	27.29	7.70
<i>For Work In Restricted Working Space, Add</i>	5.78	
26 05 33 13-2090 EA 2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling, Direct Burial	29.09	8.40
<i>For Work In Restricted Working Space, Add</i>	6.30	
26 05 33 13-2091 EA 2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling, Direct Burial	33.33	9.45
<i>For Work In Restricted Working Space, Add</i>	7.09	
26 05 33 13-2092 EA 3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling, Direct Burial	37.90	10.50
<i>For Work In Restricted Working Space, Add</i>	7.88	
26 05 33 13-2093 EA 3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling, Direct Burial	43.72	12.26
<i>For Work In Restricted Working Space, Add</i>	9.19	

26 Electrical**26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33	13-2094	EA	4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling, Direct Burial..... <i>For Work In Restricted Working Space, Add</i>	49.56 10.50	14.01
26 05 33	13-2095	EA	5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling, Direct Burial..... <i>For Work In Restricted Working Space, Add</i>	57.60 11.82	15.75
26 05 33	13-2096	EA	6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling, Direct Burial..... <i>For Work In Restricted Working Space, Add</i>	66.51 13.13	17.50
26 05 33 13-2097 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Couplings <small>(26 05 33 13-2044)</small>					
26 05 33	13-2098	EA	1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling, Direct Burial..... <i>For Work In Restricted Working Space, Add</i>	15.71 2.10	2.80
26 05 33	13-2099	EA	3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling, Direct Burial..... <i>For Work In Restricted Working Space, Add</i>	17.56 2.36	3.15
26 05 33	13-2100	EA	1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling, Direct Burial..... <i>For Work In Restricted Working Space, Add</i>	18.54 2.63	3.50
26 05 33	13-2101	EA	1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling, Direct Burial..... <i>For Work In Restricted Working Space, Add</i>	19.48 2.89	3.86
26 05 33	13-2102	EA	1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling, Direct Burial..... <i>For Work In Restricted Working Space, Add</i>	20.57 3.15	4.21
26 05 33	13-2103	EA	2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling, Direct Burial..... <i>For Work In Restricted Working Space, Add</i>	24.25 3.68	4.91
26 05 33	13-2104	EA	2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling, Direct Burial..... <i>For Work In Restricted Working Space, Add</i>	29.26 4.46	5.95
26 05 33	13-2105	EA	3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling, Direct Burial..... <i>For Work In Restricted Working Space, Add</i>	34.76 5.25	7.00
26 05 33	13-2106	EA	3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling, Direct Burial..... <i>For Work In Restricted Working Space, Add</i>	41.29 6.56	8.75
26 05 33	13-2107	EA	4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling, Direct Burial..... <i>For Work In Restricted Working Space, Add</i>	47.83 7.88	10.50
26 05 33	13-2108	EA	5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling, Direct Burial..... <i>For Work In Restricted Working Space, Add</i>	57.58 9.19	12.26
26 05 33	13-2109	EA	6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling, Direct Burial..... <i>For Work In Restricted Working Space, Add</i>	68.71 10.50	14.01
26 05 33 13-2110 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joints <small>(26 05 33 13-2044)</small>					
26 05 33	13-2111	EA	1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint, Direct Burial..... <i>For Work In Restricted Working Space, Add</i>	53.37 13.13	17.50
26 05 33	13-2112	EA	3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint, Direct Burial..... <i>For Work In Restricted Working Space, Add</i>	63.17 15.76	21.01
26 05 33	13-2113	EA	1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint, Direct Burial..... <i>For Work In Restricted Working Space, Add</i>	72.05 18.38	24.51
26 05 33	13-2114	EA	1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint, Direct Burial..... <i>For Work In Restricted Working Space, Add</i>	80.87 21.01	28.01
26 05 33	13-2115	EA	1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint, Direct Burial..... <i>For Work In Restricted Working Space, Add</i>	85.50 22.32	29.76
26 05 33	13-2116	EA	2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint, Direct Burial..... <i>For Work In Restricted Working Space, Add</i>	91.97 23.63	31.51
26 05 33	13-2117	EA	2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint, Direct Burial..... <i>For Work In Restricted Working Space, Add</i>	98.99 24.95	33.27
26 05 33	13-2118	EA	3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint, Direct Burial..... <i>For Work In Restricted Working Space, Add</i>	106.53 26.26	35.01
26 05 33	13-2119	EA	3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint, Direct Burial..... <i>For Work In Restricted Working Space, Add</i>	113.29 27.57	36.76
26 05 33	13-2120	EA	4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint, Direct Burial..... <i>For Work In Restricted Working Space, Add</i>	120.04 28.89	38.51
26 05 33	13-2121	EA	5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint, Direct Burial..... <i>For Work In Restricted Working Space, Add</i>	130.35 30.20	40.27
26 05 33	13-2122	EA	6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint, Direct Burial..... <i>For Work In Restricted Working Space, Add</i>	142.15 31.51	42.02
26 05 33 13-2123 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joints <small>(26 05 33 13-2044)</small>					
26 05 33	13-2124	EA	1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint, Direct Burial..... <i>For Work In Restricted Working Space, Add</i>	57.27 13.13	17.50
26 05 33	13-2125	EA	3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint, Direct Burial..... <i>For Work In Restricted Working Space, Add</i>	67.54 15.76	21.01
26 05 33	13-2126	EA	1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint, Direct Burial..... <i>For Work In Restricted Working Space, Add</i>	76.44 18.38	24.51
26 05 33	13-2127	EA	1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint, Direct Burial..... <i>For Work In Restricted Working Space, Add</i>	85.31 21.01	28.01
26 05 33	13-2128	EA	1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint, Direct Burial..... <i>For Work In Restricted Working Space, Add</i>	89.97 22.32	29.76
26 05 33	13-2129	EA	2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint, Direct Burial..... <i>For Work In Restricted Working Space, Add</i>	97.09 23.63	31.51
26 05 33	13-2130	EA	2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint, Direct Burial..... <i>For Work In Restricted Working Space, Add</i>	105.13 24.95	33.27
26 05 33	13-2131	EA	3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint, Direct Burial..... <i>For Work In Restricted Working Space, Add</i>	113.90 26.26	35.01



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2132 EA 3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint, Direct Burial <i>For Work In Restricted Working Space, Add</i>	121.57 27.57	36.76
26 05 33 13-2133 EA 4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint, Direct Burial <i>For Work In Restricted Working Space, Add</i>	129.25 28.89	38.51
26 05 33 13-2134 EA 5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint, Direct Burial <i>For Work In Restricted Working Space, Add</i>	141.89 30.20	40.27
26 05 33 13-2135 EA 6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint, Direct Burial <i>For Work In Restricted Working Space, Add</i>	156.58 31.51	42.02
26 05 33 13-2136 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapters <small>(26 05 33 13-2044)</small>		
26 05 33 13-2137 EA 1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter, Direct Burial <i>For Work In Restricted Working Space, Add</i>	44.36 3.68	4.91
26 05 33 13-2138 EA 3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter, Direct Burial <i>For Work In Restricted Working Space, Add</i>	49.67 4.20	5.60
26 05 33 13-2139 EA 1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter, Direct Burial <i>For Work In Restricted Working Space, Add</i>	52.51 4.73	6.30
26 05 33 13-2140 EA 1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter, Direct Burial <i>For Work In Restricted Working Space, Add</i>	55.40 5.25	7.00
26 05 33 13-2141 EA 1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter, Direct Burial <i>For Work In Restricted Working Space, Add</i>	57.75 5.78	7.70
26 05 33 13-2142 EA 2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter, Direct Burial <i>For Work In Restricted Working Space, Add</i>	63.16 6.30	8.40
26 05 33 13-2143 EA 2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter, Direct Burial <i>For Work In Restricted Working Space, Add</i>	74.22 7.09	9.45
26 05 33 13-2144 EA 3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter, Direct Burial <i>For Work In Restricted Working Space, Add</i>	86.93 7.88	10.50
26 05 33 13-2145 EA 4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter, Direct Burial <i>For Work In Restricted Working Space, Add</i>	110.85 10.50	14.01
26 05 33 13-2146 EA 5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter, Direct Burial <i>For Work In Restricted Working Space, Add</i>	134.23 11.82	15.75
26 05 33 13-2147 EA 6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter, Direct Burial <i>For Work In Restricted Working Space, Add</i>	161.58 13.13	17.50
26 05 33 13-2148 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joints <small>(26 05 33 13-2044)</small>		
26 05 33 13-2149 EA 1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint, Direct Burial <i>For Work In Restricted Working Space, Add</i>	64.05 13.13	17.50
26 05 33 13-2150 EA 3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint, Direct Burial <i>For Work In Restricted Working Space, Add</i>	75.06 15.76	21.01
26 05 33 13-2151 EA 1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint, Direct Burial <i>For Work In Restricted Working Space, Add</i>	89.12 18.38	24.51
26 05 33 13-2152 EA 1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint, Direct Burial <i>For Work In Restricted Working Space, Add</i>	107.57 21.01	28.01
26 05 33 13-2153 EA 1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint, Direct Burial <i>For Work In Restricted Working Space, Add</i>	125.87 22.32	29.76
26 05 33 13-2154 EA 2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint, Direct Burial <i>For Work In Restricted Working Space, Add</i>	155.04 23.63	31.51
26 05 33 13-2155 EA 2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint, Direct Burial <i>For Work In Restricted Working Space, Add</i>	203.16 24.95	33.27
26 05 33 13-2156 EA 3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint, Direct Burial <i>For Work In Restricted Working Space, Add</i>	236.33 26.26	35.01
26 05 33 13-2157 EA 3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint, Direct Burial <i>For Work In Restricted Working Space, Add</i>	274.91 27.57	36.76
26 05 33 13-2158 EA 4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint, Direct Burial <i>For Work In Restricted Working Space, Add</i>	313.49 28.89	38.51
26 05 33 13-2159 EA 5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint, Direct Burial <i>For Work In Restricted Working Space, Add</i>	358.66 30.20	40.27
26 05 33 13-2160 EA 6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint, Direct Burial <i>For Work In Restricted Working Space, Add</i>	543.04 31.51	42.02
26 05 33 13-2161 Spacers <small>(26 05 33 13-1736)</small> Note: For concrete encasement applications. See CSI section 03 31 13 00-0039 for concrete., 26 05 33 13-1736 for conduit.		
26 05 33 13-2162 EA 1" Base Spacers, Average 4" Wide, Direct Burial	8.90	
26 05 33 13-2163 EA 1" Intermediate Spacers, Average 4" Wide, Direct Burial	9.61	
26 05 33 13-2164 EA 1-1/4" Base Spacer, Average 4" Wide, Direct Burial	10.63	
26 05 33 13-2165 EA 1-1/4" Intermediate Spacers, Average 4" Wide, Direct Burial	11.49	
26 05 33 13-2166 EA 1-1/2" Base Spacer, Average 4" Wide, Direct Burial	10.69	

26 Electrical**26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2167 EA 1-1/2" Intermediate Spacers, Average 4" Wide, Direct Burial	11.54	
26 05 33 13-2168 EA 2" Base Spacer, Average 4" Wide, Direct Burial	13.38	
26 05 33 13-2169 EA 2" Intermediate Spacers, Average 4" Wide, Direct Burial	12.43	
26 05 33 13-2170 EA 2-1/2" Base Spacer, Average 4" Wide, Direct Burial	14.81	
26 05 33 13-2171 EA 2-1/2" Intermediate Spacers, Average 4" Wide, Direct Burial	14.31	
26 05 33 13-2172 EA 3" Base Spacer, Average 4" Wide, Direct Burial	17.00	
26 05 33 13-2173 EA 3" Intermediate Spacers, Average 4" Wide, Direct Burial	16.18	
26 05 33 13-2174 EA 3-1/2" Base Spacer, Average 4" Wide, Direct Burial	18.41	
26 05 33 13-2175 EA 3-1/2" Intermediate Spacers, Average 4" Wide, Direct Burial	17.58	
26 05 33 13-2176 EA 4" Base Spacer, Average 4" Wide, Direct Burial	18.95	
26 05 33 13-2177 EA 4" Intermediate Spacers, Average 4" Wide, Direct Burial	18.08	
26 05 33 13-2178 EA 5" Base Spacer, Average 4" Wide, Direct Burial	20.94	
26 05 33 13-2179 EA 5" Intermediate Spacers, Average 4" Wide, Direct Burial	19.91	
26 05 33 13-2180 EA 6" Base Spacer, Average 4" Wide, Direct Burial	23.33	
26 05 33 13-2181 EA 6" Intermediate Spacers, Average 4" Wide, Direct Burial	22.48	
26 05 33 13-2182 Conduit Field Bending (26 05 33 13-0040)		
26 05 33 13-2183 Metallic Conduit Field Bending (26 05 33 13-2182)		
Note: For use with Rigid Galvanized Steel (RGS), Electrical Metallic Tubing (EMT), Intermediate Metal Conduit (IMC) and aluminum conduits.		
26 05 33 13-2184 EA 1-1/4" Metallic Conduit Field Bending	15.93	
26 05 33 13-2185 EA 1-1/2" Metallic Conduit Field Bending	21.24	
26 05 33 13-2186 EA 2" Metallic Conduit Field Bending	26.55	
26 05 33 13-2187 EA 2-1/2" Metallic Conduit Field Bending	37.17	
26 05 33 13-2188 EA 3" Metallic Conduit Field Bending	47.78	
26 05 33 13-2189 EA 3-1/2" Metallic Conduit Field Bending	58.40	
26 05 33 13-2190 EA 4" Metallic Conduit Field Bending	69.02	
26 05 33 13-2191 EA 5" Metallic Conduit Field Bending	84.95	
26 05 33 13-2192 EA 6" Metallic Conduit Field Bending	100.88	
26 05 33 13-2193 Plastic Conduit Field Bending (26 05 33 13-2182)		
Note: For PVC conduits.		
26 05 33 13-2194 EA 1" Plastic Conduit Field Bending	24.43	
26 05 33 13-2195 EA 1-1/4" Plastic Conduit Field Bending	26.55	
26 05 33 13-2196 EA 1-1/2" Plastic Conduit Field Bending	31.85	
26 05 33 13-2197 EA 2" Plastic Conduit Field Bending	42.47	
26 05 33 13-2198 EA 2-1/2" Plastic Conduit Field Bending	53.10	
26 05 33 13-2199 EA 3" Plastic Conduit Field Bending	63.72	
26 05 33 13-2200 EA 3-1/2" Plastic Conduit Field Bending	74.33	
26 05 33 13-2201 EA 4" Plastic Conduit Field Bending	84.95	
26 05 33 13-2202 EA 5" Plastic Conduit Field Bending	95.57	
26 05 33 13-2203 EA 6" Plastic Conduit Field Bending	106.19	
26 05 33 13-2204 Cut And Thread Existing In-Place Threaded Conduit (26 05 33 13-0040)		
Note: For use when connecting conduit to an existing in-place system.		
26 05 33 13-2205 EA 1/2", Cut And Thread Existing In-Place Threaded Conduit	31.17	
For Work In Restricted Working Space, Add	9.35	
26 05 33 13-2206 EA 3/4", Cut And Thread Existing In-Place Threaded Conduit	34.29	
For Work In Restricted Working Space, Add	10.29	
26 05 33 13-2207 EA 1", Cut And Thread Existing In-Place Threaded Conduit	37.41	
For Work In Restricted Working Space, Add	11.22	
26 05 33 13-2208 EA 1-1/4", Cut And Thread Existing In-Place Threaded Conduit	40.52	
For Work In Restricted Working Space, Add	12.16	
26 05 33 13-2209 EA 1-1/2", Cut And Thread Existing In-Place Threaded Conduit	42.60	
For Work In Restricted Working Space, Add	12.78	
26 05 33 13-2210 EA 2", Cut And Thread Existing In-Place Threaded Conduit	44.68	
For Work In Restricted Working Space, Add	13.40	
26 05 33 13-2211 EA 2-1/2", Cut And Thread Existing In-Place Threaded Conduit	46.76	
For Work In Restricted Working Space, Add	14.03	
26 05 33 13-2212 EA 3", Cut And Thread Existing In-Place Threaded Conduit	48.83	
For Work In Restricted Working Space, Add	14.65	
26 05 33 13-2213 EA 3-1/2", Cut And Thread Existing In-Place Threaded Conduit	49.87	
For Work In Restricted Working Space, Add	14.96	
26 05 33 13-2214 EA 4", Cut And Thread Existing In-Place Threaded Conduit	50.91	
For Work In Restricted Working Space, Add	15.27	
26 05 33 13-2215 EA 5", Cut And Thread Existing In-Place Threaded Conduit	52.98	
For Work In Restricted Working Space, Add	15.89	
26 05 33 13-2216 EA 6", Cut And Thread Existing In-Place Threaded Conduit	55.06	
For Work In Restricted Working Space, Add	16.52	
26 05 33 13-2217 Flexible Conduit (26 05 33 13-0040)		
26 05 33 13-2218 Flexible Liquid Tight Metallic Conduit And Connectors (26 05 33 13-2217)		
Note: Steel inner core with PVC cover.		
26 05 33 13-2219 Flexible Liquid Tight Metallic Conduit (26 05 33 13-2218)		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2220 LF 3/8" Flexible Liquid Tight Metallic Conduit..... <i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i> <i>For Work In Restricted Working Space, Add</i>	3.88 0.43 0.86	1.14
26 05 33 13-2221 LF 1/2" Flexible Liquid Tight Metallic Conduit..... <i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i> <i>For Work In Restricted Working Space, Add</i>	4.03 0.43 0.86	1.14
26 05 33 13-2222 LF 3/4" Flexible Liquid Tight Metallic Conduit..... <i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i> <i>For Work In Restricted Working Space, Add</i>	5.40 0.57 1.14	1.51
26 05 33 13-2223 LF 1" Flexible Liquid Tight Metallic Conduit..... <i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i> <i>For Work In Restricted Working Space, Add</i>	6.21 0.57 1.14	1.51
26 05 33 13-2224 LF 1-1/4" Flexible Liquid Tight Metallic Conduit..... <i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i> <i>For Work In Restricted Working Space, Add</i>	8.03 0.71 1.42	1.89
26 05 33 13-2225 LF 1-1/2" Flexible Liquid Tight Metallic Conduit..... <i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i> <i>For Work In Restricted Working Space, Add</i>	10.31 0.85 1.71	2.27
26 05 33 13-2226 LF 2" Flexible Liquid Tight Metallic Conduit..... <i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i> <i>For Work In Restricted Working Space, Add</i>	13.57 1.14 2.28	3.04
26 05 33 13-2227 LF 2-1/2" Flexible Liquid Tight Metallic Conduit..... <i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i> <i>For Work In Restricted Working Space, Add</i>	18.41 1.28 2.56	3.42
26 05 33 13-2228 LF 3" Flexible Liquid Tight Metallic Conduit..... <i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i> <i>For Work In Restricted Working Space, Add</i>	27.03 1.56 3.13	4.18
26 05 33 13-2229 LF 4" Flexible Liquid Tight Metallic Conduit..... <i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i> <i>For Work In Restricted Working Space, Add</i>	36.98 1.99 3.98	5.31
26 05 33 13-2230 Straight Connector <small>(26 05 33 13-2218)</small>		
26 05 33 13-2231 EA 3/8" Straight Liquid Tight Connector..... <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.52 2.28 2.28	3.04
26 05 33 13-2232 EA 1/2" Straight Liquid Tight Connector..... <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.52 2.28 2.28	3.04
26 05 33 13-2233 EA 3/4" Straight Liquid Tight Connector..... <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.74 2.56 2.56	3.42
26 05 33 13-2234 EA 1" Straight Liquid Tight Connector..... <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16.98 2.85 2.85	3.80
26 05 33 13-2235 EA 1-1/4" Straight Liquid Tight Connector..... <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	21.75 3.13 3.13	4.18
26 05 33 13-2236 EA 1-1/2" Straight Liquid Tight Connector..... <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	27.53 3.41 3.41	4.55
26 05 33 13-2237 EA 2" Straight Liquid Tight Connector..... <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	37.88 3.98 3.98	5.31
26 05 33 13-2238 EA 2-1/2" Straight Liquid Tight Connector..... <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	128.76 5.12 5.12	6.83
26 05 33 13-2239 EA 3" Straight Liquid Tight Connector..... <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	165.94 5.41 5.41	7.20
26 05 33 13-2240 EA 4" Straight Liquid Tight Connector..... <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	203.20 7.97 7.97	10.62
26 05 33 13-2241 90 Degree Angle Connector <small>(26 05 33 13-2218)</small>		
26 05 33 13-2242 EA 3/8" 90 Degree Angle Liquid Tight Connector..... <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15.32 3.13 3.13	4.18
26 05 33 13-2243 EA 1/2" 90 Degree Angle Liquid Tight Connector..... <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15.95 3.13 3.13	4.18
26 05 33 13-2244 EA 3/4" 90 Degree Angle Liquid Tight Connector..... <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18.02 3.41 3.41	4.55
26 05 33 13-2245 EA 1" 90 Degree Angle Liquid Tight Connector..... <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	25.35 3.98 3.98	5.31
26 05 33 13-2246 EA 1-1/4" 90 Degree Angle Liquid Tight Connector..... <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	31.89 4.27 4.27	5.69
26 05 33 13-2247 EA 1-1/2" 90 Degree Angle Liquid Tight Connector..... <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	38.63 4.55 4.55	6.07

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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2248 EA 2" 90 Degree Angle Liquid Tight Connector.....	51.04	6.83
For Work In Restricted Working Space, Add	5.12	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.12	
26 05 33 13-2249 EA 2-1/2" 90 Degree Angle Liquid Tight Connector.....	179.76	7.20
For Work In Restricted Working Space, Add	5.41	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.41	
26 05 33 13-2250 EA 3" 90 Degree Angle Liquid Tight Connector.....	212.39	8.35
For Work In Restricted Working Space, Add	6.26	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.26	
26 05 33 13-2251 EA 4" 90 Degree Angle Liquid Tight Connector.....	293.91	13.28
For Work In Restricted Working Space, Add	9.96	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.96	
26 05 33 13-2252 45 Degree Angle Connector (26 05 33 13-2218)		
26 05 33 13-2253 EA 3/8" 45 Degree Angle Liquid Tight Connector.....	15.11	4.18
For Work In Restricted Working Space, Add	3.13	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.13	
26 05 33 13-2254 EA 1/2" 45 Degree Angle Liquid Tight Connector.....	15.26	4.18
For Work In Restricted Working Space, Add	3.13	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.13	
26 05 33 13-2255 EA 3/4" 45 Degree Angle Liquid Tight Connector.....	18.02	4.55
For Work In Restricted Working Space, Add	3.41	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.41	
26 05 33 13-2256 EA 1" 45 Degree Angle Liquid Tight Connector.....	27.07	5.31
For Work In Restricted Working Space, Add	3.98	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.98	
26 05 33 13-2257 EA 1-1/4" 45 Degree Angle Liquid Tight Connector.....	30.77	5.69
For Work In Restricted Working Space, Add	4.27	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.27	
26 05 33 13-2258 EA 1-1/2" 45 Degree Angle Liquid Tight Connector.....	34.47	6.07
For Work In Restricted Working Space, Add	4.55	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.55	
26 05 33 13-2259 Flexible Metallic Conduit And Connectors (26 05 33 13-2217)		
26 05 33 13-2260 Flexible Steel Conduit (26 05 33 13-2259)		
26 05 33 13-2261 LF 3/8" Flexible Metallic Conduit.....	3.58	1.24
For Flexible Aluminum Conduit, Add	0.09	
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	0.46	
For Installation In Metal Stud Wall, Add	0.30	
For Installation In Wood Stud Wall (Includes Drilling), Add	0.76	
For Work In Restricted Working Space, Add	0.91	
26 05 33 13-2262 LF 1/2" Flexible Metallic Conduit.....	3.71	1.24
For Flexible Aluminum Conduit, Add	0.10	
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	0.47	
For Installation In Metal Stud Wall, Add	0.31	
For Installation In Wood Stud Wall (Includes Drilling), Add	0.78	
For Work In Restricted Working Space, Add	0.94	
26 05 33 13-2263 LF 3/4" Flexible Metallic Conduit.....	4.19	1.66
For Flexible Aluminum Conduit, Add	0.13	
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	0.51	
For Installation In Metal Stud Wall, Add	0.34	
For Installation In Wood Stud Wall (Includes Drilling), Add	0.85	
For Work In Restricted Working Space, Add	1.01	
26 05 33 13-2264 LF 1" Flexible Metallic Conduit.....	5.15	1.66
For Flexible Aluminum Conduit, Add	0.25	
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	0.55	
For Installation In Metal Stud Wall, Add	0.36	
For Installation In Wood Stud Wall (Includes Drilling), Add	0.91	
For Work In Restricted Working Space, Add	1.09	
26 05 33 13-2265 LF 1-1/4" Flexible Metallic Conduit.....	5.80	2.07
For Flexible Aluminum Conduit, Add	0.32	
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	0.58	
For Installation In Metal Stud Wall, Add	0.38	
For Installation In Wood Stud Wall (Includes Drilling), Add	0.96	
For Work In Restricted Working Space, Add	1.15	
26 05 33 13-2266 LF 1-1/2" Flexible Metallic Conduit.....	7.44	2.49
For Flexible Aluminum Conduit, Add	0.57	
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	0.60	
For Installation In Metal Stud Wall, Add	0.40	
For Installation In Wood Stud Wall (Includes Drilling), Add	1.00	
For Work In Restricted Working Space, Add	1.20	
26 05 33 13-2267 LF 2" Flexible Metallic Conduit.....	8.37	3.32
For Flexible Aluminum Conduit, Add	0.70	
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	0.62	
For Installation In Metal Stud Wall, Add	0.42	
For Installation In Wood Stud Wall (Includes Drilling), Add	1.04	
For Work In Restricted Working Space, Add	1.25	
26 05 33 13-2268 LF 2-1/2" Flexible Steel Conduit.....	10.30	3.74
For Flexible Aluminum Conduit, Add	0.84	
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	0.78	
For Installation In Metal Stud Wall, Add	0.52	
For Installation In Wood Stud Wall (Includes Drilling), Add	1.30	
For Work In Restricted Working Space, Add	1.56	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2269 LF 3" Flexible Metallic Conduit.....	15.09	4.57
For Flexible Aluminum Conduit, Add	1.46	
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	0.93	
For Installation In Metal Stud Wall, Add	0.62	
For Installation In Wood Stud Wall (Includes Drilling), Add	1.56	
For Work In Restricted Working Space, Add	1.87	
26 05 33 13-2270 LF 3-1/2" Flexible Metallic Conduit	18.44	4.98
For Flexible Aluminum Conduit, Add	1.84	
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	1.09	
For Installation In Metal Stud Wall, Add	0.73	
For Installation In Wood Stud Wall (Includes Drilling), Add	1.82	
For Work In Restricted Working Space, Add	2.18	
26 05 33 13-2271 LF 4" Flexible Metallic Conduit.....	21.20	5.81
For Flexible Aluminum Conduit, Add	2.13	
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	1.25	
For Installation In Metal Stud Wall, Add	0.83	
For Installation In Wood Stud Wall (Includes Drilling), Add	2.08	
For Work In Restricted Working Space, Add	2.49	
26 05 33 13-2272 Plain Squeeze Type Straight Connector <small>(26 05 33 13-2259)</small>		
26 05 33 13-2273 EA 3/8" Flexible Straight Connectors, Plain.....	6.03	3.32
For Work In Restricted Working Space, Add	1.40	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	1.40	
26 05 33 13-2274 EA 1/2" Flexible Straight Connectors, Plain.....	7.35	3.74
For Work In Restricted Working Space, Add	1.56	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	1.56	
26 05 33 13-2275 EA 3/4" Flexible Straight Connectors, Plain.....	8.50	4.57
For Work In Restricted Working Space, Add	1.87	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	1.87	
26 05 33 13-2276 EA 1" Flexible Straight Connectors, Plain.....	13.30	4.98
For Work In Restricted Working Space, Add	2.49	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2.49	
26 05 33 13-2277 EA 1-1/4" Flexible Straight Connectors, Plain	18.56	5.81
For Work In Restricted Working Space, Add	3.11	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.11	
26 05 33 13-2278 EA 1-1/2" Flexible Straight Connectors, Plain	24.33	7.05
For Work In Restricted Working Space, Add	3.89	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.89	
26 05 33 13-2279 EA 2" Flexible Straight Connectors, Plain.....	31.72	7.05
For Work In Restricted Working Space, Add	4.67	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.67	
26 05 33 13-2280 EA 2-1/2" Flexible Straight Connectors, Plain	49.89	8.72
For Work In Restricted Working Space, Add	5.45	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.45	
26 05 33 13-2281 EA 3" Flexible Straight Connectors, Plain.....	64.74	9.55
For Work In Restricted Working Space, Add	6.23	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.23	
26 05 33 13-2282 EA 3-1/2" Flexible Straight Connectors, Plain	193.47	11.21
For Work In Restricted Working Space, Add	7.00	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.00	
26 05 33 13-2283 EA 4" Flexible Straight Connectors, Plain.....	241.17	13.69
For Work In Restricted Working Space, Add	7.78	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.78	
26 05 33 13-2284 Insulated Throat Squeeze Type Straight Connector <small>(26 05 33 13-2259)</small>		
26 05 33 13-2285 EA 1/2" Flexible Straight Connectors, Insulated.....	8.09	3.74
For Work In Restricted Working Space, Add	1.56	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	1.56	
26 05 33 13-2286 EA 3/4" Flexible Straight Connectors, Insulated.....	9.47	4.57
For Work In Restricted Working Space, Add	1.87	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	1.87	
26 05 33 13-2287 EA 1" Flexible Straight Connectors, Insulated.....	14.62	4.98
For Work In Restricted Working Space, Add	2.49	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2.49	
26 05 33 13-2288 EA 1-1/4" Flexible Straight Connectors, Insulated.....	21.00	5.81
For Work In Restricted Working Space, Add	3.11	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.11	
26 05 33 13-2289 EA 1-1/2" Flexible Straight Connectors, Insulated.....	28.67	6.22
For Work In Restricted Working Space, Add	3.89	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.89	
26 05 33 13-2290 EA 2" Flexible Straight Connectors, Insulated.....	39.39	7.05
For Work In Restricted Working Space, Add	4.67	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.67	
26 05 33 13-2291 EA 2-1/2" Flexible Straight Connectors, Insulated.....	66.29	8.72
For Work In Restricted Working Space, Add	5.45	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.45	
26 05 33 13-2292 EA 3" Flexible Straight Connectors, Insulated.....	84.08	9.55
For Work In Restricted Working Space, Add	6.23	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.23	
26 05 33 13-2293 EA 3-1/2" Flexible Straight Connectors, Insulated.....	223.28	11.21
For Work In Restricted Working Space, Add	7.00	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.00	

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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2294 EA 4" Flexible Straight Connectors, Insulated.....	285.99	13.69
For Work In Restricted Working Space, Add	7.78	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.78	
26 05 33 13-2295 Plain Squeeze Type 90 Degree Connector (26 05 33 13-2295)		
26 05 33 13-2296 EA 3/8" Flexible 90 Degree Connector, Plain.....	8.40	4.15
For Work In Restricted Working Space, Add	1.87	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	1.87	
26 05 33 13-2297 EA 1/2" Flexible 90 Degree Connector, Plain.....	10.91	4.57
For Work In Restricted Working Space, Add	2.18	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2.18	
26 05 33 13-2298 EA 3/4" Flexible 90 Degree Connector, Plain.....	14.01	4.98
For Work In Restricted Working Space, Add	2.49	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2.49	
26 05 33 13-2299 EA 1" Flexible 90 Degree Connector, Plain.....	19.40	5.81
For Work In Restricted Working Space, Add	3.11	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.11	
26 05 33 13-2300 EA 1-1/4" Flexible 90 Degree Connector, Plain.....	29.57	6.22
For Work In Restricted Working Space, Add	3.74	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.74	
26 05 33 13-2301 EA 1-1/2" Flexible 90 Degree Connector, Plain.....	45.49	7.26
For Work In Restricted Working Space, Add	4.67	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.67	
26 05 33 13-2302 EA 2" Flexible 90 Degree Connector, Plain.....	54.64	8.93
For Work In Restricted Working Space, Add	5.29	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.29	
26 05 33 13-2303 EA 2-1/2" Flexible 90 Degree Connector, Plain.....	117.19	9.55
For Work In Restricted Working Space, Add	6.23	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.23	
26 05 33 13-2304 EA 3" Flexible 90 Degree Connector, Plain.....	149.95	11.21
For Work In Restricted Working Space, Add	7.00	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.00	
26 05 33 13-2305 EA 3-1/2" Flexible 90 Degree Connector, Plain.....	313.86	13.69
For Work In Restricted Working Space, Add	7.78	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.78	
26 05 33 13-2306 EA 4" Flexible 90 Degree Connector, Plain.....	557.98	15.57
For Work In Restricted Working Space, Add	9.34	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.34	
26 05 33 13-2307 Insulated Throat Squeeze Type 90 Degree Connector (26 05 33 13-2259)		
26 05 33 13-2308 EA 1/2" Flexible 90 Degree Connector, Insulated.....	11.94	4.57
For Work In Restricted Working Space, Add	2.18	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2.18	
26 05 33 13-2309 EA 3/4" Flexible 90 Degree Connector, Insulated.....	15.29	4.98
For Work In Restricted Working Space, Add	2.49	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2.49	
26 05 33 13-2310 EA 1" Flexible 90 Degree Connector, Insulated.....	19.40	5.81
For Work In Restricted Working Space, Add	3.11	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.11	
26 05 33 13-2311 EA 1-1/4" Flexible 90 Degree Connector, Insulated.....	34.09	6.22
For Work In Restricted Working Space, Add	3.74	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.74	
26 05 33 13-2312 EA 1-1/2" Flexible 90 Degree Connector, Insulated.....	53.71	7.26
For Work In Restricted Working Space, Add	4.67	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.67	
26 05 33 13-2313 EA 2" Flexible 90 Degree Connector, Insulated.....	68.00	8.93
For Work In Restricted Working Space, Add	5.29	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.29	
26 05 33 13-2314 EA 2-1/2" Flexible 90 Degree Connector, Insulated.....	158.96	9.55
For Work In Restricted Working Space, Add	6.23	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.23	
26 05 33 13-2315 EA 3" Flexible 90 Degree Connector, Insulated.....	195.20	11.21
For Work In Restricted Working Space, Add	7.00	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.00	
26 05 33 13-2316 EA 3-1/2" Flexible 90 Degree Connector, Insulated.....	518.95	13.69
For Work In Restricted Working Space, Add	7.78	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.78	
26 05 33 13-2317 EA 4" Flexible 90 Degree Connector, Insulated.....	772.80	15.57
For Work In Restricted Working Space, Add	9.34	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.34	
26 05 33 13-2318 Plain Squeeze Type 45 Degree Connector (26 05 33 13-2259)		
26 05 33 13-2319 EA 3/8" Flexible 45 Degree Connector, Plain.....	9.23	4.15
For Work In Restricted Working Space, Add	1.87	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	1.87	
26 05 33 13-2320 EA 1/2" Flexible 45 Degree Connector, Plain.....	12.24	4.57
For Work In Restricted Working Space, Add	2.18	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2.18	
26 05 33 13-2321 EA 3/4" Flexible 45 Degree Connector, Plain.....	15.50	4.98
For Work In Restricted Working Space, Add	2.49	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2.49	



	MINOR	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2322		Insulated Squeeze Type 45 Degree Connector <small>(26 05 33 13-2259)</small>		
26 05 33 13-2323	EA	3/8" Flexible 45 Degree Connector, Insulated	9.81	4.98
		<i>For Work In Restricted Working Space, Add</i>	1.87	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1.87	
26 05 33 13-2324	EA	1/2" Flexible 45 Degree Connector, Insulated	13.19	4.57
		<i>For Work In Restricted Working Space, Add</i>	2.18	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.18	
26 05 33 13-2325	EA	3/4" Flexible 45 Degree Connector, Insulated	16.84	4.98
		<i>For Work In Restricted Working Space, Add</i>	2.49	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.49	
26 05 33 13-2326		Plain Screw-In Connector <small>(26 05 33 13-2259)</small>		
26 05 33 13-2327	EA	3/8" Flexible Steel Screw-in Connector, Plain.....	5.17	3.32
		<i>For Work In Restricted Working Space, Add</i>	1.40	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1.40	
26 05 33 13-2328	EA	1/2" Flexible Steel Screw-in Connector, Plain.....	5.61	3.74
		<i>For Work In Restricted Working Space, Add</i>	1.56	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1.56	
26 05 33 13-2329	EA	3/4" Flexible Steel Screw-in Connector, Plain.....	7.07	4.57
		<i>For Work In Restricted Working Space, Add</i>	1.87	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1.87	
26 05 33 13-2330	EA	1" Flexible Steel Screw-in Connector, Plain.....	10.01	4.98
		<i>For Work In Restricted Working Space, Add</i>	2.49	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.49	
26 05 33 13-2331	EA	1-1/4" Flexible Steel Screw-in Connector, Plain	14.37	5.81
		<i>For Work In Restricted Working Space, Add</i>	3.11	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.11	
26 05 33 13-2332	EA	1-1/2" Flexible Steel Screw-in Connector, Plain	17.62	6.22
		<i>For Work In Restricted Working Space, Add</i>	3.89	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.89	
26 05 33 13-2333	EA	2" Flexible Steel Screw-in Connector, Plain.....	25.22	7.05
		<i>For Work In Restricted Working Space, Add</i>	4.67	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.67	
26 05 33 13-2334		Insulated Screw-In Connector <small>(26 05 33 13-2259)</small>		
26 05 33 13-2335	EA	3/8" Flexible Steel Screw-in Connector, Insulated	5.42	3.32
		<i>For Work In Restricted Working Space, Add</i>	1.40	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1.40	
26 05 33 13-2336	EA	1/2" Flexible Steel Screw-in Connector, Insulated	5.80	3.74
		<i>For Work In Restricted Working Space, Add</i>	1.56	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1.56	
26 05 33 13-2337	EA	3/4" Flexible Steel Screw-in Connector, Insulated	7.57	4.57
		<i>For Work In Restricted Working Space, Add</i>	1.87	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1.87	
26 05 33 13-2338	EA	1" Flexible Steel Screw-in Connector, Insulated	10.78	4.98
		<i>For Work In Restricted Working Space, Add</i>	2.49	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.49	
26 05 33 13-2339	EA	1-1/4" Flexible Steel Screw-in Connector, Insulated	15.47	5.81
		<i>For Work In Restricted Working Space, Add</i>	3.11	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.11	
26 05 33 13-2340	EA	1-1/2" Flexible Steel Screw-in Connector, Insulated	18.93	6.22
		<i>For Work In Restricted Working Space, Add</i>	3.89	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.89	
26 05 33 13-2341	EA	2" Flexible Steel Screw-in Connector, Insulated	26.38	7.05
		<i>For Work In Restricted Working Space, Add</i>	4.67	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.67	
26 05 33 13-2342		Screw-In Coupling <small>(26 05 33 13-2259)</small>		
26 05 33 13-2343	EA	1/2" Flexible Steel Screw-in Coupling	6.09	3.74
		<i>For Work In Restricted Working Space, Add</i>	1.56	
26 05 33 13-2344	EA	3/4" Flexible Steel Screw-in Coupling	7.87	4.57
		<i>For Work In Restricted Working Space, Add</i>	1.87	
26 05 33 13-2345		Flexible To Electrical Metallic Tubing (EMT) Coupling <small>(26 05 33 13-2259)</small>		
26 05 33 13-2346	EA	3/8" Flexible Steel To Electrical Metallic Tubing (EMT) Coupling	7.74	3.32
		<i>For Work In Restricted Working Space, Add</i>	1.40	
26 05 33 13-2347	EA	1/2" Flexible Steel To Electrical Metallic Tubing (EMT) Coupling	10.30	3.74
		<i>For Work In Restricted Working Space, Add</i>	1.56	
26 05 33 13-2348	EA	3/4" Flexible Steel To Electrical Metallic Tubing (EMT) Coupling	13.49	4.57
		<i>For Work In Restricted Working Space, Add</i>	1.87	
26 05 33 13-2349		Die Cast Squeeze Type Straight Connector <small>(26 05 33 13-2259)</small>		
26 05 33 13-2350	EA	3/8" Flexible Straight Connector, Die Cast.....	5.33	3.32
		<i>For Work In Restricted Working Space, Add</i>	1.40	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1.40	

26 Electrical**26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2351 EA 1/2" Flexible Straight Connector, Die Cast.....	6.01	3.74
For Work In Restricted Working Space, Add	1.56	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	1.56	
26 05 33 13-2352 EA 3/4" Flexible Straight Connector, Die Cast.....	7.41	4.57
For Work In Restricted Working Space, Add	1.87	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	1.87	
26 05 33 13-2353 EA 1" Flexible Straight Connector, Die Cast.....	10.95	4.98
For Work In Restricted Working Space, Add	2.49	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2.49	
26 05 33 13-2354 EA 1-1/4" Flexible Straight Connector, Die Cast.....	14.60	5.81
For Work In Restricted Working Space, Add	3.11	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.11	
26 05 33 13-2355 EA 1-1/2" Flexible Straight Connector, Die Cast.....	19.60	6.22
For Work In Restricted Working Space, Add	3.89	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.89	
26 05 33 13-2356 EA 2" Flexible Straight Connector, Die Cast.....	25.11	7.05
For Work In Restricted Working Space, Add	4.67	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.67	
26 05 33 13-2357 Die Cast Squeeze Type 90 Degree Connector (26 05 33 13-2259)		
26 05 33 13-2358 EA 3/8" Flexible 90 Degree Connector, Die Cast.....	7.06	4.15
For Work In Restricted Working Space, Add	1.87	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	1.87	
26 05 33 13-2359 EA 1/2" Flexible 90 Degree Connector, Die Cast.....	8.66	4.57
For Work In Restricted Working Space, Add	2.18	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2.18	
26 05 33 13-2360 EA 3/4" Flexible 90 Degree Connector, Die Cast.....	10.42	4.98
For Work In Restricted Working Space, Add	2.49	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2.49	
26 05 33 13-2361 EA 1" Flexible 90 Degree Connector, Die Cast.....	15.98	5.81
For Work In Restricted Working Space, Add	3.11	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.11	
26 05 33 13-2362 EA 1-1/4" Flexible 90 Degree Connector, Die Cast.....	22.22	6.22
For Work In Restricted Working Space, Add	3.74	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.74	
26 05 33 13-2363 EA 1-1/2" Flexible 90 Degree Connector, Die Cast.....	33.81	7.26
For Work In Restricted Working Space, Add	4.67	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.67	
26 05 33 13-2364 EA 2" Flexible 90 Degree Connector, Die Cast.....	40.23	8.93
For Work In Restricted Working Space, Add	5.29	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.29	
26 05 33 13-2365 Flexible Liquid Tight Non-Metallic Conduit And Connectors (26 05 33 13-2217)		
26 05 33 13-2366 Flexible Liquid Tight Non-Metallic Conduit (26 05 33 13-2365)		
26 05 33 13-2367 LF 3/8" Flexible Liquid Tight Non-Metallic Conduit.....	3.45	1.14
For Work In Restricted Working Space, Add	0.86	
26 05 33 13-2368 LF 1/2" Flexible Liquid Tight Non-Metallic Conduit.....	3.50	1.14
For Work In Restricted Working Space, Add	0.86	
26 05 33 13-2369 LF 3/4" Flexible Liquid Tight Non-Metallic Conduit.....	4.70	1.51
For Work In Restricted Working Space, Add	1.14	
26 05 33 13-2370 LF 1" Flexible Liquid Tight Non-Metallic Conduit.....	5.63	1.51
For Work In Restricted Working Space, Add	1.14	
26 05 33 13-2371 LF 1-1/4" Flexible Liquid Tight Non-Metallic Conduit.....	7.12	1.89
For Work In Restricted Working Space, Add	1.42	
26 05 33 13-2372 LF 1-1/2" Flexible Liquid Tight Non-Metallic Conduit.....	9.00	2.27
For Work In Restricted Working Space, Add	1.71	
26 05 33 13-2373 LF 2" Flexible Liquid Tight Non-Metallic Conduit.....	11.62	3.04
For Work In Restricted Working Space, Add	2.28	
26 05 33 13-2374 Liquid Tight Non-Metallic Straight Connector (26 05 33 13-2365)		
26 05 33 13-2375 EA 3/8" Liquid Tight Non-Metallic Straight Connector.....	9.81	3.04
For Work In Restricted Working Space, Add	2.28	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2.28	
26 05 33 13-2376 EA 1/2" Liquid Tight Non-Metallic Straight Connector.....	9.81	3.04
For Work In Restricted Working Space, Add	2.28	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2.28	
26 05 33 13-2377 EA 3/4" Liquid Tight Non-Metallic Straight Connector.....	11.83	3.42
For Work In Restricted Working Space, Add	2.56	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2.56	
26 05 33 13-2378 EA 1" Liquid Tight Non-Metallic Straight Connector.....	14.43	3.80
For Work In Restricted Working Space, Add	2.85	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2.85	
26 05 33 13-2379 EA 1-1/4" Liquid Tight Non-Metallic Straight Connector.....	19.30	4.18
For Work In Restricted Working Space, Add	3.13	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.13	
26 05 33 13-2380 EA 1-1/2" Liquid Tight Non-Metallic Straight Connector.....	23.73	4.55
For Work In Restricted Working Space, Add	3.41	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.41	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2381 EA 2" Liquid Tight Non-Metallic Straight Connector <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	35.93 3.98 3.98	5.31
26 05 33 13-2382 Liquid Tight Non-Metallic 90 Degree Angle Connector (26 05 33 13-2365)		
26 05 33 13-2383 EA 3/8" Liquid Tight Non-Metallic 90 Degree Angle Connector <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.05 3.13 3.13	4.18
26 05 33 13-2384 EA 1/2" Liquid Tight Non-Metallic 90 Degree Angle Connector <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.05 3.13 3.13	4.18
26 05 33 13-2385 EA 3/4" Liquid Tight Non-Metallic 90 Degree Angle Connector <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16.94 3.41 3.41	4.55
26 05 33 13-2386 EA 1" Liquid Tight Non-Metallic 90 Degree Angle Connector <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	23.32 3.98 3.98	5.31
26 05 33 13-2387 EA 1-1/4" Liquid Tight Non-Metallic 90 Degree Angle Connector <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	24.22 4.27 4.27	5.69
26 05 33 13-2388 EA 1-1/2" Liquid Tight Non-Metallic 90 Degree Angle Connector <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	36.60 4.55 4.55	6.07
26 05 33 13-2389 EA 2" Liquid Tight Non-Metallic 90 Degree Angle Connector <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	48.42 5.12 5.12	6.83
26 05 33 13-2390 Liquid Tight Non-Metallic 45 Degree Angle Connector (26 05 33 13-2365)		
26 05 33 13-2391 EA 3/8" Liquid Tight Non-Metallic 45 Degree Angle Connector <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.05 3.13 3.13	4.18
26 05 33 13-2392 EA 1/2" Liquid Tight Non-Metallic 45 Degree Angle Connector <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.05 3.13 3.13	4.18
26 05 33 13-2393 EA 3/4" Liquid Tight Non-Metallic 45 Degree Angle Connector <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16.94 3.41 3.41	4.55
26 05 33 13-2394 EA 1" Liquid Tight Non-Metallic 45 Degree Angle Connector <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	23.32 3.98 3.98	5.31
26 05 33 13-2395 EA 1-1/4" Liquid Tight Non-Metallic 45 Degree Angle Connector <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	24.22 4.27 4.27	5.69
26 05 33 13-2396 EA 1-1/2" Liquid Tight Non-Metallic 45 Degree Angle Connector <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	36.60 4.55 4.55	6.07
26 05 33 13-2397 EA 2" Liquid Tight Non-Metallic 45 Degree Angle Connector <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	48.42 5.12 5.12	6.83
26 05 33 13-2398 Blue ENT Electrical Non-Metallic Tubing (26 05 33 13-2217) Note: Carlon - FLEX-PLUS.		
26 05 33 13-2399 Blue ENT Electrical Non-Metallic Tubing (26 05 33 13-2398)		
26 05 33 13-2400 LF 1/2" Blue ENT Electrical Non-Metallic Tubing <i>For Work In Restricted Working Space, Add</i>	3.38 0.94	1.24
26 05 33 13-2401 LF 3/4" Blue ENT Electrical Non-Metallic Tubing <i>For Work In Restricted Working Space, Add</i>	4.51 1.25	1.66
26 05 33 13-2402 LF 1" Blue ENT Electrical Non-Metallic Tubing <i>For Work In Restricted Working Space, Add</i>	4.73 1.25	1.66
26 05 33 13-2403 Terminal Adapter (26 05 33 13-2398)		
26 05 33 13-2404 EA 1/2" Quick Connect Terminal Adapter For Blue ENT Electrical Non-Metallic Tubing <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.73 2.49 2.49	3.32
26 05 33 13-2405 EA 3/4" Quick Connect Terminal Adapter For Blue ENT Electrical Non-Metallic Tubing <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.12 2.80 2.80	3.74
26 05 33 13-2406 EA 1" Quick Connect Terminal Adapter For Blue ENT Electrical Non-Metallic Tubing <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.38 3.11 3.11	4.15
26 05 33 13-2407 Coupling (26 05 33 13-2398)		
26 05 33 13-2408 EA 1/2" Quick Connect Coupling For Blue ENT Electrical Non-Metallic Tubing <i>For Work In Restricted Working Space, Add</i>	8.67 2.49	3.32
26 05 33 13-2409 EA 3/4" Quick Connect Coupling For Blue ENT Electrical Non-Metallic Tubing <i>For Work In Restricted Working Space, Add</i>	9.82 2.80	3.74
26 05 33 13-2410 EA 1" Quick Connect Coupling For Blue ENT Electrical Non-Metallic Tubing <i>For Work In Restricted Working Space, Add</i>	11.10 3.11	4.15

26 Electrical**26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33	13-2411		Conduit Bodies <small>(26 05 33 13-0040)</small>		
26 05 33	13-2412		Threaded, Cast Aluminum Conduit Body <small>(26 05 33 13-2411)</small>		
26 05 33	13-2413		Type LB, Threaded, Two Hub Cast Aluminum Conduit Body <small>(26 05 33 13-2412)</small>		
26 05 33	13-2414	EA	1/2" Type LB, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	52.53	18.22
			For Mogul LB, Add	2.97	
			For Work In Restricted Working Space, Add	13.66	
			For Installation Above 14', Add	6.83	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	13.66	
26 05 33	13-2415	EA	3/4" Type LB, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	61.68	20.87
			For Mogul LB, Add	4.52	
			For Work In Restricted Working Space, Add	15.65	
			For Installation Above 14', Add	7.83	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	15.65	
26 05 33	13-2416	EA	1" Type LB, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	74.24	24.28
			For Mogul LB, Add	7.12	
			For Work In Restricted Working Space, Add	18.21	
			For Installation Above 14', Add	9.11	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	18.21	
26 05 33	13-2417	EA	1-1/4" Type LB, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	89.46	27.70
			For Mogul LB, Add	11.70	
			For Work In Restricted Working Space, Add	20.77	
			For Installation Above 14', Add	10.39	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	20.77	
26 05 33	13-2418	EA	1-1/2" Type LB, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	101.97	30.35
			For Mogul LB, Add	15.77	
			For Work In Restricted Working Space, Add	22.77	
			For Installation Above 14', Add	11.38	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	22.77	
26 05 33	13-2419	EA	2" Type LB, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	133.20	36.42
			For Mogul LB, Add	27.04	
			For Work In Restricted Working Space, Add	27.32	
			For Installation Above 14', Add	13.66	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	27.32	
26 05 33	13-2420	EA	2-1/2" Type LB, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	221.29	51.23
			For Mogul LB, Add	63.53	
			For Work In Restricted Working Space, Add	38.42	
			For Installation Above 14', Add	19.21	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	38.42	
26 05 33	13-2421	EA	3" Type LB, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	291.13	68.30
			For Mogul LB, Add	81.76	
			For Work In Restricted Working Space, Add	51.22	
			For Installation Above 14', Add	25.61	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	51.22	
26 05 33	13-2422	EA	3-1/2" Type LB, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	385.61	85.38
			For Mogul LB, Add	118.46	
			For Work In Restricted Working Space, Add	64.03	
			For Installation Above 14', Add	32.01	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	64.03	
26 05 33	13-2423	EA	4" Type LB, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	499.16	103.96
			For Mogul LB, Add	166.44	
			For Work In Restricted Working Space, Add	77.97	
			For Installation Above 14', Add	38.99	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	77.97	
26 05 33	13-2424		Type LL Or LR, Threaded, Two Hub Cast Aluminum Conduit Body With Cover <small>(26 05 33 13-2412)</small>		
26 05 33	13-2425	EA	1/2" Type LL Or LR, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	53.39	18.22
			For Mogul LB, Add	3.62	
			For Work In Restricted Working Space, Add	13.66	
			For Installation Above 14', Add	6.83	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	13.66	
26 05 33	13-2426	EA	3/4" Type LL Or LR, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	62.51	20.87
			For Mogul LB, Add	5.15	
			For Work In Restricted Working Space, Add	15.65	
			For Installation Above 14', Add	7.83	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	15.65	
26 05 33	13-2427	EA	1" Type LL Or LR, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	75.91	24.28
			For Mogul LB, Add	8.37	
			For Work In Restricted Working Space, Add	18.21	
			For Installation Above 14', Add	9.11	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	18.21	
26 05 33	13-2428	EA	1-1/4" Type LL Or LR, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	91.50	27.70
			For Mogul LB, Add	13.23	
			For Work In Restricted Working Space, Add	20.77	
			For Installation Above 14', Add	10.39	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	20.77	
26 05 33	13-2429	EA	1-1/2" Type LL Or LR, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	105.44	30.35
			For Mogul LB, Add	18.37	
			For Work In Restricted Working Space, Add	22.77	
			For Installation Above 14', Add	11.38	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	22.77	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2430 EA 2" Type LL Or LR, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	140.65	36.42
For Mogul LB, Add	32.63	
For Work In Restricted Working Space, Add	27.32	
For Installation Above 14', Add	13.66	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	27.32	
26 05 33 13-2431 EA 2-1/2" Type LL Or LR, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	217.53	51.23
For Mogul LB, Add	60.71	
For Work In Restricted Working Space, Add	38.42	
For Installation Above 14', Add	19.21	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	38.42	
26 05 33 13-2432 EA 3" Type LL Or LR, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	278.49	68.30
For Mogul LB, Add	72.28	
For Work In Restricted Working Space, Add	51.22	
For Installation Above 14', Add	25.61	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	51.22	
26 05 33 13-2433 EA 3-1/2" Type LL Or LR, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	396.38	85.38
For Mogul LB, Add	126.54	
For Work In Restricted Working Space, Add	64.03	
For Installation Above 14', Add	32.01	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	64.03	
26 05 33 13-2434 EA 4" Type LL Or LR, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	521.18	103.96
For Mogul LB, Add	182.96	
For Work In Restricted Working Space, Add	77.97	
For Installation Above 14', Add	38.99	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	77.97	
26 05 33 13-2435 Type T, Threaded, Three Hub Cast Aluminum Conduit Body With Cover <small>(26 05 33 13-2412)</small>		
26 05 33 13-2436 EA 1/2" Type T, Threaded, Three Hub Cast Aluminum Conduit Body With Cover	61.46	20.87
For Work In Restricted Working Space, Add	15.65	
For Installation Above 14', Add	7.83	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	15.65	
26 05 33 13-2437 EA 3/4" Type T, Threaded, Three Hub Cast Aluminum Conduit Body With Cover	72.66	24.28
For Work In Restricted Working Space, Add	18.21	
For Installation Above 14', Add	9.11	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	18.21	
26 05 33 13-2438 EA 1" Type T, Threaded, Three Hub Cast Aluminum Conduit Body With Cover	83.32	26.56
For Work In Restricted Working Space, Add	19.92	
For Installation Above 14', Add	9.96	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	19.92	
26 05 33 13-2439 EA 1-1/4" Type T, Threaded, Three Hub Cast Aluminum Conduit Body With Cover	101.54	30.35
For Work In Restricted Working Space, Add	22.77	
For Installation Above 14', Add	11.38	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	22.77	
26 05 33 13-2440 EA 1-1/2" Type T, Threaded, Three Hub Cast Aluminum Conduit Body With Cover	116.80	33.39
For Work In Restricted Working Space, Add	25.04	
For Installation Above 14', Add	12.52	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	25.04	
26 05 33 13-2441 EA 2" Type T, Threaded, Three Hub Cast Aluminum Conduit Body With Cover	154.71	39.08
For Work In Restricted Working Space, Add	29.31	
For Installation Above 14', Add	14.66	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	29.31	
26 05 33 13-2442 EA 2-1/2" Type T, Threaded, Three Hub Cast Aluminum Conduit Body With Cover	243.01	56.92
For Work In Restricted Working Space, Add	42.68	
For Installation Above 14', Add	21.34	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	42.68	
26 05 33 13-2443 EA 3" Type T, Threaded, Three Hub Cast Aluminum Conduit Body With Cover	314.10	73.99
For Work In Restricted Working Space, Add	55.49	
For Installation Above 14', Add	27.75	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	55.49	
26 05 33 13-2444 EA 3-1/2" Type T, Threaded, Three Hub Cast Aluminum Conduit Body With Cover	495.85	91.07
For Work In Restricted Working Space, Add	68.30	
For Installation Above 14', Add	34.15	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	68.30	
26 05 33 13-2445 EA 4" Type T, Threaded, Three Hub Cast Aluminum Conduit Body With Cover	569.42	109.66
For Work In Restricted Working Space, Add	82.24	
For Installation Above 14', Add	41.12	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	82.24	
26 05 33 13-2446 Type C, Threaded, Two Hub Cast Aluminum Conduit Body With Cover <small>(26 05 33 13-2412)</small>		
26 05 33 13-2447 EA 1/2" Type C, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	53.56	18.22
For Work In Restricted Working Space, Add	13.66	
For Installation Above 14', Add	6.83	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	13.66	
26 05 33 13-2448 EA 3/4" Type C, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	61.92	20.87
For Work In Restricted Working Space, Add	15.65	
For Installation Above 14', Add	7.83	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	15.65	
26 05 33 13-2449 EA 1" Type C, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	74.29	23.91
For Work In Restricted Working Space, Add	17.93	
For Installation Above 14', Add	8.96	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	17.93	

26 Electrical**26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2450 EA 1-1/4" Type C, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	90.68	27.70
For Work In Restricted Working Space, Add	20.77	
For Installation Above 14', Add	10.39	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	20.77	
26 05 33 13-2451 EA 1-1/2" Type C, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	101.40	30.35
For Work In Restricted Working Space, Add	22.77	
For Installation Above 14', Add	11.38	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	22.77	
26 05 33 13-2452 EA 2" Type C, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	133.26	36.42
For Work In Restricted Working Space, Add	27.32	
For Installation Above 14', Add	13.66	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	27.32	
26 05 33 13-2453 EA 2-1/2" Type C, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	214.37	51.23
For Work In Restricted Working Space, Add	38.42	
For Installation Above 14', Add	19.21	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	38.42	
26 05 33 13-2454 EA 3" Type C, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	276.47	68.30
For Work In Restricted Working Space, Add	51.22	
For Installation Above 14', Add	25.61	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	51.22	
26 05 33 13-2455 EA 3-1/2" Type C, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	389.90	85.38
For Work In Restricted Working Space, Add	64.03	
For Installation Above 14', Add	32.01	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	64.03	
26 05 33 13-2456 EA 4" Type C, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	501.18	103.96
For Work In Restricted Working Space, Add	77.97	
For Installation Above 14', Add	38.99	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	77.97	
26 05 33 13-2457 Type X, Threaded, Four Hub Cast Aluminum Conduit Body With Cover <small>(26 05 33 13-2412)</small>		
26 05 33 13-2458 EA 1/2" Type X, Threaded, Four Hub Cast Aluminum Conduit Body With Cover	71.16	23.91
For Work In Restricted Working Space, Add	17.93	
For Installation Above 14', Add	8.96	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	17.93	
26 05 33 13-2459 EA 3/4" Type X, Threaded, Four Hub Cast Aluminum Conduit Body With Cover	81.82	26.56
For Work In Restricted Working Space, Add	19.92	
For Installation Above 14', Add	9.96	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	19.92	
26 05 33 13-2460 EA 1" Type X, Threaded, Four Hub Cast Aluminum Conduit Body With Cover	99.12	29.22
For Work In Restricted Working Space, Add	21.91	
For Installation Above 14', Add	10.96	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	21.91	
26 05 33 13-2461 EA 1-1/4" Type X, Threaded, Four Hub Cast Aluminum Conduit Body With Cover	114.18	33.39
For Work In Restricted Working Space, Add	25.04	
For Installation Above 14', Add	12.52	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	25.04	
26 05 33 13-2462 EA 1-1/2" Type X, Threaded, Four Hub Cast Aluminum Conduit Body With Cover	144.86	36.42
For Work In Restricted Working Space, Add	27.32	
For Installation Above 14', Add	13.66	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	27.32	
26 05 33 13-2463 EA 2" Type X, Threaded, Four Hub Cast Aluminum Conduit Body With Cover	175.36	44.77
For Work In Restricted Working Space, Add	33.58	
For Installation Above 14', Add	16.79	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	33.58	
26 05 33 13-2464 EA 2-1/2" Type X, Threaded, Four Hub Cast Aluminum Conduit Body With Cover	321.49	65.64
For Work In Restricted Working Space, Add	49.23	
For Installation Above 14', Add	24.62	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	49.23	
26 05 33 13-2465 EA 3" Type X, Threaded, Four Hub Cast Aluminum Conduit Body With Cover	397.80	85.38
For Work In Restricted Working Space, Add	64.03	
For Installation Above 14', Add	32.01	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	64.03	
26 05 33 13-2466 EA 3-1/2" Type X, Threaded, Four Hub Cast Aluminum Conduit Body With Cover	562.96	105.48
For Work In Restricted Working Space, Add	79.68	
For Installation Above 14', Add	39.84	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	79.68	
26 05 33 13-2467 EA 4" Type X, Threaded, Four Hub Cast Aluminum Conduit Body With Cover	679.57	126.73
For Work In Restricted Working Space, Add	95.05	
For Installation Above 14', Add	47.52	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	95.05	
26 05 33 13-2468 Threaded, Malleable Iron Conduit Body <small>(26 05 33 13-2411)</small>		
26 05 33 13-2469 Type LB, Threaded, Two Hub Malleable Iron Conduit Body With Cover <small>(26 05 33 13-2468)</small>		
26 05 33 13-2470 EA 1/2" Type LB, Threaded, Two Hub Malleable Iron Conduit Body With Cover	54.92	18.22
For Work In Restricted Working Space, Add	13.66	
For Installation Above 14', Add	6.83	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	13.66	
26 05 33 13-2471 EA 3/4" Type LB, Threaded, Two Hub Malleable Iron Conduit Body With Cover	63.68	20.87
For Work In Restricted Working Space, Add	15.65	
For Installation Above 14', Add	7.83	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	15.65	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2472 EA 1" Type LB, Threaded, Two Hub Malleable Iron Conduit Body With Cover.....	77.85	24.28
<i>For Work In Restricted Working Space, Add</i>	18.21	
<i>For Installation Above 14', Add</i>	9.11	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18.21	
26 05 33 13-2473 EA 1-1/4" Type LB, Threaded, Two Hub Malleable Iron Conduit Body With Cover.....	100.01	27.70
<i>For Work In Restricted Working Space, Add</i>	20.77	
<i>For Installation Above 14', Add</i>	10.39	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20.77	
26 05 33 13-2474 EA 1-1/2" Type LB, Threaded, Two Hub Malleable Iron Conduit Body With Cover.....	113.63	30.35
<i>For Work In Restricted Working Space, Add</i>	22.77	
<i>For Installation Above 14', Add</i>	11.38	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	22.77	
26 05 33 13-2475 EA 2" Type LB, Threaded, Two Hub Malleable Iron Conduit Body With Cover.....	154.24	36.42
<i>For Work In Restricted Working Space, Add</i>	27.32	
<i>For Installation Above 14', Add</i>	13.66	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	27.32	
26 05 33 13-2476 EA 2-1/2" Type LB, Threaded, Two Hub Malleable Iron Conduit Body With Cover.....	257.36	51.23
<i>For Work In Restricted Working Space, Add</i>	38.42	
<i>For Installation Above 14', Add</i>	19.21	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	38.42	
26 05 33 13-2477 EA 3" Type LB, Threaded, Two Hub Malleable Iron Conduit Body With Cover.....	363.63	68.30
<i>For Work In Restricted Working Space, Add</i>	51.23	
<i>For Installation Above 14', Add</i>	25.61	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	51.23	
26 05 33 13-2478 EA 3-1/2" Type LB, Threaded, Two Hub Malleable Iron Conduit Body With Cover.....	498.98	85.38
<i>For Work In Restricted Working Space, Add</i>	64.03	
<i>For Installation Above 14', Add</i>	32.01	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	64.03	
26 05 33 13-2479 EA 4" Type LB, Threaded, Two Hub Malleable Iron Conduit Body With Cover.....	597.58	103.96
<i>For Work In Restricted Working Space, Add</i>	77.97	
<i>For Installation Above 14', Add</i>	38.99	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	77.97	
26 05 33 13-2480 Type LL Or LR, Threaded, Two Hub Malleable Iron Conduit Body With Cover		
<small>(26 05 33 13-2468)</small>		
26 05 33 13-2481 EA 1/2" Type LL Or LR, Threaded, Two Hub Malleable Iron Conduit Body With Cover.....	57.09	18.22
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.66	
26 05 33 13-2482 EA 3/4" Type LL Or LR, Threaded, Two Hub Malleable Iron Conduit Body With Cover.....	64.32	20.87
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15.65	
26 05 33 13-2483 EA 1" Type LL Or LR, Threaded, Two Hub Malleable Iron Conduit Body With Cover.....	81.17	24.28
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18.21	
26 05 33 13-2484 EA 1-1/4" Type LL Or LR, Threaded, Two Hub Malleable Iron Conduit Body With Cover.....	102.23	27.70
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20.77	
26 05 33 13-2485 EA 1-1/2" Type LL Or LR, Threaded, Two Hub Malleable Iron Conduit Body With Cover.....	116.35	30.35
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	22.77	
26 05 33 13-2486 EA 2" Type LL Or LR, Threaded, Two Hub Malleable Iron Conduit Body With Cover.....	148.66	36.42
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	27.32	
26 05 33 13-2487 EA 2-1/2" Type LL Or LR, Threaded, Two Hub Malleable Iron Conduit Body With Cover.....	226.35	51.23
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	38.42	
26 05 33 13-2488 EA 3" Type LL Or LR, Threaded, Two Hub Malleable Iron Conduit Body With Cover.....	307.88	68.30
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	51.23	
26 05 33 13-2489 EA 3-1/2" Type LL Or LR, Threaded, Two Hub Malleable Iron Conduit Body With Cover.....	531.81	85.38
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	64.03	
26 05 33 13-2490 EA 4" Type LL Or LR, Threaded, Two Hub Malleable Iron Conduit Body With Cover.....	621.79	103.96
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	77.97	
26 05 33 13-2491 Type T, Threaded, Three Hub Malleable Iron Conduit Body With Cover		
<small>(26 05 33 13-2468)</small>		
26 05 33 13-2492 EA 1/2" Type T, Threaded, Three Hub Malleable Iron Conduit Body With Cover.....	67.67	20.87
<i>For Work In Restricted Working Space, Add</i>	15.65	
<i>For Installation Above 14', Add</i>	7.83	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15.65	
26 05 33 13-2493 EA 3/4" Type T, Threaded, Three Hub Malleable Iron Conduit Body With Cover.....	79.79	24.28
<i>For Work In Restricted Working Space, Add</i>	18.50	
<i>For Installation Above 14', Add</i>	9.25	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18.50	
26 05 33 13-2494 EA 1" Type T, Threaded, Three Hub Malleable Iron Conduit Body With Cover.....	93.81	26.56
<i>For Work In Restricted Working Space, Add</i>	19.92	
<i>For Installation Above 14', Add</i>	9.96	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	19.92	
26 05 33 13-2495 EA 1-1/4" Type T, Threaded, Three Hub Malleable Iron Conduit Body With Cover.....	117.40	30.35
<i>For Work In Restricted Working Space, Add</i>	22.48	
<i>For Installation Above 14', Add</i>	11.24	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	22.48	
26 05 33 13-2496 EA 1-1/2" Type T, Threaded, Three Hub Malleable Iron Conduit Body With Cover.....	134.51	33.39
<i>For Work In Restricted Working Space, Add</i>	25.04	
<i>For Installation Above 14', Add</i>	12.52	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	25.04	
26 05 33 13-2497 EA 2" Type T, Threaded, Three Hub Malleable Iron Conduit Body With Cover.....	177.66	39.08
<i>For Work In Restricted Working Space, Add</i>	29.31	
<i>For Installation Above 14', Add</i>	14.66	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	29.31	

26 Electrical**26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2498 EA 2-1/2" Type T, Threaded, Three Hub Malleable Iron Conduit Body With Cover.....	226.17	56.92
<i>For Work In Restricted Working Space, Add</i>	42.68	
<i>For Installation Above 14', Add</i>	21.34	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	42.68	
26 05 33 13-2499 EA 3" Type T, Threaded, Three Hub Malleable Iron Conduit Body With Cover.....	324.38	73.99
<i>For Work In Restricted Working Space, Add</i>	55.49	
<i>For Installation Above 14', Add</i>	27.75	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	55.49	
26 05 33 13-2500 EA 3-1/2" Type T, Threaded, Three Hub Malleable Iron Conduit Body With Cover.....	561.21	91.07
<i>For Work In Restricted Working Space, Add</i>	68.30	
<i>For Installation Above 14', Add</i>	34.15	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	68.30	
26 05 33 13-2501 EA 4" Type T, Threaded, Three Hub Malleable Iron Conduit Body With Cover.....	650.07	109.66
<i>For Work In Restricted Working Space, Add</i>	82.52	
<i>For Installation Above 14', Add</i>	41.26	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	82.52	
26 05 33 13-2502 Type C, Threaded, Two Hub Malleable Iron Conduit Body With Cover <small>(26 05 33 13-2498)</small>		
26 05 33 13-2503 EA 1/2" Type C, Threaded, Two Hub Malleable Iron Conduit Body With Cover.....	55.08	18.22
<i>For Work In Restricted Working Space, Add</i>	13.66	
<i>For Installation Above 14', Add</i>	6.83	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.66	
26 05 33 13-2504 EA 3/4" Type C, Threaded, Two Hub Malleable Iron Conduit Body With Cover.....	66.50	20.87
<i>For Work In Restricted Working Space, Add</i>	15.65	
<i>For Installation Above 14', Add</i>	7.83	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15.65	
26 05 33 13-2505 EA 1" Type C, Threaded, Two Hub Malleable Iron Conduit Body With Cover.....	77.69	23.91
<i>For Work In Restricted Working Space, Add</i>	17.93	
<i>For Installation Above 14', Add</i>	8.96	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17.93	
26 05 33 13-2506 EA 1-1/4" Type C, Threaded, Two Hub Malleable Iron Conduit Body With Cover.....	104.11	27.70
<i>For Work In Restricted Working Space, Add</i>	20.78	
<i>For Installation Above 14', Add</i>	10.39	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20.78	
26 05 33 13-2507 EA 1-1/2" Type C, Threaded, Two Hub Malleable Iron Conduit Body With Cover.....	121.31	30.35
<i>For Work In Restricted Working Space, Add</i>	22.77	
<i>For Installation Above 14', Add</i>	11.38	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	22.77	
26 05 33 13-2508 EA 2" Type C, Threaded, Two Hub Malleable Iron Conduit Body With Cover.....	156.43	36.42
<i>For Work In Restricted Working Space, Add</i>	27.32	
<i>For Installation Above 14', Add</i>	13.66	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	27.32	
26 05 33 13-2509 EA 2-1/2" Type C, Threaded, Two Hub Malleable Iron Conduit Body With Cover.....	352.46	96.09
<i>For Work In Restricted Working Space, Add</i>	72.04	
<i>For Installation Above 14', Add</i>	36.02	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	72.04	
26 05 33 13-2510 EA 3" Type C, Threaded, Two Hub Malleable Iron Conduit Body With Cover.....	331.30	68.30
<i>For Work In Restricted Working Space, Add</i>	51.23	
<i>For Installation Above 14', Add</i>	25.61	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	51.23	
26 05 33 13-2511 EA 3-1/2" Type C, Threaded, Two Hub Malleable Iron Conduit Body With Cover.....	531.81	85.38
<i>For Work In Restricted Working Space, Add</i>	64.03	
<i>For Installation Above 14', Add</i>	32.01	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	64.03	
26 05 33 13-2512 EA 4" Type C, Threaded, Two Hub Malleable Iron Conduit Body With Cover.....	621.77	103.96
<i>For Work In Restricted Working Space, Add</i>	77.97	
<i>For Installation Above 14', Add</i>	38.98	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	77.97	
26 05 33 13-2513 Type X, Threaded, Four Hub Malleable Iron Conduit Body With Cover <small>(26 05 33 13-2498)</small>		
26 05 33 13-2514 EA 1/2" Type X, Threaded, Four Hub Malleable Iron Conduit Body With Cover.....	76.94	23.91
<i>For Work In Restricted Working Space, Add</i>	17.93	
<i>For Installation Above 14', Add</i>	8.96	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17.93	
26 05 33 13-2515 EA 3/4" Type X, Threaded, Four Hub Malleable Iron Conduit Body With Cover.....	84.22	26.56
<i>For Work In Restricted Working Space, Add</i>	19.92	
<i>For Installation Above 14', Add</i>	9.96	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	19.92	
26 05 33 13-2516 EA 1" Type X, Threaded, Four Hub Malleable Iron Conduit Body With Cover.....	97.50	29.22
<i>For Work In Restricted Working Space, Add</i>	21.91	
<i>For Installation Above 14', Add</i>	10.96	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	21.91	
26 05 33 13-2517 EA 1-1/4" Type X, Threaded, Four Hub Malleable Iron Conduit Body With Cover.....	115.76	33.39
<i>For Work In Restricted Working Space, Add</i>	25.04	
<i>For Installation Above 14', Add</i>	12.52	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	25.04	
26 05 33 13-2518 EA 1-1/2" Type X, Threaded, Four Hub Malleable Iron Conduit Body With Cover.....	133.21	36.42
<i>For Work In Restricted Working Space, Add</i>	27.32	
<i>For Installation Above 14', Add</i>	13.66	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	27.32	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2519 EA 2" Type X, Threaded, Four Hub Malleable Iron Conduit Body With Cover <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	185.29 33.58 16.79 33.58	44.77
26 05 33 13-2520 EA 2-1/2" Type X, Threaded, Four Hub Malleable Iron Conduit Body With Cover <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	295.08 49.23 24.62 49.23	65.64
26 05 33 13-2521 EA 3" Type X, Threaded, Four Hub Malleable Iron Conduit Body With Cover <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	431.08 64.03 32.01 64.03	85.38
26 05 33 13-2522 EA 3-1/2" Type X, Threaded, Four Hub Malleable Iron Conduit Body With Cover <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	640.07 79.11 39.56 79.11	105.48
26 05 33 13-2523 EA 4" Type X, Threaded, Four Hub Malleable Iron Conduit Body With Cover <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	716.43 95.05 47.52 95.05	126.73
26 05 33 13-2524 Set Screw, Cast Aluminum Conduit Body <small>(26 05 33 13-2411)</small>		
26 05 33 13-2525 Type LB, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover <small>(26 05 33 13-2524)</small>		
26 05 33 13-2526 EA 1/2" Type LB, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	26.18 5.41 2.70 5.41	7.20
26 05 33 13-2527 EA 3/4" Type LB, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	33.51 7.12 3.56 7.12	9.49
26 05 33 13-2528 EA 1" Type LB, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	45.22 8.82 4.41 8.82	11.76
26 05 33 13-2529 EA 1-1/4" Type LB, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	58.53 10.81 5.41 10.81	14.42
26 05 33 13-2530 EA 1-1/2" Type LB, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	76.72 12.52 6.26 12.52	16.69
26 05 33 13-2531 EA 2" Type LB, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	101.27 14.23 7.11 14.23	18.97
26 05 33 13-2532 Type LL Or LR, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover <small>(26 05 33 13-2524)</small>		
26 05 33 13-2533 EA 1/2" Type LL Or LR, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	26.40 5.41 2.70 5.41	7.20
26 05 33 13-2534 EA 3/4" Type LL Or LR, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	34.38 7.12 3.56 7.12	9.49
26 05 33 13-2535 EA 1" Type LL Or LR, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	42.23 8.82 4.41 8.82	11.76
26 05 33 13-2536 EA 1-1/4" Type LL Or LR, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	58.28 10.81 5.41 10.81	14.42
26 05 33 13-2537 EA 1-1/2" Type LL Or LR, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	71.75 12.52 6.26 12.52	16.69
26 05 33 13-2538 EA 2" Type LL Or LR, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	100.84 14.23 7.11 14.23	18.97
26 05 33 13-2539 Type T, Set Screw, Three Hub Cast Aluminum Conduit Body With Cover <small>(26 05 33 13-2524)</small>		
26 05 33 13-2540 EA 1/2" Type T, Set Screw, Three Hub Cast Aluminum Conduit Body With Cover <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	33.98 7.12 3.56 7.12	9.49

26 Electrical**26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33	13-2541	EA	3/4" Type T, Set Screw, Three Hub Cast Aluminum Conduit Body With Cover <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	44.20 8.82 4.41 8.82	11.76
26 05 33	13-2542	EA	1" Type T, Set Screw, Three Hub Cast Aluminum Conduit Body With Cover <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	53.32 10.81 5.41 10.81	14.42
26 05 33	13-2543	EA	1-1/4" Type T, Set Screw, Three Hub Cast Aluminum Conduit Body With Cover <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	73.47 13.09 6.54 13.09	16.69
26 05 33	13-2544	EA	1-1/2" Type T, Set Screw, Three Hub Cast Aluminum Conduit Body With Cover <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	94.00 15.37 7.68 15.37	18.97
26 05 33	13-2545	EA	2" Type T, Set Screw, Three Hub Cast Aluminum Conduit Body With Cover <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	126.02 17.64 8.82 17.64	21.24
26 05 33 13-2546 Type C, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover <small>(26 05 33 13-2524)</small>					
26 05 33	13-2547	EA	1/2" Type C, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	27.13 5.41 2.70 5.41	7.20
26 05 33	13-2548	EA	3/4" Type C, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	36.28 7.12 3.56 7.12	9.49
26 05 33	13-2549	EA	1" Type C, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	46.31 8.82 4.41 8.82	11.76
26 05 33	13-2550	EA	1-1/4" Type C, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	59.83 10.81 5.41 10.81	14.42
26 05 33	13-2551	EA	1-1/2" Type C, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	44.32 12.52 6.26 12.52	16.69
26 05 33	13-2552	EA	2" Type C, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	109.15 14.23 7.11 14.23	18.97
26 05 33 13-2553 Aluminum Type LB Telecommunications Conduit Bodies With Cover (Smart Pathways) <small>(26 05 33 13-2411)</small>					
26 05 33	13-2554	EA	3/4" To 1-1/4" Aluminum Type LB Telecommunications Conduit Body With Cover (Smart Pathways KBLB120) <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	102.57 15.60	20.77
26 05 33	13-2555	EA	1-1/2" To 2-1/2" Aluminum Type LB Telecommunications Conduit Body With Cover (Smart Pathways KBLB250) <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	344.78 28.83	38.42
26 05 33	13-2556	EA	3" To 4" Aluminum Type LB Telecommunications Conduit Body With Cover (Smart Pathways KBLB400) <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	667.17 58.48	77.97
26 05 33 13-2557 Replacement Covers And Gaskets For Conduit Body <small>(26 05 33 13-2411)</small>					
26 05 33 13-2558 Replacement Stamped Aluminum Conduit Body Cover <small>(26 05 33 13-2557)</small>					
26 05 33	13-2559	EA	1/2" Replacement Stamped Aluminum Conduit Body Cover <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.69 11.84	3.70
26 05 33	13-2560	EA	3/4" Replacement Stamped Aluminum Conduit Body Cover <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.84 15.17	4.32
26 05 33	13-2561	EA	1" Replacement Stamped Aluminum Conduit Body Cover <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15.17 18.47	5.55
26 05 33	13-2562	EA	1-1/4" Replacement Stamped Aluminum Conduit Body Cover <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18.47 22.67	6.78
26 05 33	13-2563	EA	1-1/2" Replacement Stamped Aluminum Conduit Body Cover <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	22.67 26.86	8.02
26 05 33	13-2564	EA	2" Replacement Stamped Aluminum Conduit Body Cover <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	26.86 35.42	9.25
26 05 33	13-2565	EA	2-1/2" Replacement Stamped Aluminum Conduit Body Cover <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	35.42 45.91	10.48
26 05 33	13-2566	EA	3" Replacement Stamped Aluminum Conduit Body Cover <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	45.91 49.85	14.80
26 05 33	13-2567	EA	3-1/2" Replacement Stamped Aluminum Conduit Body Cover <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	49.85 62.81	16.64
26 05 33	13-2568	EA	4" Replacement Stamped Aluminum Conduit Body Cover <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	62.81	20.96
26 05 33 13-2569 Replacement Cast Steel Conduit Body Cover <small>(26 05 33 13-2557)</small>					
26 05 33	13-2570	EA	1/2" Replacement Cast Steel Conduit Body Cover <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.26 13.20	3.70
26 05 33	13-2571	EA	3/4" Replacement Cast Steel Conduit Body Cover <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.20 18.53	4.32
26 05 33	13-2572	EA	1" Replacement Cast Steel Conduit Body Cover <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18.53 23.02	5.55
26 05 33	13-2573	EA	1-1/4" Replacement Cast Steel Conduit Body Cover <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	23.02 27.97	6.78
26 05 33	13-2574	EA	1-1/2" Replacement Cast Steel Conduit Body Cover <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	27.97 32.92	8.02
26 05 33	13-2575	EA	2" Replacement Cast Steel Conduit Body Cover <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	32.92 37.83	9.25
26 05 33	13-2576	EA	2-1/2" Replacement Cast Steel Conduit Body Cover <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	37.83 51.59	10.48
26 05 33	13-2577	EA	3" Replacement Cast Steel Conduit Body Cover <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	51.59	14.80



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2578 EA 3-1/2" Replacement Cast Steel Conduit Body Cover.....	58.81	16.64
26 05 33 13-2579 EA 4" Replacement Cast Steel Conduit Body Cover.....	74.14	20.96
26 05 33 13-2580 Replacement Velbuna Composition Conduit Body Gasket (26 05 33 13-2557)		
26 05 33 13-2581 EA 1/2" Replacement Velbuna Composition Conduit Body Gasket.....	8.99	3.70
26 05 33 13-2582 EA 3/4" Replacement Velbuna Composition Conduit Body Gasket.....	10.27	4.32
26 05 33 13-2583 EA 1" Replacement Velbuna Composition Conduit Body Gasket.....	13.42	5.55
26 05 33 13-2584 EA 1-1/4" Replacement Velbuna Composition Conduit Body Gasket.....	17.42	6.78
26 05 33 13-2585 EA 1-1/2" Replacement Velbuna Composition Conduit Body Gasket.....	19.88	8.02
26 05 33 13-2586 EA 2" Replacement Velbuna Composition Conduit Body Gasket.....	23.64	9.25
26 05 33 13-2587 EA 2-1/2" Replacement Velbuna Composition Conduit Body Gasket.....	31.01	10.48
26 05 33 13-2588 EA 3" Replacement Velbuna Composition Conduit Body Gasket.....	40.40	14.80
26 05 33 13-2589 EA 3-1/2" Replacement Velbuna Composition Conduit Body Gasket.....	44.64	16.64
26 05 33 13-2590 EA 4" Replacement Velbuna Composition Conduit Body Gasket.....	53.18	20.96
26 05 33 13-2591 Replacement Neoprene Conduit Body Gasket (26 05 33 13-2557)		
26 05 33 13-2592 EA 1/2" Replacement Neoprene Conduit Body Gasket.....	10.08	3.70
26 05 33 13-2593 EA 3/4" Replacement Neoprene Conduit Body Gasket.....	11.31	4.32
26 05 33 13-2594 EA 1" Replacement Neoprene Conduit Body Gasket.....	14.78	5.55
26 05 33 13-2595 EA 1-1/4" Replacement Neoprene Conduit Body Gasket.....	18.11	6.78
26 05 33 13-2596 EA 1-1/2" Replacement Neoprene Conduit Body Gasket.....	20.57	8.02
26 05 33 13-2597 EA 2" Replacement Neoprene Conduit Body Gasket.....	23.71	9.25
26 05 33 13-2598 EA 2-1/2" Replacement Neoprene Conduit Body Gasket.....	31.18	10.48
26 05 33 13-2599 EA 3" Replacement Neoprene Conduit Body Gasket.....	40.57	14.80
26 05 33 13-2600 EA 3-1/2" Replacement Neoprene Conduit Body Gasket.....	45.79	16.64
26 05 33 13-2601 EA 4" Replacement Neoprene Conduit Body Gasket.....	54.33	20.96
26 05 33 16 Boxes For Electrical Systems (26 05 33)		
See CSI section 26 27 16 00-0000 for larger junction boxes and enclosures.		
26 05 33 16-0001 Steel Junction, Device, And Fixture Boxes, Rings And Covers (26 05 33 16)		
Note: Thin wall metal. See CSI section 26 27 26 00-0003 for steel box/receptacle assemblies, 26 27 26 00-0131 for steel box/switch assemblies.		
26 05 33 16-0002 4" Square Steel Boxes, Rings And Covers (26 05 33 16-0001)		
26 05 33 16-0003 EA 1-1/2" Depth, 4" Square Steel Box.....	33.02	15.57
For Stud Bracket, Add		0.46
26 05 33 16-0004 EA 2-1/8" Depth, 4" Square Steel Box.....	33.87	15.57
For Stud Bracket, Add		0.83
26 05 33 16-0005 EA 3-1/2" Depth, 4" Square Steel Box.....	36.82	15.57
For Stud Bracket, Add		0.91
26 05 33 16-0006 EA 1-1/2" Depth, 4" Square Steel Extension Ring.....	24.95	10.38
26 05 33 16-0007 EA 2-1/8" Depth, 4" Square Steel Extension Ring.....	21.97	10.38
26 05 33 16-0008 EA 1/2" Depth, 1 Gang, 4" Square Steel Mud Ring.....	11.28	5.19
26 05 33 16-0009 EA 5/8" Depth, 1 Gang, 4" Square Steel Mud Ring.....	11.42	5.19
26 05 33 16-0010 EA 3/4" Depth, 1 Gang, 4" Square Steel Mud Ring.....	11.52	5.19
26 05 33 16-0011 EA 1" Depth, 1 Gang, 4" Square Steel Mud Ring.....	11.83	5.19
26 05 33 16-0012 EA 1-1/4" Depth, 1 Gang, 4" Square Steel Mud Ring.....	11.93	5.19
26 05 33 16-0013 EA 1-1/2" Depth, 1 Gang, 4" Square Steel Mud Ring.....	12.95	5.19
26 05 33 16-0014 EA 1/2" Depth, 2 Gang, 4" Square Steel Mud Ring.....	11.67	5.19
26 05 33 16-0015 EA 5/8" Depth, 2 Gang, 4" Square Steel Mud Ring.....	11.76	5.19
26 05 33 16-0016 EA 3/4" Depth, 2 Gang, 4" Square Steel Mud Ring.....	11.89	5.19
26 05 33 16-0017 EA 1" Depth, 2 Gang, 4" Square Steel Mud Ring.....	12.93	5.19
26 05 33 16-0018 EA 1-1/4" Depth, 2 Gang, 4" Square Steel Mud Ring.....	13.14	5.19
26 05 33 16-0019 EA 1-1/2" Depth, 2 Gang, 4" Square Steel Mud Ring.....	14.47	5.19
26 05 33 16-0020 EA 3/4" Depth, Fixture Cover, 4" Square Mud Rings.....	12.17	5.19
26 05 33 16-0021 EA 1" Depth, Fixture Cover, 4" Square Mud Rings.....	13.02	5.19
26 05 33 16-0022 EA One Toggle Switch, 4" Square Steel Exposed Work Cover.....	11.65	5.19
26 05 33 16-0023 EA Two Toggle Switches, 4" Square Steel Exposed Work Cover.....	11.73	5.19
26 05 33 16-0024 EA One Duplex Receptacle, 4" Square Steel Exposed Work Cover.....	11.63	5.19
26 05 33 16-0025 EA Two Duplex Receptacles, 4" Square Steel Exposed Work Cover.....	11.86	5.19
26 05 33 16-0026 EA One Toggle Switch And One Duplex Receptacle, 4" Square Steel Exposed Work Cover.....	12.04	5.19
26 05 33 16-0027 EA One Toggle Switch And One 1.406" Diameter Receptacle, 4" Square Steel Exposed Work Cover.....	14.38	5.19
26 05 33 16-0028 EA One 1.406" Diameter Receptacle, 4" Square Steel Exposed Work Cover.....	12.01	5.19
26 05 33 16-0029 EA Two 1.406" Diameter Receptacles, 4" Square Steel Exposed Work Cover.....	14.38	5.19
26 05 33 16-0030 EA One 1.620" Diameter Receptacle, 4" Square Steel Exposed Work Cover.....	12.01	5.19
26 05 33 16-0031 EA One 1.719" Diameter Receptacle, 4" Square Steel Exposed Work Cover.....	12.56	5.19
26 05 33 16-0032 EA One 2.165" Diameter Receptacle, 4" Square Steel Exposed Work Cover.....	14.38	5.19
26 05 33 16-0033 EA One 2.480" Diameter Receptacle, 4" Square Steel Exposed Work Cover.....	14.38	5.19
26 05 33 16-0034 EA Flat, 4" Square Steel Exposed Work Cover.....	10.98	5.19
26 05 33 16-0035 4-11/16" Square Steel Boxes, Rings And Covers (26 05 33 16-0001)		
26 05 33 16-0036 EA 1-1/2" Depth, 4-11/16" Square Steel Box.....	36.19	15.57
26 05 33 16-0037 EA 2-1/8" Depth, 4-11/16" Square Steel Box.....	34.25	15.57
For Stud Bracket, Add		0.44
26 05 33 16-0038 EA 3-1/4" Depth, 4-11/16" Square Steel Box.....	43.99	15.57
26 05 33 16-0039 EA 1-1/2" Depth, 4-11/16" Square Extension Ring.....	25.76	10.38
26 05 33 16-0040 EA 2-1/8" Depth, 4-11/16" Square Extension Ring.....	26.23	10.38

26 Electrical
26 05 Common Work Results For Electrical
26 05 33 Raceway And Boxes For Electrical Systems



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 16-0041 EA 1/2" Depth, 1 Gang, 4-11/16" Square Steel Mud Ring.....	13.22	5.19
26 05 33 16-0042 EA 5/8" Depth, 1 Gang, 4-11/16" Square Steel Mud Ring.....	13.24	5.19
26 05 33 16-0043 EA 3/4" Depth, 1 Gang, 4-11/16" Square Steel Mud Ring.....	14.07	5.19
26 05 33 16-0044 EA 1" Depth, 1 Gang, 4-11/16" Square Steel Mud Ring.....	13.74	5.19
26 05 33 16-0045 EA 1-1/4" Depth, 1 Gang, 4-11/16" Square Steel Mud Ring.....	13.66	5.19
26 05 33 16-0046 EA 1-1/2" Depth, 1 Gang, 4-11/16" Square Steel Mud Ring.....	17.10	5.19
26 05 33 16-0047 EA 1/2" Depth, 2 Gang, 4-11/16" Square Steel Mud Ring.....	13.88	5.19
26 05 33 16-0048 EA 5/8" Depth, 2 Gang, 4-11/16" Square Steel Mud Ring.....	14.06	5.19
26 05 33 16-0049 EA 3/4" Depth, 2 Gang, 4-11/16" Square Steel Mud Ring.....	14.07	5.19
26 05 33 16-0050 EA 1" Depth, 2 Gang, 4-11/16" Square Steel Mud Ring.....	15.29	5.19
26 05 33 16-0051 EA 1-1/4" Depth, 2 Gang, 4-11/16" Square Steel Mud Ring.....	15.54	5.19
26 05 33 16-0052 EA 1-1/2" Depth, 2 Gang, 4-11/16" Square Steel Mud Ring.....	18.49	5.19
26 05 33 16-0053 EA 1/2" Depth, Fixture Cover, 4-11/16" Square Steel Mud Ring.....	13.72	5.19
26 05 33 16-0054 EA 5/8" Depth, Fixture Cover, 4-11/16" Square Steel Mud Ring.....	13.80	5.19
26 05 33 16-0055 EA One Toggle Switch, 4-11/16" Square Steel Exposed Work Cover.....	16.09	5.19
26 05 33 16-0056 EA Two Toggle Switches, 4-11/16" Square Steel Exposed Work Cover.....	16.73	5.19
26 05 33 16-0057 EA One Duplex Receptacle, 4-11/16" Square Steel Exposed Work Cover.....	15.90	5.19
26 05 33 16-0058 EA Two Duplex Receptacles, 4-11/16" Square Steel Exposed Work Cover.....	15.20	5.19
26 05 33 16-0059 EA One Toggle Switch And One Duplex Receptacle, 4-11/16" Square Steel Exposed Work Cover.....	17.53	5.19
26 05 33 16-0060 EA One 1.594" Diameter Receptacle, 4-11/16" Square Steel Exposed Work Cover.....	16.72	5.19
26 05 33 16-0061 EA One 2.141" Diameter Receptacle, 4-11/16" Square Steel Exposed Work Cover.....	16.72	5.19
26 05 33 16-0062 EA One 2.625" Diameter Receptacle, 4-11/16" Square Steel Exposed Work Cover.....	16.72	5.19
26 05 33 16-0063 EA Flat, 4-11/16" Square Steel Exposed Work Cover.....	11.51	5.19
26 05 33 16-0064 Steel Square Box Brackets (26 05 33 16-0001)		
26 05 33 16-0065 EA 16" Or 24" Width Box Bracket, For Multiple 1-1/2" And 2-1/8" Deep Boxes.....	16.46	7.79
26 05 33 16-0066 EA Single Box Bracket, One 4" Or 4-11/16" Square Box.....	11.73	5.20
26 05 33 16-0067 EA 16" Box Bracket, Up To Three 4" Or 4-11/16" Square Boxes.....	18.53	7.79
26 05 33 16-0068 EA 24" Box Bracket, Up To Four 4" Or 4-11/16" Square Boxes.....	19.59	7.79
26 05 33 16-0069 4" Octagon Steel Boxes And Covers (26 05 33 16-0001)		
26 05 33 16-0070 EA 1-1/2" Depth, 4" Steel Octagon Box.....	27.49	12.97
For Stud Bracket, Add	1.13	
26 05 33 16-0071 EA 2-1/8" Depth, 4" Steel Octagon Box.....	28.24	12.97
26 05 33 16-0072 EA Flat, 4" Octagon Steel Exposed Work Cover.....	10.93	5.19
26 05 33 16-0073 4" Steel Octagonal Concrete Rings And Steel Covers (26 05 33 16-0001)		
Note: Placed in concrete slabs or walls.		
26 05 33 16-0074 EA 2" Depth, 4" Steel Octagonal Concrete Ring.....	44.89	
26 05 33 16-0075 EA 2-1/2" Depth, 4" Steel Octagonal Concrete Ring.....	47.53	
26 05 33 16-0076 EA 3" Depth, 4" Steel Octagonal Concrete Ring.....	49.74	
26 05 33 16-0077 EA 3-1/2" Depth, 4" Steel Octagonal Concrete Ring.....	51.92	
26 05 33 16-0078 EA 4" Depth, 4" Steel Octagonal Concrete Ring.....	56.07	
26 05 33 16-0079 EA 5" Depth, 4" Steel Octagonal Concrete Ring.....	60.33	
26 05 33 16-0080 EA 6" Depth, 4" Steel Octagonal Concrete Ring.....	63.79	
26 05 33 16-0081 EA Flat, 4" Steel Octagonal Concrete Cover.....	11.97	5.19
26 05 33 16-0082 4-1/2" Steel Gang Boxes (26 05 33 16-0001)		
26 05 33 16-0083 EA 2 Device, 1-5/8" Depth, 4-1/2" Steel Gang Box.....	38.11	12.97
26 05 33 16-0084 EA 3 Device, 1-5/8" Depth, 4-1/2" Steel Gang Box.....	41.73	14.00
26 05 33 16-0085 EA 4 Device, 1-5/8" Depth, 4-1/2" Steel Gang Box.....	49.49	15.57
26 05 33 16-0086 EA 5 Device, 1-5/8" Depth, 4-1/2" Steel Gang Box.....	62.87	17.12
26 05 33 16-0087 EA 6 Device, 1-5/8" Depth, 4-1/2" Steel Gang Box.....	89.62	18.67
26 05 33 16-0088 EA 2 Device, 2-1/2" Depth, 4-1/2" Steel Gang Box.....	49.69	12.97
26 05 33 16-0089 EA 3 Device, 2-1/2" Depth, 4-1/2" Steel Gang Box.....	54.07	14.00
26 05 33 16-0090 EA 4 Device, 2-1/2" Depth, 4-1/2" Steel Gang Box.....	70.33	15.57
26 05 33 16-0091 EA 5 Device, 2-1/2" Depth, 4-1/2" Steel Gang Box.....	88.78	17.12
26 05 33 16-0092 EA 6 Device, 2-1/2" Depth, 4-1/2" Steel Gang Box.....	140.87	18.67
26 05 33 16-0093 EA 2 Device, Gang Box Mud Ring.....	16.40	5.19
26 05 33 16-0094 EA 3 Device, Gang Box Mud Ring.....	16.60	5.19
26 05 33 16-0095 EA 4 Device, Gang Box Mud Ring.....	18.83	5.19
26 05 33 16-0096 EA 5 Device, Gang Box Mud Ring.....	22.67	5.19
26 05 33 16-0097 EA 6 Device, Gang Box Mud Ring.....	31.09	5.19
26 05 33 16-0098 EA 2 Device, Gang Box Flat Cover.....	14.49	5.19
26 05 33 16-0099 EA 3 Device, Gang Box Flat Cover.....	16.58	5.19
26 05 33 16-0100 EA 4 Device, Gang Box Flat Cover.....	19.35	5.19
26 05 33 16-0101 EA 5 Device, Gang Box Flat Cover.....	22.88	5.19
26 05 33 16-0102 EA 6 Device, Gang Box Flat Cover.....	31.68	5.19
26 05 33 16-0103 Steel Switch Boxes (26 05 33 16-0001)		
26 05 33 16-0104 EA 2-1/2" Depth, 3" x 2", Stud Bracket, Steel Switch Box.....	28.93	12.97
26 05 33 16-0105 EA 2-3/4" Depth, 3" x 2", Stud Bracket, Steel Switch Box.....	29.25	12.97
26 05 33 16-0106 EA 3-1/2" Depth, 3" x 2", Stud Bracket, Steel Switch Box.....	30.93	12.97
26 05 33 16-0107 EA 2-1/2" Depth, 2 Device, Stud Bracket, Steel Box.....	34.68	12.97
26 05 33 16-0108 EA 2-1/2" Depth, 3 Device, Stud Bracket, Steel Box.....	35.01	12.97



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 16-0109 EA 2-1/2" Depth, 4 Device, Stud Bracket, Steel Box.....	40.10	12.97
26 05 33 16-0110 4" x 2" Steel Handy Boxes, Extension Rings And Covers <small>(26 05 33 16-0001)</small>		
26 05 33 16-0111 EA 1-1/2" Deep, 4" x 2" Steel Handy Box.....	27.40	12.97
<i>For Stud Bracket, Add</i>	<i>1.81</i>	
26 05 33 16-0112 EA 1-7/8" Deep, 4" x 2" Steel Handy Box.....	27.75	12.97
<i>For Stud Bracket, Add</i>	<i>0.78</i>	
26 05 33 16-0113 EA 2-1/8" Deep, 4" x 2" Steel Handy Box.....	28.52	12.97
<i>For Stud Bracket, Add</i>	<i>1.06</i>	
26 05 33 16-0114 EA 1-1/2" Deep, 4" x 2" Steel Handy Box Extension Ring.....	17.67	7.78
26 05 33 16-0115 EA 1-7/8" Deep, 4" x 2" Steel Handy Box Extension Ring.....	17.33	7.78
26 05 33 16-0116 EA GFI Receptacle, 2" x 4" Steel Handy Box Exposed Work Cover.....	5.95	2.59
26 05 33 16-0117 EA 1.406" Diameter Receptacle, 4" x 2" Steel Handy Box Exposed Work Cover.....	6.01	2.59
26 05 33 16-0118 EA Duplex Receptacle, 4" x 2" Steel Handy Box Exposed Work Cover.....	5.69	2.59
26 05 33 16-0119 EA Toggle Switch, 4" x 2" Steel Handy Box Exposed Work Cover.....	5.71	2.59
26 05 33 16-0120 EA 1.594" Diameter Receptacle, 4" x 2" Steel Handy Box Exposed Work Cover.....	6.37	2.59
26 05 33 16-0121 EA Flat, 2" x 4" Steel Handy Box Exposed Work Cover.....	5.71	2.59
26 05 33 16-0122 3"-1/2" Depth, 3-3/4" Steel Masonry Boxes <small>(26 05 33 16-0001)</small>		
26 05 33 16-0123 EA 1 Device, 3"-1/2" Depth, 3-3/4" Steel Masonry Box.....	40.38	18.16
26 05 33 16-0124 EA 2 Device, 3"-1/2" Depth, 3-3/4" Steel Masonry Box.....	44.53	19.19
26 05 33 16-0125 EA 3 Device, 3"-1/2" Depth, 3-3/4" Steel Masonry Box.....	50.32	20.75
26 05 33 16-0126 EA 4 Device, 3"-1/2" Depth, 3-3/4" Steel Masonry Box.....	56.85	22.83
26 05 33 16-0127 Cast Boxes <small>(26 05 33 16)</small>		
Note: For flush or surface mount.		
26 05 33 16-0128 Cast Iron Alloy Boxes <small>(26 05 33 16-0127)</small>		
See CSI section 26 27 26 00-0260 for box covers.		
26 05 33 16-0129 Shallow, Single Gang Cast Iron Alloy Boxes <small>(26 05 33 16-0128)</small>		
Note: Up to 2" deep boxes.		
26 05 33 16-0130 EA 1/2" Depth, Type FS, Shallow, Single Gang Cast Iron Alloy Box.....	83.35	31.13
Note: One hub.		
26 05 33 16-0131 EA 3/4" Depth, Type FS, Shallow, Single Gang Cast Iron Alloy Box.....	90.97	36.31
Note: One hub.		
26 05 33 16-0132 EA 1" Depth, Type FS, Shallow, Single Gang Cast Iron Alloy Box.....	107.69	44.10
Note: One hub.		
26 05 33 16-0133 EA 1/2" Depth, Type FSC, Shallow, Single Gang Cast Iron Alloy Box.....	105.28	41.50
Note: Two hub.		
26 05 33 16-0134 EA 3/4" Depth, Type FSC, Shallow, Single Gang Cast Iron Alloy Box.....	132.98	49.29
Note: Two hub.		
26 05 33 16-0135 EA 1/2" Depth, Type FSL, Shallow, Single Gang Cast Iron Alloy Box.....	104.92	41.50
Note: Two hub.		
26 05 33 16-0136 EA 3/4" Depth, Type FSL, Shallow, Single Gang Cast Iron Alloy Box.....	125.90	49.29
Note: Two hubs.		
26 05 33 16-0137 EA 1/2" Depth, Type FSR, Shallow, Single Gang Cast Iron Alloy Box.....	107.20	41.50
Note: Two hubs.		
26 05 33 16-0138 EA 3/4" Depth, Type FSR, Shallow, Single Gang Cast Iron Alloy Box.....	125.93	49.29
Note: Two hubs.		
26 05 33 16-0139 EA 1/2" Depth, Type FSS, Shallow, Single Gang Cast Iron Alloy Box.....	104.92	41.50
Note: Two hubs.		
26 05 33 16-0140 EA 3/4" Depth, Type FSS, Shallow, Single Gang Cast Iron Alloy Box.....	123.12	49.29
Note: Two hubs.		
26 05 33 16-0141 EA 1/2" Depth, Type FSCA, Shallow, Single Gang Cast Iron Alloy Box.....	126.04	51.88
Note: Three hubs.		
26 05 33 16-0142 EA 3/4" Depth, Type FSCA, Shallow, Single Gang Cast Iron Alloy Box.....	149.53	62.25
Note: Three hubs.		
26 05 33 16-0143 EA 1/2" Depth, Type FSCC, Shallow, Single Gang Cast Iron Alloy Box.....	130.41	51.88
Note: Three hubs.		
26 05 33 16-0144 EA 3/4" Depth, Type FSCC, Shallow, Single Gang Cast Iron Alloy Box.....	166.19	62.25
Note: Three hubs.		
26 05 33 16-0145 EA 1/2" Depth, Type FSCT, Shallow, Single Gang Cast Iron Alloy Box.....	133.26	51.88
Note: Three hubs.		
26 05 33 16-0146 EA 3/4" Depth, Type FSCT, Shallow, Single Gang Cast Iron Alloy Box.....	159.34	62.25
Note: Three hubs.		
26 05 33 16-0147 EA 1/2" Depth, Type FST, Shallow, Single Gang Cast Iron Alloy Box.....	125.67	51.88
Note: Three hubs.		
26 05 33 16-0148 EA 3/4" Depth, Type FST, Shallow, Single Gang Cast Iron Alloy Box.....	161.27	62.25
Note: Three hubs.		
26 05 33 16-0149 EA 1/2" Depth, Type FSX, Shallow, Single Gang Cast Iron Alloy Box.....	158.55	62.25
Note: Four hubs.		
26 05 33 16-0150 EA 3/4" Depth, Type FSX, Shallow, Single Gang Cast Iron Alloy Box.....	191.33	75.22
Note: Four hubs.		
26 05 33 16-0151 Deep, Single Gang Cast Iron Alloy Boxes <small>(26 05 33 16-0128)</small>		
Note: >2" deep boxes.		
26 05 33 16-0152 EA 1/2" Depth, Type FD, Deep, Single Gang Cast Iron Alloy Box.....	86.57	31.13
Note: One hub.		

26 Electrical**26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 16-0153 EA 3/4" Depth, Type FD, Deep, Single Gang Cast Iron Alloy Box..... Note: One hub.	99.90	36.31
26 05 33 16-0154 EA 1" Depth, Type FD, Deep, Single Gang Cast Iron Alloy Box..... Note: One hub.	117.99	44.10
26 05 33 16-0155 EA 1/2" Depth, Type FDC, Deep, Single Gang Cast Iron Alloy Box..... Note: Two hubs.	111.16	41.50
26 05 33 16-0156 EA 3/4" Depth, Type FDC, Deep, Single Gang Cast Iron Alloy Box..... Note: Two hubs.	128.93	49.29
26 05 33 16-0157 EA 1" Depth, Type FDC, Deep, Single Gang Cast Iron Alloy Box..... Note: Two hubs.	155.14	59.66
26 05 33 16-0158 EA 3/4" Depth, Type FDS, Deep, Single Gang Cast Iron Alloy Box..... Note: Two hubs.	136.95	49.29
26 05 33 16-0159 EA 3/4" Depth, Type FDCC, Deep, Single Gang Cast Iron Alloy Box..... Note: Three hubs.	175.69	62.25
26 05 33 16-0160 Shallow, Two Gang Cast Iron Alloy Boxes (26 05 33 16-0128) Note: Up to 2" deep boxes.		
26 05 33 16-0161 EA 1/2" Depth, Type FS, Shallow, Two Gang Cast Iron Alloy Box..... Note: One hub.	98.66	33.72
26 05 33 16-0162 EA 3/4" Depth, Type FS, Shallow, Two Gang Cast Iron Alloy Box..... Note: One hub.	109.99	38.91
26 05 33 16-0163 EA 1" Depth, Type FS, Shallow, Two Gang Cast Iron Alloy Box..... Note: One hub.	128.42	46.69
26 05 33 16-0164 EA 1/2" Depth, Type FSC, Shallow, Two Gang Cast Iron Alloy Box..... Note: Two hubs.	120.96	44.10
26 05 33 16-0165 EA 3/4" Depth, Type FSC, Shallow, Two Gang Cast Iron Alloy Box..... Note: Two hubs.	138.17	51.88
26 05 33 16-0166 Deep, Two Gang Cast Iron Alloy Boxes (26 05 33 16-0128) Note: >2" deep boxes.		
26 05 33 16-0167 EA 1/2" Depth, Type FD, Deep, Two Gang Cast Iron Alloy Box..... Note: One hub.	108.32	33.72
26 05 33 16-0168 EA 3/4" Depth, Type FD, Deep, Two Gang Cast Iron Alloy Box..... Note: One hub.	119.07	38.91
26 05 33 16-0169 EA 1/2" Depth, Type FDC, Deep, Two Gang Cast Iron Alloy Box..... Note: Two hubs.	135.50	44.10
26 05 33 16-0170 EA 3/4" Depth, Type FDC, Deep, Two Gang Cast Iron Alloy Box..... Note: Two hubs.	153.53	51.88
26 05 33 16-0171 Cast Aluminum Boxes (26 05 33 16-0127) See CSI section 26 27 26 00-0260 for box covers.		
26 05 33 16-0172 Shallow, Single Gang Cast Aluminum Boxes (26 05 33 16-0171) Note: Up to 2" deep boxes.		
26 05 33 16-0173 EA 1/2" Depth, Type FS, Shallow, Single Gang Cast Aluminum Box..... Note: One hub.	72.98	25.94
26 05 33 16-0174 EA 3/4" Depth, Type FS, Shallow, Single Gang Cast Aluminum Box..... Note: One hub.	84.19	31.13
26 05 33 16-0175 EA 1" Depth, Type FS, Shallow, Single Gang Cast Aluminum Box..... Note: One hub.	95.46	38.91
26 05 33 16-0176 EA 1/2" Depth, Type FSA, Shallow, Single Gang Cast Aluminum Box..... Note: One hub.	69.23	25.94
26 05 33 16-0177 EA 3/4" Depth, Type FSA, Shallow, Single Gang Cast Aluminum Box..... Note: One hub.	86.83	31.13
26 05 33 16-0178 EA 1/2" Depth, Type FSC, Shallow, Single Gang Cast Aluminum Box..... Note: Two hubs.	94.09	36.31
26 05 33 16-0179 EA 3/4" Depth, Type FSC, Shallow, Single Gang Cast Aluminum Box..... Note: Two hubs.	113.25	44.10
26 05 33 16-0180 EA 1" Depth, Type FSC, Shallow, Single Gang Cast Aluminum Box..... Note: Two hubs.	141.72	54.48
26 05 33 16-0181 EA 1/2" Depth, Type FSL, Shallow, Single Gang Cast Aluminum Box..... Note: Two hubs.	100.61	36.31
26 05 33 16-0182 EA 3/4" Depth, Type FSL, Shallow, Single Gang Cast Aluminum Box..... Note: Two hubs.	110.08	44.10
26 05 33 16-0183 EA 1/2" Depth, Type FSLB, Shallow, Single Gang Cast Aluminum Box..... Note: Two hubs.	96.90	36.31
26 05 33 16-0184 EA 3/4" Depth, Type FSLB, Shallow, Single Gang Cast Aluminum Box..... Note: Two hubs.	112.29	44.10
26 05 33 16-0185 EA 1/2" Depth, Type FSR, Shallow, Single Gang Cast Aluminum Box..... Note: Two hubs.	94.51	36.31
26 05 33 16-0186 EA 3/4" Depth, Type FSR, Shallow, Single Gang Cast Aluminum Box..... Note: Two hubs.	112.29	44.10
26 05 33 16-0187 EA 1/2" Depth, Type FSS, Shallow, Single Gang Cast Aluminum Box..... Note: Two hubs.	88.98	36.31
26 05 33 16-0188 EA 3/4" Depth, Type FSS, Shallow, Single Gang Cast Aluminum Box..... Note: Two hubs.	118.17	44.10
26 05 33 16-0189 EA 1/2" Depth, Type FSCA, Shallow, Single Gang Cast Aluminum Box..... Note: Three hubs.	113.55	46.69
26 05 33 16-0190 EA 3/4" Depth, Type FSCA, Shallow, Single Gang Cast Aluminum Box..... Note: Three hubs.	138.11	57.07



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 16-0191 EA 1/2" Depth, Type FSCC, Shallow, Single Gang Cast Aluminum Box..... Note: Three hubs.	119.28	46.69
26 05 33 16-0192 EA 3/4" Depth, Type FSCC, Shallow, Single Gang Cast Aluminum Box..... Note: Three hubs.	157.96	57.07
26 05 33 16-0193 EA 1/2" Depth, Type FSCT, Shallow, Single Gang Cast Aluminum Box Note: Three hubs.	118.80	46.69
26 05 33 16-0194 EA 3/4" Depth, Type FSCT, Shallow, Single Gang Cast Aluminum Box Note: Three hubs.	145.66	57.07
26 05 33 16-0195 EA 3/4" Depth, Type FST, Shallow, Single Gang Cast Aluminum Box..... Note: Three hubs.	147.36	57.07
26 05 33 16-0196 EA 1/2" Depth, Type FSX, Shallow, Single Gang Cast Aluminum Box..... Note: Four hubs.	144.91	57.07
26 05 33 16-0197 EA 3/4" Depth, Type FSX, Shallow, Single Gang Cast Aluminum Box..... Note: Four hubs.	177.05	70.04
26 05 33 16-0198 Deep, Single Gang Cast Aluminum Boxes (26 05 33 16-0171) Note: >2" deep boxes.		
26 05 33 16-0199 EA 1/2" Depth, Type FD, Deep, Single Gang Cast Aluminum Box..... Note: One hub.	79.63	25.94
26 05 33 16-0200 EA 3/4" Depth, Type FD, Deep, Single Gang Cast Aluminum Box..... Note: One hub.	95.41	31.13
26 05 33 16-0201 EA 1" Depth, Type FD, Deep, Single Gang Cast Aluminum Box..... Note: One hub.	110.88	38.91
26 05 33 16-0202 EA 3/4" Depth, Type FDA, Deep, Single Gang Cast Aluminum Box Note: One hub.	101.48	31.13
26 05 33 16-0203 EA 1/2" Depth, Type FDC, Deep, Single Gang Cast Aluminum Box Note: Two hubs.	102.69	36.31
26 05 33 16-0204 EA 3/4" Depth, Type FDC, Deep, Single Gang Cast Aluminum Box Note: Two hubs.	123.81	44.10
26 05 33 16-0205 EA 1" Depth, Type FDC, Deep, Single Gang Cast Aluminum Box Note: Two hubs.	140.73	54.48
26 05 33 16-0206 EA 3/4" Depth, Type FDS, Deep, Single Gang Cast Aluminum Box Note: Two hubs.	125.21	44.10
26 05 33 16-0207 EA 3/4" Depth, Type FDCC, Deep, Single Gang Cast Aluminum Box Note: Three hubs.	154.52	57.07
26 05 33 16-0208 Shallow, Two Gang Cast Aluminum Boxes (26 05 33 16-0171) Note: Up to 2" deep boxes.		
26 05 33 16-0209 EA 1/2" Depth, Type FS, Shallow, Two Gang Cast Aluminum Box Note: One hub.	94.12	28.53
26 05 33 16-0210 EA 3/4" Depth, Type FS, Shallow, Two Gang Cast Aluminum Box Note: One hub.	108.24	33.72
26 05 33 16-0211 EA 1" Depth, Type FS, Shallow, Two Gang Cast Aluminum Box Note: One hub.	118.57	41.50
26 05 33 16-0212 EA 1/2" Depth, Type FSC, Shallow, Two Gang Cast Aluminum Box Note: Two hubs.	119.07	38.91
26 05 33 16-0213 EA 3/4" Depth, Type FSC, Shallow, Two Gang Cast Aluminum Box Note: Two hubs.	124.53	46.69
26 05 33 16-0214 EA 1" Depth, Type FSC, Shallow, Two Gang Cast Aluminum Box Note: Two hubs.	153.55	57.07
26 05 33 16-0215 Deep, Two Gang Cast Aluminum Boxes (26 05 33 16-0171) Note: >2" deep boxes.		
26 05 33 16-0216 EA 1/2" Depth, Type FD, Deep, Two Gang Cast Aluminum Box..... Note: One hub.	94.05	28.53
26 05 33 16-0217 EA 3/4" Depth, Type FD, Deep, Two Gang Cast Aluminum Box..... Note: One hub.	109.15	33.72
26 05 33 16-0218 EA 1/2" Depth, Type FDC, Deep, Two Gang Cast Aluminum Box Note: Two hubs.	121.15	38.91
26 05 33 16-0219 EA 3/4" Depth, Type FDC, Deep, Two Gang Cast Aluminum Box Note: Two hubs.	138.43	46.69
26 05 33 16-0220 EA 1/2" Depth, Type FDC, Deep, Two Gang Cast Aluminum Box Note: Two hubs.	121.15	38.91
26 05 33 16-0221 EA 3/4" Depth, Type FDC, Deep, Two Gang Cast Aluminum Box Note: Two hubs.	138.43	46.69
26 05 33 16-0222 Shallow, Three Gang Cast Aluminum Boxes (26 05 33 16-0171) Note: Up to 2" deep boxes.		
26 05 33 16-0223 EA 1/2" Depth, Type FSC, Shallow, Three Gang Cast Aluminum Box..... Note: Two hubs.	127.45	41.50
26 05 33 16-0224 EA 3/4" Depth, Type FSC, Shallow, Three Gang Cast Aluminum Box Note: Two hubs.	144.19	49.29
26 05 33 16-0225 Deep, Three Gang Cast Aluminum Boxes (26 05 33 16-0171) Note: >2" deep boxes.		
26 05 33 16-0226 EA 3/4" Depth, Type FD, Deep, Three Gang Cast Aluminum Box Note: One hub.	140.46	36.31
26 05 33 16-0227 EA 1" Depth, Type FD, Deep, Three Gang Cast Aluminum Box Note: One hub.	158.16	44.10

26 Electrical**26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 16-0228			Cast Aluminum Explosion Proof Outlet Bodies <small>(26 05 33 16-0127)</small> Note: Class I, Div. 1 & 2; Class II, Div. 1 & 2; and Class III.		
26 05 33 16-0229	EA		1/2" Depth, Type GRSS, 7 Opening, Cast Aluminum Explosion Proof Outlet Body.....	147.07	41.50
26 05 33 16-0230	EA		3/4" Depth, Type GRSS, 7 Opening, Cast Aluminum Explosion Proof Outlet Body.....	180.23	46.69
26 05 33 16-0231	EA		1" Depth, Type GRSS, 7 Opening, Cast Aluminum Explosion Proof Outlet Body.....	168.82	51.88
26 05 33 16-0232	EA		1/2" Depth, Type GRSSA, 13 Opening, Cast Aluminum Explosion Proof Outlet Body.....	163.28	46.69
26 05 33 16-0233	EA		3/4" Depth, 13 Hubs, Explosion Proof Conduit Outlet Box With Cover Cast Aluminum, Type GRSSA.....	196.89	51.88
26 05 33 16-0234			Non Metallic (PVC) Boxes <small>(26 05 33 16)</small> See CSI section 26 27 26 00-0260 for box covers.		
26 05 33 16-0235			Shallow, Single Gang Non Metallic (PVC) Boxes <small>(26 05 33 16-0234)</small>		
26 05 33 16-0236	EA		1/2" Depth, Type FSE, Shallow, Single Gang Non Metallic (PVC) Box..... Note: One hub.	50.79	21.79
26 05 33 16-0237	EA		3/4" Depth, Type FSE, Shallow, Single Gang Non Metallic (PVC) Box..... Note: One hub.	58.27	25.43
26 05 33 16-0238	EA		1" Depth, Type FSE, Shallow, Single Gang Non Metallic (PVC) Box..... Note: One hub.	67.28	30.87
26 05 33 16-0239	EA		1/2" Depth, Type FSC, Shallow, Single Gang Non Metallic (PVC) Box..... Note: Two hubs.	65.53	29.05
26 05 33 16-0240	EA		3/4" Depth, Type FSC, Shallow, Single Gang Non Metallic (PVC) Box..... Note: Two hubs.	77.17	34.50
26 05 33 16-0241	EA		1" Depth, Type FSC, Shallow, Single Gang Non Metallic (PVC) Box..... Note: Two hubs.	93.57	41.76
26 05 33 16-0242	EA		1/2" Depth, Type FSS, Shallow, Single Gang Non Metallic (PVC) Box..... Note: Two hubs.	65.72	29.05
26 05 33 16-0243	EA		3/4" Depth, Type FSS, Shallow, Single Gang Non Metallic (PVC) Box..... Note: Two hubs.	76.66	34.50
26 05 33 16-0244	EA		1" Depth, Type FSS, Shallow, Single Gang Non Metallic (PVC) Box..... Note: Two hubs.	91.83	41.76
26 05 33 16-0245	EA		1/2" Depth, Type FSCC, Shallow, Single Gang Non Metallic (PVC) Box..... Note: Three hubs.	82.83	36.31
26 05 33 16-0246	EA		3/4" Depth, Type FSCC, Shallow, Single Gang Non Metallic (PVC) Box..... Note: Three hubs.	95.34	43.58
26 05 33 16-0247	EA		1" Depth, Type FSCC, Shallow, Single Gang Non Metallic (PVC) Box..... Note: Three hubs.	112.90	52.65
26 05 33 16-0248			Deep, Single Gang Non Metallic (PVC) Boxes <small>(26 05 33 16-0234)</small>		
26 05 33 16-0249	EA		No Hub, Type FD, Deep, Single Gang Non Metallic (PVC) Box..... Note: No hubs.	51.35	21.79
26 05 33 16-0250	EA		1/2" Depth, Type FDE, Deep, Single Gang Non Metallic (PVC) Box..... Note: One hub.	50.36	21.79
26 05 33 16-0251	EA		3/4" Depth, Type FDE, Deep, Single Gang Non Metallic (PVC) Box..... Note: One hub.	59.61	25.43
26 05 33 16-0252	EA		1" Depth, Type FDE, Deep, Single Gang Non Metallic (PVC) Box..... Note: One hub.	67.83	30.87
26 05 33 16-0253	EA		1/2" Depth, Type FDC, Deep, Single Gang Non Metallic (PVC) Box..... Note: Two hubs.	66.64	29.05
26 05 33 16-0254	EA		3/4" Depth, Type FDC, Deep, Single Gang Non Metallic (PVC) Box..... Note: Two hubs.	75.73	34.50
26 05 33 16-0255	EA		1" Depth, Type FDC, Deep, Single Gang Non Metallic (PVC) Box..... Note: Two hubs.	90.75	41.76
26 05 33 16-0256			Shallow, Two Gang Non Metallic (PVC) Boxes <small>(26 05 33 16-0234)</small>		
26 05 33 16-0257	EA		1/2" Depth, Type FSE, Shallow, Two Gang Non Metallic (PVC) Box..... Note: One hub.	54.71	23.60
26 05 33 16-0258	EA		3/4" Depth, Type FSE, Shallow, Two Gang Non Metallic (PVC) Box..... Note: One hub.	62.77	27.24
26 05 33 16-0259	EA		1" Depth, Type FSE, Shallow, Two Gang Non Metallic (PVC) Box..... Note: One hub.	71.01	32.69
26 05 33 16-0260	EA		1/2" Depth, Type FSC, Shallow, Two Gang Non Metallic (PVC) Box..... Note: Two hubs.	67.95	30.87
26 05 33 16-0261	EA		3/4" Depth, Type FSC, Shallow, Two Gang Non Metallic (PVC) Box..... Note: Two hubs.	83.20	36.31
26 05 33 16-0262	EA		1" Depth, Type FSC, Shallow, Two Gang Non Metallic (PVC) Box..... Note: Two hubs.	98.71	43.58
26 05 33 16-0263	EA		1/2" Depth, Type FSS, Shallow, Two Gang Non Metallic (PVC) Box..... Note: Two hubs.	69.26	30.87
26 05 33 16-0264	EA		3/4" Depth, Type FSS, Shallow, Two Gang Non Metallic (PVC) Box..... Note: Two hubs.	86.82	36.31
26 05 33 16-0265	EA		1" Depth, Type FSS, Shallow, Two Gang Non Metallic (PVC) Box..... Note: Two hubs.	95.81	43.58
26 05 33 16-0266	EA		1/2" Depth, Type FSCC, Shallow, Two Gang Non Metallic (PVC) Box..... Note: Three hubs.	84.85	38.13
26 05 33 16-0267	EA		3/4" Depth, Type FSCC, Shallow, Two Gang Non Metallic (PVC) Box..... Note: Three hubs.	109.53	45.39
26 05 33 16-0268	EA		1" Depth, Type FSCC, Shallow, Two Gang Non Metallic (PVC) Box..... Note: Three hubs.	116.44	54.48



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 16-0269				Poke Thru Units <small>(26 05 33 16)</small>		
26 05 33 16-0270				Surface Poke Thru Units <small>(26 05 33 16-0269)</small>		
				Note: Excludes concrete drilling. See CSI section 27 11 19 00-0123 for jacks.		
26 05 33 16-0271	EA			Single 20 Amp Duplex Receptacle RC3 Power And Communications Poke Thru Unit 396.64	396.64	38.91
				Note: Tile or carpet with brushed aluminum flange with black nonmetallic cover. Excludes communication jacks. Wiremold RC3ATCAL.		
26 05 33 16-0272	EA			Retrofit Kit Upgrades Existing RC3 Series Power And Communications Poke Thru Unit To Meet Scrub Water Requirements 253.72	253.72	
				Note: Includes 20 Amp duplex receptacle. Tile or carpet with brushed aluminum flange with black nonmetallic cover. Wiremold RC3KTCAL.		
26 05 33 16-0273	EA			Replacement 20 Amp Duplex Receptacle For RC3 Series Power And Communications Poke Thru Unit 37.45	37.45	10.38
				Note: Wiremold RC37REC.		
26 05 33 16-0274	EA			Abandonment Plate For RC3 Series Power And Communications Poke Thru Unit 42.84	42.84	5.19
				Note: Wiremold RC3APTGBK.		
26 05 33 16-0275	EA			Four 20 Amp Receptacles RC4 Power And Communications Poke Thru Unit 447.77	447.77	41.50
				Note: Tile or carpet with brushed aluminum flange with black nonmetallic cover. Excludes communication jacks. Wiremold RC4ATCAL.		
26 05 33 16-0276	EA			Retrofit Kit Upgrades Existing RC4 Series Power And Communications Poke Thru Unit To Meet Scrub Water Requirements 238.10	238.10	
				Note: Includes two 20 Amp duplex receptacles. Tile or carpet with brushed aluminum flange with black nonmetallic cover. Excludes communication jacks. Wiremold RC4KTCAL.		
26 05 33 16-0277	EA			Replacement Two 20 Amp Duplex Receptacles For RC4 Series Power And Communications Poke Thru Unit 63.47	63.47	15.57
				Note: Wiremold RC4REC2.		
26 05 33 16-0278	EA			Abandonment Plate For RC4 Series Power And Communications Poke Thru Unit 42.84	42.84	5.19
				Note: Wiremold RC4APTGBK.		
26 05 33 16-0279	EA			Abandonment Plug For RC4 Series Power And Communications Poke Thru Unit 123.27	123.27	10.38
				Note: Wiremold ABPLUG4.		
26 05 33 16-0280	EA			Four Jack RC9AMD Communications Poke Thru Unit 355.46	355.46	36.31
				Note: Tile or carpet with brushed aluminum flange with black nonmetallic cover. Includes bezels to accept four Ortronics TracJack inserts and two Ortronics Series II inserts. Excludes communication jacks. Wiremold RC9AMDTCAL.		
26 05 33 16-0281	EA			Abandonment Plate For RC9 Series Communications Poke Thru Unit 30.29	30.29	5.19
				Note: Wiremold RC9APTGBK.		
26 05 33 16-0282	EA			Eight Jack AMD8 Communications Poke Thru Unit 353.88	353.88	36.31
				Note: Tile or carpet with brushed aluminum flange with black nonmetallic cover. Includes bezels to accept eight Ortronics TracJack inserts and four Ortronics Series II inserts. Excludes communication jacks. Wiremold AMD8ATCAL.		
26 05 33 16-0283	EA			Communication Conduit Adapter For Poke Thru Units 41.46	41.46	5.19
				Note: Includes two conduit connections for communication systems. Wiremold COM75.		
26 05 33 16-0284				Recessed Poke Thru Units <small>(26 05 33 16-0269)</small>		
				Note: Excludes concrete drilling.		
26 05 33 16-0285				Evolution 6AT Poke Thru Units <small>(26 05 33 16-0284)</small>		
				Note: Excludes concrete drilling.		
26 05 33 16-0286	EA			Recessed Prewired Assembly With Surface Style Cover (Wiremold 6ATCP) 649.14	649.14	41.50
				Note: For carpet, tile, wood and laminate floors. For use in 6" diameter cored hole. Devices are recessed 3 1/4" below floor surface. Die-cast aluminum cover assembly is available in the following finishes: (BK) painted black, (GY) painted gray, (NK) nickel, (BS) brass, and (BZ) bronze.		
26 05 33 16-0287	EA			Recessed Prewired Assembly With Flush Style Cover (Wiremold 6ATP) 649.22	649.22	41.50
				Note: For tile, wood and laminate floors. For use in 6" diameter cored hole. Devices are recessed 3 1/4" below floor surface. Die-cast aluminum cover assembly is available in the following finishes: (BK) painted black, (GY) painted gray, (NK) nickel, (BS) brass, and (BZ) bronze.		
26 05 33 16-0288	EA			Recessed Assembly With Surface Style Cover (Wiremold 6ATC) 619.28	619.28	41.50
				Note: For carpet, tile, wood and laminate floors. For use in 6" diameter cored hole. Devices are recessed 3 1/4" below floor surface. Diecast aluminum cover is available in the following finishes: (BK) painted black, (GY) painted gray, (NK) nickel, (BS) brass, and (BZ) bronze.		
26 05 33 16-0289	EA			Recessed Assembly With Flush Style Cover (Wiremold 6AT) 619.28	619.28	41.50
				Note: For tile, wood or laminate floors. For use in 6" diameter cored hole. Devices are recessed 3 1/4" below floor surface. Die-cast aluminum cover is available in the following finishes: (BK) painted black, (GY) painted gray, (NK) nickel, (BS) brass, and (BZ) bronze.		
26 05 33 16-0290	EA			Recessed Prewired Audio/Video Assembly With Surface Style Cover (Wiremold 6ATCPA) 649.14	649.14	41.50
				Note: For carpet, tile, wood and laminate floors. For use in 6" diameter cored hole. Devices are recessed 3 1/4" below floor surface. Die-cast aluminum cover assembly is available in the following finishes: (BK) painted black, (GY) painted gray, (NK) nickel, (BS) brass, and (BZ) bronze.		
26 05 33 16-0291	EA			Recessed Prewired Audio/Video Assembly With Flush Style Cover (Wiremold 6ATPA) 649.14	649.14	41.50
				Note: For tile, wood and laminate floors. For use in 6" diameter cored hole. Devices are recessed 3 1/4" below floor surface. Die-cast aluminum cover assembly is available in the following finishes: (BK) painted black, (GY) painted gray, (NK) nickel, (BS) brass, and (BZ) bronze.		
26 05 33 16-0292	EA			Recessed Furniture Feed Assembly With Surface Style Cover (Wiremold 6ATCFF) 594.00	594.00	41.50
				Note: For carpet, tile, wood and laminate floors. For use in 6" diameter cored hole. Die-cast aluminum cover assembly provides one (1) 3/4" trade size screw plug opening and one (1) concentric 2"-1 1/4" trade size screw plug opening and is available in the following finishes: (BK) painted black, (GY) painted gray, (NK) nickel, (BS) brass, and (BZ) bronze.		
26 05 33 16-0293	EA			Recessed Assembly With Disposable Plate (Wiremold 6STC) 376.22	376.22	38.91
				Note: Includes 6" core hole poke-thru stem assembly with a disposable plate. Devices are recessed 3 1/4" below floor surface. No cover assembly is included. No device plates are included. For use with the following cover assemblies (purchased separately): 6CTC, 6CT, and 6CFFTC Series.		
26 05 33 16-0294	EA			Recessed Prewired Audio/Video Assembly With Disposable Plate (Wiremold 6STCPAV) 402.64	402.64	38.91
				Note: Includes 6" core hole poke-thru stem assembly with a disposable plate. Devices are recessed 3 1/4" below floor surface. No cover assembly is included. For use with the following cover assemblies (purchased separately): 6CTC and 6CT Series.		

26 Electrical**26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 16-0295 EA Recessed Prewired Assembly With Disposable Plate (Wiremold 6STCP) Note: Includes 6" core hole poke-thru stem assembly with a disposable plate. Devices are recessed 3 1/4" below floor surface. No cover assembly is included. For use with the following cover assemblies (purchased separately): 6CTC and 6CT Series.	405.25	38.91
26 05 33 16-0296 EA 6" Pre-Pour Poke-Thru Sleeve (Wiremold 6PPS) Note: Nonmetallic sleeve attaches to structural decking and maintains 6"-6 1/8" diameter cast in core hole. Unit includes three (3) attachment legs, two (2) end caps and three (3) thumb screws.	117.74	20.75
26 05 33 16-0297 EA Surface Style Cover Assembly (Wiremold 6CTC)..... Note: Die-cast aluminum cover assembly. Cover assembly is available in the following finishes: black (BK), gray (GY), nickel (NK), brass (BS), and bronze (BZ). 6CTC Series cover assemblies designed for use with 6STC, 6STCP, and 6STCPAV Poke-Thru Stem Assemblies.	259.75	10.38
26 05 33 16-0298 EA Flush Style Cover Assembly (Wiremold 6CT)..... Note: Die-cast aluminum cover assembly. Cover assembly is available in the following finishes: black (BK), gray (GY), nickel (NK), brass (BS), and bronze (BZ). 6CT Series cover assemblies designed for use with 6STC, 6STCP and 6STCPAV Poke-Thru Stem Assemblies. Includes one (1) 6TS Tile Shim.	259.75	10.38
26 05 33 16-0299 EA Furniture Feed Cover Assembly (Wiremold 6CFFTC) Note: Surface style, die-cast aluminum cover assembly, with one (1) 3/4" trade size screw plug opening, and one (1) concentric 2"-1 1/4" trade size screw plug opening. Cover assembly is available in finishes: black (BK), gray(GY), nickel (NK), brass (BS), and bronze (BZ). 6CFFTC Series Cover Assemblies designed for use with 6STC Poke- Thru Stem Assembly. Includes one (1) 3/4" and one (1) 2" trade size conduit fittings and one (1) divider to separate services.	216.44	10.38
26 05 33 16-0300 EA Tile Shim (Wiremold 6TS)..... Note: Used for floor coverings greater than 5/16" The 6TS will allow the top surface of the cover to be flush with the finished floor. Includes: two (2) 1/8" thick shims and two (2) 1/16" thick shims. Up to a total of 3/8" of adjustment.	31.64	2.59
26 05 33 16-0301 EA Device Mounting Plate (Wiremold 6AAP) Note: Device plate that will accept up to two (2) Extron® Electronics AAP style plates. For use in the center compartment only. Devices supplied by others.	16.66	5.19
26 05 33 16-0302 EA Device Mounting Plate (Wiremold 6ACT8A)..... Note: Device plate that will accept up to eight (8) ports of communication devices. For use in the center compartment only. Devices supplied by others.	19.01	5.19
26 05 33 16-0303 EA Device Mounting Plate (Wiremold 6B) Note: Device plate used to blank off center compartment, when no devices are used.	16.59	5.19
26 05 33 16-0304 EA Device Mounting Plate (Wiremold 6DEC)..... Note: Device plate that will accept Decorator style devices such as 20A receptacles, GFCIs, 106 adapters or A/V devices. For use in the center compartment only. Devices supplied by others.	16.64	5.19
26 05 33 16-0305 EA Device Mounting Plate (Wiremold 6DP)..... Note: Device plate that will accept standard 20A duplex receptacle or duplex Turnlok receptacle. For use in the center compartment only. Devices supplied by others.	16.54	5.19
26 05 33 16-0306 EA Device Mounting Plate (Wiremold 6MAAP) Note: Device plate that will accept up to six (6) Extron® Electronics MAAP style plates. For use in the center compartment only. Devices supplied by others.	19.26	5.19
26 05 33 16-0307 EA Device Mounting Plate (Wiremold 6MAAP2A) Note: Combination device plate that will accept up to three (3) Extron® Electronics MAAP style plates, and up to two (2) ports of communication devices. For use in the center compartment only. Devices supplied by others.	19.06	5.19
26 05 33 16-0308 EA Mosaic Mounting Plate (Wiremold 6MOS)..... Note: Device plate will accept two (2) standard [45mm x 45mm] or one (1) standard [45mm x 90mm] Mosaic style device(s). Devices supplied by others.	19.49	5.19
26 05 33 16-0309 EA Device Mounting Plate (Wiremold 6S1) Note: Receptacle opening 1 3/8". For 6" poke-thru units only.	16.31	5.19
26 05 33 16-0310 EA Device Mounting Plate (Wiremold 6S2) Note: Receptacle opening 1 9/16". For 6" poke-thru units only.	16.32	5.19
26 05 33 16-0311 EA Device Mounting Plate (Wiremold 6SER) Note: Device plate that will accept up to four (4) Ortronics® Series II dual modular inserts. For use in the center compartment only. Devices supplied by others.	16.12	5.19
26 05 33 16-0312 EA Device Mounting Plate (Wiremold 6TRAC)..... Note: Device plate that will accept up to eight (8) Ortronics® TracJack devices. For use in the center compartment only. Devices supplied by others.	16.12	5.19
26 05 33 16-0313 EA 20AMP Duplex Receptacles (Wiremold 68REC) Note: Two (2) proprietary 20AMP duplex power receptacles with mounting plates. Designed to fit in either of the two side compartments in both the 6ATC and the 8ATC Series Poke-Thru Devices. Receptacle can be wired as a standard or isolated ground device.	37.44	7.78
26 05 33 16-0314 EA Device Mounting Plate (Wiremold 68B) Note: Blank plate. Used to blank off either of the side compartments when no devices or cabling are to be used.	14.89	5.19
26 05 33 16-0315 EA Device Mounting Plate (Wiremold 68MAAP) Note: Device plate that will accept up to two (2) Extron® Electronics MAAP device plates. For use in either of the two side compartments only. Not for use in the center compartment. Extron Devices supplied by others.	15.22	5.19
26 05 33 16-0316 EA 20AMP Duplex Receptacles (Wiremold 68REC-25) Note: Two (2) proprietary 20AMP duplex power receptacles with mounting plates and 25' leads. Designed to fit in either of the two side compartments in both the 6ATC and the 8ATC Series Poke-Thru Devices. Receptacle can be wired as a standard or isolated	113.29	9.34
26 05 33 16-0317 EA Device Mounting Plate (Wiremold 682A) Note: Device plate that will accept up to two (2) ports of communication devices. For use in either of the two side compartments only. Not for use in the center compartment. Communication devices supplied by others.	18.85	5.19
26 05 33 16-0318 EA Bottom Housing Assembly (Wiremold 5PTHA)..... Note: Half-gang pass through housing assembly. Designed to allow pass through of communication cables when no conduit is required. For use on side compartments only.	19.58	5.19
26 05 33 16-0319 EA Bottom Housing Assembly (Wiremold 5BLH) Note: Half-gang blank housing assembly. Designed to blank off compartment when no cable pass through is required. For use on side compartments only. Includes tunnels for 6" and 8" poke-thru devices.	20.10	5.19
26 05 33 16-0320 EA Bottom Housing Assembly (Wiremold 152CHA) Note: One and a half-gang 2" trade size conduit housing assembly. Recommended for use with furniture feed devices (6ATCF). Covers the center compartment and one of the side compartments.	31.57	10.38
26 05 33 16-0321 EA Bottom Housing Assembly (Wiremold 575CHA)..... Note: Half-gang 3/4" trade size conduit housing assembly. Includes junction box attached to 3/4" trade size conduit for electrical power connections. For use on side compartments only.	36.49	12.97



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 16-0322 EA Bottom Housing Assembly (Wiremold 175CHA)..... Note: One-gang 3/4" trade size conduit housing assembly. Includes junction box attached to 3/4" trade size conduit for electrical power connections.	39.85	12.97
26 05 33 16-0323 EA Bottom Housing Assembly (Wiremold 1125CHA)..... Note: One-gang 1 1/4" trade size conduit housing assembly.	30.43	10.38
26 05 33 16-0324 EA Bottom Housing Assembly (Wiremold 1PTHA)..... Note: One-gang pass through housing assembly. Designed to allow pass through of communication cables when no conduit is required.	19.46	5.19
26 05 33 16-0325 EA Bottom Housing Assembly (Wiremold 1BLH) Note: One-gang blank housing assembly. Designed to blank off compartment when no cable pass through is required.	19.46	5.19
26 05 33 16-0326 EA Bottom Housing Assembly (Wiremold 15FFHA) Note: One and a half-gang pass through conduit housing assembly. Used for furniture feed applications on the center compartment only. Only for use with 6AT Series units.	20.42	5.19
26 05 33 16-0327 EA Bottom Housing Assembly (Wiremold 1BHA) Note: One-gang bottom housing assembly. Designed to accept 175CHA, 1125CHA, 1PTHA, and 1BLH plates.	21.08	5.19
26 05 33 16-0328 Evolution 8AT Poke Thru Units <small>(26 05 33 16-0284)</small> Note: Excludes concrete drilling.		
26 05 33 16-0329 EA Recessed Prewired Assembly With Surface Style Cover (Wiremold 8ATCP) Note: For carpet, tile, wood and laminate floors. For use in 8" diameter cored hole. Devices are recessed 3 1/4" below floor surface. Die-cast aluminum cover assembly is available in the following finishes: (BK) painted black, (GY) painted gray, (NK) nickel, (BS) brass, and (BZ) bronze.	847.79	41.50
26 05 33 16-0330 EA Recessed Prewired Assembly With Flush Style Cover (Wiremold 8ATP) Note: For tile, wood and laminate floors. For use in 8" diameter cored hole. Devices are recessed 3 1/4" [83mm] below floor surface. Die-cast aluminum cover assembly is available in the following finishes: (BK) painted black, (GY) painted gray, (NK) nickel, (BS) brass, and (BZ) bronze.	807.49	41.50
26 05 33 16-0331 EA Recessed Assembly With Surface Style Cover (Wiremold 8ATC)..... Note: For carpet, tile, wood and laminate floors. For use in 8" diameter cored hole. Devices are recessed 3 1/4" below floor surface. Diecast aluminum cover assembly is available in the following finishes: (BK) painted black, (GY) painted gray, (NK) nickel, (BS) brass, and (BZ) bronze.	799.90	41.50
26 05 33 16-0332 EA Recessed Assembly With Flush Style Cover (Wiremold 8AT) Note: For tile, wood and laminate floors. For use in 8" diameter cored hole. Devices are recessed 3 1/4" below floor surface. Diecast aluminum cover assembly is available in the following finishes: (BK) painted black, (GY) painted gray, (NK) nickel, (BS) brass, and (BZ) bronze.	792.71	41.50
26 05 33 16-0333 EA Recessed Assembly With Disposable Plate (Wiremold 8STC)..... Note: Includes 8" core hole poke-thru stem assembly with a disposable plate. Devices are recessed 3 1/4" below floor surface. No cover assembly is included. For use with the following cover assemblies (purchased separately): 8CTC and 8CT Series.	482.85	38.91
26 05 33 16-0334 EA Recessed Prewired Assembly With Disposable Plate (Wiremold 8STCP) Note: Includes 8" core hole poke-thru stem assembly with a disposable plate. Devices are recessed 3 1/4" below floor surface. No cover assembly is included. For use with the following cover assemblies (purchased separately): 8CTC and 8CT Series.	539.62	38.91
26 05 33 16-0335 EA 8" Pre-Pour Poke-Thru Sleeve (Wiremold 8PPS)..... Note: Nonmetallic sleeve attaches to structural decking and maintains 8"-8 1/8" diameter cast in core hole. Unit includes three (3) attachment legs, two (2) end caps and three (3) thumb screws.	139.90	20.75
26 05 33 16-0336 EA Surface Style Cover Assembly (Wiremold 8CTC)..... Note: Die-cast aluminum cover assembly. Cover assembly is available in the following finishes: (BK) painted black, (GY) painted gray, (NK) nickel, (BS) brass, and (BZ) bronze. 8CTC Series Cover Assemblies designed for use with 8STC and 8STCP Poke-Thru Stem Assemblies.	280.66	10.38
26 05 33 16-0337 EA Flush Style Cover Assembly (Wiremold 8CT)..... Note: Die-cast aluminum cover assembly. Cover assembly is available in the following finishes: (BK) painted black, (GY) painted gray, (NK) nickel, (BS) brass, and (BZ) bronze. 8CTC Series Cover Assemblies designed for use with 8STC and 8STCP Poke-Thru Stem Assemblies. Includes one (1) 8TS Tile Shim.	280.66	10.38
26 05 33 16-0338 EA Tile Shim (Wiremold 8TS)..... Note: Used for floor coverings greater than 5/16". The 8TS will allow the top surface of the cover to be flush with the finished floor. Includes: two (2) 1/8" thick shims and two (2) 1/16" thick shims. Up to a total of 3/8" [9.5mm] of adjustment.	48.87	2.59
26 05 33 16-0339 EA Device Mounting Plate (Wiremold 8B) Note: Singlegang device plate used to blank off any one (1) of the three (3) gangs in the center compartment, when no devices are used.	17.17	5.19
26 05 33 16-0340 EA Device Mounting Plate (Wiremold 8DP) Note: Singlegang device plate that accepts standard 20A duplex receptacle or a duplex Turnlok receptacle. Fits in any one (1) of the three (3) gangs in the center compartment. Devices supplied by others.	17.26	5.19
26 05 33 16-0341 EA Device Mounting Plate (Wiremold 8DEC)..... Note: Singlegang device plate that will accept Decorator style devices such as 20A receptacles, GGCI's, 106 adapters or A/V devices. Fits in any one (1) of the three (3) gangs in the center compartment. Devices supplied by others.	17.36	5.19
26 05 33 16-0342 EA Device Mounting Plate (Wiremold 8ACT6A)..... Note: Singlegang device plate that will accept up to six (6) ports of communication devices. Fits in any one (1) of the three (3) gangs in the center compartment. Devices supplied by others.	19.87	5.19
26 05 33 16-0343 EA Mosaic Mounting Plate (Wiremold 8MOS)..... Note: Device plate accepts three (3) standard Mosaic devices. Devices supplied by others.	23.75	5.19
26 05 33 16-0344 EA Crestron Double Gang Plate (Wiremold 8CREST)..... Note: Device plate accepts Crestron double-gang decorator style devices.	23.72	5.19
26 05 33 16-0345 EA Device Mounting Plate (Wiremold 8S1) Note: Receptacle opening 1 3/8". For 8" poke-thru units only.	16.69	5.19
26 05 33 16-0346 EA Device Mounting Plate (Wiremold 8S2) Note: Receptacle opening 1 9/16". For 8" poke-thru units only.	16.89	5.19
26 05 33 16-0347 EA Device Mounting Plate (Wiremold 8TRAC)..... Note: Singlegang device plate that will accept up to six (6) Ortronics TracJack devices. Fits in any one (1) of the three (3) gangs in the center compartment. Devices supplied by others.	16.69	5.19
26 05 33 16-0348 EA Device Mounting Plate (Wiremold 8SER) Note: Singlegang device plate that will accept up to three (3) Ortronics Series II dual modular inserts. Fits in any one (1) of the three (3) gangs in the center compartment. Devices supplied by others.	16.69	5.19

26 Electrical**26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 16-0349	EA		Device Mounting Plate (Wiremold 8MAAP) Note: Singlegang device plate that will accept up to four (4) Extron® Electronics MAAP style plates. Fits in any one (1) of the three (3) gangs in the center compartment. Devices supplied by others.	23.40	5.19
26 05 33 16-0350	EA		Device Mounting Plate (Wiremold 8AAP) Note: Two-gang device plate that will accept up to four (4) Extron® Electronics AAP style plates. 8AAP takes up 2 of the 3 gangs in the center compartment. Devices supplied by others.	19.76	5.19
26 05 33 16-0351	EA		8" Divider (Wiremold 8DIV) Note: Divider allows for separation of services when required.	22.55	5.19
26 05 33 16-0352	EA		Bottom Housing Assembly (Wiremold 22CHA) Note: Two-gang 2" trade size conduit housing assembly. Used on 8AT Series devices. Covers two (2) of the three (3) gangs in the center compartment. Only for use with 8AT Series units.	31.57	10.38

26 05 33 23 Surface Raceways For Electrical Systems (26 05 33)**26 05 33 23-0001 Raceways (26 05 33 23)****26 05 33 23-0002 Wireway With Screw Cover (26 05 33 23-0001)**

Note: Also known as wire trough. Galvanized steel construction. Mounted exposed on flat wall surface. Labor units include material unloading, unpacking at job site, layout of job, assembly and installation.

26 05 33 23-0003 2-1/2" x 2-1/2", Wireway With Screw Cover (26 05 33 23-0002)

26 05 33 23-0004	LF		2-1/2" x 2-1/2", NEMA 1, Surface Mounted Wireway With Screw Cover <i>For Combination Hinged Screw Cover, Add</i> <i>For Concrete Or Masonry Surface, Add</i>	16.18 0.34 0.47	4.74
26 05 33 23-0005	EA		2-1/2" x 2-1/2", End Plate For Surface Mounted Wireway With Screw Cover <i>For Combination Hinged Screw Cover, Add</i>	16.66 0.12	7.11
26 05 33 23-0006	EA		2-1/2" x 2-1/2", Coupling For Surface Mounted Wireway With Screw Cover <i>For Combination Hinged Screw Cover, Add</i>	20.17 0.12	8.87
26 05 33 23-0007	EA		2-1/2" x 2-1/2", Panel Adapter For Surface Mounted Wireway With Screw Cover <i>For Combination Hinged Screw Cover, Add</i>	40.33 0.36	16.60
26 05 33 23-0008	EA		2-1/2" x 2-1/2", Elbow For Surface Mounted Wireway With Screw Cover <i>For Combination Hinged Screw Cover, Add</i>	54.52 1.07	16.60
26 05 33 23-0009	EA		2-1/2" x 2-1/2", Tee For Surface Mounted Wireway With Screw Cover <i>For Combination Hinged Screw Cover, Add</i>	79.71 1.63	23.62
26 05 33 23-0010	EA		2-1/2" x 2-1/2", Cross For Surface Mounted Wireway With Screw Cover <i>For Combination Hinged Screw Cover, Add</i>	89.09 1.85	26.08

26 05 33 23-0011 4" x 4", Wireway With Screw Cover (26 05 33 23-0002)

26 05 33 23-0012	LF		4" x 4", NEMA 1, Surface Mounted Wireway With Screw Cover <i>For Combination Hinged Screw Cover, Add</i> <i>For Concrete Or Masonry Surface, Add</i>	19.95 0.40 0.59	5.97
26 05 33 23-0013	LF		4" x 4", NEMA 3R, Surface Mounted Wireway With Screw Cover <i>For Combination Hinged Screw Cover, Add</i> <i>For Concrete Or Masonry Surface, Add</i>	30.96 0.96 0.59	5.97
26 05 33 23-0014	EA		4" x 4", End Plate For Surface Mounted Wireway With Screw Cover <i>For Combination Hinged Screw Cover, Add</i>	12.97 0.13	5.22
26 05 33 23-0015	EA		4" x 4", Coupling For Surface Mounted Wireway With Screw Cover <i>For Combination Hinged Screw Cover, Add</i>	22.46 0.13	9.96
26 05 33 23-0016	EA		4" x 4", Panel Adapter For Surface Mounted Wireway With Screw Cover <i>For Combination Hinged Screw Cover, Add</i>	48.36 0.39	20.30
26 05 33 23-0017	EA		4" x 4", Elbow For Surface Mounted Wireway With Screw Cover <i>For Combination Hinged Screw Cover, Add</i>	63.97 1.17	20.30
26 05 33 23-0018	EA		4" x 4", Tee For Surface Mounted Wireway With Screw Cover <i>For Combination Hinged Screw Cover, Add</i>	88.13 1.77	26.37
26 05 33 23-0019	EA		4" x 4", Cross For Surface Mounted Wireway With Screw Cover <i>For Combination Hinged Screw Cover, Add</i>	102.17 2.03	30.83

26 05 33 23-0020 6" x 6", Wireway With Screw Cover (26 05 33 23-0002)

26 05 33 23-0021	LF		6" x 6", NEMA 1, Surface Mounted Wireway With Screw Cover <i>For Combination Hinged Screw Cover, Add</i> <i>For Concrete Or Masonry Surface, Add</i>	28.04 0.69 0.71	7.11
26 05 33 23-0022	LF		6" x 6", NEMA 3R, Surface Mounted Wireway With Screw Cover <i>For Combination Hinged Screw Cover, Add</i> <i>For Concrete Or Masonry Surface, Add</i>	47.34 1.65 0.71	7.11
26 05 33 23-0023	EA		6" x 6", End Plate For Surface Mounted Wireway With Screw Cover <i>For Combination Hinged Screw Cover, Add</i>	15.46 0.20	5.69
26 05 33 23-0024	EA		6" x 6", Coupling For Surface Mounted Wireway With Screw Cover <i>For Combination Hinged Screw Cover, Add</i>	27.79 0.20	11.85
26 05 33 23-0025	EA		6" x 6", Panel Adapter For Surface Mounted Wireway With Screw Cover <i>For Combination Hinged Screw Cover, Add</i>	63.00 0.79	23.62
26 05 33 23-0026	EA		6" x 6", Elbow For Surface Mounted Wireway With Screw Cover <i>For Combination Hinged Screw Cover, Add</i>	79.48 1.62	23.62
26 05 33 23-0027	EA		6" x 6", Tee For Surface Mounted Wireway With Screw Cover <i>For Combination Hinged Screw Cover, Add</i>	117.05 2.91	29.50
26 05 33 23-0028	EA		6" x 6", Cross For Surface Mounted Wireway With Screw Cover <i>For Combination Hinged Screw Cover, Add</i>	129.15 3.04	34.15

26 05 33 23-0029 8" x 8", Wireway With Screw Cover (26 05 33 23-0002)



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 23-0030 LF 8" x 8", NEMA 1, Surface Mounted Wireway With Screw Cover..... <i>For Combination Hinged Screw Cover, Add</i> <i>For Concrete Or Masonry Surface, Add</i>	41.35 1.29 0.78	7.78
26 05 33 23-0031 LF 8" x 8", NEMA 3R, Surface Mounted Wireway With Screw Cover..... <i>For Combination Hinged Screw Cover, Add</i> <i>For Concrete Or Masonry Surface, Add</i>	68.84 2.67 0.78	7.78
26 05 33 23-0032 EA 8" x 8", End Plate For Surface Mounted Wireway With Screw Cover..... <i>For Combination Hinged Screw Cover, Add</i>	16.93 0.23	6.16
26 05 33 23-0033 EA 8" x 8", Coupling For Surface Mounted Wireway With Screw Cover..... <i>For Combination Hinged Screw Cover, Add</i>	30.20 0.23	12.81
26 05 33 23-0034 EA 8" x 8", Panel Adapter For Surface Mounted Wireway With Screw Cover..... <i>For Combination Hinged Screw Cover, Add</i>	70.00 0.90	25.99
26 05 33 23-0035 EA 8" x 8", Elbow For Surface Mounted Wireway With Screw Cover..... <i>For Combination Hinged Screw Cover, Add</i>	96.76 2.24	25.99
26 05 33 23-0036 EA 8" x 8", Tee For Surface Mounted Wireway With Screw Cover..... <i>For Combination Hinged Screw Cover, Add</i>	137.24 3.66	32.07
26 05 33 23-0037 EA 8" x 8", Cross For Surface Mounted Wireway With Screw Cover..... <i>For Combination Hinged Screw Cover, Add</i>	185.52 5.39	38.89
26 05 33 23-0038 10" x 10", Wireway With Screw Cover <small>(26 05 33 23-0002)</small>		
26 05 33 23-0039 LF 10" x 10", NEMA 1, Surface Mounted Wireway With Screw Cover..... <i>For Combination Hinged Screw Cover, Add</i> <i>For Concrete Or Masonry Surface, Add</i>	57.71 1.98 0.90	9.01
26 05 33 23-0040 LF 10" x 10", NEMA 3R, Surface Mounted Wireway With Screw Cover..... <i>For Combination Hinged Screw Cover, Add</i> <i>For Concrete Or Masonry Surface, Add</i>	94.91 3.84 0.90	9.01
26 05 33 23-0041 EA 10" x 10", End Plate For Surface Mounted Wireway With Screw Cover..... <i>For Combination Hinged Screw Cover, Add</i>	22.11 0.39	7.11
26 05 33 23-0042 EA 10" x 10", Coupling For Surface Mounted Wireway With Screw Cover..... <i>For Combination Hinged Screw Cover, Add</i>	36.34 0.39	14.23
26 05 33 23-0043 EA 10" x 10", Panel Adapter For Surface Mounted Wireway With Screw Cover..... <i>For Combination Hinged Screw Cover, Add</i>	86.72 1.51	28.27
26 05 33 23-0044 EA 10" x 10", Elbow For Surface Mounted Wireway With Screw Cover..... <i>For Combination Hinged Screw Cover, Add</i>	139.82 4.16	28.27
26 05 33 23-0045 EA 10" x 10", Tee For Surface Mounted Wireway With Screw Cover..... <i>For Combination Hinged Screw Cover, Add</i>	204.05 6.64	35.66
26 05 33 23-0046 EA 10" x 10", Cross For Surface Mounted Wireway With Screw Cover..... <i>For Combination Hinged Screw Cover, Add</i>	280.14 9.98	40.31
26 05 33 23-0047 12" x 12", Wireway With Screw Cover <small>(26 05 33 23-0002)</small>		
26 05 33 23-0048 LF 12" x 12", NEMA 1, Surface Mounted Wireway With Screw Cover..... <i>For Combination Hinged Screw Cover, Add</i> <i>For Concrete Or Masonry Surface, Add</i>	68.08 2.31 1.09	10.91
26 05 33 23-0049 LF 12" x 12", NEMA 3R, Surface Mounted Wireway With Screw Cover..... <i>For Combination Hinged Screw Cover, Add</i> <i>For Concrete Or Masonry Surface, Add</i>	105.47 4.18 1.09	10.91
26 05 33 23-0050 EA 12" x 12", End Plate For Surface Mounted Wireway With Screw Cover..... <i>For Combination Hinged Screw Cover, Add</i>	27.23 0.60	7.59
26 05 33 23-0051 EA 12" x 12", Coupling For Surface Mounted Wireway With Screw Cover..... <i>For Combination Hinged Screw Cover, Add</i>	42.40 0.60	15.18
26 05 33 23-0052 EA 12" x 12", Panel Adapter For Surface Mounted Wireway With Screw Cover..... <i>For Combination Hinged Screw Cover, Add</i>	107.24 2.28	30.83
26 05 33 23-0053 EA 12" x 12", Elbow For Surface Mounted Wireway With Screw Cover..... <i>For Combination Hinged Screw Cover, Add</i>	177.55 5.79	30.83
26 05 33 23-0054 EA 12" x 12", Tee For Surface Mounted Wireway With Screw Cover..... <i>For Combination Hinged Screw Cover, Add</i>	227.08 7.56	37.94
26 05 33 23-0055 EA 12" x 12", Cross For Surface Mounted Wireway With Screw Cover..... <i>For Combination Hinged Screw Cover, Add</i>	350.10 13.24	42.69
26 05 33 23-0056 Surface Metal Raceways <small>(26 05 33 23-0001)</small> Note: Exposed on flat wall surface. Labor units include material unloading, unpacking at job site, layout of job, assembly and installation.		
26 05 33 23-0057 One Piece Surface Metal Raceways <small>(26 05 33 23-0056)</small> Note: Exposed installations on masonry, concrete block or drywall walls or ceilings. Labor units to include material handling, unloading at job site, layout of job, measuring, cutting and assembly (Wiremold or approved equal).		
26 05 33 23-0058 3/4" x 17/32" One Piece Surface Metal Raceways (Wiremold #500) <small>(26 05 33 23-0057)</small> Note: Available in ivory.		
26 05 33 23-0059 LF #500, 3/4" x 17/32" One Piece Surface Metal Raceway..... <i>For Concrete Or Masonry Surface, Add</i>	3.97 0.14	1.42
26 05 33 23-0060 EA #502 Bushing.....	4.06	1.89
26 05 33 23-0061 EA #504 One Or Two Hole Strap.....	4.09	1.89
26 05 33 23-0062 EA #506 Connection Cover.....	4.22	1.89
26 05 33 23-0063 EA #511 Flat 90 Degree Elbow.....	6.23	2.27
26 05 33 23-0064 EA #512 Flat 45 Degree Elbow.....	9.84	2.37
26 05 33 23-0065 EA #517 Adjustable Internal Elbow.....	7.74	2.85
26 05 33 23-0066 EA #518 Adjustable External Elbow.....	7.59	2.85

26 Electrical**26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

26 05 33 23-0067		3/4" x 21/32" One Piece Surface Metal Raceways (Wiremold #700) <small>(26 05 33 23-0057)</small>		
		Note: Available in ivory and white.		
26 05 33 23-0068	LF	#700, 3/4" x 21/32" One Piece Surface Metal Raceway <i>For Concrete Or Masonry Surface, Add</i>	5.05 0.19	1.89
26 05 33 23-0069	EA	#702 Bushing.....	4.15	1.89
26 05 33 23-0070	EA	#704 One Or Two Hole Strap.....	4.26	1.89
26 05 33 23-0071	EA	#706 Connection Cover.....	4.29	1.89
26 05 33 23-0072	EA	#711 Flat 90 Degree Elbow.....	9.31	3.80
26 05 33 23-0073	EA	#712 Flat 45 Degree Elbow.....	13.89	3.80
26 05 33 23-0074	EA	#717 Adjustable Internal Elbow.....	9.95	3.80
26 05 33 23-0075	EA	#718 Adjustable External Elbow.....	9.66	3.80

26 05 33 23-0076		One Piece Surface Metal Raceways Fittings (Wiremold #500 And 700 Fittings) <small>(26 05 33 23-0057)</small>		
		Note: Available in ivory.		
26 05 33 23-0077	EA	#5700F 18" Flex Fitting, For #500 Or 700.....	24.78	2.85
26 05 33 23-0078	EA	#5701 Galvanized Coupling, For #500 Or 700.....	4.25	1.89
26 05 33 23-0079	EA	#5703 Supporting Clip, For #500 Or 700.....	4.25	1.89
26 05 33 23-0080	EA	#5709 Ground Clamp.....	11.37	2.85
26 05 33 23-0081	EA	#5709GC Grounding Connector.....	9.76	2.85
26 05 33 23-0082	EA	#5711 L Or R (Left Or Right) Twisted Internal Ell.....	11.28	3.80
26 05 33 23-0083	EA	#5715 Tee.....	12.85	4.74
26 05 33 23-0084	EA	#5719 Corner Box, 2-1/2" x 2-3/8" x 2-1/2".....	20.80	3.80
26 05 33 23-0085	EA	#57242 Utility Box For #500 Or #700.....	16.31	3.80
26 05 33 23-0086	EA	#5731 Blank Cover, 2-3/8" Diameter.....	8.88	2.37
26 05 33 23-0087	EA	#5733 Outlet Box, 3" Diameter.....	19.88	3.80
26 05 33 23-0088	EA	#5735 Distribution Box, 4-3/4" Square x 1-3/8" Deep.....	19.82	3.80
26 05 33 23-0089	EA	#5736 Blank Cover, 4-3/8".....	9.37	2.37
26 05 33 23-0090	EA	#5737 Extension Box/Open Base, 4-3/4" Diameter.....	18.13	3.80
26 05 33 23-0091	EA	#5737A Extension Box/Open Base, 5-1/2" Diameter.....	17.54	3.80
26 05 33 23-0092	EA	#5738 Fixture Box/Solid Base, 4-3/4" Diameter.....	17.68	3.80
26 05 33 23-0093	EA	#5738A Fixture Box/Solid Base, 5-1/2" Diameter.....	17.68	3.80
26 05 33 23-0094	EA	#5738AF Fan Box/Solid Base, 5-1/2" Diameter.....	19.82	3.80
26 05 33 23-0095	EA	#5739 Fixture Box/Solid Base, 6-3/8".....	19.59	3.80
26 05 33 23-0096	EA	#5739A Extension Box/Open Base, 6-3/8" Diameter.....	20.82	3.80
26 05 33 23-0097	EA	#57240 Standard Switch Box For #500, Or #700.....	24.13	6.16
26 05 33 23-0098	EA	#57243G Duplex Receptacle And Box, Ground, For #500 Or #700.....	38.88	11.85
26 05 33 23-0099	EA	#5741 Switch And Receptacle Box For Shallow Type Switches, 2-13/16" x 4-5/8" x 1-3/8".....	18.74	6.16
26 05 33 23-0100	EA	#5744 Extra Deep Switch And Receptacle Box, 1 Gang, 4-5/8" x 2-7/8" x 2-3/4".....	28.44	6.16
26 05 33 23-0101	EA	#5744-2 Extra Deep Switch And Receptacle Box, 2 Gang, 4-3/4" x 4-3/4" x 2-3/4".....	32.30	6.16
26 05 33 23-0102	EA	#5744-3 Extra Deep Switch And Receptacle Box, 3 Gang, 4-5/8" x 6-1/2" x 2-3/4".....	47.97	6.16
26 05 33 23-0103	EA	#5744S Signal Box 1 Gang.....	25.64	5.22
26 05 33 23-0104	EA	#5744S-2 Signal Box 2 Gang.....	28.41	5.22
26 05 33 23-0105	EA	#5744S-3 Signal Box 3 Gang.....	44.52	5.22
26 05 33 23-0106	EA	#5745 Combination Switch And Receptacle Box With 1/2" KO's, 4-5/8" x 2-7/8" x 1-3/4".....	19.47	6.16
26 05 33 23-0107	EA	#5747 Shallow Switch And Receptacle Box For Standard Shallow Devices, 1 Gang, 4-5/8" x 2-7/8" x 1-3/8".....	17.37	6.16
26 05 33 23-0108	EA	#5747-2 Shallow Switch And Receptacle Box For Standard Shallow Devices, 2 Gang, 4-3/4" x 4-3/4" x 1-3/8".....	23.60	6.16
26 05 33 23-0109	EA	#5747-3 Shallow Switch And Receptacle Box For Standard Shallow Devices, 3 Gang, 4-5/8" x 6-1/2" x 2-3/4".....	43.96	6.16
26 05 33 23-0110	EA	#5748 Switch And Receptacle Box For Deep Devices, 1 Gang, 4-5/8" x 2-7/8" x 1-3/4".....	18.43	6.16
26 05 33 23-0111	EA	#5748-2 Switch And Receptacle Box For Deep Devices, 2 Gang, 4-3/4" x 4-3/4" x 1-3/4".....	24.86	6.16
26 05 33 23-0112	EA	#5748-3 Switch And Receptacle Box For Deep Devices, 3 Gang, 4-5/8" x 6-1/2" x 1-3/4".....	42.79	6.16
26 05 33 23-0113	EA	#5748-4 Switch And Receptacle Box For Deep Devices, 4 Gang, 4-5/8" x 8-11/32" x 1-3/4".....	62.51	6.16
26 05 33 23-0114	EA	#5748-5 Switch And Receptacle Box For Deep Devices, 5 Gang, 4-5/8" x 10-5/32" x 1-3/4".....	101.73	6.16
26 05 33 23-0115	EA	#5748-6 Switch And Receptacle Box For Deep Devices, 6 Gang, 4-5/8" x 11-31/32" x 1-3/4".....	103.49	6.16
26 05 33 23-0116	EA	#5748-S Shallow Switch And Receptacle Box For Shallow Duplex Devices, 4-3/8" x 2-7/8" x 15/16".....	18.22	6.16
26 05 33 23-0117	EA	#5751 Flush-Type Extension Adapter, 1 Gang, 4-5/8" x 2-7/8" x 15/16".....	17.78	6.16
26 05 33 23-0118	EA	#5751-2 Flush-Type Extension Adapter, 2 Gang, 4-3/4" x 4-3/4" x 15/16".....	22.97	6.16
26 05 33 23-0119	EA	#5751-3 Flush-Type Extension Adapter, 3 Gang, 4-5/8" x 6-1/2" x 15/16".....	43.18	6.16
26 05 33 23-0120	EA	#5751A Deep Flush-Type Extension Adapter, 1 Gang, 4-5/8" x 2-7/8" x 1-3/4".....	19.05	6.16
26 05 33 23-0121	EA	#5752 Alarm Device Box, 2 Gang, 4-11/16" x 4-11/16" x 1-3/8".....	24.05	6.16
26 05 33 23-0122	EA	#5753 Extra Deep Alarm Device Box, 2 Gang, 4-11/16" x 4-11/16" x 2-3/4".....	33.75	6.16
26 05 33 23-0123	EA	#5760 Blank Extension Box.....	11.80	2.37
26 05 33 23-0124	EA	#5780 Special Nipple, 1/2".....	11.28	2.37
26 05 33 23-0125	EA	#5781 1/2" Box Connector.....	7.76	2.37
26 05 33 23-0126	EA	#5781A 3/4" Box Connector.....	14.11	2.85
26 05 33 23-0127	EA	#5782 1/2" Conduit Connector.....	7.83	2.37
26 05 33 23-0128	EA	#5782A 3/4" Conduit Connector.....	17.44	2.85
26 05 33 23-0129	EA	#5784 1/2" Elbow Conduit Connector.....	15.72	2.85
26 05 33 23-0130	EA	#5785 Combination Connector, To Any 3-1/4" Or 4" Outlet Box.....	9.16	2.85
26 05 33 23-0131	EA	#5786 Offset Connector.....	14.66	2.85
26 05 33 23-0132	EA	#5790B Armor Cable Connector.....	7.93	2.37
26 05 33 23-0133	EA	#5791 1/2" Electrical Metallic Tubing (EMT) Connector, For #500 Or 700.....	6.96	1.89

26 05 33 23-0134		1-9/16" x 11/32" One Piece Surface Metal Raceways (Wiremold #1500) <small>(26 05 33 23-0057)</small>		
		Note: Galvanized finish.		
26 05 33 23-0135	LF	#1500-10, 1-9/16" x 11/32" One Piece Surface Metal Raceway <i>For Concrete Or Masonry Surface, Add</i>	7.05 0.24	2.37



MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
26 05 33 23-0136	EA	#1500WC Wire Clip	4.56	1.89
26 05 33 23-0137	EA	#1502 Bushing.....	5.45	2.37
26 05 33 23-0138	EA	#1504 2-Hole Strap.....	6.23	2.85
26 05 33 23-0139	EA	#1511 Flat Elbow	23.32	9.01
26 05 33 23-0140	EA	#1517 Internal Elbow	23.97	9.01
26 05 33 23-0141	EA	#1517B Adapter Fitting	25.50	9.01
26 05 33 23-0142	EA	#1518 External Elbow.....	25.37	9.01
26 05 33 23-0143	EA	#1528 Utility Box.....	22.12	6.16
26 05 33 23-0144	EA	#1542D Junction Box.....	22.73	6.16
26 05 33 23-0145	EA	#1543GL Duplex Receptacle.....	44.45	11.85
26 05 33 23-0146	EA	#1546A Single Receptacle Box	23.33	6.16
26 05 33 23-0147	EA	#1546B Duplex Receptacle Box	27.98	6.16
26 05 33 23-0148	EA	#1546T Telephone Box	27.50	6.16
26 05 33 23-0149	EA	#1585 Combination Connection.....	13.23	2.85
26 05 33 23-0150		2-7/32" x 28/32" One Piece Surface Metal Raceways (Wiremold #2600) <small>(26 05 33 23-0057)</small>		
		Note: Galvanized finish.		
26 05 33 23-0151	LF	#2600-10, 2-7/32" x 28/32" One Piece Surface Metal Raceway	11.66	4.27
		<i>For Concrete Or Masonry Surface, Add</i>	0.43	
26 05 33 23-0152	EA	#2600WC Wire Clip	4.55	1.89
26 05 33 23-0153	EA	#2602 Fiber Bushing.....	4.97	1.89
26 05 33 23-0154	EA	#2611 2-5/8 90 Degree Flat Elbow	15.96	3.32
26 05 33 23-0155	EA	#2642D Junction Box, 5" Diameter.....	23.79	4.74
26 05 33 23-0156	EA	#2686FO Service Fitting	23.85	5.69
26 05 33 23-0157		Two Piece Surface Metal Raceways <small>(26 05 33 23-0056)</small>		
		Note: Exposed installations on masonry, concrete block or drywall walls or ceilings. Labor units to include material handling, unloading at job site, layout of job, measuring, cutting and assembly (Wiremold or approved equal).		
26 05 33 23-0158		1-9/32" x 3/4" Two Piece Surface Metal Raceways (Wiremold #2000) <small>(26 05 33 23-0157)</small>		
26 05 33 23-0159	LF	#2000BC, 1-9/32" x 3/4" Two Piece Surface Metal Raceway Base And Cover.....	6.79	2.37
		<i>For Concrete Or Masonry Surface, Add</i>	0.24	
26 05 33 23-0160	EA	#2000WC Wire Clip	3.38	1.89
26 05 33 23-0161	EA	#2001 Coupling.....	9.20	2.37
26 05 33 23-0162	EA	#2003 Supporting Clip	4.19	1.42
26 05 33 23-0163	EA	#2006 Cover Clip	3.93	1.42
26 05 33 23-0164	EA	#2009 Ground Clamp	9.62	2.37
26 05 33 23-0165	EA	#2010A2 Entrance End Fitting	20.05	7.11
26 05 33 23-0166	EA	#2010A3 Entrance End Fitting.....	33.16	9.49
26 05 33 23-0167	EA	#2010B Blank End Fitting	5.53	2.37
26 05 33 23-0168	EA	#2011 Flat 90 Degree Elbow	17.29	6.16
26 05 33 23-0169	EA	#2015 Tee.....	30.69	8.92
26 05 33 23-0170	EA	#2017TC Internal Corner Coupling	11.39	4.74
26 05 33 23-0171	EA	#2048 Single Gang device Box.....	25.79	8.44
26 05 33 23-0172	EA	#2048-2 2-Gang device Box	39.00	9.39
26 05 33 23-0173	EA	#2051H Flush Plate Adapter	28.04	9.39
26 05 33 23-0174	EA	#2089 Side Reducing Connector	21.83	4.74
26 05 33 23-0175	EA	#2089E End Reducing Connector	9.18	2.37
26 05 33 23-0176		1-7/8" x 7/8" Two Piece Surface Metal Raceways (Wiremold #2400) <small>(26 05 33 23-0157)</small>		
		Note: Available in gray enamel (G) or ivory (V).		
26 05 33 23-0177	LF	#2400B, 1-7/8" x 7/8" Two Piece Surface Metal Raceway Base	5.84	2.37
		<i>For Concrete Or Masonry Surface, Add</i>	0.24	
26 05 33 23-0178	LF	#2400BD, 1-7/8" x 7/8" Divided Two Piece Surface Metal Raceway Base.....	6.28	2.37
		<i>For Concrete Or Masonry Surface, Add</i>	0.24	
26 05 33 23-0179	LF	#2400C Raceway Cover	2.07	0.47
26 05 33 23-0180	EA	#2400WC Wire Clip	3.33	1.89
26 05 33 23-0181	EA	#2401 Coupling.....	9.09	2.37
26 05 33 23-0182	EA	#2401D Divided Raceway Coupling	6.85	2.37
26 05 33 23-0183	EA	#2406 Cover Clip	3.86	1.42
26 05 33 23-0184	EA	#2407-2CM Device Bracket Frame.....	26.77	7.11
26 05 33 23-0185	EA	#2407-2TJ Device Bracket Frame	25.81	7.11
26 05 33 23-0186	EA	#2409 Ground Clamp	6.77	1.89
26 05 33 23-0187	EA	#2410A End Fitting	18.90	7.11
26 05 33 23-0188	EA	#2410B Blank End.....	5.49	2.37
26 05 33 23-0189	EA	#2410BD Divided Blank End Fitting.....	5.54	2.37
26 05 33 23-0190	EA	#2410C Entrance End Fitting.....	26.66	7.11
26 05 33 23-0191	EA	#2410D Divided Entrance End Fitting.....	25.73	7.11
26 05 33 23-0192	EA	#2410DFO Divided Entrance End Fitting.....	39.63	7.11
26 05 33 23-0193	EA	#2410FC Full Cap Entrance End Fitting	31.29	7.11
26 05 33 23-0194	EA	#2411D Divided Flat 90 Degree Elbow.....	20.73	7.11
26 05 33 23-0195	EA	#2411DFO Radiused Divided Flat 90 Degree Elbow.....	30.80	7.11
26 05 33 23-0196	EA	#2411FO Radiused Flat 90 Degree Elbow	27.97	7.01
26 05 33 23-0197	EA	#2411M Flat 90 Degree Elbow	19.95	7.11
26 05 33 23-0198	EA	#2415DFO Radiused Divided Tee.....	32.72	7.01
26 05 33 23-0199	EA	#2415FO Radiused Tee	31.31	7.01

26 Electrical
26 05 Common Work Results For Electrical
26 05 33 Raceway And Boxes For Electrical Systems



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 23-0200 EA #2415M Tee.....	22.87	7.01
26 05 33 23-0201 EA #2417D Divided Internal Coupling.....	19.74	7.01
26 05 33 23-0202 EA #2417DFO Radiused Divided Internal Coupling.....	28.75	7.01
26 05 33 23-0203 EA #2417FO Radiused Internal Coupling.....	28.01	7.01
26 05 33 23-0204 EA #2417M Internal Coupling.....	19.25	7.01
26 05 33 23-0205 EA #2418DFO Radiused Divided External Coupling.....	30.91	7.01
26 05 33 23-0206 EA #2418FO Radiused External Coupling.....	30.47	7.01
26 05 33 23-0207 EA #2418M External Coupling.....	22.55	7.01
26 05 33 23-0208 EA #2444 Extra Deep Switch And Receptacle, 1 Gang.....	27.98	6.16
26 05 33 23-0209 EA #2444-2 Extra Deep Switch And Receptacle Box, 2 Gang.....	30.68	6.16
26 05 33 23-0210 EA #2444-2LS Over Raceway Extra Deep Switch And Receptacle Box, 2 Gang.....	30.82	6.16
26 05 33 23-0211 EA #2444D Divided Extra Deep Switch And Receptacle, 1 Gang.....	29.68	6.16
26 05 33 23-0212 EA #2444D-2A Divided Extra Deep Switch And Receptacle Box, 2 Gang.....	40.49	6.16
26 05 33 23-0213 EA #2444D-2N Divided Over Raceway Extra Deep Switch And Receptacle Box, 2 Gang.....	36.05	6.16
26 05 33 23-0214 EA #2448 Switch And Receptacle Box For Shallow Devices, 1 Gang, 4-5/8" x 2-7/8" x 1-3/4".....	20.61	6.16
26 05 33 23-0215 EA #2448-2 Switch And Receptacle Box For Shallow Devices, 2 Gang, 4-3/4" x 4-3/4" x 1-3/4".....	30.08	6.16
26 05 33 23-0216 EA #2450 Adapter Plate, Device Bracket Type.....	9.50	2.37
26 05 33 23-0217 EA #2451H 4-1/2" x 4-1/2" Back Feed Fitting.....	23.33	7.11
26 05 33 23-0218 EA #2475D Bridge Fitting 2400/700/500.....	61.77	7.11
26 05 33 23-0219 EA #2489 Side Reducing Connector.....	18.93	3.80

26 05 33 23-0220 2-3/4" x 1-17/32" Two Piece Surface Metal Raceways (Wiremold #3000) (26 05 33 23-0157)

Note: Available in gray enamel (G) or ivory (V).

26 05 33 23-0221 LF #3000B, 2-3/4" x 1-17/32" Two Piece Surface Metal Raceway Base.....	11.50	4.27
<i>For Concrete Or Masonry Surface, Add</i>	0.43	
26 05 33 23-0222 LF #3000CE Raceway Cover.....	2.49	0.47
26 05 33 23-0223 EA #3000WC Wire Clips For Conductors.....	4.30	1.89
26 05 33 23-0224 EA #3001 Couplings.....	11.38	1.89
26 05 33 23-0225 EA #3001A Rigid Inside Coupling.....	10.42	2.37
26 05 33 23-0226 EA #3003 Supporting Clip.....	7.98	2.37
26 05 33 23-0227 EA #3006E Clip Cover.....	4.82	1.89
26 05 33 23-0228 EA #3007C Device Brackets.....	11.97	3.80
26 05 33 23-0229 EA #3008C C-Hanger.....	11.48	2.85
26 05 33 23-0230 EA #3010AE Entrance End Fitting For Connecting To 1/2" Conduit Or Armored Connectors.....	27.84	9.01
26 05 33 23-0231 EA #3010B Blank End Fittings.....	10.41	3.80
26 05 33 23-0232 EA #3010C Entrance End Fitting For Connecting To Rigid Or Flexible Conduit.....	30.39	9.01
26 05 33 23-0233 EA #3011E Flat 90 Degree Elbow.....	44.84	11.76
26 05 33 23-0234 EA #3014C Wall Box Connector.....	33.56	11.85
26 05 33 23-0235 EA #3015E Tee Fitting.....	61.00	14.70
26 05 33 23-0236 EA #3017TCE Internal Corner Coupling.....	29.79	9.01
26 05 33 23-0237 EA #3018AE External Corner.....	35.80	9.01
26 05 33 23-0238 EA #3027AE Single Receptacle Cover, With Face Diameters Of 1.38"-1.4".....	26.72	9.01
26 05 33 23-0239 EA #3028 Utility Box.....	42.44	9.01
26 05 33 23-0240 EA #3033JE Single Receptacle Cover, With Face Diameters Of 1.56"-1.57".....	13.45	2.37
26 05 33 23-0241 EA #3036HE Blank Cover.....	14.61	2.37
26 05 33 23-0242 EA #3040CE Switch Cover.....	13.42	2.37
26 05 33 23-0243 EA #3043BE Duplex Receptacle Cover.....	13.28	2.85
26 05 33 23-0244 EA #3043GE 15 Amp, 125 Volt Duplex Grounding Receptacle And Cover.....	38.57	12.34
26 05 33 23-0245 EA #3044-2 Extra Deep Switch And Receptacle Box, 2 Gang.....	47.27	9.01
26 05 33 23-0246 EA #3046BE Duplex Receptacle Cover.....	13.72	2.85
26 05 33 23-0247 EA #3046H-2 Tap Off Fitting.....	12.72	2.37
26 05 33 23-0248 EA #3046KD Circuit Breaker Housing, 1-15/16" Deep x 6" Long.....	47.50	5.69
26 05 33 23-0249 EA #3046KTSQ Circuit Breaker Housing, 2-3/4" Deep x 7-3/8" Long.....	109.95	5.69
26 05 33 23-0250 EA #3046QOU Circuit Breaker Housing, 1-13/16" Deep x 7-3/8" Long.....	41.90	5.69
26 05 33 23-0251 EA #3046S Bump Up Device Plate Cover, 1-13/16" Deep x 7-15/16" Long x 2-13/16" Wide.....	45.00	5.69
26 05 33 23-0252 EA #3046U Bump Up Device Plate Cover, 1-13/32" Deep x 7-15/16" Long x 2-13/16" Wide.....	45.00	5.69
26 05 33 23-0253 EA #3048R Rectangular Receptacle Cover.....	15.06	2.85

26 05 33 23-0254 4-3/4" x 1-3/4" Two Piece Surface Metal Raceways (Wiremold #4000) (26 05 33 23-0157)

Note: Available in gray enamel (G) or ivory (V).

26 05 33 23-0255 LF #4000B-10, 4-3/4" x 1-3/4" Two Piece Surface Metal Raceway Base.....	13.80	4.27
<i>For Concrete Or Masonry Surface, Add</i>	0.46	
26 05 33 23-0256 LF #4000C Raceway Cover.....	4.56	0.47
26 05 33 23-0257 LF #4000D Divider.....	2.33	0.47
26 05 33 23-0258 EA #4000WC Wire Clips For Conductors.....	5.14	2.37
26 05 33 23-0259 EA #4001A Couplings.....	13.62	2.85
26 05 33 23-0260 EA #4001D Divider Clip.....	6.78	2.85
26 05 33 23-0261 EA #4006 Seam Clip.....	6.88	2.85
26 05 33 23-0262 EA #4007C-1 Device Plate, 1 Gang.....	56.98	6.16
26 05 33 23-0263 EA #4007C-1R Single Device Fitting.....	60.24	6.16
26 05 33 23-0264 EA #4007C-2 Device Plate, 2 Gang.....	64.09	6.16
26 05 33 23-0265 EA #4010B Blank End Fittings.....	14.15	3.80
26 05 33 23-0266 EA #4010DFO Entrance End Fitting.....	54.35	14.61
26 05 33 23-0267 EA #4011 Flat 90 Degree Elbow.....	49.78	11.85
26 05 33 23-0268 EA #4011FO Radiused Flat 90 Degree Elbow.....	57.86	11.85
26 05 33 23-0269 EA #4012TX Internal Or External 45 Degree Elbow.....	54.98	14.70
26 05 33 23-0270 EA #4014A Wall Box Connector.....	71.15	14.70
26 05 33 23-0271 EA #4015 Tee Fitting.....	78.24	14.70



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 23-0272 EA #4015D Divided Tee Fitting	81.09	14.70
26 05 33 23-0273 EA #4015DFO Radiused Full Capacity Divided Tee Fitting.....	95.59	14.70
26 05 33 23-0274 EA #4015FO Radiused Tee Fitting.....	95.87	14.70
26 05 33 23-0275 EA #4017 Internal Elbow	45.88	14.70
26 05 33 23-0276 EA #4017FO Internal Elbow	76.98	14.70
26 05 33 23-0277 EA #4017N Inverted Internal Elbow.....	50.15	14.70
26 05 33 23-0278 EA #4017TCA Internal Corner Coupling.....	43.61	14.70
26 05 33 23-0279 EA #4018 External Elbow.....	65.31	14.70
26 05 33 23-0280 EA #4018FO Radiused External Elbow.....	74.76	14.70
26 05 33 23-0281 EA #4046ARJ Single Locking Receptacle And Two RJ11/45 Modulaular Connectors Outlet Cover.....	60.53	6.16
26 05 33 23-0282 EA #4046B-2 Double Duplex Receptacle Outlet Cover	64.03	6.16
26 05 33 23-0283 EA #4046DRJ Duplex Receptacle And Two RJ11/45 Modular Connector Cover	64.03	6.16
26 05 33 23-0284 EA #4046DRJ-2 Double Duplex Receptacle And Four RJ11/45 Modular Connector Cover	84.70	6.16
26 05 33 23-0285 EA #4046H-2 Tap-Off Fitting	19.89	6.16
26 05 33 23-0286 EA #4046JRJ Combination Single Receptacle And Phone Outlet Center.....	53.88	2.85
26 05 33 23-0287 EA #4046RRJ Rectangular Receptacle And Two RJ11/45 Modular Connector Cover	65.47	6.16
26 05 33 23-0288 EA #4050 Device Mounting Bracket.....	21.43	6.16
26 05 33 23-0289 EA #4074A Take-off Connector, #4000 To #3000.....	96.97	14.70
26 05 33 23-0290 EA #4075D Bridge Fitting.....	88.01	14.70
26 05 33 23-0291 EA #4075DA Bridge Fitting.....	88.01	14.70
26 05 33 23-0292 EA #4086A Panel Connector.....	77.76	27.99
26 05 33 23-0293 EA #4089 Reducing Connector Fitting	46.77	14.70
26 05 33 23-0294 4-3/4" x 3-9/16" Two Piece Surface Metal Raceways (Wiremold #6000) (26 05 33 23-0157)		
Note: Available in gray enamel (G) or ivory (V).		
26 05 33 23-0295 LF #6000B-10, 4-3/4" x 3-9/16" Two Piece Surface Metal Raceway Base	19.50	5.22
For Concrete Or Masonry Surface, Add	0.52	
26 05 33 23-0296 LF #6000C Raceway Cover	5.47	1.42
26 05 33 23-0297 LF #6000DA Divider.....	5.62	1.42
26 05 33 23-0298 EA #6000WC Wire Clips For Conductors.....	5.86	2.37
26 05 33 23-0299 EA #6001A Couplings	16.89	4.74
26 05 33 23-0300 EA #6001D Divider Clip.....	7.70	2.37
26 05 33 23-0301 EA #6001TX Converter Coupling	21.17	6.16
26 05 33 23-0302 EA #6006 Connection Cover.....	20.23	6.16
26 05 33 23-0303 EA #6007C-1 Single Gang Device Plate	21.08	6.16
26 05 33 23-0304 EA #6007C-2 Two Gang Device Plate	22.82	6.16
26 05 33 23-0305 EA #6008A C-Hanger.....	33.20	9.01
26 05 33 23-0306 EA #6010B Blank End Fittings.....	37.75	14.23
26 05 33 23-0307 EA #6011TX Combination Flat Elbow	65.49	14.23
26 05 33 23-0308 EA #6012TX Internal - External 45 Degree Elbow.....	66.27	13.66
26 05 33 23-0309 EA #6014A Connector Fitting	92.47	14.70
26 05 33 23-0310 EA #6017TX Combination Internal-External Elbow	68.43	16.12
26 05 33 23-0311 EA #6046KD Circuit Breaker Housing	114.08	16.12
26 05 33 23-0312 EA #6074 Take-off Connector, #6000 To #6000	109.52	14.23
26 05 33 23-0313 EA #6074A Take-off Connector, #6000 To #4000.....	117.99	14.23
26 05 33 23-0314 EA #6086 Panel Connector	81.98	33.01
26 05 33 23-0315 Two Piece Surface Aluminum Raceways (26 05 33 23-0056)		
Note: Exposed installations on masonry, concrete block or drywall walls or ceilings. Labor units to include material handling, unloading at job site, layout of job, measuring, cutting and assembly (Wiremold or approved equal).		
26 05 33 23-0316 1-7/16" x 1-1/8" Two Piece Surface Aluminum Raceways (Wiremold #AL2000) (26 05 33 23-0315)		
26 05 33 23-0317 LF #AL2000B, 1-7/16" x 1-1/8" Two Piece Surface Aluminum Raceway Base.....	8.46	2.37
For Concrete Or Masonry Surface, Add	0.24	
26 05 33 23-0318 LF #AL2000C Aluminum Raceway Cover.....	3.90	0.47
26 05 33 23-0319 EA #AL2000WC Wire Clip.....	4.23	1.89
26 05 33 23-0320 EA #AL2001 Coupling	9.85	2.37
26 05 33 23-0321 EA #AL2003 Supporting Clip.....	4.52	1.42
26 05 33 23-0322 EA #AL2006 Cover Clip.....	5.56	1.42
26 05 33 23-0323 EA #AL2009 Ground Clamp	8.10	2.37
26 05 33 23-0324 EA #AL2010A Entrance End Fitting.....	22.86	7.11
26 05 33 23-0325 EA #AL2010B Blank End Fitting	7.43	2.37
26 05 33 23-0326 EA #AL2011 Flat 90 Degree Elbow	25.57	6.16
26 05 33 23-0327 EA #AL2015 Tee.....	34.93	8.92
26 05 33 23-0328 EA #AL2017 Internal Corner Elbow.....	22.73	4.74
26 05 33 23-0329 EA #AL2018 External Corner Elbow.....	22.69	4.74
26 05 33 23-0330 EA #AL2043 In-Line Receptacle, Two 15 Amp	37.89	9.39
26 05 33 23-0331 EA #AL2038 4-13/16" Round Fixture Box	81.69	8.44
26 05 33 23-0332 EA #AL2044 4-1/2" x 3" x 2-1/4" D Box.....	38.47	8.44
26 05 33 23-0333 EA #AL2044-2 4-5/8" x 4-7/8" x 2-1/2" D Box.....	75.96	9.39
26 05 33 23-0334 EA #AL2047 Single Gang Shallow Device Box	39.70	8.44
26 05 33 23-0335 EA #AL2047-2 2-Gang Shallow Device Box.....	67.65	9.39
26 05 33 23-0336 EA #AL2051H Flush Plate Adapter	31.45	9.39
26 05 33 23-0337 2" x 1-9/32" Two Piece Surface Aluminum Raceways (Wiremold #AL2400) (26 05 33 23-0315)		

26 Electrical

26 05 Common Work Results For Electrical

26 05 33 Raceway And Boxes For Electrical Systems



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 23-0338 LF #AL2400B, 2" x 1-9/32" Two Piece Surface Aluminum Raceway Base.....	8.91	2.37
For Concrete Or Masonry Surface, Add	0.24	
26 05 33 23-0339 LF #AL2400C Aluminum Raceway Cover.....	3.72	0.47
26 05 33 23-0340 EA #AL2400WC Wire Clip.....	5.29	1.89
26 05 33 23-0341 EA #AL2401 Coupling.....	10.85	2.37
26 05 33 23-0342 EA #AL2406 Cover Clip.....	6.62	1.42
26 05 33 23-0343 EA #AL2409 Ground Clamp.....	5.93	1.89
26 05 33 23-0344 EA #AL2410B Blank End.....	7.78	2.37
26 05 33 23-0345 EA #AL2410B2 End Fitting.....	17.90	7.11
26 05 33 23-0346 EA #AL2411 Flat 90 Degree Elbow.....	29.15	7.11
26 05 33 23-0347 EA #AL2415 Tee.....	31.37	7.01
26 05 33 23-0348 EA #AL2416 Fourway Fitting.....	36.10	7.01
26 05 33 23-0349 EA #AL2417 Internal Coupling.....	29.03	7.01
26 05 33 23-0350 EA #AL2418 External Coupling.....	30.93	7.01
26 05 33 23-0351 EA #AL2451H 4-1/2" x 4-1/2" Back Feed Fitting.....	26.45	7.11
26 05 33 23-0352 2-7/8" x 1-7/8" Two Piece Surface Aluminum Raceways (Wiremold #AL3300) (26 05 33 23-0315)		
26 05 33 23-0353 LF #AL3300B, 2-7/8" x 1-7/8" Two Piece Surface Aluminum Raceway Base.....	15.42	4.27
For Concrete Or Masonry Surface, Add	0.43	
26 05 33 23-0354 LF #AL3300CE Aluminum Raceway Cover.....	4.07	0.47
26 05 33 23-0355 LF #AL3300D Raceway Divider.....	3.41	4.27
26 05 33 23-0356 EA #AL3300WC Wire Clips For Conductors.....	6.96	1.89
26 05 33 23-0357 EA #AL3301 Couplings.....	13.66	1.89
26 05 33 23-0358 EA #AL3301D Divider Coupling.....	10.65	2.37
26 05 33 23-0359 EA #AL3309 Ground Clamp.....	7.35	1.89
26 05 33 23-0360 EA #AL3310B Blank End Fittings.....	15.19	3.80
26 05 33 23-0361 EA #AL3310B1 End Fitting.....	26.40	9.01
26 05 33 23-0362 EA #AL3311 Flat 90 Degree Elbow.....	70.85	11.76
Note: Includes two (2) AL3301 couplings.		
26 05 33 23-0363 EA #AL3315 Tee Fitting.....	82.02	14.70
Note: Includes three (3) AL3301 couplings.		
26 05 33 23-0364 EA #AL3316 Cross Fitting.....	91.60	14.70
Note: Includes four (4) AL3301 couplings.		
26 05 33 23-0365 EA #AL3317 Internal Elbow.....	65.19	9.01
Note: Includes two (2) AL3301 couplings.		
26 05 33 23-0366 EA #AL3318 External Elbow.....	65.26	9.01
Note: Includes two (2) AL3301 couplings.		
26 05 33 23-0367 EA #AL3346D Duplex Receptacle Cover.....	14.97	2.85
26 05 33 23-0368 EA #AL3346E Single Receptacle Cover.....	14.89	2.85
26 05 33 23-0369 EA #AL3346G GFCI/ Surge Receptacle Cover.....	14.75	2.85
26 05 33 23-0370 EA #AL3356R Single Device Cover Plate.....	14.47	2.37
26 05 33 23-0371 5" x 2" Two Piece Surface Aluminum Raceways (Wiremold #AL5200) (26 05 33 23-0315)		
26 05 33 23-0372 LF #AL5200B-10, 5" x 2" Two Piece Surface Aluminum Raceway Base.....	19.62	4.27
For Concrete Or Masonry Surface, Add	0.46	
26 05 33 23-0373 LF #AL5200C Aluminum Raceway Cover.....	7.64	0.47
26 05 33 23-0374 LF #AL5200D Divider.....	4.55	0.47
26 05 33 23-0375 EA #AL5200WC Wire Clips For Conductors.....	6.45	2.37
26 05 33 23-0376 EA #AL5200WC2 Wire Clips For Conductors.....	5.52	2.37
26 05 33 23-0377 EA #AL5200WC3 Wire Clips For Conductors.....	5.49	2.37
26 05 33 23-0378 EA #AL5201 Couplings.....	13.29	2.85
26 05 33 23-0379 EA #AL5206 Cover Clip.....	11.34	2.85
26 05 33 23-0380 EA #AL5209 Ground Adapter.....	14.46	2.85
26 05 33 23-0381 EA #AL5210B Blank End Fittings.....	14.94	3.80
26 05 33 23-0382 EA #AL5210B1 Blank End Fittings.....	15.90	3.80
26 05 33 23-0383 EA #AL5210B2 Blank End Fittings.....	16.12	3.80
26 05 33 23-0384 EA #AL5210B3 Blank End Fittings.....	15.68	3.80
26 05 33 23-0385 EA #AL5211 Flat 90 Degree Elbow.....	78.22	11.85
Note: Includes two (2) pairs of AL5201 couplings.		
26 05 33 23-0386 EA #AL5214 Wall Box Connector.....	64.00	14.70
26 05 33 23-0387 EA #AL5215 Tee Fitting.....	91.90	14.70
Note: Includes three (3) pairs of AL5201 couplings.		
26 05 33 23-0388 EA #AL5216 Four Way Fitting.....	100.16	14.70
Note: Includes four (4) pairs of AL5201 couplings.		
26 05 33 23-0389 EA #AL5217 Internal Elbow.....	82.29	14.70
Note: Includes two (2) pairs of AL5201 couplings.		
26 05 33 23-0390 EA #AL5217A Internal Corner Coupling.....	38.81	14.70
26 05 33 23-0391 EA #AL5217N Inverted Internal Elbow.....	84.39	14.70
26 05 33 23-0392 EA #AL5218 External Elbow.....	82.94	14.70
Note: Includes two (2) pairs of AL5201 couplings.		
26 05 33 23-0393 EA #AL5246B Blank Device Cover Plate.....	17.64	2.85
26 05 33 23-0394 EA #AL5246D Receptacle Device Cover Plate.....	20.66	2.85
26 05 33 23-0395 EA #AL5246DD Double Receptacle Device Cover Plate.....	24.28	2.85
26 05 33 23-0396 EA #AL5246F Device Cover Plate.....	22.85	2.85
26 05 33 23-0397 EA #AL5246G Device Cover Plate.....	21.20	2.85
26 05 33 23-0398 EA #AL5260 Offset Divider.....	20.83	6.16



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 23-0399 3" x 2-1/4" Two Piece Surface Aluminum Raceways (Wiremold #ALA3800) <small>(26 05 33 23-0315)</small>		
26 05 33 23-0400 LF #ALA3800B-10 Single Channel, 3" x 2-1/4" Two Piece Surface Aluminum Raceway Base	17.54	4.27
26 05 33 23-0401 EA #ALA3806 Cover Clip	8.70	2.85
26 05 33 23-0402 EA #ALA3810B Blank End Fittings.....	14.69	3.80
26 05 33 23-0403 EA #ALA3810B1 Entrance End Cap Fittings.....	15.64	3.80
26 05 33 23-0404 EA #ALA3811 Flat 90 Degree Elbow.....	76.48	11.85
Note: Includes two (2) ALA01 couplings.		
26 05 33 23-0405 EA #ALA3815 Flat Tee Fitting	80.09	14.70
Note: Includes three (3) ALA01 couplings.		
26 05 33 23-0406 EA #ALA3817 Internal Elbow	78.27	14.70
Note: Includes two (2) ALA01 couplings.		
26 05 33 23-0407 EA #ALA3817N Inverted Internal Elbow.....	90.88	14.70
Note: Includes two (2) ALA01 couplings.		
26 05 33 23-0408 EA #ALA3818 External Elbow	79.21	14.70
Note: Includes two (2) ALA01 couplings.		
 26 05 33 23-0409 6" x 2-1/4" Two Piece Surface Aluminum Raceways (Wiremold #ALA4800) <small>(26 05 33 23-0315)</small>		
26 05 33 23-0410 LF #ALA4800B-10 Two Channel, 6" x 2-1/4" Two Piece Surface Aluminum Raceway Base	25.24	4.27
26 05 33 23-0411 EA #ALA4806 Cover Clip	11.40	2.85
26 05 33 23-0412 EA #ALA4810B Blank End Fittings.....	14.97	3.80
26 05 33 23-0413 EA #ALA4810B2 Entrance End Cap Fittings.....	16.43	3.80
26 05 33 23-0414 EA #ALA4811 Flat 90 Degree Elbow.....	90.38	11.85
Note: Includes four (4) ALA01 couplings.		
26 05 33 23-0415 EA #ALA4815 Flat Tee Fitting	122.85	14.70
Note: Includes six (6) ALA01 couplings.		
26 05 33 23-0416 EA #ALA4817 Internal Elbow	85.58	14.70
Note: Includes four (4) ALA01 couplings.		
26 05 33 23-0417 EA #ALA4817N Inverted Internal Elbow.....	99.31	14.70
Note: Includes four (4) ALA01 couplings.		
26 05 33 23-0418 EA #ALA4818 External Elbow	89.45	14.70
Note: Includes four (4) ALA01 couplings.		
 26 05 33 23-0419 Two Piece Surface Aluminum Raceways Fittings (Wiremold #ALA3800 And #ALA4800) <small>(26 05 33 23-0315)</small>		
26 05 33 23-0420 LF #ALAC-5 3" Wide Aluminum Raceway Cover.....	5.41	0.47
Note: For use with ALA3800 single channel raceway and ALA4800 dual channel raceway.		
26 05 33 23-0421 EA #ALAWC Wire Clips.....	5.21	2.37
26 05 33 23-0422 EA #ALA01 Slide Couplings	13.42	2.85
26 05 33 23-0423 EA #ALA09 Grounding Adapter.....	11.81	2.85
26 05 33 23-0424 EA #ALA11RI Bend Radius Control Insert For Flat Elbow	32.26	11.85
26 05 33 23-0425 EA #ALA17A Internal Corner Coupling.....	38.78	14.70
26 05 33 23-0426 EA #ALA17/18RI Bend Radius Control Insert For Internal And External Elbow	35.16	11.85
26 05 33 23-0427 EA #ALA-BL Blank Cover Plate.....	13.50	2.85
26 05 33 23-0428 EA #ALA-DR Duplex Receptacle Cover Plate	14.29	2.85
26 05 33 23-0429 EA #ALA-E Single Receptacle Cover Plate, 1.40" Diameter Opening.....	14.81	2.85
26 05 33 23-0430 EA #ALA-F Single Receptacle Cover Plate, 1.59" Diameter Opening	15.42	2.85
26 05 33 23-0431 EA #ALA-G GFCI/Surge/Decorator Cover Plate.....	14.40	2.85
26 05 33 23-0432 EA #ALA-J Single Receptacle Cover Plate, 2.13" Diameter Opening	14.83	2.85
26 05 33 23-0433 EA #ALA-N Toggle Switch Cover Plate	15.17	2.85
26 05 33 23-0434 EA #ALA-LPB Active LPB Cover Plate.....	19.01	2.85
26 05 33 23-0435 EA #ALA-MAB Active MAB Cover Plate.....	17.96	2.85
26 05 33 23-0436 EA #ALA-MABRT Ortronics Cover Plate.....	20.47	2.85
26 05 33 23-0437 EA #ALA-SG 1-3/4" x 2-3/4" Cover Plate	14.80	2.85
26 05 33 23-0438 EA #ALA-2A Active 2A Cover Plate.....	19.83	2.85
26 05 33 23-0439 EA #ALA-ABRT Ortronics Communications Cover Plate	18.27	2.85
26 05 33 23-0440 EA #ALA-Z 3/4" Grommet/Mousehole Cover Plate	15.14	2.85
26 05 33 23-0441 EA #ALA-LPB3S2 Ortronics Low Profile Cover Plate.....	18.42	2.85
 26 05 33 23-0442 Surface Metal Raceway, Preassembled With Outlets <small>(26 05 33 23-0056)</small>		
Note: Exposed installations on masonry, concrete block or drywall walls or ceilings. Labor units to include material handling, unloading at job site, layout of job, measuring, cutting and assembly (Wiremold or approved equal).		
26 05 33 23-0443 LF Plugmold #2000, 3' With Outlets 6" On Center, Single Circuit.....	23.85	7.57
For Concrete Or Masonry Surface, Add	0.76	
26 05 33 23-0444 LF Plugmold #2000, 6' With Outlets 6" On Center, Single Circuit.....	18.39	5.40
For Concrete Or Masonry Surface, Add	0.54	
26 05 33 23-0445 LF Plugmold #2000, 6' With Outlets 9" On Center, Single Circuit.....	17.44	5.71
For Concrete Or Masonry Surface, Add	0.57	
26 05 33 23-0446 LF Plugmold #2000, 6' With Outlets 12" On Center, Single Circuit.....	19.03	5.40
For Concrete Or Masonry Surface, Add	0.54	
26 05 33 23-0447 LF Plugmold #2000, 6' With Outlets 18" On Center, Single Circuit.....	15.69	5.50
For Concrete Or Masonry Surface, Add	0.55	
26 05 33 23-0448 LF Plugmold #2000, 6' With Outlets 9" On Center, Two Circuits	21.16	5.40
For Concrete Or Masonry Surface, Add	0.54	
26 05 33 23-0449 LF Plugmold #2000, 6' With Outlets 12" On Center, Two Circuits	18.84	5.40
For Concrete Or Masonry Surface, Add	0.54	
26 05 33 23-0450 LF Plugmold #2000, 6' With Outlets 18" On Center, Two Circuits	20.24	5.40
For Concrete Or Masonry Surface, Add	0.54	

26 Electrical**26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

26 05 33 23-0451	Surface Non-Metallic Raceways (26 05 33 23-0001) Note: Exposed on flat wall surface. Labor units include material unloading, unpacking at job site, layout of job, assembly and installation.		
26 05 33 23-0452	One Piece Surface Non-Metallic Raceways (26 05 33 23-0451) Note: Exposed on flat wall surface. Labor units include material unloading, unpacking at job site, layout of job, assembly and installation. (Wiremold or approved equal).		
26 05 33 23-0453	#400, 7/8" x 7/16" (26 05 33 23-0452)		
26 05 33 23-0454	LF #400BAC, 7/8" x 7/16" One Piece Surface Non-Metallic Raceway Base And Cover.....	5.32	1.89
	<i>For Concrete Or Masonry Surface, Add</i>	0.19	
26 05 33 23-0455	EA #400WC Wire Clip	4.12	1.89
26 05 33 23-0456	EA #406 Cover Clip.....	4.33	1.89
26 05 33 23-0457	EA #410B Blank End Clip.....	8.34	3.80
26 05 33 23-0458	EA #411 Flat 90 Degree Elbow	9.61	3.80
26 05 33 23-0459	EA #415 Tee.....	12.08	4.74
26 05 33 23-0460	EA #417 Internal Elbow	9.44	3.80
26 05 33 23-0461	EA #418 External Elbow	9.44	3.80
26 05 33 23-0462	#800, 1-5/16" x 7/16" (26 05 33 23-0452)		
26 05 33 23-0463	LF #800BAC, 1-5/16" x 7/16" One Piece Surface Non-Metallic Raceway Base And Cover.....	6.12	1.89
	<i>For Concrete Or Masonry Surface, Add</i>	0.19	
26 05 33 23-0464	EA #800WC Wire Clip	4.18	1.89
26 05 33 23-0465	EA #806 Cover Clip	4.27	1.89
26 05 33 23-0466	EA #810A2 Entrance End Fitting.....	12.74	3.80
26 05 33 23-0467	EA #810B Blank End Fitting	8.42	3.80
26 05 33 23-0468	EA #811 Flat 90 Degree Elbow	9.68	3.80
26 05 33 23-0469	EA #815 Tee.....	12.15	4.74
26 05 33 23-0470	EA #817 Internal Elbow	9.49	3.80
26 05 33 23-0471	EA #818 External Elbow	9.49	3.80
26 05 33 23-0472	EA #889A End Reducer, #800 To #400.....	10.67	3.80
26 05 33 23-0473	#2300, 2-1/4" x 11/16" (26 05 33 23-0452)		
26 05 33 23-0474	LF #2300BAC, 2-1/4" x 11/16" One Piece Surface Non-Metallic Raceway Base And Cover.....	7.02	1.89
	<i>For Concrete Or Masonry Surface, Add</i>	0.19	
26 05 33 23-0475	LF #2300BACD, 2-1/4" x 11/16" One Piece Surface Non-Metallic Divided Raceway Base And Cover.....	7.46	1.89
	<i>For Concrete Or Masonry Surface, Add</i>	0.19	
26 05 33 23-0476	EA #2300WC Wire Clip	4.38	1.89
26 05 33 23-0477	EA #2306 Cover Clip	4.60	1.89
26 05 33 23-0478	EA #2310A Entrance End Fitting.....	13.81	3.80
26 05 33 23-0479	EA #2310B Blank End Fitting	8.85	3.80
26 05 33 23-0480	EA #2310DFO Divided Entrance End Fitting.....	15.50	3.80
26 05 33 23-0481	EA #2311 Flat 90 Degree Elbow	9.85	3.80
26 05 33 23-0482	EA #2311DFO Divided Flat 90 Degree Elbow	10.57	3.80
26 05 33 23-0483	EA #2315 Tee.....	12.25	4.74
26 05 33 23-0484	EA #2317 Internal Elbow	9.85	3.80
26 05 33 23-0485	EA #2317DFO Divided Internal Elbow.....	10.58	3.80
26 05 33 23-0486	EA #2318 External Elbow	9.87	3.80
26 05 33 23-0487	EA #2318DFO Divided External Elbow.....	10.71	3.80
26 05 33 23-0488	EA #2389 End Reducer, #2300 To #400.....	10.72	3.80
26 05 33 23-0489	EA #2389A End Reducer, #2300 To #800.....	11.18	3.80
26 05 33 23-0490	#400, #800 Or #2300 Fittings (26 05 33 23-0452)		
26 05 33 23-0491	EA #2336 Blank Cover, 4-1/2" Diameter	11.87	3.32
26 05 33 23-0492	EA #2337A Extension Box, 5-1/2" Diameter.....	19.35	3.80
26 05 33 23-0493	EA #2338-A Fixture Box, 5-1/2" Diameter	19.46	3.80
26 05 33 23-0494	EA #2344 Extra Deep Device Box, 1 Gang, 2-3/4" Deep x 4-3/4" Long x 3" Wide.....	17.58	3.80
26 05 33 23-0495	EA #2344-2 Extra Deep Device Box, 2 Gang, 2-3/4" Deep x 4-3/4" Long x 4-7/8" Wide.....	20.33	3.80
26 05 33 23-0496	EA #2344D Extra Deep Divided Device Box, 1 Gang, 2-3/4" Deep x 4-3/4" Long x 3" Wide.....	19.13	3.80
26 05 33 23-0497	EA #2344SD-2A Deep Divided Device Box, 2 Gang, 2-1/4" Deep x 4-3/4" Long x 4-7/8" Wide.....	20.76	3.80
26 05 33 23-0498	EA #2347 1-Gang Standard Device Box, 1-3/8" Deep x 4-3/4" Long x 3" Wide	17.72	6.16
26 05 33 23-0499	EA #2347-2 2-Gang Standard Device Box, 1-3/8" Deep x 4-3/4" Long x 4-7/8" Wide	20.14	6.16
26 05 33 23-0500	EA #2348 1-Gang Deep Device Box, 1-3/4" Deep x 4-3/4" Long x 3" Wide	18.42	6.16
26 05 33 23-0501	EA #2348-2 2-Gang Deep Device Box, 1-3/4" Deep x 4-3/4" Long x 4-7/8" Wide.....	22.07	6.16
26 05 33 23-0502	EA #2348-3 3-Gang Deep Device Box, 1-3/4" Deep x 5" Long x 7" Wide	26.32	6.16
26 05 33 23-0503	EA #2348AMP 1-Gang Deep Device Box With Magnetic Backing, 1-3/4" Deep x 4-3/4" Long x 3" Wide.....	24.97	6.16
26 05 33 23-0504	EA #2348D 1-Gang Divided Deep Device Box, 1-3/4" Deep x 4-3/4" Long x 3" Wide.....	22.65	6.16
26 05 33 23-0505	EA #2348S/51 Shallow Device And Extension Box, 7/8" Deep x 4-3/4" Long x 3" Wide.....	17.35	6.16
26 05 33 23-0506	#2700, 3/4" x 3/8" (26 05 33 23-0452)		
26 05 33 23-0507	LF #2700, 3/4" x 3/8" One Piece Surface Non-Metallic Raceway Base And Cover	5.01	1.89
	<i>For Concrete Or Masonry Surface, Add</i>	0.19	
26 05 33 23-0508	EA #2700WC 3/4" Wire Clip	2.15	0.95
26 05 33 23-0509	EA #2706 Cover Clip.....	3.17	0.95
26 05 33 23-0510	EA #2710B Blank End	5.07	1.89
26 05 33 23-0511	EA #2711 Flat 90 Degree Elbow	6.04	2.37



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 23-0512 EA #2715 Tee.....	9.85	4.27
26 05 33 23-0513 EA #2717 Internal Elbow.....	6.99	2.85
26 05 33 23-0514 EA #2718 External Elbow.....	6.98	2.85
26 05 33 23-0515 EA #2786 Drop Ceiling Connector.....	8.24	3.32
26 05 33 23-0516 #2800, 1" x 1/2" <small>(26 05 33 23-0452)</small>		
26 05 33 23-0517 LF #2800, 1" x 1/2" One Piece Surface Non-Metallic Raceway Base And Cover.....	6.43	2.37
<i>For Concrete Or Masonry Surface, Add</i>	<i>0.24</i>	
26 05 33 23-0518 EA #2800WC 1" Wire Clip.....	3.21	1.42
26 05 33 23-0519 EA #2806 Cover Clip.....	4.22	1.42
26 05 33 23-0520 EA #2810B Blank End.....	6.11	2.37
26 05 33 23-0521 EA #2811 Flat 90 Degree Elbow.....	8.07	3.32
26 05 33 23-0522 EA #2811FO Radiused Flat 90 Degree Elbow.....	8.57	3.32
26 05 33 23-0523 EA #2815 Tee.....	11.86	5.22
26 05 33 23-0524 EA #2817 Internal Elbow.....	9.00	3.80
26 05 33 23-0525 EA #2818 External Elbow.....	9.02	3.80
26 05 33 23-0526 EA #2815FO Radiused Tee.....	12.53	5.22
26 05 33 23-0527 EA #2817FO Radiused Internal Elbow.....	9.60	3.80
26 05 33 23-0528 EA #2818FO Radiused External Elbow.....	9.52	3.80
26 05 33 23-0529 EA #2886 Drop Ceiling Connector.....	10.16	4.27
26 05 33 23-0530 EA #2889 2800-2700 Reducer.....	9.14	3.80
26 05 33 23-0531 #2900, 1-1/2" x 3/4" <small>(26 05 33 23-0452)</small>		
26 05 33 23-0532 LF #2900, 1-1/2" x 3/4" One Piece Surface Non-Metallic Raceway Base And Cover.....	7.82	2.85
<i>For Concrete Or Masonry Surface, Add</i>	<i>0.28</i>	
26 05 33 23-0533 EA #2900WC 1-1/2" Wire Clip.....	4.25	1.89
26 05 33 23-0534 EA #2906 Cover Clip.....	5.28	1.89
26 05 33 23-0535 EA #2910B Blank End.....	7.17	2.85
26 05 33 23-0536 EA #2911 Flat 90 Degree Elbow.....	9.08	3.80
26 05 33 23-0537 EA #2911FO Radiused Flat 90 Degree Elbow.....	9.86	3.80
26 05 33 23-0538 EA #2915 Tee.....	12.87	5.69
26 05 33 23-0539 EA #2915FO Radiused Tee.....	13.67	5.69
26 05 33 23-0540 EA #2918FO Radiused External Elbow.....	11.07	4.27
26 05 33 23-0541 EA #2917 Internal Elbow.....	10.03	4.27
26 05 33 23-0542 EA #2917FO Radiused Internal Elbow.....	10.84	4.27
26 05 33 23-0543 EA #2918 External Elbow.....	10.02	4.27
26 05 33 23-0544 EA #2986 Drop Ceiling Connector.....	10.16	4.27
26 05 33 23-0545 EA #2989 2900-2800 Reducer.....	11.29	4.74
26 05 33 23-0546 EA #2989A 2900-2700 Reducer.....	11.02	4.74
26 05 33 23-0547 Two Piece Surface Non-Metallic Raceways <small>(26 05 33 23-0451)</small>		
Note: Exposed on flat wall surface. Labor units include material unloading, unpacking at job site, layout of job, assembly and installation. (Wiremold or approved equal).		
26 05 33 23-0548 #5000, 5" x 1" <small>(26 05 33 23-0547)</small>		
26 05 33 23-0549 LF #5000B, 5" x 1" Two Piece Surface Non-Metallic Raceway Base.....	12.38	4.27
<i>For Concrete Or Masonry Surface, Add</i>	<i>0.43</i>	
26 05 33 23-0550 LF #5000C Cover, Black, Gray Or White.....	11.79	4.27
26 05 33 23-0551 LF #5000COA Cover, Oak Veneer.....	21.76	4.27
26 05 33 23-0552 LF #5000CW Cover, Maple Wood Veneer.....	17.82	4.27
26 05 33 23-0553 LF #5000T Quarter Round Trim, Black, Gray Or White.....	1.66	0.47
26 05 33 23-0554 LF #5000TOA Quarter Round Trim, Oak Veneer.....	6.66	0.47
26 05 33 23-0555 LF #5000TW Quarter Round Trim, Maple Wood Veneer.....	4.15	0.47
26 05 33 23-0556 EA #5001 Base Coupling.....	11.51	4.74
26 05 33 23-0557 EA #5004 Blank/Coax Adapter.....	6.42	2.37
26 05 33 23-0558 EA #5005 Low Voltage Blank Plate.....	8.54	2.85
26 05 33 23-0559 EA #5006 Cover Clip.....	12.35	4.74
26 05 33 23-0560 EA #5006A Internal Wire Guard.....	11.59	4.74
26 05 33 23-0561 EA #5007C Device Bracket.....	13.15	4.74
26 05 33 23-0562 EA #5007C-1 Device Plate.....	23.92	9.49
26 05 33 23-0563 EA #5007C-2 Deep Device Plate.....	24.72	9.49
26 05 33 23-0564 EA #5010 End Cap, Right Or Left.....	20.94	9.01
26 05 33 23-0565 EA #5010A Entrance End Feed.....	40.26	14.70
26 05 33 23-0566 EA #5017B Internal Base Elbow.....	28.15	11.85
26 05 33 23-0567 EA #5017C Internal Cover Elbow.....	25.25	9.49
26 05 33 23-0568 EA #5017WG Internal Elbow Wire Guard.....	17.38	7.11
26 05 33 23-0569 EA #5018B External Base Elbow.....	28.10	11.85
26 05 33 23-0570 EA #5018C External Cover Elbow.....	25.47	9.49
26 05 33 23-0571 EA #5018WG External Elbow Wire Guard.....	11.37	4.74
26 05 33 23-0572 #5400, 5-1/4" x 1-11/16" <small>(26 05 33 23-0547)</small>		
26 05 33 23-0573 LF #5400TB Two Compartment, 5-1/4" x 1-11/16" Two Piece Surface Non-Metallic Raceway Base.....	13.04	4.27
<i>For Concrete Or Masonry Surface, Add</i>	<i>0.43</i>	
26 05 33 23-0574 LF #5400C Full Width Cover.....	4.25	0.47
26 05 33 23-0575 LF #5400TC Twin Snap Cover.....	2.78	0.47
26 05 33 23-0576 EA #5400TWC Twin Snap Cover Wire Clips.....	5.22	2.37
26 05 33 23-0577 EA #5406A Cover Clip.....	8.49	2.85

26 Electrical**26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 23-0578	EA		#5406T Twin Cover Clip	7.28	2.85
26 05 33 23-0579	EA		#5406TB Base Seam Clip.....	6.59	2.85
26 05 33 23-0580	EA		#5408 L Or R (Left Or Right) Transition Fitting	47.99	14.70
26 05 33 23-0581	EA		#5410 End Cap.....	24.01	9.01
26 05 33 23-0582	EA		#5410DFO Radiused Divided Entrance Cap Fitting.....	46.20	14.70
26 05 33 23-0583	EA		#5411FO Radiused Flat 90 Degree Elbow	41.74	11.85
26 05 33 23-0584	EA		#5415 Tee Fitting.....	48.41	14.70
26 05 33 23-0585	EA		#5415FO Radiused Tee Fitting.....	50.50	14.70
26 05 33 23-0586	EA		#5417FO Radiused Internal Elbow	40.74	14.70
26 05 33 23-0587	EA		#5418 External Elbow	41.26	14.70
26 05 33 23-0588	EA		#5418FO Radiused External Elbow.....	41.74	14.70
26 05 33 23-0589	EA		#5450 5-5/32" x 6" Device Bracket	19.08	4.74
26 05 33 23-0590	EA		#5450A3 7-19/32" x 7-1/2" Device Bracket.....	24.78	4.74
26 05 33 23-0591	EA		#5450T 2-1/2" x 4-7/8" Twin Snap Device Bracket	14.86	4.74
26 05 33 23-0592	EA		#5474 Transition Fitting	42.73	14.70
26 05 33 23-0593			#5500, 6-11/16" x 1-11/16" <small>(26 05 33 23-0547)</small>		
26 05 33 23-0594	LF		#5500BD3 Three Compartment Divided, 6-11/16" x 1-11/16" Two Piece Surface Non-Metallic Raceway Base	16.03	4.27
			<i>For Concrete Or Masonry Surface, Add</i>	0.43	
26 05 33 23-0595	LF		#5500C Cover.....	5.54	0.47
26 05 33 23-0596	EA		#5500WC Wire Clips.....	5.98	2.37
26 05 33 23-0597	EA		#5506 Cover Clip.....	9.45	2.85
26 05 33 23-0598	EA		#5506B Base Seam Clip Fitting.....	6.91	2.85
26 05 33 23-0599	EA		#5507AD Modular Furniture Adapter	8.86	2.85
26 05 33 23-0600	EA		#5507B Blank Faceplate.....	8.89	2.85
26 05 33 23-0601	EA		#5507D Duplex Receptacle Faceplate.....	8.94	2.85
26 05 33 23-0602	EA		#5507FRJ Dual RJ Connector Faceplate	8.94	2.85
26 05 33 23-0603	EA		#5507R Rectangular Receptacle Faceplate	8.85	2.85
26 05 33 23-0604	EA		#5507RJ Dual RJ Connector Faceplate.....	8.87	2.85
26 05 33 23-0605	EA		#5507S Rectangular Spacer Fitting	8.81	2.85
26 05 33 23-0606	EA		#5507SW Switch Faceplate	8.83	2.85
26 05 33 23-0607	EA		#5507T1 Twistlock Faceplate	8.89	2.85
26 05 33 23-0608	EA		#5507T2 Single Receptacle Faceplate	8.72	2.85
26 05 33 23-0609	EA		#5550 6-5/8" x 6" Device Bracket	22.57	4.74
26 05 33 23-0610	EA		#5550A4 9-5/8" x 7-1/2" Device Bracket.....	29.92	4.74
26 05 33 23-0611	EA		#5510 End Cap.....	25.85	9.01
26 05 33 23-0612	EA		#5510D Entrance End Fitting.....	52.09	14.70
26 05 33 23-0613	EA		#5511FO Radiused Flat 90 Degree Elbow	47.16	11.85
26 05 33 23-0614	EA		#5514A Backfeed Connector	38.48	11.85
26 05 33 23-0615	EA		#5515 Tee Fitting.....	54.57	14.70
26 05 33 23-0616	EA		#5517FO Radiused Internal Elbow	44.50	14.70
26 05 33 23-0617	EA		#5518 External Elbow	45.51	14.70
26 05 33 23-0618	EA		#5518FO Radiused External Elbow.....	47.63	14.70
26 05 33 23-0619	EA		#5574 Transition Fitting	43.49	14.70
26 05 33 23-0620	EA		#5574A Transition Fitting.....	57.25	14.70
26 05 36 Cable Trays For Electrical Systems <small>(26 05)</small>					
26 05 36 00-0001			Cable Trays <small>(26 05 36)</small>		
			Note: Excludes supporting hangers.		
26 05 36 00-0002			Ladder Bottom Galvanized Steel Cable Tray <small>(26 05 36 00-0001)</small>		
26 05 36 00-0003			4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray <small>(26 05 36 00-0002)</small>		
26 05 36 00-0004			4" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray <small>(26 05 36 00-0003)</small>		
26 05 36 00-0005	LF		6" Wide, 4" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray	26.43	9.96
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-1.81	
26 05 36 00-0006	LF		9" Wide, 4" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray	28.45	10.69
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-1.96	
26 05 36 00-0007	LF		12" Wide, 4" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray	31.03	11.52
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-2.14	
26 05 36 00-0008	LF		18" Wide, 4" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray	34.03	12.24
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-2.39	
26 05 36 00-0009	LF		24" Wide, 4" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray	36.75	12.66
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-2.62	
26 05 36 00-0010	LF		30" Wide, 4" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray	44.16	14.63
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-3.20	
26 05 36 00-0011	LF		36" Wide, 4" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray	49.79	16.71
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-3.59	
26 05 36 00-0012			6" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray <small>(26 05 36 00-0003)</small>		
26 05 36 00-0013	LF		6" Wide, 6" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray	25.22	9.76
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-1.71	
26 05 36 00-0014	LF		9" Wide, 6" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray	27.14	10.38
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-1.85	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0015 LF 12" Wide, 6" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	29.11 -1.97	11.31
26 05 36 00-0016 LF 18" Wide, 6" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	31.53 -2.16	11.93
26 05 36 00-0017 LF 24" Wide, 6" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	33.60 -2.33	12.35
26 05 36 00-0018 LF 30" Wide, 6" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	39.29 -2.75	14.22
26 05 36 00-0019 LF 36" Wide, 6" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	42.99 -3.00	15.57
26 05 36 00-0020 9" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray <small>(26 05 36 00-0003)</small>		
26 05 36 00-0021 LF 6" Wide, 9" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	24.44 -1.64	9.65
26 05 36 00-0022 LF 9" Wide, 9" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	25.23 -1.69	9.96
26 05 36 00-0023 LF 12" Wide, 9" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	27.45 -1.87	10.58
26 05 36 00-0024 LF 18" Wide, 9" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	29.73 -2.05	11.10
26 05 36 00-0025 LF 24" Wide, 9" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	31.74 -2.22	11.41
26 05 36 00-0026 LF 30" Wide, 9" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	34.55 -2.42	12.45
26 05 36 00-0027 LF 36" Wide, 9" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	37.23 -2.60	13.48
26 05 36 00-0028 12" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray <small>(26 05 36 00-0003)</small>		
26 05 36 00-0029 LF 6" Wide, 12" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	23.65 -1.59	9.24
26 05 36 00-0030 LF 9" Wide, 12" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	24.13 -1.63	9.45
26 05 36 00-0031 LF 12" Wide, 12" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	25.52 -1.72	9.96
26 05 36 00-0032 LF 18" Wide, 12" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	26.97 -1.83	10.48
26 05 36 00-0033 LF 24" Wide, 12" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	27.76 -1.90	10.48
26 05 36 00-0034 LF 30" Wide, 12" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	30.47 -2.11	11.31
26 05 36 00-0035 LF 36" Wide, 12" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	32.07 -2.22	11.83
26 05 36 00-0036 18" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray <small>(26 05 36 00-0003)</small>		
26 05 36 00-0037 LF 6" Wide, 18" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	23.28 -1.57	9.03
26 05 36 00-0038 LF 9" Wide, 18" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	23.71 -1.60	9.24
26 05 36 00-0039 LF 12" Wide, 18" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	25.09 -1.70	9.76
26 05 36 00-0040 LF 18" Wide, 18" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	26.31 -1.78	10.17
26 05 36 00-0041 LF 24" Wide, 18" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	26.67 -1.81	10.27
26 05 36 00-0042 LF 30" Wide, 18" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	28.43 -1.92	11.00
26 05 36 00-0043 LF 36" Wide, 18" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	29.72 -2.01	11.62
26 05 36 00-0044 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fittings <small>(26 05 36 00-0002)</small>		
26 05 36 00-0045 12" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0044)</small>		
26 05 36 00-0046 EA 6" Wide, 12" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	226.35 -13.97	104.07
26 05 36 00-0047 EA 9" Wide, 12" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	254.72 -15.59	118.49
26 05 36 00-0048 EA 12" Wide, 12" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	280.55 -17.14	131.04

26 Electrical**26 05 Common Work Results For Electrical****26 05 36 Cable Trays For Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0049 EA 18" Wide, 12" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	348.39	160.62
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-21.45	
26 05 36 00-0050 EA 24" Wide, 12" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	398.12	184.38
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-24.45	
26 05 36 00-0051 EA 30" Wide, 12" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	465.23	207.52
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-29.23	
26 05 36 00-0052 EA 36" Wide, 12" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	534.84	237.19
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-33.72	
26 05 36 00-0053 24" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0044)</small>		
26 05 36 00-0054 EA 6" Wide, 24" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	289.66	108.22
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-19.95	
26 05 36 00-0055 EA 9" Wide, 24" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	319.98	124.40
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-21.63	
26 05 36 00-0056 EA 12" Wide, 24" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	347.41	138.31
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-23.21	
26 05 36 00-0057 EA 18" Wide, 24" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	412.39	171.83
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-26.92	
26 05 36 00-0058 EA 24" Wide, 24" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	467.46	199.32
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-30.14	
26 05 36 00-0059 EA 30" Wide, 24" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	524.13	226.19
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-33.56	
26 05 36 00-0060 EA 36" Wide, 24" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	611.54	261.99
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-39.32	
26 05 36 00-0061 36" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0044)</small>		
26 05 36 00-0062 EA 6" Wide, 36" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	309.56	113.10
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-21.53	
26 05 36 00-0063 EA 9" Wide, 36" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	345.92	130.94
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-23.68	
26 05 36 00-0064 EA 12" Wide, 36" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	377.91	146.51
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-25.58	
26 05 36 00-0065 EA 18" Wide, 36" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	460.32	184.38
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-30.67	
26 05 36 00-0066 EA 24" Wide, 36" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	528.88	216.44
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-34.85	
26 05 36 00-0067 EA 30" Wide, 36" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	616.76	249.03
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-40.92	
26 05 36 00-0068 EA 36" Wide, 36" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	707.82	292.60
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-46.40	
26 05 36 00-0069 12" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0044)</small>		
26 05 36 00-0070 EA 6" Wide, 12" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	166.86	75.43
<i>For 60 Degree Bend, Deduct</i>	-26.16	
<i>For 30 Degree Bend, Deduct</i>	-47.79	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-10.40	
26 05 36 00-0071 EA 9" Wide, 12" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	193.60	90.48
<i>For 60 Degree Bend, Deduct</i>	-29.22	
<i>For 30 Degree Bend, Deduct</i>	-53.72	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-11.82	
26 05 36 00-0072 EA 12" Wide, 12" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	217.48	103.76
<i>For 60 Degree Bend, Deduct</i>	-31.99	
<i>For 30 Degree Bend, Deduct</i>	-59.09	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-13.10	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0073 EA 18" Wide, 12" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	265.60	131.15
<i>For 60 Degree Bend, Deduct</i>	-37.39	
<i>For 30 Degree Bend, Deduct</i>	-69.59	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-15.63	
26 05 36 00-0074 EA 24" Wide, 12" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	328.22	160.62
<i>For 60 Degree Bend, Deduct</i>	-46.74	
<i>For 30 Degree Bend, Deduct</i>	-86.83	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-19.44	
26 05 36 00-0075 EA 30" Wide, 12" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	384.67	184.38
<i>For 60 Degree Bend, Deduct</i>	-56.25	
<i>For 30 Degree Bend, Deduct</i>	-104.00	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-23.10	
26 05 36 00-0076 EA 36" Wide, 12" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	441.46	216.44
<i>For 60 Degree Bend, Deduct</i>	-62.70	
<i>For 30 Degree Bend, Deduct</i>	-116.53	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-26.11	
26 05 36 00-0077 24" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting (26 05 36 00-004)		
26 05 36 00-0078 EA 6" Wide, 24" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	181.74	77.82
<i>For 60 Degree Bend, Deduct</i>	-30.16	
<i>For 30 Degree Bend, Deduct</i>	-54.59	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-11.69	
26 05 36 00-0079 EA 9" Wide, 24" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	211.84	93.80
<i>For 60 Degree Bend, Deduct</i>	-33.94	
<i>For 30 Degree Bend, Deduct</i>	-61.79	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-13.37	
26 05 36 00-0080 EA 12" Wide, 24" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	242.71	108.32
<i>For 60 Degree Bend, Deduct</i>	-38.58	
<i>For 30 Degree Bend, Deduct</i>	-70.31	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-15.25	
26 05 36 00-0081 EA 18" Wide, 24" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	294.45	138.31
<i>For 60 Degree Bend, Deduct</i>	-44.14	
<i>For 30 Degree Bend, Deduct</i>	-81.25	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-17.92	
26 05 36 00-0082 EA 24" Wide, 24" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	363.64	171.83
<i>For 60 Degree Bend, Deduct</i>	-54.15	
<i>For 30 Degree Bend, Deduct</i>	-99.79	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-22.05	
26 05 36 00-0083 EA 30" Wide, 24" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	424.59	199.32
<i>For 60 Degree Bend, Deduct</i>	-63.72	
<i>For 30 Degree Bend, Deduct</i>	-117.28	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-25.85	
26 05 36 00-0084 EA 36" Wide, 24" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	501.34	237.29
<i>For 60 Degree Bend, Deduct</i>	-74.49	
<i>For 30 Degree Bend, Deduct</i>	-137.34	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-30.36	
26 05 36 00-0085 36" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting (26 05 36 00-004)		
26 05 36 00-0086 EA 6" Wide, 36" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	208.59	80.31
<i>For 60 Degree Bend, Deduct</i>	-38.07	
<i>For 30 Degree Bend, Deduct</i>	-67.90	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-14.17	
26 05 36 00-0087 EA 9" Wide, 36" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	241.54	97.53
<i>For 60 Degree Bend, Deduct</i>	-42.33	
<i>For 30 Degree Bend, Deduct</i>	-75.96	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-16.03	
26 05 36 00-0088 EA 12" Wide, 36" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	269.35	113.20
<i>For 60 Degree Bend, Deduct</i>	-45.49	
<i>For 30 Degree Bend, Deduct</i>	-82.11	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-17.50	
26 05 36 00-0089 EA 18" Wide, 36" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	331.68	146.51
<i>For 60 Degree Bend, Deduct</i>	-53.27	
<i>For 30 Degree Bend, Deduct</i>	-96.93	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-20.96	

26 Electrical**26 05 Common Work Results For Electrical****26 05 36 Cable Trays For Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0090 EA 24" Wide, 36" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	399.80	184.38
For 60 Degree Bend, Deduct	-61.25	
For 30 Degree Bend, Deduct	-112.32	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-24.61	
26 05 36 00-0091 EA 30" Wide, 36" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	480.13	216.44
For 60 Degree Bend, Deduct	-75.47	
For 30 Degree Bend, Deduct	-137.80	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-29.97	
26 05 36 00-0092 EA 36" Wide, 36" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	569.51	261.99
For 60 Degree Bend, Deduct	-87.50	
For 30 Degree Bend, Deduct	-160.39	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-35.12	
26 05 36 00-0093 12" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting (26 05 36 00-0044)		
26 05 36 00-0094 EA 6" Wide, 12" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	238.22	103.76
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-15.18	
26 05 36 00-0095 EA 9" Wide, 12" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	264.35	118.49
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-16.56	
26 05 36 00-0096 EA 12" Wide, 12" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	287.40	131.04
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-17.82	
26 05 36 00-0097 EA 18" Wide, 12" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	339.75	160.62
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-20.59	
26 05 36 00-0098 EA 24" Wide, 12" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	382.39	184.38
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-22.87	
26 05 36 00-0099 EA 30" Wide, 12" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	426.92	207.52
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-25.40	
26 05 36 00-0100 EA 36" Wide, 12" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	478.89	236.88
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-28.15	
26 05 36 00-0101 24" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting (26 05 36 00-0044)		
26 05 36 00-0102 EA 6" Wide, 24" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	272.70	108.22
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-18.25	
26 05 36 00-0103 EA 9" Wide, 24" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	302.08	124.51
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-19.83	
26 05 36 00-0104 EA 12" Wide, 24" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	328.89	138.31
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-21.36	
26 05 36 00-0105 EA 18" Wide, 24" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	389.88	171.83
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-24.67	
26 05 36 00-0106 EA 24" Wide, 24" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	440.95	199.32
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-27.49	
26 05 36 00-0107 EA 30" Wide, 24" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	491.86	226.19
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-30.33	
26 05 36 00-0108 EA 36" Wide, 24" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	565.79	261.99
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-34.74	
26 05 36 00-0109 36" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting (26 05 36 00-0044)		
26 05 36 00-0110 EA 6" Wide, 36" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	313.10	113.10
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-21.88	
26 05 36 00-0111 EA 9" Wide, 36" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	347.44	131.04
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-23.83	
26 05 36 00-0112 EA 12" Wide, 36" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	374.85	146.51
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-25.27	
26 05 36 00-0113 EA 18" Wide, 36" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	448.43	184.38
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-29.48	
26 05 36 00-0114 EA 24" Wide, 36" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	503.36	216.44
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-32.30	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0115 EA 30" Wide, 36" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	577.14	249.03
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-36.96	
26 05 36 00-0116 EA 36" Wide, 36" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	660.20	292.60
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-41.64	
26 05 36 00-0117 12" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting (26 05 36 00-0044)		
26 05 36 00-0118 EA 6" Wide, 12" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	436.72	199.32
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-27.07	
26 05 36 00-0119 EA 9" Wide, 12" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	473.16	216.44
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-29.28	
26 05 36 00-0120 EA 12" Wide, 12" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	495.67	226.19
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-30.72	
26 05 36 00-0121 EA 18" Wide, 12" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	550.84	249.03
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-34.33	
26 05 36 00-0122 EA 24" Wide, 12" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	619.97	276.41
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-38.96	
26 05 36 00-0123 EA 30" Wide, 12" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	678.95	293.12
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-43.47	
26 05 36 00-0124 EA 36" Wide, 12" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	768.51	331.82
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-49.20	
26 05 36 00-0125 24" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting (26 05 36 00-0044)		
26 05 36 00-0126 EA 6" Wide, 24" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	524.68	216.44
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-34.43	
26 05 36 00-0127 EA 9" Wide, 24" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	567.14	237.29
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-36.94	
26 05 36 00-0128 EA 12" Wide, 24" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	592.99	249.03
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-38.55	
26 05 36 00-0129 EA 18" Wide, 24" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	574.26	276.41
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-34.39	
26 05 36 00-0130 EA 24" Wide, 24" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	727.98	311.28
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-46.86	
26 05 36 00-0131 EA 30" Wide, 24" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	781.00	331.82
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-50.45	
26 05 36 00-0132 EA 36" Wide, 24" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	930.82	383.39
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-61.14	
26 05 36 00-0133 36" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting (26 05 36 00-0044)		
26 05 36 00-0134 EA 6" Wide, 36" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	640.51	237.29
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-44.28	
26 05 36 00-0135 EA 9" Wide, 36" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	691.15	261.99
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-47.28	
26 05 36 00-0136 EA 12" Wide, 36" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	732.36	276.41
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-50.20	
26 05 36 00-0137 EA 18" Wide, 36" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	810.71	311.28
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-55.13	
26 05 36 00-0138 EA 24" Wide, 36" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	921.61	355.38
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-62.55	
26 05 36 00-0139 EA 30" Wide, 36" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	997.95	383.39
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-67.85	
26 05 36 00-0140 EA 36" Wide, 36" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,139.65	452.39
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-76.26	

26 Electrical**26 05 Common Work Results For Electrical****26 05 36 Cable Trays For Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0141			12" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0044)</small>		
26 05 36 00-0142	EA		6" Wide, 12" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	485.30	184.38
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-33.16	
26 05 36 00-0143	EA		9" Wide, 12" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	498.97	191.64
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-33.92	
26 05 36 00-0144	EA		12" Wide, 12" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	513.21	199.32
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-34.71	
26 05 36 00-0145	EA		18" Wide, 12" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	544.97	216.44
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-36.46	
26 05 36 00-0146	EA		24" Wide, 12" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	564.35	226.19
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-37.58	
26 05 36 00-0147	EA		30" Wide, 12" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	614.84	249.03
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-40.73	
26 05 36 00-0148	EA		36" Wide, 12" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	668.36	276.41
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-43.80	
26 05 36 00-0149			24" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0044)</small>		
26 05 36 00-0150	EA		6" Wide, 24" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	653.70	199.32
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-48.76	
26 05 36 00-0151	EA		9" Wide, 24" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	672.13	207.52
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-49.92	
26 05 36 00-0152	EA		12" Wide, 24" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	691.71	216.44
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-51.13	
26 05 36 00-0153	EA		18" Wide, 24" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	735.74	237.29
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-53.80	
26 05 36 00-0154	EA		24" Wide, 24" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	764.70	249.03
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-55.72	
26 05 36 00-0155	EA		30" Wide, 24" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	819.78	276.41
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-58.94	
26 05 36 00-0156	EA		36" Wide, 24" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	893.45	311.28
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-63.41	
26 05 36 00-0157			36" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0044)</small>		
26 05 36 00-0158	EA		6" Wide, 36" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	961.77	216.44
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-78.14	
26 05 36 00-0159	EA		9" Wide, 36" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	985.83	226.19
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-79.73	
26 05 36 00-0160	EA		12" Wide, 36" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,012.04	237.29
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-81.43	
26 05 36 00-0161	EA		18" Wide, 36" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,061.11	261.99
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-84.28	
26 05 36 00-0162	EA		24" Wide, 36" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,092.96	276.41
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-86.26	
26 05 36 00-0163	EA		30" Wide, 36" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,174.43	311.28
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-91.50	
26 05 36 00-0164	EA		36" Wide, 36" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,255.67	355.38
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-95.96	
26 05 36 00-0165			12" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0044)</small>		
26 05 36 00-0166	EA		6" Wide, 12" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	544.60	249.03
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-33.71	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0167 EA 9" Wide, 12" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	572.51	261.99
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-35.42	
26 05 36 00-0168 EA 12" Wide, 12" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	609.04	276.41
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-37.87	
26 05 36 00-0169 EA 18" Wide, 12" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	650.85	293.12
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-40.66	
26 05 36 00-0170 EA 24" Wide, 12" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	734.17	331.82
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-45.76	
26 05 36 00-0171 EA 30" Wide, 12" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	809.21	355.38
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-51.31	
26 05 36 00-0172 EA 36" Wide, 12" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	880.87	383.39
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-56.14	
26 05 36 00-0173 24" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0044)</small>		
26 05 36 00-0174 EA 6" Wide, 24" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	712.07	276.41
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-48.17	
26 05 36 00-0175 EA 9" Wide, 24" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	747.63	293.12
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-50.34	
26 05 36 00-0176 EA 12" Wide, 24" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	785.74	311.28
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-52.63	
26 05 36 00-0177 EA 18" Wide, 24" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	837.20	331.82
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-56.07	
26 05 36 00-0178 EA 24" Wide, 24" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	941.75	383.39
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-62.23	
26 05 36 00-0179 EA 30" Wide, 24" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,014.86	415.03
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-66.90	
26 05 36 00-0180 EA 36" Wide, 24" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,128.72	452.39
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-75.17	
26 05 36 00-0181 36" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0044)</small>		
26 05 36 00-0182 EA 6" Wide, 36" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	870.03	311.28
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-61.06	
26 05 36 00-0183 EA 9" Wide, 36" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	919.93	331.82
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-64.34	
26 05 36 00-0184 EA 12" Wide, 36" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	974.68	355.38
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-67.86	
26 05 36 00-0185 EA 18" Wide, 36" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,060.39	383.39
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-74.09	
26 05 36 00-0186 EA 24" Wide, 36" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,222.38	452.39
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-84.53	
26 05 36 00-0187 EA 30" Wide, 36" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,336.09	497.21
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-92.17	
26 05 36 00-0188 EA 36" Wide, 36" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,469.48	553.87
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-100.79	
26 05 36 00-0189 12" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0044)</small>		
26 05 36 00-0190 EA 6" Wide, 12" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	602.90	249.03
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-39.54	
26 05 36 00-0191 EA 9" Wide, 12" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	633.76	262.10
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-41.53	
26 05 36 00-0192 EA 12" Wide, 12" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	675.69	276.41
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-44.54	
26 05 36 00-0193 EA 18" Wide, 12" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	724.09	293.22
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-47.97	

26 Electrical**26 05 Common Work Results For Electrical****26 05 36 Cable Trays For Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0194 EA 24" Wide, 12" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	815.66	331.82
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-53.91	
26 05 36 00-0195 EA 30" Wide, 12" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	907.13	355.48
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-61.09	
26 05 36 00-0196 EA 36" Wide, 12" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	988.96	382.87
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-66.99	
26 05 36 00-0197 24" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting (26 05 36 00-0044)		
26 05 36 00-0198 EA 6" Wide, 24" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	825.16	276.41
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-59.48	
26 05 36 00-0199 EA 9" Wide, 24" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	864.24	293.12
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-62.00	
26 05 36 00-0200 EA 12" Wide, 24" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	905.86	311.28
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-64.65	
26 05 36 00-0201 EA 18" Wide, 24" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	965.05	331.82
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-68.85	
26 05 36 00-0202 EA 24" Wide, 24" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,078.03	383.39
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-75.86	
26 05 36 00-0203 EA 30" Wide, 24" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,160.27	415.03
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-81.44	
26 05 36 00-0204 EA 36" Wide, 24" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,297.31	452.39
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-92.03	
26 05 36 00-0205 36" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting (26 05 36 00-0044)		
26 05 36 00-0206 EA 6" Wide, 36" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,028.09	311.28
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-76.87	
26 05 36 00-0207 EA 9" Wide, 36" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,085.01	331.82
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-80.85	
26 05 36 00-0208 EA 12" Wide, 36" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,146.79	355.38
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-85.07	
26 05 36 00-0209 EA 18" Wide, 36" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,250.05	383.39
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-93.06	
26 05 36 00-0210 EA 24" Wide, 36" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,433.12	452.39
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-105.61	
26 05 36 00-0211 EA 30" Wide, 36" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,564.39	497.21
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-115.00	
26 05 36 00-0212 EA 36" Wide, 36" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,715.34	553.87
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-125.38	
26 05 36 00-0213 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fittings (26 05 36 00-0002)		
26 05 36 00-0214 12" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting (26 05 36 00-0213)		
26 05 36 00-0215 EA 6" Wide, 12" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	218.78	104.07
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-13.21	
26 05 36 00-0216 EA 9" Wide, 12" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	246.55	118.49
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-14.78	
26 05 36 00-0217 EA 12" Wide, 12" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	271.67	131.04
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-16.25	
26 05 36 00-0218 EA 18" Wide, 12" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	336.87	160.62
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-20.30	
26 05 36 00-0219 EA 24" Wide, 12" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	385.15	184.38
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-23.15	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0220 EA 30" Wide, 12" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	448.18	207.52
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-27.52	
26 05 36 00-0221 EA 36" Wide, 12" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	514.91	237.19
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-31.73	
26 05 36 00-0222 24" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0213)</small>		
26 05 36 00-0223 EA 6" Wide, 24" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	274.05	108.22
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-18.39	
26 05 36 00-0224 EA 9" Wide, 24" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	303.89	124.40
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-20.02	
26 05 36 00-0225 EA 12" Wide, 24" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	330.72	138.31
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-21.54	
26 05 36 00-0226 EA 18" Wide, 24" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	394.38	171.83
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-25.12	
26 05 36 00-0227 EA 24" Wide, 24" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	448.13	199.32
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-28.21	
26 05 36 00-0228 EA 30" Wide, 24" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	503.11	226.19
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-31.46	
26 05 36 00-0229 EA 36" Wide, 24" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	586.56	261.99
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-36.82	
26 05 36 00-0230 36" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0213)</small>		
26 05 36 00-0231 EA 6" Wide, 36" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	292.27	113.10
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-19.80	
26 05 36 00-0232 EA 9" Wide, 36" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	327.67	130.94
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-21.86	
26 05 36 00-0233 EA 12" Wide, 36" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	358.82	146.51
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-23.67	
26 05 36 00-0234 EA 18" Wide, 36" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	438.47	184.38
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-28.48	
26 05 36 00-0235 EA 24" Wide, 36" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	504.87	216.44
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-32.45	
26 05 36 00-0236 EA 30" Wide, 36" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	587.94	249.03
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-38.04	
26 05 36 00-0237 EA 36" Wide, 36" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	676.35	292.60
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-43.26	
26 05 36 00-0238 12" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0213)</small>		
26 05 36 00-0239 EA 6" Wide, 12" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	160.97	75.43
<i>For 60 Degree Bend, Deduct</i>	-24.22	
<i>For 30 Degree Bend, Deduct</i>	-44.55	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-9.81	
26 05 36 00-0240 EA 9" Wide, 12" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	187.47	90.48
<i>For 60 Degree Bend, Deduct</i>	-27.20	
<i>For 30 Degree Bend, Deduct</i>	-50.35	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-11.21	
26 05 36 00-0241 EA 12" Wide, 12" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	211.12	103.76
<i>For 60 Degree Bend, Deduct</i>	-29.90	
<i>For 30 Degree Bend, Deduct</i>	-55.59	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-12.47	
26 05 36 00-0242 EA 18" Wide, 12" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	258.88	131.15
<i>For 60 Degree Bend, Deduct</i>	-35.17	
<i>For 30 Degree Bend, Deduct</i>	-65.90	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-14.96	

26 Electrical**26 05 Common Work Results For Electrical****26 05 36 Cable Trays For Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0243	EA		24" Wide, 12" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	319.57	160.62
			<i>For 60 Degree Bend, Deduct</i>	-43.89	
			<i>For 30 Degree Bend, Deduct</i>	-82.07	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-18.57	
26 05 36 00-0244	EA		30" Wide, 12" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	373.62	184.38
			<i>For 60 Degree Bend, Deduct</i>	-52.61	
			<i>For 30 Degree Bend, Deduct</i>	-97.92	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-22.00	
26 05 36 00-0245	EA		36" Wide, 12" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	429.94	216.44
			<i>For 60 Degree Bend, Deduct</i>	-58.90	
			<i>For 30 Degree Bend, Deduct</i>	-110.20	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-24.96	
26 05 36 00-0246			24" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0213)</small>		
26 05 36 00-0247	EA		6" Wide, 24" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	174.30	77.82
			<i>For 60 Degree Bend, Deduct</i>	-27.70	
			<i>For 30 Degree Bend, Deduct</i>	-50.49	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-10.95	
26 05 36 00-0248	EA		9" Wide, 24" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	203.91	93.80
			<i>For 60 Degree Bend, Deduct</i>	-31.33	
			<i>For 30 Degree Bend, Deduct</i>	-57.42	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-12.57	
26 05 36 00-0249	EA		12" Wide, 24" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	233.83	108.32
			<i>For 60 Degree Bend, Deduct</i>	-35.65	
			<i>For 30 Degree Bend, Deduct</i>	-65.43	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-14.36	
26 05 36 00-0250	EA		18" Wide, 24" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	285.33	138.31
			<i>For 60 Degree Bend, Deduct</i>	-41.13	
			<i>For 30 Degree Bend, Deduct</i>	-76.23	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-17.00	
26 05 36 00-0251	EA		24" Wide, 24" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	352.59	171.83
			<i>For 60 Degree Bend, Deduct</i>	-50.50	
			<i>For 30 Degree Bend, Deduct</i>	-93.72	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-20.94	
26 05 36 00-0252	EA		30" Wide, 24" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	411.38	199.32
			<i>For 60 Degree Bend, Deduct</i>	-59.37	
			<i>For 30 Degree Bend, Deduct</i>	-110.01	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-24.53	
26 05 36 00-0253	EA		36" Wide, 24" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	486.21	237.29
			<i>For 60 Degree Bend, Deduct</i>	-69.50	
			<i>For 30 Degree Bend, Deduct</i>	-129.02	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-28.85	
26 05 36 00-0254			36" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0213)</small>		
26 05 36 00-0255	EA		6" Wide, 36" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	197.90	80.31
			<i>For 60 Degree Bend, Deduct</i>	-34.54	
			<i>For 30 Degree Bend, Deduct</i>	-62.02	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-13.10	
26 05 36 00-0256	EA		9" Wide, 36" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	230.25	97.53
			<i>For 60 Degree Bend, Deduct</i>	-38.60	
			<i>For 30 Degree Bend, Deduct</i>	-69.75	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-14.90	
26 05 36 00-0257	EA		12" Wide, 36" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	257.83	113.20
			<i>For 60 Degree Bend, Deduct</i>	-41.69	
			<i>For 30 Degree Bend, Deduct</i>	-75.78	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-16.35	
26 05 36 00-0258	EA		18" Wide, 36" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	319.19	146.51
			<i>For 60 Degree Bend, Deduct</i>	-49.15	
			<i>For 30 Degree Bend, Deduct</i>	-90.06	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-19.71	
26 05 36 00-0259	EA		24" Wide, 36" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	386.59	184.38
			<i>For 60 Degree Bend, Deduct</i>	-56.89	
			<i>For 30 Degree Bend, Deduct</i>	-105.06	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-23.29	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0260 EA 30" Wide, 36" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	463.08	216.44
<i>For 60 Degree Bend, Deduct</i>	-69.84	
<i>For 30 Degree Bend, Deduct</i>	-128.42	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-28.27	
26 05 36 00-0261 EA 36" Wide, 36" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	550.54	261.99
<i>For 60 Degree Bend, Deduct</i>	-81.24	
<i>For 30 Degree Bend, Deduct</i>	-149.95	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-33.22	
26 05 36 00-0262 12" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0213)</small>		
26 05 36 00-0263 EA 6" Wide, 12" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	233.00	103.76
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-14.65	
26 05 36 00-0264 EA 9" Wide, 12" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	259.01	118.49
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-16.02	
26 05 36 00-0265 EA 12" Wide, 12" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	281.87	131.04
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-17.27	
26 05 36 00-0266 EA 18" Wide, 12" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	306.89	160.62
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-17.30	
26 05 36 00-0267 EA 24" Wide, 12" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	376.39	184.38
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-22.27	
26 05 36 00-0268 EA 30" Wide, 12" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	420.44	207.52
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-24.75	
26 05 36 00-0269 EA 36" Wide, 12" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	472.16	236.88
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-27.47	
26 05 36 00-0270 24" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0213)</small>		
26 05 36 00-0271 EA 6" Wide, 24" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	265.32	108.22
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-17.51	
26 05 36 00-0272 EA 9" Wide, 24" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	294.52	124.51
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-19.08	
26 05 36 00-0273 EA 12" Wide, 24" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	321.02	138.31
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-20.57	
26 05 36 00-0274 EA 18" Wide, 24" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	381.59	171.83
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-23.84	
26 05 36 00-0275 EA 24" Wide, 24" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	432.25	199.32
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-26.62	
26 05 36 00-0276 EA 30" Wide, 24" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	482.67	226.19
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-29.42	
26 05 36 00-0277 EA 36" Wide, 24" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	555.46	261.99
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-33.71	
26 05 36 00-0278 36" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0213)</small>		
26 05 36 00-0279 EA 6" Wide, 36" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	303.14	113.10
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-20.89	
26 05 36 00-0280 EA 9" Wide, 36" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	337.11	131.04
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-22.79	
26 05 36 00-0281 EA 12" Wide, 36" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	364.40	146.51
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-24.23	
26 05 36 00-0282 EA 18" Wide, 36" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	437.15	184.38
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-28.35	
26 05 36 00-0283 EA 24" Wide, 36" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	491.96	216.44
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-31.16	
26 05 36 00-0284 EA 30" Wide, 36" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	564.17	249.03
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-35.67	

26 Electrical**26 05 Common Work Results For Electrical****26 05 36 Cable Trays For Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0285	EA		36" Wide, 36" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	646.40 -40.26	292.60
26 05 36 00-0286			12" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0213)</small>		
26 05 36 00-0287	EA		6" Wide, 12" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	428.67 -26.26	199.32
26 05 36 00-0288	EA		9" Wide, 12" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	464.52 -28.41	216.44
26 05 36 00-0289	EA		12" Wide, 12" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	486.54 -29.80	226.19
26 05 36 00-0290	EA		18" Wide, 12" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	540.39 -33.29	249.03
26 05 36 00-0291	EA		24" Wide, 12" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	607.72 -37.74	276.41
26 05 36 00-0292	EA		30" Wide, 12" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	664.30 -42.01	293.12
26 05 36 00-0293	EA		36" Wide, 12" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	751.94 -47.54	331.82
26 05 36 00-0294			24" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0213)</small>		
26 05 36 00-0295	EA		6" Wide, 24" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	512.07 -33.17	216.44
26 05 36 00-0296	EA		9" Wide, 24" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	553.93 -35.62	237.29
26 05 36 00-0297	EA		12" Wide, 24" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	579.30 -37.18	249.03
26 05 36 00-0298	EA		18" Wide, 24" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	637.98 -40.76	276.41
26 05 36 00-0299	EA		24" Wide, 24" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	711.89 -45.25	311.28
26 05 36 00-0300	EA		30" Wide, 24" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	763.47 -48.69	331.82
26 05 36 00-0301	EA		36" Wide, 24" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	908.37 -58.89	383.39
26 05 36 00-0302			36" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0213)</small>		
26 05 36 00-0303	EA		6" Wide, 36" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	621.66 -42.39	237.29
26 05 36 00-0304	EA		9" Wide, 36" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	671.58 -45.32	261.99
26 05 36 00-0305	EA		12" Wide, 36" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	711.47 -48.11	276.41
26 05 36 00-0306	EA		18" Wide, 36" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	788.26 -52.89	311.28
26 05 36 00-0307	EA		24" Wide, 36" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	896.27 -60.02	355.38
26 05 36 00-0308	EA		30" Wide, 36" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	970.33 -65.09	383.39
26 05 36 00-0309	EA		36" Wide, 36" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	1,109.99 -73.30	452.39
26 05 36 00-0310			12" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0213)</small>		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0311 EA 6" Wide, 12" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	471.61	184.38
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-31.79	
26 05 36 00-0312 EA 9" Wide, 12" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	485.16	191.64
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-32.54	
26 05 36 00-0313 EA 12" Wide, 12" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	499.28	199.32
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-33.32	
26 05 36 00-0314 EA 18" Wide, 12" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	530.80	216.44
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-35.04	
26 05 36 00-0315 EA 24" Wide, 12" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	549.94	226.19
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-36.14	
26 05 36 00-0316 EA 30" Wide, 12" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	599.47	249.03
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-39.20	
26 05 36 00-0317 EA 36" Wide, 12" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	652.39	276.41
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-42.20	
26 05 36 00-0318 24" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0213)</small>		
26 05 36 00-0319 EA 6" Wide, 24" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	628.97	199.32
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-46.29	
26 05 36 00-0320 EA 9" Wide, 24" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	647.03	207.52
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-47.41	
26 05 36 00-0321 EA 12" Wide, 24" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	666.25	216.44
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-48.59	
26 05 36 00-0322 EA 18" Wide, 24" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	709.56	237.29
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-51.18	
26 05 36 00-0323 EA 24" Wide, 24" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	737.80	249.03
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-53.03	
26 05 36 00-0324 EA 30" Wide, 24" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	792.16	276.41
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-56.18	
26 05 36 00-0325 EA 36" Wide, 24" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	864.63	311.28
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-60.52	
26 05 36 00-0326 36" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0213)</small>		
26 05 36 00-0327 EA 6" Wide, 36" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	915.54	216.44
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-73.52	
26 05 36 00-0328 EA 9" Wide, 36" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	939.00	226.19
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-75.05	
26 05 36 00-0329 EA 12" Wide, 36" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	964.61	237.29
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-76.69	
26 05 36 00-0330 EA 18" Wide, 36" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,013.08	261.99
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-79.47	
26 05 36 00-0331 EA 24" Wide, 36" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,044.33	276.41
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-81.40	
26 05 36 00-0332 EA 30" Wide, 36" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,124.00	311.28
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-86.46	
26 05 36 00-0333 EA 36" Wide, 36" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,204.64	355.38
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-90.85	
26 05 36 00-0334 12" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0213)</small>		
26 05 36 00-0335 EA 6" Wide, 12" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	534.63	249.03
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-32.71	
26 05 36 00-0336 EA 9" Wide, 12" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	562.06	261.99
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-34.37	

26 Electrical**26 05 Common Work Results For Electrical****26 05 36 Cable Trays For Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0337 EA 12" Wide, 12" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	597.63	276.41
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-36.73	
26 05 36 00-0338 EA 18" Wide, 12" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	638.36	293.12
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-39.41	
26 05 36 00-0339 EA 24" Wide, 12" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	720.24	331.82
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-44.37	
26 05 36 00-0340 EA 30" Wide, 12" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	792.52	355.38
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-49.64	
26 05 36 00-0341 EA 36" Wide, 12" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	862.26	383.39
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-54.28	
26 05 36 00-0342 24" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0213)</small>		
26 05 36 00-0343 EA 6" Wide, 24" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	692.73	276.41
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-46.24	
26 05 36 00-0344 EA 9" Wide, 24" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	727.70	293.12
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-48.35	
26 05 36 00-0345 EA 12" Wide, 24" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	765.20	311.28
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-50.58	
26 05 36 00-0346 EA 18" Wide, 24" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	815.34	331.82
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-53.88	
26 05 36 00-0347 EA 24" Wide, 24" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	918.46	383.39
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-59.90	
26 05 36 00-0348 EA 30" Wide, 24" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	990.01	415.03
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-64.41	
26 05 36 00-0349 EA 36" Wide, 24" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,099.90	452.39
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-72.29	
26 05 36 00-0350 36" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0213)</small>		
26 05 36 00-0351 EA 6" Wide, 36" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	843.01	311.28
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-58.36	
26 05 36 00-0352 EA 9" Wide, 36" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	891.71	331.82
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-61.52	
26 05 36 00-0353 EA 12" Wide, 36" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	945.26	355.38
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-64.91	
26 05 36 00-0354 EA 18" Wide, 36" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,027.97	383.39
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-70.85	
26 05 36 00-0355 EA 24" Wide, 36" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,186.36	452.39
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-80.93	
26 05 36 00-0356 EA 30" Wide, 36" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,297.06	497.21
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-88.27	
26 05 36 00-0357 EA 36" Wide, 36" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,427.45	553.87
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-96.59	
26 05 36 00-0358 12" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0213)</small>		
26 05 36 00-0359 EA 6" Wide, 12" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	588.45	249.03
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-38.09	
26 05 36 00-0360 EA 9" Wide, 12" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	618.62	262.10
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-40.02	
26 05 36 00-0361 EA 12" Wide, 12" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	659.15	276.41
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-42.88	
26 05 36 00-0362 EA 18" Wide, 12" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	705.99	293.22
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-46.16	
26 05 36 00-0363 EA 24" Wide, 12" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	795.46	331.82
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-51.89	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0364 EA 30" Wide, 12" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	882.92	355.48
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-58.67	
26 05 36 00-0365 EA 36" Wide, 12" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	961.97	382.87
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-64.29	
26 05 36 00-0366 24" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0213)</small>		
26 05 36 00-0367 EA 6" Wide, 24" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	797.13	276.41
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-56.68	
26 05 36 00-0368 EA 9" Wide, 24" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	835.34	293.12
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-59.11	
26 05 36 00-0369 EA 12" Wide, 24" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	876.08	311.28
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-61.67	
26 05 36 00-0370 EA 18" Wide, 24" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	933.36	331.82
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-65.68	
26 05 36 00-0371 EA 24" Wide, 24" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,044.25	383.39
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-72.48	
26 05 36 00-0372 EA 30" Wide, 24" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,124.23	415.03
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-77.84	
26 05 36 00-0373 EA 36" Wide, 24" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,255.52	452.39
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-87.85	
26 05 36 00-0374 36" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0213)</small>		
26 05 36 00-0375 EA 6" Wide, 36" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	988.91	311.28
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-72.95	
26 05 36 00-0376 EA 9" Wide, 36" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,044.10	331.82
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-76.76	
26 05 36 00-0377 EA 12" Wide, 36" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,104.13	355.38
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-80.80	
26 05 36 00-0378 EA 18" Wide, 36" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,203.04	383.39
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-88.36	
26 05 36 00-0379 EA 24" Wide, 36" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,380.89	452.39
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-100.39	
26 05 36 00-0380 EA 30" Wide, 36" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,507.80	497.21
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-109.34	
26 05 36 00-0381 EA 36" Wide, 36" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,654.40	553.87
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-119.28	
26 05 36 00-0382 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fittings <small>(26 05 36 00-0002)</small>		
26 05 36 00-0383 12" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0382)</small>		
26 05 36 00-0384 EA 6" Wide, 12" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	211.21	104.07
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-12.45	
26 05 36 00-0385 EA 9" Wide, 12" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	238.39	118.49
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-13.96	
26 05 36 00-0386 EA 12" Wide, 12" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	262.78	131.04
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-15.36	
26 05 36 00-0387 EA 18" Wide, 12" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	325.34	160.62
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-19.15	
26 05 36 00-0388 EA 24" Wide, 12" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	372.18	184.38
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-21.85	
26 05 36 00-0389 EA 30" Wide, 12" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	431.13	207.52
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-25.82	

26 Electrical**26 05 Common Work Results For Electrical****26 05 36 Cable Trays For Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0390	EA		36" Wide, 12" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	494.98 -29.73	237.19
26 05 36 00-0391			24" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0392)</small>		
26 05 36 00-0392	EA		6" Wide, 24" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	258.44 -16.82	108.22
26 05 36 00-0393	EA		9" Wide, 24" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	287.80 -18.41	124.40
26 05 36 00-0394	EA		12" Wide, 24" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	314.03 -19.87	138.31
26 05 36 00-0395	EA		18" Wide, 24" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	376.37 -23.32	171.83
26 05 36 00-0396	EA		24" Wide, 24" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	428.79 -26.27	199.32
26 05 36 00-0397	EA		30" Wide, 24" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	482.10 -29.36	226.19
26 05 36 00-0398	EA		36" Wide, 24" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	561.58 -34.32	261.99
26 05 36 00-0399			36" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0392)</small>		
26 05 36 00-0400	EA		6" Wide, 36" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	274.98 -18.07	113.10
26 05 36 00-0401	EA		9" Wide, 36" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	309.42 -20.03	130.94
26 05 36 00-0402	EA		12" Wide, 36" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	339.72 -21.76	146.51
26 05 36 00-0403	EA		18" Wide, 36" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	416.61 -26.29	184.38
26 05 36 00-0404	EA		24" Wide, 36" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	480.85 -30.05	216.44
26 05 36 00-0405	EA		30" Wide, 36" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	559.13 -35.16	249.03
26 05 36 00-0406	EA		36" Wide, 36" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	644.89 -40.11	292.60
26 05 36 00-0407			12" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0392)</small>		
26 05 36 00-0408	EA		6" Wide, 12" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 60 Degree Bend, Deduct</i> <i>For 30 Degree Bend, Deduct</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	155.09 -22.28 -41.32 -9.23	75.43
26 05 36 00-0409	EA		9" Wide, 12" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 60 Degree Bend, Deduct</i> <i>For 30 Degree Bend, Deduct</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	181.35 -25.18 -46.99 -10.60	90.48
26 05 36 00-0410	EA		12" Wide, 12" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 60 Degree Bend, Deduct</i> <i>For 30 Degree Bend, Deduct</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	204.75 -27.79 -52.09 -11.83	103.76
26 05 36 00-0411	EA		18" Wide, 12" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 60 Degree Bend, Deduct</i> <i>For 30 Degree Bend, Deduct</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	252.15 -32.95 -62.20 -14.29	131.15
26 05 36 00-0412	EA		24" Wide, 12" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 60 Degree Bend, Deduct</i> <i>For 30 Degree Bend, Deduct</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	310.93 -41.04 -77.32 -17.71	160.62



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0413 EA 30" Wide, 12" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	362.58	184.38
<i>For 60 Degree Bend, Deduct</i>	-48.96	
<i>For 30 Degree Bend, Deduct</i>	-91.85	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-20.89	
26 05 36 00-0414 EA 36" Wide, 12" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	418.41	216.44
<i>For 60 Degree Bend, Deduct</i>	-55.10	
<i>For 30 Degree Bend, Deduct</i>	-103.86	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-23.80	
26 05 36 00-0415 24" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0382)</small>		
26 05 36 00-0416 EA 6" Wide, 24" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	166.85	77.82
<i>For 60 Degree Bend, Deduct</i>	-25.25	
<i>For 30 Degree Bend, Deduct</i>	-46.40	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-10.20	
26 05 36 00-0417 EA 9" Wide, 24" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	195.99	93.80
<i>For 60 Degree Bend, Deduct</i>	-28.71	
<i>For 30 Degree Bend, Deduct</i>	-53.07	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-11.78	
26 05 36 00-0418 EA 12" Wide, 24" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	224.94	108.32
<i>For 60 Degree Bend, Deduct</i>	-32.71	
<i>For 30 Degree Bend, Deduct</i>	-60.54	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-13.47	
26 05 36 00-0419 EA 18" Wide, 24" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	276.20	138.31
<i>For 60 Degree Bend, Deduct</i>	-38.11	
<i>For 30 Degree Bend, Deduct</i>	-71.21	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-16.09	
26 05 36 00-0420 EA 24" Wide, 24" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	341.55	171.83
<i>For 60 Degree Bend, Deduct</i>	-46.86	
<i>For 30 Degree Bend, Deduct</i>	-87.64	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-19.84	
26 05 36 00-0421 EA 30" Wide, 24" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	398.17	199.32
<i>For 60 Degree Bend, Deduct</i>	-55.01	
<i>For 30 Degree Bend, Deduct</i>	-102.75	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-23.21	
26 05 36 00-0422 EA 36" Wide, 24" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	471.08	237.29
<i>For 60 Degree Bend, Deduct</i>	-64.51	
<i>For 30 Degree Bend, Deduct</i>	-120.69	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-27.34	
26 05 36 00-0423 36" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0382)</small>		
26 05 36 00-0424 EA 6" Wide, 36" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	187.22	80.31
<i>For 60 Degree Bend, Deduct</i>	-31.01	
<i>For 30 Degree Bend, Deduct</i>	-56.15	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-12.03	
26 05 36 00-0425 EA 9" Wide, 36" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	218.97	97.53
<i>For 60 Degree Bend, Deduct</i>	-34.88	
<i>For 30 Degree Bend, Deduct</i>	-63.55	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-13.77	
26 05 36 00-0426 EA 12" Wide, 36" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	246.30	113.20
<i>For 60 Degree Bend, Deduct</i>	-37.89	
<i>For 30 Degree Bend, Deduct</i>	-69.43	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-15.20	
26 05 36 00-0427 EA 18" Wide, 36" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	306.70	146.51
<i>For 60 Degree Bend, Deduct</i>	-45.03	
<i>For 30 Degree Bend, Deduct</i>	-83.19	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-18.46	
26 05 36 00-0428 EA 24" Wide, 36" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	373.38	184.38
<i>For 60 Degree Bend, Deduct</i>	-52.53	
<i>For 30 Degree Bend, Deduct</i>	-97.79	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-21.97	
26 05 36 00-0429 EA 30" Wide, 36" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	446.03	216.44
<i>For 60 Degree Bend, Deduct</i>	-64.21	
<i>For 30 Degree Bend, Deduct</i>	-119.05	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-26.56	

26 Electrical**26 05 Common Work Results For Electrical****26 05 36 Cable Trays For Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0430	EA		36" Wide, 36" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	531.56	261.99
			<i>For 60 Degree Bend, Deduct</i>	-74.97	
			<i>For 30 Degree Bend, Deduct</i>	-139.51	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-31.32	
26 05 36 00-0431			12" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0382)</small>		
26 05 36 00-0432	EA		6" Wide, 12" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	225.16	103.76
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-13.87	
26 05 36 00-0433	EA		9" Wide, 12" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	251.00	118.49
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-15.22	
26 05 36 00-0434	EA		12" Wide, 12" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	273.59	131.04
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-16.44	
26 05 36 00-0435	EA		18" Wide, 12" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	325.34	160.62
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-19.15	
26 05 36 00-0436	EA		24" Wide, 12" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	367.38	184.38
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-21.37	
26 05 36 00-0437	EA		30" Wide, 12" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	410.71	207.52
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-23.78	
26 05 36 00-0438	EA		36" Wide, 12" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	462.07	236.88
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-26.47	
26 05 36 00-0439			24" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0382)</small>		
26 05 36 00-0440	EA		6" Wide, 24" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	254.24	108.22
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-16.40	
26 05 36 00-0441	EA		9" Wide, 24" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	283.17	124.51
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-17.94	
26 05 36 00-0442	EA		12" Wide, 24" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	309.22	138.31
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-19.39	
26 05 36 00-0443	EA		18" Wide, 24" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	369.16	171.83
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-22.60	
26 05 36 00-0444	EA		24" Wide, 24" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	419.19	199.32
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-25.31	
26 05 36 00-0445	EA		30" Wide, 24" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	468.89	226.19
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-28.04	
26 05 36 00-0446	EA		36" Wide, 24" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	539.97	261.99
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-32.16	
26 05 36 00-0447			36" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0382)</small>		
26 05 36 00-0448	EA		6" Wide, 36" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	288.19	113.10
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-19.39	
26 05 36 00-0449	EA		9" Wide, 36" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	321.62	131.04
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-21.24	
26 05 36 00-0450	EA		12" Wide, 36" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	348.73	146.51
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-22.66	
26 05 36 00-0451	EA		18" Wide, 36" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	420.21	184.38
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-26.65	
26 05 36 00-0452	EA		24" Wide, 36" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	474.85	216.44
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-29.45	
26 05 36 00-0453	EA		30" Wide, 36" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	544.72	249.03
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-33.72	
26 05 36 00-0454	EA		36" Wide, 36" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	625.68	292.60
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-38.19	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0455 12" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0382)</small>		
26 05 36 00-0456 EA 6" Wide, 12" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	412.58	199.32
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-24.65	
26 05 36 00-0457 EA 9" Wide, 12" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	447.23	216.44
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-26.68	
26 05 36 00-0458 EA 12" Wide, 12" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	468.29	226.19
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-27.98	
26 05 36 00-0459 EA 18" Wide, 12" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	519.50	249.03
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-31.20	
26 05 36 00-0460 EA 24" Wide, 12" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	583.22	276.41
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-35.29	
26 05 36 00-0461 EA 30" Wide, 12" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	635.00	293.12
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-39.08	
26 05 36 00-0462 EA 36" Wide, 12" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	718.80	331.82
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-44.23	
 26 05 36 00-0463 24" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0382)</small>		
26 05 36 00-0464 EA 6" Wide, 24" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	486.85	216.44
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-30.65	
26 05 36 00-0465 EA 9" Wide, 24" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	527.52	237.29
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-32.98	
26 05 36 00-0466 EA 12" Wide, 24" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	551.92	249.03
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-34.44	
26 05 36 00-0467 EA 18" Wide, 24" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	608.44	276.41
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-37.81	
26 05 36 00-0468 EA 24" Wide, 24" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	679.71	311.28
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-42.03	
26 05 36 00-0469 EA 30" Wide, 24" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	728.41	331.82
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-45.19	
26 05 36 00-0470 EA 36" Wide, 24" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	863.46	383.39
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-54.40	
 26 05 36 00-0471 36" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0382)</small>		
26 05 36 00-0472 EA 6" Wide, 36" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	583.95	237.29
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-38.62	
26 05 36 00-0473 EA 9" Wide, 36" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	632.43	261.99
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-41.41	
26 05 36 00-0474 EA 12" Wide, 36" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	669.68	276.41
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-43.93	
26 05 36 00-0475 EA 18" Wide, 36" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	743.35	311.28
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-48.40	
26 05 36 00-0476 EA 24" Wide, 36" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	845.60	355.38
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-54.95	
26 05 36 00-0477 EA 30" Wide, 36" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	915.09	383.39
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-59.56	
26 05 36 00-0478 EA 36" Wide, 36" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,050.67	452.39
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-67.36	
 26 05 36 00-0479 12" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0382)</small>		
26 05 36 00-0480 EA 6" Wide, 12" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	444.23	184.38
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-29.06	

26 Electrical**26 05 Common Work Results For Electrical****26 05 36 Cable Trays For Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0481	EA		9" Wide, 12" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	457.54	191.64
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-29.78	
26 05 36 00-0482	EA		12" Wide, 12" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	471.42	199.32
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-30.54	
26 05 36 00-0483	EA		18" Wide, 12" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	502.46	216.44
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-32.21	
26 05 36 00-0484	EA		24" Wide, 12" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	521.13	226.19
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-33.26	
26 05 36 00-0485	EA		30" Wide, 12" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	568.73	249.03
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-36.12	
26 05 36 00-0486	EA		36" Wide, 12" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	620.45	276.41
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-39.01	
26 05 36 00-0487			24" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0382)</small>		
26 05 36 00-0488	EA		6" Wide, 24" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	579.49	199.32
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-41.34	
26 05 36 00-0489	EA		9" Wide, 24" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	596.84	207.52
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-42.39	
26 05 36 00-0490	EA		12" Wide, 24" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	615.34	216.44
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-43.50	
26 05 36 00-0491	EA		18" Wide, 24" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	657.20	237.29
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-45.95	
26 05 36 00-0492	EA		24" Wide, 24" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	684.01	249.03
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-47.65	
26 05 36 00-0493	EA		30" Wide, 24" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	736.92	276.41
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-50.66	
26 05 36 00-0494	EA		36" Wide, 24" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	806.99	311.28
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-54.76	
26 05 36 00-0495			36" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0382)</small>		
26 05 36 00-0496	EA		6" Wide, 36" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	823.08	216.44
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-64.27	
26 05 36 00-0497	EA		9" Wide, 36" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	845.34	226.19
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-65.68	
26 05 36 00-0498	EA		12" Wide, 36" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	869.74	237.29
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-67.20	
26 05 36 00-0499	EA		18" Wide, 36" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	917.02	261.99
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-69.87	
26 05 36 00-0500	EA		24" Wide, 36" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	947.06	276.41
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-71.67	
26 05 36 00-0501	EA		30" Wide, 36" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,023.13	311.28
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-76.37	
26 05 36 00-0502	EA		36" Wide, 36" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,102.57	355.38
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-80.65	
26 05 36 00-0503			12" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0382)</small>		
26 05 36 00-0504	EA		6" Wide, 12" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	514.70	249.03
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-30.72	
26 05 36 00-0505	EA		9" Wide, 12" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	541.17	261.99
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-32.28	
26 05 36 00-0506	EA		12" Wide, 12" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	574.82	276.41
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-34.45	
26 05 36 00-0507	EA		18" Wide, 12" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	613.38	293.12
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-36.91	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0508 EA 24" Wide, 12" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	692.38	331.82
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-41.58	
26 05 36 00-0509 EA 30" Wide, 12" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	759.14	355.38
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-46.30	
26 05 36 00-0510 EA 36" Wide, 12" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	825.03	383.39
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-50.56	
26 05 36 00-0511 24" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0382)</small>		
26 05 36 00-0512 EA 6" Wide, 24" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	654.07	276.41
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-42.37	
26 05 36 00-0513 EA 9" Wide, 24" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	687.83	293.12
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-44.36	
26 05 36 00-0514 EA 12" Wide, 24" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	724.14	311.28
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-46.47	
26 05 36 00-0515 EA 18" Wide, 24" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	771.63	331.82
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-49.51	
26 05 36 00-0516 EA 24" Wide, 24" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	871.86	383.39
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-55.24	
26 05 36 00-0517 EA 30" Wide, 24" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	940.29	415.03
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-59.44	
26 05 36 00-0518 EA 36" Wide, 24" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,042.26	452.39
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-66.52	
26 05 36 00-0519 36" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0382)</small>		
26 05 36 00-0520 EA 6" Wide, 36" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	788.98	311.28
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-52.96	
26 05 36 00-0521 EA 9" Wide, 36" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	835.28	331.82
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-55.87	
26 05 36 00-0522 EA 12" Wide, 36" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	886.42	355.38
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-59.03	
26 05 36 00-0523 EA 18" Wide, 36" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	963.12	383.39
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-64.37	
26 05 36 00-0524 EA 24" Wide, 36" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,114.31	452.39
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-73.73	
26 05 36 00-0525 EA 30" Wide, 36" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,219.01	497.21
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-80.46	
26 05 36 00-0526 EA 36" Wide, 36" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,343.40	553.87
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-88.18	
26 05 36 00-0527 12" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0382)</small>		
26 05 36 00-0528 EA 6" Wide, 12" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	559.55	249.03
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-35.20	
26 05 36 00-0529 EA 9" Wide, 12" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	588.32	262.10
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-36.99	
26 05 36 00-0530 EA 12" Wide, 12" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	626.07	276.41
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-39.57	
26 05 36 00-0531 EA 18" Wide, 12" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	669.77	293.22
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-42.54	
26 05 36 00-0532 EA 24" Wide, 12" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	755.06	331.82
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-47.85	
26 05 36 00-0533 EA 30" Wide, 12" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	834.52	355.48
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-53.83	
26 05 36 00-0534 EA 36" Wide, 12" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	908.00	382.87
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-58.89	

26 Electrical**26 05 Common Work Results For Electrical****26 05 36 Cable Trays For Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0535 24" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0382)</small>		
26 05 36 00-0536 EA 6" Wide, 24" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	741.07	276.41
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-51.07	
26 05 36 00-0537 EA 9" Wide, 24" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	777.53	293.12
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-53.33	
26 05 36 00-0538 EA 12" Wide, 24" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	816.54	311.28
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-55.71	
26 05 36 00-0539 EA 18" Wide, 24" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	869.98	331.82
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-59.34	
26 05 36 00-0540 EA 24" Wide, 24" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	976.69	383.39
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-65.72	
26 05 36 00-0541 EA 30" Wide, 24" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,052.15	415.03
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-70.63	
26 05 36 00-0542 EA 36" Wide, 24" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,171.95	452.39
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-79.49	
26 05 36 00-0543 36" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0382)</small>		
26 05 36 00-0544 EA 6" Wide, 36" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	910.56	311.28
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-65.12	
26 05 36 00-0545 EA 9" Wide, 36" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	962.26	331.82
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-68.57	
26 05 36 00-0546 EA 12" Wide, 36" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,018.81	355.38
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-72.27	
26 05 36 00-0547 EA 18" Wide, 36" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,109.02	383.39
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-78.96	
26 05 36 00-0548 EA 24" Wide, 36" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,276.42	452.39
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-89.94	
26 05 36 00-0549 EA 30" Wide, 36" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,394.62	497.21
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-98.02	
26 05 36 00-0550 EA 36" Wide, 36" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,532.52	553.87
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-107.10	
26 05 36 00-0551 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fittings <small>(26 05 36 00-0002)</small>		
26 05 36 00-0552 12" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0551)</small>		
26 05 36 00-0553 EA 6" Wide, 12" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	208.57	104.07
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-12.19	
26 05 36 00-0554 EA 9" Wide, 12" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	235.53	118.49
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-13.68	
26 05 36 00-0555 EA 12" Wide, 12" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	259.67	131.04
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-15.05	
26 05 36 00-0556 EA 18" Wide, 12" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	321.30	160.62
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-18.75	
26 05 36 00-0557 EA 24" Wide, 12" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	367.64	184.38
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-21.40	
26 05 36 00-0558 EA 30" Wide, 12" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	425.16	207.52
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-25.22	
26 05 36 00-0559 EA 36" Wide, 12" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	488.00	237.19
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-29.03	
26 05 36 00-0560 24" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0551)</small>		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0561 EA 6" Wide, 24" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	252.98	108.22
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-16.28	
26 05 36 00-0562 EA 9" Wide, 24" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	282.17	124.40
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-17.85	
26 05 36 00-0563 EA 12" Wide, 24" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	308.18	138.31
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-19.29	
26 05 36 00-0564 EA 18" Wide, 24" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	370.07	171.83
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-22.69	
26 05 36 00-0565 EA 24" Wide, 24" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	422.03	199.32
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-25.60	
26 05 36 00-0566 EA 30" Wide, 24" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	474.74	226.19
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-28.62	
26 05 36 00-0567 EA 36" Wide, 24" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	552.84	261.99
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-33.45	
26 05 36 00-0568 36" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0561)</small>		
26 05 36 00-0569 EA 6" Wide, 36" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	268.93	113.10
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-17.47	
26 05 36 00-0570 EA 9" Wide, 36" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	303.03	130.94
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-19.40	
26 05 36 00-0571 EA 12" Wide, 36" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	333.04	146.51
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-21.09	
26 05 36 00-0572 EA 18" Wide, 36" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	408.96	184.38
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-25.53	
26 05 36 00-0573 EA 24" Wide, 36" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	472.44	216.44
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-29.21	
26 05 36 00-0574 EA 30" Wide, 36" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	549.04	249.03
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-34.15	
26 05 36 00-0575 EA 36" Wide, 36" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	633.88	292.60
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-39.01	
26 05 36 00-0576 12" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0561)</small>		
26 05 36 00-0577 EA 6" Wide, 12" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	153.03	75.43
<i>For 60 Degree Bend, Deduct</i>	-21.60	
<i>For 30 Degree Bend, Deduct</i>	-40.18	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-9.02	
26 05 36 00-0578 EA 9" Wide, 12" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	179.21	90.48
<i>For 60 Degree Bend, Deduct</i>	-24.47	
<i>For 30 Degree Bend, Deduct</i>	-45.81	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-10.38	
26 05 36 00-0579 EA 12" Wide, 12" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	202.52	103.76
<i>For 60 Degree Bend, Deduct</i>	-27.06	
<i>For 30 Degree Bend, Deduct</i>	-50.86	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-11.61	
26 05 36 00-0580 EA 18" Wide, 12" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	249.80	131.15
<i>For 60 Degree Bend, Deduct</i>	-32.17	
<i>For 30 Degree Bend, Deduct</i>	-60.90	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-14.05	
26 05 36 00-0581 EA 24" Wide, 12" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	307.90	160.62
<i>For 60 Degree Bend, Deduct</i>	-40.04	
<i>For 30 Degree Bend, Deduct</i>	-75.65	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-17.41	
26 05 36 00-0582 EA 30" Wide, 12" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	358.71	184.38
<i>For 60 Degree Bend, Deduct</i>	-47.69	
<i>For 30 Degree Bend, Deduct</i>	-89.72	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-20.50	
26 05 36 00-0583 EA 36" Wide, 12" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	414.37	216.44
<i>For 60 Degree Bend, Deduct</i>	-53.77	
<i>For 30 Degree Bend, Deduct</i>	-101.63	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-23.40	

26 Electrical**26 05 Common Work Results For Electrical****26 05 36 Cable Trays For Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0584			24" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0551)</small>		
26 05 36 00-0585	EA		6" Wide, 24" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	164.25	77.82
			<i>For 60 Degree Bend, Deduct</i>	-24.39	
			<i>For 30 Degree Bend, Deduct</i>	-44.97	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-9.94	
26 05 36 00-0586	EA		9" Wide, 24" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	193.21	93.80
			<i>For 60 Degree Bend, Deduct</i>	-27.80	
			<i>For 30 Degree Bend, Deduct</i>	-51.54	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-11.50	
26 05 36 00-0587	EA		12" Wide, 24" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	221.83	108.32
			<i>For 60 Degree Bend, Deduct</i>	-31.69	
			<i>For 30 Degree Bend, Deduct</i>	-58.83	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-13.16	
26 05 36 00-0588	EA		18" Wide, 24" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	273.01	138.31
			<i>For 60 Degree Bend, Deduct</i>	-37.06	
			<i>For 30 Degree Bend, Deduct</i>	-69.46	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-15.77	
26 05 36 00-0589	EA		24" Wide, 24" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	337.68	171.83
			<i>For 60 Degree Bend, Deduct</i>	-45.58	
			<i>For 30 Degree Bend, Deduct</i>	-85.52	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-19.45	
26 05 36 00-0590	EA		30" Wide, 24" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	393.55	199.32
			<i>For 60 Degree Bend, Deduct</i>	-53.48	
			<i>For 30 Degree Bend, Deduct</i>	-100.21	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-22.75	
26 05 36 00-0591	EA		36" Wide, 24" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	465.78	237.29
			<i>For 60 Degree Bend, Deduct</i>	-62.76	
			<i>For 30 Degree Bend, Deduct</i>	-117.78	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-26.81	
26 05 36 00-0592			36" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0551)</small>		
26 05 36 00-0593	EA		6" Wide, 36" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	183.48	80.31
			<i>For 60 Degree Bend, Deduct</i>	-29.78	
			<i>For 30 Degree Bend, Deduct</i>	-54.09	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-11.66	
26 05 36 00-0594	EA		9" Wide, 36" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	215.02	97.53
			<i>For 60 Degree Bend, Deduct</i>	-33.57	
			<i>For 30 Degree Bend, Deduct</i>	-61.38	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-13.38	
26 05 36 00-0595	EA		12" Wide, 36" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	242.26	113.20
			<i>For 60 Degree Bend, Deduct</i>	-36.55	
			<i>For 30 Degree Bend, Deduct</i>	-67.21	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-14.79	
26 05 36 00-0596	EA		18" Wide, 36" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	302.33	146.51
			<i>For 60 Degree Bend, Deduct</i>	-43.59	
			<i>For 30 Degree Bend, Deduct</i>	-80.79	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-18.02	
26 05 36 00-0597	EA		24" Wide, 36" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	368.76	184.38
			<i>For 60 Degree Bend, Deduct</i>	-51.00	
			<i>For 30 Degree Bend, Deduct</i>	-95.25	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-21.51	
26 05 36 00-0598	EA		30" Wide, 36" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	440.06	216.44
			<i>For 60 Degree Bend, Deduct</i>	-62.24	
			<i>For 30 Degree Bend, Deduct</i>	-115.76	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-25.97	
26 05 36 00-0599	EA		36" Wide, 36" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	524.92	261.99
			<i>For 60 Degree Bend, Deduct</i>	-72.78	
			<i>For 30 Degree Bend, Deduct</i>	-135.86	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-30.66	
26 05 36 00-0600			12" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0551)</small>		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0601 EA 6" Wide, 12" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	221.51	103.76
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-13.50	
26 05 36 00-0602 EA 9" Wide, 12" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	247.26	118.49
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-14.85	
26 05 36 00-0603 EA 12" Wide, 12" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	269.72	131.04
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-16.05	
26 05 36 00-0604 EA 18" Wide, 12" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	321.30	160.62
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-18.75	
26 05 36 00-0605 EA 24" Wide, 12" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	363.18	184.38
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-20.95	
26 05 36 00-0606 EA 30" Wide, 12" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	406.17	207.52
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-23.32	
26 05 36 00-0607 EA 36" Wide, 12" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	457.37	236.88
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-26.00	
26 05 36 00-0608 24" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0551)</small>		
26 05 36 00-0609 EA 6" Wide, 24" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	249.07	108.22
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-15.89	
26 05 36 00-0610 EA 9" Wide, 24" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	277.87	124.51
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-17.41	
26 05 36 00-0611 EA 12" Wide, 24" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	303.72	138.31
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-18.84	
26 05 36 00-0612 EA 18" Wide, 24" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	363.37	171.83
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-22.02	
26 05 36 00-0613 EA 24" Wide, 24" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	413.09	199.32
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-24.70	
26 05 36 00-0614 EA 30" Wide, 24" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	462.46	226.19
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-27.39	
26 05 36 00-0615 EA 36" Wide, 24" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	532.74	261.99
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-31.44	
26 05 36 00-0616 36" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0551)</small>		
26 05 36 00-0617 EA 6" Wide, 36" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	281.21	113.10
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-18.70	
26 05 36 00-0618 EA 9" Wide, 36" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	314.39	131.04
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-20.52	
26 05 36 00-0619 EA 12" Wide, 36" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	341.42	146.51
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-21.93	
26 05 36 00-0620 EA 18" Wide, 36" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	412.31	184.38
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-25.86	
26 05 36 00-0621 EA 24" Wide, 36" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	466.86	216.44
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-28.65	
26 05 36 00-0622 EA 30" Wide, 36" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	535.64	249.03
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-32.81	
26 05 36 00-0623 EA 36" Wide, 36" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	616.01	292.60
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-37.22	
26 05 36 00-0624 12" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0551)</small>		
26 05 36 00-0625 EA 6" Wide, 12" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	404.54	199.32
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-23.85	
26 05 36 00-0626 EA 9" Wide, 12" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	438.58	216.44
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-25.82	

26 Electrical**26 05 Common Work Results For Electrical****26 05 36 Cable Trays For Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0627 EA 12" Wide, 12" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	459.16	226.19
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-27.06	
26 05 36 00-0628 EA 18" Wide, 12" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	509.05	249.03
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-30.15	
26 05 36 00-0629 EA 24" Wide, 12" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	570.97	276.41
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-34.06	
26 05 36 00-0630 EA 30" Wide, 12" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	620.35	293.12
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-37.61	
26 05 36 00-0631 EA 36" Wide, 12" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	702.23	331.82
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-42.57	
26 05 36 00-0632 24" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting (26 05 36 00-0551)		
26 05 36 00-0633 EA 6" Wide, 24" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	474.25	216.44
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-29.39	
26 05 36 00-0634 EA 9" Wide, 24" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	514.31	237.29
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-31.66	
26 05 36 00-0635 EA 12" Wide, 24" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	538.23	249.03
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-33.07	
26 05 36 00-0636 EA 18" Wide, 24" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	593.67	276.41
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-36.33	
26 05 36 00-0637 EA 24" Wide, 24" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	663.62	311.28
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-40.42	
26 05 36 00-0638 EA 30" Wide, 24" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	710.87	331.82
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-43.43	
26 05 36 00-0639 EA 36" Wide, 24" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	841.00	383.39
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-52.15	
26 05 36 00-0640 36" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting (26 05 36 00-0551)		
26 05 36 00-0641 EA 6" Wide, 36" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	565.10	237.29
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-36.74	
26 05 36 00-0642 EA 9" Wide, 36" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	612.86	261.99
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-39.45	
26 05 36 00-0643 EA 12" Wide, 36" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	648.78	276.41
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-41.84	
26 05 36 00-0644 EA 18" Wide, 36" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	720.89	311.28
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-46.15	
26 05 36 00-0645 EA 24" Wide, 36" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	820.26	355.38
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-52.41	
26 05 36 00-0646 EA 30" Wide, 36" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	887.47	383.39
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-56.80	
26 05 36 00-0647 EA 36" Wide, 36" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,021.01	452.39
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-64.40	
26 05 36 00-0648 12" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting (26 05 36 00-0551)		
26 05 36 00-0649 EA 6" Wide, 12" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	430.54	184.38
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-27.69	
26 05 36 00-0650 EA 9" Wide, 12" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	443.73	191.64
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-28.40	
26 05 36 00-0651 EA 12" Wide, 12" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	457.49	199.32
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-29.14	
26 05 36 00-0652 EA 18" Wide, 12" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	488.29	216.44
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-30.79	
26 05 36 00-0653 EA 24" Wide, 12" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	506.72	226.19
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-31.82	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0654 EA 30" Wide, 12" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	553.36	249.03
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-34.58	
26 05 36 00-0655 EA 36" Wide, 12" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	604.48	276.41
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-37.41	
26 05 36 00-0656 24" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0551)</small>		
26 05 36 00-0657 EA 6" Wide, 24" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	554.76	199.32
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-38.87	
26 05 36 00-0658 EA 9" Wide, 24" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	571.74	207.52
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-39.88	
26 05 36 00-0659 EA 12" Wide, 24" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	589.88	216.44
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-40.95	
26 05 36 00-0660 EA 18" Wide, 24" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	631.03	237.29
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-43.33	
26 05 36 00-0661 EA 24" Wide, 24" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	657.11	249.03
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-44.96	
26 05 36 00-0662 EA 30" Wide, 24" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	709.30	276.41
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-47.89	
26 05 36 00-0663 EA 36" Wide, 24" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	778.17	311.28
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-51.88	
26 05 36 00-0664 36" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0551)</small>		
26 05 36 00-0665 EA 6" Wide, 36" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	776.85	216.44
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-59.65	
26 05 36 00-0666 EA 9" Wide, 36" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	798.51	226.19
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-61.00	
26 05 36 00-0667 EA 12" Wide, 36" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	822.31	237.29
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-62.46	
26 05 36 00-0668 EA 18" Wide, 36" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	868.99	261.99
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-65.06	
26 05 36 00-0669 EA 24" Wide, 36" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	898.43	276.41
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-66.81	
26 05 36 00-0670 EA 30" Wide, 36" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	972.70	311.28
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-71.33	
26 05 36 00-0671 EA 36" Wide, 36" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,051.53	355.38
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-75.54	
26 05 36 00-0672 12" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0551)</small>		
26 05 36 00-0673 EA 6" Wide, 12" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	504.73	249.03
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-29.72	
26 05 36 00-0674 EA 9" Wide, 12" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	530.72	261.99
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-31.24	
26 05 36 00-0675 EA 12" Wide, 12" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	563.41	276.41
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-33.30	
26 05 36 00-0676 EA 18" Wide, 12" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	600.89	293.12
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-35.66	
26 05 36 00-0677 EA 24" Wide, 12" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	678.45	331.82
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-40.19	
26 05 36 00-0678 EA 30" Wide, 12" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	742.45	355.38
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-44.63	
26 05 36 00-0679 EA 36" Wide, 12" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	806.42	383.39
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-48.70	

26 Electrical**26 05 Common Work Results For Electrical****26 05 36 Cable Trays For Electrical Systems**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
26 05 36 00-0680		24" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0551)</small>			
26 05 36 00-0681	EA	6" Wide, 24" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	634.74		276.41
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-40.44		
26 05 36 00-0682	EA	9" Wide, 24" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	667.90		293.12
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-42.37		
26 05 36 00-0683	EA	12" Wide, 24" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	703.60		311.28
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-44.42		
26 05 36 00-0684	EA	18" Wide, 24" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	749.78		331.82
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-47.32		
26 05 36 00-0685	EA	24" Wide, 24" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	848.57		383.39
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-52.91		
26 05 36 00-0686	EA	30" Wide, 24" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	915.44		415.03
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-56.96		
26 05 36 00-0687	EA	36" Wide, 24" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,013.44		452.39
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-63.64		
26 05 36 00-0688		36" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0551)</small>			
26 05 36 00-0689	EA	6" Wide, 36" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	761.96		311.28
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-50.26		
26 05 36 00-0690	EA	9" Wide, 36" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	807.06		331.82
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-53.05		
26 05 36 00-0691	EA	12" Wide, 36" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	857.01		355.38
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-56.09		
26 05 36 00-0692	EA	18" Wide, 36" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	930.70		383.39
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-61.12		
26 05 36 00-0693	EA	24" Wide, 36" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,078.28		452.39
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-70.12		
26 05 36 00-0694	EA	30" Wide, 36" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,179.98		497.21
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-76.56		
26 05 36 00-0695	EA	36" Wide, 36" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,301.37		553.87
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-83.98		
26 05 36 00-0696		12" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0551)</small>			
26 05 36 00-0697	EA	6" Wide, 12" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	545.09		249.03
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-33.76		
26 05 36 00-0698	EA	9" Wide, 12" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	573.17		262.10
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-35.48		
26 05 36 00-0699	EA	12" Wide, 12" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	609.53		276.41
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-37.92		
26 05 36 00-0700	EA	18" Wide, 12" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	651.66		293.22
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-40.73		
26 05 36 00-0701	EA	24" Wide, 12" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	734.87		331.82
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-45.83		
26 05 36 00-0702	EA	30" Wide, 12" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	810.32		355.48
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-51.41		
26 05 36 00-0703	EA	36" Wide, 12" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	881.01		382.87
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-56.20		
26 05 36 00-0704		24" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0551)</small>			
26 05 36 00-0705	EA	6" Wide, 24" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	713.03		276.41
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-48.27		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0706 EA 9" Wide, 24" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	748.63	293.12
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-50.44	
26 05 36 00-0707 EA 12" Wide, 24" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	786.76	311.28
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-52.74	
26 05 36 00-0708 EA 18" Wide, 24" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	838.29	331.82
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-56.17	
26 05 36 00-0709 EA 24" Wide, 24" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	942.92	383.39
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-62.35	
26 05 36 00-0710 EA 30" Wide, 24" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,016.11	415.03
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-67.02	
26 05 36 00-0711 EA 36" Wide, 24" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,130.16	452.39
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-75.31	
26 05 36 00-0712 36" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0551)</small>		
26 05 36 00-0713 EA 6" Wide, 36" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	871.38	311.28
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-61.20	
26 05 36 00-0714 EA 9" Wide, 36" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	921.34	331.82
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-64.48	
26 05 36 00-0715 EA 12" Wide, 36" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	976.15	355.38
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-68.00	
26 05 36 00-0716 EA 18" Wide, 36" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,062.01	383.39
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-74.26	
26 05 36 00-0717 EA 24" Wide, 36" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,224.18	452.39
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-84.71	
26 05 36 00-0718 EA 30" Wide, 36" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,338.04	497.21
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-92.37	
26 05 36 00-0719 EA 36" Wide, 36" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,471.58	553.87
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-101.00	
26 05 36 00-0720 Dropout Or End Plates And Reducers <small>(26 05 36 00-0002)</small>		
26 05 36 00-0721 Straight Reducers <small>(26 05 36 00-0720)</small>		
26 05 36 00-0722 EA 9"-6" Reducer, Steel Cable Tray.....	182.90	76.58
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-11.91	
26 05 36 00-0723 EA 12"-9" Reducer, Steel Cable Tray.....	194.64	82.91
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-12.55	
26 05 36 00-0724 EA 18"-12" Reducer, Steel Cable Tray.....	215.98	95.66
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-13.62	
26 05 36 00-0725 EA 24"-18" Reducer, Steel Cable Tray.....	242.13	110.71
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-14.99	
26 05 36 00-0726 EA 30"-24" Reducer, Steel Cable Tray.....	266.36	124.51
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-16.26	
26 05 36 00-0727 EA 36"-30" Reducer, Steel Cable Tray.....	303.15	142.25
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-18.46	
26 05 36 00-0728 Reducers <small>(26 05 36 00-0720)</small>		
26 05 36 00-0729 EA 18"-6" Reducer, Steel Cable Tray.....	218.47	95.77
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-13.87	
26 05 36 00-0730 EA 24"-12" Reducer, Steel Cable Tray.....	244.80	110.82
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-15.24	
26 05 36 00-0731 EA 30"-12" Reducer, Steel Cable Tray.....	270.99	124.40
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-16.73	
26 05 36 00-0732 EA 30"-18" Reducer, Steel Cable Tray.....	273.23	124.30
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-16.96	
26 05 36 00-0733 EA 36"-12" Reducer, Steel Cable Tray.....	304.35	142.25
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-18.58	
26 05 36 00-0734 EA 36"-18" Reducer, Steel Cable Tray.....	312.99	145.99
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-19.13	
26 05 36 00-0735 EA 36"-24" Reducer, Steel Cable Tray.....	323.16	150.66
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-19.76	
26 05 36 00-0736 Dropout Or End Plate <small>(26 05 36 00-0720)</small>		
26 05 36 00-0737 EA 6" Dropout Or End Plate, Steel Cable Tray.....	58.06	31.13
26 05 36 00-0738 EA 9" Dropout Or End Plate, Steel Cable Tray.....	66.51	35.59
26 05 36 00-0739 EA 12" Dropout Or End Plate, Steel Cable Tray.....	71.74	38.29

26 Electrical**26 05 Common Work Results For Electrical****26 05 36 Cable Trays For Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0740	EA		18" Dropout Or End Plate, Steel Cable Tray.....	84.73	45.24
26 05 36 00-0741	EA		24" Dropout Or End Plate, Steel Cable Tray.....	94.30	49.81
26 05 36 00-0742	EA		30" Dropout Or End Plate, Steel Cable Tray.....	104.61	55.30
26 05 36 00-0743	EA		36" Dropout Or End Plate, Steel Cable Tray.....	117.93	62.25
26 05 36 00-0744			Ladder Bottom Aluminum Cable Tray (26 05 36 00-0001) Note: 4-5/8" Height		
26 05 36 00-0745			Straight Tray Sections (26 05 36 00-0744)		
26 05 36 00-0746			4" Rung Spacing (26 05 36 00-0745)		
26 05 36 00-0747	LF		6" Aluminum Cable Tray, 4" Rung Spacing, Straight Section	26.55	7.26
			For Class 12C Instead Of Class 12B, Add	2.77	
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-2.05	
			For 6" Overall Height Instead Of 4-5/8", Add	1.33	
26 05 36 00-0748	LF		9" Aluminum Cable Tray, 4" Rung Spacing, Straight Section	28.00	7.67
			For Class 12C Instead Of Class 12B, Add	2.92	
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-2.16	
			For 6" Overall Height Instead Of 4-5/8", Add	1.40	
26 05 36 00-0749	LF		12" Aluminum Cable Tray, 4" Rung Spacing, Straight Section	29.43	7.99
			For Class 12C Instead Of Class 12B, Add	3.08	
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-2.28	
			For 6" Overall Height Instead Of 4-5/8", Add	1.47	
26 05 36 00-0750	LF		18" Aluminum Cable Tray, 4" Rung Spacing, Straight Section	32.52	8.72
			For Class 12C Instead Of Class 12B, Add	3.42	
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-2.52	
			For 6" Overall Height Instead Of 4-5/8", Add	1.63	
26 05 36 00-0751	LF		24" Aluminum Cable Tray, 4" Rung Spacing, Straight Section	36.41	9.34
			For Class 12C Instead Of Class 12B, Add	3.91	
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-2.87	
			For 6" Overall Height Instead Of 4-5/8", Add	1.82	
26 05 36 00-0752	LF		30" Aluminum Cable Tray, 4" Rung Spacing, Straight Section	39.57	9.96
			For Class 12C Instead Of Class 12B, Add	4.28	
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-3.13	
			For 6" Overall Height Instead Of 4-5/8", Add	1.98	
26 05 36 00-0753	LF		36" Aluminum Cable Tray, 4" Rung Spacing, Straight Section	42.53	10.58
			For Class 12C Instead Of Class 12B, Add	4.61	
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-3.37	
			For 6" Overall Height Instead Of 4-5/8", Add	2.13	
26 05 36 00-0754			6" Rung Spacing (26 05 36 00-0745)		
26 05 36 00-0755	LF		6" Aluminum Cable Tray, 6" Rung Spacing, Straight Section	25.24	7.26
			For Class 12C Instead Of Class 12B, Add	2.57	
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-1.92	
			For 6" Overall Height Instead Of 4-5/8", Add	1.26	
26 05 36 00-0756	LF		9" Aluminum Cable Tray, 6" Rung Spacing, Straight Section	26.61	7.67
			For Class 12C Instead Of Class 12B, Add	2.72	
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-2.02	
			For 6" Overall Height Instead Of 4-5/8", Add	1.33	
26 05 36 00-0757	LF		12" Aluminum Cable Tray, 6" Rung Spacing, Straight Section	27.97	7.99
			For Class 12C Instead Of Class 12B, Add	2.86	
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-2.13	
			For 6" Overall Height Instead Of 4-5/8", Add	1.40	
26 05 36 00-0758	LF		18" Aluminum Cable Tray, 6" Rung Spacing, Straight Section	30.89	8.72
			For Class 12C Instead Of Class 12B, Add	3.17	
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-2.36	
			For 6" Overall Height Instead Of 4-5/8", Add	1.54	
26 05 36 00-0759	LF		24" Aluminum Cable Tray, 6" Rung Spacing, Straight Section	34.50	9.34
			For Class 12C Instead Of Class 12B, Add	3.63	
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-2.68	
			For 6" Overall Height Instead Of 4-5/8", Add	1.73	
26 05 36 00-0760	LF		30" Aluminum Cable Tray, 6" Rung Spacing, Straight Section	37.48	9.96
			For Class 12C Instead Of Class 12B, Add	3.97	
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-2.92	
			For 6" Overall Height Instead Of 4-5/8", Add	1.87	
26 05 36 00-0761	LF		36" Aluminum Cable Tray, 6" Rung Spacing, Straight Section	40.27	10.58
			For Class 12C Instead Of Class 12B, Add	4.27	
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-3.14	
			For 6" Overall Height Instead Of 4-5/8", Add	2.01	
26 05 36 00-0762			9" Rung Spacing (26 05 36 00-0745)		
26 05 36 00-0763	LF		6" Aluminum Cable Tray, 9" Rung Spacing, Straight Section	23.13	6.95
			For Class 12C Instead Of Class 12B, Add	2.31	
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-1.73	
			For 6" Overall Height Instead Of 4-5/8", Add	1.16	
26 05 36 00-0764	LF		9" Aluminum Cable Tray, 9" Rung Spacing, Straight Section	23.71	7.26
			For Class 12C Instead Of Class 12B, Add	2.34	
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-1.76	
			For 6" Overall Height Instead Of 4-5/8", Add	1.19	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0765 LF 12" Aluminum Cable Tray, 9" Rung Spacing, Straight Section	25.18	7.67
<i>For Class 12C Instead Of Class 12B, Add</i>	2.50	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-1.88	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1.26	
26 05 36 00-0766 LF 18" Aluminum Cable Tray, 9" Rung Spacing, Straight Section	26.94	8.19
<i>For Class 12C Instead Of Class 12B, Add</i>	2.68	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-2.01	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1.35	
26 05 36 00-0767 LF 24" Aluminum Cable Tray, 9" Rung Spacing, Straight Section	29.47	8.51
<i>For Class 12C Instead Of Class 12B, Add</i>	3.01	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-2.24	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1.47	
26 05 36 00-0768 LF 30" Aluminum Cable Tray, 9" Rung Spacing, Straight Section	32.36	9.13
<i>For Class 12C Instead Of Class 12B, Add</i>	3.32	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-2.47	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1.62	
26 05 36 00-0769 LF 36" Aluminum Cable Tray, 9" Rung Spacing, Straight Section	34.63	9.96
<i>For Class 12C Instead Of Class 12B, Add</i>	3.53	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-2.63	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1.73	
26 05 36 00-0770 12" Rung Spacing <small>(26 05 36 00-0745)</small>		
26 05 36 00-0771 LF 6" Aluminum Cable Tray, 12" Rung Spacing, Straight Section	22.53	6.74
<i>For Class 12C Instead Of Class 12B, Add</i>	2.26	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-1.69	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1.13	
26 05 36 00-0772 LF 9" Aluminum Cable Tray, 12" Rung Spacing, Straight Section	23.00	6.95
<i>For Class 12C Instead Of Class 12B, Add</i>	2.29	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-1.72	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1.15	
26 05 36 00-0773 LF 12" Aluminum Cable Tray, 12" Rung Spacing, Straight Section	24.07	7.36
<i>For Class 12C Instead Of Class 12B, Add</i>	2.38	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-1.79	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1.20	
26 05 36 00-0774 LF 18" Aluminum Cable Tray, 12" Rung Spacing, Straight Section	25.49	7.78
<i>For Class 12C Instead Of Class 12B, Add</i>	2.52	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-1.90	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1.27	
26 05 36 00-0775 LF 24" Aluminum Cable Tray, 12" Rung Spacing, Straight Section	27.07	7.88
<i>For Class 12C Instead Of Class 12B, Add</i>	2.74	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-2.05	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1.35	
26 05 36 00-0776 LF 30" Aluminum Cable Tray, 12" Rung Spacing, Straight Section	29.29	8.72
<i>For Class 12C Instead Of Class 12B, Add</i>	2.95	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-2.21	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1.46	
26 05 36 00-0777 LF 36" Aluminum Cable Tray, 12" Rung Spacing, Straight Section	31.28	9.45
<i>For Class 12C Instead Of Class 12B, Add</i>	3.12	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-2.34	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1.56	
26 05 36 00-0778 18" Rung Spacing <small>(26 05 36 00-0745)</small>		
26 05 36 00-0779 LF 6" Aluminum Cable Tray, 18" Rung Spacing, Straight Section	22.16	6.54
<i>For Class 12C Instead Of Class 12B, Add</i>	2.23	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-1.67	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1.11	
26 05 36 00-0780 LF 9" Aluminum Cable Tray, 18" Rung Spacing, Straight Section	22.44	6.85
<i>For Class 12C Instead Of Class 12B, Add</i>	2.23	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-1.68	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1.12	
26 05 36 00-0781 LF 12" Aluminum Cable Tray, 18" Rung Spacing, Straight Section	23.55	7.05
<i>For Class 12C Instead Of Class 12B, Add</i>	2.35	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-1.77	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1.18	
26 05 36 00-0782 LF 18" Aluminum Cable Tray, 18" Rung Spacing, Straight Section	24.79	7.47
<i>For Class 12C Instead Of Class 12B, Add</i>	2.48	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-1.86	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1.24	
26 05 36 00-0783 LF 24" Aluminum Cable Tray, 18" Rung Spacing, Straight Section	25.95	7.57
<i>For Class 12C Instead Of Class 12B, Add</i>	2.63	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-1.96	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1.30	
26 05 36 00-0784 LF 30" Aluminum Cable Tray, 18" Rung Spacing, Straight Section	27.54	8.30
<i>For Class 12C Instead Of Class 12B, Add</i>	2.76	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-2.07	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1.38	
26 05 36 00-0785 LF 36" Aluminum Cable Tray, 18" Rung Spacing, Straight Section	29.51	9.03
<i>For Class 12C Instead Of Class 12B, Add</i>	2.92	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-2.20	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1.48	
26 05 36 00-0786 4" Rung Tray Fittings <small>(26 05 36 00-0744)</small>		

26 Electrical**26 05 Common Work Results For Electrical****26 05 36 Cable Trays For Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0787			90 Degree, 12" Radius Horizontal Elbows <small>(26 05 36 00-0786)</small>		
26 05 36 00-0788	EA		6" Horizontal 90 Degree Elbow, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	233.41	104.07
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-14.67	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	11.67	
26 05 36 00-0789	EA		9" Horizontal 90 Degree Elbow, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	259.10	118.49
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-16.03	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	12.96	
26 05 36 00-0790	EA		12" Horizontal 90 Degree Elbow, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	291.28	131.04
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-18.21	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	14.56	
26 05 36 00-0791	EA		18" Horizontal 90 Degree Elbow, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	349.75	160.62
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-21.59	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	17.49	
26 05 36 00-0792	EA		24" Horizontal 90 Degree Elbow, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	409.14	184.38
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-25.55	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	20.46	
26 05 36 00-0793	EA		30" Horizontal 90 Degree Elbow, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	453.75	207.52
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-28.08	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	22.69	
26 05 36 00-0794	EA		36" Horizontal 90 Degree Elbow, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	525.98	237.19
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-32.83	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	26.30	
26 05 36 00-0795			90 Degree, 24" Radius Horizontal Elbows <small>(26 05 36 00-0786)</small>		
26 05 36 00-0796	EA		6" Horizontal 90 Degree Elbow, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	286.75	108.22
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-19.66	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	14.34	
26 05 36 00-0797	EA		9" Horizontal 90 Degree Elbow, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	318.27	124.40
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-21.46	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	15.91	
26 05 36 00-0798	EA		12" Horizontal 90 Degree Elbow, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	346.80	138.31
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-23.15	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	17.34	
26 05 36 00-0799	EA		18" Horizontal 90 Degree Elbow, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	412.42	171.83
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-26.93	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	20.62	
26 05 36 00-0800	EA		24" Horizontal 90 Degree Elbow, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	470.39	199.32
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-30.43	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	23.52	
26 05 36 00-0801	EA		30" Horizontal 90 Degree Elbow, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	528.21	226.19
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-33.97	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	26.41	
26 05 36 00-0802	EA		36" Horizontal 90 Degree Elbow, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	606.87	261.99
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-38.85	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	30.34	
26 05 36 00-0803			90 Degree, 36" Radius Horizontal Elbows <small>(26 05 36 00-0786)</small>		
26 05 36 00-0804	EA		6" Horizontal 90 Degree Elbow, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	305.51	113.10
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-21.13	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	15.28	
26 05 36 00-0805	EA		9" Horizontal 90 Degree Elbow, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	338.19	130.94
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-22.91	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	16.91	
26 05 36 00-0806	EA		12" Horizontal 90 Degree Elbow, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	377.97	146.51
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-25.58	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	18.90	
26 05 36 00-0807	EA		18" Horizontal 90 Degree Elbow, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	457.76	184.38
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-30.41	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	22.89	
26 05 36 00-0808	EA		24" Horizontal 90 Degree Elbow, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	530.94	216.44
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-35.06	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	26.55	
26 05 36 00-0809	EA		30" Horizontal 90 Degree Elbow, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	601.92	249.03
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-39.44	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	30.10	
26 05 36 00-0810	EA		36" Horizontal 90 Degree Elbow, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	701.82	292.60
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-45.80	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	35.09	
26 05 36 00-0811			45 Degree, 12" Radius Horizontal Elbows <small>(26 05 36 00-0786)</small>		
26 05 36 00-0812	EA		6" Horizontal 45 Degree Elbow, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	165.17	75.43
			<i>For 60 Degree Bend, Deduct</i>	-25.60	
			<i>For 30 Degree Bend, Deduct</i>	-46.86	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-10.23	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	8.26	
26 05 36 00-0813	EA		9" Horizontal 45 Degree Elbow, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	191.75	90.48
			<i>For 60 Degree Bend, Deduct</i>	-28.61	
			<i>For 30 Degree Bend, Deduct</i>	-52.71	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-11.64	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	9.59	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0814 EA 12" Horizontal 45 Degree Elbow, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	215.47	103.76
<i>For 60 Degree Bend, Deduct</i>	-31.33	
<i>For 30 Degree Bend, Deduct</i>	-57.98	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-12.90	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	10.77	
26 05 36 00-0815 EA 18" Horizontal 45 Degree Elbow, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	268.67	131.15
<i>For 60 Degree Bend, Deduct</i>	-38.40	
<i>For 30 Degree Bend, Deduct</i>	-71.28	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-15.94	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	13.43	
26 05 36 00-0816 EA 24" Horizontal 45 Degree Elbow, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	330.00	160.62
<i>For 60 Degree Bend, Deduct</i>	-47.33	
<i>For 30 Degree Bend, Deduct</i>	-87.81	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-19.62	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	16.50	
26 05 36 00-0817 EA 30" Horizontal 45 Degree Elbow, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	378.75	184.38
<i>For 60 Degree Bend, Deduct</i>	-54.30	
<i>For 30 Degree Bend, Deduct</i>	-100.74	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-22.51	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	18.94	
26 05 36 00-0818 EA 36" Horizontal 45 Degree Elbow, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	435.22	216.44
<i>For 60 Degree Bend, Deduct</i>	-60.65	
<i>For 30 Degree Bend, Deduct</i>	-113.10	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-25.48	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	21.76	
26 05 36 00-0819 45 Degree, 24" Radius Horizontal Elbows <small>(26 05 36 00-0786)</small>		
26 05 36 00-0820 EA 6" Horizontal 45 Degree Elbow, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	182.81	77.82
<i>For 60 Degree Bend, Deduct</i>	-30.51	
<i>For 30 Degree Bend, Deduct</i>	-55.18	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-11.80	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	9.14	
26 05 36 00-0821 EA 9" Horizontal 45 Degree Elbow, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	215.62	93.80
<i>For 60 Degree Bend, Deduct</i>	-35.19	
<i>For 30 Degree Bend, Deduct</i>	-63.87	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-13.74	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	10.78	
26 05 36 00-0822 EA 12" Horizontal 45 Degree Elbow, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	241.29	108.32
<i>For 60 Degree Bend, Deduct</i>	-38.11	
<i>For 30 Degree Bend, Deduct</i>	-69.53	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-15.10	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	12.06	
26 05 36 00-0823 EA 18" Horizontal 45 Degree Elbow, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	295.90	138.31
<i>For 60 Degree Bend, Deduct</i>	-44.62	
<i>For 30 Degree Bend, Deduct</i>	-82.05	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-18.06	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	14.80	
26 05 36 00-0824 EA 24" Horizontal 45 Degree Elbow, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	362.28	171.83
<i>For 60 Degree Bend, Deduct</i>	-53.70	
<i>For 30 Degree Bend, Deduct</i>	-99.05	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-21.91	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	18.11	
26 05 36 00-0825 EA 30" Horizontal 45 Degree Elbow, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	423.29	199.32
<i>For 60 Degree Bend, Deduct</i>	-63.30	
<i>For 30 Degree Bend, Deduct</i>	-116.56	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-25.72	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	21.16	
26 05 36 00-0826 EA 36" Horizontal 45 Degree Elbow, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	491.15	237.29
<i>For 60 Degree Bend, Deduct</i>	-71.13	
<i>For 30 Degree Bend, Deduct</i>	-131.73	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-29.34	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	24.56	
26 05 36 00-0827 45 Degree, 36" Radius Horizontal Elbows <small>(26 05 36 00-0786)</small>		
26 05 36 00-0828 EA 6" Horizontal 45 Degree Elbow, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	205.19	80.31
<i>For 60 Degree Bend, Deduct</i>	-36.94	
<i>For 30 Degree Bend, Deduct</i>	-66.03	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-13.83	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	10.26	
26 05 36 00-0829 EA 9" Horizontal 45 Degree Elbow, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	235.46	97.53
<i>For 60 Degree Bend, Deduct</i>	-40.32	
<i>For 30 Degree Bend, Deduct</i>	-72.62	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-15.42	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	11.77	
26 05 36 00-0830 EA 12" Horizontal 45 Degree Elbow, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	263.11	113.20
<i>For 60 Degree Bend, Deduct</i>	-43.43	
<i>For 30 Degree Bend, Deduct</i>	-78.68	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-16.88	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	13.16	
26 05 36 00-0831 EA 18" Horizontal 45 Degree Elbow, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	326.31	146.51
<i>For 60 Degree Bend, Deduct</i>	-51.50	
<i>For 30 Degree Bend, Deduct</i>	-93.98	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-20.42	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	16.32	

26 Electrical**26 05 Common Work Results For Electrical****26 05 36 Cable Trays For Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0832 EA 24" Horizontal 45 Degree Elbow, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	407.62	184.38
For 60 Degree Bend, Deduct	-63.83	
For 30 Degree Bend, Deduct	-116.62	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-25.40	
For 6" Overall Height Instead Of 4-5/8", Add	20.38	
26 05 36 00-0833 EA 30" Horizontal 45 Degree Elbow, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	467.13	216.44
For 60 Degree Bend, Deduct	-71.18	
For 30 Degree Bend, Deduct	-130.65	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-28.67	
For 6" Overall Height Instead Of 4-5/8", Add	23.36	
26 05 36 00-0834 EA 36" Horizontal 45 Degree Elbow, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	553.69	261.99
For 60 Degree Bend, Deduct	-82.28	
For 30 Degree Bend, Deduct	-151.68	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-33.53	
For 6" Overall Height Instead Of 4-5/8", Add	27.68	
26 05 36 00-0835 90 Degree, 12" Radius Vertical Risers (26 05 36 00-0786)		
26 05 36 00-0836 EA 6" Vertical Riser 90 Degree, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray	247.54	103.76
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-16.11	
For 6" Overall Height Instead Of 4-5/8", Add	12.38	
26 05 36 00-0837 EA 9" Vertical Riser 90 Degree, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray	276.24	118.49
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-17.75	
For 6" Overall Height Instead Of 4-5/8", Add	13.81	
26 05 36 00-0838 EA 12" Vertical Riser 90 Degree, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray	298.39	131.04
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-18.92	
For 6" Overall Height Instead Of 4-5/8", Add	14.92	
26 05 36 00-0839 EA 18" Vertical Riser 90 Degree, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray	350.45	160.62
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-21.66	
For 6" Overall Height Instead Of 4-5/8", Add	17.52	
26 05 36 00-0840 EA 24" Vertical Riser 90 Degree, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray	394.16	184.38
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-24.05	
For 6" Overall Height Instead Of 4-5/8", Add	19.71	
26 05 36 00-0841 EA 30" Vertical Riser 90 Degree, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray	436.76	207.52
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-26.38	
For 6" Overall Height Instead Of 4-5/8", Add	21.84	
26 05 36 00-0842 EA 36" Vertical Riser 90 Degree, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray	488.44	236.88
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-29.10	
For 6" Overall Height Instead Of 4-5/8", Add	24.42	
26 05 36 00-0843 90 Degree, 24" Radius Vertical Risers (26 05 36 00-0786)		
26 05 36 00-0844 EA 6" Vertical Riser 90 Degree, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray	261.11	108.22
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-17.09	
For 6" Overall Height Instead Of 4-5/8", Add	13.06	
26 05 36 00-0845 EA 9" Vertical Riser 90 Degree, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray	291.63	124.51
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-18.79	
For 6" Overall Height Instead Of 4-5/8", Add	14.58	
26 05 36 00-0846 EA 12" Vertical Riser 90 Degree, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray	316.71	138.31
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-20.14	
For 6" Overall Height Instead Of 4-5/8", Add	15.84	
26 05 36 00-0847 EA 18" Vertical Riser 90 Degree, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray	377.20	171.83
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-23.40	
For 6" Overall Height Instead Of 4-5/8", Add	18.86	
26 05 36 00-0848 EA 24" Vertical Riser 90 Degree, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	428.45	199.32
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-26.24	
For 6" Overall Height Instead Of 4-5/8", Add	21.42	
26 05 36 00-0849 EA 30" Vertical Riser 90 Degree, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray	478.77	226.19
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-29.03	
For 6" Overall Height Instead Of 4-5/8", Add	23.94	
26 05 36 00-0850 EA 36" Vertical Riser 90 Degree, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray	545.23	261.99
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-32.69	
For 6" Overall Height Instead Of 4-5/8", Add	27.26	
26 05 36 00-0851 90 Degree, 36" Radius Vertical Risers (26 05 36 00-0786)		
26 05 36 00-0852 EA 6" Vertical Riser 90 Degree, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray	313.33	113.10
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-21.91	
For 6" Overall Height Instead Of 4-5/8", Add	15.67	
26 05 36 00-0853 EA 9" Vertical Riser 90 Degree, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray	345.87	131.04
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-23.67	
For 6" Overall Height Instead Of 4-5/8", Add	17.29	
26 05 36 00-0854 EA 12" Vertical Riser 90 Degree, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray	379.92	146.51
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-25.78	
For 6" Overall Height Instead Of 4-5/8", Add	19.00	
26 05 36 00-0855 EA 18" Vertical Riser 90 Degree, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray	448.43	184.38
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-29.48	
For 6" Overall Height Instead Of 4-5/8", Add	22.42	
26 05 36 00-0856 EA 24" Vertical Riser 90 Degree, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray	507.28	216.44
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-32.69	
For 6" Overall Height Instead Of 4-5/8", Add	25.36	
26 05 36 00-0857 EA 30" Vertical Riser 90 Degree, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray	572.40	249.03
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-36.49	
For 6" Overall Height Instead Of 4-5/8", Add	28.62	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0858 EA 36" Vertical Riser 90 Degree, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	651.74 -40.79 32.59	292.60
26 05 36 00-0859 12" Radius Horizontal Tees <small>(26 05 36 00-0786)</small>		
26 05 36 00-0860 EA 6" Horizontal Tee, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	418.19 -25.21 20.91	199.32
26 05 36 00-0861 EA 9" Horizontal Tee, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	452.48 -27.21 22.62	216.44
26 05 36 00-0862 EA 12" Horizontal Tee, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	470.15 -28.16 23.51	226.19
26 05 36 00-0863 EA 18" Horizontal Tee, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	526.49 -31.90 26.32	249.03
26 05 36 00-0864 EA 24" Horizontal Tee, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	583.49 -35.31 29.17	276.41
26 05 36 00-0865 EA 30" Horizontal Tee, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	631.00 -38.68 31.55	293.12
26 05 36 00-0866 EA 36" Horizontal Tee, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	723.80 -44.73 36.19	331.82
26 05 36 00-0867 24" Radius Horizontal Tees <small>(26 05 36 00-0786)</small>		
26 05 36 00-0868 EA 6" Horizontal Tee, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	507.50 -32.71 25.38	216.44
26 05 36 00-0869 EA 9" Horizontal Tee, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	550.63 -35.29 27.53	237.29
26 05 36 00-0870 EA 12" Horizontal Tee, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	574.46 -36.69 28.72	249.03
26 05 36 00-0871 EA 18" Horizontal Tee, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	634.28 -40.39 31.71	276.41
26 05 36 00-0872 EA 24" Horizontal Tee, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	707.86 -44.85 35.39	311.28
26 05 36 00-0873 EA 30" Horizontal Tee, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	760.49 -48.39 38.02	331.82
26 05 36 00-0874 EA 36" Horizontal Tee, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	956.35 -63.69 47.82	383.39
26 05 36 00-0875 36" Radius Horizontal Tees <small>(26 05 36 00-0786)</small>		
26 05 36 00-0876 EA 6" Horizontal Tee, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	602.83 -40.51 30.14	237.29
26 05 36 00-0877 EA 9" Horizontal Tee, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	649.74 -43.14 32.49	261.99
26 05 36 00-0878 EA 12" Horizontal Tee, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	693.53 -46.32 34.68	276.41
26 05 36 00-0879 EA 18" Horizontal Tee, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	764.29 -50.49 38.21	311.28
26 05 36 00-0880 EA 24" Horizontal Tee, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	863.12 -56.70 43.16	355.38
26 05 36 00-0881 EA 30" Horizontal Tee, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	981.75 -66.23 49.09	383.39
26 05 36 00-0882 EA 36" Horizontal Tee, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,135.00 -75.80 56.75	452.39
26 05 36 00-0883 12" Radius Vertical Tees <small>(26 05 36 00-0786)</small>		
26 05 36 00-0884 EA 6" Vertical Tee, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	500.63 -34.70 25.03	184.38
26 05 36 00-0885 EA 9" Vertical Tee, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	518.38 -35.87 25.92	191.64

26 Electrical**26 05 Common Work Results For Electrical****26 05 36 Cable Trays For Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0886 EA 12" Vertical Tee, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	532.47	199.32
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-36.64	
For 6" Overall Height Instead Of 4-5/8", Add	26.62	
26 05 36 00-0887 EA 18" Vertical Tee, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	565.35	216.44
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-38.50	
For 6" Overall Height Instead Of 4-5/8", Add	28.27	
26 05 36 00-0888 EA 24" Vertical Tee, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	598.54	226.19
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-41.00	
For 6" Overall Height Instead Of 4-5/8", Add	29.93	
26 05 36 00-0889 EA 30" Vertical Tee, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	640.77	249.03
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-43.33	
For 6" Overall Height Instead Of 4-5/8", Add	32.04	
26 05 36 00-0890 EA 36" Vertical Tee, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	693.53	276.41
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-46.32	
For 6" Overall Height Instead Of 4-5/8", Add	34.68	
26 05 36 00-0891 24" Radius Vertical Tees (26 05 36 00-0786)		
26 05 36 00-0892 EA 6" Vertical Tee, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	659.45	199.32
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-49.34	
For 6" Overall Height Instead Of 4-5/8", Add	32.97	
26 05 36 00-0893 EA 9" Vertical Tee, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	677.42	207.52
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-50.45	
For 6" Overall Height Instead Of 4-5/8", Add	33.87	
26 05 36 00-0894 EA 12" Vertical Tee, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	696.56	216.44
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-51.62	
For 6" Overall Height Instead Of 4-5/8", Add	34.83	
26 05 36 00-0895 EA 18" Vertical Tee, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	741.09	237.29
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-54.34	
For 6" Overall Height Instead Of 4-5/8", Add	37.05	
26 05 36 00-0896 EA 24" Vertical Tee, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	769.16	249.03
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-56.16	
For 6" Overall Height Instead Of 4-5/8", Add	38.46	
26 05 36 00-0897 EA 30" Vertical Tee, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	823.33	276.41
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-59.30	
For 6" Overall Height Instead Of 4-5/8", Add	41.17	
26 05 36 00-0898 EA 36" Vertical Tee, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	913.84	311.28
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-65.44	
For 6" Overall Height Instead Of 4-5/8", Add	45.69	
26 05 36 00-0899 36" Radius Vertical Tee (26 05 36 00-0786)		
26 05 36 00-0900 EA 6" Vertical Tee, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	983.45	216.44
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-80.31	
For 6" Overall Height Instead Of 4-5/8", Add	49.17	
26 05 36 00-0901 EA 9" Vertical Tee, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	1,007.80	226.19
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-81.93	
For 6" Overall Height Instead Of 4-5/8", Add	50.39	
26 05 36 00-0902 EA 12" Vertical Tee, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	1,034.28	237.29
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-83.66	
For 6" Overall Height Instead Of 4-5/8", Add	51.71	
26 05 36 00-0903 EA 18" Vertical Tee, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	1,083.65	261.99
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-86.53	
For 6" Overall Height Instead Of 4-5/8", Add	54.18	
26 05 36 00-0904 EA 24" Vertical Tee, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	1,115.78	276.41
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-88.54	
For 6" Overall Height Instead Of 4-5/8", Add	55.79	
26 05 36 00-0905 EA 30" Vertical Tee, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	1,198.09	311.28
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-93.87	
For 6" Overall Height Instead Of 4-5/8", Add	59.90	
26 05 36 00-0906 EA 36" Vertical Tee, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	1,279.60	355.38
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-98.35	
For 6" Overall Height Instead Of 4-5/8", Add	63.98	
26 05 36 00-0907 12" Radius Horizontal Crosses (26 05 36 00-0786)		
26 05 36 00-0908 EA 6" Horizontal Cross, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	534.95	249.03
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-32.74	
For 6" Overall Height Instead Of 4-5/8", Add	26.75	
26 05 36 00-0909 EA 9" Horizontal Cross, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	569.32	261.99
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-35.10	
For 6" Overall Height Instead Of 4-5/8", Add	28.47	
26 05 36 00-0910 EA 12" Horizontal Cross, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	594.77	276.41
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-36.44	
For 6" Overall Height Instead Of 4-5/8", Add	29.74	
26 05 36 00-0911 EA 18" Horizontal Cross, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	650.75	293.12
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-40.65	
For 6" Overall Height Instead Of 4-5/8", Add	32.54	
26 05 36 00-0912 EA 24" Horizontal Cross, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	720.98	331.82
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-44.44	
For 6" Overall Height Instead Of 4-5/8", Add	36.05	
26 05 36 00-0913 EA 30" Horizontal Cross, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	789.75	355.38
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-49.36	
For 6" Overall Height Instead Of 4-5/8", Add	39.49	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0914 EA 36" Horizontal Cross, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	885.81	383.39
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-56.64	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	44.29	
26 05 36 00-0915 24" Radius Horizontal Crosses <small>(26 05 36 00-0786)</small>		
26 05 36 00-0916 EA 6" Horizontal Cross, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	690.71	276.41
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-46.03	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	34.54	
26 05 36 00-0917 EA 9" Horizontal Cross, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	725.53	293.12
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-48.13	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	36.28	
26 05 36 00-0918 EA 12" Horizontal Cross, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	762.88	311.28
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-50.35	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	38.14	
26 05 36 00-0919 EA 18" Horizontal Cross, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	809.87	331.82
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-53.33	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	40.49	
26 05 36 00-0920 EA 24" Horizontal Cross, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	918.26	383.39
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-59.88	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	45.91	
26 05 36 00-0921 EA 30" Horizontal Cross, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	887.38	415.03
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-54.15	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	44.37	
26 05 36 00-0922 EA 36" Horizontal Cross, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	974.64	452.39
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-59.76	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	48.73	
26 05 36 00-0923 36" Radius Horizontal Crosses <small>(26 05 36 00-0786)</small>		
26 05 36 00-0924 EA 6" Horizontal Cross, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	789.69	311.28
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-53.03	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	39.48	
26 05 36 00-0925 EA 9" Horizontal Cross, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	737.67	331.82
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-46.11	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	36.88	
26 05 36 00-0926 EA 12" Horizontal Cross, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	787.88	355.38
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-49.18	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	39.39	
26 05 36 00-0927 EA 18" Horizontal Cross, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	957.77	383.39
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-63.83	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	47.89	
26 05 36 00-0928 EA 24" Horizontal Cross, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	1,149.11	452.39
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-77.21	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	57.46	
26 05 36 00-0929 EA 30" Horizontal Cross, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	1,266.12	497.21
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-85.17	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	63.31	
26 05 36 00-0930 EA 36" Horizontal Cross, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	1,409.87	553.87
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-94.83	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	70.49	
26 05 36 00-0931 12" Radius Vertical Cross <small>(26 05 36 00-0786)</small>		
26 05 36 00-0932 EA 6" Vertical Cross, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	534.95	249.03
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-32.74	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	26.75	
26 05 36 00-0933 EA 9" Vertical Cross, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	569.46	262.10
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-35.10	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	28.47	
26 05 36 00-0934 EA 12" Vertical Cross, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	594.69	276.41
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-36.44	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	29.73	
26 05 36 00-0935 EA 18" Vertical Cross, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	650.94	293.22
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-40.66	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	32.55	
26 05 36 00-0936 EA 24" Vertical Cross, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	720.98	331.82
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-44.44	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	36.05	
26 05 36 00-0937 EA 30" Vertical Cross, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	790.02	355.48
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-49.38	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	39.50	
26 05 36 00-0938 EA 36" Vertical Cross, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	885.02	382.87
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-56.60	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	44.25	
26 05 36 00-0939 24" Radius Vertical Crosses <small>(26 05 36 00-0786)</small>		
26 05 36 00-0940 EA 6" Vertical Cross, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	690.71	276.41
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-46.03	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	34.54	
26 05 36 00-0941 EA 9" Vertical Cross, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	725.53	293.12
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-48.13	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	36.28	

26 Electrical**26 05 Common Work Results For Electrical****26 05 36 Cable Trays For Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0942 EA 12" Vertical Cross, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	762.88	311.28
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-50.35	
For 6" Overall Height Instead Of 4-5/8", Add	38.14	
26 05 36 00-0943 EA 18" Vertical Cross, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	809.87	331.82
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-53.33	
For 6" Overall Height Instead Of 4-5/8", Add	40.49	
26 05 36 00-0944 EA 24" Vertical Cross, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	918.26	383.39
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-59.88	
For 6" Overall Height Instead Of 4-5/8", Add	45.91	
26 05 36 00-0945 EA 30" Vertical Cross, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	990.83	415.03
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-64.50	
For 6" Overall Height Instead Of 4-5/8", Add	49.54	
26 05 36 00-0946 EA 36" Vertical Cross, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	1,091.27	452.39
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-71.42	
For 6" Overall Height Instead Of 4-5/8", Add	54.56	
26 05 36 00-0947 36" Radius Vertical Crosses (26 05 36 00-0786)		
26 05 36 00-0948 EA 6" Vertical Cross, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	911.58	311.28
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-65.22	
For 6" Overall Height Instead Of 4-5/8", Add	45.58	
26 05 36 00-0949 EA 9" Vertical Cross, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	962.24	331.82
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-68.57	
For 6" Overall Height Instead Of 4-5/8", Add	48.11	
26 05 36 00-0950 EA 12" Vertical Cross, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	1,025.93	355.38
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-72.98	
For 6" Overall Height Instead Of 4-5/8", Add	51.30	
26 05 36 00-0951 EA 18" Vertical Cross, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	1,101.25	383.39
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-78.18	
For 6" Overall Height Instead Of 4-5/8", Add	55.06	
26 05 36 00-0952 EA 24" Vertical Cross, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	1,326.88	452.39
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-94.98	
For 6" Overall Height Instead Of 4-5/8", Add	66.34	
26 05 36 00-0953 EA 30" Vertical Cross, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	1,462.93	497.21
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-104.86	
For 6" Overall Height Instead Of 4-5/8", Add	73.15	
26 05 36 00-0954 EA 36" Vertical Cross, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	1,628.90	553.87
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-116.73	
For 6" Overall Height Instead Of 4-5/8", Add	81.45	
26 05 36 00-0955 6" Rung Tray Fittings (26 05 36 00-0744)		
26 05 36 00-0956 90 Degree, 12" Radius Horizontal Elbows (26 05 36 00-0955)		
26 05 36 00-0957 EA 6" Horizontal 90 Degree Elbow, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	224.83	104.07
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-13.81	
For 6" Overall Height Instead Of 4-5/8", Add	11.24	
26 05 36 00-0958 EA 9" Horizontal 90 Degree Elbow, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	250.30	118.49
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-15.15	
For 6" Overall Height Instead Of 4-5/8", Add	12.52	
26 05 36 00-0959 EA 12" Horizontal 90 Degree Elbow, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	280.86	131.04
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-17.17	
For 6" Overall Height Instead Of 4-5/8", Add	14.04	
26 05 36 00-0960 EA 18" Horizontal 90 Degree Elbow, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	338.03	160.62
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-20.42	
For 6" Overall Height Instead Of 4-5/8", Add	16.90	
26 05 36 00-0961 EA 24" Horizontal 90 Degree Elbow, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	394.60	184.38
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-24.09	
For 6" Overall Height Instead Of 4-5/8", Add	19.73	
26 05 36 00-0962 EA 30" Horizontal 90 Degree Elbow, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	438.34	207.52
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-26.54	
For 6" Overall Height Instead Of 4-5/8", Add	21.92	
26 05 36 00-0963 EA 36" Horizontal 90 Degree Elbow, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	507.31	237.19
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-30.97	
For 6" Overall Height Instead Of 4-5/8", Add	25.37	
26 05 36 00-0964 90 Degree, 24" Radius Horizontal Elbows (26 05 36 00-0955)		
26 05 36 00-0965 EA 6" Horizontal 90 Degree Elbow, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	271.55	108.22
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-18.14	
For 6" Overall Height Instead Of 4-5/8", Add	13.58	
26 05 36 00-0966 EA 9" Horizontal 90 Degree Elbow, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	302.42	124.40
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-19.87	
For 6" Overall Height Instead Of 4-5/8", Add	15.12	
26 05 36 00-0967 EA 12" Horizontal 90 Degree Elbow, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	330.20	138.31
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-21.49	
For 6" Overall Height Instead Of 4-5/8", Add	16.51	
26 05 36 00-0968 EA 18" Horizontal 90 Degree Elbow, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	394.40	171.83
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-25.12	
For 6" Overall Height Instead Of 4-5/8", Add	19.72	
26 05 36 00-0969 EA 24" Horizontal 90 Degree Elbow, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	450.64	199.32
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-28.46	
For 6" Overall Height Instead Of 4-5/8", Add	22.53	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0970 EA 30" Horizontal 90 Degree Elbow, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	506.61	226.19
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-31.81	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	25.33	
26 05 36 00-0971 EA 36" Horizontal 90 Degree Elbow, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	582.56	261.99
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-36.42	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	29.13	
26 05 36 00-0972 90 Degree, 36" Radius Horizontal Elbows <small>(26 05 36 00-0955)</small>		
26 05 36 00-0973 EA 6" Horizontal 90 Degree Elbow, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	288.80	113.10
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-19.45	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	14.44	
26 05 36 00-0974 EA 9" Horizontal 90 Degree Elbow, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	321.04	130.94
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-21.20	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	16.05	
26 05 36 00-0975 EA 12" Horizontal 90 Degree Elbow, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	358.87	146.51
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-23.67	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	17.94	
26 05 36 00-0976 EA 18" Horizontal 90 Degree Elbow, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	436.27	184.38
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-28.26	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	21.81	
26 05 36 00-0977 EA 24" Horizontal 90 Degree Elbow, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	506.63	216.44
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-32.62	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	25.33	
26 05 36 00-0978 EA 30" Horizontal 90 Degree Elbow, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	575.22	249.03
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-36.77	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	28.76	
26 05 36 00-0979 EA 36" Horizontal 90 Degree Elbow, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	671.22	292.60
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-42.74	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	33.56	
26 05 36 00-0980 45 Degree, 12" Radius Horizontal Elbows <small>(26 05 36 00-0955)</small>		
26 05 36 00-0981 EA 6" Horizontal 45 Degree Elbow, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	159.53	75.43
<i>For 60 Degree Bend, Deduct</i>	-23.74	
<i>For 30 Degree Bend, Deduct</i>	-43.76	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-9.67	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	7.98	
26 05 36 00-0982 EA 9" Horizontal 45 Degree Elbow, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	185.89	90.48
<i>For 60 Degree Bend, Deduct</i>	-26.68	
<i>For 30 Degree Bend, Deduct</i>	-49.48	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-11.05	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	9.29	
26 05 36 00-0983 EA 12" Horizontal 45 Degree Elbow, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	209.40	103.76
<i>For 60 Degree Bend, Deduct</i>	-29.33	
<i>For 30 Degree Bend, Deduct</i>	-54.64	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-12.29	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	10.47	
26 05 36 00-0984 EA 18" Horizontal 45 Degree Elbow, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	261.51	131.15
<i>For 60 Degree Bend, Deduct</i>	-36.04	
<i>For 30 Degree Bend, Deduct</i>	-67.35	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-15.22	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	13.08	
26 05 36 00-0985 EA 24" Horizontal 45 Degree Elbow, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	321.10	160.62
<i>For 60 Degree Bend, Deduct</i>	-44.39	
<i>For 30 Degree Bend, Deduct</i>	-82.91	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-18.73	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	16.06	
26 05 36 00-0986 EA 30" Horizontal 45 Degree Elbow, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	368.55	184.38
<i>For 60 Degree Bend, Deduct</i>	-50.93	
<i>For 30 Degree Bend, Deduct</i>	-95.13	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-21.49	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	18.43	
26 05 36 00-0987 EA 36" Horizontal 45 Degree Elbow, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	424.58	216.44
<i>For 60 Degree Bend, Deduct</i>	-57.13	
<i>For 30 Degree Bend, Deduct</i>	-107.25	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-24.42	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	21.23	
26 05 36 00-0988 45 Degree, 24" Radius Horizontal Elbows <small>(26 05 36 00-0955)</small>		
26 05 36 00-0989 EA 6" Horizontal 45 Degree Elbow, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	175.21	77.82
<i>For 60 Degree Bend, Deduct</i>	-28.00	
<i>For 30 Degree Bend, Deduct</i>	-51.00	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-11.04	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	8.76	
26 05 36 00-0990 EA 9" Horizontal 45 Degree Elbow, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	207.15	93.80
<i>For 60 Degree Bend, Deduct</i>	-32.40	
<i>For 30 Degree Bend, Deduct</i>	-59.21	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-12.90	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	10.36	

26 **26** **Electrical**
26 05 **Common Work Results For Electrical**
26 05 36 **Cable Trays For Electrical Systems**



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0991	EA		12" Horizontal 45 Degree Elbow, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	232.60	108.32
			For 60 Degree Bend, Deduct	-35.24	
			For 30 Degree Bend, Deduct	-64.75	
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-14.23	
			For 6" Overall Height Instead Of 4-5/8", Add	11.63	
26 05 36 00-0992	EA		18" Horizontal 45 Degree Elbow, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	286.57	138.31
			For 60 Degree Bend, Deduct	-41.54	
			For 30 Degree Bend, Deduct	-76.91	
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-17.13	
			For 6" Overall Height Instead Of 4-5/8", Add	14.33	
26 05 36 00-0993	EA		24" Horizontal 45 Degree Elbow, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	351.43	171.83
			For 60 Degree Bend, Deduct	-50.12	
			For 30 Degree Bend, Deduct	-93.08	
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-20.83	
			For 6" Overall Height Instead Of 4-5/8", Add	17.57	
26 05 36 00-0994	EA		30" Horizontal 45 Degree Elbow, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	410.27	199.32
			For 60 Degree Bend, Deduct	-59.00	
			For 30 Degree Bend, Deduct	-109.40	
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-24.42	
			For 6" Overall Height Instead Of 4-5/8", Add	20.51	
26 05 36 00-0995	EA		36" Horizontal 45 Degree Elbow, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	477.48	237.29
			For 60 Degree Bend, Deduct	-66.62	
			For 30 Degree Bend, Deduct	-124.21	
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-27.98	
			For 6" Overall Height Instead Of 4-5/8", Add	23.87	
26 05 36 00-0996 45 Degree, 36" Radius Horizontal Elbows <small>(26 05 36 00-0955)</small>					
26 05 36 00-0997	EA		6" Horizontal 45 Degree Elbow, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	194.99	80.31
			For 60 Degree Bend, Deduct	-33.58	
			For 30 Degree Bend, Deduct	-60.42	
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-12.81	
			For 6" Overall Height Instead Of 4-5/8", Add	9.75	
26 05 36 00-0998	EA		9" Horizontal 45 Degree Elbow, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	225.04	97.53
			For 60 Degree Bend, Deduct	-36.88	
			For 30 Degree Bend, Deduct	-66.89	
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-14.38	
			For 6" Overall Height Instead Of 4-5/8", Add	11.25	
26 05 36 00-0999	EA		12" Horizontal 45 Degree Elbow, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	252.47	113.20
			For 60 Degree Bend, Deduct	-39.92	
			For 30 Degree Bend, Deduct	-72.83	
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-15.81	
			For 6" Overall Height Instead Of 4-5/8", Add	12.62	
26 05 36 00-1000	EA		18" Horizontal 45 Degree Elbow, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	314.59	146.51
			For 60 Degree Bend, Deduct	-47.63	
			For 30 Degree Bend, Deduct	-87.53	
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-19.25	
			For 6" Overall Height Instead Of 4-5/8", Add	15.73	
26 05 36 00-1001	EA		24" Horizontal 45 Degree Elbow, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	393.29	184.38
			For 60 Degree Bend, Deduct	-59.10	
			For 30 Degree Bend, Deduct	-108.74	
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-23.96	
			For 6" Overall Height Instead Of 4-5/8", Add	19.66	
26 05 36 00-1002	EA		30" Horizontal 45 Degree Elbow, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	451.93	216.44
			For 60 Degree Bend, Deduct	-66.16	
			For 30 Degree Bend, Deduct	-122.29	
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-27.15	
			For 6" Overall Height Instead Of 4-5/8", Add	22.60	
26 05 36 00-1003	EA		36" Horizontal 45 Degree Elbow, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	536.98	261.99
			For 60 Degree Bend, Deduct	-76.76	
			For 30 Degree Bend, Deduct	-142.49	
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-31.86	
			For 6" Overall Height Instead Of 4-5/8", Add	26.85	
26 05 36 00-1004 90 Degree, 12" Radius Vertical Risers <small>(26 05 36 00-0955)</small>					
26 05 36 00-1005	EA		6" Vertical Riser 90 Degree, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	241.57	103.76
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-15.51	
			For 6" Overall Height Instead Of 4-5/8", Add	12.08	
26 05 36 00-1006	EA		9" Vertical Riser 90 Degree, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	269.95	118.49
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-17.12	
			For 6" Overall Height Instead Of 4-5/8", Add	13.50	
26 05 36 00-1007	EA		12" Vertical Riser 90 Degree, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	291.99	131.04
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-18.28	
			For 6" Overall Height Instead Of 4-5/8", Add	14.60	
26 05 36 00-1008	EA		18" Vertical Riser 90 Degree, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	343.83	160.62
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-21.00	
			For 6" Overall Height Instead Of 4-5/8", Add	17.19	
26 05 36 00-1009	EA		24" Vertical Riser 90 Degree, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	387.22	184.38
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-23.36	
			For 6" Overall Height Instead Of 4-5/8", Add	19.36	
26 05 36 00-1010	EA		30" Vertical Riser 90 Degree, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	429.49	207.52
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-25.66	
			For 6" Overall Height Instead Of 4-5/8", Add	21.47	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1011 EA 36" Vertical Riser 90 Degree, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	480.95 -28.35 24.05	236.88
26 05 36 00-1012 90 Degree, 24" Radius Vertical Risers <small>(26 05 36 00-0955)</small>		
26 05 36 00-1013 EA 6" Vertical Riser 90 Degree, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	254.65 -16.45 12.73	108.22
26 05 36 00-1014 EA 9" Vertical Riser 90 Degree, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	284.90 -18.11 14.25	124.51
26 05 36 00-1015 EA 12" Vertical Riser 90 Degree, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	309.82 -19.45 15.49	138.31
26 05 36 00-1016 EA 18" Vertical Riser 90 Degree, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	369.93 -22.68 18.50	171.83
26 05 36 00-1017 EA 24" Vertical Riser 90 Degree, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	420.74 -25.47 21.04	199.32
26 05 36 00-1018 EA 30" Vertical Riser 90 Degree, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	470.64 -28.21 23.53	226.19
26 05 36 00-1019 EA 36" Vertical Riser 90 Degree, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	536.55 -31.82 26.83	261.99
26 05 36 00-1020 90 Degree, 36" Radius Vertical Risers <small>(26 05 36 00-0955)</small>		
26 05 36 00-1021 EA 6" Vertical Riser 90 Degree, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	303.34 -20.91 15.17	113.10
26 05 36 00-1022 EA 9" Vertical Riser 90 Degree, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	335.67 -22.65 16.78	131.04
26 05 36 00-1023 EA 12" Vertical Riser 90 Degree, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	369.07 -24.69 18.45	146.51
26 05 36 00-1024 EA 18" Vertical Riser 90 Degree, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	437.14 -28.35 21.86	184.38
26 05 36 00-1025 EA 24" Vertical Riser 90 Degree, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	495.56 -31.52 24.78	216.44
26 05 36 00-1026 EA 30" Vertical Riser 90 Degree, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	559.81 -35.23 27.99	249.03
26 05 36 00-1027 EA 36" Vertical Riser 90 Degree, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	638.61 -39.48 31.93	292.60
26 05 36 00-1028 12" Radius Horizontal Tees <small>(26 05 36 00-0955)</small>		
26 05 36 00-1029 EA 6" Horizontal Tee, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	411.57 -24.55 20.58	199.32
26 05 36 00-1030 EA 9" Horizontal Tee, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	445.42 -26.50 22.27	216.44
26 05 36 00-1031 EA 12" Horizontal Tee, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	462.98 -27.45 23.15	226.19
26 05 36 00-1032 EA 18" Horizontal Tee, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	517.91 -31.04 25.90	249.03
26 05 36 00-1033 EA 24" Horizontal Tee, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	574.04 -34.37 28.70	276.41
26 05 36 00-1034 EA 30" Horizontal Tee, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	620.04 -37.58 31.00	293.12
26 05 36 00-1035 EA 36" Horizontal Tee, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	710.67 -43.41 35.53	331.82
26 05 36 00-1036 24" Radius Horizontal Tees <small>(26 05 36 00-0955)</small>		
26 05 36 00-1037 EA 6" Horizontal Tee, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	496.21 -31.58 24.81	216.44
26 05 36 00-1038 EA 9" Horizontal Tee, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	538.69 -34.10 26.93	237.29

26 Electrical**26 05 Common Work Results For Electrical****26 05 36 Cable Trays For Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1039 EA 12" Horizontal Tee, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	562.19	249.03
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-35.47	
For 6" Overall Height Instead Of 4-5/8", Add	28.11	
26 05 36 00-1040 EA 18" Horizontal Tee, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	620.93	276.41
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-39.06	
For 6" Overall Height Instead Of 4-5/8", Add	31.05	
26 05 36 00-1041 EA 24" Horizontal Tee, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	693.31	311.28
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-43.39	
For 6" Overall Height Instead Of 4-5/8", Add	34.67	
26 05 36 00-1042 EA 30" Horizontal Tee, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	744.53	331.82
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-46.80	
For 6" Overall Height Instead Of 4-5/8", Add	37.23	
26 05 36 00-1043 EA 36" Horizontal Tee, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	931.94	383.39
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-61.25	
For 6" Overall Height Instead Of 4-5/8", Add	46.60	
26 05 36 00-1044 36" Radius Horizontal Tees (26 05 36 00-0955)		
26 05 36 00-1045 EA 6" Horizontal Tee, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	586.87	237.29
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-38.92	
For 6" Overall Height Instead Of 4-5/8", Add	29.34	
26 05 36 00-1046 EA 9" Horizontal Tee, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	633.35	261.99
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-41.50	
For 6" Overall Height Instead Of 4-5/8", Add	31.67	
26 05 36 00-1047 EA 12" Horizontal Tee, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	675.63	276.41
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-44.53	
For 6" Overall Height Instead Of 4-5/8", Add	33.78	
26 05 36 00-1048 EA 18" Horizontal Tee, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	745.41	311.28
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-48.60	
For 6" Overall Height Instead Of 4-5/8", Add	37.27	
26 05 36 00-1049 EA 24" Horizontal Tee, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	842.28	355.38
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-54.62	
For 6" Overall Height Instead Of 4-5/8", Add	42.11	
26 05 36 00-1050 EA 30" Horizontal Tee, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	955.38	383.39
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-63.59	
For 6" Overall Height Instead Of 4-5/8", Add	47.77	
26 05 36 00-1051 EA 36" Horizontal Tee, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	1,105.70	452.39
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-72.87	
For 6" Overall Height Instead Of 4-5/8", Add	55.29	
26 05 36 00-1052 12" Radius Vertical Tees (26 05 36 00-0955)		
26 05 36 00-1053 EA 6" Vertical Tee, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	485.76	184.38
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-33.21	
For 6" Overall Height Instead Of 4-5/8", Add	24.29	
26 05 36 00-1054 EA 9" Vertical Tee, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	503.08	191.64
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-34.34	
For 6" Overall Height Instead Of 4-5/8", Add	25.15	
26 05 36 00-1055 EA 12" Vertical Tee, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	517.06	199.32
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-35.10	
For 6" Overall Height Instead Of 4-5/8", Add	25.85	
26 05 36 00-1056 EA 18" Vertical Tee, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	549.61	216.44
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-36.92	
For 6" Overall Height Instead Of 4-5/8", Add	27.48	
26 05 36 00-1057 EA 24" Vertical Tee, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	581.50	226.19
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-39.30	
For 6" Overall Height Instead Of 4-5/8", Add	29.08	
26 05 36 00-1058 EA 30" Vertical Tee, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	623.40	249.03
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-41.59	
For 6" Overall Height Instead Of 4-5/8", Add	31.17	
26 05 36 00-1059 EA 36" Vertical Tee, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	675.63	276.41
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-44.53	
For 6" Overall Height Instead Of 4-5/8", Add	33.78	
26 05 36 00-1060 24" Radius Vertical Tees (26 05 36 00-0955)		
26 05 36 00-1061 EA 6" Vertical Tee, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	634.27	199.32
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-46.82	
For 6" Overall Height Instead Of 4-5/8", Add	31.71	
26 05 36 00-1062 EA 9" Vertical Tee, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	651.92	207.52
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-47.90	
For 6" Overall Height Instead Of 4-5/8", Add	32.60	
26 05 36 00-1063 EA 12" Vertical Tee, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	670.73	216.44
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-49.03	
For 6" Overall Height Instead Of 4-5/8", Add	33.54	
26 05 36 00-1064 EA 18" Vertical Tee, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	714.50	237.29
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-51.68	
For 6" Overall Height Instead Of 4-5/8", Add	35.73	
26 05 36 00-1065 EA 24" Vertical Tee, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	741.92	249.03
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-53.44	
For 6" Overall Height Instead Of 4-5/8", Add	37.10	
26 05 36 00-1066 EA 30" Vertical Tee, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	795.44	276.41
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-56.51	
For 6" Overall Height Instead Of 4-5/8", Add	39.77	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1067 EA 36" Vertical Tee, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	883.45 -62.41 44.17	311.28
26 05 36 00-1068 36" Radius Vertical Tees <small>(26 05 36 00-0955)</small>		
26 05 36 00-1069 EA 6" Vertical Tee, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	935.56 -75.52 46.78	216.44
26 05 36 00-1070 EA 9" Vertical Tee, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	959.28 -77.08 47.96	226.19
26 05 36 00-1071 EA 12" Vertical Tee, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	985.14 -78.74 49.26	237.29
26 05 36 00-1072 EA 18" Vertical Tee, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,033.89 -81.55 51.69	261.99
26 05 36 00-1073 EA 24" Vertical Tee, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,065.39 -83.50 53.27	276.41
26 05 36 00-1074 EA 30" Vertical Tee, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,145.84 -88.64 57.29	311.28
26 05 36 00-1075 EA 36" Vertical Tee, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,226.73 -93.06 61.34	355.38
26 05 36 00-1076 12" Radius Horizontal Crosses <small>(26 05 36 00-0955)</small>		
26 05 36 00-1077 EA 6" Horizontal Cross, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	525.73 -31.82 26.29	249.03
26 05 36 00-1078 EA 9" Horizontal Cross, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	559.12 -34.08 27.96	261.99
26 05 36 00-1079 EA 12" Horizontal Cross, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	584.46 -35.41 29.22	276.41
26 05 36 00-1080 EA 18" Horizontal Cross, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	638.27 -39.40 31.91	293.12
26 05 36 00-1081 EA 24" Horizontal Cross, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	708.07 -43.15 35.40	331.82
26 05 36 00-1082 EA 30" Horizontal Cross, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	774.56 -47.84 38.73	355.38
26 05 36 00-1083 EA 36" Horizontal Cross, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	866.82 -54.74 43.34	383.39
26 05 36 00-1084 24" Radius Horizontal Crosses <small>(26 05 36 00-0955)</small>		
26 05 36 00-1085 EA 6" Horizontal Cross, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	673.02 -44.27 33.65	276.41
26 05 36 00-1086 EA 9" Horizontal Cross, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	707.29 -46.30 35.36	293.12
26 05 36 00-1087 EA 12" Horizontal Cross, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	744.10 -48.47 37.21	311.28
26 05 36 00-1088 EA 18" Horizontal Cross, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	790.12 -51.36 39.51	331.82
26 05 36 00-1089 EA 24" Horizontal Cross, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	896.77 -57.73 44.84	383.39
26 05 36 00-1090 EA 30" Horizontal Cross, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	967.83 -62.20 48.39	415.03
26 05 36 00-1091 EA 36" Horizontal Cross, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,065.33 -68.83 53.27	452.39
26 05 36 00-1092 36" Radius Horizontal Crosses <small>(26 05 36 00-0955)</small>		
26 05 36 00-1093 EA 6" Horizontal Cross, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	768.85 -50.95 38.44	311.28
26 05 36 00-1094 EA 9" Horizontal Cross, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	813.56 -53.70 40.68	331.82

26 Electrical**26 05 Common Work Results For Electrical****26 05 36 Cable Trays For Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1095 EA 12" Horizontal Cross, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	868.33	355.38
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-57.22	
For 6" Overall Height Instead Of 4-5/8", Add	43.42	
26 05 36 00-1096 EA 18" Horizontal Cross, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	933.24	383.39
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-61.38	
For 6" Overall Height Instead Of 4-5/8", Add	46.66	
26 05 36 00-1097 EA 24" Horizontal Cross, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	1,118.72	452.39
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-74.17	
For 6" Overall Height Instead Of 4-5/8", Add	55.94	
26 05 36 00-1098 EA 30" Horizontal Cross, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	1,232.47	497.21
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-81.81	
For 6" Overall Height Instead Of 4-5/8", Add	61.62	
26 05 36 00-1099 EA 36" Horizontal Cross, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	1,372.43	553.87
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-91.09	
For 6" Overall Height Instead Of 4-5/8", Add	68.62	
26 05 36 00-1100 12" Radius Vertical Crosses (26 05 36 00-0955)		
26 05 36 00-1101 EA 6" Vertical Cross, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	525.73	249.03
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-31.82	
For 6" Overall Height Instead Of 4-5/8", Add	26.29	
26 05 36 00-1102 EA 9" Vertical Cross, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	559.26	262.10
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-34.08	
For 6" Overall Height Instead Of 4-5/8", Add	27.96	
26 05 36 00-1103 EA 12" Vertical Cross, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	584.38	276.41
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-35.41	
For 6" Overall Height Instead Of 4-5/8", Add	29.22	
26 05 36 00-1104 EA 18" Vertical Cross, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	638.46	293.22
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-39.41	
For 6" Overall Height Instead Of 4-5/8", Add	31.92	
26 05 36 00-1105 EA 24" Vertical Cross, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	708.07	331.82
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-43.15	
For 6" Overall Height Instead Of 4-5/8", Add	35.40	
26 05 36 00-1106 EA 30" Vertical Cross, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	774.83	355.48
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-47.86	
For 6" Overall Height Instead Of 4-5/8", Add	38.74	
26 05 36 00-1107 EA 36" Vertical Cross, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	866.03	382.87
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-54.70	
For 6" Overall Height Instead Of 4-5/8", Add	43.30	
26 05 36 00-1108 24" Radius Vertical Crosses (26 05 36 00-0955)		
26 05 36 00-1109 EA 6" Vertical Cross, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	673.02	276.41
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-44.27	
For 6" Overall Height Instead Of 4-5/8", Add	33.65	
26 05 36 00-1110 EA 9" Vertical Cross, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	707.29	293.12
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-46.30	
For 6" Overall Height Instead Of 4-5/8", Add	35.36	
26 05 36 00-1111 EA 12" Vertical Cross, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	744.10	311.28
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-48.47	
For 6" Overall Height Instead Of 4-5/8", Add	37.21	
26 05 36 00-1112 EA 18" Vertical Cross, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	790.12	331.82
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-51.36	
For 6" Overall Height Instead Of 4-5/8", Add	39.51	
26 05 36 00-1113 EA 24" Vertical Cross, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	896.77	383.39
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-57.73	
For 6" Overall Height Instead Of 4-5/8", Add	44.84	
26 05 36 00-1114 EA 30" Vertical Cross, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	967.83	415.03
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-62.20	
For 6" Overall Height Instead Of 4-5/8", Add	48.39	
26 05 36 00-1115 EA 36" Vertical Cross, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	1,065.33	452.39
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-68.83	
For 6" Overall Height Instead Of 4-5/8", Add	53.27	
26 05 36 00-1116 36" Radius Vertical Crosses (26 05 36 00-0955)		
26 05 36 00-1117 EA 6" Vertical Cross, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	881.37	311.28
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-62.20	
For 6" Overall Height Instead Of 4-5/8", Add	44.07	
26 05 36 00-1118 EA 9" Vertical Cross, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	930.77	331.82
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-65.42	
For 6" Overall Height Instead Of 4-5/8", Add	46.54	
26 05 36 00-1119 EA 12" Vertical Cross, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	992.57	355.38
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-69.65	
For 6" Overall Height Instead Of 4-5/8", Add	49.63	
26 05 36 00-1120 EA 18" Vertical Cross, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	1,065.69	383.39
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-74.62	
For 6" Overall Height Instead Of 4-5/8", Add	53.28	
26 05 36 00-1121 EA 24" Vertical Cross, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	1,282.82	452.39
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-90.58	
For 6" Overall Height Instead Of 4-5/8", Add	64.14	
26 05 36 00-1122 EA 30" Vertical Cross, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	1,414.15	497.21
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-99.98	
For 6" Overall Height Instead Of 4-5/8", Add	70.71	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1123 EA 36" Vertical Cross, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,574.61 -111.31 78.73	553.87
26 05 36 00-1124 9" Rung Tray Fittings <small>(26 05 36 00-0744)</small>		
26 05 36 00-1125 90 Degree, 12" Radius Horizontal Elbows <small>(26 05 36 00-1124)</small>		
26 05 36 00-1126 EA 6" Horizontal 90 Degree Elbow, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	216.26 -12.96 10.81	104.07
26 05 36 00-1127 EA 9" Horizontal 90 Degree Elbow, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	241.51 -14.27 12.08	118.49
26 05 36 00-1128 EA 12" Horizontal 90 Degree Elbow, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	270.44 -16.13 13.52	131.04
26 05 36 00-1129 EA 18" Horizontal 90 Degree Elbow, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	326.31 -19.25 16.32	160.62
26 05 36 00-1130 EA 24" Horizontal 90 Degree Elbow, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	380.05 -22.64 19.00	184.38
26 05 36 00-1131 EA 30" Horizontal 90 Degree Elbow, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	422.92 -25.00 21.15	207.52
26 05 36 00-1132 EA 36" Horizontal 90 Degree Elbow, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	488.64 -29.10 24.43	237.19
26 05 36 00-1133 90 Degree, 24" Radius Horizontal Elbows <small>(26 05 36 00-1124)</small>		
26 05 36 00-1134 EA 6" Horizontal 90 Degree Elbow, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	256.36 -16.62 12.82	108.22
26 05 36 00-1135 EA 9" Horizontal 90 Degree Elbow, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	286.58 -18.29 14.33	124.40
26 05 36 00-1136 EA 12" Horizontal 90 Degree Elbow, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	313.59 -19.83 15.68	138.31
26 05 36 00-1137 EA 18" Horizontal 90 Degree Elbow, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	376.39 -23.32 18.82	171.83
26 05 36 00-1138 EA 24" Horizontal 90 Degree Elbow, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	430.89 -26.48 21.54	199.32
26 05 36 00-1139 EA 30" Horizontal 90 Degree Elbow, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	485.02 -29.65 24.25	226.19
26 05 36 00-1140 EA 36" Horizontal 90 Degree Elbow, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	558.25 -33.99 27.91	261.99
26 05 36 00-1141 90 Degree, 36" Radius Horizontal Elbows <small>(26 05 36 00-1124)</small>		
26 05 36 00-1142 EA 6" Horizontal 90 Degree Elbow, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	272.09 -17.78 13.60	113.10
26 05 36 00-1143 EA 9" Horizontal 90 Degree Elbow, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	303.90 -19.48 15.20	130.94
26 05 36 00-1144 EA 12" Horizontal 90 Degree Elbow, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	339.76 -21.76 16.99	146.51
26 05 36 00-1145 EA 18" Horizontal 90 Degree Elbow, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	414.78 -26.11 20.74	184.38
26 05 36 00-1146 EA 24" Horizontal 90 Degree Elbow, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	482.32 -30.19 24.12	216.44
26 05 36 00-1147 EA 30" Horizontal 90 Degree Elbow, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	548.52 -34.10 27.43	249.03
26 05 36 00-1148 EA 36" Horizontal 90 Degree Elbow, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	640.61 -39.68 32.03	292.60
26 05 36 00-1149 45 Degree, 12" Radius Horizontal Elbows <small>(26 05 36 00-1124)</small>		

26 Electrical**26 05 Common Work Results For Electrical****26 05 36 Cable Trays For Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1150 EA 6" Horizontal 45 Degree Elbow, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	153.89	75.43
For 60 Degree Bend, Deduct	-21.88	
For 30 Degree Bend, Deduct	-40.66	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-9.11	
For 6" Overall Height Instead Of 4-5/8", Add	7.69	
26 05 36 00-1151 EA 9" Horizontal 45 Degree Elbow, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	180.03	90.48
For 60 Degree Bend, Deduct	-24.74	
For 30 Degree Bend, Deduct	-46.26	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-10.47	
For 6" Overall Height Instead Of 4-5/8", Add	9.00	
26 05 36 00-1152 EA 12" Horizontal 45 Degree Elbow, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	203.32	103.76
For 60 Degree Bend, Deduct	-27.32	
For 30 Degree Bend, Deduct	-51.30	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-11.69	
For 6" Overall Height Instead Of 4-5/8", Add	10.17	
26 05 36 00-1153 EA 18" Horizontal 45 Degree Elbow, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	254.34	131.15
For 60 Degree Bend, Deduct	-33.67	
For 30 Degree Bend, Deduct	-63.40	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-14.51	
For 6" Overall Height Instead Of 4-5/8", Add	12.72	
26 05 36 00-1154 EA 24" Horizontal 45 Degree Elbow, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	312.20	160.62
For 60 Degree Bend, Deduct	-41.46	
For 30 Degree Bend, Deduct	-78.02	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-17.84	
For 6" Overall Height Instead Of 4-5/8", Add	15.61	
26 05 36 00-1155 EA 30" Horizontal 45 Degree Elbow, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	358.35	184.38
For 60 Degree Bend, Deduct	-47.57	
For 30 Degree Bend, Deduct	-89.52	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-20.47	
For 6" Overall Height Instead Of 4-5/8", Add	17.92	
26 05 36 00-1156 EA 36" Horizontal 45 Degree Elbow, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	413.95	216.44
For 60 Degree Bend, Deduct	-53.63	
For 30 Degree Bend, Deduct	-101.40	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-23.36	
For 6" Overall Height Instead Of 4-5/8", Add	20.70	
26 05 36 00-1157 45 Degree, 24" Radius Horizontal Elbows <small>(26 05 36 00-1124)</small>		
26 05 36 00-1158 EA 6" Horizontal 45 Degree Elbow, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	167.61	77.82
For 60 Degree Bend, Deduct	-25.50	
For 30 Degree Bend, Deduct	-46.82	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-10.28	
For 6" Overall Height Instead Of 4-5/8", Add	8.38	
26 05 36 00-1159 EA 9" Horizontal 45 Degree Elbow, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	198.69	93.80
For 60 Degree Bend, Deduct	-29.60	
For 30 Degree Bend, Deduct	-54.55	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-12.05	
For 6" Overall Height Instead Of 4-5/8", Add	9.93	
26 05 36 00-1160 EA 12" Horizontal 45 Degree Elbow, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	223.92	108.32
For 60 Degree Bend, Deduct	-32.38	
For 30 Degree Bend, Deduct	-59.98	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-13.37	
For 6" Overall Height Instead Of 4-5/8", Add	11.20	
26 05 36 00-1161 EA 18" Horizontal 45 Degree Elbow, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	277.24	138.31
For 60 Degree Bend, Deduct	-38.46	
For 30 Degree Bend, Deduct	-71.78	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-16.20	
For 6" Overall Height Instead Of 4-5/8", Add	13.86	
26 05 36 00-1162 EA 24" Horizontal 45 Degree Elbow, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	340.57	171.83
For 60 Degree Bend, Deduct	-46.54	
For 30 Degree Bend, Deduct	-87.11	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-19.74	
For 6" Overall Height Instead Of 4-5/8", Add	17.03	
26 05 36 00-1163 EA 30" Horizontal 45 Degree Elbow, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	397.25	199.32
For 60 Degree Bend, Deduct	-54.70	
For 30 Degree Bend, Deduct	-102.24	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-23.12	
For 6" Overall Height Instead Of 4-5/8", Add	19.86	
26 05 36 00-1164 EA 36" Horizontal 45 Degree Elbow, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	463.80	237.29
For 60 Degree Bend, Deduct	-62.11	
For 30 Degree Bend, Deduct	-116.69	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-26.61	
For 6" Overall Height Instead Of 4-5/8", Add	23.19	
26 05 36 00-1165 45 Degree, 36" Radius Horizontal Elbows <small>(26 05 36 00-1124)</small>		
26 05 36 00-1166 EA 6" Horizontal 45 Degree Elbow, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	184.79	80.31
For 60 Degree Bend, Deduct	-30.21	
For 30 Degree Bend, Deduct	-54.81	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-11.79	
For 6" Overall Height Instead Of 4-5/8", Add	9.24	
26 05 36 00-1167 EA 9" Horizontal 45 Degree Elbow, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	214.62	97.53
For 60 Degree Bend, Deduct	-33.44	
For 30 Degree Bend, Deduct	-61.16	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-13.34	
For 6" Overall Height Instead Of 4-5/8", Add	10.73	



	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	26 05 36 00-1168	EA	12" Horizontal 45 Degree Elbow, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	241.84	113.20
			<i>For 60 Degree Bend, Deduct</i>	-36.42	
			<i>For 30 Degree Bend, Deduct</i>	-66.98	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-14.75	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	12.09	
	26 05 36 00-1169	EA	18" Horizontal 45 Degree Elbow, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	302.87	146.51
			<i>For 60 Degree Bend, Deduct</i>	-43.77	
			<i>For 30 Degree Bend, Deduct</i>	-81.09	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-18.07	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	15.14	
	26 05 36 00-1170	EA	24" Horizontal 45 Degree Elbow, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	378.97	184.38
			<i>For 60 Degree Bend, Deduct</i>	-54.37	
			<i>For 30 Degree Bend, Deduct</i>	-100.86	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-22.53	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	18.95	
	26 05 36 00-1171	EA	30" Horizontal 45 Degree Elbow, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	436.74	216.44
			<i>For 60 Degree Bend, Deduct</i>	-61.15	
			<i>For 30 Degree Bend, Deduct</i>	-113.94	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-25.64	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	21.84	
	26 05 36 00-1172	EA	36" Horizontal 45 Degree Elbow, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	520.27	261.99
			<i>For 60 Degree Bend, Deduct</i>	-71.25	
			<i>For 30 Degree Bend, Deduct</i>	-133.30	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-30.19	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	26.01	
26 05 36 00-1173		90 Degree, 12" Radius Vertical Risers <small>(26 05 36 00-1124)</small>			
	26 05 36 00-1174	EA	6" Vertical Riser 90 Degree, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	232.62	103.76
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-14.62	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	11.63	
	26 05 36 00-1175	EA	9" Vertical Riser 90 Degree, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	260.51	118.49
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-16.17	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	13.03	
	26 05 36 00-1176	EA	12" Vertical Riser 90 Degree, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	282.38	131.04
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-17.32	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	14.12	
	26 05 36 00-1177	EA	18" Vertical Riser 90 Degree, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	333.90	160.62
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-20.01	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	16.70	
	26 05 36 00-1178	EA	24" Vertical Riser 90 Degree, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	376.80	184.38
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-22.31	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	18.84	
	26 05 36 00-1179	EA	30" Vertical Riser 90 Degree, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	418.58	207.52
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-24.56	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	20.93	
	26 05 36 00-1180	EA	36" Vertical Riser 90 Degree, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	469.71	236.88
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-27.23	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	23.49	
26 05 36 00-1181		90 Degree, 24" Radius Vertical Risers <small>(26 05 36 00-1124)</small>			
	26 05 36 00-1182	EA	6" Vertical Riser 90 Degree, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	244.96	108.22
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-15.48	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	12.25	
	26 05 36 00-1183	EA	9" Vertical Riser 90 Degree, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	274.81	124.51
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-17.11	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	13.74	
	26 05 36 00-1184	EA	12" Vertical Riser 90 Degree, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	299.49	138.31
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-18.42	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	14.97	
	26 05 36 00-1185	EA	18" Vertical Riser 90 Degree, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	359.02	171.83
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-21.59	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	17.95	
	26 05 36 00-1186	EA	24" Vertical Riser 90 Degree, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	409.18	199.32
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-24.31	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	20.46	
	26 05 36 00-1187	EA	30" Vertical Riser 90 Degree, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	458.43	226.19
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-26.99	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	22.92	
	26 05 36 00-1188	EA	36" Vertical Riser 90 Degree, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	523.52	261.99
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-30.52	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	26.18	
26 05 36 00-1189		90 Degree, 36" Radius Vertical Risers <small>(26 05 36 00-1124)</small>			
	26 05 36 00-1190	EA	6" Vertical Riser 90 Degree, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray	288.37	113.10
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-19.41	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	14.42	
	26 05 36 00-1191	EA	9" Vertical Riser 90 Degree, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray	320.37	131.04
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-21.12	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	16.02	
	26 05 36 00-1192	EA	12" Vertical Riser 90 Degree, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray	352.79	146.51
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-23.07	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	17.64	

26 Electrical**26 05 Common Work Results For Electrical****26 05 36 Cable Trays For Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1193 EA 18" Vertical Riser 90 Degree, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray	420.21	184.38
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-26.65	
For 6" Overall Height Instead Of 4-5/8", Add	21.01	
26 05 36 00-1194 EA 24" Vertical Riser 90 Degree, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray	477.98	216.44
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-29.76	
For 6" Overall Height Instead Of 4-5/8", Add	23.90	
26 05 36 00-1195 EA 30" Vertical Riser 90 Degree, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray	540.92	249.03
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-33.34	
For 6" Overall Height Instead Of 4-5/8", Add	27.05	
26 05 36 00-1196 EA 36" Vertical Riser 90 Degree, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray	618.91	292.60
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-37.51	
For 6" Overall Height Instead Of 4-5/8", Add	30.95	
26 05 36 00-1197 12" Radius Horizontal Tees (26 05 36 00-1124)		
26 05 36 00-1198 EA 6" Horizontal Tee, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	398.33	199.32
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-23.23	
For 6" Overall Height Instead Of 4-5/8", Add	19.92	
26 05 36 00-1199 EA 9" Horizontal Tee, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	431.31	216.44
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-25.09	
For 6" Overall Height Instead Of 4-5/8", Add	21.57	
26 05 36 00-1200 EA 12" Horizontal Tee, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	448.66	226.19
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-26.01	
For 6" Overall Height Instead Of 4-5/8", Add	22.43	
26 05 36 00-1201 EA 18" Horizontal Tee, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	500.77	249.03
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-29.33	
For 6" Overall Height Instead Of 4-5/8", Add	25.04	
26 05 36 00-1202 EA 24" Horizontal Tee, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	555.16	276.41
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-32.48	
For 6" Overall Height Instead Of 4-5/8", Add	27.76	
26 05 36 00-1203 EA 30" Horizontal Tee, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	598.11	293.12
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-35.39	
For 6" Overall Height Instead Of 4-5/8", Add	29.91	
26 05 36 00-1204 EA 36" Horizontal Tee, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	684.41	331.82
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-40.79	
For 6" Overall Height Instead Of 4-5/8", Add	34.22	
26 05 36 00-1205 24" Radius Horizontal Tees (26 05 36 00-1124)		
26 05 36 00-1206 EA 6" Horizontal Tee, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	473.64	216.44
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-29.33	
For 6" Overall Height Instead Of 4-5/8", Add	23.68	
26 05 36 00-1207 EA 9" Horizontal Tee, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	514.81	237.29
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-31.71	
For 6" Overall Height Instead Of 4-5/8", Add	25.74	
26 05 36 00-1208 EA 12" Horizontal Tee, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	537.67	249.03
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-33.02	
For 6" Overall Height Instead Of 4-5/8", Add	26.88	
26 05 36 00-1209 EA 18" Horizontal Tee, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	594.23	276.41
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-36.39	
For 6" Overall Height Instead Of 4-5/8", Add	29.71	
26 05 36 00-1210 EA 24" Horizontal Tee, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	664.23	311.28
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-40.48	
For 6" Overall Height Instead Of 4-5/8", Add	33.21	
26 05 36 00-1211 EA 30" Horizontal Tee, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	712.63	331.82
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-43.61	
For 6" Overall Height Instead Of 4-5/8", Add	35.63	
26 05 36 00-1212 EA 36" Horizontal Tee, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	883.10	383.39
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-56.36	
For 6" Overall Height Instead Of 4-5/8", Add	44.16	
26 05 36 00-1213 36" Radius Horizontal Tees (26 05 36 00-1124)		
26 05 36 00-1214 EA 6" Horizontal Tee, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray	554.97	237.29
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-35.73	
For 6" Overall Height Instead Of 4-5/8", Add	27.75	
26 05 36 00-1215 EA 9" Horizontal Tee, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray	600.58	261.99
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-38.22	
For 6" Overall Height Instead Of 4-5/8", Add	30.03	
26 05 36 00-1216 EA 12" Horizontal Tee, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray	639.81	276.41
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-40.94	
For 6" Overall Height Instead Of 4-5/8", Add	31.99	
26 05 36 00-1217 EA 18" Horizontal Tee, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray	707.64	311.28
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-44.82	
For 6" Overall Height Instead Of 4-5/8", Add	35.38	
26 05 36 00-1218 EA 24" Horizontal Tee, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray	800.60	355.38
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-50.45	
For 6" Overall Height Instead Of 4-5/8", Add	40.03	
26 05 36 00-1219 EA 30" Horizontal Tee, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray	902.63	383.39
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-58.32	
For 6" Overall Height Instead Of 4-5/8", Add	45.13	
26 05 36 00-1220 EA 36" Horizontal Tee, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,047.10	452.39
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-67.01	
For 6" Overall Height Instead Of 4-5/8", Add	52.36	



MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
26 05 36 00-1221	12" Radius Vertical Tees <small>(26 05 36 00-1124)</small>		
26 05 36 00-1222	EA 6" Vertical Tee, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	456.02	184.38
	For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-30.24	
	For 6" Overall Height Instead Of 4-5/8", Add	22.80	
26 05 36 00-1223	EA 9" Vertical Tee, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	472.47	191.64
	For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-31.27	
	For 6" Overall Height Instead Of 4-5/8", Add	23.62	
26 05 36 00-1224	EA 12" Vertical Tee, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	486.24	199.32
	For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-32.02	
	For 6" Overall Height Instead Of 4-5/8", Add	24.31	
26 05 36 00-1225	EA 18" Vertical Tee, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	518.14	216.44
	For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-33.78	
	For 6" Overall Height Instead Of 4-5/8", Add	25.91	
26 05 36 00-1226	EA 24" Vertical Tee, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	547.42	226.19
	For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-35.89	
	For 6" Overall Height Instead Of 4-5/8", Add	27.37	
26 05 36 00-1227	EA 30" Vertical Tee, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	588.67	249.03
	For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-38.12	
	For 6" Overall Height Instead Of 4-5/8", Add	29.43	
26 05 36 00-1228	EA 36" Vertical Tee, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	639.81	276.41
	For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-40.94	
	For 6" Overall Height Instead Of 4-5/8", Add	31.99	
26 05 36 00-1229	24" Radius Vertical Tees <small>(26 05 36 00-1124)</small>		
26 05 36 00-1230	EA 6" Vertical Tee, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	583.91	199.32
	For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-41.78	
	For 6" Overall Height Instead Of 4-5/8", Add	29.20	
26 05 36 00-1231	EA 9" Vertical Tee, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	600.91	207.52
	For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-42.80	
	For 6" Overall Height Instead Of 4-5/8", Add	30.05	
26 05 36 00-1232	EA 12" Vertical Tee, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	619.07	216.44
	For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-43.87	
	For 6" Overall Height Instead Of 4-5/8", Add	30.95	
26 05 36 00-1233	EA 18" Vertical Tee, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	661.32	237.29
	For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-46.36	
	For 6" Overall Height Instead Of 4-5/8", Add	33.07	
26 05 36 00-1234	EA 24" Vertical Tee, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	687.44	249.03
	For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-47.99	
	For 6" Overall Height Instead Of 4-5/8", Add	34.37	
26 05 36 00-1235	EA 30" Vertical Tee, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	739.66	276.41
	For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-50.93	
	For 6" Overall Height Instead Of 4-5/8", Add	36.98	
26 05 36 00-1236	EA 36" Vertical Tee, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	822.68	311.28
	For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-56.33	
	For 6" Overall Height Instead Of 4-5/8", Add	41.13	
26 05 36 00-1237	36" Radius Vertical Tees <small>(26 05 36 00-1124)</small>		
26 05 36 00-1238	EA 6" Vertical Tee, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	839.76	216.44
	For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-65.94	
	For 6" Overall Height Instead Of 4-5/8", Add	41.99	
26 05 36 00-1239	EA 9" Vertical Tee, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	862.24	226.19
	For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-67.37	
	For 6" Overall Height Instead Of 4-5/8", Add	43.11	
26 05 36 00-1240	EA 12" Vertical Tee, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	886.86	237.29
	For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-68.91	
	For 6" Overall Height Instead Of 4-5/8", Add	44.34	
26 05 36 00-1241	EA 18" Vertical Tee, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	934.36	261.99
	For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-71.60	
	For 6" Overall Height Instead Of 4-5/8", Add	46.72	
26 05 36 00-1242	EA 24" Vertical Tee, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	964.61	276.41
	For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-73.42	
	For 6" Overall Height Instead Of 4-5/8", Add	48.23	
26 05 36 00-1243	EA 30" Vertical Tee, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	1,041.33	311.28
	For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-78.19	
	For 6" Overall Height Instead Of 4-5/8", Add	52.07	
26 05 36 00-1244	EA 36" Vertical Tee, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	1,120.98	355.38
	For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-82.49	
	For 6" Overall Height Instead Of 4-5/8", Add	56.05	
26 05 36 00-1245	12" Radius Horizontal Crosses <small>(26 05 36 00-1124)</small>		
26 05 36 00-1246	EA 6" Horizontal Cross, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	507.28	249.03
	For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-29.98	
	For 6" Overall Height Instead Of 4-5/8", Add	25.36	
26 05 36 00-1247	EA 9" Horizontal Cross, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	538.72	261.99
	For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-32.04	
	For 6" Overall Height Instead Of 4-5/8", Add	26.94	
26 05 36 00-1248	EA 12" Horizontal Cross, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	563.84	276.41
	For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-33.35	
	For 6" Overall Height Instead Of 4-5/8", Add	28.19	

26 Electrical**26 05 Common Work Results For Electrical****26 05 36 Cable Trays For Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1249 EA 18" Horizontal Cross, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	613.31	293.12
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-36.91	
For 6" Overall Height Instead Of 4-5/8", Add	30.67	
26 05 36 00-1250 EA 24" Horizontal Cross, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	682.24	331.82
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-40.57	
For 6" Overall Height Instead Of 4-5/8", Add	34.11	
26 05 36 00-1251 EA 30" Horizontal Cross, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	744.17	355.38
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-44.81	
For 6" Overall Height Instead Of 4-5/8", Add	37.21	
26 05 36 00-1252 EA 36" Horizontal Cross, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	828.83	383.39
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-50.94	
For 6" Overall Height Instead Of 4-5/8", Add	41.44	
26 05 36 00-1253 24" Radius Horizontal Crosses (26 05 36 00-1124)		
26 05 36 00-1254 EA 6" Horizontal Cross, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	637.64	276.41
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-40.73	
For 6" Overall Height Instead Of 4-5/8", Add	31.88	
26 05 36 00-1255 EA 9" Horizontal Cross, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	670.83	293.12
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-42.66	
For 6" Overall Height Instead Of 4-5/8", Add	33.54	
26 05 36 00-1256 EA 12" Horizontal Cross, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	706.55	311.28
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-44.72	
For 6" Overall Height Instead Of 4-5/8", Add	35.33	
26 05 36 00-1257 EA 18" Horizontal Cross, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	750.61	331.82
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-47.41	
For 6" Overall Height Instead Of 4-5/8", Add	37.53	
26 05 36 00-1258 EA 24" Horizontal Cross, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	853.80	383.39
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-53.43	
For 6" Overall Height Instead Of 4-5/8", Add	42.69	
26 05 36 00-1259 EA 30" Horizontal Cross, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	921.81	415.03
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-57.59	
For 6" Overall Height Instead Of 4-5/8", Add	46.09	
26 05 36 00-1260 EA 36" Horizontal Cross, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	1,013.45	452.39
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-63.64	
For 6" Overall Height Instead Of 4-5/8", Add	50.67	
26 05 36 00-1261 36" Radius Horizontal Crosses (26 05 36 00-1124)		
26 05 36 00-1262 EA 6" Horizontal Cross, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	727.17	311.28
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-46.78	
For 6" Overall Height Instead Of 4-5/8", Add	36.36	
26 05 36 00-1263 EA 9" Horizontal Cross, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	770.15	331.82
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-49.36	
For 6" Overall Height Instead Of 4-5/8", Add	38.51	
26 05 36 00-1264 EA 12" Horizontal Cross, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	822.31	355.38
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-52.62	
For 6" Overall Height Instead Of 4-5/8", Add	41.12	
26 05 36 00-1265 EA 18" Horizontal Cross, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	884.18	383.39
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-56.47	
For 6" Overall Height Instead Of 4-5/8", Add	44.21	
26 05 36 00-1266 EA 24" Horizontal Cross, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	1,057.95	452.39
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-68.09	
For 6" Overall Height Instead Of 4-5/8", Add	52.90	
26 05 36 00-1267 EA 30" Horizontal Cross, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	1,165.19	497.21
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-75.08	
For 6" Overall Height Instead Of 4-5/8", Add	58.26	
26 05 36 00-1268 EA 36" Horizontal Cross, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	1,297.54	553.87
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-83.60	
For 6" Overall Height Instead Of 4-5/8", Add	64.88	
26 05 36 00-1269 12" Radius Vertical Crosses (26 05 36 00-1124)		
26 05 36 00-1270 EA 6" Vertical Cross, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	507.28	249.03
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-29.98	
For 6" Overall Height Instead Of 4-5/8", Add	25.36	
26 05 36 00-1271 EA 9" Vertical Cross, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	538.72	261.99
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-32.04	
For 6" Overall Height Instead Of 4-5/8", Add	26.94	
26 05 36 00-1272 EA 12" Vertical Cross, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	563.84	276.41
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-33.35	
For 6" Overall Height Instead Of 4-5/8", Add	28.19	
26 05 36 00-1273 EA 18" Vertical Cross, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	613.31	293.12
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-36.91	
For 6" Overall Height Instead Of 4-5/8", Add	30.67	
26 05 36 00-1274 EA 24" Vertical Cross, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	682.24	331.82
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-40.57	
For 6" Overall Height Instead Of 4-5/8", Add	34.11	
26 05 36 00-1275 EA 30" Vertical Cross, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	744.17	355.38
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-44.81	
For 6" Overall Height Instead Of 4-5/8", Add	37.21	
26 05 36 00-1276 EA 36" Vertical Cross, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	827.26	382.35
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-50.86	
For 6" Overall Height Instead Of 4-5/8", Add	41.36	



	MINOR CSI UOM DESCRIPTION		TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	26 05 36 00-1277	24" Radius Vertical Crosses <small>(26 05 36 00-1124)</small>		
	26 05 36 00-1278	EA 6" Vertical Cross, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	637.64 -40.73 31.88	276.41
	26 05 36 00-1279	EA 9" Vertical Cross, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	670.83 -42.66 33.54	293.12
	26 05 36 00-1280	EA 12" Vertical Cross, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	706.55 -44.72 35.33	311.28
	26 05 36 00-1281	EA 18" Vertical Cross, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	750.61 -47.41 37.53	331.82
	26 05 36 00-1282	EA 24" Vertical Cross, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	853.80 -53.43 42.69	383.39
	26 05 36 00-1283	EA 30" Vertical Cross, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	921.81 -57.59 46.09	415.03
	26 05 36 00-1284	EA 36" Vertical Cross, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,013.45 -63.64 50.67	452.39
	26 05 36 00-1285	36" Radius Vertical Crosses <small>(26 05 36 00-1124)</small>		
	26 05 36 00-1286	EA 6" Vertical Cross, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	820.94 -56.15 41.05	311.28
	26 05 36 00-1287	EA 9" Vertical Cross, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	867.82 -59.13 43.39	331.82
	26 05 36 00-1288	EA 12" Vertical Cross, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	925.85 -62.97 46.29	355.38
	26 05 36 00-1289	EA 18" Vertical Cross, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	994.56 -67.51 49.73	383.39
	26 05 36 00-1290	EA 24" Vertical Cross, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,194.69 -81.77 59.73	452.39
	26 05 36 00-1291	EA 30" Vertical Cross, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,316.58 -90.22 65.83	497.21
	26 05 36 00-1292	EA 36" Vertical Cross, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,466.03 -100.45 73.30	553.87
	26 05 36 00-1293	12" Rung Tray Fittings <small>(26 05 36 00-0744)</small>		
	26 05 36 00-1294	90 Degree, 12" Radius Horizontal Elbows <small>(26 05 36 00-1293)</small>		
	26 05 36 00-1295	EA 6" Horizontal 90 Degree Elbow, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	213.26 -12.66 10.66	104.07
	26 05 36 00-1296	EA 9" Horizontal 90 Degree Elbow, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	238.44 -13.97 11.92	118.49
	26 05 36 00-1297	EA 12" Horizontal 90 Degree Elbow, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	266.80 -15.76 13.34	131.04
	26 05 36 00-1298	EA 18" Horizontal 90 Degree Elbow, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	322.20 -18.84 16.11	160.62
	26 05 36 00-1299	EA 24" Horizontal 90 Degree Elbow, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	374.96 -22.13 18.75	184.38
	26 05 36 00-1300	EA 30" Horizontal 90 Degree Elbow, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	417.53 -24.46 20.88	207.52
	26 05 36 00-1301	EA 36" Horizontal 90 Degree Elbow, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	482.11 -28.45 24.11	237.19
	26 05 36 00-1302	90 Degree, 24" Radius Horizontal Elbows <small>(26 05 36 00-1293)</small>		
	26 05 36 00-1303	EA 6" Horizontal 90 Degree Elbow, 24" Rung Spacing, 24" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	251.04 -16.08 12.55	108.22
	26 05 36 00-1304	EA 9" Horizontal 90 Degree Elbow, 24" Rung Spacing, 24" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	281.03 -17.74 14.05	124.40

26 Electrical**26 05 Common Work Results For Electrical****26 05 36 Cable Trays For Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1305	EA	12"	Horizontal 90 Degree Elbow, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	307.78	138.31
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-19.25	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	15.39	
26 05 36 00-1306	EA	18"	Horizontal 90 Degree Elbow, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	370.08	171.83
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-22.69	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	18.50	
26 05 36 00-1307	EA	24"	Horizontal 90 Degree Elbow, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	423.98	199.32
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-25.79	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	21.20	
26 05 36 00-1308	EA	30"	Horizontal 90 Degree Elbow, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	477.46	226.19
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-28.89	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	23.87	
26 05 36 00-1309	EA	36"	Horizontal 90 Degree Elbow, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	549.74	261.99
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-33.14	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	27.49	
26 05 36 00-1310			90 Degree, 36" Radius Horizontal Elbows <small>(26 05 36 00-1293)</small>		
26 05 36 00-1311	EA	6"	Horizontal 90 Degree Elbow, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	266.24	113.10
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-17.20	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	13.31	
26 05 36 00-1312	EA	9"	Horizontal 90 Degree Elbow, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	297.90	130.94
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-18.88	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	14.90	
26 05 36 00-1313	EA	12"	Horizontal 90 Degree Elbow, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	333.08	146.51
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-21.10	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	16.65	
26 05 36 00-1314	EA	18"	Horizontal 90 Degree Elbow, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	407.26	184.38
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-25.36	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	20.36	
26 05 36 00-1315	EA	24"	Horizontal 90 Degree Elbow, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	473.81	216.44
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-29.34	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	23.69	
26 05 36 00-1316	EA	30"	Horizontal 90 Degree Elbow, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	539.18	249.03
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-33.17	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	26.96	
26 05 36 00-1317	EA	36"	Horizontal 90 Degree Elbow, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	629.90	292.60
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-38.61	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	31.50	
26 05 36 00-1318			45 Degree, 12" Radius Horizontal Elbows <small>(26 05 36 00-1293)</small>		
26 05 36 00-1319	EA	6"	Horizontal 45 Degree Elbow, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	151.91	75.43
			<i>For 60 Degree Bend, Deduct</i>	-21.23	
			<i>For 30 Degree Bend, Deduct</i>	-39.57	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-8.91	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	7.60	
26 05 36 00-1320	EA	9"	Horizontal 45 Degree Elbow, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	177.98	90.48
			<i>For 60 Degree Bend, Deduct</i>	-24.07	
			<i>For 30 Degree Bend, Deduct</i>	-45.13	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-10.26	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	8.90	
26 05 36 00-1321	EA	12"	Horizontal 45 Degree Elbow, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	201.19	103.76
			<i>For 60 Degree Bend, Deduct</i>	-26.62	
			<i>For 30 Degree Bend, Deduct</i>	-50.13	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-11.47	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	10.06	
26 05 36 00-1322	EA	18"	Horizontal 45 Degree Elbow, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	251.84	131.15
			<i>For 60 Degree Bend, Deduct</i>	-32.85	
			<i>For 30 Degree Bend, Deduct</i>	-62.03	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-14.26	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	12.59	
26 05 36 00-1323	EA	24"	Horizontal 45 Degree Elbow, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	309.08	160.62
			<i>For 60 Degree Bend, Deduct</i>	-40.43	
			<i>For 30 Degree Bend, Deduct</i>	-76.30	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-17.52	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	15.45	
26 05 36 00-1324	EA	30"	Horizontal 45 Degree Elbow, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	354.78	184.38
			<i>For 60 Degree Bend, Deduct</i>	-46.39	
			<i>For 30 Degree Bend, Deduct</i>	-87.56	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-20.11	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	17.74	
26 05 36 00-1325	EA	36"	Horizontal 45 Degree Elbow, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	410.23	216.44
			<i>For 60 Degree Bend, Deduct</i>	-52.40	
			<i>For 30 Degree Bend, Deduct</i>	-99.36	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-22.98	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	20.51	
26 05 36 00-1326			45 Degree, 24" Radius Horizontal Elbows <small>(26 05 36 00-1293)</small>		
26 05 36 00-1327	EA	6"	Horizontal 45 Degree Elbow, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	164.96	77.82
			<i>For 60 Degree Bend, Deduct</i>	-24.62	
			<i>For 30 Degree Bend, Deduct</i>	-45.36	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-10.01	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	8.25	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1328 EA 9" Horizontal 45 Degree Elbow, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	195.72	93.80
<i>For 60 Degree Bend, Deduct</i>	-28.62	
<i>For 30 Degree Bend, Deduct</i>	-52.92	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-11.75	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	9.79	
26 05 36 00-1329 EA 12" Horizontal 45 Degree Elbow, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	220.88	108.32
<i>For 60 Degree Bend, Deduct</i>	-31.37	
<i>For 30 Degree Bend, Deduct</i>	-58.31	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-13.06	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	11.04	
26 05 36 00-1330 EA 18" Horizontal 45 Degree Elbow, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	273.97	138.31
<i>For 60 Degree Bend, Deduct</i>	-37.38	
<i>For 30 Degree Bend, Deduct</i>	-69.98	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-15.87	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	13.70	
26 05 36 00-1331 EA 24" Horizontal 45 Degree Elbow, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	336.78	171.83
<i>For 60 Degree Bend, Deduct</i>	-45.29	
<i>For 30 Degree Bend, Deduct</i>	-85.02	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-19.36	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	16.84	
26 05 36 00-1332 EA 30" Horizontal 45 Degree Elbow, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	392.69	199.32
<i>For 60 Degree Bend, Deduct</i>	-53.20	
<i>For 30 Degree Bend, Deduct</i>	-99.73	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-22.66	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	19.63	
26 05 36 00-1333 EA 36" Horizontal 45 Degree Elbow, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	459.02	237.29
<i>For 60 Degree Bend, Deduct</i>	-60.53	
<i>For 30 Degree Bend, Deduct</i>	-114.06	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-26.13	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	22.95	
26 05 36 00-1334 45 Degree, 36" Radius Horizontal Elbows <small>(26 05 36 00-1293)</small>		
26 05 36 00-1335 EA 6" Horizontal 45 Degree Elbow, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	181.22	80.31
<i>For 60 Degree Bend, Deduct</i>	-29.03	
<i>For 30 Degree Bend, Deduct</i>	-52.85	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-11.43	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	9.06	
26 05 36 00-1336 EA 9" Horizontal 45 Degree Elbow, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	210.98	97.53
<i>For 60 Degree Bend, Deduct</i>	-32.24	
<i>For 30 Degree Bend, Deduct</i>	-59.15	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-12.97	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	10.55	
26 05 36 00-1337 EA 12" Horizontal 45 Degree Elbow, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	238.12	113.20
<i>For 60 Degree Bend, Deduct</i>	-35.19	
<i>For 30 Degree Bend, Deduct</i>	-64.94	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-14.38	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	11.91	
26 05 36 00-1338 EA 18" Horizontal 45 Degree Elbow, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	298.76	146.51
<i>For 60 Degree Bend, Deduct</i>	-42.41	
<i>For 30 Degree Bend, Deduct</i>	-78.83	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-17.66	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	14.94	
26 05 36 00-1339 EA 24" Horizontal 45 Degree Elbow, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	373.95	184.38
<i>For 60 Degree Bend, Deduct</i>	-52.72	
<i>For 30 Degree Bend, Deduct</i>	-98.10	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-22.03	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	18.70	
26 05 36 00-1340 EA 30" Horizontal 45 Degree Elbow, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	431.42	216.44
<i>For 60 Degree Bend, Deduct</i>	-59.39	
<i>For 30 Degree Bend, Deduct</i>	-111.01	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-25.10	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	21.57	
26 05 36 00-1341 EA 36" Horizontal 45 Degree Elbow, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	514.42	261.99
<i>For 60 Degree Bend, Deduct</i>	-69.32	
<i>For 30 Degree Bend, Deduct</i>	-130.09	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-29.61	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	25.72	
26 05 36 00-1342 90 Degree, 12" Radius Vertical Risers <small>(26 05 36 00-1293)</small>		
26 05 36 00-1343 EA 6" Vertical Riser 90 Degree, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	226.65	103.76
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-14.02	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	11.33	
26 05 36 00-1344 EA 9" Vertical Riser 90 Degree, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	254.21	118.49
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-15.54	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	12.71	
26 05 36 00-1345 EA 12" Vertical Riser 90 Degree, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	275.98	131.04
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-16.68	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	13.80	
26 05 36 00-1346 EA 18" Vertical Riser 90 Degree, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	327.28	160.62
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-19.34	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	16.36	
26 05 36 00-1347 EA 24" Vertical Riser 90 Degree, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	369.85	184.38
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-21.62	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	18.49	

26 Electrical**26 05 Common Work Results For Electrical****26 05 36 Cable Trays For Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1348	EA		30" Vertical Riser 90 Degree, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	411.31 -23.84 20.57	207.52
26 05 36 00-1349	EA		36" Vertical Riser 90 Degree, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	462.23 -26.48 23.11	236.88
26 05 36 00-1350			90 Degree, 24" Radius Vertical Risers <small>(26 05 36 00-1293)</small>		
26 05 36 00-1351	EA		6" Vertical Riser 90 Degree, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	238.51 -14.83 11.93	108.22
26 05 36 00-1352	EA		9" Vertical Riser 90 Degree, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	268.08 -16.43 13.40	124.51
26 05 36 00-1353	EA		12" Vertical Riser 90 Degree, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	292.59 -17.73 14.63	138.31
26 05 36 00-1354	EA		18" Vertical Riser 90 Degree, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	351.75 -20.86 17.59	171.83
26 05 36 00-1355	EA		24" Vertical Riser 90 Degree, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	401.48 -23.54 20.07	199.32
26 05 36 00-1356	EA		30" Vertical Riser 90 Degree, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	450.29 -26.18 22.51	226.19
26 05 36 00-1357	EA		36" Vertical Riser 90 Degree, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	514.84 -29.65 25.74	261.99
26 05 36 00-1358			90 Degree, 36" Radius Vertical Risers <small>(26 05 36 00-1293)</small>		
26 05 36 00-1359	EA		6" Vertical Riser 90 Degree, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	278.38 -18.41 13.92	113.10
26 05 36 00-1360	EA		9" Vertical Riser 90 Degree, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	310.16 -20.10 15.51	131.04
26 05 36 00-1361	EA		12" Vertical Riser 90 Degree, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	341.94 -21.98 17.10	146.51
26 05 36 00-1362	EA		18" Vertical Riser 90 Degree, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	408.92 -25.53 20.45	184.38
26 05 36 00-1363	EA		24" Vertical Riser 90 Degree, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	466.26 -28.59 23.31	216.44
26 05 36 00-1364	EA		30" Vertical Riser 90 Degree, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	528.33 -32.08 26.42	249.03
26 05 36 00-1365	EA		36" Vertical Riser 90 Degree, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	605.78 -36.20 30.29	292.60
26 05 36 00-1366			12" Radius Horizontal Tees <small>(26 05 36 00-1293)</small>		
26 05 36 00-1367	EA		6" Horizontal Tee, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	391.71 -22.56 19.59	199.32
26 05 36 00-1368	EA		9" Horizontal Tee, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	424.26 -24.39 21.21	216.44
26 05 36 00-1369	EA		12" Horizontal Tee, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	441.50 -25.30 22.08	226.19
26 05 36 00-1370	EA		18" Horizontal Tee, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	492.19 -28.47 24.61	249.03
26 05 36 00-1371	EA		24" Horizontal Tee, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	545.72 -31.54 27.29	276.41
26 05 36 00-1372	EA		30" Horizontal Tee, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	587.15 -34.29 29.36	293.12
26 05 36 00-1373	EA		36" Horizontal Tee, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	671.28 -39.47 33.56	331.82
26 05 36 00-1374			24" Radius Horizontal Tees <small>(26 05 36 00-1293)</small>		
26 05 36 00-1375	EA		6" Horizontal Tee, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	462.35 -28.20 23.12	216.44



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1376 EA 9" Horizontal Tee, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	502.87	237.29
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-30.52	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	25.14	
26 05 36 00-1377 EA 12" Horizontal Tee, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	525.40	249.03
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-31.79	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	26.27	
26 05 36 00-1378 EA 18" Horizontal Tee, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	580.88	276.41
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-35.05	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	29.04	
26 05 36 00-1379 EA 24" Horizontal Tee, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	649.68	311.28
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-39.03	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	32.48	
26 05 36 00-1380 EA 30" Horizontal Tee, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	696.67	331.82
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-42.01	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	34.83	
26 05 36 00-1381 EA 36" Horizontal Tee, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	858.68	383.39
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-53.92	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	42.93	
26 05 36 00-1382 36" Radius Horizontal Tees <small>(26 05 36 00-1293)</small>		
26 05 36 00-1383 EA 6" Horizontal Tee, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	539.01	237.29
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-34.13	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	26.95	
26 05 36 00-1384 EA 9" Horizontal Tee, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	584.19	261.99
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-36.58	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	29.21	
26 05 36 00-1385 EA 12" Horizontal Tee, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	621.90	276.41
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-39.15	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	31.10	
26 05 36 00-1386 EA 18" Horizontal Tee, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	688.75	311.28
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-42.94	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	34.44	
26 05 36 00-1387 EA 24" Horizontal Tee, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	779.77	355.38
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-48.37	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	38.99	
26 05 36 00-1388 EA 30" Horizontal Tee, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	876.26	383.39
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-55.68	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	43.81	
26 05 36 00-1389 EA 36" Horizontal Tee, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	1,017.79	452.39
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-64.08	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	50.89	
26 05 36 00-1390 12" Radius Vertical Tees <small>(26 05 36 00-1293)</small>		
26 05 36 00-1391 EA 6" Vertical Tee, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	441.16	184.38
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-28.75	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	22.06	
26 05 36 00-1392 EA 9" Vertical Tee, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	457.17	191.64
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-29.74	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	22.86	
26 05 36 00-1393 EA 12" Vertical Tee, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	470.83	199.32
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-30.48	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	23.54	
26 05 36 00-1394 EA 18" Vertical Tee, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	502.40	216.44
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-32.20	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	25.12	
26 05 36 00-1395 EA 24" Vertical Tee, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	530.38	226.19
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-34.19	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	26.52	
26 05 36 00-1396 EA 30" Vertical Tee, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	571.31	249.03
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-36.38	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	28.57	
26 05 36 00-1397 EA 36" Vertical Tee, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	621.90	276.41
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-39.15	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	31.10	
26 05 36 00-1398 24" Radius Vertical Tees <small>(26 05 36 00-1293)</small>		
26 05 36 00-1399 EA 6" Vertical Tee, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	558.74	199.32
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-39.27	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	27.94	
26 05 36 00-1400 EA 9" Vertical Tee, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	575.41	207.52
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-40.25	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	28.77	
26 05 36 00-1401 EA 12" Vertical Tee, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	593.24	216.44
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-41.29	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	29.66	
26 05 36 00-1402 EA 18" Vertical Tee, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	634.73	237.29
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-43.70	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	31.74	
26 05 36 00-1403 EA 24" Vertical Tee, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	660.19	249.03
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-45.27	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	33.01	

26 Electrical**26 05 Common Work Results For Electrical****26 05 36 Cable Trays For Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1404	EA		30" Vertical Tee, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray .....711.77 <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	-48.14 35.59	276.41
26 05 36 00-1405	EA		36" Vertical Tee, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray .....792.29 <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	-53.29 39.61	311.28
26 05 36 00-1406			36" Radius Vertical Tees (26 05 36 00-1293)		
26 05 36 00-1407	EA		6" Vertical Tee, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray .....791.86 <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	-61.15 39.59	216.44
26 05 36 00-1408	EA		9" Vertical Tee, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray .....813.72 <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	-62.52 40.69	226.19
26 05 36 00-1409	EA		12" Vertical Tee, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray .....837.71 <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	-64.00 41.89	237.29
26 05 36 00-1410	EA		18" Vertical Tee, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray .....884.59 <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	-66.62 44.23	261.99
26 05 36 00-1411	EA		24" Vertical Tee, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray .....914.23 <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	-68.39 45.71	276.41
26 05 36 00-1412	EA		30" Vertical Tee, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray .....989.08 <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	-72.97 49.45	311.28
26 05 36 00-1413	EA		36" Vertical Tee, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray .....1,068.10 <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	-77.20 53.41	355.38
26 05 36 00-1414			12" Radius Horizontal Crosses (26 05 36 00-1293)		
26 05 36 00-1415	EA		6" Horizontal Cross, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray .....498.05 <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	-29.05 24.90	249.03
26 05 36 00-1416	EA		9" Horizontal Cross, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray .....528.51 <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	-31.02 26.43	261.99
26 05 36 00-1417	EA		12" Horizontal Cross, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray .....553.53 <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	-32.32 27.68	276.41
26 05 36 00-1418	EA		18" Horizontal Cross, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray .....600.83 <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	-35.66 30.04	293.12
26 05 36 00-1419	EA		24" Horizontal Cross, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray .....669.32 <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	-39.28 33.47	331.82
26 05 36 00-1420	EA		30" Horizontal Cross, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray .....728.98 <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	-43.29 36.45	355.38
26 05 36 00-1421	EA		36" Horizontal Cross, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray .....809.84 <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	-49.04 40.49	383.39
26 05 36 00-1422			24" Radius Horizontal Crosses (26 05 36 00-1293)		
26 05 36 00-1423	EA		6" Horizontal Cross, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray .....619.95 <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	-38.96 31.00	276.41
26 05 36 00-1424	EA		9" Horizontal Cross, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray .....652.59 <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	-40.83 32.63	293.12
26 05 36 00-1425	EA		12" Horizontal Cross, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray .....687.78 <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	-42.84 34.39	311.28
26 05 36 00-1426	EA		18" Horizontal Cross, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray .....730.86 <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	-45.43 36.54	331.82
26 05 36 00-1427	EA		24" Horizontal Cross, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray .....832.31 <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	-51.29 41.62	383.39
26 05 36 00-1428	EA		30" Horizontal Cross, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray .....898.80 <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	-55.29 44.94	415.03
26 05 36 00-1429	EA		36" Horizontal Cross, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray .....987.51 <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	-61.05 49.38	452.39
26 05 36 00-1430			36" Radius Horizontal Crosses (26 05 36 00-1293)		
26 05 36 00-1431	EA		6" Horizontal Cross, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray .....706.34 <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	-44.69 35.32	311.28



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1432 EA 9" Horizontal Cross, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	748.44	331.82
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	<i>-47.19</i>	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	<i>37.42</i>	
26 05 36 00-1433 EA 12" Horizontal Cross, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	799.30	355.38
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	<i>-50.32</i>	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	<i>39.97</i>	
26 05 36 00-1434 EA 18" Horizontal Cross, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	859.66	383.39
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	<i>-54.02</i>	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	<i>42.98</i>	
26 05 36 00-1435 EA 24" Horizontal Cross, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	1,027.56	452.39
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	<i>-65.05</i>	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	<i>51.38</i>	
26 05 36 00-1436 EA 30" Horizontal Cross, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	1,131.54	497.21
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	<i>-71.72</i>	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	<i>56.58</i>	
26 05 36 00-1437 EA 36" Horizontal Cross, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	1,260.10	553.87
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	<i>-79.85</i>	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	<i>63.01</i>	
26 05 36 00-1438 12" Radius Vertical Crosses <small>(26 05 36 00-1293)</small>		
26 05 36 00-1439 EA 6" Vertical Cross, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	498.05	249.03
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	<i>-29.05</i>	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	<i>24.90</i>	
26 05 36 00-1440 EA 9" Vertical Cross, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	528.65	262.10
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	<i>-31.02</i>	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	<i>26.43</i>	
26 05 36 00-1441 EA 12" Vertical Cross, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	553.45	276.41
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	<i>-32.31</i>	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	<i>27.67</i>	
26 05 36 00-1442 EA 18" Vertical Cross, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	601.02	293.22
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	<i>-35.67</i>	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	<i>30.05</i>	
26 05 36 00-1443 EA 24" Vertical Cross, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	669.32	331.82
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	<i>-39.28</i>	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	<i>33.47</i>	
26 05 36 00-1444 EA 30" Vertical Cross, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	729.25	355.48
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	<i>-43.30</i>	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	<i>36.46</i>	
26 05 36 00-1445 EA 36" Vertical Cross, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	809.05	382.87
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	<i>-49.00</i>	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	<i>40.45</i>	
26 05 36 00-1446 24" Radius Vertical Crosses <small>(26 05 36 00-1293)</small>		
26 05 36 00-1447 EA 6" Vertical Cross, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	619.95	276.41
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	<i>-38.96</i>	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	<i>31.00</i>	
26 05 36 00-1448 EA 9" Vertical Cross, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	652.59	293.12
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	<i>-40.83</i>	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	<i>32.63</i>	
26 05 36 00-1449 EA 12" Vertical Cross, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	687.78	311.28
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	<i>-42.84</i>	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	<i>34.39</i>	
26 05 36 00-1450 EA 18" Vertical Cross, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	730.86	331.82
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	<i>-45.43</i>	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	<i>36.54</i>	
26 05 36 00-1451 EA 24" Vertical Cross, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	832.31	383.39
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	<i>-51.29</i>	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	<i>41.62</i>	
26 05 36 00-1452 EA 30" Vertical Cross, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	898.80	415.03
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	<i>-55.29</i>	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	<i>44.94</i>	
26 05 36 00-1453 EA 36" Vertical Cross, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	987.51	452.39
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	<i>-61.05</i>	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	<i>49.38</i>	
26 05 36 00-1454 36" Radius Vertical Crosses <small>(26 05 36 00-1293)</small>		
26 05 36 00-1455 EA 6" Vertical Cross, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	790.73	311.28
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	<i>-53.13</i>	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	<i>39.54</i>	
26 05 36 00-1456 EA 9" Vertical Cross, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	836.35	331.82
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	<i>-55.98</i>	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	<i>41.82</i>	
26 05 36 00-1457 EA 12" Vertical Cross, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	892.48	355.38
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	<i>-59.64</i>	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	<i>44.62</i>	
26 05 36 00-1458 EA 18" Vertical Cross, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	958.99	383.39
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	<i>-63.95</i>	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	<i>47.95</i>	
26 05 36 00-1459 EA 24" Vertical Cross, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	1,150.63	452.39
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	<i>-77.36</i>	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	<i>57.53</i>	

26 Electrical**26 05 Common Work Results For Electrical****26 05 36 Cable Trays For Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1460 EA 30" Vertical Cross, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,267.80	497.21
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-85.34	
For 6" Overall Height Instead Of 4-5/8", Add	63.39	
26 05 36 00-1461 EA 36" Vertical Cross, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,411.74	553.87
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-95.02	
For 6" Overall Height Instead Of 4-5/8", Add	70.59	
26 05 36 00-1462 Dropout Or End Plates And Reducers (26 05 36 00-0744)		
26 05 36 00-1463 Straight Reducers (26 05 36 00-1462)		
26 05 36 00-1464 EA 9"-6" Reducer, Aluminum Cable Tray	176.50	76.58
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-11.27	
For 6" Overall Height Instead Of 4-5/8", Add	8.83	
26 05 36 00-1465 EA 12"-9" Reducer, Aluminum Cable Tray	188.12	82.91
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-11.90	
For 6" Overall Height Instead Of 4-5/8", Add	9.41	
26 05 36 00-1466 EA 18"-12" Reducer, Aluminum Cable Tray	210.55	95.66
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-13.08	
For 6" Overall Height Instead Of 4-5/8", Add	10.53	
26 05 36 00-1467 EA 24"-18" Reducer, Aluminum Cable Tray	236.58	110.71
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-14.43	
For 6" Overall Height Instead Of 4-5/8", Add	11.83	
26 05 36 00-1468 EA 30"-24" Reducer, Aluminum Cable Tray	260.70	124.51
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-15.69	
For 6" Overall Height Instead Of 4-5/8", Add	13.04	
26 05 36 00-1469 EA 36"-30" Reducer, Aluminum Cable Tray	293.54	142.25
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-17.50	
For 6" Overall Height Instead Of 4-5/8", Add	14.68	
26 05 36 00-1470 Reducers (26 05 36 00-1462)		
26 05 36 00-1471 EA 18"-6" Reducer, Aluminum Cable Tray	210.64	95.77
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-13.08	
For 6" Overall Height Instead Of 4-5/8", Add	10.53	
26 05 36 00-1472 EA 24"-12" Reducer, Aluminum Cable Tray	236.85	110.82
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-14.45	
For 6" Overall Height Instead Of 4-5/8", Add	11.84	
26 05 36 00-1473 EA 30"-12" Reducer, Aluminum Cable Tray	260.53	124.40
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-15.69	
For 6" Overall Height Instead Of 4-5/8", Add	13.03	
26 05 36 00-1474 EA 30"-18" Reducer, Aluminum Cable Tray	261.45	124.30
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-15.79	
For 6" Overall Height Instead Of 4-5/8", Add	13.07	
26 05 36 00-1475 EA 36"-12" Reducer, Aluminum Cable Tray	292.46	142.25
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-17.39	
For 6" Overall Height Instead Of 4-5/8", Add	14.62	
26 05 36 00-1476 EA 36"-18" Reducer, Aluminum Cable Tray	299.77	145.99
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-17.81	
For 6" Overall Height Instead Of 4-5/8", Add	14.99	
26 05 36 00-1477 EA 36"-24" Reducer, Aluminum Cable Tray	309.72	150.66
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-18.42	
For 6" Overall Height Instead Of 4-5/8", Add	15.49	
26 05 36 00-1478 Dropout Or End Plate (26 05 36 00-1462)		
26 05 36 00-1479 EA 6" Dropout Or End Plate, Aluminum Cable Tray	58.34	31.13
26 05 36 00-1480 EA 9" Dropout Or End Plate, Aluminum Cable Tray	66.14	35.59
26 05 36 00-1481 EA 12" Dropout Or End Plate, Aluminum Cable Tray	71.30	38.29
26 05 36 00-1482 EA 18" Dropout Or End Plate, Aluminum Cable Tray	85.46	45.24
26 05 36 00-1483 EA 24" Dropout Or End Plate, Aluminum Cable Tray	94.79	49.81
26 05 36 00-1484 EA 30" Dropout Or End Plate, Aluminum Cable Tray	106.24	55.30
26 05 36 00-1485 EA 36" Dropout Or End Plate, Aluminum Cable Tray	119.33	62.25
26 05 36 00-1486 Solid Bottom Cable Tray (26 05 36 00-0001)		
Note: 3-5/8" Height.		
26 05 36 00-1487 Solid Bottom Galvanized Steel Straight Tray Sections (26 05 36 00-1486)		
26 05 36 00-1488 LF 6" Solid Bottom Steel Cable Tray, Straight Section	21.53	8.09
For 4-5/8" Overall Height Instead Of 3-5/8", Add	1.87	
26 05 36 00-1489 LF 12" Solid Bottom Steel Cable Tray, Straight Section	26.70	9.96
For 4-5/8" Overall Height Instead Of 3-5/8", Add	2.35	
26 05 36 00-1490 LF 18" Solid Bottom Steel Cable Tray, Straight Section	36.30	14.32
For 4-5/8" Overall Height Instead Of 3-5/8", Add	3.06	
26 05 36 00-1491 LF 24" Solid Bottom Steel Cable Tray, Straight Section	41.91	16.39
For 4-5/8" Overall Height Instead Of 3-5/8", Add	3.55	
26 05 36 00-1492 LF 30" Solid Bottom Steel Cable Tray, Straight Section	50.33	19.82
For 4-5/8" Overall Height Instead Of 3-5/8", Add	4.24	
26 05 36 00-1493 LF 36" Solid Bottom Steel Cable Tray, Straight Section	62.56	22.72
For 4-5/8" Overall Height Instead Of 3-5/8", Add	5.60	
26 05 36 00-1494 Solid Bottom Galvanized Steel Cable Tray Fittings (26 05 36 00-1486)		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1495 90 Degree, 12" Radius Horizontal Elbows <small>(26 05 36 00-1494)</small>		
26 05 36 00-1496 EA 6" Horizontal 90 Degree Elbow, Solid Bottom, 12" Radius, Steel Cable Tray.....	233.34	103.87
<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	17.70	
26 05 36 00-1497 EA 12" Horizontal 90 Degree Elbow, Solid Bottom, 12" Radius, Steel Cable Tray.....	311.09	146.09
<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	22.31	
26 05 36 00-1498 EA 18" Horizontal 90 Degree Elbow, Solid Bottom, 12" Radius, Steel Cable Tray.....	384.51	184.38
<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	26.94	
26 05 36 00-1499 EA 24" Horizontal 90 Degree Elbow, Solid Bottom, 12" Radius, Steel Cable Tray.....	471.64	226.50
<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	32.99	
26 05 36 00-1500 EA 30" Horizontal 90 Degree Elbow, Solid Bottom, 12" Radius, Steel Cable Tray.....	549.56	262.51
<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	38.69	
26 05 36 00-1501 EA 36" Horizontal 90 Degree Elbow, Solid Bottom, 12" Radius, Steel Cable Tray.....	616.31	293.12
<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	43.60	
26 05 36 00-1502 90 Degree, 24" Radius Horizontal Elbows <small>(26 05 36 00-1494)</small>		
26 05 36 00-1503 EA 6" Horizontal 90 Degree Elbow, Solid Bottom, 24" Radius, Steel Cable Tray.....	265.87	108.11
<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	21.85	
26 05 36 00-1504 EA 12" Horizontal 90 Degree Elbow, Solid Bottom, 24" Radius, Steel Cable Tray.....	359.73	155.74
<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	27.99	
26 05 36 00-1505 EA 18" Horizontal 90 Degree Elbow, Solid Bottom, 24" Radius, Steel Cable Tray.....	447.88	199.32
<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	33.97	
26 05 36 00-1506 EA 24" Horizontal 90 Degree Elbow, Solid Bottom, 24" Radius, Steel Cable Tray.....	550.07	249.03
<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	41.01	
26 05 36 00-1507 EA 30" Horizontal 90 Degree Elbow, Solid Bottom, 24" Radius, Steel Cable Tray.....	645.54	292.60
<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	48.07	
26 05 36 00-1508 EA 36" Horizontal 90 Degree Elbow, Solid Bottom, 24" Radius, Steel Cable Tray.....	730.33	331.82
<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	54.24	
26 05 36 00-1509 90 Degree, 36" Radius Horizontal Elbows <small>(26 05 36 00-1494)</small>		
26 05 36 00-1510 EA 6" Horizontal 90 Degree Elbow, Solid Bottom, 36" Radius, Steel Cable Tray.....	313.65	112.99
<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	28.22	
26 05 36 00-1511 EA 12" Horizontal 90 Degree Elbow, Solid Bottom, 36" Radius, Steel Cable Tray.....	418.21	166.33
<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	35.02	
26 05 36 00-1512 EA 18" Horizontal 90 Degree Elbow, Solid Bottom, 36" Radius, Steel Cable Tray.....	533.70	216.76
<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	43.93	
26 05 36 00-1513 EA 24" Horizontal 90 Degree Elbow, Solid Bottom, 36" Radius, Steel Cable Tray.....	647.63	276.41
<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	51.07	
26 05 36 00-1514 EA 30" Horizontal 90 Degree Elbow, Solid Bottom, 36" Radius, Steel Cable Tray.....	777.35	331.82
<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	61.29	
26 05 36 00-1515 EA 36" Horizontal 90 Degree Elbow, Solid Bottom, 36" Radius, Steel Cable Tray.....	889.34	382.35
<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	69.67	
26 05 36 00-1516 45 Degree, 12" Radius Horizontal Elbows <small>(26 05 36 00-1494)</small>		
26 05 36 00-1517 EA 6" Horizontal 45 Degree Elbow, Solid Bottom, 12" Radius, Steel Cable Tray.....	218.37	103.87
<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	15.44	
26 05 36 00-1518 EA 12" Horizontal 45 Degree Elbow, Solid Bottom, 12" Radius, Steel Cable Tray.....	294.21	146.09
<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	19.77	
26 05 36 00-1519 EA 18" Horizontal 45 Degree Elbow, Solid Bottom, 12" Radius, Steel Cable Tray.....	364.85	184.17
<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	24.03	
26 05 36 00-1520 EA 24" Horizontal 45 Degree Elbow, Solid Bottom, 12" Radius, Steel Cable Tray.....	447.56	226.19
<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	29.43	
26 05 36 00-1521 EA 30" Horizontal 45 Degree Elbow, Solid Bottom, 12" Radius, Steel Cable Tray.....	521.53	262.51
<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	34.49	
26 05 36 00-1522 EA 36" Horizontal 45 Degree Elbow, Solid Bottom, 12" Radius, Steel Cable Tray.....	583.45	292.60
<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	38.76	
26 05 36 00-1523 45 Degree, 24" Radius Horizontal Elbows <small>(26 05 36 00-1494)</small>		
26 05 36 00-1524 EA 6" Horizontal 45 Degree Elbow, Solid Bottom, 24" Radius, Steel Cable Tray.....	244.59	108.22
<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	18.65	
26 05 36 00-1525 EA 12" Horizontal 45 Degree Elbow, Solid Bottom, 24" Radius, Steel Cable Tray.....	334.45	155.64
<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	24.23	
26 05 36 00-1526 EA 18" Horizontal 45 Degree Elbow, Solid Bottom, 24" Radius, Steel Cable Tray.....	419.37	199.53
<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	29.65	
26 05 36 00-1527 EA 24" Horizontal 45 Degree Elbow, Solid Bottom, 24" Radius, Steel Cable Tray.....	516.31	249.03
<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	35.94	
26 05 36 00-1528 EA 30" Horizontal 45 Degree Elbow, Solid Bottom, 24" Radius, Steel Cable Tray.....	606.96	293.12
<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	42.19	
26 05 36 00-1529 EA 36" Horizontal 45 Degree Elbow, Solid Bottom, 24" Radius, Steel Cable Tray.....	686.02	331.82
<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	47.59	
26 05 36 00-1530 45 Degree, 36" Radius Horizontal Elbows <small>(26 05 36 00-1494)</small>		
26 05 36 00-1531 EA 6" Horizontal 45 Degree Elbow, Solid Bottom, 36" Radius, Steel Cable Tray.....	282.57	113.10
<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	23.53	
26 05 36 00-1532 EA 12" Horizontal 45 Degree Elbow, Solid Bottom, 36" Radius, Steel Cable Tray.....	357.15	150.76
<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	28.44	
26 05 36 00-1533 EA 18" Horizontal 45 Degree Elbow, Solid Bottom, 36" Radius, Steel Cable Tray.....	490.59	216.76
<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	37.46	

26 Electrical**26 05 Common Work Results For Electrical****26 05 36 Cable Trays For Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1534 EA 24" Horizontal 45 Degree Elbow, Solid Bottom, 36" Radius, Steel Cable Tray.....	601.74	276.94
<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	44.10	
26 05 36 00-1535 EA 30" Horizontal 45 Degree Elbow, Solid Bottom, 36" Radius, Steel Cable Tray.....	721.29	331.82
<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	52.88	
26 05 36 00-1536 EA 36" Horizontal 45 Degree Elbow, Solid Bottom, 36" Radius, Steel Cable Tray.....	827.91	383.39
<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	60.30	
26 05 36 00-1537 90 Degree, 12" Radius Vertical Risers <small>(26 05 36 00-1494)</small>		
26 05 36 00-1538 EA 6" Vertical Riser 90 Degree, Solid Bottom, 12" Radius, Steel Cable Tray	246.14	103.56
<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	19.66	
26 05 36 00-1539 EA 12" Vertical Riser 90 Degree, Solid Bottom, 12" Radius, Steel Cable Tray	320.74	146.09
<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	23.75	
26 05 36 00-1540 EA 18" Vertical Riser 90 Degree, Solid Bottom, 12" Radius, Steel Cable Tray	385.71	184.38
<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	27.12	
26 05 36 00-1541 EA 24" Vertical Riser 90 Degree, Solid Bottom, 12" Radius, Steel Cable Tray	469.23	226.50
<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	32.63	
26 05 36 00-1542 EA 30" Vertical Riser 90 Degree, Solid Bottom, 12" Radius, Steel Cable Tray	535.09	262.51
<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	36.52	
26 05 36 00-1543 EA 36" Vertical Riser 90 Degree, Solid Bottom, 12" Radius, Steel Cable Tray	588.87	292.60
<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	39.57	
26 05 36 00-1544 90 Degree, 24" Radius Vertical Risers <small>(26 05 36 00-1494)</small>		
26 05 36 00-1545 EA 6" Vertical Riser 90 Degree, Solid Bottom, 24" Radius, Steel Cable Tray	283.95	108.11
<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	24.57	
26 05 36 00-1546 EA 12" Vertical Riser 90 Degree, Solid Bottom, 24" Radius, Steel Cable Tray	372.99	155.74
<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	29.98	
26 05 36 00-1547 EA 18" Vertical Riser 90 Degree, Solid Bottom, 24" Radius, Steel Cable Tray	455.11	199.32
<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	35.05	
26 05 36 00-1548 EA 24" Vertical Riser 90 Degree, Solid Bottom, 24" Radius, Steel Cable Tray	548.87	249.03
<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	40.83	
26 05 36 00-1549 EA 30" Vertical Riser 90 Degree, Solid Bottom, 24" Radius, Steel Cable Tray	628.66	292.60
<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	45.54	
26 05 36 00-1550 EA 36" Vertical Riser 90 Degree, Solid Bottom, 24" Radius, Steel Cable Tray	707.42	331.82
<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	50.80	
26 05 36 00-1551 90 Degree, 36" Radius Vertical Risers <small>(26 05 36 00-1494)</small>		
26 05 36 00-1552 EA 6" Vertical Riser 90 Degree, Solid Bottom, 36" Radius, Steel Cable Tray	329.32	112.99
<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	30.57	
26 05 36 00-1553 EA 12" Vertical Riser 90 Degree, Solid Bottom, 36" Radius, Steel Cable Tray	409.79	151.07
<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	36.28	
26 05 36 00-1554 EA 18" Vertical Riser 90 Degree, Solid Bottom, 36" Radius, Steel Cable Tray	533.70	216.76
<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	43.93	
26 05 36 00-1555 EA 24" Vertical Riser 90 Degree, Solid Bottom, 36" Radius, Steel Cable Tray	650.04	276.41
<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	51.43	
26 05 36 00-1556 EA 30" Vertical Riser 90 Degree, Solid Bottom, 36" Radius, Steel Cable Tray	759.27	331.82
<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	58.58	
26 05 36 00-1557 EA 36" Vertical Riser 90 Degree, Solid Bottom, 36" Radius, Steel Cable Tray	861.60	382.35
<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	65.51	
26 05 36 00-1558 12" Radius Horizontal Tees <small>(26 05 36 00-1494)</small>		
26 05 36 00-1559 EA 6" Horizontal Tee, Solid Bottom, 12" Radius, Steel Cable Tray	416.53	199.32
<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	29.27	
26 05 36 00-1560 EA 12" Horizontal Tee, Solid Bottom, 12" Radius, Steel Cable Tray	506.01	248.60
<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	34.46	
26 05 36 00-1561 EA 18" Horizontal Tee, Solid Bottom, 12" Radius, Steel Cable Tray	597.02	293.12
<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	40.70	
26 05 36 00-1562 EA 24" Horizontal Tee, Solid Bottom, 12" Radius, Steel Cable Tray	715.37	356.10
<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	47.95	
26 05 36 00-1563 EA 30" Horizontal Tee, Solid Bottom, 12" Radius, Steel Cable Tray	777.57	383.39
<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	52.74	
26 05 36 00-1564 EA 36" Horizontal Tee, Solid Bottom, 12" Radius, Steel Cable Tray	913.23	452.39
<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	61.58	
26 05 36 00-1565 24" Radius Horizontal Tees <small>(26 05 36 00-1494)</small>		
26 05 36 00-1566 EA 6" Horizontal Tee, Solid Bottom, 24" Radius, Steel Cable Tray	492.19	216.44
<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	37.75	
26 05 36 00-1567 EA 12" Horizontal Tee, Solid Bottom, 24" Radius, Steel Cable Tray	613.87	276.41
<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	46.01	
26 05 36 00-1568 EA 18" Horizontal Tee, Solid Bottom, 24" Radius, Steel Cable Tray	723.10	331.82
<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	53.16	
26 05 36 00-1569 EA 24" Horizontal Tee, Solid Bottom, 24" Radius, Steel Cable Tray	922.02	415.03
<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	69.13	
26 05 36 00-1570 EA 30" Horizontal Tee, Solid Bottom, 24" Radius, Steel Cable Tray	1,004.86	452.39
<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	75.32	
26 05 36 00-1571 EA 36" Horizontal Tee, Solid Bottom, 24" Radius, Steel Cable Tray	1,194.41	553.87
<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	86.85	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1572 36" Radius Horizontal Tees <small>(26 05 36 00-1494)</small>		
26 05 36 00-1573 EA 6" Horizontal Tee, Solid Bottom, 36" Radius, Steel Cable Tray	601.61	237.29
For 4-5/8" Overall Height Instead Of 3-5/8", Add	50.70	
26 05 36 00-1574 EA 12" Horizontal Tee, Solid Bottom, 36" Radius, Steel Cable Tray	749.09	311.28
For 4-5/8" Overall Height Instead Of 3-5/8", Add	60.48	
26 05 36 00-1575 EA 18" Horizontal Tee, Solid Bottom, 36" Radius, Steel Cable Tray	889.70	383.39
For 4-5/8" Overall Height Instead Of 3-5/8", Add	69.56	
26 05 36 00-1576 EA 24" Horizontal Tee, Solid Bottom, 36" Radius, Steel Cable Tray	1,076.00	452.39
For 4-5/8" Overall Height Instead Of 3-5/8", Add	85.99	
26 05 36 00-1577 EA 30" Horizontal Tee, Solid Bottom, 36" Radius, Steel Cable Tray	1,181.07	498.87
For 4-5/8" Overall Height Instead Of 3-5/8", Add	94.02	
26 05 36 00-1578 EA 36" Horizontal Tee, Solid Bottom, 36" Radius, Steel Cable Tray	1,399.31	622.55
For 4-5/8" Overall Height Instead Of 3-5/8", Add	106.14	
26 05 36 00-1579 12" Radius Vertical Tees <small>(26 05 36 00-1494)</small>		
26 05 36 00-1580 EA 6" Vertical Tee, Solid Bottom, 12" Radius, Steel Cable Tray	470.79	199.32
For 4-5/8" Overall Height Instead Of 3-5/8", Add	37.41	
26 05 36 00-1581 EA 12" Vertical Tee, Solid Bottom, 12" Radius, Steel Cable Tray	559.72	249.03
For 4-5/8" Overall Height Instead Of 3-5/8", Add	42.46	
26 05 36 00-1582 EA 18" Vertical Tee, Solid Bottom, 12" Radius, Steel Cable Tray	607.84	276.41
For 4-5/8" Overall Height Instead Of 3-5/8", Add	45.10	
26 05 36 00-1583 EA 24" Vertical Tee, Solid Bottom, 12" Radius, Steel Cable Tray	649.16	292.60
For 4-5/8" Overall Height Instead Of 3-5/8", Add	48.62	
26 05 36 00-1584 EA 30" Vertical Tee, Solid Bottom, 12" Radius, Steel Cable Tray	725.51	331.82
For 4-5/8" Overall Height Instead Of 3-5/8", Add	53.52	
26 05 36 00-1585 EA 36" Vertical Tee, Solid Bottom, 12" Radius, Steel Cable Tray	817.36	383.39
For 4-5/8" Overall Height Instead Of 3-5/8", Add	58.71	
26 05 36 00-1586 24" Radius Vertical Tees <small>(26 05 36 00-1494)</small>		
26 05 36 00-1587 EA 6" Vertical Tee, Solid Bottom, 24" Radius, Steel Cable Tray	565.74	216.44
For 4-5/8" Overall Height Instead Of 3-5/8", Add	48.78	
26 05 36 00-1588 EA 12" Vertical Tee, Solid Bottom, 24" Radius, Steel Cable Tray	675.36	276.41
For 4-5/8" Overall Height Instead Of 3-5/8", Add	55.23	
26 05 36 00-1589 EA 18" Vertical Tee, Solid Bottom, 24" Radius, Steel Cable Tray	744.27	311.28
For 4-5/8" Overall Height Instead Of 3-5/8", Add	59.76	
26 05 36 00-1590 EA 24" Vertical Tee, Solid Bottom, 24" Radius, Steel Cable Tray	789.41	331.82
For 4-5/8" Overall Height Instead Of 3-5/8", Add	63.10	
26 05 36 00-1591 EA 30" Vertical Tee, Solid Bottom, 24" Radius, Steel Cable Tray	898.14	383.39
For 4-5/8" Overall Height Instead Of 3-5/8", Add	70.83	
26 05 36 00-1592 EA 36" Vertical Tee, Solid Bottom, 24" Radius, Steel Cable Tray	1,025.36	452.39
For 4-5/8" Overall Height Instead Of 3-5/8", Add	78.40	
26 05 36 00-1593 36" Radius Vertical Tees <small>(26 05 36 00-1494)</small>		
26 05 36 00-1594 EA 6" Vertical Tee, Solid Bottom, 36" Radius, Steel Cable Tray	714.35	236.88
For 4-5/8" Overall Height Instead Of 3-5/8", Add	67.67	
26 05 36 00-1595 EA 12" Vertical Tee, Solid Bottom, 36" Radius, Steel Cable Tray	844.35	311.28
For 4-5/8" Overall Height Instead Of 3-5/8", Add	74.77	
26 05 36 00-1596 EA 18" Vertical Tee, Solid Bottom, 36" Radius, Steel Cable Tray	941.89	355.38
For 4-5/8" Overall Height Instead Of 3-5/8", Add	62.06	
26 05 36 00-1597 EA 24" Vertical Tee, Solid Bottom, 36" Radius, Steel Cable Tray	1,000.63	383.39
For 4-5/8" Overall Height Instead Of 3-5/8", Add	86.20	
26 05 36 00-1598 EA 30" Vertical Tee, Solid Bottom, 36" Radius, Steel Cable Tray	1,176.07	452.39
For 4-5/8" Overall Height Instead Of 3-5/8", Add	101.00	
26 05 36 00-1599 EA 36" Vertical Tee, Solid Bottom, 36" Radius, Steel Cable Tray	1,274.87	497.21
For 4-5/8" Overall Height Instead Of 3-5/8", Add	108.36	
26 05 36 00-1600 12" Radius Horizontal Crosses <small>(26 05 36 00-1494)</small>		
26 05 36 00-1601 EA 6" Horizontal Cross, Solid Bottom, 12" Radius, Steel Cable Tray	516.31	249.03
For 4-5/8" Overall Height Instead Of 3-5/8", Add	35.94	
26 05 36 00-1602 EA 12" Horizontal Cross, Solid Bottom, 12" Radius, Steel Cable Tray	598.22	293.12
For 4-5/8" Overall Height Instead Of 3-5/8", Add	40.88	
26 05 36 00-1603 EA 18" Horizontal Cross, Solid Bottom, 12" Radius, Steel Cable Tray	721.24	355.38
For 4-5/8" Overall Height Instead Of 3-5/8", Add	48.96	
26 05 36 00-1604 EA 24" Horizontal Cross, Solid Bottom, 12" Radius, Steel Cable Tray	836.42	415.03
For 4-5/8" Overall Height Instead Of 3-5/8", Add	56.29	
26 05 36 00-1605 EA 30" Horizontal Cross, Solid Bottom, 12" Radius, Steel Cable Tray	990.32	497.21
For 4-5/8" Overall Height Instead Of 3-5/8", Add	65.67	
26 05 36 00-1606 EA 36" Horizontal Cross, Solid Bottom, 12" Radius, Steel Cable Tray	1,100.36	553.87
For 4-5/8" Overall Height Instead Of 3-5/8", Add	72.74	
26 05 36 00-1607 24" Radius Horizontal Crosses <small>(26 05 36 00-1494)</small>		
26 05 36 00-1608 EA 6" Horizontal Cross, Solid Bottom, 24" Radius, Steel Cable Tray	646.05	276.94
For 4-5/8" Overall Height Instead Of 3-5/8", Add	50.75	
26 05 36 00-1609 EA 12" Horizontal Cross, Solid Bottom, 24" Radius, Steel Cable Tray	759.27	331.82
For 4-5/8" Overall Height Instead Of 3-5/8", Add	58.58	
26 05 36 00-1610 EA 18" Horizontal Cross, Solid Bottom, 24" Radius, Steel Cable Tray	922.02	415.03
For 4-5/8" Overall Height Instead Of 3-5/8", Add	69.13	

26 Electrical**26 05 Common Work Results For Electrical****26 05 36 Cable Trays For Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1611	EA		24" Horizontal Cross, Solid Bottom, 24" Radius, Steel Cable Tray.....	1,126.81	498.87
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	85.88	
26 05 36 00-1612	EA		30" Horizontal Cross, Solid Bottom, 24" Radius, Steel Cable Tray.....	1,242.64	553.87
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	94.08	
26 05 36 00-1613	EA		36" Horizontal Cross, Solid Bottom, 24" Radius, Steel Cable Tray.....	1,375.19	622.55
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	102.52	
26 05 36 00-1614			36" Radius Horizontal Crosses <small>(26 05 36 00-1494)</small>		
26 05 36 00-1615	EA		6" Horizontal Cross, Solid Bottom, 36" Radius, Steel Cable Tray.....	820.23	311.28
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	71.15	
26 05 36 00-1616	EA		12" Horizontal Cross, Solid Bottom, 36" Radius, Steel Cable Tray.....	970.48	383.39
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	81.68	
26 05 36 00-1617	EA		18" Horizontal Cross, Solid Bottom, 36" Radius, Steel Cable Tray.....	1,193.13	498.87
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	95.83	
26 05 36 00-1618	EA		24" Horizontal Cross, Solid Bottom, 36" Radius, Steel Cable Tray.....	1,351.15	553.87
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	110.36	
26 05 36 00-1619	EA		30" Horizontal Cross, Solid Bottom, 36" Radius, Steel Cable Tray.....	1,501.79	622.55
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	121.51	
26 05 36 00-1620	EA		36" Horizontal Cross, Solid Bottom, 36" Radius, Steel Cable Tray.....	1,678.82	710.65
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	133.38	
26 05 36 00-1621			Straight Reducers <small>(26 05 36 00-1494)</small>		
26 05 36 00-1622	EA		12"-6" Reducer, Solid Bottom, Steel Cable Tray.....	197.43	83.01
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	15.78	
26 05 36 00-1623	EA		18"-12" Reducer, Solid Bottom, Steel Cable Tray.....	216.65	93.80
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	16.86	
26 05 36 00-1624	EA		24"-18" Reducer, Solid Bottom, Steel Cable Tray.....	242.84	108.11
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	18.41	
26 05 36 00-1625	EA		30"-24" Reducer, Solid Bottom, Steel Cable Tray.....	275.04	124.51
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	20.50	
26 05 36 00-1626	EA		36"-30" Reducer, Solid Bottom, Steel Cable Tray.....	300.10	138.11
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	22.00	
26 05 36 00-1627			Reducers <small>(26 05 36 00-1494)</small>		
26 05 36 00-1628	EA		18"-6" Reducer, Solid Bottom, Steel Cable Tray.....	216.74	93.90
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	16.87	
26 05 36 00-1629	EA		24"-12" Reducer, Solid Bottom, Steel Cable Tray.....	242.00	108.32
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	18.25	
26 05 36 00-1630	EA		30"-12" Reducer, Solid Bottom, Steel Cable Tray.....	272.46	124.40
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	20.13	
26 05 36 00-1631	EA		30"-18" Reducer, Solid Bottom, Steel Cable Tray.....	273.50	124.30
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	20.31	
26 05 36 00-1632	EA		36"-12" Reducer, Solid Bottom, Steel Cable Tray.....	298.90	138.11
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	21.82	
26 05 36 00-1633	EA		36"-18" Reducer, Solid Bottom, Steel Cable Tray.....	300.10	138.11
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	22.00	
26 05 36 00-1634	EA		36"-24" Reducer, Solid Bottom, Steel Cable Tray.....	301.71	138.31
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	22.20	
26 05 36 00-1635			Dropout Or End Plate <small>(26 05 36 00-1494)</small>		
26 05 36 00-1636	EA		6" Dropout Or End Plate, Solid Bottom, Steel Cable Tray.....	64.18	31.13
26 05 36 00-1637	EA		12" Dropout Or End Plate, Solid Bottom, Steel Cable Tray.....	78.61	37.98
26 05 36 00-1638	EA		18" Dropout Or End Plate, Solid Bottom, Steel Cable Tray.....	91.52	45.03
26 05 36 00-1639	EA		24" Dropout Or End Plate, Solid Bottom, Steel Cable Tray.....	102.36	49.81
26 05 36 00-1640	EA		30" Dropout Or End Plate, Solid Bottom, Steel Cable Tray.....	113.84	55.30
26 05 36 00-1641	EA		36" Dropout Or End Plate, Solid Bottom, Steel Cable Tray.....	126.97	62.25
26 05 36 00-1642			Solid Bottom Aluminum Straight Cable Tray Sections <small>(26 05 36 00-1486)</small>		
26 05 36 00-1643	LF		6" Solid Bottom Aluminum Cable Tray, Straight Section.....	19.55	6.54
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	1.84	
26 05 36 00-1644	LF		12" Solid Bottom Aluminum Cable Tray, Straight Section.....	24.07	7.67
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	2.34	
26 05 36 00-1645	LF		18" Solid Bottom Aluminum Cable Tray, Straight Section.....	30.91	9.96
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	2.97	
26 05 36 00-1646	LF		24" Solid Bottom Aluminum Cable Tray, Straight Section.....	36.21	11.00
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	3.61	
26 05 36 00-1647	LF		30" Solid Bottom Aluminum Cable Tray, Straight Section.....	44.84	14.22
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	4.36	
26 05 36 00-1648	LF		36" Solid Bottom Steel Aluminum Tray, Straight Section.....	52.58	15.57
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	5.29	
26 05 36 00-1649			Solid Bottom Aluminum Cable Tray Fittings <small>(26 05 36 00-1486)</small>		
26 05 36 00-1650			90 Degree, 12" Radius Horizontal Elbows <small>(26 05 36 00-1649)</small>		
26 05 36 00-1651	EA		6" Horizontal 90 Degree Elbow, Solid Bottom, 12" Radius, Aluminum Cable Tray.....	242.51	103.87
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	19.07	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1652 EA 12" Horizontal 90 Degree Elbow, Solid Bottom, 12" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	296.12 22.62	130.73
26 05 36 00-1653 EA 18" Horizontal 90 Degree Elbow, Solid Bottom, 12" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	339.53 26.53	146.40
26 05 36 00-1654 EA 24" Horizontal 90 Degree Elbow, Solid Bottom, 12" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	396.23 30.77	171.93
26 05 36 00-1655 EA 30" Horizontal 90 Degree Elbow, Solid Bottom, 12" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	466.05 36.65	199.53
26 05 36 00-1656 EA 36" Horizontal 90 Degree Elbow, Solid Bottom, 12" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	527.36 41.35	226.50
26 05 36 00-1657 90 Degree, 24" Radius Horizontal Elbows <small>(26 05 36 00-1649)</small>		
26 05 36 00-1658 EA 6" Horizontal 90 Degree Elbow, Solid Bottom, 24" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	279.02 23.83	108.11
26 05 36 00-1659 EA 12" Horizontal 90 Degree Elbow, Solid Bottom, 24" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	347.99 29.12	138.52
26 05 36 00-1660 EA 18" Horizontal 90 Degree Elbow, Solid Bottom, 24" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	392.88 32.99	155.64
26 05 36 00-1661 EA 24" Horizontal 90 Degree Elbow, Solid Bottom, 24" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	472.30 40.11	184.38
26 05 36 00-1662 EA 30" Horizontal 90 Degree Elbow, Solid Bottom, 24" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	549.11 46.34	216.13
26 05 36 00-1663 EA 36" Horizontal 90 Degree Elbow, Solid Bottom, 24" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	632.09 53.31	249.03
26 05 36 00-1664 90 Degree, 36" Radius Horizontal Elbows <small>(26 05 36 00-1649)</small>		
26 05 36 00-1665 EA 6" Horizontal 90 Degree Elbow, Solid Bottom, 36" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	334.76 31.39	112.99
26 05 36 00-1666 EA 12" Horizontal 90 Degree Elbow, Solid Bottom, 36" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	420.31 38.60	146.71
26 05 36 00-1667 EA 18" Horizontal 90 Degree Elbow, Solid Bottom, 36" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	485.51 45.11	166.33
26 05 36 00-1668 EA 24" Horizontal 90 Degree Elbow, Solid Bottom, 36" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	555.28 50.12	199.01
26 05 36 00-1669 EA 30" Horizontal 90 Degree Elbow, Solid Bottom, 36" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	648.30 57.70	237.29
26 05 36 00-1670 EA 36" Horizontal 90 Degree Elbow, Solid Bottom, 36" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	756.20 67.44	276.00
26 05 36 00-1671 45 Degree, 12" Radius Horizontal Elbows <small>(26 05 36 00-1649)</small>		
26 05 36 00-1672 EA 6" Horizontal 45 Degree Elbow, Solid Bottom, 12" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	227.34 16.79	103.87
26 05 36 00-1673 EA 12" Horizontal 45 Degree Elbow, Solid Bottom, 12" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	278.93 20.04	130.73
26 05 36 00-1674 EA 18" Horizontal 45 Degree Elbow, Solid Bottom, 12" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	318.29 23.36	146.30
26 05 36 00-1675 EA 24" Horizontal 45 Degree Elbow, Solid Bottom, 12" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	371.49 27.12	171.62
26 05 36 00-1676 EA 30" Horizontal 45 Degree Elbow, Solid Bottom, 12" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	436.68 32.25	199.53
26 05 36 00-1677 EA 36" Horizontal 45 Degree Elbow, Solid Bottom, 12" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	493.30 36.35	225.88
26 05 36 00-1678 45 Degree, 24" Radius Horizontal Elbows <small>(26 05 36 00-1649)</small>		
26 05 36 00-1679 EA 6" Horizontal 45 Degree Elbow, Solid Bottom, 24" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	257.42 20.57	108.22
26 05 36 00-1680 EA 12" Horizontal 45 Degree Elbow, Solid Bottom, 24" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	321.99 25.24	138.31
26 05 36 00-1681 EA 18" Horizontal 45 Degree Elbow, Solid Bottom, 24" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	364.03 28.61	155.95
26 05 36 00-1682 EA 24" Horizontal 45 Degree Elbow, Solid Bottom, 24" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	436.01 34.67	184.38
26 05 36 00-1683 EA 30" Horizontal 45 Degree Elbow, Solid Bottom, 24" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	508.57 40.16	216.76
26 05 36 00-1684 EA 36" Horizontal 45 Degree Elbow, Solid Bottom, 24" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	584.33 46.15	249.03
26 05 36 00-1685 45 Degree, 36" Radius Horizontal Elbows <small>(26 05 36 00-1649)</small>		
26 05 36 00-1686 EA 6" Horizontal 45 Degree Elbow, Solid Bottom, 36" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	302.80 26.57	113.10
26 05 36 00-1687 EA 12" Horizontal 45 Degree Elbow, Solid Bottom, 36" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	381.17 32.77	146.40
26 05 36 00-1688 EA 18" Horizontal 45 Degree Elbow, Solid Bottom, 36" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	439.67 38.24	166.33
26 05 36 00-1689 EA 24" Horizontal 45 Degree Elbow, Solid Bottom, 36" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	506.94 42.79	199.53
26 05 36 00-1690 EA 30" Horizontal 45 Degree Elbow, Solid Bottom, 36" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	592.67 49.36	237.29

26 Electrical**26 05 Common Work Results For Electrical****26 05 36 Cable Trays For Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1691	EA		36" Horizontal 45 Degree Elbow, Solid Bottom, 36" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	692.67 57.74	276.94
26 05 36 00-1692			90 Degree, 12" Radius Vertical Risers <small>(26 05 36 00-1649)</small>		
26 05 36 00-1693	EA		6" Vertical Riser 90 Degree, Solid Bottom, 12" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	255.07 21.00	103.56
26 05 36 00-1694	EA		12" Vertical Riser 90 Degree, Solid Bottom, 12" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	303.72 23.76	130.73
26 05 36 00-1695	EA		18" Vertical Riser 90 Degree, Solid Bottom, 12" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	340.62 26.69	146.40
26 05 36 00-1696	EA		24" Vertical Riser 90 Degree, Solid Bottom, 12" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	388.64 29.63	171.93
26 05 36 00-1697	EA		30" Vertical Riser 90 Degree, Solid Bottom, 12" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	441.09 32.91	199.53
26 05 36 00-1698	EA		36" Vertical Riser 90 Degree, Solid Bottom, 12" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	488.26 35.59	225.88
26 05 36 00-1699			90 Degree, 24" Radius Vertical Risers <small>(26 05 36 00-1649)</small>		
26 05 36 00-1700	EA		6" Vertical Riser 90 Degree, Solid Bottom, 24" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	297.47 26.59	108.11
26 05 36 00-1701	EA		12" Vertical Riser 90 Degree, Solid Bottom, 24" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	357.76 30.59	138.52
26 05 36 00-1702	EA		18" Vertical Riser 90 Degree, Solid Bottom, 24" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	396.14 33.48	155.64
26 05 36 00-1703	EA		24" Vertical Riser 90 Degree, Solid Bottom, 24" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	456.02 37.67	184.38
26 05 36 00-1704	EA		30" Vertical Riser 90 Degree, Solid Bottom, 24" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	517.64 41.62	216.13
26 05 36 00-1705	EA		36" Vertical Riser 90 Degree, Solid Bottom, 24" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	588.67 46.80	249.03
26 05 36 00-1706			90 Degree, 36" Radius Vertical Risers <small>(26 05 36 00-1649)</small>		
26 05 36 00-1707	EA		6" Vertical Riser 90 Degree, Solid Bottom, 36" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	342.36 32.53	112.99
26 05 36 00-1708	EA		12" Vertical Riser 90 Degree, Solid Bottom, 36" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	418.13 38.27	146.71
26 05 36 00-1709	EA		18" Vertical Riser 90 Degree, Solid Bottom, 36" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	465.98 42.18	166.33
26 05 36 00-1710	EA		24" Vertical Riser 90 Degree, Solid Bottom, 36" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	528.15 46.05	199.01
26 05 36 00-1711	EA		30" Vertical Riser 90 Degree, Solid Bottom, 36" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	612.49 52.33	237.29
26 05 36 00-1712	EA		36" Vertical Riser 90 Degree, Solid Bottom, 36" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	685.66 56.86	276.00
26 05 36 00-1713			12" Radius Horizontal Tees <small>(26 05 36 00-1649)</small>		
26 05 36 00-1714	EA		6" Horizontal Tee, Solid Bottom, 12" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	439.57 32.72	199.32
26 05 36 00-1715	EA		12" Horizontal Tee, Solid Bottom, 12" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	506.71 38.36	225.88
26 05 36 00-1716	EA		18" Horizontal Tee, Solid Bottom, 12" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	561.54 42.73	249.03
26 05 36 00-1717	EA		24" Horizontal Tee, Solid Bottom, 12" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	625.45 47.66	276.94
26 05 36 00-1718	EA		30" Horizontal Tee, Solid Bottom, 12" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	741.93 55.98	331.82
26 05 36 00-1719	EA		36" Horizontal Tee, Solid Bottom, 12" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	908.79 67.15	415.03
26 05 36 00-1720			24" Radius Horizontal Tees <small>(26 05 36 00-1649)</small>		
26 05 36 00-1721	EA		6" Horizontal Tee, Solid Bottom, 24" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	537.67 44.57	216.44
26 05 36 00-1722	EA		12" Horizontal Tee, Solid Bottom, 24" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	614.72 50.71	249.03
26 05 36 00-1723	EA		18" Horizontal Tee, Solid Bottom, 24" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	686.48 56.90	276.41
26 05 36 00-1724	EA		24" Horizontal Tee, Solid Bottom, 24" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	829.84 69.17	331.82
26 05 36 00-1725	EA		30" Horizontal Tee, Solid Bottom, 24" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	1,006.46 81.80	415.03
26 05 36 00-1726	EA		36" Horizontal Tee, Solid Bottom, 24" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	1,108.98 90.72	453.74
26 05 36 00-1727			36" Radius Horizontal Tees <small>(26 05 36 00-1649)</small>		
26 05 36 00-1728	EA		6" Horizontal Tee, Solid Bottom, 36" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	683.03 62.91	237.29



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1729 EA 12" Horizontal Tee, Solid Bottom, 36" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	775.47 70.25	276.41
26 05 36 00-1730 EA 18" Horizontal Tee, Solid Bottom, 36" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	882.37 80.48	311.28
26 05 36 00-1731 EA 24" Horizontal Tee, Solid Bottom, 36" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	1,060.60 95.36	382.35
26 05 36 00-1732 EA 30" Horizontal Tee, Solid Bottom, 36" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	1,298.08 111.57	498.87
26 05 36 00-1733 EA 36" Horizontal Tee, Solid Bottom, 36" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	1,444.05 124.30	553.87
26 05 36 00-1734 12" Radius Vertical Tees <small>(26 05 36 00-1649)</small>		
26 05 36 00-1735 EA 6" Vertical Tee, Solid Bottom, 12" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	485.15 39.56	199.32
26 05 36 00-1736 EA 12" Vertical Tee, Solid Bottom, 12" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	533.31 42.29	226.19
26 05 36 00-1737 EA 18" Vertical Tee, Solid Bottom, 12" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	557.62 44.16	236.88
26 05 36 00-1738 EA 24" Vertical Tee, Solid Bottom, 12" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	588.01 46.76	248.60
26 05 36 00-1739 EA 30" Vertical Tee, Solid Bottom, 12" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	649.58 51.36	276.41
26 05 36 00-1740 EA 36" Vertical Tee, Solid Bottom, 12" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	752.78 57.61	331.82
26 05 36 00-1741 24" Radius Vertical Tees <small>(26 05 36 00-1649)</small>		
26 05 36 00-1742 EA 6" Vertical Tee, Solid Bottom, 24" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	586.51 51.90	216.44
26 05 36 00-1743 EA 12" Vertical Tee, Solid Bottom, 24" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	653.79 56.57	249.03
26 05 36 00-1744 EA 18" Vertical Tee, Solid Bottom, 24" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	691.74 60.09	261.99
26 05 36 00-1745 EA 24" Vertical Tee, Solid Bottom, 24" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	737.49 64.55	276.41
26 05 36 00-1746 EA 30" Vertical Tee, Solid Bottom, 24" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	822.68 71.52	311.28
26 05 36 00-1747 EA 36" Vertical Tee, Solid Bottom, 24" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	957.50 79.89	382.35
26 05 36 00-1748 36" Radius Vertical Tees <small>(26 05 36 00-1649)</small>		
26 05 36 00-1749 EA 6" Vertical Tee, Solid Bottom, 36" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	747.55 72.65	236.88
26 05 36 00-1750 EA 12" Vertical Tee, Solid Bottom, 36" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	824.08 78.10	273.10
26 05 36 00-1751 EA 18" Vertical Tee, Solid Bottom, 36" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	878.29 82.98	292.60
26 05 36 00-1752 EA 24" Vertical Tee, Solid Bottom, 36" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	920.35 86.17	311.28
26 05 36 00-1753 EA 30" Vertical Tee, Solid Bottom, 36" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	1,026.34 94.73	355.38
26 05 36 00-1754 EA 36" Vertical Tee, Solid Bottom, 36" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	801.82 44.87	452.39
26 05 36 00-1755 12" Radius Horizontal Crosses <small>(26 05 36 00-1649)</small>		
26 05 36 00-1756 EA 6" Horizontal Cross, Solid Bottom, 12" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	513.78 39.36	226.19
26 05 36 00-1757 EA 12" Horizontal Cross, Solid Bottom, 12" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	569.14 43.87	249.03
26 05 36 00-1758 EA 18" Horizontal Cross, Solid Bottom, 12" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	663.41 50.75	292.60
26 05 36 00-1759 EA 24" Horizontal Cross, Solid Bottom, 12" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	791.92 59.57	355.38
26 05 36 00-1760 EA 30" Horizontal Cross, Solid Bottom, 12" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	863.08 65.73	382.35
26 05 36 00-1761 EA 36" Horizontal Cross, Solid Bottom, 12" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	1,005.87 75.25	453.74
26 05 36 00-1762 24" Radius Horizontal Crosses <small>(26 05 36 00-1649)</small>		
26 05 36 00-1763 EA 6" Horizontal Cross, Solid Bottom, 24" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	654.46 56.60	249.44
26 05 36 00-1764 EA 12" Horizontal Cross, Solid Bottom, 24" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	737.49 64.55	276.41
26 05 36 00-1765 EA 18" Horizontal Cross, Solid Bottom, 24" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	853.71 72.75	331.82
26 05 36 00-1766 EA 24" Horizontal Cross, Solid Bottom, 24" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	1,057.15 89.21	416.17
26 05 36 00-1767 EA 30" Horizontal Cross, Solid Bottom, 24" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	1,157.81 98.05	453.74

26 Electrical**26 05 Common Work Results For Electrical****26 05 36 Cable Trays For Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1768	EA		36" Horizontal Cross, Solid Bottom, 24" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	1,340.95 108.83	553.87
26 05 36 00-1769			36" Radius Horizontal Crosses <small>(26 05 36 00-1649)</small>		
26 05 36 00-1770	EA		6" Horizontal Cross, Solid Bottom, 36" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	867.72 84.08	276.41
26 05 36 00-1771	EA		12" Horizontal Cross, Solid Bottom, 36" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	958.34 91.87	311.28
26 05 36 00-1772	EA		18" Horizontal Cross, Solid Bottom, 36" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	1,127.29 105.20	383.39
26 05 36 00-1773	EA		24" Horizontal Cross, Solid Bottom, 36" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	1,363.20 121.34	498.87
26 05 36 00-1774	EA		30" Horizontal Cross, Solid Bottom, 36" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	1,498.32 132.44	553.87
26 05 36 00-1775	EA		36" Horizontal Cross, Solid Bottom, 36" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	1,710.46 152.81	622.55
26 05 36 00-1776			Straight Reducers <small>(26 05 36 00-1649)</small>		
26 05 36 00-1777	EA		12"-6" Reducer, Solid Bottom, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	185.95 16.03	71.18
26 05 36 00-1778	EA		18"-12" Reducer, Solid Bottom, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	207.59 17.33	82.91
26 05 36 00-1779	EA		24"-18" Reducer, Solid Bottom, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	230.16 18.89	93.80
26 05 36 00-1780	EA		30"-24" Reducer, Solid Bottom, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	260.70 21.07	108.22
26 05 36 00-1781	EA		36"-30" Reducer, Solid Bottom, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	291.84 23.06	124.30
26 05 36 00-1782			Reducers <small>(26 05 36 00-1649)</small>		
26 05 36 00-1783	EA		18"-6" Reducer, Solid Bottom, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	206.57 17.17	82.91
26 05 36 00-1784	EA		24"-12" Reducer, Solid Bottom, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	229.35 18.74	94.01
26 05 36 00-1785	EA		30"-12" Reducer, Solid Bottom, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	258.40 20.73	108.11
26 05 36 00-1786	EA		30"-18" Reducer, Solid Bottom, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	259.37 20.89	108.11
26 05 36 00-1787	EA		36"-12" Reducer, Solid Bottom, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	291.84 23.06	124.30
26 05 36 00-1788	EA		36"-18" Reducer, Solid Bottom, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	292.93 23.22	124.30
26 05 36 00-1789	EA		36"-24" Reducer, Solid Bottom, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	295.43 23.56	124.51
26 05 36 00-1790			Dropout Or End Plate <small>(26 05 36 00-1649)</small>		
26 05 36 00-1791	EA		6" Dropout Or End Plate, Solid Bottom, Aluminum Cable Tray.....	65.61	31.13
26 05 36 00-1792	EA		12" Dropout Or End Plate, Solid Bottom, Aluminum Cable Tray.....	78.82	37.98
26 05 36 00-1793	EA		18" Dropout Or End Plate, Solid Bottom, Aluminum Cable Tray.....	93.68	45.03
26 05 36 00-1794	EA		24" Dropout Or End Plate, Solid Bottom, Aluminum Cable Tray.....	103.47	49.81
26 05 36 00-1795	EA		30" Dropout Or End Plate, Solid Bottom, Aluminum Cable Tray.....	116.02	55.30
26 05 36 00-1796	EA		36" Dropout Or End Plate, Solid Bottom, Aluminum Cable Tray.....	131.43	62.25
26 05 36 00-1797			Vented Bottom Cable Tray <small>(26 05 36 00-0001)</small> Note: 6" Height.		
26 05 36 00-1798			Vented Bottom Galvanized Steel Cable Tray <small>(26 05 36 00-1797)</small>		
26 05 36 00-1799	LF		6" Vented Bottom Steel Cable Tray, Straight Section..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	28.61 -1.95	10.90
26 05 36 00-1800	LF		12" Vented Bottom Steel Cable Tray, Straight Section..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	33.43 -2.31	12.45
26 05 36 00-1801	LF		18" Vented Bottom Steel Cable Tray, Straight Section..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	39.18 -2.72	14.32
26 05 36 00-1802	LF		24" Vented Bottom Steel Cable Tray, Straight Section..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	44.96 -3.13	16.39
26 05 36 00-1803	LF		30" Vented Bottom Steel Cable Tray, Straight Section..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	58.29 -4.17	19.82
26 05 36 00-1804	LF		36" Vented Bottom Steel Cable Tray, Straight Section..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	69.78 -4.90	24.90
26 05 36 00-1805			Vented Bottom Galvanized Steel Cable Tray Fittings <small>(26 05 36 00-1797)</small>		
26 05 36 00-1806			90 Degree, 12" Radius Horizontal Elbows <small>(26 05 36 00-1805)</small>		
26 05 36 00-1807	EA		6" Horizontal 90 Degree Elbow, Vented Bottom, 12" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	282.72 -17.35	131.15
26 05 36 00-1808	EA		12" Horizontal 90 Degree Elbow, Vented Bottom, 12" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	371.97 -22.41	177.43



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1809 EA 18" Horizontal 90 Degree Elbow, Vented Bottom, 12" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	464.62 -27.61	226.19
26 05 36 00-1810 EA 24" Horizontal 90 Degree Elbow, Vented Bottom, 12" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	569.56 -33.88	276.94
26 05 36 00-1811 EA 30" Horizontal 90 Degree Elbow, Vented Bottom, 12" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	642.23 -38.23	311.90
26 05 36 00-1812 EA 36" Horizontal 90 Degree Elbow, Vented Bottom, 12" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	735.17 -43.84	356.10
26 05 36 00-1813 90 Degree, 24" Radius Horizontal Elbows <small>(26 05 36 00-1805)</small>		
26 05 36 00-1814 EA 6" Horizontal 90 Degree Elbow, Vented Bottom, 24" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	325.16 -21.00	138.21
26 05 36 00-1815 EA 12" Horizontal 90 Degree Elbow, Vented Bottom, 24" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	428.64 -26.89	191.64
26 05 36 00-1816 EA 18" Horizontal 90 Degree Elbow, Vented Bottom, 24" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	547.01 -33.95	249.03
26 05 36 00-1817 EA 24" Horizontal 90 Degree Elbow, Vented Bottom, 24" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	667.58 -40.82	311.28
26 05 36 00-1818 EA 30" Horizontal 90 Degree Elbow, Vented Bottom, 24" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	707.53 -43.96	321.54
26 05 36 00-1819 EA 36" Horizontal 90 Degree Elbow, Vented Bottom, 24" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	890.91 -54.50	415.03
26 05 36 00-1820 90 Degree, 36" Radius Horizontal Elbows <small>(26 05 36 00-1805)</small>		
26 05 36 00-1821 EA 6" Horizontal 90 Degree Elbow, Vented Bottom, 36" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	385.15 -26.34	146.09
26 05 36 00-1822 EA 12" Horizontal 90 Degree Elbow, Vented Bottom, 36" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	508.31 -33.51	207.83
26 05 36 00-1823 EA 18" Horizontal 90 Degree Elbow, Vented Bottom, 36" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	655.95 -42.52	276.94
26 05 36 00-1824 EA 24" Horizontal 90 Degree Elbow, Vented Bottom, 36" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	797.41 -50.13	355.38
26 05 36 00-1825 EA 30" Horizontal 90 Degree Elbow, Vented Bottom, 36" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	922.10 -57.62	415.03
26 05 36 00-1826 EA 36" Horizontal 90 Degree Elbow, Vented Bottom, 36" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	1,085.52 -67.11	497.21
26 05 36 00-1827 45 Degree, 12" Radius Horizontal Elbows <small>(26 05 36 00-1805)</small>		
26 05 36 00-1828 EA 6" Horizontal 45 Degree Elbow, Vented Bottom, 12" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	268.79 -15.94	131.25
26 05 36 00-1829 EA 12" Horizontal 45 Degree Elbow, Vented Bottom, 12" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	355.21 -20.73	177.43
26 05 36 00-1830 EA 18" Horizontal 45 Degree Elbow, Vented Bottom, 12" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	444.80 -25.66	225.88
26 05 36 00-1831 EA 24" Horizontal 45 Degree Elbow, Vented Bottom, 12" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	544.97 -31.46	276.41
26 05 36 00-1832 EA 30" Horizontal 45 Degree Elbow, Vented Bottom, 12" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	615.30 -35.54	311.90
26 05 36 00-1833 EA 36" Horizontal 45 Degree Elbow, Vented Bottom, 12" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	702.67 -40.66	355.38
26 05 36 00-1834 45 Degree, 24" Radius Horizontal Elbows <small>(26 05 36 00-1805)</small>		
26 05 36 00-1835 EA 6" Horizontal 45 Degree Elbow, Vented Bottom, 24" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	304.51 -18.92	138.31
26 05 36 00-1836 EA 12" Horizontal 45 Degree Elbow, Vented Bottom, 24" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	404.62 -24.49	191.64
26 05 36 00-1837 EA 18" Horizontal 45 Degree Elbow, Vented Bottom, 24" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	518.65 -31.08	249.44
26 05 36 00-1838 EA 24" Horizontal 45 Degree Elbow, Vented Bottom, 24" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	634.85 -37.55	311.28
26 05 36 00-1839 EA 30" Horizontal 45 Degree Elbow, Vented Bottom, 24" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	727.42 -43.06	356.10
26 05 36 00-1840 EA 36" Horizontal 45 Degree Elbow, Vented Bottom, 24" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	847.09 -50.12	415.03
26 05 36 00-1841 45 Degree, 36" Radius Horizontal Elbows <small>(26 05 36 00-1805)</small>		
26 05 36 00-1842 EA 6" Horizontal 45 Degree Elbow, Vented Bottom, 36" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	354.47 -23.25	146.40
26 05 36 00-1843 EA 12" Horizontal 45 Degree Elbow, Vented Bottom, 36" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	471.76 -29.91	207.21
26 05 36 00-1844 EA 18" Horizontal 45 Degree Elbow, Vented Bottom, 36" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	613.18 -38.24	276.94
26 05 36 00-1845 EA 24" Horizontal 45 Degree Elbow, Vented Bottom, 36" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	753.63 -45.68	356.10
26 05 36 00-1846 EA 30" Horizontal 45 Degree Elbow, Vented Bottom, 36" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	871.42 -52.56	415.03
26 05 36 00-1847 EA 36" Horizontal 45 Degree Elbow, Vented Bottom, 36" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	1,031.69 -61.60	498.87

26 Electrical**26 05 Common Work Results For Electrical****26 05 36 Cable Trays For Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1848			90 Degree, 12" Radius Vertical Risers <small>(26 05 36 00-1805)</small>		
26 05 36 00-1849	EA		6" Vertical Riser 90 Degree, Vented Bottom, 12" Radius, Steel Cable Tray.....	300.77	130.73
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-19.18	
26 05 36 00-1850	EA		12" Vertical Riser 90 Degree, Vented Bottom, 12" Radius, Steel Cable Tray.....	388.17	177.43
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-24.03	
26 05 36 00-1851	EA		18" Vertical Riser 90 Degree, Vented Bottom, 12" Radius, Steel Cable Tray.....	470.62	226.19
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-28.21	
26 05 36 00-1852	EA		24" Vertical Riser 90 Degree, Vented Bottom, 12" Radius, Steel Cable Tray.....	568.36	276.94
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-33.76	
26 05 36 00-1853	EA		30" Vertical Riser 90 Degree, Vented Bottom, 12" Radius, Steel Cable Tray.....	629.03	311.90
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-36.91	
26 05 36 00-1854	EA		36" Vertical Riser 90 Degree, Vented Bottom, 12" Radius, Steel Cable Tray.....	707.42	355.38
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-41.13	
26 05 36 00-1855			90 Degree, 24" Radius Vertical Risers <small>(26 05 36 00-1805)</small>		
26 05 36 00-1856	EA		6" Vertical Riser 90 Degree, Vented Bottom, 24" Radius, Steel Cable Tray.....	349.16	138.21
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-23.40	
26 05 36 00-1857	EA		12" Vertical Riser 90 Degree, Vented Bottom, 24" Radius, Steel Cable Tray.....	445.44	191.64
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-28.57	
26 05 36 00-1858	EA		18" Vertical Riser 90 Degree, Vented Bottom, 24" Radius, Steel Cable Tray.....	554.21	249.03
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-34.67	
26 05 36 00-1859	EA		24" Vertical Riser 90 Degree, Vented Bottom, 24" Radius, Steel Cable Tray.....	662.78	311.28
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-40.34	
26 05 36 00-1860	EA		30" Vertical Riser 90 Degree, Vented Bottom, 24" Radius, Steel Cable Tray.....	754.21	355.38
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-45.81	
26 05 36 00-1861	EA		36" Vertical Riser 90 Degree, Vented Bottom, 24" Radius, Steel Cable Tray.....	860.91	415.03
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-51.50	
26 05 36 00-1862			90 Degree, 36" Radius Vertical Risers <small>(26 05 36 00-1805)</small>		
26 05 36 00-1863	EA		6" Vertical Riser 90 Degree, Vented Bottom, 36" Radius, Steel Cable Tray.....	404.35	146.09
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-28.26	
26 05 36 00-1864	EA		12" Vertical Riser 90 Degree, Vented Bottom, 36" Radius, Steel Cable Tray.....	516.71	207.83
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-34.35	
26 05 36 00-1865	EA		18" Vertical Riser 90 Degree, Vented Bottom, 36" Radius, Steel Cable Tray.....	651.15	276.94
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-42.04	
26 05 36 00-1866	EA		24" Vertical Riser 90 Degree, Vented Bottom, 36" Radius, Steel Cable Tray.....	795.01	355.38
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-49.89	
26 05 36 00-1867	EA		30" Vertical Riser 90 Degree, Vented Bottom, 36" Radius, Steel Cable Tray.....	899.31	415.03
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-55.34	
26 05 36 00-1868	EA		36" Vertical Riser 90 Degree, Vented Bottom, 36" Radius, Steel Cable Tray.....	1,059.12	497.21
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-64.47	
26 05 36 00-1869			12" Radius Horizontal Tees <small>(26 05 36 00-1805)</small>		
26 05 36 00-1870	EA		6" Horizontal Tee, Vented Bottom, 12" Radius, Steel Cable Tray.....	512.22	249.03
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-30.47	
26 05 36 00-1871	EA		12" Horizontal Tee, Vented Bottom, 12" Radius, Steel Cable Tray.....	625.75	310.66
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-36.69	
26 05 36 00-1872	EA		18" Horizontal Tee, Vented Bottom, 12" Radius, Steel Cable Tray.....	715.98	356.10
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-41.92	
26 05 36 00-1873	EA		24" Horizontal Tee, Vented Bottom, 12" Radius, Steel Cable Tray.....	833.31	415.03
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-48.74	
26 05 36 00-1874	EA		30" Horizontal Tee, Vented Bottom, 12" Radius, Steel Cable Tray.....	916.05	452.39
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-53.90	
26 05 36 00-1875	EA		36" Horizontal Tee, Vented Bottom, 12" Radius, Steel Cable Tray.....	1,006.33	497.21
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-59.20	
26 05 36 00-1876			24" Radius Horizontal Tees <small>(26 05 36 00-1805)</small>		
26 05 36 00-1877	EA		6" Horizontal Tee, Vented Bottom, 24" Radius, Steel Cable Tray.....	621.52	276.41
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-39.12	
26 05 36 00-1878	EA		12" Horizontal Tee, Vented Bottom, 24" Radius, Steel Cable Tray.....	767.41	355.38
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-47.13	
26 05 36 00-1879	EA		18" Horizontal Tee, Vented Bottom, 24" Radius, Steel Cable Tray.....	887.31	415.03
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-54.14	
26 05 36 00-1880	EA		24" Horizontal Tee, Vented Bottom, 24" Radius, Steel Cable Tray.....	1,083.12	497.21
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-66.87	
26 05 36 00-1881	EA		30" Horizontal Tee, Vented Bottom, 24" Radius, Steel Cable Tray.....	1,199.09	553.87
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-73.75	
26 05 36 00-1882	EA		36" Horizontal Tee, Vented Bottom, 24" Radius, Steel Cable Tray.....	1,342.35	622.55
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-82.36	
26 05 36 00-1883			36" Radius Horizontal Tees <small>(26 05 36 00-1805)</small>		
26 05 36 00-1884	EA		6" Horizontal Tee, Vented Bottom, 36" Radius, Steel Cable Tray.....	749.17	311.28
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-48.98	
26 05 36 00-1885	EA		12" Horizontal Tee, Vented Bottom, 36" Radius, Steel Cable Tray.....	954.50	415.03
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-60.86	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1886 EA 18" Horizontal Tee, Vented Bottom, 36" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	1,118.18 -70.25	498.87
26 05 36 00-1887 EA 24" Horizontal Tee, Vented Bottom, 36" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	1,383.15 -86.44	622.55
26 05 36 00-1888 EA 30" Horizontal Tee, Vented Bottom, 36" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	1,555.86 -96.09	713.97
26 05 36 00-1889 EA 36" Horizontal Tee, Vented Bottom, 36" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	1,811.73 -112.18	827.89
26 05 36 00-1890 12" Radius Vertical Tees <small>(26 05 36 00-1805)</small>		
26 05 36 00-1891 EA 6" Vertical Tee, Vented Bottom, 12" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	577.01 -36.95	249.03
26 05 36 00-1892 EA 12" Vertical Tee, Vented Bottom, 12" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	683.18 -42.38	311.28
26 05 36 00-1893 EA 18" Vertical Tee, Vented Bottom, 12" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	721.07 -44.45	331.82
26 05 36 00-1894 EA 24" Vertical Tee, Vented Bottom, 12" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	769.81 -47.37	355.38
26 05 36 00-1895 EA 30" Vertical Tee, Vented Bottom, 12" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	827.29 -50.78	383.39
26 05 36 00-1896 EA 36" Vertical Tee, Vented Bottom, 12" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	946.05 -56.90	452.39
26 05 36 00-1897 24" Radius Vertical Tees <small>(26 05 36 00-1805)</small>		
26 05 36 00-1898 EA 6" Vertical Tee, Vented Bottom, 24" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	677.91 -44.75	276.41
26 05 36 00-1899 EA 12" Vertical Tee, Vented Bottom, 24" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	820.20 -52.41	355.38
26 05 36 00-1900 EA 18" Vertical Tee, Vented Bottom, 24" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	877.68 -55.82	383.39
26 05 36 00-1901 EA 24" Vertical Tee, Vented Bottom, 24" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	948.50 -60.26	415.03
26 05 36 00-1902 EA 30" Vertical Tee, Vented Bottom, 24" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	1,024.04 -64.70	452.39
26 05 36 00-1903 EA 36" Vertical Tee, Vented Bottom, 24" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	1,215.89 -75.43	553.87
26 05 36 00-1904 36" Radius Vertical Tees <small>(26 05 36 00-1805)</small>		
26 05 36 00-1905 EA 6" Vertical Tee, Vented Bottom, 36" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	863.32 -60.44	310.66
26 05 36 00-1906 EA 12" Vertical Tee, Vented Bottom, 36" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	1,045.69 -69.98	415.03
26 05 36 00-1907 EA 18" Vertical Tee, Vented Bottom, 36" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	1,120.03 -74.30	452.39
26 05 36 00-1908 EA 24" Vertical Tee, Vented Bottom, 36" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	1,221.36 -80.57	498.87
26 05 36 00-1909 EA 30" Vertical Tee, Vented Bottom, 36" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	1,373.07 -91.15	553.87
26 05 36 00-1910 EA 36" Vertical Tee, Vented Bottom, 36" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	1,640.42 -104.82	710.65
26 05 36 00-1911 12" Radius Horizontal Crosses <small>(26 05 36 00-1805)</small>		
26 05 36 00-1912 EA 6" Horizontal Cross, Vented Bottom, 12" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	643.59 -38.42	311.28
26 05 36 00-1913 EA 12" Horizontal Cross, Vented Bottom, 12" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	719.58 -42.28	356.10
26 05 36 00-1914 EA 18" Horizontal Cross, Vented Bottom, 12" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	832.11 -48.62	415.03
26 05 36 00-1915 EA 24" Horizontal Cross, Vented Bottom, 12" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	976.33 -56.20	497.21
26 05 36 00-1916 EA 30" Horizontal Cross, Vented Bottom, 12" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	1,085.43 -62.55	551.90
26 05 36 00-1917 EA 36" Horizontal Cross, Vented Bottom, 12" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	1,223.57 -70.48	622.55
26 05 36 00-1918 24" Radius Horizontal Crosses <small>(26 05 36 00-1805)</small>		
26 05 36 00-1919 EA 6" Horizontal Cross, Vented Bottom, 24" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	789.17 -49.24	356.10
26 05 36 00-1920 EA 12" Horizontal Cross, Vented Bottom, 24" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	896.91 -55.10	415.03
26 05 36 00-1921 EA 18" Horizontal Cross, Vented Bottom, 24" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	1,054.32 -63.99	497.21
26 05 36 00-1922 EA 24" Horizontal Cross, Vented Bottom, 24" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	1,324.36 -80.56	622.55
26 05 36 00-1923 EA 30" Horizontal Cross, Vented Bottom, 24" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	1,501.23 -90.90	710.65
26 05 36 00-1924 EA 36" Horizontal Cross, Vented Bottom, 24" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	1,715.74 -102.59	827.89

26 Electrical**26 05 Common Work Results For Electrical****26 05 36 Cable Trays For Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1925 36" Radius Horizontal Crosses <small>(26 05 36 00-1805)</small>		
26 05 36 00-1926 EA 6" Horizontal Cross, Vented Bottom, 36" Radius, Steel Cable Tray.....	1,021.69	415.03
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-67.58	
26 05 36 00-1927 EA 12" Horizontal Cross, Vented Bottom, 36" Radius, Steel Cable Tray.....	1,178.17	498.87
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-76.25	
26 05 36 00-1928 EA 18" Horizontal Cross, Vented Bottom, 36" Radius, Steel Cable Tray.....	1,391.55	622.55
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-87.28	
26 05 36 00-1929 EA 24" Horizontal Cross, Vented Bottom, 36" Radius, Steel Cable Tray.....	1,813.10	832.25
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-111.95	
26 05 36 00-1930 EA 30" Horizontal Cross, Vented Bottom, 36" Radius, Steel Cable Tray.....	2,130.75	997.64
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-129.94	
26 05 36 00-1931 EA 36" Horizontal Cross, Vented Bottom, 36" Radius, Steel Cable Tray.....	2,579.12	1,245.11
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-154.15	
26 05 36 00-1932 Straight Reducers <small>(26 05 36 00-1805)</small>		
26 05 36 00-1933 EA 12"-6" Reducer, Vented Bottom, Steel Cable Tray	237.30	106.04
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-14.89	
26 05 36 00-1934 EA 18"-12" Reducer, Vented Bottom, Steel Cable Tray	260.40	118.49
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-16.17	
26 05 36 00-1935 EA 24"-18" Reducer, Vented Bottom, Steel Cable Tray	297.36	138.11
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-18.23	
26 05 36 00-1936 EA 30"-24" Reducer, Vented Bottom, Steel Cable Tray	328.98	155.64
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-19.93	
26 05 36 00-1937 EA 36"-30" Reducer, Vented Bottom, Steel Cable Tray	360.07	171.41
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-21.72	
26 05 36 00-1938 Reducers <small>(26 05 36 00-1805)</small>		
26 05 36 00-1939 EA 18"-6" Reducer, Vented Bottom, Steel Cable Tray	260.40	118.49
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-16.17	
26 05 36 00-1940 EA 24"-12" Reducer, Vented Bottom, Steel Cable Tray	296.56	138.31
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-18.13	
26 05 36 00-1941 EA 30"-12" Reducer, Vented Bottom, Steel Cable Tray	327.53	155.43
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-19.80	
26 05 36 00-1942 EA 30"-18" Reducer, Vented Bottom, Steel Cable Tray	328.47	155.33
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-19.90	
26 05 36 00-1943 EA 36"-12" Reducer, Vented Bottom, Steel Cable Tray	358.87	171.41
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-21.60	
26 05 36 00-1944 EA 36"-18" Reducer, Vented Bottom, Steel Cable Tray	360.07	171.41
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-21.72	
26 05 36 00-1945 EA 36"-24" Reducer, Vented Bottom, Steel Cable Tray	361.90	171.83
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-21.87	
26 05 36 00-1946 Dropout Or End Plate <small>(26 05 36 00-1805)</small>		
26 05 36 00-1947 EA 6" Dropout Or End Plate, Vented Bottom, Steel Cable Tray	78.27	38.29
26 05 36 00-1948 EA 12" Dropout Or End Plate, Vented Bottom, Steel Cable Tray	92.52	44.93
26 05 36 00-1949 EA 18" Dropout Or End Plate, Vented Bottom, Steel Cable Tray	102.05	49.60
26 05 36 00-1950 EA 24" Dropout Or End Plate, Vented Bottom, Steel Cable Tray	114.50	55.30
26 05 36 00-1951 EA 30" Dropout Or End Plate, Vented Bottom, Steel Cable Tray	127.52	62.15
26 05 36 00-1952 EA 36" Dropout Or End Plate, Vented Bottom, Steel Cable Tray	150.28	74.29
26 05 36 00-1953 Vented Bottom Aluminum Cable Tray <small>(26 05 36 00-1797)</small>		
26 05 36 00-1954 LF 6" Vented Bottom Aluminum Cable Tray, Straight Section	24.97	8.09
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-1.82	
26 05 36 00-1955 LF 9" Vented Bottom Aluminum Cable Tray, Straight Section	27.61	8.93
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-2.02	
26 05 36 00-1956 LF 12" Vented Bottom Aluminum Cable Tray, Straight Section	30.90	9.96
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-2.26	
26 05 36 00-1957 LF 18" Vented Bottom Aluminum Cable Tray, Straight Section	35.71	11.10
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-2.64	
26 05 36 00-1958 LF 24" Vented Bottom Aluminum Cable Tray, Straight Section	40.70	12.35
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-3.04	
26 05 36 00-1959 LF 30" Vented Bottom Aluminum Cable Tray, Straight Section	50.81	14.22
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-3.90	
26 05 36 00-1960 LF 36" Vented Bottom Aluminum Cable Tray, Straight Section	57.06	16.71
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-4.32	
26 05 36 00-1961 Vented Bottom Aluminum Cable Tray Fittings <small>(26 05 36 00-1797)</small>		
26 05 36 00-1962 90 Degree, 12" Radius Horizontal Elbows <small>(26 05 36 00-1961)</small>		
26 05 36 00-1963 EA 6" Horizontal 90 Degree Elbow, Vented Bottom, 12" Radius, Aluminum Cable Tray.....	293.41	131.15
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-18.41	
26 05 36 00-1964 EA 9" Horizontal 90 Degree Elbow, Vented Bottom, 12" Radius, Aluminum Cable Tray.....	318.72	142.35
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-20.01	
26 05 36 00-1965 EA 12" Horizontal 90 Degree Elbow, Vented Bottom, 12" Radius, Aluminum Cable Tray.....	353.97	160.31
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-22.04	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1966 EA 18" Horizontal 90 Degree Elbow, Vented Bottom, 12" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	397.05 -24.90	177.64
26 05 36 00-1967 EA 24" Horizontal 90 Degree Elbow, Vented Bottom, 12" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	478.49 -29.79	216.76
26 05 36 00-1968 EA 30" Horizontal 90 Degree Elbow, Vented Bottom, 12" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	560.04 -35.22	249.44
26 05 36 00-1969 EA 36" Horizontal 90 Degree Elbow, Vented Bottom, 12" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	618.94 -38.82	276.94
26 05 36 00-1970 90 Degree, 24" Radius Horizontal Elbows <small>(26 05 36 00-1961)</small>		
26 05 36 00-1971 EA 6" Horizontal 90 Degree Elbow, Vented Bottom, 24" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	338.90 -22.37	138.21
26 05 36 00-1972 EA 12" Horizontal 90 Degree Elbow, Vented Bottom, 24" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	413.29 -27.01	171.83
26 05 36 00-1973 EA 18" Horizontal 90 Degree Elbow, Vented Bottom, 24" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	465.96 -30.62	191.64
26 05 36 00-1974 EA 24" Horizontal 90 Degree Elbow, Vented Bottom, 24" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	561.96 -36.45	236.88
26 05 36 00-1975 EA 30" Horizontal 90 Degree Elbow, Vented Bottom, 24" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	650.93 -42.10	276.00
26 05 36 00-1976 EA 36" Horizontal 90 Degree Elbow, Vented Bottom, 24" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	725.00 -46.56	311.28
26 05 36 00-1977 90 Degree, 36" Radius Horizontal Elbows <small>(26 05 36 00-1961)</small>		
26 05 36 00-1978 EA 6" Horizontal 90 Degree Elbow, Vented Bottom, 36" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	396.59 -27.48	146.09
26 05 36 00-1979 EA 12" Horizontal 90 Degree Elbow, Vented Bottom, 36" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	482.44 -32.86	184.59
26 05 36 00-1980 EA 18" Horizontal 90 Degree Elbow, Vented Bottom, 36" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	544.94 -37.18	207.83
26 05 36 00-1981 EA 24" Horizontal 90 Degree Elbow, Vented Bottom, 36" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	653.76 -43.54	261.99
26 05 36 00-1982 EA 30" Horizontal 90 Degree Elbow, Vented Bottom, 36" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	678.20 -46.66	253.89
26 05 36 00-1983 EA 36" Horizontal 90 Degree Elbow, Vented Bottom, 36" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	868.98 -57.29	355.38
26 05 36 00-1984 45 Degree, 12" Radius Horizontal Elbows <small>(26 05 36 00-1961)</small>		
26 05 36 00-1985 EA 6" Horizontal 45 Degree Elbow, Vented Bottom, 12" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	277.13 -16.78	131.25
26 05 36 00-1986 EA 9" Horizontal 45 Degree Elbow, Vented Bottom, 12" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	301.03 -18.23	142.56
26 05 36 00-1987 EA 12" Horizontal 45 Degree Elbow, Vented Bottom, 12" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	334.87 -20.13	160.31
26 05 36 00-1988 EA 18" Horizontal 45 Degree Elbow, Vented Bottom, 12" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	374.51 -22.66	177.43
26 05 36 00-1989 EA 24" Horizontal 45 Degree Elbow, Vented Bottom, 12" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	452.19 -27.18	216.44
26 05 36 00-1990 EA 30" Horizontal 45 Degree Elbow, Vented Bottom, 12" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	528.29 -32.04	249.44
26 05 36 00-1991 EA 36" Horizontal 45 Degree Elbow, Vented Bottom, 12" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	583.49 -35.31	276.41
26 05 36 00-1992 45 Degree, 24" Radius Horizontal Elbows <small>(26 05 36 00-1961)</small>		
26 05 36 00-1993 EA 6" Horizontal 45 Degree Elbow, Vented Bottom, 24" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	315.22 -19.99	138.31
26 05 36 00-1994 EA 12" Horizontal 45 Degree Elbow, Vented Bottom, 24" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	385.35 -24.22	171.83
26 05 36 00-1995 EA 18" Horizontal 45 Degree Elbow, Vented Bottom, 24" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	434.13 -27.42	191.95
26 05 36 00-1996 EA 24" Horizontal 45 Degree Elbow, Vented Bottom, 24" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	525.79 -32.81	237.29
26 05 36 00-1997 EA 30" Horizontal 45 Degree Elbow, Vented Bottom, 24" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	610.56 -37.98	276.94
26 05 36 00-1998 EA 36" Horizontal 45 Degree Elbow, Vented Bottom, 24" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	679.64 -42.02	311.28
26 05 36 00-1999 45 Degree, 36" Radius Horizontal Elbows <small>(26 05 36 00-1961)</small>		
26 05 36 00-2000 EA 6" Horizontal 45 Degree Elbow, Vented Bottom, 36" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	363.39 -24.14	146.40
26 05 36 00-2001 EA 12" Horizontal 45 Degree Elbow, Vented Bottom, 36" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	443.27 -28.98	184.17
26 05 36 00-2002 EA 18" Horizontal 45 Degree Elbow, Vented Bottom, 36" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	501.24 -32.81	207.83
26 05 36 00-2003 EA 24" Horizontal 45 Degree Elbow, Vented Bottom, 36" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	606.73 -38.80	262.51
26 05 36 00-2004 EA 30" Horizontal 45 Degree Elbow, Vented Bottom, 36" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	687.43 -44.32	293.12

26 Electrical**26 05 Common Work Results For Electrical****26 05 36 Cable Trays For Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-2005	EA		36" Horizontal 45 Degree Elbow, Vented Bottom, 36" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	809.45 -51.27	356.10
26 05 36 00-2006			90 Degree, 12" Radius Vertical Risers <small>(26 05 36 00-1961)</small>		
26 05 36 00-2007	EA		6" Vertical Riser 90 Degree, Vented Bottom, 12" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	309.14 -20.02	130.73
26 05 36 00-2008	EA		9" Vertical Riser 90 Degree, Vented Bottom, 12" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	333.26 -21.49	142.04
26 05 36 00-2009	EA		12" Vertical Riser 90 Degree, Vented Bottom, 12" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	364.83 -23.13	160.31
26 05 36 00-2010	EA		18" Vertical Riser 90 Degree, Vented Bottom, 12" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	397.05 -24.90	177.64
26 05 36 00-2011	EA		24" Vertical Riser 90 Degree, Vented Bottom, 12" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	473.06 -29.24	216.76
26 05 36 00-2012	EA		30" Vertical Riser 90 Degree, Vented Bottom, 12" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	532.91 -32.51	249.44
26 05 36 00-2013	EA		36" Vertical Riser 90 Degree, Vented Bottom, 12" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	579.04 -34.87	276.41
26 05 36 00-2014			90 Degree, 24" Radius Vertical Risers <small>(26 05 36 00-1961)</small>		
26 05 36 00-2015	EA		6" Vertical Riser 90 Degree, Vented Bottom, 24" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	353.01 -23.78	138.21
26 05 36 00-2016	EA		12" Vertical Riser 90 Degree, Vented Bottom, 24" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	419.80 -27.66	171.83
26 05 36 00-2017	EA		18" Vertical Riser 90 Degree, Vented Bottom, 24" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	464.88 -30.52	191.64
26 05 36 00-2018	EA		24" Vertical Riser 90 Degree, Vented Bottom, 24" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	543.03 -34.53	237.29
26 05 36 00-2019	EA		30" Vertical Riser 90 Degree, Vented Bottom, 24" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	615.94 -38.56	276.41
26 05 36 00-2020	EA		36" Vertical Riser 90 Degree, Vented Bottom, 24" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	681.59 -42.22	311.28
26 05 36 00-2021			90 Degree, 36" Radius Vertical Risers <small>(26 05 36 00-1961)</small>		
26 05 36 00-2022	EA		6" Vertical Riser 90 Degree, Vented Bottom, 36" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	395.51 -27.37	146.09
26 05 36 00-2023	EA		12" Vertical Riser 90 Degree, Vented Bottom, 36" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	470.50 -31.66	184.59
26 05 36 00-2024	EA		18" Vertical Riser 90 Degree, Vented Bottom, 36" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	528.66 -35.55	207.83
26 05 36 00-2025	EA		24" Vertical Riser 90 Degree, Vented Bottom, 36" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	634.22 -41.59	261.99
26 05 36 00-2026	EA		30" Vertical Riser 90 Degree, Vented Bottom, 36" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	705.56 -46.13	293.12
26 05 36 00-2027	EA		36" Vertical Riser 90 Degree, Vented Bottom, 36" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	815.80 -51.97	355.38
26 05 36 00-2028			12" Radius Horizontal Tees <small>(26 05 36 00-1961)</small>		
26 05 36 00-2029	EA		6" Horizontal Tee, Vented Bottom, 12" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	528.98 -32.15	249.03
26 05 36 00-2030	EA		9" Horizontal Tee, Vented Bottom, 12" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	553.91 -33.56	261.99
26 05 36 00-2031	EA		12" Horizontal Tee, Vented Bottom, 12" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	586.90 -35.69	276.00
26 05 36 00-2032	EA		18" Horizontal Tee, Vented Bottom, 12" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	667.44 -40.75	311.90
26 05 36 00-2033	EA		24" Horizontal Tee, Vented Bottom, 12" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	761.53 -46.54	355.38
26 05 36 00-2034	EA		30" Horizontal Tee, Vented Bottom, 12" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	872.97 -52.71	415.03
26 05 36 00-2035	EA		36" Horizontal Tee, Vented Bottom, 12" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	960.27 -58.32	452.39
26 05 36 00-2036			24" Radius Horizontal Tees <small>(26 05 36 00-1961)</small>		
26 05 36 00-2037	EA		6" Horizontal Tee, Vented Bottom, 24" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	634.38 -40.40	276.41
26 05 36 00-2038	EA		12" Horizontal Tee, Vented Bottom, 24" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	715.28 -45.64	310.66
26 05 36 00-2039	EA		18" Horizontal Tee, Vented Bottom, 24" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	809.29 -51.32	355.38
26 05 36 00-2040	EA		24" Horizontal Tee, Vented Bottom, 24" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	961.20 -61.63	413.90
26 05 36 00-2041	EA		30" Horizontal Tee, Vented Bottom, 24" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	1,124.44 -70.87	498.87
26 05 36 00-2042	EA		36" Horizontal Tee, Vented Bottom, 24" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	1,264.98 -80.34	553.87



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-2043 36" Radius Horizontal Tees <small>(26 05 36 00-1961)</small>		
26 05 36 00-2044 EA 6" Horizontal Tee, Vented Bottom, 36" Radius, Aluminum Cable Tray.....	797.72	311.28
For 4-5/8" Overall Height Instead Of 6", Deduct	-53.83	
26 05 36 00-2045 EA 12" Horizontal Tee, Vented Bottom, 36" Radius, Aluminum Cable Tray.....	912.39	355.38
For 4-5/8" Overall Height Instead Of 6", Deduct	-61.63	
26 05 36 00-2046 EA 18" Horizontal Tee, Vented Bottom, 36" Radius, Aluminum Cable Tray.....	941.29	346.66
For 4-5/8" Overall Height Instead Of 6", Deduct	-65.24	
26 05 36 00-2047 EA 24" Horizontal Tee, Vented Bottom, 36" Radius, Aluminum Cable Tray.....	1,252.01	497.21
For 4-5/8" Overall Height Instead Of 6", Deduct	-83.76	
26 05 36 00-2048 EA 30" Horizontal Tee, Vented Bottom, 36" Radius, Aluminum Cable Tray.....	1,492.15	625.05
For 4-5/8" Overall Height Instead Of 6", Deduct	-97.13	
26 05 36 00-2049 EA 36" Horizontal Tee, Vented Bottom, 36" Radius, Aluminum Cable Tray.....	1,705.40	710.65
For 4-5/8" Overall Height Instead Of 6", Deduct	-111.32	
26 05 36 00-2050 12" Radius Vertical Tees <small>(26 05 36 00-1961)</small>		
26 05 36 00-2051 EA 6" Vertical Tee, Vented Bottom, 12" Radius, Aluminum Cable Tray.....	571.31	249.03
For 4-5/8" Overall Height Instead Of 6", Deduct	-36.38	
26 05 36 00-2052 EA 9" Vertical Tee, Vented Bottom, 12" Radius, Aluminum Cable Tray.....	594.07	261.99
For 4-5/8" Overall Height Instead Of 6", Deduct	-37.57	
26 05 36 00-2053 EA 12" Vertical Tee, Vented Bottom, 12" Radius, Aluminum Cable Tray.....	630.04	276.41
For 4-5/8" Overall Height Instead Of 6", Deduct	-39.97	
26 05 36 00-2054 EA 18" Vertical Tee, Vented Bottom, 12" Radius, Aluminum Cable Tray.....	658.89	293.12
For 4-5/8" Overall Height Instead Of 6", Deduct	-41.46	
26 05 36 00-2055 EA 24" Vertical Tee, Vented Bottom, 12" Radius, Aluminum Cable Tray.....	692.49	310.66
For 4-5/8" Overall Height Instead Of 6", Deduct	-43.36	
26 05 36 00-2056 EA 30" Vertical Tee, Vented Bottom, 12" Radius, Aluminum Cable Tray.....	735.42	331.82
For 4-5/8" Overall Height Instead Of 6", Deduct	-45.89	
26 05 36 00-2057 EA 36" Vertical Tee, Vented Bottom, 12" Radius, Aluminum Cable Tray.....	827.26	382.35
For 4-5/8" Overall Height Instead Of 6", Deduct	-50.86	
26 05 36 00-2058 24" Radius Vertical Tees <small>(26 05 36 00-1961)</small>		
26 05 36 00-2059 EA 6" Vertical Tee, Vented Bottom, 24" Radius, Aluminum Cable Tray.....	682.14	276.41
For 4-5/8" Overall Height Instead Of 6", Deduct	-45.18	
26 05 36 00-2060 EA 12" Vertical Tee, Vented Bottom, 24" Radius, Aluminum Cable Tray.....	756.52	310.66
For 4-5/8" Overall Height Instead Of 6", Deduct	-49.76	
26 05 36 00-2061 EA 18" Vertical Tee, Vented Bottom, 24" Radius, Aluminum Cable Tray.....	808.13	331.82
For 4-5/8" Overall Height Instead Of 6", Deduct	-53.16	
26 05 36 00-2062 EA 24" Vertical Tee, Vented Bottom, 24" Radius, Aluminum Cable Tray.....	863.55	355.38
For 4-5/8" Overall Height Instead Of 6", Deduct	-56.74	
26 05 36 00-2063 EA 30" Vertical Tee, Vented Bottom, 24" Radius, Aluminum Cable Tray.....	930.37	382.35
For 4-5/8" Overall Height Instead Of 6", Deduct	-61.17	
26 05 36 00-2064 EA 36" Vertical Tee, Vented Bottom, 24" Radius, Aluminum Cable Tray.....	1,054.71	453.74
For 4-5/8" Overall Height Instead Of 6", Deduct	-67.66	
26 05 36 00-2065 36" Radius Vertical Tees <small>(26 05 36 00-1961)</small>		
26 05 36 00-2066 EA 6" Vertical Tee, Vented Bottom, 36" Radius, Aluminum Cable Tray.....	859.62	310.66
For 4-5/8" Overall Height Instead Of 6", Deduct	-60.07	
26 05 36 00-2067 EA 12" Vertical Tee, Vented Bottom, 36" Radius, Aluminum Cable Tray.....	955.80	355.38
For 4-5/8" Overall Height Instead Of 6", Deduct	-65.97	
26 05 36 00-2068 EA 18" Vertical Tee, Vented Bottom, 36" Radius, Aluminum Cable Tray.....	1,011.76	382.35
For 4-5/8" Overall Height Instead Of 6", Deduct	-69.31	
26 05 36 00-2069 EA 24" Vertical Tee, Vented Bottom, 36" Radius, Aluminum Cable Tray.....	1,095.13	416.17
For 4-5/8" Overall Height Instead Of 6", Deduct	-74.83	
26 05 36 00-2070 EA 30" Vertical Tee, Vented Bottom, 36" Radius, Aluminum Cable Tray.....	1,190.37	453.74
For 4-5/8" Overall Height Instead Of 6", Deduct	-81.22	
26 05 36 00-2071 EA 36" Vertical Tee, Vented Bottom, 36" Radius, Aluminum Cable Tray.....	1,375.67	551.90
For 4-5/8" Overall Height Instead Of 6", Deduct	-91.57	
26 05 36 00-2072 12" Radius Horizontal Crosses <small>(26 05 36 00-1961)</small>		
26 05 36 00-2073 EA 6" Horizontal Cross, Vented Bottom, 12" Radius, Aluminum Cable Tray.....	602.91	276.41
For 4-5/8" Overall Height Instead Of 6", Deduct	-37.25	
26 05 36 00-2074 EA 9" Horizontal Cross, Vented Bottom, 12" Radius, Aluminum Cable Tray.....	640.44	293.12
For 4-5/8" Overall Height Instead Of 6", Deduct	-39.62	
26 05 36 00-2075 EA 12" Horizontal Cross, Vented Bottom, 12" Radius, Aluminum Cable Tray.....	676.12	311.90
For 4-5/8" Overall Height Instead Of 6", Deduct	-41.62	
26 05 36 00-2076 EA 18" Horizontal Cross, Vented Bottom, 12" Radius, Aluminum Cable Tray.....	756.11	355.38
For 4-5/8" Overall Height Instead Of 6", Deduct	-46.00	
26 05 36 00-2077 EA 24" Horizontal Cross, Vented Bottom, 12" Radius, Aluminum Cable Tray.....	872.21	413.90
For 4-5/8" Overall Height Instead Of 6", Deduct	-52.73	
26 05 36 00-2078 EA 30" Horizontal Cross, Vented Bottom, 12" Radius, Aluminum Cable Tray.....	973.27	451.15
For 4-5/8" Overall Height Instead Of 6", Deduct	-59.73	
26 05 36 00-2079 EA 36" Horizontal Cross, Vented Bottom, 12" Radius, Aluminum Cable Tray.....	1,190.10	553.87
For 4-5/8" Overall Height Instead Of 6", Deduct	-72.85	
26 05 36 00-2080 24" Radius Horizontal Crosses <small>(26 05 36 00-1961)</small>		
26 05 36 00-2081 EA 6" Horizontal Cross, Vented Bottom, 24" Radius, Aluminum Cable Tray.....	774.88	311.90
For 4-5/8" Overall Height Instead Of 6", Deduct	-51.50	

26 Electrical**26 05 Common Work Results For Electrical****26 05 36 Cable Trays For Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-2082 EA 12" Horizontal Cross, Vented Bottom, 24" Radius, Aluminum Cable Tray.....	871.15	355.38
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-57.50	
26 05 36 00-2083 EA 18" Horizontal Cross, Vented Bottom, 24" Radius, Aluminum Cable Tray.....	990.50	413.90
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-64.56	
26 05 36 00-2084 EA 24" Horizontal Cross, Vented Bottom, 24" Radius, Aluminum Cable Tray.....	1,176.04	497.21
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-76.17	
26 05 36 00-2085 EA 30" Horizontal Cross, Vented Bottom, 24" Radius, Aluminum Cable Tray.....	1,294.27	551.90
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-83.43	
26 05 36 00-2086 EA 36" Horizontal Cross, Vented Bottom, 24" Radius, Aluminum Cable Tray.....	1,607.73	710.65
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-101.55	
26 05 36 00-2087 36" Radius Horizontal Crosses <small>(26 05 36 00-1961)</small>		
26 05 36 00-2088 EA 6" Horizontal Cross, Vented Bottom, 36" Radius, Aluminum Cable Tray.....	1,010.06	355.38
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-71.39	
26 05 36 00-2089 EA 12" Horizontal Cross, Vented Bottom, 36" Radius, Aluminum Cable Tray.....	1,138.54	416.17
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-79.18	
26 05 36 00-2090 EA 18" Horizontal Cross, Vented Bottom, 36" Radius, Aluminum Cable Tray.....	1,311.70	497.21
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-89.73	
26 05 36 00-2091 EA 24" Horizontal Cross, Vented Bottom, 36" Radius, Aluminum Cable Tray.....	1,600.68	625.05
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-107.98	
26 05 36 00-2092 EA 30" Horizontal Cross, Vented Bottom, 36" Radius, Aluminum Cable Tray.....	1,797.66	713.97
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-120.27	
26 05 36 00-2093 EA 36" Horizontal Cross, Vented Bottom, 36" Radius, Aluminum Cable Tray.....	2,085.21	827.89
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-139.53	
26 05 36 00-2094 Straight Reducers <small>(26 05 36 00-1961)</small>		
26 05 36 00-2095 EA 9"-6" Reducer, Vented Bottom, Aluminum Cable Tray.....	207.88	83.01
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-13.87	
26 05 36 00-2096 EA 12"-9" Reducer, Vented Bottom, Aluminum Cable Tray.....	218.44	87.47
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-14.56	
26 05 36 00-2097 EA 18"-12" Reducer, Vented Bottom, Aluminum Cable Tray.....	250.96	103.66
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-16.46	
26 05 36 00-2098 EA 24"-18" Reducer, Vented Bottom, Aluminum Cable Tray.....	280.83	118.39
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-18.22	
26 05 36 00-2099 EA 30"-24" Reducer, Vented Bottom, Aluminum Cable Tray.....	316.31	138.31
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-20.10	
26 05 36 00-2100 EA 36"-30" Reducer, Vented Bottom, Aluminum Cable Tray.....	347.87	155.33
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-21.84	
26 05 36 00-2101 Reducers <small>(26 05 36 00-1961)</small>		
26 05 36 00-2102 EA 12"-6" Reducer, Vented Bottom, Aluminum Cable Tray.....	218.19	87.27
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-14.55	
26 05 36 00-2103 EA 18"-6" Reducer, Vented Bottom, Aluminum Cable Tray.....	250.84	103.66
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-16.45	
26 05 36 00-2104 EA 18"-9" Reducer, Vented Bottom, Aluminum Cable Tray.....	250.84	103.66
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-16.45	
26 05 36 00-2105 EA 24"-6" Reducer, Vented Bottom, Aluminum Cable Tray.....	280.98	118.49
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-18.23	
26 05 36 00-2106 EA 24"-9" Reducer, Vented Bottom, Aluminum Cable Tray.....	280.98	118.49
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-18.23	
26 05 36 00-2107 EA 24"-12" Reducer, Vented Bottom, Aluminum Cable Tray.....	281.28	118.59
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-18.24	
26 05 36 00-2108 EA 30"-12" Reducer, Vented Bottom, Aluminum Cable Tray.....	318.28	138.21
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-20.31	
26 05 36 00-2109 EA 30"-18" Reducer, Vented Bottom, Aluminum Cable Tray.....	315.91	138.11
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-20.08	
26 05 36 00-2110 EA 36"-12" Reducer, Vented Bottom, Aluminum Cable Tray.....	347.87	155.33
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-21.84	
26 05 36 00-2111 EA 36"-18" Reducer, Vented Bottom, Aluminum Cable Tray.....	347.87	155.33
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-21.84	
26 05 36 00-2112 EA 36"-24" Reducer, Vented Bottom, Aluminum Cable Tray.....	348.38	155.64
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-21.87	
26 05 36 00-2113 Dropout Or End Plate <small>(26 05 36 00-1961)</small>		
26 05 36 00-2114 EA 6" Dropout Or End Plate, Vented Bottom, Aluminum Cable Tray.....	78.03	38.29
26 05 36 00-2115 EA 9" Dropout Or End Plate, Vented Bottom, Aluminum Cable Tray.....	85.13	41.81
26 05 36 00-2116 EA 12" Dropout Or End Plate, Vented Bottom, Aluminum Cable Tray.....	91.64	44.93
26 05 36 00-2117 EA 18" Dropout Or End Plate, Vented Bottom, Aluminum Cable Tray.....	102.91	49.60
26 05 36 00-2118 EA 24" Dropout Or End Plate, Vented Bottom, Aluminum Cable Tray.....	116.66	55.30
26 05 36 00-2119 EA 30" Dropout Or End Plate, Vented Bottom, Aluminum Cable Tray.....	129.69	62.15
26 05 36 00-2120 EA 36" Dropout Or End Plate, Vented Bottom, Aluminum Cable Tray.....	148.46	71.18
26 05 36 00-2121 Covers And Dividers <small>(26 05 36 00-0001)</small>		
26 05 36 00-2122 Galvanized Steel Covers <small>(26 05 36 00-2121)</small>		
26 05 36 00-2123 Ventilated Straight Sections <small>(26 05 36 00-2122)</small>		
26 05 36 00-2124 LF 6" Steel Cable Tray Cover, Straight Section.....	6.95	1.86



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-2125 LF 9" Steel Cable Tray Cover, Straight Section	8.31	2.18
26 05 36 00-2126 LF 12" Steel Cable Tray Cover, Straight Section	9.72	2.49
26 05 36 00-2127 LF 18" Steel Cable Tray Cover, Straight Section	13.15	3.32
26 05 36 00-2128 LF 24" Steel Cable Tray Cover, Straight Section	16.84	4.46
26 05 36 00-2129 LF 30" Steel Cable Tray Cover, Straight Section	20.49	5.50
26 05 36 00-2130 LF 36" Steel Cable Tray Cover, Straight Section	116.87	62.36
26 05 36 00-2131 90 Degree, 12" Radius Horizontal Elbows <small>(26 05 36 00-2122)</small>		
26 05 36 00-2132 EA 6" Horizontal 90 Degree Elbow, 12" Radius, Steel Cable Tray Cover	39.31	6.64
26 05 36 00-2133 EA 9" Horizontal 90 Degree Elbow, 12" Radius, Steel Cable Tray Cover	44.17	7.78
26 05 36 00-2134 EA 12" Horizontal 90 Degree Elbow, 12" Radius, Steel Cable Tray Cover	48.32	9.24
26 05 36 00-2135 EA 18" Horizontal 90 Degree Elbow, 12" Radius, Steel Cable Tray Cover	65.30	11.83
26 05 36 00-2136 EA 24" Horizontal 90 Degree Elbow, 12" Radius, Steel Cable Tray Cover	80.32	15.05
26 05 36 00-2137 EA 30" Horizontal 90 Degree Elbow, 12" Radius, Steel Cable Tray Cover	96.15	16.71
26 05 36 00-2138 EA 36" Horizontal 90 Degree Elbow, 12" Radius, Steel Cable Tray Cover	116.03	19.93
26 05 36 00-2139 90 Degree, 24" Radius Horizontal Elbows <small>(26 05 36 00-2122)</small>		
26 05 36 00-2140 EA 6" Horizontal 90 Degree Elbow, 24" Radius, Steel Cable Tray Cover	59.02	7.36
26 05 36 00-2141 EA 9" Horizontal 90 Degree Elbow, 24" Radius, Steel Cable Tray Cover	62.31	8.62
26 05 36 00-2142 EA 12" Horizontal 90 Degree Elbow, 24" Radius, Steel Cable Tray Cover	70.73	10.38
26 05 36 00-2143 EA 18" Horizontal 90 Degree Elbow, 24" Radius, Steel Cable Tray Cover	87.88	13.17
26 05 36 00-2144 EA 24" Horizontal 90 Degree Elbow, 24" Radius, Steel Cable Tray Cover	108.10	16.60
26 05 36 00-2145 EA 30" Horizontal 90 Degree Elbow, 24" Radius, Steel Cable Tray Cover	137.50	19.09
26 05 36 00-2146 EA 36" Horizontal 90 Degree Elbow, 24" Radius, Steel Cable Tray Cover	160.16	22.62
26 05 36 00-2147 90 Degree, 36" Radius Horizontal Elbows <small>(26 05 36 00-2122)</small>		
26 05 36 00-2148 EA 6" Horizontal 90 Degree Elbow, 36" Radius, Steel Cable Tray Cover	82.15	8.30
26 05 36 00-2149 EA 9" Horizontal 90 Degree Elbow, 36" Radius, Steel Cable Tray Cover	91.57	9.55
26 05 36 00-2150 EA 12" Horizontal 90 Degree Elbow, 36" Radius, Steel Cable Tray Cover	100.14	11.83
26 05 36 00-2151 EA 18" Horizontal 90 Degree Elbow, 36" Radius, Steel Cable Tray Cover	126.25	13.80
26 05 36 00-2152 EA 24" Horizontal 90 Degree Elbow, 36" Radius, Steel Cable Tray Cover	154.31	19.19
26 05 36 00-2153 EA 30" Horizontal 90 Degree Elbow, 36" Radius, Steel Cable Tray Cover	181.28	21.69
26 05 36 00-2154 EA 36" Horizontal 90 Degree Elbow, 36" Radius, Steel Cable Tray Cover	211.81	24.90
26 05 36 00-2155 45 Degree, 12" Radius Horizontal Elbows <small>(26 05 36 00-2122)</small>		
26 05 36 00-2156 EA 6" Horizontal 45 Degree Elbow, 12" Radius, Steel Cable Tray Cover	31.16	6.64
<i>For 60 Degree Bend, Deduct</i>	-7.73	
<i>For 30 Degree Bend, Deduct</i>	-13.25	
26 05 36 00-2157 EA 9" Horizontal 45 Degree Elbow, 12" Radius, Steel Cable Tray Cover	36.97	7.78
<i>For 60 Degree Bend, Deduct</i>	-9.22	
<i>For 30 Degree Bend, Deduct</i>	-15.79	
26 05 36 00-2158 EA 12" Horizontal 45 Degree Elbow, 12" Radius, Steel Cable Tray Cover	41.72	9.24
<i>For 60 Degree Bend, Deduct</i>	-10.24	
<i>For 30 Degree Bend, Deduct</i>	-17.58	
26 05 36 00-2159 EA 18" Horizontal 45 Degree Elbow, 12" Radius, Steel Cable Tray Cover	50.64	11.31
<i>For 60 Degree Bend, Deduct</i>	-12.38	
<i>For 30 Degree Bend, Deduct</i>	-21.26	
26 05 36 00-2160 EA 24" Horizontal 45 Degree Elbow, 12" Radius, Steel Cable Tray Cover	59.08	13.07
<i>For 60 Degree Bend, Deduct</i>	-14.46	
<i>For 30 Degree Bend, Deduct</i>	-24.84	
26 05 36 00-2161 EA 30" Horizontal 45 Degree Elbow, 12" Radius, Steel Cable Tray Cover	68.94	15.05
<i>For 60 Degree Bend, Deduct</i>	-16.97	
<i>For 30 Degree Bend, Deduct</i>	-29.11	
26 05 36 00-2162 EA 36" Horizontal 45 Degree Elbow, 12" Radius, Steel Cable Tray Cover	76.87	16.60
<i>For 60 Degree Bend, Deduct</i>	-19.00	
<i>For 30 Degree Bend, Deduct</i>	-32.59	
26 05 36 00-2163 45 Degree, 24" Radius Horizontal Elbows <small>(26 05 36 00-2122)</small>		
26 05 36 00-2164 EA 6" Horizontal 45 Degree Elbow, 24" Radius, Steel Cable Tray Cover	41.64	7.36
<i>For 60 Degree Bend, Deduct</i>	-10.93	
<i>For 30 Degree Bend, Deduct</i>	-18.62	
26 05 36 00-2165 EA 9" Horizontal 45 Degree Elbow, 24" Radius, Steel Cable Tray Cover	47.32	8.62
<i>For 60 Degree Bend, Deduct</i>	-12.32	
<i>For 30 Degree Bend, Deduct</i>	-21.01	
26 05 36 00-2166 EA 12" Horizontal 45 Degree Elbow, 24" Radius, Steel Cable Tray Cover	54.54	10.38
<i>For 60 Degree Bend, Deduct</i>	-14.01	
<i>For 30 Degree Bend, Deduct</i>	-23.93	
26 05 36 00-2167 EA 18" Horizontal 45 Degree Elbow, 24" Radius, Steel Cable Tray Cover	63.39	12.45
<i>For 60 Degree Bend, Deduct</i>	-16.14	
<i>For 30 Degree Bend, Deduct</i>	-27.59	
26 05 36 00-2168 EA 24" Horizontal 45 Degree Elbow, 24" Radius, Steel Cable Tray Cover	72.95	14.22
<i>For 60 Degree Bend, Deduct</i>	-18.61	
<i>For 30 Degree Bend, Deduct</i>	-31.81	
26 05 36 00-2169 EA 30" Horizontal 45 Degree Elbow, 24" Radius, Steel Cable Tray Cover	90.13	16.60
<i>For 60 Degree Bend, Deduct</i>	-23.36	
<i>For 30 Degree Bend, Deduct</i>	-39.86	

26 Electrical**26 05 Common Work Results For Electrical****26 05 36 Cable Trays For Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-2170	EA		36" Horizontal 45 Degree Elbow, 24" Radius, Steel Cable Tray Cover.....	100.35	19.19
			<i>For 60 Degree Bend, Deduct</i>	-25.76	
			<i>For 30 Degree Bend, Deduct</i>	-44.01	
26 05 36 00-2171			45 Degree, 36" Radius Horizontal Elbows (26 05 36 00-2122)		
26 05 36 00-2172	EA		6" Horizontal 45 Degree Elbow, 36" Radius, Steel Cable Tray Cover.....	56.39	8.30
			<i>For 60 Degree Bend, Deduct</i>	-15.44	
			<i>For 30 Degree Bend, Deduct</i>	-26.19	
26 05 36 00-2173	EA		9" Horizontal 45 Degree Elbow, 36" Radius, Steel Cable Tray Cover.....	63.97	9.55
			<i>For 60 Degree Bend, Deduct</i>	-17.43	
			<i>For 30 Degree Bend, Deduct</i>	-29.59	
26 05 36 00-2174	EA		12" Horizontal 45 Degree Elbow, 36" Radius, Steel Cable Tray Cover.....	72.48	11.83
			<i>For 60 Degree Bend, Deduct</i>	-19.39	
			<i>For 30 Degree Bend, Deduct</i>	-32.97	
26 05 36 00-2175	EA		18" Horizontal 45 Degree Elbow, 36" Radius, Steel Cable Tray Cover.....	82.51	13.17
			<i>For 60 Degree Bend, Deduct</i>	-22.19	
			<i>For 30 Degree Bend, Deduct</i>	-37.71	
26 05 36 00-2176	EA		24" Horizontal 45 Degree Elbow, 36" Radius, Steel Cable Tray Cover.....	100.59	16.08
			<i>For 60 Degree Bend, Deduct</i>	-27.03	
			<i>For 30 Degree Bend, Deduct</i>	-45.94	
26 05 36 00-2177	EA		30" Horizontal 45 Degree Elbow, 36" Radius, Steel Cable Tray Cover.....	112.35	19.19
			<i>For 60 Degree Bend, Deduct</i>	-29.72	
			<i>For 30 Degree Bend, Deduct</i>	-50.61	
26 05 36 00-2178	EA		36" Horizontal 45 Degree Elbow, 36" Radius, Steel Cable Tray Cover.....	131.80	20.75
			<i>For 60 Degree Bend, Deduct</i>	-35.53	
			<i>For 30 Degree Bend, Deduct</i>	-60.38	
26 05 36 00-2179			90 Degree, 12" Radius Vertical Risers (26 05 36 00-2122)		
26 05 36 00-2180	EA		6" Vertical Riser 90 Degree, 12" Radius, Steel Cable Tray Cover	34.60	6.64
26 05 36 00-2181	EA		9" Vertical Riser 90 Degree, 12" Radius, Steel Cable Tray Cover	36.97	7.78
26 05 36 00-2182	EA		12" Vertical Riser 90 Degree, 12" Radius, Steel Cable Tray Cover	41.12	9.24
26 05 36 00-2183	EA		18" Vertical Riser 90 Degree, 12" Radius, Steel Cable Tray Cover	48.27	11.31
26 05 36 00-2184	EA		24" Vertical Riser 90 Degree, 12" Radius, Steel Cable Tray Cover	54.40	14.63
26 05 36 00-2185	EA		30" Vertical Riser 90 Degree, 12" Radius, Steel Cable Tray Cover	60.76	16.71
26 05 36 00-2186	EA		36" Vertical Riser 90 Degree, 12" Radius, Steel Cable Tray Cover	75.77	19.93
26 05 36 00-2187			90 Degree, 24" Radius Vertical Risers (26 05 36 00-2122)		
26 05 36 00-2188	EA		6" Vertical Riser 90 Degree, 24" Radius, Steel Cable Tray Cover	41.03	7.36
26 05 36 00-2189	EA		9" Vertical Riser 90 Degree, 24" Radius, Steel Cable Tray Cover	46.12	8.62
26 05 36 00-2190	EA		12" Vertical Riser 90 Degree, 24" Radius, Steel Cable Tray Cover	50.34	10.38
26 05 36 00-2191	EA		18" Vertical Riser 90 Degree, 24" Radius, Steel Cable Tray Cover	64.54	12.45
26 05 36 00-2192	EA		24" Vertical Riser 90 Degree, 24" Radius, Steel Cable Tray Cover	75.96	16.08
26 05 36 00-2193	EA		30" Vertical Riser 90 Degree, 24" Radius, Steel Cable Tray Cover	87.71	19.19
26 05 36 00-2194	EA		36" Vertical Riser 90 Degree, 24" Radius, Steel Cable Tray Cover	101.36	22.62
26 05 36 00-2195			90 Degree, 36" Radius Vertical Risers (26 05 36 00-2122)		
26 05 36 00-2196	EA		6" Vertical Riser 90 Degree, 36" Radius, Steel Cable Tray Cover	47.36	8.30
26 05 36 00-2197	EA		9" Vertical Riser 90 Degree, 36" Radius, Steel Cable Tray Cover	58.58	9.55
26 05 36 00-2198	EA		12" Vertical Riser 90 Degree, 36" Radius, Steel Cable Tray Cover	67.74	11.83
26 05 36 00-2199	EA		18" Vertical Riser 90 Degree, 36" Radius, Steel Cable Tray Cover	82.51	13.17
26 05 36 00-2200	EA		24" Vertical Riser 90 Degree, 36" Radius, Steel Cable Tray Cover	97.86	18.36
26 05 36 00-2201	EA		30" Vertical Riser 90 Degree, 36" Radius, Steel Cable Tray Cover	116.49	21.69
26 05 36 00-2202	EA		36" Vertical Riser 90 Degree, 36" Radius, Steel Cable Tray Cover	136.22	24.90
26 05 36 00-2203			12" Radius Horizontal Tees (26 05 36 00-2122)		
26 05 36 00-2204	EA		6" Horizontal Tee, 12" Radius, Steel Cable Tray Cover.....	60.65	10.79
26 05 36 00-2205	EA		9" Horizontal Tee, 12" Radius, Steel Cable Tray Cover.....	64.54	12.45
26 05 36 00-2206	EA		12" Horizontal Tee, 12" Radius, Steel Cable Tray Cover.....	73.52	14.63
26 05 36 00-2207	EA		18" Horizontal Tee, 12" Radius, Steel Cable Tray Cover.....	87.73	16.60
26 05 36 00-2208	EA		24" Horizontal Tee, 12" Radius, Steel Cable Tray Cover.....	107.55	19.19
26 05 36 00-2209	EA		30" Horizontal Tee, 12" Radius, Steel Cable Tray Cover.....	134.82	27.60
26 05 36 00-2210	EA		36" Horizontal Tee, 12" Radius, Steel Cable Tray Cover.....	162.01	33.10
26 05 36 00-2211			24" Radius Horizontal Tees (26 05 36 00-2122)		
26 05 36 00-2212	EA		6" Horizontal Tee, 24" Radius, Steel Cable Tray Cover.....	86.06	11.31
26 05 36 00-2213	EA		9" Horizontal Tee, 24" Radius, Steel Cable Tray Cover.....	98.70	13.17
26 05 36 00-2214	EA		12" Horizontal Tee, 24" Radius, Steel Cable Tray Cover.....	105.10	15.57
26 05 36 00-2215	EA		18" Horizontal Tee, 24" Radius, Steel Cable Tray Cover.....	131.66	17.84
26 05 36 00-2216	EA		24" Horizontal Tee, 24" Radius, Steel Cable Tray Cover.....	190.48	20.75
26 05 36 00-2217	EA		30" Horizontal Tee, 24" Radius, Steel Cable Tray Cover.....	229.50	31.13
26 05 36 00-2218	EA		36" Horizontal Tee, 24" Radius, Steel Cable Tray Cover.....	259.39	38.29
26 05 36 00-2219			36" Radius Horizontal Tees (26 05 36 00-2122)		
26 05 36 00-2220	EA		6" Horizontal Tee, 36" Radius, Steel Cable Tray Cover.....	140.91	11.83



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-2221 EA 9" Horizontal Tee, 36" Radius, Steel Cable Tray Cover.....	146.62	13.80
26 05 36 00-2222 EA 12" Horizontal Tee, 36" Radius, Steel Cable Tray Cover.....	164.48	16.60
26 05 36 00-2223 EA 18" Horizontal Tee, 36" Radius, Steel Cable Tray Cover.....	192.79	19.19
26 05 36 00-2224 EA 24" Horizontal Tee, 36" Radius, Steel Cable Tray Cover.....	248.95	22.62
26 05 36 00-2225 EA 30" Horizontal Tee, 36" Radius, Steel Cable Tray Cover.....	288.61	35.69
26 05 36 00-2226 EA 36" Horizontal Tee, 36" Radius, Steel Cable Tray Cover.....	335.60	45.13
26 05 36 00-2227 12" Radius Horizontal Crosses <small>(26 05 36 00-2122)</small>		
26 05 36 00-2228 EA 6" Horizontal Cross, 12" Radius, Steel Cable Tray Cover.....	87.97	14.63
26 05 36 00-2229 EA 9" Horizontal Cross, 12" Radius, Steel Cable Tray Cover.....	93.13	15.57
26 05 36 00-2230 EA 12" Horizontal Cross, 12" Radius, Steel Cable Tray Cover.....	102.73	16.60
26 05 36 00-2231 EA 18" Horizontal Cross, 12" Radius, Steel Cable Tray Cover.....	120.75	19.19
26 05 36 00-2232 EA 24" Horizontal Cross, 12" Radius, Steel Cable Tray Cover.....	153.98	27.60
26 05 36 00-2233 EA 30" Horizontal Cross, 12" Radius, Steel Cable Tray Cover.....	178.75	33.10
26 05 36 00-2234 EA 36" Horizontal Cross, 12" Radius, Steel Cable Tray Cover.....	203.23	35.59
26 05 36 00-2235 24" Radius Horizontal Crosses <small>(26 05 36 00-2122)</small>		
26 05 36 00-2236 EA 6" Horizontal Cross, 24" Radius, Steel Cable Tray Cover.....	147.16	15.57
26 05 36 00-2237 EA 9" Horizontal Cross, 24" Radius, Steel Cable Tray Cover.....	159.69	16.60
26 05 36 00-2238 EA 12" Horizontal Cross, 24" Radius, Steel Cable Tray Cover.....	171.25	17.84
26 05 36 00-2239 EA 18" Horizontal Cross, 24" Radius, Steel Cable Tray Cover.....	203.68	20.75
26 05 36 00-2240 EA 24" Horizontal Cross, 24" Radius, Steel Cable Tray Cover.....	258.26	31.13
26 05 36 00-2241 EA 30" Horizontal Cross, 24" Radius, Steel Cable Tray Cover.....	296.50	38.29
26 05 36 00-2242 EA 36" Horizontal Cross, 24" Radius, Steel Cable Tray Cover.....	330.59	41.40
26 05 36 00-2243 36" Radius Horizontal Crosses <small>(26 05 36 00-2122)</small>		
26 05 36 00-2244 EA 6" Horizontal Cross, 36" Radius, Steel Cable Tray Cover.....	230.48	16.60
26 05 36 00-2245 EA 9" Horizontal Cross, 36" Radius, Steel Cable Tray Cover.....	239.65	17.84
26 05 36 00-2246 EA 12" Horizontal Cross, 36" Radius, Steel Cable Tray Cover.....	252.78	19.19
26 05 36 00-2247 EA 18" Horizontal Cross, 36" Radius, Steel Cable Tray Cover.....	292.14	22.62
26 05 36 00-2248 EA 24" Horizontal Cross, 36" Radius, Steel Cable Tray Cover.....	383.36	35.59
26 05 36 00-2249 EA 30" Horizontal Cross, 36" Radius, Steel Cable Tray Cover.....	423.52	45.34
26 05 36 00-2250 EA 36" Horizontal Cross, 36" Radius, Steel Cable Tray Cover.....	454.97	49.81
26 05 36 00-2251 Reducers <small>(26 05 36 00-2122)</small>		
26 05 36 00-2252 EA 9"-6" Reducer, Steel Cable Tray Covers.....	39.97	7.78
26 05 36 00-2253 EA 12"-6" Reducer, Steel Cable Tray Covers.....	43.56	9.24
26 05 36 00-2254 EA 12"-9" Reducer, Steel Cable Tray Covers.....	43.56	9.24
26 05 36 00-2255 EA 18"-6" Reducer, Steel Cable Tray Covers.....	48.86	11.31
26 05 36 00-2256 EA 18"-12" Reducer, Steel Cable Tray Covers.....	48.86	11.31
26 05 36 00-2257 EA 24"-12" Reducer, Steel Cable Tray Covers.....	59.15	12.45
26 05 36 00-2258 EA 24"-18" Reducer, Steel Cable Tray Covers.....	62.75	12.45
26 05 36 00-2259 EA 30"-12" Reducer, Steel Cable Tray Covers.....	62.13	14.22
26 05 36 00-2260 EA 30"-18" Reducer, Steel Cable Tray Covers.....	65.73	14.22
26 05 36 00-2261 EA 30"-24" Reducer, Steel Cable Tray Covers.....	68.12	14.22
26 05 36 00-2262 EA 36"-12" Reducer, Steel Cable Tray Covers.....	71.48	15.57
26 05 36 00-2263 EA 36"-18" Reducer, Steel Cable Tray Covers.....	72.68	15.57
26 05 36 00-2264 EA 36"-24" Reducer, Steel Cable Tray Covers.....	73.88	15.57
26 05 36 00-2265 EA 36"-30" Reducer, Steel Cable Tray Covers.....	74.48	15.57
26 05 36 00-2266 Aluminum Covers <small>(26 05 36 00-2121)</small>		
26 05 36 00-2267 Ventilated Straight Sections <small>(26 05 36 00-2266)</small>		
26 05 36 00-2268 LF 6" Aluminum Cable Tray Cover, Straight Section	6.48	1.86
26 05 36 00-2269 LF 9" Aluminum Cable Tray Cover, Straight Section	7.65	2.18
26 05 36 00-2270 LF 12" Aluminum Cable Tray Cover, Straight Section	8.92	2.49
26 05 36 00-2271 LF 18" Aluminum Cable Tray Cover, Straight Section	11.88	3.32
26 05 36 00-2272 LF 24" Aluminum Cable Tray Cover, Straight Section	15.46	4.46
26 05 36 00-2273 LF 30" Aluminum Cable Tray Cover, Straight Section	17.95	5.50
26 05 36 00-2274 LF 36" Aluminum Cable Tray Cover, Straight Section	113.25	62.36
26 05 36 00-2275 90 Degree, 12" Radius Horizontal Elbows <small>(26 05 36 00-2266)</small>		
26 05 36 00-2276 EA 6" Horizontal 90 Degree Elbow, 12" Radius, Aluminum Cable Tray Cover.....	36.07	6.64
26 05 36 00-2277 EA 9" Horizontal 90 Degree Elbow, 12" Radius, Aluminum Cable Tray Cover.....	39.02	7.78
26 05 36 00-2278 EA 12" Horizontal 90 Degree Elbow, 12" Radius, Aluminum Cable Tray Cover.....	43.54	9.24
26 05 36 00-2279 EA 18" Horizontal 90 Degree Elbow, 12" Radius, Aluminum Cable Tray Cover.....	56.61	11.83
26 05 36 00-2280 EA 24" Horizontal 90 Degree Elbow, 12" Radius, Aluminum Cable Tray Cover.....	71.80	15.05
26 05 36 00-2281 EA 30" Horizontal 90 Degree Elbow, 12" Radius, Aluminum Cable Tray Cover.....	83.65	16.71
26 05 36 00-2282 EA 36" Horizontal 90 Degree Elbow, 12" Radius, Aluminum Cable Tray Cover.....	101.61	19.93
26 05 36 00-2283 90 Degree, 24" Radius Horizontal Elbows <small>(26 05 36 00-2266)</small>		
26 05 36 00-2284 EA 6" Horizontal 90 Degree Elbow, 24" Radius, Aluminum Cable Tray Cover.....	46.42	7.36
26 05 36 00-2285 EA 9" Horizontal 90 Degree Elbow, 24" Radius, Aluminum Cable Tray Cover.....	56.65	8.62

26 Electrical**26 05 Common Work Results For Electrical****26 05 36 Cable Trays For Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-2286 EA 12" Horizontal 90 Degree Elbow, 24" Radius, Aluminum Cable Tray Cover.....	64.01	10.38
26 05 36 00-2287 EA 18" Horizontal 90 Degree Elbow, 24" Radius, Aluminum Cable Tray Cover.....	77.24	13.17
26 05 36 00-2288 EA 24" Horizontal 90 Degree Elbow, 24" Radius, Aluminum Cable Tray Cover.....	96.08	16.60
26 05 36 00-2289 EA 30" Horizontal 90 Degree Elbow, 24" Radius, Aluminum Cable Tray Cover.....	115.48	19.09
26 05 36 00-2290 EA 36" Horizontal 90 Degree Elbow, 24" Radius, Aluminum Cable Tray Cover.....	140.87	22.62
26 05 36 00-2291 90 Degree, 36" Radius Horizontal Elbows (26 05 36 00-2266)		
26 05 36 00-2292 EA 6" Horizontal 90 Degree Elbow, 36" Radius, Aluminum Cable Tray Cover.....	72.37	8.30
26 05 36 00-2293 EA 9" Horizontal 90 Degree Elbow, 36" Radius, Aluminum Cable Tray Cover.....	80.01	9.55
26 05 36 00-2294 EA 12" Horizontal 90 Degree Elbow, 36" Radius, Aluminum Cable Tray Cover.....	92.46	11.83
26 05 36 00-2295 EA 18" Horizontal 90 Degree Elbow, 36" Radius, Aluminum Cable Tray Cover.....	109.88	13.80
26 05 36 00-2296 EA 24" Horizontal 90 Degree Elbow, 36" Radius, Aluminum Cable Tray Cover.....	137.19	19.19
26 05 36 00-2297 EA 30" Horizontal 90 Degree Elbow, 36" Radius, Aluminum Cable Tray Cover.....	157.65	21.69
26 05 36 00-2298 EA 36" Horizontal 90 Degree Elbow, 36" Radius, Aluminum Cable Tray Cover.....	183.60	24.90
26 05 36 00-2299 45 Degree, 12" Radius Horizontal Elbows (26 05 36 00-2266)		
26 05 36 00-2300 EA 6" Horizontal 45 Degree Elbow, 12" Radius, Aluminum Cable Tray Cover.....	29.57	6.64
For 60 Degree Bend, Deduct	-7.20	
For 30 Degree Bend, Deduct	-12.37	
26 05 36 00-2301 EA 9" Horizontal 45 Degree Elbow, 12" Radius, Aluminum Cable Tray Cover.....	31.96	7.78
For 60 Degree Bend, Deduct	-7.56	
For 30 Degree Bend, Deduct	-13.04	
26 05 36 00-2302 EA 12" Horizontal 45 Degree Elbow, 12" Radius, Aluminum Cable Tray Cover.....	36.59	9.24
For 60 Degree Bend, Deduct	-8.55	
For 30 Degree Bend, Deduct	-14.76	
26 05 36 00-2303 EA 18" Horizontal 45 Degree Elbow, 12" Radius, Aluminum Cable Tray Cover.....	43.26	11.31
For 60 Degree Bend, Deduct	-9.94	
For 30 Degree Bend, Deduct	-17.20	
26 05 36 00-2304 EA 24" Horizontal 45 Degree Elbow, 12" Radius, Aluminum Cable Tray Cover.....	49.01	13.07
For 60 Degree Bend, Deduct	-11.14	
For 30 Degree Bend, Deduct	-19.30	
26 05 36 00-2305 EA 30" Horizontal 45 Degree Elbow, 12" Radius, Aluminum Cable Tray Cover.....	59.34	15.05
For 60 Degree Bend, Deduct	-13.80	
For 30 Degree Bend, Deduct	-23.83	
26 05 36 00-2306 EA 36" Horizontal 45 Degree Elbow, 12" Radius, Aluminum Cable Tray Cover.....	68.92	16.60
For 60 Degree Bend, Deduct	-16.38	
For 30 Degree Bend, Deduct	-28.22	
26 05 36 00-2307 45 Degree, 24" Radius Horizontal Elbows (26 05 36 00-2266)		
26 05 36 00-2308 EA 6" Horizontal 45 Degree Elbow, 24" Radius, Aluminum Cable Tray Cover.....	33.67	7.36
For 60 Degree Bend, Deduct	-8.30	
For 30 Degree Bend, Deduct	-14.23	
26 05 36 00-2309 EA 9" Horizontal 45 Degree Elbow, 24" Radius, Aluminum Cable Tray Cover.....	41.45	8.62
For 60 Degree Bend, Deduct	-10.38	
For 30 Degree Bend, Deduct	-17.79	
26 05 36 00-2310 EA 12" Horizontal 45 Degree Elbow, 24" Radius, Aluminum Cable Tray Cover.....	45.56	10.38
For 60 Degree Bend, Deduct	-11.05	
For 30 Degree Bend, Deduct	-18.99	
26 05 36 00-2311 EA 18" Horizontal 45 Degree Elbow, 24" Radius, Aluminum Cable Tray Cover.....	54.98	12.45
For 60 Degree Bend, Deduct	-13.36	
For 30 Degree Bend, Deduct	-22.96	
26 05 36 00-2312 EA 24" Horizontal 45 Degree Elbow, 24" Radius, Aluminum Cable Tray Cover.....	66.09	14.22
For 60 Degree Bend, Deduct	-16.34	
For 30 Degree Bend, Deduct	-28.03	
26 05 36 00-2313 EA 30" Horizontal 45 Degree Elbow, 24" Radius, Aluminum Cable Tray Cover.....	76.58	16.60
For 60 Degree Bend, Deduct	-18.89	
For 30 Degree Bend, Deduct	-32.41	
26 05 36 00-2314 EA 36" Horizontal 45 Degree Elbow, 24" Radius, Aluminum Cable Tray Cover.....	88.39	19.19
For 60 Degree Bend, Deduct	-21.82	
For 30 Degree Bend, Deduct	-37.43	
26 05 36 00-2315 45 Degree, 36" Radius Horizontal Elbows (26 05 36 00-2266)		
26 05 36 00-2316 EA 6" Horizontal 45 Degree Elbow, 36" Radius, Aluminum Cable Tray Cover.....	50.69	8.30
For 60 Degree Bend, Deduct	-13.56	
For 30 Degree Bend, Deduct	-23.05	
26 05 36 00-2317 EA 9" Horizontal 45 Degree Elbow, 36" Radius, Aluminum Cable Tray Cover.....	56.14	9.55
For 60 Degree Bend, Deduct	-14.85	
For 30 Degree Bend, Deduct	-25.28	
26 05 36 00-2318 EA 12" Horizontal 45 Degree Elbow, 36" Radius, Aluminum Cable Tray Cover.....	62.02	11.83
For 60 Degree Bend, Deduct	-15.94	
For 30 Degree Bend, Deduct	-27.22	
26 05 36 00-2319 EA 18" Horizontal 45 Degree Elbow, 36" Radius, Aluminum Cable Tray Cover.....	72.93	13.17
For 60 Degree Bend, Deduct	-19.03	
For 30 Degree Bend, Deduct	-32.44	
26 05 36 00-2320 EA 24" Horizontal 45 Degree Elbow, 36" Radius, Aluminum Cable Tray Cover.....	88.66	16.08
For 60 Degree Bend, Deduct	-23.09	
For 30 Degree Bend, Deduct	-39.38	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-2321 EA 30" Horizontal 45 Degree Elbow, 36" Radius, Aluminum Cable Tray Cover..... <i>For 60 Degree Bend, Deduct</i> <i>For 30 Degree Bend, Deduct</i>	102.50 -26.47 -45.19	19.19
26 05 36 00-2322 EA 36" Horizontal 45 Degree Elbow, 36" Radius, Aluminum Cable Tray Cover..... <i>For 60 Degree Bend, Deduct</i> <i>For 30 Degree Bend, Deduct</i>	114.92 -29.96 -51.09	20.75
26 05 36 00-2323 90 Degree, 12" Radius Vertical Risers <small>(26 05 36 00-2266)</small>		
26 05 36 00-2324 EA 6" Vertical Riser 90 Degree, 12" Radius, Aluminum Cable Tray Cover	32.35	6.64
26 05 36 00-2325 EA 9" Vertical Riser 90 Degree, 12" Radius, Aluminum Cable Tray Cover	34.40	7.78
26 05 36 00-2326 EA 12" Vertical Riser 90 Degree, 12" Radius, Aluminum Cable Tray Cover	38.65	9.24
26 05 36 00-2327 EA 18" Vertical Riser 90 Degree, 12" Radius, Aluminum Cable Tray Cover	46.00	11.31
26 05 36 00-2328 EA 24" Vertical Riser 90 Degree, 12" Radius, Aluminum Cable Tray Cover	52.62	14.63
26 05 36 00-2329 EA 30" Vertical Riser 90 Degree, 12" Radius, Aluminum Cable Tray Cover	56.52	16.71
26 05 36 00-2330 EA 36" Vertical Riser 90 Degree, 12" Radius, Aluminum Cable Tray Cover	67.90	19.93
26 05 36 00-2331 90 Degree, 24" Radius Vertical Risers <small>(26 05 36 00-2266)</small>		
26 05 36 00-2332 EA 6" Vertical Riser 90 Degree, 24" Radius, Aluminum Cable Tray Cover	36.65	7.36
26 05 36 00-2333 EA 9" Vertical Riser 90 Degree, 24" Radius, Aluminum Cable Tray Cover	40.91	8.62
26 05 36 00-2334 EA 12" Vertical Riser 90 Degree, 24" Radius, Aluminum Cable Tray Cover	46.10	10.38
26 05 36 00-2335 EA 18" Vertical Riser 90 Degree, 24" Radius, Aluminum Cable Tray Cover	55.48	12.45
26 05 36 00-2336 EA 24" Vertical Riser 90 Degree, 24" Radius, Aluminum Cable Tray Cover	64.75	16.08
26 05 36 00-2337 EA 30" Vertical Riser 90 Degree, 24" Radius, Aluminum Cable Tray Cover	80.76	19.19
26 05 36 00-2338 EA 36" Vertical Riser 90 Degree, 24" Radius, Aluminum Cable Tray Cover	90.95	22.62
26 05 36 00-2339 90 Degree, 36" Radius Vertical Risers <small>(26 05 36 00-2266)</small>		
26 05 36 00-2340 EA 6" Vertical Riser 90 Degree, 36" Radius, Aluminum Cable Tray Cover	41.98	8.30
26 05 36 00-2341 EA 9" Vertical Riser 90 Degree, 36" Radius, Aluminum Cable Tray Cover	50.71	9.55
26 05 36 00-2342 EA 12" Vertical Riser 90 Degree, 36" Radius, Aluminum Cable Tray Cover	59.91	11.83
26 05 36 00-2343 EA 18" Vertical Riser 90 Degree, 36" Radius, Aluminum Cable Tray Cover	70.76	13.17
26 05 36 00-2344 EA 24" Vertical Riser 90 Degree, 36" Radius, Aluminum Cable Tray Cover	88.19	18.36
26 05 36 00-2345 EA 30" Vertical Riser 90 Degree, 36" Radius, Aluminum Cable Tray Cover	108.81	21.69
26 05 36 00-2346 EA 36" Vertical Riser 90 Degree, 36" Radius, Aluminum Cable Tray Cover	119.57	24.90
26 05 36 00-2347 12" Radius Horizontal Tees <small>(26 05 36 00-2266)</small>		
26 05 36 00-2348 EA 6" Horizontal Tee, 12" Radius, Aluminum Cable Tray Cover	52.78	10.79
26 05 36 00-2349 EA 9" Horizontal Tee, 12" Radius, Aluminum Cable Tray Cover	57.65	12.45
26 05 36 00-2350 EA 12" Horizontal Tee, 12" Radius, Aluminum Cable Tray Cover	65.57	14.63
26 05 36 00-2351 EA 18" Horizontal Tee, 12" Radius, Aluminum Cable Tray Cover	76.58	16.60
26 05 36 00-2352 EA 24" Horizontal Tee, 12" Radius, Aluminum Cable Tray Cover	93.82	19.19
26 05 36 00-2353 EA 30" Horizontal Tee, 12" Radius, Aluminum Cable Tray Cover	118.74	27.60
26 05 36 00-2354 EA 36" Horizontal Tee, 12" Radius, Aluminum Cable Tray Cover	143.13	33.10
26 05 36 00-2355 24" Radius Horizontal Tees <small>(26 05 36 00-2266)</small>		
26 05 36 00-2356 EA 6" Horizontal Tee, 24" Radius, Aluminum Cable Tray Cover	75.30	11.31
26 05 36 00-2357 EA 9" Horizontal Tee, 24" Radius, Aluminum Cable Tray Cover	84.86	13.17
26 05 36 00-2358 EA 12" Horizontal Tee, 24" Radius, Aluminum Cable Tray Cover	96.45	15.57
26 05 36 00-2359 EA 18" Horizontal Tee, 24" Radius, Aluminum Cable Tray Cover	112.15	17.84
26 05 36 00-2360 EA 24" Horizontal Tee, 24" Radius, Aluminum Cable Tray Cover	165.82	20.75
26 05 36 00-2361 EA 30" Horizontal Tee, 24" Radius, Aluminum Cable Tray Cover	197.35	31.13
26 05 36 00-2362 EA 36" Horizontal Tee, 24" Radius, Aluminum Cable Tray Cover	225.52	38.29
26 05 36 00-2363 36" Radius Horizontal Tees <small>(26 05 36 00-2266)</small>		
26 05 36 00-2364 EA 6" Horizontal Tee, 36" Radius, Aluminum Cable Tray Cover	122.82	11.83
26 05 36 00-2365 EA 9" Horizontal Tee, 36" Radius, Aluminum Cable Tray Cover	128.30	13.80
26 05 36 00-2366 EA 12" Horizontal Tee, 36" Radius, Aluminum Cable Tray Cover	143.82	16.60
26 05 36 00-2367 EA 18" Horizontal Tee, 36" Radius, Aluminum Cable Tray Cover	163.33	19.19
26 05 36 00-2368 EA 24" Horizontal Tee, 36" Radius, Aluminum Cable Tray Cover	204.90	22.62
26 05 36 00-2369 EA 30" Horizontal Tee, 36" Radius, Aluminum Cable Tray Cover	247.19	35.69
26 05 36 00-2370 EA 36" Horizontal Tee, 36" Radius, Aluminum Cable Tray Cover	286.86	45.13
26 05 36 00-2371 12" Radius Horizontal Crosses <small>(26 05 36 00-2266)</small>		
26 05 36 00-2372 EA 6" Horizontal Cross, 12" Radius, Aluminum Cable Tray Cover	77.56	14.63
26 05 36 00-2373 EA 9" Horizontal Cross, 12" Radius, Aluminum Cable Tray Cover	82.37	15.57
26 05 36 00-2374 EA 12" Horizontal Cross, 12" Radius, Aluminum Cable Tray Cover	90.69	16.60
26 05 36 00-2375 EA 18" Horizontal Cross, 12" Radius, Aluminum Cable Tray Cover	107.93	19.19
26 05 36 00-2376 EA 24" Horizontal Cross, 12" Radius, Aluminum Cable Tray Cover	133.90	27.60
26 05 36 00-2377 EA 30" Horizontal Cross, 12" Radius, Aluminum Cable Tray Cover	159.35	33.10
26 05 36 00-2378 EA 36" Horizontal Cross, 12" Radius, Aluminum Cable Tray Cover	179.72	35.59
26 05 36 00-2379 24" Radius Horizontal Crosses <small>(26 05 36 00-2266)</small>		
26 05 36 00-2380 EA 6" Horizontal Cross, 24" Radius, Aluminum Cable Tray Cover	130.16	15.57

26 Electrical**26 05 Common Work Results For Electrical****26 05 36 Cable Trays For Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-2381 EA 9" Horizontal Cross, 24" Radius, Aluminum Cable Tray Cover.....	139.49	16.60
26 05 36 00-2382 EA 12" Horizontal Cross, 24" Radius, Aluminum Cable Tray Cover.....	150.14	17.84
26 05 36 00-2383 EA 18" Horizontal Cross, 24" Radius, Aluminum Cable Tray Cover.....	174.50	20.75
26 05 36 00-2384 EA 24" Horizontal Cross, 24" Radius, Aluminum Cable Tray Cover.....	219.01	31.13
26 05 36 00-2385 EA 30" Horizontal Cross, 24" Radius, Aluminum Cable Tray Cover.....	259.08	38.29
26 05 36 00-2386 EA 36" Horizontal Cross, 24" Radius, Aluminum Cable Tray Cover.....	280.65	41.40
26 05 36 00-2387 36" Radius Horizontal Crosses <small>(26 05 36 00-2266)</small>		
26 05 36 00-2388 EA 6" Horizontal Cross, 36" Radius, Aluminum Cable Tray Cover.....	194.83	16.60
26 05 36 00-2389 EA 9" Horizontal Cross, 36" Radius, Aluminum Cable Tray Cover.....	204.40	17.84
26 05 36 00-2390 EA 12" Horizontal Cross, 36" Radius, Aluminum Cable Tray Cover.....	219.76	19.19
26 05 36 00-2391 EA 18" Horizontal Cross, 36" Radius, Aluminum Cable Tray Cover.....	243.97	22.62
26 05 36 00-2392 EA 24" Horizontal Cross, 36" Radius, Aluminum Cable Tray Cover.....	314.44	35.59
26 05 36 00-2393 EA 30" Horizontal Cross, 36" Radius, Aluminum Cable Tray Cover.....	368.59	45.34
26 05 36 00-2394 EA 36" Horizontal Cross, 36" Radius, Aluminum Cable Tray Cover.....	403.17	49.81
26 05 36 00-2395 Reducers <small>(26 05 36 00-2266)</small>		
26 05 36 00-2396 EA 9"-6" Reducer, Aluminum Cable Tray Covers.....	39.56	7.78
26 05 36 00-2397 EA 12"-6" Reducer, Aluminum Cable Tray Covers.....	43.03	9.24
26 05 36 00-2398 EA 12"-9" Reducer, Aluminum Cable Tray Covers.....	43.03	9.24
26 05 36 00-2399 EA 18"-6" Reducer, Aluminum Cable Tray Covers.....	49.25	11.31
26 05 36 00-2400 EA 18"-12" Reducer, Aluminum Cable Tray Covers.....	49.25	11.31
26 05 36 00-2401 EA 24"-12" Reducer, Aluminum Cable Tray Covers.....	54.40	12.45
26 05 36 00-2402 EA 24"-18" Reducer, Aluminum Cable Tray Covers.....	58.70	12.45
26 05 36 00-2403 EA 30"-12" Reducer, Aluminum Cable Tray Covers.....	62.80	14.22
26 05 36 00-2404 EA 30"-18" Reducer, Aluminum Cable Tray Covers.....	64.41	14.22
26 05 36 00-2405 EA 30"-24" Reducer, Aluminum Cable Tray Covers.....	65.54	14.22
26 05 36 00-2406 EA 36"-12" Reducer, Aluminum Cable Tray Covers.....	69.30	15.57
26 05 36 00-2407 EA 36"-18" Reducer, Aluminum Cable Tray Covers.....	70.39	15.57
26 05 36 00-2408 EA 36"-24" Reducer, Aluminum Cable Tray Covers.....	70.93	15.57
26 05 36 00-2409 EA 36"-30" Reducer, Aluminum Cable Tray Covers.....	71.47	15.57
26 05 36 00-2410 Galvanized Steel Dividers <small>(26 05 36 00-2121)</small>		
26 05 36 00-2411 Straight Dividers <small>(26 05 36 00-2410)</small>		
26 05 36 00-2412 LF 3" Deep Galvanized Steel Divider Strip, Straight.....	7.45	2.49
26 05 36 00-2413 LF 4" Deep Galvanized Steel Divider Strip, Straight.....	8.66	2.69
26 05 36 00-2414 LF 6" Deep Galvanized Steel Divider Strip, Straight.....	10.53	3.12
26 05 36 00-2415 3" Deep Vertical Dividers <small>(26 05 36 00-2410)</small>		
26 05 36 00-2416 EA Vertical Divider, 3" Deep, 12" Radius, 30 Degree, Steel Cable Tray.....	45.87	17.84
26 05 36 00-2417 EA Vertical Divider, 3" Deep, 12" Radius, 45 Degree, Steel Cable Tray.....	51.05	18.47
26 05 36 00-2418 EA Vertical Divider, 3" Deep, 12" Radius, 60 Degree, Steel Cable Tray.....	53.56	19.19
26 05 36 00-2419 EA Vertical Divider, 3" Deep, 12" Radius, 90 Degree, Steel Cable Tray.....	60.20	19.93
26 05 36 00-2420 EA Vertical Divider, 3" Deep, 24" Radius, 30 Degree, Steel Cable Tray.....	57.80	19.93
26 05 36 00-2421 EA Vertical Divider, 3" Deep, 24" Radius, 45 Degree, Steel Cable Tray.....	62.15	20.75
26 05 36 00-2422 EA Vertical Divider, 3" Deep, 24" Radius, 60 Degree, Steel Cable Tray.....	70.90	21.69
26 05 36 00-2423 EA Vertical Divider, 3" Deep, 24" Radius, 90 Degree, Steel Cable Tray.....	85.16	22.62
26 05 36 00-2424 EA Vertical Divider, 3" Deep, 36" Radius, 30 Degree, Steel Cable.....	70.77	22.62
26 05 36 00-2425 EA Vertical Divider, 3" Deep, 36" Radius, 45 Degree, Steel Cable Tray.....	77.93	23.76
26 05 36 00-2426 EA Vertical Divider, 3" Deep, 36" Radius, 60 Degree, Steel Cable Tray.....	86.49	24.90
26 05 36 00-2427 EA Vertical Divider, 3" Deep, 36" Radius, 90 Degree, Steel Cable Tray.....	106.08	26.25
26 05 36 00-2428 4" Deep Vertical Dividers <small>(26 05 36 00-2410)</small>		
26 05 36 00-2429 EA Vertical Divider, 4" Deep, 12" Radius, 30 Degree, Steel Cable Tray.....	51.35	18.47
26 05 36 00-2430 EA Vertical Divider, 4" Deep, 12" Radius, 45 Degree, Steel Cable Tray.....	55.96	19.19
26 05 36 00-2431 EA Vertical Divider, 4" Deep, 12" Radius, 60 Degree, Steel Cable Tray.....	60.20	19.93
26 05 36 00-2432 EA Vertical Divider, 4" Deep, 12" Radius, 90 Degree, Steel Cable Tray.....	67.55	20.75
26 05 36 00-2433 EA Vertical Divider, 4" Deep, 24" Radius, 30 Degree, Steel Cable Tray.....	67.55	20.75
26 05 36 00-2434 EA Vertical Divider, 4" Deep, 24" Radius, 45 Degree, Steel Cable Tray.....	77.50	21.69
26 05 36 00-2435 EA Vertical Divider, 4" Deep, 24" Radius, 60 Degree, Steel Cable Tray.....	84.56	22.62
26 05 36 00-2436 EA Vertical Divider, 4" Deep, 24" Radius, 90 Degree, Steel Cable Tray.....	101.92	23.76
26 05 36 00-2437 EA Vertical Divider, 4" Deep, 36" Radius, 30 Degree, Steel Cable Tray.....	74.50	21.69
26 05 36 00-2438 EA Vertical Divider, 4" Deep, 36" Radius, 45 Degree, Steel Cable Tray.....	81.56	22.62
26 05 36 00-2439 EA Vertical Divider, 4" Deep, 36" Radius, 60 Degree, Steel Cable Tray.....	94.72	23.76
26 05 36 00-2440 EA Vertical Divider, 4" Deep, 36" Radius, 90 Degree, Steel Cable Tray.....	116.49	24.90
26 05 36 00-2441 6" Deep Vertical Dividers <small>(26 05 36 00-2410)</small>		
26 05 36 00-2442 EA Vertical Divider, 6" Deep, 12" Radius, 30 Degree, Steel Cable Tray.....	57.05	20.75
26 05 36 00-2443 EA Vertical Divider, 6" Deep, 12" Radius, 45 Degree, Steel Cable Tray.....	61.30	21.69
26 05 36 00-2444 EA Vertical Divider, 6" Deep, 12" Radius, 60 Degree, Steel Cable Tray.....	66.57	22.62
26 05 36 00-2445 EA Vertical Divider, 6" Deep, 12" Radius, 90 Degree, Steel Cable Tray.....	75.53	23.76
26 05 36 00-2446 EA Vertical Divider, 6" Deep, 24" Radius, 30 Degree, Steel Cable Tray.....	69.10	21.69
26 05 36 00-2447 EA Vertical Divider, 6" Deep, 24" Radius, 45 Degree, Steel Cable Tray.....	79.17	22.62



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-2448 EA Vertical Divider, 6" Deep, 24" Radius, 60 Degree, Steel Cable Tray	86.92	23.76
26 05 36 00-2449 EA Vertical Divider, 6" Deep, 24" Radius, 90 Degree, Steel Cable Tray	103.89	24.90
26 05 36 00-2450 EA Vertical Divider, 6" Deep, 36" Radius, 30 Degree, Steel Cable Tray	76.17	22.62
26 05 36 00-2451 EA Vertical Divider, 6" Deep, 36" Radius, 45 Degree, Steel Cable Tray	86.92	23.76
26 05 36 00-2452 EA Vertical Divider, 6" Deep, 36" Radius, 60 Degree, Steel Cable Tray	103.89	24.90
26 05 36 00-2453 EA Vertical Divider, 6" Deep, 36" Radius, 90 Degree, Steel Cable Tray	124.08	26.25
26 05 36 00-2454 Horizontal Dividers (26 05 36 00-2410)		
26 05 36 00-2455 EA 3" Deep Horizontal Fitting Divider Strip, Steel Cable Tray	48.20	15.05
26 05 36 00-2456 EA 4" Deep Horizontal Fitting Divider Strip, Steel Cable Tray	53.51	16.60
26 05 36 00-2457 EA 6" Deep Horizontal Fitting Divider Strip, Steel Cable Tray	63.71	18.47
26 05 36 00-2458 Aluminum Dividers (26 05 36 00-2121)		
26 05 36 00-2459 Straight Dividers (26 05 36 00-2458)		
26 05 36 00-2460 LF 3" Deep Aluminum Divider Strip, Straight	6.93	2.38
26 05 36 00-2461 LF 4" Deep Aluminum Divider Strip, Straight	8.05	2.59
26 05 36 00-2462 LF 6" Deep Aluminum Divider Strip, Straight	9.71	2.91
26 05 36 00-2463 3" Deep Vertical Dividers (26 05 36 00-2458)		
26 05 36 00-2464 EA Vertical Divider, 3" Deep, 12" Radius, 30 Degree, Aluminum Cable Tray	41.07	17.22
26 05 36 00-2465 EA Vertical Divider, 3" Deep, 12" Radius, 45 Degree, Aluminum Cable Tray	44.32	17.84
26 05 36 00-2466 EA Vertical Divider, 3" Deep, 12" Radius, 60 Degree, Aluminum Cable Tray	47.86	18.47
26 05 36 00-2467 EA Vertical Divider, 3" Deep, 12" Radius, 90 Degree, Aluminum Cable Tray	53.67	19.19
26 05 36 00-2468 EA Vertical Divider, 3" Deep, 24" Radius, 30 Degree, Aluminum Cable Tray	52.58	19.19
26 05 36 00-2469 EA Vertical Divider, 3" Deep, 24" Radius, 45 Degree, Aluminum Cable Tray	57.08	19.93
26 05 36 00-2470 EA Vertical Divider, 3" Deep, 24" Radius, 60 Degree, Aluminum Cable Tray	64.40	20.75
26 05 36 00-2471 EA Vertical Divider, 3" Deep, 24" Radius, 90 Degree, Aluminum Cable Tray	76.80	21.69
26 05 36 00-2472 EA Vertical Divider, 3" Deep, 36" Radius, 30 Degree, Aluminum Cable Tray	67.57	21.69
26 05 36 00-2473 EA Vertical Divider, 3" Deep, 36" Radius, 45 Degree, Aluminum Cable Tray	78.47	22.62
26 05 36 00-2474 EA Vertical Divider, 3" Deep, 36" Radius, 60 Degree, Aluminum Cable Tray	92.17	23.76
26 05 36 00-2475 EA Vertical Divider, 3" Deep, 36" Radius, 90 Degree, Aluminum Cable Tray	110.42	24.90
26 05 36 00-2476 4" Deep Vertical Dividers (26 05 36 00-2458)		
26 05 36 00-2477 EA Vertical Divider, 4" Deep, 12" Radius, 30 Degree, Aluminum Cable Tray	47.20	17.84
26 05 36 00-2478 EA Vertical Divider, 4" Deep, 12" Radius, 45 Degree, Aluminum Cable Tray	51.06	18.47
26 05 36 00-2479 EA Vertical Divider, 4" Deep, 12" Radius, 60 Degree, Aluminum Cable Tray	55.29	19.19
26 05 36 00-2480 EA Vertical Divider, 4" Deep, 12" Radius, 90 Degree, Aluminum Cable Tray	60.87	19.93
26 05 36 00-2481 EA Vertical Divider, 4" Deep, 24" Radius, 30 Degree, Aluminum Cable Tray	60.33	19.93
26 05 36 00-2482 EA Vertical Divider, 4" Deep, 24" Radius, 45 Degree, Aluminum Cable Tray	68.19	20.75
26 05 36 00-2483 EA Vertical Divider, 4" Deep, 24" Radius, 60 Degree, Aluminum Cable Tray	75.71	21.69
26 05 36 00-2484 EA Vertical Divider, 4" Deep, 24" Radius, 90 Degree, Aluminum Cable Tray	92.03	22.62
26 05 36 00-2485 EA Vertical Divider, 4" Deep, 36" Radius, 30 Degree, Aluminum Cable Tray	76.88	20.75
26 05 36 00-2486 EA Vertical Divider, 4" Deep, 36" Radius, 45 Degree, Aluminum Cable Tray	90.36	21.69
26 05 36 00-2487 EA Vertical Divider, 4" Deep, 36" Radius, 60 Degree, Aluminum Cable Tray	103.97	22.62
26 05 36 00-2488 EA Vertical Divider, 4" Deep, 36" Radius, 90 Degree, Aluminum Cable Tray	123.10	23.76
26 05 36 00-2489 6" Deep Vertical Dividers (26 05 36 00-2458)		
26 05 36 00-2490 EA Vertical Divider, 6" Deep, 12" Radius, 30 Degree, Aluminum Cable Tray	52.41	19.93
26 05 36 00-2491 EA Vertical Divider, 6" Deep, 12" Radius, 45 Degree, Aluminum Cable Tray	57.34	20.75
26 05 36 00-2492 EA Vertical Divider, 6" Deep, 12" Radius, 60 Degree, Aluminum Cable Tray	59.98	21.69
26 05 36 00-2493 EA Vertical Divider, 6" Deep, 12" Radius, 90 Degree, Aluminum Cable Tray	65.99	22.62
26 05 36 00-2494 EA Vertical Divider, 6" Deep, 24" Radius, 30 Degree, Aluminum Cable Tray	62.77	20.75
26 05 36 00-2495 EA Vertical Divider, 6" Deep, 24" Radius, 45 Degree, Aluminum Cable Tray	74.63	21.69
26 05 36 00-2496 EA Vertical Divider, 6" Deep, 24" Radius, 60 Degree, Aluminum Cable Tray	80.10	22.62
26 05 36 00-2497 EA Vertical Divider, 6" Deep, 24" Radius, 90 Degree, Aluminum Cable Tray	97.05	23.76
26 05 36 00-2498 EA Vertical Divider, 6" Deep, 36" Radius, 30 Degree, Aluminum Cable Tray	78.97	21.69
26 05 36 00-2499 EA Vertical Divider, 6" Deep, 36" Radius, 45 Degree, Aluminum Cable Tray	95.29	22.62
26 05 36 00-2500 EA Vertical Divider, 6" Deep, 36" Radius, 60 Degree, Aluminum Cable Tray	107.36	23.76
26 05 36 00-2501 EA Vertical Divider, 6" Deep, 36" Radius, 90 Degree, Aluminum Cable Tray	122.90	24.90
26 05 36 00-2502 Horizontal Dividers (26 05 36 00-2458)		
26 05 36 00-2503 EA 3" Deep Horizontal Fitting Divider Strip, Aluminum Cable Tray	43.51	14.22
26 05 36 00-2504 EA 4" Deep Horizontal Fitting Divider Strip, Aluminum Cable Tray	47.65	15.57
26 05 36 00-2505 EA 6" Deep Horizontal Fitting Divider Strip, Aluminum Cable Tray	57.40	17.22
26 05 36 00-2506 Wall Brackets (26 05 36 00-0001)		
26 05 36 00-2507 Wall Brackets (26 05 36 00-2506)		
26 05 36 00-2508 EA 6" Wide Tray Wall Bracket	46.97	20.75
26 05 36 00-2509 EA 9" Wide Tray Wall Bracket	48.88	21.69
26 05 36 00-2510 EA 12" Wide Tray Wall Bracket	52.32	22.62
26 05 36 00-2511 EA 18" Wide Tray Wall Bracket	55.15	23.76

26 Electrical**26 05 Common Work Results For Electrical****26 05 36 Cable Trays For Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-2512	EA		24" Wide Tray Wall Bracket	58.89	24.90
26 05 36 00-2513	EA		30" Wide Tray Wall Bracket	66.04	26.25
26 05 36 00-2514	EA		36" Wide Tray Wall Bracket	75.08	28.01
26 05 36 00-2515			Fiberglass Cable Tray <small>(26 05 36 00-0001)</small>		
26 05 36 00-2516			Ladder Bottom Fiberglass Cable Tray <small>(26 05 36 00-2515)</small> Note: Excludes hangers and support system.		
26 05 36 00-2517			Straight Tray Sections <small>(26 05 36 00-2516)</small>		
26 05 36 00-2518	LF		6" Fiberglass Cable Tray - Straight Section, 12" Rung Spacing	9.43	2.80
			For 9" Rung Spacing, Add	0.18	
			For 6" Rung Spacing, Add	0.79	
			For 4" Rung Spacing, Add	1.45	
			For 18" Rung Spacing, Deduct	-0.13	
			For Solid Bottom, Add	2.21	
			For Vented Trough Bottom, Add	2.63	
26 05 36 00-2519	LF		9" Fiberglass Cable Tray - Straight Section, 12" Rung Spacing	10.64	3.43
			For 9" Rung Spacing, Add	0.19	
			For 6" Rung Spacing, Add	0.82	
			For 4" Rung Spacing, Add	1.50	
			For 18" Rung Spacing, Deduct	-0.14	
			For Solid Bottom, Add	2.41	
			For Vented Trough Bottom, Add	2.83	
26 05 36 00-2520	LF		12" Fiberglass Cable Tray - Straight Section, 12" Rung Spacing	11.82	4.15
			For 9" Rung Spacing, Add	0.20	
			For 6" Rung Spacing, Add	0.84	
			For 4" Rung Spacing, Add	1.54	
			For 18" Rung Spacing, Deduct	-0.14	
			For Solid Bottom, Add	2.61	
			For Vented Trough Bottom, Add	3.02	
26 05 36 00-2521	LF		18" Fiberglass Cable Tray - Straight Section, 12" Rung Spacing	14.33	5.50
			For 9" Rung Spacing, Add	0.21	
			For 6" Rung Spacing, Add	0.90	
			For 4" Rung Spacing, Add	1.66	
			For 18" Rung Spacing, Deduct	-0.15	
			For Solid Bottom, Add	3.05	
			For Vented Trough Bottom, Add	3.45	
26 05 36 00-2522	LF		24" Fiberglass Cable Tray - Straight Section, 12" Rung Spacing	16.81	6.95
			For 9" Rung Spacing, Add	0.23	
			For 6" Rung Spacing, Add	0.96	
			For 4" Rung Spacing, Add	1.77	
			For 18" Rung Spacing, Deduct	-0.16	
			For Solid Bottom, Add	3.49	
			For Vented Trough Bottom, Add	3.87	
26 05 36 00-2523	LF		30" Fiberglass Cable Tray - Straight Section, 12" Rung Spacing	18.39	7.57
			For 9" Rung Spacing, Add	0.24	
			For 6" Rung Spacing, Add	1.05	
			For 4" Rung Spacing, Add	1.92	
			For 18" Rung Spacing, Deduct	-0.17	
			For Solid Bottom, Add	3.81	
			For Vented Trough Bottom, Add	4.22	
26 05 36 00-2524	LF		36" Fiberglass Cable Tray - Straight Section, 12" Rung Spacing	20.00	8.30
			For 9" Rung Spacing, Add	0.26	
			For 6" Rung Spacing, Add	1.13	
			For 4" Rung Spacing, Add	2.08	
			For 18" Rung Spacing, Deduct	-0.19	
			For Solid Bottom, Add	4.13	
			For Vented Trough Bottom, Add	4.58	
26 05 36 00-2525			90 Degree Horizontal Elbows <small>(26 05 36 00-2516)</small>		
26 05 36 00-2526	EA		6" Horizontal 90 Degree Elbow, Fiberglass Cable Tray	52.49	20.75
			For 9" Rung Spacing, Add	0.75	
			For 6" Rung Spacing, Add	3.20	
			For 4" Rung Spacing, Add	5.87	
			For 18" Rung Spacing, Deduct	-0.53	
			For Solid Bottom, Add	11.08	
			For Vented Trough Bottom, Add	12.44	
			For 60 Degree Bend, Deduct	-10.16	
			For 45 Degree Bend, Deduct	-14.07	
			For 30 Degree Bend, Deduct	-17.97	
26 05 36 00-2527	EA		9" Horizontal 90 Degree Elbow, Fiberglass Cable Tray	58.89	24.17
			For 9" Rung Spacing, Add	0.79	
			For 6" Rung Spacing, Add	3.39	
			For 4" Rung Spacing, Add	6.21	
			For 18" Rung Spacing, Deduct	-0.56	
			For Solid Bottom, Add	12.22	
			For Vented Trough Bottom, Add	13.57	
			For 60 Degree Bend, Deduct	-11.08	
			For 45 Degree Bend, Deduct	-15.38	
			For 30 Degree Bend, Deduct	-19.68	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-2528 EA 12" Horizontal 90 Degree Elbow, Fiberglass Cable Tray	69.45	30.40
For 9" Rung Spacing, Add	0.83	
For 6" Rung Spacing, Add	3.57	
For 4" Rung Spacing, Add	6.55	
For 18" Rung Spacing, Deduct	-0.60	
For Solid Bottom, Add	13.99	
For Vented Trough Bottom, Add	15.23	
For 60 Degree Bend, Deduct	-12.42	
For 45 Degree Bend, Deduct	-17.32	
For 30 Degree Bend, Deduct	-22.22	
26 05 36 00-2529 EA 18" Horizontal 90 Degree Elbow, Fiberglass Cable Tray	82.33	36.74
For 9" Rung Spacing, Add	0.96	
For 6" Rung Spacing, Add	4.10	
For 4" Rung Spacing, Add	7.52	
For 18" Rung Spacing, Deduct	-0.68	
For Solid Bottom, Add	16.45	
For Vented Trough Bottom, Add	17.81	
For 60 Degree Bend, Deduct	-14.52	
For 45 Degree Bend, Deduct	-20.28	
For 30 Degree Bend, Deduct	-26.04	
26 05 36 00-2530 EA 24" Horizontal 90 Degree Elbow, Fiberglass Cable Tray	93.35	42.23
For 9" Rung Spacing, Add	1.05	
For 6" Rung Spacing, Add	4.51	
For 4" Rung Spacing, Add	8.27	
For 18" Rung Spacing, Deduct	-0.75	
For Solid Bottom, Add	18.51	
For Vented Trough Bottom, Add	19.94	
For 60 Degree Bend, Deduct	-16.25	
For 45 Degree Bend, Deduct	-22.72	
For 30 Degree Bend, Deduct	-29.19	
26 05 36 00-2531 EA 30" Horizontal 90 Degree Elbow, Fiberglass Cable Tray	101.99	45.03
For 9" Rung Spacing, Add	1.21	
For 6" Rung Spacing, Add	5.18	
For 4" Rung Spacing, Add	9.50	
For 18" Rung Spacing, Deduct	-0.86	
For Solid Bottom, Add	20.48	
For Vented Trough Bottom, Add	22.25	
For 60 Degree Bend, Deduct	-18.15	
For 45 Degree Bend, Deduct	-25.32	
For 30 Degree Bend, Deduct	-32.49	
26 05 36 00-2532 EA 36" Horizontal 90 Degree Elbow, Fiberglass Cable Tray	112.31	48.46
For 9" Rung Spacing, Add	1.39	
For 6" Rung Spacing, Add	5.95	
For 4" Rung Spacing, Add	10.91	
For 18" Rung Spacing, Deduct	-0.99	
For Solid Bottom, Add	22.80	
For Vented Trough Bottom, Add	24.95	
For 60 Degree Bend, Deduct	-20.36	
For 45 Degree Bend, Deduct	-28.35	
For 30 Degree Bend, Deduct	-36.35	
26 05 36 00-2533 Inside Or Outside Vertical Risers (26 05 36 00-2516)		
26 05 36 00-2534 EA 6" Vertical Inside Or Outside Riser 90, Fiberglass Cable Tray	74.79	20.75
For 9" Rung Spacing, Add	1.53	
For 6" Rung Spacing, Add	6.55	
For 4" Rung Spacing, Add	12.01	
For 18" Rung Spacing, Deduct	-1.09	
For Solid Bottom, Add	17.77	
For Vented Trough Bottom, Add	21.36	
For 60 Degree Bend, Deduct	-17.52	
For 45 Degree Bend, Deduct	-23.88	
For 30 Degree Bend, Deduct	-30.24	
26 05 36 00-2535 EA 9" Vertical Inside Or Outside Riser 90, Fiberglass	80.59	24.17
For 9" Rung Spacing, Add	1.55	
For 6" Rung Spacing, Add	6.64	
For 4" Rung Spacing, Add	12.18	
For 18" Rung Spacing, Deduct	-1.11	
For Solid Bottom, Add	18.73	
For Vented Trough Bottom, Add	22.25	
For 60 Degree Bend, Deduct	-18.24	
For 45 Degree Bend, Deduct	-24.93	
For 30 Degree Bend, Deduct	-31.62	
26 05 36 00-2536 EA 12" Vertical Inside Or Outside Riser 90, Fiberglass Cable Tray	90.54	30.40
For 9" Rung Spacing, Add	1.57	
For 6" Rung Spacing, Add	6.73	
For 4" Rung Spacing, Add	12.34	
For 18" Rung Spacing, Deduct	-1.12	
For Solid Bottom, Add	20.31	
For Vented Trough Bottom, Add	23.66	
For 60 Degree Bend, Deduct	-19.38	
For 45 Degree Bend, Deduct	-26.60	
For 30 Degree Bend, Deduct	-33.82	

26 Electrical**26 05 Common Work Results For Electrical****26 05 36 Cable Trays For Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-2537 EA 18" Vertical Inside Or Outside Riser 90, Fiberglass Cable Tray.....	101.24	36.74
For 9" Rung Spacing, Add	1.62	
For 6" Rung Spacing, Add	6.94	
For 4" Rung Spacing, Add	12.72	
For 18" Rung Spacing, Deduct	-1.16	
For Solid Bottom, Add	22.12	
For Vented Trough Bottom, Add	25.37	
For 60 Degree Bend, Deduct	-20.76	
For 45 Degree Bend, Deduct	-28.60	
For 30 Degree Bend, Deduct	-36.44	
26 05 36 00-2538 EA 24" Vertical Inside Or Outside Riser 90, Fiberglass Cable Tray.....	110.76	42.23
For 9" Rung Spacing, Add	1.66	
For 6" Rung Spacing, Add	7.12	
For 4" Rung Spacing, Add	13.05	
For 18" Rung Spacing, Deduct	-1.19	
For Solid Bottom, Add	23.73	
For Vented Trough Bottom, Add	26.90	
For 60 Degree Bend, Deduct	-21.99	
For 45 Degree Bend, Deduct	-30.38	
For 30 Degree Bend, Deduct	-38.77	
26 05 36 00-2539 EA 30" Vertical Inside Or Outside Riser 90, Fiberglass Cable Tray.....	116.14	45.03
For 9" Rung Spacing, Add	1.70	
For 6" Rung Spacing, Add	7.31	
For 4" Rung Spacing, Add	13.39	
For 18" Rung Spacing, Deduct	-1.22	
For Solid Bottom, Add	24.73	
For Vented Trough Bottom, Add	27.91	
For 60 Degree Bend, Deduct	-22.82	
For 45 Degree Bend, Deduct	-31.54	
For 30 Degree Bend, Deduct	-40.27	
26 05 36 00-2540 EA 36" Vertical Inside Or Outside Riser 90, Fiberglass Cable Tray.....	126.43	48.46
For 9" Rung Spacing, Add	1.88	
For 6" Rung Spacing, Add	8.07	
For 4" Rung Spacing, Add	14.80	
For 18" Rung Spacing, Deduct	-1.35	
For Solid Bottom, Add	27.03	
For Vented Trough Bottom, Add	30.60	
For 60 Degree Bend, Deduct	-25.02	
For 45 Degree Bend, Deduct	-34.57	
For 30 Degree Bend, Deduct	-44.12	
26 05 36 00-2541 Horizontal Tees (26 05 36 00-2516)		
26 05 36 00-2542 EA 6" Horizontal Tee, Fiberglass Cable Tray	115.50	51.88
For 9" Rung Spacing, Add	1.32	
For 6" Rung Spacing, Add	5.65	
For 4" Rung Spacing, Add	10.36	
For 18" Rung Spacing, Deduct	-0.94	
For Solid Bottom, Add	22.98	
For Vented Trough Bottom, Add	24.80	
26 05 36 00-2543 EA 9" Horizontal Tee, Fiberglass Cable Tray	130.48	60.91
For 9" Rung Spacing, Add	1.37	
For 6" Rung Spacing, Add	5.88	
For 4" Rung Spacing, Add	10.77	
For 18" Rung Spacing, Deduct	-0.98	
For Solid Bottom, Add	25.45	
For Vented Trough Bottom, Add	27.08	
26 05 36 00-2544 EA 12" Horizontal Tee, Fiberglass Cable Tray	149.61	72.63
For 9" Rung Spacing, Add	1.42	
For 6" Rung Spacing, Add	6.10	
For 4" Rung Spacing, Add	11.18	
For 18" Rung Spacing, Deduct	-1.02	
For Solid Bottom, Add	28.54	
For Vented Trough Bottom, Add	29.89	
26 05 36 00-2545 EA 18" Horizontal Tee, Fiberglass Cable Tray	167.18	81.66
For 9" Rung Spacing, Add	1.57	
For 6" Rung Spacing, Add	6.71	
For 4" Rung Spacing, Add	12.31	
For 18" Rung Spacing, Deduct	-1.12	
For Solid Bottom, Add	31.79	
For Vented Trough Bottom, Add	33.20	
26 05 36 00-2546 EA 24" Horizontal Tee, Fiberglass Cable Tray	175.65	85.08
For 9" Rung Spacing, Add	1.68	
For 6" Rung Spacing, Add	7.20	
For 4" Rung Spacing, Add	13.21	
For 18" Rung Spacing, Deduct	-1.20	
For Solid Bottom, Add	33.55	
For Vented Trough Bottom, Add	35.16	
26 05 36 00-2547 EA 30" Horizontal Tee, Fiberglass Cable Tray	187.93	89.96
For 9" Rung Spacing, Add	1.86	
For 6" Rung Spacing, Add	7.96	
For 4" Rung Spacing, Add	14.59	
For 18" Rung Spacing, Deduct	-1.33	
For Solid Bottom, Add	36.15	
For Vented Trough Bottom, Add	38.08	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-2548 EA 36" Horizontal Tee, Fiberglass Cable Tray	203.87	96.91
For 9" Rung Spacing, Add	2.05	
For 6" Rung Spacing, Add	8.79	
For 4" Rung Spacing, Add	16.12	
For 18" Rung Spacing, Deduct	-1.47	
For Solid Bottom, Add	39.37	
For Vented Trough Bottom, Add	41.60	
26 05 36 00-2549 Horizontal Crosses <small>(26 05 36 00-2516)</small>		
26 05 36 00-2550 EA 6" Horizontal Cross, Fiberglass Cable Tray	183.17	89.96
For 9" Rung Spacing, Add	1.69	
For 6" Rung Spacing, Add	7.24	
For 4" Rung Spacing, Add	13.28	
For 18" Rung Spacing, Deduct	-1.21	
For Solid Bottom, Add	34.72	
For Vented Trough Bottom, Add	36.18	
26 05 36 00-2551 EA 9" Horizontal Cross, Fiberglass Cable Tray	194.98	96.91
For 9" Rung Spacing, Add	1.74	
For 6" Rung Spacing, Add	7.46	
For 4" Rung Spacing, Add	13.67	
For 18" Rung Spacing, Deduct	-1.24	
For Solid Bottom, Add	36.71	
For Vented Trough Bottom, Add	38.05	
26 05 36 00-2552 EA 12" Horizontal Cross, Fiberglass Cable Tray	206.79	103.87
For 9" Rung Spacing, Add	1.79	
For 6" Rung Spacing, Add	7.67	
For 4" Rung Spacing, Add	14.06	
For 18" Rung Spacing, Deduct	-1.28	
For Solid Bottom, Add	38.69	
For Vented Trough Bottom, Add	39.91	
26 05 36 00-2553 EA 18" Horizontal Cross, Fiberglass Cable Tray	221.25	110.71
For 9" Rung Spacing, Add	1.93	
For 6" Rung Spacing, Add	8.28	
For 4" Rung Spacing, Add	15.19	
For 18" Rung Spacing, Deduct	-1.38	
For Solid Bottom, Add	41.47	
For Vented Trough Bottom, Add	42.84	
26 05 36 00-2554 EA 24" Horizontal Cross, Fiberglass Cable Tray	234.74	117.66
For 9" Rung Spacing, Add	2.04	
For 6" Rung Spacing, Add	8.75	
For 4" Rung Spacing, Add	16.05	
For 18" Rung Spacing, Deduct	-1.46	
For Solid Bottom, Add	43.96	
For Vented Trough Bottom, Add	45.39	
26 05 36 00-2555 EA 30" Horizontal Cross, Fiberglass Cable Tray	250.28	124.61
For 9" Rung Spacing, Add	2.22	
For 6" Rung Spacing, Add	9.53	
For 4" Rung Spacing, Add	17.47	
For 18" Rung Spacing, Deduct	-1.59	
For Solid Bottom, Add	47.07	
For Vented Trough Bottom, Add	48.75	
26 05 36 00-2556 EA 36" Horizontal Cross, Fiberglass Cable Tray	270.44	133.54
For 9" Rung Spacing, Add	2.46	
For 6" Rung Spacing, Add	10.53	
For 4" Rung Spacing, Add	19.30	
For 18" Rung Spacing, Deduct	-1.75	
For Solid Bottom, Add	51.09	
For Vented Trough Bottom, Add	53.10	
26 05 36 00-2557 Horizontal Wyes <small>(26 05 36 00-2516)</small>		
26 05 36 00-2558 EA 6" Horizontal Wye, Fiberglass Cable Tray	111.69	51.88
For 9" Rung Spacing, Add	1.19	
For 6" Rung Spacing, Add	5.08	
For 4" Rung Spacing, Add	9.31	
For 18" Rung Spacing, Deduct	-0.85	
For Solid Bottom, Add	21.83	
For Vented Trough Bottom, Add	23.28	
26 05 36 00-2559 EA 9" Horizontal Wye, Fiberglass Cable Tray	118.25	55.41
For 9" Rung Spacing, Add	1.23	
For 6" Rung Spacing, Add	5.29	
For 4" Rung Spacing, Add	9.69	
For 18" Rung Spacing, Deduct	-0.88	
For Solid Bottom, Add	23.02	
For Vented Trough Bottom, Add	24.47	
26 05 36 00-2560 EA 12" Horizontal Wye, Fiberglass Cable Tray	145.53	72.63
For 9" Rung Spacing, Add	1.28	
For 6" Rung Spacing, Add	5.49	
For 4" Rung Spacing, Add	10.06	
For 18" Rung Spacing, Deduct	-0.91	
For Solid Bottom, Add	27.32	
For Vented Trough Bottom, Add	28.25	

26 Electrical**26 05 Common Work Results For Electrical****26 05 36 Cable Trays For Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-2561 EA 18" Horizontal Wye, Fiberglass Cable Tray	162.70	81.66
For 9" Rung Spacing, Add	1.41	
For 6" Rung Spacing, Add	6.04	
For 4" Rung Spacing, Add	11.07	
For 18" Rung Spacing, Deduct	-1.01	
For Solid Bottom, Add	30.44	
For Vented Trough Bottom, Add	31.41	
26 05 36 00-2562 EA 24" Horizontal Wye, Fiberglass Cable Tray	170.75	85.08
For 9" Rung Spacing, Add	1.51	
For 6" Rung Spacing, Add	6.47	
For 4" Rung Spacing, Add	11.86	
For 18" Rung Spacing, Deduct	-1.08	
For Solid Bottom, Add	32.08	
For Vented Trough Bottom, Add	33.20	
26 05 36 00-2563 EA 30" Horizontal Wye, Fiberglass Cable Tray	182.62	89.96
For 9" Rung Spacing, Add	1.67	
For 6" Rung Spacing, Add	7.16	
For 4" Rung Spacing, Add	13.13	
For 18" Rung Spacing, Deduct	-1.19	
For Solid Bottom, Add	34.55	
For Vented Trough Bottom, Add	35.96	
26 05 36 00-2564 EA 36" Horizontal Wye, Fiberglass Cable Tray	198.01	96.91
For 9" Rung Spacing, Add	1.85	
For 6" Rung Spacing, Add	7.91	
For 4" Rung Spacing, Add	14.51	
For 18" Rung Spacing, Deduct	-1.32	
For Solid Bottom, Add	37.61	
For Vented Trough Bottom, Add	39.26	
26 05 36 00-2565 Straight Reducers (26 05 36 00-2516)		
26 05 36 00-2566 EA 9"-6" Reducer, Fiberglass Cable Tray.....	50.31	20.75
For 9" Rung Spacing, Add	0.67	
For 6" Rung Spacing, Add	2.88	
For 4" Rung Spacing, Add	5.27	
For 18" Rung Spacing, Deduct	-0.48	
For Solid Bottom, Add	10.42	
For Vented Trough Bottom, Add	11.56	
26 05 36 00-2567 EA 12"-9" Reducer, Fiberglass Cable Tray.....	55.77	24.17
For 9" Rung Spacing, Add	0.68	
For 6" Rung Spacing, Add	2.92	
For 4" Rung Spacing, Add	5.35	
For 18" Rung Spacing, Deduct	-0.49	
For Solid Bottom, Add	11.28	
For Vented Trough Bottom, Add	12.32	
26 05 36 00-2568 EA 18"-12" Reducer, Fiberglass Cable Tray.....	61.22	27.70
For 9" Rung Spacing, Add	0.69	
For 6" Rung Spacing, Add	2.96	
For 4" Rung Spacing, Add	5.42	
For 18" Rung Spacing, Deduct	-0.49	
For Solid Bottom, Add	12.14	
For Vented Trough Bottom, Add	13.08	
26 05 36 00-2569 EA 24"-18" Reducer, Fiberglass Cable Tray.....	66.05	30.40
For 9" Rung Spacing, Add	0.71	
For 6" Rung Spacing, Add	3.06	
For 4" Rung Spacing, Add	5.61	
For 18" Rung Spacing, Deduct	-0.51	
For Solid Bottom, Add	12.97	
For Vented Trough Bottom, Add	13.87	
26 05 36 00-2570 EA 30"-24" Reducer, Fiberglass Cable Tray.....	73.61	33.20
For 9" Rung Spacing, Add	0.83	
For 6" Rung Spacing, Add	3.57	
For 4" Rung Spacing, Add	6.55	
For 18" Rung Spacing, Deduct	-0.60	
For Solid Bottom, Add	14.61	
For Vented Trough Bottom, Add	15.75	
26 05 36 00-2571 EA 36"-30" Reducer, Fiberglass Cable Tray.....	82.64	36.74
For 9" Rung Spacing, Add	0.97	
For 6" Rung Spacing, Add	4.15	
For 4" Rung Spacing, Add	7.60	
For 18" Rung Spacing, Deduct	-0.69	
For Solid Bottom, Add	16.54	
For Vented Trough Bottom, Add	17.93	
26 05 36 00-2572 Vertical Tees (26 05 36 00-2516)		
26 05 36 00-2573 EA 6" Vertical Tee, Fiberglass Cable Tray.....	149.78	51.88
For 9" Rung Spacing, Add	2.52	
For 6" Rung Spacing, Add	10.79	
For 4" Rung Spacing, Add	19.79	
For 18" Rung Spacing, Deduct	-1.80	
For Solid Bottom, Add	33.26	
For Vented Trough Bottom, Add	38.51	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-2574 EA 9" Vertical Tee, Fiberglass Cable Tray For 9" Rung Spacing, Add For 6" Rung Spacing, Add For 4" Rung Spacing, Add For 18" Rung Spacing, Deduct For Solid Bottom, Add For Vented Trough Bottom, Add	155.85 2.55 10.93 20.03 -1.82 34.31 39.52	55.41
26 05 36 00-2575 EA 12" Vertical Tee, Fiberglass Cable Tray For 9" Rung Spacing, Add For 6" Rung Spacing, Add For 4" Rung Spacing, Add For 18" Rung Spacing, Deduct For Solid Bottom, Add For Vented Trough Bottom, Add	182.66 2.58 11.06 20.27 -1.84 38.46 43.11	72.63
26 05 36 00-2576 EA 18" Vertical Tee, Fiberglass Cable Tray For 9" Rung Spacing, Add For 6" Rung Spacing, Add For 4" Rung Spacing, Add For 18" Rung Spacing, Deduct For Solid Bottom, Add For Vented Trough Bottom, Add	198.21 2.65 11.37 20.84 -1.89 41.10 45.61	81.66
26 05 36 00-2577 EA 24" Vertical Tee, Fiberglass Cable Tray For 9" Rung Spacing, Add For 6" Rung Spacing, Add For 4" Rung Spacing, Add For 18" Rung Spacing, Deduct For Solid Bottom, Add For Vented Trough Bottom, Add	205.30 2.72 11.65 21.36 -1.94 42.45 47.02	85.08
26 05 36 00-2578 EA 30" Vertical Tee, Fiberglass Cable Tray For 9" Rung Spacing, Add For 6" Rung Spacing, Add For 4" Rung Spacing, Add For 18" Rung Spacing, Deduct For Solid Bottom, Add For Vented Trough Bottom, Add	214.32 2.78 11.92 21.85 -1.99 44.06 48.64	89.96
26 05 36 00-2579 EA 36" Vertical Tee, Fiberglass Cable Tray For 9" Rung Spacing, Add For 6" Rung Spacing, Add For 4" Rung Spacing, Add For 18" Rung Spacing, Deduct For Solid Bottom, Add For Vented Trough Bottom, Add	233.02 3.07 13.16 24.13 -2.19 48.12 53.26	96.91

26 05 39 Underfloor Raceways for Electrical Systems (26 05)

26 05 39 00-0001 Underfloor Ducts <small>(26 05 39)</small>		
26 05 39 00-0002 Straight Duct Sections 10' Long, 14 Gauge Steel <small>(26 05 39 00-0001)</small>		
26 05 39 00-0003 Standard Ducts, 3.8 Square Inches <small>(26 05 39 00-0002)</small>		
26 05 39 00-0004 EA Standard Underfloor Straight Duct Blank Without Inserts, 10' Long, 14 Gauge, 3.8 Square Inches.....	67.12	18.26
26 05 39 00-0005 EA Standard Underfloor Straight Duct With 7/8" Inserts On 24" Centers, 10' Long, 14 Gauge, 3.8 Square Inches.....	82.87	21.38
26 05 39 00-0006 Large Capacity Ducts, 8.9 Square Inches <small>(26 05 39 00-0002)</small>		
26 05 39 00-0007 EA Large Capacity Underfloor Straight Duct Blank Without Inserts, 10' Long, 14 Gauge, 8.9 Square Inches.....	104.52	23.14
26 05 39 00-0008 EA Large Capacity Underfloor Straight Duct With 7/8" Inserts On 24" Centers, 10' Long, 14 Gauge, 8.9 Square Inches.....	118.78	25.63
26 05 39 00-0009 Junction Boxes <small>(26 05 39 00-0001)</small>		
26 05 39 00-0010 One Level Junction Boxes <small>(26 05 39 00-0009)</small>		
26 05 39 00-0011 EA 1 Level UF Duct Junction Box, 1 Standard Duct Without Partitions In Box.....	160.38	36.31
26 05 39 00-0012 EA 1 Level UF Duct Junction Box, 1 Large Duct Without Partitions In Box.....	179.30	38.91
26 05 39 00-0013 EA 1 Level UF Duct Junction Box, 1 Standard And Large Duct Per Side With Partitions In Box..... Note: Isolate each duct and form a continuous raceway through the box in both directions.	262.07	36.31
26 05 39 00-0014 EA 1 Level UF Duct Junction Box, 2 Standard Ducts Per Side With Partitions In Box.....	192.57	38.91
26 05 39 00-0015 EA 1 Level UF Duct Junction Box, 3 Standard Ducts Per Side With Partitions In Box.....	295.04	51.15
26 05 39 00-0016 EA 1 Level UF Duct Junction Box, 2 Large Ducts Per Side With Partitions In Box Duct.....	397.63	55.62
26 05 39 00-0017 Two Level Junction Boxes <small>(26 05 39 00-0009)</small>		
26 05 39 00-0018 EA 2 Level UF Duct Junction Box, 2 Standard Duct Cross, Intersects At Right Angles, Raceway Bottom Level..... Note: Accepts two standard ducts to form a continuous raceway at right angles to the top level raceway.	557.61	36.74
26 05 39 00-0019 EA 2 Level UF Duct Junction Box, 2 Large Duct Bottom Level: Accepts Two Large Capacity Ducts.....	638.22	38.91
26 05 39 00-0020 Elbow Fittings <small>(26 05 39 00-0001)</small>		
26 05 39 00-0021 90 Degree Horizontal Elbow <small>(26 05 39 00-0020)</small>		
26 05 39 00-0022 EA Underfloor Standard Duct Horizontal Elbow Fitting, 90 Degree.....	73.92	13.38
26 05 39 00-0023 EA Underfloor Large Duct Horizontal Elbow Fitting, 90 Degree.....	75.74	13.38

26 Electrical**26 05 Common Work Results For Electrical****26 05 39 Underfloor Raceways for Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 39 00-0024 90 Degree Vertical Elbow <small>(26 05 39 00-0020)</small>		
26 05 39 00-0025 EA Underfloor Standard Duct Vertical Elbow Fitting, 90 Degree	47.39	13.38
26 05 39 00-0026 EA Underfloor Large Duct Vertical Elbow Fitting, 90 Degree.....	48.12	13.38
26 05 39 00-0027 Offset Elbow <small>(26 05 39 00-0020)</small>		
Note: Two elbows required for crossover or crossunder.		
26 05 39 00-0028 EA Underfloor Standard Duct Offset Elbow 45 Degree, 2 Required For Over-Under.....	47.39	15.57
26 05 39 00-0029 EA Underfloor Large Duct Offset Elbow 45 Degree, 2 Required For Over-Under	48.12	15.57
26 05 39 00-0030 Couplings <small>(26 05 39 00-0001)</small>		
26 05 39 00-0031 Sleeve Couplings <small>(26 05 39 00-0030)</small>		
26 05 39 00-0032 EA Underfloor Standard Duct Sleeve Coupling	36.45	20.75
26 05 39 00-0033 EA Underfloor Large Duct Sleeve Coupling.....	58.64	20.75
26 05 39 00-0034 Expansion Couplings <small>(26 05 39 00-0030)</small>		
26 05 39 00-0035 EA Underfloor Standard Duct Expansion Coupling	70.69	20.75
26 05 39 00-0036 EA Underfloor Large Duct Expansion Coupling.....	71.60	21.89
26 05 39 00-0037 Reducing Couplings <small>(26 05 39 00-0030)</small>		
26 05 39 00-0038 EA Reducing Coupling, Large To Standard Duct Underfloor Duct Coupling	49.07	3.12
26 05 39 00-0039 Duct Supports <small>(26 05 39 00-0001)</small>		
26 05 39 00-0040 Combination Support And Coupling <small>(26 05 39 00-0039)</small>		
Note: Includes leveling legs and anchoring feet.		
26 05 39 00-0041 EA 1 Standard Duct Support And Coupling With Legs With Leveling Legs And Anchor Feet	84.69	43.58
26 05 39 00-0042 EA 2 Standard Duct Support And Coupling With Legs With Leveling Legs And Anchor Feet	95.30	43.58
26 05 39 00-0043 EA 3 Standard Duct Support And Coupling With Legs With Leveling Legs And Anchor Feet	105.99	43.58
26 05 39 00-0044 EA 1 Large Duct Support And Coupling With Legs With Leveling Legs And Anchor Feet	95.30	48.77
26 05 39 00-0045 EA 2 Large Duct Support And Coupling With Legs With Leveling Legs And Anchor Feet	116.92	48.77
26 05 39 00-0046 EA 1 Standard And 1 Large Duct Support And Coupling With Leveling Legs And Anchor Feet.....	105.99	51.88
26 05 39 00-0047 EA 2 Standard And 1 Large Duct Support And Coupling With Leveling Legs And Anchor Feet.....	105.99	51.88
26 05 39 00-0048 EA 1 Standard And 2 Large Duct Support And Coupling With Leveling Legs And Anchor Feet.....	116.92	51.88
26 05 39 00-0049 Duct Support Only <small>(26 05 39 00-0039)</small>		
Note: Includes leveling legs and anchoring feet.		
26 05 39 00-0050 EA 1 Underfloor Duct Support Only With Leveling Legs And Anchor Feet	74.79	38.39
26 05 39 00-0051 EA 2 Underfloor Duct Support Only With Leveling Legs And Anchor Feet	87.68	38.39
26 05 39 00-0052 EA 3 Underfloor Duct Support Only With Leveling Legs And Anchor Feet.....	101.08	38.39
26 05 39 00-0053 Underfloor Duct Accessories <small>(26 05 39 00-0001)</small>		
26 05 39 00-0054 Plugs For Unused Junction Box Openings And Duct Ends <small>(26 05 39 00-0053)</small>		
26 05 39 00-0055 EA Standard Plugs For Unused Junction Box Opening And Underfloor Duct Ends	6.63	3.12
26 05 39 00-0056 EA Large Plugs For Unused Junction Box Opening And Underfloor Duct Ends.....	7.17	3.12
26 05 39 00-0057 Conduit Adapters <small>(26 05 39 00-0053)</small>		
26 05 39 00-0058 EA One 1-1/4" Conduit To Standard Duct Underfloor Conduit To Duct, Adapter	21.91	5.19
26 05 39 00-0059 EA Two 1-1/4" Conduit To Standard Duct Underfloor Conduit To Duct, Adapter	23.53	5.19
26 05 39 00-0060 EA One 2" Conduit To Standard Duct Underfloor Conduit To Duct, Adapter.....	22.98	5.19
26 05 39 00-0061 EA Three 1-1/4" Conduit To Large Duct Underfloor Conduit To Duct, Adapter	24.07	5.19
26 05 39 00-0062 Holder And Caps <small>(26 05 39 00-0053)</small>		
26 05 39 00-0063 EA Tile Holder, Underfloor Duct Accessories	156.26	43.58
26 05 39 00-0064 EA Terrazzo Holder, Underfloor Duct Accessories.....	261.34	43.58
26 05 39 00-0065 EA Closing Caps For Inserts, Underfloor Duct Accessories	2.20	1.04
26 05 39 00-0066 Underfloor Dust Pans <small>(26 05 39 00-0001)</small>		
26 05 39 00-0067 EA Underfloor Dust Carpet Pan.....	55.22	5.69

26 05 43 Underground Ducts And Raceways For Electrical Systems (26 05)

Note: Underground utilities and conduits include warning tape.

26 05 43 00-0001 **Duct Bank** (26 05 43)

Note: Installation of single or multiple configuration underground utility raceways to have 3" concrete leveling base and encased in concrete envelope. Based on 100' run, minimum 30" bury depth. Labor units include material handling, unloading at job site, layout of job, measuring, cutting and fabrication, installation in trench using the



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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appropriate supports, cleaning to remove any obstructions and installation of nylon pull string. Excludes trenching, concrete, backfilling, grading and seeding. Duct Banks are to be installed according to the appropriate sections of the accompanying specifications. Individual rows to be stacked for larger duct bank configurations.

26 05 43 00-0002 Rigid Galvanized Steel Conduit, Galvanized Rigid Conduit (GRC) Or Rigid Galvanized Steel (RGS), Duct Bank (26 05 43 00-0001)

Note: Includes appropriate spacers and fittings.

26 05 43 00-0003	LF	2 At 2", Rigid Galvanized Conduit Duct Bank	20.01	
26 05 43 00-0004	LF	4 At 2", Rigid Galvanized Conduit Duct Bank	40.04	
26 05 43 00-0005	LF	2 At 3", Rigid Galvanized Conduit Duct Bank	40.16	
26 05 43 00-0006	LF	4 At 3", Rigid Galvanized Conduit Duct Bank	80.51	
26 05 43 00-0007	LF	2 At 4", Rigid Galvanized Conduit Duct Bank	58.87	
26 05 43 00-0008	LF	4 At 4", Rigid Galvanized Conduit Duct Bank	118.72	
26 05 43 00-0009	LF	6 At 4", Rigid Galvanized Conduit Duct Bank	179.23	
26 05 43 00-0010	LF	2 At 5", Rigid Galvanized Conduit Duct Bank	103.61	
26 05 43 00-0011	LF	4 At 5", Rigid Galvanized Conduit Duct Bank	206.26	
26 05 43 00-0012	LF	6 At 5", Rigid Galvanized Conduit Duct Bank	320.63	
26 05 43 00-0013	LF	2 At 6", Rigid Galvanized Conduit Duct Bank	147.95	
26 05 43 00-0014	LF	4 At 6", Rigid Galvanized Conduit Duct Bank	296.86	
26 05 43 00-0015	LF	6 At 6", Rigid Galvanized Conduit Duct Bank	439.55	

26 05 43 00-0016 Polyvinyl Chloride (PVC), Type EB Duct Bank System (26 05 43 00-0001)

Note: Includes appropriate spacers and fittings.

26 05 43 00-0017	LF	1 At 2", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank	6.28	
26 05 43 00-0018	LF	2 At 2", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank	13.89	
26 05 43 00-0019	LF	4 At 2", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank	26.58	
26 05 43 00-0020	LF	1 At 3", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank	8.28	
26 05 43 00-0021	LF	2 At 3", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank	16.55	
26 05 43 00-0022	LF	4 At 3", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank	33.64	
26 05 43 00-0023	LF	1 At 4", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank	10.92	
26 05 43 00-0024	LF	2 At 4", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank	21.85	
26 05 43 00-0025	LF	4 At 4", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank	43.73	
26 05 43 00-0026	LF	6 At 4", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank	65.58	
26 05 43 00-0027	LF	1 At 5", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank	13.56	
26 05 43 00-0028	LF	2 At 5", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank	27.09	
26 05 43 00-0029	LF	4 At 5", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank	52.28	
26 05 43 00-0030	LF	6 At 5", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank	73.65	
26 05 43 00-0031	LF	1 At 6", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank	24.65	
26 05 43 00-0032	LF	2 At 6", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank	36.46	
26 05 43 00-0033	LF	4 At 6", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank	73.11	
26 05 43 00-0034	LF	6 At 6", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank	119.19	

26 05 43 00-0035 Polyvinyl Chloride (PVC), Type DB Duct Bank System (26 05 43 00-0001)

Note: Includes appropriate spacers and fittings.

26 05 43 00-0036	LF	1 At 2", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank	6.96	
26 05 43 00-0037	LF	2 At 2", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank	15.33	
26 05 43 00-0038	LF	4 At 2", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank	29.24	
26 05 43 00-0039	LF	1 At 3", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank	8.55	
26 05 43 00-0040	LF	2 At 3", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank	17.07	
26 05 43 00-0041	LF	4 At 3", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank	34.06	
26 05 43 00-0042	LF	1 At 4", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank	11.09	
26 05 43 00-0043	LF	2 At 4", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank	22.19	
26 05 43 00-0044	LF	4 At 4", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank	44.41	
26 05 43 00-0045	LF	6 At 4", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank	66.59	
26 05 43 00-0046	LF	1 At 5", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank	13.81	
26 05 43 00-0047	LF	2 At 5", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank	27.60	
26 05 43 00-0048	LF	4 At 5", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank	53.30	
26 05 43 00-0049	LF	6 At 5", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank	75.18	
26 05 43 00-0050	LF	1 At 6", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank	25.00	
26 05 43 00-0051	LF	2 At 6", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank	37.19	
26 05 43 00-0052	LF	4 At 6", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank	74.58	
26 05 43 00-0053	LF	6 At 6", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank	121.39	

26 05 43 00-0054 Male Or Female Adapters (26 05 43 00-0001)

26 05 43 00-0055	EA	2" Adapter	34.42	
26 05 43 00-0056	EA	3" Adapter	47.78	
26 05 43 00-0057	EA	4" Adapter	61.09	
26 05 43 00-0058	EA	5" Adapter	87.86	
26 05 43 00-0059	EA	6" Adapter	109.95	

26 05 46 Utility Poles for Electrical Systems (26 05)

26 05 46 00-0001	Wood Poles	<small>(26 05 46)</small>
26 05 46 00-0002	Wood Pole, Class 3, Penta-Treated To 8 LB Retention	<small>(26 05 46 00-0001)</small>

Note: Machine dig and set.

26 Electrical**26 05 Common Work Results For Electrical****26 05 46 Utility Poles for Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 46 00-0003 EA 25' Treated Wood Pole, Class 3, Machine Dig And Set.....	774.95	260.54
For Class 1 Pole, Add	88.83	
For Class 2 Pole, Add	50.76	
For Class 4 Pole, Deduct	-25.38	
For Class 5 Pole, Deduct	-76.14	
For Class 6 Pole, Deduct	-101.52	
26 05 46 00-0004 EA 30' Treated Wood Pole, Class 3, Machine Dig And Set.....	922.73	289.06
For Class 1 Pole, Add	120.60	
For Class 2 Pole, Add	68.91	
For Class 4 Pole, Deduct	-34.46	
For Class 5 Pole, Deduct	-103.37	
For Class 6 Pole, Deduct	-137.83	
26 05 46 00-0005 EA 35' Treated Wood Pole, Class 3, Machine Dig And Set.....	1,197.81	382.31
For Class 1 Pole, Add	151.65	
For Class 2 Pole, Add	86.66	
For Class 4 Pole, Deduct	-43.33	
For Class 5 Pole, Deduct	-129.99	
For Class 6 Pole, Deduct	-173.32	
26 05 46 00-0006 EA 40' Treated Wood Pole, Class 3, Machine Dig And Set.....	1,367.11	420.50
For Class 1 Pole, Add	184.15	
For Class 2 Pole, Add	105.23	
For Class 4 Pole, Deduct	-52.61	
For Class 5 Pole, Deduct	-157.84	
For Class 6 Pole, Deduct	-210.46	
26 05 46 00-0007 EA 45' Treated Wood Pole, Class 3, Machine Dig And Set.....	1,559.89	468.34
For Class 1 Pole, Add	218.09	
For Class 2 Pole, Add	124.62	
For Class 4 Pole, Deduct	-62.31	
For Class 5 Pole, Deduct	-186.94	
For Class 6 Pole, Deduct	-249.25	
26 05 46 00-0008 EA 50' Treated Wood Pole, Class 3, Machine Dig And Set.....	1,773.37	525.63
For Class 1 Pole, Add	252.76	
For Class 2 Pole, Add	144.43	
For Class 4 Pole, Deduct	-72.22	
For Class 5 Pole, Deduct	-216.65	
For Class 6 Pole, Deduct	-288.86	
26 05 46 00-0009 EA 55' Treated Wood Pole, Class 3, Machine Dig And Set.....	1,981.64	578.13
For Class 1 Pole, Add	288.86	
For Class 2 Pole, Add	165.06	
For Class 4 Pole, Deduct	-82.53	
For Class 5 Pole, Deduct	-247.60	
For Class 6 Pole, Deduct	-330.13	
26 05 46 00-0010 EA 60' Treated Wood Pole, Class 3, Machine Dig And Set.....	2,212.44	635.74
For Class 1 Pole, Add	329.30	
For Class 2 Pole, Add	188.17	
For Class 4 Pole, Deduct	-94.09	
For Class 5 Pole, Deduct	-282.26	
For Class 6 Pole, Deduct	-376.35	
26 05 46 00-0011 EA 65' Treated Wood Pole, Class 3, Machine Dig And Set.....	3,553.78	692.91
For Class 1 Pole, Add	758.77	
For Class 2 Pole, Add	433.58	
For Class 4 Pole, Deduct	-216.79	
For Class 5 Pole, Deduct	-650.38	
For Class 6 Pole, Deduct	-867.17	
26 05 46 00-0012 EA 70' Treated Wood Pole, Class 3, Machine Dig And Set.....	3,897.87	737.09
For Class 1 Pole, Add	848.28	
For Class 2 Pole, Add	484.73	
For Class 4 Pole, Deduct	-242.37	
For Class 5 Pole, Deduct	-727.10	
For Class 6 Pole, Deduct	-969.46	
26 05 46 00-0013 EA 75' Treated Wood Pole, Class 3, Machine Dig And Set.....	4,280.11	787.27
For Class 1 Pole, Add	946.94	
For Class 2 Pole, Add	541.11	
For Class 4 Pole, Deduct	-270.55	
For Class 5 Pole, Deduct	-811.66	
For Class 6 Pole, Deduct	-1,082.22	
26 05 46 00-0014 Removal And Relocation Of Wood Poles With Cross Arm <small>(26 05 46 00-0001)</small>		
26 05 46 00-0015 LF Removal And Relocation Of Up To 75' Wood Pole With Cross Arms	22.20	
26 05 46 00-0016 Crossarms <small>(26 05 46)</small>		
Note: Includes hardware and braces.		
26 05 46 00-0017 Wood Single Arm Crossarms <small>(26 05 46 00-0016)</small>		
26 05 46 00-0018 EA 3-1/2" x 4-1/2" x 5'-7", Single Arm Wood Crossarm, With Hardware And Braces.....	177.50	77.71
26 05 46 00-0019 EA 3-1/2" x 4-1/2" x 8'-0", Single Arm Wood Crossarm, With Hardware And Braces.....	215.86	77.71
26 05 46 00-0020 EA 3-3/4" x 4-3/4" x 10'-0", Single Arm Wood Crossarm, With Hardware And Braces.....	227.32	99.91
26 05 46 00-0021 Wood Double Arm Crossarms <small>(26 05 46 00-0016)</small>		
26 05 46 00-0022 EA 3-1/2" x 4-1/2" x 5'-7", Double Arm Wood Crossarm, With Hardware And Braces.....	461.61	216.47
26 05 46 00-0023 EA 3-1/2" x 4-1/2" x 8'-0", Double Arm Wood Crossarm, With Hardware And Braces.....	490.27	216.47
26 05 46 00-0024 EA 3-3/4" x 4-3/4" x 10'-0", Double Arm Wood Crossarm, With Hardware And Braces.....	511.67	216.47



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 46 00-0025 Fiberglass Crossarms <small>(26 05 46 00-0016)</small> Note: Includes hardware.		
26 05 46 00-0026 Single Phase, 15 Degree Angle <small>(26 05 46 00-0025)</small>		
26 05 46 00-0027 EA Fiberglass Cutout And Arrestor Bracket, 18", Minimum Ultimate Load 800 LB	192.63	
26 05 46 00-0028 EA Fiberglass Insulator Bracket, 14", 11/16" Diameter Hole, Minimum Ultimate Load 1,200 LB	246.57	46.62
26 05 46 00-0029 EA Fiberglass Insulator Bracket, 14", 1" Lead Threaded, Minimum Ultimate Load 1,200 LB	257.66	49.95
26 05 46 00-0030 Two Phase, 15 Degree Angle <small>(26 05 46 00-0025)</small>		
26 05 46 00-0031 EA Fiberglass Insulator Bracket, 36", Minimum Ultimate Load 1,200 LB	308.64	59.94
26 05 46 00-0032 Fiberglass Crossarm Accessories <small>(26 05 46 00-0025)</small>		
26 05 46 00-0033 EA Fiberglass Deadend Crossarm, 36", Minimum Ultimate Load 7,000 LB Per Conductor	434.95	76.59
26 05 46 00-0034 EA Fiberglass Deadend Crossarm, 36", Minimum Ultimate Load 12,000 LB Per Conductor	518.56	93.25
26 05 46 00-0035 EA Pole Top Pin, Hot Dip Galvanized, 18", 1" Lead Threaded.....	75.64	13.33
26 05 46 00-0036 EA Three Phase Equipment Mounting Bracket	378.21	66.61
26 05 46 00-0037 EA Fiberglass Bull Horn Crossarm	315.72	111.01
26 05 46 00-0038 Insulator Support System <small>(26 05 46 00-0016)</small>		
26 05 46 00-0039 Epoxy Construction Units, In Place Mounting <small>(26 05 46 00-0038)</small> Note: Includes hardware.		
26 05 46 00-0040 EA 1-1/2" Diameter x 19" Long Pole Side Pins Vertical (1 Arm Installed), In Place Mounting.....	95.06	
26 05 46 00-0041 EA 1-1/2" Diameter x 15" Long Pole Top Pins, In Place Mounting.....	73.89	
26 05 46 00-0042 EA Deadend Arms, In Place Mounting	182.13	
26 05 46 00-0043 EA 1-1/2" Diameter x 18" Long Pole Side Pins Vertical (2 Arms Installed), In Place Mounting.....	145.24	
26 05 46 00-0044 Epoxy Construction Units, Grounding Mounting <small>(26 05 46 00-0038)</small> Note: Includes hardware.		
26 05 46 00-0045 EA 1-1/2" Diameter x 18" Long Pole Side Pins Vertical, Grounding Mounting	62.93	
26 05 46 00-0046 EA 1-1/2" Diameter x 15" Long Pole Top Pins, Grounding Mounting	52.48	
26 05 46 00-0047 EA Deadend Arms, Grounding Mounting	160.72	
26 05 46 00-0048 Guying <small>(26 05 46)</small> Note: Includes cable, anchor and rod assembly, guy marker.		
26 05 46 00-0049 Down Guy <small>(26 05 46 00-0048)</small>		
26 05 46 00-0050 EA Down Guy For 25' To 40' Pole.....	718.20	310.82
26 05 46 00-0051 EA Down Guy For 45' To 60' Pole.....	727.64	310.82
26 05 46 00-0052 EA Down Guy For 65' To 75' Pole.....	747.05	310.82
26 05 46 00-0053 EA Guy Guard, Plastic.....	23.10	
26 05 46 00-0054 Head Guy, 50' Spans <small>(26 05 46 00-0048)</small>		
26 05 46 00-0055 EA Head Guy (50' Span), For 25' To 40' Pole	1,059.50	477.33
26 05 46 00-0056 EA Head Guy (50' Span), For 45' To 60' Pole	1,059.50	477.33
26 05 46 00-0057 EA Head Guy (50' Span), For 65' To 75' Pole	1,059.50	477.33
26 05 46 00-0058 Guy Strain Insulators Additional Insulators <small>(26 05 46 00-0048)</small> Note: As required at same material cost and labor.		
26 05 46 00-0059 EA Guy Strain Insulator	468.48	233.11
26 05 46 00-0060 Pole Anchor <small>(26 05 46 00-0048)</small> Note: Joslyn.		
26 05 46 00-0061 EA Pole Anchor, 4" Helix, 3/4" x 54" Shaft	68.22	
26 05 46 00-0062 EA Pole Anchor, 6" Helix, 3/4" x 66" Shaft	72.92	
26 05 46 00-0063 EA Pole Anchor, 8" Helix, 1" x 66" Shaft	83.96	
26 05 46 00-0064 EA Pole Anchor, 10" Helix, 1-1/4" x 66" Shaft	103.33	
26 05 46 00-0065 EA Pole Anchor, 10" Helix, 1-1/4" x 8' Shaft	137.60	
26 05 46 00-0066 EA Pole Anchor, 16" Helix, 1-1/4" x 8' Shaft.....	180.11	
26 05 46 00-0067 Insulators <small>(26 05 46)</small>		
26 05 46 00-0068 Pin Insulator With Pin <small>(26 05 46 00-0067)</small>		
26 05 46 00-0069 EA 5 KV Class 55-3, Pin Insulator With Pin.....	148.22	66.61
26 05 46 00-0070 EA 15 KV Class 55-5, Pin Insulator With Pin.....	152.05	66.61
26 05 46 00-0071 Suspension Insulator <small>(26 05 46 00-0067)</small> Note: Includes clevis and strain clamp.		
26 05 46 00-0072 EA 5 KV Class 52-2, Suspension Insulator, With Clevis And Strain Clamp.....	187.50	88.81
26 05 46 00-0073 EA 15 KV Class 52-4, Suspension Insulator, With Clevis And Strain Clamp.....	197.92	88.81

26 Electrical**26 05 Common Work Results For Electrical****26 05 46 Utility Poles for Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 46 00-0074 EA 25 KV Class 2 x 52-4, Suspension Insulator, With Clevis And Strain Clamp	276.29	111.01
26 05 46 00-0075 EA 50 KV Class 4 x 52-4, Suspension Insulator, With Clevis And Strain Clamp	435.78	177.61
26 05 46 00-0076 Spool Insulator With Clevis (26 05 46 00-0067)		
26 05 46 00-0077 EA 5 KV Class 53-5, Spool Insulator With Clevis	62.42	27.75
26 05 46 00-0078 EA 15 KV Class, Spool Insulator With Clevis	199.69	99.91
26 05 46 00-0079 EA 25 KV Class, Spool Insulator With Clevis	259.11	99.91
26 05 46 00-0080 Secondary Rack (26 05 46 00-0067)		
26 05 46 00-0081 EA 1 Spool Secondary Rack	124.11	55.51
26 05 46 00-0082 EA 2 Spool Secondary Rack	127.47	70.82
26 05 46 00-0083 EA 3 Spool Secondary Rack	190.93	94.36
26 05 46 00-0084 EA 4 Spool Secondary Rack	214.75	94.36
26 05 46 00-0085 Outdoor Load Break Switches (26 05 46)		
Note: 3-Phase, group operated, 3-insulator, vertical break, high strength pin insulators worm gear operating mechanism operating rods, mechanisms, and switch bases are galvanized steel.		
26 05 46 00-0086 7.2 KV Outdoor Load Break Switches (26 05 46 00-0085)		
26 05 46 00-0087 EA 600 Amp, 7.2 KV, Outdoor Load Break Switch, 3 Phase Vertical Break, 3 Insulator	2,836.35	377.43
26 05 46 00-0088 EA 1,200 Amp, 7.2 KV, Outdoor Load Break Switch, 3 Phase Vertical Break, 3 Insulator	5,376.44	377.43
26 05 46 00-0089 EA 1,600 Amp, 7.2 KV, Outdoor Load Break Switch, 3 Phase Vertical Break, 3 Insulator	7,990.62	638.29
26 05 46 00-0090 EA 2,000 Amp, 7.2 KV, Outdoor Load Break Switch, 3 Phase Vertical Break, 3 Insulator	8,220.16	638.29
26 05 46 00-0091 14.4 KV Outdoor Load Break Switches (26 05 46 00-0085)		
26 05 46 00-0092 EA 600 Amp, 14.4 KV, Outdoor Load Break Switch, 3 Phase Vertical Break, 3 Insulator	3,414.90	377.43
26 05 46 00-0093 EA 1,200 Amp, 14.4 KV, Outdoor Load Break Switch, 3 Phase Vertical Break, 3 Insulator	6,304.94	377.43
26 05 46 00-0094 EA 1,600 Amp, 14.4 KV, Outdoor Load Break Switch, 3 Phase Vertical Break, 3 Insulator	7,990.62	638.29
26 05 46 00-0095 EA 2,000 Amp, 14.4 KV, Outdoor Load Break Switch, 3 Phase Vertical Break, 3 Insulator	8,220.16	638.29
26 05 46 00-0096 23 KV Outdoor Load Break Switches (26 05 46 00-0085)		
26 05 46 00-0097 EA 600 Amp, 23 KV, Outdoor Load Break Switch, 3 Phase Vertical Break, 3 Insulator	3,780.25	438.48
26 05 46 00-0098 EA 1,200 Amp, 23 KV, Outdoor Load Break Switch, 3 Phase Vertical Break, 3 Insulator	6,911.31	438.48
26 05 46 00-0099 EA 1,600 Amp, 23 KV, Outdoor Load Break Switch, 3 Phase Vertical Break, 3 Insulator	8,408.14	754.85
26 05 46 00-0100 EA 2,000 Amp, 23 KV, Outdoor Load Break Switch, 3 Phase Vertical Break, 3 Insulator	8,645.20	754.85
26 05 46 00-0101 Square Distribution Poles (26 05 46)		
26 05 46 00-0102 Square Steel Tapered Shaft Distribution Poles (26 05 46 00-0101)		
26 05 46 00-0103 EA 20', Steel Taped Shaft Distribution Pole.....	2,250.10	471.79
26 05 46 00-0104 EA 25', Steel Taped Shaft Distribution Pole.....	2,518.38	499.53
26 05 46 00-0105 EA 30', Steel Taped Shaft Distribution Pole.....	2,740.31	555.04
26 05 46 00-0106 EA 35', Steel Taped Shaft Distribution Pole.....	3,029.59	610.55
26 05 46 00-0107 EA 40', Steel Taped Shaft Distribution Pole.....	4,006.68	666.04
26 05 46 00-0108 Square Prestressed Concrete Distribution Poles (26 05 46 00-0101)		
26 05 46 00-0109 EA 30', Prestressed Concrete Square Pole For Distribution.....	2,900.44	843.86
26 05 46 00-0110 EA 35', Prestressed Concrete Square Pole For Distribution.....	3,214.77	925.53
26 05 46 00-0111 EA 40', Prestressed Concrete Square Pole For Distribution.....	3,725.16	1,034.41
26 05 46 00-0112 EA 45', Prestressed Concrete Square Pole For Distribution.....	4,184.37	1,143.30
26 05 46 00-0113 EA 50', Prestressed Concrete Square Pole For Distribution.....	5,020.62	1,388.29
26 05 46 00-0114 EA 55', Prestressed Concrete Square Pole For Distribution.....	5,887.24	1,633.28
26 05 46 00-0115 EA 60', Prestressed Concrete Square Pole For Distribution.....	6,886.64	1,851.05
26 05 46 00-0116 EA 65', Prestressed Concrete Square Pole For Distribution.....	8,351.06	2,286.60
26 05 46 00-0117 EA 70', Prestressed Concrete Square Pole For Distribution.....	9,318.42	2,504.37
26 05 46 00-0118 Aluminum Tapered Poles (26 05 46)		
26 05 46 00-0119 Aluminum Tapered Round Seamless Shaft Poles (26 05 46 00-0118)		
26 05 46 00-0120 EA 20', Aluminum Tapered Round Seamless Shaft Pole For Distribution	2,361.92	416.28
26 05 46 00-0121 EA 25', Aluminum Tapered Round Seamless Shaft Pole For Distribution	3,260.18	444.03
26 05 46 00-0122 EA 30', Aluminum Tapered Round Seamless Shaft Pole For Distribution	3,745.24	499.53
26 05 46 00-0123 EA 35', Aluminum Tapered Round Seamless Shaft Pole For Distribution	4,427.98	555.04
26 05 46 00-0124 EA 40', Aluminum Tapered Round Seamless Shaft Pole For Distribution	6,613.65	610.55
26 05 46 00-0125 Steel Service Poles Distribution (26 05 46)		
Note: Direct embedded, bearing plate on base end, pole cap on top end, grounding nut, galvanized finish.		
26 05 46 00-0126 Round Tapered Pole (26 05 46 00-0125)		
26 05 46 00-0127 EA 40', Galvanized Steel Tapered Round Pole For Distribution.....	3,351.56	666.04
26 05 46 00-0128 EA 45', Galvanized Steel Tapered Round Pole For Distribution	3,869.46	721.55
26 05 46 00-0129 EA 50', Galvanized Steel Tapered Round Pole For Distribution.....	4,126.62	777.05



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 46 00-0130 EA 55', Galvanized Steel Tapered Round Pole For Distribution.....	4,847.45	888.06
26 05 46 00-0131 EA 60', Galvanized Steel Tapered Round Pole For Distribution.....	5,948.98	999.07
26 05 46 00-0132 EA 65', Galvanized Steel Tapered Round Pole For Distribution.....	7,089.04	1,279.40
26 05 46 00-0133 EA 70', Galvanized Steel Tapered Round Pole For Distribution.....	7,905.49	1,451.44
26 05 46 00-0134 EA 75', Galvanized Steel Tapered Round Pole For Distribution.....	8,747.24	1,633.28
26 05 46 00-0135 EA 80', Galvanized Steel Tapered Round Pole For Distribution.....	9,833.08	1,851.05
26 05 46 00-0136 EA 85', Galvanized Steel Tapered Round Pole For Distribution.....	10,501.83	1,959.93
26 05 46 00-0137 EA 90', Galvanized Steel Tapered Round Pole For Distribution.....	11,423.63	2,177.71
26 05 46 00-0138 EA 95', Galvanized Steel Tapered Round Pole For Distribution.....	12,571.34	2,449.93
26 05 46 00-0139 EA 100', Galvanized Steel Tapered Round Pole For Distribution.....	13,923.68	2,776.58
26 05 46 00-0140	12 Sided Tapered <small>(26 05 46 00-0125)</small>	
26 05 46 00-0141 EA 40', Galvanized Steel Tapered 12 Sided Pole For Distribution.....	5,516.04	666.04
26 05 46 00-0142 EA 45', Galvanized Steel Tapered 12 Sided Pole For Distribution.....	6,080.84	721.55
26 05 46 00-0143 EA 50', Galvanized Steel Tapered 12 Sided Pole For Distribution.....	6,724.11	777.05
26 05 46 00-0144 EA 55', Galvanized Steel Tapered 12 Sided Pole For Distribution.....	7,403.94	888.06
26 05 46 00-0145 EA 60', Galvanized Steel Tapered 12 Sided Pole For Distribution.....	9,757.42	999.07
26 05 46 00-0146 EA 65', Galvanized Steel Tapered 12 Sided Pole For Distribution.....	10,920.89	1,279.40
26 05 46 00-0147 EA 70', Galvanized Steel Tapered 12 Sided Pole For Distribution.....	12,638.24	1,451.44
26 05 46 00-0148 EA 75', Galvanized Steel Tapered 12 Sided Pole For Distribution.....	13,629.17	1,633.28
26 05 46 00-0149 EA 80', Galvanized Steel Tapered 12 Sided Pole For Distribution.....	14,708.88	1,851.05
26 05 46 00-0150 EA 85', Galvanized Steel Tapered 12 Sided Pole For Distribution.....	15,585.62	1,959.93
26 05 46 00-0151 EA 90', Galvanized Steel Tapered 12 Sided Pole For Distribution.....	17,674.49	2,177.71
26 05 46 00-0152 EA 95', Galvanized Steel Tapered 12 Sided Pole For Distribution.....	18,804.68	2,449.93
26 05 46 00-0153 EA 100', Galvanized Steel Tapered 12 Sided Pole For Distribution.....	20,197.94	2,776.58
26 05 46 00-0154 EA 105', Galvanized Steel Tapered 12 Sided Pole For Distribution.....	21,679.61	3,103.23
26 05 46 00-0155	Standard Options For Round, 12 Sided and Octagonal Tapered Poles <small>(26 05 46 00-0125)</small>	
26 05 46 00-0156 EA Ladder Clips.....	12.30	
26 05 46 00-0157 EA Coal Tar Epoxy Coating From Base To 1' Above Ground Line.....	92.32	
26 05 46 00-0158 EA Ground Sleeve-2' At Ground Line.....	92.85	
26 05 46 00-0159	Arms With Baseplates And Endplates <small>(26 05 46 00-0125)</small>	
26 05 46 00-0160 EA 4' Arm With Baseplate And Endplate.....	496.57	111.01
26 05 46 00-0161 EA 5' Arm With Baseplate And Endplate.....	533.79	111.01
26 05 46 00-0162 EA 6' Arm With Baseplate And Endplate.....	682.88	166.51
26 05 46 00-0163 EA 7' Arm With Baseplate And Endplate.....	715.45	166.51
26 05 46 00-0164 EA 8' Arm With Baseplate And Endplate.....	862.85	222.01
26 05 46 00-0165 EA 9' Arm With Baseplate And Endplate.....	900.06	222.01
26 05 46 00-0166 EA 10' Arm With Baseplate And Endplate.....	1,183.28	277.52
26 05 46 00-0167 EA 11' Arm With Baseplate And Endplate.....	1,225.04	277.52
26 05 46 00-0168	Standard Vangs Load Bearing At Any Angle <small>(26 05 46 00-0125)</small>	
26 05 46 00-0169 EA 15,000 LB Standard Vangs Load Bearing At Any Angle.....	252.71	111.01
26 05 46 00-0170 EA 30,000 LB Standard Vangs Load Bearing At Any Angle.....	275.52	111.01
26 05 46 00-0171 EA 45,000 LB Standard Vangs Load Bearing At Any Angle.....	306.71	111.01
26 05 46 00-0172	Armless Construction Brackets <small>(26 05 46 00-0125)</small>	
26 05 46 00-0173	Verticals Insulator And Equipment Bracket <small>(26 05 46 00-0172)</small>	
26 05 46 00-0174 EA 7" 1 Position Vertical Insulation And Equipment Bracket.....	256.43	111.01
26 05 46 00-0175 EA 12" 1 Position Vertical Insulation And Equipment Bracket.....	270.83	111.01
26 05 46 00-0176 EA 12" 3 Position Vertical Insulation And Equipment Bracket.....	294.23	111.01
26 05 46 00-0177 EA 18" 1 Position Vertical Insulation And Equipment Bracket.....	420.79	166.51
26 05 46 00-0178 EA 18" 3 Position Vertical Insulation And Equipment Bracket.....	434.45	166.51
26 05 46 00-0179	Horizontal And Multiple Insulator Brackets <small>(26 05 46 00-0172)</small>	
26 05 46 00-0180 EA Sidepole 1 7/8" Clearance Horizontal And Multiple Insulation Brackets.....	245.22	111.01
26 05 46 00-0181 EA Sidepole 2" Clearance Horizontal And Multiple Insulation Brackets.....	275.48	111.01
26 05 46 00-0182 EA Sidepole 9" Clearance Horizontal And Multiple Insulation Brackets.....	406.13	166.51
26 05 46 00-0183 EA Sidepole 10" Clearance Horizontal And Multiple Insulation Brackets.....	477.55	166.51
26 05 46 00-0184 EA Sidepole 15" Clearance Horizontal And Multiple Insulation Brackets.....	618.07	222.01
26 05 46 00-0185 EA Sidepole 20" Clearance Horizontal And Multiple Insulation Brackets.....	655.98	222.01
26 05 46 00-0186	Pole Top Bracket And Pins <small>(26 05 46 00-0172)</small>	
26 05 46 00-0187 EA Pole Top Pin - 5".....	249.61	111.01
26 05 46 00-0188 EA Pole Top Bracket - 5".....	256.96	111.01
26 05 46 00-0189	Angle Pins <small>(26 05 46 00-0172)</small>	
26 05 46 00-0190 EA Angle Pin - 25 Degree, 6".....	248.62	111.01
26 05 46 00-0191 EA Angle Pin - 25 Degree, 7 1/4".....	272.48	111.01

26 Electrical**26 05 Common Work Results For Electrical****26 05 46 Utility Poles for Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 46 00-0192 Static And Neutral Wire Brackets (26 05 46 00-0172)		
26 05 46 00-0193 EA Neutral Wire Extension Bracket	258.02	111.01
26 05 46 00-0194 EA Static Wire Support Bracket	260.60	111.01
26 05 46 00-0195 Cutout, Arrestor And Terminator Brackets (26 05 46 00-0172)		
26 05 46 00-0196 EA Cutout And Arrestor, With Mounting Bracket	240.32	111.01
26 05 46 00-0197 EA Equipment Mounting T Bracket	252.31	111.01
26 05 46 00-0198 EA 15 KV Cutout	307.17	
26 05 46 00-0199 EA 9/10 KV Arrestor	290.31	111.01
26 05 46 00-0200 Spacer Cable, Conduit Support And Cluster Bracket (26 05 46 00-0172)		
26 05 46 00-0201 EA Parallel Cable Spacer	276.55	111.01
26 05 46 00-0202 EA Conduit Standoff Support Bracket	268.31	111.01
26 05 46 00-0203 EA Three Transformer Pole Mounted Cluster Bracket	554.05	111.01
26 05 46 00-0204 15 KV 200 Amp Solenoid Operated High Voltage Switch (26 05 46 00-0172)		
Note: Includes pole mounting bracket.		
26 05 46 00-0205 EA 15 KV, 1 Phase, Solenoid Switch With Pole Bracket	1,297.87	277.52
26 05 46 00-0206 Octagonal Tapered (26 05 46 00-0125)		
26 05 46 00-0207 EA 40', Galvanized Steel Tapered Octagonal Pole For Distribution	5,676.92	666.04
26 05 46 00-0208 EA 45', Galvanized Steel Tapered Octagonal Pole For Distribution	6,259.27	721.55
26 05 46 00-0209 EA 50', Galvanized Steel Tapered Octagonal Pole For Distribution	6,923.01	777.05
26 05 46 00-0210 EA 55', Galvanized Steel Tapered Octagonal Pole For Distribution	7,620.39	943.56
26 05 46 00-0211 EA 60', Galvanized Steel Tapered Octagonal Pole For Distribution	10,055.77	999.07
26 05 46 00-0212 EA 65', Galvanized Steel Tapered Octagonal Pole For Distribution	11,242.65	1,279.40
26 05 46 00-0213 EA 70', Galvanized Steel Tapered Octagonal Pole For Distribution	13,012.65	1,361.07
26 05 46 00-0214 EA 75', Galvanized Steel Tapered Octagonal Pole For Distribution	14,028.44	1,633.28
26 05 46 00-0215 EA 80', Galvanized Steel Tapered Octagonal Pole For Distribution	15,131.54	1,742.17
26 05 46 00-0216 EA 85', Galvanized Steel Tapered Octagonal Pole For Distribution	16,033.16	1,959.93
26 05 46 00-0217 EA 90', Galvanized Steel Tapered Octagonal Pole For Distribution	18,184.92	2,068.83
26 05 46 00-0218 EA 95', Galvanized Steel Tapered Octagonal Pole For Distribution	19,341.44	2,449.93
26 05 46 00-0219 EA 100', Galvanized Steel Tapered Octagonal Pole For Distribution	20,761.02	2,613.25
26 05 46 00-0220 EA 105', Galvanized Steel Tapered Octagonal Pole For Distribution	22,271.93	2,939.91
26 05 46 00-0221 Removal And Relocation Of Steel Service Poles (26 05 46 00-0125)		
26 05 46 00-0222 LF Removal And Relocation Of Steel Service Poles With Arms Up To 60'	38.85	
26 05 46 00-0223 Special Steel Bases For Poles (26 05 46 00-0125)		
26 05 46 00-0224 EA Spin-In Steel Base For Poles	186.61	
26 05 46 00-0225 EA Series 3, 25' Pole And less	202.55	55.51
26 05 46 00-0226 EA Series 4, 40' Pole And less	239.55	63.83
26 05 46 00-0227 EA Series 5, 50' Pole And less	270.99	69.38
26 05 46 00-0228 Primary Fuse Cutouts (26 05 46)		
Note: Interrupting rating RMS, amperes - 25,000 symmetric and 40,000 asymmetric.		
26 05 46 00-0229 Non-Loadbreak Current Limiting Primary Fuse Cutouts (26 05 46 00-0228)		
Note: Includes the fuse and cut-out switch.		
26 05 46 00-0230 8.3 KV-95 KV-BIL Non-Loadbreak Current Limiting (26 05 46 00-0229)		
26 05 46 00-0231 EA 15 A Primary Fuse Cutout 8.3 KV - 95 KV Non-Loadbreak Current Limiting	520.39	277.52
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	133.21	
26 05 46 00-0232 EA 25 A Primary Fuse Cutout 8.3 KV - 95 KV Non-Loadbreak Current Limiting	631.40	277.52
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	166.51	
26 05 46 00-0233 EA 40 A Primary Fuse Cutout 8.3 KV - 95 KV Non-Loadbreak Current Limiting	742.03	277.52
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	199.70	
26 05 46 00-0234 EA 100 A Primary Fuse Cutout 8.3 KV - 95 KV Non-Loadbreak Current Limiting	749.54	277.52
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	199.82	
26 05 46 00-0235 EA 200 A Primary Fuse Cutout 8.3 KV - 95 KV Non-Loadbreak Current Limiting	749.54	277.52
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	199.82	
26 05 46 00-0236 17.1 KV-95 KV-BIL Non-Loadbreak Current Limiting (26 05 46 00-0229)		
26 05 46 00-0237 EA 15 A Primary Fuse Cutout 17.1 KV - 95 KV Non-Loadbreak Current Limiting	520.39	222.01
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	133.21	
26 05 46 00-0238 17.1 KV-125 KV-BIL Non-Loadbreak Current Limiting (26 05 46 00-0229)		
26 05 46 00-0239 EA 15 A Primary Fuse Cutout 17.1 KV - 125 KV Non-Loadbreak Current Limiting	530.02	222.01
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	133.21	



MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
26 05 46 00-0240	Fuseholders <small>(26 05 46 00-0229)</small> Note: Including current limiting fuse.		
26 05 46 00-0241	EA 15 A 8.3 KV Primary Fuseholder With Fuse Non-Loadbreak Current Limiting..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	479.80 133.21	277.52
26 05 46 00-0242	EA 25 A 8.3 KV Primary Fuseholder With Fuse Non-Loadbreak Current Limiting..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	590.81 166.51	277.52
26 05 46 00-0243	EA 40 A 8.3 KV Primary Fuseholder With Fuse Non-Loadbreak Current Limiting..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	701.44 199.70	277.52
26 05 46 00-0244	EA 100 A 8.3 KV Primary Fuseholder With Fuse Non-Loadbreak Current Limiting..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	483.13 133.21	277.52
26 05 46 00-0245	EA 200 A 8.3 KV Primary Fuseholder With Fuse Non-Loadbreak Current Limiting..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	594.14 166.51	277.52
26 05 46 00-0246	EA 15 A 17.1 KV Primary Fuseholder With Fuse Non-Loadbreak Current Limiting..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	479.80 133.21	222.01
26 05 46 00-0247	Accessories <small>(26 05 46 00-0229)</small>		
26 05 46 00-0248	EA Hot Line Clamp..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	65.45 16.65	24.98
26 05 46 00-0249	EA Stirrup.....	68.50	24.98
26 05 46 00-0250	Loadbreak Current Limiting Primary Fuse Cutouts <small>(26 05 46 00-0228)</small> Note: Includes fuse, cutout switch, crossarm mounting bracket and fuse holder.		
26 05 46 00-0251	8.3 KV-95 KV BIL Loadbreak Current Limiting <small>(26 05 46 00-0250)</small>		
26 05 46 00-0252	EA 15 A Primary Fuse Cutout 8.3 KV - 95 KV Loadbreak Current Limiting..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	595.37 133.21	277.52
26 05 46 00-0253	EA 25 A Primary Fuse Cutout 8.3 KV - 95 KV Loadbreak Current Limiting..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	706.38 166.51	277.52
26 05 46 00-0254	EA 40 A Primary Fuse Cutout 8.3 KV - 95 KV Loadbreak Current Limiting..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	817.01 199.70	277.52
26 05 46 00-0255	EA 100 A Primary Fuse Cutout 8.3 KV - 95 KV Loadbreak Current Limiting..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	831.51 199.82	277.52
26 05 46 00-0256	EA 200 A Primary Fuse Cutout 8.3 KV - 95 KV Loadbreak Current Limiting..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	831.51 199.82	277.52
26 05 46 00-0257	17.1 KV-95 KV BIL Loadbreak Current Limiting <small>(26 05 46 00-0250)</small>		
26 05 46 00-0258	EA 15 A Primary Fuse Cutout 17.1 KV - 95 KV Loadbreak Current Limiting..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	595.37 133.21	222.01
26 05 46 00-0259	17.1 KV-125 KV BIL Loadbreak Current Limiting <small>(26 05 46 00-0250)</small>		
26 05 46 00-0260	EA 15 A Primary Fuse Cutout 17.1 KV - 125 KV Loadbreak Current Limiting..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	595.37 133.21	222.01
26 05 46 00-0261	Fuseholders <small>(26 05 46 00-0250)</small> Note: Includes current limiting fuses.		
26 05 46 00-0262	EA 15 Amp, 8.3 KV Primary Fuseholder With Fuse Loadbreak Current Limiting..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	483.24 133.21	277.52
26 05 46 00-0263	EA 25 Amp, 8.3 KV Primary Fuseholder With Fuse Loadbreak Current Limiting..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	594.25 166.51	277.52
26 05 46 00-0264	EA 40 Amp, 8.3 KV Primary Fuseholder With Fuse Loadbreak Current Limiting..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	704.88 199.70	277.52
26 05 46 00-0265	EA 15 Amp, 17.1 KV Primary Fuseholder With Fuse Loadbreak Current Limiting..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	483.24 133.21	277.52
26 05 46 00-0266	Pole Mounted Capacitors <small>(26 05 46 00-0250)</small>		
26 05 46 00-0267	EA Capacitors - Pole Mounted 6 KVAR.....	874.97	223.80
26 05 46 00-0268	Pole Structure Assemblies <small>(26 05 46 00-0228)</small>		
26 05 46 00-0269	5 KV Pole Structure Assemblies <small>(26 05 46 00-0268)</small> Note: Includes insulator with pin, bayonet, bolts, washers, and neutral wire brackets.		
26 05 46 00-0270	EA Type OH-1, Single Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	434.03	210.91
26 05 46 00-0271	EA Type OH-2, Single Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	727.75	355.23
26 05 46 00-0272	EA Type OH-3, Single Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	693.86	277.52
26 05 46 00-0273	EA Type OH-4, Single Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	374.93	144.31
26 05 46 00-0274	EA Type OH-5, Single Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	496.88	199.81
26 05 46 00-0275	EA Type OH-6, Single Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	924.99	399.62
26 05 46 00-0276	EA Type OH-7, Three Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	708.66	299.72
26 05 46 00-0277	EA Type OH-8, Three Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	1,361.13	599.44
26 05 46 00-0278	EA Type OH-9, Three Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	1,536.53	677.14
26 05 46 00-0279	EA Type OH-10, Three Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	804.85	333.03
26 05 46 00-0280	EA Type OH-11, Three Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	758.02	355.23
26 05 46 00-0281	EA Type OH-12, Three Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	1,484.17	721.55

26 Electrical
26 05 Common Work Results For Electrical
26 05 46 Utility Poles for Electrical Systems



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 46 00-0282	EA		Type OH-13, Three Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	1,007.54	432.93
26 05 46 00-0283	EA		Type OH-14, Three Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	670.37	310.82
26 05 46 00-0284	EA		Type OH-15, Three Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	1,320.87	632.75
26 05 46 00-0285	EA		Type OH-16, Three Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	916.03	321.92
26 05 46 00-0286			15 KV Pole Structure Assemblies <small>(26 05 46 00-0286)</small> Note: Includes insulator with pin, bayonet, bolts, washers, and neutral wire brackets.		
26 05 46 00-0287	EA		Type OH-1, Single Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	443.66	210.91
26 05 46 00-0288	EA		Type OH-2, Single Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	741.51	355.23
26 05 46 00-0289	EA		Type OH-3, Single Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	740.63	277.52
26 05 46 00-0290	EA		Type OH-4, Single Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	391.44	144.31
26 05 46 00-0291	EA		Type OH-5, Single Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	520.27	188.71
26 05 46 00-0292	EA		Type OH-6, Single Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	971.76	399.62
26 05 46 00-0293	EA		Type OH-7, Three Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	743.06	299.72
26 05 46 00-0294	EA		Type OH-8, Three Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	1,431.29	599.44
26 05 46 00-0295	EA		Type OH-9, Three Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	1,631.46	677.14
26 05 46 00-0296	EA		Type OH-10, Three Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	851.62	333.03
26 05 46 00-0297	EA		Type OH-11, Three Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	775.90	355.23
26 05 46 00-0298	EA		Type OH-12, Three Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	1,502.05	721.55
26 05 46 00-0299	EA		Type OH-13, Three Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	1,043.31	432.93
26 05 46 00-0300	EA		Type OH-14, Three Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	688.25	299.72
26 05 46 00-0301	EA		Type OH-15, Three Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	1,338.75	632.75
26 05 46 00-0302	EA		Type OH-16, Three Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	951.80	388.53
26 05 46 00-0303			25 KV Pole Structure Assemblies <small>(26 05 46 00-0286)</small> Note: Includes insulator with pin, bayonet, bolts, washers, and neutral wire brackets.		
26 05 46 00-0304	EA		Type OH-3, Single Phase, 25 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	1,015.35	333.03
26 05 46 00-0305	EA		Type OH-4, Single Phase, 25 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	582.33	166.51
26 05 46 00-0306	EA		Type OH-5, Single Phase, 25 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	852.73	255.32
26 05 46 00-0307	EA		Type OH-6, Single Phase, 25 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	1,323.34	521.74
26 05 46 00-0308	EA		Type OH-7, Three Phase, 25 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	1,139.79	388.53
26 05 46 00-0309	EA		Type OH-8, Three Phase, 25 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	2,003.68	765.95
26 05 46 00-0310	EA		Type OH-9, Three Phase, 25 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	2,050.39	865.86
26 05 46 00-0311	EA		Type OH-13, Three Phase, 25 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	1,345.35	505.09
26 05 46 00-0312	EA		Type OH-16, Three Phase, 25 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	1,208.80	505.09
26 05 46 00-0313			50 KV Pole Structure Assemblies <small>(26 05 46 00-0286)</small> Note: Includes insulator with pin, bayonet, bolts, washers, and neutral wire brackets.		
26 05 46 00-0314	EA		Type OH-3, Single Phase, 50 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	1,364.97	455.13
26 05 46 00-0315	EA		Type OH-4, Single Phase, 50 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	723.10	233.11
26 05 46 00-0316	EA		Type OH-5, Single Phase, 50 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	1,005.58	366.33
26 05 46 00-0317	EA		Type OH-6, Single Phase, 50 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	1,939.62	743.75
26 05 46 00-0318	EA		Type OH-7, Three Phase, 50 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	1,473.29	555.04
26 05 46 00-0319	EA		Type OH-8, Three Phase, 50 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	2,879.16	1,110.08
26 05 46 00-0320	EA		Type OH-9, Three Phase, 50 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	3,317.08	1,232.18
26 05 46 00-0321	EA		Type OH-10, Three Phase, 50 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	1,658.30	599.44
26 05 46 00-0322	EA		Type OH-13, Three Phase, 50 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	1,771.45	693.80
26 05 46 00-0323	EA		Type OH-16, Three Phase, 50 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	1,689.83	654.94
26 05 46 00-0324			Overhead To Underground Conversion Structures <small>(26 05 46 00-0228)</small> Note: Includes insulator with pin, bolts, washers, crossarms, fused cut out, arrestors, ground rods, clamps, conduit, molding, cable termination and neutral wire brackets. Excludes pole.		
26 05 46 00-0325			5 KV Structures <small>(26 05 46 00-0324)</small> Note: Excludes pole.		
26 05 46 00-0326	EA		(3 Wire Dead End), 5 KV, Overhead To Underground Conversion Structures, Without Poles	3,912.18	2,220.15
26 05 46 00-0327	EA		(3 Wire Tangent), 5 KV, Overhead To Underground Conversion Structures, Without Poles.....	3,912.18	2,220.15
26 05 46 00-0328	EA		(4 Wire Tangent), 5 KV, Overhead To Underground Conversion Structures, Without Poles	3,912.18	2,220.15
26 05 46 00-0329	EA		(4 Wire Dead End), 5 KV, Overhead To Underground Conversion Structures, Without Poles	3,912.18	2,220.15
26 05 46 00-0330			15 KV Structures <small>(26 05 46 00-0324)</small> Note: Excludes pole.		
26 05 46 00-0331	EA		(3 Wire Dead End), 15 KV, Overhead To Underground Conversion Structures, Without Poles	3,976.91	2,220.15
26 05 46 00-0332	EA		(3 Wire Tangent), 15 KV, Overhead To Underground Conversion Structures, Without Poles	3,976.91	2,220.15
26 05 46 00-0333	EA		(4 Wire Tangent), 15 KV, Overhead To Underground Conversion Structures, Without Poles	3,976.91	2,220.15
26 05 46 00-0334	EA		(4 Wire Dead End), 15 KV, Overhead To Underground Conversion Structures, Without Poles	3,976.91	2,220.15
26 05 46 00-0335			25 KV Structures <small>(26 05 46 00-0324)</small> Note: Excludes pole.		
26 05 46 00-0336	EA		(3 Wire Dead End), 25 KV, Overhead To Underground Conversion Structures, Without Poles	4,047.53	2,220.15
26 05 46 00-0337	EA		(3 Wire Tangent), 25 KV, Overhead To Underground Conversion Structures, Without Poles	4,047.53	2,220.15
26 05 46 00-0338	EA		(4 Wire Tangent), 25 KV, Overhead To Underground Conversion Structures, Without Poles	4,047.53	2,220.15
26 05 46 00-0339	EA		(4 Wire Dead End), 25 KV, Overhead To Underground Conversion Structures, Without Poles	4,047.53	2,220.15



			DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
MINOR CSI UOM DESCRIPTION					
26 05 46 00-0340 Transformer Stations (26 05 46 00-0228)					
Note: Includes insulator with pin, bolts, washers, crossarms, fused cut out, arrestors, ground rods, clamps, conduit, molding, cable termination, neutral wire brackets and transformer mounting bracket(s). Excludes pole and transformer.					
26 05 46 00-0341 5 KV Station (26 05 46 00-0340)					
		EA	(Single Transformer, 1 Phase, 4 Wire Tangent), 5 KV Transformer Station Without Pole.....	5,311.28	2,959.46
		EA	(Double Transformer, 1 Phase, 3 Wire Tangent), 5 KV Transformer Station Without Pole.....	5,966.36	3,330.23
		EA	(Triple Transformer, 3 Phase, 4 Wire Tangent), 5 KV Transformer Station Without Pole.....	6,621.45	3,699.89
		EA	(Triple Transformer, 3 Phase, 4 Wire Dead End), 5 KV Transformer Station Without Pole.....	6,621.45	3,699.89
		EA	(Single Transformer, 1 Phase, 2 Wire Tangent), 5 KV Transformer Station Without Pole.....	5,311.28	2,959.46
26 05 46 00-0347 15 KV Stations (26 05 46 00-0340)					
		EA	(Single Transformer, 1 Phase, 4 Wire Tangent), 15 KV Transformer Station Without Pole.....	5,376.02	2,958.62
		EA	(Double Transformer, 1 Phase, 3 Wire Tangent), 15 KV Transformer Station Without Pole.....	6,031.10	3,330.23
		EA	(Triple Transformer, 3 Phase, 4 Wire Tangent), 15 KV Transformer Station Without Pole.....	6,686.18	3,699.89
		EA	(Triple Transformer, 3 Phase, 4 Wire Dead End), 15 KV Transformer Station Without Pole.....	6,686.18	3,699.89
		EA	(Single Transformer, 1 Phase, 2 Wire Tangent), 15 KV Transformer Station Without Pole.....	5,376.02	2,959.46
26 05 46 00-0353 25 KV Stations (26 05 46 00-0340)					
		EA	(Single Transformer, 1 Phase, 4 Wire Tangent), 25 KV Transformer Station Without Pole.....	5,446.64	2,959.46
		EA	(Double Transformer, 1 Phase, 3 Wire Tangent), 25 KV Transformer Station Without Pole.....	6,101.72	3,330.23
		EA	(Triple Transformer, 3 Phase, 4 Wire Tangent), 25 KV Transformer Station Without Pole.....	6,756.80	3,699.89
		EA	(Triple Transformer, 3 Phase, 4 Wire Dead End), 25 KV Transformer Station Without Pole.....	6,756.80	3,699.89
		EA	(Single Transformer, 1 Phase, 2 Wire Tangent), 25 KV Transformer Station Without Pole.....	5,446.64	2,959.46
26 05 53 Identification for Electrical Systems (26 05)					
26 05 53 00-0001 Conduit Markers Pressure-Sensitive (26 05 53)					
Note: Stick-on, includes arrow tape.					
		EA	1/2" Outside Diameter Pressure Sensitive Marker Stick-on.....	11.01	
		EA	3/4" Outside Diameter Pressure Sensitive Marker Stick-on.....	11.53	
		EA	1" Outside Diameter Pressure Sensitive Marker Stick-on.....	12.57	
		EA	1-1/4" Outside Diameter Pressure Sensitive Marker Stick-on.....	12.77	
		EA	1-1/2" Outside Diameter Pressure Sensitive Marker Stick-on.....	12.98	
		EA	2" Outside Diameter Pressure Sensitive Marker Stick-on.....	13.30	
		EA	2-1/2" Outside Diameter Pressure Sensitive Marker Stick-on.....	15.23	
		EA	3" Outside Diameter Pressure Sensitive Marker Stick-on.....	15.64	
		EA	3-1/2" Outside Diameter Pressure Sensitive Marker Stick-on.....	15.95	
		EA	4" Outside Diameter Pressure Sensitive Marker Stick-on.....	16.27	
		EA	4-1/2" Outside Diameter Pressure Sensitive Marker Stick-on.....	16.92	
		EA	5" Outside Diameter Pressure Sensitive Marker Stick-on.....	17.61	
		EA	6" Outside Diameter Pressure Sensitive Marker Stick-on.....	18.23	
		EA	7" Outside Diameter Pressure Sensitive Marker Stick-on.....	18.84	
		EA	8" Outside Diameter Pressure Sensitive Marker Stick-on.....	20.44	
		EA	10" Outside Diameter Pressure Sensitive Marker Stick-on.....	21.58	
26 05 53 00-0018 Labeling Electrical Wires (26 05 53)					
		EA	Labeling Wire.....	2.21	
26 05 83 Wiring Connections (26 05)					
26 05 83 00-0001 Tape Wrapped Compression Connectors (26 05 83)					
		EA	#6 AWG Compression Connection, Tape Wrapped Low Voltage, To 600 Volts.....	12.55	4.67
		EA	#4 AWG Compression Connection, Tape Wrapped Low Voltage, To 600 Volts.....	13.63	5.19
		EA	#2 AWG Compression Connection, Tape Wrapped Low Voltage, To 600 Volts.....	14.54	5.71
		EA	1/0 AWG Compression Connection, Tape Wrapped Low Voltage, To 600 Volts.....	16.55	6.22
		EA	2/0 AWG Compression Connection, Tape Wrapped Low Voltage, To 600 Volts.....	17.83	6.74
		EA	3/0 AWG Compression Connection, Tape Wrapped Low Voltage, To 600 Volts.....	19.66	7.26
		EA	4/0 AWG Compression Connection, Tape Wrapped Low Voltage, To 600 Volts.....	21.03	7.78
		EA	250 MCM Compression Connection, Tape Wrapped Low Voltage, To 600 Volts.....	22.83	8.30
		EA	300 MCM Compression Connection, Tape Wrapped Low Voltage, To 600 Volts.....	25.31	9.34
		EA	350 MCM Compression Connection, Tape Wrapped Low Voltage, To 600 Volts.....	26.61	9.86
		EA	400 MCM Compression Connection, Tape Wrapped Low Voltage, To 600 Volts.....	29.17	10.38
		EA	500 MCM Compression Connection, Tape Wrapped Low Voltage, To 600 Volts.....	31.44	10.90
		EA	750 MCM Compression Connection, Tape Wrapped Low Voltage, To 600 Volts.....	34.94	11.93
		EA	1,000 MCM Compression Connection, Tape Wrapped Low Voltage, To 600 Volts.....	40.28	13.48
26 05 83 00-0016 One Hole Compression Lugs (26 05 83)					
		EA	#22-18 AWG Low Voltage (To 600 Volts) One Hole Compression Lug.....	17.44	13.48
		EA	#16-14 AWG Low Voltage (To 600 Volts) One Hole Compression Lug.....	17.52	13.48
		EA	#12-10 AWG Low Voltage (To 600 Volts) One Hole Compression Lug.....	19.78	14.53
		EA	#8 AWG Low Voltage (To 600 Volts) One Hole Compression Lug.....	24.02	16.08
		EA	#6 AWG Low Voltage (To 600 Volts) One Hole Compression Lug.....	34.00	20.75

26 Electrical

26 05 Common Work Results For Electrical

26 05 83 Wiring Connections



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 83 00-0022 EA #4 AWG Low Voltage (To 600 Volts) One Hole Compression Lug	40.13	20.75
26 05 83 00-0023 EA #2 AWG Low Voltage (To 600 Volts) One Hole Compression Lug	46.17	20.75
26 05 83 00-0024 EA 1/0 AWG Low Voltage (To 600 Volts) One Hole Compression Lug	57.13	31.13
26 05 83 00-0025 EA 2/0 AWG Low Voltage (To 600 Volts) One Hole Compression Lug	67.20	31.13
26 05 83 00-0026 EA 3/0 AWG Low Voltage (To 600 Volts) One Hole Compression Lug	78.72	31.13
26 05 83 00-0027 EA 4/0 AWG Low Voltage (To 600 Volts) One Hole Compression Lug	95.03	41.50
26 05 83 00-0028 EA 250 MCM Low Voltage (To 600 Volts) One Hole Compression Lug	112.76	62.25
26 05 83 00-0029 EA 300 MCM Low Voltage (To 600 Volts) One Hole Compression Lug	128.95	62.25
26 05 83 00-0030 EA 350 MCM Low Voltage (To 600 Volts) One Hole Compression Lug	138.69	62.25
26 05 83 00-0031 EA 400 MCM Low Voltage (To 600 Volts) One Hole Compression Lug	150.78	72.63
26 05 83 00-0032 EA 500 MCM Low Voltage (To 600 Volts) One Hole Compression Lug	164.73	72.63
26 05 83 00-0033 EA 750 MCM Low Voltage (To 600 Volts) One Hole Compression Lug	179.15	83.01
26 05 83 00-0034 EA 1,000 MCM Compression Lugs, 1 Hole, Low Voltage, To 600 Volts.....	209.18	93.39
26 05 83 00-0035 Two Hole Compression Lugs (26 05 83)		
26 05 83 00-0036 EA #8 AWG Low Voltage (To 600 Volts) Two Hole Compression Lug	35.37	17.64
26 05 83 00-0037 EA #6 AWG Low Voltage (To 600 Volts) Two Hole Compression Lug	37.85	18.78
26 05 83 00-0038 EA #4 AWG Low Voltage (To 600 Volts) Two Hole Compression Lug	40.04	18.78
26 05 83 00-0039 EA #2 AWG Low Voltage (To 600 Volts) Two Hole Compression Lug	46.06	21.58
26 05 83 00-0040 EA 1/0 AWG Low Voltage (To 600 Volts) Two Hole Compression Lug	57.02	26.98
26 05 83 00-0041 EA 2/0 AWG Low Voltage (To 600 Volts) Two Hole Compression Lug	67.08	32.06
26 05 83 00-0042 EA 3/0 AWG Low Voltage (To 600 Volts) Two Hole Compression Lug	78.58	37.56
26 05 83 00-0043 EA 4/0 AWG Low Voltage (To 600 Volts) Two Hole Compression Lug	94.88	45.55
26 05 83 00-0044 EA 250 MCM Low Voltage (To 600 Volts) Two Hole Compression Lug	112.58	54.06
26 05 83 00-0045 EA 300 MCM Low Voltage (To 600 Volts) Two Hole Compression Lug	128.75	61.74
26 05 83 00-0046 EA 350 MCM Low Voltage (To 600 Volts) Two Hole Compression Lug	138.48	66.51
26 05 83 00-0047 EA 400 MCM Low Voltage (To 600 Volts) Two Hole Compression Lug	150.53	72.01
26 05 83 00-0048 EA 500 MCM Low Voltage (To 600 Volts) Two Hole Compression Lug	164.44	78.65
26 05 83 00-0049 EA 750 MCM Low Voltage (To 600 Volts) Two Hole Compression Lug	179.31	85.29
26 05 83 00-0050 EA 1,000 MCM Low Voltage (To 600 Volts) Two Hole Compression Lug	220.64	103.76
26 05 83 00-0051 Tape Wrapped Split Bolt Connectors (26 05 83)		
26 05 83 00-0052 EA #8 AWG Split Bolt Connectors, Wrapped, Low Voltage, To 600 Volts	53.63	41.50
26 05 83 00-0053 EA #6 AWG Split Bolt Connectors, Wrapped, Low Voltage, To 600 Volts	58.98	44.62
26 05 83 00-0054 EA #4 AWG Split Bolt Connectors, Wrapped, Low Voltage, To 600 Volts	67.16	46.69
26 05 83 00-0055 EA #2 AWG Split Bolt Connectors, Wrapped, Low Voltage, To 600 Volts	77.59	51.88
26 05 83 00-0056 EA 1/0 AWG Split Bolt Connectors, Wrapped, Low Voltage, To 600 Volts	91.19	57.07
26 05 83 00-0057 EA 2/0 AWG Split Bolt Connectors, Wrapped, Low Voltage, To 600 Volts	100.99	62.25
26 05 83 00-0058 EA 3/0 AWG Split Bolt Connectors, Wrapped, Low Voltage, To 600 Volts	125.77	67.44
26 05 83 00-0059 EA 4/0 AWG Split Bolt Connectors, Wrapped, Low Voltage, To 600 Volts	134.86	72.63
26 05 83 00-0060 EA 250 MCM Split Bolt Connectors, Wrapped, Low Voltage, To 600 Volts	141.99	77.82
26 05 83 00-0061 EA 300 MCM Split Bolt Connectors, Wrapped, Low Voltage, To 600 Volts	160.16	85.60
26 05 83 00-0062 EA 350 MCM Split Bolt Connectors, Wrapped, Low Voltage, To 600 Volts	178.33	124.51
26 05 83 00-0063 EA 400 MCM Split Bolt Connectors, Wrapped, Low Voltage, To 600 Volts	194.68	103.76
26 05 83 00-0064 EA 500 MCM Split Bolt Connectors, Wrapped, Low Voltage, To 600 Volts	211.03	140.07
26 05 83 00-0065 EA 750 MCM Split Bolt Connectors, Wrapped, Low Voltage, To 600 Volts	230.85	145.26
26 05 83 00-0066 EA 1,000 MCM Split Bolt Connectors, Wrapped, Low Voltage, To 600 Volts	258.02	155.64
26 05 83 00-0067 Cable Termination Lugs Handwrapped, No Stress Cone (26 05 83)		
26 05 83 00-0068 EA #8 Or #6 AWG Cable Termination Lugs, Wrapped, No Stress Cones, Low Volt, To 600 Volts	73.85	41.50
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	21.79	
26 05 83 00-0069 EA #4 AWG Cable Termination Lugs, Wrapped, No Stress Cones, Low Volt, To 600 Volts	84.89	41.50
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	24.71	
26 05 83 00-0070 EA 1/0 AWG Cable Termination Lugs, Wrapped, No Stress Cones, Low Volt, To 600 Volts	117.83	62.25
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	34.59	
26 05 83 00-0071 EA 4/0 AWG Cable Termination Lugs, Wrapped, No Stress Cones, Low Volt, To 600 Volts	139.26	62.25
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	39.91	
26 05 83 00-0072 EA 300 MCM Cable Termination Lugs, Wrapped, No Stress Cones, Low Volt, To 600 Volts	166.35	77.82
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	47.16	
26 05 83 00-0073 EA 500 MCM Cable Termination Lugs, Wrapped, No Stress Cones, Low Volt, To 600 Volts	229.73	103.76
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	64.85	
26 05 83 00-0074 Terminal Blocks (26 05 83) Note: Labor excludes wire termination.		
26 05 83 00-0075 EA Power Distribution Block, 250 MCM 3 Phase Terminal Block, No Labor Wire Termination, 600 Volt	862.28	383.91
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	230.57	
26 05 83 00-0076 EA #22 To #10 Wire Size, 12 Point, 600 Volt Terminal Block	189.34	51.95
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	31.47	
26 05 83 00-0077 EA #8 To #2 Wire Size, 12 Point, 600 Volt Terminal Block	205.55	51.95
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	31.81	
26 05 83 00-0078 Parallel Gutter Tap Or Motor Connection (26 05 83)		
26 05 83 00-0079 EA #8 AWG Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap	35.36	18.78
26 05 83 00-0080 EA #6 AWG Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap	37.85	18.78
26 05 83 00-0081 EA #4 AWG Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap	40.04	18.78
26 05 83 00-0082 EA #2 AWG Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap	46.06	21.58



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 83 00-0083 EA 1/0 AWG Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap.....	57.01	26.98
26 05 83 00-0084 EA 2/0 AWG Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap.....	67.08	32.06
26 05 83 00-0085 EA 3/0 AWG Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap.....	78.58	37.56
26 05 83 00-0086 EA 4/0 AWG Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap.....	94.88	45.55
26 05 83 00-0087 EA 250 MCM Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap.....	112.58	54.06
26 05 83 00-0088 EA 300 MCM Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap.....	128.75	61.74
26 05 83 00-0089 EA 350 MCM Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap.....	138.48	66.51
26 05 83 00-0090 EA 400 MCM Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap.....	150.53	72.01
26 05 83 00-0091 EA 500 MCM Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap.....	164.44	78.65
26 05 83 00-0092 EA 750 MCM Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap.....	164.70	78.65
26 05 83 00-0093 EA #8 AWG Parallel Gutter Tap, Versitap, Insulating Cover	35.36	18.78
26 05 83 00-0094 EA #6 AWG Parallel Gutter Tap, Versitap, Insulating Cover	37.85	18.78
26 05 83 00-0095 EA #4 AWG Parallel Gutter Tap, Versitap, Insulating Cover	40.04	18.78
26 05 83 00-0096 EA #2 AWG Parallel Gutter Tap, Versitap, Insulating Cover	46.06	21.58
26 05 83 00-0097 EA 1/0 AWG Parallel Gutter Tap, Versitap, Insulating Cover	57.01	26.98
26 05 83 00-0098 EA 2/0 AWG Parallel Gutter Tap, Versitap, Insulating Cover	67.08	32.06
26 05 83 00-0099 EA 3/0 AWG Parallel Gutter Tap, Versitap, Insulating Cover	78.58	37.56
26 05 83 00-0100 EA 4/0 AWG Parallel Gutter Tap, Versitap, Insulating Cover	94.88	45.55
26 05 83 00-0101 EA 250 MCM Parallel Gutter Tap, Versitap, Insulating Cover	112.58	54.06
26 05 83 00-0102 EA 300 MCM Parallel Gutter Tap, Versitap, Insulating Cover	128.75	61.74
26 05 83 00-0103 EA 350 MCM Parallel Gutter Tap, Versitap, Insulating Cover	138.48	66.51
26 05 83 00-0104 EA 400 MCM Parallel Gutter Tap, Versitap, Insulating Cover	150.53	72.01
26 05 83 00-0105 EA 500 MCM Parallel Gutter Tap, Versitap, Insulating Cover	164.44	78.65
26 05 83 00-0106 EA 750 MCM Parallel Gutter Tap, Versitap, Insulating Cover	164.70	78.65
 26 05 83 00-0107 Copper Mechanical Lugs <small>(26 05 83)</small>		
26 05 83 00-0108 EA #8 Copper Mechanical Lugs	27.88	12.97
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.78	
26 05 83 00-0109 EA #6 Copper Mechanical Lugs	33.55	15.67
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.40	
26 05 83 00-0110 EA #4 Copper Mechanical Lugs	38.81	18.16
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	10.89	
26 05 83 00-0111 EA #2 Copper Mechanical Lugs	50.26	23.14
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	13.90	
26 05 83 00-0112 EA 1/0 Copper Mechanical Lugs	67.64	31.13
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	18.68	
26 05 83 00-0113 EA 2/0 Copper Mechanical Lugs	79.77	36.10
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	21.69	
26 05 83 00-0114 EA 3/0 Copper Mechanical Lugs	92.59	41.50
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	24.90	
26 05 83 00-0115 EA 4/0 Copper Mechanical Lugs	104.77	46.58
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	27.93	
26 05 83 00-0116 EA 250 MCM Copper Mechanical Lugs.....	118.70	51.88
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	31.13	
26 05 83 00-0117 EA 300 MCM Copper Mechanical Lugs.....	132.38	57.07
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	34.25	
26 05 83 00-0118 EA 350 MCM Copper Mechanical Lugs.....	145.97	62.25
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	37.35	
26 05 83 00-0119 EA 400 MCM Copper Mechanical Lugs.....	159.49	67.44
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	40.43	
26 05 83 00-0120 EA 500 MCM Copper Mechanical Lugs.....	173.25	72.63
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	43.58	
26 05 83 00-0121 EA 750 MCM Copper Mechanical Lugs.....	196.73	82.70
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	49.65	
26 05 83 00-0122 EA 1,000 MCM Copper Mechanical Lugs.....	222.46	93.39
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	56.03	
 26 05 83 00-0123 Gel Connectors <small>(26 05 83)</small>		
26 05 83 00-0124 EA 3 Port, #14 to 2/0, Push On Gel Stub Splice Kit.....	38.03	
Note: Kit contains connector, gel filled cap and cap clamp.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.12	
26 05 83 00-0125 EA 4 Port, #14 to 2, Gel Tap Splice Kit.....	37.68	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.74	
 26 05 83 00-0126 Other Connections <small>(26 05 83)</small>		
26 05 83 00-0127 EA #14 AWG Motor Connection, Spade Lug, Machine Bolt/Nut, Insulated With Tape.....	10.02	4.74
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2.85	
26 05 83 00-0128 EA #12 AWG Motor Connection, Spade Lug, Machine Bolt/Nut, Insulated With Tape.....	10.07	4.74
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2.85	
26 05 83 00-0129 EA #10 AWG Motor Connection, Spade Lug, Machine Bolt/Nut, Insulated With Tape.....	10.13	4.74
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2.85	
 26 05 83 00-0130 Motor/Equipment Connections And Terminations <small>(26 05 83)</small>		
Note: Includes rotation testing. If equipment rating is other than horsepower (KW, CFM, tons, Btu/Hr, etc.) convert units to horsepower and select proper circuit characteristics. Includes material conduit (6 LF max.), connectors and conductors. To connect electrical wiring to all new or existing equipment motors.		
 26 05 83 00-0131 AC Single Phase, 230 Volt <small>(26 05 83 00-0130)</small>		
26 05 83 00-0132 EA <1/2 HP AC Motor Single Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	57.77	25.94

26 Electrical**26 05 Common Work Results For Electrical****26 05 83 Wiring Connections**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 83 00-0133	EA		1/2 HP AC Motor Single Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	57.57	25.94
26 05 83 00-0134	EA		3/4 HP AC Motor Single Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	68.18	31.13
26 05 83 00-0135	EA		1 HP AC Motor Single Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	84.19	38.91
26 05 83 00-0136	EA		1-1/2 HP AC Motor Single Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	84.58	38.91
26 05 83 00-0137	EA		2 HP AC Motor Single Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	84.66	38.91
26 05 83 00-0138	EA		3 HP AC Motor Single Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	85.97	38.91
26 05 83 00-0139	EA		5 HP AC Motor Single Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	112.06	51.88
26 05 83 00-0140	EA		7-1/2 HP AC Motor Single Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	113.53	51.88
26 05 83 00-0141	EA		10 HP AC Motor Single Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	142.75	64.85
26 05 83 00-0142 AC Three Phase, 230 Volt (26 05 83 00-0130)					
26 05 83 00-0143	EA		1/2 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	57.57	25.94
26 05 83 00-0144	EA		3/4 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	68.18	31.13
26 05 83 00-0145	EA		1 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	84.19	38.91
26 05 83 00-0146	EA		1-1/2 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	84.58	38.91
26 05 83 00-0147	EA		2 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	84.66	38.91
26 05 83 00-0148	EA		3 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	85.97	38.91
26 05 83 00-0149	EA		5 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	112.06	51.88
26 05 83 00-0150	EA		7-1/2 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	113.53	51.88
26 05 83 00-0151	EA		10 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	142.75	64.85
26 05 83 00-0152	EA		15 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	144.73	64.85
26 05 83 00-0153	EA		20 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	178.45	77.82
26 05 83 00-0154	EA		25 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	181.47	77.82
26 05 83 00-0155	EA		30 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	245.08	103.76
26 05 83 00-0156	EA		40 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	306.84	129.70
26 05 83 00-0157	EA		50 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	364.51	155.64
26 05 83 00-0158	EA		60 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	430.05	181.57
26 05 83 00-0159	EA		75 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	493.08	207.52
26 05 83 00-0160	EA		100 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	613.90	259.39
26 05 83 00-0161	EA		125 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	727.40	308.68
26 05 83 00-0162	EA		150 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	855.81	360.04
26 05 83 00-0163	EA		200 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	1,247.37	539.97
26 05 83 00-0164 AC Three Phase, 460 Volt (26 05 83 00-0130)					
26 05 83 00-0165	EA		1/2 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	57.57	25.94
26 05 83 00-0166	EA		3/4 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	68.18	31.13
26 05 83 00-0167	EA		1 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	84.19	38.91
26 05 83 00-0168	EA		1-1/2 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	84.58	38.91
26 05 83 00-0169	EA		2 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	84.66	38.91
26 05 83 00-0170	EA		3 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	85.97	38.91
26 05 83 00-0171	EA		5 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	112.06	51.88
26 05 83 00-0172	EA		7-1/2 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	113.53	51.88
26 05 83 00-0173	EA		10 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	142.75	64.85
26 05 83 00-0174	EA		15 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	144.73	64.85
26 05 83 00-0175	EA		20 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	178.46	77.82
26 05 83 00-0176	EA		25 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	181.46	77.82
26 05 83 00-0177	EA		30 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	245.08	103.76
26 05 83 00-0178	EA		40 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	307.16	129.90
26 05 83 00-0179	EA		50 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	364.51	155.64
26 05 83 00-0180	EA		60 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	430.05	181.57
26 05 83 00-0181	EA		75 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	493.08	207.52
26 05 83 00-0182	EA		100 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	613.90	259.39
26 05 83 00-0183	EA		125 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	727.69	308.79
26 05 83 00-0184	EA		150 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	856.21	360.25
26 05 83 00-0185	EA		200 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	1,248.27	540.38
26 05 83 00-0186 AC Single Phase, 120 Volt (26 05 83 00-0130)					
26 05 83 00-0187	EA		1/2 HP AC And Less Single Phase, 120 Volt Motor/Equipment, Connection, Termination And Rotation Testing	57.77	25.94
26 05 83 00-0188 Motor Moisture Sensor (26 05 83 00-0130)					
26 05 83 00-0189	EA		Motor Moisture Sensor Located In Winding.....	262.30	

26 09 Instrumentation and Control for Electrical Systems (26)

Note: Includes testing of new devices and certification.

26 09 23 Lighting Control Devices (26 09)**26 09 23 00-0001 Lighting Contactors (26 09 23)**

Note: Up to 600 volt.

26 09 23 00-0002 Electrically Held, Lighting Contactors (26 09 23 00-0001)**26 09 23 00-0003 NEMA 1 Enclosure, Electrically Held, Lighting Contactors (26 09 23 00-0002)****26 09 23 00-0004 2-Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactors (26 09 23 00-0003)**



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0005 EA 20 Amp, 2-Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	328.26 49.81	83.01
26 09 23 00-0006 EA 30 Amp, 2-Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	398.93 56.03	93.39
26 09 23 00-0007 EA 60 Amp, 2-Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	725.12 87.16	145.26
26 09 23 00-0008 EA 100 Amp, 2-Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,107.91 118.28	197.14
26 09 23 00-0009 EA 200 Amp, 2-Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,197.00 155.64	259.39
26 09 23 00-0010 3-Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactors <small>(26 09 23 00-0003)</small>		
26 09 23 00-0011 EA 20 Amp, 3-Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	370.44 56.03	93.39
26 09 23 00-0012 EA 30 Amp, 3-Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	438.41 62.26	103.76
26 09 23 00-0013 EA 60 Amp, 3-Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	791.59 99.61	166.02
26 09 23 00-0014 EA 100 Amp, 3-Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,200.23 130.74	217.89
26 09 23 00-0015 EA 200 Amp, 3-Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,363.43 171.20	285.34
26 09 23 00-0016 4-Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactors <small>(26 09 23 00-0003)</small>		
26 09 23 00-0017 EA 20 Amp, 4-Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	431.63 62.26	103.76
26 09 23 00-0018 EA 30 Amp, 4-Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	510.42 68.48	114.13
26 09 23 00-0019 EA 60 Amp, 4-Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	947.19 112.06	186.76
26 09 23 00-0020 EA 100 Amp, 4-Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,419.58 143.19	238.65
26 09 23 00-0021 EA 200 Amp, 4-Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,978.28 186.77	311.28
26 09 23 00-0022 NEMA 4 Enclosure, Electrically Held, Lighting Contactors <small>(26 09 23 00-0002)</small>		
26 09 23 00-0023 2-Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactors <small>(26 09 23 00-0002)</small>		
26 09 23 00-0024 EA 20 Amp, 2-Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	500.73 49.81	83.01
26 09 23 00-0025 EA 30 Amp, 2-Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	627.59 56.03	93.39
26 09 23 00-0026 EA 60 Amp, 2-Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,181.11 87.16	145.26
26 09 23 00-0027 EA 100 Amp, 2-Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,755.56 118.28	197.14
26 09 23 00-0028 EA 200 Amp, 2-Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3,302.43 155.64	259.39
26 09 23 00-0029 3-Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactors <small>(26 09 23 00-0002)</small>		
26 09 23 00-0030 EA 20 Amp, 3-Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	524.88 56.03	93.39
26 09 23 00-0031 EA 30 Amp, 3-Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	667.08 62.26	103.76
26 09 23 00-0032 EA 60 Amp, 3-Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,248.91 99.61	166.02
26 09 23 00-0033 EA 100 Amp, 3-Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,847.44 130.74	217.89
26 09 23 00-0034 EA 200 Amp, 3-Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3,468.41 171.20	285.34
26 09 23 00-0035 4-Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactors <small>(26 09 23 00-0002)</small>		
26 09 23 00-0036 EA 20 Amp, 4-Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	569.51 62.26	103.76
26 09 23 00-0037 EA 30 Amp, 4-Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	739.09 68.48	114.13
26 09 23 00-0038 EA 60 Amp, 4-Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,582.37 112.06	186.76
26 09 23 00-0039 EA 100 Amp, 4-Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,244.64 143.19	238.65
26 09 23 00-0040 EA 200 Amp, 4-Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4,573.57 186.77	311.28
26 09 23 00-0041 Mechanically Held, Lighting Contactors <small>(26 09 23 00-0001)</small>		
26 09 23 00-0042 NEMA 1 Enclosure, Mechanically Held, Lighting Contactors <small>(26 09 23 00-0041)</small>		

26 Electrical**26 09 Instrumentation and Control for Electrical Systems****26 09 23 Lighting Control Devices**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0043 2-Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactors (26 09 23 00-0042)		
EA 20 Amp, 2-Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor	453.96	83.01
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	49.81	
EA 30 Amp, 2-Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor	515.71	93.39
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	56.03	
EA 60 Amp, 2-Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor	952.45	145.26
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	87.16	
EA 100 Amp, 2-Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor	1,323.20	197.14
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	118.28	
EA 200 Amp, 2-Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor	2,895.92	259.39
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	155.64	
26 09 23 00-0049 3-Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactors (26 09 23 00-0042)		
EA 20 Amp, 3-Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor	488.83	93.39
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	56.03	
EA 30 Amp, 3-Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor	556.09	103.76
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	62.26	
EA 60 Amp, 3-Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor	1,020.25	166.02
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	99.61	
EA 100 Amp, 3-Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor	1,415.97	217.89
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	130.74	
EA 200 Amp, 3-Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor	3,251.78	285.34
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	171.20	
26 09 23 00-0055 4-Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactors (26 09 23 00-0042)		
EA 20 Amp, 4-Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor	530.05	103.76
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	62.26	
EA 30 Amp, 4-Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor	595.56	114.13
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	68.48	
EA 60 Amp, 4-Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor	1,187.89	186.76
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	112.06	
EA 100 Amp, 4-Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor	1,648.24	238.65
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	143.19	
EA 200 Amp, 4-Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor	3,900.06	311.28
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	186.77	
26 09 23 00-0061 NEMA 4 Enclosure, Mechanically Held, Lighting Contactors (26 09 23 00-0041)		
26 09 23 00-0062 2-Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactors (26 09 23 00-0061)		
EA 20 Amp, 2-Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor	648.35	83.01
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	49.81	
EA 30 Amp, 2-Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor	744.38	93.39
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	56.03	
EA 60 Amp, 2-Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor	1,409.78	145.26
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	87.16	
EA 100 Amp, 2-Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor	1,970.86	197.14
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	118.28	
EA 200 Amp, 2-Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor	4,000.46	259.39
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	155.64	
26 09 23 00-0068 3-Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactors (26 09 23 00-0061)		
EA 20 Amp, 3-Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor	689.55	93.39
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	56.03	
EA 30 Amp, 3-Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor	784.75	103.76
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	62.26	
EA 60 Amp, 3-Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor	1,477.58	166.02
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	99.61	
EA 100 Amp, 3-Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor	2,064.07	217.89
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	130.74	
EA 200 Amp, 3-Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor	4,357.21	285.34
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	171.20	
26 09 23 00-0074 4-Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactors (26 09 23 00-0061)		
EA 20 Amp, 4-Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor	733.21	103.76
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	62.26	
EA 30 Amp, 4-Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor	824.22	114.13
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	68.48	
EA 60 Amp, 4-Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor	1,823.07	186.76
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	112.06	
EA 100 Amp, 4-Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor	2,473.30	238.65
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	143.19	
EA 200 Amp, 4-Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor	5,462.82	311.28
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	186.77	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0080 Combination Lighting Contactors <small>(26 09 23)</small> Note: Up to 600 volt.		
26 09 23 00-0081 Electrically Held, Combination Lighting Contactors <small>(26 09 23 00-0080)</small>		
26 09 23 00-0082 NEMA 1 Enclosure, Electrically Held, Combination Lighting Contactors <small>(26 09 23 00-0081)</small>		
26 09 23 00-0083 3-Pole, NEMA 1 Enclosure, Electrically Held, Combination Lighting Contactors <small>(26 09 23 00-0082)</small>		
26 09 23 00-0084 EA 30 Amp, 3-Pole, NEMA 1 Enclosure, Electrically Held, Combination Lighting Contactor With Fused Disconnect Switch.....	840.05	114.13
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	68.48	
26 09 23 00-0085 EA 60 Amp, 3-Pole, NEMA 1 Enclosure, Electrically Held, Combination Lighting Contactor With Fused Disconnect Switch.....	1,320.00	182.62
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	109.57	
26 09 23 00-0086 EA 100 Amp, 3-Pole, NEMA 1 Enclosure, Electrically Held, Combination Lighting Contactor With Fused Disconnect Switch.....	2,088.04	239.69
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	143.81	
26 09 23 00-0087 EA 200 Amp, 3-Pole, NEMA 1 Enclosure, Electrically Held, Combination Lighting Contactor With Fused Disconnect Switch.....	3,714.70	313.87
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	188.32	
26 09 23 00-0088 NEMA 4 Enclosure, Electrically Held, Combination Lighting Contactors <small>(26 09 23 00-0081)</small>		
26 09 23 00-0089 3-Pole, NEMA 4 Enclosure, Electrically Held, Combination Lighting Contactors <small>(26 09 23 00-0088)</small>		
26 09 23 00-0090 EA 30 Amp, 3-Pole, NEMA 4 Enclosure, Electrically Held, Combination Lighting Contactor With Fused Disconnect Switch.....	1,449.15	114.13
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	68.48	
26 09 23 00-0091 EA 60 Amp, 3-Pole, NEMA 4 Enclosure, Electrically Held, Combination Lighting Contactor With Fused Disconnect Switch.....	2,258.73	182.62
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	109.57	
26 09 23 00-0092 EA 100 Amp, 3-Pole, NEMA 4 Enclosure, Electrically Held, Combination Lighting Contactor With Fused Disconnect Switch.....	3,726.13	239.69
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	143.81	
26 09 23 00-0093 EA 200 Amp, 3-Pole, NEMA 4 Enclosure, Electrically Held, Combination Lighting Contactor With Fused Disconnect Switch.....	5,810.11	313.87
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	188.32	
26 09 23 00-0094 Mechanically Held, Combination Lighting Contactors <small>(26 09 23 00-0080)</small>		
26 09 23 00-0095 NEMA 1 Enclosure, Mechanically Held, Combination Lighting Contactors <small>(26 09 23 00-0094)</small>		
26 09 23 00-0096 3-Pole, NEMA 1 Enclosure, Mechanically Held, Combination Lighting Contactors <small>(26 09 23 00-0095)</small>		
26 09 23 00-0097 EA 30 Amp, 3-Pole, NEMA 1 Enclosure, Mechanically Held, Combination Lighting Contactor With Fused Disconnect Switch.....	909.58	114.13
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	68.48	
26 09 23 00-0098 EA 60 Amp, 3-Pole, NEMA 1 Enclosure, Mechanically Held, Combination Lighting Contactor With Fused Disconnect Switch.....	1,560.70	182.62
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	109.57	
26 09 23 00-0099 EA 100 Amp, 3-Pole, NEMA 1 Enclosure, Mechanically Held, Combination Lighting Contactor With Fused Disconnect Switch.....	2,316.03	239.69
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	143.81	
26 09 23 00-0100 EA 200 Amp, 3-Pole, NEMA 1 Enclosure, Mechanically Held, Combination Lighting Contactor With Fused Disconnect Switch.....	4,362.58	313.87
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	188.32	
26 09 23 00-0101 NEMA 4 Enclosure, Mechanically Held, Combination Lighting Contactors <small>(26 09 23 00-0094)</small>		
26 09 23 00-0102 3-Pole, NEMA 4 Enclosure, Mechanically Held, Combination Lighting Contactors <small>(26 09 23 00-0101)</small>		
26 09 23 00-0103 EA 30 Amp, 3-Pole, NEMA 4 Enclosure, Mechanically Held, Combination Lighting Contactor With Fused Disconnect Switch.....	1,519.35	114.13
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	68.48	
26 09 23 00-0104 EA 60 Amp, 3-Pole, NEMA 4 Enclosure, Mechanically Held, Combination Lighting Contactor With Fused Disconnect Switch.....	2,500.76	182.62
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	109.57	
26 09 23 00-0105 EA 100 Amp, 3-Pole, NEMA 4 Enclosure, Mechanically Held, Combination Lighting Contactor With Fused Disconnect Switch.....	3,954.79	239.69
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	143.81	
26 09 23 00-0106 EA 200 Amp, 3-Pole, NEMA 4 Enclosure, Mechanically Held, Combination Lighting Contactor With Fused Disconnect Switch.....	6,457.99	313.87
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	188.32	
26 09 23 00-0107 Photo-Cell, Relay, Lighting Arrester, Receptacle And Bracket <small>(26 09 23)</small>		
26 09 23 00-0108 EA Photo-Cell, 105-130 Volt Relay, Lighting Arrester, Receptacle And Bracket.....	97.46	26.98
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	16.21	

26 Electrical**26 09 Instrumentation and Control for Electrical Systems****26 09 23 Lighting Control Devices**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0109 EA Photo-Cell, 105-285 Volt Relay, Lighting Arrester, Receptacle And Bracket <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	104.65 16.21	26.98
26 09 23 00-0110 Dimming Module System (Lutron Grafik Eye) ^(26 09 23)		
26 09 23 00-0111 EA 2,000 Watt Dimming Capacity, 120/277 Volt, Dimming Module System (Lutron Grafik Eye Hi-Power HP-2)..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	960.58 62.26	103.76
26 09 23 00-0112 EA 4,000 Watt Dimming Capacity, 120/277 Volt, Dimming Module System (Lutron Grafik Eye Hi-Power HP-4)..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,216.34 62.26	103.76
26 09 23 00-0113 EA 6,000 Watt Dimming Capacity, 120/277 Volt, Dimming Module System (Lutron Grafik Eye Hi-Power HP-6)..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,476.66 62.26	103.76
26 09 23 00-0114 Light Control Panels ^(26 09 23)		
26 09 23 00-0115 Lighting Control Panels (Watt Stopper) ^(26 09 23 00-0114)		
26 09 23 00-0116 Lighting Control Panels (Watt Stopper) ^(26 09 23 00-0115)		
26 09 23 00-0117 EA 4 Relays, Surface Mount, Lighting Control Panel (Watt Stopper LP8S-4) <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,375.67 87.27	145.45
26 09 23 00-0118 EA 8 Relays, Surface Mount, Lighting Control Panel (Watt Stopper LP8S-8) <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,297.77 93.51	155.84
26 09 23 00-0119 EA 8 Relays, Surface Mount, Lighting Control Panel With Group Switching Card (Watt Stopper LP8S-8-G) <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,451.92 93.51	155.84
26 09 23 00-0120 EA 8 Relays, Surface Mount, Lighting Control Panel With DIN Rail (Watt Stopper LP24S-8) <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,141.77 93.51	155.84
26 09 23 00-0121 EA 8 Relays, Surface Mount, Lighting Control Panel With Group Switching Card And DIN Rail (Watt Stopper LP24S-8-G) <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,322.74 93.51	155.84
26 09 23 00-0122 EA 4 Relays, Flush Mount, Lighting Control Panel (Watt Stopper LP8F-4) <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,523.91 87.27	145.45
26 09 23 00-0123 EA 8 Relays, Flush Mount, Lighting Control Panel (Watt Stopper LP8F-8) <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,635.10 93.51	155.84
26 09 23 00-0124 EA 8 Relays, Flush Mount, Lighting Control Panel With Group Switching Card (Watt Stopper LP8F-8-G) <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,815.90 93.51	155.84
26 09 23 00-0125 EA 8 Relays, Flush Mount, Lighting Control Panel With DIN Rail (Watt Stopper LP24F-8) <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,214.09 93.51	155.84
26 09 23 00-0126 EA 8 Relays, Flush Mount, Lighting Control Panel With Group Switching Card And DIN Rail (Watt Stopper LP24F-8-G) <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,395.06 93.51	155.84
26 09 23 00-0127 Accessories For Lighting Control Panels (Watt Stopper) ^(26 09 23 00-0115)		
26 09 23 00-0128 EA Low Voltage Photocell For Watt Stopper Lighting Control Panels (Watt Stopper EM-24A2) <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	137.89 15.59	25.97
26 09 23 00-0129 EA Automatic Control Switch For Watt Stopper Lighting Control Panels (Watt Stopper AS-100-W) <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	106.43 12.47	20.77
26 09 23 00-0130 EA Low Voltage Momentary Switch For Watt Stopper Lighting Control Panels (Watt Stopper DCC2) <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	59.92 12.47	20.77
26 09 23 00-0131 Lighting Control Panels (Synergy) ^(26 09 23 00-0114)		
26 09 23 00-0132 Lighting Control Panels (Synergy) ^(26 09 23 00-0131)		
26 09 23 00-0133 EA 8 Relays, Surface Mount, Lighting Control Panel (Synergy SwitchPak SPAK 8S) <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,517.12 93.51	155.84
26 09 23 00-0134 Accessories For Lighting Control Panels (Synergy) ^(26 09 23 00-0131)		
26 09 23 00-0135 EA Outdoor Photocell For Synergy SwitchPak Lighting Control Panels (Synergy LSA-APS-OL)..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	362.10 15.59	25.97
26 09 23 00-0136 EA Sweepswitch, Line Voltage Override Switch For Synergy SwitchPak Lighting Control Panels (Synergy SSPL-20) <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	140.51 6.23	10.39
26 09 23 00-0137 EA Override Switch For Synergy SwitchPak Lighting Control Panels (Synergy LVPS-2BT) <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	87.52 9.35	15.59
26 09 23 00-0138 Lighting Switching Panels (Lutron) ^(26 09 23 00-0114)		
26 09 23 00-0139 Lighting Switching Panels (Lutron) ^(26 09 23 00-0138)		
26 09 23 00-0140 EA 8 Switch Legs, Surface Mount, Feed-Through, Lighting Switching Panels (Lutron Softswitch128® XPS8-FT)..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,258.26 93.51	155.84
26 09 23 00-0141 EA 12 Switch Legs, Surface Mount, Feed-Through, Lighting Switching Panels (Lutron Softswitch128® XPS12-FT) <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,686.41 99.74	166.24
26 09 23 00-0142 EA 16 Switch Legs, Surface Mount, Feed-Through, Lighting Switching Panels (Lutron Softswitch128® XPS16-FT) <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,174.79 105.98	176.63
26 09 23 00-0143 Wireless (ZigBee) LED Lighting Control Panels (PlanLED GigaTera) ^(26 09 23 00-0114)		
26 09 23 00-0144 EA 6 Zone, Surface Mount, 0 To 10 Volt Dimming, Wireless (ZigBee) LED Lighting Control Panel (PlanLED GigaTera IPC6Z) <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	868.41 87.27	145.45



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0145	EA		12 Zone, Surface Mount, 0 To 10 Volt Dimming, Wireless (ZigBee) LED Lighting Control Panel (PlanLED GigaTera IPC12Z)	973.41	145.45
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>87.27</i>	
26 09 23 00-0146	EA		18 Zone, Surface Mount, 0 To 10 Volt Dimming, Wireless (ZigBee) LED Lighting Control Panel (PlanLED GigaTera IPC18Z)	1,078.41	145.45
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>87.27</i>	
26 09 23 00-0147			Power Filters <small>(26 09 23 00-0114)</small>		
26 09 23 00-0148	EA		600 Amp 480/277 Volt, 4 Conductor Power Filter With 80" X 60" X 17"	23,271.97	864.63
26 09 23 00-0149	EA		200 Amp 480/277 Volt, 4 Conductor Power Filter With 25" X 40" X 17"	13,677.46	375.92
26 09 23 00-0150			Signal Filters <small>(26 09 23 00-0114)</small>		
26 09 23 00-0151	EA		0.5 Amp 125 V 500 Conductor Signal Filter With 19" X 36-3/4" X 19-1/8 Case.....	10,907.26	786.08
26 09 23 00-0152	EA		0.5 Amp 125 V 200 Conductor Signal Filter With 29" X 40" X 11" Case.....	7,423.53	480.41
26 09 23 00-0153	EA		0.5 Amp 125 V 3 Pair Conductor Signal Filter With 12" X 12" X 4" Case	4,148.29	278.91
26 09 23 00-0154	EA		5 Amp 24 V DC 5 V 2 - 1 Pair Conductor Signal Filter With Case	5,584.47	278.91
26 09 23 00-0155			Radio Controlled Devices (Lutron) <small>(26 09 23)</small>		
26 09 23 00-0156			Tabletop Transmitters For Radio Controlled Devices <small>(26 09 23 00-0155)</small>		
26 09 23 00-0157			Switched Lighting Controls, Tabletop Wireless Transmitter <small>(26 09 23 00-0156)</small>		
26 09 23 00-0158	EA		One Zone Of On/Off Switched Lighting Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-SW-B-WH).....	268.03	15.59
26 09 23 00-0159	EA		Two Zones Of On/Off Switched Lighting Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-2SW-B-WH).....	345.48	15.59
26 09 23 00-0160	EA		Three Zones Of On/Off Switched Lighting Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-3SW-B-WH)	432.62	15.59
26 09 23 00-0161			Dimmable Lighting Controls, Tabletop Wireless Transmitter <small>(26 09 23 00-0156)</small>		
26 09 23 00-0162	EA		One Zone Of Dimmable Lighting Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-L-B-WH)	268.03	15.59
26 09 23 00-0163	EA		Two Zones Of Dimmable Lighting Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-2L-B-WH)	316.44	15.59
26 09 23 00-0164	EA		Three Zones Of Dimmable Lighting Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-3L-B-WH).....	432.62	15.59
26 09 23 00-0165	EA		One Zone Of Four Pre Set Lighting Levels And Dimmable Lighting Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-L-WH).....	268.03	15.59
26 09 23 00-0166	EA		Two Zones Of Four Pre Set Lighting Levels And Dimmable Lighting Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-2L-WH).....	345.48	15.59
26 09 23 00-0167	EA		Three Zones Of Four Pre Set Lighting Levels And Dimmable Lighting Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-3L-WH).....	432.62	15.59
26 09 23 00-0168			Dimmable And Switched Lighting Controls, Tabletop Wireless Transmitter <small>(26 09 23 00-0156)</small>		
26 09 23 00-0169	EA		One Zone Of Dimmable Lighting Controls And One Zone Of On/Off Switched Lighting Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-LSW-B-WH)	345.48	15.59
26 09 23 00-0170	EA		Two Zones Of Dimmable Lighting Controls And One Zone Of On/Off Switched Lighting Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-2LSW-B-WH).....	432.62	15.59
26 09 23 00-0171	EA		One Zone Of Dimmable Lighting Controls And Two Zones Of On/Off Switched Lighting Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-L2SW-B-WH).....	432.62	15.59
26 09 23 00-0172			Dimmable Lighting Controls And Shade Or Projection Controls, Tabletop Wireless Transmitter <small>(26 09 23 00-0156)</small>		
26 09 23 00-0173	EA		One Zone Of Open/Stop/Close Motorized Shade Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-C3-B-WH)	268.03	15.59
26 09 23 00-0174	EA		Two Zones Of Open/Stop/Close Motorized Shade Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-2C3-B-WH).....	345.48	15.59
26 09 23 00-0175	EA		One Zone Of Dimmable Lighting Controls And One Zone Of Output Switch Projection Screen Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-LC2-B-WH).....	316.44	15.59
26 09 23 00-0176	EA		Two Zones Of Dimmable Lighting Controls And One Zone Of Output Switch Projection Screen Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-2LC2-B-WH).....	384.21	15.59
26 09 23 00-0177	EA		One Zone Of Dimmable Lighting Controls And One Zone Of Open/Stop/Close Motorized Shade Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-LC3-B-WH).....	345.48	15.59
26 09 23 00-0178	EA		Two Zones Of Dimmable Lighting Controls And One Zone Of Open/Stop/Close Motorized Shade Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-2LC3-B-WH)	413.26	15.59
26 09 23 00-0179	EA		One Zone Of Dimmable Lighting Controls And Two Zones Of Open/Stop/Close Motorized Shade Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-L2C3-B-WH)	345.48	15.59
26 09 23 00-0180			Dimmable Lighting Controls And Sivoia QED Shade Controls, Tabletop Wireless Transmitter <small>(26 09 23 00-0156)</small>		
26 09 23 00-0181	EA		One Zone Of Sivoia QED Open/Stop/Preset Motorized Shade Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-Q-B-WH).....	268.03	15.59
26 09 23 00-0182	EA		Two Zones Of Sivoia QED Open/Stop/Preset Motorized Shade Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-2Q-B-WH).....	345.48	15.59
26 09 23 00-0183	EA		One Zone Of Dimmable Lighting Controls And One Zone Of Sivoia QED Open/Stop/Preset Motorized Shade Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-LQ-B-WH)	345.48	15.59
26 09 23 00-0184	EA		Two Zones Of Dimmable Lighting Controls And One Zone Of Sivoia QED Open/Stop/Preset Motorized Shade Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-2LQ-B-WH)	432.62	15.59
26 09 23 00-0185	EA		One Zone Of Dimmable Lighting Controls And Two Zones Of Sivoia QED Open/Stop/Preset Motorized Shade Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-L2Q-B-WH)	345.48	15.59

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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0186 EA One Zone Of Dimmable Lighting Controls, One Zone Of Sivoia QED Open/Stop/Preset Motorized Shade Controls, One Zone Of Output Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-LQC2-B-WH)	432.62	15.59
26 09 23 00-0187 Output Switch Closure Controls, Tabletop Wireless Transmitter (26 09 23 00-0156)		
26 09 23 00-0188 EA Five Buttons Of Output Switch Closures For Grafik Eye Systems, Tabletop Wireless Transmitter (Lutron RTA-TX-C5-WH).....	268.03	15.59
26 09 23 00-0189 EA Nine Buttons Of Output Switch Closures For Grafik Eye Systems, Tabletop Wireless Transmitter (Lutron RTA-TX-C5C4-WH)	345.48	15.59
26 09 23 00-0190 EA Thirteen Buttons Of Output Switch Closures For Grafik Eye Systems, Tabletop Wireless Transmitter (Lutron RTA-TX-C52C4-WH)	432.62	15.59
26 09 23 00-0191 Accessories For Tabletop Wireless Transmitter (26 09 23 00-0156)		
26 09 23 00-0192 EA Security Mounting Brackets For Tabletop Wireless Transmitters (Lutron RTA-SEC-WH)	64.70	15.59
26 09 23 00-0193 Wall Box Transmitters For Radio Controlled Devices (26 09 23 00-0155)		
26 09 23 00-0194 EA On/Off Switched Lighting Controls, Wall Box Wireless Transmitter (Lutron RTA-WX-2BSW-WH)	248.66	15.59
26 09 23 00-0195 EA Dimmable Lighting Controls, Wall Box Wireless Transmitter (Lutron RTA-WX-2B-WH).....	268.03	15.59
26 09 23 00-0196 EA Four Preset Lighting Level And Dimmable Lighting Controls, Wall Box Wireless Transmitter (Lutron RTA-WX-5B-WH)	268.03	15.59
26 09 23 00-0197 EA Open/Stop/Close Motorized Shade Controls, Wall Box Wireless Transmitter (Lutron RTA-WX-C3LB-WH).....	268.03	15.59
26 09 23 00-0198 EA Up/Down Projection Screen Controls, Wall Box Wireless Transmitter (Lutron RTA-WX-C2LB-WH).....	268.03	15.59
26 09 23 00-0199 EA Open/Stop/Close Sivoia QED Shade Controls, Wall Box Wireless Transmitter (Lutron RTA-WX-Q3LB-WH).....	268.03	15.59
26 09 23 00-0200 Interfaces For Radio Controlled Devices (26 09 23 00-0155)		
26 09 23 00-0201 EA Incandescent And Magnetic Low Voltage Lighting Interface For Radio Controlled Devices (Lutron FDI-INC-2000)	248.66	15.59
26 09 23 00-0202 EA Lutron Tu-Wire Ballast Interface For Radio Controlled Devices (Lutron FDI-INC-2000).....	248.66	15.59
26 09 23 00-0203 EA Electronic Low Voltage Lighting Interface For Radio Controlled Devices (Lutron FDI-ELV-1000)	248.66	15.59
26 09 23 00-0204 EA Sivoia QED Controllable Window Treatments Contact Closure Interface For Radio Controlled Devices (Lutron SVQ-CCI-8)	494.59	15.59
26 09 23 00-0205 EA RS-232 Interface For Radio Controlled Devices (Lutron RTA-RS232)	703.72	15.59
26 09 23 00-0206 EA Switch Closure Input Interface For Radio Controlled (Lutron RTA-SCI)	703.72	15.59
26 09 23 00-0207 Fluorescent Controllers For Radio Controlled Devices (26 09 23 00-0155)		
26 09 23 00-0208 EA On/Off Switched Fluorescent Controllers For Radio Controlled Devices (Lutron RTA-RX-SW)	316.44	15.59
26 09 23 00-0209 EA Dimmable Fluorescent Controllers For Radio Controlled Devices (Lutron RTA-RX-F).....	355.16	15.59
26 09 23 00-0210 EA Switch Closures And Dimmable Fluorescent Controllers For Radio Controlled Devices (Lutron RTA-RX-F-SC).....	413.26	15.59
26 09 23 00-0211 AC Motor Group Controllers For Radio Controlled Devices (26 09 23 00-0155)		
26 09 23 00-0212 EA Up To Two Motors, AC Motor Group Controllers For Radio Controlled Devices (Lutron WC-2M-GC)	461.67	15.59
26 09 23 00-0213 EA Up To Four Motors, AC Motor Group Controllers For Radio Controlled Devices (Lutron WC-4M-GC).....	631.11	15.59
26 09 23 00-0214 Occupancy Sensors (Watt Stopper) (26 09 23)		
Note: Includes testing of new devices and certification.		
26 09 23 00-0215 Occupancy Sensors (26 09 23 00-0214)		
Note: Exclude boxes.		
26 09 23 00-0216 Wall Switch Mounted Occupancy Sensors (26 09 23 00-0215)		
26 09 23 00-0217 Ultrasonic, Wall Switch Mounted Occupancy Sensors (26 09 23 00-0216)		
26 09 23 00-0218 EA Ultrasonic, Wall Switch Mounted Occupancy Sensor (Watt Stopper UW-100).....	96.93	10.39
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.23	
26 09 23 00-0219 EA Dual Relay, Ultrasonic, Wall Switch Mounted Occupancy Sensor (Watt Stopper UW-200).....	113.79	10.39
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.23	
26 09 23 00-0220 Passive Infrared, Wall Switch Mounted Occupancy Sensors (26 09 23 00-0216)		
26 09 23 00-0221 EA Nightlight, Passive Infrared, Wall Switch Mounted Occupancy Sensor (Watt Stopper WN-100)	80.62	10.39
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.23	
26 09 23 00-0222 EA Passive Infrared, Wall Switch Mounted Occupancy Sensor (Watt Stopper WS).....	75.51	10.39
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.23	
26 09 23 00-0223 EA Passive Infrared, Wall Switch Mounted Occupancy Sensor (Watt Stopper PW-100)	85.05	10.39
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.23	
26 09 23 00-0224 EA Passive Infrared, Wall Switch Mounted Occupancy Sensor (Watt Stopper WI-200).....	104.77	10.39
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.23	
26 09 23 00-0225 EA Dual Relay, Passive Infrared, Wall Switch Mounted Occupancy Sensor (Watt Stopper PW-200).....	97.95	10.39
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.23	
26 09 23 00-0226 EA Dimmable, Passive Infrared, Wall Switch Mounted Occupancy Sensor (Watt Stopper WD)	96.88	10.39
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.23	
26 09 23 00-0227 Passive Infrared And Ultrasonic, Wall Switch Mounted Occupancy Sensors (26 09 23 00-0216)		
26 09 23 00-0228 EA Passive Infrared And Ultrasonic, Wall Switch Mounted Occupancy Sensor (Watt Stopper DW-100).....	139.47	10.39
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.23	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0229 EA Dual Relay, Passive Infrared And Ultrasonic, Wall Switch Mounted Occupancy Sensor (Watt Stopper DW-200) <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	150.14 6.23	10.39
26 09 23 00-0230 Wall Switch Mounted Occupancy Sensor Accessories <small>(26 09 23 00-0216)</small>		
26 09 23 00-0231 EA Single Gang, Plastic Switch Plate Cover For Occupancy Sensors (Watt Stopper ASP).....	6.22	2.60
26 09 23 00-0232 EA One Side Blank, Double Gang, Plastic Switch Plate Cover For Occupancy Sensors (Watt Stopper ASP)	7.07	2.60
26 09 23 00-0233 EA Switch Option, Double Gang, Plastic Switch Plate Cover For Occupancy Sensors (Watt Stopper ASP)	7.07	2.60
26 09 23 00-0234 Ceiling Mounted Occupancy Sensors <small>(26 09 23 00-0215)</small>		
26 09 23 00-0235 Ultrasonic, Ceiling Mounted Occupancy Sensors <small>(26 09 23 00-0234)</small>		
26 09 23 00-0236 25 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensors <small>(26 09 23 00-0235)</small>		
26 09 23 00-0237 EA 500 SF 360 Degree Coverage, 25 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper W-500A).....	131.18	23.37
26 09 23 00-0238 EA 1,000 SF 360 Degree Coverage, 25 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper W-1000A).....	149.52	23.37
26 09 23 00-0239 EA 2,000 SF 360 Degree Coverage, 25 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper W-2000A).....	168.00	23.37
26 09 23 00-0240 EA 90 LF Hallway Coverage, 25 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper W-2000H)	166.33	23.37
26 09 23 00-0241 32 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensors <small>(26 09 23 00-0235)</small>		
26 09 23 00-0242 EA 600 SF 360 Degree Coverage, 32 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper WT-605)	142.04	23.37
26 09 23 00-0243 EA 1,100 SF 360 Degree Coverage, 32 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper WT-1105)	160.64	23.37
26 09 23 00-0244 EA 2,205 SF 360 Degree Coverage, 32 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper WT-2205)	178.26	23.37
26 09 23 00-0245 EA 90 LF Hallway Coverage, 32 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper WT-2255).....	181.24	23.37
26 09 23 00-0246 35 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensors <small>(26 09 23 00-0235)</small>		
26 09 23 00-0247 EA 600 SF 360 Degree Coverage, Panel Integrating, 35 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper WP-605).....	150.76	23.37
26 09 23 00-0248 EA 1,100 SF 360 Degree Coverage, Panel Integrating, 35 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper WP-1105).....	170.76	23.37
26 09 23 00-0249 EA 2,200 SF 360 Degree Coverage, Panel Integrating, 35 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper WP-2205).....	190.76	23.37
26 09 23 00-0250 EA 90 LF Hallway Coverage, Panel Integrating, 35 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper WP-2255).....	190.76	23.37
26 09 23 00-0251 EA 600 SF 360 Degree Coverage, Isolated Relay, 35 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper WT-600).....	153.16	23.37
26 09 23 00-0252 EA 1,100 SF 360 Degree Coverage, Isolated Relay, 35 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper WT-1100).....	172.22	23.37
26 09 23 00-0253 EA 2,200 SF 360 Degree Coverage, Isolated Relay, 35 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper WT-2200)	191.22	23.37
26 09 23 00-0254 EA 90 LF Hallway Coverage, Isolated Relay, 35 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper WT-2250).....	196.69	23.37
26 09 23 00-0255 40 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensors <small>(26 09 23 00-0235)</small>		
26 09 23 00-0256 EA 500 SF 360 Degree Coverage, Isolated Relay, 40 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper UT-300-1).....	147.41	23.37
26 09 23 00-0257 EA 1,000 SF 360 Degree Coverage, Isolated Relay, 40 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper UT-300-2).....	169.64	23.37
26 09 23 00-0258 EA 2,000 SF 360 Degree Coverage, Isolated Relay, 40 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper UT-300-3).....	188.25	23.37
26 09 23 00-0259 EA 500 SF 360 Degree Coverage, Panel Integrating, 40 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper UT-305-1).....	139.22	23.37
26 09 23 00-0260 EA 1,000 SF 360 Degree Coverage, Panel Integrating, 40 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper UT-305-2).....	167.24	23.37
26 09 23 00-0261 EA 2,000 SF 360 Degree Coverage, Panel Integrating, 40 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper UT-305-3).....	176.31	23.37
26 09 23 00-0262 EA 500 SF 360 Degree Coverage, Line Voltage, 40 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper UT-355-1).....	148.57	23.37
26 09 23 00-0263 EA 1,000 SF 360 Degree Coverage, Line Voltage, 40 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper UT-355-2).....	164.70	23.37
26 09 23 00-0264 EA 2,000 SF 360 Degree Coverage, Line Voltage, 40 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper UT-355-3).....	184.61	23.37
26 09 23 00-0265 Passive Infrared, Ceiling Mounted Occupancy Sensors <small>(26 09 23 00-0234)</small>		
26 09 23 00-0266 EA 30 Segment, 5 Level Lens, Passive Infrared, Ceiling Mounted Occupancy Sensor (Watt Stopper WPIR).....	109.77	23.37
26 09 23 00-0267 EA HVAC/BAS, Passive Infrared, Ceiling Mounted Occupancy Sensor (Watt Stopper CI-12/24).....	111.93	23.37
26 09 23 00-0268 EA Passive Infrared, Ceiling Mounted Occupancy Sensor (Watt Stopper CI-205)	117.07	23.37
26 09 23 00-0269 EA Line Voltage, Passive Infrared, Ceiling Mounted Occupancy Sensor (Watt Stopper CI-355)..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	130.83 14.03	23.37
26 09 23 00-0270 EA Low Profile, Isolated Relay, Passive Infrared, Ceiling Mounted Occupancy Sensor (Watt Stopper CI-305).....	132.50	23.37
26 09 23 00-0271 EA Isolated Relay, Passive Infrared, Ceiling Mounted Occupancy Sensor (Watt Stopper CI-200)	139.71	23.37
26 09 23 00-0272 EA Low Profile, Passive Infrared, Ceiling Mounted Occupancy Sensor (Watt Stopper CI-300)	151.24	23.37

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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0273 Passive Infrared And Ultrasonic, Ceiling Mounted Occupancy Sensors <small>(26 09 23 00-0234)</small>		
26 09 23 00-0274 EA 1,000 SF 360 Degree Coverage, Line Voltage, Passive Infrared, Ceiling Mounted Occupancy Sensor (Watt Stopper DT-355).....	178.10	23.37
26 09 23 00-0275 EA 1,000 SF 360 Degree Coverage, Isolated Relay, Passive Infrared, Ceiling Mounted Occupancy Sensor (Watt Stopper DT-300).....	202.50	23.37
26 09 23 00-0276 EA 1,000 SF 360 Degree Coverage, Passive Infrared, Ceiling Mounted Occupancy Sensor (Watt Stopper DT-305).....	172.93	23.37
26 09 23 00-0277 Ceiling/Wall Mounted Occupancy Sensors <small>(26 09 23 00-0215)</small>		
26 09 23 00-0278 Passive Infrared, Ceiling/Wall Mounted Occupancy Sensors <small>(26 09 23 00-0277)</small>		
26 09 23 00-0279 EA 120 LF Coverage, Low Temperature, Passive Infrared, Ceiling/Wall Mounted Occupancy Sensor (Watt Stopper CB-100-1/3).....	217.11	23.37
26 09 23 00-0280 EA 2,000 SF Coverage, Low Temperature, Passive Infrared, Ceiling/Wall Mounted Occupancy Sensor (Watt Stopper CB-100).....	217.11	23.37
26 09 23 00-0281 Passive Infrared And Ultrasonic, Ceiling/Wall Mounted Occupancy Sensors <small>(26 09 23 00-0277)</small>		
26 09 23 00-0282 EA 2,000 SF Coverage, Passive Infrared And Ultrasonic, Ceiling/Wall Mounted Occupancy Sensor (Watt Stopper DT-200).....	202.50	23.37
26 09 23 00-0283 Occupancy Sensor Power Packs <small>(26 09 23 00-0214)</small>		
26 09 23 00-0284 Single Voltage, Occupancy Sensor Power Packs <small>(26 09 23 00-0283)</small>		
26 09 23 00-0285 EA 220 - 240 Volt AC, 20 Amp, Occupancy Sensor Power Pack (Watt Stopper B230E-P).....	75.66	20.77
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.47	
26 09 23 00-0286 EA 347 Volt AC, 15 Amp, Occupancy Sensor Power Pack (Watt Stopper B347D-P).....	69.47	20.77
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.47	
26 09 23 00-0287 Auxiliary, Occupancy Sensor Power Packs <small>(26 09 23 00-0283)</small>		
26 09 23 00-0288 EA 120, 277 Or 347 Volt AC, 20 Amp, Auxiliary Occupancy Sensor Power Pack (Watt Stopper S120/277/347E-P).....	64.37	20.77
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.47	
26 09 23 00-0289 Universal Voltage, Power Packs For Occupancy Sensors <small>(26 09 23 00-0283)</small>		
26 09 23 00-0290 EA 120/277 Volt AC, 20 Amp, Dual Voltage, Occupancy Sensor Power Pack (Watt Stopper BZ-100).....	83.05	20.77
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.47	
26 09 23 00-0291 Form C, Occupancy Sensor Power Packs <small>(26 09 23 00-0283)</small>		
26 09 23 00-0292 EA 120 Volt AC, Form C, Occupancy Sensor Power Pack (Watt Stopper A120C-P).....	75.95	20.77
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.47	
26 09 23 00-0293 EA 277 Volt AC, Form C, Occupancy Sensor Power Pack (Watt Stopper A277C-P).....	76.00	20.77
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.47	
26 09 23 00-0294 Two Relay, Occupancy Sensor Power Packs <small>(26 09 23 00-0283)</small>		
26 09 23 00-0295 EA 120 Volt AC, Two Relay, Occupancy Sensor Power Pack (Watt Stopper C120E-P).....	93.90	20.77
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.47	
26 09 23 00-0296 EA 277 Volt AC, Two Relay, Occupancy Sensor Power Pack (Watt Stopper C277E-P).....	95.13	20.77
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.47	
26 09 23 00-0297 Occupancy Sensor Power Supplies <small>(26 09 23 00-0283)</small>		
26 09 23 00-0298 EA 120 Volt AC, Occupancy Sensor Power Supply (Watt Stopper AT-120).....	193.52	20.77
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.47	
26 09 23 00-0299 EA 277 Volt AC, Occupancy Sensor Power Supply (Watt Stopper AT-277).....	184.69	20.77
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.47	
26 09 23 00-0300 Intelligent, Occupancy Sensor Power Packs <small>(26 09 23 00-0283)</small>		
26 09 23 00-0301 EA 120/277 Volt AC, Two Relays, Two Dimming Channels, Intelligent Occupancy Sensor Power Pack (Watt Stopper LC-100).....	242.27	20.77
26 09 23 00-0302 DIN Rail Mounted, Occupancy Sensor Power Packs <small>(26 09 23 00-0283)</small>		
26 09 23 00-0303 EA 120/230/277 Volt AC, DIN Rail Mounted, Occupancy Sensor Power Pack (Watt Stopper BD-100).....	82.34	20.77
26 09 23 00-0304 Occupancy Sensor Accessories <small>(26 09 23 00-0214)</small>		
26 09 23 00-0305 Protective Cages For Occupancy Sensors <small>(26 09 23 00-0304)</small>		
26 09 23 00-0306 EA Protective Cage For Occupancy Sensors (Watt Stopper WC).....	46.01	7.79
26 09 23 00-0307 Mounting Brackets For Occupancy Sensors <small>(26 09 23 00-0304)</small>		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0308 EA Mounting Bracket For Occupancy Sensor (Watt Stopper MB).....	38.12	12.99
Note: Includes J-plate for mounting to HID fixtures or L-plate for mounting to fluorescent fixtures, walls, shelves and girders.		
26 09 23 00-0309 Occupancy/Lighting Logger <small>(26 09 23 00-0304)</small>		
Note: Logs when a space is occupied/vacant and when lighting is on/off.		
26 09 23 00-0310 EA Occupancy/Lighting Logger With Connector Cable (Watt Stopper IT-200).....	337.25	44.16
26 09 23 00-0311 Remove And Reinstall Occupancy Sensors <small>(26 09 23 00-0304)</small>		
26 09 23 00-0312 EA Removal And Reinstallation Of Surface Mounted Occupancy Sensor.....	70.13	
Note: Includes storing and cleaning.		
26 09 23 00-0313 EA Removal And Reinstallation Of Wall Switch Mounted Occupancy Sensor	31.17	
Note: Includes storing and cleaning.		
26 09 23 00-0314 Digital Time Light Switches <small>(26 09 23 00-0214)</small>		
26 09 23 00-0315 EA Preset Time, Wall Switch Mounted, Digital Time Light Switch (Watt Stopper TS-400)	73.09	10.39
26 09 23 00-0316 Occupancy Sensors (Sensor Switch) <small>(26 09 23)</small>		
Note: Includes testing of new devices and certification.		
26 09 23 00-0317 Occupancy Sensors (Sensor Switch) <small>(26 09 23 00-0316)</small>		
Note: Exclude boxes		
26 09 23 00-0318 Wall Switch Mount Occupancy Sensors (Sensor Switch) <small>(26 09 23 00-0317)</small>		
26 09 23 00-0319 Passive Infrared, Wall Switch Mount Occupancy Sensors (Sensor Switch) <small>(26 09 23 00-0318)</small>		
26 09 23 00-0320 EA Single Pole, Low Voltage, Passive Infrared, Wall Switch Mount Occupancy Sensor (Sensor Switch WSD LV).....	103.27	10.39
26 09 23 00-0321 EA Nightlight, Line Voltage, Passive Infrared, Wall Switch Mount Occupancy Sensor (Sensor Switch WSD NL)	75.77	10.39
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	6.23	
26 09 23 00-0322 EA Single Pole, Line Voltage, Fully Automatic, Passive Infrared, Wall Switch Mount Occupancy Sensor (Sensor Switch WSD)	72.75	10.39
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	6.23	
26 09 23 00-0323 EA Single Pole, Line Voltage, Semi-Automatic, Passive Infrared, Wall Switch Mount Occupancy Sensor (Sensor Switch WSD SA).....	72.75	10.39
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	6.23	
26 09 23 00-0324 EA 2-Pole, Line Voltage, Passive Infrared, Wall Switch Mount Occupancy Sensor (Sensor Switch WSD 2P)	89.52	10.39
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	6.23	
26 09 23 00-0325 EA Single Pole, Passive Infrared, Large Area, Wall Switch Mount Occupancy Sensor (Sensor Switch LWS).....	89.52	10.39
26 09 23 00-0326 EA 2-Pole, Passive Infrared, Large Area, Wall Switch Mount Occupancy Sensor (Sensor Switch LWS 2P).....	106.71	10.39
26 09 23 00-0327 EA Single Pole, Passive Infrared, Internally Powered, Wall Switch Mount Occupancy Sensor (Sensor Switch IPD)	89.52	10.39
26 09 23 00-0328 Dual Technology, Wall Switch Mount Occupancy Sensors (Sensor Switch) <small>(26 09 23 00-0318)</small>		
Note: Includes passive infrared and microphonics detection		
26 09 23 00-0329 EA Single Pole, Low Voltage, Passive Infrared, Wall Switch Mount Occupancy Sensor (Sensor Switch WSD PDT LV).....	130.77	10.39
26 09 23 00-0330 EA Nightlight, Line Voltage, Dual Technology, Wall Switch Mount Occupancy Sensor (Sensor Switch WSD PDT NL)	103.27	10.39
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	6.23	
26 09 23 00-0331 EA Single Pole, Line Voltage, Fully Automatic, Passive Infrared, Wall Switch Mount Occupancy Sensor (Sensor Switch WSD PDT)	101.21	10.39
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	6.23	
26 09 23 00-0332 EA Single Pole, Line Voltage, Semi-Automatic, Passive Infrared, Wall Switch Mount Occupancy Sensor (Sensor Switch WSD PDT SA)	101.21	10.39
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	6.23	
26 09 23 00-0333 EA 2-Pole, Line Voltage, Passive Infrared, Wall Switch Mount Occupancy Sensor (Sensor Switch WSD PDT 2P).....	117.02	10.39
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	6.23	
26 09 23 00-0334 EA Single Pole, Dual Technology, Large Area, Wall Switch Mount Occupancy Sensor (Sensor Switch LWS PDT).....	117.02	10.39
26 09 23 00-0335 EA 2-Pole, Dual Technology, Large Area, Wall Switch Mount Occupancy Sensor (Sensor Switch LWS PDT 2P).....	125.27	10.39
26 09 23 00-0336 Wall Switch Mount Occupancy Sensor Accessories (Sensor Switch) <small>(26 09 23 00-0318)</small>		
26 09 23 00-0337 EA One Blank, 2-Gang, Plastic Switch Plate Cover For Occupancy Sensors (Sensor Switch WS BPX).....	10.70	2.60
26 09 23 00-0338 EA One Switch, 2-Gang, Plastic Switch Plate Cover For Occupancy Sensors (Sensor Switch WS SPX)	10.70	2.60
26 09 23 00-0339 EA Two Blanks, 3-Gang, Plastic Switch Plate Cover For Occupancy Sensors (Sensor Switch WS BPX 3)	18.95	2.60
26 09 23 00-0340 EA Two Switches, 3-Gang, Plastic Switch Plate Cover For Occupancy Sensors (Sensor Switch WS SPX 3).....	18.95	2.60
26 09 23 00-0341 360 Degree View Occupancy Sensors (Sensor Switch) <small>(26 09 23 00-0317)</small>		
26 09 23 00-0342 Passive Infrared, 360 Degree View Occupancy Sensors (Sensor Switch) <small>(26 09 23 00-0341)</small>		
Note: One photocell or dimming option per occupancy sensor		
26 09 23 00-0343 EA Low Voltage, Passive Infrared, Ceiling Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch CM 9)	129.26	23.37
26 09 23 00-0344 EA Low Voltage, Passive Infrared, Recessed Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch RM 9)	129.26	23.37
26 09 23 00-0345 EA Low Voltage, Passive Infrared, Fixture (Box) Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch CMB 9)	129.26	23.37

26 Electrical**26 09 Instrumentation and Control for Electrical Systems****26 09 23 Lighting Control Devices**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0346	EA		Single Pole, Line Voltage, Passive Infrared, Ceiling Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch CMR 9).....	136.14	23.37
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.03	
26 09 23 00-0347	EA		Single Pole, Line Voltage, Passive Infrared, Recessed Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch RMR 9).....	136.14	23.37
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.03	
26 09 23 00-0348	EA		Single Pole, Line Voltage, Passive Infrared, Fixture (Box) Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch CMRB 9).....	114.14	23.37
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.03	
26 09 23 00-0349	EA		2-Pole, Line Voltage, Passive Infrared, Ceiling Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch CMR 9 2P).....	163.64	23.37
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.03	
26 09 23 00-0350	EA		2-Pole, Line Voltage, Passive Infrared, Recessed Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch RMR 9 2P).....	163.64	23.37
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.03	
26 09 23 00-0351	EA		2-Pole, Line Voltage, Passive Infrared, Fixture (Box) Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch CMRB 9 2P).....	141.64	23.37
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.03	
26 09 23 00-0352	EA		Low Voltage, Passive Infrared, Ceiling Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch CM 10).....	129.26	23.37
26 09 23 00-0353	EA		Low Voltage, Passive Infrared, Recessed Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch RM 10).....	129.26	23.37
26 09 23 00-0354	EA		Low Voltage, Passive Infrared, Fixture (Box) Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch CMB 10).....	129.26	23.37
26 09 23 00-0355	EA		Single Pole, Line Voltage, Passive Infrared, Ceiling Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch CMR 10).....	136.14	23.37
26 09 23 00-0356	EA		Single Pole, Line Voltage, Passive Infrared, Recessed Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch RMR 10).....	136.14	23.37
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.03	
26 09 23 00-0357	EA		Single Pole, Line Voltage, Passive Infrared, Fixture (Box) Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch CMRB 10).....	114.14	23.37
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.03	
26 09 23 00-0358	EA		2-Pole, Line Voltage, Passive Infrared, Ceiling Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch CMR 10 2P).....	163.64	23.37
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.03	
26 09 23 00-0359	EA		2-Pole, Line Voltage, Passive Infrared, Recessed Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch RMR 10 2P).....	163.64	23.37
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.03	
26 09 23 00-0360	EA		2-Pole, Line Voltage, Passive Infrared, Fixture (Box) Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch CMRB 10 2P).....	141.64	23.37
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.03	
26 09 23 00-0361			Dual Technology, 360 Degree View Occupancy Sensors (Sensor Switch) ^(26 09 23 00-0341) Note: One photocell or dimming option per occupancy sensor. Includes passive infrared and microphonics detection		
26 09 23 00-0362	EA		Low Voltage, Dual Technology, Ceiling Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch CM PDT 9).....	156.76	23.37
26 09 23 00-0363	EA		Low Voltage, Dual Technology, Recessed Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch RM PDT 9).....	156.76	23.37
26 09 23 00-0364	EA		Low Voltage, Dual Technology, Fixture (Box) Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch CMB PDT 9).....	156.76	23.37
26 09 23 00-0365	EA		Single Pole, Line Voltage, Dual Technology, Ceiling Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch CMR PDT 9).....	149.88	23.37
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.03	
26 09 23 00-0366	EA		Single Pole, Line Voltage, Dual Technology, Recessed Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch RMR PDT 9).....	149.88	23.37
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.03	
26 09 23 00-0367	EA		Single Pole, Line Voltage, Dual Technology, Fixture (Box) Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch CMRB PDT 9).....	127.88	23.37
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.03	
26 09 23 00-0368	EA		2-Pole, Line Voltage, Dual Technology, Ceiling Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch CMR PDT 9 2P).....	177.38	23.37
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.03	
26 09 23 00-0369	EA		2-Pole, Line Voltage, Dual Technology, Recessed Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch RMR PDT 9 2P).....	177.38	23.37
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.03	
26 09 23 00-0370	EA		2-Pole, Line Voltage, Dual Technology, Fixture (Box) Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch CMRB PDT 9 2P).....	155.38	23.37
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.03	
26 09 23 00-0371	EA		Low Voltage, Dual Technology, Ceiling Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch CM PDT 10).....	156.76	23.37
26 09 23 00-0372	EA		Low Voltage, Dual Technology, Recessed Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch RM PDT 10).....	156.76	23.37
26 09 23 00-0373	EA		Low Voltage, Dual Technology, Fixture (Box) Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch CMB PDT 10).....	156.76	23.37
26 09 23 00-0374	EA		Single Pole, Line Voltage, Dual Technology, Ceiling Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch CMR PDT 10).....	149.88	23.37
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.03	
26 09 23 00-0375	EA		Single Pole, Line Voltage, Dual Technology, Recessed Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch RMR PDT 10).....	149.88	23.37
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.03	
26 09 23 00-0376	EA		Single Pole, Line Voltage, Dual Technology, Fixture (Box) Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch CMRB PDT 10).....	127.88	23.37
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.03	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0377 EA 2-Pole, Line Voltage, Dual Technology, Ceiling Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch CMR PDT 10 2P).....	177.38	23.37
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.03	
26 09 23 00-0378 EA 2-Pole, Line Voltage, Dual Technology, Recessed Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch RMR PDT 10 2P).....	177.38	23.37
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.03	
26 09 23 00-0379 EA 2-Pole, Line Voltage, Dual Technology, Fixture (Box) Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch CMRB PDT 10 2P).....	155.38	23.37
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.03	
26 09 23 00-0380 Wide View And Hallway Occupancy Sensors (Sensor Switch) (26 09 23 00-0317)		
26 09 23 00-0381 Passive Infrared, Wide View And Hallway Occupancy Sensors (Sensor Switch) (26 09 23 00-0380)		
26 09 23 00-0382 EA Low Voltage, Passive Infrared, Wall Mount, Wide View Occupancy Sensor (Sensor Switch WV 16)	129.26	23.37
26 09 23 00-0383 EA Low Voltage, Passive Infrared, Wall Mount, Hallway Occupancy Sensor (Sensor Switch HW 13).....	143.01	23.37
26 09 23 00-0384 EA Line Voltage, Passive Infrared, Wall Mount, Hallway Occupancy Sensor (Sensor Switch HWR 13).....	170.51	23.37
26 09 23 00-0385 EA Single Pole, Line Voltage, Passive Infrared, Wall Mount, Wide View Occupancy Sensor (Sensor Switch WVR 16).....	163.64	23.37
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.03	
26 09 23 00-0386 EA 2-Pole, Line Voltage, Passive Infrared, Wall Mount, Wide View Occupancy Sensor (Sensor Switch WVR 16 2P).....	191.14	23.37
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.03	
26 09 23 00-0387 Dual Technology, Wide View And Hallway Occupancy Sensors (Sensor Switch) (26 09 23 00-0380)		
Note: Includes passive infrared and microphonics detection		
26 09 23 00-0388 EA Low Voltage, Dual Technology, Wall Mount, Wide View Occupancy Sensor (Sensor Switch WV PDT 16).....	156.76	23.37
26 09 23 00-0389 EA Single Pole, Line Voltage, Dual Technology, Wall Mount, Wide View Occupancy Sensor (Sensor Switch WVR PDT 16).....	177.38	23.37
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.03	
26 09 23 00-0390 EA 2-Pole, Line Voltage, Dual Technology, Wall Mount, Wide View Occupancy Sensor (Sensor Switch WVR PDT 16 2P).....	204.88	23.37
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.03	
26 09 23 00-0391 High Bay Occupancy Sensors (Sensor Switch) (26 09 23 00-0317)		
26 09 23 00-0392 Passive Infrared, High Bay Occupancy Sensors (Sensor Switch) (26 09 23 00-0391)		
26 09 23 00-0393 EA Low Voltage, Passive Infrared, Ceiling Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch CM 6).....	129.26	23.37
26 09 23 00-0394 EA Low Voltage, Passive Infrared, Recessed Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch RM 6).....	129.26	23.37
26 09 23 00-0395 EA Low Voltage, Passive Infrared, Fixture (Box) Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch CMB 6).....	129.26	23.37
26 09 23 00-0396 EA Single Pole, Line Voltage, Passive Infrared, Ceiling Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch CMR 6).....	114.14	23.37
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.03	
26 09 23 00-0397 EA Single Pole, Line Voltage, Passive Infrared, Recessed Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch RMR 6).....	114.14	23.37
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.03	
26 09 23 00-0398 EA Single Pole, Line Voltage, Passive Infrared, Fixture (Box) Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch CMRB 6).....	114.14	23.37
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.03	
26 09 23 00-0399 EA 2-Pole, Line Voltage, Passive Infrared, Ceiling Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch CMR 6 2P).....	141.64	23.37
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.03	
26 09 23 00-0400 EA 2-Pole, Line Voltage, Passive Infrared, Recessed Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch RMR 6 2P).....	141.64	23.37
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.03	
26 09 23 00-0401 EA 2-Pole, Line Voltage, Passive Infrared, Fixture (Box) Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch CMRB 6 2P).....	141.64	23.37
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.03	
26 09 23 00-0402 EA 208/240 Volt AC, Line Voltage, Passive Infrared, Ceiling Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch CMR 6 208).....	123.76	23.37
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.03	
26 09 23 00-0403 EA 208/240 Volt AC, Line Voltage, Passive Infrared, Recessed Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch RMR 6 208).....	123.76	23.37
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.03	
26 09 23 00-0404 EA 208/240 Volt AC, Line Voltage, Passive Infrared, Fixture (Box) Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch CMRB 6 208).....	123.76	23.37
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.03	
26 09 23 00-0405 EA 480 Volt AC, Line Voltage, Passive Infrared, Ceiling Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch CMR 6 480).....	123.76	23.37
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.03	
26 09 23 00-0406 EA 480 Volt AC, Line Voltage, Passive Infrared, Recessed Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch RMR 6 480).....	123.76	23.37
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.03	
26 09 23 00-0407 EA 480 Volt AC, Line Voltage, Passive Infrared, Fixture (Box) Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch CMRB 6 480).....	123.76	23.37
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.03	
26 09 23 00-0408 EA Low Voltage, Passive Infrared, Surface Mount, Bi-Directional Aisle Way View, High Bay Occupancy Sensor (Sensor Switch HM 50).....	143.01	23.37

26 Electrical

26 09 Instrumentation and Control for Electrical Systems

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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0409 EA Low Voltage, Passive Infrared, Recessed Mount, Bi-Directional Aisle Way View, High Bay Occupancy Sensor (Sensor Switch RM 50).....	143.01	23.37
26 09 23 00-0410 EA Low Voltage, Passive Infrared, Fixture (Box) Mount, Bi-Directional Aisle Way View, High Bay Occupancy Sensor (Sensor Switch CMB 50)	143.01	23.37
26 09 23 00-0411 EA Single Pole, Line Voltage, Passive Infrared, Surface Mount, Bi-Directional Aisle Way View, High Bay Occupancy Sensor (Sensor Switch HMR 50).....	169.14	23.37
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	14.03	
26 09 23 00-0412 EA Single Pole, Line Voltage, Passive Infrared, Recessed Mount, Bi-Directional Aisle Way View, High Bay Occupancy Sensor (Sensor Switch RMR 50).....	169.14	23.37
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	14.03	
26 09 23 00-0413 EA Single Pole, Line Voltage, Passive Infrared, Fixture (Box) Mount, Bi-Directional Aisle Way View, High Bay Occupancy Sensor (Sensor Switch CMRB 50).....	169.14	23.37
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	14.03	
26 09 23 00-0414 EA 2-Pole, Line Voltage, Passive Infrared, Recessed Mount, Bi-Directional Aisle Way View, High Bay Occupancy Sensor (Sensor Switch RMR 50 2P).....	151.26	23.37
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	14.03	
26 09 23 00-0415 EA 2-Pole, Line Voltage, Passive Infrared, Fixture (Box) Mount, Bi-Directional Aisle Way View, High Bay Occupancy Sensor (Sensor Switch CMRB 50 2P).....	151.26	23.37
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	14.03	
26 09 23 00-0416 EA 208/240 Volt AC, Line Voltage, Passive Infrared, Recessed Mount, Bi-Directional Aisle Way View, High Bay Occupancy Sensor (Sensor Switch RMR 50 208).....	130.64	23.37
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	14.03	
26 09 23 00-0417 EA 208/240 Volt AC, Line Voltage, Passive Infrared, Fixture (Box) Mount, Bi-Directional Aisle Way View, High Bay Occupancy Sensor (Sensor Switch CMRB 50 208).....	130.64	23.37
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	14.03	
26 09 23 00-0418 EA 480 Volt AC, Line Voltage, Passive Infrared, Recessed Mount, Bi-Directional Aisle Way View, High Bay Occupancy Sensor (Sensor Switch RMR 50 480).....	130.64	23.37
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	14.03	
26 09 23 00-0419 EA 480 Volt AC, Line Voltage, Passive Infrared, Fixture (Box) Mount, Bi-Directional Aisle Way View, High Bay Occupancy Sensor (Sensor Switch CMRB 50 480).....	130.64	23.37
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	14.03	
26 09 23 00-0420 EA Low Voltage, Passive Infrared, Surface Mount, End Of Aisle Way View, High Bay Occupancy Sensor (Sensor Switch HM 10).....	143.01	23.37
26 09 23 00-0421 EA Low Voltage, Passive Infrared, Fixture (Box) Mount, End Of Aisle Way View, High Bay Occupancy Sensor (Sensor Switch HMB 10).....	143.01	23.37
26 09 23 00-0422 EA Single Pole, Line Voltage, Passive Infrared, Surface Mount, End Of Aisle Way View, High Bay Occupancy Sensor (Sensor Switch HMR 10).....	169.14	23.37
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	14.03	
26 09 23 00-0423 EA Single Pole, Line Voltage, Passive Infrared, Fixture (Box) Mount, End Of Aisle Way View, High Bay Occupancy Sensor (Sensor Switch HMRB 10).....	169.14	23.37
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	14.03	
26 09 23 00-0424 EA 2-Pole, Line Voltage, Passive Infrared, Fixture (Box) Mount, End Of Aisle Way View, High Bay Occupancy Sensor (Sensor Switch HMRB 10 2P).....	163.64	23.37
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	14.03	
26 09 23 00-0425 EA 480 Volt AC, Line Voltage, Passive Infrared, Fixture (Box) Mount, End Of Aisle Way View, High Bay Occupancy Sensor (Sensor Switch HMRB 10 480).....	149.88	23.37
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	14.03	
26 09 23 00-0426 EA 208/240 Volt AC, Line Voltage, Passive Infrared, Fixture (Box) Mount, End Of Aisle Way View, High Bay Occupancy Sensor (Sensor Switch HMRB 10 208).....	149.88	23.37
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	14.03	
26 09 23 00-0427 Occupancy Sensor Power Packs (Sensor Switch) (26 09 23 00-0316)		
26 09 23 00-0428 EA Single Pole, 20 Amp, 120/277 Volt AC, Occupancy Sensor Power Pack With Relay Circuit Protection (Sensor Switch PP20).....	80.06	20.77
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.47	
26 09 23 00-0429 EA 2-Pole, 20 Amp, 120/277 Volt AC, Occupancy Sensor Power Pack With Relay Circuit Protection (Sensor Switch PP20 2P).....	107.56	20.77
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.47	
26 09 23 00-0430 EA Single Pole, 20 Amp, 120/277 Volt AC, Occupancy Sensor Power Pack Without Relay Circuit Protection (Sensor Switch MP20).....	66.31	20.77
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.47	
26 09 23 00-0431 EA 2-Pole, 20 Amp, 120/277 Volt AC, Occupancy Sensor Slave Pack Without Relay Circuit Protection (Sensor Switch MSP20).....	62.18	20.77
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.47	
26 09 23 00-0432 EA 20 Amp, 120/277 Volt AC, Occupancy Sensor Slave Pack (Sensor Switch SP20).....	75.94	20.77
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.47	
26 09 23 00-0433 EA 120/277 Volt AC, High Intensity Discharge (HID) Power Pack With 20 Minute Start To High Override (Sensor Switch PP20 SH).....	110.31	20.77
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.47	
26 09 23 00-0434 EA 120/277 Volt AC, 2-Pole, Power Pack With Alternating Relays (Sensor Switch PP 2PAR).....	110.31	20.77
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.47	
26 09 23 00-0435 EA 120/277 Volt AC, Power Pack With Momentary Contacts For Latching Contactors Or Relays (Sensor Switch PP 2PM).....	110.31	20.77
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.47	
26 09 23 00-0436 Occupancy Sensor Accessories (Sensor Switch) (26 09 23 00-0316)		
26 09 23 00-0437 Remove And Reinstall Occupancy Sensors (26 09 23 00-0436)		
26 09 23 00-0438 EA Removal And Reinstallation Of Wall Switch Mounted Occupancy Sensor.....	31.17	
Note: Includes storing and cleaning.		
26 09 23 00-0439 EA Removal And Reinstallation Of Surface Mounted Occupancy Sensor.....	70.13	
Note: Includes storing and cleaning.		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0440 Daylighting Control (Sensor Switch) <small>(26 09 23 00-0316)</small>		
26 09 23 00-0441 EA Low Voltage, Ceiling Mount, On-Off Switching Photocell (Sensor Switch CM PC).....	115.51	23.37
26 09 23 00-0442 EA Low Voltage, Recessed Mount, On-Off Switching Photocell (Sensor Switch RM PC).....	115.51	23.37
26 09 23 00-0443 EA Low Voltage, Fixture (Box) Mount, On-Off Switching Photocell (Sensor Switch CMB PC).....	115.51	23.37
26 09 23 00-0444 EA Line Voltage, Ceiling Mount, On-Off Switching Photocell (Sensor Switch CMR PC).....	115.51	23.37
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	14.03	
26 09 23 00-0445 EA Line Voltage, Recessed Mount, On-Off Switching Photocell (Sensor Switch RMR PC).....	115.51	23.37
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	14.03	
26 09 23 00-0446 EA Line Voltage, Fixture (Box) Mount, On-Off Switching Photocell (Sensor Switch CMRB PC).....	115.51	23.37
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	14.03	
26 09 23 00-0447 EA Low Voltage, Ceiling Mount, Automatic Dimming Control Photocell (Sensor Switch CM ADC).....	115.51	23.37
26 09 23 00-0448 EA Low Voltage, Recessed Mount, Automatic Dimming Control Photocell (Sensor Switch RM ADC).....	115.51	23.37
26 09 23 00-0449 EA Low Voltage, Fixture (Box) Mount, Automatic Dimming Control Photocell (Sensor Switch CMB ADC).....	115.51	23.37
26 09 23 00-0450 EA Line Voltage, Ceiling Mount, Automatic Dimming Control Photocell (Sensor Switch CMR ADC).....	115.51	23.37
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	14.03	
26 09 23 00-0451 EA Line Voltage, Recessed Mount, Automatic Dimming Control Photocell (Sensor Switch RMR ADC).....	115.51	23.37
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	14.03	
26 09 23 00-0452 EA Line Voltage, Fixture (Box) Mount, Automatic Dimming Control Photocell (Sensor Switch CMRB ADC).....	115.51	23.37
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	14.03	
26 09 23 00-0453 EA Low Voltage, Ceiling Mount, Combination On/Off And Dimming Control Photocell (Sensor Switch CM PC ADC).....	156.76	23.37
26 09 23 00-0454 EA Low Voltage, Recessed Mount, Combination On/Off And Dimming Control Photocell (Sensor Switch RM PC ADC).....	156.76	23.37
26 09 23 00-0455 EA Low Voltage, Fixture (Box) Mount, Combination On/Off And Dimming Control Photocell (Sensor Switch CMB PC ADC).....	156.76	23.37
26 09 23 00-0456 EA Line Voltage, Ceiling Mount, Combination On/Off And Dimming Control Photocell (Sensor Switch CMR PC ADC).....	156.76	23.37
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	14.03	
26 09 23 00-0457 EA Line Voltage, Recessed Mount, Combination On/Off And Dimming Control Photocell (Sensor Switch RMR PC ADC).....	156.76	23.37
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	14.03	
26 09 23 00-0458 EA Line Voltage, Fixture (Box) Mount, Combination On/Off And Dimming Control Photocell (Sensor Switch CMRB PC ADC).....	156.76	23.37
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	14.03	
26 09 23 00-0459 Occupancy Sensors (Sensor Switch nLight®) <small>(26 09 23)</small>		
Note: Includes testing of new devices and certification.		
26 09 23 00-0460 Occupancy Sensors (Sensor Switch nLight®) <small>(26 09 23 00-0459)</small>		
Note: Excludes boxes.		
26 09 23 00-0461 Wall Switch Mount Occupancy Sensors (Sensor Switch nLight®) <small>(26 09 23 00-0460)</small>		
26 09 23 00-0462 Dual Technology, Wall Switch Mount Occupancy Sensors (Sensor Switch nLight®) <small>(26 09 23 00-0461)</small>		
Note: Includes passive infrared and microphonics detection		
26 09 23 00-0463 EA Low Voltage, Dual Technology, Wall Switch Mount Occupancy Sensor With Raise/Lower Dim Control (Sensor Switch nLight® nWSX PDT LV DX).....	178.36	10.39
26 09 23 00-0464 360 Degree View Occupancy Sensors (Sensor Switch nLight®) <small>(26 09 23 00-0460)</small>		
26 09 23 00-0465 Passive Infrared, 360 Degree View Occupancy Sensors (Sensor Switch nLight®) <small>(26 09 23 00-0464)</small>		
Note: One photocell or dimming option per occupancy sensor		
26 09 23 00-0466 EA Low Voltage, Passive Infrared, Ceiling Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch nLight® nCM 9).....	219.93	23.37
26 09 23 00-0467 EA Low Voltage, Passive Infrared, Ceiling Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch nLight® nCM 10).....	219.93	23.37
26 09 23 00-0468 EA Low Voltage, Passive Infrared, Ceiling Mount, Extended Range, 360 Degree View Occupancy Sensor With Auto Dimming Control Photocell (Sensor Switch nLight® nCM 10 ADC).....	219.93	23.37
26 09 23 00-0469 Dual Technology, 360 Degree View Occupancy Sensors (Sensor Switch nLight®) <small>(26 09 23 00-0464)</small>		
Note: One photocell or dimming option per occupancy sensor. Includes passive infrared and microphonics detection		
26 09 23 00-0470 EA Low Voltage, Dual Technology, Ceiling Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch nLight® nCM PDT 9).....	254.56	23.37
26 09 23 00-0471 EA Low Voltage, Dual Technology, Ceiling Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch nLight® nCM PDT 10).....	254.56	23.37
26 09 23 00-0472 EA 2-Channel, Low Voltage, Dual Technology, Ceiling Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch nLight® nCM PDT 10 2P).....	263.21	23.37
26 09 23 00-0473 Wide View And Hallway Occupancy Sensors (Sensor Switch nLight®) <small>(26 09 23 00-0460)</small>		
26 09 23 00-0474 Dual Technology, Wide View And Hallway Occupancy Sensors (Sensor Switch nLight®) <small>(26 09 23 00-0473)</small>		
Note: Includes passive infrared and microphonics detection		
26 09 23 00-0475 EA Low Voltage, Dual Technology, Corner/Ceiling Mount, Wide View Occupancy Sensor (Sensor Switch nLight® nWV PDT 16).....	254.56	23.37

26 Electrical**26 09 Instrumentation and Control for Electrical Systems****26 09 23 Lighting Control Devices**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
26 09 23 00-0476		High Bay Occupancy Sensors (Sensor Switch nLight®) (26 09 23 00-0460)			
26 09 23 00-0477		Passive Infrared, High Bay Occupancy Sensors (Sensor Switch nLight®) (26 09 23 00-0476)			
26 09 23 00-0478	EA	Low Voltage, Passive Infrared, Fixture (Box) Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch nLight® nCMB 6)	219.93		23.37
26 09 23 00-0479		Occupancy Sensor Power Packs (Sensor Switch nLight®) (26 09 23 00-0459)			
26 09 23 00-0480	EA	150mA At 15 Volt DC Output, 120-277 Volt AC Input, Standard Power Supply (Sensor Switch nLight® PS-150)	84.85		20.77
26 09 23 00-0481	EA	250mA At 15 Volt DC Output, 120-277 Volt AC Input, Standard Power Supply (Sensor Switch nLight® PS-250)	102.18		20.77
26 09 23 00-0482	EA	30mA/Port At 15 Volt DC Output, 120-277 Volt AC Input, Dimming Power Pack (Sensor Switch nLight® nEPP5 D KO)	131.61		20.77
26 09 23 00-0483	EA	System Power Pack and Relay, Switching Module (Sensor Switch nLight® nPP 16)	131.61		20.77
26 09 23 00-0484		Occupancy Sensor Accessories (Sensor Switch nLight®) (26 09 23 00-0459)			
26 09 23 00-0485	EA	RS232 AV Integrator (Sensor Switch nLight® nIO X)	263.21		23.37
26 09 23 00-0486	EA	8 Port, Aggregation Bridge With Power Supply (Sensor Switch nLight® nBRG 8 KIT)	349.82		23.37
26 09 23 00-0487		Daylighting Controls (Sensor Switch nLight®) (26 09 23 00-0459)			
26 09 23 00-0488	EA	Low Voltage, Ceiling Mount, Automatic Dimming Control Photocell (Sensor Switch nLight® nCM ADC)	185.29		23.37
26 09 23 00-0489		Controls (Sensor Switch nLight®) (26 09 23 00-0459)			
26 09 23 00-0490	EA	On/Off And Raise/Lower Control, Push Button Digital Wall Switch, WallPod® Station (Sensor Switch nLight® nPODM DX)	128.15		23.37
26 09 23 00-0491	EA	1 Scene Controller (2 Buttons), Push Button Digital Wall Switch, WallPod® Station (Sensor Switch nLight® nPODM 1SB)	176.65		23.37
26 09 23 00-0492	EA	On/Off Push Button Digital Wall Switch, WallPod® Station (Sensor Switch nLight® nPODM)	384.44		23.37
26 09 23 00-0493	EA	3-1/2" Screen, High Resolution Touch Screen Controller, WallPod® Station (Sensor Switch nLight® nPOD GFX)	384.44		23.37
26 09 23 00-0494	EA	3-1/2" Screen, Touch Screen Clock And Network Interface Controller, Gateway (Sensor Switch nLight® nGWY2)	1,388.81		23.37
26 09 23 00-0495		Occupancy Sensors (Lutron) (26 09 23)			
		Note: Includes testing of new devices and certification.			
26 09 23 00-0496		Wireless Occupancy Sensors (26 09 23 00-0495)			
26 09 23 00-0497	EA	Wireless, Passive Infrared, Ceiling Mount, 360 Degree View Occupancy/Vacancy Sensor (Lutron® LRF2-OCR2B-P-WH)	99.46		23.37
26 09 23 00-0498	EA	Wireless, Passive Infrared, Hallway Wall Mount, Occupancy/Vacancy Sensor (Lutron® LRF2-OHLB-P-WH)	100.30		23.37
26 09 23 00-0499	EA	Wireless, Passive Infrared, Hallway Wall Mount, Vacancy Sensor (Lutron® LRF2-VHLB-P-WH)	104.98		23.37
26 09 23 00-0500	EA	Wireless, Passive Infrared, 90 Degree Corner Mount, Occupancy/Vacancy Sensor (Lutron® LRF2-OKLB-P-WH)	101.35		23.37
26 09 23 00-0501	EA	Wireless, Passive Infrared, 90 Degree Corner Mount, Vacancy Sensor (Lutron® LRF2-VKLB-P-WH)	104.98		23.37
26 09 23 00-0502	EA	Wireless, Passive Infrared, 180 Degree Wall Mount, Occupancy/Vacancy Sensor (Lutron® LRF2-OWLB-P-WH)	99.46		23.37
26 09 23 00-0503	EA	Wireless, Passive Infrared, 180 Degree Wall Mount, Vacancy Sensor (Lutron® LRF2-VWLB-P-WH)	101.35		23.37
26 09 23 00-0504	EA	Wireless, Passive Infrared, Ceiling Mount, 360 Degree View, High Bay Occupancy Sensor (Lutron® FHB140NP24V)	100.30		23.37
26 09 23 00-0505	EA	Wireless, Dual Technology, Ceiling Mount, 500 SF Coverage, 180 Degree View Occupancy Sensor (Lutron® LOS-CDT-500-WH)	144.40		23.37
26 09 23 00-0506	EA	Wireless, Dual Technology, Ceiling Mount, 500 SF Coverage, 180 Degree View Occupancy Sensor With Relay (Lutron® LOS-CDT-500R-WH)	152.80		23.37
26 09 23 00-0507	EA	Wireless, Dual Technology, Ceiling Mount, 1,000 SF Coverage, 180 Degree View Occupancy Sensor (Lutron® LOS-CDT-1000-WH)	171.70		23.37
26 09 23 00-0508	EA	Wireless, Dual Technology, Ceiling Mount, 1,000 SF Coverage, 180 Degree View Occupancy Sensor With Relay (Lutron® LOS-CDT-1000R-WH)	180.10		23.37
26 09 23 00-0509	EA	Wireless, Dual Technology, Ceiling Mount, 2,000 SF Coverage, 360 Degree View Occupancy Sensor (Lutron® LOS-CDT-2000-WH)	184.30		23.37
26 09 23 00-0510	EA	Wireless, Dual Technology, Ceiling Mount, 2,000 SF Coverage, 360 Degree View Occupancy Sensor With Relay (Lutron® LOS-CDT-2000R-WH)	192.70		23.37
26 09 23 00-0511	EA	Wireless, Passive Infrared, Ceiling Mount, 450 SF Coverage, 360 Degree View Occupancy Sensor (Lutron® LOS-CIR-450-WH)	117.94		23.37
26 09 23 00-0512	EA	Wireless, Passive Infrared, Ceiling Mount, 1,000 SF Coverage, 360 Degree View Occupancy Sensor (Lutron® LOS-CIR-1500-WH)	123.40		23.37
26 09 23 00-0513	EA	Wireless, Ultrasonic, Ceiling Mount, 500 SF Coverage, 180 Degree View Occupancy Sensor (Lutron® LOS-CUS-500-WH)	141.25		23.37
26 09 23 00-0514	EA	Wireless, Ultrasonic, Ceiling Mount, 1,000 SF Coverage, 180 Degree View Occupancy Sensor (Lutron® LOS-CUS-1000-WH)	154.90		23.37
26 09 23 00-0515	EA	Wireless, Ultrasonic, Ceiling Mount, 2,000 SF Coverage, 360 Degree View Occupancy Sensor (Lutron® LOS-CUS-2000-WH)	165.40		23.37
26 09 23 00-0516	EA	Wireless, Passive Infrared, 1,600 SF Coverage, 110 Degree Wall Mount, Occupancy Sensor (Lutron® LOS-WIR-WH)	145.45		23.37
26 09 23 00-0517		Nodes And Modules (26 09 23 00-0495)			
26 09 23 00-0518	EA	0 Wired Inputs, Ceiling Mount, QS Sensor Module (Lutron® QSM2-XW-C)	149.65		23.37
26 09 23 00-0519	EA	0 Wired Inputs, Junction Box Ceiling Mount, QS Sensor Module (Lutron® QSM2-XW-J)	149.65		23.37
26 09 23 00-0520	EA	4 Wired Inputs, Ceiling Mount, QS Sensor Module (Lutron® QSM2-4W-C)	184.30		23.37
26 09 23 00-0521	EA	4 Wired Inputs, Junction Box Ceiling Mount, QS Sensor Module (Lutron® QSM2-4W-J)	184.30		23.37



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0522 EA 120 Volt, Gang Box Mount, 3-Wire Fluorescent Power Module (Lutron® PHPM-3F-120-WH).....	232.54	25.97
26 09 23 00-0523 EA 120 Volt, Gang Box Mount, Switching Power Module (Lutron® PHPM-SW-DV-WH).....	232.54	25.97
26 09 23 00-0524 EA 120 Volt, Gang Box Mount, Phase Adaptive Power Module (Lutron® PHPM-PA-120-WH).....	277.69	25.97
26 09 23 00-0525 EA 120 Volt, Gang Box Mount, Phase Adaptive Power Module With 3-Wire Fluorescent Input (Lutron® PHPM-WBX-120-WH).....	283.99	25.97
26 09 23 00-0526 EA 120/277 Volt, Gang Box Mount, 3-Wire Fluorescent Power Module (Lutron® PHPM-3F-DV-WH).....	345.94	25.97
26 09 23 00-0527 EA 120/277 Volt, Gang Box Mount, Phase Adaptive Power Module (Lutron® PHPM-PA-DV-WH).....	365.89	25.97
26 09 23 00-0528 EA 120/277 Volt, Gang Box Mount, Phase Adaptive Power Module With 3-Wire Fluorescent Input (Lutron® PHPM-WBX-DV-WH).....	385.84	25.97
26 09 23 00-0529 EA 1 Circuit, Surface Mount, HP Hi-Power Dimming Module System (Lutron® HP-2).....	1,020.24	41.56
26 09 23 00-0530 EA 2 Circuits, Surface Mount, HP Hi-Power Dimming Module System (Lutron® HP-4).....	1,007.01	46.76
26 09 23 00-0531 EA 3 Circuits, Surface Mount, HP Hi-Power Dimming Module System (Lutron® HP-6).....	1,463.64	51.95
26 09 23 00-0532 Other Accessories <small>(26 09 23 00-0495)</small>		
26 09 23 00-0533 EA Pico® Wireless Control Wallplate Adapter (Lutron® PJ).....	31.30	
26 09 23 00-0534 EA Pico® Wireless Control (Lutron® PJ).....	28.54	
26 09 23 00-0535 EA 4-Scene Wireless Remote Control (Lutron® GRX-IT-WH).....	77.64	
26 09 23 00-0536 EA 8-Scene Wireless Remote Control (Lutron® GRX-8IT-WH).....	150.09	
26 09 23 00-0537 EA 4 Button, EcoSystem® Wall Control With Raise/Lower (Lutron® CC-4BRL).....	178.24	23.37
26 09 23 00-0538 EA seeTouch® QS Wallstation (Lutron® QSWS2).....	220.80	23.37
26 09 23 00-0539 EA seeTouch® QS Wallstation With Infrared Receiver (Lutron® QSWS2).....	220.80	23.37
26 09 23 00-0540 EA 120/277 Volt, Energi Savr Node™ With Softswitch®, Fixture Controller (Lutron® QSN-4S16-S).....	352.24	25.97
26 09 23 00-0541 EA 120/277 Volt, Energi Savr Node™ For 0-10 V Models, Fixture Controller (Lutron® QSN-4T16-S).....	475.09	25.97
26 09 23 00-0542 EA Control Interface (Lutron® QSE-CI-NWK-E).....	565.45	23.37
26 09 23 00-0543 EA 1 EcoSystem® Digital Link, Energi Savr Node™, Digital Fixture Controller (Lutron® QSN-1ECO-S).....	561.26	23.37
26 09 23 00-0544 EA 2 EcoSystem® Digital Links, Energi Savr Node™, Digital Fixture Controller (Lutron® QSN-2ECO-S).....	745.01	23.37
26 09 23 00-0545 MLF 5 Conductor, Non-Plenum, Low Voltage Grafik Eye Cable (Lutron® GRX-CBL-346S).....	1,767.62	726.32
26 09 23 00-0546 MLF 5 Conductor, Plenum Rated, Low Voltage Grafik Eye Cable (Lutron® GRX-PCBL-346S).....	2,187.62	726.32
26 09 23 00-0547 Fixture Mounted Occupancy Sensors (Leviton) <small>(26 09 23)</small>		
<small>Note: Includes testing of new devices and certification.</small>		
26 09 23 00-0548 EA 120-347 Volt, Passive Infrared, Fixture Mount, 360 Degree View, High Bay Occupancy Sensor (Leviton® OSFHU-ITW).....	96.10	23.37
26 09 23 00-0549 EA 480 Volt, Passive Infrared, Fixture Mount, 360 Degree View, High Bay Occupancy Sensor (Leviton® OSFHU-14W).....	86.44	23.37
26 09 23 00-0550 EA 120-347 Volt, Passive Infrared, Fixture Mount, 360 Degree View, Cold Storage Occupancy Sensor (Leviton® OSFHU-CTW).....	104.08	23.37
26 09 23 00-0551 EA 480 Volt, Passive Infrared, Fixture Mount, 360 Degree View, Cold Storage Occupancy Sensor (Leviton® OSFHU-C4W).....	86.44	23.37
26 09 23 00-0552 Wireless Enabled Communication Devices For Streetlights <small>(26 09 23)</small>		
<small>Note: Includes testing of new devices and certification.</small>		
26 09 23 00-0553 Wireless Enabled Communication Devices For Streetlights (Roam®) <small>(26 09 23 00-0552)</small>		
26 09 23 00-0554 Wireless Enabled Communication Nodes For Streetlights (Roam®) <small>(26 09 23 00-0553)</small>		
<small>Note: 2.4GHz wireless enabled communication node for wireless remote on/off, group scheduling, photocontrol and diagnostics.</small>		
26 09 23 00-0555 EA 120/244/277 Voltage, Wireless Enabled Communication Node For Streetlights (Roam® REN127 NM1).....	183.93	
26 09 23 00-0556 EA 480 Voltage, Wireless Enabled Communication Node For Streetlights (Roam® REN480 NM1).....	253.19	
26 09 23 00-0557 Wireless Enabled Communication Devices For Streetlights (Roam®) <small>(26 09 23 00-0553)</small>		
26 09 23 00-0558 EA Retrofit Receptacle Kit (Roam® DUR103).....	40.21	
<small>Note: For adapting light fixtures for use with a NEMA locking type photocontrol.</small>		
26 09 23 00-0559 EA Wireless Enabled Backbone And Data Backhaul Device, Gateway (Roam® REG127).....	7,039.04	56.16
26 09 23 00-0560 Consoles <small>(26 09 23)</small>		
26 09 23 00-0561 EA 20" x 24" Type 12, Oil Tight Consolelets, Counter Mounted (Schaefer's SPCL-20C24).....	444.45	129.70
26 09 23 00-0562 Emergency Lighting Controls <small>(26 09 23)</small>		
26 09 23 00-0563 Emergency Lighting Control Units (Watt Stopper ELCU) <small>(26 09 23 00-0562)</small>		
<small>Note: The ELCU monitors a single circuit and can be wired either as a control device, so that emergency lighting follows the control of normal lighting, or as a bypass device to shunt emergency power around a control device when normal power fails. Includes integral push-to-test button and LED indicator for emergency and normal power.</small>		
26 09 23 00-0564 EA DIN Rail Mount, Emergency Lighting Control/Bypass Shunt Unit (Watt Stopper ELCU-100).....	169.47	25.97
26 09 23 00-0565 EA 1/2" Knockout Mount, Emergency Lighting Control/Bypass Shunt Unit (Watt Stopper ELCU-200).....	169.47	25.97
26 09 23 00-0566 Emergency Shunt Relays (Lighting Control & Design GR 2001™) <small>(26 09 23 00-0562)</small>		
<small>Note: Normally-closed, electrically-held relay to be wired in parallel with a wall switch. Manually controlled emergency lighting will be automatically shunted on during a power outage. Includes two-gang NEMA 1 junction box, voltage-separating barrier and plaster ring separating normal and emergency power. Excludes wall plate and switch.</small>		

26 Electrical

26 09 Instrumentation and Control for Electrical Systems

26 09 23 Lighting Control Devices



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0567	EA		1 Emergency Shunt Relay And NEMA 1 Enclosure (Lighting Control & Design GR 2001™)	229.16	36.36
26 09 23 00-0568	EA		2 Emergency Shunt Relays And NEMA 1 Enclosure (Lighting Control & Design GR 2001™)	306.52	41.56
26 09 23 00-0569	EA		2 Emergency Shunt Relays And NEMA 1 Enclosure (Lighting Control & Design GR 2001™ Dual)	406.37	46.76
Note: Controls normal and emergency lighting from single-pole wall switch.					
26 09 23 00-0570 Photocells (26 09 23)					
26 09 23 00-0571	EA		Plug-In Photocell For Lighting Fixtures	69.43	
26 09 23 00-0572	EA		Wired Photocell For Lighting Fixtures	177.12	

26 10 Medium-Voltage Electrical Distribution (26)

26 11 Substations (26 10)

26 11 13 Primary Unit Substations (26 11)

26 11 13 00-0001 "Switchyard" Substation Primary Incoming Section (26 11 13)

26 11 13 00-0002 Outdoor Oil Circuit Breakers "Switchyard" (26 11 13 00-0001)

Note: Type SP 14.4 thru 69 KV 1200 amp. Frame mounted. Standard equipment					
26 11 13 00-0003	EA		14.4 KV, 500 MVA, Outdoor Oil Circuit Breaker Type SP, 1,200 Amp, "Switchyard" Substation	29,141.14	1,779.16
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add				1,085.81	
26 11 13 00-0004	EA		23.0 KV, 750 MVA, Outdoor Oil Circuit Breaker Type SP, 1,200 Amp, "Switchyard" Substation	35,788.38	2,250.11
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add				1,357.27	
26 11 13 00-0005	EA		34.5 KV, 1,500 MVA, Outdoor Oil Circuit Breaker Type SP, 1,200 Amp, "Switchyard" Substation	40,254.68	2,250.11
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add				1,357.27	
26 11 13 00-0006	EA		46 KV, 2,500 MVA, Outdoor Oil Circuit Breaker Type SP, 1,200 Amp, "Switchyard" Substation	46,107.58	2,250.11
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add				1,447.75	
26 11 13 00-0007	EA		69 KV, 3,500 MVA, Outdoor Oil Circuit Breaker Type SP, 1,200 Amp, "Switchyard" Substation	52,354.24	2,773.40
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add				1,670.48	

26 11 13 00-0008 Accessories For Outdoor Oil Circuit Breakers (26 11 13 00-0001)

26 11 13 00-0009	EA		Reclosure Relay, Adjustable, 3 Shot, #179	933.23	189.72
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add				112.34	
26 11 13 00-0010	EA		Overcurrent Relay, 1 Phase, #51/51N	359.34	137.54
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add				74.92	
26 11 13 00-0011	EA		Directional Overcurrent Relay, Three-Phase, Device No. 67	507.83	137.54
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add				93.35	
26 11 13 00-0012	EA		Voltage Relay, Under Or Over- Voltage, Device No. 27 Or 59, Three-Phase	403.40	137.54
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add				74.92	
26 11 13 00-0013	EA		Differential Relay Package, Complete, Device No. 87	1,509.71	464.80
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add				280.66	

26 11 13 00-0014 "Switchyard", Substation Transformer Section (26 11 13)

Note: Standard NEMA design two winding three phase, 60 Hz. oil filled load tap changer 10% Range

26 11 13 00-0015 14.4 KV Nominal Primary (26 11 13 00-0014)

26 11 13 00-0016	EA		1,000 KVA, 14.4 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled	17,521.32	1,779.16
For 50 Hz Operation, Add				1,668.23	
For Forced Air Cooling, Add				1,668.23	
For External Control Panel, Add				417.06	
For Internally Mounted Current Transformers And Linear Couplers, Add				139.02	
For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add				695.10	
For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add				1,737.74	
For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add				2,085.29	
26 11 13 00-0017	EA		2,000 KVA, 14.4 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled	20,218.93	2,229.18
For 50 Hz Operation, Add				1,883.37	
For Forced Air Cooling, Add				1,883.37	
For External Control Panel, Add				470.84	
For Internally Mounted Current Transformers And Linear Couplers, Add				156.95	
For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add				784.74	
For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add				1,961.84	
For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add				2,354.21	
26 11 13 00-0018	EA		5,000 KVA, 14.4 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled	30,856.18	3,139.70
For 50 Hz Operation, Add				2,930.61	
For Forced Air Cooling, Add				2,930.61	
For External Control Panel, Add				732.65	
For Internally Mounted Current Transformers And Linear Couplers, Add				244.22	
For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add				1,221.09	
For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add				3,052.72	
For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add				3,663.26	
26 11 13 00-0019	EA		7,500 KVA, 14.4 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled	43,996.75	3,702.11
For 50 Hz Operation, Add				4,321.42	
For Forced Air Cooling, Add				4,321.42	
For External Control Panel, Add				1,080.35	
For Internally Mounted Current Transformers And Linear Couplers, Add				360.12	
For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add				1,800.59	
For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add				4,501.48	
For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add				5,401.77	



Electrical	26	26
Medium-Voltage Electrical Distribution	26 10	
Substations	26 11	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 11 13 00-0020 EA 10,000 KVA, 14.4 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled <i>For 50 Hz Operation, Add</i> <i>For Forced Air Cooling, Add</i> <i>For External Control Panel, Add</i> <i>For Internally Mounted Current Transformers And Linear Couplers, Add</i> <i>For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add</i> <i>For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add</i> <i>For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add</i>	54,271.61 5,314.85 5,314.85 1,328.71 442.90 2,214.52 5,536.31 6,643.57	4,790.96
26 11 13 00-0021 23 KV Nominal Primary <small>(26 11 13 00-0014)</small>		
26 11 13 00-0022 EA 1,000 KVA, 23 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled <i>For 50 Hz Operation, Add</i> <i>For External Control Panel, Add</i> <i>For Internally Mounted Current Transformers And Linear Couplers, Add</i> <i>For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add</i> <i>For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add</i> <i>For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add</i> <i>For Forced Air Cooling, Add</i>	19,816.71 1,835.10 458.77 152.92 764.62 1,911.56 2,293.87 1,223.40	2,407.11
26 11 13 00-0023 EA 2,000 KVA, 23 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled <i>For 50 Hz Operation, Add</i> <i>For External Control Panel, Add</i> <i>For Internally Mounted Current Transformers And Linear Couplers, Add</i> <i>For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add</i> <i>For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add</i> <i>For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add</i> <i>For Forced Air Cooling, Add</i>	22,767.85 2,076.56 519.14 173.05 865.23 2,163.08 2,595.70 1,384.37	2,407.11
26 11 13 00-0024 EA 5,000 KVA, 23 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled <i>For 50 Hz Operation, Add</i> <i>For External Control Panel, Add</i> <i>For Internally Mounted Current Transformers And Linear Couplers, Add</i> <i>For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add</i> <i>For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add</i> <i>For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add</i> <i>For Forced Air Cooling, Add</i>	35,799.78 3,427.32 856.83 285.61 1,428.05 3,570.13 4,284.15 2,284.88	3,558.32
26 11 13 00-0025 EA 7,500 KVA, 23 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled <i>For 50 Hz Operation, Add</i> <i>For External Control Panel, Add</i> <i>For Internally Mounted Current Transformers And Linear Couplers, Add</i> <i>For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add</i> <i>For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add</i> <i>For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add</i> <i>For Forced Air Cooling, Add</i>	48,062.66 4,569.78 1,142.44 380.81 1,904.07 4,760.19 5,712.22 3,046.52	4,790.96
26 11 13 00-0026 EA 10,000 KVA, 23 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled <i>For 50 Hz Operation, Add</i> <i>For External Control Panel, Add</i> <i>For Internally Mounted Current Transformers And Linear Couplers, Add</i> <i>For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add</i> <i>For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add</i> <i>For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add</i> <i>For Forced Air Cooling, Add</i>	58,410.91 5,811.57 1,452.89 484.30 2,421.49 6,053.72 7,264.46 3,874.38	4,790.96
26 11 13 00-0027 34.5 KV Nominal Primary <small>(26 11 13 00-0014)</small>		
26 11 13 00-0028 EA 1,000 KVA, 34.5 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled <i>For 50 Hz Operation, Add</i> <i>For External Control Panel, Add</i> <i>For Internally Mounted Current Transformers And Linear Couplers, Add</i> <i>For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add</i> <i>For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add</i> <i>For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add</i> <i>For Forced Air Cooling, Add</i>	24,780.01 2,318.02 579.50 193.17 965.84 2,414.60 2,897.52 1,545.34	2,878.06
26 11 13 00-0029 EA 2,000 KVA, 34.5 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled <i>For 50 Hz Operation, Add</i> <i>For External Control Panel, Add</i> <i>For Internally Mounted Current Transformers And Linear Couplers, Add</i> <i>For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add</i> <i>For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add</i> <i>For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add</i> <i>For Forced Air Cooling, Add</i>	29,921.80 2,800.93 700.23 233.41 1,167.06 2,917.64 3,501.17 1,867.29	4,500.24
26 11 13 00-0030 EA 5,000 KVA, 34.5 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled <i>For 50 Hz Operation, Add</i> <i>For External Control Panel, Add</i> <i>For Internally Mounted Current Transformers And Linear Couplers, Add</i> <i>For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add</i> <i>For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add</i> <i>For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add</i> <i>For Forced Air Cooling, Add</i>	41,335.06 3,874.39 968.60 322.87 1,614.33 4,035.83 4,842.99 2,582.93	4,500.24
26 11 13 00-0031 EA 7,500 KVA, 34.5 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled <i>For 50 Hz Operation, Add</i> <i>For External Control Panel, Add</i> <i>For Internally Mounted Current Transformers And Linear Couplers, Add</i> <i>For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add</i> <i>For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add</i> <i>For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add</i> <i>For Forced Air Cooling, Add</i>	52,201.94 5,066.49 1,266.62 422.21 2,111.04 5,277.60 6,333.12 3,377.66	4,682.08

26 Electrical
26 10 Medium-Voltage Electrical Distribution
26 11 Substations



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 11 13 00-0032 EA 10,000 KVA, 34.5 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled.....	88,111.09	5,988.70
For 50 Hz Operation, Add	9,040.22	
For External Control Panel, Add	2,260.06	
For Internally Mounted Current Transformers And Linear Couplers, Add	753.35	
For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	3,766.76	
For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	9,416.90	
For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	11,300.28	
For Forced Air Cooling, Add	6,026.82	
26 11 13 00-0033 46 KV Nominal Primary (26 11 13 00-0014)		
26 11 13 00-0034 EA 1,000 KVA, 46 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled.....	37,138.69	3,349.01
For 50 Hz Operation, Add	3,666.96	
For External Control Panel, Add	916.74	
For Internally Mounted Current Transformers And Linear Couplers, Add	305.58	
For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	1,527.90	
For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	3,819.75	
For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	4,583.70	
For Forced Air Cooling, Add	2,444.64	
26 11 13 00-0035 EA 2,000 KVA, 46 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled.....	41,882.83	3,349.01
For 50 Hz Operation, Add	4,157.29	
For External Control Panel, Add	1,039.32	
For Internally Mounted Current Transformers And Linear Couplers, Add	346.44	
For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	1,732.20	
For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	4,330.51	
For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	5,196.61	
For Forced Air Cooling, Add	2,771.53	
26 11 13 00-0036 EA 5,000 KVA, 46 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled.....	57,548.69	4,500.24
For 50 Hz Operation, Add	5,820.03	
For External Control Panel, Add	1,455.01	
For Internally Mounted Current Transformers And Linear Couplers, Add	485.00	
For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	2,425.01	
For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	6,062.53	
For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	7,275.04	
For Forced Air Cooling, Add	3,880.02	
26 11 13 00-0037 EA 7,500 KVA, 46 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled.....	71,054.64	5,988.70
For 50 Hz Operation, Add	6,993.45	
For External Control Panel, Add	1,748.36	
For Internally Mounted Current Transformers And Linear Couplers, Add	582.79	
For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	2,913.94	
For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	7,284.84	
For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	8,741.81	
For Forced Air Cooling, Add	4,662.30	
26 11 13 00-0038 EA 10,000 KVA, 46 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled.....	98,484.98	5,988.70
For 50 Hz Operation, Add	10,285.09	
For External Control Panel, Add	2,571.27	
For Internally Mounted Current Transformers And Linear Couplers, Add	857.09	
For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	4,285.45	
For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	10,713.64	
For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	12,856.36	
For Forced Air Cooling, Add	6,856.73	
26 11 13 00-0039 69 KV Nominal Primary (26 11 13 00-0014)		
26 11 13 00-0040 EA 1,000 KVA, 69 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled.....	52,389.88	3,558.32
For 50 Hz Operation, Add	5,418.14	
For External Control Panel, Add	1,354.53	
For Internally Mounted Current Transformers And Linear Couplers, Add	451.51	
For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	2,257.56	
For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	5,643.89	
For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	6,772.67	
For Forced Air Cooling, Add	3,612.09	
26 11 13 00-0041 EA 2,000 KVA, 69 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled.....	60,523.70	4,500.24
For 50 Hz Operation, Add	6,177.03	
For External Control Panel, Add	1,544.26	
For Internally Mounted Current Transformers And Linear Couplers, Add	514.75	
For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	2,573.76	
For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	6,434.41	
For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	7,721.29	
For Forced Air Cooling, Add	4,118.02	
26 11 13 00-0042 EA 5,000 KVA, 69 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled.....	81,553.99	4,500.24
For 50 Hz Operation, Add	8,700.67	
For External Control Panel, Add	2,175.17	
For Internally Mounted Current Transformers And Linear Couplers, Add	725.06	
For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	3,625.28	
For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	9,063.19	
For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	10,875.83	
For Forced Air Cooling, Add	5,800.44	
26 11 13 00-0043 EA 7,500 KVA, 69 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled.....	87,810.11	5,988.70
For 50 Hz Operation, Add	9,004.11	
For External Control Panel, Add	2,251.03	
For Internally Mounted Current Transformers And Linear Couplers, Add	750.34	
For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	3,751.71	
For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	9,379.28	
For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	11,255.13	
For Forced Air Cooling, Add	6,002.74	



	MINOR CSI UOM DESCRIPTION		TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 11 13 00-0044	EA 10,000 KVA, 69 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled <i>For 50 Hz Operation, Add</i> <i>For External Control Panel, Add</i> <i>For Internally Mounted Current Transformers And Linear Couplers, Add</i> <i>For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add</i> <i>For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add</i> <i>For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add</i> <i>For Forced Air Cooling, Add</i>	.....	113,140.12 12,043.71 3,010.93 1,003.64 5,018.21 12,545.53 15,054.63 8,029.14	5,988.70
26 11 13 00-0045	Circuit Breakers Fluarc SF6 13.8 KV <small>(26 11 13)</small>			
26 11 13 00-0046	EA 1,200 Amp, 500 MVA, Fluarc Breaker, 13.8 KV Substation, Secondary Distribution Section.....		30,191.99	846.65
26 11 13 00-0047	EA 1,200 Amp, 750 MVA, Fluarc Breaker, 13.8 KV Substation, Secondary Distribution Section.....		33,064.01	846.65
26 11 13 00-0048	EA 1,200 Amp, 1,000 MVA, Fluarc Breaker, 13.8 KV Substation, Secondary Distribution Section.....		37,734.24	1,051.68
26 11 13 00-0049	EA 2,000 Amp, 500 MVA, Fluarc Breaker, 13.8 KV Substation, Secondary Distribution Section.....		35,573.61	1,264.60
26 11 13 00-0050	EA 2,000 Amp, 750 MVA, Fluarc Breaker, 13.8 KV Substation, Secondary Distribution Section.....		39,912.39	1,264.60
26 11 13 00-0051	EA 2,000 Amp, 1,000 MVA, Fluarc Breaker, 13.8 KV Substation, Secondary Distribution Section.....		45,561.22	1,469.19
26 11 13 00-0052	EA 3,000 Amp, 500 MVA, Fluarc Breaker, 13.8 KV Substation, Secondary Distribution Section.....		47,137.06	1,678.55
26 11 13 00-0053	EA 3,000 Amp, 750 MVA, Fluarc Breaker, 13.8 KV Substation, Secondary Distribution Section.....		52,539.09	1,678.55
26 11 13 00-0054	EA 3,000 Amp, 1,000 MVA, Fluarc Breaker, 13.8 KV Substation, Secondary Distribution Section.....		55,197.11	1,885.02
26 11 16	Secondary Unit Substations <small>(26 11)</small>			
26 11 16 00-0001	Substation Primary Incoming Section <small>(26 11 16)</small>			
26 11 16 00-0002	Manual Transferring Fused Load Break Switches <small>(26 11 16 00-0001)</small> Note: 15 KV 600 Amp 3 pole 2 position floor mounted. Type, metal compartment includes weatherproofing, fuses, transformer throat, pothead terminations thru 500 MCM, with surge protection. Manual transferring of one line to an alternate incoming line.			
26 11 16 00-0003	EA 112.5 Thru 1,500 KVA Transformers Load Switch, 600 Amp, 3 Pole, 2 Position.....		21,560.40	1,243.28
26 11 16 00-0004	EA 2,000 And 2,500 KVA Transformers Load Switch, 600 Amp, 3 Pole, 2 Position.....		24,749.42	1,243.28
26 11 16 00-0005	Automatic Transferring Fused Load Break Switches <small>(26 11 16 00-0001)</small> Note: Items are equipped with 3 pole - 2 position selector switch for automatic transferring one line to an alternate incoming line.			
26 11 16 00-0006	EA 112.5 Thru 1,500 KVA Transformers Load Switch, 600 Amp, 3 Pole, 2 Position Selector Switch.....		30,360.56	1,243.28
26 11 16 00-0007	EA 2,000 And 2,500 KVA Transformers Load Switch, 600 Amp, 3 Pole, 2 Position Selector Switch.....		32,436.00	1,243.28
26 11 16 00-0008	Accessories For Substation Fused Load Break Switches <small>(26 11 16 00-0001)</small>			
26 11 16 00-0009	EA Primary Lightning Arrestors Accessories, Secondary Distribution Section.....		5,127.58	
26 11 16 00-0010	EA Key Interlock Accessories, Secondary Distribution Section.....		499.10	
26 11 16 00-0011	Oil Filled Substation Transformers <small>(26 11 16)</small> Note: 112-1/2 KVA thru 2500 KVA standard NEMA design 3 phase cover mounted manual tap changer, liquid level gauge with alarm contacts, thermometer with alarm contacts, pressure vacuum gauge, automatic control for auxiliary cooling equipment. Weatherproof.			
26 11 16 00-0012	Substation, Primary 13.8 KV Secondary 480Y/277 V Or 480 V 60 HZ <small>(26 11 16 00-0011)</small>			
26 11 16 00-0013	EA 75 KVA, Substation, Secondary 480 Y / 277 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof..... <i>For Forced Air Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add</i> <i>For Control Power Transformer On Fans And Auxiliary, Add</i> <i>For Internal Mounted Current Transformer And Linear Coupler, Add</i>		9,942.75 593.43 254.33 84.78	732.60
26 11 16 00-0014	EA 112.5 KVA, Substation, Secondary 480 Y / 277 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof..... <i>For Forced Air Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add</i> <i>For Control Power Transformer On Fans And Auxiliary, Add</i> <i>For Internal Mounted Current Transformer And Linear Coupler, Add</i>		14,232.22 886.37 379.87 126.62	784.92
26 11 16 00-0015	EA 150 KVA, Substation, Secondary 480 Y / 277 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof..... <i>For Forced Air Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add</i> <i>For Control Power Transformer On Fans And Auxiliary, Add</i> <i>For Internal Mounted Current Transformer And Linear Coupler, Add</i>		16,025.81 1,004.59 430.54 143.51	837.26
26 11 16 00-0016	EA 225 KVA, Substation, Secondary 480 Y / 277 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof..... <i>For Forced Air Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add</i> <i>For Control Power Transformer On Fans And Auxiliary, Add</i> <i>For Internal Mounted Current Transformer And Linear Coupler, Add</i>		18,680.57 1,183.80 507.34 169.11	889.58
26 11 16 00-0017	EA 300 KVA, Substation, Secondary 480 Y / 277 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof..... <i>For Forced Air Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add</i> <i>For Control Power Transformer On Fans And Auxiliary, Add</i> <i>For Internal Mounted Current Transformer And Linear Coupler, Add</i>		20,573.64 1,308.29 560.69 186.90	941.90
26 11 16 00-0018	EA 500 KVA, Substation, Secondary 480 Y / 277 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof..... <i>For Forced Air Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add</i> <i>For Control Power Transformer On Fans And Auxiliary, Add</i> <i>For Internal Mounted Current Transformer And Linear Coupler, Add</i>		21,717.87 1,381.06 591.88 197.29	994.24
26 11 16 00-0019	EA 750 KVA, Substation, Secondary 480 Y / 277 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof..... <i>For Forced Air Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add</i> <i>For Control Power Transformer On Fans And Auxiliary, Add</i> <i>For Internal Mounted Current Transformer And Linear Coupler, Add</i>		25,104.20 1,610.77 690.33 230.11	2,250.11
26 11 16 00-0020	EA 1,000 KVA, Substation, Secondary 480 Y / 277 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof..... <i>For Forced Air Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add</i> <i>For Control Power Transformer On Fans And Auxiliary, Add</i> <i>For Internal Mounted Current Transformer And Linear Coupler, Add</i>		26,820.90 1,712.63 733.98 244.66	1,177.39

26	Electrical
26 10	Medium-Voltage Electrical Distribution
26 11	Substations



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 11 16 00-0021 EA 1,500 KVA, Substation, Secondary 480 Y / 277 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof.....	29,897.44	1,255.88
For Forced Air Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add	1,917.00	
For Control Power Transformer On Fans And Auxiliary, Add	821.57	
For Internal Mounted Current Transformer And Linear Coupler, Add	273.86	
26 11 16 00-0022 EA 2,000 KVA, Substation, Secondary 480 Y / 277 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof.....	34,531.60	1,360.53
For Forced Air Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add	2,226.74	
For Control Power Transformer On Fans And Auxiliary, Add	954.32	
For Internal Mounted Current Transformer And Linear Coupler, Add	318.11	
26 11 16 00-0023 EA 2,500 KVA, Substation, Secondary 480 Y / 277 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof.....	37,886.48	1,465.19
For Forced Air Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add	2,446.93	
For Control Power Transformer On Fans And Auxiliary, Add	1,048.68	
For Internal Mounted Current Transformer And Linear Coupler, Add	349.56	
26 11 16 00-0024 Substation, Primary 13.8 KV Secondary 208Y/120 V 60 HZ (26 11 16 00-0011)		
26 11 16 00-0025 EA 75 KVA, Substation, Secondary 208 Y / 120 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof.....	9,519.82	732.60
For Forced Air Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add	563.82	
For Control Power Transformer On Fans And Auxiliary, Add	241.64	
For Internal Mounted Current Transformer And Linear Coupler, Add	80.55	
26 11 16 00-0026 EA 112.5 KVA, Substation, Secondary 208 Y / 120 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof.....	14,095.07	784.92
For Forced Air Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add	876.77	
For Control Power Transformer On Fans And Auxiliary, Add	375.76	
For Internal Mounted Current Transformer And Linear Coupler, Add	125.25	
26 11 16 00-0027 EA 150 KVA, Substation, Secondary 208 Y / 120 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof.....	16,016.45	837.26
For Forced Air Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add	1,003.94	
For Control Power Transformer On Fans And Auxiliary, Add	430.26	
For Internal Mounted Current Transformer And Linear Coupler, Add	143.42	
26 11 16 00-0028 EA 225 KVA, Substation, Secondary 208 Y / 120 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof.....	18,706.67	889.58
For Forced Air Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add	1,184.93	
For Control Power Transformer On Fans And Auxiliary, Add	507.83	
For Internal Mounted Current Transformer And Linear Coupler, Add	169.28	
26 11 16 00-0029 EA 300 KVA, Substation, Secondary 208 Y / 120 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof.....	22,217.06	941.90
For Forced Air Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add	1,423.33	
For Control Power Transformer On Fans And Auxiliary, Add	610.00	
For Internal Mounted Current Transformer And Linear Coupler, Add	203.33	
26 11 16 00-0030 EA 500 KVA, Substation, Secondary 208 Y / 120 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof.....	23,764.23	994.24
For Forced Air Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add	1,524.30	
For Control Power Transformer On Fans And Auxiliary, Add	653.27	
For Internal Mounted Current Transformer And Linear Coupler, Add	217.76	
26 11 16 00-0031 EA 750 KVA, Substation, Secondary 208 Y / 120 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof.....	26,049.13	1,046.56
For Forced Air Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add	1,676.92	
For Control Power Transformer On Fans And Auxiliary, Add	718.68	
For Internal Mounted Current Transformer And Linear Coupler, Add	239.56	
26 11 16 00-0032 EA 1,000 KVA, Substation, Secondary 208 Y / 120 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof.....	28,448.63	1,177.39
For Forced Air Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add	1,826.57	
For Control Power Transformer On Fans And Auxiliary, Add	782.82	
For Internal Mounted Current Transformer And Linear Coupler, Add	260.94	
26 11 16 00-0033 EA 1,500 KVA, Substation, Secondary 208 Y / 120 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof.....	32,002.34	1,255.88
For Forced Air Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add	2,064.34	
For Control Power Transformer On Fans And Auxiliary, Add	884.72	
For Internal Mounted Current Transformer And Linear Coupler, Add	294.91	
26 11 16 00-0034 Accessories For Oil Filled Substation Transformers (26 11 16 00-0011)		
26 11 16 00-0035 EA Sudden Pressure Relay.....	2,569.52	
26 11 16 00-0036 EA Throats Or Flanges (HV Or LV).....	5,101.36	
26 11 16 00-0037 EA Lightning Arrestors (3 - 1 Pole).....	3,359.05	
26 11 16 00-0038 EA Single Feeder Switch With Fuses 3 Pole, 2 Position, Open-Close Close) Fuse Type - CLE (80E To 125 X).....	18,641.04	
26 11 16 00-0039 EA Oil Fuse Cutout, 15 KV, 200 Amp, Free Standing Air Filled Terminal Compartment, 15 KV - 200 Amp Cutout.....	17,440.55	
26 11 16 00-0040 Reinforced Concrete Curb With 6" Slab (26 11 16 00-0011)		
Note: For transformer liquid containment area.		
26 11 16 00-0041 EA 112.5 KVA, Reinforced Curb With 6" Slab, Transformer Liquid Containment Area.....	3,383.62	1,036.38
26 11 16 00-0042 EA 150 KVA, Reinforced Curb With 6" Slab, Transformer Liquid Containment Area.....	3,383.62	1,036.38
26 11 16 00-0043 EA 225 KVA, Reinforced Curb With 6" Slab, Transformer Liquid Containment Area.....	3,383.62	1,036.38
26 11 16 00-0044 EA 300 KVA, Reinforced Curb With 6" Slab, Transformer Liquid Containment Area.....	3,383.62	1,036.38
26 11 16 00-0045 EA 500 KVA, Reinforced Curb With 6" Slab, Transformer Liquid Containment Area.....	3,383.62	1,036.38
26 11 16 00-0046 EA 750 KVA, Reinforced Curb With 6" Slab, Transformer Liquid Containment Area.....	3,383.62	1,036.38
26 11 16 00-0047 EA 1,000 KVA, Reinforced Curb With 6" Slab, Transformer Liquid Containment Area.....	3,383.62	1,036.38
26 11 16 00-0048 EA 1,500 KVA, Reinforced Curb With 6" Slab, Transformer Liquid.....	3,930.79	1,194.96
26 11 16 00-0049 Dry Type Substation Transformer (26 11 16)		
Note: Standard NEMA design 3 phase - 150 C rise - 60 Hz self-cooled, ventilated.		
26 11 16 00-0050 Primary 4.16 Or 4.8 KV Secondary 208 Y/120 Or 240 V (26 11 16 00-0049)		
Note: Primary 4.16 or 4.8 KV (delta or wye).		
26 11 16 00-0051 EA 112.5 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer.....	16,977.19	837.26
For Gas Filled Transformers, Add	9,181.61	
For Single Phase Transformers, Deduct	-382.57	
For Dry Type Unit, Add	3,534.04	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 11 16 00-0052 EA 150 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer <i>For Gas Filled Transformers, Add</i> <i>For Single Phase Transformers, Deduct</i> <i>For Dry Type Unit, Add</i>	17,081.85 9,181.61 -382.57 3,544.51	889.58
26 11 16 00-0053 EA 225 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer <i>For Gas Filled Transformers, Add</i> <i>For Single Phase Transformers, Deduct</i> <i>For Dry Type Unit, Add</i>	17,595.15 9,301.21 -387.55 3,619.76	1,046.56
26 11 16 00-0054 EA 300 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer <i>For Gas Filled Transformers, Add</i> <i>For Single Phase Transformers, Deduct</i> <i>For Dry Type Unit, Add</i>	19,416.35 10,268.34 -427.85 3,995.30	1,151.22
26 11 16 00-0055 EA 500 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer <i>For Gas Filled Transformers, Add</i> <i>For Single Phase Transformers, Deduct</i> <i>For Dry Type Unit, Add</i>	21,636.77 11,349.41 -472.89 4,433.56	1,360.53
26 11 16 00-0056 EA 750 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer <i>For Gas Filled Transformers, Add</i> <i>For Single Phase Transformers, Deduct</i> <i>For Dry Type Unit, Add</i>	25,061.00 13,152.78 -548.03 5,136.66	1,569.85
26 11 16 00-0057 EA 1,000 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer <i>For Gas Filled Transformers, Add</i> <i>For Single Phase Transformers, Deduct</i> <i>For Dry Type Unit, Add</i>	29,160.69 15,235.83 -634.83 5,963.24	1,883.82
26 11 16 00-0058 EA 1,500 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer <i>For Gas Filled Transformers, Add</i> <i>For Single Phase Transformers, Deduct</i> <i>For Dry Type Unit, Add</i>	34,328.64 18,085.42 -753.56 7,049.95	2,093.13
26 11 16 00-0059 EA 2,000 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer <i>For Gas Filled Transformers, Add</i> <i>For Single Phase Transformers, Deduct</i> <i>For Dry Type Unit, Add</i>	43,947.15 23,730.94 -988.79 9,140.90	2,197.79
26 11 16 00-0060 Primary 4.16 Or 4.8 KV Secondary 480 Y/277 Or 480 V <small>(26 11 16 00-0049)</small> Note: Primary 4.16 or 4.8 KV (delta or wye).		
26 11 16 00-0061 EA 112.5 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer <i>For Gas Filled Transformers, Add</i> <i>For Single Phase Transformers, Deduct</i> <i>For Dry Type Unit, Add</i>	16,434.14 8,855.78 -368.99 3,414.57	837.26
26 11 16 00-0062 EA 150 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer <i>For Gas Filled Transformers, Add</i> <i>For Single Phase Transformers, Deduct</i> <i>For Dry Type Unit, Add</i>	17,081.85 9,181.61 -382.57 3,544.51	889.58
26 11 16 00-0063 EA 225 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer <i>For Gas Filled Transformers, Add</i> <i>For Single Phase Transformers, Deduct</i> <i>For Dry Type Unit, Add</i>	17,595.15 9,301.21 -387.55 3,619.76	1,046.56
26 11 16 00-0064 EA 300 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer <i>For Gas Filled Transformers, Add</i> <i>For Single Phase Transformers, Deduct</i> <i>For Dry Type Unit, Add</i>	19,416.35 10,268.34 -427.85 3,995.30	1,151.22
26 11 16 00-0065 EA 500 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer <i>For Gas Filled Transformers, Add</i> <i>For Single Phase Transformers, Deduct</i> <i>For Dry Type Unit, Add</i>	21,636.77 11,349.41 -472.89 4,433.56	1,360.53
26 11 16 00-0066 EA 750 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer <i>For Gas Filled Transformers, Add</i> <i>For Single Phase Transformers, Deduct</i> <i>For Dry Type Unit, Add</i>	25,061.00 13,152.78 -548.03 5,136.66	1,569.85
26 11 16 00-0067 EA 1,000 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer <i>For Gas Filled Transformers, Add</i> <i>For Single Phase Transformers, Deduct</i> <i>For Dry Type Unit, Add</i>	29,160.69 15,235.83 -634.83 5,963.24	1,883.82
26 11 16 00-0068 EA 1,500 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer <i>For Gas Filled Transformers, Add</i> <i>For Single Phase Transformers, Deduct</i> <i>For Dry Type Unit, Add</i>	34,328.64 18,085.42 -753.56 7,049.95	2,093.13
26 11 16 00-0069 EA 2,000 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer <i>For Gas Filled Transformers, Add</i> <i>For Single Phase Transformers, Deduct</i> <i>For Dry Type Unit, Add</i>	43,947.15 23,730.94 -988.79 9,140.90	2,197.79
26 11 16 00-0070 EA 2,500 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer <i>For Gas Filled Transformers, Add</i> <i>For Single Phase Transformers, Deduct</i> <i>For Dry Type Unit, Add</i>	48,121.04 26,109.68 -1,087.90 10,034.04	2,302.45
26 11 16 00-0071 EA 3,000 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer <i>For Gas Filled Transformers, Add</i> <i>For Single Phase Transformers, Deduct</i> <i>For Dry Type Unit, Add</i>	53,536.39 29,233.31 -1,218.05 11,200.30	2,407.11
26 11 16 00-0072 EA 3,750 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer <i>For Gas Filled Transformers, Add</i> <i>For Single Phase Transformers, Deduct</i> <i>For Dry Type Unit, Add</i>	61,430.01 33,843.90 -1,410.16 12,911.78	2,511.76

26	Electrical
26 10	Medium-Voltage Electrical Distribution
26 11	Substations



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 11 16 00-0073 Primary 13.8 KV (Delta Or Wye) Secondary 208 Y/120 V Or 240 V <small>(26 11 16 00-0049)</small>		
26 11 16 00-0074 EA 112.5 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 13.8 KV, Dry Transformer	18,310.28	941.90
For Gas Filled Transformers, Add	9,855.88	
For Single Phase Transformers, Deduct	-410.66	
For Dry Type Unit, Add	3,802.20	
26 11 16 00-0075 EA 150 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 13.8 KV, Dry Transformer	18,954.85	994.24
For Gas Filled Transformers, Add	10,179.82	
For Single Phase Transformers, Deduct	-424.16	
For Dry Type Unit, Add	3,931.45	
26 11 16 00-0076 EA 225 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 13.8 KV, Dry Transformer	20,375.32	1,151.22
For Gas Filled Transformers, Add	10,843.72	
For Single Phase Transformers, Deduct	-451.82	
For Dry Type Unit, Add	4,206.28	
26 11 16 00-0077 EA 300 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 13.8 KV, Dry Transformer	21,557.72	1,255.88
For Gas Filled Transformers, Add	11,427.58	
For Single Phase Transformers, Deduct	-476.15	
For Dry Type Unit, Add	4,441.29	
26 11 16 00-0078 EA 500 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 13.8 KV, Dry Transformer	24,619.39	1,465.19
For Gas Filled Transformers, Add	13,013.41	
For Single Phase Transformers, Deduct	-542.23	
For Dry Type Unit, Add	5,064.62	
26 11 16 00-0079 EA 750 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 13.8 KV, Dry Transformer	27,340.49	1,674.50
For Gas Filled Transformers, Add	14,394.89	
For Single Phase Transformers, Deduct	-599.79	
For Dry Type Unit, Add	5,613.03	
26 11 16 00-0080 EA 1,000 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 13.8 KV, Dry Transformer	31,962.82	1,988.48
For Gas Filled Transformers, Add	16,791.52	
For Single Phase Transformers, Deduct	-699.65	
For Dry Type Unit, Add	6,554.59	
26 11 16 00-0081 EA 1,500 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 13.8 KV, Dry Transformer	38,494.68	2,197.79
For Gas Filled Transformers, Add	20,459.46	
For Single Phase Transformers, Deduct	-852.48	
For Dry Type Unit, Add	7,941.36	
26 11 16 00-0082 EA 2,000 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 13.8 KV, Dry Transformer	46,130.91	2,302.45
For Gas Filled Transformers, Add	24,915.61	
For Single Phase Transformers, Deduct	-1,038.15	
For Dry Type Unit, Add	9,596.21	
26 11 16 00-0083 Primary 13.8 KV (Delta Or Wye) Secondary 480 Y/277 V Or 480 V <small>(26 11 16 00-0049)</small>		
26 11 16 00-0084 EA 112.5 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 13.8 KV, Dry Transformer	18,310.28	941.90
For Gas Filled Transformers, Add	9,855.88	
For Single Phase Transformers, Deduct	-410.66	
For Dry Type Unit, Add	3,802.20	
26 11 16 00-0085 EA 150 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 13.8 KV, Dry Transformer	18,954.85	994.24
For Gas Filled Transformers, Add	10,179.82	
For Single Phase Transformers, Deduct	-424.16	
For Dry Type Unit, Add	3,931.45	
26 11 16 00-0086 EA 225 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 13.8 KV, Dry Transformer	20,375.32	1,151.22
For Gas Filled Transformers, Add	10,843.72	
For Single Phase Transformers, Deduct	-451.82	
For Dry Type Unit, Add	4,206.28	
26 11 16 00-0087 EA 300 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 13.8 KV, Dry Transformer	21,557.72	1,255.88
For Gas Filled Transformers, Add	11,427.58	
For Single Phase Transformers, Deduct	-476.15	
For Dry Type Unit, Add	4,441.29	
26 11 16 00-0088 EA 500 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 13.8 KV, Dry Transformer	24,619.39	1,465.19
For Gas Filled Transformers, Add	13,013.41	
For Single Phase Transformers, Deduct	-542.23	
For Dry Type Unit, Add	5,064.62	
26 11 16 00-0089 EA 750 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 13.8 KV, Dry Transformer	24,201.47	1,674.50
For Gas Filled Transformers, Add	12,511.48	
For Single Phase Transformers, Deduct	-521.31	
For Dry Type Unit, Add	4,922.44	
26 11 16 00-0090 EA 1,000 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 13.8 KV, Dry Transformer	25,514.07	1,988.48
For Gas Filled Transformers, Add	12,922.27	
For Single Phase Transformers, Deduct	-538.43	
For Dry Type Unit, Add	5,135.86	
26 11 16 00-0091 EA 1,500 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 13.8 KV, Dry Transformer	31,106.26	2,197.79
For Gas Filled Transformers, Add	16,026.41	
For Single Phase Transformers, Deduct	-667.77	
For Dry Type Unit, Add	6,315.91	
26 11 16 00-0092 EA 2,000 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 13.8 KV, Dry Transformer	36,554.53	2,302.45
For Gas Filled Transformers, Add	19,169.78	
For Single Phase Transformers, Deduct	-798.74	
For Dry Type Unit, Add	7,489.41	
26 11 16 00-0093 EA 2,500 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 13.8 KV, Dry Transformer	40,680.33	2,407.11
For Gas Filled Transformers, Add	21,519.68	
For Single Phase Transformers, Deduct	-896.65	
For Dry Type Unit, Add	8,371.97	
26 11 16 00-0094 EA 3,000 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 13.8 KV, Dry Transformer	47,414.72	2,511.76
For Gas Filled Transformers, Add	25,434.73	
For Single Phase Transformers, Deduct	-1,059.78	
For Dry Type Unit, Add	9,828.42	



		Electrical	26
		Medium-Voltage Electrical Distribution	26 10
		Substations	26 11

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 11 16 00-0095 EA 3,750 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 13.8 KV, Dry Transformer <i>For Gas Filled Transformers, Add</i> <i>For Single Phase Transformers, Deduct</i> <i>For Dry Type Unit, Add</i>	57,636.91 31,442.45 -1,310.10 12,052.18	2,616.42
26 11 16 00-0096 Substation Secondary Distribution Section <small>(26 11 16)</small> Note: Low voltage drawout switchgear 277/480 volt, 3 phase 4 wire.		
26 11 16 00-0097 Switchgear Compartment Complete With Air Circuit Breaker <small>(26 11 16 00-0096)</small> Note: With solid state long - time and instantaneous trips.		
26 11 16 00-0098 EA 800 Amp, 277/480 Volt Switchgear, With Air Circuit Breaker, Manual DS-206.....	7,840.65	890.97
26 11 16 00-0099 EA 1,600 Amp, 277/480 Volt Switchgear, With Air Circuit Breaker, Manual DS-416.....	12,675.44	1,347.06
26 11 16 00-0100 EA 2,000 Amp, 277/480 Volt Switchgear, With Air Circuit Breaker, Manual DS-420.....	17,185.77	1,654.65
26 11 16 00-0101 EA 3,200 Amp, 277/480 Volt Switchgear, With Air Circuit Breaker, Manual DS-632.....	27,831.78	1,919.83
26 11 16 00-0102 EA 4,000 Amp, 277/480 Volt Switchgear, With Air Circuit Breaker, Manual DS-840.....	35,570.15	2,185.00
26 11 16 00-0103 Switchgear Compartment Without Circuit Breaker <small>(26 11 16 00-0096)</small>		
26 11 16 00-0104 EA 800 Amp, 277/480 Volt Switchgear, Without Air Circuit Breaker, Secondary Distribution Section.....	3,483.62	270.48
26 11 16 00-0105 EA 1,600 Amp, 277/480 Volt Switchgear, Without Air Circuit Breaker, Secondary Distribution Section.....	4,024.94	270.48
26 11 16 00-0106 EA 2,000 Amp, 277/480 Volt Switchgear, Without Air Circuit Breaker, Secondary Distribution Section.....	5,263.46	397.75
26 11 16 00-0107 EA 3,200 Amp, 277/480 Volt Switchgear, Without Air Circuit Breaker, Secondary Distribution Section.....	7,405.03	397.75
26 11 16 00-0108 EA 4,000 Amp, 277/480 Volt Switchgear, Without Air Circuit Breaker, Secondary Distribution Section.....	12,246.41	583.37
26 11 16 00-0109 Switchgear Compartment, Blank, Use As Filler Or Metering <small>(26 11 16 00-0096)</small> Note: No provisions for future breaker.		
26 11 16 00-0110 EA 600 Thru 2,000 Amp, Blank Section Filler, Secondary Distribution Section..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,354.42 172.85	302.30
26 11 16 00-0111 EA 3,000 Amp, Blank Section Filler, Secondary Distribution Section..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,927.05 202.91	302.30
26 11 16 00-0112 EA 4,000 Amp, Blank Section Filler, Secondary Distribution Section..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3,858.61 291.69	466.70
26 11 16 00-0113 Accessories For Substation Secondary Distribution <small>(26 11 16 00-0096)</small>		
26 11 16 00-0114 EA Short Time Delay Accessories, Secondary Distribution Section..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,228.75 56.92	
26 11 16 00-0115 EA Key Interlock Accessories, Secondary Distribution Section..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	979.20 56.92	
26 11 16 00-0116 EA Ammeter And Switch Complete Accessories, Secondary Distribution Section..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,876.76 56.92	94.85
26 11 16 00-0117 EA Voltmeter And Switch Complete Accessories, Secondary Distribution Section..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,876.76 56.92	94.85
26 11 16 00-0118 EA Wattmeter - Complete Accessories, Secondary Distribution Section..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3,771.40 56.92	94.85
26 11 16 00-0119 EA Watt-hour Meter - Complete Accessories, Secondary Distribution Section..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4,854.37 56.92	94.85
26 11 16 00-0120 EA Circuit Breaker Lifting Device Accessories, Secondary Distribution Section..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,176.52 64.85	108.11
26 11 16 00-0121 EA Weatherproofing, Per Vertical Section Accessories, Secondary Distribution Section..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8,027.19 960.73	1,601.21
26 11 16 00-0122 EA Current Transformer, Single Section 5 To 800 Single Secondary 5 To 800.....	1,360.59	94.85
26 11 16 00-0123 EA Potential Transformers Each With Fuses Accessories, Secondary Distribution Section.....	1,579.80	94.85
26 11 16 00-0124 EA Shunt Trip And Auxiliary Switch Accessories, Secondary Distribution Section..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	840.38 28.46	47.43
26 11 16 00-0125 EA 3 Current Limiting Fuses 15 KV Accessories, Secondary Distribution Section..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6,070.76 56.92	94.85
26 11 16 00-0126 EA 3 Phase Surge Capacitors 15 KV Accessories, Secondary Distribution Section.....	802.71	47.43
26 12 Medium-Voltage Transformers <small>(26 10)</small>		
26 12 13 Liquid-Filled, Medium-Voltage Transformers <small>(26 12)</small>		
26 12 13 00-0001 Removal And Relocation Of Transformers <small>(26 12 13)</small>		
26 12 13 00-0002 EA Removal And Relocation Of Up To 37.5 KVA Oil Filled Transformer.....	1,047.24	
26 12 13 00-0003 EA Removal And Relocation Of >37.5 To 100 KVA Oil Filled Transformers.....	1,927.22	
26 12 13 00-0004 Single Phase Oil Filled Distribution Transformers <small>(26 12 13)</small> Note: Self-protected type, CSP, external secondary breaker handle, external tap changer.		
26 12 13 00-0005 Primary 4.16/4.8 KV Ground Y Secondary 120/240 Volt, 4-2.5 Percent Taps FCBN, Class A, 95 KV BIL. Rated To 5 KVA <small>(26 12 13 00-0004)</small>		
26 12 13 00-0006 EA 10 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 1 Phase.....	1,546.23	423.81
26 12 13 00-0007 EA 15 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 1 Phase.....	1,889.22	529.77
26 12 13 00-0008 EA 25 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 1 Phase.....	2,227.07	635.72
26 12 13 00-0009 EA 37.5 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 1 Phase.....	2,839.90	794.65
26 12 13 00-0010 EA 50 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 1 Phase.....	3,386.49	953.58
26 12 13 00-0011 EA 75 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 1 Phase.....	4,360.13	1,112.51
26 12 13 00-0012 EA 100 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 1 Phase.....	5,178.35	1,324.42



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 12 13 00-0013	Primary 4.16/4.8 KV Ground Y Secondary 120/240 Volt, 2-2.5 Percent Taps FCAN And FCBN. Rated To 5 KVA <small>(26 12 13 00-0004)</small>	
26 12 13 00-0014 EA	10 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase	1,546.23 423.81
26 12 13 00-0015 EA	15 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase	1,908.41 529.77
26 12 13 00-0016 EA	25 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase	2,227.07 635.72
26 12 13 00-0017 EA	37.5 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase	2,839.90 794.65
26 12 13 00-0018 EA	50 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase	3,386.49 953.58
26 12 13 00-0019 EA	75 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase	4,162.95 1,112.51
26 12 13 00-0020 EA	100 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase	5,078.22 1,324.42
26 12 13 00-0021	Primary 13.8/14.4 KV Ground Y Secondary 120/240V 2-2.5 Percent Taps FCBN And FCAN <small>(26 12 13 00-0004)</small>	
26 12 13 00-0022 EA	10 KVA Transformer Primary 13.8 / 14.4 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase	1,523.85 423.81
26 12 13 00-0023 EA	15 KVA Transformer Primary 13.8 / 14.4 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase	1,828.47 529.77
26 12 13 00-0024 EA	25 KVA Transformer Primary 13.8 / 14.4 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase	2,166.99 635.72
26 12 13 00-0025 EA	37.5 KVA Transformer Primary 13.8 / 14.4 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase	2,826.04 794.65
26 12 13 00-0026 EA	50 KVA Transformer Primary 13.8 / 14.4 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase	3,327.95 953.58
26 12 13 00-0027 EA	75 KVA Transformer Primary 13.8 / 14.4 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase	4,199.92 1,112.51
26 12 13 00-0028 EA	100 KVA Transformer Primary 13.8 / 14.4 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase	5,087.46 1,324.42
26 12 13 00-0029	Primary 13.8/14.4 KV Ground Y Secondary 240/480 Volt, 2-2.5 Percent Taps FCBN And FCAN <small>(26 12 13 00-0004)</small>	
26 12 13 00-0030 EA	10 KVA Transformer Primary 13.8 / 14.4 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase	1,627.77 423.81
26 12 13 00-0031 EA	15 KVA Transformer Primary 13.8 / 14.4 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase	1,935.58 529.77
26 12 13 00-0032 EA	25 KVA Transformer Primary 13.8 / 14.4 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase	2,447.60 635.72
26 12 13 00-0033 EA	37.5 KVA Transformer Primary 13.8 / 14.4 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase	3,075.83 794.65
26 12 13 00-0034 EA	50 KVA Transformer Primary 13.8 / 14.4 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase	3,607.97 953.58
26 12 13 00-0035 EA	75 KVA Transformer Primary 13.8 / 14.4 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase	4,614.05 1,112.51
26 12 13 00-0036 EA	100 KVA Transformer Primary 13.8 / 14.4 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase	5,756.01 1,324.42
26 12 13 00-0037	Transformer Platforms <small>(26 12 13 00-0004)</small>	
26 12 13 00-0038 EA	Transformer Platforms, 75 - 167 KVA	3,254.81 715.72
26 12 13 00-0039	Primary 24.9 KV, Ground Y Secondary 240/480 Volt, 2-2.5 Percent Tops FCBN Auto FCAN <small>(26 12 13 00-0004)</small>	
26 12 13 00-0040 EA	10 KVA Transformer Primary 24.9 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase	2,570.14 847.63
26 12 13 00-0041 EA	15 KVA Transformer Primary 24.9 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase	2,869.69 953.58
26 12 13 00-0042 EA	25 KVA Transformer Primary 24.9 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase	3,296.25 1,059.53
26 12 13 00-0043 EA	37.5 KVA Transformer Primary 24.9 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase	4,451.97 1,483.34
26 12 13 00-0044 EA	50 KVA Transformer Primary 24.9 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase	5,090.11 1,695.25
26 12 13 00-0045 EA	75 KVA Transformer Primary 24.9 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase	6,630.27 2,119.07
26 12 13 00-0046 EA	100 KVA Transformer Primary 24.9 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase	7,777.66 2,330.97
26 12 13 00-0047 EA	167 KVA Transformer Primary 24.9 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase	10,116.01 2,966.69
26 12 13 00-0048 EA	250 KVA Transformer Primary 24.9 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase	12,058.69 3,390.51
26 12 13 00-0049 EA	333 KVA Transformer Primary 24.9 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase	14,710.96 4,238.13
26 12 13 00-0050 EA	500 KVA Transformer Primary 24.9 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase	18,690.26 5,297.66
26 12 13 00-0051	Primary 4.8 KV Ground Y Secondary 120/240V 4-2.5 Percent Taps FCBN, Class A, 95 KV BIL <small>(26 12 13 00-0004)</small>	
26 12 13 00-0052 EA	10 KVA Transformer Primary 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 1 Phase	1,546.23 518.96
26 12 13 00-0053 EA	15 KVA Transformer Primary 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 1 Phase	1,889.22 648.65
26 12 13 00-0054 EA	25 KVA Transformer Primary 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 1 Phase	2,226.64 777.60
26 12 13 00-0055 EA	37.5 KVA Transformer Primary 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 1 Phase	2,840.92 974.45
26 12 13 00-0056 EA	50 KVA Transformer Primary 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 1 Phase	3,385.51 1,167.28
26 12 13 00-0057 EA	75 KVA Transformer Primary 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 1 Phase	4,358.79 1,359.49
26 12 13 00-0058 EA	100 KVA Transformer Primary 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 1 Phase	5,178.35 1,621.72
26 12 13 00-0059	Primary 4.8 KV Ground Y Secondary 120/240V 2-2.5 Percent Taps FCAN And FCBN <small>(26 12 13 00-0004)</small>	
26 12 13 00-0060 EA	10 KVA Transformer Primary 4.8 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase	1,546.23 518.96
26 12 13 00-0061 EA	15 KVA Transformer Primary 4.8 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase	1,908.41 648.65
26 12 13 00-0062 EA	25 KVA Transformer Primary 4.8 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase	2,226.64 777.60
26 12 13 00-0063 EA	37.5 KVA Transformer Primary 4.8 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase	2,840.92 974.45
26 12 13 00-0064 EA	50 KVA Transformer Primary 4.8 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase	3,385.51 1,167.28
26 12 13 00-0065 EA	75 KVA Transformer Primary 4.8 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase	4,161.61 1,359.49
26 12 13 00-0066 EA	100 KVA Transformer Primary 4.8 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase	5,078.22 1,621.72
26 12 13 00-0067	Primary 7.2 To 14.4 KV Ground Y <small>(26 12 13 00-0004)</small>	



	Electrical	26
	Medium-Voltage Electrical Distribution	26 10
	Medium-Voltage Transformers	26 12

26

		TOTAL DIRECT	DEMOLITION
		UNIT COST	UNIT COST
MINOR	CSI UOM DESCRIPTION		
26 12 13 00-0068	Primary 7.2 To 14.4 KV Ground Y Secondary 120 / 240 V 2-2.5 Percent Taps FCBN And FCAN <small>(26 12 13 00-0067)</small>		
26 12 13 00-0069	EA 10 KVA Transformer Primary 7.2 - 14.4 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase.....	1,378.09	423.81
26 12 13 00-0070	EA 15 KVA Transformer Primary 7.2 - 14.4 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase.....	1,683.00	529.77
26 12 13 00-0071	EA 25 KVA Transformer Primary 7.2 - 14.4 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase.....	1,982.11	635.72
26 12 13 00-0072	EA 37.5 KVA Transformer Primary 7.2 - 14.4 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase.....	2,536.22	794.65
26 12 13 00-0073	EA 50 KVA Transformer Primary 7.2 - 14.4 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase.....	3,105.60	953.58
26 12 13 00-0074	EA 75 KVA Transformer Primary 7.2 - 14.4 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase.....	4,255.20	1,112.51
26 12 13 00-0075	EA 100 KVA Transformer Primary 7.2 - 14.4 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase.....	4,974.13	1,324.42
26 12 13 00-0076	Primary 7.2 To 14.4 KV Ground Y Secondary 240 / 480 V 2-2.5 Pct Taps FCBN And FCAN <small>(26 12 13 00-0067)</small>		
26 12 13 00-0077	EA 10 KVA Transformer Primary 7.2 - 14.4 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase.....	1,327.22	423.81
26 12 13 00-0078	EA 15 KVA Transformer Primary 7.2 - 14.4 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase.....	1,619.05	529.77
26 12 13 00-0079	EA 25 KVA Transformer Primary 7.2 - 14.4 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase.....	1,953.04	635.72
26 12 13 00-0080	EA 37.5 KVA Transformer Primary 7.2 - 14.4 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase.....	2,478.09	794.65
26 12 13 00-0081	EA 50 KVA Transformer Primary 7.2 - 14.4 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase.....	3,025.67	953.58
26 12 13 00-0082	EA 75 KVA Transformer Primary 7.2 - 14.4 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase.....	3,964.54	1,112.51
26 12 13 00-0083	EA 100 KVA Transformer Primary 7.2 - 14.4 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase.....	4,683.47	1,324.42
26 12 13 00-0084	3 Phase Oil Filled Distribution Transformers <small>(26 12 13)</small>		
26 12 13 00-0085	Primary 4.16/4.8 KV Ground Y Secondary 120/240 V <small>(26 12 13 00-0084)</small> Note: 4-2.5 Percent taps FCBN, Class A, 95 KV BIL.		
26 12 13 00-0086	EA 112.5 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 3 Phase.....	7,222.84	2,330.97
26 12 13 00-0087	EA 150 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 3 Phase.....	9,224.24	2,966.69
26 12 13 00-0088	EA 225 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 3 Phase.....	10,772.99	3,178.60
26 12 13 00-0089	EA 300 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 3 Phase.....	13,739.30	3,973.26
26 12 13 00-0090	EA 500 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 3 Phase.....	19,378.53	5,297.66
26 12 13 00-0091	EA 750 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 3 Phase.....	25,812.92	6,092.31
26 12 16	Dry-Type, Medium-Voltage Transformers <small>(26 12)</small>		
26 12 16 00-0001	Removal and Relocation of Transformers <small>(26 12 16)</small>		
26 12 16 00-0002	EA Removal And Relocation Of Up To 37.5 KVA "Dry Type" Transformer	434.32	
26 12 16 00-0003	EA Removal And Relocation Of >37.5 To 112.5 KVA "Dry Type" Transformer.....	1,930.33	
26 12 19	Pad-Mounted, Liquid-Filled, Medium-Voltage Transformers <small>(26 12)</small>		
26 12 19 00-0001	Single Phase Pad Mounted Distribution Transformers <small>(26 12 19)</small> Note: Designed for residential and multi-family buildings. UL listed.		
26 12 19 00-0002	Mini Pak - Single Phase KVA 25 Thru 167 - 95 KV BIL.- Oil Filled <small>(26 12 19 00-0001)</small> Note: Self actuating pressure relief device, taps, 4-1/2 % below or 2-1/2 % above and below. Designed for loop feed grounded wye distribution system.		
26 12 19 00-0003	Primary, 4.16/4.8 KV Ground Y Or Delta <small>(26 12 19 00-0002)</small> Note: 2.4 To 24.94 KV ground Y / 14.4 KV secondary - 240/120 Volt, 480/240 Volt, 277 V. Rated to 5 KVA.		
26 12 19 00-0004	EA 25 KVA, Primary 4.16 / 4.8 KV Ground Y / 2.4 - 24.94 KV Ground Y / 14.4 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt.....	2,763.84	523.29
26 12 19 00-0005	EA 37.5 KVA, Primary 4.16 / 4.8 KV Ground Y / 2.4 - 24.94 KV Ground Y / 14.4 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt.....	3,112.34	523.29
26 12 19 00-0006	EA 50 KVA, Primary 4.16 / 4.8 KV Ground Y / 2.4 - 24.94 KV Ground Y / 14.4 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt.....	3,705.03	716.90
26 12 19 00-0007	EA 75 KVA, Primary 4.16 / 4.8 KV Ground Y / 2.4 - 24.94 KV Ground Y / 14.4 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt.....	4,461.69	716.90
26 12 19 00-0008	EA 100 KVA, Primary 4.16 / 4.8 KV Ground Y / 2.4 - 24.94 KV Ground Y / 14.4 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt.....	5,034.81	941.90
26 12 19 00-0009	EA 167 KVA, Primary 4.16 / 4.8 KV Ground Y / 2.4 - 24.94 KV Ground Y / 14.4 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt.....	6,488.55	941.90
26 12 19 00-0010	Factory Modifications Material Cost Only <small>(26 12 19 00-0002)</small>		
26 12 19 00-0011	EA Loadbreaker Current Limiting Fuse Factory Modifications.....	433.22	
26 12 19 00-0012	EA Loadbreaker Oil Switch, 2 Position Factory Modifications	455.20	
26 12 19 00-0013	EA Loadbreaker Inserts, Factory Modifications.....	500.72	
26 12 19 00-0014	Distribution - Single Phase Multiple Building Transformer <small>(26 12 19 00-0001)</small> Note: KVA 25 to 250, KVA BIL-95, 125, 150 standard features. Oil filled, self-actuating pressure relief device, lighting arrester mounted. Pad HV/LV barrier, etc. with taps 4-1/2 % below or 2-1/2 % above and below.		
26 12 19 00-0015	Primary, 4.16/4.8 KVA Ground Y Or Delta <small>(26 12 19 00-0014)</small> Note: 2.4 To 34.5 KV ground Y / 19.9 KV secondary - 240/120 V, 120/240 V, 240/480 V, 480/240 V, 277V. Rated to 5 KVA.		
26 12 19 00-0016	EA 25 KVA, Primary 4.16 / 4.8 KV Ground Y / 2.4 - 24.94 KV Ground Y / 14.4 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt.....	3,299.62	523.29
26 12 19 00-0017	EA 37.5 KVA, Primary 4.16 / 4.8 KV Ground Y / 2.4 - 24.94 KV Ground Y / 14.4 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt.....	3,798.44	523.29

26 Electrical**26 10 Medium-Voltage Electrical Distribution****26 12 Medium-Voltage Transformers**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 12 19 00-0018	EA		50 KVA, Primary 4.16 / 4.8 KV Ground Y / 2.4 - 24.94 KV Ground Y / 14.4 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt	4,168.08	716.90
26 12 19 00-0019	EA		75 KVA, Primary 4.16 / 4.8 KV Ground Y / 2.4 - 24.94 KV Ground Y / 14.4 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt	5,062.86	716.90
26 12 19 00-0020	EA		100 KVA, Primary 4.16 / 4.8 KV Ground Y / 2.4 - 24.94 KV Ground Y / 14.4 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt	5,659.54	941.90
26 12 19 00-0021	EA		167 KVA, Primary 4.16 / 4.8 KV Ground Y / 2.4 - 24.94 KV Ground Y / 14.4 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt	6,858.99	941.90
26 12 19 00-0022	EA		250 KVA, Primary 4.16 / 4.8 KV Ground Y / 2.4 - 24.94 KV Ground Y / 14.4 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt	10,459.00	1,308.21
26 12 19 00-0023			Factory Modifications Material Cost Only <small>(26 12 19 00-0014)</small>		
26 12 19 00-0024	EA		Loadbreaker Current Limiting Fuse Factory Modifications	577.63	
26 12 19 00-0025	EA		Lightning Arrestors, Factory Modifications	146.36	
26 12 19 00-0026	EA		Loadbreaker Oil Switch, 2 Position Factory Modifications	455.20	
26 12 19 00-0027	EA		Loop Feed Air Switch, Factory Modifications	740.87	
26 12 19 00-0028	EA		Loadbreaker Inserts (Two), Factory Modifications	197.78	
26 12 19 00-0029	EA		Bay-O-Net Fuse 25 Thru 167 KVA Factory Modifications	171.09	
26 12 19 00-0030			Primary, 12.47 KV Ground Y Or Delta <small>(26 12 19 00-0014)</small> Note: 7.2 To 34.5 KV ground Y / 19.9 KV secondary - 240/120 V, 120/240 V, 240/480 V, 480/240 V, 277V. Rated to 5 KVA.		
26 12 19 00-0031	EA		25 KVA, Primary 12.47 KV Ground Y / 7.2 - 34.5 KV Ground Y / 19.9 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt	3,512.51	523.29
26 12 19 00-0032	EA		37.5 KVA, Primary 12.47 KV Ground Y / 7.2 - 34.5 KV Ground Y / 19.9 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt	3,868.98	523.29
26 12 19 00-0033	EA		50 KVA, Primary 12.47 KV Ground Y / 7.2 - 34.5 KV Ground Y / 19.9 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt	4,140.23	716.90
26 12 19 00-0034	EA		75 KVA, Primary 12.47 KV Ground Y / 7.2 - 34.5 KV Ground Y / 19.9 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt	4,892.03	716.90
26 12 19 00-0035	EA		100 KVA, Primary 12.47 KV Ground Y / 7.2 - 34.5 KV Ground Y / 19.9 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt	6,013.12	941.90
26 12 19 00-0036	EA		167 KVA, Primary 12.47 KV Ground Y / 7.2 - 34.5 KV Ground Y / 19.9 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt	7,481.62	942.02
26 12 19 00-0037	EA		250 KVA, Primary 12.47 KV Ground Y / 7.2 - 34.5 KV Ground Y / 19.9 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt	9,464.67	1,308.21
26 12 19 00-0038			Oil Filled Distribution Transformer Single Phase Cluster Mounted <small>(26 12 19 00-0001)</small> Note: Conventional type.		
26 12 19 00-0039			13.8/14.4 KV Ground Y Or Delta Primary 120/240V <small>(26 12 19 00-0038)</small> Note: 2.5 Taps FCBN and FCAN.		
26 12 19 00-0040	EA		10 KVA, 13.8 - 14.4 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	2,400.94	355.23
26 12 19 00-0041	EA		37.5 KVA, 13.8 - 14.4 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	3,061.15	499.53
26 12 19 00-0042	EA		50 KVA, 13.8 - 14.4 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	4,613.41	799.26
26 12 19 00-0043	EA		100 KVA, 13.8 - 14.4 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	7,773.30	799.26
26 12 19 00-0044	EA		167 KVA, 13.8 - 14.4 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	10,565.93	1,309.89
26 12 19 00-0045	EA		250 KVA, 13.8 - 14.4 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	13,775.82	1,309.89
26 12 19 00-0046			Oil Filled Distribution Transformer Single Phase <small>(26 12 19 00-0001)</small>		
26 12 19 00-0047			7.2 KV Primary, 120/240 V Secondary <small>(26 12 19 00-0046)</small>		
26 12 19 00-0048	EA		10 KVA, 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	2,344.26	377.43
26 12 19 00-0049	EA		15 KVA, 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	2,567.20	377.43
26 12 19 00-0050	EA		25 KVA, 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	2,991.68	532.84
26 12 19 00-0051	EA		37.5 KVA, 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	3,920.72	532.84
26 12 19 00-0052	EA		50 KVA, 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	4,523.98	721.55
26 12 19 00-0053	EA		100 KVA, 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	7,628.54	1,110.08
26 12 19 00-0054	EA		167 KVA, 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	10,452.57	1,110.08
26 12 19 00-0055	EA		250 KVA, 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	13,600.83	1,387.60
26 12 19 00-0056			7.2 KV Primary, 240/480 V Secondary <small>(26 12 19 00-0046)</small>		
26 12 19 00-0057	EA		10 KVA, 7.2 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	2,344.26	377.43
26 12 19 00-0058	EA		15 KVA, 7.2 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	2,567.25	377.43
26 12 19 00-0059	EA		25 KVA, 7.2 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	2,991.68	532.84
26 12 19 00-0060	EA		37.5 KVA, 7.2 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	3,920.72	532.84
26 12 19 00-0061	EA		50 KVA, 7.2 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	4,523.98	721.55
26 12 19 00-0062	EA		75 KVA, 7.2 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	6,783.54	976.86
26 12 19 00-0063	EA		100 KVA, 7.2 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	7,628.54	976.86
26 12 19 00-0064	EA		167 KVA, 7.2 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	10,452.57	1,232.18
26 12 19 00-0065	EA		250 KVA, 7.2 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	13,600.83	1,387.60
26 12 19 00-0066			2.4 KV Primary, 277 V Secondary <small>(26 12 19 00-0046)</small>		
26 12 19 00-0067	EA		10 KVA, 2.4 KV Primary, 277 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	2,522.13	377.43
26 12 19 00-0068	EA		15 KVA, 2.4 KV Primary, 277 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	2,761.04	377.43
26 12 19 00-0069	EA		25 KVA, 2.4 KV Primary, 277 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	3,221.51	532.84



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 12 19 00-0070 EA 37.5 KVA, 2.4 KV Primary, 277 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	4,214.31	532.84
26 12 19 00-0071 EA 50 KVA, 2.4 KV Primary, 277 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	4,859.91	721.55
26 12 19 00-0072 EA 75 KVA, 2.4 KV Primary, 277 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	7,160.18	976.86
26 12 19 00-0073 EA 100 KVA, 2.4 KV Primary, 277 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	8,250.13	976.86
26 12 19 00-0074 EA 167 KVA, 2.4 KV Primary, 277 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	11,325.03	1,232.18
26 12 19 00-0075 EA 250 KVA, 2.4 KV Primary, 277 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	14,783.56	1,387.60
26 12 19 00-0076 2.4 KV Primary, 120/240 V Secondary <small>(26 12 19 00-0046)</small>		
26 12 19 00-0077 EA 10 KVA, 2.4 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	2,344.26	377.43
26 12 19 00-0078 EA 15 KVA, 2.4 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	2,567.20	377.43
26 12 19 00-0079 EA 25 KVA, 2.4 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	2,991.68	724.99
26 12 19 00-0080 EA 37.5 KVA, 2.4 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	3,920.72	976.86
26 12 19 00-0081 EA 50 KVA, 2.4 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	4,523.98	721.55
26 12 19 00-0082 EA 75 KVA, 2.4 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	6,629.61	976.86
26 12 19 00-0083 EA 100 KVA, 2.4 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	7,627.37	976.86
26 12 19 00-0084 2.4 KV Primary, 240/480 V Secondary <small>(26 12 19 00-0046)</small>		
26 12 19 00-0085 EA 10 KVA, 2.4 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	2,344.26	377.43
26 12 19 00-0086 EA 15 KVA, 2.4 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	2,567.20	377.43
26 12 19 00-0087 EA 25 KVA, 2.4 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	2,991.68	532.84
26 12 19 00-0088 EA 37.5 KVA, 2.4 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	3,920.72	532.84
26 12 19 00-0089 EA 50 KVA, 2.4 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	4,523.98	721.55
26 12 19 00-0090 EA 75 KVA, 2.4 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	6,629.61	976.86
26 12 19 00-0091 EA 100 KVA, 2.4 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	7,627.37	976.86
26 12 19 00-0092 2.4 KV x 7.2 KV Primary, 120/240 V Secondary <small>(26 12 19 00-0046)</small>		
26 12 19 00-0093 EA 10 KVA, 2.4 KV x 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	2,067.63	388.53
26 12 19 00-0094 EA 15 KVA, 2.4 KV x 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	2,254.67	432.93
26 12 19 00-0095 EA 25 KVA, 2.4 KV x 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	2,690.25	477.33
26 12 19 00-0096 EA 37 KVA, 2.4 KV x 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	3,494.88	666.04
26 12 19 00-0097 EA 50 KVA, 2.4 KV x 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	3,934.70	777.05
26 12 19 00-0098 EA 75 KVA, 2.4 KV x 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	5,236.19	910.26
26 12 19 00-0099 EA 100 KVA, 2.4 KV x 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	6,229.22	1,043.47
26 12 19 00-0100 EA 167 KVA, 2.4 KV x 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	9,370.38	1,332.09
26 12 19 00-0101 EA 250 KVA, 2.4 KV x 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	12,508.18	1,498.60
26 13 Medium-Voltage Switchgear <small>(26 10)</small>		
26 13 16 Medium-Voltage Fusible Interrupter Switchgear <small>(26 13)</small>		
26 13 16 00-0001 "Switchyard", Substation Secondary Distribution Section <small>(26 13 16)</small>		
Note: Medium voltage, metal clad switchgear, 3 phase, 3 wire with ground. Includes breaker element, housing, control switch two lamps - 3 cable terminals.		
26 13 16 00-0002 4.16 Or 4.8 KV Switchgear Sections <small>(26 13 16 00-0001)</small>		
Note: Includes air circuit breaker.		
26 13 16 00-0003 EA 1,200 Amp, 75 MVA, 4.16 Or 4.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section	7,464.22	1,154.48
For Weatherproofing, Add 1,480.24		
26 13 16 00-0004 EA 1,200 Amp, 250 MVA, 4.16 Or 4.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section	7,779.07	1,154.48
For Weatherproofing, Add 1,549.51		
26 13 16 00-0005 EA 1,200 Amp, 350 MVA, 4.16 Or 4.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section	10,419.57	1,470.85
For Weatherproofing, Add 2,097.56		
26 13 16 00-0006 EA 2,000 Amp, 250 MVA, 4.16 Or 4.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section	13,882.37	1,470.85
For Weatherproofing, Add 2,834.61		
26 13 16 00-0007 EA 2,000 Amp, 350 MVA, 4.16 Or 4.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section	19,446.02	1,776.12
For Weatherproofing, Add 4,029.07		
26 13 16 00-0008 EA 3,000 Amp, 350 MVA, 4.16 Or 4.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section	17,983.17	1,776.12
For Weatherproofing, Add 3,694.66		
26 13 16 00-0009 7.2 KV Switchgear Sections <small>(26 13 16 00-0001)</small>		
Note: Includes air circuit breaker.		
26 13 16 00-0010 EA 1,200 Amp, 500 MVA, 7.2 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section	10,704.42	1,332.09
For Weatherproofing, Add 2,176.34		
26 13 16 00-0011 EA 2,000 Amp, 500 MVA, 7.2 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section	13,241.23	1,665.12
For Weatherproofing, Add 2,679.72		
26 13 16 00-0012 EA 3,000 Amp, 500 MVA, 7.2 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section	18,235.69	1,998.13
For Weatherproofing, Add 3,739.20		
26 13 16 00-0013 13.8 KV Switchgear Sections <small>(26 13 16 00-0001)</small>		
Note: Includes air circuit breaker.		
26 13 16 00-0014 EA 1,200 Amp, 500 MVA, 13.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section	10,468.30	1,332.09
For Weatherproofing, Add 2,109.73		
26 13 16 00-0015 EA 1,200 Amp, 750 MVA, 13.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section	14,130.02	1,332.09
For Weatherproofing, Add 2,883.37		
26 13 16 00-0016 EA 1,200 Amp, 1,000 MVA, 13.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section	20,176.63	1,776.12
For Weatherproofing, Add 4,177.22		

26 Electrical**26 10 Medium-Voltage Electrical Distribution****26 13 Medium-Voltage Switchgear**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 13 16 00-0017	EA		2,000 Amp, 500 MVA, 13.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section.....	13,193.52	1,776.12
			<i>For Weatherproofing, Add</i>	2,655.89	
26 13 16 00-0018	EA		2,000 Amp, 750 MVA, 13.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section.....	18,609.24	2,220.15
			<i>For Weatherproofing, Add</i>	3,815.52	
26 13 16 00-0019	EA		2,000 Amp, 1,000 MVA, 13.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section.....	25,506.03	2,220.15
			<i>For Weatherproofing, Add</i>	5,299.26	
26 13 16 00-0020	EA		3,000 Amp, 500 MVA, 13.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section.....	18,052.34	2,220.15
			<i>For Weatherproofing, Add</i>	3,683.72	
26 13 16 00-0021	EA		3,000 Amp, 750 MVA, 13.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section.....	24,485.28	2,220.15
			<i>For Weatherproofing, Add</i>	5,066.99	
26 13 16 00-0022	EA		3,000 Amp, 1,000 MVA, 13.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section.....	31,293.28	2,220.15
			<i>For Weatherproofing, Add</i>	6,534.50	
26 13 16 00-0023			4.16 Or 4.8 KV Switchgear Section (26 13 16 00-0001)		
			Note: Excludes air circuit breaker element.		
26 13 16 00-0024	EA		1,200 Amp, 250 MVA, 4.16 Or 4.8 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section.....	3,552.95	727.10
			<i>For Weatherproofing, Add</i>	679.67	
26 13 16 00-0025	EA		1,200 Amp, 350 MVA, 4.16 Or 4.8 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section.....	4,406.53	727.10
			<i>For Weatherproofing, Add</i>	867.46	
26 13 16 00-0026	EA		2,000 Amp, 250 MVA, 4.16 Or 4.8 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section.....	4,947.52	965.76
			<i>For Weatherproofing, Add</i>	953.55	
26 13 16 00-0027	EA		2,000 Amp, 350 MVA, 4.16 Or 4.8 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section.....	6,130.40	1,193.33
			<i>For Weatherproofing, Add</i>	1,181.58	
26 13 16 00-0028	EA		3,000 Amp, 350 MVA, 4.16 Or 4.8 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section.....	7,857.97	1,193.33
			<i>For Weatherproofing, Add</i>	1,561.65	
26 13 16 00-0029			7.2 KV Switchgear Section (26 13 16 00-0001)		
			Note: Excludes air circuit breaker element.		
26 13 16 00-0030	EA		1,200 Amp, 500 MVA, 7.2 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section.....	4,405.95	1,110.08
			<i>For Weatherproofing, Add</i>	853.16	
26 13 16 00-0031	EA		2,000 Amp, 500 MVA, 7.2 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section.....	5,743.27	1,110.08
			<i>For Weatherproofing, Add</i>	1,114.66	
26 13 16 00-0032	EA		3,000 Amp, 500 MVA, 7.2 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section.....	8,443.00	1,110.08
			<i>For Weatherproofing, Add</i>	1,676.33	
26 13 16 00-0033			13.8 KV Switchgear Section (26 13 16 00-0001)		
			Note: Excludes air circuit breaker element.		
26 13 16 00-0034	EA		1,200 Amp, 500 MVA, 13.8 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section.....	4,624.94	943.56
			<i>For Weatherproofing, Add</i>	886.01	
26 13 16 00-0035	EA		1,200 Amp, 750 MVA, 13.8 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section.....	4,871.97	943.56
			<i>For Weatherproofing, Add</i>	940.35	
26 13 16 00-0036	EA		1,200 Amp, 1,000 MVA, 13.8 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section.....	6,811.13	1,165.58
			<i>For Weatherproofing, Add</i>	1,334.51	
26 13 16 00-0037	EA		2,000 Amp, 500 MVA, 13.8 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section.....	6,419.91	1,398.70
			<i>For Weatherproofing, Add</i>	1,216.15	
26 13 16 00-0038	EA		2,000 Amp, 750 MVA, 13.8 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section.....	7,584.05	1,398.70
			<i>For Weatherproofing, Add</i>	1,472.27	
26 13 16 00-0039	EA		2,000 Amp, 1,000 MVA, 13.8 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section.....	8,745.27	1,631.81
			<i>For Weatherproofing, Add</i>	1,694.74	
26 13 16 00-0040	EA		3,000 Amp, 500 MVA, 13.8 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section.....	8,518.46	1,864.93
			<i>For Weatherproofing, Add</i>	1,612.43	
26 13 16 00-0041	EA		3,000 Amp, 750 MVA, 13.8 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section.....	9,316.16	1,864.93
			<i>For Weatherproofing, Add</i>	1,787.92	
26 13 16 00-0042	EA		3,000 Amp, 1,000 MVA, 13.8 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section.....	11,283.13	2,086.94
			<i>For Weatherproofing, Add</i>	2,187.95	
26 13 16 00-0043			Accessories For Substation Secondary Distribution Sections (26 13 16 00-0001)		
26 13 16 00-0044	EA		1,200 Amp, Transformer Throat Connection Accessories, Secondary Distribution Section.....	2,490.84	703.46
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	422.08	
26 13 16 00-0045	EA		2,000 Amp, Transformer Throat Connection Accessories, Secondary Distribution Section.....	3,017.35	780.61
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	468.39	
26 13 16 00-0046	EA		3,000 Amp, Transformer Throat Connection Accessories, Secondary Distribution Section.....	3,860.55	939.12
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	563.49	
26 13 16 00-0047	EA		3-Phase Pothead Termination Accessories, Secondary Distribution Section	3,240.84	1,412.35
26 13 16 00-0048	EA		5 KV, 15 KVA, Control Power Transformer Accessories, Secondary Distribution Section.....	2,342.11	94.85
26 13 16 00-0049	EA		5 KV, 30 KVA, Control Power Transformer Accessories, Secondary Distribution Section.....	3,096.11	94.85
26 13 16 00-0050	EA		5 KV, 75 KVA, Control Power Transformer Accessories, Secondary Distribution Section.....	5,589.87	94.85
26 13 16 00-0051	EA		15 KV, 15 KVA, Control Power Transformer Accessories, Secondary Distribution Section.....	4,413.55	94.85
26 13 16 00-0052	EA		15 KV, 30 KVA, Control Power Transformer Accessories, Secondary Distribution Section.....	4,809.36	94.85
26 13 16 00-0053	EA		15 KV, 75 KVA, Control Power Transformer Accessories, Secondary Distribution Section.....	6,511.86	94.85
26 13 16 00-0054	EA		6 KV, 3-Phase Lightning Arrester Accessories, Secondary Distribution Section	1,113.50	94.85
26 13 16 00-0055	EA		9 KV, 3-Phase Lightning Arrester Accessories, Secondary Distribution Section	1,246.04	94.85
26 13 16 00-0056	EA		15 KV, 3-Phase Lightning Arrester Accessories, Secondary Distribution Section	1,842.79	94.85
26 13 16 00-0057	EA		Overcurrent Phase Protection, Time And Instantaneous Device 67	1,214.16	94.85
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	56.92	
26 13 16 00-0058	EA		AC Ammeter With Switch.....	533.59	94.85
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	56.92	
26 13 16 00-0059	EA		AC Voltmeter With Switch And Potential Transformer	533.59	94.85
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	56.92	



Electrical	26
Medium-Voltage Electrical Distribution	26 10
Medium-Voltage Switchgear	26 13

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 13 16 00-0060 EA Indicating Wattmeter.....	742.77	94.85
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>56.92</i>	
26 13 16 00-0061 EA Indicating Varmeter.....	858.83	94.85
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>56.92</i>	
26 13 16 00-0062 EA Indicating Watt-hour Meter, 2 Element	575.14	94.85
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>56.92</i>	
26 13 16 00-0063 EA Ground Protection, Time Or Instantaneous Device 67N.....	1,221.32	94.85
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>56.92</i>	
26 13 16 00-0064 EA Differential Generator Protection Single Phase NEMA Device 87	2,219.61	94.85
26 13 16 00-0065 EA Current Transformers 5 And 15 KV Single Secondary	392.82	94.85
26 13 16 00-0066 EA Potential Transformers 5 KV And 15 KV With Primary Fuses.....	1,513.25	94.85
 26 13 19 Medium-Voltage Vacuum Interrupter Switchgear (26 13)		
26 13 19 00-0001 Vacuum Circuit Breakers 13.8 KV (26 13 19)		
26 13 19 00-0002 EA 1,200 Amp, 500 MVA, Vacuum Circuit Breaker, 13.8 KV Substation, Secondary Distribution Section.....	24,247.40	1,387.60
26 13 19 00-0003 EA 1,200 Amp, 750 MVA, Vacuum Circuit Breaker, 13.8 KV Substation, Secondary Distribution Section.....	26,861.74	1,753.92
26 13 19 00-0004 EA 1,200 Amp, 1,000 MVA, Vacuum Circuit Breaker, 13.8 KV Substation, Secondary Distribution Section.....	30,535.25	1,753.92
26 13 19 00-0005 EA 2,000 Amp, 500 MVA, Vacuum Circuit Breaker, 13.8 KV Substation, Secondary Distribution Section.....	27,617.33	1,387.60
26 13 19 00-0006 EA 2,000 Amp, 750 MVA, Vacuum Circuit Breaker, 13.8 KV Substation, Secondary Distribution Section.....	30,894.87	1,387.60
26 13 19 00-0007 EA 2,000 Amp, 1,000 MVA, Vacuum Circuit Breaker, 13.8 KV Substation, Secondary Distribution Section.....	35,244.39	1,631.81
26 13 19 00-0008 EA 3,000 Amp, 500 MVA, Vacuum Circuit Breaker, 13.8 KV Substation, Secondary Distribution Section.....	36,543.31	1,864.93
26 13 19 00-0009 EA 3,000 Amp, 750 MVA, Vacuum Circuit Breaker, 13.8 KV Substation, Secondary Distribution Section.....	39,837.50	1,864.93
26 13 19 00-0010 EA 3,000 Amp, 1,000 MVA, Vacuum Circuit Breaker, 13.8 KV Substation, Secondary Distribution Section.....	43,584.86	2,098.04
 26 18 Medium-Voltage Circuit Protection Devices (26 10)		
26 18 16 Medium-Voltage Fuses (26 18)		
26 18 16 00-0001 Sectionalizing Switch (26 18 16)		
26 18 16 00-0002 Pad Mounted Metal Enclosed Oil Filled Switching Units (26 18 16 00-0001)		
Note: 15 KV - 25 KV.		
26 18 16 00-0003 Sectionalizing Tapping And Fusing Underground Feeders (26 18 16 00-0002)		
Note: 200 Amp replaceable bushing wells recessed locking assembly oil level and oil fill plugs.		
26 18 16 00-0004 EA 3 Phase, 1 Switch Up And 2 Switch Downstream Tapping And Fusing Underground.....	19,122.01	784.92
26 18 16 00-0005 EA 3 Phase, 2 Switch Up And 2 Switch Downstream Tapping And Fusing Underground.....	21,453.96	784.92
 26 20 Low-Voltage Electrical Distribution (26)		
26 21 Low-Voltage Electrical Service Entrance (26 20)		
See CSI section 26 05 13 00-0000 for wire and cables.		
26 21 13 Low-Voltage Overhead Electrical Service Entrance (26 21)		
26 21 13 00-0001 Service Drop Cable And Weatherheads (26 21 13)		
26 21 13 00-0002 600 Volt Insulated Stranded Conductors (26 21 13 00-0001)		
26 21 13 00-0003 Aluminum Duplex ACSR Neutral (26 21 13 00-0002)		
26 21 13 00-0004 LF #6 AWG Aluminum Duplex ACSR With Neutral Cable Service Drop, Stranded Cable, 600 Volt.....	6.79	2.64
26 21 13 00-0005 LF #4 AWG Aluminum Duplex ACSR With Neutral Cable Service Drop, Stranded Cable, 600 Volt.....	8.10	3.12
26 21 13 00-0006 LF #2 AWG Aluminum Duplex ACSR With Neutral Cable Service Drop, Stranded Cable, 600 Volt.....	9.29	3.53
26 21 13 00-0007 LF #1/0 AWG Aluminum Duplex ACSR With Neutral Cable Service Drop, Stranded Cable, 600 Volt.....	11.99	4.44
 26 21 13 00-0008 Aluminum Triplex ACSR Neutral (26 21 13 00-0002)		
26 21 13 00-0009 LF #6 AWG Aluminum Triplex ACSR With Neutral Cable Service Drop, Stranded Cable, 600 Volt.....	8.14	3.12
26 21 13 00-0010 LF #4 AWG Aluminum Triplex ACSR With Neutral Cable Service Drop, Stranded Cable, 600 Volt.....	9.24	3.53
26 21 13 00-0011 LF #2 AWG Aluminum Triplex ACSR With Neutral Cable Service Drop, Stranded Cable, 600 Volt.....	11.68	4.44
26 21 13 00-0012 LF #1/0 AWG Aluminum Triplex ACSR With Neutral Cable Service Drop, Stranded Cable, 600 Volt.....	14.41	5.42
26 21 13 00-0013 LF #2/0 AWG Aluminum Triplex ACSR With Neutral Cable Service Drop, Stranded Cable, 600 Volt.....	18.94	7.16
26 21 13 00-0014 LF #4/0 AWG Aluminum Triplex ACSR With Neutral Cable Service Drop, Stranded Cable, 600 Volt.....	23.78	8.88
26 21 13 00-0015 LF 336 MCM Aluminum Triplex ACSR With Neutral Cable Service Drop, Stranded Cable, 600 Volt.....	29.80	10.58
 26 21 13 00-0016 Aluminum Quadruplex ACSR Neutral (26 21 13 00-0002)		
26 21 13 00-0017 LF #6 AWG Aluminum Quadruplex ACSR With Neutral Cable Service Drop, Stranded Cable, 600 Volt.....	9.25	3.53
26 21 13 00-0018 LF #4 AWG Aluminum Quadruplex ACSR With Neutral Cable Service Drop, Stranded Cable, 600 Volt.....	11.67	4.44
26 21 13 00-0019 LF #2 AWG Aluminum Quadruplex ACSR With Neutral Cable Service Drop, Stranded Cable, 600 Volt.....	15.01	5.70
26 21 13 00-0020 LF #1/0 AWG Aluminum Quadruplex ACSR With Neutral Cable Service Drop, Stranded Cable, 600 Volt.....	19.19	7.16
26 21 13 00-0021 LF #2/0 AWG Aluminum Quadruplex ACSR With Neutral Cable Service Drop, Stranded Cable, 600 Volt.....	21.31	7.93
26 21 13 00-0022 LF #3/0 AWG Aluminum Quadruplex ACSR With Neutral Cable Service Drop, Stranded Cable, 600 Volt.....	24.20	8.88
26 21 13 00-0023 LF #4/0 AWG Aluminum Quadruplex ACSR With Neutral Cable Service Drop, Stranded Cable, 600 Volt.....	28.66	10.58
26 21 13 00-0024 LF 336 MCM Aluminum Quadruplex ACSR With Neutral Cable Service Drop, Stranded Cable, 600 Volt.....	33.47	11.68
 26 21 13 00-0025 Aluminum Triplex For Underground Service, Direct Burial (26 21 13 00-0002)		
Note: Excludes excavation and backfill.		

26 Electrical
26 20 Low-Voltage Electrical Distribution
26 21 Low-Voltage Electrical Service Entrance



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 21 13 00-0026	MLF		#6 AWG Aluminum Triplex URD With Neutral Cable, Stranded Cable, 600 Volt, Direct Burial.....	2,847.07	986.74
26 21 13 00-0027	MLF		#4 AWG Aluminum Triplex URD With Neutral Cable, Stranded Cable, 600 Volt, Direct Burial.....	3,117.33	1,044.80
26 21 13 00-0028	MLF		#2 AWG Aluminum Triplex URD With Neutral Cable, Stranded Cable, 600 Volt, Direct Burial.....	3,476.01	1,110.08
26 21 13 00-0029	MLF		#1/0 AWG Aluminum Triplex URD With Neutral Cable, Stranded Cable, 600 Volt, Direct Burial.....	3,776.32	1,110.08
26 21 13 00-0030	MLF		#2/0 AWG Aluminum Triplex URD With Neutral Cable, Stranded Cable, 600 Volt, Direct Burial.....	4,117.35	1,184.12
26 21 13 00-0031	MLF		#3/0 AWG Aluminum Triplex URD With Neutral Cable, Stranded Cable, 600 Volt, Direct Burial.....	4,823.97	1,366.28
26 21 13 00-0032	MLF		#4/0 AWG Aluminum Triplex URD With Neutral Cable, Stranded Cable, 600 Volt, Direct Burial.....	6,082.58	1,776.12
26 21 13 00-0033 Weather Proof Conduit Hubs (26 21 13 00-0002)					
26 21 13 00-0034	EA		1/2" Weatherproof Conduit Hubs.....	47.76	18.26
26 21 13 00-0035	EA		3/4" Weatherproof Conduit Hubs.....	54.46	20.75
26 21 13 00-0036	EA		1" Weatherproof Conduit Hubs.....	62.95	23.24
26 21 13 00-0037	EA		1-1/4" Weatherproof Conduit Hubs.....	87.35	31.13
26 21 13 00-0038	EA		1-1/2" Weatherproof Conduit Hubs.....	95.85	33.62
26 21 13 00-0039	EA		2" Weatherproof Conduit Hubs.....	122.29	39.01
26 21 13 00-0040	EA		2-1/2" Weatherproof Conduit Hubs.....	158.07	44.00
26 21 13 00-0041	EA		3" Weatherproof Conduit Hubs.....	202.39	51.88
26 21 13 00-0042	EA		4" Weatherproof Conduit Hubs.....	362.63	103.76
26 21 13 00-0043 Service Entrance Cap, Threaded Weatherhead, Galvanized (26 21 13 00-0002)					
26 21 13 00-0044	EA		1/2" Galvanized Threaded Service Entrance Weatherhead Cap For #14 Thru #10 AWG Cable Service.....	51.36	18.26
26 21 13 00-0045	EA		3/4" Galvanized Threaded Service Entrance Weatherhead Cap For #12 Thru #8 AWG Cable Service.....	58.77	20.75
26 21 13 00-0046	EA		1" Galvanized Threaded Service Entrance Weatherhead Cap For #6 AWG Cable Service.....	66.90	23.24
26 21 13 00-0047	EA		1-1/4" Galvanized Threaded Service Entrance Weatherhead Cap For #4 Thru #2 AWG Cable Service.....	89.82	31.13
26 21 13 00-0048	EA		1-1/2" Galvanized Threaded Service Entrance Weatherhead Cap For #4 Thru #2 AWG Cable Service.....	100.39	33.62
26 21 13 00-0049	EA		2" Galvanized Threaded Service Entrance Weatherhead Cap For #1/0 Thru #2/0 AWG Cable Service.....	128.07	39.01
26 21 13 00-0050	EA		2-1/2" Galvanized Threaded Service Entrance Weatherhead Cap For #3/0 Thru #4/0 Cable Service.....	199.36	44.00
26 21 13 00-0051	EA		3" Galvanized Threaded Service Entrance Weatherhead Cap For 250 Thru 350 MCM Cable Service.....	228.28	51.88
26 21 13 00-0052	EA		4" Galvanized Threaded Service Entrance Weatherhead Cap For 600 Thru 750 MCM Cable Service.....	389.07	103.76
26 21 13 00-0053 Service Entrance Cap, Clamp-On Weatherhead, Aluminum (26 21 13 00-0002)					
26 21 13 00-0054	EA		1/2" Aluminum Clamp-On Service Entrance Weatherhead Cap For #14 Thru #10 AWG Cable Service.....	50.11	18.26
26 21 13 00-0055	EA		3/4" Aluminum Clamp-On Service Entrance Weatherhead Cap For #12 Thru #8 AWG Cable Service.....	56.67	20.75
26 21 13 00-0056	EA		1" Aluminum Clamp-On Service Entrance Weatherhead Cap For #6 AWG Cable Service.....	64.06	23.14
26 21 13 00-0057	EA		1-1/4" Aluminum Clamp-On Service Entrance Weatherhead Cap For #4 Thru #2 AWG Cable Service.....	85.34	31.13
26 21 13 00-0058	EA		1-1/2" Aluminum Clamp-On Service Entrance Weatherhead Cap For #4 Thru #2 AWG Cable Service.....	94.33	33.62
26 21 13 00-0059	EA		2" Aluminum Clamp-On Service Entrance Weatherhead Cap For #1/0 Thru #2/0 AWG Cable Service.....	110.76	39.01
26 21 13 00-0060	EA		2-1/2" Aluminum Clamp-On Service Entrance Weatherhead Cap For #3/0 Thru #4/0 Cable Service.....	166.90	44.00
26 21 13 00-0061	EA		3" Aluminum Clamp-On Service Entrance Weatherhead Cap For 250 Thru 350 MCM Cable Service.....	211.96	51.88
26 21 13 00-0062	EA		3-1/2" Aluminum Clamp-On Service Entrance Weatherhead Cap For 400 Thru 500 MCM Cable Service.....	301.96	77.82
26 21 13 00-0063	EA		4" Aluminum Clamp-On Service Entrance Weatherhead Cap For 600 Thru 750 MCM Cable Service.....	369.64	103.76
26 21 13 00-0064 Service Entrance Cap, Threaded Weatherhead, Polyvinyl Chloride (PVC) (26 21 13 00-0002)					
26 21 13 00-0065	EA		1/2" Polyvinyl Chloride (PVC) Threaded Service Entrance Weatherhead Cap For #14 Thru #10 AWG Cable Service.....	50.91	18.26
26 21 13 00-0066	EA		3/4" Polyvinyl Chloride (PVC) Threaded Service Entrance Weatherhead Cap For #12 Thru #8 AWG Cable Service.....	58.33	20.75
26 21 13 00-0067	EA		1" Polyvinyl Chloride (PVC) Threaded Service Entrance Weatherhead Cap For #6 AWG Cable Service.....	66.40	23.14
26 21 13 00-0068	EA		1-1/4" Polyvinyl Chloride (PVC) Threaded Service Entrance Weatherhead Cap For #4 Thru #2 AWG Cable Service.....	88.38	31.13
26 21 13 00-0069	EA		1-1/2" Polyvinyl Chloride (PVC) Threaded Service Entrance Weatherhead Cap For #4 Thru #2 AWG Cable Service.....	96.40	33.62
26 21 13 00-0070	EA		2" Polyvinyl Chloride (PVC) Threaded Service Entrance Weatherhead Cap For #1/0 Thru #2/0 AWG Cable Service.....	119.37	39.01
26 21 13 00-0071	EA		2-1/2" Polyvinyl Chloride (PVC) Threaded Service Entrance Weatherhead Cap For #3/0 Thru #4/0 Cable Service.....	210.54	44.00
26 21 13 00-0072	EA		3" Polyvinyl Chloride (PVC) Threaded Service Entrance Weatherhead Cap For 250 Thru 350 MCM Cable Service.....	234.60	51.88
26 21 13 00-0073	EA		3-1/2" Polyvinyl Chloride (PVC) Threaded Service Entrance Weatherhead Cap For 400 Thru 500 MCM Cable Service.....	408.96	77.82
26 21 13 00-0074	EA		4" Polyvinyl Chloride (PVC) Threaded Service Entrance Weatherhead Cap For 600 Thru 750 MCM Cable Service.....	568.48	103.76
26 22 Low-Voltage Transformers (26 20)					
26 22 13 Low-Voltage Distribution Transformers (26 22)					
26 22 13 00-0001 Single Phase General Purpose "Dry Type" Transformers (26 22 13)					
Note: 60 HZ type EP and EPT 115 C rise, 185 C insulation, type DT-3 and DS-3 150 C rise, 220 C insulation. Indoor Use. Wall mounted for up to 10 KVA, floor mounted for 15 KVA and larger. DT-3 and DS-3 use weathershields for outdoor placement. UL listed.					
26 22 13 00-0002 480 Volt, 120/240 Volt, General Purpose Dry Type Transformers (26 22 13 00-0001)					
Note: 2-2.5 Percent taps above and 4-2.5 percent taps below.					
26 22 13 00-0003	EA		1 KVA, 480 Volt - 120/240 Volt Transformer, Dry, 1 Phase, 60 Hertz, General Purpose.....	686.53	265.47
26 22 13 00-0004	EA		3 KVA, 480 Volt - 120/240 Volt Transformer, Dry, 1 Phase, 60 Hertz, General Purpose.....	873.99	318.57
26 22 13 00-0005	EA		5 KVA, 480 Volt - 120/240 Volt Transformer, Dry, 1 Phase, 60 Hertz, General Purpose.....	1,002.40	332.37
26 22 13 00-0006	EA		7.5 KVA, 480 Volt - 120/240 Volt Transformer, Dry, 1 Phase, 60 Hertz, General Purpose.....	1,131.79	345.11
26 22 13 00-0007	EA		10 KVA, 480 Volt - 120/240 Volt Transformer, Dry, 1 Phase, 60 Hertz, General Purpose.....	1,435.44	371.66



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 22 13 00-0008 EA 15 KVA, 480 Volt - 120/240 Volt Transformer, Dry, 1 Phase, 60 Hertz, General Purpose.....	1,646.06	398.21
<i>For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add</i>	42.48	
<i>For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add</i>	63.72	
26 22 13 00-0009 EA 25 KVA, 480 Volt - 120/240 Volt Transformer, Dry, 1 Phase, 60 Hertz, General Purpose.....	1,787.31	424.76
<i>For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add</i>	46.89	
<i>For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add</i>	70.33	
26 22 13 00-0010 EA 37.5 KVA, 480 Volt - 120/240 Volt Transformer, Dry, 1 Phase, 60 Hertz, General Purpose.....	1,829.92	477.85
<i>For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add</i>	43.71	
<i>For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add</i>	65.57	
26 22 13 00-0011 EA 50 KVA, 480 Volt - 120/240 Volt Transformer, Dry, 1 Phase, 60 Hertz, General Purpose.....	2,125.65	530.95
<i>For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add</i>	53.19	
<i>For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add</i>	79.78	
26 22 13 00-0012 EA 75 KVA, 480 Volt - 120/240 Volt Transformer, Dry, 1 Phase, 60 Hertz, General Purpose.....	2,716.19	637.14
<i>For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add</i>	72.10	
<i>For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add</i>	108.14	
26 22 13 00-0013 EA 100 KVA, 480 Volt - 120/240 Volt Transformer, Dry, 1 Phase, 60 Hertz, General Purpose.....	3,351.57	743.32
<i>For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add</i>	93.25	
<i>For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add</i>	139.87	
26 22 13 00-0014 EA 167 KVA, 480 Volt - 120/240 Volt Transformer, Dry, 1 Phase, 60 Hertz, General Purpose.....	5,004.73	955.71
<i>For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add</i>	154.67	
<i>For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add</i>	232.00	
26 22 13 00-0015 EA 250 KVA, 480 Volt - 120/240 Volt Transformer, Dry, 1 Phase, 60 Hertz, General Purpose.....	8,204.48	1,168.09
<i>For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add</i>	293.42	
<i>For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add</i>	440.12	
26 22 13 00-0016 EA 333 KVA, 480 Volt - 120/240 Volt Transformer, Dry, 1 Phase, 60 Hertz, General Purpose.....	12,122.38	1,327.37
<i>For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add</i>	473.38	
<i>For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add</i>	710.07	
26 22 13 00-0017 240 x 480 Volt, 120/240 Volt, General Purpose Dry Type Transformers <small>(26 22 13 00-0001)</small>		
<i>Note: 1-10 Percent x 2-5 percent FCBN taps.</i>		
26 22 13 00-0018 EA 3 KVA, 240 x 480 Volt - 120/240 Volt Transformer, 1 Phase, 60 Hertz, General Purpose, Dry.....	801.58	318.57
26 22 13 00-0019 EA 5 KVA, 240 x 480 Volt - 120/240 Volt Transformer, 1 Phase, 60 Hertz, General Purpose, Dry.....	886.38	331.85
26 22 13 00-0020 EA 7.5 KVA, 240 x 480 Volt - 120/240 Volt Transformer, 1 Phase, 60 Hertz, General Purpose, Dry.....	1,002.10	345.11
26 22 13 00-0021 EA 10 KVA, 240 x 480 Volt - 120/240 Volt Transformer, 1 Phase, 60 Hertz, General Purpose, Dry.....	1,130.46	371.66
26 22 13 00-0022 240 x 480 Volt, 120/240 Volt, General Purpose Dry Type Transformers <small>(26 22 13 00-0001)</small>		
<i>Note: 2-5 Percent x 4 - 2.5 percent FCBN taps.</i>		
26 22 13 00-0023 EA 15 KVA, 240 x 480 Volt - 120/240 Volt Transformer, 1 Phase, 60 Hertz, General Purpose, Dry.....	1,646.06	398.21
26 22 13 00-0024 EA 25 KVA, 240 x 480 Volt - 120/240 Volt Transformer, 1 Phase, 60 Hertz, General Purpose, Dry.....	1,787.31	424.76
26 22 13 00-0025 1 Phase Mounting Brackets <small>(26 22 13 00-0001)</small>		
26 22 13 00-0026 EA 1 Phase Mounting Brackets (Set Of 2) For Transformers Up To 100 KVA.....	477.23	189.72
26 22 13 00-0027 1 Phase Weathershields <small>(26 22 13 00-0001)</small>		
<i>Note: Use with types DT-3 and DS-3.</i>		
26 22 13 00-0028 EA 37.5 KVA 1 Phase Weathershields, Set Of 2.....	30.61	
26 22 13 00-0029 EA 50 KVA 1 Phase Weathershields, Set Of 2.....	39.01	
26 22 13 00-0030 EA 75 KVA 1 Phase Weathershields, Set Of 2.....	46.52	
26 22 13 00-0031 EA 100 KVA 1 Phase Weathershields, Set Of 2.....	55.50	
26 22 13 00-0032 EA 167 KVA 1 Phase Weathershields, Set Of 2.....	75.09	
26 22 13 00-0033 EA 250 KVA 1 Phase Weathershields, Set Of 2.....	89.78	
26 22 13 00-0034 EA 333 KVA 1 Phase Weathershields, Set Of 2.....	110.18	
26 22 13 00-0035 Packaged Power Supply <small>(26 22 13 00-0001)</small>		
<i>Note: 2-5 Percent FCBN taps.</i>		
26 22 13 00-0036 EA 5 KVA, 480 Volt - 120/240 Volt, Transformer With 6 - 1 Pole / 3 - 2 Pole Max 20 Amp Breakers.....	1,113.66	331.85
26 22 13 00-0037 EA 7.5 KVA, 480 Volt - 120/240 Volt, Transformer With 8 - 1 Pole / 4 - 2 Pole Max 30 Amp Breakers.....	1,216.38	345.11
26 22 13 00-0038 EA 10 KVA, 480 Volt - 120/240 Volt, Transformer With 10 - 1 Pole / 5 - 2 Pole Max 40 Amp Breakers.....	1,314.83	371.66
26 22 13 00-0039 EA 15 KVA, 480 Volt - 120/240 Volt, Transformer With 16 - 1 Pole / 8 - 2 Pole Max 60 Amp Breakers.....	1,538.18	398.21
26 22 13 00-0040 EA 25 KVA, 480 Volt - 120/240 Volt, Transformer With 24 - 1 Pole / 12 - 2 Pole Max 100 Amp Breakers.....	1,955.91	424.76
26 22 13 00-0041 240 Volt, 120/240 Volt, Single Phase Isolation Transformer Computer Grade <small>(26 22 13 00-0001)</small>		
26 22 13 00-0042 EA 0.5 KVA, 1 Phase, 240 Volt - 120/240 Volt, Isolation Transformer	816.56	238.93
26 22 13 00-0043 EA 1 KVA, 1 Phase, 240 Volt - 120/240 Volt, Isolation Transformer	1,057.38	265.47
26 22 13 00-0044 EA 2.5 KVA, 1 Phase, 240 Volt - 120/240 Volt, Isolation Transformer	1,245.19	318.57
26 22 13 00-0045 EA 5 KVA, 1 Phase, 240 Volt - 120/240 Volt, Isolation Transformer	1,349.28	331.85
26 22 13 00-0046 EA 7.5 KVA, 1 Phase, 240 Volt - 120/240 Volt, Isolation Transformer	1,481.93	345.11
26 22 13 00-0047 EA 10 KVA, 1 Phase, 240 Volt - 120/240 Volt, Isolation Transformer	1,812.51	371.66
26 22 13 00-0048 EA 15 KVA, 1 Phase, 240 Volt - 120/240 Volt, Isolation Transformer	2,239.42	398.21
26 22 13 00-0049 1 Phase, 208/600 Volt, Dry General Purpose Transformer <small>(26 22 13 00-0001)</small>		
26 22 13 00-0050 EA 15 KVA, 208/600 Volt, Transformer, 1 Phase, 60 Hertz, General Purpose, Dry.....	2,633.09	398.21

26	26 Electrical
	26 20 Low-Voltage Electrical Distribution
	26 22 Low-Voltage Transformers



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 22 13 00-0051 EA 25 KVA, 208/600 Volt, Transformer, 1 Phase, 60 Hertz, General Purpose, Dry	2,747.07	424.76
26 22 13 00-0052 EA 30 KVA, 208/600 Volt, Transformer, 1 Phase, 60 Hertz, General Purpose, Dry	2,867.51	451.31
26 22 13 00-0053 EA 37.5 KVA, 208/600 Volt, Transformer, 1 Phase, 60 Hertz, General Purpose, Dry	3,625.07	477.85
26 22 13 00-0054 EA 45 KVA, 208/600 Volt, Transformer, 1 Phase, 60 Hertz, General Purpose, Dry	3,777.60	504.40
26 22 13 00-0055 EA 50 KVA, 208/600 Volt, Transformer, 1 Phase, 60 Hertz, General Purpose, Dry	4,846.24	530.95
26 22 13 00-0056 3 Phase General Purpose "Dry Type" Transformer ^(26 22 13)		
Note: 60 HZ type EP and EPT 115 C rise, 185 C insulation, type DT-3 and DS-3 150 C rise, 220 C insulation. Indoor use. Wall mounted for up to 10 KVA, floor mounted for 15 KVA and larger. DT-3 and DS-3 use weathershields for outdoor placement. UL listed.		
26 22 13 00-0057 Packaged Power Supply ^(26 22 13 00-0056)		
Note: 2-5 Percent FCBN taps.		
26 22 13 00-0058 EA 15 KVA, 480 Volt - 208/120 Volt, Transformer With 12 - 1 Pole / 4 - 3 Pole Max, 40 Amp Breakers	4,439.86	1,141.54
<i>For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add</i>		<i>107.84</i>
<i>For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add</i>		<i>161.76</i>
26 22 13 00-0059 EA 22.5 KVA, 480 Volt - 208/120 Volt, Transformer With 18 - 1 Pole / 6 - 3 Pole Max, 60 Amp Breakers	5,115.08	1,221.18
<i>For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add</i>		<i>133.64</i>
<i>For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add</i>		<i>200.45</i>
26 22 13 00-0060 EA 30 KVA, 480 Volt - 208/120 Volt, Transformer With 24 - 1 Pole / 8 - 3 Pole Max, 80 Amp Breakers	5,934.13	1,327.37
<i>For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add</i>		<i>163.97</i>
<i>For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add</i>		<i>245.95</i>
26 22 13 00-0061 Drive Isolation Transformers ^(26 22 13 00-0056)		
Note: Only use in step-up applications.		
26 22 13 00-0062 230 Volt Drive Isolation Transformers ^(26 22 13 00-0061)		
26 22 13 00-0063 EA 7.5 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	2,758.42	424.76
26 22 13 00-0064 EA 11 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	3,168.53	451.31
26 22 13 00-0065 EA 15 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	3,293.04	477.85
26 22 13 00-0066 EA 20 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	3,809.78	504.40
26 22 13 00-0067 EA 27 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	3,989.29	557.50
26 22 13 00-0068 EA 34 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	4,383.00	610.59
26 22 13 00-0069 EA 40 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	4,921.43	663.69
26 22 13 00-0070 EA 51 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	5,689.09	743.32
26 22 13 00-0071 EA 63 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	6,112.53	769.87
26 22 13 00-0072 EA 75 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	6,937.76	796.42
26 22 13 00-0073 EA 93 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	8,497.98	822.97
26 22 13 00-0074 EA 118 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	9,649.39	1,008.80
26 22 13 00-0075 EA 145 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	10,681.94	1,061.90
26 22 13 00-0076 EA 175 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	12,106.73	1,115.00
26 22 13 00-0077 EA 220 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	14,726.02	1,327.37
26 22 13 00-0078 EA 275 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	19,263.50	1,566.30
26 22 13 00-0079 EA 330 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	20,425.59	1,725.58
26 22 13 00-0080 EA 440 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	24,631.23	1,911.42
26 22 13 00-0081 EA 550 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	30,100.04	2,123.80
26 22 13 00-0082 208V Drive Isolation Transformers ^(26 22 13 00-0061)		
26 22 13 00-0083 EA 7.5 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	2,855.58	424.76
26 22 13 00-0084 EA 11 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	3,283.87	451.31
26 22 13 00-0085 EA 15 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	3,412.01	477.85
26 22 13 00-0086 EA 20 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	3,952.35	504.40
26 22 13 00-0087 EA 27 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	4,135.60	557.50
26 22 13 00-0088 EA 30 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	4,490.84	584.05
26 22 13 00-0089 EA 45 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	5,157.46	690.24
26 22 13 00-0090 EA 61 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	5,902.99	743.32
26 22 13 00-0091 EA 83 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	6,345.29	769.87
26 22 13 00-0092 EA 75 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	7,209.82	796.42
26 22 13 00-0093 EA 93 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	8,846.75	822.97
26 22 13 00-0094 EA 118 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	10,037.84	1,008.80
26 22 13 00-0095 EA 145 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	11,117.55	1,061.90
26 22 13 00-0096 EA 175 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	12,609.46	1,115.00
26 22 13 00-0097 EA 220 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	15,340.45	1,327.37
26 22 13 00-0098 480 Volt x 208Y/120 Volt, 2 - 2.5 Percent FCBN Taps ^(26 22 13 00-0056)		
26 22 13 00-0099 EA 9 KVA, 480 x 208 Y / 120 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry	2,119.88	438.04
26 22 13 00-0100 EA 15 KVA, 480 x 208 Y / 120 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry	2,662.38	477.85
<i>For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add</i>		<i>85.33</i>
<i>For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add</i>		<i>128.00</i>
26 22 13 00-0101 480 Volt x 208Y/120 Volt, 2-2.5 Percent FCAN And 4-2.5 Percent FCBN Taps ^(26 22 13 00-0056)		



Electrical	26
Low-Voltage Electrical Distribution	26 20
Low-Voltage Transformers	26 22

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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 22 13 00-0102 EA 30 KVA, 480 x 208 Y / 120 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry.....	3,042.82	584.05
For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	93.74	
For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	140.60	
For K4 Factor Rating, Add	1,312.31	
For K13 Factor Rating, Add	1,874.73	
For K20 Factor Rating, Add	2,437.15	
26 22 13 00-0103 EA 37.5 KVA, 480 x 208 Y / 120 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry.....	3,591.54	637.14
For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	115.86	
For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	173.80	
For K4 Factor Rating, Add	1,622.09	
For K13 Factor Rating, Add	2,317.27	
For K20 Factor Rating, Add	3,012.45	
26 22 13 00-0104 EA 45 KVA, 480 x 208 Y / 120 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry.....	3,784.07	690.24
For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	120.18	
For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	180.27	
For K4 Factor Rating, Add	1,682.52	
For K13 Factor Rating, Add	2,403.60	
For K20 Factor Rating, Add	3,124.68	
26 22 13 00-0105 EA 50 KVA, 480 x 208 Y / 120 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry.....	4,771.84	743.32
For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	164.26	
For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	246.39	
For K4 Factor Rating, Add	2,299.63	
For K13 Factor Rating, Add	3,285.18	
For K20 Factor Rating, Add	4,270.73	
26 22 13 00-0106 EA 75 KVA, 480 x 208 Y / 120 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry.....	4,782.27	796.42
For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	159.47	
For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	239.21	
For K4 Factor Rating, Add	2,232.59	
For K13 Factor Rating, Add	3,189.42	
For K20 Factor Rating, Add	4,146.25	
26 22 13 00-0107 EA 112.5 KVA, 480 x 208 Y / 120 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry.....	5,909.73	955.71
For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	199.92	
For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	299.87	
For K4 Factor Rating, Add	2,798.82	
For K13 Factor Rating, Add	3,998.31	
For K20 Factor Rating, Add	5,197.80	
26 22 13 00-0108 EA 150 KVA, 480 x 208 Y / 120 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry.....	7,456.16	1,061.90
For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	266.62	
For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	399.93	
For K4 Factor Rating, Add	3,732.65	
For K13 Factor Rating, Add	5,332.36	
For K20 Factor Rating, Add	6,932.07	
26 22 13 00-0109 EA 225 KVA, 480 x 208 Y / 120 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry.....	10,022.40	1,327.37
For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	368.38	
For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	552.57	
For K4 Factor Rating, Add	5,157.36	
For K13 Factor Rating, Add	7,367.65	
For K20 Factor Rating, Add	9,577.95	
26 22 13 00-0110 EA 300 KVA, 480 x 208 Y / 120 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry.....	12,250.39	1,645.95
For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	447.93	
For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	671.89	
For K4 Factor Rating, Add	6,270.96	
For K13 Factor Rating, Add	8,958.51	
For K20 Factor Rating, Add	11,646.06	
26 22 13 00-0111 EA 500 KVA, 480 x 208 Y / 120 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry.....	17,153.51	2,017.61
For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	655.91	
For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	983.87	
For K4 Factor Rating, Add	9,182.80	
For K13 Factor Rating, Add	13,118.29	
For K20 Factor Rating, Add	17,053.78	
26 22 13 00-0112 EA 750 KVA, 480 x 208 Y / 120 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry.....	36,883.26	2,407.11
For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	1,599.93	
For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	2,399.89	
For K4 Factor Rating, Add	22,398.96	
For K13 Factor Rating, Add	31,998.52	
For K20 Factor Rating, Add	41,598.08	
26 22 13 00-0113 EA 1,000 KVA, 480 x 208 Y / 120 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry.....	47,911.36	2,654.75
For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	2,130.09	
For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	3,195.14	
For K4 Factor Rating, Add	29,821.31	
For K13 Factor Rating, Add	42,601.87	
For K20 Factor Rating, Add	55,382.43	
26 22 13 00-0114 480 Volt x 208Y/120 Volt, 2-2.5 Percent FCAN And 2-2.5 Percent FCBN		
Taps <small>(26 22 13 00-0056)</small>		
26 22 13 00-0115 EA 6 KVA, 480 x 208 Y / 120 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry.....	1,792.39	411.49
For K4 Factor Rating, Add	678.59	
For K13 Factor Rating, Add	969.42	
For K20 Factor Rating, Add	1,260.25	
26 22 13 00-0116 EA 9 KVA, 480 x 208 Y / 120 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry.....	2,119.88	438.04
For K4 Factor Rating, Add	870.67	
For K13 Factor Rating, Add	1,243.82	
For K20 Factor Rating, Add	1,616.97	

26 Electrical
26 20 Low-Voltage Electrical Distribution
26 22 Low-Voltage Transformers



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 22 13 00-0117 EA 15 KVA, 480 x 208 Y / 120 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry	2,662.38	477.85
<i>For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add</i>	85.33	
<i>For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add</i>	128.00	
<i>For K4 Factor Rating, Add</i>	1,194.67	
<i>For K13 Factor Rating, Add</i>	1,706.67	
<i>For K20 Factor Rating, Add</i>	2,218.67	
26 22 13 00-0118 480 Volt x 480Y/277 Volt, 2-2.5 Percent FCAN And 4 Percent FCBN Taps (26 22 13 00-0056)		
26 22 13 00-0119 EA 30 KVA, 480 x 480 Y / 277 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry	4,736.72	584.05
<i>For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add</i>	178.43	
<i>For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add</i>	267.65	
<i>For K4 Factor Rating, Add</i>	2,498.04	
<i>For K13 Factor Rating, Add</i>	3,568.63	
<i>For K20 Factor Rating, Add</i>	4,639.22	
26 22 13 00-0120 EA 45 KVA, 480 x 480 Y / 277 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry	5,351.64	690.24
<i>For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add</i>	198.56	
<i>For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add</i>	297.84	
<i>For K4 Factor Rating, Add</i>	2,779.82	
<i>For K13 Factor Rating, Add</i>	3,971.17	
<i>For K20 Factor Rating, Add</i>	5,162.52	
26 22 13 00-0121 EA 75 KVA, 480 x 480 Y / 277 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry	7,632.53	796.42
<i>For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add</i>	301.98	
<i>For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add</i>	452.98	
<i>For K4 Factor Rating, Add</i>	4,227.78	
<i>For K13 Factor Rating, Add</i>	6,039.68	
<i>For K20 Factor Rating, Add</i>	7,851.58	
26 22 13 00-0122 EA 112.5 KVA, 480 x 480 Y / 277 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry	9,529.61	955.71
<i>For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add</i>	380.91	
<i>For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add</i>	571.36	
<i>For K4 Factor Rating, Add</i>	5,332.73	
<i>For K13 Factor Rating, Add</i>	7,618.19	
<i>For K20 Factor Rating, Add</i>	9,903.65	
26 22 13 00-0123 EA 150 KVA, 480 x 480 Y / 277 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry	11,371.77	1,061.90
<i>For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add</i>	462.40	
<i>For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add</i>	693.60	
<i>For K4 Factor Rating, Add</i>	6,473.58	
<i>For K13 Factor Rating, Add</i>	9,247.97	
<i>For K20 Factor Rating, Add</i>	12,022.36	
26 22 13 00-0124 EA 225 KVA, 480 x 480 Y / 277 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry	14,536.60	1,327.37
<i>For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add</i>	594.09	
<i>For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add</i>	891.14	
<i>For K4 Factor Rating, Add</i>	8,317.30	
<i>For K13 Factor Rating, Add</i>	11,881.85	
<i>For K20 Factor Rating, Add</i>	15,446.41	
26 22 13 00-0125 EA 300 KVA, 480 x 480 Y / 277 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry	17,712.62	1,645.95
<i>For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add</i>	721.04	
<i>For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add</i>	1,081.56	
<i>For K4 Factor Rating, Add</i>	10,094.52	
<i>For K13 Factor Rating, Add</i>	14,420.74	
<i>For K20 Factor Rating, Add</i>	18,746.96	
26 22 13 00-0126 EA 500 KVA, 480 x 480 Y / 277 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry	27,720.52	2,017.61
<i>For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add</i>	1,184.27	
<i>For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add</i>	1,776.40	
<i>For K4 Factor Rating, Add</i>	16,579.71	
<i>For K13 Factor Rating, Add</i>	23,685.30	
<i>For K20 Factor Rating, Add</i>	30,790.89	
26 22 13 00-0127 3 Phase 60 Hz K20 Dry Type Transformers (26 22 13 00-0056)		
26 22 13 00-0128 3 Phase 60 Hz K20 Dry Type Transformers, 115 C Rise (26 22 13 00-0127)		
Note: 220 C insulation 480 V-208 Y/120 V. 2-2.5 Percent above and 4-2.5 percent taps below.		
26 22 13 00-0129 EA 15 KVA, 480 Volt - 208 Y / 120 Volt Transformer, 3 Phase, 60 Hertz, K20	2,525.18	477.85
26 22 13 00-0130 EA 30 KVA, 480 Volt - 208 Y / 120 Volt Transformer, 3 Phase, 60 Hertz, K20	3,654.22	584.05
26 22 13 00-0131 EA 45 KVA, 480 Volt - 208 Y / 120 Volt Transformer, 3 Phase, 60 Hertz, K20	5,166.20	690.24
26 22 13 00-0132 EA 75 KVA, 480 Volt - 208 Y / 120 Volt Transformer, 3 Phase, 60 Hertz, K20	6,500.27	796.42
26 22 13 00-0133 EA 112.5 KVA, 480 Volt - 208 Y / 120 Volt Transformer, 3 Phase, 60 Hertz, K20	9,481.37	955.71
26 22 13 00-0134 EA 150 KVA, 480 Volt - 208 Y / 120 Volt Transformer, 3 Phase, 60 Hertz, K20	11,413.98	1,061.90
26 22 13 00-0135 EA 225 KVA, 480 Volt - 208 Y / 120 Volt Transformer, 3 Phase, 60 Hertz, K20	13,383.24	1,327.37
26 22 13 00-0136 EA 300 KVA, 480 Volt - 208 Y / 120 Volt Transformer, 3 Phase, 60 Hertz, K20	20,711.35	1,645.95
26 22 13 00-0137 3 Phase 60 Hz K20 Dry Type Transformers, 80 C Rise (26 22 13 00-0127)		
Note: 220 C insulation 480 V-208 Y/120 V. 2-2.5 Percent above and 4-2.5 percent taps below.		
26 22 13 00-0138 EA 15 KVA, 480 Volt - 208 Y / 120 Volt Transformer, 3 Phase, 60 Hertz, K20	2,840.28	477.85
26 22 13 00-0139 EA 30 KVA, 480 Volt - 208 Y / 120 Volt Transformer, 3 Phase, 60 Hertz, K20	4,151.74	584.05
26 22 13 00-0140 EA 45 KVA, 480 Volt - 208 Y / 120 Volt Transformer, 3 Phase, 60 Hertz, K20	5,923.04	690.24
26 22 13 00-0141 EA 75 KVA, 480 Volt - 208 Y / 120 Volt Transformer, 3 Phase, 60 Hertz, K20	7,480.25	796.42
26 22 13 00-0142 EA 112.5 KVA, 480 Volt - 208 Y / 120 Volt Transformer, 3 Phase, 60 Hertz, K20	10,995.06	955.71
26 22 13 00-0143 EA 150 KVA, 480 Volt - 208 Y / 120 Volt Transformer, 3 Phase, 60 Hertz, K20	13,272.93	1,061.90
26 22 13 00-0144 EA 225 KVA, 480 Volt - 208 Y / 120 Volt Transformer, 3 Phase, 60 Hertz, K20	15,528.64	1,327.37
26 22 13 00-0145 EA 300 KVA, 480 Volt - 208 Y / 120 Volt Transformer, 3 Phase, 60 Hertz, K20	24,195.55	1,645.95



	Electrical	26
	Low-Voltage Electrical Distribution	26 20
	Low-Voltage Transformers	26 22

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 22 13 00-0146	NEMA Premium Efficient Dry Type Transformers <small>(26 22 13 00-0056)</small>	
26 22 13 00-0147	Aluminum Windings, NEMA Premium Efficient Dry Type Transformers <small>(26 22 13 00-0146)</small>	
	Note: Two taps at 2.5%, four at -2.5%.	
26 22 13 00-0148	150 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformers <small>(26 22 13 00-0147)</small>	
26 22 13 00-0149 EA	15 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer.....	3,041.48 470.95
26 22 13 00-0150 EA	30 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer.....	3,710.34 575.61
26 22 13 00-0151 EA	45 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer.....	4,470.16 680.27
26 22 13 00-0152 EA	75 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer.....	5,976.05 784.92
26 22 13 00-0153 EA	112.5 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer.....	7,973.43 941.90
26 22 13 00-0154 EA	150 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer.....	9,893.78 1,046.56
26 22 13 00-0155 EA	225 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer.....	13,101.60 1,308.21
26 22 13 00-0156 EA	300 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer.....	18,399.28 1,622.18
26 22 13 00-0157	115 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformers <small>(26 22 13 00-0147)</small>	
26 22 13 00-0158 EA	15 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer.....	3,673.19 470.95
26 22 13 00-0159 EA	30 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer.....	4,475.52 575.61
26 22 13 00-0160 EA	45 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer.....	5,403.26 680.27
26 22 13 00-0161 EA	75 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer.....	7,298.12 784.92
26 22 13 00-0162 EA	112.5 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer.....	9,338.01 941.90
26 22 13 00-0163 EA	150 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer.....	12,233.97 1,046.56
26 22 13 00-0164 EA	225 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer.....	16,247.36 1,308.21
26 22 13 00-0165 EA	300 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer.....	22,945.76 1,622.18
26 22 13 00-0166	80 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformers <small>(26 22 13 00-0147)</small>	
26 22 13 00-0167 EA	15 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer.....	4,302.35 470.95
26 22 13 00-0168 EA	30 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer.....	5,242.84 575.61
26 22 13 00-0169 EA	45 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer.....	6,336.37 680.27
26 22 13 00-0170 EA	75 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer.....	8,618.07 784.92
26 22 13 00-0171 EA	112.5 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer.....	11,059.67 941.90
26 22 13 00-0172 EA	150 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer.....	14,574.16 1,046.56
26 22 13 00-0173 EA	225 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer.....	19,393.13 1,308.21
26 22 13 00-0174 EA	300 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer.....	27,492.25 1,622.18
26 22 13 00-0175	Copper Windings, NEMA Premium Efficient Dry Type Transformers <small>(26 22 13 00-0146)</small>	
	Note: Two taps at 2.5%, four at -2.5%.	
26 22 13 00-0176	150 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformers <small>(26 22 13 00-0175)</small>	
26 22 13 00-0177 EA	15 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer.....	4,091.91 470.95
26 22 13 00-0178 EA	30 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer.....	4,987.78 575.61
26 22 13 00-0179 EA	45 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer.....	6,023.91 680.27
26 22 13 00-0180 EA	75 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer.....	8,178.08 784.92
26 22 13 00-0181 EA	112.5 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer.....	11,085.18 941.90

26 Electrical
26 20 Low-Voltage Electrical Distribution
26 22 Low-Voltage Transformers



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 22 13 00-0182	EA		150 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer.....	13,874.87	1,046.56
26 22 13 00-0183	EA		225 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer.....	18,451.52	1,308.21
26 22 13 00-0184	EA		300 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer.....	26,134.04	1,622.18
26 22 13 00-0185 115 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformers (26 22 13 00-0175)					
26 22 13 00-0186	EA		15 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer.....	4,721.07	470.95
26 22 13 00-0187	EA		30 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer.....	5,755.09	575.61
26 22 13 00-0188	EA		45 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer.....	6,957.02	680.27
26 22 13 00-0189	EA		75 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer.....	9,500.16	784.92
26 22 13 00-0190	EA		112.5 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer.....	14,435.00	941.90
26 22 13 00-0191	EA		150 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer.....	18,181.16	1,046.56
26 22 13 00-0192	EA		225 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer.....	23,204.18	1,308.21
26 22 13 00-0193	EA		300 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer.....	34,527.71	1,622.18
26 22 13 00-0194 80 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformers (26 22 13 00-0175)					
26 22 13 00-0195	EA		15 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer.....	5,352.35	470.95
26 22 13 00-0196	EA		30 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer.....	6,522.40	575.61
26 22 13 00-0197	EA		45 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer.....	7,890.12	680.27
26 22 13 00-0198	EA		75 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer.....	10,820.10	784.92
26 22 13 00-0199	EA		112.5 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer.....	17,125.90	941.90
26 22 13 00-0200	EA		150 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer.....	22,085.74	1,046.56
26 22 13 00-0201	EA		225 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer.....	27,954.71	1,308.21
26 22 13 00-0202	EA		300 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer.....	41,231.58	1,622.18
26 22 13 00-0203 3 Phase Weathershields (26 22 13 00-0056) Note: Use with type DT-3 and DS-3.					
26 22 13 00-0204	EA		45-112.5 KVA 3 Phase Weathershields With DT-3, DS-3, Set Of 2.....	414.61	
26 22 13 00-0205	EA		150-300 KVA 3 Phase Weathershields With DT-3, DS-3, Set Of 2.....	704.08	
26 22 13 00-0206	EA		500-1,000 KVA 3 Phase Weathershields With DT-3, DS-3, Set Of 2.....	704.08	
26 22 13 00-0207 Three Phase Mounting Brackets (26 22 13 00-0056)					
26 22 13 00-0208	EA		3 Phase Mounting Brackets (Set Of 2) For Transformers Up To 112.5 KVA.....	600.75	189.72
26 22 13 00-0209 Pad Mounted Commercial Type Distribution Transformers UL Listed (26 22 13)					
26 22 13 00-0210 Distribution 3 Phase Oil Filled Transformer (26 22 13 00-0209) Note: Designed for loads as shopping centers, institutions, and industrial plants with underground distribution. KVA-75 thru 1000, 3 phase 95 thru 150 KV BIL standard features. With taps 4-1/2 percent below - 2-1/2 percent above and below.					
26 22 13 00-0211 Factory Modifications (26 22 13 00-0210) Note: For use with series 4100 3 phase transformers.					
26 22 13 00-0212	EA		Current Limiting Fuse 95 KV Series 4100, 3 Phase Transformer, Factory Modification.....	759.71	
26 22 13 00-0213	EA		Lightning Arrestors 9-10 KV Series 4100, 3 Phase Transformer, Factory Modification.....	123.54	
26 22 13 00-0214	EA		Loadbreaker Oil Switch, 2 Position Series 4100, 3 Phase Transformer, Factory Modification.....	494.15	
26 22 13 00-0215	EA		Loop Feed Air Switch Series 4100, 3 Phase Transformer, Factory Modification.....	1,423.67	
26 22 13 00-0216	EA		Loadbreaker Inserts Series 4100, 3 Phase Transformer, Factory Modification.....	174.41	
26 22 13 00-0217	EA		Lightning Arrestors, 15 KV Series 4100, 3 Phase Transformer, Factory Modification.....	138.07	
26 22 13 00-0218 Accessories For Transformer Liquid Containment Area (26 22 13 00-0210) Note: Reinforced concrete curb with 6" slab.					
26 22 13 00-0219	EA		Containment Area For 75 KVA.....	4,555.57	1,732.78
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,155.20	
26 22 13 00-0220	EA		Containment Area For 112.5 KVA.....	4,555.57	1,732.78
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,155.20	



Electrical	26
Low-Voltage Electrical Distribution	26 20
Low-Voltage Transformers	26 22

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 22 13 00-0221 EA Containment Area For 150 KVA <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4,555.57 1,155.20	1,732.78
26 22 13 00-0222 EA Containment Area For 225 KVA <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4,555.57 1,155.20	1,732.78
26 22 13 00-0223 EA Containment Area For 300 KVA <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4,549.36 1,153.34	1,732.78
26 22 13 00-0224 EA Containment Area For 500 KVA <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4,549.36 1,153.34	1,732.78
26 22 13 00-0225 EA Containment Area For 750 KVA <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4,569.71 1,153.34	1,732.78
26 22 13 00-0226 EA Containment Area For 1,000 KVA <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4,864.74 1,153.34	1,732.78
26 22 13 00-0227 Primary, 4.16/4.8 KV Ground Y Or Delta 480 Y / 277 Volt, 480 Volt, 95 KV BIL <small>(26 22 13 00-0210)</small> Note: 7.2 Thru 14.4 KV secondary. Rated to 5 KVA.		
26 22 13 00-0228 EA 45 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 480 Y / 277 Volt, 480 Volt, 3 Phase, Oil Transformer, Pad Mounted.....	5,766.04	1,255.88
26 22 13 00-0229 EA 75 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 480 Y / 277 Volt, 480 Volt, 3 Phase, Oil Transformer, Pad Mounted.....	6,202.06	1,255.88
26 22 13 00-0230 EA 112.5 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 480 Y / 277 Volt, 480 Volt, 3 Phase, Oil Transformer, Pad Mounted.....	6,492.73	1,255.88
26 22 13 00-0231 EA 150 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 480 Y / 277 Volt, 480 Volt, 3 Phase, Oil Transformer, Pad Mounted.....	7,364.76	1,255.88
26 22 13 00-0232 EA 225 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 480 Y / 277 Volt, 480 Volt, 3 Phase, Oil Transformer, Pad Mounted.....	8,353.43	1,883.82
26 22 13 00-0233 EA 300 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 480 Y / 277 Volt, 480 Volt, 3 Phase, Oil Transformer, Pad Mounted.....	8,644.10	1,883.82
26 22 13 00-0234 EA 500 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 480 Y / 277 Volt, 480 Volt, 3 Phase, Oil Transformer, Pad Mounted.....	12,132.21	1,883.82
26 22 13 00-0235 EA 750 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 480 Y / 277 Volt, 480 Volt, 3 Phase, Oil Transformer, Pad Mounted.....	15,601.56	2,511.76
26 22 13 00-0236 EA 1,000 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 480 Y / 277 Volt, 480 Volt, 3 Phase, Oil Transformer, Pad Mounted.....	19,380.34	2,511.76
26 22 13 00-0237 Primary, 4.16/4.8 KV Ground Y Or Delta 208 Y / 120 Volt, 95 BIL <small>(26 22 13 00-0210)</small> Note: 7.2 Thru 14.4 KV secondary. Rated to 5 KVA.		
26 22 13 00-0238 EA 45 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 208 Y / 120 Volt, 3 Phase, Oil Transformer, Pad Mounted.....	5,911.38	1,255.88
26 22 13 00-0239 EA 75 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 208 Y / 120 Volt, 3 Phase, Oil Transformer, Pad Mounted.....	6,492.73	1,255.88
26 22 13 00-0240 EA 112.5 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 208 Y / 120 Volt, 3 Phase, Oil Transformer, Pad Mounted.....	6,638.07	1,255.88
26 22 13 00-0241 EA 150 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 208 Y / 120 Volt, 3 Phase, Oil Transformer, Pad Mounted.....	6,783.41	1,255.88
26 22 13 00-0242 EA 225 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 208 Y / 120 Volt, 3 Phase, Oil Transformer, Pad Mounted.....	8,353.43	1,883.82
26 22 13 00-0243 EA 300 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 208 Y / 120 Volt, 3 Phase, Oil Transformer, Pad Mounted.....	8,934.78	1,883.82
26 22 13 00-0244 EA 500 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 208 Y / 120 Volt, 3 Phase, Oil Transformer, Pad Mounted.....	12,132.21	1,883.82
26 22 13 00-0245 EA 750 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 208 Y / 120 Volt, 3 Phase, Oil Transformer, Pad Mounted.....	15,746.89	2,511.76
26 22 13 00-0246 EA 1,000 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 208 Y / 120 Volt, 3 Phase, Oil Transformer, Pad Mounted.....	19,380.34	2,511.76
26 22 13 00-0247 Primary 5 KV Or 15 KV, Secondary 277/480 Volt <small>(26 22 13 00-0209)</small> Note: 4-2.5 Percent taps FCAN and FCBN. Pad mounted.		
26 22 13 00-0248 EA 150 KVA Transformer Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, Oil Filled, 3 Phase	9,878.15	1,631.68
26 22 13 00-0249 EA 225 KVA Transformer Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, Oil Filled, 3 Phase	11,015.30	1,926.23
26 22 13 00-0250 EA 300 KVA Transformer Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, Oil Filled, 3 Phase	12,675.48	2,354.29
26 22 13 00-0251 EA 500 KVA Transformer Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, Oil Filled, 3 Phase	14,860.90	2,648.84
26 22 13 00-0252 EA 750 KVA Transformer Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, Oil Filled, 3 Phase	17,512.57	2,788.17
26 22 13 00-0253 EA 1,000 KVA Transformer Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, Oil Filled, 3 Phase	22,315.37	4,073.91
26 22 13 00-0254 EA 1,500 KVA Transformer Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, Oil Filled, 3 Phase	25,910.12	4,608.97
26 22 13 00-0255 EA 2,000 KVA Transformer Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, Oil Filled, 3 Phase	31,735.14	5,297.66
26 22 13 00-0256 EA 2,500 KVA Transformer Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, Oil Filled, 3 Phase	34,582.39	5,562.55
26 22 13 00-0257 EA 3,000 KVA Transformer Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, Oil Filled, 3 Phase	37,065.67	6,198.48
26 22 13 00-0258 EA 3,750 KVA Transformer Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, Oil Filled, 3 Phase	41,790.08	6,622.29
26 22 13 00-0259 Pad Mounted Transformer 15 KV - 480 Volt, Oil Filled <small>(26 22 13 00-0209)</small>		
26 22 13 00-0260 EA 1,500 KVA Pad Mounted Transformer, 15 KV - 480 Volt, Oil Filled.....	36,576.01	4,664.02
26 22 13 00-0261 EA 2,000 KVA Pad Mounted Transformer, 15 KV - 480 Volt, Oil Filled.....	44,561.60	5,363.65
26 22 13 00-0262 EA 2,500 KVA Pad Mounted Transformer, 15 KV - 480 Volt, Oil Filled.....	50,131.47	5,645.91
26 22 13 00-0263 EA 3,000 KVA Pad Mounted Transformer, 15 KV - 480 Volt, Oil Filled.....	53,618.30	6,310.17
26 22 13 00-0264 EA 3,750 KVA Pad Mounted Transformer, 15 KV - 480 Volt, Oil Filled.....	59,432.25	6,501.38

26 Electrical
26 20 Low-Voltage Electrical Distribution
26 22 Low-Voltage Transformers



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 22 13 00-0265 Silicone Filled Distribution Transformers, 3 Phase (26 22 13 00-0209)
 Note: Primary 5 KV or 15 KV, secondary 277/480 V, 4-2.5 percent taps FCAN and FCBN. Pad mounted.

26 22 13 00-0266 EA	225 KVA Transformer Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, Silicon Filled, 3 Phase	15,621.44	1,926.23
26 22 13 00-0267 EA	300 KVA Transformer Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, Silicon Filled, 3 Phase	17,225.99	2,354.29
26 22 13 00-0268 EA	500 KVA Transformer Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, Silicon Filled, 3 Phase	20,020.88	2,648.84
26 22 13 00-0269 EA	750 KVA Transformer Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, Silicon Filled, 3 Phase	23,586.75	2,788.17
26 22 13 00-0270 EA	1,000 KVA Transformer Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, Silicon Filled, 3 Phase	29,447.57	4,073.91
26 22 13 00-0271 EA	1,500 KVA Transformer Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, Silicon Filled, 3 Phase	36,480.02	4,608.97
26 22 13 00-0272 EA	2,000 KVA Transformer Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, Silicon Filled, 3 Phase	43,945.14	5,297.66
26 22 13 00-0273 EA	2,500 KVA Transformer Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, Silicon Filled, 3 Phase	49,468.39	5,562.55

26 22 13 00-0274 Foam Core Poly Transformer Pads (26 22 13)

26 22 13 00-0275 EA	Single Phase Foam Core Poly Pads.....	147.42	33.97
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Note: Excludes site prep.

26 24 Switchboards And Panelboards (26 20)

26 24 13 Switchboards (26 24)

Note: Installation of free-standing building distribution switchboards. Switchboard sections to be mounted on 4" concrete pad. Includes material, handling, unloading at job site, assembly and installation, wiring connections, testing and cleanup. Exclude concrete pad and foundation.

26 24 13 00-0001 Fusible Switch Type 240 Volt, 3 Phase, 3 Wire (26 24 13)

26 24 13 00-0002 Incoming Service Section Main Device Only (26 24 13 00-0001)
 Note: Copper bus, non-metering type, with fuses.

26 24 13 00-0003 EA	400 Amp Distribution Switchboard With Main Switch, 240 Volt, 3 Phase, 4 Wire	3,801.39	907.58
26 24 13 00-0004 EA	600 Amp Distribution Switchboard With Main Switch, 240 Volt, 3 Phase, 4 Wire	4,215.29	959.98
26 24 13 00-0005 EA	800 Amp Distribution Switchboard With Main Switch, 240 Volt, 3 Phase, 4 Wire	6,889.36	1,088.95
26 24 13 00-0006 EA	1,200 Amp Distribution Switchboard With Main Switch, 240 Volt, 3 Phase, 4 Wire	7,422.27	1,167.40
26 24 13 00-0007 EA	1,600 Amp Distribution Switchboard With Main Switch, 240 Volt, 3 Phase, 4 Wire	12,019.94	1,244.69
26 24 13 00-0008 EA	2,000 Amp Distribution Switchboard With Main Switch, 240 Volt, 3 Phase, 4 Wire	13,415.20	1,323.45
26 24 13 00-0009 EA	400 Amp Distribution Switchboard With MC Main Breaker, 240 Volt, 3 Phase, 4 Wire.....	4,635.97	907.58
26 24 13 00-0010 EA	600 Amp Distribution Switchboard With MC Main Breaker, 240 Volt, 3 Phase, 4 Wire.....	5,974.17	959.98
26 24 13 00-0011 EA	800 Amp Distribution Switchboard With MC Main Breaker, 240 Volt, 3 Phase, 4 Wire.....	8,370.61	1,089.89
26 24 13 00-0012 EA	1,200 Amp Distribution Switchboard With MC Main Breaker, 240 Volt, 3 Phase, 4 Wire.....	11,507.15	1,167.40
26 24 13 00-0013 EA	1,600 Amp Distribution Switchboard With MC Main Breaker, 240 Volt, 3 Phase, 4 Wire.....	12,019.94	1,245.94
26 24 13 00-0014 EA	2,000 Amp Distribution Switchboard With MC Main Breaker, 240 Volt, 3 Phase, 4 Wire.....	13,415.20	1,323.45
26 24 13 00-0015 EA	2,500 Amp Distribution Switchboard With MC Main Breaker, 240 Volt, 3 Phase, 4 Wire.....	16,159.81	1,383.62
26 24 13 00-0016 EA	3,000 Amp Distribution Switchboard With MC Main Breaker, 240 Volt, 3 Phase, 4 Wire.....	18,332.11	1,482.30
26 24 13 00-0017 EA	4,000 Amp Distribution Switchboard With MC Main Breaker, 240 Volt, 3 Phase, 4 Wire.....	21,667.12	1,597.89
26 24 13 00-0018 EA	400 Amp Distribution Switchboard With Main Lug, 240 Volt, 3 Phase, 4 Wire.....	2,547.32	804.14
26 24 13 00-0019 EA	600 Amp Distribution Switchboard With Main Lug, 240 Volt, 3 Phase, 4 Wire.....	2,820.46	856.12
26 24 13 00-0020 EA	800 Amp Distribution Switchboard With Main Lug, 240 Volt, 3 Phase, 4 Wire.....	3,229.70	985.50
26 24 13 00-0021 EA	1,000 Amp Distribution Switchboard With Main Lug, 240 Volt, 3 Phase, 4 Wire.....	3,487.48	1,026.91
26 24 13 00-0022 EA	1,200 Amp Distribution Switchboard With Main Lug, 240 Volt, 3 Phase, 4 Wire.....	3,719.19	1,063.94
26 24 13 00-0023 EA	1,600 Amp Distribution Switchboard With Main Lug, 240 Volt, 3 Phase, 4 Wire.....	4,080.01	1,140.73
26 24 13 00-0024 EA	2,000 Amp Distribution Switchboard With Main Lug, 240 Volt, 3 Phase, 4 Wire.....	4,412.55	1,218.96

26 24 13 00-0025 Branch Breaker Units (26 24 13 00-0001)
 Note: Includes branch breaker(s) and portion of distribution section occupied by that breaker. 240 V, 3 pole. Use upper range to determine breaker unless designing for future expansion.

26 24 13 00-0026 EA	15 - 60 Amp MC Branch Breaker, 240 Volt.....	334.15	31.65
EA	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	18.99	
26 24 13 00-0027 EA	70 - 100 Amp MC Branch Breaker, 240 Volt.....	488.97	49.81
EA	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	29.88	
26 24 13 00-0028 EA	125 - 225 Amp MC Branch Breaker, 240 Volt.....	1,320.87	90.79
EA	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	54.47	
26 24 13 00-0029 EA	100 - 400 Amp MC Branch Breaker, 240 Volt.....	2,352.65	118.28
EA	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	70.97	
26 24 13 00-0030 EA	300 - 600 Amp MC Branch Breaker, 240 Volt.....	4,176.60	290.53
EA	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	174.29	
26 24 13 00-0031 EA	400 - 800 Amp MC Branch Breaker, 240 Volt.....	6,717.58	290.53
EA	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	174.29	
26 24 13 00-0032 EA	600 - 1,200 Amp MC Branch Breaker, 240 Volt.....	10,882.89	517.76
EA	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	310.66	

26 24 13 00-0033 Fusible Switch Type 480 Volt, 3 Phase, 3 Wire (26 24 13)

26 24 13 00-0034 Incoming Service Section Main Device Only (26 24 13 00-0033)
 Note: Copper bus, non-metering type, with fuses.

26 24 13 00-0035 EA	400 Amp Distribution Switchboard With Main Switch, 480 Volt, 3 Phase, 3 Wire	5,389.09	1,177.67
26 24 13 00-0036 EA	600 Amp Distribution Switchboard With Main Switch, 480 Volt, 3 Phase, 3 Wire	6,030.83	1,177.67
26 24 13 00-0037 EA	800 Amp Distribution Switchboard With Main Switch, 480 Volt, 3 Phase, 3 Wire	9,022.95	1,530.45
26 24 13 00-0038 EA	1,200 Amp Distribution Switchboard With Main Switch, 480 Volt, 3 Phase, 3 Wire	10,240.84	1,530.45

26 24 13 00-0039 Fusible Switch Type 120/240 Volt, 1 Phase, 3 Wire (26 24 13)



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 13 00-0040 Incoming Service Section Main Device Only (26 24 13 00-0039) Note: Copper bus, non-metering type, with fuses.		
26 24 13 00-0041 EA 200/400 Amp Distribution Switchboard With Main Switch, 120 / 240 Volt, 1 Phase, 3 Wire.....	3,422.91	804.14
26 24 13 00-0042 EA 600 Amp Distribution Switchboard With Main Switch, 120 / 240 Volt, 1 Phase, 3 Wire.....	3,818.12	856.12
26 24 13 00-0043 EA 800 Amp Distribution Switchboard With Main Switch, 120 / 240 Volt, 1 Phase, 3 Wire.....	5,907.00	985.50
26 24 13 00-0044 EA 1,200 Amp Distribution Switchboard With Main Switch, 120 / 240 Volt, 1 Phase, 3 Wire.....	6,419.30	1,063.12
26 24 13 00-0045 EA 200/400 Amp Distribution Switchboard With MC Main Breaker, 120 / 240 Volt, 1 Phase, 3 Wire.....	4,215.17	804.14
26 24 13 00-0046 EA 600 Amp Distribution Switchboard With MC Main Breaker, 120 / 240 Volt, 1 Phase, 3 Wire.....	5,351.85	856.12
26 24 13 00-0047 EA 800 Amp Distribution Switchboard With MC Main Breaker, 120 / 240 Volt, 1 Phase, 3 Wire.....	7,552.46	985.50
26 24 13 00-0048 EA 1,200 Amp Distribution Switchboard With MC Main Breaker, 120 / 240 Volt, 1 Phase, 3 Wire.....	10,907.08	1,063.12
26 24 13 00-0049 EA 2,000 Amp Distribution Switchboard With MC Main Breaker, 120 / 240 Volt, 1 Phase, 3 Wire.....	12,814.39	1,193.23
26 24 13 00-0050 EA 200/400 Amp Distribution Switchboard With Main Lug, 120 / 240 Volt, 1 Phase, 3 Wire.....	2,372.33	700.27
26 24 13 00-0051 EA 600 Amp Distribution Switchboard With Main Lug, 120 / 240 Volt, 1 Phase, 3 Wire.....	2,664.24	752.35
26 24 13 00-0052 EA 800 Amp Distribution Switchboard With Main Lug, 120 / 240 Volt, 1 Phase, 3 Wire.....	3,127.86	881.75
26 24 13 00-0053 EA 1,000 Amp Distribution Switchboard With Main Lug, 120 / 240 Volt, 1 Phase, 3 Wire.....	3,371.52	923.14
26 24 13 00-0054 EA 1,200 Amp Distribution Switchboard With Main Lug, 120 / 240 Volt, 1 Phase, 3 Wire.....	3,607.82	959.98
26 24 13 00-0055 EA 1,600 Amp Distribution Switchboard With Main Lug, 120 / 240 Volt, 1 Phase, 3 Wire.....	3,917.66	1,026.91
26 24 13 00-0056 EA 2,000 Amp Distribution Switchboard With Main Lug, 120 / 240 Volt, 1 Phase, 3 Wire.....	4,221.26	1,088.95
26 24 13 00-0057 EA 2,500 Amp Distribution Switchboard With Main Lug, 120 / 240 Volt, 1 Phase, 3 Wire.....	5,240.60	1,348.87
26 24 13 00-0058 EA 3,000 Amp Distribution Switchboard With Main Lug, 120 / 240 Volt, 1 Phase, 3 Wire.....	5,871.18	1,478.56
26 24 13 00-0059 EA 4,000 Amp Distribution Switchboard With Main Lug, 120 / 240 Volt, 1 Phase, 3 Wire.....	6,933.73	1,595.29
26 24 13 00-0060 Branch Breaker Units (26 24 13 00-0039) Note: Includes branch breaker(s) and portion of distribution section occupied by that breaker. 240 V, 2 pole. Use upper range to determine breaker unless designing for future expansion.		
26 24 13 00-0061 EA 15 - 60 Amp MC Branch Breaker, 120 / 240 Volt.....	177.89	27.50
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16.50	
26 24 13 00-0062 EA 70 - 100 Amp MC Branch Breaker, 120 / 240 Volt.....	282.26	45.65
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	27.39	
26 24 13 00-0063 EA 125 - 225 Amp MC Branch Breaker, 120 / 240 Volt.....	872.49	63.81
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	38.29	
26 24 13 00-0064 EA 100 - 400 Amp MC Branch Breaker, 120 / 240 Volt.....	2,525.47	81.97
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	49.18	
26 24 13 00-0065 EA 300 - 600 Amp MC Branch Breaker, 120 / 240 Volt.....	3,966.30	199.74
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	119.83	
26 24 13 00-0066 EA 400 - 800 Amp MC Branch Breaker, 120 / 240 Volt.....	5,652.39	199.74
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	119.83	
26 24 13 00-0067 EA 600 - 1,200 Amp MC Branch Breaker, 120 / 240 Volt.....	9,311.66	381.31
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	228.81	
26 24 13 00-0068 Fusible Switch Type 120/208 Volt, 3 Phase, 4 Wire (26 24 13)		
26 24 13 00-0069 Incoming Service Section Main Device Only (26 24 13 00-0068) Note: Copper bus, non-metering type, with fuses.		
26 24 13 00-0070 EA 400 Amp Distribution Switchboard With Main Switch, 120 / 208 Volt, 3 Phase, 4 Wire.....	3,802.65	907.58
26 24 13 00-0071 EA 600 Amp Distribution Switchboard With Main Switch, 120 / 208 Volt, 3 Phase, 4 Wire.....	4,213.87	959.98
26 24 13 00-0072 EA 800 Amp Distribution Switchboard With Main Switch, 120 / 208 Volt, 3 Phase, 4 Wire.....	6,887.52	1,088.95
26 24 13 00-0073 EA 1,200 Amp Distribution Switchboard With Main Switch, 120 / 208 Volt, 3 Phase, 4 Wire.....	7,420.16	1,167.40
26 24 13 00-0074 EA 1,600 Amp Distribution Switchboard With Main Switch, 120 / 208 Volt, 3 Phase, 4 Wire.....	12,015.15	1,244.69
26 24 13 00-0075 EA 2,000 Amp Distribution Switchboard With Main Switch, 120 / 208 Volt, 3 Phase, 4 Wire.....	13,415.20	1,323.45
26 24 13 00-0076 EA 400 Amp Distribution Switchboard With MC Main Breaker, 120 / 208 Volt, 3 Phase, 4 Wire.....	4,637.23	907.58
26 24 13 00-0077 EA 600 Amp Distribution Switchboard With MC Main Breaker, 120 / 208 Volt, 3 Phase, 4 Wire.....	5,972.75	959.98
26 24 13 00-0078 EA 800 Amp Distribution Switchboard With MC Main Breaker, 120 / 208 Volt, 3 Phase, 4 Wire.....	8,370.61	1,089.89
26 24 13 00-0079 EA 1,200 Amp Distribution Switchboard With MC Main Breaker, 120 / 208 Volt, 3 Phase, 4 Wire.....	11,505.04	1,167.40
26 24 13 00-0080 EA 1,600 Amp Distribution Switchboard With MC Main Breaker, 120 / 208 Volt, 3 Phase, 4 Wire.....	12,017.54	1,245.94
26 24 13 00-0081 EA 2,000 Amp Distribution Switchboard With MC Main Breaker, 120 / 208 Volt, 3 Phase, 4 Wire.....	13,415.20	1,323.45
26 24 13 00-0082 EA 400 Amp Distribution Switchboard With Main Lug, 120 / 208 Volt, 3 Phase, 4 Wire.....	2,679.74	804.14
26 24 13 00-0083 EA 600 Amp Distribution Switchboard With Main Lug, 120 / 208 Volt, 3 Phase, 4 Wire.....	3,003.85	856.12
26 24 13 00-0084 EA 800 Amp Distribution Switchboard With Main Lug, 120 / 208 Volt, 3 Phase, 4 Wire.....	3,504.83	985.50
26 24 13 00-0085 EA 1,000 Amp Distribution Switchboard With Main Lug, 120 / 208 Volt, 3 Phase, 4 Wire.....	3,777.15	1,026.91
26 24 13 00-0086 EA 1,200 Amp Distribution Switchboard With Main Lug, 120 / 208 Volt, 3 Phase, 4 Wire.....	4,040.88	1,063.94
26 24 13 00-0087 EA 1,600 Amp Distribution Switchboard With Main Lug, 120 / 208 Volt, 3 Phase, 4 Wire.....	4,389.03	1,140.73
26 24 13 00-0088 EA 2,000 Amp Distribution Switchboard With Main Lug, 120 / 208 Volt, 3 Phase, 4 Wire.....	4,741.93	1,218.96
26 24 13 00-0089 EA 2,500 Amp Distribution Switchboard With Main Lug, 120 / 208 Volt, 3 Phase, 4 Wire.....	5,640.13	1,385.19
26 24 13 00-0090 EA 3,000 Amp Distribution Switchboard With Main Lug, 120 / 208 Volt, 3 Phase, 4 Wire.....	6,249.63	1,482.20
26 24 13 00-0091 EA 4,000 Amp Distribution Switchboard With Main Lug, 120 / 208 Volt, 3 Phase, 4 Wire.....	7,407.41	1,592.70
26 24 13 00-0092 Branch Breaker Units (26 24 13 00-0068) Note: Includes branch breaker(s) and portion of distribution section occupied by that breaker. 120/208 V, 3 pole. Use upper range to determine breaker unless designing for future expansion.		
26 24 13 00-0093 EA 15 - 60 Amp MC Branch Breaker, 120/208 Volt.....	334.15	31.65
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18.99	
26 24 13 00-0094 EA 70 - 100 Amp MC Branch Breaker, 120/208 Volt.....	488.97	49.81
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	29.88	
26 24 13 00-0095 EA 125 - 225 Amp MC Branch Breaker, 120/208 Volt.....	1,320.87	90.79
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	54.47	
26 24 13 00-0096 EA 100 - 400 Amp MC Branch Breaker, 120/208 Volt.....	2,352.65	118.28
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	70.97	

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 24 Switchboards And Panelboards**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 13 00-0097 EA 300 - 600 Amp MC Branch Breaker, 120/208 Volt.....	4,176.60	290.53
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	174.29	
26 24 13 00-0098 EA 400 - 800 Amp MC Branch Breaker, 120/208 Volt.....	6,717.58	290.53
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	174.29	
26 24 13 00-0099 EA 600 - 1,200 Amp MC Branch Breaker, 120/208 Volt.....	10,882.89	517.76
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	310.66	
26 24 13 00-0100 Fusible Switch Type 277/480 Volt, 3 Phase, 4 Wire (26 24 13)		
26 24 13 00-0101 Incoming Service Section Main Device Only (26 24 13 00-0100)		
Note: Copper bus, non-metering type, with fuses.		
26 24 13 00-0102 EA 400 Amp Distribution Switchboard With Main Switch, 480 / 277 Volt, 3 Phase, 4 Wire.....	4,916.98	1,244.69
26 24 13 00-0103 EA 600 Amp Distribution Switchboard With Main Switch, 480 / 277 Volt, 3 Phase, 4 Wire.....	5,404.58	1,323.45
26 24 13 00-0104 EA 800 Amp Distribution Switchboard With Main Switch, 480 / 277 Volt, 3 Phase, 4 Wire.....	7,760.44	1,477.22
26 24 13 00-0105 EA 1,200 Amp Distribution Switchboard With Main Switch, 480 / 277 Volt, 3 Phase, 4 Wire.....	8,489.12	1,581.71
26 24 13 00-0106 EA 400 Amp Distribution Switchboard With MC Main Breaker, 480 / 277 Volt, 3 Phase, 4 Wire.....	6,333.91	1,244.69
26 24 13 00-0107 EA 600 Amp Distribution Switchboard With MC Main Breaker, 480 / 277 Volt, 3 Phase, 4 Wire.....	8,580.39	1,323.45
26 24 13 00-0108 EA 800 Amp Distribution Switchboard With MC Main Breaker, 480 / 277 Volt, 3 Phase, 4 Wire.....	9,725.85	1,478.87
26 24 13 00-0109 EA 1,200 Amp Distribution Switchboard With MC Main Breaker, 480 / 277 Volt, 3 Phase, 4 Wire.....	12,333.61	1,581.71
26 24 13 00-0110 EA 1,600 Amp Distribution Switchboard With MC Main Breaker, 480 / 277 Volt, 3 Phase, 4 Wire.....	12,898.91	1,686.61
26 24 13 00-0111 EA 2,000 Amp Distribution Switchboard With MC Main Breaker, 480 / 277 Volt, 3 Phase, 4 Wire.....	14,351.13	1,791.40
26 24 13 00-0112 EA 400 Amp Distribution Switchboard With Main Lug, 480 / 277 Volt, 3 Phase, 4 Wire.....	2,679.74	804.14
26 24 13 00-0113 EA 600 Amp Distribution Switchboard With Main Lug, 480 / 277 Volt, 3 Phase, 4 Wire.....	3,003.85	856.12
26 24 13 00-0114 EA 800 Amp Distribution Switchboard With Main Lug, 480 / 277 Volt, 3 Phase, 4 Wire.....	3,504.83	985.50
26 24 13 00-0115 EA 1,000 Amp Distribution Switchboard With Main Lug, 480 / 277 Volt, 3 Phase, 4 Wire.....	3,777.15	1,026.91
26 24 13 00-0116 EA 1,200 Amp Distribution Switchboard With Main Lug, 480 / 277 Volt, 3 Phase, 4 Wire.....	4,040.88	1,063.94
26 24 13 00-0117 EA 1,600 Amp Distribution Switchboard With Main Lug, 480 / 277 Volt, 3 Phase, 4 Wire.....	4,389.03	1,140.73
26 24 13 00-0118 EA 2,000 Amp Distribution Switchboard With Main Lug, 480 / 277 Volt, 3 Phase, 4 Wire.....	4,741.93	1,218.96
26 24 13 00-0119 Branch Breaker Units (26 24 13 00-0100)		
Note: Includes branch breaker(s) and portion of distribution section occupied by that breaker. 480 V, 3 pole. Use upper range to determine breaker unless designing for future expansion.		
26 24 13 00-0120 EA 15 - 60 Amp MC Branch Breaker, 480 / 277 Volt.....	698.11	31.65
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18.99	
26 24 13 00-0121 EA 70 - 100 Amp MC Branch Breaker, 480 / 277 Volt.....	802.15	49.81
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	29.88	
26 24 13 00-0122 EA 125 - 225 Amp MC Branch Breaker, 480 / 277 Volt.....	1,454.60	90.79
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	54.47	
26 24 13 00-0123 EA 100 - 400 Amp MC Branch Breaker, 480 / 277 Volt.....	2,352.65	118.28
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	70.97	
26 24 13 00-0124 EA 300 - 600 Amp MC Branch Breaker, 480 / 277 Volt.....	5,635.84	290.53
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	174.29	
26 24 13 00-0125 EA 400 - 800 Amp MC Branch Breaker, 480 / 277 Volt.....	5,766.19	290.53
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	174.29	
26 24 13 00-0126 EA 600 - 1,200 Amp MC Branch Breaker, 480 / 277 Volt.....	9,242.51	517.76
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	310.66	
26 24 13 00-0127 Fusible Branch Circuit Switch (26 24 13)		
Note: Includes switch fuses, and portion of distribution section occupied by that branch device.		
26 24 13 00-0128 240 Volt, 2 Pole Twin Branch Switch Units (26 24 13 00-0127)		
26 24 13 00-0129 EA 30/30 Amp, 240 Volt, 2 Pole Twin Branch Switch Unit.....	709.99	81.46
<i>For Electrical Interlock Kit, Add</i>	295.94	
26 24 13 00-0130 EA 30/60 Amp, 240 Volt, 2 Pole Twin Branch Switch Unit.....	707.46	81.46
<i>For Electrical Interlock Kit, Add</i>	295.94	
26 24 13 00-0131 EA 60/60 Amp, 240 Volt, 2 Pole Twin Branch Switch Unit.....	707.46	81.46
<i>For Electrical Interlock Kit, Add</i>	295.94	
26 24 13 00-0132 EA 60/100 Amp, 240 Volt, 2 Pole Twin Branch Switch Unit.....	1,114.22	107.39
<i>For Electrical Interlock Kit, Add</i>	295.94	
26 24 13 00-0133 EA 100/100 Amp, 240 Volt, 2 Pole Twin Branch Switch Unit.....	1,114.22	107.39
<i>For Electrical Interlock Kit, Add</i>	295.94	
26 24 13 00-0134 240 Volt, 2 Pole Single Branch Switch Units (26 24 13 00-0127)		
26 24 13 00-0135 EA 100 Amp, 240 Volt, 2 Pole Single Branch Switch Unit.....	814.68	79.89
<i>For Electrical Interlock Kit, Add</i>	283.51	
26 24 13 00-0136 EA 200 Amp, 240 Volt, 2 Pole Single Branch Switch Unit.....	1,194.85	79.89
<i>For Electrical Interlock Kit, Add</i>	283.51	
26 24 13 00-0137 EA 400 Amp, 240 Volt, 2 Pole Single Branch Switch Unit.....	3,069.23	215.30
26 24 13 00-0138 240 Volt, 3 Pole Twin Branch Switch Units (26 24 13 00-0127)		
26 24 13 00-0139 EA 30/30 Amp, 240 Volt, 3 Pole Twin Branch Switch Unit.....	912.22	91.82
<i>For Electrical Interlock Kit, Add</i>	295.94	
26 24 13 00-0140 EA 30/60 Amp, 240 Volt, 3 Pole Twin Branch Switch Unit.....	909.68	91.82
<i>For Electrical Interlock Kit, Add</i>	295.94	
26 24 13 00-0141 EA 60/60 Amp, 240 Volt, 3 Pole Twin Branch Switch Unit.....	909.68	91.82
<i>For Electrical Interlock Kit, Add</i>	295.94	
26 24 13 00-0142 EA 60/100 Amp, 240 Volt, 3 Pole Twin Branch Switch Unit.....	1,373.28	122.95
<i>For Electrical Interlock Kit, Add</i>	295.94	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 13 00-0143 EA 100/100 Amp, 240 Volt, 3 Pole Twin Branch Switch Unit <i>For Electrical Interlock Kit, Add</i>	1,373.28 295.94	122.95
26 24 13 00-0144 240 Volt, 3 Pole Single Branch Switch Units (26 24 13 00-0127)		
26 24 13 00-0145 EA 100 Amp, 240 Volt, 3 Pole Single Branch Switch Unit <i>For Electrical Interlock Kit, Add</i>	987.93 295.94	90.27
26 24 13 00-0146 EA 200 Amp, 240 Volt, 3 Pole Single Branch Switch Unit <i>For Electrical Interlock Kit, Add</i>	1,607.67 283.51	90.27
26 24 13 00-0147 EA 400 Amp, 240 Volt, 3 Pole Single Branch Switch Unit.....	4,119.68	241.03
26 24 13 00-0148 EA 600 Amp, 240 Volt, 3 Pole Single Branch Switch Unit.....	5,889.88	308.79
26 24 13 00-0149 EA 800 Amp, 240 Volt, 3 Pole Single Branch Switch Unit.....	10,992.52	418.36
26 24 13 00-0150 600 Volt, 3 Pole Twin Branch Switch Units (26 24 13 00-0127)		
26 24 13 00-0151 EA 30/30 Amp, 600 Volt, 3 Pole Twin Branch Switch Unit <i>For Electrical Interlock Kit, Add</i>	1,295.98 295.94	91.82
26 24 13 00-0152 EA 30/60 Amp, 600 Volt, 3 Pole Twin Branch Switch Unit <i>For Electrical Interlock Kit, Add</i>	1,293.42 295.94	91.82
26 24 13 00-0153 EA 60/60 Amp, 600 Volt, 3 Pole Twin Branch Switch Unit <i>For Electrical Interlock Kit, Add</i>	1,295.98 295.94	91.82
26 24 13 00-0154 EA 60/100 Amp, 600 Volt, 3 Pole Twin Branch Switch Unit <i>For Electrical Interlock Kit, Add</i>	1,952.33 295.94	122.95
26 24 13 00-0155 EA 100/100 Amp, 600 Volt, 3 Pole Twin Branch Switch Unit <i>For Electrical Interlock Kit, Add</i>	1,995.18 295.94	122.95
26 24 13 00-0156 EA 200/200 Amp, 600 Volt, 3 Pole Twin Branch Switch Unit <i>For Electrical Interlock Kit, Add</i>	4,267.51 295.94	160.83
26 24 13 00-0157 600 Volt, 3 Pole, Single Branch Switch Units (26 24 13 00-0127)		
26 24 13 00-0158 EA 100 Amp, 600 Volt, 3 Pole Single Branch Switch Unit <i>For Electrical Interlock Kit, Add</i>	1,401.26 295.94	90.27
26 24 13 00-0159 EA 200 Amp, 600 Volt, 3 Pole Single Branch Switch Unit <i>For Electrical Interlock Kit, Add</i>	2,132.41 283.51	90.27
26 24 13 00-0160 EA 400 Amp, 600 Volt, 3 Pole Single Branch Switch Unit <i>For Electrical Interlock Kit, Add</i>	5,184.08 283.51	241.03
26 24 13 00-0161 EA 600 Amp, 600 Volt, 3 Pole Single Branch Switch Unit.....	6,292.76	308.79
26 24 13 00-0162 EA 800 Amp, 600 Volt, 3 Pole Single Branch Switch Unit.....	10,992.52	418.36
26 24 13 00-0163 Service And Distribution Structures (26 24 13)		
26 24 13 00-0164 Distribution Section 600 Volts, 250 Volts DC (26 24 13 00-0163)		
26 24 13 00-0165 600 Amp Main Bus, 4 Wire (26 24 13 00-0164)		
26 24 13 00-0166 EA 14 Watt Distribution Section, 600 Amp Main Bus, 4 Wire, 600 Volt AC, 250 Volt DC.....	2,480.87	954.59
26 24 13 00-0167 EA 24 - 30 Watt Distribution Section, 600 Amp Main Bus, 4 Wire, 600 Volt AC, 250 Volt DC.....	2,971.82	954.59
26 24 13 00-0168 EA 34 - 38 Watt Distribution Section, 600 Amp Main Bus, 4 Wire, 600 Volt AC, 250 Volt DC.....	3,309.25	1,213.98
26 24 13 00-0169 EA 42 - 48 Watt Distribution Section, 600 Amp Main Bus, 4 Wire, 600 Volt AC, 250 Volt DC.....	3,644.46	1,213.98
26 24 13 00-0170 800 Amp Main Bus, 4 Wire (26 24 13 00-0164)		
26 24 13 00-0171 EA 14 Watt Distribution Section, 800 Amp Main Bus, 4 Wire, 600 Volt AC, 250 Volt DC.....	2,785.92	1,105.04
26 24 13 00-0172 EA 24 - 30 Watt Distribution Section, 800 Amp Main Bus, 4 Wire, 600 Volt AC, 250 Volt DC.....	3,263.62	1,105.04
26 24 13 00-0173 EA 34 - 38 Watt Distribution Section, 800 Amp Main Bus, 4 Wire, 600 Volt AC, 250 Volt DC.....	3,644.46	1,369.62
26 24 13 00-0174 EA 42 - 48 Watt Distribution Section, 800 Amp Main Bus, 4 Wire, 600 Volt AC, 250 Volt DC.....	3,945.58	1,369.62
26 24 13 00-0175 1,200 Amp Main Bus, 4 Wire (26 24 13 00-0164)		
26 24 13 00-0176 EA 14 Watt Distribution Section, 1,200 Amp Main Bus, 4 Wire, 600 Volt AC, 250 Volt DC.....	3,258.07	1,348.87
26 24 13 00-0177 EA 24 - 30 Watt Distribution Section, 1,200 Amp Main Bus, 4 Wire, 600 Volt AC, 250 Volt DC.....	3,747.09	1,348.87
26 24 13 00-0178 EA 34 - 38 Watt Distribution Section, 1,200 Amp Main Bus, 4 Wire, 600 Volt AC, 250 Volt DC.....	4,151.46	1,660.15
26 24 13 00-0179 EA 42 - 48 Watt Distribution Section, 1,200 Amp Main Bus, 4 Wire, 600 Volt AC, 250 Volt DC.....	4,592.61	1,660.15
26 24 13 00-0180 1,600 Amp Main Bus, 4 Wire (26 24 13 00-0164)		
26 24 13 00-0181 EA 14 Watt Distribution Section, 1,600 Amp Main Bus, 4 Wire, 600 Volt AC, 250 Volt DC.....	4,057.18	1,478.56
26 24 13 00-0182 EA 24 - 30 Watt Distribution Section, 1,600 Amp Main Bus, 4 Wire, 600 Volt AC, 250 Volt DC.....	4,636.89	1,478.56
26 24 13 00-0183 EA 34 - 38 Watt Distribution Section, 1,600 Amp Main Bus, 4 Wire, 600 Volt AC, 250 Volt DC.....	5,116.22	1,826.16
26 24 13 00-0184 EA 42 - 48 Watt Distribution Section, 1,600 Amp Main Bus, 4 Wire, 600 Volt AC, 250 Volt DC.....	5,500.52	1,826.16
26 24 13 00-0185 2,000 Amp Main Bus, 4 Wire (26 24 13 00-0164)		
26 24 13 00-0186 EA 14 Watt Distribution Section, 2,000 Amp Main Bus, 4 Wire, 600 Volt AC, 250 Volt DC.....	4,249.53	1,483.75
26 24 13 00-0187 EA 24 - 30 Watt Distribution Section, 2,000 Amp Main Bus, 4 Wire, 600 Volt AC, 250 Volt DC.....	4,874.43	1,670.53
26 24 13 00-0188 EA 34 - 38 Watt Distribution Section, 2,000 Amp Main Bus, 4 Wire, 600 Volt AC, 250 Volt DC.....	4,983.20	1,670.53
26 24 13 00-0189 EA 42 - 48 Watt Distribution Section, 2,000 Amp Main Bus, 4 Wire, 600 Volt AC, 250 Volt DC.....	5,186.81	1,763.90
26 24 13 00-0190 3,000 Amp Main Bus, 4 Wire (26 24 13 00-0164)		
26 24 13 00-0191 EA 24 - 30 Watt Distribution Section, 3,000 Amp Main Bus, 4 Wire, 600 Volt AC, 250 Volt DC.....	5,908.60	1,670.53

26	Electrical
26 20	Low-Voltage Electrical Distribution
26 24	Switchboards And Panelboards



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 13 00-0192 EA 34 - 38 Watt Distribution Section, 3,000 Amp Main Bus, 4 Wire, 600 Volt AC, 250 Volt DC.....	6,015.75	1,670.53
26 24 13 00-0193 EA 42 - 48 Watt Distribution Section, 3,000 Amp Main Bus, 4 Wire, 600 Volt AC, 250 Volt DC.....	6,219.36	1,763.90
26 24 13 00-0194 4,000 Amp Main Bus, 4 Wire (26 24 13 00-0164)		
26 24 13 00-0195 EA 24 - 30 Watt Distribution Section, 4,000 Amp Main Bus, 4 Wire, 600 Volt AC, 250 Volt DC.....	6,041.62	1,763.90
26 24 13 00-0196 EA 34 - 38 Watt Distribution Section, 4,000 Amp Main Bus, 4 Wire, 600 Volt AC, 250 Volt DC.....	6,219.36	1,763.90
26 24 13 00-0197 EA 42 - 48 Watt Distribution Section, 4,000 Amp Main Bus, 4 Wire, 600 Volt AC, 250 Volt DC.....	6,292.89	1,763.90
26 24 13 00-0198 Pull Boy, Horizontal Mounted Across Top Of Switch Board (26 24 13 00-0164)		
26 24 13 00-0199 EA 18 - 24" Wide, 30" High, Open Bottom, Pull Boy Horizontal Mounted, Top Of Switchboard	539.65	124.51
26 24 13 00-0200 EA Drilled Bottom	608.20	124.51
26 24 13 00-0201 EA Cable Supports In Pull Box	219.99	31.13
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17.29	
26 24 13 00-0202 Underground Pull Sections (26 24 13 00-0164)		
<i>Note: Excludes no bus or terminal.</i>		
26 24 13 00-0203 EA 12 - 20" Wide, 15 - 20" Deep Underground Pull Section Without Bus Or Terminal.....	520.53	145.26
26 24 13 00-0204 EA 24 - 28" Wide, 20" Deep Underground Pull Section Without Bus Or Terminal.....	906.63	186.76
26 24 13 00-0205 EA 24 - 28" Wide, 30" Deep Underground Pull Section Without Bus Or Terminal.....	906.63	186.76
26 24 13 00-0206 EA 14 - 20" Wide, 36" Deep Underground Pull Section Without Bus Or Terminal.....	676.86	145.26
26 24 13 00-0207 EA 28 - 30" Wide, 36" Deep Underground Pull Section Without Bus Or Terminal.....	972.36	212.71
26 24 13 00-0208 EA 14 - 20" Wide, 42 - 60" Deep Underground Pull Section Without Bus Or Terminal.....	1,108.29	212.71
26 24 13 00-0209 EA 26 - 30" Wide, 42 - 60" Deep Underground Pull Section Without Bus Or Terminal.....	1,159.81	274.96
26 24 13 00-0210 EA 38" Wide, 42 - 60" Deep Underground Pull Section Without Bus Or Terminal.....	1,222.59	274.96
26 24 13 00-0211 Switchboard Sections (26 24 13 00-0163)		
26 24 13 00-0212 EA 600 Amp Switchboard Incoming No Switch Circuit 480 Volt, 4 Wire.....	4,215.13	864.63
26 24 13 00-0213 EA 800 Amp Switchboard Incoming No Switch Circuit 480 Volt, 4 Wire.....	4,617.68	939.85
26 24 13 00-0214 EA 1,200 Amp Switchboard Incoming No Switch Circuit 480 Volt, 4 Wire.....	5,788.30	1,200.91
26 24 13 00-0215 EA 1,600 Amp Switchboard Incoming No Switch Circuit 480 Volt, 4 Wire.....	6,330.88	1,310.06
26 24 13 00-0216 EA 2,000 Amp Switchboard Incoming No Switch Circuit 480 Volt, 4 Wire.....	6,752.12	1,394.62
26 24 13 00-0217 EA 400 Amp Switchboard Incoming For Switch Circuit Section 480 Volt	5,047.52	758.48
26 24 13 00-0218 EA Distribution Section Subfeeder Lug-Rated At 200 Amp	2,838.92	720.51
26 24 13 00-0219 EA Distribution Section Subfeeder Lug-Rated At 400 Amp	3,147.78	781.31
26 24 13 00-0220 EA Distribution Section Aluminum Bus 120/208 Or 277/480 Volt, 4 Wire.....	3,258.57	864.63
26 24 13 00-0221 EA 800 Amp Switchboard Distribution Section Aluminum Bus Less Breaker.....	3,553.29	866.91
26 24 13 00-0222 EA 1,000 Amp Switchboard Distribution Section Aluminum Bus Less Breaker.....	3,926.17	967.86
26 24 13 00-0223 EA 15 To 60 Amp, 240 Volt, 1 Phase, Feed Section Circuit Breaker FA Frame.....	157.50	51.88
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	31.69	
26 24 13 00-0224 EA 70 To 100 Amp, 240 Volt, 3 Phase, Feed Section Circuit Breaker FA Frame.....	192.49	52.81
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	37.43	
26 24 13 00-0225 EA 70 To 225 Amp, 480 Volt, 3 Phase, Feed Section Circuit Breaker KA Frame	910.07	62.36
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	80.64	
26 24 13 00-0226 EA 125 To 400 Amp, 480 Volt, 3 Phase, Feed Section Circuit Breaker LA Frame.....	1,512.74	134.37
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	112.29	
26 24 13 00-0227 EA 100 Amp, Switchboard Feed Section Branch Circuit Breaker, 240 Volt HIC 3 Phase.....	598.04	187.18
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	64.85	
26 24 13 00-0228 EA 225 Amp, Switchboard Feed Section Branch Circuit Breaker, 240 Volt HIC 3 Phase.....	1,709.86	108.11
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	80.64	
26 24 13 00-0229 Switchboard, Structure Per Section Copper 480 V (26 24 13 00-0163)		
26 24 13 00-0230 EA 225 Amp Switchboard, Structure Per Section, Copper, 480 Volt.....	2,184.84	450.31
26 24 13 00-0231 EA 400 Amp Switchboard, Structure Per Section, Copper, 480 Volt.....	3,111.76	608.96
26 24 13 00-0232 EA 600 Amp Switchboard, Structure Per Section, Copper, 480 Volt.....	3,483.88	741.15
26 24 13 00-0233 EA 800 Amp Switchboard, Structure Per Section, Copper, 480 Volt.....	4,381.00	1,037.59
26 24 13 00-0234 EA 1,200 Amp Switchboard, Structure Per Section, Copper, 480 Volt.....	5,427.46	1,296.99
26 24 13 00-0235 EA 1,600 Amp Switchboard, Structure Per Section, Copper, 480 Volt.....	5,998.20	1,296.99
26 24 13 00-0236 EA 2,000 Amp Switchboard, Structure Per Section, Copper, 480 Volt.....	7,389.16	1,729.35
26 24 13 00-0237 EA 2,500 Amp Switchboard, Structure Per Section, Copper, 480 Volt.....	8,483.52	1,729.35
26 24 13 00-0238 EA 3,000 Amp Switchboard, Structure Per Section, Copper, 480 Volt.....	9,972.84	2,058.68
26 24 13 00-0239 EA 4,000 Amp Switchboard, Structure Per Section, Copper, 480 Volt.....	11,986.57	2,058.68
26 24 13 00-0240 Main Devices (26 24 13)		
26 24 13 00-0241 Power Circuit Breakers (26 24 13 00-0240)		
26 24 13 00-0242 DSL Breaker With Current Limiters And Amptector (26 24 13 00-0241)		
<i>Note: 11 Static trip not applicable to ground-fault or plug in test feature. Manually operated.</i>		
26 24 13 00-0243 EA 50 - 800 Amp DSL-206, Main Breaker With Current Limiter, Amptector Static Trip.....	7,729.94	1,089.47
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	652.30	
26 24 13 00-0244 EA 50 - 1,600 Amp DSL-416, Main Breaker With Current Limiter, Amptector Static Trip.....	14,127.11	1,815.79
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,088.38	
26 24 13 00-0245 EA 1,200 - 3,200 Amp DSL-632, Main Breaker With Current Limiter, Amptector Static Trip.....	31,954.37	3,050.51
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,813.97	
26 24 13 00-0246 EA 4,000 Amp DSL-840, Main Breaker With Current Limiter, Amptector Static Trip.....	51,456.65	4,938.93
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3,016.25	



Electrical	26	26
Low-Voltage Electrical Distribution	26 20	
Switchboards And Panelboards	26 24	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 13 00-0247 EA Ground-Fault Trip All Power Breakers - Factory Installed.....	2,740.47	
26 24 13 00-0248 EA Key Interlock All Power Breakers - Factory Installed.....	353.92	
26 24 13 00-0249 EA Short Time Delay Selective Trip - Factory Installed.....	464.32	
26 24 13 00-0250 EA Shunt Trip Manually Open Breakers - Factory Installed.....	334.44	
26 24 13 00-0251 DSL Breaker Electrical Operated And Amptector <small>(26 24 13 00-0241)</small>		
Note: 11 Static trip not applicable to ground-fault or plug in test feature. Manually operated.		
26 24 13 00-0252 EA 50 - 800 Amp DSL-206, Main Breaker, Electrical Operated With Amptector Static Trip.....	9,073.26	1,141.35
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	688.06	
26 24 13 00-0253 EA 50 - 1,600 Amp DSL-416, Main Breaker, Electrical Operated With Amptector Static Trip.....	16,882.97	1,919.54
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	1,146.09	
26 24 13 00-0254 EA 1,200 - 3,200 Amp DSL-632, Main Breaker, Electrical Operated With Amptector Static Trip.....	35,926.58	3,164.65
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	1,907.34	
26 24 13 00-0255 EA 4,000 Amp DSL-840, Main Breaker, Electrical Operated With Amptector Static Trip.....	55,433.14	5,187.95
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3,189.32	
26 24 13 00-0256 DS Breakers With Amptector Static Trip, Manually Operated <small>(26 24 13 00-0241)</small>		
Note: Includes integral ground fault and plug-in test provision. Excludes system, add price from section drawout mounted manually operated.		
26 24 13 00-0257 EA 50 - 800 Amp DS-206, Main Breaker With Groundfault, Amptector Static Trip.....	6,135.29	996.09
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	598.61	
26 24 13 00-0258 EA 50 - 1,600 Amp DS-416, Main Breaker With Groundfault, Amptector Static Trip.....	11,246.66	1,670.53
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	997.68	
26 24 13 00-0259 EA 2,000 Amp DS-420, Main Breaker With Groundfault, Amptector Static Trip.....	16,629.57	2,801.50
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	1,662.81	
26 24 13 00-0260 EA 1,200 - 3,200 AMP DS-632, Main Breaker With Groundfault, Amptector Static Trip.....	28,721.34	4,513.52
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2,769.37	
26 24 13 00-0261 EA 4,000 Amp DS-840, Main Breaker With Groundfault, Amptector Static Trip.....	46,718.23	7,366.90
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4,604.69	
26 24 13 00-0262 DS Breakers With Amptector Static Trip, Electrically Operated <small>(26 24 13 00-0241)</small>		
Note: Includes integral ground fault and plug-in test provision. Excludes system, add price from section drawout mounted electrical operated.		
26 24 13 00-0263 EA 50 - 800 Amp DS-206, Main Breaker, Electrical Operated With Groundfault, Amptector Static Trip.....	7,267.18	954.59
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	570.94	
26 24 13 00-0264 EA 50 - 1,600 Amp DS-416, Main Breaker, Electrical Operated With Groundfault, Amptector Static Trip.....	13,587.49	1,597.89
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	951.34	
26 24 13 00-0265 EA 2,000 Amp DS-420, Main Breaker, Electrical Operated With Groundfault, Amptector Static Trip.....	19,298.13	2,656.23
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	1,588.15	
26 24 13 00-0266 EA 1,200 - 3,200 Amp DS-632, Main Breaker, Electrical Operated With Groundfault, Amptector Static Trip.....	31,844.27	4,326.75
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2,646.92	
26 24 13 00-0267 EA 4,000 Amp DS-840, Main Breaker, Electrical Operated With Groundfault, Amptector Static Trip.....	49,736.28	7,418.77
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4,421.55	
26 24 13 00-0268 Molded Case Circuit Breakers Conventional <small>(26 24 13 00-0241)</small>		
26 24 13 00-0269 EA 70 - 225 Amp 3 Pole Molded Case Circuit Breaker Conventional.....	2,551.84	871.58
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	502.06	
26 24 13 00-0270 EA 125 - 400 Amp 3 Pole Molded Case Circuit Breaker Conventional.....	3,773.40	871.58
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	546.10	
26 24 13 00-0271 EA 300 - 600 Amp 3 Pole Molded Case Circuit Breaker Conventional.....	4,187.09	1,037.59
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	598.61	
26 24 13 00-0272 EA 400 - 800 Amp 3 Pole Molded Case Circuit Breaker Conventional.....	4,991.40	1,037.59
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	648.49	
26 24 13 00-0273 EA 600 - 1,200 Amp 3 Pole Molded Case Circuit Breaker Conventional.....	7,463.46	1,245.11
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	710.68	
26 24 13 00-0274 EA 1,000 - 2,000 Amp 3 Pole Molded Case Circuit Breaker Conventional.....	12,141.99	1,245.11
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	786.05	
26 24 13 00-0275 EA Shunt Trip, Factory Installed.....	350.68	
26 24 13 00-0276 EA Groundfault Trip Complete Interrupting Circuit, Factory Installed.....	81.18	
26 24 13 00-0277 Switchboard Branch Breaker 480 Volt <small>(26 24 13 00-0240)</small>		
26 24 13 00-0278 EA 60 Amp, 3 Phase, 480 Volt Switchboard Branch Breaker.....	544.78	75.22
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	45.11	
26 24 13 00-0279 EA 100 Amp, 3 Phase, 480 Volt Switchboard Branch Breaker.....	641.05	99.82
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	59.86	
26 24 13 00-0280 EA 225 Amp, 3 Phase, 480 Volt Switchboard Branch Breaker.....	1,872.79	150.24
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	90.17	
26 24 13 00-0281 EA 400 Amp, 3 Phase, 480 Volt Switchboard Branch Breaker.....	2,476.90	188.53
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	113.11	
26 24 13 00-0282 EA 600 Amp, 3 Phase, 480 Volt Switchboard Branch Breaker.....	2,994.53	252.86
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	151.69	
26 24 13 00-0283 EA 800 Amp, 3 Phase, 480 Volt Switchboard Branch Breaker.....	3,613.90	324.25
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	194.55	
26 24 13 00-0284 EA 1,000 Amp, 3 Phase, 480 Volt Switchboard Branch Breaker.....	5,816.56	494.10
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	296.46	
26 24 13 00-0285 EA 1,200 Amp, 3 Phase, 480 Volt Switchboard Branch Breaker.....	5,816.56	494.10
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	296.46	

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 24 Switchboards And Panelboards**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 13 00-0286 EA 1,600 Amp, 3 Phase, 480 Volt Switchboard Branch Breaker.....	8,158.24	691.77
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>415.04</i>	
26 24 13 00-0287 EA 2,000 Amp, 3 Phase, 480 Volt Switchboard Branch Breaker.....	10,155.66	1,037.59
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>622.55</i>	
26 24 13 00-0288 Switchboard 277/480 Volt Main Breaker <small>(26 24 13 00-0240)</small>		
26 24 13 00-0289 EA 400 Amp, Switchboard 277/480 Volt Main Breaker.....	6,621.50	450.31
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>270.21</i>	
26 24 13 00-0290 EA 600 Amp, Switchboard 277/480 Volt Main Breaker.....	6,707.11	493.17
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>295.89</i>	
26 24 13 00-0291 EA 800 Amp, Switchboard 277/480 Volt Main Breaker.....	7,203.08	741.15
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>444.68</i>	
26 24 13 00-0292 EA 1,200 Amp, Switchboard 277/480 Volt Main Breaker.....	12,352.45	1,037.59
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>622.55</i>	
26 24 13 00-0293 EA 1,600 Amp, Switchboard 277/480 Volt Main Breaker.....	12,572.82	1,147.78
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>688.67</i>	
26 24 13 00-0294 EA 2,000 Amp, Switchboard 277/480 Volt Main Breaker.....	16,522.83	2,058.68
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>1,235.23</i>	
26 24 13 00-0295 Branch Or Distribution Devices <small>(26 24 13)</small>		
26 24 13 00-0296 3 Pole, Panel Mounted, Molded Case Circuit Breakers <small>(26 24 13 00-0295)</small>		
Note: Includes certified refurbished circuit breakers.		
26 24 13 00-0297 EA 15 - 60 Amp, 600 Volt, Type EHB, 3 Pole, Panel Mounted, Molded Case Circuit Breaker.....	357.30	37.36
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>24.90</i>	
26 24 13 00-0298 EA 70 - 100 Amp, 600 Volt, Type EHB, 3 Pole, Panel Mounted, Molded Case Circuit Breaker.....	368.45	46.69
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>31.13</i>	
26 24 13 00-0299 EA 125 - 150 Amp, 600 Volt, Type FB, 3 Pole, Panel Mounted, Molded Case Circuit Breaker.....	838.82	56.03
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>37.35</i>	
26 24 13 00-0300 EA 70 - 225 Amp, 600 Volt, Type JDB, 3 Pole, Panel Mounted, Molded Case Circuit Breaker.....	1,208.83	72.63
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>48.25</i>	
26 24 13 00-0301 EA 125 - 400 Amp, 600 Volt, Type LBB, 3 Pole, Panel Mounted, Molded Case Circuit Breaker.....	1,693.79	89.65
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>59.77</i>	
26 24 13 00-0302 EA 300 - 600 Amp, 600 Volt, Type LC, 3 Pole, Panel Mounted, Molded Case Circuit Breaker.....	2,207.96	104.80
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>70.04</i>	
26 24 13 00-0303 EA 900 - 1,000 Amp, 600 Volt, Type NB, 3 Pole, Panel Mounted, Molded Case Circuit Breaker.....	3,335.08	118.28
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>79.07</i>	
26 24 13 00-0304 2 Pole, Panel Mounted, Molded Case Circuit Breakers <small>(26 24 13 00-0295)</small>		
Note: Includes certified refurbished circuit breakers.		
26 24 13 00-0305 EA 15 - 60 Amp, 600 Volt, Type EHB, 2 Pole, Panel Mounted, Molded Case Circuit Breaker.....	248.12	28.01
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>18.68</i>	
26 24 13 00-0306 EA 70 - 100 Amp, 600 Volt, Type EHB, 2 Pole, Panel Mounted, Molded Case Circuit Breaker.....	319.95	37.36
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>24.90</i>	
26 24 13 00-0307 EA 125 - 150 Amp, 600 Volt, Type FB, 2 Pole, Panel Mounted, Molded Case Circuit Breaker.....	828.10	46.69
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>31.13</i>	
26 24 13 00-0308 EA 70 - 225 Amp, 600 Volt, Type JDB, 2 Pole, Panel Mounted, Molded Case Circuit Breaker.....	1,292.84	51.88
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>34.24</i>	
26 24 13 00-0309 EA 125 - 400 Amp, 600 Volt, Type LBB, 2 Pole, Panel Mounted, Molded Case Circuit Breaker.....	1,377.58	67.44
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>45.14</i>	
26 24 13 00-0310 EA 900 - 1,000 Amp, 600 Volt, Type NB, 2 Pole, Panel Mounted, Molded Case Circuit Breaker.....	3,075.12	98.06
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>65.37</i>	
26 24 13 00-0311 Meter Devices And Instrumentation <small>(26 24 13)</small>		
Note: Factory installed accessories.		
26 24 13 00-0312 Instrument Transformers And Metering Compartments <small>(26 24 13 00-0311)</small>		
26 24 13 00-0313 EA 800 Amp And Below Primary Current Transformer, With Compartment.....	423.73	
26 24 13 00-0314 EA 1,000 - 1,500 Amp Primary Current Transformer, With Compartment.....	612.06	
26 24 13 00-0315 EA 2,000 - 6,000 Amp Primary Current Transformer, With Compartment.....	720.83	
26 24 13 00-0316 EA Potential Transformer With 200 VA Max.....	519.52	
26 24 13 00-0317 EA 5 To 800 Amp, Three Current Transformers.....	1,734.18	
26 24 13 00-0318 EA 1,000 To 1,500 Amp, Three Current Transformers.....	3,094.70	
26 24 13 00-0319 EA 2,000 To 4,000 Amp, Three Current Transformers.....	4,026.99	
26 24 13 00-0320 Instruments <small>(26 24 13 00-0311)</small>		
26 24 13 00-0321 EA AC Voltmeter.....	577.97	
26 24 13 00-0322 EA AC Ammeter.....	577.97	
26 24 13 00-0323 EA AC Wattmeter.....	1,543.95	
26 24 13 00-0324 EA Variometer.....	1,743.64	
26 24 13 00-0325 EA Power Factor Meter.....	1,392.96	
26 24 13 00-0326 EA Frequency Meter.....	1,537.45	
26 24 13 00-0327 EA AC Watt-hour Meter Indicating 1 Or 2 Element With Test Block And Plug Block.....	1,956.32	
26 24 13 00-0328 EA AC Watt-hour Meter Recording 2 Element With Recording KW Demand Type R-2.....	3,272.97	
26 24 13 00-0329 EA Weatherproof, Modify Meter.....	3,105.88	
26 24 13 00-0330 EA Control Switch Resistor Type 130 V.....	71.51	
26 24 13 00-0331 EA Metering Instrument Volt, Amp And Watt Hour.....	3,948.03	



Electrical	26	26
Low-Voltage Electrical Distribution	26 20	
Switchboards And Panelboards	26 24	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 Panelboards <small>(26 24)</small>		
26 24 16 00-0001 Branch Circuit Panelboard <small>(26 24 16)</small>		
Note: Includes wiring connections, drilling hole (or removing knock-out on residential units), labeling and testing. All NEMA 3R panelboards include weatherproof hubs. Copper bussing. Panelboards with less than a 30 circuit capacity do not have the door in a door trim front option.		
26 24 16 00-0002 Assembled Lighting And Power Panelboards <small>(26 24 16 00-0001)</small>		
Note: Includes main lugs or breaker (as indicated). 20 Amp, 1 pole branch circuit breakers (the number of which is indicated). Panelboard box, trim and connection of main service cable from meter.		
26 24 16 00-0003 120/240 Volt, 3 Wire, 1 Phase, Main Lugs Assembled Panelboards <small>(26 24 16 00-0002)</small>		
26 24 16 00-0004 EA 100 Amp Rating, 8 - 20 Amp Breakers, 120/240 Volt, 3 Wire, 1 Phase Assembled Panelboard, Main Lugs, 12 Circuit Capacity 1,021.30 <i>For NEMA 3R Panelboard, Add</i> 758.59	295.71	
26 24 16 00-0005 EA 100 Amp Rating, 10 - 20 Amp Breakers, 120/240 Volt, 3 Wire, 1 Phase Assembled Panelboard, Main Lugs, 20 Circuit Capacity 1,173.11 <i>For NEMA 3R Panelboard, Add</i> 758.59	295.71	
26 24 16 00-0006 EA 100 Amp Rating, 12 - 20 Amp Breakers, 120/240 Volt, 3 Wire, 1 Phase Assembled Panelboard, Main Lugs, 20 Circuit Capacity 1,333.30 <i>For NEMA 3R Panelboard, Add</i> 758.59	409.85	
26 24 16 00-0007 EA 100 Amp Rating, 14 - 20 Amp Breakers, 120/240 Volt, 3 Wire, 1 Phase Assembled Panelboard, Main Lugs, 20 Circuit Capacity 1,486.45 <i>For NEMA 3R Panelboard, Add</i> 758.59	409.85	
26 24 16 00-0008 EA 100 Amp Rating, 16 - 20 Amp Breakers, 120/240 Volt, 3 Wire, 1 Phase Assembled Panelboard, Main Lugs, 20 Circuit Capacity 1,640.29 <i>For NEMA 3R Panelboard, Add</i> 758.59	513.61	
26 24 16 00-0009 EA 100 Amp Rating, 18 - 20 Amp Breakers, 120/240 Volt, 3 Wire, 1 Phase Assembled Panelboard, Main Lugs, 24 Circuit Capacity 1,801.52 <i>For NEMA 3R Panelboard, Add</i> 758.59	513.61	
26 24 16 00-0010 EA 100 Amp Rating, 20 - 20 Amp Breakers, 120/240 Volt, 3 Wire, 1 Phase Assembled Panelboard, Main Lugs, 24 Circuit Capacity 1,947.17 <i>For NEMA 3R Panelboard, Add</i> 758.59	591.43	
26 24 16 00-0011 EA 225 Amp Rating, 22 - 20 Amp Breakers, 120/240 Volt, 3 Wire, 1 Phase Assembled Panelboard, Main Lugs, 30 Circuit Capacity 2,325.52 <i>For NEMA 3R Panelboard, Add</i> 834.24 <i>For Door-In-Door (Hinged) Trim Front, Add</i> 60.96	757.44	
26 24 16 00-0012 EA 225 Amp Rating, 24 - 20 Amp Breakers, 120/240 Volt, 3 Wire, 1 Phase Assembled Panelboard, Main Lugs, 30 Circuit Capacity 2,479.08 <i>For NEMA 3R Panelboard, Add</i> 834.24 <i>For Door-In-Door (Hinged) Trim Front, Add</i> 60.96	757.44	
26 24 16 00-0013 EA 225 Amp Rating, 26 - 20 Amp Breakers, 120/240 Volt, 3 Wire, 1 Phase Assembled Panelboard, Main Lugs, 30 Circuit Capacity 3,093.08 <i>For NEMA 3R Panelboard, Add</i> 834.24 <i>For Door-In-Door (Hinged) Trim Front, Add</i> 60.96	866.39	
26 24 16 00-0014 EA 225 Amp Rating, 28 - 20 Amp Breakers, 120/240 Volt, 3 Wire, 1 Phase Assembled Panelboard, Main Lugs, 42 Circuit Capacity 3,323.50 <i>For NEMA 3R Panelboard, Add</i> 985.44 <i>For Door-In-Door (Hinged) Trim Front, Add</i> 104.11	866.39	
26 24 16 00-0015 EA 225 Amp Rating, 30 - 20 Amp Breakers, 120/240 Volt, 3 Wire, 1 Phase Assembled Panelboard, Main Lugs, 42 Circuit Capacity 3,467.43 <i>For NEMA 3R Panelboard, Add</i> 985.44 <i>For Door-In-Door (Hinged) Trim Front, Add</i> 104.11	975.33	
26 24 16 00-0016 EA 225 Amp Rating, 32 - 20 Amp Breakers, 120/240 Volt, 3 Wire, 1 Phase Assembled Panelboard, Main Lugs, 42 Circuit Capacity 3,677.30 <i>For NEMA 3R Panelboard, Add</i> 985.44 <i>For Door-In-Door (Hinged) Trim Front, Add</i> 104.11	975.33	
26 24 16 00-0017 EA 225 Amp Rating, 34 - 20 Amp Breakers, 120/240 Volt, 3 Wire, 1 Phase Assembled Panelboard, Main Lugs, 42 Circuit Capacity 3,814.75 <i>For NEMA 3R Panelboard, Add</i> 985.44 <i>For Door-In-Door (Hinged) Trim Front, Add</i> 104.11	1,079.10	
26 24 16 00-0018 EA 225 Amp Rating, 36 - 20 Amp Breakers, 120/240 Volt, 3 Wire, 1 Phase Assembled Panelboard, Main Lugs, 42 Circuit Capacity 4,027.88 <i>For NEMA 3R Panelboard, Add</i> 985.44 <i>For Door-In-Door (Hinged) Trim Front, Add</i> 104.11	1,079.10	
26 24 16 00-0019 EA 225 Amp Rating, 38 - 20 Amp Breakers, 120/240 Volt, 3 Wire, 1 Phase Assembled Panelboard, Main Lugs, 42 Circuit Capacity 4,265.82 <i>For NEMA 3R Panelboard, Add</i> 985.44 <i>For Door-In-Door (Hinged) Trim Front, Add</i> 104.11	1,193.23	
26 24 16 00-0020 EA 225 Amp Rating, 40 - 20 Amp Breakers, 120/240 Volt, 3 Wire, 1 Phase Assembled Panelboard, Main Lugs, 54 Circuit Capacity 4,343.86 <i>For NEMA 3R Panelboard, Add</i> 1,025.64 <i>For Door-In-Door (Hinged) Trim Front, Add</i> 133.06	1,193.23	
26 24 16 00-0021 EA 225 Amp Rating, 42 - 20 Amp Breakers, 120/240 Volt, 3 Wire, 1 Phase Assembled Panelboard, Main Lugs, 54 Circuit Capacity 4,629.49 <i>For NEMA 3R Panelboard, Add</i> 1,025.64 <i>For Door-In-Door (Hinged) Trim Front, Add</i> 133.06	1,193.23	
26 24 16 00-0022 120/240 Volt, 3 Wire, 1 Phase, Main Breaker Assembled Panelboards <small>(26 24 16 00-0002)</small>		
26 24 16 00-0023 EA 50 Amp Rating, 8 - 20 Amp Breakers, 120/240 Volt, 3 Wire, 1 Phase Assembled Panelboard, Up To 50 Amp Main Breaker, 12 Circuit Capacity 1,117.88 <i>For NEMA 3R Panelboard, Add</i> 758.59	285.34	

26	Electrical
26 20	Low-Voltage Electrical Distribution
26 24	Switchboards And Panelboards



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0024 EA 50 Amp Rating, 10 - 20 Amp Breakers, 120/240 Volt, 3 Wire, 1 Phase Assembled Panelboard, Up To 50 Amp Main Breaker, 12 Circuit Capacity	1,271.95	285.34
<i>For NEMA 3R Panelboard, Add</i>	758.59	
26 24 16 00-0025 EA 100 Amp Rating, 12 - 20 Amp Breakers, 120/240 Volt, 3 Wire, 1 Phase Assembled Panelboard, >50 To 100 Amp Main Breaker, 20 Circuit Capacity	1,676.96	487.67
<i>For NEMA 3R Panelboard, Add</i>	758.59	
26 24 16 00-0026 EA 100 Amp Rating, 14 - 20 Amp Breakers, 120/240 Volt, 3 Wire, 1 Phase Assembled Panelboard, >50 To 100 Amp Main Breaker, 20 Circuit Capacity	1,833.44	487.67
<i>For NEMA 3R Panelboard, Add</i>	758.59	
26 24 16 00-0027 EA 100 Amp Rating, 16 - 20 Amp Breakers, 120/240 Volt, 3 Wire, 1 Phase Assembled Panelboard, >50 To 100 Amp Main Breaker, 20 Circuit Capacity	1,988.76	596.62
<i>For NEMA 3R Panelboard, Add</i>	758.59	
26 24 16 00-0028 EA 100 Amp Rating, 18 - 20 Amp Breakers, 120/240 Volt, 3 Wire, 1 Phase Assembled Panelboard, >50 To 100 Amp Main Breaker, 24 Circuit Capacity	2,155.25	596.62
<i>For NEMA 3R Panelboard, Add</i>	758.59	
26 24 16 00-0029 EA 100 Amp Rating, 20 - 20 Amp Breakers, 120/240 Volt, 3 Wire, 1 Phase Assembled Panelboard, >50 To 100 Amp Main Breaker, 24 Circuit Capacity	2,296.02	715.94
<i>For NEMA 3R Panelboard, Add</i>	758.59	
26 24 16 00-0030 EA 225 Amp Rating, 22 - 20 Amp Breakers, 120/240 Volt, 3 Wire, 1 Phase Assembled Panelboard, >100 To 225 Amp Main Breaker, 30 Circuit Capacity	3,223.92	715.94
<i>For NEMA 3R Panelboard, Add</i>	834.24	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>	60.96	
26 24 16 00-0031 EA 225 Amp Rating, 24 - 20 Amp Breakers, 120/240 Volt, 3 Wire, 1 Phase Assembled Panelboard, >100 To 225 Amp Main Breaker, 30 Circuit Capacity	3,365.08	876.77
<i>For NEMA 3R Panelboard, Add</i>	834.24	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>	60.96	
26 24 16 00-0032 EA 225 Amp Rating, 26 - 20 Amp Breakers, 120/240 Volt, 3 Wire, 1 Phase Assembled Panelboard, >100 To 225 Amp Main Breaker, 30 Circuit Capacity	3,518.01	876.77
<i>For NEMA 3R Panelboard, Add</i>	834.24	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>	60.96	
26 24 16 00-0033 EA 225 Amp Rating, 28 - 20 Amp Breakers, 120/240 Volt, 3 Wire, 1 Phase Assembled Panelboard, >100 To 225 Amp Main Breaker, 42 Circuit Capacity	3,685.07	985.71
<i>For NEMA 3R Panelboard, Add</i>	985.44	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>	104.11	
26 24 16 00-0034 EA 225 Amp Rating, 30 - 20 Amp Breakers, 120/240 Volt, 3 Wire, 1 Phase Assembled Panelboard, >100 To 225 Amp Main Breaker, 42 Circuit Capacity	3,821.41	985.71
<i>For NEMA 3R Panelboard, Add</i>	985.44	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>	104.11	
26 24 16 00-0035 EA 225 Amp Rating, 32 - 20 Amp Breakers, 120/240 Volt, 3 Wire, 1 Phase Assembled Panelboard, >100 To 225 Amp Main Breaker, 42 Circuit Capacity	3,966.47	1,079.10
<i>For NEMA 3R Panelboard, Add</i>	985.44	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>	104.11	
26 24 16 00-0036 EA 225 Amp Rating, 34 - 20 Amp Breakers, 120/240 Volt, 3 Wire, 1 Phase Assembled Panelboard, >100 To 225 Amp Main Breaker, 42 Circuit Capacity	4,121.59	1,079.10
<i>For NEMA 3R Panelboard, Add</i>	985.44	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>	104.11	
26 24 16 00-0037 EA 225 Amp Rating, 36 - 20 Amp Breakers, 120/240 Volt, 3 Wire, 1 Phase Assembled Panelboard, >100 To 225 Amp Main Breaker, 42 Circuit Capacity	4,288.41	1,276.24
<i>For NEMA 3R Panelboard, Add</i>	985.44	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>	104.11	
26 24 16 00-0038 EA 225 Amp Rating, 38 - 20 Amp Breakers, 120/240 Volt, 3 Wire, 1 Phase Assembled Panelboard, >100 To 225 Amp Main Breaker, 42 Circuit Capacity	4,468.92	1,276.24
<i>For NEMA 3R Panelboard, Add</i>	985.44	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>	104.11	
26 24 16 00-0039 EA 225 Amp Rating, 40 - 20 Amp Breakers, 120/240 Volt, 3 Wire, 1 Phase Assembled Panelboard, >100 To 225 Amp Main Breaker, 54 Circuit Capacity	4,665.60	1,276.24
<i>For NEMA 3R Panelboard, Add</i>	1,025.64	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>	133.06	
26 24 16 00-0040 EA 225 Amp Rating, 42 - 20 Amp Breakers, 120/240 Volt, 3 Wire, 1 Phase Assembled Panelboard, >100 To 225 Amp Main Breaker, 54 Circuit Capacity	4,788.50	1,348.87
<i>For NEMA 3R Panelboard, Add</i>	1,025.64	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>	133.06	
26 24 16 00-0041 120/208 Volt, 4 Wire, 3 Phase, Main Lugs Assembled Panelboards <small>(26 24 16 00-0002)</small>		
26 24 16 00-0042 EA 100 Amp Rating, 8 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 12 Circuit Capacity.....	1,397.43	337.21
<i>For NEMA 3R Panelboard, Add</i>	758.59	
26 24 16 00-0043 EA 100 Amp Rating, 10 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 20 Circuit Capacity.....	1,566.60	337.21
<i>For NEMA 3R Panelboard, Add</i>	758.59	
26 24 16 00-0044 EA 100 Amp Rating, 12 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 20 Circuit Capacity.....	1,758.99	451.36
<i>For NEMA 3R Panelboard, Add</i>	758.59	
26 24 16 00-0045 EA 100 Amp Rating, 14 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 20 Circuit Capacity.....	1,961.65	451.36
<i>For NEMA 3R Panelboard, Add</i>	758.59	
26 24 16 00-0046 EA 100 Amp Rating, 16 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 20 Circuit Capacity.....	2,142.97	555.11
<i>For NEMA 3R Panelboard, Add</i>	758.59	
26 24 16 00-0047 EA 100 Amp Rating, 18 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 24 Circuit Capacity.....	2,336.50	555.11
<i>For NEMA 3R Panelboard, Add</i>	758.59	



Electrical	26
Low-Voltage Electrical Distribution	26 20
Switchboards And Panelboards	26 24

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0048 EA 100 Amp Rating, 20 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 24 Circuit Capacity <i>For NEMA 3R Panelboard, Add</i>	2,519.11 758.59	658.87
26 24 16 00-0049 EA 100 Amp Rating, 22 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 30 Circuit Capacity <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	2,706.79 834.24 60.96	658.87
26 24 16 00-0050 EA 100 Amp Rating, 24 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 30 Circuit Capacity <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	2,882.50 834.24 60.96	773.00
26 24 16 00-0051 EA 100 Amp Rating, 26 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 30 Circuit Capacity <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	3,084.88 834.24 60.96	773.00
26 24 16 00-0052 EA 100 Amp Rating, 28 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 30 Circuit Capacity <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	3,290.02 834.24 60.96	892.33
26 24 16 00-0053 EA 100 Amp Rating, 30 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 30 Circuit Capacity <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	3,492.35 834.24 60.96	892.33
26 24 16 00-0054 EA 225 Amp Rating, 32 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 42 Circuit Capacity <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	3,893.29 985.44 104.11	1,079.10
26 24 16 00-0055 EA 225 Amp Rating, 34 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 42 Circuit Capacity <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	4,028.77 985.44 104.11	1,079.10
26 24 16 00-0056 EA 225 Amp Rating, 36 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 42 Circuit Capacity <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	4,265.43 985.44 104.11	1,198.42
26 24 16 00-0057 EA 225 Amp Rating, 38 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 42 Circuit Capacity <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	4,478.49 985.44 104.11	1,198.42
26 24 16 00-0058 EA 225 Amp Rating, 40 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 54 Circuit Capacity <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	4,630.68 1,025.64 133.06	1,307.37
26 24 16 00-0059 EA 225 Amp Rating, 42 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 54 Circuit Capacity <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	4,841.81 1,025.64 133.06	1,307.37
26 24 16 00-0060 EA 400 Amp Rating, 32 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 42 Circuit Capacity <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	4,728.77 985.44 104.11	1,160.02
26 24 16 00-0061 EA 400 Amp Rating, 34 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 42 Circuit Capacity <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	4,878.34 985.44 104.11	1,219.17
26 24 16 00-0062 EA 400 Amp Rating, 36 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 42 Circuit Capacity <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	5,125.34 985.44 104.11	1,284.02
26 24 16 00-0063 EA 400 Amp Rating, 38 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 42 Circuit Capacity <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	5,354.00 985.44 104.11	1,359.24
26 24 16 00-0064 EA 400 Amp Rating, 40 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 54 Circuit Capacity <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	5,515.21 1,025.64 133.06	1,400.74
26 24 16 00-0065 EA 400 Amp Rating, 42 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 54 Circuit Capacity <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	5,772.43 1,025.64 133.06	1,486.35
26 24 16 00-0066 120/208 Volt, 4 Wire, 3 Phase, Main Breaker Assembled Panelboards <small>(26 24 16 00-0002)</small>		
26 24 16 00-0067 EA 50 Amp Rating, 8 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, Up To 50 Amp Main Breaker, 12 Circuit Capacity <i>For NEMA 3R Panelboard, Add</i>	1,672.41 758.59	326.84
26 24 16 00-0068 EA 50 Amp Rating, 10 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, Up To 50 Amp Main Breaker, 20 Circuit Capacity <i>For NEMA 3R Panelboard, Add</i>	1,843.68 758.59	326.84
26 24 16 00-0069 EA 50 Amp Rating, 12 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, Up To 50 Amp Main Breaker, 20 Circuit Capacity <i>For NEMA 3R Panelboard, Add</i>	2,048.37 758.59	430.60

26	Electrical
26 20	Low-Voltage Electrical Distribution
26 24	Switchboards And Panelboards



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0070 EA 50 Amp Rating, 14 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, Up To 50 Amp Main Breaker, 20 Circuit Capacity	2,336.41	430.60
For NEMA 3R Panelboard, Add	758.59	
26 24 16 00-0071 EA 100 Amp Rating 16 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, >50 To 100 Amp Main Breaker, 20 Circuit Capacity	2,749.21	648.50
For NEMA 3R Panelboard, Add	758.59	
26 24 16 00-0072 EA 100 Amp Rating, 18 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, >50 To 100 Amp Main Breaker, 24 Circuit Capacity	2,926.64	648.50
For NEMA 3R Panelboard, Add	758.59	
26 24 16 00-0073 EA 100 Amp Rating, 20 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, >50 To 100 Amp Main Breaker, 24 Circuit Capacity	3,118.17	757.44
For NEMA 3R Panelboard, Add	758.59	
26 24 16 00-0074 EA 100 Amp Rating, 22 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, >50 To 100 Amp Main Breaker, 30 Circuit Capacity	3,276.95	757.44
For NEMA 3R Panelboard, Add	834.24	
For Door-In-Door (Hinged) Trim Front, Add	60.96	
26 24 16 00-0075 EA 100 Amp Rating, 24 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, >50 To 100 Amp Main Breaker, 30 Circuit Capacity	3,492.20	876.77
For NEMA 3R Panelboard, Add	834.24	
For Door-In-Door (Hinged) Trim Front, Add	60.96	
26 24 16 00-0076 EA 100 Amp Rating, 26 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, >50 To 100 Amp Main Breaker, 30 Circuit Capacity	3,637.92	876.77
For NEMA 3R Panelboard, Add	834.24	
For Door-In-Door (Hinged) Trim Front, Add	60.96	
26 24 16 00-0077 EA 100 Amp Rating, 28 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, >50 To 100 Amp Main Breaker, 30 Circuit Capacity	3,877.30	985.71
For NEMA 3R Panelboard, Add	834.24	
For Door-In-Door (Hinged) Trim Front, Add	60.96	
26 24 16 00-0078 EA 100 Amp Rating, 30 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, >50 To 100 Amp Main Breaker, 30 Circuit Capacity	4,083.48	985.71
For NEMA 3R Panelboard, Add	834.24	
For Door-In-Door (Hinged) Trim Front, Add	60.96	
26 24 16 00-0079 EA 225 Amp Rating, 32 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, >100 To 225 Amp Main Breaker, 42 Circuit Capacity	5,399.30	1,141.35
For NEMA 3R Panelboard, Add	985.44	
For Door-In-Door (Hinged) Trim Front, Add	104.11	
26 24 16 00-0080 EA 225 Amp Rating, 34 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, >100 To 225 Amp Main Breaker, 42 Circuit Capacity	5,630.09	1,203.60
For NEMA 3R Panelboard, Add	985.44	
For Door-In-Door (Hinged) Trim Front, Add	104.11	
26 24 16 00-0081 EA 225 Amp Rating, 36 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, >100 To 225 Amp Main Breaker, 42 Circuit Capacity	5,723.57	1,203.60
For NEMA 3R Panelboard, Add	985.44	
For Door-In-Door (Hinged) Trim Front, Add	104.11	
26 24 16 00-0082 EA 225 Amp Rating, 38 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, >100 To 225 Amp Main Breaker, 42 Circuit Capacity	5,980.14	1,359.24
For NEMA 3R Panelboard, Add	985.44	
For Door-In-Door (Hinged) Trim Front, Add	104.11	
26 24 16 00-0083 EA 225 Amp Rating, 40 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, >100 To 225 Amp Main Breaker, 54 Circuit Capacity	6,166.41	1,359.24
For NEMA 3R Panelboard, Add	1,025.64	
For Door-In-Door (Hinged) Trim Front, Add	133.06	
26 24 16 00-0084 EA 225 Amp Rating, 42 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, >100 To 225 Amp Main Breaker, 54 Circuit Capacity	6,278.43	1,359.24
For NEMA 3R Panelboard, Add	1,025.64	
For Door-In-Door (Hinged) Trim Front, Add	133.06	
26 24 16 00-0085 EA 400 Amp Rating, 32 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, >225 To 400 Amp Main Breaker, 42 Circuit Capacity	6,407.71	1,250.30
For NEMA 3R Panelboard, Add	985.44	
For Door-In-Door (Hinged) Trim Front, Add	104.11	
26 24 16 00-0086 EA 400 Amp Rating, 34 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, >225 To 400 Amp Main Breaker, 42 Circuit Capacity	6,657.78	1,322.92
For NEMA 3R Panelboard, Add	985.44	
For Door-In-Door (Hinged) Trim Front, Add	104.11	
26 24 16 00-0087 EA 400 Amp Rating, 36 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, >225 To 400 Amp Main Breaker, 42 Circuit Capacity	6,753.87	1,359.24
For NEMA 3R Panelboard, Add	985.44	
For Door-In-Door (Hinged) Trim Front, Add	104.11	
26 24 16 00-0088 EA 400 Amp Rating, 38 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, >225 To 400 Amp Main Breaker, 42 Circuit Capacity	7,029.37	1,442.25
For NEMA 3R Panelboard, Add	985.44	
For Door-In-Door (Hinged) Trim Front, Add	104.11	
26 24 16 00-0089 EA 400 Amp Rating, 40 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, >225 To 400 Amp Main Breaker, 54 Circuit Capacity	7,214.03	1,483.75
For NEMA 3R Panelboard, Add	1,025.64	
For Door-In-Door (Hinged) Trim Front, Add	133.06	
26 24 16 00-0090 EA 400 Amp Rating, 42 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, >225 To 400 Amp Main Breaker, 54 Circuit Capacity	7,380.37	1,535.64
For NEMA 3R Panelboard, Add	1,025.64	
For Door-In-Door (Hinged) Trim Front, Add	133.06	
26 24 16 00-0091 480 Volt, 3 Wire, 3 Phase, Main Lugs Assembled Panelboards <small>(26 24 16 00-0002)</small>		
26 24 16 00-0092 EA 100 Amp Rating, 8 - 20 Amp Breakers, 480 Volt, 3 Wire, 3 Phase Assembled Panelboard, Main Lugs, 12 Circuit Capacity	1,583.11	332.03
For NEMA 3R Panelboard, Add	758.59	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0093 EA 100 Amp Rating, 10 - 20 Amp Breakers, 480 Volt, 3 Wire, 3 Phase Assembled Panelboard, Main Lugs, 20 Circuit Capacity <i>For NEMA 3R Panelboard, Add</i>	1,807.60 758.59	332.03
26 24 16 00-0094 EA 100 Amp Rating, 12 - 20 Amp Breakers, 480 Volt, 3 Wire, 3 Phase Assembled Panelboard, Main Lugs, 20 Circuit Capacity <i>For NEMA 3R Panelboard, Add</i>	2,023.20 758.59	456.54
26 24 16 00-0095 EA 100 Amp Rating, 14 - 20 Amp Breakers, 480 Volt, 3 Wire, 3 Phase Assembled Panelboard, Main Lugs, 20 Circuit Capacity <i>For NEMA 3R Panelboard, Add</i>	2,247.67 758.59	456.54
26 24 16 00-0096 EA 100 Amp Rating, 16 - 20 Amp Breakers, 480 Volt, 3 Wire, 3 Phase Assembled Panelboard, Main Lugs, 20 Circuit Capacity <i>For NEMA 3R Panelboard, Add</i>	2,457.61 758.59	570.67
26 24 16 00-0097 EA 100 Amp Rating, 18 - 20 Amp Breakers, 480 Volt, 3 Wire, 3 Phase Assembled Panelboard, Main Lugs, 24 Circuit Capacity <i>For NEMA 3R Panelboard, Add</i>	2,678.36 758.59	570.67
26 24 16 00-0098 EA 100 Amp Rating, 20 - 20 Amp Breakers, 480 Volt, 3 Wire, 3 Phase Assembled Panelboard, Main Lugs, 24 Circuit Capacity <i>For NEMA 3R Panelboard, Add</i>	2,908.34 758.59	689.99
26 24 16 00-0099 EA 100 Amp Rating, 22 - 20 Amp Breakers, 480 Volt, 3 Wire, 3 Phase Assembled Panelboard, Main Lugs, 30 Circuit Capacity <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	3,119.85 834.24 60.96	689.99
26 24 16 00-0100 EA 100 Amp Rating, 24 - 20 Amp Breakers, 480 Volt, 3 Wire, 3 Phase Assembled Panelboard, Main Lugs, 30 Circuit Capacity <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	3,351.50 834.24 60.96	819.70
26 24 16 00-0101 EA 100 Amp Rating, 26 - 20 Amp Breakers, 480 Volt, 3 Wire, 3 Phase Assembled Panelboard, Main Lugs, 30 Circuit Capacity <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	3,575.45 834.24 60.96	819.70
26 24 16 00-0102 EA 100 Amp Rating, 28 - 20 Amp Breakers, 480 Volt, 3 Wire, 3 Phase Assembled Panelboard, Main Lugs, 30 Circuit Capacity <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	3,782.07 834.24 60.96	933.83
26 24 16 00-0103 EA 100 Amp Rating, 30 - 20 Amp Breakers, 480 Volt, 3 Wire, 3 Phase Assembled Panelboard, Main Lugs, 30 Circuit Capacity <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	4,002.81 834.24 60.96	933.83
26 24 16 00-0104 EA 225 Amp Rating, 32 - 20 Amp Breakers, 480 Volt, 3 Wire, 3 Phase Assembled Panelboard, Main Lugs, 42 Circuit Capacity <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	4,471.14 985.44 104.11	1,136.16
26 24 16 00-0105 EA 225 Amp Rating, 34 - 20 Amp Breakers, 480 Volt, 3 Wire, 3 Phase Assembled Panelboard, Main Lugs, 42 Circuit Capacity <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	4,691.64 985.44 104.11	1,136.16
26 24 16 00-0106 EA 225 Amp Rating, 36 - 20 Amp Breakers, 480 Volt, 3 Wire, 3 Phase Assembled Panelboard, Main Lugs, 42 Circuit Capacity <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	4,925.83 985.44 104.11	1,245.11
26 24 16 00-0107 EA 225 Amp Rating, 38 - 20 Amp Breakers, 480 Volt, 3 Wire, 3 Phase Assembled Panelboard, Main Lugs, 42 Circuit Capacity <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	5,099.14 985.44 104.11	1,245.11
26 24 16 00-0108 EA 225 Amp Rating, 40 - 20 Amp Breakers, 480 Volt, 3 Wire, 3 Phase Assembled Panelboard, Main Lugs, 54 Circuit Capacity <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	5,358.73 1,025.64 133.06	1,374.81
26 24 16 00-0109 EA 225 Amp Rating, 42 - 20 Amp Breakers, 480 Volt, 3 Wire, 3 Phase Assembled Panelboard, Main Lugs, 54 Circuit Capacity <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	5,546.55 1,025.64 133.06	1,374.81
26 24 16 00-0110 480 Volt, 3 Wire, 3 Phase, Main Breaker Assembled Panelboards <small>(26 24 16 00-0002)</small>		
26 24 16 00-0111 EA 50 Amp Rating, 8 - 20 Amp Breakers, 480 Volt, 3 Wire, 3 Phase Assembled Panelboard, Up To 50 Amp Main Breaker, 12 Circuit Capacity <i>For NEMA 3R Panelboard, Add</i>	2,017.82 758.59	352.78
26 24 16 00-0112 EA 50 Amp Rating, 10 - 20 Amp Breakers, 480 Volt, 3 Wire, 3 Phase Assembled Panelboard, Up To 50 Amp Main Breaker, 20 Circuit Capacity <i>For NEMA 3R Panelboard, Add</i>	2,237.39 758.59	383.91
26 24 16 00-0113 EA 50 Amp Rating, 12 - 20 Amp Breakers, 480 Volt, 3 Wire, 3 Phase Assembled Panelboard, Up To 50 Amp Main Breaker, 20 Circuit Capacity <i>For NEMA 3R Panelboard, Add</i>	2,459.30 758.59	477.29
26 24 16 00-0114 EA 100 Amp Rating, 14 - 20 Amp Breakers, 480 Volt, 3 Wire, 3 Phase Assembled Panelboard, >50 To 100 Amp Main Breaker, 20 Circuit Capacity <i>For NEMA 3R Panelboard, Add</i>	3,265.82 758.59	581.05
26 24 16 00-0115 EA 100 Amp Rating, 16 - 20 Amp Breakers, 480 Volt, 3 Wire, 3 Phase Assembled Panelboard, >50 To 100 Amp Main Breaker, 20 Circuit Capacity <i>For NEMA 3R Panelboard, Add</i>	3,492.09 758.59	643.31
26 24 16 00-0116 EA 100 Amp Rating, 18 - 20 Amp Breakers, 480 Volt, 3 Wire, 3 Phase Assembled Panelboard, >50 To 100 Amp Main Breaker, 24 Circuit Capacity <i>For NEMA 3R Panelboard, Add</i>	3,700.12 758.59	695.18
26 24 16 00-0117 EA 100 Amp Rating, 20 - 20 Amp Breakers, 480 Volt, 3 Wire, 3 Phase Assembled Panelboard, >50 To 100 Amp Main Breaker, 24 Circuit Capacity <i>For NEMA 3R Panelboard, Add</i>	3,927.33 758.59	757.44

26 Electrical
26 20 Low-Voltage Electrical Distribution
26 24 Switchboards And Panelboards



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0118	EA		100 Amp Rating, 22 - 20 Amp Breakers, 480 Volt, 3 Wire, 3 Phase Assembled Panelboard, >50 To 100 Amp Main Breaker, 30 Circuit Capacity	4,146.75	819.70
			<i>For NEMA 3R Panelboard, Add</i>	834.24	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	60.96	
26 24 16 00-0119	EA		100 Amp Rating, 24 - 20 Amp Breakers, 480 Volt, 3 Wire, 3 Phase Assembled Panelboard, >50 To 100 Amp Main Breaker, 30 Circuit Capacity	4,349.21	871.58
			<i>For NEMA 3R Panelboard, Add</i>	834.24	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	60.96	
26 24 16 00-0120	EA		100 Amp Rating, 26 - 20 Amp Breakers, 480 Volt, 3 Wire, 3 Phase Assembled Panelboard, >50 To 100 Amp Main Breaker, 30 Circuit Capacity	4,564.94	923.45
			<i>For NEMA 3R Panelboard, Add</i>	834.24	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	60.96	
26 24 16 00-0121	EA		100 Amp Rating, 28 - 20 Amp Breakers, 480 Volt, 3 Wire, 3 Phase Assembled Panelboard, >50 To 100 Amp Main Breaker, 30 Circuit Capacity	4,796.73	985.71
			<i>For NEMA 3R Panelboard, Add</i>	834.24	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	60.96	
26 24 16 00-0122	EA		100 Amp Rating, 30 - 20 Amp Breakers, 480 Volt, 3 Wire, 3 Phase Assembled Panelboard, >50 To 100 Amp Main Breaker, 30 Circuit Capacity	5,048.19	1,063.53
			<i>For NEMA 3R Panelboard, Add</i>	834.24	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	60.96	
26 24 16 00-0123	EA		225 Amp Rating, 32 - 20 Amp Breakers, 480 Volt, 3 Wire, 3 Phase Assembled Panelboard, >100 To 225 Amp Main Breaker, 42 Circuit Capacity	6,432.81	1,182.85
			<i>For NEMA 3R Panelboard, Add</i>	985.44	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	104.11	
26 24 16 00-0124	EA		225 Amp Rating, 34 - 20 Amp Breakers, 480 Volt, 3 Wire, 3 Phase Assembled Panelboard, >100 To 225 Amp Main Breaker, 42 Circuit Capacity	6,674.75	1,255.48
			<i>For NEMA 3R Panelboard, Add</i>	985.44	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	104.11	
26 24 16 00-0125	EA		225 Amp Rating, 36 - 20 Amp Breakers, 480 Volt, 3 Wire, 3 Phase Assembled Panelboard, >100 To 225 Amp Main Breaker, 42 Circuit Capacity	6,852.45	1,286.61
			<i>For NEMA 3R Panelboard, Add</i>	985.44	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	104.11	
26 24 16 00-0126	EA		225 Amp Rating, 38 - 20 Amp Breakers, 480 Volt, 3 Wire, 3 Phase Assembled Panelboard, >100 To 225 Amp Main Breaker, 42 Circuit Capacity	7,122.16	1,369.62
			<i>For NEMA 3R Panelboard, Add</i>	985.44	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	104.11	
26 24 16 00-0127	EA		225 Amp Rating, 40 - 20 Amp Breakers, 480 Volt, 3 Wire, 3 Phase Assembled Panelboard, >100 To 225 Amp Main Breaker, 54 Circuit Capacity	7,315.77	1,421.50
			<i>For NEMA 3R Panelboard, Add</i>	1,025.64	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	133.06	
26 24 16 00-0128	EA		225 Amp Rating, 42 - 20 Amp Breakers, 480 Volt, 3 Wire, 3 Phase Assembled Panelboard, >100 To 225 Amp Main Breaker, 54 Circuit Capacity	7,515.81	1,466.12
			<i>For NEMA 3R Panelboard, Add</i>	1,025.64	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	133.06	
26 24 16 00-0129			277/480 Volt, 4 Wire, 3 Phase, Main Lugs Assembled Panelboards (26 24 16 00-0002)		
26 24 16 00-0130	EA		100 Amp Rating, 8 - 20 Amp Breakers, 277/480 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 12 Circuit Capacity	2,310.31	363.16
			<i>For NEMA 3R Panelboard, Add</i>	758.59	
26 24 16 00-0131	EA		100 Amp Rating, 10 - 20 Amp Breakers, 277/480 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 20 Circuit Capacity	2,704.63	363.16
			<i>For NEMA 3R Panelboard, Add</i>	758.59	
26 24 16 00-0132	EA		100 Amp Rating, 12 - 20 Amp Breakers, 277/480 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 20 Circuit Capacity	3,092.63	482.48
			<i>For NEMA 3R Panelboard, Add</i>	758.59	
26 24 16 00-0133	EA		100 Amp Rating, 14 - 20 Amp Breakers, 277/480 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 20 Circuit Capacity	3,482.56	482.48
			<i>For NEMA 3R Panelboard, Add</i>	758.59	
26 24 16 00-0134	EA		100 Amp Rating, 16 - 20 Amp Breakers, 277/480 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 20 Circuit Capacity	3,876.39	596.62
			<i>For NEMA 3R Panelboard, Add</i>	758.59	
26 24 16 00-0135	EA		100 Amp Rating, 18 - 20 Amp Breakers, 277/480 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 24 Circuit Capacity	4,265.18	596.62
			<i>For NEMA 3R Panelboard, Add</i>	758.59	
26 24 16 00-0136	EA		100 Amp Rating, 20 - 20 Amp Breakers, 277/480 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 24 Circuit Capacity	4,657.89	715.94
			<i>For NEMA 3R Panelboard, Add</i>	758.59	
26 24 16 00-0137	EA		100 Amp Rating, 22 - 20 Amp Breakers, 277/480 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 30 Circuit Capacity	5,049.58	715.94
			<i>For NEMA 3R Panelboard, Add</i>	834.24	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	60.96	
26 24 16 00-0138	EA		100 Amp Rating, 24 - 20 Amp Breakers, 277/480 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 30 Circuit Capacity	5,463.60	840.45
			<i>For NEMA 3R Panelboard, Add</i>	834.24	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	60.96	
26 24 16 00-0139	EA		100 Amp Rating, 26 - 20 Amp Breakers, 277/480 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 30 Circuit Capacity	5,834.85	840.45
			<i>For NEMA 3R Panelboard, Add</i>	834.24	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	60.96	
26 24 16 00-0140	EA		100 Amp Rating, 28 - 20 Amp Breakers, 277/480 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 30 Circuit Capacity	6,218.60	845.63
			<i>For NEMA 3R Panelboard, Add</i>	834.24	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	60.96	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0141 EA 100 Amp Rating, 30 - 20 Amp Breakers, 277/480 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 30 Circuit Capacity <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	6,617.40 <i>834.24</i> <i>60.96</i>	845.63
26 24 16 00-0142 EA 225 Amp Rating, 32 - 20 Amp Breakers, 277/480 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 42 Circuit Capacity <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	7,280.59 <i>985.44</i> <i>104.11</i>	1,172.48
26 24 16 00-0143 EA 225 Amp Rating, 34 - 20 Amp Breakers, 277/480 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 42 Circuit Capacity <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	7,680.37 <i>985.44</i> <i>104.11</i>	1,172.48
26 24 16 00-0144 EA 225 Amp Rating, 36 - 20 Amp Breakers, 277/480 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 42 Circuit Capacity <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	8,022.37 <i>985.44</i> <i>104.11</i>	1,234.74
26 24 16 00-0145 EA 225 Amp Rating, 38 - 20 Amp Breakers, 277/480 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 42 Circuit Capacity <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	8,445.45 <i>985.44</i> <i>104.11</i>	1,317.74
26 24 16 00-0146 EA 225 Amp Rating, 40 - 20 Amp Breakers, 277/480 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 54 Circuit Capacity <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	8,800.71 <i>1,025.64</i> <i>133.06</i>	1,317.74
26 24 16 00-0147 EA 225 Amp Rating, 42 - 20 Amp Breakers, 277/480 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 54 Circuit Capacity <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	9,254.21 <i>1,025.64</i> <i>133.06</i>	1,442.25
26 24 16 00-0148 277/480 Volt, 4 Wire, 3 Phase, Main Breaker Assembled Panelboards <small>(26 24 16 00-0002)</small>		
26 24 16 00-0149 EA 50 Amp Rating, 8 - 20 Amp Breakers, 277/480 Volt, 4 Wire, 3 Phase Assembled Panelboard, Up To 50 Amp Main Breaker, 12 Circuit Capacity <i>For NEMA 3R Panelboard, Add</i>	2,811.63 <i>758.59</i>	446.17
26 24 16 00-0150 EA 50 Amp Rating, 10 - 20 Amp Breakers, 277/480 Volt, 4 Wire, 3 Phase Assembled Panelboard, Up To 50 Amp Main Breaker, 20 Circuit Capacity <i>For NEMA 3R Panelboard, Add</i>	3,211.70 <i>758.59</i>	446.17
26 24 16 00-0151 EA 50 Amp Rating, 12 - 20 Amp Breakers, 277/480 Volt, 4 Wire, 3 Phase Assembled Panelboard, Up To 50 Amp Main Breaker, 20 Circuit Capacity <i>For NEMA 3R Panelboard, Add</i>	3,602.37 <i>758.59</i>	591.43
26 24 16 00-0152 EA 100 Amp Rating, 14 - 20 Amp Breakers, 277/480 Volt, 4 Wire, 3 Phase Assembled Panelboard, >50 To 100 Amp Main Breaker, 20 Circuit Capacity <i>For NEMA 3R Panelboard, Add</i>	4,324.96 <i>758.59</i>	591.43
26 24 16 00-0153 EA 100 Amp Rating, 16 - 20 Amp Breakers, 277/480 Volt, 4 Wire, 3 Phase Assembled Panelboard, >50 To 100 Amp Main Breaker, 20 Circuit Capacity <i>For NEMA 3R Panelboard, Add</i>	4,725.26 <i>758.59</i>	747.07
26 24 16 00-0154 EA 100 Amp Rating, 18 - 20 Amp Breakers, 277/480 Volt, 4 Wire, 3 Phase Assembled Panelboard, >50 To 100 Amp Main Breaker, 24 Circuit Capacity <i>For NEMA 3R Panelboard, Add</i>	5,125.19 <i>758.59</i>	747.07
26 24 16 00-0155 EA 100 Amp Rating, 20 - 20 Amp Breakers, 277/480 Volt, 4 Wire, 3 Phase Assembled Panelboard, >50 To 100 Amp Main Breaker, 24 Circuit Capacity <i>For NEMA 3R Panelboard, Add</i>	5,517.33 <i>758.59</i>	856.01
26 24 16 00-0156 EA 100 Amp Rating, 22 - 20 Amp Breakers, 277/480 Volt, 4 Wire, 3 Phase Assembled Panelboard, >50 To 100 Amp Main Breaker, 30 Circuit Capacity <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	5,892.51 <i>834.24</i> <i>60.96</i>	856.01
26 24 16 00-0157 EA 100 Amp Rating, 24 - 20 Amp Breakers, 277/480 Volt, 4 Wire, 3 Phase Assembled Panelboard, >50 To 100 Amp Main Breaker, 30 Circuit Capacity <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	6,280.96 <i>834.24</i> <i>60.96</i>	975.33
26 24 16 00-0158 EA 100 Amp Rating, 26 - 20 Amp Breakers, 277/480 Volt, 4 Wire, 3 Phase Assembled Panelboard, >50 To 100 Amp Main Breaker, 30 Circuit Capacity <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	6,685.47 <i>834.24</i> <i>60.96</i>	975.33
26 24 16 00-0159 EA 100 Amp Rating, 28 - 20 Amp Breakers, 277/480 Volt, 4 Wire, 3 Phase Assembled Panelboard, >50 To 100 Amp Main Breaker, 30 Circuit Capacity <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	7,056.93 <i>834.24</i> <i>60.96</i>	1,079.10
26 24 16 00-0160 EA 100 Amp Rating, 30 - 20 Amp Breakers, 277/480 Volt, 4 Wire, 3 Phase Assembled Panelboard, >50 To 100 Amp Main Breaker, 30 Circuit Capacity <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	7,438.45 <i>834.24</i> <i>60.96</i>	1,079.10
26 24 16 00-0161 EA 225 Amp Rating, 32 - 20 Amp Breakers, 277/480 Volt, 4 Wire, 3 Phase Assembled Panelboard, >100 To 225 Amp Main Breaker, 42 Circuit Capacity <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	9,938.45 <i>985.44</i> <i>104.11</i>	1,276.24
26 24 16 00-0162 EA 225 Amp Rating, 34 - 20 Amp Breakers, 277/480 Volt, 4 Wire, 3 Phase Assembled Panelboard, >100 To 225 Amp Main Breaker, 42 Circuit Capacity <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	10,361.53 <i>985.44</i> <i>104.11</i>	1,276.24
26 24 16 00-0163 EA 225 Amp Rating, 36 - 20 Amp Breakers, 277/480 Volt, 4 Wire, 3 Phase Assembled Panelboard, >100 To 225 Amp Main Breaker, 42 Circuit Capacity <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	10,716.79 <i>985.44</i> <i>104.11</i>	1,395.55

26	Electrical
26 20	Low-Voltage Electrical Distribution
26 24	Switchboards And Panelboards



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0164	EA		225 Amp Rating, 38 - 20 Amp Breakers, 277/480 Volt, 4 Wire, 3 Phase Assembled Panelboard, >100 To 225 Amp Main Breaker, 42 Circuit Capacity	11,170.29	1,395.55
			<i>For NEMA 3R Panelboard, Add</i>	985.44	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	104.11	
26 24 16 00-0165	EA		225 Amp Rating, 40 - 20 Amp Breakers, 277/480 Volt, 4 Wire, 3 Phase Assembled Panelboard, >100 To 225 Amp Main Breaker, 54 Circuit Capacity	11,543.05	1,525.26
			<i>For NEMA 3R Panelboard, Add</i>	1,025.64	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	133.06	
26 24 16 00-0166	EA		225 Amp Rating, 42 - 20 Amp Breakers, 277/480 Volt, 4 Wire, 3 Phase Assembled Panelboard, >100 To 225 Amp Main Breaker, 54 Circuit Capacity	8,199.41	1,525.26
			<i>For NEMA 3R Panelboard, Add</i>	1,025.64	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	133.06	
26 24 16 00-0167	EA		400 Amp Rating, 42 - 20 Amp Breakers, 277/480 Volt, 4 Wire, 3 Phase Assembled Panelboard, >225 To 400 Amp Main Breaker, 54 Circuit Capacity	13,813.98	1,698.54
			<i>For NEMA 3R Panelboard, Add</i>	1,025.64	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	133.06	
26 24 16 00-0168	EA		600 Amp Rating, 42 - 20 Amp Breakers, 277/480 Volt, 4 Wire, 3 Phase Assembled Panelboard, >400 To 600 Amp Main Breaker, 54 Circuit Capacity	16,856.80	2,038.86
			<i>For NEMA 3R Panelboard, Add</i>	1,025.64	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	133.06	
26 24 16 00-0169			Unassembled Lighting And Power Panelboards <small>(26 24 16 00-0001)</small> Note: Listed panelboards include the main device (lugs or breaker), connection of main service cable from meter and that portion of the panel box, trim and interior occupied by that device. Spaces include that portion of the panel box, trim and interior reserved by that space. The maximum single pole capacity of the panelboard main device (lugs, breakers) is indicated. Excludes branch breakers. A complete panelboard will be the sum of main device and the branch circuit breakers and spaces (within the capacity of the main device).		
26 24 16 00-0170			240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboards <small>(26 24 16 00-0169)</small> Note: As manufactured by Square D or equal. Accepts plug-on and bolt-on breakers.		
26 24 16 00-0171			Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboards <small>(26 24 16 00-0170)</small>		
26 24 16 00-0172	EA		100 Amp Rating, 12 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboard	622.31	
26 24 16 00-0173	EA		100 Amp Rating, 20 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboard	715.08	
26 24 16 00-0174	EA		225 Amp Rating, 30 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboard	969.55	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	60.96	
26 24 16 00-0175	EA		225 Amp Rating, 42 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboard	1,118.24	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	104.11	
26 24 16 00-0176	EA		225 Amp Rating, 54 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboard	1,264.61	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	133.06	
26 24 16 00-0177	EA		400 Amp Rating, 30 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboard	1,412.44	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	60.96	
26 24 16 00-0178	EA		400 Amp Rating, 42 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboard	1,532.70	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	104.11	
26 24 16 00-0179	EA		400 Amp Rating, 54 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboard	1,677.52	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	133.06	
26 24 16 00-0180	EA		600 Amp Rating, 30 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboard	1,809.42	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	60.96	
26 24 16 00-0181	EA		600 Amp Rating, 42 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboard	1,928.73	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	104.11	
26 24 16 00-0182	EA		600 Amp Rating, 54 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboard	2,104.33	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	133.06	
26 24 16 00-0183			Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboards <small>(26 24 16 00-0170)</small>		
26 24 16 00-0184	EA		100 Amp Rating, 12 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboard	924.56	
26 24 16 00-0185	EA		100 Amp Rating, 20 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboard	1,045.99	
26 24 16 00-0186	EA		225 Amp Rating, 30 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboard	1,672.76	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	60.96	
26 24 16 00-0187	EA		225 Amp Rating, 42 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboard	1,855.44	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	104.11	
26 24 16 00-0188	EA		225 Amp Rating, 54 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboard	2,026.33	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	133.06	
26 24 16 00-0189	EA		400 Amp Rating, 30 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboard	3,542.53	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	60.96	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0190 EA 400 Amp Rating, 42 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboard	3,743.66	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>	104.11	
26 24 16 00-0191 EA 400 Amp Rating, 54 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboard	3,926.43	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>	133.06	
26 24 16 00-0192 Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboards <small>(26 24 16 00-0170)</small>		
26 24 16 00-0193 EA 100 Amp Rating, 12 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboard	1,269.67	
26 24 16 00-0194 EA 100 Amp Rating, 20 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboard	1,355.05	
26 24 16 00-0195 EA 225 Amp Rating, 30 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboard	1,594.09	
26 24 16 00-0196 EA 225 Amp Rating, 42 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboard	1,739.71	
26 24 16 00-0197 EA 225 Amp Rating, 54 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboard	1,874.36	
26 24 16 00-0198 EA 400 Amp Rating, 30 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboard	2,141.80	
26 24 16 00-0199 EA 400 Amp Rating, 42 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboard	2,254.05	
26 24 16 00-0200 EA 400 Amp Rating, 54 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboard	2,391.47	
26 24 16 00-0201 EA 600 Amp Rating, 30 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboard	2,580.08	
26 24 16 00-0202 EA 600 Amp Rating, 42 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboard	2,695.00	
26 24 16 00-0203 EA 600 Amp Rating, 54 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboard	2,859.14	
26 24 16 00-0204 Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboards <small>(26 24 16 00-0170)</small>		
26 24 16 00-0205 EA 100 Amp Rating, 12 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboard	1,564.52	
26 24 16 00-0206 EA 100 Amp Rating, 20 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboard	1,677.94	
26 24 16 00-0207 EA 225 Amp Rating, 30 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboard	2,416.91	
26 24 16 00-0208 EA 225 Amp Rating, 42 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboard	2,584.80	
26 24 16 00-0209 EA 225 Amp Rating, 54 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboard	2,744.59	
26 24 16 00-0210 EA 400 Amp Rating, 30 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboard	4,245.37	
26 24 16 00-0211 EA 400 Amp Rating, 42 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboard	4,439.11	
26 24 16 00-0212 EA 400 Amp Rating, 54 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboard	4,620.03	
26 24 16 00-0213 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboards <small>(26 24 16 00-0169)</small>		
<small>Note: As manufactured by Square D or equal. Accepts plug-on and bolt-on breakers</small>		
26 24 16 00-0214 Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboards <small>(26 24 16 00-0213)</small>		
26 24 16 00-0215 EA 100 Amp Rating, 12 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard	700.63	
26 24 16 00-0216 EA 100 Amp Rating, 24 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard	823.23	
26 24 16 00-0217 EA 100 Amp Rating, 30 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard	925.23	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>	60.96	
26 24 16 00-0218 EA 225 Amp Rating, 30 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard	1,044.47	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>	60.96	
26 24 16 00-0219 EA 225 Amp Rating, 42 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard	1,201.70	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>	104.11	
26 24 16 00-0220 EA 225 Amp Rating, 54 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard	1,330.03	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>	133.06	
26 24 16 00-0221 EA 400 Amp Rating, 30 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard	1,533.14	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>	60.96	
26 24 16 00-0222 EA 400 Amp Rating, 42 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard	1,651.16	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>	104.11	

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 24 Switchboards And Panelboards**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0223 EA 400 Amp Rating, 54 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard	1,781.00	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>	133.06	
26 24 16 00-0224 EA 600 Amp Rating, 30 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard	1,943.68	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>	60.96	
26 24 16 00-0225 EA 600 Amp Rating, 42 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard	2,147.05	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>	104.11	
26 24 16 00-0226 EA 600 Amp Rating, 54 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard	2,545.22	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>	133.06	
26 24 16 00-0227 Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboards <small>(26 24 16 00-0213)</small>		
26 24 16 00-0228 EA 100 Amp Rating, 12 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard	1,084.91	
26 24 16 00-0229 EA 100 Amp Rating, 24 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard	1,223.08	
26 24 16 00-0230 EA 100 Amp Rating, 30 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard	1,396.33	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>	60.96	
26 24 16 00-0231 EA 225 Amp Rating, 30 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard	2,076.13	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>	60.96	
26 24 16 00-0232 EA 225 Amp Rating, 42 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard	2,247.20	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>	104.11	
26 24 16 00-0233 EA 225 Amp Rating, 54 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard	2,404.45	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>	133.06	
26 24 16 00-0234 EA 400 Amp Rating, 30 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard	3,336.94	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>	60.96	
26 24 16 00-0235 EA 400 Amp Rating, 42 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard	3,523.05	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>	104.11	
26 24 16 00-0236 EA 400 Amp Rating, 54 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard	3,677.84	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>	133.06	
26 24 16 00-0237 Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboards <small>(26 24 16 00-0213)</small>		
26 24 16 00-0238 EA 100 Amp Rating, 12 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard	1,347.99	
26 24 16 00-0239 EA 100 Amp Rating, 24 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard	1,463.19	
26 24 16 00-0240 EA 100 Amp Rating, 30 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard	1,557.18	
26 24 16 00-0241 EA 225 Amp Rating, 30 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard	1,669.02	
26 24 16 00-0242 EA 225 Amp Rating, 42 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard	1,823.16	
26 24 16 00-0243 EA 225 Amp Rating, 54 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard	1,939.78	
26 24 16 00-0244 EA 400 Amp Rating, 30 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard	2,262.50	
26 24 16 00-0245 EA 400 Amp Rating, 42 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard	2,372.51	
26 24 16 00-0246 EA 400 Amp Rating, 54 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard	2,494.94	
26 24 16 00-0247 EA 600 Amp Rating, 30 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard	2,714.34	
26 24 16 00-0248 EA 600 Amp Rating, 42 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard	2,903.54	
26 24 16 00-0249 EA 600 Amp Rating, 54 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard	3,301.71	
26 24 16 00-0250 Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboards <small>(26 24 16 00-0213)</small>		
26 24 16 00-0251 EA 100 Amp Rating, 12 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard	1,724.87	
26 24 16 00-0252 EA 100 Amp Rating, 24 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard	1,855.03	
26 24 16 00-0253 EA 100 Amp Rating, 30 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard	2,023.96	
26 24 16 00-0254 EA 225 Amp Rating, 30 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard	2,820.28	
26 24 16 00-0255 EA 225 Amp Rating, 42 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard	2,976.56	



Electrical	26
Low-Voltage Electrical Distribution	26 20
Switchboards And Panelboards	26 24

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0256 EA 225 Amp Rating, 54 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard	3,122.71	
26 24 16 00-0257 EA 400 Amp Rating, 30 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard	4,686.16	
26 24 16 00-0258 EA 400 Amp Rating, 42 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard	4,878.68	
26 24 16 00-0259 EA 400 Amp Rating, 54 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard	5,044.32	
26 24 16 00-0260 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboards (26 24 16 00-0169)		
Note: As manufactured by Square D or equal.		
26 24 16 00-0261 Main Lugs, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboards (26 24 16 00-0260)		
26 24 16 00-0262 EA 125 Amp Rating, 12 Circuit Capacity, Main Lugs, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	1,010.16	
26 24 16 00-0263 EA 125 Amp Rating, 18 Circuit Capacity, Main Lugs, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	1,106.88	
26 24 16 00-0264 EA 250 Amp Rating, 30 Circuit Capacity, Main Lugs, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	1,525.33	
For Door-In-Door (Hinged) Trim Front, Add	60.96	
26 24 16 00-0265 EA 250 Amp Rating, 42 Circuit Capacity, Main Lugs, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	1,699.29	
For Door-In-Door (Hinged) Trim Front, Add	104.11	
26 24 16 00-0266 EA 250 Amp Rating, 54 Circuit Capacity, Main Lugs, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	1,849.59	
For Door-In-Door (Hinged) Trim Front, Add	133.06	
26 24 16 00-0267 EA 400 Amp Rating, 30 Circuit Capacity, Main Lugs, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	1,839.36	
For Door-In-Door (Hinged) Trim Front, Add	60.96	
26 24 16 00-0268 EA 400 Amp Rating, 42 Circuit Capacity, Main Lugs, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	1,936.62	
For Door-In-Door (Hinged) Trim Front, Add	104.11	
26 24 16 00-0269 EA 400 Amp Rating, 54 Circuit Capacity, Main Lugs, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	2,102.82	
For Door-In-Door (Hinged) Trim Front, Add	133.06	
26 24 16 00-0270 EA 600 Amp Rating, 30 Circuit Capacity, Main Lugs, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	2,204.85	
For Door-In-Door (Hinged) Trim Front, Add	60.96	
26 24 16 00-0271 EA 600 Amp Rating, 42 Circuit Capacity, Main Lugs, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	2,363.17	
For Door-In-Door (Hinged) Trim Front, Add	104.11	
26 24 16 00-0272 EA 600 Amp Rating, 54 Circuit Capacity, Main Lugs, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	2,579.30	
For Door-In-Door (Hinged) Trim Front, Add	133.06	
26 24 16 00-0273 Main Breaker, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboards (26 24 16 00-0260)		
26 24 16 00-0274 EA 100 Amp Rating, 12 Circuit Capacity, Main Breaker, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	2,080.14	
26 24 16 00-0275 EA 100 Amp Rating, 18 Circuit Capacity, Main Breaker, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	2,145.90	
26 24 16 00-0276 EA 125 Amp Rating, 18 Circuit Capacity, Main Breaker, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	2,329.02	
26 24 16 00-0277 EA 125 Amp Rating, 30 Circuit Capacity, Main Breaker, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	2,452.20	
For Door-In-Door (Hinged) Trim Front, Add	60.96	
26 24 16 00-0278 EA 125 Amp Rating, 42 Circuit Capacity, Main Breaker, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	2,693.57	
For Door-In-Door (Hinged) Trim Front, Add	104.11	
26 24 16 00-0279 EA 250 Amp Rating, 30 Circuit Capacity, Main Breaker, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	3,501.89	
For Door-In-Door (Hinged) Trim Front, Add	60.96	
26 24 16 00-0280 EA 250 Amp Rating, 42 Circuit Capacity, Main Breaker, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	3,653.90	
For Door-In-Door (Hinged) Trim Front, Add	104.11	
26 24 16 00-0281 EA 250 Amp Rating, 54 Circuit Capacity, Main Breaker, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	3,848.97	
For Door-In-Door (Hinged) Trim Front, Add	133.06	
26 24 16 00-0282 EA 400 Amp Rating, 30 Circuit Capacity, Main Breaker, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	3,963.83	
For Door-In-Door (Hinged) Trim Front, Add	60.96	
26 24 16 00-0283 EA 400 Amp Rating, 42 Circuit Capacity, Main Breaker, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	4,163.82	
For Door-In-Door (Hinged) Trim Front, Add	104.11	
26 24 16 00-0284 EA 400 Amp Rating, 54 Circuit Capacity, Main Breaker, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	4,346.27	
For Door-In-Door (Hinged) Trim Front, Add	133.06	
26 24 16 00-0285 Main Lugs, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboards (26 24 16 00-0260)		

26	Electrical
26 20	Low-Voltage Electrical Distribution
26 24	Switchboards And Panelboards



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0286 EA 125 Amp Rating, 12 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	1,635.32	
26 24 16 00-0287 EA 125 Amp Rating, 18 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	1,732.04	
26 24 16 00-0288 EA 250 Amp Rating, 30 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	2,135.69	
26 24 16 00-0289 EA 250 Amp Rating, 42 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	2,416.93	
26 24 16 00-0290 EA 250 Amp Rating, 54 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	2,554.90	
26 24 16 00-0291 EA 400 Amp Rating, 30 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	2,544.68	
26 24 16 00-0292 EA 400 Amp Rating, 42 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	2,623.44	
26 24 16 00-0293 EA 400 Amp Rating, 54 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	2,763.12	
26 24 16 00-0294 EA 600 Amp Rating, 30 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	2,926.81	
26 24 16 00-0295 EA 600 Amp Rating, 42 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	3,070.00	
26 24 16 00-0296 EA 600 Amp Rating, 54 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	3,253.62	
26 24 16 00-0297 Main Breaker, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboards <small>(26 24 16 00-0286)</small>		
26 24 16 00-0298 EA 100 Amp Rating, 12 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	2,838.48	
26 24 16 00-0299 EA 100 Amp Rating, 18 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	2,904.24	
26 24 16 00-0300 EA 125 Amp Rating, 18 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	2,944.93	
26 24 16 00-0301 EA 125 Amp Rating, 30 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	3,062.57	
26 24 16 00-0302 EA 125 Amp Rating, 42 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	3,411.22	
26 24 16 00-0303 EA 250 Amp Rating, 30 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	4,207.20	
26 24 16 00-0304 EA 250 Amp Rating, 42 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	4,340.72	
26 24 16 00-0305 EA 250 Amp Rating, 54 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	4,509.28	
26 24 16 00-0306 EA 400 Amp Rating, 30 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	4,624.14	
26 24 16 00-0307 EA 400 Amp Rating, 42 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	4,807.16	
26 24 16 00-0308 EA 400 Amp Rating, 54 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	4,986.99	
26 24 16 00-0309 480Y/277 Volt AC, 4 Wire, 3 Phase, Unassembled Panelboards <small>(26 24 16 00-0169)</small>		
Note: As manufactured by Square D or equal.		
26 24 16 00-0310 Main Lugs, NEMA 1, 480Y/277 Volt AC, 4 Wire, 3 Phase, Unassembled Panelboards <small>(26 24 16 00-0309)</small>		
26 24 16 00-0311 EA 125 Amp, 12 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1 Panelboard, Main Lugs, Unassembled	1,052.08	
26 24 16 00-0312 EA 125 Amp, 18 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1 Panelboard, Main Lugs, Unassembled	1,149.42	
26 24 16 00-0313 EA 125 Amp, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1 Panelboard, Main Lugs, Unassembled	1,329.06	
For Door-In-Door (Hinged) Trim Front, Add	60.96	
26 24 16 00-0314 EA 250 Amp, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1 Panelboard, Main Lugs, Unassembled	1,587.02	
For Door-In-Door (Hinged) Trim Front, Add	60.96	
26 24 16 00-0315 EA 250 Amp, 42 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1 Panelboard, Main Lugs, Unassembled	1,762.32	
For Door-In-Door (Hinged) Trim Front, Add	104.11	
26 24 16 00-0316 EA 250 Amp, 54 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1 Panelboard, Main Lugs, Unassembled	1,911.42	
For Door-In-Door (Hinged) Trim Front, Add	133.06	
26 24 16 00-0317 EA 400 Amp, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1 Panelboard, Main Lugs, Unassembled	1,920.94	
For Door-In-Door (Hinged) Trim Front, Add	60.96	
26 24 16 00-0318 EA 400 Amp, 42 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1 Panelboard, Main Lugs, Unassembled	2,037.73	
For Door-In-Door (Hinged) Trim Front, Add	104.11	
26 24 16 00-0319 EA 400 Amp, 54 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1 Panelboard, Main Lugs, Unassembled	2,202.69	
For Door-In-Door (Hinged) Trim Front, Add	133.06	
26 24 16 00-0320 EA 600 Amp, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1 Panelboard, Main Lugs, Unassembled	2,304.97	
For Door-In-Door (Hinged) Trim Front, Add	60.96	
26 24 16 00-0321 EA 600 Amp, 42 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1 Panelboard, Main Lugs, Unassembled	2,463.95	
For Door-In-Door (Hinged) Trim Front, Add	104.11	
26 24 16 00-0322 EA 600 Amp, 54 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1 Panelboard, Main Lugs, Unassembled	2,680.86	
For Door-In-Door (Hinged) Trim Front, Add	133.06	
26 24 16 00-0323 Main Breaker, NEMA 1, 480Y/277 Volt AC, 4 Wire, 3 Phase, Unassembled Panelboards <small>(26 24 16 00-0309)</small>		
26 24 16 00-0324 EA 100 Amp, 12 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1 Panelboard, Main Breaker, Unassembled	2,295.93	
26 24 16 00-0325 EA 100 Amp, 18 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1 Panelboard, Main Breaker, Unassembled	2,362.30	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0326 EA 100 Amp, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1 Panelboard, Main Breaker, Unassembled <i>For Door-In-Door (Hinged) Trim Front, Add</i>	2,559.04 60.96	
26 24 16 00-0327 EA 125 Amp, 18 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1 Panelboard, Main Breaker, Unassembled <i>For Door-In-Door (Hinged) Trim Front, Add</i>	2,625.63 60.96	
26 24 16 00-0328 EA 125 Amp, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1 Panelboard, Main Breaker, Unassembled <i>For Door-In-Door (Hinged) Trim Front, Add</i>	2,749.34 60.96	
26 24 16 00-0329 EA 125 Amp, 42 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1 Panelboard, Main Breaker, Unassembled <i>For Door-In-Door (Hinged) Trim Front, Add</i>	2,990.07 104.11	
26 24 16 00-0330 EA 250 Amp, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1 Panelboard, Main Breaker, Unassembled <i>For Door-In-Door (Hinged) Trim Front, Add</i>	3,849.86 60.96	
26 24 16 00-0331 EA 250 Amp, 42 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1 Panelboard, Main Breaker, Unassembled <i>For Door-In-Door (Hinged) Trim Front, Add</i>	4,003.70 104.11	
26 24 16 00-0332 EA 250 Amp, 54 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1 Panelboard, Main Breaker, Unassembled <i>For Door-In-Door (Hinged) Trim Front, Add</i>	4,196.71 133.06	
26 24 16 00-0333 EA 400 Amp, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1 Panelboard, Main Breaker, Unassembled <i>For Door-In-Door (Hinged) Trim Front, Add</i>	4,380.79 60.96	
26 24 16 00-0334 EA 400 Amp, 42 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1 Panelboard, Main Breaker, Unassembled <i>For Door-In-Door (Hinged) Trim Front, Add</i>	4,582.74 104.11	
26 24 16 00-0335 EA 400 Amp, 54 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1 Panelboard, Main Breaker, Unassembled <i>For Door-In-Door (Hinged) Trim Front, Add</i>	4,765.03 133.06	
 26 24 16 00-0336 Main Lugs, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 4 Wire, 3 Phase, Unassembled Panelboards <small>(26 24 16 00-0309)</small>		
26 24 16 00-0337 EA 125 Amp, 12 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12 Panelboard, Main Lugs, Unassembled.....	1,677.24	
26 24 16 00-0338 EA 125 Amp, 18 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12 Panelboard, Main Lugs, Unassembled.....	1,774.58	
26 24 16 00-0339 EA 125 Amp, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12 Panelboard, Main Lugs, Unassembled.....	1,944.98	
26 24 16 00-0340 EA 250 Amp, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12 Panelboard, Main Lugs, Unassembled.....	2,197.39	
26 24 16 00-0341 EA 250 Amp, 42 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12 Panelboard, Main Lugs, Unassembled.....	2,479.96	
26 24 16 00-0342 EA 250 Amp, 54 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12 Panelboard, Main Lugs, Unassembled.....	2,616.73	
26 24 16 00-0343 EA 400 Amp, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12 Panelboard, Main Lugs, Unassembled.....	2,628.11	
26 24 16 00-0344 EA 400 Amp, 42 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12 Panelboard, Main Lugs, Unassembled.....	2,724.55	
26 24 16 00-0345 EA 400 Amp, 54 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12 Panelboard, Main Lugs, Unassembled.....	2,863.00	
26 24 16 00-0346 EA 600 Amp, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12 Panelboard, Main Lugs, Unassembled.....	3,026.93	
26 24 16 00-0347 EA 600 Amp, 42 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12 Panelboard, Main Lugs, Unassembled.....	3,170.50	
26 24 16 00-0348 EA 600 Amp, 54 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12 Panelboard, Main Lugs, Unassembled.....	3,354.11	
 26 24 16 00-0349 Main Breaker, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 4 Wire, 3 Phase, Unassembled Panelboards <small>(26 24 16 00-0309)</small>		
26 24 16 00-0350 EA 100 Amp, 12 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12 Panelboard, Main Breaker, Unassembled.....	2,906.30	
26 24 16 00-0351 EA 100 Amp, 18 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12 Panelboard, Main Breaker, Unassembled.....	2,972.67	
26 24 16 00-0352 EA 100 Amp, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12 Panelboard, Main Breaker, Unassembled.....	3,276.69	
26 24 16 00-0353 EA 125 Amp, 18 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12 Panelboard, Main Breaker, Unassembled.....	3,241.55	
26 24 16 00-0354 EA 125 Amp, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12 Panelboard, Main Breaker, Unassembled.....	3,359.71	
26 24 16 00-0355 EA 125 Amp, 42 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12 Panelboard, Main Breaker, Unassembled.....	3,707.71	
26 24 16 00-0356 EA 250 Amp, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12 Panelboard, Main Breaker, Unassembled.....	4,555.18	
26 24 16 00-0357 EA 250 Amp, 42 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12 Panelboard, Main Breaker, Unassembled.....	4,690.52	
26 24 16 00-0358 EA 250 Amp, 54 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12 Panelboard, Main Breaker, Unassembled.....	4,857.02	
26 24 16 00-0359 EA 400 Amp, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12 Panelboard, Main Breaker, Unassembled.....	5,041.09	
26 24 16 00-0360 EA 400 Amp, 42 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12 Panelboard, Main Breaker, Unassembled.....	5,225.79	
26 24 16 00-0361 EA 400 Amp, 54 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12 Panelboard, Main Breaker, Unassembled.....	5,405.00	
 26 24 16 00-0362 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboards <small>(26 24 16 00-0169)</small>		
Note: Square D I-Line or equal.		
 26 24 16 00-0363 Main Lugs, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboards <small>(26 24 16 00-0362)</small>		

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 24 Switchboards And Panelboards**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0364 EA 400 Amp Rating, 27" Breaker Mounting Space, 250 Amp Maximum Branch Breaker Size, Main Lugs, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard.....	1,770.79	308.76
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	185.26	
26 24 16 00-0365 EA 400 Amp Rating, 45" Breaker Mounted Space, 250 Amp Maximum Branch Breaker Size, Main Lugs, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard.....	2,079.85	308.66
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	185.21	
26 24 16 00-0366 EA 400 Amp Rating, 63" Breaker Mounting Space, 250 Amp Maximum Branch Breaker Size, Main Lugs, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard.....	2,312.57	308.66
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	185.21	
26 24 16 00-0367 EA 600 Amp Rating, 27" Breaker Mounting Space, 250 Amp Maximum Branch Breaker Size, Main Lugs, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard.....	2,619.78	506.92
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	304.15	
26 24 16 00-0368 EA 600 Amp Rating, 45" Breaker Mounting Space, 250 Amp Maximum Branch Breaker Size, Main Lugs, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard.....	2,799.90	506.92
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	304.15	
26 24 16 00-0369 EA 600 Amp Rating, 63" Breaker Mounting Space, 250 Amp Maximum Branch Breaker Size, Main Lugs, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard.....	2,997.55	506.92
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	304.15	
26 24 16 00-0370 EA 800 Amp Rating, 27" Breaker Mounting Space, 250 Amp Maximum Branch Breaker Size, Main Lugs, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard.....	3,223.79	673.86
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	404.30	
26 24 16 00-0371 EA 800 Amp Rating, 45" Breaker Mounting Space, 250 Amp Maximum Branch Breaker Size, Main Lugs, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard.....	3,396.86	675.86
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	405.53	
26 24 16 00-0372 EA 800 Amp Rating, 63" Breaker Mounting Space, 250 Amp Maximum Branch Breaker Size, Main Lugs, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard.....	3,467.67	673.86
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	404.30	
26 24 16 00-0373 EA 800 Amp Rating, 99" Breaker Mounting Space, 250 Amp Maximum Branch Breaker Size, Main Lugs, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard.....	4,039.11	673.86
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	404.30	
26 24 16 00-0374 EA 1,200 Amp Rating, 27" Breaker Mounting Space, 600 Amp Maximum Branch Breaker Size, Main Lugs, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard.....	5,248.32	1,013.83
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	608.30	
26 24 16 00-0375 EA 1,200 Amp Rating, 45" Breaker Mounting Space, 600 Amp Maximum Branch Breaker Size, Main Lugs, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard.....	5,637.26	1,013.83
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	608.30	
26 24 16 00-0376 EA 1,200 Amp Rating, 63" Breaker Mounting Space, 600 Amp Maximum Branch Breaker Size, Main Lugs, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard.....	5,955.26	1,013.83
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	608.30	
26 24 16 00-0377 EA 1,200 Amp Rating, 99" Breaker Mounting Space, 600 Amp Maximum Branch Breaker Size, Main Lugs, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard.....	6,343.39	1,013.83
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	608.30	
26 24 16 00-0378 Main Breaker, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboards <small>(26 24 16 00-0362)</small>		
26 24 16 00-0379 EA 225 Amp Rating, 36" Breaker Mounting Space, 250 Amp Maximum Branch Breaker Size, Main Breaker, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard.....	3,455.11	315.31
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	189.17	
26 24 16 00-0380 EA 400 Amp Rating, 27" Breaker Mounting Space, 250 Amp Maximum Branch Breaker Size, Main Breaker, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard.....	4,542.42	357.61
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	214.58	
26 24 16 00-0381 EA 400 Amp Rating, 45" Breaker Mounting Space, 250 Amp Maximum Branch Breaker Size, Main Breaker, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard.....	4,767.18	357.61
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	214.58	
26 24 16 00-0382 EA 400 Amp Rating, 81" Breaker Mounting Space, 250 Amp Maximum Branch Breaker Size, Main Breaker, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard.....	5,428.68	357.61
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	214.58	
26 24 16 00-0383 EA 600 Amp Rating, 36" Breaker Mounting Space, 250 Amp Maximum Branch Breaker Size, Main Breaker, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard.....	7,066.26	586.21
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	351.75	
26 24 16 00-0384 EA 600 Amp Rating, 72" Breaker Mounting Space, 250 Amp Maximum Branch Breaker Size, Main Breaker, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard.....	7,437.58	587.83
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	352.69	
26 24 16 00-0385 EA 600 Amp Rating, 72" Breaker Mounting Space, 600 Amp Maximum Branch Breaker Size, Main Breaker, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard.....	7,743.71	586.21
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	351.75	
26 24 16 00-0386 EA 800 Amp Rating, 36" Breaker Mounting Space, 250 Amp Maximum Branch Breaker Size, Main Breaker, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard.....	8,929.31	783.71
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	470.25	
26 24 16 00-0387 EA 800 Amp Rating, 72" Breaker Mounting Space, 250 Amp Maximum Branch Breaker Size, Main Breaker, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard.....	9,369.29	780.96
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	468.59	
26 24 16 00-0388 EA 800 Amp Rating, 72" Breaker Mounting Space, 600 Amp Maximum Branch Breaker Size, Main Breaker, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard.....	9,807.64	780.96
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	468.59	
26 24 16 00-0389 Branch Circuit Breakers <small>(26 24 16 00-0001)</small>		
Note: For installation in existing and new panelboards. Use task modifier for installation in new panelboards.		
26 24 16 00-0390 Branch Circuit Breakers 10,000 Amp Interrupting Capacity, Plug-On <small>(26 24 16 00-0389)</small>		
Note: Includes connection of electrical wire.		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0391 EA 1 Pole, 120/240 Volt, 15-30 Amp, Branch Circuit Breaker, 10,000 Amp Interrupting Capacity.....	49.21	18.67
<i>For Bolt-On, Add</i>	13.41	
<i>For Installation In New Panelboard, Deduct</i>	-10.38	
<i>Note: Also for use with new interiors in panelboards.</i>		
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.45	
26 24 16 00-0392 EA 1 Pole, 120/240 Volt, 35-60 Amp, Branch Circuit Breaker, 10,000 Amp Interrupting Capacity.....	49.21	18.67
<i>For Bolt-On, Add</i>	13.41	
<i>For Installation In New Panelboard, Deduct</i>	-10.38	
<i>Note: Also for use with new interiors in panelboards.</i>		
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.45	
26 24 16 00-0393 EA 1 Pole, 120/240 Volt, 70-100 Amp, Branch Circuit Breaker, 10,000 Amp Interrupting Capacity.....	69.68	23.34
<i>For Bolt-On, Add</i>	17.79	
<i>For Installation In New Panelboard, Deduct</i>	-12.97	
<i>Note: Also for use with new interiors in panelboards.</i>		
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15.56	
26 24 16 00-0394 EA 1 Pole GFI, 120/240 Volt, 15-30 Amp, Branch Circuit Breaker, 10,000 Amp Interrupting Capacity.....	98.22	22.83
<i>For Bolt-On, Add</i>	20.99	
<i>For Installation In New Panelboard, Deduct</i>	-12.45	
<i>Note: Also for use with new interiors in panelboards.</i>		
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.94	
26 24 16 00-0395 EA 1 Pole GFI, 120/240 Volt, 35-60 Amp, Branch Circuit Breaker, 10,000 Protection Circuit Breaker, 10,000 Amp Interrupting Capacity	133.21	22.83
<i>For Bolt-On, Add</i>	25.37	
<i>For Installation In New Panelboard, Deduct</i>	-12.45	
<i>Note: Also for use with new interiors in panelboards.</i>		
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.94	
26 24 16 00-0396 EA 1 Pole GFI, 120/240 Volt, 15-30 Amp, UL Listed 30mA Equipment Protection Circuit Breaker, 10,000 Amp Interrupting Capacity	153.17	22.83
<i>For Bolt-On, Add</i>	27.86	
<i>For Installation In New Panelboard, Deduct</i>	-12.45	
<i>Note: Also for use with new interiors in panelboards.</i>		
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.94	
26 24 16 00-0397 EA 1 Pole GFI, 120/240 Volt, 15-20 Amp, "Arc Fault" Circuit Breaker, 10,000 Amp Interrupting Capacity	78.94	22.83
<i>For Bolt-On, Add</i>	18.58	
<i>For Installation In New Panelboard, Deduct</i>	-12.45	
<i>Note: Also for use with new interiors in panelboards.</i>		
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.94	
26 24 16 00-0398 EA 2 Pole, 120/240 Volt, 15-30 Amp, Branch Circuit Breaker, 10,000 Amp Interrupting Capacity.....	80.05	28.01
<i>For Bolt-On, Add</i>	20.90	
<i>For Installation In New Panelboard, Deduct</i>	-15.56	
<i>Note: Also for use with new interiors in panelboards.</i>		
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18.68	
26 24 16 00-0399 EA 2 Pole, 120/240 Volt, 35-60 Amp, Branch Circuit Breaker, 10,000 Amp Interrupting Capacity.....	80.05	28.01
<i>For Bolt-On, Add</i>	20.90	
<i>For Installation In New Panelboard, Deduct</i>	-15.56	
<i>Note: Also for use with new interiors in panelboards.</i>		
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18.68	
26 24 16 00-0400 EA 2 Pole, 120/240 Volt, 70-100 Amp, Branch Circuit Breaker, 10,000 Amp Interrupting Capacity.....	118.62	37.36
<i>For Bolt-On, Add</i>	29.35	
<i>For Installation In New Panelboard, Deduct</i>	-20.75	
<i>Note: Also for use with new interiors in panelboards.</i>		
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	24.90	
26 24 16 00-0401 EA 2 Pole, 120/240 Volt, 110-125 Amp, Branch Circuit Breaker, 10,000 Amp Interrupting Capacity.....	189.82	46.69
<i>For Bolt-On, Add</i>	41.89	
<i>For Installation In New Panelboard, Deduct</i>	-25.94	
<i>Note: Also for use with new interiors in panelboards.</i>		
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	31.13	
26 24 16 00-0402 EA 2 Pole, 120/240 Volt, 150 Amp, Branch Circuit Breaker, 10,000 Amp Interrupting Capacity	222.13	51.88
<i>For Bolt-On, Add</i>	47.74	
<i>For Installation In New Panelboard, Deduct</i>	-28.53	
<i>Note: Also for use with new interiors in panelboards.</i>		
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	34.24	
26 24 16 00-0403 EA 2 Pole GFI, 120/240 Volt, 15-50 Amp, Branch Circuit Breaker, 10,000 Amp Interrupting Capacity.....	184.02	33.20
<i>For Bolt-On, Add</i>	36.08	
<i>For Installation In New Panelboard, Deduct</i>	-18.68	
<i>Note: Also for use with new interiors in panelboards.</i>		
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	22.41	
26 24 16 00-0404 EA 2 Pole, GFI, 120/240 Volt, 15-50 Amp, UL Listed 30mA Equipment Protection Circuit Breaker, 10,000 Amp Interrupting Capacity	241.26	33.20
<i>For Bolt-On, Add</i>	43.23	
<i>For Installation In New Panelboard, Deduct</i>	-18.68	
<i>Note: Also for use with new interiors in panelboards.</i>		
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	22.41	
26 24 16 00-0405 EA 3 Pole, 120/240 Volt, 15-30 Amp, Branch Circuit Breaker, 10,000 Amp Interrupting Capacity.....	145.32	37.36
<i>For Bolt-On, Add</i>	32.69	
<i>For Installation In New Panelboard, Deduct</i>	-20.75	
<i>Note: Also for use with new interiors in panelboards.</i>		
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	24.90	
26 24 16 00-0406 EA 3 Pole, 120/240 Volt, 35-60 Amp, Branch Circuit Breaker, 10,000 Amp Interrupting Capacity.....	145.32	37.36
<i>For Bolt-On, Add</i>	32.69	
<i>For Installation In New Panelboard, Deduct</i>	-20.75	
<i>Note: Also for use with new interiors in panelboards.</i>		
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	24.90	

26	Electrical
26 20	Low-Voltage Electrical Distribution
26 24	Switchboards And Panelboards



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0407 EA 3 Pole, 120/240 Volt, 70-100 Amp, Branch Circuit Breaker, 10,000 Amp Interrupting Capacity	189.48	46.69
For Bolt-On, Add	41.84	
For Installation In New Panelboard, Deduct	-25.94	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	31.13	
26 24 16 00-0408 EA 3 Pole, 120/240 Volt, 110-125 Amp, Branch Circuit Breaker, 10,000 Amp Interrupting Capacity	280.23	56.03
For Bolt-On, Add	56.82	
For Installation In New Panelboard, Deduct	-31.13	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	37.35	
26 24 16 00-0409 EA 3 Pole, 120/240 Volt, 150 Amp, Branch Circuit Breaker, 10,000 Amp Interrupting Capacity	354.84	65.37
For Bolt-On, Add	69.78	
For Installation In New Panelboard, Deduct	-36.32	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	43.58	
26 24 16 00-0410 Branch Circuit Breakers 14,000 Amp Interrupting Capacity, Plug-On <small>(26 24 16 00-0389)</small>		
Note: Includes connection of electrical wire.		
26 24 16 00-0411 EA 1 Pole, 277/480 Volt, 15-30 Amp, Branch Circuit Breaker, 14,000 Amp Interrupting Capacity	67.35	18.67
For Bolt-On, Add	15.68	
For Installation In New Panelboard, Deduct	-10.38	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.45	
26 24 16 00-0412 EA 1 Pole, 277/480 Volt, 35-60 Amp, Branch Circuit Breaker, 14,000 Amp Interrupting Capacity	67.35	18.67
For Bolt-On, Add	15.68	
For Installation In New Panelboard, Deduct	-10.38	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.45	
26 24 16 00-0413 EA 1 Pole, 277/480 Volt, 70-100 Amp, Branch Circuit Breaker, 14,000 Amp Interrupting Capacity	116.04	23.34
For Bolt-On, Add	23.58	
For Installation In New Panelboard, Deduct	-12.97	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	15.56	
26 24 16 00-0414 EA 1 Pole GFI, 277/480 Volt, 15-60 Amp, Branch Circuit Breaker, 14,000 Amp Interrupting Capacity	172.81	22.83
For Bolt-On, Add	30.32	
For Installation In New Panelboard, Deduct	-12.45	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	14.94	
26 24 16 00-0415 EA 2 Pole, 277/480 Volt, 15-30 Amp, Branch Circuit Breaker, 14,000 Amp Interrupting Capacity	127.80	28.01
For Bolt-On, Add	26.87	
For Installation In New Panelboard, Deduct	-15.57	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	18.68	
26 24 16 00-0416 EA 2 Pole, 277/480 Volt, 35-60 Amp, Branch Circuit Breaker, 14,000 Amp Interrupting Capacity	127.80	28.01
For Bolt-On, Add	26.87	
For Installation In New Panelboard, Deduct	-15.57	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	18.68	
26 24 16 00-0417 EA 2 Pole, 277/480 Volt, 70-100 Amp, Branch Circuit Breaker, 14,000 Amp Interrupting Capacity	244.04	37.36
For Bolt-On, Add	45.03	
For Installation In New Panelboard, Deduct	-20.75	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	24.90	
26 24 16 00-0418 EA 2 Pole, 277/480 Volt, 110-125 Amp, Branch Circuit Breaker, 14,000 Amp Interrupting Capacity	330.67	46.69
For Bolt-On, Add	59.49	
For Installation In New Panelboard, Deduct	-25.94	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	31.13	
26 24 16 00-0419 EA 2 Pole, 277/480 Volt, 150 Amp, Branch Circuit Breaker, 14,000 Amp Interrupting Capacity	478.51	51.88
For Bolt-On, Add	79.79	
For Installation In New Panelboard, Deduct	-28.53	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	34.24	
26 24 16 00-0420 EA 3 Pole, 277/480 Volt, 15-30 Amp, Branch Circuit Breaker, 14,000 Amp Interrupting Capacity	200.71	37.36
For Bolt-On, Add	39.62	
For Installation In New Panelboard, Deduct	-20.75	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	24.90	
26 24 16 00-0421 EA 3 Pole, 277/480 Volt, 35-60 Amp, Branch Circuit Breaker, 14,000 Amp Interrupting Capacity	200.71	37.36
For Bolt-On, Add	39.62	
For Installation In New Panelboard, Deduct	-20.75	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	24.90	
26 24 16 00-0422 EA 3 Pole, 277/480 Volt, 70-100 Amp, Branch Circuit Breaker, 14,000 Amp Interrupting Capacity	296.23	46.69
For Bolt-On, Add	55.19	
For Installation In New Panelboard, Deduct	-25.94	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	31.13	
26 24 16 00-0423 EA 3 Pole, 277/480 Volt, 110-125 Amp, Branch Circuit Breaker, 14,000 Amp Interrupting Capacity	416.97	56.03
For Bolt-On, Add	73.91	
For Installation In New Panelboard, Deduct	-31.13	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	37.35	



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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0424 EA 3 Pole, 277/480 Volt, 150 Amp, Branch Circuit Breaker, 14,000 Amp Interrupting Capacity	636.49	65.37
For Bolt-On, Add	104.98	
For Installation In New Panelboard, Deduct	-36.32	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	43.58	
26 24 16 00-0425 EA 3 Pole, 277/480 Volt, 175 Amp, Branch Circuit Breaker, 14,000 Amp Interrupting Capacity	732.20	70.04
For Bolt-On, Add	118.76	
For Installation In New Panelboard, Deduct	-38.91	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	46.69	
26 24 16 00-0426 EA 3 Pole, 277/480 Volt, 200 Amp, Branch Circuit Breaker, 14,000 Amp Interrupting Capacity	786.40	74.70
For Bolt-On, Add	127.35	
For Installation In New Panelboard, Deduct	-41.51	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	49.81	
26 24 16 00-0427 EA 3 Pole, 277/480 Volt, 225 Amp, Branch Circuit Breaker, 14,000 Amp Interrupting Capacity	926.69	79.37
For Bolt-On, Add	146.71	
For Installation In New Panelboard, Deduct	-44.10	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	52.92	
26 24 16 00-0428 Branch Circuit Breakers 18,000 Amp Interrupting Capacity, Plug-On <small>(26 24 16 00-0389)</small>		
Note: Includes connection of electrical wire.		
26 24 16 00-0429 EA 1 Pole, 240 Volt, 15-30 Amp, Branch Circuit Breaker, 18,000 Amp Interrupting Capacity	79.27	18.67
For Bolt-On, Add	17.17	
For Installation In New Panelboard, Deduct	-10.38	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.45	
26 24 16 00-0430 EA 1 Pole, 240 Volt, 35-60 Amp, Branch Circuit Breaker, 18,000 Amp Interrupting Capacity	79.27	18.67
For Bolt-On, Add	17.17	
For Installation In New Panelboard, Deduct	-10.38	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.45	
26 24 16 00-0431 EA 1 Pole, 240 Volt, 70-100 Amp, Branch Circuit Breaker, 18,000 Amp Interrupting Capacity	127.81	23.34
For Bolt-On, Add	25.06	
For Installation In New Panelboard, Deduct	-12.97	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	15.56	
26 24 16 00-0432 EA 2 Pole, 240 Volt, 15-30 Amp, Branch Circuit Breaker, 18,000 Amp Interrupting Capacity	158.85	28.01
For Bolt-On, Add	30.75	
For Installation In New Panelboard, Deduct	-15.56	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	18.68	
26 24 16 00-0433 EA 2 Pole, 240 Volt, 35-60 Amp, Branch Circuit Breaker, 18,000 Amp Interrupting Capacity	158.85	28.01
For Bolt-On, Add	30.75	
For Installation In New Panelboard, Deduct	-15.56	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	18.68	
26 24 16 00-0434 EA 2 Pole, 240 Volt, 70-100 Amp, Branch Circuit Breaker, 18,000 Amp Interrupting Capacity	273.82	37.36
For Bolt-On, Add	48.75	
For Installation In New Panelboard, Deduct	-20.75	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	24.90	
26 24 16 00-0435 EA 2 Pole, 240 Volt, 110-125 Amp, Branch Circuit Breaker, 18,000 Amp Interrupting Capacity	681.77	46.69
For Bolt-On, Add	103.38	
For Installation In New Panelboard, Deduct	-25.94	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	31.13	
26 24 16 00-0436 EA 3 Pole, 240 Volt, 15-30 Amp, Branch Circuit Breaker, 18,000 Amp Interrupting Capacity	251.96	37.36
For Bolt-On, Add	46.02	
For Installation In New Panelboard, Deduct	-20.75	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	24.90	
26 24 16 00-0437 EA 3 Pole, 240 Volt, 35-60 Amp, Branch Circuit Breaker, 18,000 Amp Interrupting Capacity	251.96	37.36
For Bolt-On, Add	46.02	
For Installation In New Panelboard, Deduct	-20.75	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	24.90	
26 24 16 00-0438 EA 3 Pole, 240 Volt, 70-100 Amp, Branch Circuit Breaker, 18,000 Amp Interrupting Capacity	333.53	46.69
For Bolt-On, Add	59.85	
For Installation In New Panelboard, Deduct	-25.94	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	31.13	
26 24 16 00-0439 EA 3 Pole, 240 Volt, 110-125 Amp, Branch Circuit Breaker, 18,000 Amp Interrupting Capacity	843.24	56.03
For Bolt-On, Add	127.19	
For Installation In New Panelboard, Deduct	-31.13	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	37.35	
26 24 16 00-0440 Branch Circuit Breakers 22,000 Amp Interrupting Capacity, Plug-On <small>(26 24 16 00-0389)</small>		
Note: Includes connection of electrical wire.		

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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0441 EA 1 Pole, 120/240 Volt, 15-30 Amp, Branch Circuit Breaker, 22,000 Amp Interrupting Capacity	89.38	18.67
For Bolt-On, Add	18.44	
For Installation In New Panelboard, Deduct	-10.38	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.45	
26 24 16 00-0442 EA 1 Pole, 120/240 Volt, 35-60 Amp, Branch Circuit Breaker, 22,000 Amp Interrupting Capacity	89.38	18.67
For Bolt-On, Add	18.44	
For Installation In New Panelboard, Deduct	-10.38	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.45	
26 24 16 00-0443 EA 1 Pole, 120/240 Volt, 70-100 Amp, Branch Circuit Breaker, 22,000 Amp Interrupting Capacity	105.91	23.34
For Bolt-On, Add	22.32	
For Installation In New Panelboard, Deduct	-12.97	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	15.56	
26 24 16 00-0444 EA 1 Pole GFI, 120/240 Volt, 15-30 Amp, Branch Circuit Breaker, 22,000 Amp Interrupting Capacity	171.45	22.83
For Bolt-On, Add	30.15	
For Installation In New Panelboard, Deduct	-12.45	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	14.94	
26 24 16 00-0445 EA 2 Pole, 120/240 Volt, 15-30 Amp, Branch Circuit Breaker, 22,000 Amp Interrupting Capacity	185.25	28.01
For Bolt-On, Add	34.05	
For Installation In New Panelboard, Deduct	-15.56	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	18.68	
26 24 16 00-0446 EA 2 Pole, 120/240 Volt, 35-60 Amp, Branch Circuit Breaker, 22,000 Amp Interrupting Capacity	185.25	28.01
For Bolt-On, Add	34.05	
For Installation In New Panelboard, Deduct	-15.56	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	18.68	
26 24 16 00-0447 EA 2 Pole, 120/240 Volt, 70-100 Amp, Branch Circuit Breaker, 22,000 Amp Interrupting Capacity	226.00	37.36
For Bolt-On, Add	42.78	
For Installation In New Panelboard, Deduct	-20.75	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	24.90	
26 24 16 00-0448 EA 2 Pole, 240 Volt, 110-125 Amp, Branch Circuit Breaker, 22,000 Amp Interrupting Capacity	322.96	46.69
For Bolt-On, Add	58.53	
For Installation In New Panelboard, Deduct	-25.94	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	31.13	
26 24 16 00-0449 EA 2 Pole, 240 Volt, 150-225 Amp, Branch Circuit Breaker, 22,000 Amp Interrupting Capacity	414.16	51.88
For Bolt-On, Add	71.74	
For Installation In New Panelboard, Deduct	-28.53	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	34.24	
26 24 16 00-0450 EA 2 Pole, 240 Volt, 250 Amp, Branch Circuit Breaker, 22,000 Amp Interrupting Capacity	515.75	60.70
For Bolt-On, Add	88.07	
For Installation In New Panelboard, Deduct	-33.72	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	40.47	
26 24 16 00-0451 EA 2 Pole, 240 Volt, 300-400 Amp, Branch Circuit Breaker, 22,000 Amp Interrupting Capacity	558.24	70.04
For Bolt-On, Add	97.02	
For Installation In New Panelboard, Deduct	-38.91	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	46.69	
26 24 16 00-0452 EA 3 Pole, 120/240 Volt, 15-30 Amp, Branch Circuit Breaker, 22,000 Amp Interrupting Capacity	226.44	37.36
For Bolt-On, Add	42.83	
For Installation In New Panelboard, Deduct	-20.75	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	24.90	
26 24 16 00-0453 EA 3 Pole, 120/240 Volt, 35-60 Amp, Branch Circuit Breaker, 22,000 Amp Interrupting Capacity	226.44	37.36
For Bolt-On, Add	42.83	
For Installation In New Panelboard, Deduct	-20.75	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	24.90	
26 24 16 00-0454 EA 3 Pole, 120/240 Volt, 70-100 Amp, Branch Circuit Breaker, 22,000 Amp Interrupting Capacity	266.73	46.69
For Bolt-On, Add	51.50	
For Installation In New Panelboard, Deduct	-25.94	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	31.13	
26 24 16 00-0455 EA 3 Pole, 240 Volt, 110-125 Amp, Branch Circuit Breaker, 22,000 Amp Interrupting Capacity	399.50	56.03
For Bolt-On, Add	71.73	
For Installation In New Panelboard, Deduct	-31.13	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	37.35	
26 24 16 00-0456 EA 3 Pole, 240 Volt, 150-225 Amp, Branch Circuit Breaker, 22,000 Amp Interrupting Capacity	523.89	72.63
For Bolt-On, Add	93.63	
For Installation In New Panelboard, Deduct	-40.21	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	48.25	
26 24 16 00-0457 EA 3 Pole, 240 Volt, 250 Amp, Branch Circuit Breaker, 22,000 Amp Interrupting Capacity	645.15	84.04
For Bolt-On, Add	113.33	
For Installation In New Panelboard, Deduct	-46.69	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	56.03	



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MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0458	EA		3 Pole, 240 Volt, 300-400 Amp, Branch Circuit Breaker, 22,000 Amp Interrupting Capacity.....	685.84	89.23
			<i>For Bolt-On, Add</i>	120.23	
			<i>For Installation In New Panelboard, Deduct</i>	-49.29	
			<i>Note: Also for use with new interiors in panelboards.</i>		
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	59.14	
26 24 16 00-0459			Branch Circuit Breakers 25,000 Amp Interrupting Capacity, Plug-On <small>(26 24 16 00-0389)</small>		
			<i>Note: Includes connection of electrical wire.</i>		
26 24 16 00-0460	EA		2 Pole, 240/480 Volt, 15-30 Amp, Branch Circuit Breaker, 25,000 Amp Interrupting Capacity.....	191.84	28.01
			<i>For Bolt-On, Add</i>	34.87	
			<i>For Installation In New Panelboard, Deduct</i>	-15.56	
			<i>Note: Also for use with new interiors in panelboards.</i>		
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18.68	
26 24 16 00-0461	EA		2 Pole, 240/480 Volt, 35-60 Amp, Branch Circuit Breaker, 25,000 Amp Interrupting Capacity.....	191.84	28.01
			<i>For Bolt-On, Add</i>	34.87	
			<i>For Installation In New Panelboard, Deduct</i>	-15.56	
			<i>Note: Also for use with new interiors in panelboards.</i>		
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18.68	
26 24 16 00-0462	EA		2 Pole, 240/480 Volt, 70-100 Amp, Branch Circuit Breaker, 25,000 Amp Interrupting Capacity.....	289.75	37.36
			<i>For Bolt-On, Add</i>	50.75	
			<i>For Installation In New Panelboard, Deduct</i>	-20.75	
			<i>Note: Also for use with new interiors in panelboards.</i>		
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	24.90	
26 24 16 00-0463	EA		2 Pole, 240/480 Volt, 110-125 Amp, Branch Circuit Breaker, 25,000 Amp Interrupting Capacity.....	465.44	46.69
			<i>For Bolt-On, Add</i>	76.34	
			<i>For Installation In New Panelboard, Deduct</i>	-25.94	
			<i>Note: Also for use with new interiors in panelboards.</i>		
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	31.13	
26 24 16 00-0464	EA		2 Pole, 240/480 Volt, 150-225 Amp, Branch Circuit Breaker, 25,000 Amp Interrupting Capacity.....	719.67	58.10
			<i>For Bolt-On, Add</i>	112.66	
			<i>For Installation In New Panelboard, Deduct</i>	-32.43	
			<i>Note: Also for use with new interiors in panelboards.</i>		
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	38.91	
26 24 16 00-0465	EA		2 Pole, 240/480 Volt, 250 Amp, Branch Circuit Breaker, 25,000 Amp Interrupting Capacity.....	813.73	60.70
			<i>For Bolt-On, Add</i>	125.32	
			<i>For Installation In New Panelboard, Deduct</i>	-33.72	
			<i>Note: Also for use with new interiors in panelboards.</i>		
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	40.47	
26 24 16 00-0466	EA		2 Pole, 240/480 Volt, 300-400 Amp, Branch Circuit Breaker, 25,000 Amp Interrupting Capacity.....	890.53	70.04
			<i>For Bolt-On, Add</i>	138.55	
			<i>For Installation In New Panelboard, Deduct</i>	-38.91	
			<i>Note: Also for use with new interiors in panelboards.</i>		
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	46.69	
26 24 16 00-0467	EA		3 Pole, 240/480 Volt, 15-30 Amp, Branch Circuit Breaker, 25,000 Amp Interrupting Capacity.....	274.63	37.36
			<i>For Bolt-On, Add</i>	48.86	
			<i>For Installation In New Panelboard, Deduct</i>	-20.75	
			<i>Note: Also for use with new interiors in panelboards.</i>		
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	24.90	
26 24 16 00-0468	EA		3 Pole, 240/480 Volt, 35-60 Amp, Branch Circuit Breaker, 25,000 Amp Interrupting Capacity.....	274.63	37.36
			<i>For Bolt-On, Add</i>	48.86	
			<i>For Installation In New Panelboard, Deduct</i>	-20.75	
			<i>Note: Also for use with new interiors in panelboards.</i>		
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	24.90	
26 24 16 00-0469	EA		3 Pole, 240/480 Volt, 70-100 Amp, Branch Circuit Breaker, 25,000 Amp Interrupting Capacity.....	345.80	46.69
			<i>For Bolt-On, Add</i>	61.38	
			<i>For Installation In New Panelboard, Deduct</i>	-25.94	
			<i>Note: Also for use with new interiors in panelboards.</i>		
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	31.13	
26 24 16 00-0470	EA		3 Pole, 240/480 Volt, 110-125 Amp, Branch Circuit Breaker, 25,000 Amp Interrupting Capacity.....	578.24	56.03
			<i>For Bolt-On, Add</i>	94.07	
			<i>For Installation In New Panelboard, Deduct</i>	-31.13	
			<i>Note: Also for use with new interiors in panelboards.</i>		
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	37.35	
26 24 16 00-0471	EA		3 Pole, 240/480 Volt, 150-225 Amp, Branch Circuit Breaker, 25,000 Amp Interrupting Capacity.....	841.57	72.63
			<i>For Bolt-On, Add</i>	133.34	
			<i>For Installation In New Panelboard, Deduct</i>	-40.21	
			<i>Note: Also for use with new interiors in panelboards.</i>		
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	48.25	
26 24 16 00-0472	EA		3 Pole, 240/480 Volt, 250 Amp, Branch Circuit Breaker, 25,000 Amp Interrupting Capacity.....	993.53	84.04
			<i>For Bolt-On, Add</i>	156.87	
			<i>For Installation In New Panelboard, Deduct</i>	-46.69	
			<i>Note: Also for use with new interiors in panelboards.</i>		
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	56.03	
26 24 16 00-0473	EA		3 Pole, 240/480 Volt, 300-400 Amp, Branch Circuit Breaker, 25,000 Amp Interrupting Capacity.....	1,074.09	89.23
			<i>For Bolt-On, Add</i>	168.76	
			<i>For Installation In New Panelboard, Deduct</i>	-49.29	
			<i>Note: Also for use with new interiors in panelboards.</i>		
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	59.14	
26 24 16 00-0474			Branch Circuit Breakers 30,000 Amp Interrupting Capacity, Plug-On <small>(26 24 16 00-0389)</small>		
			<i>Note: Includes connection of electrical wire.</i>		

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 24 Switchboards And Panelboards**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0475 EA 2 Pole, 240/480 Volt, 15-30 Amp, Branch Circuit Breaker, 30,000 Amp Interrupting Capacity	198.40	28.01
For Bolt-On, Add	35.69	
For Installation In New Panelboard, Deduct	-15.56	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	18.68	
26 24 16 00-0476 EA 2 Pole, 240/480 Volt, 35-60 Amp, Branch Circuit Breaker, 30,000 Amp Interrupting Capacity	198.40	28.01
For Bolt-On, Add	35.69	
For Installation In New Panelboard, Deduct	-15.56	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	18.68	
26 24 16 00-0477 EA 2 Pole, 240/480 Volt, 70-100 Amp, Branch Circuit Breaker, 30,000 Amp Interrupting Capacity	350.26	37.36
For Bolt-On, Add	58.31	
For Installation In New Panelboard, Deduct	-20.75	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	24.90	
26 24 16 00-0478 EA 2 Pole, 240/480 Volt, 110-125 Amp, Branch Circuit Breaker, 30,000 Amp Interrupting Capacity	633.22	46.69
For Bolt-On, Add	97.31	
For Installation In New Panelboard, Deduct	-25.94	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	31.13	
26 24 16 00-0479 EA 2 Pole, 240/480 Volt, 150-225 Amp, Branch Circuit Breaker, 30,000 Amp Interrupting Capacity	997.01	58.10
For Bolt-On, Add	147.32	
For Installation In New Panelboard, Deduct	-32.43	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	38.91	
26 24 16 00-0480 EA 2 Pole, 240/480 Volt, 250 Amp, Branch Circuit Breaker, 30,000 Amp Interrupting Capacity	1,132.70	60.70
For Bolt-On, Add	165.19	
For Installation In New Panelboard, Deduct	-33.72	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	40.47	
26 24 16 00-0481 EA 2 Pole, 240/480 Volt, 300-400 Amp, Branch Circuit Breaker, 30,000 Amp Interrupting Capacity	1,234.74	70.04
For Bolt-On, Add	181.58	
For Installation In New Panelboard, Deduct	-38.91	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	46.69	
26 24 16 00-0482 EA 3 Pole, 240/480 Volt, 15-30 Amp, Branch Circuit Breaker, 30,000 Amp Interrupting Capacity	320.01	37.36
For Bolt-On, Add	54.53	
For Installation In New Panelboard, Deduct	-20.75	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	24.90	
26 24 16 00-0483 EA 3 Pole, 240/480 Volt, 35-60 Amp, Branch Circuit Breaker, 30,000 Amp Interrupting Capacity	320.01	37.36
For Bolt-On, Add	54.53	
For Installation In New Panelboard, Deduct	-20.75	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	24.90	
26 24 16 00-0484 EA 3 Pole, 240/480 Volt, 70-100 Amp, Branch Circuit Breaker, 30,000 Amp Interrupting Capacity	424.46	46.69
For Bolt-On, Add	71.22	
For Installation In New Panelboard, Deduct	-25.94	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	31.13	
26 24 16 00-0485 EA 3 Pole, 240/480 Volt, 110-125 Amp, Branch Circuit Breaker, 30,000 Amp Interrupting Capacity	769.95	56.03
For Bolt-On, Add	118.03	
For Installation In New Panelboard, Deduct	-31.13	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	37.35	
26 24 16 00-0486 EA 3 Pole, 240/480 Volt, 150-225 Amp, Branch Circuit Breaker, 30,000 Amp Interrupting Capacity	973.35	72.63
For Bolt-On, Add	149.81	
For Installation In New Panelboard, Deduct	-40.21	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	48.25	
26 24 16 00-0487 EA 3 Pole, 240/480 Volt, 250 Amp, Branch Circuit Breaker, 30,000 Amp Interrupting Capacity	1,541.18	84.04
For Bolt-On, Add	225.33	
For Installation In New Panelboard, Deduct	-46.69	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	56.03	
26 24 16 00-0488 EA 3 Pole, 240/480 Volt, 300-400 Amp, Branch Circuit Breaker, 30,000 Amp Interrupting Capacity	1,641.12	89.23
For Bolt-On, Add	239.64	
For Installation In New Panelboard, Deduct	-49.29	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	59.14	
26 24 16 00-0489 Branch Circuit Breakers 35,000 Amp Interrupting Capacity, Plug-On <small>(26 24 16 00-0389)</small>		
Note: Includes connection of electrical wire.		
26 24 16 00-0490 EA 1 Pole, 480 Volt, 15-30 Amp, Branch Circuit Breaker, 35,000 Amp Interrupting Capacity	105.90	18.67
For Bolt-On, Add	20.50	
For Installation In New Panelboard, Deduct	-10.38	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.45	
26 24 16 00-0491 EA 1 Pole, 480 Volt, 35-60 Amp, Branch Circuit Breaker, 35,000 Amp Interrupting Capacity	105.90	18.67
For Bolt-On, Add	20.50	
For Installation In New Panelboard, Deduct	-10.38	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.45	



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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0492 EA 1 Pole, 480 Volt, 70-100 Amp, Branch Circuit Breaker, 35,000 Amp Interrupting Capacity.....	179.88	23.34
For Bolt-On, Add	31.56	
For Installation In New Panelboard, Deduct	-12.97	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	15.56	
26 24 16 00-0493 EA 2 Pole, 480 Volt, 15-30 Amp, Branch Circuit Breaker, 35,000 Amp Interrupting Capacity.....	225.24	28.01
For Bolt-On, Add	39.05	
For Installation In New Panelboard, Deduct	-15.56	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	18.68	
26 24 16 00-0494 EA 2 Pole, 480 Volt, 35-60 Amp, Branch Circuit Breaker, 35,000 Amp Interrupting Capacity.....	225.24	28.01
For Bolt-On, Add	39.05	
For Installation In New Panelboard, Deduct	-15.56	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	18.68	
26 24 16 00-0495 EA 2 Pole, 480 Volt, 70-100 Amp, Branch Circuit Breaker, 35,000 Amp Interrupting Capacity.....	405.80	37.36
For Bolt-On, Add	65.25	
For Installation In New Panelboard, Deduct	-20.75	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	24.90	
26 24 16 00-0496 EA 2 Pole, 480 Volt, 110-125 Amp, Branch Circuit Breaker, 35,000 Amp Interrupting Capacity.....	744.16	46.69
For Bolt-On, Add	111.18	
For Installation In New Panelboard, Deduct	-25.94	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	31.13	
26 24 16 00-0497 EA 2 Pole, 480 Volt, 150-225 Amp, Branch Circuit Breaker, 35,000 Amp Interrupting Capacity.....	1,435.18	58.10
For Bolt-On, Add	202.10	
For Installation In New Panelboard, Deduct	-32.43	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	38.91	
26 24 16 00-0498 EA 3 Pole, 480 Volt, 15-30 Amp, Branch Circuit Breaker, 35,000 Amp Interrupting Capacity.....	368.44	37.36
For Bolt-On, Add	60.58	
For Installation In New Panelboard, Deduct	-20.75	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	24.90	
26 24 16 00-0499 EA 3 Pole, 480 Volt, 35-60 Amp, Branch Circuit Breaker, 35,000 Amp Interrupting Capacity.....	368.44	37.36
For Bolt-On, Add	60.58	
For Installation In New Panelboard, Deduct	-20.75	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	24.90	
26 24 16 00-0500 EA 3 Pole, 480 Volt, 70-100 Amp, Branch Circuit Breaker, 35,000 Amp Interrupting Capacity.....	491.75	46.69
For Bolt-On, Add	79.63	
For Installation In New Panelboard, Deduct	-25.94	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	31.13	
26 24 16 00-0501 EA 3 Pole, 480 Volt, 110-125 Amp, Branch Circuit Breaker, 35,000 Amp Interrupting Capacity.....	916.18	56.03
For Bolt-On, Add	136.31	
For Installation In New Panelboard, Deduct	-31.13	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	37.35	
26 24 16 00-0502 EA 3 Pole, 480 Volt, 150-225 Amp, Branch Circuit Breaker, 35,000 Amp Interrupting Capacity.....	1,784.34	72.63
For Bolt-On, Add	251.19	
For Installation In New Panelboard, Deduct	-40.21	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	48.25	
26 24 16 00-0503 Branch Circuit Breakers 42,000 Amp Interrupting Capacity, Plug-On <small>(26 24 16 00-0389)</small>		
Note: Includes connection of electrical wire.		
26 24 16 00-0504 EA 1 Pole, 240 Volt, 15-30 Amp, Branch Circuit Breaker, 42,000 Amp Interrupting Capacity.....	152.44	18.67
For Bolt-On, Add	26.32	
For Installation In New Panelboard, Deduct	-10.38	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.45	
26 24 16 00-0505 EA 1 Pole, 240 Volt, 35-60 Amp, Branch Circuit Breaker, 42,000 Amp Interrupting Capacity.....	152.44	18.67
For Bolt-On, Add	26.32	
For Installation In New Panelboard, Deduct	-10.38	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.45	
26 24 16 00-0506 EA 1 Pole, 240 Volt, 70-100 Amp, Branch Circuit Breaker, 42,000 Amp Interrupting Capacity.....	229.38	23.34
For Bolt-On, Add	37.75	
For Installation In New Panelboard, Deduct	-12.97	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	15.56	
26 24 16 00-0507 EA 2 Pole, 240 Volt, 15-30 Amp, Branch Circuit Breaker, 42,000 Amp Interrupting Capacity.....	279.08	28.01
For Bolt-On, Add	45.78	
For Installation In New Panelboard, Deduct	-15.56	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	18.68	
26 24 16 00-0508 EA 2 Pole, 240 Volt, 35-60 Amp, Branch Circuit Breaker, 42,000 Amp Interrupting Capacity.....	279.08	28.01
For Bolt-On, Add	45.78	
For Installation In New Panelboard, Deduct	-15.56	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	18.68	

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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0509 EA 2 Pole, 240 Volt, 70-100 Amp, Branch Circuit Breaker, 42,000 Amp Interrupting Capacity.....	521.71	37.36
For Bolt-On, Add	79.74	
For Installation In New Panelboard, Deduct	-20.75	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	24.90	
26 24 16 00-0510 EA 2 Pole, 240 Volt, 110-125 Amp, Branch Circuit Breaker, 42,000 Amp Interrupting Capacity.....	940.82	46.69
For Bolt-On, Add	135.76	
For Installation In New Panelboard, Deduct	-25.94	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	31.13	
26 24 16 00-0511 EA 2 Pole, 240 Volt, 150-225 Amp, Branch Circuit Breaker, 42,000 Amp Interrupting Capacity.....	1,863.88	51.88
For Bolt-On, Add	252.96	
For Installation In New Panelboard, Deduct	-28.53	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	34.24	
26 24 16 00-0512 EA 3 Pole, 240 Volt, 15-30 Amp, Branch Circuit Breaker, 42,000 Amp Interrupting Capacity.....	476.33	37.36
For Bolt-On, Add	74.07	
For Installation In New Panelboard, Deduct	-20.75	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	24.90	
26 24 16 00-0513 EA 3 Pole, 240 Volt, 35-60 Amp, Branch Circuit Breaker, 42,000 Amp Interrupting Capacity.....	476.33	37.36
For Bolt-On, Add	74.07	
For Installation In New Panelboard, Deduct	-20.75	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	24.90	
26 24 16 00-0514 EA 3 Pole, 240 Volt, 70-100 Amp, Branch Circuit Breaker, 42,000 Amp Interrupting Capacity.....	658.44	46.69
For Bolt-On, Add	100.46	
For Installation In New Panelboard, Deduct	-25.94	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	31.13	
26 24 16 00-0515 EA 3 Pole, 240 Volt, 110-125 Amp, Branch Circuit Breaker, 42,000 Amp Interrupting Capacity.....	1,062.41	56.03
For Bolt-On, Add	154.59	
For Installation In New Panelboard, Deduct	-31.13	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	37.35	
26 24 16 00-0516 EA 3 Pole, 240 Volt, 150-225 Amp, Branch Circuit Breaker, 42,000 Amp Interrupting Capacity.....	2,354.32	72.63
For Bolt-On, Add	322.44	
For Installation In New Panelboard, Deduct	-40.21	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	48.25	
26 24 16 00-0517 Branch Circuit Breakers 65,000 Amp Interrupting Capacity, Plug-On <small>(26 24 16 00-0389)</small>		
Note: Includes connection of electrical wire.		
26 24 16 00-0518 EA 1 Pole, 240 Volt, 15-30 Amp, Branch Circuit Breaker, 65,000 Amp Interrupting Capacity.....	72.11	18.67
For Bolt-On, Add	16.28	
For Installation In New Panelboard, Deduct	-10.38	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.45	
26 24 16 00-0519 EA 2 Pole, 240 Volt, 15-30 Amp, Branch Circuit Breaker, 65,000 Amp Interrupting Capacity.....	148.51	28.01
For Bolt-On, Add	29.46	
For Installation In New Panelboard, Deduct	-15.56	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	18.68	
26 24 16 00-0520 EA 3 Pole, 240 Volt, 15-30 Amp, Branch Circuit Breaker, 65,000 Amp Interrupting Capacity.....	233.28	37.36
For Bolt-On, Add	43.69	
For Installation In New Panelboard, Deduct	-20.75	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	24.90	
26 24 16 00-0521 EA 1 Pole, 480 Volt, 15-30 Amp, Branch Circuit Breaker, 65,000 Amp Interrupting Capacity.....	144.46	18.67
For Bolt-On, Add	25.32	
For Installation In New Panelboard, Deduct	-10.38	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.45	
26 24 16 00-0522 EA 1 Pole, 480 Volt, 35-60 Amp, Branch Circuit Breaker, 65,000 Amp Interrupting Capacity.....	144.46	18.67
For Bolt-On, Add	25.32	
For Installation In New Panelboard, Deduct	-10.38	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.45	
26 24 16 00-0523 EA 1 Pole, 480 Volt, 70-100 Amp, Branch Circuit Breaker, 65,000 Amp Interrupting Capacity.....	287.74	37.36
For Bolt-On, Add	50.49	
For Installation In New Panelboard, Deduct	-20.75	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	24.90	
26 24 16 00-0524 EA 2 Pole, 480 Volt, 15-30 Amp, Branch Circuit Breaker, 65,000 Amp Interrupting Capacity.....	323.43	28.01
For Bolt-On, Add	51.32	
For Installation In New Panelboard, Deduct	-15.56	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	18.68	
26 24 16 00-0525 EA 2 Pole, 480 Volt, 35-60 Amp, Branch Circuit Breaker, 65,000 Amp Interrupting Capacity.....	323.43	28.01
For Bolt-On, Add	51.32	
For Installation In New Panelboard, Deduct	-15.56	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	18.68	



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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0526 EA 2 Pole, 480 Volt, 70-100 Amp, Branch Circuit Breaker, 65,000 Amp Interrupting Capacity.....	621.66	37.36
For Bolt-On, Add	92.23	
For Installation In New Panelboard, Deduct	-20.75	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	24.90	
26 24 16 00-0527 EA 2 Pole, 480 Volt, 110-125 Amp, Branch Circuit Breaker, 65,000 Amp Interrupting Capacity.....	1,051.75	46.69
For Bolt-On, Add	149.63	
For Installation In New Panelboard, Deduct	-25.94	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	31.13	
26 24 16 00-0528 EA 2 Pole, 480 Volt, 150-225 Amp, Branch Circuit Breaker, 65,000 Amp Interrupting Capacity.....	2,306.17	58.10
For Bolt-On, Add	310.97	
For Installation In New Panelboard, Deduct	-32.43	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	38.91	
26 24 16 00-0529 EA 3 Pole, 480 Volt, 15-30 Amp, Branch Circuit Breaker, 65,000 Amp Interrupting Capacity.....	539.77	37.36
For Bolt-On, Add	82.00	
For Installation In New Panelboard, Deduct	-20.75	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	24.90	
26 24 16 00-0530 EA 3 Pole, 480 Volt, 35-60 Amp, Branch Circuit Breaker, 65,000 Amp Interrupting Capacity.....	539.77	37.36
For Bolt-On, Add	82.00	
For Installation In New Panelboard, Deduct	-20.75	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	24.90	
26 24 16 00-0531 EA 3 Pole, 480 Volt, 70-100 Amp, Branch Circuit Breaker, 65,000 Amp Interrupting Capacity.....	750.54	46.69
For Bolt-On, Add	111.98	
For Installation In New Panelboard, Deduct	-25.94	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	31.13	
26 24 16 00-0532 EA 3 Pole, 480 Volt, 110-125 Amp, Branch Circuit Breaker, 65,000 Amp Interrupting Capacity.....	1,143.09	56.03
For Bolt-On, Add	164.68	
For Installation In New Panelboard, Deduct	-31.13	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	37.35	
26 24 16 00-0533 EA 3 Pole, 480 Volt, 150-225 Amp, Branch Circuit Breaker, 65,000 Amp Interrupting Capacity.....	2,867.60	72.63
For Bolt-On, Add	386.60	
For Installation In New Panelboard, Deduct	-40.21	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	48.25	
26 24 16 00-0534 Residential Lighting And Power Panelboards (26 24 16 00-0001)		
26 24 16 00-0535 Residential Type Unassembled Load Center (26 24 16 00-0534)		
Note: Interior box and cover, includes ground bar kit.		
26 24 16 00-0536 Main Lug Load Center, 3 Wire, 120/240 Volt, Single Phase (26 24 16 00-0535)		
26 24 16 00-0537 EA 30 Amp, 2 Circuit, Main Lug Load Center Panelboard, 3 Wire, 120/240 Volt, Single Phase, Unassembled	142.75	51.88
26 24 16 00-0538 EA 70 Amp, 4 Circuit, Main Lug Load Center Panelboard, 3 Wire, 120/240 Volt, Single Phase, Unassembled	472.97	207.52
26 24 16 00-0539 EA 100 Amp, 8 Circuit, Main Lug Load Center Panelboard, 3 Wire, 120/240 Volt, Single Phase, Unassembled	717.85	296.23
26 24 16 00-0540 EA 125 Amp, 24 Circuit, Main Lug Load Center Panelboard, 3 Wire, 120/240 Volt, Single Phase, Unassembled	1,536.23	622.66
26 24 16 00-0541 EA 150 Amp, 30 Circuit, Main Lug Load Center Panelboard, 3 Wire, 120/240 Volt, Single Phase, Unassembled	1,681.16	674.44
26 24 16 00-0542 Main Lug Load Center, 3 Phase 4 Wire, 208 Y/120 V AC (26 24 16 00-0535)		
Note: 3 Phase 4 wire 240/120 V AC Delta, 3 phase 3 wire 240 V AC Delta.		
26 24 16 00-0543 EA 60 Amp, 3 Circuit, Main Lug Load Center Panelboard, 3 Phase 4 Wire, 208 Y/120 Volt AC, 3 Phase 4 Wire 240/120 Volt AC Delta, 3 Phase 3 Wire 240 Volt AC Delta, Unassembled	201.42	57.07
26 24 16 00-0544 EA 125 Amp, 3 Circuit, Main Lug Load Center Panelboard, 3 Phase 4 Wire, 208 Y/120 Volt AC, 3 Phase 4 Wire 240/120 Volt AC Delta, 3 Phase 3 Wire 240 Volt AC Delta, Unassembled	367.44	62.25
26 24 16 00-0545 Main Lug Load Center, 3 Wire 120/240 Volt, Single Phase, Rainproof (26 24 16 00-0535)		
26 24 16 00-0546 EA 40 Amp, 2 Circuit, Main Lug Load Center Panelboard, 3 Wire 120/240 Volt, 1 Phase, Rainproof, Unassembled.....	204.99	57.07
26 24 16 00-0547 EA 70 Amp, 4 Circuit, Main Lug Load Center Panelboard, 3 Wire 120/240 Volt, 1 Phase, Rainproof, Unassembled.....	228.89	62.25
26 24 16 00-0548 EA 100 Amp, 8 Circuit, Main Lug Load Center Panelboard, 3 Wire 120/240 Volt, 1 Phase, Rainproof, Unassembled.....	789.30	296.23
26 24 16 00-0549 EA 150 Amp, 30 Circuit, Main Lug Load Center Panelboard, 3 Wire 120/240 Volt, 1 Phase, Rainproof, Unassembled.....	1,789.89	674.44
26 24 16 00-0550 Main Lug Load Center, 3 Phase 4 Wire, 208 Y/120 V AC (26 24 16 00-0535)		
Note: 3 Phase 4 wire 240/120 V AC Delta, 3 phase 3 wire 240 V AC Delta, Rainproof.		
26 24 16 00-0551 EA 60 A, 3 Circuit, Main Lug Load Center Panelboard, 3 Phase 4 Wire, 208 Y/120 Volt AC, 3 Phase 4 Wire 240/120 Volt AC Delta, 3 Phase 3 Wire 240 Volt AC Delta, Rainproof, Unassembled.....	255.79	57.07
26 24 16 00-0552 EA 125 A, 20 Circuit, Main Lug Load Center Panelboard, 3 Phase 4 Wire, 208 Y/120 Volt AC, 3 Phase 4 Wire 240/120 Volt AC Delta, 3 Phase 3 Wire 240 Volt AC Delta, Rainproof, Unassembled.....	1,735.20	622.66
26 24 16 00-0553 Main Breaker Load Center, 3 Wire, 120/240 Volt, Single Phase (26 24 16 00-0535)		
26 24 16 00-0554 EA 125 Amp, 24 Circuit, Main Breaker Load Center Panelboard, 3 Wire, 120/240 Volt, Single Phase, Unassembled.....	1,874.84	622.66
26 24 16 00-0555 EA 150 Amp, 30 Circuit, Main Breaker Load Center Panelboard, 3 Wire, 120/240 Volt, Single Phase, Unassembled.....	2,035.30	674.44
26 24 16 00-0556 EA 300 Amp, 42 Circuit, Main Breaker Load Center Panelboard, 3 Wire, 120/240 Volt, Single Phase, Unassembled.....	7,378.88	1,037.59

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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0557 Main Breaker Load Center, 3 Phase 4 Wire, 208 Y/120 V AC <small>(26 24 16 00-0535)</small>		
Note: 3 Phase 4 wire 240/120 V AC Delta, 3 phase 3 wire 240 V Delta.		
26 24 16 00-0558 EA 125 Amp, 30 Circuit, Main Breaker Load Center Panelboard, 3 Phase 4 Wire, 208 Y/120 Volt AC, 3 Phase 4 Wire 240/120 Volt AC Delta, 3 Phase 3 Wire 240 Volt AC Delta, Unassembled.....	2,776.96	622.66
26 24 16 00-0559 EA 150 Amp, 40 Circuit, Main Breaker Load Center Panelboard, 3 Phase 4 Wire, 208 Y/120 Volt AC, 3 Phase 4 Wire 240/120 Volt AC Delta, 3 Phase 3 Wire 240 Volt AC Delta, Unassembled.....	3,029.84	674.44
26 24 16 00-0560 EA 300 Amp, 42 Circuit, Main Breaker Load Center Panelboard, 3 Phase 4 Wire, 208 Y/120 Volt AC, 3 Phase 4 Wire 240/120 Volt AC Delta, 3 Phase 3 Wire 240 Volt AC Delta, Unassembled.....	8,137.95	1,037.59
26 24 16 00-0561 Main Breaker Load Center, 3 Wire 120/240 Volt, Single Phase, Rainproof <small>(26 24 16 00-0535)</small>		
26 24 16 00-0562 EA 125 Amp, 24 Circuit, Main Breaker Load Center Panelboard, 3 Wire 120/240 Volt, 1 Phase, Rainproof, Unassembled.....	1,975.80	622.66
26 24 16 00-0563 EA 150 Amp, 30 Circuit, Main Breaker Load Center Panelboard, 3 Wire 120/240 Volt, 1 Phase, Rainproof, Unassembled.....	2,207.71	674.44
26 24 16 00-0564 Main Breaker Load Center, 3 Phase 4 Wire, 208 Y/120 V AC <small>(26 24 16 00-0535)</small>		
Note: 3 Phase 4 wire 240/120 V AC Delta, 3 phase 3 wire 240 V AC Delta, Rainproof.		
26 24 16 00-0565 EA 125 Amp, 30 Circuit, Main Breaker Load Center Panelboard, 3 Phase 4 Wire, 208 Y/120 Volt AC, 3 Phase 4 Wire 240/120 Volt AC Delta, 3 Phase 3 Wire 240 Volt AC Delta, Rainproof, Unassembled.....	2,944.40	622.66
26 24 16 00-0566 EA 155 Amp, 30 Circuit, Main Breaker Load Center Panelboard, 3 Phase 4 Wire, 208 Y/120 Volt AC, 3 Phase 4 Wire 240/120 Volt AC Delta, 3 Phase 3 Wire 240 Volt AC Delta, Rainproof, Unassembled.....	3,048.01	674.44
26 24 16 00-0567 Residential Type Assembled Load Center <small>(26 24 16 00-0534)</small>		
26 24 16 00-0568 Main Lug Load Center, 3 Wire, 20 Amp, 120/240 Volt, 1 Phase <small>(26 24 16 00-0567)</small>		
Note: Includes 1 pole plug-in breaker.		
26 24 16 00-0569 EA 100 Amp Main Lugs, Indoor 8 Circuits, 3 Wire, 20 Amp, 120/240 Volt, 1 Phase, With 1 Pole Plug-In Breakers	718.31	296.23
26 24 16 00-0570 EA 100 Amp Main Lugs, Indoor 12 Circuits, 3 Wire, 20 Amp, 120/240 Volt, 1 Phase, With 1 Pole Plug-In Breakers	876.94	346.04
26 24 16 00-0571 EA 100 Amp Main Lugs, Rainproof, 8 Circuits, 3 Wire, 20 Amp, 120/240 Volt, 1 Phase, With 1 Pole Plug-In Breakers.....	735.40	296.23
26 24 16 00-0572 EA 100 Amp Main Lugs, Rainproof, 12 Circuits, 3 Wire, 20 Amp, 120/240 Volt, 1 Phase, With 1 Pole Plug-In Breakers	881.60	346.04
26 24 16 00-0573 EA 200 Amp Main Lugs, Indoor, 8 Circuits, 3 Wire, 20 Amp, 120/240 Volt, 1 Phase, With 1 Pole Plug-In Breakers	1,285.93	461.20
26 24 16 00-0574 EA 200 Amp Main Lugs, Indoor, 20 Circuits, 3 Wire, 20 Amp, 120/240 Volt, 1 Phase, With 1 Pole Plug-In Breakers	1,515.62	553.56
26 24 16 00-0575 EA 200 Amp Main Lugs, Indoor, 24 Circuits, 3 Wire, 20 Amp, 120/240 Volt, 1 Phase, With 1 Pole Plug-In Breakers	1,732.29	638.64
26 24 16 00-0576 EA 200 Amp Main Lugs, Indoor, 30 Circuits, 3 Wire, 20 Amp, 120/240 Volt, 1 Phase, With 1 Pole Plug-In Breakers	1,910.82	691.35
26 24 16 00-0577 EA 200 Amp Main Lugs, Indoor, 42 Circuits, 3 Wire, 20 Amp, 120/240 Volt, 1 Phase, With 1 Pole Plug-In Breakers	2,859.57	1,037.59
26 24 16 00-0578 EA 200 Amp Main Lugs, Rainproof, 16 Circuits, 3 Wire, 20 Amp, 120/240 Volt, 1 Phase, With 1 Pole Plug-In Breakers.....	1,346.51	461.20
26 24 16 00-0579 EA 200 Amp Main Lugs, Rainproof, 20 Circuits, 3 Wire, 20 Amp, 120/240 Volt, 1 Phase, With 1 Pole Plug-In Breakers.....	1,573.09	553.56
26 24 16 00-0580 EA 200 Amp Main Lugs, Rainproof, 24 Circuits, 3 Wire, 20 Amp, 120/240 Volt, 1 Phase, With 1 Pole Plug-In Breakers.....	1,789.76	638.64
26 24 16 00-0581 EA 200 Amp Main Lugs, Rainproof, 30 Circuits, 3 Wire, 20 Amp, 120/240 Volt, 1 Phase, With 1 Pole Plug-In Breakers.....	1,965.19	691.35
26 24 16 00-0582 EA 200 Amp Main Lugs, Rainproof, 42 Circuits, 3 Wire, 20 Amp, 120/240 Volt, 1 Phase, With 1 Pole Plug-In Breakers.....	3,038.19	1,037.59
26 24 16 00-0583 EA 400 Amp Main Lugs, Indoor, 42 Circuits, 3 Wire, 20 Amp, 120/240 Volt, 1 Phase, With 1 Pole Plug-In Breakers.....	3,540.59	1,152.87
26 24 16 00-0584 EA 400 Amp Main Lugs, Rainproof, 42 Circuits, 3 Wire, 20 Amp, 120/240 Volt, 1 Phase, With 1 Pole Plug-In Breakers.....	3,726.98	1,152.87
26 24 16 00-0585 Main Lug Load Center, 4 Wire, 20 Amp, 120/208 V <small>(26 24 16 00-0567)</small>		
Note: Includes 1 pole plug-in breaker.		
26 24 16 00-0586 EA 125 Amp Main Lugs, Indoor, 12 Circuit, 4 Wire, 20 Amp, 120/208 Volt, 1 Pole Plug-In Breaker	963.92	346.04
26 24 16 00-0587 EA 125 Amp Main Lugs, Indoor, 18 Circuit, 4 Wire, 20 Amp, 120/208 Volt, 1 Pole Plug-In Breaker	1,436.77	518.80
26 24 16 00-0588 EA 125 Amp Main Lugs, Rainproof, 12 Circuits, 4 Wire, 20 Amp, 120/208 Volt, 1 Pole Plug-In Breaker	1,015.17	346.04
26 24 16 00-0589 EA 125 Amp Main Lugs, Rainproof, 18 Circuits, 4 Wire, 20 Amp, 120/208 Volt, 1 Pole Plug-In Breaker	1,483.37	518.80
26 24 16 00-0590 EA 200 Amp Main Lugs, Indoor, 24 Circuit, 4 Wire, 20 Amp, 120/208 Volt, 1 Pole Plug-In Breaker	1,820.82	638.64
26 24 16 00-0591 EA 200 Amp Main Lugs, Indoor, 30 Circuit, 4 Wire, 20 Amp, 120/208 Volt, 1 Pole Plug-In Breaker	1,989.21	691.77
26 24 16 00-0592 EA 200 Amp Main Lugs, Indoor, 36 Circuit, 4 Wire, 20 Amp, 120/208 Volt, 1 Pole Plug-In Breaker	2,437.30	830.38
26 24 16 00-0593 EA 200 Amp Main Lugs, Indoor, 42 Circuit, 4 Wire, 20 Amp, 120/208 Volt, 1 Pole Plug-In Breaker	2,921.70	1,037.59
26 24 16 00-0594 EA 200 Amp Main Lugs, Rainproof, 24 Circuits, 4 Wire, 20 Amp, 120/208 Volt, 1 Pole Plug-In Breaker	1,875.19	638.64
26 24 16 00-0595 EA 200 Amp Main Lugs, Rainproof, 30 Circuits, 4 Wire, 20 Amp, 120/208 Volt, 1 Pole Plug-In Breaker	2,050.61	691.35
26 24 16 00-0596 EA 200 Amp Main Lugs, Rainproof, 36 Circuits, 4 Wire, 20 Amp, 120/208 Volt, 1 Pole Plug-In Breaker	2,645.93	829.76
26 24 16 00-0597 EA 200 Amp Main Lugs, Rainproof, 42 Circuits, 4 Wire, 20 Amp, 120/208 Volt, 1 Pole Plug-In Breaker	3,131.39	1,037.59
26 24 16 00-0598 EA 400 Amp Main Lugs, Indoor, 42 Circuit, 4 Wire, 20 Amp, 120/208 Volt, 1 Pole Plug-In Breaker	3,587.19	1,152.87
26 24 16 00-0599 EA 400 Amp Main Lugs, Rainproof, 42 Circuits, 4 Wire, 20 Amp, 120/208 Volt, 1 Pole Plug-In Breaker.....	3,773.57	1,152.87
26 24 16 00-0600 Main Breaker Load Center, 3 Wire, 20 Amp, 120/240 Volt, 1 Phase <small>(26 24 16 00-0567)</small>		
Note: Includes 1 pole plug-in breaker.		
26 24 16 00-0601 EA 125 Amp Main Breaker, Indoor, 12 Circuit, 3 Wire, 20 Amp, 120/240 Volt, 1 Phase, With 1 Pole Plug-In Breakers.....	957.70	346.04
26 24 16 00-0602 EA 125 Amp Main Breaker, Indoor, 18 Circuit, 3 Wire, 20 Amp, 120/240 Volt, 1 Phase, With 1 Pole Plug-In Breakers.....	1,415.03	518.80
26 24 16 00-0603 EA 200 Amp Main Breaker, Indoor, 20 Circuit, 3 Wire, 20 Amp, 120/240 Volt, 1 Phase, With 1 Pole Plug-In Breakers.....	1,642.99	553.56
26 24 16 00-0604 EA 200 Amp Main Breaker, Indoor, 24 Circuit, 3 Wire, 20 Amp, 120/240 Volt, 1 Phase, With 1 Pole Plug-In Breakers.....	1,883.58	638.95
26 24 16 00-0605 EA 200 Amp Main Breaker, Indoor, 30 Circuit, 3 Wire, 20 Amp, 120/240 Volt, 1 Phase, With 1 Pole Plug-In Breakers.....	2,074.64	691.77
26 24 16 00-0606 EA 200 Amp Main Breaker, Indoor, 40 Circuit, 3 Wire, 20 Amp, 120/240 Volt, 1 Phase, 1 Pole Plug-In Breaker	2,745.82	922.42
26 24 16 00-0607 EA 200 Amp Main Breaker, Rainproof, 20 Circuits, 3 Wire, 20 Amp, 120/240 Volt, 1 Phase, 1 Pole Plug-In Breaker	1,658.52	553.56
26 24 16 00-0608 EA 200 Amp Main Breaker, Rainproof, 24 Circuits, 3 Wire, 20 Amp, 120/240 Volt, 1 Phase, 1 Pole Plug-In Breaker	1,914.02	638.64
26 24 16 00-0609 EA 200 Amp Main Breaker, Rainproof, 30 Circuits, 3 Wire, 20 Amp, 120/240 Volt, 1 Phase, 1 Pole Plug-In Breaker	2,081.68	691.35
26 24 16 00-0610 EA 200 Amp Main Breaker, Rainproof, 40 Circuits, 3 Wire, 20 Amp, 120/240 Volt, 1 Phase, 1 Pole Plug-In Breaker	2,660.39	922.42
26 24 16 00-0611 EA 400 Amp Main Breaker, Indoor, 42 Circuit, 3 Wire, 20 Amp, 120/240 Volt, 1 Phase, 1 Pole Plug-In Breaker	5,140.43	1,152.87
26 24 16 00-0612 EA 400 Amp Main Breaker, Rainproof, 42 Circuits, 3 Wire, 20 Amp, 120/240 Volt, 1 Phase, 1 Pole Plug-In Breaker	5,451.08	1,152.87



Electrical	26	26
Low-Voltage Electrical Distribution	26 20	
Switchboards And Panelboards	26 24	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0613 Main Breaker Load Center, 4 Wire, 20 Amp, 120/208 V <small>(26 24 16 00-0567)</small> Note: Includes 1 pole plug-in breaker.		
26 24 16 00-0614 EA 200 Amp Main Breaker, Indoor, 30 Circuit, 4 Wire, 20 Amp, 120/208 Volt, 1 Pole Plug-In Breaker	2,509.55	691.77
26 24 16 00-0615 EA 200 Amp Main Breaker, Indoor, 42 Circuit, 4 Wire, 20 Amp, 120/208 Volt, 1 Pole Plug-In Breaker	3,418.74	1,037.59
26 24 16 00-0616 EA 200 Amp Main Breaker, Rainproof, 30 Circuits, 4 Wire, 20 Amp, 120/208 Volt, 1 Pole Plug-In Breaker	2,602.02	691.35
26 24 16 00-0617 EA 200 Amp Main Breaker, Rainproof, 42 Circuits, 4 Wire, 20 Amp, 120/208 Volt, 1 Pole Plug-In Breaker	3,511.93	1,037.59
26 24 16 00-0618 Panel Mounted Accessories And Fuseholders <small>(26 24 16 00-0001)</small>		
26 24 16 00-0619 Midget Finger-Safe Fuse Holders <small>(26 24 16 00-0618)</small> Note: 30 Amp capacity. Excludes fuse.		
26 24 16 00-0620 EA 1 Pole Midget Finger-Safe Fuse Holder.....	56.19	18.67
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.45	
26 24 16 00-0621 EA 1 Pole With Indicator Midget Finger-Safe Fuse Holder.....	63.15	18.67
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.45	
26 24 16 00-0622 EA 2 Pole Midget Finger-Safe Fuse Holder.....	88.71	28.01
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	18.68	
26 24 16 00-0623 EA 2 Pole With Indicators Midget Finger-Safe Fuse Holder	106.88	28.01
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	18.68	
26 24 16 00-0624 EA 3 Pole Midget Finger-Safe Fuse Holder.....	126.88	37.36
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	24.90	
26 24 16 00-0625 EA 3 Pole With Indicators Midget Finger-Safe Fuse Holder	151.01	37.36
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	24.90	
26 24 16 00-0626 EA 3 Pole With 4th Neutral Pole Midget Finger-Safe Fuse Holder.....	171.19	37.36
Note: With indicators.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	24.90	
26 24 16 00-0627 EA 3 Pole With 4th Neutral Pole Midget Finger-Safe Fuse Holder.....	144.44	37.36
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	24.90	
26 24 16 00-0628 EA 4 Pole Midget Finger-Safe Fuse Holder.....	159.47	46.69
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	31.13	
26 24 16 00-0629 EA 4 Pole With Indicator Midget Finger-Safe Fuse Holder.....	185.97	46.69
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	31.13	
26 24 16 00-0630 EA 12 To 24 Volt DC Midget Finger-Safe Fuse Holder	63.18	18.67
Note: With indicator.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.45	
26 24 16 00-0631 EA 20 To 24 Volt DC Midget Finger-Safe Fuse Holder	66.87	18.67
Note: With indicator.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.45	
26 24 16 00-0632 EA 35 To 48 Volt DC Midget Finger-Safe Fuse Holder	63.86	18.67
Note: With indicator.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.45	
26 24 16 00-0633 Removal And Reinstallation Of Panelboards <small>(26 24 16 00-0001)</small> Note: Includes storage, cleaning and supply materials.		
26 24 16 00-0634 EA Removal And Reinstallation Of Up To 42 Circuit Capacity Panelboards With Breakers.....	1,303.25	
Note: Includes removal and reinstallation of main wiring to panelboard.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	389.10	
26 24 16 00-0635 EA Removal And Reinstallation Of Breaker, 1-2-3 Pole, Any Amperage	69.24	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	20.23	
26 24 16 00-0636 EA Panelboard Filler Plate, Fits 1" Opening.....	5.05	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	0.98	
26 24 19 Motor-Control Centers <small>(26 24)</small>		
26 24 19 00-0001 Combination Starters With Molded Case Circuit Breakers <small>(26 24 19)</small> Note: Includes NEMA 1 enclosure of indoor installation, vertical free standing floor mounted sections (90" high x 20" wide x 16" o 20" Deep), fully factory assembled and wired internally.		
26 24 19 00-0002 230 Volt Combination With Molded Case Circuit, Full Volt <small>(26 24 19 00-0001)</small> Note: 1-Speed non-reversing.		
26 24 19 00-0003 EA 230 Volt, Full Volt, 1 Speed, Non-Reversing, 7-1/2 HP Combination With Molded Case Circuit.....	1,947.52	94.85
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	56.92	
26 24 19 00-0004 EA 230 Volt, Full Volt, 1 Speed, Non-Reversing, 15 HP Combination With Molded Case Circuit	2,304.53	99.60
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	59.76	
26 24 19 00-0005 EA 230 Volt, Full Volt, 1 Speed, Non-Reversing, 30 HP Combination With Molded Case Circuit	3,422.75	104.34
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	62.61	
26 24 19 00-0006 EA 230 Volt, Full Volt, 1 Speed, Non-Reversing, 50 HP Combination With Molded Case Circuit	6,194.85	123.31
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	73.99	
26 24 19 00-0007 EA 230 Volt, Full Volt, 1 Speed, Non-Reversing, 100 HP Combination With Molded Case Circuit	12,460.49	142.28
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	85.37	
26 24 19 00-0008 EA 230 Volt, Full Volt, 1 Speed, Non-Reversing, 200 HP Combination With Molded Case Circuit	20,956.40	189.72
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	113.83	
26 24 19 00-0009 480 Volt Combination With Molded Case Circuit, Full Volt <small>(26 24 19 00-0001)</small> Note: 1-Speed non-reversing.		
26 24 19 00-0010 EA 480 Volt, Full Volt, 1 Speed, Non-Reversing, 10 HP Combination With Molded Case Circuit	1,947.52	94.85
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	56.92	
26 24 19 00-0011 EA 480 Volt, Full Volt, 1 Speed, Non-Reversing, 25 HP Combination With Molded Case Circuit	2,304.53	99.60
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	59.76	

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 24 Switchboards And Panelboards**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0012 EA 480 Volt, Full Volt, 1 Speed, Non-Reversing, 50 HP Combination With Molded Case Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3,422.75 62.61	104.34
26 24 19 00-0013 EA 480 Volt, Full Volt, 1 Speed, Non-Reversing, 100 HP Combination With Molded Case Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6,194.85 73.99	123.31
26 24 19 00-0014 EA 480 Volt, Full Volt, 1 Speed, Non-Reversing, 200 HP Combination With Molded Case Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12,460.49 85.37	142.28
26 24 19 00-0015 EA 480 Volt, Full Volt, 1 Speed, Non-Reversing, 400 HP Combination With Molded Case Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20,956.40 113.83	189.72
26 24 19 00-0016 230 Volt Combination With Molded Case Circuit, Full Volt <small>(26 24 19 00-0001)</small> Note: 1-Speed reversing.		
26 24 19 00-0017 EA 230 Volt, Full Volt, 1 Speed, Reversing, 7-1/2 HP Combination With Molded Case Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,815.39 56.92	94.85
26 24 19 00-0018 EA 230 Volt, Full Volt, 1 Speed, Reversing, 15 HP Combination With Molded Case Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3,747.91 59.76	99.60
26 24 19 00-0019 EA 230 Volt, Full Volt, 1 Speed, Reversing, 30 HP Combination With Molded Case Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5,366.26 62.61	104.34
26 24 19 00-0020 EA 230 Volt, Full Volt, 1 Speed, Reversing, 50 HP Combination With Molded Case Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9,379.49 73.99	123.31
26 24 19 00-0021 EA 230 Volt, Full Volt, 1 Speed, Reversing, 100 HP Combination With Molded Case Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18,445.48 85.37	142.28
26 24 19 00-0022 EA 230 Volt, Full Volt, 1 Speed, Reversing, 200 HP Combination With Molded Case Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	31,779.03 113.83	189.72
26 24 19 00-0023 480 Volt Combination With Molded Case Circuit, Full Volt <small>(26 24 19 00-0001)</small> Note: 1-Speed reversing.		
26 24 19 00-0024 EA 480 Volt, Full Volt, 1 Speed, Reversing, 10 HP Combination With Molded Case Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,815.39 56.92	94.85
26 24 19 00-0025 EA 480 Volt, Full Volt, 1 Speed, Reversing, 25 HP Combination With Molded Case Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3,747.91 59.76	99.60
26 24 19 00-0026 EA 480 Volt, Full Volt, 1 Speed, Reversing, 50 HP Combination With Molded Case Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5,366.26 62.61	104.34
26 24 19 00-0027 EA 480 Volt, Full Volt, 1 Speed, Reversing, 100 HP Combination With Molded Case Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9,379.49 73.99	123.31
26 24 19 00-0028 EA 480 Volt, Full Volt, 1 Speed, Reversing, 200 HP Combination With Molded Case Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18,445.48 85.37	142.28
26 24 19 00-0029 EA 480 Volt, Full Volt, 1 Speed, Reversing, 400 HP Combination With Molded Case Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	31,779.03 113.83	189.72
26 24 19 00-0030 230 Volt Combination With Molded Case Circuit, Full Volt <small>(26 24 19 00-0001)</small> Note: 2-Speed non-reversing, 2 wind.		
26 24 19 00-0031 EA 230 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 7-1/2 HP Combination With Molded Case Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3,431.17 91.06	151.77
26 24 19 00-0032 EA 230 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 15 HP Combination With Molded Case Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4,711.50 96.75	161.26
26 24 19 00-0033 EA 230 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 30 HP Combination With Molded Case Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6,925.88 102.44	170.74
26 24 19 00-0034 EA 230 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 50 HP Combination With Molded Case Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12,358.89 116.67	194.46
26 24 19 00-0035 EA 230 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 100 HP Combination With Molded Case Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20,458.62 136.60	227.66
26 24 19 00-0036 480 Volt Combination With Molded Case Circuit, Full Volt <small>(26 24 19 00-0001)</small> Note: 2-Speed non-reversing, 2 wind.		
26 24 19 00-0037 EA 480 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 10 HP Combination With Molded Case Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3,431.17 91.06	151.77
26 24 19 00-0038 EA 480 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 25 HP Combination With Molded Case Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4,711.50 96.75	161.26
26 24 19 00-0039 EA 480 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 50 HP Combination With Molded Case Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6,925.88 102.44	170.74
26 24 19 00-0040 EA 480 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 100 HP Combination With Molded Case Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12,358.89 116.67	194.46
26 24 19 00-0041 EA 480 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 200 HP Combination With Molded Case Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20,458.62 136.60	227.66
26 24 19 00-0042 230 Volt Combination With Molded Case Circuit, Full Volt <small>(26 24 19 00-0001)</small> Note: 2-Speed non-reversing, 2 wind.		
26 24 19 00-0043 EA 230 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 7-1/2 HP Combination With Molded Case Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3,949.88 56.92	94.85
26 24 19 00-0044 EA 230 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 15 HP Combination With Molded Case Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5,871.62 59.76	99.60
26 24 19 00-0045 EA 230 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 30 HP Combination With Molded Case Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8,032.39 62.61	104.34
26 24 19 00-0046 EA 230 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 50 HP Combination With Molded Case Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15,077.64 73.99	123.31
26 24 19 00-0047 EA 230 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 100 HP Combination With Molded Case Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	26,111.05 85.37	142.28



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0048 480 Volt Combination With Molded Case Circuit, Full Volt <small>(26 24 19 00-0001)</small> Note: 2-Speed non-reversing, 1 wind.		
26 24 19 00-0049 EA 480 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 10 HP Combination With Molded Case Circuit	3,949.88	94.85
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	56.92	
26 24 19 00-0050 EA 480 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 25 HP Combination With Molded Case Circuit	5,871.62	99.60
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	59.76	
26 24 19 00-0051 EA 480 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 50 HP Combination With Molded Case Circuit	8,032.39	104.34
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	62.61	
26 24 19 00-0052 EA 480 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 100 HP Combination With Molded Case Circuit	15,077.64	123.31
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	73.99	
26 24 19 00-0053 EA 480 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 200 HP Combination With Molded Case Circuit	26,111.05	142.28
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	85.37	
26 24 19 00-0054 230 Volt Combination With Molded Case Circuit <small>(26 24 19 00-0001)</small> Note: Reducing volt, auto-transformer.		
26 24 19 00-0055 EA 230 Volt, Reduced Volt, Auto Transformer, 15 HP Combination With Molded Case Circuit	5,834.85	99.60
26 24 19 00-0056 EA 230 Volt, Reduced Volt, Auto Transformer, 30 HP Combination With Molded Case Circuit	8,926.29	109.08
26 24 19 00-0057 EA 230 Volt, Reduced Volt, Auto Transformer, 50 HP Combination With Molded Case Circuit	15,035.35	123.31
26 24 19 00-0058 EA 230 Volt, Reduced Volt, Auto Transformer, 100 HP Combination With Molded Case Circuit	23,250.02	142.28
26 24 19 00-0059 EA 230 Volt, Reduced Volt, Auto Transformer, 200 HP Combination With Molded Case Circuit	39,766.37	189.72
26 24 19 00-0060 480 Volt Combination With Molded Case Circuit <small>(26 24 19 00-0001)</small> Note: Reducing volt, auto-transformer.		
26 24 19 00-0061 EA 480 Volt, Reduced Volt, Auto Transformer, 25 HP Combination With Molded Case Circuit	5,834.85	99.60
26 24 19 00-0062 EA 480 Volt, Reduced Volt, Auto Transformer, 50 HP Combination With Molded Case Circuit	8,926.29	109.08
26 24 19 00-0063 EA 480 Volt, Reduced Volt, Auto Transformer, 100 HP Combination With Molded Case Circuit	15,035.35	123.31
26 24 19 00-0064 EA 480 Volt, Reduced Volt, Auto Transformer, 200 HP Combination With Molded Case Circuit	23,250.02	142.28
26 24 19 00-0065 EA 480 Volt, Reduced Volt, Auto Transformer, 400 HP Combination With Molded Case Circuit	39,766.37	189.72
26 24 19 00-0066 230 Volt Combination With Molded Case Circuit <small>(26 24 19 00-0001)</small> Note: Reducing volt, part winding.		
26 24 19 00-0067 EA 230 Volt, Reduced Volt, Part Winding Starters, 10 HP Combination With Molded Case Circuit	3,999.33	151.77
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	91.06	
26 24 19 00-0068 EA 230 Volt, Reduced Volt, Part Winding Starters, 25 HP Combination With Molded Case Circuit	5,162.86	175.49
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	105.29	
26 24 19 00-0069 EA 230 Volt, Reduced Volt, Part Winding Starters, 50 HP Combination With Molded Case Circuit	9,058.41	194.46
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	116.67	
26 24 19 00-0070 EA 230 Volt, Reduced Volt, Part Winding Starters, 75 HP Combination With Molded Case Circuit	15,422.97	237.15
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	142.28	
26 24 19 00-0071 EA 230 Volt, Reduced Volt, Part Winding Starters, 150 HP Combination With Molded Case Circuit	21,184.08	303.54
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	182.13	
26 24 19 00-0072 480 Volt Combination With Molded Case Circuit <small>(26 24 19 00-0001)</small> Note: Reducing volt, part winding.		
26 24 19 00-0073 EA 480 Volt, Reduced Volt, Part Winding Starters, 15 HP Combination With Molded Case Circuit	3,999.33	151.77
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	91.06	
26 24 19 00-0074 EA 480 Volt, Reduced Volt, Part Winding Starters, 40 HP Combination With Molded Case Circuit	5,162.86	175.49
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	105.29	
26 24 19 00-0075 EA 480 Volt, Reduced Volt, Part Winding Starters, 75 HP Combination With Molded Case Circuit	9,058.41	194.46
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	116.67	
26 24 19 00-0076 EA 480 Volt, Reduced Volt, Part Winding Starters, 150 HP Combination With Molded Case Circuit	15,422.97	237.15
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	142.28	
26 24 19 00-0077 EA 480 Volt, Reduced Volt, Part Winding Starters, 350 HP Combination With Molded Case Circuit	21,184.08	303.54
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	182.13	
26 24 19 00-0078 230 Volt Combination With Molded Case Circuit <small>(26 24 19 00-0001)</small> Note: Reducing volt, energy saver.		
26 24 19 00-0079 EA 230 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 7-1/2 HP Combination With Molded Case Circuit	16,438.28	123.31
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	73.99	
26 24 19 00-0080 EA 230 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 15 HP Combination With Molded Case Circuit	17,442.12	151.77
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	91.06	
26 24 19 00-0081 EA 230 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 30 HP Combination With Molded Case Circuit	19,262.06	175.49
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	105.29	
26 24 19 00-0082 EA 230 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 50 HP Combination With Molded Case Circuit	29,151.80	194.46
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	116.67	
26 24 19 00-0083 EA 230 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 100 HP Combination With Molded Case Circuit	39,752.74	237.15
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	142.28	
26 24 19 00-0084 EA 230 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 200 HP Combination With Molded Case Circuit	53,944.32	303.54
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	182.13	

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 24 Switchboards And Panelboards**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0085			480 Volt Combination With Molded Case Circuit <small>(26 24 19 00-0001)</small> Note: Reducing volt, energy saver.		
26 24 19 00-0086	EA		480 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 10 HP Combination With Molded Case Circuit	16,438.28	123.31
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	73.99	
26 24 19 00-0087	EA		480 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 25 HP Combination With Molded Case Circuit	17,442.12	151.77
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	91.06	
26 24 19 00-0088	EA		480 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 50 HP Combination With Molded Case Circuit	19,262.06	175.49
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	105.29	
26 24 19 00-0089	EA		480 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 100 HP Combination With Molded Case Circuit	29,151.80	194.46
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	116.67	
26 24 19 00-0090	EA		480 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 200 HP Combination With Molded Case Circuit	39,752.74	237.15
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	142.28	
26 24 19 00-0091	EA		480 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 400 HP Combination With Molded Case Circuit	53,944.32	303.54
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	182.13	
26 24 19 00-0092			Combination Starters With Current Limiting Circuit Breakers <small>(26 24 19)</small> Note: Includes NEMA I enclosure of indoor installation, vertical free standing floor mounted sections (90" high x 20" wide x 16" to 20" deep), fully factory assembled and wired internally.		
26 24 19 00-0093			230 Volt Combination Starters With Current Limiting Circuit <small>(26 24 19 00-0092)</small> Note: Full volt, 1-speed non-reversing.		
26 24 19 00-0094	EA		230 Volt, Full Volt, 1 Speed, Non-Reversing, 7-1/2 HP Combination Starters With Current Limiting Circuit.....	2,600.26	94.85
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	56.92	
26 24 19 00-0095	EA		230 Volt, Full Volt, 1 Speed, Non-Reversing, 15 HP Combination Starters With Current Limiting Circuit.....	2,957.27	99.60
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	59.76	
26 24 19 00-0096	EA		230 Volt, Full Volt, 1 Speed, Non-Reversing, 30 HP Combination Starters With Current Limiting Circuit.....	4,564.59	104.34
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	62.61	
26 24 19 00-0097	EA		230 Volt, Full Volt, 1 Speed, Non-Reversing, 50 HP Combination Starters With Current Limiting Circuit.....	8,399.46	123.31
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	73.99	
26 24 19 00-0098	EA		230 Volt, Full Volt, 1 Speed, Non-Reversing, 100 HP Combination Starters With Current Limiting Circuit.....	15,023.64	142.28
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	85.37	
26 24 19 00-0099	EA		230 Volt, Full Volt, 1 Speed, Non-Reversing, 200 HP Combination Starters With Current Limiting Circuit.....	24,481.20	189.72
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	113.83	
26 24 19 00-0100			480 Volt Combination Starters With Current Limiting Circuit <small>(26 24 19 00-0092)</small> Note: Full volt, 1-speed non-reversing.		
26 24 19 00-0101	EA		480 Volt, Full Volt, 1 Speed, Non-Reversing, 10 HP Combination Starters With Current Limiting Circuit.....	2,600.26	94.85
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	56.92	
26 24 19 00-0102	EA		480 Volt, Full Volt, 1 Speed, Non-Reversing, 25 HP Combination Starters With Current Limiting Circuit.....	2,957.27	99.60
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	59.76	
26 24 19 00-0103	EA		480 Volt, Full Volt, 1 Speed, Non-Reversing, 50 HP Combination Starters With Current Limiting Circuit.....	4,564.59	104.34
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	62.61	
26 24 19 00-0104	EA		480 Volt, Full Volt, 1 Speed, Non-Reversing, 100 HP Combination Starters With Current Limiting Circuit.....	8,399.46	123.31
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	73.99	
26 24 19 00-0105	EA		480 Volt, Full Volt, 1 Speed, Non-Reversing, 200 HP Combination Starters With Current Limiting Circuit.....	15,023.64	142.28
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	85.37	
26 24 19 00-0106	EA		480 Volt, Full Volt, 1 Speed, Non-Reversing, 400 HP Combination Starters With Current Limiting Circuit.....	24,481.20	189.72
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	113.83	
26 24 19 00-0107			230 Volt Combination Starters With Current Limiting Circuit <small>(26 24 19 00-0092)</small> Note: Full volt, 1-speed reversing.		
26 24 19 00-0108	EA		230 Volt, Full Volt, 1 Speed, Reversing, 7-1/2 HP Combination Starters With Current Limiting Circuit	3,462.62	94.85
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	56.92	
26 24 19 00-0109	EA		230 Volt, Full Volt, 1 Speed, Reversing, 15 HP Combination Starters With Current Limiting Circuit	4,387.78	99.60
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	59.76	
26 24 19 00-0110	EA		230 Volt, Full Volt, 1 Speed, Reversing, 30 HP Combination Starters With Current Limiting Circuit	6,482.36	104.34
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	62.61	
26 24 19 00-0111	EA		230 Volt, Full Volt, 1 Speed, Reversing, 50 HP Combination Starters With Current Limiting Circuit	11,554.68	123.31
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	73.99	
26 24 19 00-0112	EA		230 Volt, Full Volt, 1 Speed, Reversing, 100 HP Combination Starters With Current Limiting Circuit	20,957.15	142.28
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	85.37	
26 24 19 00-0113			480 Volt Combination Starters With Current Limiting Circuit <small>(26 24 19 00-0092)</small> Note: Full volt, 1-speed reversing.		
26 24 19 00-0114	EA		480 Volt, Full Volt, 1 Speed, Reversing, 10 HP Combination Starters With Current Limiting Circuit	3,462.62	94.85
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	56.92	
26 24 19 00-0115	EA		480 Volt, Full Volt, 1 Speed, Reversing, 25 HP Combination Starters With Current Limiting Circuit	4,387.78	99.60
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	59.76	
26 24 19 00-0116	EA		480 Volt, Full Volt, 1 Speed, Reversing, 50 HP Combination Starters With Current Limiting Circuit	6,482.36	104.34
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	62.61	
26 24 19 00-0117	EA		480 Volt, Full Volt, 1 Speed, Reversing, 100 HP Combination Starters With Current Limiting Circuit	11,554.68	123.31
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	73.99	
26 24 19 00-0118	EA		480 Volt, Full Volt, 1 Speed, Reversing, 200 HP Combination Starters With Current Limiting Circuit	20,957.15	142.28
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	85.37	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0119 230 Volt Combination Starters With Current Limiting Circuit <small>(26 24 19 00-0092)</small> Note: Full volt, 2-speed non-reversing, 2 wind.		
26 24 19 00-0120 EA 230 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 7-1/2 HP Combination Starters With Current Limiting Circuit	4,067.36	151.77
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	91.06	
26 24 19 00-0121 EA 230 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 15 HP Combination Starters With Current Limiting Circuit	5,338.50	161.26
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	96.75	
26 24 19 00-0122 EA 230 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 30 HP Combination Starters With Current Limiting Circuit	8,023.59	170.74
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	102.44	
26 24 19 00-0123 EA 230 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 50 HP Combination Starters With Current Limiting Circuit	14,508.34	194.46
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	116.67	
26 24 19 00-0124 EA 230 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 100 HP Combination Starters With Current Limiting Circuit	22,950.07	227.66
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	136.60	
26 24 19 00-0125 480 Volt Combination Starters With Current Limiting Circuit <small>(26 24 19 00-0092)</small> Note: Full volt, 2-speed non-reversing, 2 wind.		
26 24 19 00-0126 EA 480 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 10 HP Combination Starters With Current Limiting Circuit	4,067.36	151.77
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	91.06	
26 24 19 00-0127 EA 480 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 25 HP Combination Starters With Current Limiting Circuit	5,338.50	161.26
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	96.75	
26 24 19 00-0128 EA 480 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 50 HP Combination Starters With Current Limiting Circuit	8,023.59	170.74
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	102.44	
26 24 19 00-0129 EA 480 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 100 HP Combination Starters With Current Limiting Circuit	14,508.34	194.46
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	116.67	
26 24 19 00-0130 EA 480 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 200 HP Combination Starters With Current Limiting Circuit	22,950.07	227.66
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	136.60	
26 24 19 00-0131 230 Volt Combination Starters With Current Limiting Circuit <small>(26 24 19 00-0092)</small> Note: Full volt, 2-speed non-reversing, 1 wind.		
26 24 19 00-0132 EA 230 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 7-1/2 HP Combination Starters With Current Limiting Circuit	4,680.92	142.28
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	85.37	
26 24 19 00-0133 EA 230 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 15 HP Combination Starters With Current Limiting Circuit	6,591.91	151.77
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	91.06	
26 24 19 00-0134 EA 230 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 30 HP Combination Starters With Current Limiting Circuit	9,238.40	161.26
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	96.75	
26 24 19 00-0135 EA 230 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 50 HP Combination Starters With Current Limiting Circuit	17,324.66	184.97
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	110.98	
26 24 19 00-0136 EA 230 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 100 HP Combination Starters With Current Limiting Circuit	28,704.65	218.17
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	130.91	
26 24 19 00-0137 480 Volt Combination Starters With Current Limiting Circuit <small>(26 24 19 00-0092)</small> Note: Full volt, 2-speed non-reversing, 1 wind.		
26 24 19 00-0138 EA 480 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 10 HP Combination Starters With Current Limiting Circuit	4,680.92	142.28
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	85.37	
26 24 19 00-0139 EA 480 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 25 HP Combination Starters With Current Limiting Circuit	6,591.91	151.77
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	91.06	
26 24 19 00-0140 EA 480 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 50 HP Combination Starters With Current Limiting Circuit	9,238.40	161.26
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	96.75	
26 24 19 00-0141 EA 480 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 100 HP Combination Starters With Current Limiting Circuit	17,324.66	184.97
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	110.98	
26 24 19 00-0142 EA 480 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 200 HP Combination Starters With Current Limiting Circuit	28,704.65	218.17
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	130.91	
26 24 19 00-0143 230 Volt Combination Starters With Current Limiting Circuit <small>(26 24 19 00-0092)</small> Note: Reduced volt, auto-transformer.		
26 24 19 00-0144 EA 230 Volt, Reduced Volt, Auto Transformer, 15 HP Combination Starters With Current Limiting Circuit	6,452.65	99.60
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	59.76	
26 24 19 00-0145 EA 230 Volt, Reduced Volt, Auto Transformer, 30 HP Combination Starters With Current Limiting Circuit	10,382.54	109.08
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	65.45	

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 24 Switchboards And Panelboards**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0146 EA 230 Volt, Reduced Volt, Auto Transformer, 50 HP Combination Starters With Current Limiting Circuit.....	17,537.83	123.31
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	73.99	
26 24 19 00-0147 EA 230 Volt, Reduced Volt, Auto Transformer, 100 HP Combination Starters With Current Limiting Circuit.....	26,561.53	142.28
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	85.37	
26 24 19 00-0148 EA 230 Volt, Reduced Volt, Auto Transformer, 200 HP Combination Starters With Current Limiting Circuit.....	43,695.69	189.72
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	113.83	
26 24 19 00-0149 480 Volt Combination Starters With Current Limiting Circuit (26 24 19 00-0092)		
Note: Reduced volt, auto-transformer.		
26 24 19 00-0150 EA 480 Volt, Reduced Volt, Auto Transformer, 25 HP Combination Starters With Current Limiting Circuit.....	6,452.65	99.60
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	59.76	
26 24 19 00-0151 EA 480 Volt, Reduced Volt, Auto Transformer, 50 HP Combination Starters With Current Limiting Circuit.....	10,382.54	109.08
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	65.45	
26 24 19 00-0152 EA 480 Volt, Reduced Volt, Auto Transformer, 100 HP Combination Starters With Current Limiting Circuit.....	17,537.83	123.31
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	73.99	
26 24 19 00-0153 EA 480 Volt, Reduced Volt, Auto Transformer, 200 HP Combination Starters With Current Limiting Circuit.....	26,561.53	142.28
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	85.37	
26 24 19 00-0154 EA 480 Volt, Reduced Volt, Auto Transformer, 400 HP Combination Starters With Current Limiting Circuit.....	43,695.69	189.72
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	113.83	
26 24 19 00-0155 230 Volt Combination Starters With Current Limiting Circuit (26 24 19 00-0092)		
Note: Reduced volt, part winding.		
26 24 19 00-0156 EA 230 Volt, Reduced Volt, Part Winding Starters, 10 HP Combination Starters With Current Limiting Circuit	4,635.52	151.77
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	91.06	
26 24 19 00-0157 EA 230 Volt, Reduced Volt, Part Winding Starters, 25 HP Combination Starters With Current Limiting Circuit	5,786.18	175.49
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	105.29	
26 24 19 00-0158 EA 230 Volt, Reduced Volt, Part Winding Starters, 50 HP Combination Starters With Current Limiting Circuit	10,148.77	194.46
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	116.67	
26 24 19 00-0159 EA 230 Volt, Reduced Volt, Part Winding Starters, 75 HP Combination Starters With Current Limiting Circuit	17,956.71	237.15
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	142.28	
26 24 19 00-0160 EA 230 Volt, Reduced Volt, Part Winding Starters, 150 HP Combination Starters With Current Limiting Circuit	26,483.23	303.54
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	182.13	
26 24 19 00-0161 480 Volt Combination Starters With Current Limiting Circuit (26 24 19 00-0092)		
Note: Reduced volt, part winding.		
26 24 19 00-0162 EA 480 Volt, Reduced Volt, Part Winding Starters, 15 HP Combination Starters With Current Limiting Circuit	4,635.52	151.77
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	91.06	
26 24 19 00-0163 EA 480 Volt, Reduced Volt, Part Winding Starters, 40 HP Combination Starters With Current Limiting Circuit	5,786.18	175.49
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	105.29	
26 24 19 00-0164 EA 480 Volt, Reduced Volt, Part Winding Starters, 75 HP Combination Starters With Current Limiting Circuit	10,148.77	194.46
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	116.67	
26 24 19 00-0165 EA 480 Volt, Reduced Volt, Part Winding Starters, 150 HP Combination Starters With Current Limiting Circuit	17,956.71	237.15
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	142.28	
26 24 19 00-0166 EA 480 Volt, Reduced Volt, Part Winding Starters, 350 HP Combination Starters With Current Limiting Circuit	26,483.23	303.54
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	182.13	
26 24 19 00-0167 230 Volt Combination Starters With Current Limiting Circuit (26 24 19 00-0092)		
Note: Reduced volt, energy saving		
26 24 19 00-0168 EA 230 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 7.5 HP Combination Starters With Current Limiting Circuit.....	16,965.99	123.31
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	73.99	
26 24 19 00-0169 EA 230 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 15 HP Combination Starters With Current Limiting Circuit.....	17,964.31	151.77
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	91.06	
26 24 19 00-0170 EA 230 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 30 HP Combination Starters With Current Limiting Circuit.....	19,765.87	175.49
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	105.29	
26 24 19 00-0171 EA 230 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 50 HP Combination Starters With Current Limiting Circuit.....	29,569.19	194.46
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	116.67	
26 24 19 00-0172 EA 230 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 100 HP Combination Starters With Current Limiting Circuit.....	40,076.35	237.15
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	142.28	
26 24 19 00-0173 EA 230 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 200 HP Combination Starters With Current Limiting Circuit.....	56,163.64	303.54
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	182.13	
26 24 19 00-0174 480 Volt Combination Starters With Current Limiting Circuit (26 24 19 00-0092)		
Note: Reduced volt, energy saving		
26 24 19 00-0175 EA 480 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 10 HP Combination Starters With Current Limiting Circuit.....	16,966.03	123.31
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	74.00	
26 24 19 00-0176 EA 480 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 25 HP Combination Starters With Current Limiting Circuit.....	17,964.31	151.77
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	91.06	
26 24 19 00-0177 EA 480 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 50 HP Combination Starters With Current Limiting Circuit.....	19,765.87	175.49
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	105.29	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0178 EA 480 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 100 HP Combination Starters With Current Limiting Circuit.....	29,569.19	194.46
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	116.67	
26 24 19 00-0179 EA 480 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 200 HP Combination Starters With Current Limiting Circuit.....	40,076.35	237.15
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	142.28	
26 24 19 00-0180 EA 480 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 400 HP Combination Starters With Current Limiting Circuit.....	56,163.64	303.54
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	182.13	
26 24 19 00-0181 Combination Starters With Fusible Switch <small>(26 24 19)</small> Note: Includes NEMA I enclosure of indoor installation, vertical free standing floor mounted sections (90" high x 20" wide x 16" to 20" deep), fully factory assembled and Wired Internally.		
26 24 19 00-0182 230 Volt Combination Starters With Fusible Switch, Full Volt <small>(26 24 19 00-0181)</small> Note: 1-Speed non-reversing.		
26 24 19 00-0183 EA 7-1/2 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Non-Reversing.....	1,734.23	94.85
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	56.92	
26 24 19 00-0184 EA 15 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Non-Reversing.....	2,387.27	99.60
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	59.76	
26 24 19 00-0185 EA 30 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Non-Reversing.....	4,014.81	104.34
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	62.61	
26 24 19 00-0186 EA 50 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Non-Reversing.....	7,071.91	123.31
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	73.99	
26 24 19 00-0187 EA 100 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Non-Reversing.....	11,471.26	142.28
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	85.37	
26 24 19 00-0188 EA 200 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Non-Reversing.....	20,450.76	189.72
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	113.83	
26 24 19 00-0189 480 Volt Combination Starters With Fusible Switch, Full Volt <small>(26 24 19 00-0181)</small> Note: 1-Speed non-reversing.		
26 24 19 00-0190 EA 10 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Non-Reversing.....	1,734.23	94.85
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	56.92	
26 24 19 00-0191 EA 25 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Non-Reversing.....	2,387.27	99.60
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	59.76	
26 24 19 00-0192 EA 50 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Non-Reversing.....	4,014.81	104.34
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	62.61	
26 24 19 00-0193 EA 100 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Non-Reversing.....	7,071.91	123.31
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	73.99	
26 24 19 00-0194 EA 200 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Non-Reversing.....	11,471.26	142.28
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	85.37	
26 24 19 00-0195 EA 400 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Non-Reversing.....	20,450.76	189.72
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	113.83	
26 24 19 00-0196 230 Volt Combination Starters With Fusible Switch, Full Volt <small>(26 24 19 00-0181)</small> Note: 1-Speed reversing.		
26 24 19 00-0197 EA 7-1/2 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Reversing.....	2,791.49	94.85
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	56.92	
26 24 19 00-0198 EA 15 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Reversing.....	4,152.43	99.60
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	59.76	
26 24 19 00-0199 EA 30 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Reversing.....	6,634.97	104.34
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	62.61	
26 24 19 00-0200 EA 50 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Reversing.....	10,806.32	123.31
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	73.99	
26 24 19 00-0201 EA 100 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Reversing.....	16,617.80	142.28
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	85.37	
26 24 19 00-0202 EA 200 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Reversing.....	28,239.52	189.72
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	113.83	
26 24 19 00-0203 480 Volt Combination Starters With Fusible Switch, Full Volt <small>(26 24 19 00-0181)</small> Note: 1-Speed reversing.		
26 24 19 00-0204 EA 10 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Reversing.....	2,791.49	94.85
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	56.92	
26 24 19 00-0205 EA 25 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Reversing.....	4,152.43	99.60
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	59.76	
26 24 19 00-0206 EA 50 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Reversing.....	6,634.97	104.34
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	62.61	
26 24 19 00-0207 EA 100 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Reversing.....	10,806.32	123.31
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	73.99	
26 24 19 00-0208 EA 200 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Reversing.....	16,617.80	142.28
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	85.37	
26 24 19 00-0209 EA 400 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Reversing.....	28,239.52	189.72
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	113.83	
26 24 19 00-0210 230 Volt Combination Starters With Fusible Switch, Full Volt <small>(26 24 19 00-0181)</small> Note: 2-Speed non-reversing, 2 wind.		
26 24 19 00-0211 EA 10 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 2 Wind Starter.....	3,276.72	151.77
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	91.06	

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 24 Switchboards And Panelboards**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0212 EA 15 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 2 Wind Starter 4,498.21 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 96.75	4,498.21	161.26
26 24 19 00-0213 EA 30 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 2 Wind Starter 7,063.78 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 102.44	7,063.78	170.74
26 24 19 00-0214 EA 50 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 2 Wind Starter 12,597.92 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 116.67	12,597.92	194.46
26 24 19 00-0215 EA 100 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 2 Wind Starter 20,055.95 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 136.60	20,055.95	227.66
26 24 19 00-0216 480 Volt Combination Starters With Fusible Switch, Full Volt (26 24 19 00-0181) Note: 2-Speed non-reversing, 2 wind.		
26 24 19 00-0217 EA 10 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 2 Wind Starter 3,276.72 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 91.06	3,276.72	151.77
26 24 19 00-0218 EA 25 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 2 Wind Starter 4,498.21 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 96.75	4,498.21	161.26
26 24 19 00-0219 EA 50 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 2 Wind Starter 7,063.78 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 102.44	7,063.78	170.74
26 24 19 00-0220 EA 100 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 2 Wind Starter 12,597.92 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 116.67	12,597.92	194.46
26 24 19 00-0221 EA 200 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 2 Wind Starter 20,055.95 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 136.60	20,055.95	227.66
26 24 19 00-0222 230 Volt Combination Starters With Fusible Switch, Full Volt (26 24 19 00-0181) Note: 2-Speed non-reversing, 1 wind.		
26 24 19 00-0223 EA 7-1/2 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 1 Wind Starter 3,725.55 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 56.92	3,725.55	94.85
26 24 19 00-0224 EA 15 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 1 Wind Starter 5,673.04 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 59.76	5,673.04	99.60
26 24 19 00-0225 EA 30 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 1 Wind Starter 8,161.10 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 62.61	8,161.10	104.34
26 24 19 00-0226 EA 50 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 1 Wind Starter 16,434.61 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 73.99	16,434.61	123.31
26 24 19 00-0227 480 Volt Combination Starters With Fusible Switch, Full Volt (26 24 19 00-0181) Note: 2-Speed non-reversing, 1 wind.		
26 24 19 00-0228 EA 10 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 1 Wind Starter 3,725.55 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 56.92	3,725.55	94.85
26 24 19 00-0229 EA 25 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 1 Wind Starter 5,673.04 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 59.76	5,673.04	99.60
26 24 19 00-0230 EA 50 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 1 Wind Starter 8,161.10 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 62.61	8,161.10	104.34
26 24 19 00-0231 EA 100 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 1 Wind Starter 16,434.61 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 73.99	16,434.61	123.31
26 24 19 00-0232 230 Volt Combination Starters With Fusible Switch, Reduced Volt (26 24 19 00-0181) Note: Auto-transformer.		
26 24 19 00-0233 EA 15 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Auto-Transformer..... 5,634.43 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 59.76	5,634.43	99.60
26 24 19 00-0234 EA 30 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Auto-Transformer..... 9,935.74 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 65.45	9,935.74	109.08
26 24 19 00-0235 EA 50 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Auto-Transformer..... 16,543.09 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 73.99	16,543.09	123.31
26 24 19 00-0236 EA 100 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Auto-Transformer..... 22,084.28 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 85.37	22,084.28	142.28
26 24 19 00-0237 EA 200 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Auto-Transformer..... 37,092.89 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 113.83	37,092.89	189.72
26 24 19 00-0238 480 Volt Combination Starters With Fusible Switch, Reduced Volt (26 24 19 00-0181) Note: Auto-transformer.		
26 24 19 00-0239 EA 25 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Auto-Transformer..... 5,634.43 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 59.76	5,634.43	99.60
26 24 19 00-0240 EA 50 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Auto-Transformer..... 9,935.74 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 65.45	9,935.74	109.08
26 24 19 00-0241 EA 100 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Auto-Transformer..... 16,543.09 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 73.99	16,543.09	123.31
26 24 19 00-0242 EA 200 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Auto-Transformer..... 22,084.28 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 85.37	22,084.28	142.28
26 24 19 00-0243 EA 400 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Auto-Transformer..... 37,092.89 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 113.83	37,092.89	189.72
26 24 19 00-0244 230 Volt Combination Starters With Fusible Switch, Reduced Volt (26 24 19 00-0181) Note: Part winding.		
26 24 19 00-0245 EA 10 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Part Winding Starters..... 4,023.23 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 91.06	4,023.23	151.77
26 24 19 00-0246 EA 25 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Part Winding Starters..... 5,320.98 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 105.29	5,320.98	175.49
26 24 19 00-0247 EA 50 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Part Winding Starters..... 8,455.32 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 116.67	8,455.32	194.46



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0248 EA 75 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Part Winding Starters..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16,825.90 142.28	237.15
26 24 19 00-0249 480 Volt Combination Starters With Fusible Switch, Reduced Volt (26 24 19 00-0181) Note: Part winding.		
26 24 19 00-0250 EA 15 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Part Winding Starters..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4,023.23 91.06	151.77
26 24 19 00-0251 EA 40 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Part Winding Starters..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5,320.98 105.29	175.49
26 24 19 00-0252 EA 75 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Part Winding Starters..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8,455.32 116.67	194.46
26 24 19 00-0253 EA 150 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Part Winding Starters..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16,825.90 142.28	237.15
26 24 19 00-0254 230 Volt Combination Starters With Fusible Switch, Reduced Volt (26 24 19 00-0181) Note: Energy saver.		
26 24 19 00-0255 EA 7.5 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Energy Saver Solid State Starter With MCP	16,436.44 73.99	123.31
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
26 24 19 00-0256 EA 15 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Energy Saver Solid State Starter With MCP	17,442.12 91.06	151.77
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
26 24 19 00-0257 EA 30 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Energy Saver Solid State Starter With MCP	19,262.06 105.29	175.49
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
26 24 19 00-0258 EA 50 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Energy Saver Solid State Starter With MCP	29,151.80 116.67	194.46
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
26 24 19 00-0259 EA 100 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Energy Saver Solid State Starter With MCP	39,752.74 142.28	237.15
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
26 24 19 00-0260 EA 200 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Energy Saver Solid State Starter With MCP	53,944.32 182.13	303.54
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
26 24 19 00-0261 480 Volt Combination Starters With Fusible Switch, Reduced Volt (26 24 19 00-0181) Note: Energy saver.		
26 24 19 00-0262 EA 10 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Energy Saver Solid State Starter With MCP	16,436.44 73.99	123.31
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
26 24 19 00-0263 EA 25 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Energy Saver Solid State Starter With MCP	17,442.12 91.06	151.77
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
26 24 19 00-0264 EA 50 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Energy Saver Solid State Starter With MCP	19,262.06 105.29	175.49
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
26 24 19 00-0265 EA 100 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Energy Saver Solid State Starter With MCP	29,151.80 116.67	194.46
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
26 24 19 00-0266 EA 200 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Energy Saver Solid State Starter With MCP	39,752.74 142.28	237.15
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
26 24 19 00-0267 EA 400 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Energy Saver Solid State Starter With MCP	53,944.32 182.13	303.54
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
26 24 19 00-0268 Starter Accessories (26 24 19)		
26 24 19 00-0269 Starter Modifications (26 24 19 00-0268)		
26 24 19 00-0270 EA Control Circuit Transformer 60 Hertz, Size 1, 2, 50 VA Standard.....	94.27	
26 24 19 00-0271 EA Control Circuit Transformer 60 Hertz, Size 3, 4, 150 VA Standard	286.84	
26 24 19 00-0272 EA Control Circuit Transformer 60 Hertz, Size 5, 6, 50 VA	410.03	
26 24 19 00-0273 EA Control Circuit Transformer 60 Hertz, All Sizes, Extra 50 VA	102.97	
26 24 19 00-0274 EA Control Circuit Transformer 60 Hertz, All Sizes, Extra 100 VA	145.26	
26 24 19 00-0275 EA Control Circuit Transformer 60 Hertz, All Sizes, Extra 150 VA	244.55	
26 24 19 00-0276 EA Overload Relay Heater Elements, 3 Per Starter	60.68	
26 24 19 00-0277 EA N.O. Overload Relay Alarm	51.48	
26 24 19 00-0278 EA Control Circuit Fuses, Primary/Secondary	34.80	
26 24 19 00-0279 EA Control Devices Type PB2 Mount On Device, 2 Unit Pushbutton.....	43.02	
26 24 19 00-0280 EA Control Devices Type PB2 Mount On Device, 3 Unit Pushbutton.....	84.15	
26 24 19 00-0281 EA Control Devices Type PB2 Mount On Device, 2 Or 3 Post Select	43.02	
26 24 19 00-0282 EA Control Devices Type PB2 Mount On Device, Individual Light Full V	49.35	
26 24 19 00-0283 EA Control Devices Type PB2 Mount On Device, Individual Light Transformer	59.47	
26 24 19 00-0284 EA Control Devices Type PB2 Mount On Device, Individual Light Push To	70.23	
26 24 19 00-0285 EA Blank Devices Panel.....	13.29	
26 24 19 00-0286 EA Oversize Or Special Color Starter.....	20.88	
26 24 19 00-0287 EA Mini Voltmeter/Ammeter With Current Transformer	202.45	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.54	
26 24 19 00-0288 EA Mini Elapsed Time Meters, Non Resettable.....	185.37	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.54	

26	Electrical
26 20	Low-Voltage Electrical Distribution
26 24	Switchboards And Panelboards



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 24 19 00-0289	EA		Panel Elapsed Time Meter, Resettable.....	246.75	
26 24 19 00-0290	EA		Terminal Blocks, Side Mounted, Press Connection, Plug-In Press.....	20.88	
26 24 19 00-0291	EA		Terminal Blocks, Side Mounted, Press Connection, Plug-In Screw.....	29.74	
26 24 19 00-0292	EA		Terminal Blocks, Front Mounted, Press Connection, Standard.....	20.88	
26 24 19 00-0293	EA		Terminal Blocks, Front Mounted, Press Connection, Plug-In.....	29.74	
26 24 19 00-0294	EA		Terminal Blocks, Front Mounted, Press Connection, Screw-Type Utility.....	29.74	
26 24 19 00-0295	EA		Terminal Blocks, Front Mounted, Press Connection, Plug-In Screw Type.....	43.02	
26 24 19 00-0296	EA		MOR - A Solid State Modular Overload Relay.....	106.93	
26 24 19 00-0297	EA		Heater Module.....	39.88	
26 24 19 00-0298	EA		LAM - Long Acceleration Module.....	247.76	
26 24 19 00-0299	EA		JAM - Jam Protection Module.....	284.02	
26 24 19 00-0300	EA		PUM - Phase Unbalance Module.....	539.03	
26 24 19 00-0301	EA		ULM - Underload Module.....	258.64	
26 24 19 00-0302	EA		Wiring To Common Control Circuit Transformer.....	56.80	
26 24 19 00-0303	EA		Handle Operator Separable Source Control Circuit.....	106.36	
26 24 19 00-0304	EA		Type SIS Control Wire.....	44.72	
26 24 19 00-0305	EA		Ring Or Spade Terminals Control.....	56.80	
26 24 19 00-0306	EA		Ring Terminals Power.....	56.80	
26 24 19 00-0307	EA		14 Gauge Control Wire.....	44.72	
26 24 19 00-0308	EA		Wiremakers.....	56.80	
26 24 19 00-0309	EA		Wiring Diagram On Door.....	33.84	
26 24 19 00-0310	EA		Special Color Or Type Control Wire.....	41.09	
26 24 19 00-0311	EA		Current Transformer 12.5 VA.....	322.69	
26 24 19 00-0312	EA		Ground Fault Relay-Instant Non-Adjust, Size 1 Thru 4.....	1,030.92	
26 24 19 00-0313	EA		Ground Fault Relay-Instant Non-Adjust, Size 5 Thru 6.....	1,160.24	

26 24 19 00-0314 Control Relays And Special Components (26 24 19 00-0268)

26 24 19 00-0315	EA		Control Relays, 600 Volt, 2 Pole.....	247.13	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>8.54</i>	
26 24 19 00-0316	EA		Control Relays, 600 Volt, 4 Pole.....	299.16	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>14.23</i>	
26 24 19 00-0317	EA		Control Relays, 600 Volt, 6 Pole.....	360.69	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>22.77</i>	
26 24 19 00-0318	EA		Control Relays, 600 Volt, 8 Pole.....	406.70	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>28.46</i>	
26 24 19 00-0319	EA		Control Relays, Pneumatic Timer.....	308.84	
26 24 19 00-0320	EA		Control Relays, Motor Driven Timer.....	804.80	
26 24 19 00-0321	EA		Control Relays, 7 Day Time Switch.....	1,012.95	
26 24 19 00-0322	EA		Control Relays, 24 Hour Time Switch.....	284.05	
26 24 19 00-0323	EA		Control Relays, Phase Voltage.....	483.18	
26 24 19 00-0324	EA		Control Relays, Two Circuit Alternator.....	676.30	
26 24 19 00-0325	EA		Control Relays, Manual 120 Volt.....	66.13	
26 24 19 00-0326	EA		Control Relays, Over-Current Relay.....	2,305.98	
26 24 19 00-0327	EA		Control Relays, UV-Relay.....	1,953.08	
26 24 19 00-0328	EA		Control Relays, Over-Current Relay.....	1,953.08	
26 24 19 00-0329	EA		Control Relays, Teleductor.....	498.21	
26 24 19 00-0330	EA		Control Relays, Current Transducer.....	1,339.82	
26 24 19 00-0331	EA		Control Relays, Watt Transducer.....	2,679.65	
26 24 19 00-0332	EA		Control Relays, Blank, Add For Each 1x.....	90.92	
26 24 19 00-0333	EA		Control Relays, Fixed Mounted Back Pan, 20" Structure With Wireway.....	136.01	
26 24 19 00-0334	EA		Control Relays, Fixed Mounted Back Pan, 24" Structure With Wireway.....	153.29	
26 24 19 00-0335	EA		Control Relays, Fixed Mounted Back Pan, 280" Structure With Wireway.....	170.58	
26 24 19 00-0336	EA		Control Relays, Fixed Mounted Back Pan, 20" Structure Without Wireway.....	153.29	
26 24 19 00-0337	EA		Control Relays, Fixed Mounted Back Pan, 24" Structure Without Wireway.....	170.58	
26 24 19 00-0338	EA		Control Relays, Fixed Mounted Back Pan, 2820" Structure Without Wireway.....	179.60	

26 24 19 00-0339 Circuit Breaker Modifications/Accessories (26 24 19 00-0268)

26 24 19 00-0340	EA		Circuit Breaker, Shunt Trip.....	300.65	
26 24 19 00-0341	EA		Circuit Breaker, Auxiliary Switch.....	103.85	
26 24 19 00-0342	EA		Circuit Breaker, Key Interlock.....	373.51	
26 24 19 00-0343	EA		Circuit Breaker, GFR Ground Fault.....	1,721.85	
26 24 19 00-0344	EA		Circuit Breaker, Seltronic Breaker.....	997.43	

26 24 19 00-0345 Incoming Line And Feeder Circuit Breakers (26 24 19 00-0268)

26 24 19 00-0346	EA		Incoming Line And Feeder Circuit Breaker, Standard Mold, Type A, B, 100.....	975.56	61.66
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>36.99</i>	
26 24 19 00-0347	EA		Incoming Line And Feeder Circuit Breaker, Standard Mold, Type A, B, 150.....	1,683.16	94.85
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>56.92</i>	
26 24 19 00-0348	EA		Incoming Line And Feeder Circuit Breaker, Standard Mold, Type A, B, 100/100.....	1,606.12	61.66
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>36.99</i>	
26 24 19 00-0349	EA		Incoming Line And Feeder Circuit Breaker, Standard Mold, Type A, B, 100/150.....	2,312.40	94.85
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>56.92</i>	
26 24 19 00-0350	EA		Incoming Line And Feeder Circuit Breaker, Standard Mold, Type A, B, 150/150.....	2,954.91	94.85
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>56.92</i>	
26 24 19 00-0351	EA		Incoming Line And Feeder Circuit Breaker, Standard Mold, Type A, B, 250.....	1,862.24	123.31
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>74.00</i>	
26 24 19 00-0352	EA		Incoming Line And Feeder Circuit Breaker, Standard Mold, Type A, B, 400.....	2,983.05	132.80
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>79.70</i>	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0353 EA Incoming Line And Feeder Circuit Breaker, Standard Mold, Type A, B, 600 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3,932.24 102.40	170.74
26 24 19 00-0354 EA Incoming Line And Feeder Circuit Breaker, Standard Mold, Type A, B, 800 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4,659.71 156.56	260.86
26 24 19 00-0355 EA Incoming Line And Feeder Circuit Breaker, Standard Mold, Type A, B, 1200 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6,613.02 236.38	393.66
26 24 19 00-0356 EA Incoming Line And Feeder Circuit Breaker, Standard Mold, Type A, B, 2000 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14,302.97 312.76	521.71
26 24 19 00-0357 EA Incoming Line And Feeder Circuit Breaker, Standard Mold, Type A, B, 2500 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	21,301.31 392.34	654.51
26 24 19 00-0358 EA Incoming Line And Feeder Circuit Breaker, Standard Mold, Type A, B, 3000 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	35,350.43 455.71	758.77
26 24 19 00-0359 EA Incoming Line And Feeder Circuit Breaker, Current Limiting Mold, Case Circuit Breakers, 50 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,165.39 36.99	61.66
26 24 19 00-0360 EA Incoming Line And Feeder Circuit Breaker, Current Limiting Mold, Case Circuit Breakers, 150 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,867.68 56.92	94.85
26 24 19 00-0361 EA Incoming Line And Feeder Circuit Breaker, Current Limiting Mold, Case Circuit Breakers, 50 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,165.39 36.99	61.66
26 24 19 00-0362 EA Incoming Line And Feeder Circuit Breaker, Current Limiting Mold, Case Circuit Breakers, 50/50 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,867.68 56.92	94.85
26 24 19 00-0363 EA Incoming Line And Feeder Circuit Breaker, Current Limiting Mold, Case Circuit Breakers, 50/150 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,957.91 36.99	61.66
26 24 19 00-0364 EA Incoming Line And Feeder Circuit Breaker, Current Limiting Mold, Case Circuit Breakers, 150/150 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,686.75 56.92	94.85
26 24 19 00-0365 EA Incoming Line And Feeder Circuit Breaker, Current Limiting Mold, Case Circuit Breakers, 50 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3,321.30 56.92	94.85
26 24 19 00-0366 EA Incoming Line And Feeder Circuit Breaker, Current Limiting Mold, Case Circuit Breakers, 100 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,776.09 56.92	94.85
26 24 19 00-0367 EA Incoming Line And Feeder Circuit Breaker, Current Limiting Mold, Case Circuit Breakers, 400 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4,511.03 156.56	260.86
26 24 19 00-0368 EA Incoming Line And Feeder Circuit Breaker, Current Limiting Mold, Case Circuit Breakers, 125-225 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4,511.03 156.56	260.86
26 24 19 00-0369 EA Incoming Line And Feeder Circuit Breaker, Current Limiting Mold, Case Circuit Breakers, 125-400 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6,038.21 170.67	284.57
26 24 19 00-0370 EA Incoming Line And Feeder Circuit Breaker, Current Limiting Mold, Case Circuit Breakers, 300-600 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7,526.90 199.11	332.00
26 24 19 00-0371 EA Incoming Line And Feeder Circuit Breaker, Current Limiting Mold, Case Circuit Breakers, 300-800 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8,668.00 236.38	393.66
26 24 19 00-0372 Incoming Line And Feeder Fusible Switches (26 24 19 00-0268)		
26 24 19 00-0373 EA Incoming Line And Feeder Fusible Switches, 30 Or 60 Amps	1,042.98	94.85
26 24 19 00-0374 EA Incoming Line And Feeder Fusible Switches, 30 Dual / 60 Dual	1,573.55	94.85
26 24 19 00-0375 EA Incoming Line And Feeder Fusible Switches, 100 Amps	1,694.75	118.57
26 24 19 00-0376 EA Incoming Line And Feeder Fusible Switches, 200 Amps	2,725.91	142.28
26 24 19 00-0377 EA Incoming Line And Feeder Fusible Switches, 400 Amps	5,313.46	180.23
26 24 19 00-0378 EA Incoming Line And Feeder Fusible Switches, 600 Amps	7,443.67	237.15
26 24 19 00-0379 EA Incoming Line And Feeder Fusible Switches, 800 Amps	17,949.72	317.77
26 24 19 00-0380 EA Incoming Line And Feeder Fusible Switches, 1,200 Amps	20,301.01	441.09
26 24 19 00-0381 Dry Type Distribution Transformers (26 24 19 00-0268)		
26 24 19 00-0382 EA 500 VA, Phase 1, Dry Type Distribution Transformers	905.36	
26 24 19 00-0383 EA 750 VA, Phase 1, Dry Type Distribution Transformers	934.56	
26 24 19 00-0384 EA 1,000 VA, Phase 1, Dry Type Distribution Transformers	965.09	
26 24 19 00-0385 EA 1,500 VA, Phase 1, Dry Type Distribution Transformers	1,107.14	
26 24 19 00-0386 EA 2,000 VA, Phase 1, Dry Type Distribution Transformers	1,200.06	
26 24 19 00-0387 EA 3,000 VA, Phase 1, Dry Type Distribution Transformers	1,296.81	
26 24 19 00-0388 EA 5,000 VA, Phase 1, Dry Type Distribution Transformers	1,632.83	
26 24 19 00-0389 EA 7,500 VA, Phase 1, Dry Type Distribution Transformers	1,839.92	
26 24 19 00-0390 EA 9,000 VA, Phase 3, Dry Type Distribution Transformers	4,277.21	
26 24 19 00-0391 EA 10,000 VA, Phase 1, Dry Type Distribution Transformers	2,270.03	
26 24 19 00-0392 EA 15,000 VA, Phase 1, Dry Type Distribution Transformers	3,144.85	
26 24 19 00-0393 EA 15,000 VA, Phase 3, Dry Type Distribution Transformers	4,901.14	
26 24 19 00-0394 EA 20,000 VA, Phase 1, Dry Type Distribution Transformers	4,538.73	
26 24 19 00-0395 EA 30,000 VA, Phase 1, Dry Type Distribution Transformers	6,289.71	
26 24 19 00-0396 EA 30,000 VA, Phase 3, Dry Type Distribution Transformers	6,200.05	
26 24 19 00-0397 EA 45,000 VA, Phase 1, Dry Type Distribution Transformers	8,588.22	
26 24 19 00-0398 Metering Equipment (26 24 19 00-0268)		
26 24 19 00-0399 EA Metering Equipment, Voltmeter, Panel Type	203.73	
26 24 19 00-0400 EA Metering Equipment, Voltmeter, Switchboard Type	445.42	
26 24 19 00-0401 EA Metering Equipment, Ammeter, Panel	183.48	
26 24 19 00-0402 EA Metering Equipment, Ammeter, Switchboard Type	445.42	
26 24 19 00-0403 EA Metering Equipment, Voltmeter/Ammeter, Switch	247.38	
26 24 19 00-0404 EA Metering Equipment, Control Switch, 4 Circuits	262.57	
26 24 19 00-0405 EA Add For Additional Circuits	66.47	
26 24 19 00-0406 EA Metering Equipment, Indicating Wattmeter	918.67	
26 24 19 00-0407 EA Metering Equipment, Indicating Power Factor	962.33	
26 24 19 00-0408 EA Metering Equipment, Integrating Watt-hour	848.44	
26 24 19 00-0409 EA Add For Demand Attachment	435.09	

26	Electrical
26 20	Low-Voltage Electrical Distribution
26 24	Switchboards And Panelboards



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0410 EA Metering Equipment, Current Transformer, 800 Amp	253.71	
26 24 19 00-0411 EA Metering Equipment, Current Transformer, 1,000 Amp	437.82	
26 24 19 00-0412 EA Metering Equipment, Current Transformer, 2,000 Amp	509.95	
26 24 19 00-0413 EA Metering Equipment, Potential Transformer	425.17	
26 24 19 00-0414 EA Metering Equipment, Surge Arrester.....	457.44	
26 24 19 00-0415 EA Metering Equipment, Ground Detector System	349.88	
26 24 19 00-0416 Current Limiting Reactors (26 24 19 00-0268)		
26 24 19 00-0417 EA Current Limiting Reactors, 600 Amps	16,385.37	
26 24 19 00-0418 EA Current Limiting Reactors, 800 Amps	23,861.86	
26 24 19 00-0419 EA Current Limiting Reactors, 1,000 Amps	31,355.62	
26 24 19 00-0420 EA Current Limiting Reactors, 1,200 Amps	47,729.04	
26 24 19 00-0421 Incoming Line Cable Space Requirements, Main Lugs Only (26 24 19 00-0268)		
26 24 19 00-0422 EA Incoming Line Cable Space Requirement, 350 MCC, 2 Screw.....	399.00	
26 24 19 00-0423 EA Incoming Line Cable Space Requirement, 350 MCC, 2 Crimp	399.00	
26 24 19 00-0424 EA Incoming Line Cable Space Requirement, 350 MCC, 4 Screw	551.61	
26 24 19 00-0425 EA Incoming Line Cable Space Requirement, 350 MCC, 4 Crimp	1,009.45	
26 24 19 00-0426 EA Incoming Line Cable Space Requirement, 600 MCC, 2 Screw.....	551.61	
26 24 19 00-0427 EA Incoming Line Cable Space Requirement, 600 MCC, 2 Crimp	704.22	
26 24 19 00-0428 EA Incoming Line Cable Space Requirement, 600 MCC, 4 Screw	704.22	
26 24 19 00-0429 EA Incoming Line Cable Space Requirement, 600 MCC, 4 Crimp	1,007.61	
26 24 19 00-0430 EA Incoming Line Cable Space Requirement, 750 MCC, 2 Screw.....	704.22	
26 24 19 00-0431 EA Incoming Line Cable Space Requirement, 750 MCC, 2 Crimp	1,007.61	
26 24 19 00-0432 EA Incoming Line Cable Space Requirement, 750 MCC, 4 Screw	856.84	
26 24 19 00-0433 EA Incoming Line Cable Space Requirement, 750 MCC, 4 Crimp	2,778.29	
26 24 19 00-0434 EA Incoming Line Cable Space Requirement, 1,000 MCC, 2 Screw.....	856.84	
26 24 19 00-0435 EA Incoming Line Cable Space Requirement, 1,000 MCC, 2 Crimp	1,007.61	
26 24 19 00-0436 EA Incoming Line Cable Space Requirement, 1,000 MCC, 4 Screw	2,778.29	
26 24 19 00-0437 EA Incoming Line Cable Space Requirement, 1,000 MCC, 4 Crimp	2,778.29	
26 24 19 00-0438 EA Bus Duct Transition Pull Box	756.70	
26 24 19 00-0439 EA Throat And Transition To Substation	1,460.81	
26 24 19 00-0440 EA Service Entrance Label.....	316.36	
26 24 19 00-0441 EA Type W To 5 Star - 10" Transition.....	661.27	
26 24 19 00-0442 EA 600 Ampere Sub Feed Lugs On Main Bus	288.85	
26 24 19 00-0443 Standard Structures And Structure Options/Modifications (26 24 19 00-0268)		
26 24 19 00-0444 EA Standard Structure Add For Each Additional 4" Of Structure Width.....	208.90	
26 24 19 00-0445 EA Standard Structure Add For 8" Vertical Wireway In Lieu Of 4"	208.90	
26 24 19 00-0446 EA Standard Structure Single Corner Section "L", 16" Depth.....	646.24	
26 24 19 00-0447 EA Standard Structure Single Corner Section "L", 21" Depth.....	728.90	
26 24 19 00-0448 EA Standard Structure Unused Space/Future Space.....	62.37	
26 24 19 00-0449 EA Standard Structure NEMA 12 Dustproof.....	168.32	
26 24 19 00-0450 EA Standard Structure Bottom Plate For NEMA 1 Gasket Enclosure	35.32	
26 24 19 00-0451 EA Standard Structure 150 Watt Space	151.79	
26 24 19 00-0452 EA Standard Structure Thermostat For Space Heater Control	351.70	
26 24 19 00-0453 EA Standard Structure Rear Hinged Structure Door, 72" High	151.79	
26 24 19 00-0454 EA Standard Structure NEMA 2 Drip Shield On Top Of MCC	227.21	
26 24 19 00-0455 EA Standard Structure NEMA 3R N-Walk In Front Mounted.....	3,241.43	
26 24 19 00-0456 EA Standard Structure NEMA 3R N-Walk In Back-to-back	3,746.62	
26 24 19 00-0457 EA Standard Structure NEMA 3R Walk-In Aisle Front Mounted.....	3,750.25	
26 24 19 00-0458 Installation Hours For Vertical Sections (26 24 19 00-0268)		
26 24 19 00-0459 EA Install Vertical Section, 230/480 Volt, 1 Section, 600 Amps.....	569.12	284.57
26 24 19 00-0460 EA Install Vertical Section, 230/480 Volt, 2 Section, 600 Amps.....	853.68	426.86
26 24 19 00-0461 EA Install Vertical Section, 230/480 Volt, 3 Section, 600 Amps.....	948.58	474.28
26 24 19 00-0462 EA Install Vertical Section, 230/480 Volt, 4 Section, 600 Amps.....	1,138.39	569.15
26 24 19 00-0463 EA Install Vertical Section, 230/480 Volt, Bolt To Floor, 600 Amps	94.85	47.43
26 24 19 00-0464 EA Install Vertical Section, 230/480 Volt, 1 Section, 800 Amps.....	569.12	284.57
26 24 19 00-0465 EA Install Vertical Section, 230/480 Volt, 2 Section, 800 Amps.....	853.68	426.86
26 24 19 00-0466 EA Install Vertical Section, 230/480 Volt, 3 Section, 800 Amps.....	948.58	474.28
26 24 19 00-0467 EA Install Vertical Section, 230/480 Volt, 4 Section, 800 Amps.....	1,138.39	569.15
26 24 19 00-0468 EA Install Vertical Section, 230/480 Volt, Bolt To Floor, 800 Amps	94.85	47.43
26 24 19 00-0469 EA Install Vertical Section, 230/480 Volt, 1 Section, 1,200 Amps.....	664.01	332.00
26 24 19 00-0470 EA Install Vertical Section, 230/480 Volt, 2 Section, 1,200 Amps.....	853.68	426.86
26 24 19 00-0471 EA Install Vertical Section, 230/480 Volt, 3 Section, 1,200 Amps.....	1,138.39	569.15
26 24 19 00-0472 EA Install Vertical Section, 230/480 Volt, 4 Section, 1,200 Amps.....	1,327.84	663.90
26 24 19 00-0473 EA Install Vertical Section, 230/480 Volt, Bolt To Floor, 1,200 Amps	142.28	71.15
26 24 19 00-0474 EA Install Vertical Section, 230/480 Volt, 1 Section, 1,600 Amps.....	758.86	379.43
26 24 19 00-0475 EA Install Vertical Section, 230/480 Volt, 2 Section, 1,600 Amps.....	1,043.52	521.71
26 24 19 00-0476 EA Install Vertical Section, 230/480 Volt, 3 Section, 1,600 Amps.....	1,327.84	663.90
26 24 19 00-0477 EA Install Vertical Section, 230/480 Volt, 4 Section, 1,600 Amps.....	1,517.45	758.77
26 24 19 00-0478 EA Install Vertical Section, 230/480 Volt, Bolt To Floor, 1,600 Amps	189.72	94.85
26 24 19 00-0479 EA Install Vertical Section, 230/480 Volt, 1 Section, 2,000 Amps.....	758.86	379.43
26 24 19 00-0480 EA Install Vertical Section, 230/480 Volt, 2 Section, 2,000 Amps.....	1,138.39	569.15
26 24 19 00-0481 EA Install Vertical Section, 230/480 Volt, 3 Section, 2,000 Amps.....	1,422.71	711.33



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0482 EA Install Vertical Section, 230/480 Volt, 4 Section, 2,000 Amps.....	1,612.68	806.39
26 24 19 00-0483 EA Install Vertical Section, 230/480 Volt, Bolt To Floor, 2,000 Amps.....	189.72	94.85
26 24 19 00-0484 Motor Control Centers (26 24 19)		
26 24 19 00-0485 2.4 KV Motor Control Centers (26 24 19 00-0484)		
26 24 19 00-0486 EA 2.4 KV CL 11-202, Squirrel Cage Motor Control, 100 To 300 Hp.....	9,772.21	189.72
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	113.83	
26 24 19 00-0487 EA 2.4 KV CL 11-202, Squirrel Cage Motor Control, 400 Hp.....	9,772.21	189.72
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	113.83	
26 24 19 00-0488 EA 2.4 KV CL 11-202, Squirrel Cage Motor Control, 600 Hp.....	9,772.21	189.72
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	113.83	
26 24 19 00-0489 EA 2.4 KV CL 11-202, Squirrel Cage Motor Control, 700 Hp.....	9,819.66	213.43
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	128.06	
26 24 19 00-0490 EA 2.4 KV CL 11-202, Squirrel Cage Motor Control, 1,000 Hp.....	10,435.79	237.15
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	142.28	
26 24 19 00-0491 EA 2,400 KV CL 11-202, Squirrel Cage Motor Control, 1,250 Hp.....	10,483.21	260.86
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	156.51	
26 24 19 00-0492 EA 2.4 KV CL 11-202, Squirrel Cage Motor Control, 1,500 Hp.....	10,530.63	284.57
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	170.74	
26 24 19 00-0493 EA 2.4 KV CL 11-202, Squirrel Cage Motor Control, 1,750 Hp.....	10,625.52	332.00
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	199.20	
26 24 19 00-0494 EA 2.4 KV CL 11-202, Squirrel Cage Motor Control, 2,000 Hp.....	10,720.37	379.43
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	227.66	
26 24 19 00-0495 EA 2.4 KV CL 11-202, Squirrel Cage Motor Control, 2,250 Hp.....	17,904.30	426.86
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	256.10	
26 24 19 00-0496 EA 2.4 KV CL 11-202, Squirrel Cage Motor Control, 2,500 Hp.....	19,228.59	474.28
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	284.57	
26 24 19 00-0497 EA 2.4 KV CL 13-202, Wound Rotor Motor Control, 100 Hp.....	14,434.70	189.72
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	113.83	
26 24 19 00-0498 EA 2.4 KV CL 13-202, Wound Rotor Motor Control, 150 Hp.....	15,042.25	203.94
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	122.37	
26 24 19 00-0499 EA 2.4 KV CL 13-202, Wound Rotor Motor Control, 200 Hp.....	17,082.82	222.92
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	133.75	
26 24 19 00-0500 EA 2.4 KV CL 13-202, Wound Rotor Motor Control, 300 Hp.....	19,007.06	237.15
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	142.28	
26 24 19 00-0501 EA 2.4 KV CL 13-202, Wound Rotor Motor Control, 400 Hp.....	20,691.54	275.08
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	165.06	
26 24 19 00-0502 EA 2.4 KV CL 13-202, Wound Rotor Motor Control, 600 Hp.....	22,665.46	294.05
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	176.44	
26 24 19 00-0503 EA 2.4 KV CL 13-202, Wound Rotor Motor Control, 700 Hp.....	24,638.21	313.03
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	187.81	
26 24 19 00-0504 EA 2.4 KV CL 13-202, Wound Rotor Motor Control, 1,000 Hp.....	26,982.76	341.49
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	204.90	
26 24 19 00-0505 EA 2.4 KV CL 13-202, Wound Rotor Motor Control, 1,250 Hp.....	31,386.78	379.43
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	227.66	
26 24 19 00-0506 EA 2.4 KV CL 13-202, Wound Rotor Motor Control, 1,500 Hp.....	33,999.89	403.15
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	241.90	
26 24 19 00-0507 EA 2.4 KV CL 13-202, Wound Rotor Motor Control, 1,750 Hp.....	51,824.68	474.28
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	284.57	
26 24 19 00-0508 EA 2.4 KV CL 13-202, Wound Rotor Motor Control, 2,000 Hp.....	55,228.64	521.71
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	313.06	
26 24 19 00-0509 EA 2.4 KV CL 13-202, Wound Rotor Motor Control, 2,250 Hp.....	58,195.92	569.15
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	341.52	
26 24 19 00-0510 EA 2.4 KV CL 13-202, Wound Rotor Motor Control, 2,500 Hp.....	63,367.00	616.67
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	370.01	
26 24 19 00-0511 EA 2.4 KV CL 14-202, Synchronous Motor Control, 100 To 300 Hp.....	13,626.98	189.72
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	113.83	
26 24 19 00-0512 EA 2.4 KV CL 14-202, Synchronous Motor Control, 400 Hp.....	13,674.43	213.43
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	128.06	
26 24 19 00-0513 EA 2.4 KV CL 14-202, Synchronous Motor Control, 600 Hp.....	13,721.83	237.15
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	142.28	
26 24 19 00-0514 EA 2.4 KV CL 14-202, Synchronous Motor Control, 700 Hp.....	13,769.25	260.86
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	156.51	
26 24 19 00-0515 EA 2.4 KV CL 14-202, Synchronous Motor Control, 1,000 Hp.....	13,818.97	284.57
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	170.74	
26 24 19 00-0516 EA 2,400 Volt CL 14-202, Synchronous Motor Control, 1,250 HP.....	13,866.45	308.28
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	184.98	
26 24 19 00-0517 EA 2.4 KV CL 14-202, Synchronous Motor Control, 1,500 Hp.....	13,913.86	332.00
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	199.20	
26 24 19 00-0518 EA 2.4 KV CL 14-202, Synchronous Motor Control, 1,750 Hp.....	14,103.53	426.86
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	256.10	
26 24 19 00-0519 EA 2.4 KV CL 14-202, Synchronous Motor Control, 2,000 Hp.....	23,853.17	474.28
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	284.57	
26 24 19 00-0520 EA 2.4 KV CL 14-202, Synchronous Motor Control, 2,250 Hp.....	23,948.11	521.71
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	313.06	
26 24 19 00-0521 EA 2.4 KV CL 14-202, Synchronous Motor Control, 2,500 Hp.....	25,265.47	569.15
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	341.52	
26 24 19 00-0522 EA Add For Reversing Starters, 100 To 700 HP.....	5,371.55	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	56.92	
26 24 19 00-0523 EA Add For Reversing Starters, 1,000 To 1,500 Hp.....	5,532.40	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	56.92	

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 24 Switchboards And Panelboards**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24	19 00-0524	EA	Add For Reversing Starters, 1,750 To 2,500 HP..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8,433.53 56.92	
26 24	19 00-0525		4.8 KV Motor Control Centers <small>(26 24 19 00-0484)</small>		
26 24	19 00-0526	EA	4.8 KV CL 11-202, Squirrel Cage Motor Control, 100 To 600 HP..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10,691.49 170.74	284.57
26 24	19 00-0527	EA	4.8 KV CL 11-202, Squirrel Cage Motor Control, 700 HP..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10,738.97 184.98	308.28
26 24	19 00-0528	EA	4.8 KV CL 11-202, Squirrel Cage Motor Control, 1,000 HP..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10,786.38 199.20	332.00
26 24	19 00-0529	EA	4.8 KV CL 11-202, Squirrel Cage Motor Control, 1,250 HP..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10,833.84 213.44	355.71
26 24	19 00-0530	EA	4.8 KV CL 11-202, Squirrel Cage Motor Control, 1,500 HP..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11,444.22 227.66	379.43
26 24	19 00-0531	EA	4.8 KV CL 11-202, Squirrel Cage Motor Control, 1,750 HP..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11,491.70 241.90	403.15
26 24	19 00-0532	EA	4.8 KV CL 11-202, Squirrel Cage Motor Control, 2,000 HP..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11,539.04 256.10	426.86
26 24	19 00-0533	EA	4.8 KV CL 11-202, Squirrel Cage Motor Control, 2,250 HP..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11,586.55 270.36	450.57
26 24	19 00-0534	EA	4.8 KV CL 11-202, Squirrel Cage Motor Control, 2,500 HP..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11,633.94 284.57	474.28
26 24	19 00-0535	EA	4.8 KV CL 11-202, Squirrel Cage Motor Control, 3,000 HP..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	19,576.55 370.01	616.67
26 24	19 00-0536	EA	4.8 KV CL 11-202, Squirrel Cage Motor Control, 3,500 HP..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	19,671.04 398.35	663.90
26 24	19 00-0537	EA	4.8 KV CL 11-202, Squirrel Cage Motor Control, 4,000 HP..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20,989.56 426.81	711.33
26 24	19 00-0538	EA	4.8 KV CL 11-202, Squirrel Cage Motor Control, 4,500 HP..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	21,084.30 455.24	758.77
26 24	19 00-0539	EA	4.8 KV CL 13-202, Wound Rotor Motor Control, 100 HP..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14,787.54 170.74	284.57
26 24	19 00-0540	EA	4.8 KV CL 13-202, Wound Rotor Motor Control, 150 HP..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14,995.88 184.98	308.28
26 24	19 00-0541	EA	4.8 KV CL 13-202, Wound Rotor Motor Control, 200 HP..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17,467.60 199.20	332.00
26 24	19 00-0542	EA	4.8 KV CL 13-202, Wound Rotor Motor Control, 300 HP..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	19,405.11 213.44	355.71
26 24	19 00-0543	EA	4.8 KV CL 13-202, Wound Rotor Motor Control, 400 HP..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	21,061.04 227.66	379.43
26 24	19 00-0544	EA	4.8 KV CL 13-202, Wound Rotor Motor Control, 600 HP..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	23,044.53 241.90	403.15
26 24	19 00-0545	EA	4.8 KV CL 13-202, Wound Rotor Motor Control, 700 HP..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	24,907.23 256.10	426.86
26 24	19 00-0546	EA	4.8 KV CL 13-202, Wound Rotor Motor Control, 1,000 HP..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	27,361.82 270.36	450.57
26 24	19 00-0547	EA	4.8 KV CL 13-202, Wound Rotor Motor Control, 1,250 HP..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	31,660.37 284.57	474.28
26 24	19 00-0548	EA	4.8 KV CL 13-202, Wound Rotor Motor Control, 1,500 HP..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	34,587.12 298.81	498.00
26 24	19 00-0549	EA	4.8 KV CL 13-202, Wound Rotor Motor Control, 1,750 HP..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	37,561.31 327.27	545.43
26 24	19 00-0550	EA	4.8 KV CL 13-202, Wound Rotor Motor Control, 2,000 HP..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	40,008.97 341.52	569.15
26 24	19 00-0551	EA	4.8 KV CL 13-202, Wound Rotor Motor Control, 2,250 HP..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	42,318.60 355.71	592.86
26 24	19 00-0552	EA	4.8 KV CL 13-202, Wound Rotor Motor Control, 2,500 HP..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	45,543.13 370.01	616.67
26 24	19 00-0553	EA	4.8 KV CL 13-202, Wound Rotor Motor Control, 3,000 HP..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	72,035.08 455.24	758.77
26 24	19 00-0554	EA	4.8 KV CL 13-202, Wound Rotor Motor Control, 3,500 HP..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	80,081.14 483.80	806.39
26 24	19 00-0555	EA	4.8 KV CL 13-202, Wound Rotor Motor Control, 4,000 HP..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	96,175.13 512.21	853.71
26 24	19 00-0556	EA	4.8 KV CL 13-202, Wound Rotor Motor Control, 4,500 HP..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	101,695.90 512.21	853.71
26 24	19 00-0557	EA	4.8 KV CL 14-202, Synchronous Motor Control, 100 To 600 HP..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14,638.85 199.20	332.00
26 24	19 00-0558	EA	4.8 KV CL 14-202, Synchronous Motor Control, 700 HP..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14,686.31 213.44	355.71
26 24	19 00-0559	EA	4.8 KV CL 14-202, Synchronous Motor Control, 1,000 HP..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14,733.70 227.66	379.43
26 24	19 00-0560	EA	4.8 KV CL 14-202, Synchronous Motor Control, 1,250 HP..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14,781.18 241.90	403.15
26 24	19 00-0561	EA	4.8 KV CL 14-202, Synchronous Motor Control, 1,500 HP..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16,039.53 256.10	426.86
26 24	19 00-0562	EA	4.8 KV CL 14-202, Synchronous Motor Control, 1,750 HP..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16,087.04 270.36	450.57
26 24	19 00-0563	EA	4.8 KV CL 14-202, Synchronous Motor Control, 2,000 HP..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16,134.43 284.57	474.28
26 24	19 00-0564	EA	4.8 KV CL 14-202, Synchronous Motor Control, 2,250 HP..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16,181.87 298.81	498.00



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0565 EA 4.8 KV CL 14-202, Synchronous Motor Control, 2,500 HP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16,229.37 313.06	521.71
26 24 19 00-0566 EA 4.8 KV CL 14-202, Synchronous Motor Control, 3,000 HP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16,513.69 398.35	663.90
26 24 19 00-0567 EA 4.8 KV CL 14-202, Synchronous Motor Control, 3,500 HP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	26,424.16 426.81	711.33
26 24 19 00-0568 EA 4.8 KV CL 14-202, Synchronous Motor Control, 4,000 HP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	27,736.80 455.24	758.77
26 24 19 00-0569 EA 4.8 KV CL 14-202, Synchronous Motor Control, 4,500 HP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	27,736.80 455.24	758.77
26 24 19 00-0570 EA Add For Reversing Starters, 100 To 1,250 HP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8,482.29 56.92	
26 24 19 00-0571 EA Add For Reversing Starters, 1,500 To 2,500 HP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8,739.71 56.92	
26 24 19 00-0572 EA Add For Reversing Starters, 3,000 To 4,500 HP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13,382.44 56.92	
26 24 19 00-0573 2.4/4.8 KV Motor Control Centers, Accessories (26 24 19 00-0484)		
26 24 19 00-0574 EA 2.4/4.8 KV Load Break Disconnect Switch 600 Amp	11,043.93	189.72
26 24 19 00-0575 EA 2.4/4.8 KV Load Break Disconnect Switch 1,200 Amp	13,276.42	284.57
26 24 19 00-0576 EA 2.4/4.8 KV NEMA 3 Weather Resistant	4,341.19	
26 24 19 00-0577 EA 2.4/4.8 KV Space Heaters	173.48	14.23
26 24 19 00-0578 EA 2.4/4.8 KV Potential Transformer Fused	1,257.68	
26 24 19 00-0579 EA 2.4/4.8 KV Current Transformer 600 Volt, 5 KVA	674.81	
26 24 19 00-0580 EA 2.4/4.8 KV Control Transformer 4 KVA Max	2,009.71	
26 24 19 00-0581 EA 2.4/4.8 KV Pushbuttons Each	128.71	
26 24 19 00-0582 EA 2.4/4.8 KV Selector Switch Each	426.58	
26 24 19 00-0583 EA 2.4/4.8 KV Indicating Light	128.71	
26 24 19 00-0584 EA 2.4/4.8 KV Push To Test Light	389.81	
26 24 19 00-0585 EA 2.4/4.8 KV AC Voltmeter, Switchboard Type	1,037.03	
26 24 19 00-0586 EA 2.4/4.8 KV AC Ammeter, Switchboard Type	1,037.03	
26 24 19 00-0587 EA 2.4/4.8 KV Power Factor Meter	3,101.90	
26 24 19 00-0588 EA 2.4/4.8 KV Watt Hr Meter, 2 Element Drawout	2,138.42	
26 24 19 00-0589 EA 2.4/4.8 KV Operation Counter	418.27	14.23
26 24 19 00-0590 EA 2.4/4.8 KV Phase Failure Protection	3,003.68	47.43
26 24 19 00-0591 EA 2.4/4.8 KV Ground Protection	5,732.71	23.72
26 24 19 00-0592 EA 2.4/4.8 KV Synchronous Motor DC Protection	1,614.62	23.72
26 24 19 00-0593 EA 2.4/4.8 KV Lightning Arresters	2,678.89	14.23
26 24 19 00-0594 EA 2.4/4.8 KV Portable Lifting Mechanism	3,863.54	
26 24 19 00-0595 EA 2.4/4.8 KV Auxiliary Timing Relay	327.80	47.43
26 24 19 00-0596 EA 2.4/4.8 KV Auxiliary Control Relay	248.90	47.43
26 24 19 00-0597 Incoming Section And Feeder Air Circuit Breakers (26 24 19 00-0484)		
Note: 3 Pole. Includes structure.		
26 24 19 00-0598 EA Incoming Section MCC, Air Circuit Breaker, 70 - 100 Amp, 14,000 Amp IC, 3-Pole, With Structure Included	919.41	284.30
26 24 19 00-0599 EA Incoming Section MCC, Air Circuit Breaker, 125 - 225 Amp, 22,000 Amp IC, 3-Pole, With Structure Included	1,601.04	503.23
26 24 19 00-0600 EA Incoming Section MCC, Air Circuit Breaker, 125 - 400 Amp, 30,000 Amp IC, 3-Pole, With Structure Included	1,940.45	644.34
26 24 19 00-0601 EA Incoming Section MCC, Air Circuit Breaker, 125 - 600 Amp, 30,000 Amp IC, 3-Pole, With Structure Included	3,096.60	1,037.59
26 24 19 00-0602 EA Incoming Section MCC, Air Circuit Breaker, 125 - 1,200 Amp, 30,000 Amp IC, 3-Pole, With Structure Included	3,615.57	1,141.35
26 24 19 00-0603 EA Incoming Section MCC, Air Circuit Breaker, 125 - 2,000 Amp, 30,000 Amp IC, 3-Pole, With Structure Included	4,548.69	1,265.86
26 24 19 00-0604 EA Incoming Section MCC, Air Circuit Breaker, 125 - 400 Amp, 45,000 Amp IC, 3-Pole, With Structure Included	5,300.48	1,483.75
26 24 19 00-0605 EA Incoming Section MCC, Air Circuit Breaker, 125 - 400 Amp, 100,000 Amp IC, 3-Pole, With Structure Included	8,654.82	1,728.63
26 24 19 00-0606 Main Lugs Only (26 24 19 00-0484)		
26 24 19 00-0607 EA 600 Amp Incoming Section, Main Lugs	803.78	363.16
26 24 19 00-0608 EA 800 Amp Incoming Section, Main Lugs	877.24	363.16
26 24 19 00-0609 EA 1,200 Amp Incoming Section, Main Lugs	1,249.76	570.67
26 24 19 00-0610 EA 2,000 Amp Incoming Section, Main Lugs	2,845.12	1,037.59
26 24 19 00-0611 EA 3,000 Amp Incoming Section, Main Lugs	4,294.32	1,504.51
26 24 19 00-0612 EA 4,000 Amp Incoming Section, Main Lugs	6,070.66	2,075.18
26 24 19 00-0613 Incoming Main Circuit Breaker Structure (26 24 19 00-0484)		
Note: Includes structure, main breaker, 42 KA bus bracing, 600 A tin plated copper bus, NEMA 1 enclosure, 15" cabinet depth, and 1/4" x 2" tin plated copper horizontal ground bus.		
26 24 19 00-0614 EA 225 Amp, Main Circuit Breaker Section	4,288.49	502.09
<i>For 800 Amp Tin Plated Copper Bus, Add</i>		182.00
<i>For 1,200 Amp Tin Plated Copper Bus, Add</i>		334.00
<i>For NEMA 1 With Gaskets, Add</i>		97.00
<i>For NEMA 12, Add</i>		245.00
<i>For 20" Cabinet Depth, Add</i>		108.00
26 24 19 00-0615 EA 400 Amp, Main Circuit Breaker Section	8,842.54	644.96
<i>For 800 Amp Tin Plated Copper Bus, Add</i>		182.00
<i>For 1,200 Amp Tin Plated Copper Bus, Add</i>		334.00
<i>For NEMA 1 With Gaskets, Add</i>		97.00
<i>For NEMA 12, Add</i>		245.00
<i>For 20" Cabinet Depth, Add</i>		108.00

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 24 Switchboards And Panelboards**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0616	EA		600 Amp, Main Circuit Breaker Section	9,388.86	1,004.60
			<i>For 800 Amp Tin Plated Copper Bus, Add</i>	182.00	
			<i>For 1,200 Amp Tin Plated Copper Bus, Add</i>	334.00	
			<i>For NEMA 1 With Gaskets, Add</i>	97.00	
			<i>For NEMA 12, Add</i>	245.00	
			<i>For 20" Cabinet Depth, Add</i>	108.00	
26 24 19 00-0617	EA		800 Amp, Main Circuit Breaker Section	13,078.11	1,004.60
			<i>For 800 Amp Tin Plated Copper Bus, Add</i>	182.00	
			<i>For 1,200 Amp Tin Plated Copper Bus, Add</i>	334.00	
			<i>For NEMA 1 With Gaskets, Add</i>	97.00	
			<i>For NEMA 12, Add</i>	245.00	
			<i>For 20" Cabinet Depth, Add</i>	108.00	
26 24 19 00-0618	EA		1,200 Amp, Main Circuit Breaker Section	18,732.32	1,136.68
			<i>For 800 Amp Tin Plated Copper Bus, Add</i>	182.00	
			<i>For 1,200 Amp Tin Plated Copper Bus, Add</i>	334.00	
			<i>For NEMA 1 With Gaskets, Add</i>	97.00	
			<i>For NEMA 12, Add</i>	245.00	
			<i>For 20" Cabinet Depth, Add</i>	108.00	
26 24 19 00-0619			Incoming Fusible Main Disconnect Section <small>(26 24 19 00-0484)</small>		
			Note: Includes structure, fuses, 42 KA bus bracing, 600 A tin plated copper bus, NEMA 1 enclosure, 15" cabinet depth, and 1/4" x 2" tin plated copper horizontal ground bus.		
26 24 19 00-0620	EA		200 Amp, Fusible Main Disconnect Section	3,765.09	502.71
			<i>For 800 Amp Tin Plated Copper Bus, Add</i>	182.00	
			<i>For 1,200 Amp Tin Plated Copper Bus, Add</i>	334.00	
			<i>For NEMA 1 With Gaskets, Add</i>	97.00	
			<i>For NEMA 12, Add</i>	245.00	
			<i>For 20" Cabinet Depth, Add</i>	108.00	
26 24 19 00-0621	EA		400 Amp, Fusible Main Disconnect Section	5,168.29	645.27
			<i>For 800 Amp Tin Plated Copper Bus, Add</i>	182.00	
			<i>For 1,200 Amp Tin Plated Copper Bus, Add</i>	334.00	
			<i>For NEMA 1 With Gaskets, Add</i>	97.00	
			<i>For NEMA 12, Add</i>	245.00	
			<i>For 20" Cabinet Depth, Add</i>	108.00	
26 24 19 00-0622	EA		600 Amp, Fusible Main Disconnect Section	9,938.68	1,005.43
			<i>For 800 Amp Tin Plated Copper Bus, Add</i>	182.00	
			<i>For 1,200 Amp Tin Plated Copper Bus, Add</i>	334.00	
			<i>For NEMA 1 With Gaskets, Add</i>	97.00	
			<i>For NEMA 12, Add</i>	245.00	
			<i>For 20" Cabinet Depth, Add</i>	108.00	
26 24 19 00-0623	EA		800 Amp, Fusible Main Disconnect Section	11,452.08	1,005.43
			<i>For 800 Amp Tin Plated Copper Bus, Add</i>	182.00	
			<i>For 1,200 Amp Tin Plated Copper Bus, Add</i>	334.00	
			<i>For NEMA 1 With Gaskets, Add</i>	97.00	
			<i>For NEMA 12, Add</i>	245.00	
			<i>For 20" Cabinet Depth, Add</i>	108.00	
26 24 19 00-0624	EA		1,200 Amp, Fusible Main Disconnect Section	15,956.34	1,137.71
			<i>For 800 Amp Tin Plated Copper Bus, Add</i>	182.00	
			<i>For 1,200 Amp Tin Plated Copper Bus, Add</i>	334.00	
			<i>For NEMA 1 With Gaskets, Add</i>	97.00	
			<i>For NEMA 12, Add</i>	245.00	
			<i>For 20" Cabinet Depth, Add</i>	108.00	
26 24 19 00-0625			Circuit Breaker Combination Starters <small>(26 24 19 00-0484)</small>		
26 24 19 00-0626			Class I, Type A <small>(26 24 19 00-0625)</small>		
26 24 19 00-0627	EA		Size 1, Class I, Type A Circuit Breaker Combination Starter	743.29	210.63
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	120.09	
26 24 19 00-0628	EA		Size 2, Class I, Type A Circuit Breaker Combination Starter	857.44	210.63
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	133.02	
26 24 19 00-0629	EA		Size 3, Class I, Type A Circuit Breaker Combination Starter	1,229.39	298.82
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	178.90	
26 24 19 00-0630	EA		Size 4, Class I, Type A Circuit Breaker Combination Starter	1,942.05	393.24
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	235.82	
26 24 19 00-0631	EA		Size 5, Class I, Type A Circuit Breaker Combination Starter	3,341.39	491.82
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	294.77	
26 24 19 00-0632			Class I, Type B <small>(26 24 19 00-0625)</small>		
26 24 19 00-0633	EA		Size 1, Class I, Type B Circuit Breaker Combination Starter	692.79	183.66
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	103.76	
26 24 19 00-0634	EA		Size 2, Class I, Type B Circuit Breaker Combination Starter	803.52	183.66
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	116.85	
26 24 19 00-0635	EA		Size 3, Class I, Type B Circuit Breaker Combination Starter	1,165.17	265.62
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	159.63	
26 24 19 00-0636	EA		Size 4, Class I, Type B Circuit Breaker Combination Starter	1,876.54	360.04
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	216.17	
26 24 19 00-0637	EA		Size 5, Class I, Type B Circuit Breaker Combination Starter	3,288.56	459.65
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	278.92	
26 24 19 00-0638			Class I, Type C <small>(26 24 19 00-0625)</small>		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0639 EA Size 1, Class I, Type C Circuit Breaker Combination Starter.....	713.33	170.16
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	93.98	
26 24 19 00-0640 EA Size 2, Class I, Type C Circuit Breaker Combination Starter.....	833.88	170.16
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	110.38	
26 24 19 00-0641 EA Size 3, Class I, Type C Circuit Breaker Combination Starter.....	1,226.52	254.21
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	152.59	
26 24 19 00-0642 EA Size 4, Class I, Type C Circuit Breaker Combination Starter.....	1,943.80	351.74
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	210.89	
26 24 19 00-0643 EA Size 5, Class I, Type C Circuit Breaker Combination Starter.....	3,346.87	451.36
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	270.21	
26 24 19 00-0644 Class II, Type B <small>(26 24 19 00-0625)</small>		
26 24 19 00-0645 EA Size 1, Class II, Type B Circuit Breaker Combination Starter.....	769.35	252.13
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	142.53	
26 24 19 00-0646 EA Size 2, Class II, Type B Circuit Breaker Combination Starter.....	1,020.47	252.13
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	159.14	
26 24 19 00-0647 EA Size 3, Class II, Type B Circuit Breaker Combination Starter.....	1,418.57	336.18
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	201.08	
26 24 19 00-0648 EA Size 4, Class II, Type B Circuit Breaker Combination Starter.....	2,238.42	430.60
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	259.40	
26 24 19 00-0649 EA Size 5, Class II, Type B Circuit Breaker Combination Starter.....	3,866.56	526.06
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	316.34	
26 24 19 00-0650 Class II, Type C <small>(26 24 19 00-0625)</small>		
26 24 19 00-0651 EA Size 1, Class II, Type C Circuit Breaker Combination Starter.....	913.42	238.65
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	136.52	
26 24 19 00-0652 EA Size 2, Class II, Type C Circuit Breaker Combination Starter.....	1,040.10	238.65
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	149.08	
26 24 19 00-0653 EA Size 3, Class II, Type C Circuit Breaker Combination Starter.....	1,484.51	325.80
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	195.04	
26 24 19 00-0654 EA Size 4, Class II, Type C Circuit Breaker Combination Starter.....	2,298.06	420.22
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	251.84	
26 24 19 00-0655 EA Size 5, Class II, Type C Circuit Breaker Combination Starter.....	3,939.95	518.80
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	312.53	
26 24 19 00-0656 Fused Disconnect Combination Starter <small>(26 24 19 00-0484)</small>		
26 24 19 00-0657 Class I, Type A <small>(26 24 19 00-0656)</small>		
26 24 19 00-0658 EA Size 1, Class I, Type A Fused Disconnect Combination Starter.....	686.74	194.03
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	116.85	
26 24 19 00-0659 EA Size 2, Class I, Type A Fused Disconnect Combination Starter.....	1,015.40	265.62
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	159.14	
26 24 19 00-0660 EA Size 3, Class I, Type A Fused Disconnect Combination Starter.....	1,560.30	345.52
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	207.52	
26 24 19 00-0661 EA Size 4, Class I, Type A Fused Disconnect Combination Starter.....	2,143.39	484.56
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	291.46	
26 24 19 00-0662 EA Size 5, Class I, Type A Fused Disconnect Combination Starter.....	3,589.84	617.36
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	370.57	
26 24 19 00-0663 Class I, Type B <small>(26 24 19 00-0656)</small>		
26 24 19 00-0664 EA Size 1, Class I, Type B Fused Disconnect Combination Starter.....	681.40	173.28
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	103.76	
26 24 19 00-0665 EA Size 2, Class I, Type B Fused Disconnect Combination Starter.....	920.97	237.60
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	142.53	
26 24 19 00-0666 EA Size 3, Class I, Type B Fused Disconnect Combination Starter.....	1,338.90	317.51
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	190.73	
26 24 19 00-0667 EA Size 4, Class I, Type B Fused Disconnect Combination Starter.....	2,188.89	458.62
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	275.96	
26 24 19 00-0668 EA Size 5, Class I, Type B Fused Disconnect Combination Starter.....	3,620.78	583.12
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	350.54	
26 24 19 00-0669 Class I, Type C <small>(26 24 19 00-0656)</small>		
26 24 19 00-0670 EA Size 1, Class I, Type C Fused Disconnect Combination Starter.....	706.21	161.86
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	97.15	
26 24 19 00-0671 EA Size 2, Class I, Type C Fused Disconnect Combination Starter.....	952.16	219.97
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	133.02	
26 24 19 00-0672 EA Size 3, Class I, Type C Fused Disconnect Combination Starter.....	1,429.33	306.09
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	185.28	
26 24 19 00-0673 EA Size 4, Class I, Type C Fused Disconnect Combination Starter.....	2,278.34	451.36
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	270.21	
26 24 19 00-0674 EA Size 5, Class I, Type C Fused Disconnect Combination Starter.....	3,442.06	576.90
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	345.86	
26 24 19 00-0675 Class II, Type B <small>(26 24 19 00-0656)</small>		
26 24 19 00-0676 EA Size 1, Class II, Type B Fused Disconnect Combination Starter.....	877.01	242.79
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	145.73	

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 24 Switchboards And Panelboards**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0677 EA Size 2, Class II, Type B Fused Disconnect Combination Starter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,124.86 181.40	302.97
26 24 19 00-0678 EA Size 3, Class II, Type B Fused Disconnect Combination Starter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,596.42 233.69	390.14
26 24 19 00-0679 EA Size 4, Class II, Type B Fused Disconnect Combination Starter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,523.57 316.34	526.06
26 24 19 00-0680 EA Size 5, Class II, Type B Fused Disconnect Combination Starter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4,151.13 393.03	656.79
26 24 19 00-0681 Class II, Type C <small>(26 24 19 00-0656)</small>		
26 24 19 00-0682 EA Size 1, Class II, Type C Fused Disconnect Combination Starter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	893.16 136.52	228.27
26 24 19 00-0683 EA Size 2, Class II, Type C Fused Disconnect Combination Starter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,155.69 171.79	286.37
26 24 19 00-0684 EA Size 3, Class II, Type C Fused Disconnect Combination Starter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,665.73 223.62	372.50
26 24 19 00-0685 EA Size 4, Class II, Type C Fused Disconnect Combination Starter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,601.37 308.81	513.61
26 24 19 00-0686 EA Size 5, Class II, Type C Fused Disconnect Combination Starter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4,221.21 381.47	636.05
26 24 19 00-0687 Space Complete With Bus And Hardware <small>(26 24 19 00-0484)</small>		
26 24 19 00-0688 Circuit Breaker Type <small>(26 24 19 00-0687)</small>		
26 24 19 00-0689 EA Circuit Breaker Type, Size 1 Space Complete With Bus And Hardware.....	219.09	70.56
26 24 19 00-0690 EA Circuit Breaker Type, Size 2 Space Complete With Bus And Hardware.....	219.09	70.56
26 24 19 00-0691 EA Circuit Breaker Type, Size 3 Space Complete With Bus And Hardware.....	324.41	102.72
26 24 19 00-0692 EA Circuit Breaker Type, Size 4 Space Complete With Bus And Hardware.....	393.91	134.89
26 24 19 00-0693 EA Circuit Breaker Type, Size 5 Space Complete With Bus And Hardware.....	646.56	205.45
26 24 19 00-0694 Fused Disconnect Type <small>(26 24 19 00-0687)</small>		
26 24 19 00-0695 EA Fused Disconnect Type, Size 1 Space Complete With Bus And Hardware.....	219.09	70.56
26 24 19 00-0696 EA Fused Disconnect Type, Size 2 Space Complete With Bus And Hardware.....	296.86	102.72
26 24 19 00-0697 EA Fused Disconnect Type, Size 3 Space Complete With Bus And Hardware.....	407.39	134.89
26 24 19 00-0698 EA Fused Disconnect Type, Size 4 Space Complete With Bus And Hardware.....	684.18	205.45
26 24 19 00-0699 EA Fused Disconnect Type, Size 5 Space Complete With Bus And Hardware.....	962.16	298.82
26 24 19 00-0700 Blank Space For Future Expansion <small>(26 24 19 00-0687)</small>		
Note: Factory modified no labor costs.		
26 24 19 00-0701 EA Blank Space For Future Expansion, Size 1 Factory Modified, No Crew Costs.....	78.50	
26 24 19 00-0702 EA Blank Space For Future Expansion, Size 2 Factory Modified, No Crew Costs.....	78.50	
26 24 19 00-0703 EA Blank Space For Future Expansion, Size 3 Factory Modified, No Crew Costs.....	119.02	
26 24 19 00-0704 EA Blank Space For Future Expansion, Size 4 Factory Modified, No Crew Costs.....	119.02	
26 24 19 00-0705 EA Blank Space For Future Expansion, Size 5 Factory Modified, No Crew Costs.....	236.77	
26 24 19 00-0706 Structure Combination Of Starters To 72" High <small>(26 24 19 00-0687)</small>		
26 24 19 00-0707 EA Structure Combination Of Starters To 72" High.....	2,368.33	546.09
26 24 19 00-0708 Motor Control Center Basic Distribution Section <small>(26 24 19 00-0484)</small>		
26 24 19 00-0709 EA 20" Wide Basic Section With Vertical Wireway.....	4,308.24	1,422.12
<i>For 20" Cabinet Depth, Add</i>	108.00	
<i>For 800 Amp Tin Plated Copper Bus, Add</i>	182.00	
<i>For 1,200 Amp Tin Plated Copper Bus, Add</i>	334.00	
<i>For 1,600 Amp Tin Plated Copper Bus, Add</i>	402.00	
<i>For 2,000 Amp Tin Plated Copper Bus, Add</i>	506.00	
<i>For NEMA 1 With Gasket, Add</i>	97.00	
<i>For NEMA 12, Add</i>	245.00	
<i>For 600 Amp Tin Plated Copper Vertical, Add</i>	210.00	
26 24 19 00-0710 EA 25"-35" Wide Basic Section (No Vertical Wireway).....	4,308.24	1,422.12
<i>For 20" Cabinet Depth, Add</i>	108.00	
<i>For 800 Amp Tin Plated Copper Bus, Add</i>	182.00	
<i>For 1,200 Amp Tin Plated Copper Bus, Add</i>	334.00	
<i>For 1,600 Amp Tin Plated Copper Bus, Add</i>	402.00	
<i>For 2,000 Amp Tin Plated Copper Bus, Add</i>	506.00	
<i>For NEMA 1 With Gasket, Add</i>	97.00	
<i>For NEMA 12, Add</i>	245.00	
<i>For 600 Amp Tin Plated Copper Vertical, Add</i>	210.00	
26 24 19 00-0711 EA 25" Wide Basic Section With 9" Wide Vertical Wireway.....	4,653.21	1,422.12
<i>For 20" Cabinet Depth, Add</i>	108.00	
<i>For 800 Amp Tin Plated Copper Bus, Add</i>	182.00	
<i>For 1,200 Amp Tin Plated Copper Bus, Add</i>	334.00	
<i>For 1,600 Amp Tin Plated Copper Bus, Add</i>	402.00	
<i>For 2,000 Amp Tin Plated Copper Bus, Add</i>	506.00	
<i>For NEMA 1 With Gasket, Add</i>	97.00	
<i>For NEMA 12, Add</i>	245.00	
<i>For 600 Amp Tin Plated Copper Vertical, Add</i>	210.00	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0712 EA Corner Section..... <i>For 20" Cabinet Depth, Add</i> <i>For 800 Amp Tin Plated Copper Bus, Add</i> <i>For 1,200 Amp Tin Plated Copper Bus, Add</i> <i>For 1,600 Amp Tin Plated Copper Bus, Add</i> <i>For 2,000 Amp Tin Plated Copper Bus, Add</i> <i>For NEMA 1 With Gasket, Add</i> <i>For NEMA 12, Add</i> <i>For 600 Amp Tin Plated Copper Vertical, Add</i>	4,653.21 108.00 182.00 334.00 402.00 506.00 97.00 245.00 210.00	1,422.12
26 24 19 00-0713 Motor Control Center Starters With HMCP Circuit Breaker <small>(26 24 19 00-0484)</small> Note: Includes door, unit support pan, heater elements, and NEMA 1 with gasket, or NEMA 12 enclosure. Line voltages of 208 V, 240 V, 480 V, and 600 V.		
26 24 19 00-0714 FVNR Starters With HMCP Circuit Breaker <small>(26 24 19 00-0713)</small>		
26 24 19 00-0715 EA Class 1, Type A, Size 1 FVNR Starters With HMCP Circuit Breaker <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	999.68 119.83	199.74
26 24 19 00-0716 EA Class 1, Type A, Size 2 FVNR Starters With HMCP Circuit Breaker <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,112.15 132.91	221.53
26 24 19 00-0717 EA Class 1, Type A, Size 3 FVNR Starters With HMCP Circuit Breaker <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,867.92 178.69	297.79
26 24 19 00-0718 EA Class 1, Type A, Size 4 FVNR Starters With HMCP Circuit Breaker <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,681.91 235.60	392.62
26 24 19 00-0719 EA Class 1, Type A, Size 5 FVNR Starters With HMCP Circuit Breaker <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5,831.47 294.44	490.68
26 24 19 00-0720 EA Class 1, Type A, Size 6 FVNR Starters With HMCP Circuit Breaker <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13,180.41 294.44	490.68
26 24 19 00-0721 EA Class 1, Type B, Size 1 FVNR Starters With HMCP Circuit Breaker <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	989.12 103.65	172.76
26 24 19 00-0722 EA Class 1, Type B, Size 2 FVNR Starters With HMCP Circuit Breaker <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,115.35 116.72	194.55
26 24 19 00-0723 EA Class 1, Type B, Size 3 FVNR Starters With HMCP Circuit Breaker <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,882.66 159.37	265.62
26 24 19 00-0724 EA Class 1, Type B, Size 4 FVNR Starters With HMCP Circuit Breaker <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,660.68 216.05	360.04
26 24 19 00-0725 EA Class 1, Type B, Size 5 FVNR Starters With HMCP Circuit Breaker <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5,823.72 278.92	464.84
26 24 19 00-0726 EA Class 1, Type B, Size 6 FVNR Starters With HMCP Circuit Breaker <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13,251.74 278.92	464.84
26 24 19 00-0727 Two Speed 2-Winding (TS2W) With HMCP Circuit Breaker <small>(26 24 19 00-0713)</small>		
26 24 19 00-0728 EA Class 1, Type A, Size 1 Two Speed 2-Winding (TS2W) With HMCP Circuit Breaker <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,552.28 149.94	249.96
26 24 19 00-0729 EA Class 1, Type A, Size 2 Two Speed 2-Winding (TS2W) With HMCP Circuit Breaker <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,883.42 165.93	276.51
26 24 19 00-0730 EA Class 1, Type A, Size 3 Two Speed 2-Winding (TS2W) With HMCP Circuit Breaker <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3,045.17 222.98	371.66
26 24 19 00-0731 EA Class 1, Type A, Size 4 Two Speed 2-Winding (TS2W) With HMCP Circuit Breaker <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5,135.33 294.77	491.30
26 24 19 00-0732 EA Class 1, Type A, Size 5 Two Speed 2-Winding (TS2W) With HMCP Circuit Breaker <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9,083.84 368.81	614.67
26 24 19 00-0733 EA Class 1, Type B, Size 1 Two Speed 2-Winding (TS2W) With HMCP Circuit Breaker <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,550.03 129.48	215.82
26 24 19 00-0734 EA Class 1, Type B, Size 2 Two Speed 2-Winding (TS2W) With HMCP Circuit Breaker <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,896.13 146.00	243.32
26 24 19 00-0735 EA Class 1, Type B, Size 3 Two Speed 2-Winding (TS2W) With HMCP Circuit Breaker <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3,068.15 199.54	332.54
26 24 19 00-0736 EA Class 1, Type B, Size 4 Two Speed 2-Winding (TS2W) With HMCP Circuit Breaker <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5,119.40 270.21	450.31
26 24 19 00-0737 EA Class 1, Type B, Size 5 Two Speed 2-Winding (TS2W) With HMCP Circuit Breaker <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9,083.62 348.97	581.57
26 24 19 00-0738 Two Speed 1-Winding (TS1W) With HMCP Circuit Breaker <small>(26 24 19 00-0713)</small>		
26 24 19 00-0739 EA Class 1, Type A, Size 1 Two Speed 1-Winding (TS1W) With HMCP Circuit Breaker <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,684.17 149.94	249.96
26 24 19 00-0740 EA Class 1, Type A, Size 2 Two Speed 1-Winding (TS1W) With HMCP Circuit Breaker <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,341.51 165.93	276.51
26 24 19 00-0741 EA Class 1, Type A, Size 3 Two Speed 1-Winding (TS1W) With HMCP Circuit Breaker <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4,313.95 222.98	371.66
26 24 19 00-0742 EA Class 1, Type A, Size 4 Two Speed 1-Winding (TS1W) With HMCP Circuit Breaker <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5,864.24 294.77	491.30
26 24 19 00-0743 EA Class 1, Type A, Size 5 Two Speed 1-Winding (TS1W) With HMCP Circuit Breaker <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11,497.42 368.81	614.67
26 24 19 00-0744 EA Class 1, Type B, Size 1 Two Speed 1-Winding (TS1W) With HMCP Circuit Breaker <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,681.92 129.48	215.82
26 24 19 00-0745 EA Class 1, Type B, Size 2 Two Speed 1-Winding (TS1W) With HMCP Circuit Breaker <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,354.23 146.00	243.32
26 24 19 00-0746 EA Class 1, Type B, Size 3 Two Speed 1-Winding (TS1W) With HMCP Circuit Breaker <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4,336.92 199.54	332.54
26 24 19 00-0747 EA Class 1, Type B, Size 4 Two Speed 1-Winding (TS1W) With HMCP Circuit Breaker <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5,848.30 270.21	450.31

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 24 Switchboards And Panelboards**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0748 EA Class 1, Type B, Size 5 Two Speed 1-Winding (TS1W) With HMCP Circuit Breaker..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11,497.20 348.97	581.57
26 24 19 00-0749 Motor Control Center Starters With Fusible Disconnect (26 24 19 00-0484) Note: Includes fuses, door, unit support pan, heater elements, and NEMA 1 with gasket, or NEMA 12 enclosure. Line voltages of 208 V, 240 V, 480 V, and 600 V.		
26 24 19 00-0750 FVNR Starters With Fusible Disconnect (26 24 19 00-0749)		
26 24 19 00-0751 EA Class 1, Type A, Size 1 FVNR Starters With Fusible Disconnect.....	830.00	194.76
26 24 19 00-0752 EA Class 1, Type A, Size 2 FVNR Starters With Fusible Disconnect.....	1,089.48	264.69
26 24 19 00-0753 EA Class 1, Type A, Size 3 FVNR Starters With Fusible Disconnect.....	1,749.39	344.90
26 24 19 00-0754 EA Class 1, Type A, Size 4 FVNR Starters With Fusible Disconnect.....	2,883.05	485.80
26 24 19 00-0755 EA Class 1, Type A, Size 5 FVNR Starters With Fusible Disconnect.....	5,542.74	617.57
26 24 19 00-0756 EA Class 1, Type A, Size 6 FVNR Starters With Fusible Disconnect.....	13,389.29	617.57
26 24 19 00-0757 EA Class 1, Type B, Size 1 FVNR Starters With Fusible Disconnect.....	828.71	172.66
26 24 19 00-0758 EA Class 1, Type B, Size 2 FVNR Starters With Fusible Disconnect.....	1,091.46	237.09
26 24 19 00-0759 EA Class 1, Type B, Size 3 FVNR Starters With Fusible Disconnect.....	1,774.43	317.92
26 24 19 00-0760 EA Class 1, Type B, Size 4 FVNR Starters With Fusible Disconnect.....	2,875.33	459.96
26 24 19 00-0761 EA Class 1, Type B, Size 5 FVNR Starters With Fusible Disconnect.....	5,519.93	584.26
26 24 19 00-0762 EA Class 1, Type B, Size 6 FVNR Starters With Fusible Disconnect.....	13,445.61	584.26
26 24 19 00-0763 Two Speed 2-Winding (TS2W) With Fusible Disconnect (26 24 19 00-0749)		
26 24 19 00-0764 EA Class 1, Type A, Size 1 Two Speed 2-Winding (TS2W) With Fusible Disconnect.....	1,365.97	243.84
26 24 19 00-0765 EA Class 1, Type A, Size 2 Two Speed 2-Winding (TS2W) With Fusible Disconnect.....	1,897.09	330.89
26 24 19 00-0766 EA Class 1, Type A, Size 3 Two Speed 2-Winding (TS2W) With Fusible Disconnect.....	2,880.58	430.91
26 24 19 00-0767 EA Class 1, Type A, Size 4 Two Speed 2-Winding (TS2W) With Fusible Disconnect.....	5,833.08	608.96
26 24 19 00-0768 EA Class 1, Type A, Size 5 Two Speed 2-Winding (TS2W) With Fusible Disconnect.....	9,296.43	712.61
26 24 19 00-0769 EA Class 1, Type B, Size 1 Two Speed 2-Winding (TS2W) With Fusible Disconnect.....	1,375.35	215.82
26 24 19 00-0770 EA Class 1, Type B, Size 2 Two Speed 2-Winding (TS2W) With Fusible Disconnect.....	1,906.73	296.13
26 24 19 00-0771 EA Class 1, Type B, Size 3 Two Speed 2-Winding (TS2W) With Fusible Disconnect.....	2,915.60	397.81
26 24 19 00-0772 EA Class 1, Type B, Size 4 Two Speed 2-Winding (TS2W) With Fusible Disconnect.....	5,828.98	573.90
26 24 19 00-0773 EA Class 1, Type B, Size 5 Two Speed 2-Winding (TS2W) With Fusible Disconnect.....	9,281.14	672.05
26 24 19 00-0774 Two Speed 1-Winding (TS1W) With Fusible Disconnect (26 24 19 00-0749)		
26 24 19 00-0775 EA Class 1, Type A, Size 1 Two Speed 1-Winding (TS1W) With Fusible Disconnect.....	1,564.69	243.84
26 24 19 00-0776 EA Class 1, Type A, Size 2 Two Speed 1-Winding (TS1W) With Fusible Disconnect.....	2,362.23	330.89
26 24 19 00-0777 EA Class 1, Type A, Size 3 Two Speed 1-Winding (TS1W) With Fusible Disconnect.....	4,162.54	430.91
26 24 19 00-0778 EA Class 1, Type A, Size 4 Two Speed 1-Winding (TS1W) With Fusible Disconnect.....	6,100.38	608.96
26 24 19 00-0779 EA Class 1, Type A, Size 5 Two Speed 1-Winding (TS1W) With Fusible Disconnect.....	11,219.37	712.61
26 24 19 00-0780 EA Class 1, Type B, Size 1 Two Speed 1-Winding (TS1W) With Fusible Disconnect.....	1,574.65	215.82
26 24 19 00-0781 EA Class 1, Type B, Size 2 Two Speed 1-Winding (TS1W) With Fusible Disconnect.....	2,371.86	296.13
26 24 19 00-0782 EA Class 1, Type B, Size 3 Two Speed 1-Winding (TS1W) With Fusible Disconnect.....	4,197.57	397.81
26 24 19 00-0783 EA Class 1, Type B, Size 4 Two Speed 1-Winding (TS1W) With Fusible Disconnect.....	6,096.27	573.90
26 24 19 00-0784 EA Class 1, Type B, Size 5 Two Speed 1-Winding (TS1W) With Fusible Disconnect.....	11,204.09	672.05
26 24 19 00-0785 Tin Plated Copper Bus Bar And Ground Bus Bar Splice Kit (26 24 19 00-0484) Note: Per section. Labor is included in basic distribution section.		
26 24 19 00-0786 EA 600 Amp Horizontal Tin Plated Copper Bus Kit.....	159.62	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.79	
26 24 19 00-0787 EA 800 Amp Horizontal Tin Plated Copper Bus Kit.....	193.62	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.79	
26 24 19 00-0788 EA 1,200 Amp Horizontal Tin Plated Copper Bus Kit.....	232.81	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.35	
26 24 19 00-0789 EA 1,600 Amp Horizontal Tin Plated Copper Bus Kit.....	299.64	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.35	
26 24 19 00-0790 EA 2,000 Amp Horizontal Tin Plated Copper Bus Kit.....	497.09	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.91	
26 24 19 00-0791 EA 1/4" x 2" Horizontal Tin Plated Copper Ground Bus Kit.....	93.46	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.23	
26 24 19 00-0792 Disconnect Switch For Motor Control Centers (26 24 19 00-0484)		
26 24 19 00-0793 3 Pole Circuit Breaker Disconnect For Motor Control Center (26 24 19 00-0792) Note: Includes door, unit support pan, inverse time (Thermal Magnetic) circuit breaker, and NEMA 1, NEMA 1 with gasket, or NEMA 12 enclosure. Class 1 type A (no starters).		
26 24 19 00-0794 EA 150 Amp Rating, 15 To 100 Amp Trip Range, 3 Pole Circuit Breaker Disconnect.....	730.53	149.93
26 24 19 00-0795 EA 150 Amp Rating, 125 To 150 Amp Trip Range, 3 Pole Circuit Breaker Disconnect.....	1,240.19	166.02
26 24 19 00-0796 EA 225 Amp Rating, 70 To 225 Amp Trip Range, 3 Pole Circuit Breaker Disconnect.....	1,521.37	223.60
26 24 19 00-0797 EA 400 Amp Rating, 125 To 400 Amp Trip Range, 3 Pole Circuit Breaker Disconnect.....	2,494.13	294.68
26 24 19 00-0798 EA 600 Amp Rating, 300 To 600 Amp Trip Range, 3 Pole Circuit Breaker Disconnect.....	4,253.29	368.35
26 24 19 00-0799 EA 800 Amp Rating, 400 To 800 Amp Trip Range, 3 Pole Circuit Breaker Disconnect.....	4,831.37	368.35
26 24 19 00-0800 EA 1,200 Amp Rating, 600 To 1,200 Amp Trip Range, 3 Pole Circuit Breaker Disconnect.....	9,835.34	461.20
26 24 19 00-0801 Fusible Disconnect Switch For Motor Control Center (26 24 19 00-0792) Note: Includes door, unit support pan, fuses and NEMA 1, NEMA 1 with gasket, or NEMA 12 enclosure. Class 1 type A (no starters).		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0802 EA 30 Amp Switch Rating, Fusible Disconnect Switch With 30 Amp Fuse Clips.....	581.72	145.78
26 24 19 00-0803 EA 60 Amp Switch Rating, Fusible Disconnect Switch With 60 Amp Fuse Clips.....	705.16	198.70
26 24 19 00-0804 EA 100 Amp Switch Rating, Fusible Disconnect Switch With 100 Amp Fuse Clips.....	953.33	254.21
26 24 19 00-0805 EA 200 Amp Switch Rating, Fusible Disconnect Switch With 200 Amp Fuse Clips.....	1,698.27	364.19
26 24 19 00-0806 EA 400 Amp Switch Rating, Fusible Disconnect Switch With 400 Amp Fuse Clips.....	2,884.54	463.18
26 24 19 00-0807 EA 600 Amp Switch Rating, Fusible Disconnect Switch With 600 Amp Fuse Clips.....	6,190.57	463.18
26 24 19 00-0808 EA 800 Amp Switch Rating, Fusible Disconnect Switch With 800 Amp Fuse Clips.....	7,657.54	578.98
26 24 19 00-0809 EA 1,200 Amp Switch Rating, Fusible Disconnect Switch With 1,200 Amp Fuse Clips.....	11,118.33	578.98
26 24 19 00-0810 Control Circuit Transformer (26 24 19 00-0484)		
26 24 19 00-0811 EA Control Circuit Transformer, Size 1 Factory Installed.....	41.88	
26 24 19 00-0812 EA Control Circuit Transformer, Size 2 Factory Installed.....	41.88	
26 24 19 00-0813 EA Control Circuit Transformer, Size 3 Factory Installed.....	80.66	
26 24 19 00-0814 EA Control Circuit Transformer, Size 4 Factory Installed.....	80.66	
26 24 19 00-0815 EA Control Circuit Transformer, Size 5 Factory Installed.....	112.05	
26 24 19 00-0816 EA Control Circuit Fuse And Holder Small Dim, Dual Element Time Delay.....	40.33	11.74
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.79	
26 24 19 00-0817 Cover Mounted Control Devices (26 24 19 00-0484)		
26 24 19 00-0818 EA Control Device, 2 Unit Push Button Station Cover Mounted.....	85.12	20.75
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.97	
26 24 19 00-0819 EA Control Device, 2-3 Unit Selector Switch Cover Mounted.....	97.47	20.75
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	16.21	
26 24 19 00-0820 EA Control Device, Pilot Light Cover Mounted.....	77.37	20.75
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.72	
26 24 19 00-0821 EA Control Device, Hand-Off-Auto Switch Cover Mounted With Pilot Light.....	228.60	70.56
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	42.52	
26 24 19 00-0822 EA Auxiliary Contact Add Per Starter.....	234.05	26.88
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	16.13	
26 24 19 00-0823 Extra Interlocks (26 24 19 00-0484)		
Note: Per contact.		
26 24 19 00-0824 EA Extra Interlocks, Class I, Type A Per Contact.....	56.91	13.48
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.72	
26 24 19 00-0825 EA Extra Interlocks, Class I, Type B Per Contact.....	74.41	13.48
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.72	
26 24 19 00-0826 EA Extra Interlocks, Class I, Type C Per Contact.....	79.54	13.48
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.11	
26 24 19 00-0827 EA Extra Interlocks, Class II, Type B Per Contact.....	70.64	13.48
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.49	
26 24 19 00-0828 EA Extra Interlocks, Class II, Type C Per Contact.....	72.35	13.48
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.90	
26 24 19 00-0829 Special Cabinet Provisions (26 24 19 00-0484)		
26 24 19 00-0830 EA Provisions For Bus Duct Entrance Special Cabinet Provisions.....	524.27	
26 24 19 00-0831 Nameplate Requirements (26 24 19 00-0484)		
26 24 19 00-0832 EA Special Cabinet Nameplate Requirements.....	18.61	
26 24 19 00-0833 Auxiliary Relays (26 24 19 00-0484)		
26 24 19 00-0834 EA Industrial Control Relay, 10 Amp Class A600 With 2 Contacts.....	120.89	25.97
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	15.59	
26 24 19 00-0835 EA Timing Relay, Solid State, DPDT 0.1-10 Sec Variable, Off-Delay.....	115.29	23.37
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	15.59	
26 24 19 00-0836 EA General Purpose Control Relay, 240 Volt AC, 10 Amp, With Base.....	73.49	23.37
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	15.59	
26 24 19 00-0837 Motor Control Center Accessories (26 24 19 00-0484)		
26 24 19 00-0838 Lighting Transformer With Circuit Breaker (26 24 19 00-0837)		
Note: For 240 V, 480 V, or 600 V primary. Includes door, unit support pan, and NEMA 1, NEMA 1 with gasket, or NEMA 12 enclosure for MCC only.		
26 24 19 00-0839 EA 1 Phase, 5 KVA, 120/240 Volt Secondary Lighting Transformer With Circuit Breaker.....	3,271.48	331.85
26 24 19 00-0840 EA 1 Phase, 7.5 KVA, 120/240 Volt Secondary Lighting Transformer With Circuit Breaker.....	3,401.43	345.11
26 24 19 00-0841 EA 1 Phase, 10 KVA, 120/240 Volt Secondary Lighting Transformer With Circuit Breaker.....	3,717.34	371.66
26 24 19 00-0842 EA 1 Phase, 15 KVA, 120/240 Volt Secondary Lighting Transformer With Circuit Breaker.....	4,623.90	398.21
26 24 19 00-0843 EA 1 Phase, 25 KVA, 120/240 Volt Secondary Lighting Transformer With Circuit Breaker.....	6,138.34	424.76
26 24 19 00-0844 EA 1 Phase, 37.5 KVA, 120/240 Volt Secondary Lighting Transformer With Circuit Breaker.....	7,509.11	477.85
26 24 19 00-0845 EA 1 Phase, 50 KVA, 120/240 Volt Secondary Lighting Transformer With Circuit Breaker.....	9,797.61	530.95
26 24 19 00-0846 EA 3 Phase, 10 KVA, 120/208 Volt Secondary Lighting Transformer With Circuit Breaker.....	5,813.73	438.04
26 24 19 00-0847 EA 3 Phase, 15 KVA, 120/208 Volt Secondary Lighting Transformer With Circuit Breaker.....	6,317.72	477.85
26 24 19 00-0848 EA 3 Phase, 25 KVA, 120/208 Volt Secondary Lighting Transformer With Circuit Breaker.....	7,214.60	530.95
26 24 19 00-0849 EA 3 Phase, 30 KVA, 120/208 Volt Secondary Lighting Transformer With Circuit Breaker.....	7,668.71	584.05
26 24 19 00-0850 EA 3 Phase, 37.5 KVA, 120/208 Volt Secondary Lighting Transformer With Circuit Breaker.....	9,204.27	637.14

26 Electrical
26 20 Low-Voltage Electrical Distribution
26 24 Switchboards And Panelboards



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0851	EA		3 Phase, 45 KVA, 120/208 Volt Secondary Lighting Transformer With Circuit Breaker.....	9,520.52	690.24
26 24 19 00-0852			Bolt-On Lighting Panel <small>(26 24 19 00-0837)</small> Note: Includes door, T-handle, unit support pan, neutral bar (10 KA IC RMS), and NEMA 1, NEMA 1 with gasket, or NEMA 12 enclosure. For MCC only.		
26 24 19 00-0853	EA		18 Circuit Bolt-On Lighting Panel, MLO, 1 Phase, 3 Wire, 120/240 Volt.....	1,648.66	539.97
26 24 19 00-0854	EA		30 Circuit Bolt-On Lighting Panel, MLO, 1 Phase, 3 Wire, 120/240 Volt.....	2,635.85	939.85
26 24 19 00-0855	EA		42 Circuit Bolt-On Lighting Panel, MLO, 1 Phase, 3 Wire, 120/240 Volt.....	3,517.94	1,271.56
26 24 19 00-0856	EA		18 Circuit Bolt-On Lighting Panel, MLO, 3 Phase, 4 Wire, 120/208 Volt.....	1,737.20	584.26
26 24 19 00-0857	EA		30 Circuit Bolt-On Lighting Panel, MLO, 3 Phase, 4 Wire, 120/208 Volt.....	2,595.86	919.82
26 24 19 00-0858	EA		42 Circuit Bolt-On Lighting Panel, MLO, 3 Phase, 4 Wire, 120/208 Volt.....	3,676.88	1,351.05
26 24 19 00-0859	EA		18 Circuit Bolt-On Lighting Panel, MCB, 1 Phase, 3 Wire, 120/240 Volt.....	2,592.50	626.29
26 24 19 00-0860	EA		30 Circuit Bolt-On Lighting Panel, MCB, 1 Phase, 3 Wire, 120/240 Volt.....	3,566.24	1,005.43
26 24 19 00-0861	EA		42 Circuit Bolt-On Lighting Panel, MCB, 1 Phase, 3 Wire, 120/240 Volt.....	4,519.22	1,351.05
26 24 19 00-0862	EA		18 Circuit Bolt-On Lighting Panel, MCB, 3 Phase, 4 Wire, 120/208 Volt.....	2,691.01	675.47
26 24 19 00-0863	EA		30 Circuit Bolt-On Lighting Panel, MCB, 3 Phase, 4 Wire, 120/208 Volt.....	3,566.24	1,005.43
26 24 19 00-0864	EA		42 Circuit Bolt-On Lighting Panel, MCB, 3 Phase, 4 Wire, 120/208 Volt.....	4,606.39	1,394.62
26 24 19 00-0865			Factory Installed Bolt-On Branch Circuit Breaker <small>(26 24 19 00-0837)</small> Note: For MCC lighting panel only.		
26 24 19 00-0866	EA		15 A / 1 Pole - 30 A / 1 Pole Bolt-On Branch Circuit Breaker.....	17.27	
26 24 19 00-0867	EA		15 A / 1 Pole - 30 A / 1 Pole (GFI) Bolt-On Branch Circuit Breaker.....	161.57	
26 24 19 00-0868	EA		15 A / 2 Pole - 50 A / 2 Pole Bolt-On Branch Circuit Breaker.....	33.76	
26 24 19 00-0869	EA		60 A / 2 Pole - 100 A / 2 Pole Bolt-On Branch Circuit Breaker.....	77.73	
26 24 19 00-0870	EA		15 A / 3 Pole - 50 A / 3 Pole Bolt-On Branch Circuit Breaker.....	91.08	
26 24 19 00-0871	EA		60 A / 3 Pole - 100 A / 3 Pole Bolt-On Branch Circuit Breaker.....	138.18	
26 24 19 00-0872			Blank Unit Door (BUD) <small>(26 24 19 00-0837)</small> Note: With NEMA 1, NEMA 1 with gasket, or NEMA 12 enclosure. Factory installed.		
26 24 19 00-0873	EA		6" High Blank Unit Door (BUD) With NEMA 1, NEMA 1 With Gasket, Or NEMA 12 Enclosure.....	43.09	
26 24 19 00-0874	EA		12" High Blank Unit Door (BUD) With NEMA 1, NEMA 1 With Gasket, Or NEMA 12 Enclosure.....	51.70	
26 24 19 00-0875	EA		18" High Blank Unit Door (BUD) With NEMA 1, NEMA 1 With Gasket, Or NEMA 12 Enclosure.....	77.55	
26 24 19 00-0876	EA		24" High Blank Unit Door (BUD) With NEMA 1, NEMA 1 With Gasket, Or NEMA 12 Enclosure.....	103.41	
26 24 19 00-0877	EA		30" High Blank Unit Door (BUD) With NEMA 1, NEMA 1 With Gasket, Or NEMA 12 Enclosure.....	155.11	
26 24 19 00-0878	EA		48" High Blank Unit Door (BUD) With NEMA 1, NEMA 1 With Gasket, Or NEMA 12 Enclosure.....	180.96	
26 24 19 00-0879	EA		72" High Blank Unit Door (BUD) With NEMA 1, NEMA 1 With Gasket, Or NEMA 12 Enclosure.....	206.81	
26 25 Enclosed Bus Assemblies <small>(26 20)</small>					
26 25 00 00-0001			Bus Ducts <small>(26 25)</small>		
26 25 00 00-0002			Plug-In Bus Duct <small>(26 25 00 00-0001)</small> Note: Based on an average of 100' horizontal run with a 15' maximum mounting height. Each 100' of bus duct includes 2 elbows, 1 end cap, and switchboard stub. Excludes hangers with anchors and hardware support.		
26 25 00 00-0003			600 Volt, 3-Phase, 3-Wire, Copper Conductors <small>(26 25 00 00-0002)</small>		
26 25 00 00-0004	LF		225 Amp Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors.....	246.88	31.13
			For Up To 25, Add	61.72	
			For >25 To 50, Add	37.03	
			For >50 To 100, Add	18.52	
26 25 00 00-0005	LF		400 Amp Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors.....	348.31	31.13
			For Up To 25, Add	87.08	
			For >25 To 50, Add	52.25	
			For >50 To 100, Add	26.12	
26 25 00 00-0006	LF		600 Amp Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors.....	440.78	41.50
			For Up To 25, Add	110.20	
			For >25 To 50, Add	66.12	
			For >50 To 100, Add	33.06	
26 25 00 00-0007	LF		800 Amp Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors.....	606.92	41.50
			For Up To 25, Add	151.73	
			For >25 To 50, Add	91.04	
			For >50 To 100, Add	45.52	
26 25 00 00-0008	LF		1,000 Amp Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors.....	640.38	51.88
			For Up To 25, Add	160.10	
			For >25 To 50, Add	96.06	
			For >50 To 100, Add	48.03	
26 25 00 00-0009	LF		1,350 Amp Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors.....	890.04	51.88
			For Up To 25, Add	222.51	
			For >25 To 50, Add	133.51	
			For >50 To 100, Add	66.75	
26 25 00 00-0010	LF		1,600 Amp Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors.....	1,040.57	54.48
			For Up To 25, Add	260.14	
			For >25 To 50, Add	156.09	
			For >50 To 100, Add	78.04	
26 25 00 00-0011	LF		2,000 Amp Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors.....	1,265.36	56.03
			For Up To 25, Add	316.34	
			For >25 To 50, Add	189.80	
			For >50 To 100, Add	94.90	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 25 00 00-0012 LF 2,500 Amp Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors	1,560.05	59.15
<i>For Up To 25, Add</i>	390.01	
<i>For >25 To 50, Add</i>	234.01	
<i>For >50 To 100, Add</i>	117.00	
26 25 00 00-0013 LF 3,000 Amp Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors	1,801.44	69.00
<i>For Up To 25, Add</i>	450.36	
<i>For >25 To 50, Add</i>	270.22	
<i>For >50 To 100, Add</i>	135.11	
26 25 00 00-0014 LF 4,000 Amp Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors	2,084.00	75.22
<i>For Up To 25, Add</i>	521.00	
<i>For >25 To 50, Add</i>	312.60	
<i>For >50 To 100, Add</i>	156.30	
26 25 00 00-0015 277/480 Volt, 3-Phase, 4-Wire, 100% Neutral, Copper Conductors <small>(26 25 00 00-0002)</small>		
26 25 00 00-0016 LF 225 Amp Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors	400.92	31.13
<i>For Up To 25, Add</i>	100.23	
<i>For >25 To 50, Add</i>	60.14	
<i>For >50 To 100, Add</i>	30.07	
26 25 00 00-0017 LF 400 Amp Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors	577.50	31.13
<i>For Up To 25, Add</i>	144.38	
<i>For >25 To 50, Add</i>	86.63	
<i>For >50 To 100, Add</i>	43.31	
26 25 00 00-0018 LF 600 Amp Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors	652.97	41.50
<i>For Up To 25, Add</i>	163.24	
<i>For >25 To 50, Add</i>	97.95	
<i>For >50 To 100, Add</i>	48.97	
26 25 00 00-0019 LF 800 Amp Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors	829.27	41.50
<i>For Up To 25, Add</i>	207.32	
<i>For >25 To 50, Add</i>	124.39	
<i>For >50 To 100, Add</i>	62.20	
26 25 00 00-0020 LF 1,000 Amp Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors	1,010.89	51.88
<i>For Up To 25, Add</i>	252.72	
<i>For >25 To 50, Add</i>	151.63	
<i>For >50 To 100, Add</i>	75.82	
26 25 00 00-0021 LF 1,350 Amp Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors	1,308.17	51.88
<i>For Up To 25, Add</i>	327.04	
<i>For >25 To 50, Add</i>	196.23	
<i>For >50 To 100, Add</i>	98.11	
26 25 00 00-0022 LF 1,600 Amp Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors	1,690.13	53.75
<i>For Up To 25, Add</i>	422.53	
<i>For >25 To 50, Add</i>	253.52	
<i>For >50 To 100, Add</i>	126.76	
26 25 00 00-0023 LF 2,000 Amp Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors	2,034.19	56.03
<i>For Up To 25, Add</i>	508.55	
<i>For >25 To 50, Add</i>	305.13	
<i>For >50 To 100, Add</i>	152.56	
26 25 00 00-0024 LF 2,500 Amp Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors	2,521.17	58.62
<i>For Up To 25, Add</i>	630.29	
<i>For >25 To 50, Add</i>	378.18	
<i>For >50 To 100, Add</i>	189.09	
26 25 00 00-0025 LF 3,000 Amp Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors	2,910.46	69.00
<i>For Up To 25, Add</i>	727.62	
<i>For >25 To 50, Add</i>	436.57	
<i>For >50 To 100, Add</i>	218.28	
26 25 00 00-0026 LF 4,000 Amp Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors	3,373.03	75.22
<i>For Up To 25, Add</i>	843.26	
<i>For >25 To 50, Add</i>	505.95	
<i>For >50 To 100, Add</i>	252.98	
26 25 00 00-0027 Cable Tap Boxes <small>(26 25 00 00-0002)</small>		
26 25 00 00-0028 600 Volt, 3-Phase, 3-Wire, Copper Conductors <small>(26 25 00 00-0027)</small>		
26 25 00 00-0029 EA 225 Amp Cable Tap Box, 600 Volt, 3 Phase, 3 Wire	2,014.15	145.26
26 25 00 00-0030 EA 400 Amp Cable Tap Box, 600 Volt, 3 Phase, 3 Wire	2,082.91	145.26
26 25 00 00-0031 EA 600 Amp Cable Tap Box, 600 Volt, 3 Phase, 3 Wire	2,252.59	197.14
26 25 00 00-0032 EA 800 Amp Cable Tap Box, 600 Volt, 3 Phase, 3 Wire	2,398.05	197.14
26 25 00 00-0033 EA 1,000 Amp Cable Tap Box, 600 Volt, 3 Phase, 3 Wire	2,572.46	259.39
26 25 00 00-0034 EA 1,350 Amp Cable Tap Box, 600 Volt, 3 Phase, 3 Wire	2,818.64	259.39
26 25 00 00-0035 277/480 Volt, 3-Phase, 4-Wire, 100% Neutral, Copper Conductors <small>(26 25 00 00-0027)</small>		
26 25 00 00-0036 EA 225 Amp Cable Tap Box 277/480 Volt, 3 Phase, 4 Wire	2,082.91	285.34
26 25 00 00-0037 EA 400 Amp Cable Tap Box 277/480 Volt, 3 Phase, 4 Wire	2,264.49	285.34
26 25 00 00-0038 EA 600 Amp Cable Tap Box 277/480 Volt, 3 Phase, 4 Wire	2,420.80	389.10
26 25 00 00-0039 EA 800 Amp Cable Tap Box 277/480 Volt, 3 Phase, 4 Wire	2,720.38	389.10
26 25 00 00-0040 EA 1,000 Amp Cable Tap Box 277/480 Volt, 3 Phase, 4 Wire	2,862.44	518.80
26 25 00 00-0041 EA 1,350 Amp Cable Tap Box 277/480 Volt, 3 Phase, 4 Wire	3,255.96	518.80
26 25 00 00-0042 Bus Duct Plug-In Circuit Breaker <small>(26 25 00 00-0002)</small>		
26 25 00 00-0043 240 Volt, 3-Phase <small>(26 25 00 00-0042)</small>		

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 25 Enclosed Bus Assemblies**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 25 00 00-0044	EA		60 Amp Bus Duct Circuit Breaker 240 Volt, 3 Phase Plug-in Circuit Breaker <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	909.98 56.76	103.76
26 25 00 00-0045	EA		100 Amp Bus Duct Circuit Breaker 240 Volt, 3 Phase Plug-in Circuit Breaker <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,805.38 72.86	103.76
26 25 00 00-0046			600 Volt, 3-Phase (26 25 00 00-0042)		
26 25 00 00-0047	EA		60 Amp Bus Duct Circuit Breaker 600 Volt, 3 Phase Plug-in Circuit Breaker <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,751.71 56.76	103.76
26 25 00 00-0048	EA		100 Amp Bus Duct Circuit Breaker 600 Volt, 3 Phase Plug-in Circuit Breaker <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,268.78 72.86	103.76
26 25 00 00-0049			120/208 Volt, 3-Phase, 4-Wire (26 25 00 00-0042)		
26 25 00 00-0050	EA		60 Amp Bus Duct Circuit Breaker 120/208 Volt, 3 Phase, 4 Wire Plug-in Circuit Breaker <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,047.82 64.85	124.51
26 25 00 00-0051	EA		100 Amp Bus Duct Circuit Breaker 120/208 Volt, 3 Phase, 4 Wire Plug-in Circuit Breaker <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,252.21 81.06	124.51
26 25 00 00-0052			277/480 Volt, 3-Phase, 4-Wire (26 25 00 00-0042)		
26 25 00 00-0053	EA		60 Amp Bus Duct Circuit Breaker 277/480 Volt, 3 Phase, 4 Wire Plug-in Circuit Breaker <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,198.18 64.85	124.51
26 25 00 00-0054	EA		100 Amp Bus Duct Circuit Breaker 277/480 Volt, 3 Phase, 4 Wire Plug-in Circuit Breaker <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,840.96 81.06	124.51
26 25 00 00-0055	EA		225 Amp Bus Duct Circuit Breaker 277/480 Volt, 3 Phase, 4 Wire Plug-in Circuit Breaker <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,697.85 186.62	430.60
26 25 00 00-0056	EA		400 Amp Bus Duct Circuit Breaker 277/480 Volt, 3 Phase, 4 Wire Plug-in Circuit Breaker <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6,434.09 405.31	430.60
26 25 00 00-0057	EA		600 Amp Bus Duct Circuit Breaker 277/480 Volt, 3 Phase, 4 Wire Plug-in Circuit Breaker <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7,202.27 563.91	1,245.11
26 25 00 00-0058	EA		800 Amp Bus Duct Circuit Breaker 277/480 Volt, 3 Phase, 4 Wire Plug-in Circuit Breaker <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9,047.38 997.68	1,245.11
26 25 00 00-0059			Bus Duct Plug-In Fusible Switch (26 25 00 00-0002)		
26 25 00 00-0060			240 Volt, 3-Pole, 3-Fuse (26 25 00 00-0059)		
26 25 00 00-0061	EA		30 Amp Bus Duct Fusible Switch 240 Volt, 3 Phase Plug-in Fusible Switch, 3 Fuses.....	907.91	103.76
26 25 00 00-0062	EA		60 Amp Bus Duct Fusible Switch 240 Volt, 3 Phase Plug-in Fusible Switch, 3 Fuses.....	997.51	103.76
26 25 00 00-0063	EA		100 Amp Bus Duct Fusible Switch 240 Volt, 3 Phase Plug-in Fusible Switch, 3 Fuses.....	1,377.94	124.51
26 25 00 00-0064	EA		200 Amp Bus Duct Fusible Switch 240 Volt, 3 Phase Plug-in Fusible Switch, 3 Fuses.....	2,325.85	249.03
26 25 00 00-0065	EA		400 Amp Bus Duct Fusible Switch 240 Volt, 3 Phase Plug-in Fusible Switch, 3 Fuses.....	5,872.70	560.30
26 25 00 00-0066	EA		600 Amp Bus Duct Fusible Switch 240 Volt, 3 Phase Plug-in Fusible Switch, 3 Fuses.....	8,786.59	975.33
26 25 00 00-0067			600 Volt, 3-Pole, 3-Fuse (26 25 00 00-0059)		
26 25 00 00-0068	EA		30 Amp Bus Duct Fusible Switch 600 Volt, 3 Phase Plug-in Fusible Switch, 3 Fuses.....	943.49	114.13
26 25 00 00-0069	EA		60 Amp Bus Duct Fusible Switch 600 Volt, 3 Phase Plug-in Fusible Switch, 3 Fuses.....	1,030.86	114.13
26 25 00 00-0070	EA		100 Amp Bus Duct Fusible Switch 600 Volt, 3 Phase Plug-in Fusible Switch, 3 Fuses.....	1,389.00	114.13
26 25 00 00-0071	EA		200 Amp Bus Duct Fusible Switch 600 Volt, 3 Phase Plug-in Fusible Switch, 3 Fuses.....	2,382.54	238.65
26 25 00 00-0072	EA		400 Amp Bus Duct Fusible Switch 600 Volt, 3 Phase Plug-in Fusible Switch, 3 Fuses.....	5,844.98	539.54
26 25 00 00-0073	EA		600 Amp Bus Duct Fusible Switch 600 Volt, 3 Phase Plug-in Fusible Switch, 3 Fuses.....	8,983.10	1,037.59
26 25 00 00-0074	EA		800 Amp Bus Duct Fusible Switch 600 Volt, 3 Phase Plug-in Fusible Switch, 3 Fuses.....	14,724.67	1,348.87
26 25 00 00-0075			120/208 Volt, 4-pole, 3 Fuse (26 25 00 00-0059)		
26 25 00 00-0076	EA		30 Amp Bus Duct Fusible Switch 120/208 Volt, 4 Phase Plug-in Fusible Switch, 3 Fuses.....	1,050.62	134.89
26 25 00 00-0077	EA		60 Amp Bus Duct Fusible Switch 120/208 Volt, 4 Phase Plug-in Fusible Switch, 3 Fuses.....	1,128.60	134.89
26 25 00 00-0078	EA		100 Amp Bus Duct Fusible Switch 120/208 Volt, 4 Phase Plug-in Fusible Switch, 3 Fuses.....	1,525.90	134.89
26 25 00 00-0079	EA		200 Amp Bus Duct Fusible Switch 120/208 Volt, 4 Phase Plug-in Fusible Switch, 3 Fuses.....	2,586.65	280.15
26 25 00 00-0080	EA		400 Amp Bus Duct Fusible Switch 120/208 Volt, 4 Phase Plug-in Fusible Switch, 3 Fuses.....	6,445.69	622.55
26 25 00 00-0081	EA		600 Amp Bus Duct Fusible Switch 120/208 Volt, 4 Phase Plug-in Fusible Switch, 3 Fuses.....	9,382.59	954.59
26 25 00 00-0082			277/480 Volt, 4-pole, 3-Fuse (26 25 00 00-0059)		
26 25 00 00-0083	EA		30 Amp Bus Duct Fusible Switch 277/480 Volt, 4 Phase Plug-in Fusible Switch, 3 Fuses.....	1,085.19	134.89
26 25 00 00-0084	EA		60 Amp Bus Duct Fusible Switch 277/480 Volt, 4 Phase Plug-in Fusible Switch, 3 Fuses.....	1,163.18	114.44
26 25 00 00-0085	EA		100 Amp Bus Duct Fusible Switch 277/480 Volt, 4 Phase Plug-in Fusible Switch, 3 Fuses.....	1,627.67	155.64
26 25 00 00-0086	EA		200 Amp Bus Duct Fusible Switch 277/480 Volt, 4 Phase Plug-in Fusible Switch, 3 Fuses.....	2,695.49	280.15
26 25 00 00-0087	EA		400 Amp Bus Duct Fusible Switch 277/480 Volt, 4 Phase Plug-in Fusible Switch, 3 Fuses.....	6,445.69	622.55
26 25 00 00-0088	EA		600 Amp Bus Duct Fusible Switch 277/480 Volt, 4 Phase Plug-in Fusible Switch, 3 Fuses.....	9,382.59	954.59
26 25 00 00-0089	EA		800 Amp Bus Duct Fusible Switch 277/480 Volt, 4 Phase Plug-in Fusible Switch, 3 Fuses.....	14,847.44	1,265.86
26 25 00 00-0090			Feeder Bus Duct (26 25 00 00-0001)		
			Note: Based on an average of 100' horizontal run with a 15' maximum mounting height. Each 100' of bus duct includes 2 elbows, 1 end cap, and switchboard stub. Excludes hangers with anchors and hardware support.		
26 25 00 00-0091			600 Volt, 3 Wire, Ventilated Low Impedance (26 25 00 00-0090)		
			Note: Copper conductors.		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 25 00 00-0092 LF 800 Amp Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors, With Supports.....	726.94	43.58
<i>For Up To 25, Add</i>	181.74	
<i>For >25 To 50, Add</i>	109.04	
<i>For >50 To 100, Add</i>	54.52	
26 25 00 00-0093 LF 1,000 Amp Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors, With Supports.....	736.97	43.58
<i>For Up To 25, Add</i>	184.24	
<i>For >25 To 50, Add</i>	110.55	
<i>For >50 To 100, Add</i>	55.27	
26 25 00 00-0094 LF 1,350 Amp Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors, With Supports.....	964.08	43.58
<i>For Up To 25, Add</i>	241.02	
<i>For >25 To 50, Add</i>	144.61	
<i>For >50 To 100, Add</i>	72.31	
26 25 00 00-0095 LF 1,600 Amp Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors, With Supports.....	1,157.59	43.58
<i>For Up To 25, Add</i>	289.40	
<i>For >25 To 50, Add</i>	173.64	
<i>For >50 To 100, Add</i>	86.82	
26 25 00 00-0096 LF 2,000 Amp Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors, With Supports.....	1,414.72	43.58
<i>For Up To 25, Add</i>	353.68	
<i>For >25 To 50, Add</i>	212.21	
<i>For >50 To 100, Add</i>	106.10	
26 25 00 00-0097 LF 3,000 Amp Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors, With Supports.....	1,930.62	103.76
<i>For Up To 25, Add</i>	482.66	
<i>For >25 To 50, Add</i>	289.59	
<i>For >50 To 100, Add</i>	144.80	
26 25 00 00-0098 LF 4,000 Amp Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors, With Supports.....	2,668.05	103.76
<i>For Up To 25, Add</i>	667.01	
<i>For >25 To 50, Add</i>	400.21	
<i>For >50 To 100, Add</i>	200.10	
26 25 00 00-0099 LF 5,000 Amp Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors, With Supports.....	3,156.64	103.76
<i>For Up To 25, Add</i>	789.16	
<i>For >25 To 50, Add</i>	473.50	
<i>For >50 To 100, Add</i>	236.75	
26 25 00 00-0100 LF 6,000 Amp Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors, With Supports.....	3,887.83	103.76
<i>For Up To 25, Add</i>	971.96	
<i>For >25 To 50, Add</i>	583.17	
<i>For >50 To 100, Add</i>	291.59	
26 25 00 00-0101 277/480 Volt, 3 Phase, 4 Wire, Half Neutral, Ventilated <small>(26 25 00 00-0090)</small>		
Note: Low impedance, copper conductors.		
26 25 00 00-0102 LF 800 Amp Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors, With Supports.....	833.21	46.69
<i>For Up To 25, Add</i>	208.30	
<i>For >25 To 50, Add</i>	124.98	
<i>For >50 To 100, Add</i>	62.49	
26 25 00 00-0103 LF 1,000 Amp Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors, With Supports.....	846.41	46.69
<i>For Up To 25, Add</i>	211.60	
<i>For >25 To 50, Add</i>	126.96	
<i>For >50 To 100, Add</i>	63.48	
26 25 00 00-0104 LF 1,350 Amp Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors, With Supports.....	1,088.82	46.69
<i>For Up To 25, Add</i>	272.21	
<i>For >25 To 50, Add</i>	163.32	
<i>For >50 To 100, Add</i>	81.66	
26 25 00 00-0105 LF 1,600 Amp Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors, With Supports.....	1,290.73	46.69
<i>For Up To 25, Add</i>	322.68	
<i>For >25 To 50, Add</i>	193.61	
<i>For >50 To 100, Add</i>	96.80	
26 25 00 00-0106 LF 2,000 Amp Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors, With Supports.....	1,559.09	46.69
<i>For Up To 25, Add</i>	389.77	
<i>For >25 To 50, Add</i>	233.86	
<i>For >50 To 100, Add</i>	116.93	
26 25 00 00-0107 LF 3,000 Amp Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors, With Supports.....	2,395.36	79.89
<i>For Up To 25, Add</i>	598.84	
<i>For >25 To 50, Add</i>	359.30	
<i>For >50 To 100, Add</i>	179.65	
26 25 00 00-0108 LF 4,000 Amp Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors, With Supports.....	3,004.24	79.89
<i>For Up To 25, Add</i>	751.06	
<i>For >25 To 50, Add</i>	450.64	
<i>For >50 To 100, Add</i>	225.32	
26 25 00 00-0109 LF 5,000 Amp Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors, With Supports.....	3,554.76	148.38
<i>For Up To 25, Add</i>	888.69	
<i>For >25 To 50, Add</i>	533.21	
<i>For >50 To 100, Add</i>	266.61	
26 25 00 00-0110 LF 6,000 Amp Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors, With Supports.....	4,383.61	148.38
<i>For Up To 25, Add</i>	1,095.90	
<i>For >25 To 50, Add</i>	657.54	
<i>For >50 To 100, Add</i>	328.77	

26 26 Power Distribution Units (26 20)

Note: Includes wiring connections and testing.

26 26 00 00-0001 Liebert Precision Power Center (26 26)

Note: With K20 Trans Spike Suppression Modules Lighting/ Surge Arrestors. Includes start-up.

26 26 00 00-0002 EA PDU 15 KVA 480-208/120 (Liebert PPA01C).....	11,290.10	319.06
26 26 00 00-0003 EA PDU 15 KVA 208-208/120 (Liebert PPC015C).....	10,916.20	319.06

26 Electrical
26 20 Low-Voltage Electrical Distribution
26 26 Power Distribution Units



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 26 00 00-0004	EA		PDU 30 KVA 480-208/120 (Liebert PPA030C)	12,714.72	345.83
26 26 00 00-0005	EA		PDU 30 KVA 208-208/120 (Liebert PPC030C)	13,150.93	345.83
26 26 00 00-0006	EA		PDU 50 KVA 480-208/120 (Liebert PPA050C)	14,369.44	383.91
26 26 00 00-0007	EA		PDU 50 KVA 208-208/120 (Liebert PPC050C)	14,979.73	383.91
26 26 00 00-0008	EA		PDU 75 KVA 480-208/120 (Liebert PPA075C)	15,844.21	415.03
26 26 00 00-0009	EA		PDU 75 KVA 208-208/120 (Liebert PPC075C)	17,215.18	415.03
26 26 00 00-0010	EA		PDU 100 KVA 480-208/120 (Liebert PPA100C)	17,277.29	518.80
26 26 00 00-0011	EA		PDU 100 KVA 208-208/120 (Liebert PPC100C)	18,835.21	518.80
26 26 00 00-0012	EA		PDU 125 KVA 480-208/120 (Liebert PPA125C)	19,416.63	622.55
26 26 00 00-0013	EA		PDU 125 KVA 208-208/120 (Liebert PPC125C)	21,161.49	622.55
26 26 00 00-0014	EA		PDU 150 KVA 480-208/120 (Liebert PPA150C)	23,487.78	726.32
26 26 00 00-0015	EA		PDU 150 KVA 208-208/120 (Liebert PPC150C)	24,422.52	726.32
26 26 00 00-0016	EA		PDU 200 KVA 480-208/120 (Liebert PPA200C)	25,938.48	830.07
26 26 00 00-0017	EA		PDU 225 KVA 480-208/120 (Liebert PPA225C)	27,226.36	933.83
26 26 00 00-0018	EA		Ex Panelboard 10-30 KVA	1,025.94	103.76
26 26 00 00-0019	EA		Ex Panelboard 50-125 KVA	1,514.03	129.70
26 26 00 00-0020	EA		Ex Panelboard 150-220 KVA	3,310.79	155.64
26 26 00 00-0021	EA		Removal And Reinstallation Of Power Distribution Unit Note: Includes disconnection / reconnection of branch circuits, storage and cleaning.	1,660.15	
26 26 00 00-0022	EA		Start-Up Liebert Power Distribution Unit Line Item Applies To A Relocation Only	1,245.11	

26 27 Low-Voltage Distribution Equipment (26 20)

26 27 13 Electricity Metering (26 27)

26 27 13 00-0001 Revenue Metering (26 27 13)

26 27 13 00-0002 Meter Socket Base (26 27 13 00-0001)
 Note: NEMA 3R.

26 27 13 00-0003	EA		100 Amp, 1 Phase, 3 Wire, 4 Terminal Meter Socket With Bypass	189.54	67.44
26 27 13 00-0004	EA		100 Amp, 1 Phase, 3 Wire, 5 Terminal Meter Socket With Bypass	198.32	67.44
26 27 13 00-0005	EA		200 Amp, 1 Phase, 3 Wire, 4 Terminal Meter Socket With Bypass	262.58	83.01
26 27 13 00-0006	EA		200 Amp, 1 Phase, 3 Wire, 5 Terminal Meter Socket With Bypass	265.08	83.01
26 27 13 00-0007	EA		200 Amp, 3 Phase, 4 Wire, 7 Terminal Meter Socket With Bypass And Jaw Release	460.91	93.39
26 27 13 00-0008	EA		320 Amp, 3 Phase, 4 Wire, 7 Terminal Meter Socket With Bypass, And Jaw Release	597.25	103.76
26 27 13 00-0009	EA		400 Amp, 3 Phase, 4 Wire, 7 Terminal Meter Socket With Bypass, And Jaw Release	1,366.46	114.13
26 27 13 00-0010	EA		Combination Motor And Current Transformer Cabinet, 15-30 A, 13 Terminal, Underground, With Test Switch And Transformer - Socket Base	1,866.91	518.80

26 27 13 00-0011 Meter Device (26 27 13 00-0001)

Note: Direct read, with 15 minute demand.

26 27 13 00-0012	EA		100 To 200 Amp, 120 Volt, Or 240 Volt, 1 Phase, KWH Meter	160.71	20.75
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.76	
26 27 13 00-0013	EA		200 Amp, 120 Volt, Or 240 Volt, 3 Phase, KWH Meter	423.29	20.77
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.99	

26 27 13 00-0014 Current Transformer Enclosure (26 27 13 00-0001)

26 27 13 00-0015	EA		Current Transformer Cover, Screwed, 18" x 24" x 9", NEMA 3R	406.42	134.89
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26 27 13 00-0016 120/240 Volt Meter Center And Main Breaker, Indoor Housing (26 27 13 00-0001)

26 27 13 00-0017 800 Amp Bus, 4 Jaw Sockets, 125 Amp Max., 2 Pole (26 27 13 00-0016)

26 27 13 00-0018	EA		3 Meters And Main, 120/240 Volt, 800 Amp Bus, 4 Jaw Sockets, 125 Amp Max	612.59	64.85
26 27 13 00-0019	EA		4 Meters And Main, 120/240 Volt, 800 Amp Bus, 4 Jaw Sockets, 125 Amp Max	800.44	77.82
26 27 13 00-0020	EA		5 Meters And Main, 120/240 Volt, 800 Amp Bus, 4 Jaw Sockets, 125 Amp Max	987.33	90.79
26 27 13 00-0021	EA		6 Meters And Main, 120/240 Volt, 800 Amp Bus, 4 Jaw Sockets, 125 Amp Max	1,143.00	103.76
26 27 13 00-0022	EA		7 Meters And Main, 120/240 Volt, 800 Amp Bus, 4 Jaw Sockets, 125 Amp Max	1,473.82	116.73
26 27 13 00-0023	EA		8 Meters And Main, 120/240 Volt, 800 Amp Bus, 4 Jaw Sockets, 125 Amp Max	1,594.43	129.70
26 27 13 00-0024	EA		10 Meters And Main, 120/240 Volt, 800 Amp Bus, 4 Jaw Sockets, 125 Amp Max	1,864.10	155.64

26 27 13 00-0025 1,200 Amp Bus, 4 Jaw Sockets, 200 Amp Max., 2 Pole (26 27 13 00-0016)

26 27 13 00-0026	EA		3 Meters And Main, 120/240 Volt, 1,200 Amp Bus, 4 Jaw Sockets, 200 Amp Max	1,086.01	64.85
26 27 13 00-0027	EA		4 Meters And Main, 120/240 Volt, 1,200 Amp Bus, 4 Jaw Sockets, 200 Amp Max	1,424.41	77.82
26 27 13 00-0028	EA		6 Meters And Main, 120/240 Volt, 1,200 Amp Bus, 4 Jaw Sockets, 200 Amp Max	1,959.18	103.76
26 27 13 00-0029	EA		7 Meters And Main, 120/240 Volt, 1,200 Amp Bus, 4 Jaw Sockets, 200 Amp Max	2,174.48	116.73
26 27 13 00-0030	EA		8 Meters And Main, 120/240 Volt, 1,200 Amp Bus, 4 Jaw Sockets, 200 Amp Max	2,721.17	129.70

26 27 13 00-0031 800 Amp Bus, 4 Jaw Sockets, 42,000 AIC, 2 Pole (26 27 13 00-0016)

26 27 13 00-0032	EA		3 Meters And Main, 120/240 Volt, 800 Amp Bus, 4 Jaw Sockets, 42,000 AIC	931.47	90.79
26 27 13 00-0033	EA		4 Meters And Main, 120/240 Volt, 800 Amp Bus, 4 Jaw Sockets, 42,000 AIC	1,211.17	103.76
26 27 13 00-0034	EA		5 Meters And Main, 120/240 Volt, 800 Amp Bus, 4 Jaw Sockets, 42,000 AIC	1,473.82	116.73
26 27 13 00-0035	EA		6 Meters And Main, 120/240 Volt, 800 Amp Bus, 4 Jaw Sockets, 42,000 AIC	1,726.99	129.70
26 27 13 00-0036	EA		7 Meters And Main, 120/240 Volt, 800 Amp Bus, 4 Jaw Sockets, 42,000 AIC	2,160.07	142.67
26 27 13 00-0037	EA		8 Meters And Main, 120/240 Volt, 800 Amp Bus, 4 Jaw Sockets, 42,000 AIC	2,271.24	155.64
26 27 13 00-0038	EA		10 Meters And Main, 120/240 Volt, 800 Amp Bus, 4 Jaw Sockets, 42,000 AIC	2,805.99	181.57



Electrical	26	26
Low-Voltage Electrical Distribution	26 20	
Low-Voltage Distribution Equipment	26 27	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 27 13 00-0039 1,200 Amp Bus, 4 Jaw Sockets, 42,000 AIC, 2 Pole <small>(26 27 13 00-0016)</small>		
26 27 13 00-0040 EA 3 Meters And Main, 120/240 Volt, 1,200 Amp Bus, 4 Jaw Sockets, 42,000 AIC	1,402.99	90.79
26 27 13 00-0041 EA 4 Meters And Main, 120/240 Volt, 1,200 Amp Bus, 4 Jaw Sockets, 42,000 AIC	1,826.61	103.76
26 27 13 00-0042 EA 6 Meters And Main, 120/240 Volt, 1,200 Amp Bus, 4 Jaw Sockets, 42,000 AIC	2,560.21	129.70
26 27 13 00-0043 EA 7 Meters And Main, 120/240 Volt, 1,200 Amp Bus, 4 Jaw Sockets, 42,000 AIC	2,747.11	142.67
26 27 13 00-0044 EA 8 Meters And Main, 120/240 Volt, 1,200 Amp Bus, 4 Jaw Sockets, 42,000 AIC	3,492.63	155.64
26 27 13 00-0045 120/208 Volt Meter Center And Main Breaker, Indoor Housing <small>(26 27 13 00-0001)</small>		
26 27 13 00-0046 800 Amp Bus, 5 Jaw Sockets, 125 A Max., 2 Pole <small>(26 27 13 00-0045)</small>		
26 27 13 00-0047 EA 3 Meters And Main, 120/208 Volt, 800 Amp Bus, 5 Jaw Sockets, 125 Amp Max	672.61	77.82
26 27 13 00-0048 EA 4 Meters And Main, 120/208 Volt, 800 Amp Bus, 5 Jaw Sockets, 125 Amp Max	870.87	90.79
26 27 13 00-0049 EA 5 Meters And Main, 120/208 Volt, 800 Amp Bus, 5 Jaw Sockets, 125 Amp Max	1,068.20	103.76
26 27 13 00-0050 EA 6 Meters And Main, 120/208 Volt, 800 Amp Bus, 5 Jaw Sockets, 125 Amp Max	1,237.11	116.73
26 27 13 00-0051 EA 7 Meters And Main, 120/208 Volt, 800 Amp Bus, 5 Jaw Sockets, 125 Amp Max	1,509.22	129.70
26 27 13 00-0052 EA 8 Meters And Main, 120/208 Volt, 800 Amp Bus, 5 Jaw Sockets, 125 Amp Max	1,629.84	142.67
26 27 13 00-0053 EA 10 Meters And Main, 120/208 Volt, 800 Amp Bus, 5 Jaw Sockets, 125 Amp Max	2,003.66	168.61
26 27 13 00-0054 1,200 Amp Bus, 5 Jaw Sockets, 10,000 AIC, 2 Pole <small>(26 27 13 00-0045)</small>		
26 27 13 00-0055 EA 3 Meters And Main, 120/208 Volt, 1,200 Amp Bus, 5 Jaw Sockets, 10,000 AIC	1,149.83	77.82
26 27 13 00-0056 EA 4 Meters And Main, 120/208 Volt, 1,200 Amp Bus, 5 Jaw Sockets, 10,000 AIC	1,507.15	90.79
26 27 13 00-0057 EA 6 Meters And Main, 120/208 Volt, 1,200 Amp Bus, 5 Jaw Sockets, 10,000 AIC	2,165.01	116.73
26 27 13 00-0058 EA 7 Meters And Main, 120/208 Volt, 1,200 Amp Bus, 5 Jaw Sockets, 10,000 AIC	2,380.31	129.70
26 27 13 00-0059 EA 8 Meters And Main, 120/208 Volt, 1,200 Amp Bus, 5 Jaw Sockets, 10,000 AIC	2,870.24	142.67
26 27 13 00-0060 800 Amp Bus, 5 Jaw Sockets, 42,000 AIC, 2 Pole <small>(26 27 13 00-0045)</small>		
26 27 13 00-0061 EA 3 Meters And Main, 120/208 Volt, 800 Amp Bus, 5 Jaw Sockets, 42,000 AIC	991.51	103.76
26 27 13 00-0062 EA 4 Meters And Main, 120/208 Volt, 800 Amp Bus, 5 Jaw Sockets, 42,000 AIC	1,275.00	116.73
26 27 13 00-0063 EA 5 Meters And Main, 120/208 Volt, 800 Amp Bus, 5 Jaw Sockets, 42,000 AIC	1,566.06	129.70
26 27 13 00-0064 EA 6 Meters And Main, 120/208 Volt, 800 Amp Bus, 5 Jaw Sockets, 42,000 AIC	1,819.25	142.67
26 27 13 00-0065 EA 7 Meters And Main, 120/208 Volt, 800 Amp Bus, 5 Jaw Sockets, 42,000 AIC	2,271.28	155.64
26 27 13 00-0066 EA 8 Meters And Main, 120/208 Volt, 800 Amp Bus, 5 Jaw Sockets, 42,000 AIC	2,382.40	168.61
26 27 13 00-0067 EA 10 Meters And Main, 120/208 Volt, 800 Amp Bus, 5 Jaw Sockets, 42,000 AIC	2,955.07	194.55
26 27 13 00-0068 1,200 Amp Bus, 5 Jaw Sockets, 42,000 AIC, 2 Pole <small>(26 27 13 00-0045)</small>		
26 27 13 00-0069 EA 3 Meters And Main, 120/208 Volt, 1,200 Amp Bus, 5 Jaw Sockets, 42,000 AIC	1,476.29	103.76
26 27 13 00-0070 EA 4 Meters And Main, 120/208 Volt, 1,200 Amp Bus, 5 Jaw Sockets, 42,000 AIC	1,928.32	116.73
26 27 13 00-0071 EA 6 Meters And Main, 120/208 Volt, 1,200 Amp Bus, 5 Jaw Sockets, 42,000 AIC	2,747.15	142.67
26 27 13 00-0072 EA 7 Meters And Main, 120/208 Volt, 1,200 Amp Bus, 5 Jaw Sockets, 42,000 AIC	2,877.22	155.64
26 27 13 00-0073 EA 8 Meters And Main, 120/208 Volt, 1,200 Amp Bus, 5 Jaw Sockets, 42,000 AIC	3,632.23	168.61
26 27 13 00-0074 120/240 Volt Meter Center And Main Breaker, NEMA 3R Housing <small>(26 27 13 00-0001)</small>		
26 27 13 00-0075 800 Amp Bus, 4 Jaw Sockets, 10,000 AIC, 2 Pole <small>(26 27 13 00-0074)</small>		
26 27 13 00-0076 EA 3 Meters And Main, 120/240 Volt, 800 Amp Bus, 4 Jaw Sockets, 10,000 AIC	612.59	64.85
26 27 13 00-0077 EA 4 Meters And Main, 120/240 Volt, 800 Amp Bus, 4 Jaw Sockets, 10,000 AIC	800.44	77.82
26 27 13 00-0078 EA 6 Meters And Main, 120/240 Volt, 800 Amp Bus, 4 Jaw Sockets, 10,000 AIC	1,143.00	103.76
26 27 13 00-0079 EA 7 Meters And Main, 120/240 Volt, 800 Amp Bus, 4 Jaw Sockets, 10,000 AIC	1,473.82	116.73
26 27 13 00-0080 EA 8 Meters And Main, 120/240 Volt, 800 Amp Bus, 4 Jaw Sockets, 10,000 AIC	1,812.20	129.70
26 27 13 00-0081 1,200 Amp Bus, 4 Jaw Sockets, 10,000 AIC, 2 Pole <small>(26 27 13 00-0074)</small>		
26 27 13 00-0082 EA 3 Meters And Main, 120/240 Volt, 1,200 Amp Bus, 4 Jaw Sockets, 10,000 AIC	1,086.01	64.85
26 27 13 00-0083 EA 4 Meters And Main, 120/240 Volt, 1,200 Amp Bus, 4 Jaw Sockets, 10,000 AIC	1,424.40	77.82
26 27 13 00-0084 EA 6 Meters And Main, 120/240 Volt, 1,200 Amp Bus, 4 Jaw Sockets, 10,000 AIC	2,053.85	103.76
26 27 13 00-0085 EA 7 Meters And Main, 120/240 Volt, 1,200 Amp Bus, 4 Jaw Sockets, 10,000 AIC	2,269.16	116.73
26 27 13 00-0086 EA 8 Meters And Main, 120/240 Volt, 1,200 Amp Bus, 4 Jaw Sockets, 10,000 AIC	2,721.17	129.70
26 27 13 00-0087 800 Amp Bus, 4 Jaw Sockets, 42,000 AIC, 2 Pole <small>(26 27 13 00-0074)</small>		
26 27 13 00-0088 EA 3 Meters And Main, 120/240 Volt, 800 Amp Bus, 4 Jaw Sockets, 42,000 AIC	931.47	90.79
26 27 13 00-0089 EA 4 Meters And Main, 120/240 Volt, 800 Amp Bus, 4 Jaw Sockets, 42,000 AIC	1,211.17	103.76
26 27 13 00-0090 EA 6 Meters And Main, 120/240 Volt, 800 Amp Bus, 4 Jaw Sockets, 42,000 AIC	1,726.99	129.70
26 27 13 00-0091 EA 7 Meters And Main, 120/240 Volt, 800 Amp Bus, 4 Jaw Sockets, 42,000 AIC	2,160.07	142.67
26 27 13 00-0092 EA 8 Meters And Main, 120/240 Volt, 800 Amp Bus, 4 Jaw Sockets, 42,000 AIC	2,271.24	155.64
26 27 13 00-0093 1,200 Amp Bus, 4 Jaw Sockets, 42,000 AIC, 2 Pole <small>(26 27 13 00-0074)</small>		
26 27 13 00-0094 EA 3 Meters And Main, 120/240 Volt, 1,200 Amp Bus, 4 Jaw Sockets, 42,000 AIC	1,403.00	90.79
26 27 13 00-0095 EA 4 Meters And Main, 120/240 Volt, 1,200 Amp Bus, 4 Jaw Sockets, 42,000 AIC	1,826.61	103.76
26 27 13 00-0096 EA 6 Meters And Main, 120/240 Volt, 1,200 Amp Bus, 4 Jaw Sockets, 42,000 AIC	2,560.21	129.70
26 27 13 00-0097 EA 7 Meters And Main, 120/240 Volt, 1,200 Amp Bus, 4 Jaw Sockets, 42,000 AIC	2,747.11	142.67
26 27 13 00-0098 EA 8 Meters And Main, 120/240 Volt, 1,200 Amp Bus, 4 Jaw Sockets, 42,000 AIC	3,492.66	155.64

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 27 Low-Voltage Distribution Equipment**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 27 13 00-0099	120/208 Volt Meter Center And Main Breaker, NEMA 3R Housing (26 27 13 00-0001)	
26 27 13 00-0100	800 Amp Bus, 5 Jaw Sockets, 10,000 AIC, 2 Pole (26 27 13 00-0099)	
26 27 13 00-0101 EA	3 Meters And Main, 120/208 Volt, 800 Amp Bus, 5 Jaw Sockets, 10,000 AIC	672.61 77.82
26 27 13 00-0102 EA	4 Meters And Main, 120/208 Volt, 800 Amp Bus, 5 Jaw Sockets, 10,000 AIC	870.87 90.79
26 27 13 00-0103 EA	6 Meters And Main, 120/208 Volt, 800 Amp Bus, 5 Jaw Sockets, 10,000 AIC	1,237.11 116.73
26 27 13 00-0104 EA	7 Meters And Main, 120/208 Volt, 800 Amp Bus, 5 Jaw Sockets, 10,000 AIC	1,603.90 129.70
26 27 13 00-0105 EA	8 Meters And Main, 120/208 Volt, 800 Amp Bus, 5 Jaw Sockets, 10,000 AIC	1,819.21 142.67
26 27 13 00-0106	1,200 Amp Bus, 5 Jaw Sockets, 10,000 AIC, 2 Pole (26 27 13 00-0099)	
26 27 13 00-0107 EA	3 Meters And Main, 120/208 Volt, 1,200 Amp Bus, 5 Jaw Sockets, 10,000 AIC	1,149.82 77.82
26 27 13 00-0108 EA	4 Meters And Main, 120/208 Volt, 1,200 Amp Bus, 5 Jaw Sockets, 10,000 AIC	1,507.14 90.79
26 27 13 00-0109 EA	6 Meters And Main, 120/208 Volt, 1,200 Amp Bus, 5 Jaw Sockets, 10,000 AIC	2,070.32 116.73
26 27 13 00-0110 EA	7 Meters And Main, 120/208 Volt, 1,200 Amp Bus, 5 Jaw Sockets, 10,000 AIC	2,285.62 129.70
26 27 13 00-0111 EA	8 Meters And Main, 120/208 Volt, 1,200 Amp Bus, 5 Jaw Sockets, 10,000 AIC	2,870.20 142.67
26 27 13 00-0112	800 Amp Bus, 5 Jaw Sockets, 42,000 AIC, 2 Pole (26 27 13 00-0099)	
26 27 13 00-0113 EA	3 Meters And Main, 120/208 Volt, 800 Amp Bus, 5 Jaw Sockets, 42,000 AIC	991.50 103.76
26 27 13 00-0114 EA	4 Meters And Main, 120/208 Volt, 800 Amp Bus, 5 Jaw Sockets, 42,000 AIC	1,274.98 116.73
26 27 13 00-0115 EA	6 Meters And Main, 120/208 Volt, 800 Amp Bus, 5 Jaw Sockets, 42,000 AIC	1,819.21 142.67
26 27 13 00-0116 EA	7 Meters And Main, 120/208 Volt, 800 Amp Bus, 5 Jaw Sockets, 42,000 AIC	2,271.24 155.64
26 27 13 00-0117 EA	8 Meters And Main, 120/208 Volt, 800 Amp Bus, 5 Jaw Sockets, 42,000 AIC	2,382.40 168.61
26 27 13 00-0118	1,200 Amp Bus, 5 Jaw Sockets, 42,000 AIC, 2 Pole (26 27 13 00-0099)	
26 27 13 00-0119 EA	3 Meters And Main, 120/208 Volt, 1,200 Amp Bus, 5 Jaw Sockets, 42,000 AIC	1,476.28 103.76
26 27 13 00-0120 EA	4 Meters And Main, 120/208 Volt, 1,200 Amp Bus, 5 Jaw Sockets, 42,000 AIC	1,928.30 116.73
26 27 13 00-0121 EA	6 Meters And Main, 120/208 Volt, 1,200 Amp Bus, 5 Jaw Sockets, 42,000 AIC	2,747.11 142.67
26 27 13 00-0122 EA	7 Meters And Main, 120/208 Volt, 1,200 Amp Bus, 5 Jaw Sockets, 42,000 AIC	2,877.22 155.64
26 27 13 00-0123 EA	8 Meters And Main, 120/208 Volt, 1,200 Amp Bus, 5 Jaw Sockets, 42,000 AIC	3,632.23 168.61
26 27 13 00-0124	Watt/Hour Meters (26 27 13)	
26 27 13 00-0125 EA	Single Phase M-90 Meter, Socket, NEMA 3R Enclosure	678.85 62.25
26 27 13 00-0126 EA	Three Phase M-90 Meter/Main Breaker Combination With Socket, NEMA 3R Enclosure	1,982.10 124.51
26 27 13 00-0127 EA	Three Phase M-90 Meter In Line Secondary With Socket, NEMA 3R Enclosure	1,086.88 93.39
26 27 13 00-0128 EA	Three Phase M-90 Meter, Primary Side Transformer Mount With Socket Totally Enclosed, NEMA 3R Enclosure	1,303.12 93.39
26 27 13 00-0129 EA	Three Phase M-90 Meter, Primary Side Pole Mount With Socket, NEMA 3R Enclosure	1,118.65 93.39
26 27 13 00-0130 EA	C.T. For M-90 Meter On Primary Side, NEMA 3R Enclosure	742.92 86.12
26 27 13 00-0131 EA	P.T. For M-90 Meter On Primary Side, NEMA 3R Enclosure	1,276.49 155.64
26 27 13 00-0132	Watt/Hour Meter Systems (26 27 13)	
	Note: Includes NEMA 3R enclosure with C.T. and NEMA 3R C.T. enclosure. systems with main breakers include an additional NEMA 3R enclosure.	
26 27 13 00-0133	Watt/Hour Meter System Without Main Breaker (26 27 13 00-0132)	
26 27 13 00-0134 EA	400 Amp System; 200 Amp M-90 Meter And Enclosure	3,440.38 622.66
26 27 13 00-0135 EA	600-800 Amp System; 200 Amp M-90 Meter And Enclosure	3,950.70 622.66
26 27 13 00-0136	Watt/Hour Meter System With Main Breaker (26 27 13 00-0132)	
26 27 13 00-0137 EA	400 Amp System; 400 Amp Main Breaker, 200 Amp M-90 Meter And Enclosure	5,680.96 622.66
26 27 13 00-0138 EA	600 Amp System; 600 Amp Main Breaker, 200 Amp M-90 Meter And Enclosure	6,793.76 622.66
26 27 13 00-0139 EA	800 Amp System; 800 Amp Main Breaker, 200 Amp M-90 Meter And Enclosure	7,265.69 622.66
26 27 16	Electrical Cabinets And Enclosures (26 27)	
	Note: Can be used as enclosure or pull/junction boxes.	
26 27 16 00-0001	NEMA 1 Enclosures (26 27 16)	
26 27 16 00-0002	Hinged Cover, Galvanized Steel NEMA 1 Enclosures (26 27 16 00-0001)	
26 27 16 00-0003	4" Depth, Hinged Cover, Galvanized Steel NEMA 1 Enclosures (26 27 16 00-0002)	
26 27 16 00-0004 EA	6" x 4" x 4" Hinged Cover, Galvanized Steel NEMA 1 Enclosure	63.12 20.75
26 27 16 00-0005 EA	6" x 6" x 4" Hinged Cover, Galvanized Steel NEMA 1 Enclosure	70.58 22.83
26 27 16 00-0006 EA	8" x 6" x 4" Hinged Cover, Galvanized Steel NEMA 1 Enclosure	78.10 24.90
26 27 16 00-0007 EA	8" x 8" x 4" Hinged Cover, Galvanized Steel NEMA 1 Enclosure	91.17 29.05
26 27 16 00-0008 EA	10" x 8" x 4" Hinged Cover, Galvanized Steel NEMA 1 Enclosure	99.07 31.13
26 27 16 00-0009 EA	10" x 10" x 4" Hinged Cover, Galvanized Steel NEMA 1 Enclosure	107.48 33.20
26 27 16 00-0010 EA	12" x 8" x 4" Hinged Cover, Galvanized Steel NEMA 1 Enclosure	107.22 33.20
26 27 16 00-0011 EA	12" x 10" x 4" Hinged Cover, Galvanized Steel NEMA 1 Enclosure	115.80 35.28
26 27 16 00-0012 EA	12" x 12" x 4" Hinged Cover, Galvanized Steel NEMA 1 Enclosure	124.77 37.36
26 27 16 00-0013 EA	16" x 12" x 4" Hinged Cover, Galvanized Steel NEMA 1 Enclosure	162.43 49.81
26 27 16 00-0014 EA	16" x 16" x 4" Hinged Cover, Galvanized Steel NEMA 1 Enclosure	196.92 60.18
26 27 16 00-0015 EA	18" x 12" x 4" Hinged Cover, Galvanized Steel NEMA 1 Enclosure	187.51 58.10



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 27 16 00-0016				6" Depth, Hinged Cover, Galvanized Steel NEMA 1 Enclosures (26 27 16 00-0002)		
	EA			6" x 6" x 6" Hinged Cover, Galvanized Steel NEMA 1 Enclosure	78.60	24.90
	EA			8" x 8" x 6" Hinged Cover, Galvanized Steel NEMA 1 Enclosure	94.89	29.05
	EA			10" x 8" x 6" Hinged Cover, Galvanized Steel NEMA 1 Enclosure	113.56	35.28
	EA			10" x 10" x 6" Hinged Cover, Galvanized Steel NEMA 1 Enclosure	122.33	37.36
	EA			12" x 10" x 6" Hinged Cover, Galvanized Steel NEMA 1 Enclosure	131.26	39.43
	EA			12" x 12" x 6" Hinged Cover, Galvanized Steel NEMA 1 Enclosure	140.56	41.50
	EA			16" x 12" x 6" Hinged Cover, Galvanized Steel NEMA 1 Enclosure	179.07	53.96
	EA			16" x 16" x 6" Hinged Cover, Galvanized Steel NEMA 1 Enclosure	217.56	66.41
	EA			18" x 12" x 6" Hinged Cover, Galvanized Steel NEMA 1 Enclosure	209.94	64.34
	EA			18" x 18" x 6" Hinged Cover, Galvanized Steel NEMA 1 Enclosure	273.05	83.01
	EA			24" x 18" x 6" Hinged Cover, Galvanized Steel NEMA 1 Enclosure	345.32	95.46
	EA			24" x 24" x 6" Hinged Cover, Galvanized Steel NEMA 1 Enclosure	392.12	103.76
	EA			30" x 24" x 6" Hinged Cover, Galvanized Steel NEMA 1 Enclosure	433.97	109.99
	EA			36" x 24" x 6" Hinged Cover, Galvanized Steel NEMA 1 Enclosure	470.63	114.13
26 27 16 00-0031				Screw Cover, Galvanized Steel NEMA 1 Enclosures (26 27 16 00-0001)		
26 27 16 00-0032				3" Depth, Screw Cover, Galvanized Steel NEMA 1 Enclosures (26 27 16 00-0031)		
	EA			4" x 4" x 3" Screw Cover, Galvanized Steel NEMA 1 Enclosure	45.44	14.53
	EA			6" x 6" x 3" Screw Cover, Galvanized Steel NEMA 1 Enclosure	64.96	20.75
	EA			8" x 6" x 3" Screw Cover, Galvanized Steel NEMA 1 Enclosure	72.47	22.83
26 27 16 00-0036				4" Depth, Screw Cover, Galvanized Steel NEMA 1 Enclosures (26 27 16 00-0031)		
	EA			4" x 4" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure	50.80	16.60
	EA			6" x 4" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure	62.98	20.75
	EA			6" x 6" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure	70.36	22.83
	EA			8" x 6" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure	77.86	24.90
	EA			8" x 8" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure	90.85	29.05
	EA			10" x 8" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure	98.72	31.13
	EA			10" x 10" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure	106.99	33.20
	EA			12" x 8" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure	106.68	33.20
	EA			12" x 10" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure	115.31	35.28
	EA			12" x 12" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure	124.20	37.36
	EA			16" x 12" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure	162.43	49.81
	EA			16" x 16" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure	201.26	62.25
	EA			18" x 12" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure	186.73	58.10
	EA			18" x 18" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure	241.89	74.70
	EA			24" x 24" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure	349.69	93.39
26 27 16 00-0052				6" Depth, Screw Cover, Galvanized Steel NEMA 1 Enclosures (26 27 16 00-0031)		
	EA			6" x 6" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure	78.30	24.90
	EA			8" x 6" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure	86.39	26.98
	EA			8" x 8" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure	99.58	31.13
	EA			10" x 8" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure	113.06	35.28
	EA			10" x 10" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure	121.81	37.36
	EA			12" x 10" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure	130.66	39.43
	EA			12" x 12" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure	139.87	41.50
	EA			16" x 12" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure	179.07	53.96
	EA			16" x 16" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure	220.01	66.41
	EA			18" x 12" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure	209.06	64.34
	EA			18" x 18" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure	271.85	83.01
	EA			24" x 18" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure	339.77	95.46
	EA			24" x 24" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure	389.57	103.76
	EA			30" x 24" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure	420.68	109.99
	EA			36" x 24" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure	460.35	114.13
26 27 16 00-0068				8" Depth, Screw Cover, Galvanized Steel NEMA 1 Enclosures (26 27 16 00-0031)		
	EA			8" x 8" x 8" Screw Cover, Galvanized Steel NEMA 1 Enclosure	113.06	35.28
	EA			12" x 12" x 8" Screw Cover, Galvanized Steel NEMA 1 Enclosure	154.30	45.65
	EA			16" x 12" x 8" Screw Cover, Galvanized Steel NEMA 1 Enclosure	196.15	58.10
	EA			16" x 16" x 8" Screw Cover, Galvanized Steel NEMA 1 Enclosure	243.44	72.63
	EA			18" x 12" x 8" Screw Cover, Galvanized Steel NEMA 1 Enclosure	232.65	70.56
	EA			18" x 18" x 8" Screw Cover, Galvanized Steel NEMA 1 Enclosure	288.20	87.16
	EA			24" x 12" x 8" Screw Cover, Galvanized Steel NEMA 1 Enclosure	321.34	99.61
	EA			24" x 18" x 8" Screw Cover, Galvanized Steel NEMA 1 Enclosure	373.00	105.84
	EA			24" x 24" x 8" Screw Cover, Galvanized Steel NEMA 1 Enclosure	429.60	114.13
	EA			30" x 24" x 8" Screw Cover, Galvanized Steel NEMA 1 Enclosure	457.14	120.37
	EA			30" x 30" x 8" Screw Cover, Galvanized Steel NEMA 1 Enclosure	480.33	124.51
	EA			36" x 24" x 8" Screw Cover, Galvanized Steel NEMA 1 Enclosure	493.15	124.51
26 27 16 00-0081				10" Depth, Screw Cover, Galvanized Steel NEMA 1 Enclosures (26 27 16 00-0031)		
	EA			18" x 12" x 10" Screw Cover, Galvanized Steel NEMA 1 Enclosure	264.06	78.86

26	Electrical
26 20	Low-Voltage Electrical Distribution
26 27	Low-Voltage Distribution Equipment



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 27 16 00-0083 EA 18" x 18" x 10" Screw Cover, Galvanized Steel NEMA 1 Enclosure	347.60	101.68
26 27 16 00-0084 EA 24" x 12" x 10" Screw Cover, Galvanized Steel NEMA 1 Enclosure	351.69	107.91
26 27 16 00-0085 EA 24" x 18" x 10" Screw Cover, Galvanized Steel NEMA 1 Enclosure	456.99	116.21
26 27 16 00-0086 EA 24" x 24" x 10" Screw Cover, Galvanized Steel NEMA 1 Enclosure	526.08	128.66
26 27 16 00-0087 EA 30" x 24" x 10" Screw Cover, Galvanized Steel NEMA 1 Enclosure	584.13	132.81
26 27 16 00-0088 EA 36" x 24" x 10" Screw Cover, Galvanized Steel NEMA 1 Enclosure	623.20	139.04
26 27 16 00-0089 12" Depth, Screw Cover, Galvanized Steel NEMA 1 Enclosures (26 27 16 00-0031)		
26 27 16 00-0090 EA 18" x 18" x 12" Screw Cover, Galvanized Steel NEMA 1 Enclosure	383.76	112.06
26 27 16 00-0091 EA 24" x 12" x 12" Screw Cover, Galvanized Steel NEMA 1 Enclosure	382.01	118.28
26 27 16 00-0092 EA 24" x 18" x 12" Screw Cover, Galvanized Steel NEMA 1 Enclosure	502.43	128.66
26 27 16 00-0093 EA 24" x 24" x 12" Screw Cover, Galvanized Steel NEMA 1 Enclosure	574.22	141.11
26 27 16 00-0094 EA 30" x 24" x 12" Screw Cover, Galvanized Steel NEMA 1 Enclosure	644.69	147.33
26 27 16 00-0095 EA 36" x 24" x 12" Screw Cover, Galvanized Steel NEMA 1 Enclosure	680.03	153.56
26 27 16 00-0096 NEMA 12 Enclosures (26 27 16)		
Note: Dust-tight enclosures.		
26 27 16 00-0097 Hinged Cover, Galvanized Steel NEMA 12 Enclosures (26 27 16 00-0096)		
26 27 16 00-0098 4" Depth, Hinged Cover, Galvanized Steel NEMA 12 Enclosures (26 27 16 00-0097)		
26 27 16 00-0099 EA 4" x 4" x 4" Hinged Cover, Galvanized Steel NEMA 12 Enclosure	84.01	16.60
26 27 16 00-0100 EA 6" x 6" x 4" Hinged Cover, Galvanized Steel NEMA 12 Enclosure	109.94	22.83
26 27 16 00-0101 EA 8" x 8" x 4" Hinged Cover, Galvanized Steel NEMA 12 Enclosure	136.37	29.05
26 27 16 00-0102 EA 10" x 8" x 4" Hinged Cover, Galvanized Steel NEMA 12 Enclosure	147.50	31.13
26 27 16 00-0103 EA 12" x 6" x 4" Hinged Cover, Galvanized Steel NEMA 12 Enclosure	164.81	33.20
26 27 16 00-0104 EA 12" x 10" x 4" Hinged Cover, Galvanized Steel NEMA 12 Enclosure	177.32	35.28
26 27 16 00-0105 6" Depth, Hinged Cover, Galvanized Steel NEMA 12 Enclosures (26 27 16 00-0097)		
26 27 16 00-0106 EA 6" x 6" x 6" Hinged Cover, Galvanized Steel NEMA 12 Enclosure	121.86	24.90
26 27 16 00-0107 EA 8" x 6" x 6" Hinged Cover, Galvanized Steel NEMA 12 Enclosure	134.06	26.98
26 27 16 00-0108 Screw Cover, Galvanized Steel NEMA 12 Enclosures (26 27 16 00-0096)		
26 27 16 00-0109 4" Depth, Screw Cover, Galvanized Steel NEMA 12 Enclosures (26 27 16 00-0108)		
26 27 16 00-0110 EA 4" x 4" x 4" Screw Cover, Galvanized Steel NEMA 12 Enclosure	89.15	16.60
26 27 16 00-0111 EA 6" x 6" x 4" Screw Cover, Galvanized Steel NEMA 12 Enclosure	111.83	22.83
26 27 16 00-0112 EA 8" x 6" x 4" Screw Cover, Galvanized Steel NEMA 12 Enclosure	124.92	24.90
26 27 16 00-0113 EA 8" x 8" x 4" Screw Cover, Galvanized Steel NEMA 12 Enclosure	143.87	29.05
26 27 16 00-0114 EA 10" x 8" x 4" Screw Cover, Galvanized Steel NEMA 12 Enclosure	150.07	31.13
26 27 16 00-0115 EA 10" x 10" x 4" Screw Cover, Galvanized Steel NEMA 12 Enclosure	171.27	33.20
26 27 16 00-0116 EA 12" x 10" x 4" Screw Cover, Galvanized Steel NEMA 12 Enclosure	183.27	35.28
26 27 16 00-0117 EA 12" x 12" x 4" Screw Cover, Galvanized Steel NEMA 12 Enclosure	203.88	37.36
26 27 16 00-0118 6" Depth, Screw Cover, Galvanized Steel NEMA 12 Enclosures (26 27 16 00-0108)		
26 27 16 00-0119 EA 6" x 6" x 6" Screw Cover, Galvanized Steel NEMA 12 Enclosure	131.30	24.90
26 27 16 00-0120 EA 8" x 6" x 6" Screw Cover, Galvanized Steel NEMA 12 Enclosure	146.47	26.98
26 27 16 00-0121 EA 8" x 8" x 6" Screw Cover, Galvanized Steel NEMA 12 Enclosure	162.54	31.13
26 27 16 00-0122 EA 10" x 10" x 6" Screw Cover, Galvanized Steel NEMA 12 Enclosure	193.15	37.36
26 27 16 00-0123 EA 12" x 12" x 6" Screw Cover, Galvanized Steel NEMA 12 Enclosure	211.33	41.50
26 27 16 00-0124 EA 16" x 14" x 6" Screw Cover, Galvanized Steel NEMA 12 Enclosure	287.30	53.96
26 27 16 00-0125 EA 18" x 18" x 6" Screw Cover, Galvanized Steel NEMA 12 Enclosure	444.20	83.01
26 27 16 00-0126 EA 24" x 16" x 6" Screw Cover, Galvanized Steel NEMA 12 Enclosure	559.61	95.46
26 27 16 00-0127 EA 24" x 24" x 6" Screw Cover, Galvanized Steel NEMA 12 Enclosure	624.45	103.76
26 27 16 00-0128 8" Depth, Screw Cover, Galvanized Steel NEMA 12 Enclosures (26 27 16 00-0108)		
26 27 16 00-0129 EA 24" x 18" x 8" Screw Cover, Galvanized Steel NEMA 12 Enclosure	594.06	105.84
26 27 16 00-0130 EA 24" x 24" x 8" Screw Cover, Galvanized Steel NEMA 12 Enclosure	671.50	114.13
26 27 16 00-0131 EA 30" x 24" x 8" Screw Cover, Galvanized Steel NEMA 12 Enclosure	729.59	120.37
26 27 16 00-0132 EA 30" x 30" x 8" Screw Cover, Galvanized Steel NEMA 12 Enclosure	790.68	124.51
26 27 16 00-0133 EA 36" x 24" x 8" Screw Cover, Galvanized Steel NEMA 12 Enclosure	782.67	124.51
26 27 16 00-0134 Double Door, Floor Mounted, Galvanized Steel NEMA 12 Enclosures (26 27 16 00-0096)		
26 27 16 00-0135 8" Depth, Double Door, Floor Mounted, Galvanized Steel NEMA 12 Enclosures (26 27 16 00-0134)		
26 27 16 00-0136 EA 60" x 48" x 8" Double Door, Floor Mounted, Galvanized Steel NEMA 12 Enclosure	2,060.72	168.61
26 27 16 00-0137 10" Depth, Double Door, Floor Mounted, Galvanized Steel NEMA 12 Enclosures (26 27 16 00-0134)		
26 27 16 00-0138 EA 60" x 48" x 10" Double Door, Floor Mounted, Galvanized Steel NEMA 12 Enclosure	2,102.84	186.76
26 27 16 00-0139 EA 60" x 60" x 10" Double Door, Floor Mounted, Galvanized Steel NEMA 12 Enclosure	2,392.72	199.74



Electrical	26	26
Low-Voltage Electrical Distribution	26 20	
Low-Voltage Distribution Equipment	26 27	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 27 16 00-0140 EA 72" x 60" x 10" Double Door, Floor Mounted, Galvanized Steel NEMA 12 Enclosure	2,778.40	249.03
26 27 16 00-0141 EA 72" x 72" x 10" Double Door, Floor Mounted, Galvanized Steel NEMA 12 Enclosure	3,123.30	293.63
26 27 16 00-0142 12" Depth, Double Door, Floor Mounted, Galvanized Steel NEMA 12 Enclosures <small>(26 27 16 00-0134)</small>		
26 27 16 00-0143 EA 60" x 48" x 12" Double Door, Floor Mounted, Galvanized Steel NEMA 12 Enclosure	2,369.54	293.63
26 27 16 00-0144 EA 60" x 60" x 12" Double Door, Floor Mounted, Galvanized Steel NEMA 12 Enclosure	2,619.94	311.28
26 27 16 00-0145 EA 72" x 60" x 12" Double Door, Floor Mounted, Galvanized Steel NEMA 12 Enclosure	2,946.91	332.03
26 27 16 00-0146 EA 72" x 72" x 12" Double Door, Floor Mounted, Galvanized Steel NEMA 12 Enclosure	3,205.87	332.03
26 27 16 00-0147 NEMA 3 Enclosures <small>(26 27 16)</small>		
Note: Can be used underground or encased in concrete.		
26 27 16 00-0148 2" Depth, Screw Cover, Galvanized Cast Iron NEMA 3 Enclosures <small>(26 27 16 00-0147)</small>		
26 27 16 00-0149 EA 4" x 4" x 2" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	242.60	72.63
26 27 16 00-0150 3" Depth, Screw Cover, Galvanized Cast Iron NEMA 3 Enclosures <small>(26 27 16 00-0147)</small>		
26 27 16 00-0151 EA 4" x 4" x 3" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	258.00	72.63
26 27 16 00-0152 EA 5" x 5" x 3" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	321.51	75.22
26 27 16 00-0153 EA 6" x 4" x 3" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	331.99	75.22
26 27 16 00-0154 EA 6" x 6" x 3" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	409.33	77.82
26 27 16 00-0155 4" Depth, Screw Cover, Galvanized Cast Iron NEMA 3 Enclosures <small>(26 27 16 00-0147)</small>		
26 27 16 00-0156 EA 4" x 4" x 4" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	318.67	75.22
26 27 16 00-0157 EA 5" x 5" x 4" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	346.08	75.22
26 27 16 00-0158 EA 6" x 4" x 4" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	360.48	77.82
26 27 16 00-0159 EA 6" x 6" x 4" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	444.67	77.82
26 27 16 00-0160 EA 8" x 6" x 4" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	487.64	83.01
26 27 16 00-0161 EA 8" x 8" x 4" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	524.37	88.20
26 27 16 00-0162 EA 10" x 6" x 4" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	544.39	88.20
26 27 16 00-0163 EA 10" x 8" x 4" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	640.83	90.79
26 27 16 00-0164 EA 12" x 6" x 4" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	692.85	93.39
26 27 16 00-0165 EA 12" x 12" x 4" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	937.46	103.76
26 27 16 00-0166 6" Depth, Screw Cover, Galvanized Cast Iron NEMA 3 Enclosures <small>(26 27 16 00-0147)</small>		
26 27 16 00-0167 EA 6" x 6" x 6" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	468.81	80.41
26 27 16 00-0168 EA 8" x 6" x 6" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	585.92	90.79
26 27 16 00-0169 EA 8" x 8" x 6" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	680.54	93.39
26 27 16 00-0170 EA 10" x 8" x 6" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	778.94	95.98
26 27 16 00-0171 EA 10" x 10" x 6" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	826.16	95.98
26 27 16 00-0172 EA 12" x 8" x 6" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	937.21	103.76
26 27 16 00-0173 EA 12" x 12" x 6" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	1,082.58	116.73
26 27 16 00-0174 EA 16" x 6" x 6" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	1,020.81	111.54
26 27 16 00-0175 EA 18" x 12" x 6" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	1,980.40	207.52
26 27 16 00-0176 EA 18" x 18" x 6" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	3,385.28	259.39
26 27 16 00-0177 8" Depth, Screw Cover, Galvanized Cast Iron NEMA 3 Enclosures <small>(26 27 16 00-0147)</small>		
26 27 16 00-0178 EA 8" x 8" x 8" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	834.73	98.57
26 27 16 00-0179 EA 12" x 8" x 8" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	1,246.80	129.70
26 27 16 00-0180 EA 12" x 12" x 8" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	1,266.09	129.70
26 27 16 00-0181 EA 16" x 12" x 8" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	1,723.88	194.55
26 27 16 00-0182 EA 18" x 12" x 8" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	2,248.31	207.52
26 27 16 00-0183 EA 24" x 24" x 8" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	5,630.85	363.16
26 27 16 00-0184 10" Depth, Screw Cover, Galvanized Cast Iron NEMA 3 Enclosures <small>(26 27 16 00-0147)</small>		
26 27 16 00-0185 EA 18" x 12" x 10" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	2,989.99	259.39
26 27 16 00-0186 12" Depth, Screw Cover, Galvanized Cast Iron NEMA 3 Enclosures <small>(26 27 16 00-0147)</small>		
26 27 16 00-0187 EA 18" x 18" x 12" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	4,558.64	311.28
26 27 16 00-0188 EA 24" x 12" x 12" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	3,762.36	285.34
26 27 16 00-0189 NEMA 3R Enclosures <small>(26 27 16)</small>		
Note: Rain-tight enclosures.		
26 27 16 00-0190 Hinged Cover, Galvanized Steel NEMA 3R Enclosures <small>(26 27 16 00-0189)</small>		
26 27 16 00-0191 4" Depth, Hinged Cover, Galvanized Steel NEMA 3R Enclosures <small>(26 27 16 00-0190)</small>		
26 27 16 00-0192 EA 6" x 4" x 4" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	73.83	20.75
26 27 16 00-0193 EA 6" x 6" x 4" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	81.44	22.83
26 27 16 00-0194 EA 8" x 6" x 4" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	107.20	22.83

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 27 Low-Voltage Distribution Equipment**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 27 16 00-0195 6" Depth, Hinged Cover, Galvanized Steel NEMA 3R Enclosures (26 27 16 00-0190)		
26 27 16 00-0196 EA 8" x 8" x 6" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	141.27	31.13
26 27 16 00-0197 EA 10" x 8" x 6" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	158.32	35.28
26 27 16 00-0198 EA 12" x 10" x 6" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	183.96	39.43
26 27 16 00-0199 EA 12" x 12" x 6" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	197.84	41.50
26 27 16 00-0200 EA 16" x 12" x 6" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	257.51	53.96
26 27 16 00-0201 EA 16" x 16" x 6" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	309.67	66.41
26 27 16 00-0202 EA 18" x 18" x 6" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	360.27	83.01
26 27 16 00-0203 8" Depth, Hinged Cover, Galvanized Steel NEMA 3R Enclosures (26 27 16 00-0190)		
26 27 16 00-0204 EA 24" x 20" x 8" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	528.61	105.84
26 27 16 00-0205 EA 24" x 24" x 8" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	583.29	114.13
26 27 16 00-0206 EA 30" x 24" x 8" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	649.16	120.37
26 27 16 00-0207 EA 30" x 30" x 8" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	680.88	124.51
26 27 16 00-0208 10" Depth, Hinged Cover, Galvanized Steel NEMA 3R Enclosures (26 27 16 00-0190)		
26 27 16 00-0209 EA 12" x 48" x 10" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	653.12	128.66
26 27 16 00-0210 EA 12" x 54" x 10" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	737.71	145.26
26 27 16 00-0211 EA 12" x 60" x 10" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	816.91	160.83
26 27 16 00-0212 EA 12" x 66" x 10" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	899.42	177.43
26 27 16 00-0213 EA 12" x 72" x 10" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	979.66	192.99
26 27 16 00-0214 EA 18" x 18" x 10" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	441.61	101.68
26 27 16 00-0215 EA 24" x 24" x 10" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	653.12	128.66
26 27 16 00-0216 EA 30" x 24" x 10" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	755.41	132.81
26 27 16 00-0217 EA 36" x 36" x 10" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	935.32	145.26
26 27 16 00-0218 12" Depth, Hinged Cover, Galvanized Steel NEMA 3R Enclosures (26 27 16 00-0190)		
26 27 16 00-0219 EA 12" x 48" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	613.08	102.72
26 27 16 00-0220 EA 12" x 54" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	687.84	115.18
26 27 16 00-0221 EA 12" x 60" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	761.57	127.63
26 27 16 00-0222 EA 12" x 66" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	841.66	141.11
26 27 16 00-0223 EA 12" x 72" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	916.43	153.56
26 27 16 00-0224 EA 18" x 24" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	458.21	76.78
26 27 16 00-0225 EA 18" x 32" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	613.08	102.72
26 27 16 00-0226 EA 18" x 36" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	687.84	115.18
26 27 16 00-0227 EA 18" x 42" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	804.80	134.89
26 27 16 00-0228 EA 18" x 48" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	916.43	153.56
26 27 16 00-0229 EA 30" x 30" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	876.08	151.49
26 27 16 00-0230 EA 36" x 24" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	916.43	153.56
26 27 16 00-0231 EA 36" x 30" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	961.63	157.71
26 27 16 00-0232 EA 36" x 36" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	1,062.32	166.02
26 27 16 00-0233 EA 42" x 30" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	1,146.92	174.31
26 27 16 00-0234 Screw Cover, Galvanized Steel NEMA 3R Enclosures (26 27 16 00-0189)		
26 27 16 00-0235 4" Depth, Screw Cover, Galvanized Steel NEMA 3R Enclosures (26 27 16 00-0234)		
26 27 16 00-0236 EA 4" x 4" x 4" Screw Cover, Galvanized Steel NEMA 3R Enclosure.....	58.66	16.60
26 27 16 00-0237 EA 6" x 4" x 4" Screw Cover, Galvanized Steel NEMA 3R Enclosure.....	71.20	20.75
26 27 16 00-0238 EA 6" x 6" x 4" Screw Cover, Galvanized Steel NEMA 3R Enclosure.....	78.58	22.83
26 27 16 00-0239 EA 8" x 6" x 4" Screw Cover, Galvanized Steel NEMA 3R Enclosure.....	86.96	24.90
26 27 16 00-0240 EA 8" x 8" x 4" Screw Cover, Galvanized Steel NEMA 3R Enclosure.....	101.04	29.05
26 27 16 00-0241 EA 10" x 8" x 4" Screw Cover, Galvanized Steel NEMA 3R Enclosure.....	109.91	31.13
26 27 16 00-0242 EA 10" x 10" x 4" Screw Cover, Galvanized Steel NEMA 3R Enclosure.....	119.48	33.20
26 27 16 00-0243 EA 12" x 8" x 4" Screw Cover, Galvanized Steel NEMA 3R Enclosure.....	119.01	33.20
26 27 16 00-0244 EA 12" x 10" x 4" Screw Cover, Galvanized Steel NEMA 3R Enclosure.....	129.67	35.28
26 27 16 00-0245 EA 12" x 12" x 4" Screw Cover, Galvanized Steel NEMA 3R Enclosure.....	139.24	37.36
26 27 16 00-0246 EA 18" x 12" x 4" Screw Cover, Galvanized Steel NEMA 3R Enclosure.....	211.03	58.10
26 27 16 00-0247 EA 18" x 18" x 4" Screw Cover, Galvanized Steel NEMA 3R Enclosure.....	280.36	74.70
26 27 16 00-0248 6" Depth, Screw Cover, Galvanized Steel NEMA 3R Enclosures (26 27 16 00-0234)		
26 27 16 00-0249 EA 6" x 6" x 6" Screw Cover, Galvanized Steel NEMA 3R Enclosure.....	82.27	24.90
26 27 16 00-0250 EA 8" x 8" x 6" Screw Cover, Galvanized Steel NEMA 3R Enclosure.....	111.18	31.13
26 27 16 00-0251 EA 10" x 8" x 6" Screw Cover, Galvanized Steel NEMA 3R Enclosure.....	125.95	35.28
26 27 16 00-0252 EA 10" x 10" x 6" Screw Cover, Galvanized Steel NEMA 3R Enclosure.....	136.17	37.36
26 27 16 00-0253 EA 12" x 8" x 6" Screw Cover, Galvanized Steel NEMA 3R Enclosure.....	135.48	37.36
26 27 16 00-0254 EA 12" x 10" x 6" Screw Cover, Galvanized Steel NEMA 3R Enclosure.....	146.25	39.43
26 27 16 00-0255 EA 12" x 12" x 6" Screw Cover, Galvanized Steel NEMA 3R Enclosure.....	157.12	41.50
26 27 16 00-0256 EA 16" x 12" x 6" Screw Cover, Galvanized Steel NEMA 3R Enclosure.....	204.98	53.96
26 27 16 00-0257 EA 18" x 12" x 6" Screw Cover, Galvanized Steel NEMA 3R Enclosure.....	236.84	64.34
26 27 16 00-0258 EA 18" x 18" x 6" Screw Cover, Galvanized Steel NEMA 3R Enclosure.....	314.92	83.01
26 27 16 00-0259 EA 24" x 12" x 6" Screw Cover, Galvanized Steel NEMA 3R Enclosure.....	329.75	89.23
26 27 16 00-0260 EA 24" x 18" x 6" Screw Cover, Galvanized Steel NEMA 3R Enclosure.....	374.38	95.46
26 27 16 00-0261 EA 24" x 24" x 6" Screw Cover, Galvanized Steel NEMA 3R Enclosure.....	420.23	103.76



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 27 16 00-0262				8" Depth, Screw Cover, Galvanized Steel NEMA 3R Enclosures <small>(26 27 16 00-0234)</small>		
	EA			12" x 12" x 8" Screw Cover, Galvanized Steel NEMA 3R Enclosure	175.55	45.65
	EA			18" x 12" x 8" Screw Cover, Galvanized Steel NEMA 3R Enclosure	255.98	70.56
	EA			18" x 18" x 8" Screw Cover, Galvanized Steel NEMA 3R Enclosure	348.23	91.30
	EA			24" x 18" x 8" Screw Cover, Galvanized Steel NEMA 3R Enclosure	414.33	105.84
	EA			24" x 24" x 8" Screw Cover, Galvanized Steel NEMA 3R Enclosure	466.63	114.13
	EA			30" x 24" x 8" Screw Cover, Galvanized Steel NEMA 3R Enclosure	515.92	120.37
26 27 16 00-0269				10" Depth, Screw Cover, Galvanized Steel NEMA 3R Enclosures <small>(26 27 16 00-0234)</small>		
	EA			18" x 18" x 10" Screw Cover, Galvanized Steel NEMA 3R Enclosure	384.54	101.68
	EA			24" x 24" x 10" Screw Cover, Galvanized Steel NEMA 3R Enclosure	514.34	128.66
	EA			30" x 24" x 10" Screw Cover, Galvanized Steel NEMA 3R Enclosure	561.06	132.81
26 27 16 00-0273				12" Depth, Screw Cover, Galvanized Steel NEMA 3R Enclosures <small>(26 27 16 00-0234)</small>		
	EA			24" x 24" x 12" Screw Cover, Galvanized Steel NEMA 3R Enclosure	567.80	141.11
	EA			30" x 30" x 12" Screw Cover, Galvanized Steel NEMA 3R Enclosure	774.29	153.56
	EA			36" x 30" x 12" Screw Cover, Galvanized Steel NEMA 3R Enclosure	799.85	157.71
	EA			36" x 36" x 12" Screw Cover, Galvanized Steel NEMA 3R Enclosure	928.36	166.02
26 27 16 00-0278				NEMA 4 Enclosures <small>(26 27 16)</small>		
				Note: Water-tight enclosures.		
26 27 16 00-0279				Hinge Cover, Painted Steel NEMA 4 Enclosures <small>(26 27 16 00-0278)</small>		
	EA			4" x 4" x 3" Hinge Cover, Painted Steel NEMA 4 Enclosure	94.57	14.53
	EA			6" x 4" x 3" Hinge Cover, Painted Steel NEMA 4 Enclosure	110.51	17.64
	EA			8" x 6" x 3.5" Hinge Cover, Painted Steel NEMA 4 Enclosure	138.24	22.83
	EA			6" x 6" x 4" Hinge Cover, Painted Steel NEMA 4 Enclosure	131.62	22.83
	EA			10" x 8" x 4" Hinge Cover, Painted Steel NEMA 4 Enclosure	175.96	31.13
	EA			12" x 10" x 5" Hinge Cover, Painted Steel NEMA 4 Enclosure	219.11	37.36
	EA			10" x 8" x 6" Hinge Cover, Painted Steel NEMA 4 Enclosure	202.47	35.28
	EA			12" x 12" x 6" Hinge Cover, Painted Steel NEMA 4 Enclosure	236.07	41.50
	EA			14" x 12" x 6" Hinge Cover, Painted Steel NEMA 4 Enclosure	277.68	47.73
	EA			16" x 14" x 6" Hinge Cover, Painted Steel NEMA 4 Enclosure	336.78	60.18
26 27 16 00-0290				Clamp Cover, Painted Steel NEMA 4 Enclosures <small>(26 27 16 00-0278)</small>		
	EA			4" x 4" x 3" Clamp Cover, Painted Steel NEMA 4 Enclosure	86.88	14.53
	EA			6" x 6" x 4" Clamp Cover, Painted Steel NEMA 4 Enclosure	123.95	22.83
26 27 16 00-0293				Screw Cover, Fiberglass NEMA 4 Or 4x Enclosures <small>(26 27 16 00-0278)</small>		
	EA			6" x 6" x 4" Screw Cover, Fiberglass NEMA 4 Or 4x Enclosure	109.24	19.93
	EA			8" x 6" x 4" Screw Cover, Fiberglass NEMA 4 Or 4x Enclosure	116.08	21.58
	EA			10" x 8" x 6" Screw Cover, Fiberglass NEMA 4 Or 4x Enclosure	142.63	28.22
	EA			12" x 10" x 6" Screw Cover, Fiberglass NEMA 4 Or 4x Enclosure	166.65	31.13
	EA			14" x 12" x 8" Screw Cover, Fiberglass NEMA 4 Enclosure	215.40	39.43
	EA			16" x 14" x 8" Screw Cover, Fiberglass NEMA 4 Enclosure	251.83	46.69
	EA			18" x 16" x 10" Screw Cover, Fiberglass NEMA 4 Enclosure	355.31	74.70
26 27 16 00-0301				NEMA 4X Enclosures <small>(26 27 16)</small>		
				Note: Water-tight enclosures.		
26 27 16 00-0302				Clamp Cover, Aluminum NEMA 4X Enclosures <small>(26 27 16 00-0301)</small>		
	EA			6" x 4" x 3" Clamp Cover, Aluminum NEMA 4X Enclosure	187.38	16.60
	EA			6" x 6" x 4" Clamp Cover, Aluminum NEMA 4X Enclosure	221.14	22.83
	EA			10" x 8" x 4" Clamp Cover, Aluminum NEMA 4X Enclosure	280.46	31.13
	EA			12" x 10" x 5" Clamp Cover, Aluminum NEMA 4X Enclosure	340.45	37.36
	EA			14" x 12" x 6" Clamp Cover, Aluminum NEMA 4X Enclosure	419.84	47.73
	EA			16" x 14" x 6" Clamp Cover, Aluminum NEMA 4X Enclosure	496.05	60.18
26 27 16 00-0309				Clamp Cover, 304 Stainless Steel NEMA 4X Enclosures <small>(26 27 16 00-0301)</small>		
	EA			4" x 4" x 3" Clamp Cover, 304 Stainless Steel NEMA 4X Enclosure	168.62	14.53
				<i>For 316L Stainless Steel, Add</i>	35.72	
	EA			6" x 4" x 4" Clamp Cover, 304 Stainless Steel NEMA 4X Enclosure	221.18	20.75
				<i>For 316L Stainless Steel, Add</i>	45.71	
	EA			6" x 6" x 4" Clamp Cover, 304 Stainless Steel NEMA 4X Enclosure	249.94	22.83
				<i>For 316L Stainless Steel, Add</i>	52.07	
	EA			8" x 6" x 4" Clamp Cover, 304 Stainless Steel NEMA 4X Enclosure	284.83	24.90
				<i>For 316L Stainless Steel, Add</i>	60.10	
	EA			10" x 8" x 4" Clamp Cover, 304 Stainless Steel NEMA 4X Enclosure	350.37	31.13
				<i>For 316L Stainless Steel, Add</i>	73.59	
	EA			12" x 10" x 6" Clamp Cover, 304 Stainless Steel NEMA 4X Enclosure	488.45	39.43
				<i>For 316L Stainless Steel, Add</i>	105.27	

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 27 Low-Voltage Distribution Equipment**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 27	16 00-0316	EA	14" x 12" x 6" Clamp Cover, 304 Stainless Steel NEMA 4X Enclosure..... <i>For 316L Stainless Steel, Add</i>	607.50 131.81	47.73
26 27	16 00-0317	EA	16" x 14" x 6" Clamp Cover, 304 Stainless Steel NEMA 4X Enclosure..... <i>For 316L Stainless Steel, Add</i>	735.02 157.83	60.18
26 27	16 00-0318		Screw Cover, Polycarbonate NEMA 4X Enclosures (26 27 16 00-0301) Note: NEMA 3R, 4, 4X and 12 rated.		
26 27	16 00-0319	EA	6" x 6" x 4" Screw Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover	98.43	22.83
26 27	16 00-0320	EA	8" x 6" x 4" Screw Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover	110.14	24.90
26 27	16 00-0321	EA	8" x 8" x 4" Screw Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover	126.51	29.05
26 27	16 00-0322	EA	10" x 8" x 4" Screw Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover	137.14	31.13
26 27	16 00-0323	EA	12" x 10" x 4" Screw Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover	157.86	35.28
26 27	16 00-0324	EA	10" x 8" x 6" Screw Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover	150.24	35.28
26 27	16 00-0325	EA	12" x 10" x 6" Screw Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover	173.64	39.43
26 27	16 00-0326	EA	14" x 12" x 6" Screw Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover	216.19	47.73
26 27	16 00-0327	EA	16" x 14" x 8" Screw Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover	279.88	65.37
26 27	16 00-0328	EA	18" x 16" x 10" Screw Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover	368.87	94.11
26 27	16 00-0329	EA	6" x 6" x 4" Screw Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover	104.42	22.83
26 27	16 00-0330	EA	8" x 6" x 4" Screw Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover	117.22	24.90
26 27	16 00-0331	EA	8" x 8" x 4" Screw Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover	134.13	29.05
26 27	16 00-0332	EA	10" x 8" x 4" Screw Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover	146.39	31.13
26 27	16 00-0333	EA	12" x 10" x 4" Screw Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover.....	167.66	35.28
26 27	16 00-0334	EA	10" x 8" x 6" Screw Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover	159.50	35.28
26 27	16 00-0335	EA	12" x 10" x 6" Screw Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover.....	186.19	39.43
26 27	16 00-0336	EA	14" x 12" x 6" Screw Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover.....	222.72	47.73
26 27	16 00-0337	EA	16" x 14" x 8" Screw Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover.....	293.49	65.37
26 27	16 00-0338	EA	18" x 16" x 10" Screw Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover.....	383.56	94.11
26 27	16 00-0339		Hinged Cover, Polycarbonate NEMA 4X Enclosures (26 27 16 00-0301) Note: NEMA 3R, 4, 4X and 12 rated.		
26 27	16 00-0340	EA	6" x 6" x 4" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover.....	115.31	22.83
26 27	16 00-0341	EA	8" x 6" x 4" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover.....	123.75	24.90
26 27	16 00-0342	EA	8" x 8" x 4" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover.....	141.20	29.05
26 27	16 00-0343	EA	10" x 8" x 4" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover.....	152.38	31.13
26 27	16 00-0344	EA	12" x 10" x 4" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover.....	179.09	35.28
26 27	16 00-0345	EA	10" x 8" x 6" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover.....	167.12	35.28
26 27	16 00-0346	EA	12" x 10" x 6" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover.....	201.97	39.43
26 27	16 00-0347	EA	14" x 12" x 6" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover.....	240.69	47.73
26 27	16 00-0348	EA	16" x 14" x 8" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover.....	301.11	65.37
26 27	16 00-0349	EA	18" x 16" x 10" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover.....	396.62	94.11
26 27	16 00-0350	EA	6" x 6" x 4" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover.....	119.66	22.83
26 27	16 00-0351	EA	8" x 6" x 4" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover.....	131.91	24.90
26 27	16 00-0352	EA	8" x 8" x 4" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover.....	148.82	29.05
26 27	16 00-0353	EA	10" x 8" x 4" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover.....	160.54	31.13
26 27	16 00-0354	EA	12" x 10" x 4" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover.....	189.97	35.28
26 27	16 00-0355	EA	10" x 8" x 6" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover.....	176.36	35.28
26 27	16 00-0356	EA	12" x 10" x 6" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover.....	213.40	39.43
26 27	16 00-0357	EA	14" x 12" x 6" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover.....	246.13	47.73
26 27	16 00-0358	EA	16" x 14" x 8" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover.....	319.07	65.37
26 27	16 00-0359	EA	18" x 16" x 10" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover.....	415.67	94.11
26 27	16 00-0360		NEMA 7/9 Enclosures (26 27 16) Note: Nominal inside dimensions.		
26 27	16 00-0361		4" Depth, Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosures (26 27 16 00-0360)		
26 27	16 00-0362	EA	6" x 6" x 4" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure..... <i>For Mounting Pan, Add</i>	984.37 39.75	116.73
26 27	16 00-0363	EA	6" x 8" x 4" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure..... <i>For Mounting Pan, Add</i>	798.40 74.07	124.51
26 27	16 00-0364	EA	8" x 10" x 4" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure..... <i>For Mounting Pan, Add</i>	1,516.35 102.13	140.07
26 27	16 00-0365		6" Depth, Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosures (26 27 16 00-0360)		
26 27	16 00-0366	EA	8" x 8" x 6" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure..... <i>For Mounting Pan, Add</i>	1,355.04 51.93	140.07
26 27	16 00-0367	EA	8" x 10" x 6" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure..... <i>For Mounting Pan, Add</i>	1,749.16 102.13	143.97
26 27	16 00-0368	EA	8" x 12" x 6" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure..... <i>For Mounting Pan, Add</i>	1,793.29 78.13	155.64
26 27	16 00-0369	EA	10" x 10" x 6" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure..... <i>For Mounting Pan, Add</i>	1,838.63 91.41	155.64
26 27	16 00-0370	EA	10" x 14" x 6" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure..... <i>For Mounting Pan, Add</i>	2,588.64 119.92	194.55
26 27	16 00-0371	EA	12" x 12" x 6" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure..... <i>For Mounting Pan, Add</i>	2,436.84 74.88	175.09



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 27 16 00-0372 EA 12" x 18" x 6" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure <i>For Mounting Pan, Add</i>	2,526.56 112.04	194.55
26 27 16 00-0373 EA 12" x 24" x 6" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure <i>For Mounting Pan, Add</i>	3,924.11 150.73	350.19
26 27 16 00-0374 EA 14" x 14" x 6" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure <i>For Mounting Pan, Add</i>	3,096.60 146.76	233.46
26 27 16 00-0375 EA 16" x 16" x 6" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure <i>For Mounting Pan, Add</i>	4,099.37 134.74	389.10
26 27 16 00-0376 EA 18" x 18" x 6" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure <i>For Mounting Pan, Add</i>	4,880.05 219.04	389.10
26 27 16 00-0377 8" Depth, Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosures <small>(26 27 16 00-0360)</small>		
26 27 16 00-0378 EA 8" x 12" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure <i>For Mounting Pan, Add</i>	2,090.28 78.13	175.09
26 27 16 00-0379 EA 10" x 10" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure <i>For Mounting Pan, Add</i>	2,104.38 91.41	175.09
26 27 16 00-0380 EA 10" x 14" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure <i>For Mounting Pan, Add</i>	2,372.74 119.92	175.09
26 27 16 00-0381 EA 12" x 12" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure <i>For Mounting Pan, Add</i>	2,629.40 74.88	194.55
26 27 16 00-0382 EA 12" x 18" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure <i>For Mounting Pan, Add</i>	3,851.42 112.04	350.19
26 27 16 00-0383 EA 12" x 24" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure <i>For Mounting Pan, Add</i>	4,687.48 150.73	428.01
26 27 16 00-0384 EA 12" x 36" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure <i>For Mounting Pan, Add</i>	7,290.05 226.69	505.82
26 27 16 00-0385 EA 14" x 14" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure <i>For Mounting Pan, Add</i>	4,239.28 146.76	428.01
26 27 16 00-0386 EA 16" x 16" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure <i>For Mounting Pan, Add</i>	4,349.72 134.74	428.01
26 27 16 00-0387 EA 16" x 24" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure <i>For Mounting Pan, Add</i>	6,406.90 201.96	466.91
26 27 16 00-0388 EA 18" x 18" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure <i>For Mounting Pan, Add</i>	5,310.08 219.04	428.01
26 27 16 00-0389 EA 18" x 24" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure <i>For Mounting Pan, Add</i>	7,047.88 320.30	466.91
26 27 16 00-0390 EA 18" x 30" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure <i>For Mounting Pan, Add</i>	7,000.99 427.00	466.91
26 27 16 00-0391 EA 18" x 36" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure <i>For Mounting Pan, Add</i>	10,825.18 533.67	622.55
26 27 16 00-0392 EA 24" x 24" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure <i>For Mounting Pan, Add</i>	8,252.70 496.22	505.82
26 27 16 00-0393 EA 24" x 36" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure <i>For Mounting Pan, Add</i>	14,892.35 679.32	778.19
26 27 16 00-0394 10" Depth, Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosures <small>(26 27 16 00-0360)</small>		
26 27 16 00-0395 EA 12" x 36" x 10" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure <i>For Mounting Pan, Add</i>	7,574.15 226.69	505.82
26 27 16 00-0396 EA 16" x 24" x 10" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure <i>For Mounting Pan, Add</i>	6,972.76 201.96	466.91
26 27 16 00-0397 EA 18" x 24" x 10" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure <i>For Mounting Pan, Add</i>	7,595.29 320.30	505.82
26 27 16 00-0398 EA 18" x 36" x 10" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure <i>For Mounting Pan, Add</i>	9,553.82 533.67	544.73
26 27 16 00-0399 EA 24" x 24" x 10" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure <i>For Mounting Pan, Add</i>	8,480.80 496.22	544.73
26 27 16 00-0400 EA 24" x 36" x 10" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure <i>For Mounting Pan, Add</i>	16,193.83 679.32	778.19
26 27 16 00-0401 12" Depth, Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosures <small>(26 27 16 00-0360)</small>		
26 27 16 00-0402 EA 12" x 24" x 12" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure <i>For Mounting Pan, Add</i>	4,788.81 150.73	428.01
26 27 16 00-0403 Breaker Enclosures <small>(26 27 16)</small>		
See CSI section 26 24 16 00-0001 for lighting and power panel boards.		
26 27 16 00-0404 15 To 100 Amp, F-Frame Breaker Enclosures <small>(26 27 16 00-0403)</small>		
26 27 16 00-0405 EA NEMA 1, Painted Steel, 15 To 100 Amp, F-Frame Breaker Enclosure.....	343.68	83.01
26 27 16 00-0406 EA NEMA 3R, Painted Steel, 15 To 100 Amp, F-Frame Breaker Enclosure.....	636.02	83.01
26 27 16 00-0407 EA NEMA 3/3R/4/4X/5/12, Stainless Steel, 15 To 100 Amp, F-Frame Breaker Enclosure.....	1,573.40	114.13
26 27 16 00-0408 EA NEMA 7, Cast Aluminum, 15 To 100 Amp, F-Frame Breaker Enclosure.....	2,134.66	124.51
26 27 16 00-0409 EA NEMA 9, Cast Aluminum, 15 To 100 Amp, F-Frame Breaker Enclosure.....	1,554.68	124.51
26 27 16 00-0410 EA NEMA 12, Painted Steel, 15 To 100 Amp, F-Frame Breaker Enclosure.....	543.18	114.13

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 27 Low-Voltage Distribution Equipment**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 27 16 00-0411 15 To 250 Amp, H Or J-Frame Breaker Enclosures <small>(26 27 16 00-0403)</small>		
26 27 16 00-0412 EA NEMA 1, Painted Steel, 15 To 250 Amp, H Or J-Frame Breaker Enclosure.....	549.74	114.13
26 27 16 00-0413 EA NEMA 3R, Painted Steel, 15 To 250 Amp, H Or J-Frame Breaker Enclosure.....	1,017.88	114.13
26 27 16 00-0414 EA NEMA 3/3R/4/4X/5/12, Stainless Steel, 15 To 250 Amp, H Or J-Frame Breaker Enclosure.....	3,491.21	145.26
26 27 16 00-0415 EA NEMA 12, Painted Steel, 15 To 250 Amp, H Or J-Frame Breaker Enclosure.....	837.59	145.26
26 27 16 00-0416 125 To 400 Amp, L-Frame Breaker Enclosures <small>(26 27 16 00-0403)</small>		
26 27 16 00-0417 EA NEMA 1, Painted Steel, 125 To 400 Amp, L-Frame Breaker Enclosure.....	857.91	228.27
26 27 16 00-0418 EA NEMA 3R, Painted Steel, 125 To 400 Amp, L-Frame Breaker Enclosure.....	2,012.31	228.27
26 27 16 00-0419 EA NEMA 3/3R/4/4X/5/12, Stainless Steel, 125 To 400 Amp, L-Frame Breaker Enclosure.....	5,913.71	290.53
26 27 16 00-0420 EA NEMA 12, Painted Steel, 125 To 400 Amp, L-Frame Breaker Enclosure.....	1,429.78	290.53
26 27 16 00-0421 300 To 800 Amp, M-Frame Breaker Enclosures <small>(26 27 16 00-0403)</small>		
26 27 16 00-0422 EA NEMA 1, Painted Steel, 300 To 800 Amp, M-Frame Breaker Enclosure.....	1,680.97	435.79
26 27 16 00-0423 EA NEMA 3R, Painted Steel, 300 To 800 Amp, M-Frame Breaker Enclosure.....	2,901.09	435.79
26 27 16 00-0424 EA NEMA 3/3R/4/4X/5/12, Stainless Steel, 300 To 800 Amp, M-Frame Breaker Enclosure.....	10,638.01	560.30
26 27 16 00-0425 EA NEMA 12, Painted Steel, 300 To 800 Amp, M-Frame Breaker Enclosure.....	5,743.43	560.30
26 27 16 00-0426 250 To 1,200 Amp, P-Frame Breaker Enclosures <small>(26 27 16 00-0403)</small>		
26 27 16 00-0427 EA NEMA 1, Painted Steel, 250 To 1,200 Amp, P-Frame Breaker Enclosure.....	2,056.03	435.79
26 27 16 00-0428 EA NEMA 3R, Painted Steel, 250 To 1,200 Amp, P-Frame Breaker Enclosure.....	3,494.23	435.79
26 27 16 00-0429 EA NEMA 3R/5/12, Painted Steel, 250 To 1,200 Amp, P-Frame Breaker Enclosure.....	7,228.63	560.30
26 27 16 00-0430 Legend Plates <small>(26 27 16)</small>		
26 27 16 00-0431 EA 3" Phenolic Plastic Cabinet Legend Plate Engraved With 1/2" Letters.....	12.74	5.19
26 27 16 00-0432 EA 3" Engraved Aluminum Cabinet Legend Plate Engraved With 1/2" Letters.....	14.75	5.19
26 27 23 Indoor Service Poles <small>(26 27)</small>		
26 27 23 00-0001 Communication And Power Poles <small>(26 27 23)</small>		
Note: Includes separate compartments for power and communication cable. Includes removable cover plates with knock-outs for modular jacks and openings to accept modular furniture adapters for communication devices. Includes all necessary mounting plates and assemblies. Excludes electrical and communications wire, power outlets and communication devices. Wiremold Tele-Power Pole series.		
26 27 23 00-0002 Steel Communication And Power Poles <small>(26 27 23 00-0001)</small>		
26 27 23 00-0003 2-1/4" Width, Steel Communication And Power Poles <small>(26 27 23 00-0002)</small>		
26 27 23 00-0004 2-1/4" Width, Steel Communication And Power Poles <small>(26 27 23 00-0003)</small>		
26 27 23 00-0005 EA 2-1/4" x 2-5/16", 10'-5" Height, Enamel Finish, Steel Communication And Power Pole.....	233.97	46.00
26 27 23 00-0006 EA 2-1/4" x 2-5/16", 12'-5" Height, Enamel Finish, Steel Communication And Power Pole.....	252.41	46.00
26 27 23 00-0007 EA 2-1/4" x 2-5/16", 15'-5" Height, Enamel Finish, Steel Communication And Power Pole.....	273.74	46.00
26 27 23 00-0008 Additional Cover Plates For 2-1/4" Width, Steel Communication And Power Poles <small>(26 27 23 00-0003)</small>		
Note: Excludes receptacles, communication jacks and wiring.		
26 27 23 00-0009 EA Add-On Cover Plate For Two Duplex Receptacles And One Single Receptacle.....	40.45	9.49
26 27 23 00-0010 EA Add-On Cover Plate For Three Duplex Receptacles.....	42.11	9.49
26 27 23 00-0011 EA Add-On Cover Plate For Two Duplex Receptacles And One GFCI Receptacle.....	47.12	9.49
26 27 23 00-0012 EA Add-On Cover Plate For Data And A/V Modular Devices.....	36.00	9.49
26 27 23 00-0013 EA Add-On Radius Control Entrance End Fitting.....	30.39	9.49
26 27 23 00-0014 2-3/4" Width, Steel Communication And Power Poles <small>(26 27 23 00-0002)</small>		
26 27 23 00-0015 2-3/4" Width, Steel Communication And Power Poles <small>(26 27 23 00-0014)</small>		
26 27 23 00-0016 EA 2-3/4" x 1-17/32", 10'-5" Height, Enamel Finish, Steel Communication And Power Pole.....	297.21	46.00
26 27 23 00-0017 EA 2-3/4" x 1-17/32", 12'-5" Height, Enamel Finish, Steel Communication And Power Pole.....	336.84	46.00
26 27 23 00-0018 EA 2-3/4" x 1-17/32", 15'-5" Height, Enamel Finish, Steel Communication And Power Pole.....	358.23	46.00
26 27 23 00-0019 Additional Cover Plates For 2-3/4" Width, Steel Communication And Power Poles <small>(26 27 23 00-0014)</small>		
Note: Excludes receptacles and communication jacks.		
26 27 23 00-0020 EA Add-On Cover Plate For One Single Receptacle.....	33.52	9.49
26 27 23 00-0021 EA Add-On Cover Plate For One Duplex Receptacle.....	30.56	9.49
26 27 23 00-0022 EA Add-On Cover Plate For Data And A/V Modular Devices.....	32.68	9.49
26 27 23 00-0023 3" Width, Steel Communication And Power Poles <small>(26 27 23 00-0002)</small>		
26 27 23 00-0024 3" Width, Steel Communication And Power Poles <small>(26 27 23 00-0023)</small>		
26 27 23 00-0025 EA 3" x 2-3/4", 10'-5" Height, Enamel Finish, Steel Communication And Power Pole.....	381.20	46.00



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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 27 23 00-0026 EA 3" x 2-3/4", 12'-5" Height, Enamel Finish, Steel Communication And Power Pole.....	428.91	46.00
26 27 23 00-0027 EA 3" x 2-3/4", 15'-5" Height, Enamel Finish, Steel Communication And Power Pole.....	460.36	46.00
26 27 23 00-0028 Additional Cover Plates For 3" Width, Steel Communication And Power Poles <small>(26 27 23 00-0023)</small>		
Note: Excludes receptacles and communication jacks.		
26 27 23 00-0029 EA Add-On Cover Plate For One Single Receptacle.....	33.52	9.49
26 27 23 00-0030 EA Add-On Cover Plate For One Duplex Receptacle.....	30.56	9.49
26 27 23 00-0031 EA Add-On Cover Plate For Data And A/V Modular Devices.....	32.68	9.49
26 27 23 00-0032 Aluminum Communication And Power Poles <small>(26 27 23 00-0001)</small>		
26 27 23 00-0033 2-1/8" Width, Aluminum Communication And Power Poles <small>(26 27 23 00-0032)</small>		
26 27 23 00-0034 2-1/8" Width, Aluminum Communication And Power Poles <small>(26 27 23 00-0033)</small>		
26 27 23 00-0035 EA 2-1/8" x 2-3/8", 10'-5" Height, Satin Anodized Finish, Aluminum Communication And Power Pole.....	309.62	46.00
26 27 23 00-0036 EA 2-1/8" x 2-3/8", 12'-5" Height, Satin Anodized Finish, Aluminum Communication And Power Pole.....	342.98	46.00
26 27 23 00-0037 EA 2-1/8" x 2-3/8", 15'-5" Height, Satin Anodized Finish, Aluminum Communication And Power Pole.....	380.37	46.00
26 27 23 00-0038 Additional Cover Plates For 2-1/8" Width, Aluminum Communication And Power Poles <small>(26 27 23 00-0033)</small>		
26 27 23 00-0039 EA Add-On Cover Plate For Two Duplex Receptacles And One Single Receptacle.....	49.07	9.49
26 27 23 00-0040 EA Add-On Cover Plate For Three Duplex Receptacles.....	50.01	9.49
26 27 23 00-0041 EA Add-On Cover Plate For Two Duplex Receptacles And One GFCI Receptacle.....	53.14	9.49
26 27 23 00-0042 EA Add-On Cover Plate For Data And A/V Modular Devices.....	37.76	9.49
26 27 23 00-0043 EA Add-On Radius Control Entrance End Fitting.....	30.39	9.49
26 27 23 00-0044 2-1/4" Width, Aluminum Communication And Power Poles <small>(26 27 23 00-0032)</small>		
26 27 23 00-0045 EA 2-1/4" x 2-5/16", 10'-2" Height, Satin Anodized Finish, Aluminum Communication And Power Pole.....	299.20	46.00
26 27 23 00-0046 EA 2-1/4" x 2-5/16", 12'-8" Height, Satin Anodized Finish, Aluminum Communication And Power Pole.....	333.41	46.00
26 27 23 00-0047 EA 2-1/4" x 2-5/16", 15'-2" Height, Satin Anodized Finish, Aluminum Communication And Power Pole.....	373.72	46.00
26 27 23 00-0048 5" Width, Aluminum Communication And Power Poles <small>(26 27 23 00-0032)</small>		
26 27 23 00-0049 EA 5" x 4-3/4", 10'-2" Height, Satin Anodized Finish, Aluminum Communication And Power Pole.....	603.92	46.00
26 27 23 00-0050 EA 5" x 4-3/4", 12'-8" Height, Satin Anodized Finish, Aluminum Communication And Power Pole.....	687.83	46.00
26 27 23 00-0051 EA 5" x 4-3/4", 15'-2" Height, Satin Anodized Finish, Aluminum Communication And Power Pole.....	781.80	46.00
26 27 23 00-0052 2" Diameter, Round Aluminum Communication And Power Pole <small>(26 27 23 00-0032)</small>		
26 27 23 00-0053 EA 2" Diameter, 10'-4" Height, Satin Anodized Finish, Aluminum Communication And Power Pole.....	337.44	46.00
26 27 23 00-0054 EA 2" Diameter, 10'-4" Height, Painted White Finish, Aluminum Communication And Power Pole.....	320.53	46.00
26 27 23 00-0055 EA 2" Diameter, 10'-4" Height, Polished Anodized Finish, Aluminum Communication And Power Pole.....	404.92	46.00
26 27 26 Wiring Devices <small>(26 27)</small>		
Note: Includes device, installation, wire connections, support clips (where necessary) and testing. Assemblies include outlet device, cover plate, mounting and appropriate box.		
26 27 26 00-0001 Receptacles <small>(26 27 26)</small>		
26 27 26 00-0002 General Use Receptacles <small>(26 27 26 00-0001)</small>		
26 27 26 00-0003 Receptacle Assemblies <small>(26 27 26 00-0002)</small>		
Note: Includes 4" square steel box, bracket, mud ring, receptacle and cover plate.		
26 27 26 00-0004 EA 1 Gang, 15 Amp, NEMA 5-15, Duplex Receptacle Assembly.....	80.41	36.84
26 27 26 00-0005 EA 1 Gang, 20 Amp, NEMA 5-20, Duplex Receptacle Assembly.....	86.02	39.43
26 27 26 00-0006 EA 2 Gang, 15 Amp, NEMA 5-15, Duplex Receptacle Assembly.....	103.06	47.21
26 27 26 00-0007 EA 2 Gang, 20 Amp, NEMA 5-20, Duplex Receptacle Assembly.....	114.27	52.39
26 27 26 00-0008 EA 1 Gang, 15 Amp, GFI, Duplex Receptacle Assembly.....	86.09	36.84
26 27 26 00-0009 EA 1 Gang, 20 Amp, GFI, Duplex Receptacle Assembly.....	92.00	39.43
26 27 26 00-0010 Receptacle Components <small>(26 27 26 00-0002)</small>		
26 27 26 00-0011 EA 15 Amp, NEMA 5-15, Single Receptacle, 125 Volt, 1 Phase.....	22.30	10.38
26 27 26 00-0012 EA 15 Amp, NEMA 5-15, Duplex Receptacle, 125 Volt, 1 Phase.....	21.97	10.38
26 27 26 00-0013 EA 15 Amp, Single Receptacle, 120/277 Volt, 3 Wire.....	23.92	10.38
26 27 26 00-0014 EA 15 Amp, Duplex Receptacle, 120/277 Volt, 3 Wire.....	25.05	10.38
26 27 26 00-0015 EA 15 Amp, NEMA 6-15, Single Receptacle, 250 Volt, 1 Phase.....	31.68	12.97
26 27 26 00-0016 EA 15 Amp, NEMA 6-15, Duplex Receptacle, 250 Volt, 1 Phase.....	35.39	12.97
26 27 26 00-0017 EA 20 Amp, NEMA 5-20, Single Receptacle, 125 Volt, 1 Phase.....	22.74	10.38
26 27 26 00-0018 EA 20 Amp, NEMA 5-20, Duplex Receptacle, 125 Volt, 1 Phase.....	22.39	10.38
26 27 26 00-0019 EA 20 Amp, Single Receptacle, 120/277 Volt.....	27.48	10.38
26 27 26 00-0020 EA 20 Amp, Duplex Receptacle, 120/277 Volt.....	24.70	10.38
26 27 26 00-0021 EA 20 Amp, NEMA 6-20, Single Receptacle, 250 Volt, 1 Phase.....	31.68	12.97
26 27 26 00-0022 EA 20 Amp, NEMA 6-20, Duplex Receptacle, 250 Volt, 1 Phase.....	35.39	12.97
26 27 26 00-0023 EA 20 Amp, NEMA 14-20, Single Receptacle, 125/250 Volt, 1 Phase.....	47.29	12.97

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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 27 26 00-0024 EA 20 Amp, NEMA 15-20, Single Receptacle, 250 Volt, 3 Phase.....	47.29	12.97
26 27 26 00-0025 EA 25 Amp, Duplex Receptacle, 120/277 Volt.....	44.84	15.57
26 27 26 00-0026 Specialty Receptacles (26 27 26 00-0001)		
26 27 26 00-0027 Specialty Receptacles (26 27 26 00-0026)		
26 27 26 00-0028 EA 30 Amp, NEMA 5-30, Single Receptacle, 125 Volt, 1 Phase.....	44.73	18.16
26 27 26 00-0029 EA 30 Amp, NEMA 6-30, Single Receptacle, 250 Volt, 1 Phase.....	44.73	18.16
26 27 26 00-0030 EA 30 Amp, NEMA 10-30 Single Receptacles, 125/250 Volt.....	57.23	18.16
26 27 26 00-0031 EA 30 Amp, NEMA 14-30, Single Receptacle, 125/250 Volt, 1 Phase.....	57.66	18.16
26 27 26 00-0032 EA 30 Amp, NEMA 15-30, Single Receptacle, 250 Volt, 3 Phase.....	62.85	20.75
26 27 26 00-0033 EA 50 Amp, NEMA 5-50, Single Receptacle, 125 Volt, 1 Phase.....	59.77	20.75
26 27 26 00-0034 EA 50 Amp, NEMA 6-50, Single Receptacle, 250 Volt, 1 Phase.....	58.90	20.75
26 27 26 00-0035 EA 50 Amp, NEMA 7-50 Single Receptacles, 277 Volt.....	54.42	20.75
26 27 26 00-0036 EA 50 Amp, NEMA 10-50 Single Receptacles, 125/250 Volt.....	68.28	20.75
26 27 26 00-0037 EA 50 Amp, NEMA 14-50, Single Receptacle, 125/250 Volt, 1 Phase.....	67.60	20.75
26 27 26 00-0038 EA 50 Amp, NEMA 15-50, Single Receptacle, 250 Volt, 3 Phase.....	72.79	23.34
26 27 26 00-0039 EA 60 Amp, NEMA 14-60, Single Receptacle, 125/250 Volt, 1 Phase.....	80.35	25.94
26 27 26 00-0040 EA 60 Amp, NEMA 15-60, Single Receptacle, 250 Volt, 3 Phase.....	90.72	31.13
26 27 26 00-0041 EA 100 Amp, 3 Phase, 480 Volt Joy Receptacle With Box - Complete.....	804.53	243.84
26 27 26 00-0042 EA 400 Amp, 4 Pole Weatherproof Generator Receptacle With Box - Complete.....	1,646.21	298.30
26 27 26 00-0043 EA 30 Amp, Dryer Receptacle, 230 Volt.....	52.39	20.75
26 27 26 00-0044 EA 60 Amp, Range Receptacle, 230 Volt.....	77.51	31.13
26 27 26 00-0045 EA 15 Or 20 Amp, Clock Hanger Receptacle, 120/277 Volt.....	42.15	12.97
26 27 26 00-0046 EA Cable Reel With 20 Amp, 120 Volt Receptacle - Complete.....	909.67	316.16
26 27 26 00-0047 Isolated Ground Receptacles (26 27 26 00-0026)		
26 27 26 00-0048 EA 15 Amp, 125 Volt, NEMA 5-15R Isolated Ground Receptacle, Simplex.....	55.73	10.38
Note: 2 Pole, 3 wire.		
26 27 26 00-0049 EA 20 Amp, 120 Volt Isolated Ground Receptacles, Simplex.....	37.93	12.97
26 27 26 00-0050 EA 20 Amp, 120 Volt Isolated Ground Receptacles, Duplex.....	37.84	12.97
26 27 26 00-0051 EA 30 Amp, 120 Volt Isolated Ground Receptacles, Simplex.....	55.55	20.75
26 27 26 00-0052 EA Locking 15 Amp, 250 Volt Isolated Ground Receptacles.....	40.78	12.97
26 27 26 00-0053 EA Locking 15 Amp, 277 Volt Isolated Ground Receptacles.....	38.56	12.97
26 27 26 00-0054 EA Locking 20 Amp, 120/208 Volt Isolated Ground Receptacles.....	50.70	15.57
26 27 26 00-0055 EA Locking 20 Amp, 277/480 Volt Isolated Ground Receptacles.....	43.78	15.57
26 27 26 00-0056 EA Locking 20 Amp, 347/600 Volt Isolated Ground Receptacles.....	51.53	15.57
26 27 26 00-0057 EA Locking 30 Amp, 120/208 Volt Isolated Ground Receptacles.....	59.07	15.57
26 27 26 00-0058 EA Locking 30 Amp, 277 Volt Isolated Ground Receptacles.....	64.12	20.75
26 27 26 00-0059 Explosion Proof Receptacles (26 27 26 00-0026)		
26 27 26 00-0060 EA 1/2", 20 Amp, 2 Watt, 3 Pole, Type CPS Explosion Proof Receptacle Assembly.....	495.03	25.94
26 27 26 00-0061 EA 3/4", 20 Amp, 2 Watt, 3 Pole, Type CPS Explosion Proof Receptacle Assembly.....	459.67	28.53
26 27 26 00-0062 EA 3/4", 30 Amp, 2 Watt, 3 Pole, Type CES/CESD Explosion Proof Receptacle Assembly.....	767.68	51.88
26 27 26 00-0063 EA 3/4", 30 Amp, 3 Watt, 4 Pole, Type CES/CESD Explosion Proof Receptacle Assembly.....	956.63	51.88
26 27 26 00-0064 EA 1-1/4", 60 Amp, 2 Watt, 4 Pole, Type CES/CESD Explosion Proof Receptacle Assembly.....	1,219.88	77.82
26 27 26 00-0065 EA 1-1/4", 60 Amp, 3 Watt, 4 Pole, Type CES/CESD Explosion Proof Receptacle Assembly.....	1,165.17	77.82
26 27 26 00-0066 Ground Fault Circuit Interrupter (GFCI) (26 27 26 00-0026)		
26 27 26 00-0067 EA 15 Amp Ground Fault Circuit Interrupter (GFCI), Duplex Receptacle.....	25.06	12.97
26 27 26 00-0068 EA 20 Amp Ground Fault Circuit Interrupter (GFCI), Duplex Receptacle.....	38.75	15.57
26 27 26 00-0069 Locking Receptacle (26 27 26 00-0026)		
26 27 26 00-0070 EA Locking, 15 Amp, 250 Volt, NEMA L15-15 Power Receptacles, 2 Phase.....	47.76	12.97
26 27 26 00-0071 EA Locking, 15 Amp, 250 Volt, NEMA L16-15 Power Receptacles, 2 Phase.....	49.05	12.97
26 27 26 00-0072 EA Locking, 20 Amp, 125 Volt, NEMA L5-20 Power Receptacles.....	39.55	15.57
26 27 26 00-0073 EA Locking, 20 Amp, 250 Volt, NEMA L6-20 Power Receptacles.....	39.60	15.57
26 27 26 00-0074 EA Locking, 20 Amp, 480 Volt, NEMA L8-20 Power Receptacles.....	41.35	15.57
26 27 26 00-0075 EA Locking, 20 Amp, 600 Volt, NEMA L9-20 Power Receptacles.....	45.39	15.57
26 27 26 00-0076 EA Locking, 20 Amp, 125/250 Volt, NEMA L10-20 Power Receptacles.....	42.99	15.57
26 27 26 00-0077 EA Locking, 20 Amp, 125/250 Volt, NEMA L14-20 Power Receptacles.....	43.59	15.57
26 27 26 00-0078 EA Locking, 30 Amp, 120 Volt AC, NEMA L5-30 Power Receptacles.....	51.14	20.75
26 27 26 00-0079 EA Locking, 30 Amp, 250 Volt AC, NEMA L6-30 Power Receptacles.....	51.69	20.75
26 27 26 00-0080 EA Locking, 30 Amp, 250 Volt, NEMA L15-30 Power Receptacles, 3 Phase.....	57.57	20.75
26 27 26 00-0081 Hospital Grade Receptacle (26 27 26 00-0026)		
26 27 26 00-0082 EA 15 Amp Heavy Duty Hospital Grade, NEMA 5-15, Duplex Receptacle.....	37.34	10.38
26 27 26 00-0083 EA 20 Amp Heavy Duty Hospital Grade, NEMA 5-20, Duplex Receptacle.....	39.93	10.38
26 27 26 00-0084 EA 20 Amp Heavy Duty Hospital Grade, NEMA 5-20, Duplex Receptacle, Isolated Ground.....	44.83	10.38
26 27 26 00-0085 EA 20 Amp Extra Heavy Duty Hospital Grade, NEMA 5-20, Duplex Receptacle.....	40.30	10.38
26 27 26 00-0086 EA 20 Amp Extra Heavy Duty Hospital Grade, NEMA 5-20, Duplex Receptacle, Isolated Ground.....	45.36	10.38
26 27 26 00-0087 EA 20 Amp Non-Magnetic MRI Hospital Grade, NEMA 5-20, Duplex Receptacle.....	49.29	10.38
26 27 26 00-0088 EA 120 Volt Transient Voltage Surge Suppressor Receptacle.....	98.00	31.13
Note: Hospital grade receptacle.		



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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 27 26 00-0089 Weathertight Pin And Sleeve Receptacle <small>(26 27 26 00-0026)</small>		
26 27 26 00-0090 EA 20 Amp, 2 Pole, 3 Wire, 125 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 320R4W).....	188.26	51.88
26 27 26 00-0091 EA 20 Amp, 2 Pole, 3 Wire, 250 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 320R6W).....	187.91	51.88
26 27 26 00-0092 EA 20 Amp, 2 Pole, 3 Wire, 480 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 320R7W).....	194.50	51.88
26 27 26 00-0093 EA 20 Amp, 3 Pole, 4 Wire, 125/250 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 420R12W).....	232.82	57.07
26 27 26 00-0094 EA 20 Amp, 3 Pole, 4 Wire, 250 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 420R9W).....	233.37	57.07
26 27 26 00-0095 EA 20 Amp, 3 Pole, 4 Wire, 480 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 420R7W).....	232.10	57.07
26 27 26 00-0096 EA 30 Amp, 2 Pole, 3 Wire, 125 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 330R4W).....	274.91	63.81
26 27 26 00-0097 EA 30 Amp, 2 Pole, 3 Wire, 250 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 330R6W).....	264.19	63.81
26 27 26 00-0098 EA 30 Amp, 2 Pole, 3 Wire, 480 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 330R7W).....	280.97	63.81
26 27 26 00-0099 EA 30 Amp, 3 Pole, 4 Wire, 125/250 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 430R12W).....	287.80	70.04
26 27 26 00-0100 EA 30 Amp, 3 Pole, 4 Wire, 250 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 430R9W).....	287.59	70.04
26 27 26 00-0101 EA 30 Amp, 3 Pole, 4 Wire, 480 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 430R7W).....	289.11	70.04
26 27 26 00-0102 EA 60 Amp, 2 Pole, 3 Wire, 125 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 360R4W).....	393.75	83.01
26 27 26 00-0103 EA 60 Amp, 2 Pole, 3 Wire, 250 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 360R6W).....	380.77	83.01
26 27 26 00-0104 EA 60 Amp, 2 Pole, 3 Wire, 480 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 360R7W).....	389.22	83.01
26 27 26 00-0105 EA 60 Amp, 3 Pole, 4 Wire, 125/250 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 460R12W).....	433.37	92.35
26 27 26 00-0106 EA 60 Amp, 3 Pole, 4 Wire, 250 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 460R9W).....	433.62	92.35
26 27 26 00-0107 EA 60 Amp, 3 Pole, 4 Wire, 480 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 460R7W).....	433.87	92.35
26 27 26 00-0108 EA 100 Amp, 2 Pole, 3 Wire, 250 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 3100R6W).....	483.06	103.76
26 27 26 00-0109 EA 100 Amp, 2 Pole, 3 Wire, 480 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 3100R7W).....	499.70	103.76
26 27 26 00-0110 EA 100 Amp, 3 Pole, 4 Wire, 125/250 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 4100R12W).....	539.40	114.13
26 27 26 00-0111 EA 100 Amp, 3 Pole, 4 Wire, 250 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 4100R9W).....	538.15	114.13
26 27 26 00-0112 EA 100 Amp, 3 Pole, 4 Wire, 480 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 4100R7W).....	540.50	114.13
 26 27 26 00-0113 Corrosion Resistant Receptacle <small>(26 27 26 00-0026)</small>		
26 27 26 00-0114 EA 15/20 Amp, 125 Volt Corrosion Resistant, Power Receptacles.....	40.55	10.38
26 27 26 00-0115 EA 15/20 Amp, 250 Volt Corrosion Resistant, Power Receptacles.....	72.74	12.97
 26 27 26 00-0116 Tamper Resistant Receptacle <small>(26 27 26 00-0026)</small>		
26 27 26 00-0117 EA 15 Amp, 125 Volt Duplex Tamper Resistant Receptacle..... Note: Pass & Seymour 3232-TR.	23.68	10.38
26 27 26 00-0118 EA 20 Amp, 125 Volt Duplex Specification Grade Tamper Resistant Receptacle..... Note: Pass & Seymour TR20.	25.18	10.38
26 27 26 00-0119 EA 15 Amp, 125 Volt Single Specification Grade Tamper Resistant Receptacle..... Note: Pass & Seymour TR5251.	29.50	10.38
26 27 26 00-0120 EA 20 Amp, 125 Volt Single Specification Grade Tamper Resistant Receptacle..... Note: Pass & Seymour TR5351.	31.53	10.38
26 27 26 00-0121 EA 15 Amp, 125 Volt Duplex Ground Fault Circuit Interrupter (GFCI), Tamper Resistant Receptacle.....	43.71	10.38
26 27 26 00-0122 EA 15 Amp, 125 Volt Duplex Ground Fault Circuit Interrupter (GFCI), Specification Grade Tamper Resistant Receptacle..... Note: Pass & Seymour 1595-TRS.	46.62	10.38
26 27 26 00-0123 EA 20 Amp, 125 Volt Duplex Ground Fault Circuit Interrupter (GFCI), Specification Grade Tamper Resistant Receptacle..... Note: Pass & Seymour 2095-TRS.	49.39	10.38
 26 27 26 00-0124 USB Charger/Duplex Tamper-Resistant Receptacles <small>(26 27 26 00-0026)</small>		
26 27 26 00-0125 EA 15 Amp, 125 Volt Duplex USB Charger/Duplex Tamper-Resistant Receptacle.....	44.51	10.38
26 27 26 00-0126 EA 20 Amp, 125 Volt Duplex USB Charger/Duplex Tamper-Resistant Receptacle.....	47.48	10.38
 26 27 26 00-0127 Television Receptacle <small>(26 27 26 00-0001)</small>		
26 27 26 00-0128 EA TV Receptacle With Cover (Type F) - Complete.....	56.42	24.07
 26 27 26 00-0129 Switches <small>(26 27 26)</small>		
26 27 26 00-0130 Switches <small>(26 27 26 00-0129)</small>		
26 27 26 00-0131 Switch Assemblies <small>(26 27 26 00-0130)</small>		
Note: Includes 4" square steel box, bracket, mud ring, switch and cover plate.		
26 27 26 00-0132 EA 1 Gang, 15 Amp, 120/277 Volt, SPST, Switch Assembly.....	81.20	36.31
26 27 26 00-0133 EA 1 Gang, 20 Amp, 120/277 Volt, SPST, Switch Assembly.....	87.63	39.43
26 27 26 00-0134 EA 2 Gang, 15 Amp, 120/277 Volt, SPST, Switch Assembly.....	107.22	47.46
26 27 26 00-0135 EA 2 Gang, 20 Amp, 120/277 Volt, SPST, Switch Assembly.....	118.02	52.65
26 27 26 00-0136 EA 3 Gang, 15 Amp, 120/277 Volt, SPST, Switch Assembly.....	184.20	81.46
26 27 26 00-0137 EA 3 Gang, 20 Amp, 120/277 Volt, SPST, Switch Assembly.....	200.38	89.23
26 27 26 00-0138 EA 4 Gang, 15 Amp, 120/277 Volt, SPST, Switch Assembly.....	209.88	92.08
26 27 26 00-0139 EA 4 Gang, 20 Amp, 120/277 Volt, SPST, Switch Assembly.....	231.46	102.46
 26 27 26 00-0140 Switch Components <small>(26 27 26 00-0130)</small>		
26 27 26 00-0141 EA 15 Amp, 120/277 Volt, SPST Switch.....	23.79	10.38
26 27 26 00-0142 EA 15 Amp, 120/277 Volt, 3-Way Switch.....	29.94	12.97
26 27 26 00-0143 EA 15 Amp, 120/277 Volt, 4-Way Switch.....	53.11	20.75

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 27 Low-Voltage Distribution Equipment**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 27 26 00-0144	EA		15 Amp, 120/277 Volt, DPST Switch	25.57	10.38
26 27 26 00-0145	EA		15 Amp, 120/277 Volt, Thermal Switch	41.08	12.97
26 27 26 00-0146	EA		20 Amp, 120/277 Volt, SPST Switch	29.19	12.97
26 27 26 00-0147	EA		20 Amp, 120/277 Volt, 3-Way Switch	35.57	15.57
26 27 26 00-0148	EA		20 Amp, 120/277 Volt, 4-Way Switch	63.64	20.75
26 27 26 00-0149	EA		20 Amp, 120/277 Volt, DPST Switch	32.03	12.97
26 27 26 00-0150	EA		20 Amp, 120/277 Volt, DPDT Switch	33.29	12.97
26 27 26 00-0151	EA		15 Amp, 120/277 Volt, Single Pole, Momentary Contact Switch, Toggle, Three Position, Center Off	48.92	12.99
26 27 26 00-0152	EA		15 Amp, 120/277 Volt, Momentary Contact Switch, Key Operated, Single Pole, Three Position, Center Off	60.39	12.99
26 27 26 00-0153	EA		Momentary Contact Switch With Separate Neon Pilot	48.24	15.59
			Note: Neon Pilot is 125 V, 1 / 125W.		
26 27 26 00-0154	EA		20 Amp, 125 Volt AC, Single Pole, Maintained Contact Switch With Center Off	42.62	18.16
			Note: Or 250 VAC 10 Amp, double throw BAT handle.		
26 27 26 00-0155	EA		20 Amp, 125 Volt AC, Double Pole, Maintained Contact Switch	50.69	20.75
			Note: Or 250 VAC 10 Amp, with center off double throw BAT handle.		
26 27 26 00-0156	EA		20 Amp, 125 Volt AC, Three Pole, Maintained Contact Switch	63.67	20.75
			Note: Or 250 VAC 10 Amp, with center off double throw BAT handle.		
26 27 26 00-0157	EA		30 Amp, 120/277 Volt, Single Pole Local Switch	52.07	20.77
26 27 26 00-0158	EA		30 Amp, 120/277 Volt, Double Pole Local Switch	62.37	20.77
26 27 26 00-0159	EA		30 Amp, 120/277 Volt, Three-Way Local Switch	66.82	25.97
26 27 26 00-0160	EA		30 Amp, 120/277 Volt, Four-Way Local Switch	90.41	28.57
26 27 26 00-0161	EA		15 Amp, 120/277 Volt, Local Switch With Neon Pilot	50.92	16.98
26 27 26 00-0162	EA		15 Amp, 120/277 Volt, Local Switch With Separate Neon Pilot	66.63	16.98
			Note: Neon pilot is 125V, 1/25W. Requires 2 gang installation.		
26 27 26 00-0163	EA		15 Amp, 120 Volt, Single Pole Lighted Toggle Switch, Clear Toggle, Lighted In On Position	59.86	16.98
26 27 26 00-0164	EA		15 Amp, 120 Volt, Lighted Toggle Switch, Ivory Toggle, Lighted In Off Position	57.53	16.98
26 27 26 00-0165	EA		Automatic Door Switch, Door Open-Light On, 6 Amp, 125 Volt	55.86	8.42
26 27 26 00-0166	EA		Automatic Door Switch, Door Closed-Light On, 6 Amp, 125 Volt	59.02	8.42
26 27 26 00-0167	EA		15 Amp, 120/277 Volt, Single Pole Momentary Contact Switch, Three Position, Center Off, Toggle	68.35	32.42
26 27 26 00-0168	EA		Momentary Contact Switch, Three Position, Center Off, Key Operated	79.82	32.42
			Note: 15A, 120/277 V, Single Pole		
26 27 26 00-0169			Specialty Switches (26 27 26 00-0129)		
26 27 26 00-0170			Dimmers With SPST Switch (26 27 26 00-0169)		
26 27 26 00-0171	EA		600 Watt Dimmers With SPST Switch	53.26	23.34
26 27 26 00-0172	EA		1,000 Watt Dimmers With SPST Switch	73.80	23.34
26 27 26 00-0173	EA		1,500 Watt Dimmers With SPST Switch	128.21	37.56
26 27 26 00-0174	EA		2,000 Watt Dimmers With SPST Switch	154.42	37.56
26 27 26 00-0175	EA		600 Watt Fluorescent Dimmer Switch	93.14	27.70
26 27 26 00-0176	EA		1,000 Watt Fluorescent Dimmer Switch	115.69	27.70
26 27 26 00-0177	EA		1,500 Watt Fluorescent Dimmer Switch	200.57	41.81
26 27 26 00-0178	EA		Remote Speed Switch For Paddle Fan	83.61	34.55
26 27 26 00-0179	EA		600 Watt Combination Remote Speed Switch/Incandescent Dimmer	132.16	51.57
26 27 26 00-0180			Time Switches (26 27 26 00-0169)		
26 27 26 00-0181	EA		40 Amp, SPST, 125 Volt, Standard Time Switch	85.98	31.13
26 27 26 00-0182	EA		40 Amp, SPST, 277 Volt, Standard Time Switch	87.16	31.13
26 27 26 00-0183	EA		40 Amp, DPST, 125 Volt, Standard Time Switch	85.98	31.13
26 27 26 00-0184	EA		40 Amp, DPST, 277 Volt, Standard Time Switch	87.16	31.13
26 27 26 00-0185	EA		40 Amp, SPST, 125 Volt, 7-Day Time Switch	93.89	31.13
26 27 26 00-0186	EA		40 Amp, SPST, 277 Volt, 7-Day Time Switch	93.89	31.13
26 27 26 00-0187	EA		40 Amp, DPDT, 125 Volt, 7-Day Time Switch	140.55	31.13
26 27 26 00-0188	EA		40 Amp, DPDT, 277 Volt, 7-Day Time Switch	140.55	31.13
26 27 26 00-0189	EA		20 Amp, SPST, 125 Volt, Programmable Time Switch	125.58	31.13
26 27 26 00-0190	EA		20 Amp, SPST, 277 Volt, Programmable Time Switch	134.72	31.13
26 27 26 00-0191	EA		20 Amp, SPST, 277 Volt, Programmable Time Switch - Weatherproof	134.72	31.13
26 27 26 00-0192	EA		40 Amp, 4PST, 125 Volt, Astro Dial Time Switch	156.33	31.13
26 27 26 00-0193	EA		40 Amp, 4PST, 277 Volt, Astro Dial Time Switch	159.96	31.13
26 27 26 00-0194	EA		40 Amp, SPST, 125 Volt, Standard Time Switch - Weatherproof	85.98	31.13
26 27 26 00-0195	EA		40 Amp, SPST, 277 Volt, Standard Time Switch - Weatherproof	87.16	31.13
26 27 26 00-0196	EA		40 Amp, DPST, 125 Volt, Standard Time Switch - Weatherproof	85.98	31.13
26 27 26 00-0197	EA		40 Amp, DPST, 277 Volt, Standard Time Switch - Weatherproof	87.16	31.13
26 27 26 00-0198	EA		40 Amp, SPST, 125 Volt, 7-Day Time Switch - Weatherproof	93.89	31.13
26 27 26 00-0199	EA		40 Amp, SPST, 277 Volt, 7-Day Time Switch - Weatherproof	93.89	31.13
26 27 26 00-0200	EA		40 Amp, DPDT, 125 Volt, 7-Day Time Switch - Weatherproof	140.55	31.13
26 27 26 00-0201	EA		40 Amp, DPDT, 277 Volt, 7-Day Time Switch - Weatherproof	140.55	31.13
26 27 26 00-0202	EA		40 Amp, 4PST, 125 Volt, Astro Dial Time Switch - Weatherproof	156.33	31.13
26 27 26 00-0203	EA		40 Amp, 4PST, 277 Volt, Astro Dial Time Switch - Weatherproof	159.96	31.13
26 27 26 00-0204			Low Voltage Switching (26 27 26 00-0169)		
26 27 26 00-0205	EA		36 Pin Male Or Female Connector	97.46	10.38
26 27 26 00-0206			Other Switches (26 27 26 00-0169)		
26 27 26 00-0207	EA		Pull Chain Switch 120/277 Volt AC Installed In Light Fixture	32.60	15.57
26 27 26 00-0208	EA		Locking Switch, SPST Concealed Devices	93.18	41.50
26 27 26 00-0209	EA		Locking Switch, 3-Way Concealed Devices	93.85	41.50



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 27 26 00-0210 EA Emergency Off Switch, With 1 Non-Closing Contact, Circular, Red, With Guard	95.72	38.81
26 27 26 00-0211 EA 15 Amp Momentary Contact Switch	93.13	38.81
26 27 26 00-0212 EA 20 Amp Momentary Contact Switch	95.86	38.81
26 27 26 00-0213 EA 2-1/4" Handy Box Cover Units Fuseholder Switch	101.10	46.76
26 27 26 00-0214 EA 2-3/4" Handy Box Cover Units Fuseholder Switch	101.86	46.76
26 27 26 00-0215 EA 4" Square Box Cover Units With 2 Fuseholders And 2 Switches	124.92	57.15
26 27 26 00-0216 EA 4" Square Box Cover Units With 1 Fuseholder And 1 Switch	113.57	51.95
26 27 26 00-0217 EA 4" Octagon Box Cover Units With 1 Fuseholder And 1 Switch	113.76	51.95
26 27 26 00-0218 Plates And Covers (26 27 26)		
26 27 26 00-0219 Wall Plates (26 27 26 00-0218)		
26 27 26 00-0220 Nylon Wall Plates (26 27 26 00-0219)		
26 27 26 00-0221 EA 1 Gang Nylon Switch Plate	1.41	0.52
26 27 26 00-0222 EA 2 Gang Nylon Switch Plate	2.30	0.78
26 27 26 00-0223 EA 3 Gang Nylon Switch Plate	3.23	1.04
26 27 26 00-0224 EA 4 Gang Nylon Switch Plate	4.51	1.29
26 27 26 00-0225 EA 1 Gang Duplex Nylon Wall Plate	1.42	0.52
26 27 26 00-0226 EA 2 Gang Duplex Nylon Wall Plate	2.35	0.78
26 27 26 00-0227 Plastic Wall Plates (26 27 26 00-0219)		
26 27 26 00-0228 EA 1 Gang Plastic Switch Plate	1.34	0.52
26 27 26 00-0229 EA 2 Gang Plastic Switch Plate	2.15	0.78
26 27 26 00-0230 EA 3 Gang Plastic Switch Plate	2.99	1.04
26 27 26 00-0231 EA 4 Gang Plastic Switch Plate	4.51	1.29
26 27 26 00-0232 EA 1 Gang Duplex Plastic Wall Plate	1.34	0.52
26 27 26 00-0233 EA 2 Gang Duplex Plastic Wall Plate	2.16	0.78
26 27 26 00-0234 Brass Wall Plates (26 27 26 00-0219)		
26 27 26 00-0235 EA 1 Gang 0.04" Brass Switch Plate	11.74	2.34
26 27 26 00-0236 EA 2 Gang 0.04" Brass Switch Plate	20.76	2.70
26 27 26 00-0237 EA 3 Gang 0.04" Brass Switch Plate	29.65	3.01
26 27 26 00-0238 EA 4 Gang 0.04" Brass Switch Plate	45.07	3.27
26 27 26 00-0239 EA 5 Gang 0.04" Brass Switch Plate	54.51	3.48
26 27 26 00-0240 EA 6 Gang 0.04" Brass Switch Plate	62.79	3.64
26 27 26 00-0241 EA 1 Gang 0.04" Brass Duplex Receptacle Wall Plate	11.74	2.34
26 27 26 00-0242 EA 2 Gang 0.04" Brass Duplex Receptacle Wall Plate	23.98	2.70
26 27 26 00-0243 EA 3 Gang 0.04" Brass Duplex Receptacle Wall Plate	33.90	3.01
26 27 26 00-0244 Stainless Steel Wall Plates (26 27 26 00-0219)		
26 27 26 00-0245 EA 1 Gang, 302 Stainless Steel Switch Plate With Satin Finish	7.09	2.34
26 27 26 00-0246 EA 2 Gang, 302 Stainless Steel Switch Plate With Satin Finish	10.60	2.70
26 27 26 00-0247 EA 3 Gang, 302 Stainless Steel Switch Plate With Satin Finish	14.23	3.01
26 27 26 00-0248 EA 4 Gang, 302 Stainless Steel Switch Plate With Satin Finish	20.02	3.27
26 27 26 00-0249 EA 5 Gang, 302 Stainless Steel Switch Plate With Satin Finish	23.29	3.48
26 27 26 00-0250 EA 6 Gang, 302 Stainless Steel Switch Plate With Satin Finish	27.73	3.64
26 27 26 00-0251 EA 1 Gang, 302 Stainless Steel Duplex Receptacle Wall Plate With Satin Finish	7.60	2.34
26 27 26 00-0252 EA 2 Gang, 302 Stainless Steel Duplex Receptacle Wall Plate With Satin Finish	11.81	2.70
26 27 26 00-0253 EA 3 Gang, 302 Stainless Steel Duplex Receptacle Wall Plate With Satin Finish	18.22	3.01
26 27 26 00-0254 EA 4 Gang, 302 Stainless Steel Duplex Receptacle Wall Plate With Satin Finish	21.75	3.27
26 27 26 00-0255 Chrome Wall Plates (26 27 26 00-0219)		
26 27 26 00-0256 EA 1 Gang 0.040" Chrome Switch Plate With Chromium Finish	21.75	2.34
26 27 26 00-0257 EA 2 Gang 0.040" Chrome Switch Plate With Chromium Finish	39.51	2.70
26 27 26 00-0258 EA 3 Gang 0.040" Chrome Switch Plate With Chromium Finish	57.19	3.01
26 27 26 00-0259 EA 1 Gang 0.040" Chrome Duplex Receptacle Wall Plate With Chromium Finish	21.73	2.34
26 27 26 00-0260 Weatherproof Covers (26 27 26 00-0218)		
26 27 26 00-0261 Stamped Metallic Weatherproof Covers (26 27 26 00-0260)		
Note: Includes electrostatically applied powder coating and neoprene gasket.		
26 27 26 00-0262 EA Blank Cover, Single Gang, Stamped Metallic Weatherproof Cover (Killark® 1FBC)	8.40	0.52
26 27 26 00-0263 EA Duplex Receptacle, Single Gang, Stamped Metallic Weatherproof Cover (Killark® 1FAC)	9.08	0.52
26 27 26 00-0264 EA Single Receptacle, Single Gang, Stamped Metallic Weatherproof Cover (Killark® 1FRC)	9.08	0.52
26 27 26 00-0265 EA Toggle Switch, Single Gang, Stamped Metallic Weatherproof Cover (Killark® 1FTC)	9.08	0.52
26 27 26 00-0266 EA Blank Cover, Two Gang, Stamped Metallic Weatherproof Cover (Killark® 2FBC)	11.19	0.78
26 27 26 00-0267 EA Duplex Receptacle, Two Gang, Stamped Metallic Weatherproof Cover (Killark® 2FAC)	12.66	0.78
26 27 26 00-0268 EA Single Receptacle, Two Gang, Stamped Metallic Weatherproof Cover (Killark® 2FRC)	12.81	0.78
26 27 26 00-0269 EA Toggle Switch, Two Gang, Stamped Metallic Weatherproof Cover (Killark® 2FTC)	12.81	0.78
26 27 26 00-0270 EA Toggle Switch And Duplex Receptacle, Two Gang, Stamped Metallic Weatherproof Cover (Killark® 2FTAC)	17.29	0.78
26 27 26 00-0271 EA Blank Cover, Three Gang, Stamped Metallic Weatherproof Cover (Killark® 3FB)	16.52	1.04
26 27 26 00-0272 EA Toggle Switch, Three Gang, Stamped Metallic Weatherproof Cover (Killark® 3FT)	18.02	1.04



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

26 27 26 00-0273	Cast Metallic Weatherproof Covers <small>(26 27 26 00-0260)</small>		
	Note: Includes electrostatically applied powder coating and neoprene gasket.		
26 27 26 00-0274	EA Blank Cover, Single Gang, Cast Metallic Weatherproof Cover (Killark® FSBC).....	10.23	0.52
26 27 26 00-0275	EA Duplex Receptacle, Single Gang, Cast Metallic Weatherproof Cover With Self Closing Lid (Killark® FCLA).....	32.17	0.52
26 27 26 00-0276	EA Single Receptacle, Single Gang, Cast Metallic Weatherproof Cover With Self Closing Lid (Killark® FCLR).....	36.05	0.52
26 27 26 00-0277	EA Guarded Toggle Switch, Single Gang, Cast Metallic Weatherproof Cover (Killark® FSTG).....	10.16	0.52
26 27 26 00-0278	EA Toggle Switch, Single Gang, Cast Metallic Weatherproof Cover With Self Closing Lid (Killark® FCLT).....	27.31	0.52
26 27 26 00-0279	EA Lever Operated Toggle Switch, Single Gang, Cast Metallic Weatherproof Cover (Killark® FSPT).....	45.27	0.52
26 27 26 00-0280	EA Plunger Operated Toggle Switch, Single Gang, Cast Metallic Weatherproof Cover (Killark® FST).....	57.58	0.52
26 27 26 00-0281	EA Blank Cover, Two Gang, Cast Metallic Weatherproof Cover (Killark® 2FSBC).....	12.81	0.78
26 27 26 00-0282	EA Plunger Operated Toggle Switch, Two Gang, Cast Metallic Weatherproof Cover (Killark® 2FST).....	90.92	0.78
26 27 26 00-0283	EA Blank Cover, Three Gang, Cast Metallic Weatherproof Cover (Killark® 3FSBC).....	21.34	1.04
26 27 26 00-0284	EA Plunger Operated Toggle Switch, Three Gang, Cast Metallic Weatherproof Cover (Killark® 3FST).....	87.00	1.04
26 27 26 00-0285	Die Cast Aluminum Weatherproof Covers <small>(26 27 26 00-0260)</small>		
	Note: Includes electrostatically applied powder coating and neoprene gasket.		
26 27 26 00-0286	EA Duplex Receptacle, Single Gang, Die Cast Aluminum Weatherproof Cover With Self Closing Lid (Bell® 5027).....	3.73	0.52
26 27 26 00-0287	EA Single Receptacle, Single Gang, Die Cast Aluminum Weatherproof Cover With Self Closing Lid (Bell® 5026).....	4.72	0.52
26 27 26 00-0288	EA Duplex Receptacles, Two Gang, Die Cast Aluminum Weatherproof Cover With Self Closing Lid (Bell® 5032).....	6.36	0.78
26 27 26 00-0289	EA Toggle Switch, Two Gang, Die Cast Aluminum Weatherproof Cover With Self Closing Lid (Bell® 5041).....	6.87	0.78
26 27 26 00-0290	EA Toggle Switch And Duplex Receptacle, Two Gang, Die Cast Aluminum Weatherproof Cover With Self Closing Lid (Bell® 5042).....	6.87	0.78
26 27 26 00-0291	EA Toggle Switch And Single Receptacle, Two Gang, Die Cast Aluminum Weatherproof Cover With Self Closing Lid (Bell® 5043).....	7.61	0.78
26 27 26 00-0292	Heavy Duty Die Cast Aluminum Weatherproof Covers <small>(26 27 26 00-0260)</small>		
	Note: Includes baked on lacquer finish and neoprene gasket.		
26 27 26 00-0293	EA Duplex Receptacle, Single Gang, Heavy Duty Die Cast Aluminum Weatherproof Cover With Self Closing Lid (Pass & Seymour Legrand® 4510).....	35.79	0.52
26 27 26 00-0294	Polycarbonate Weatherproof Covers <small>(26 27 26 00-0260)</small>		
	Note: Includes neoprene gasket.		
26 27 26 00-0295	EA Toggle Switch, Single Gang, Polycarbonate Weatherproof Cover With Tinted Lid (Bell® 5730).....	7.41	0.52
26 27 26 00-0296	EA Duplex Receptacle, Single Gang, Polycarbonate Weatherproof Cover With Tinted Lid (Bell® 5730).....	7.41	0.52
26 27 26 00-0297	EA Single Receptacle, Single Gang, Polycarbonate Weatherproof Cover With Tinted Lid (Bell® 5730).....	7.41	0.52
26 27 26 00-0298	EA Duplex Receptacle, Two Gang, Polycarbonate Weatherproof Cover With Tinted Lid (Bell® 5775).....	9.22	0.78
26 27 26 00-0299	EA Toggle Switch And Single Receptacle, Two Gang, Polycarbonate Weatherproof Cover With Tinted Lid (Bell® 5775).....	9.22	0.78
26 27 26 00-0300	High Impact Thermoplastic Weatherproof Covers <small>(26 27 26 00-0260)</small>		
	Note: Includes neoprene gasket.		
26 27 26 00-0301	EA Duplex Receptacle, Single Gang, High Impact Thermoplastic Weatherproof Cover With Self Closing Lid (Hubbell® HBL522).....	46.48	0.52
26 27 26 00-0302	Non Metallic (PVC) Weatherproof Covers <small>(26 27 26 00-0260)</small>		
	Note: Includes neoprene gasket.		
26 27 26 00-0303	EA Blank Cover, Single Gang, Non Metallic (PVC) Weatherproof Cover.....	8.31	0.52
26 27 26 00-0304	EA Blank Cover, Two Gang, Non Metallic (PVC) Weatherproof Cover.....	9.03	0.78
26 27 26 00-0305	EA Toggle Switch, Single Gang, Non Metallic (PVC) Weatherproof Cover.....	8.33	0.52
26 27 26 00-0306	EA Toggle Switch, Single Gang, Non Metallic (PVC) Weatherproof Cover.....	18.02	0.52
26 27 26 00-0307	EA Duplex Receptacle, Single Gang, Non Metallic (PVC) Weatherproof Cover.....	20.84	0.52
26 27 26 00-0308	EA 20 Amp Receptacle, Single Gang, Non Metallic (PVC) Weatherproof Cover.....	16.95	0.52
26 27 26 00-0309	EA 30 Amp Receptacle, Single Gang, Non Metallic (PVC) Weatherproof Cover.....	12.70	0.52
26 27 26 00-0310	EA 50 Amp Receptacle, Single Gang, Non Metallic (PVC) Weatherproof Cover.....	14.82	0.52
26 27 26 00-0311	EA Plunger Switch, Single Gang, Non Metallic (PVC) Weatherproof Cover.....	13.28	0.52
26 27 26 00-0312	EA Double Duplex Receptacle, Two Gang, Non Metallic (PVC) Weatherproof Cover.....	19.13	0.78
26 27 26 00-0313	Removal And Reinstallation Of Wiring Devices <small>(26 27 26)</small>		
	Note: Includes storage and cleaning.		
26 27 26 00-0314	EA Removal And Reinstallation Of Receptacle, Switch, Outlet Or Special System Device.....	68.26	
26 27 26 00-0315	EA Removal And Reinstallation Of Receptacle Or Switch Outlet Cover Plate.....	8.65	
26 27 26 00-0316	Relay Systems <small>(26 27 26)</small>		
26 27 26 00-0317	EA Relay 2 Position, 10 Amp, 24 Volt Coil.....	68.23	23.34
26 27 26 00-0318	EA Industrial Control Relay 20 Amp, 120 Volt Coil Up To 4 Contacts.....	266.10	77.82
26 27 26 00-0319	EA Industrial Control Relay 20 Amp, 120 Volt Coil 12 Contacts.....	428.63	103.76
26 27 26 00-0320	Limit Switches <small>(26 27 26)</small>		
26 27 26 00-0321	Heavy Duty Precision Oiltight <small>(26 27 26 00-0320)</small>		
26 27 26 00-0322	Lever Arm, Plunger, Wobble Stick Type <small>(26 27 26 00-0321)</small>		
26 27 26 00-0323	EA Limit Switch, Heavy Duty, Lever Arm Weatherproof, 10 Amp Rated.....	295.15	65.37



Electrical	26	
Low-Voltage Electrical Distribution	26 20	26
Low-Voltage Distribution Equipment	26 27	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 27 26 00-0324 In Line Midget Fuseholders <small>(26 27 26)</small> See CSI section 26 28 13 00-0078 for fuses.		
26 27 26 00-0325 EA Single Pole Water Resistant In Line Midget Fuseholder.....	62.20	
26 27 26 00-0326 EA Double Pole Water Resistant In Line Midget Fuseholder	122.72	
26 27 73 Door Chimes <small>(26 27)</small>		
26 27 73 00-0001 Door Chimes <small>(26 27 73)</small>		
26 27 73 00-0002 EA Door Bell, Push-button And Transformer - Complete	496.43	216.13
26 27 73 00-0003 EA Visual Flashing Doorbell Indicator, Wire To Existing System - Complete	163.94	51.88
26 27 73 00-0004 EA Replacement Bell/Buzzer - Complete	71.65	25.94
Note: Includes removal of existing.		
26 28 Low-Voltage Circuit Protective Devices <small>(26 20)</small>		
26 28 13 Fuses <small>(26 28)</small>		
26 28 13 00-0001 125 Volt AC, Type T Dual Element, Time Delay, Edison Base Plug Fuses <small>(26 28 13)</small>		
26 28 13 00-0002 EA 1 Amp, 125 Volt AC, Type T Dual Element, Time Delay, Edison Base Plug Fuse.....	20.77	7.47
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	4.98	
26 28 13 00-0003 EA 2 Amp, 125 Volt AC, Type T Dual Element, Time Delay, Edison Base Plug Fuse.....	20.44	7.47
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	4.98	
26 28 13 00-0004 EA 3 Amp, 125 Volt AC, Type T Dual Element, Time Delay, Edison Base Plug Fuse.....	19.98	7.47
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	4.98	
26 28 13 00-0005 EA 5 Amp, 125 Volt AC, Type T Dual Element, Time Delay, Edison Base Plug Fuse.....	19.92	7.47
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	4.98	
26 28 13 00-0006 EA 6 Amp, 125 Volt AC, Type T Dual Element, Time Delay, Edison Base Plug Fuse.....	20.34	7.47
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	4.98	
26 28 13 00-0007 EA 8 Amp, 125 Volt AC, Type T Dual Element, Time Delay, Edison Base Plug Fuse.....	19.52	7.47
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	4.98	
26 28 13 00-0008 EA 10 Amp, 125 Volt AC, Type T Dual Element, Time Delay, Edison Base Plug Fuse.....	19.32	7.47
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	4.98	
26 28 13 00-0009 EA 15 Amp, 125 Volt AC, Type T Dual Element, Time Delay, Edison Base Plug Fuse.....	17.72	7.47
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	4.98	
26 28 13 00-0010 EA 20 Amp, 125 Volt AC, Type T Dual Element, Time Delay, Edison Base Plug Fuse.....	17.47	7.47
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	4.98	
26 28 13 00-0011 EA 25 Amp, 125 Volt AC, Type T Dual Element, Time Delay, Edison Base Plug Fuse.....	17.94	7.47
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	4.98	
26 28 13 00-0012 EA 30 Amp, 125 Volt AC, Type T Dual Element, Time Delay, Edison Base Plug Fuse.....	17.61	7.47
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	4.98	
26 28 13 00-0013 Class RK1, Time Delay Fuses <small>(26 28 13)</small>		
26 28 13 00-0014 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuses <small>(26 28 13 00-0013)</small>		
26 28 13 00-0015 EA 1 Amp, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse.....	28.67	7.47
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	4.98	
26 28 13 00-0016 EA 2 Amp, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse.....	27.22	7.47
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	4.98	
26 28 13 00-0017 EA 3 Amp, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse.....	28.23	7.47
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	4.98	
26 28 13 00-0018 EA 4 Amp, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse.....	28.10	7.47
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	4.98	
26 28 13 00-0019 EA 5 Amp, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse.....	27.09	7.47
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	4.98	
26 28 13 00-0020 EA 10 Amp, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse.....	26.48	7.47
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	4.98	
26 28 13 00-0021 EA 15 Amp, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse.....	24.87	7.47
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	4.98	
26 28 13 00-0022 EA 20 Amp, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse.....	24.75	7.47
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	4.98	
26 28 13 00-0023 EA 25 Amp, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse.....	24.88	7.47
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	4.98	
26 28 13 00-0024 EA 30 Amp, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse.....	24.72	7.47
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	4.98	
26 28 13 00-0025 EA 35 Amp, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse.....	31.56	7.47
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	4.98	
26 28 13 00-0026 EA 40 Amp, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse.....	31.08	7.47
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	4.98	
26 28 13 00-0027 EA 45 Amp, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse.....	31.44	7.47
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	4.98	
26 28 13 00-0028 EA 50 Amp, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse.....	31.14	7.47
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	4.98	
26 28 13 00-0029 EA 60 Amp, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse.....	30.70	7.47
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	4.98	
26 28 13 00-0030 250 Volt AC, 200 kAmp I.R., BladeType, Class RK1, Time Delay Fuses <small>(26 28 13 00-0013)</small>		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 13 00-0071 EA 250 Amp, 600 Volt AC, 200 kAmp I.R., Blade Type, Class RK1, Time Delay Fuse.....	281.29	12.66
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.40	
26 28 13 00-0072 EA 300 Amp, 600 Volt AC, 200 kAmp I.R., Blade Type, Class RK1, Time Delay Fuse.....	285.53	15.46
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	10.27	
26 28 13 00-0073 EA 350 Amp, 600 Volt AC, 200 kAmp I.R., Blade Type, Class RK1, Time Delay Fuse.....	320.17	15.46
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	10.27	
26 28 13 00-0074 EA 400 Amp, 600 Volt AC, 200 kAmp I.R., Blade Type, Class RK1, Time Delay Fuse.....	291.42	15.46
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	10.27	
26 28 13 00-0075 EA 450 Amp, 600 Volt AC, 200 kAmp I.R., Blade Type, Class RK1, Time Delay Fuse.....	512.10	15.46
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	10.27	
26 28 13 00-0076 EA 500 Amp, 600 Volt AC, 200 kAmp I.R., Blade Type, Class RK1, Time Delay Fuse.....	460.77	18.67
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.45	
26 28 13 00-0077 EA 600 Amp, 600 Volt AC, 200 kAmp I.R., Blade Type, Class RK1, Time Delay Fuse.....	404.09	18.67
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.45	
26 28 13 00-0078 600 Volt AC, Class CC Midget Fuses ^(26 28 13)		
Note: 250/300 Volt DC.		
26 28 13 00-0079 EA 1 Amp, 600 Volt AC, Class CC Midget Fuse.....	31.98	7.47
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.98	
26 28 13 00-0080 EA 2 Amp, 600 Volt AC, Class CC Midget Fuse.....	32.37	7.47
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.98	
26 28 13 00-0081 EA 3 Amp, 600 Volt AC, Class CC Midget Fuse.....	32.26	7.47
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.98	
26 28 13 00-0082 EA 5 Amp, 600 Volt AC, Class CC Midget Fuse.....	32.14	7.47
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.98	
26 28 13 00-0083 EA 6 Amp, 600 Volt AC, Class CC Midget Fuse.....	33.95	7.47
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.98	
26 28 13 00-0084 EA 8 Amp, 600 Volt AC, Class CC Midget Fuse.....	31.04	7.47
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.98	
26 28 13 00-0085 EA 10 Amp, 600 Volt AC, Class CC Midget Fuse.....	34.46	7.47
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.98	
26 28 13 00-0086 EA 15 Amp, 600 Volt AC, Class CC Midget Fuse.....	32.15	7.47
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.98	
26 28 13 00-0087 EA 20 Amp, 600 Volt AC, Class CC Midget Fuse.....	31.67	7.47
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.98	
26 28 13 00-0088 EA 25 Amp, 600 Volt AC, Class CC Midget Fuse.....	30.58	7.47
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.98	
26 28 13 00-0089 EA 30 Amp, 600 Volt AC, Class CC Midget Fuse.....	31.51	7.47
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.98	
26 28 13 00-0090 200,000 Ampere Interrupting Capacity, 600 Volt AC, Class J Bolted Fuse ^(26 28 13)		
26 28 13 00-0091 EA 1 Amp, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse.....	36.77	5.19
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.11	
26 28 13 00-0092 EA 3 Amp, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse.....	37.02	5.19
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.11	
26 28 13 00-0093 EA 6 Amp, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse.....	33.34	6.22
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.74	
26 28 13 00-0094 EA 10 Amp, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse.....	34.44	7.78
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.67	
26 28 13 00-0095 EA 15 Amp, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse.....	35.04	7.78
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.67	
26 28 13 00-0096 EA 20 Amp, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse.....	34.50	7.78
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.67	
26 28 13 00-0097 EA 25 Amp, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse.....	44.32	10.38
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.23	
26 28 13 00-0098 EA 30 Amp, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse.....	38.27	10.38
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.23	
26 28 13 00-0099 EA 35 Amp, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse.....	60.86	10.38
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.23	
26 28 13 00-0100 EA 40 Amp, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse.....	53.08	10.38
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.23	
26 28 13 00-0101 EA 45 Amp, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse.....	59.67	10.38
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.23	
26 28 13 00-0102 EA 50 Amp, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse.....	55.91	12.97
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.79	
26 28 13 00-0103 EA 60 Amp, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse.....	55.07	12.97
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.79	
26 28 13 00-0104 EA 70 Amp, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse.....	81.93	15.57
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.34	
26 28 13 00-0105 EA 80 Amp, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse.....	86.55	15.57
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.34	
26 28 13 00-0106 EA 90 Amp, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse.....	85.37	15.57
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.34	
26 28 13 00-0107 EA 100 Amp, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse.....	78.30	18.16
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	10.89	
26 28 13 00-0108 EA 110 Amp, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse.....	164.47	18.16
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	10.89	
26 28 13 00-0109 EA 125 Amp, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse.....	141.88	18.16
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	10.89	
26 28 13 00-0110 EA 150 Amp, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse.....	137.96	20.75
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.45	

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 28 Low-Voltage Circuit Protective Devices**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 13 00-0111 EA 175 Amp, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse	139.75	20.75
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.45	
26 28 13 00-0112 EA 200 Amp, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse	118.75	20.75
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.45	
26 28 13 00-0113 EA 225 Amp, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse	275.84	20.75
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.45	
26 28 13 00-0114 EA 250 Amp, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse	256.23	20.75
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.45	
26 28 13 00-0115 EA 300 Amp, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse	237.37	20.75
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.45	
26 28 13 00-0116 EA 350 Amp, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse	257.44	20.75
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.45	
26 28 13 00-0117 EA 400 Amp, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse	217.35	23.34
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.01	
26 28 13 00-0118 EA 450 Amp, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse	441.37	23.34
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.01	
26 28 13 00-0119 EA 500 Amp, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse	379.36	25.94
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15.56	
26 28 13 00-0120 EA 600 Amp, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse	287.33	25.94
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15.56	
26 28 13 00-0121 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuses ^(26 28 13)		
26 28 13 00-0122 EA 100 Amp, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	819.92	12.97
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.78	
26 28 13 00-0123 EA 150 Amp, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	821.52	12.97
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.78	
26 28 13 00-0124 EA 200 Amp, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	823.01	12.97
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.78	
26 28 13 00-0125 EA 250 Amp, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	822.48	15.57
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.34	
26 28 13 00-0126 EA 300 Amp, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	758.47	15.57
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.34	
26 28 13 00-0127 EA 350 Amp, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	812.77	18.16
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.89	
26 28 13 00-0128 EA 400 Amp, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	749.23	18.16
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.89	
26 28 13 00-0129 EA 450 Amp, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	836.25	18.16
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.89	
26 28 13 00-0130 EA 500 Amp, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	820.21	18.16
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.89	
26 28 13 00-0131 EA 600 Amp, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	733.24	20.75
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.45	
26 28 13 00-0132 EA 601 Amp, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	752.52	20.75
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.45	
26 28 13 00-0133 EA 650 Amp, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	994.92	20.75
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.45	
26 28 13 00-0134 EA 700 Amp, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	729.74	20.75
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.45	
26 28 13 00-0135 EA 750 Amp, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	1,113.63	23.34
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.01	
26 28 13 00-0136 EA 800 Amp, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	649.51	23.34
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.01	
26 28 13 00-0137 EA 900 Amp, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	939.71	23.34
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.01	
26 28 13 00-0138 EA 1,000 Amp, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	638.91	23.34
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.01	
26 28 13 00-0139 EA 1,200 Amp, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	657.35	23.34
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.01	
26 28 13 00-0140 EA 1,350 Amp, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	1,437.99	23.34
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.01	
26 28 13 00-0141 EA 1,400 Amp, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	1,418.06	23.34
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.01	
26 28 13 00-0142 EA 1,500 Amp, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	1,281.28	23.34
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.01	
26 28 13 00-0143 EA 1,600 Amp, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	809.81	25.94
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15.56	
26 28 13 00-0144 EA 1,800 Amp, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	1,692.45	25.94
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15.56	
26 28 13 00-0145 EA 2,000 Amp, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	1,091.15	25.94
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15.56	
26 28 13 00-0146 EA 2,500 Amp, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	1,467.57	25.94
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15.56	
26 28 13 00-0147 EA 2,501 Amp, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	2,485.09	25.94
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15.56	
26 28 13 00-0148 EA 3,000 Amp, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	1,635.72	28.53
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17.12	
26 28 13 00-0149 EA 3,500 Amp, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	3,357.57	28.53
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17.12	
26 28 13 00-0150 EA 3,800 Amp, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	3,892.18	28.53
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17.12	
26 28 13 00-0151 EA 4,000 Amp, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	2,260.52	28.53
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17.12	



Electrical	26	26
Low-Voltage Electrical Distribution	26 20	
Low-Voltage Circuit Protective Devices	26 28	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 13 00-0152 EA 5,000 Amp, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3,553.86 17.12	28.53
26 28 13 00-0153 EA 6,000 Amp, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5,867.66 17.12	28.53
26 28 16 Enclosed Switches And Circuit Breakers (26 28)		
26 28 16 00-0001 Motor And Circuit Disconnects (26 28 16) Note: Work includes mounting, material handling, uploading at job site and termination of all conductors entering and leaving the disconnect.		
26 28 16 00-0002 NEMA 1 Enclosure, Neutral Kit, Safety Switches (26 28 16 00-0001)		
26 28 16 00-0003 Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches (26 28 16 00-0002) Note: Includes fuses and neutral bar.		
26 28 16 00-0004 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches (26 28 16 00-0003)		
26 28 16 00-0005 EA 30 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	332.19	103.76
26 28 16 00-0006 EA 60 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	499.40	125.03
26 28 16 00-0007 EA 100 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	671.10	146.30
26 28 16 00-0008 EA 200 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,143.35	230.34
26 28 16 00-0009 EA 400 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	2,352.39	357.97
26 28 16 00-0010 EA 600 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	3,887.44	529.18
26 28 16 00-0011 EA 800 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	5,244.10	622.55
26 28 16 00-0012 EA 1,200 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	6,975.61	726.32
26 28 16 00-0013 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches (26 28 16 00-0003)		
26 28 16 00-0014 EA 30 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	480.16	115.28
26 28 16 00-0015 EA 60 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	579.19	138.94
26 28 16 00-0016 EA 100 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	886.22	162.38
26 28 16 00-0017 EA 200 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,320.05	256.29
26 28 16 00-0018 EA 400 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	2,784.12	397.60
26 28 16 00-0019 EA 600 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	4,320.72	587.69
26 28 16 00-0020 EA 800 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	6,283.47	691.35
26 28 16 00-0021 EA 1,200 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	8,502.60	807.04
26 28 16 00-0022 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches (26 28 16 00-0003)		
26 28 16 00-0023 EA 30 Amp, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	481.84	162.90
26 28 16 00-0024 EA 60 Amp, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	695.57	216.34
26 28 16 00-0025 EA 100 Amp, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	906.21	240.20
26 28 16 00-0026 EA 200 Amp, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,431.10	376.12
26 28 16 00-0027 EA 400 Amp, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	2,875.23	617.36
26 28 16 00-0028 EA 600 Amp, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	4,593.08	864.84
26 28 16 00-0029 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches (26 28 16 00-0003)		
26 28 16 00-0030 EA 30 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	609.86	180.02
26 28 16 00-0031 EA 60 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	781.83	240.20
26 28 16 00-0032 EA 100 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,101.99	270.29
26 28 16 00-0033 EA 200 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,630.88	411.93

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 28 Low-Voltage Circuit Protective Devices**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 00-0034 EA 400 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	3,481.80	665.10
26 28 16 00-0035 EA 600 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	5,537.45	960.81
26 28 16 00-0036 EA 800 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	8,580.21	1,141.35
26 28 16 00-0037 EA 1,200 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	10,870.91	1,296.99
26 28 16 00-0038 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches (26 28 16 00-0003)		
26 28 16 00-0039 EA 30 Amp, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	469.87	162.90
26 28 16 00-0040 EA 60 Amp, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	680.10	216.34
26 28 16 00-0041 EA 100 Amp, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	878.05	240.20
26 28 16 00-0042 EA 200 Amp, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,469.82	376.12
26 28 16 00-0043 EA 400 Amp, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	3,093.43	617.36
26 28 16 00-0044 EA 600 Amp, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	4,921.34	864.84
26 28 16 00-0045 EA 800 Amp, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	7,941.01	1,089.47
26 28 16 00-0046 EA 1,200 Amp, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	9,734.45	1,245.11
26 28 16 00-0047 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches (26 28 16 00-0003)		
26 28 16 00-0048 EA 30 Amp, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	653.79	180.02
26 28 16 00-0049 EA 60 Amp, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	835.82	240.20
26 28 16 00-0050 EA 100 Amp, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,180.93	270.29
26 28 16 00-0051 EA 200 Amp, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,749.05	411.93
26 28 16 00-0052 EA 400 Amp, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	3,733.94	665.10
26 28 16 00-0053 EA 600 Amp, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	5,982.75	960.81
26 28 16 00-0054 EA 800 Amp, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	9,319.52	1,141.35
26 28 16 00-0055 EA 1,200 Amp, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	11,669.52	1,296.99
26 28 16 00-0056 Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches (26 28 16 00-0002)		
26 28 16 00-0057 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches (26 28 16 00-0056)		
26 28 16 00-0058 EA 30 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	324.62	150.14
26 28 16 00-0059 EA 60 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	494.17	208.86
26 28 16 00-0060 EA 100 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	661.27	240.20
26 28 16 00-0061 EA 200 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,039.02	384.33
26 28 16 00-0062 EA 400 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	2,040.16	640.50
26 28 16 00-0063 EA 600 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	3,263.44	873.44
26 28 16 00-0064 EA 800 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	4,577.03	1,037.59
26 28 16 00-0065 EA 1,200 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	5,977.89	1,210.97
26 28 16 00-0066 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches (26 28 16 00-0056)		
26 28 16 00-0067 EA 30 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	358.49	165.71
26 28 16 00-0068 EA 60 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	558.62	234.39
26 28 16 00-0069 EA 100 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	745.50	266.87
26 28 16 00-0070 EA 200 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,158.27	417.74



Electrical	26	26
Low-Voltage Electrical Distribution	26 20	
Low-Voltage Circuit Protective Devices	26 28	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 00-0071 EA 400 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	2,194.63	686.27
26 28 16 00-0072 EA 600 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	3,608.71	960.71
26 28 16 00-0073 EA 800 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	5,028.96	1,037.59
26 28 16 00-0074 EA 1,200 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	6,596.80	1,210.97
26 28 16 00-0075 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches (26 28 16 00-0056)		
26 28 16 00-0076 EA 30 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	387.30	134.89
26 28 16 00-0077 EA 60 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	581.37	187.81
26 28 16 00-0078 EA 100 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	761.55	216.34
26 28 16 00-0079 EA 200 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	1,200.28	346.04
26 28 16 00-0080 EA 400 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	2,332.58	576.38
26 28 16 00-0081 EA 600 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	3,673.23	785.97
26 28 16 00-0082 EA 800 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	6,066.41	933.83
26 28 16 00-0083 EA 1,200 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	7,828.08	1,089.47
26 28 16 00-0084 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches (26 28 16 00-0056)		
26 28 16 00-0085 EA 30 Amp, 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	423.58	148.90
26 28 16 00-0086 EA 60 Amp, 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	641.87	211.15
26 28 16 00-0087 EA 100 Amp, 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	833.11	240.20
26 28 16 00-0088 EA 200 Amp, 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	1,296.75	376.12
26 28 16 00-0089 EA 400 Amp, 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	2,499.19	617.36
26 28 16 00-0090 EA 600 Amp, 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	3,980.52	864.84
26 28 16 00-0091 EA 800 Amp, 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	6,364.97	933.83
26 28 16 00-0092 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches (26 28 16 00-0056)		
26 28 16 00-0093 EA 30 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	445.87	149.11
26 28 16 00-0094 EA 60 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	679.89	210.95
26 28 16 00-0095 EA 100 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	894.93	240.20
26 28 16 00-0096 EA 200 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	1,391.98	375.92
26 28 16 00-0097 EA 400 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	2,632.41	617.57
26 28 16 00-0098 EA 600 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	4,374.78	864.63
26 28 16 00-0099 EA 800 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	6,815.49	933.83
26 28 16 00-0100 EA 1,200 Amp, 600 Volt Class, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	8,836.47	1,089.47
26 28 16 00-0101 240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches (26 28 16 00-0056)		
26 28 16 00-0102 EA 30 Amp, 240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	601.43	135.09
26 28 16 00-0103 EA 60 Amp, 240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	741.96	188.02
26 28 16 00-0104 EA 100 Amp, 240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	1,092.78	216.13
26 28 16 00-0105 EA 200 Amp, 240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	1,653.29	345.83



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 00-0106 480 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 00-0056)</small>		
26 28 16 00-0107 EA 30 Amp, 480 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	653.06	148.90
26 28 16 00-0108 EA 60 Amp, 480 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	813.96	211.15
26 28 16 00-0109 EA 100 Amp, 480 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	1,188.00	240.20
26 28 16 00-0110 EA 200 Amp, 480 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	1,782.13	376.12
26 28 16 00-0111 600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 00-0056)</small>		
26 28 16 00-0112 EA 30 Amp, 600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	715.11	149.11
26 28 16 00-0113 EA 60 Amp, 600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	882.40	210.95
26 28 16 00-0114 EA 100 Amp, 600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	1,311.08	240.20
26 28 16 00-0115 EA 200 Amp, 600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	1,961.42	375.92
26 28 16 00-0116 General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 00-0002)</small>		
Note: Includes fuses and neutral bar.		
26 28 16 00-0117 240 Volt Class, 1 Phase, 2 Wire, 1 Blade And Fuseholder, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 00-0116)</small>		
26 28 16 00-0118 EA 30 Amp, 240 Volt Class, 1 Phase, 2 Wire, 1 Blade And Fuseholder, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	241.84	90.27
26 28 16 00-0119 EA 60 Amp, 240 Volt Class, 1 Phase, 2 Wire, 1 Blade And Fuseholder, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	320.74	108.63
26 28 16 00-0120 EA 100 Amp, 240 Volt Class, 1 Phase, 2 Wire, 1 Blade And Fuseholder, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	468.44	127.00
26 28 16 00-0121 EA 200 Amp, 240 Volt Class, 1 Phase, 2 Wire, 1 Blade And Fuseholder, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	845.52	200.36
26 28 16 00-0122 EA 400 Amp, 240 Volt Class, 1 Phase, 2 Wire, 1 Blade And Fuseholder, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	1,908.05	310.76
26 28 16 00-0123 EA 600 Amp, 240 Volt Class, 1 Phase, 2 Wire, 1 Blade And Fuseholder, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	3,493.03	459.96
26 28 16 00-0124 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 00-0116)</small>		
26 28 16 00-0125 EA 30 Amp, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	344.86	141.84
26 28 16 00-0126 EA 60 Amp, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	479.18	188.02
26 28 16 00-0127 EA 100 Amp, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	632.15	208.86
26 28 16 00-0128 EA 200 Amp, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	1,099.42	326.94
26 28 16 00-0129 EA 400 Amp, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	2,362.28	537.06
26 28 16 00-0130 EA 600 Amp, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	4,080.10	751.83
26 28 16 00-0131 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 00-0116)</small>		
26 28 16 00-0132 EA 30 Amp, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	373.81	141.84
26 28 16 00-0133 EA 60 Amp, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	525.86	188.02
26 28 16 00-0134 EA 100 Amp, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	674.62	208.86
26 28 16 00-0135 EA 200 Amp, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	1,206.43	326.94
26 28 16 00-0136 EA 400 Amp, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	2,545.19	537.06
26 28 16 00-0137 EA 600 Amp, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	4,196.04	751.83
26 28 16 00-0138 General Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 00-0002)</small>		
26 28 16 00-0139 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, General Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 00-0138)</small>		



Electrical	26	26
Low-Voltage Electrical Distribution	26 20	
Low-Voltage Circuit Protective Devices	26 28	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 00-0140 EA 60 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, General Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	331.83	125.54
26 28 16 00-0141 EA 100 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, General Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	427.57	144.33
26 28 16 00-0142 EA 200 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, General Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	906.41	230.65
26 28 16 00-0143 EA 400 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, General Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	1,875.19	383.91
26 28 16 00-0144 EA 600 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, General Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	3,158.30	523.16
26 28 16 00-0145 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, General Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 00-0138)</small>		
26 28 16 00-0146 EA 30 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, General Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	312.80	117.46
26 28 16 00-0147 EA 60 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, General Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	430.14	163.42
26 28 16 00-0148 EA 100 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, General Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	616.58	188.02
26 28 16 00-0149 EA 200 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, General Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	1,047.11	300.80
26 28 16 00-0150 EA 400 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, General Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	2,110.58	501.37
26 28 16 00-0151 EA 600 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, General Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	3,480.01	683.36
26 28 16 00-0152 NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches <small>(26 28 16 00-0001)</small>		
26 28 16 00-0153 Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches <small>(26 28 16 00-0152)</small>		
Note: With fuses, neutral bar, and hub if required.		
26 28 16 00-0154 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches <small>(26 28 16 00-0153)</small>		
26 28 16 00-0155 EA 30 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	468.93	121.92
26 28 16 00-0156 EA 60 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	716.36	146.30
26 28 16 00-0157 EA 100 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	887.44	170.16
26 28 16 00-0158 EA 200 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	1,305.42	259.39
26 28 16 00-0159 EA 400 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	2,786.20	415.03
26 28 16 00-0160 EA 600 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	4,775.06	553.56
26 28 16 00-0161 EA 800 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	7,030.38	622.55
26 28 16 00-0162 EA 1,200 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	9,254.48	726.32
26 28 16 00-0163 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches <small>(26 28 16 00-0153)</small>		
26 28 16 00-0164 EA 30 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	777.64	162.49
26 28 16 00-0165 EA 60 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	929.55	199.22
26 28 16 00-0166 EA 100 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	1,285.76	228.79
26 28 16 00-0167 EA 200 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	1,824.51	343.13
26 28 16 00-0168 EA 400 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	3,855.27	561.44
26 28 16 00-0169 EA 600 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	6,927.78	772.07
26 28 16 00-0170 EA 800 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	10,032.58	889.01
26 28 16 00-0171 EA 1,200 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	11,065.24	1,000.76
26 28 16 00-0172 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches <small>(26 28 16 00-0153)</small>		
26 28 16 00-0173 EA 30 Amp, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	620.97	191.95
26 28 16 00-0174 EA 60 Amp, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	954.15	254.21

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 28 Low-Voltage Circuit Protective Devices**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 00-0175	EA	100 Amp, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	1,132.85	279.11
26 28 16 00-0176	EA	200 Amp, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	1,691.41	432.15
26 28 16 00-0177	EA	400 Amp, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	3,524.54	720.61
26 28 16 00-0178	EA	600 Amp, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	5,729.36	960.81
26 28 16 00-0179		600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches ⁽²⁶		
		^{28 16 00-0153)}		
26 28 16 00-0180	EA	30 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	909.07	227.55
26 28 16 00-0181	EA	60 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	1,089.27	278.91
26 28 16 00-0182	EA	100 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	1,425.28	320.20
26 28 16 00-0183	EA	200 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	2,079.88	480.41
26 28 16 00-0184	EA	400 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	4,239.76	786.08
26 28 16 00-0185	EA	600 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	7,447.65	1,080.86
26 28 16 00-0186	EA	800 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	10,365.50	1,245.11
26 28 16 00-0187	EA	1,200 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	12,352.44	1,400.74
26 28 16 00-0188		240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches ⁽²⁶		
		^{28 16 00-0153)}		
26 28 16 00-0189	EA	30 Amp, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	670.07	191.95
26 28 16 00-0190	EA	60 Amp, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	955.57	254.21
26 28 16 00-0191	EA	100 Amp, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	1,201.88	279.11
26 28 16 00-0192	EA	200 Amp, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	1,737.45	432.15
26 28 16 00-0193	EA	400 Amp, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	3,566.77	720.61
26 28 16 00-0194	EA	600 Amp, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	6,193.91	960.81
26 28 16 00-0195	EA	800 Amp, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	10,018.51	1,089.47
26 28 16 00-0196	EA	1,200 Amp, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	12,418.24	1,245.11
26 28 16 00-0197		600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches ⁽²⁶		
		^{28 16 00-0153)}		
26 28 16 00-0198	EA	30 Amp, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	937.23	227.75
26 28 16 00-0199	EA	60 Amp, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	1,120.94	279.11
26 28 16 00-0200	EA	100 Amp, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	1,495.67	320.09
26 28 16 00-0201	EA	200 Amp, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	2,125.63	480.41
26 28 16 00-0202	EA	400 Amp, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	4,405.16	785.97
26 28 16 00-0203	EA	600 Amp, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	7,637.69	1,080.65
26 28 16 00-0204	EA	800 Amp, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	10,963.92	1,245.11
26 28 16 00-0205	EA	1,200 Amp, 600 Volt Class, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	13,141.24	1,400.74
26 28 16 00-0206		Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches ^(26 28 16 00-0152)		
26 28 16 00-0207		240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches ^(26 28 16 00-0206)		
26 28 16 00-0208	EA	30 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	439.61	106.77
26 28 16 00-0209	EA	60 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	701.45	147.85



Electrical	26	26
Low-Voltage Electrical Distribution	26 20	
Low-Voltage Circuit Protective Devices	26 28	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 00-0210 EA 100 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	906.98	169.54
26 28 16 00-0211 EA 200 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	1,236.94	274.55
26 28 16 00-0212 EA 400 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	2,659.40	457.99
26 28 16 00-0213 EA 600 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	4,711.09	610.62
26 28 16 00-0214 EA 800 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	7,421.56	726.63
26 28 16 00-0215 EA 1,200 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	9,717.91	830.38
26 28 16 00-0216 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches <small>(26 28 16 00-0206)</small>		
26 28 16 00-0217 EA 30 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	493.39	117.66
26 28 16 00-0218 EA 60 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	793.20	164.66
26 28 16 00-0219 EA 100 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	1,020.73	185.93
26 28 16 00-0220 EA 200 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	1,362.68	288.25
26 28 16 00-0221 EA 400 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	2,993.85	480.41
26 28 16 00-0222 EA 600 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	5,074.81	640.50
26 28 16 00-0223 EA 800 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	7,906.39	761.18
26 28 16 00-0224 EA 1,200 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	10,347.50	864.63
26 28 16 00-0225 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches <small>(26 28 16 00-0206)</small>		
26 28 16 00-0226 EA 30 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	546.36	160.10
26 28 16 00-0227 EA 60 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	849.25	221.74
26 28 16 00-0228 EA 100 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	1,076.51	254.31
26 28 16 00-0229 EA 200 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	1,511.43	411.82
26 28 16 00-0230 EA 400 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	3,152.72	686.89
26 28 16 00-0231 EA 600 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	5,390.96	915.68
26 28 16 00-0232 EA 800 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	8,225.50	1,089.47
26 28 16 00-0233 EA 1,200 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	10,768.53	1,245.11
26 28 16 00-0234 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches <small>(26 28 16 00-0206)</small>		
26 28 16 00-0235 EA 30 Amp, 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	595.20	176.40
26 28 16 00-0236 EA 60 Amp, 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	928.92	247.05
26 28 16 00-0237 EA 100 Amp, 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	1,166.30	278.91
26 28 16 00-0238 EA 200 Amp, 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	1,601.75	432.36
26 28 16 00-0239 EA 400 Amp, 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	3,346.95	720.51
26 28 16 00-0240 EA 600 Amp, 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	5,734.74	960.71
26 28 16 00-0241 EA 800 Amp, 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	8,760.95	1,141.35
26 28 16 00-0242 EA 1,200 Amp, 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	11,461.90	1,296.99
26 28 16 00-0243 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches <small>(26 28 16 00-0206)</small>		
26 28 16 00-0244 EA 30 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	371.24	176.40
26 28 16 00-0245 EA 60 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	957.89	247.05
26 28 16 00-0246 EA 100 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	1,206.69	278.91

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 28 Low-Voltage Circuit Protective Devices**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 00-0247 EA 200 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	1,650.90	432.36
26 28 16 00-0248 EA 400 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	3,474.22	720.51
26 28 16 00-0249 EA 600 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	5,715.29	960.71
26 28 16 00-0250 EA 800 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	8,750.05	1,141.35
26 28 16 00-0251 EA 1,200 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	11,447.07	1,296.99
26 28 16 00-0252 General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches <small>(26 28 16 00-0152)</small>		
Note: With fuses, neutral bar, and hub if required.		
26 28 16 00-0253 240 Volt Class, 1 Phase, 2 Wire, 1 Blade And Fuseholder, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches <small>(26 28 16 00-0252)</small>		
26 28 16 00-0254 EA 30 Amp, 240 Volt Class, 1 Phase, 2 Wire, 1 Blade And Fuseholder, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	306.27	106.04
26 28 16 00-0255 EA 60 Amp, 240 Volt Class, 1 Phase, 2 Wire, 1 Blade And Fuseholder, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	418.27	127.21
26 28 16 00-0256 EA 100 Amp, 240 Volt Class, 1 Phase, 2 Wire, 1 Blade And Fuseholder, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	538.28	147.96
26 28 16 00-0257 EA 200 Amp, 240 Volt Class, 1 Phase, 2 Wire, 1 Blade And Fuseholder, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	1,055.69	225.57
26 28 16 00-0258 EA 400 Amp, 240 Volt Class, 1 Phase, 2 Wire, 1 Blade And Fuseholder, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	2,464.75	360.88
26 28 16 00-0259 EA 600 Amp, 240 Volt Class, 1 Phase, 2 Wire, 1 Blade And Fuseholder, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	4,270.70	481.44
26 28 16 00-0260 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches <small>(26 28 16 00-0252)</small>		
26 28 16 00-0261 EA 30 Amp, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	428.79	167.16
26 28 16 00-0262 EA 60 Amp, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	606.28	221.12
26 28 16 00-0263 EA 100 Amp, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	727.08	242.59
26 28 16 00-0264 EA 200 Amp, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	1,357.04	375.92
26 28 16 00-0265 EA 400 Amp, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	2,997.15	626.50
26 28 16 00-0266 EA 600 Amp, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	4,985.29	835.67
26 28 16 00-0267 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches <small>(26 28 16 00-0252)</small>		
26 28 16 00-0268 EA 30 Amp, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	469.34	167.05
26 28 16 00-0269 EA 60 Amp, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	647.11	221.12
26 28 16 00-0270 EA 100 Amp, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	858.18	242.59
26 28 16 00-0271 EA 200 Amp, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	1,441.65	375.92
26 28 16 00-0272 EA 400 Amp, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	3,051.51	626.60
26 28 16 00-0273 EA 600 Amp, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	5,408.89	835.67
26 28 16 00-0274 EA 800 Amp, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	7,576.82	946.70
26 28 16 00-0275 General Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches <small>(26 28 16 00-0152)</small>		
26 28 16 00-0276 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, General Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches <small>(26 28 16 00-0275)</small>		
26 28 16 00-0277 EA 30 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, General Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	274.60	92.87
26 28 16 00-0278 EA 60 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, General Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	434.97	128.56
26 28 16 00-0279 EA 100 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, General Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	464.82	147.44
26 28 16 00-0280 EA 200 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, General Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	1,082.27	238.65



Electrical	26	26
Low-Voltage Electrical Distribution	26 20	
Low-Voltage Circuit Protective Devices	26 28	

MINOR CSI UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 00-0281	EA 400 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, General Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	2,539.66	398.23
26 28 16 00-0282	EA 600 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, General Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	4,371.58	530.94
26 28 16 00-0283	240 Volt Class, 3 Phase, 3 Wire, 3 Blades, General Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches (26 28 16 00-0275)		
26 28 16 00-0284	EA 30 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, General Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	426.04	139.25
26 28 16 00-0285	EA 60 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, General Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	608.60	192.78
26 28 16 00-0286	EA 100 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, General Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	853.32	221.12
26 28 16 00-0287	EA 200 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, General Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	1,453.57	358.07
26 28 16 00-0288	NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches (26 28 16 00-0001)		
26 28 16 00-0289	Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches (26 28 16 00-0288) Note: With fuses and neutral bar (stainless steel).		
26 28 16 00-0290	240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches (26 28 16 00-0289)		
26 28 16 00-0291	EA 30 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	1,109.65	103.76
26 28 16 00-0292	EA 60 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	1,333.19	125.03
26 28 16 00-0293	EA 100 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	2,652.82	146.09
26 28 16 00-0294	EA 200 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	3,686.68	230.55
26 28 16 00-0295	EA 400 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	7,426.61	357.76
26 28 16 00-0296	EA 600 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	10,684.21	528.97
26 28 16 00-0297	600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches (26 28 16 00-0289)		
26 28 16 00-0298	EA 30 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	1,398.07	115.28
26 28 16 00-0299	EA 60 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	1,561.29	138.83
26 28 16 00-0300	EA 100 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	2,870.88	162.28
26 28 16 00-0301	EA 200 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	4,073.97	256.29
26 28 16 00-0302	EA 400 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	7,728.78	397.81
26 28 16 00-0303	EA 600 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	11,092.56	587.69
26 28 16 00-0304	240 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches (26 28 16 00-0289)		
26 28 16 00-0305	EA 30 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	1,275.60	163.11
26 28 16 00-0306	EA 60 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	1,606.02	216.13
26 28 16 00-0307	EA 100 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	2,957.74	240.20
26 28 16 00-0308	EA 200 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	4,225.76	375.92
26 28 16 00-0309	EA 400 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	8,168.31	617.57
26 28 16 00-0310	EA 600 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	11,646.54	864.63
26 28 16 00-0311	600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches (26 28 16 00-0289)		
26 28 16 00-0312	EA 30 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	1,531.41	180.12
26 28 16 00-0313	EA 60 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	1,767.93	240.20
26 28 16 00-0314	EA 100 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	3,094.59	270.19
26 28 16 00-0315	EA 200 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	4,395.90	411.72

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 28 Low-Voltage Circuit Protective Devices**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 00-0316 EA 400 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	8,452.58	665.10
26 28 16 00-0317 EA 600 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	12,036.46	960.71
26 28 16 00-0318 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 00-0289)</small>		
26 28 16 00-0319 EA 30 Amp, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	1,505.15	163.11
26 28 16 00-0320 EA 60 Amp, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	1,892.99	216.13
26 28 16 00-0321 EA 100 Amp, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	3,531.95	240.20
26 28 16 00-0322 EA 200 Amp, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	5,010.97	375.92
26 28 16 00-0323 EA 400 Amp, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	9,713.70	617.57
26 28 16 00-0324 EA 600 Amp, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	13,770.28	864.63
26 28 16 00-0325 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 00-0289)</small>		
26 28 16 00-0326 EA 30 Amp, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	1,802.66	180.12
26 28 16 00-0327 EA 60 Amp, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	2,075.51	240.20
26 28 16 00-0328 EA 100 Amp, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	3,680.71	270.19
26 28 16 00-0329 EA 200 Amp, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	5,187.67	411.72
26 28 16 00-0330 EA 400 Amp, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	10,018.82	665.10
26 28 16 00-0331 EA 600 Amp, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	14,189.15	960.71
26 28 16 00-0332 Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 00-0288)</small>		
26 28 16 00-0333 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 00-0332)</small>		
26 28 16 00-0334 EA 30 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	1,067.29	103.76
26 28 16 00-0335 EA 60 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	1,310.31	144.33
26 28 16 00-0336 EA 100 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	2,400.91	166.02
26 28 16 00-0337 EA 200 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	3,352.81	265.20
26 28 16 00-0338 EA 400 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	6,078.37	441.60
26 28 16 00-0339 EA 600 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	8,686.51	601.60
26 28 16 00-0340 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 00-0332)</small>		
26 28 16 00-0341 EA 30 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	1,211.58	114.44
26 28 16 00-0342 EA 60 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	1,491.14	161.86
26 28 16 00-0343 EA 100 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	2,733.34	184.48
26 28 16 00-0344 EA 200 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	3,802.10	288.25
26 28 16 00-0345 EA 400 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	6,886.12	474.39
26 28 16 00-0346 EA 600 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	9,880.62	664.06
26 28 16 00-0347 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 00-0332)</small>		
26 28 16 00-0348 EA 30 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	1,129.97	135.09
26 28 16 00-0349 EA 60 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	1,381.26	188.02



Electrical	26	26
Low-Voltage Electrical Distribution	26 20	
Low-Voltage Circuit Protective Devices	26 28	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 00-0350 EA 100 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	1,453.90	216.13
26 28 16 00-0351 EA 200 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	2,760.59	345.83
26 28 16 00-0352 EA 400 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	3,975.22	576.48
26 28 16 00-0353 EA 600 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	9,301.90	786.08
26 28 16 00-0354 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 00-0332)</small>		
26 28 16 00-0355 EA 30 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	1,280.75	149.11
26 28 16 00-0356 EA 60 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	1,589.28	210.95
26 28 16 00-0357 EA 100 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	2,844.78	240.20
26 28 16 00-0358 EA 200 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	3,977.40	375.92
26 28 16 00-0359 EA 400 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	7,858.83	617.57
26 28 16 00-0360 EA 600 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	10,563.36	864.63
26 28 16 00-0361 240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 00-0332)</small>		
26 28 16 00-0362 EA 30 Amp, 240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	1,522.41	135.09
26 28 16 00-0363 EA 60 Amp, 240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	1,841.56	188.02
26 28 16 00-0364 EA 100 Amp, 240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	4,015.95	216.13
26 28 16 00-0365 EA 200 Amp, 240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	6,136.28	345.83
26 28 16 00-0366 600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 00-0332)</small>		
26 28 16 00-0367 EA 30 Amp, 600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	1,729.25	149.11
26 28 16 00-0368 EA 60 Amp, 600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	2,096.78	210.95
26 28 16 00-0369 EA 100 Amp, 600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	4,575.94	240.20
26 28 16 00-0370 EA 200 Amp, 600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	6,974.22	375.92
26 28 16 00-0371 Fiberglass Reinforced Polyester NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 00-0288)</small>		
26 28 16 00-0372 600 Volt Class, 3 Phase, 3 Pole, Fusible, Fiberglass Reinforced Polyester NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 00-0371)</small>		
26 28 16 00-0373 EA 30 Amp, 600 Volt Class, 3 Phase, 3 Pole, Fusible, Fiberglass Reinforced Polyester NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	2,015.20	180.02
26 28 16 00-0374 EA 60 Amp, 600 Volt Class, 3 Phase, 3 Pole, Fusible, Fiberglass Reinforced Polyester NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	2,318.67	240.20
26 28 16 00-0375 EA 100 Amp, 600 Volt Class, 3 Phase, 3 Pole, Fusible, Fiberglass Reinforced Polyester NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	4,067.69	270.29
26 28 16 00-0376 EA 200 Amp, 600 Volt Class, 3 Phase, 3 Pole, Fusible, Fiberglass Reinforced Polyester NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	5,331.80	411.93
26 28 16 00-0377 600 Volt Class, 3 Phase, 3 Pole, Non-Fusible, Fiberglass Reinforced Polyester NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 00-0371)</small>		
26 28 16 00-0378 EA 30 Amp, 600 Volt Class, 3 Phase, 3 Pole, Non-Fusible, Fiberglass Reinforced Polyester NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	1,874.95	148.90
26 28 16 00-0379 EA 60 Amp, 600 Volt Class, 3 Phase, 3 Pole, Non-Fusible, Fiberglass Reinforced Polyester NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	2,174.20	211.15
26 28 16 00-0380 EA 100 Amp, 600 Volt Class, 3 Phase, 3 Pole, Non-Fusible, Fiberglass Reinforced Polyester NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	3,835.88	240.20
26 28 16 00-0381 EA 200 Amp, 600 Volt Class, 3 Phase, 3 Pole, Non-Fusible, Fiberglass Reinforced Polyester NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	5,244.71	376.12
26 28 16 00-0382 Krydon NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 00-0288)</small>		

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 28 Low-Voltage Circuit Protective Devices**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 00-0383		600 Volt Class, 3 Phase, 3 Pole, Fusible, Krydon NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 00-0382)</small>		
26 28 16 00-0384	EA	30 Amp, 600 Volt Class, 3 Phase, 3 Pole, Fusible, Krydon NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch.....	2,288.32	180.02
26 28 16 00-0385	EA	60 Amp, 600 Volt Class, 3 Phase, 3 Pole, Fusible, Krydon NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch.....	2,624.28	240.20
26 28 16 00-0386	EA	100 Amp, 600 Volt Class, 3 Phase, 3 Pole, Fusible, Krydon NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch.....	4,645.64	270.29
26 28 16 00-0387		600 Volt Class, 3 Phase, 3 Pole, Non-Fusible, Krydon NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 00-0382)</small>		
26 28 16 00-0388	EA	30 Amp, 600 Volt Class, 3 Phase, 3 Pole, Non-Fusible, Krydon NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch.....	2,133.36	148.90
26 28 16 00-0389	EA	60 Amp, 600 Volt Class, 3 Phase, 3 Pole, Non-Fusible, Krydon NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch.....	2,463.56	211.15
26 28 16 00-0390	EA	100 Amp, 600 Volt Class, 3 Phase, 3 Pole, Non-Fusible, Krydon NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch.....	4,390.62	240.20
26 28 16 00-0391		NEMA 7 Or 9 Enclosures, Neutral Kit, Safety Switches <small>(26 28 16 00-0001)</small>		
		Note: Class 1, groups C and D, division 1 or 2, NEMA 7; Class 2, groups E, F and G, division 1 or 2, NEMA 9; or Class 3, division 1 Or 2, NEMA 9, hazardous locations as defined in NEC article 500.		
26 28 16 00-0392		Heavy Duty Fusible, NEMA 7 Or 9 Enclosures, Neutral Kit, Safety Switches <small>(26 28 16 00-0391)</small>		
		Note: With fuses and neutral bar.		
26 28 16 00-0393	EA	30 Amp, 240 Volt, 3 Phase, Heavy Duty Fusible, NEMA 7 Or 9 Enclosure, Neutral Kit, Safety Switch.....	1,850.09	207.52
26 28 16 00-0394	EA	60 Amp, 240 Volt, 3 Phase, Heavy Duty Fusible, NEMA 7 Or 9 Enclosure, Neutral Kit, Safety Switch.....	1,929.15	247.05
26 28 16 00-0395	EA	100 Amp, 240 Volt, 3 Phase, Heavy Duty Fusible, NEMA 7 Or 9 Enclosure, Neutral Kit, Safety Switch.....	2,328.59	278.91
26 28 16 00-0396	EA	200 Amp, 240 Volt, 3 Phase, Heavy Duty Fusible, NEMA 7 Or 9 Enclosure, Neutral Kit, Safety Switch.....	4,842.54	432.36
26 28 16 00-0397		Heavy Duty Non-Fusible, NEMA 7 Or 9 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 00-0391)</small>		
26 28 16 00-0398	EA	60 Amp, 240 Volt, 3 Phase, Heavy Duty Non-Fusible, NEMA 7 Or 9 Enclosure, Neutral Kit, Safety Switch.....	1,490.15	247.05
26 28 16 00-0399	EA	100 Amp, 240 Volt, 3 Phase, Heavy Duty Non-Fusible, NEMA 7 Or 9 Enclosure, Neutral Kit, Safety Switch.....	1,737.60	278.91
26 28 16 00-0400	EA	200 Amp, 240 Volt, 3 Phase, Heavy Duty Non-Fusible, NEMA 7 Or 9 Enclosure, Neutral Kit, Safety Switch.....	3,144.61	432.36
26 28 16 00-0401		NEMA 12 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 00-0001)</small>		
26 28 16 00-0402		Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 00-0401)</small>		
		Note: With fuses and neutral bar.		
26 28 16 00-0403		240 Volt Class, 1 Phase, 2 Pole, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 00-0402)</small>		
26 28 16 00-0404	EA	30 Amp, 240 Volt Class, 1 Phase, 2 Pole, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	445.78	103.76
26 28 16 00-0405	EA	60 Amp, 240 Volt Class, 1 Phase, 2 Pole, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	575.64	125.03
26 28 16 00-0406	EA	100 Amp, 240 Volt Class, 1 Phase, 2 Pole, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	770.37	146.30
26 28 16 00-0407	EA	200 Amp, 240 Volt Class, 1 Phase, 2 Pole, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	1,289.50	230.34
26 28 16 00-0408	EA	400 Amp, 240 Volt Class, 1 Phase, 2 Pole, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	2,668.80	357.97
26 28 16 00-0409	EA	600 Amp, 240 Volt Class, 1 Phase, 2 Pole, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	4,746.14	529.18
26 28 16 00-0410		600 Volt Class, 1 Phase, 2 Pole, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 00-0402)</small>		
26 28 16 00-0411	EA	30 Amp, 600 Volt Class, 1 Phase, 2 Pole, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	670.49	115.18
26 28 16 00-0412	EA	60 Amp, 600 Volt Class, 1 Phase, 2 Pole, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	703.69	139.04
26 28 16 00-0413	EA	100 Amp, 600 Volt Class, 1 Phase, 2 Pole, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	990.31	162.38
26 28 16 00-0414	EA	200 Amp, 600 Volt Class, 1 Phase, 2 Pole, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	1,550.84	256.29
26 28 16 00-0415	EA	400 Amp, 600 Volt Class, 1 Phase, 2 Pole, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	3,283.86	397.40
26 28 16 00-0416	EA	600 Amp, 600 Volt Class, 1 Phase, 2 Pole, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	6,372.32	587.79
26 28 16 00-0417		240 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 00-0402)</small>		
26 28 16 00-0418	EA	30 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	631.24	162.90
26 28 16 00-0419	EA	60 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	868.35	216.34



Electrical	26	26
Low-Voltage Electrical Distribution	26 20	
Low-Voltage Circuit Protective Devices	26 28	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 00-0420 EA 100 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	1,151.46	240.20
26 28 16 00-0421 EA 200 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	1,723.16	376.12
26 28 16 00-0422 EA 400 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	3,308.10	617.36
26 28 16 00-0423 EA 600 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	5,232.48	864.84
26 28 16 00-0424 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 00-0402)</small>		
26 28 16 00-0425 EA 30 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	817.79	180.02
26 28 16 00-0426 EA 60 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	948.44	240.20
26 28 16 00-0427 EA 100 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	1,346.34	270.29
26 28 16 00-0428 EA 200 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	1,970.78	411.93
26 28 16 00-0429 EA 400 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	4,008.45	665.10
26 28 16 00-0430 EA 600 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	7,362.33	960.81
26 28 16 00-0431 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 00-0402)</small>		
26 28 16 00-0432 EA 30 Amp, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	667.66	162.90
26 28 16 00-0433 EA 60 Amp, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	893.37	216.34
26 28 16 00-0434 EA 100 Amp, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	1,229.99	240.20
26 28 16 00-0435 EA 200 Amp, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	1,821.75	376.12
26 28 16 00-0436 EA 400 Amp, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	3,572.06	617.36
26 28 16 00-0437 EA 600 Amp, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	5,410.80	864.84
26 28 16 00-0438 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 00-0402)</small>		
26 28 16 00-0439 EA 30 Amp, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	860.01	180.02
26 28 16 00-0440 EA 60 Amp, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	1,061.06	240.20
26 28 16 00-0441 EA 100 Amp, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	1,423.77	270.29
26 28 16 00-0442 EA 200 Amp, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	2,118.59	411.93
26 28 16 00-0443 EA 400 Amp, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	4,247.76	665.10
26 28 16 00-0444 EA 600 Amp, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	7,559.40	960.81
26 28 16 00-0445 Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 00-0401)</small>		
26 28 16 00-0446 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 00-0445)</small>		
26 28 16 00-0447 EA 30 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	463.50	149.93
26 28 16 00-0448 EA 60 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	618.80	209.07
26 28 16 00-0449 EA 100 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	804.98	240.20
26 28 16 00-0450 EA 200 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	1,165.45	384.43
26 28 16 00-0451 EA 400 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	2,476.62	640.72
26 28 16 00-0452 EA 600 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	3,862.14	873.65
26 28 16 00-0453 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 00-0445)</small>		
26 28 16 00-0454 EA 30 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	515.93	165.50
26 28 16 00-0455 EA 60 Amp, Non-Fused, NEMA 12, Heavy Duty Disconnect Switch, 600 Volt, 1 Phase	688.58	234.50

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 28 Low-Voltage Circuit Protective Devices**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 00-0456 EA 100 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	896.83	266.66
26 28 16 00-0457 EA 200 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	1,266.35	417.63
26 28 16 00-0458 EA 400 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	2,626.52	686.37
26 28 16 00-0459 EA 600 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	4,266.83	960.81
26 28 16 00-0460 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switches (26 28 16 00-0445)		
26 28 16 00-0461 EA 30 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	597.81	134.89
26 28 16 00-0462 EA 60 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	792.61	187.81
26 28 16 00-0463 EA 100 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	1,035.07	216.34
26 28 16 00-0464 EA 200 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	1,499.63	346.04
26 28 16 00-0465 EA 400 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	3,068.46	576.38
26 28 16 00-0466 EA 600 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	4,768.72	785.97
26 28 16 00-0467 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switches (26 28 16 00-0445)		
26 28 16 00-0468 EA 30 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	595.20	148.90
26 28 16 00-0469 EA 60 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	861.70	211.15
26 28 16 00-0470 EA 100 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	1,113.85	240.20
26 28 16 00-0471 EA 200 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	1,501.49	376.12
26 28 16 00-0472 EA 400 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	3,103.99	617.36
26 28 16 00-0473 EA 600 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	5,635.77	864.84
26 28 16 00-0474 240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switches (26 28 16 00-0445)		
26 28 16 00-0475 EA 30 Amp, 240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	701.99	134.89
26 28 16 00-0476 EA 60 Amp, 240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	851.86	187.81
26 28 16 00-0477 EA 100 Amp, 240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	1,277.80	216.34
26 28 16 00-0478 EA 200 Amp, 240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	2,028.09	346.04
26 28 16 00-0479 EA 400 Amp, 240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	3,558.67	440.98
26 28 16 00-0480 600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switches (26 28 16 00-0445)		
26 28 16 00-0481 EA 30 Amp, 600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	734.56	148.90
26 28 16 00-0482 EA 60 Amp, 600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	932.09	211.15
26 28 16 00-0483 EA 100 Amp, 600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	1,370.76	240.20
26 28 16 00-0484 EA 200 Amp, 600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	2,096.24	376.12
26 28 16 00-0485 EA 400 Amp, 600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	3,852.36	581.05
26 28 16 00-0486 Double Throw Safety Switches (26 28 16 00-0001)		
26 28 16 00-0487 NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switches (26 28 16 00-0486)		
26 28 16 00-0488 240 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switches (26 28 16 00-0487)		
26 28 16 00-0489 EA 30 Amp, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	561.54	133.33
26 28 16 00-0490 EA 60 Amp, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	815.44	174.31
26 28 16 00-0491 EA 100 Amp, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	1,133.48	227.75
26 28 16 00-0492 EA 200 Amp, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	1,506.85	296.23
26 28 16 00-0493 EA 400 Amp, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	3,424.68	370.42
26 28 16 00-0494 EA 600 Amp, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	6,181.17	594.02



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 00-0495 EA 800 Amp, Double Throw Safety Switch, 240 Volt, 2 Pole, Non-Fusible, NEMA 1 Enclosure.....	7,182.26	830.07
26 28 16 00-0496 EA 1,000 Amp, Double Throw Safety Switch, 240 Volt, 2 Pole, Non-Fusible, NEMA 1 Enclosure.....	10,406.69	933.83
26 28 16 00-0497 EA 1,200 Amp, Double Throw Safety Switch, 240 Volt, 2 Pole, Non-Fusible, NEMA 1 Enclosure.....	12,223.54	1,037.59
26 28 16 00-0498 240 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switches <small>(26 28 16 00-0487)</small>		
26 28 16 00-0499 EA 30 Amp, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	719.93	186.76
26 28 16 00-0500 EA 60 Amp, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	994.55	243.84
26 28 16 00-0501 EA 100 Amp, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	1,467.27	319.06
26 28 16 00-0502 EA 200 Amp, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	2,121.68	415.03
26 28 16 00-0503 EA 400 Amp, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	4,724.19	518.80
26 28 16 00-0504 EA 600 Amp, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	6,658.22	830.07
26 28 16 00-0505 EA 800 Amp, Double Throw Safety Switch, 240 Volt, 3 Pole, Non-Fusible, NEMA 1 Enclosure.....	7,770.06	933.83
26 28 16 00-0506 EA 1,000 Amp, Double Throw Safety Switch, 240 Volt, 3 Pole, Non-Fusible, NEMA 1 Enclosure.....	10,930.15	1,037.59
26 28 16 00-0507 EA 1,200 Amp, Double Throw Safety Switch, 240 Volt, 3 Pole, Non-Fusible, NEMA 1 Enclosure.....	12,904.22	1,141.35
26 28 16 00-0508 240 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switches <small>(26 28 16 00-0487)</small>		
26 28 16 00-0509 EA 30 Amp, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	947.52	233.46
26 28 16 00-0510 EA 60 Amp, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	1,357.10	305.06
26 28 16 00-0511 EA 100 Amp, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	2,320.71	398.43
26 28 16 00-0512 EA 200 Amp, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	3,161.96	517.76
26 28 16 00-0513 EA 400 Amp, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	6,129.61	648.50
26 28 16 00-0514 EA 600 Amp, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	7,889.55	1,039.15
26 28 16 00-0515 EA 800 Amp, Double Throw Safety Switch, 240 Volt, 4 Pole, Non-Fusible, NEMA 1 Enclosure.....	9,878.38	1,141.35
26 28 16 00-0516 EA 1,000 Amp, Double Throw Safety Switch, 240 Volt, 4 Pole, Non-Fusible, NEMA 1 Enclosure.....	12,941.21	1,193.23
26 28 16 00-0517 EA 1,200 Amp, Double Throw Safety Switch, 240 Volt, 4 Pole, Non-Fusible, NEMA 1 Enclosure.....	14,458.51	1,245.11
26 28 16 00-0518 600 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switches <small>(26 28 16 00-0487)</small>		
26 28 16 00-0519 EA 60 Amp, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	925.27	174.31
26 28 16 00-0520 EA 100 Amp, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	1,370.10	227.75
26 28 16 00-0521 EA 200 Amp, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	1,995.48	296.23
26 28 16 00-0522 EA 400 Amp, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	4,504.74	370.42
26 28 16 00-0523 EA 600 Amp, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	6,687.58	594.02
26 28 16 00-0524 EA 800 Amp, Double Throw Safety Switch, 600 Volt, 2 Pole, Non-Fusible, NEMA 1 Enclosure.....	7,734.47	830.07
26 28 16 00-0525 EA 1,000 Amp, Double Throw Safety Switch, 600 Volt, 2 Pole, Non-Fusible, NEMA 1 Enclosure.....	11,260.60	933.83
26 28 16 00-0526 EA 1,200 Amp, Double Throw Safety Switch, 600 Volt, 2 Pole, Non-Fusible, NEMA 1 Enclosure.....	13,238.37	1,037.59
26 28 16 00-0527 600 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switches <small>(26 28 16 00-0487)</small>		
26 28 16 00-0528 EA 60 Amp, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	1,064.17	243.84
26 28 16 00-0529 EA 100 Amp, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	1,552.23	319.06
26 28 16 00-0530 EA 200 Amp, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	2,232.07	415.03
26 28 16 00-0531 EA 400 Amp, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	4,801.24	518.80
26 28 16 00-0532 EA 600 Amp, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	7,160.94	830.07
26 28 16 00-0533 EA 800 Amp, Double Throw Safety Switch, 600 Volt, 3 Pole, Non-Fusible, NEMA 1 Enclosure.....	8,360.30	933.83
26 28 16 00-0534 EA 1,000 Amp, Double Throw Safety Switch, 600 Volt, 3 Pole, Non-Fusible, NEMA 1 Enclosure.....	11,815.64	1,037.59
26 28 16 00-0535 EA 1,200 Amp, Double Throw Safety Switch, 600 Volt, 3 Pole, Non-Fusible, NEMA 1 Enclosure.....	13,966.37	1,141.35
26 28 16 00-0536 600 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switches <small>(26 28 16 00-0487)</small>		
26 28 16 00-0537 EA 60 Amp, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	1,425.97	305.06
26 28 16 00-0538 EA 100 Amp, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	2,419.81	398.43
26 28 16 00-0539 EA 200 Amp, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	3,367.73	517.76
26 28 16 00-0540 EA 400 Amp, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	6,567.19	648.50
26 28 16 00-0541 EA 600 Amp, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	8,378.62	1,039.15
26 28 16 00-0542 EA 800 Amp, Double Throw Safety Switch, 600 Volt, 4 Pole, Non-Fusible, NEMA 1 Enclosure.....	10,637.95	1,141.35
26 28 16 00-0543 EA 1,000 Amp, Double Throw Safety Switch, 600 Volt, 4 Pole, Non-Fusible, NEMA 1 Enclosure.....	13,996.68	1,193.23
26 28 16 00-0544 EA 1,200 Amp, Double Throw Safety Switch, 600 Volt, 4 Pole, Non-Fusible, NEMA 1 Enclosure.....	15,655.34	1,245.11
26 28 16 00-0545 NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switches <small>(26 28 16 00-0486)</small>		
26 28 16 00-0546 240 Volt Class, 2 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switches <small>(26 28 16 00-0545)</small>		
26 28 16 00-0547 EA 100 Amp, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch.....	1,382.32	227.75
26 28 16 00-0548 EA 200 Amp, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch.....	3,034.20	296.23
26 28 16 00-0549 EA 400 Amp, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch.....	9,577.39	370.42
26 28 16 00-0550 EA 600 Amp, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch.....	16,468.57	594.02

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 28 Low-Voltage Circuit Protective Devices**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 00-0551 240 Volt Class, 3 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switches <small>(26 28 16 00-0545)</small>		
26 28 16 00-0552 EA 100 Amp, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch.....	1,824.10	318.54
26 28 16 00-0553 EA 200 Amp, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch.....	2,884.74	414.52
26 28 16 00-0554 EA 400 Amp, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch.....	9,957.15	518.80
26 28 16 00-0555 EA 600 Amp, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch.....	10,982.13	831.63
26 28 16 00-0556 240 Volt Class, 4 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switches <small>(26 28 16 00-0545)</small>		
26 28 16 00-0557 EA 30 Amp, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch.....	1,713.90	233.56
26 28 16 00-0558 EA 60 Amp, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch.....	2,134.57	304.84
26 28 16 00-0559 EA 100 Amp, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch.....	2,975.11	398.33
26 28 16 00-0560 EA 200 Amp, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch.....	4,268.31	517.97
26 28 16 00-0561 EA 400 Amp, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch.....	7,107.56	648.50
26 28 16 00-0562 EA 600 Amp, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch.....	8,460.56	1,039.25
26 28 16 00-0563 600 Volt Class, 2 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switches <small>(26 28 16 00-0545)</small>		
26 28 16 00-0564 EA 60 Amp, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch.....	1,161.00	174.31
26 28 16 00-0565 EA 100 Amp, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch.....	1,744.50	227.75
26 28 16 00-0566 EA 200 Amp, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch.....	3,104.60	296.23
26 28 16 00-0567 EA 400 Amp, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch.....	5,853.79	370.42
26 28 16 00-0568 EA 600 Amp, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch.....	7,882.89	594.02
26 28 16 00-0569 600 Volt Class, 3 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switches <small>(26 28 16 00-0545)</small>		
26 28 16 00-0570 EA 60 Amp, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch.....	1,343.32	243.84
26 28 16 00-0571 EA 100 Amp, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch.....	1,994.64	318.54
26 28 16 00-0572 EA 200 Amp, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch.....	3,473.38	414.52
26 28 16 00-0573 EA 400 Amp, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch.....	6,419.40	518.80
26 28 16 00-0574 EA 600 Amp, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch.....	8,708.14	831.63
26 28 16 00-0575 600 Volt Class, 4 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switches <small>(26 28 16 00-0545)</small>		
26 28 16 00-0576 EA 60 Amp, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch.....	2,150.49	304.84
26 28 16 00-0577 EA 100 Amp, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch.....	2,982.41	398.33
26 28 16 00-0578 EA 200 Amp, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch.....	4,369.65	517.97
26 28 16 00-0579 EA 400 Amp, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch.....	7,095.59	648.50
26 28 16 00-0580 EA 600 Amp, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch.....	8,526.51	1,039.25
26 28 16 00-0581 NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switches <small>(26 28 16 00-0486)</small>		
26 28 16 00-0582 240 Volt Class, 2 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switches <small>(26 28 16 00-0581)</small>		
26 28 16 00-0583 EA 30 Amp, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch.....	1,339.32	133.44
26 28 16 00-0584 EA 60 Amp, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch.....	1,530.91	174.21
26 28 16 00-0585 EA 100 Amp, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch.....	1,750.66	227.65
26 28 16 00-0586 EA 200 Amp, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch.....	2,396.63	296.03
26 28 16 00-0587 EA 400 Amp, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch.....	4,367.99	370.52
26 28 16 00-0588 EA 600 Amp, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch.....	6,436.72	593.81
26 28 16 00-0589 240 Volt Class, 3 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switches <small>(26 28 16 00-0581)</small>		
26 28 16 00-0590 EA 30 Amp, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch.....	1,559.28	186.76
26 28 16 00-0591 EA 60 Amp, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch.....	1,858.05	243.84
26 28 16 00-0592 EA 100 Amp, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch.....	2,222.65	318.54
26 28 16 00-0593 EA 200 Amp, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch.....	3,080.87	414.52
26 28 16 00-0594 EA 400 Amp, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch.....	5,472.99	518.80
26 28 16 00-0595 EA 600 Amp, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch.....	7,319.86	831.63
26 28 16 00-0596 240 Volt Class, 4 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switches <small>(26 28 16 00-0581)</small>		
26 28 16 00-0597 EA 30 Amp, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch.....	2,301.98	233.56
26 28 16 00-0598 EA 60 Amp, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch.....	2,712.31	304.84
26 28 16 00-0599 EA 100 Amp, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch.....	3,706.88	398.33
26 28 16 00-0600 EA 200 Amp, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch.....	5,022.56	517.97
26 28 16 00-0601 EA 400 Amp, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch.....	9,109.88	648.50
26 28 16 00-0602 EA 600 Amp, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch.....	11,458.50	1,039.25



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 00-0603				600 Volt Class, 2 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switches <small>(26 28 16 00-0581)</small>		
26 28 16 00-0604	EA			60 Amp, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	1,986.22	174.21
26 28 16 00-0605	EA			100 Amp, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	2,115.39	227.65
26 28 16 00-0606	EA			200 Amp, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	3,929.19	296.03
26 28 16 00-0607	EA			400 Amp, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	5,635.93	370.52
26 28 16 00-0608	EA			600 Amp, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	7,626.21	593.81
26 28 16 00-0609				600 Volt Class, 3 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switches <small>(26 28 16 00-0581)</small>		
26 28 16 00-0610	EA			60 Amp, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	2,211.79	243.84
26 28 16 00-0611	EA			100 Amp, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	2,384.99	318.54
26 28 16 00-0612	EA			200 Amp, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	4,341.34	414.52
26 28 16 00-0613	EA			400 Amp, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	6,189.87	518.80
26 28 16 00-0614	EA			600 Amp, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	8,437.67	831.63
26 28 16 00-0615				600 Volt Class, 4 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switches <small>(26 28 16 00-0581)</small>		
26 28 16 00-0616	EA			60 Amp, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	2,738.25	304.84
26 28 16 00-0617	EA			100 Amp, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	3,898.22	398.33
26 28 16 00-0618	EA			200 Amp, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	5,135.34	517.97
26 28 16 00-0619	EA			400 Amp, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	9,352.63	648.50
26 28 16 00-0620	EA			600 Amp, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	11,780.26	1,039.25
26 28 16 00-0621				Removal And Reinstallation Of Disconnect Switches <small>(26 28 16 00-0001)</small> Note: Includes storage and cleaning.		
26 28 16 00-0622	EA			Removal And Reinstallation Of Up To 100 Amp Safety Disconnect Switch.....	518.80	
26 28 16 00-0623	EA			Removal And Reinstallation Of >100 To 200 Amp Safety Disconnect Switch	674.47	
26 28 16 00-0624	EA			Removal And Reinstallation Of >200 To 300 Amp Safety Disconnect Switch	752.31	
26 28 16 00-0625	EA			Removal And Reinstallation Of >300 To 400 Amp Safety Disconnect Switch	882.01	
26 28 16 00-0626				Bolted Contact Switches <small>(26 28 16)</small> Note: Work includes mounting, material handling, uploading at job site and termination of all conductors entering and leaving the switch.		
26 28 16 00-0627				Electrical Trip, Bolted Contact Switches <small>(26 28 16 00-0626)</small>		
26 28 16 00-0628				Top Feed, Electrical Trip, Bolted Contact Switches <small>(26 28 16 00-0627)</small>		
26 28 16 00-0629	EA			800 Amp, Top Feed, Electrical Trip, Bolted Contact Switch (Eaton CB0833T120480).....	5,906.72	1,037.59
26 28 16 00-0630	EA			1,200 Amp, Top Feed, Electrical Trip, Bolted Contact Switch (Eaton CB1233T120480).....	6,486.15	1,245.11
26 28 16 00-0631	EA			1,600 Amp, Top Feed, Electrical Trip, Bolted Contact Switch (Eaton CB1633T120480).....	7,131.96	1,452.63
26 28 16 00-0632	EA			2,000 Amp, Top Feed, Electrical Trip, Bolted Contact Switch (Eaton CB2033T120480).....	7,626.05	1,660.15
26 28 16 00-0633	EA			2,500 Amp, Top Feed, Electrical Trip, Bolted Contact Switch (Eaton CB2533T120480).....	8,606.95	1,867.66
26 28 16 00-0634	EA			3,000 Amp, Top Feed, Electrical Trip, Bolted Contact Switch (Eaton CB3033T120480).....	10,593.17	2,075.18
26 28 16 00-0635	EA			4,000 Amp, Top Feed, Electrical Trip, Bolted Contact Switch (Eaton CB4033T120480).....	14,047.15	2,490.22
26 28 16 00-0636				Bottom Feed, Electrical Trip, Bolted Contact Switches <small>(26 28 16 00-0627)</small>		
26 28 16 00-0637	EA			800 Amp, Bottom Feed, Electrical Trip, Bolted Contact Switch (Eaton CB0833B120480)	6,213.37	1,037.59
26 28 16 00-0638	EA			1,200 Amp, Bottom Feed, Electrical Trip, Bolted Contact Switch (Eaton CB1233B120480)	6,852.87	1,245.11
26 28 16 00-0639	EA			1,600 Amp, Bottom Feed, Electrical Trip, Bolted Contact Switch (Eaton CB1633B120480)	7,495.52	1,452.63
26 28 16 00-0640	EA			2,000 Amp, Bottom Feed, Electrical Trip, Bolted Contact Switch (Eaton CB2033B120480)	8,147.67	1,660.15
26 28 16 00-0641	EA			2,500 Amp, Bottom Feed, Electrical Trip, Bolted Contact Switch (Eaton CB2533B120480)	9,169.67	1,867.66
26 28 16 00-0642	EA			3,000 Amp, Bottom Feed, Electrical Trip, Bolted Contact Switch (Eaton CB3033B120480)	11,649.06	2,075.18
26 28 16 00-0643	EA			4,000 Amp, Bottom Feed, Electrical Trip, Bolted Contact Switch (Eaton CB4033B120480)	15,147.30	2,490.22
26 28 16 00-0644				Manually Operated, Bolted Contact Switches <small>(26 28 16 00-0626)</small>		
26 28 16 00-0645				Top Feed, Manually Operated, Bolted Contact Switches <small>(26 28 16 00-0644)</small>		
26 28 16 00-0646	EA			800 Amp, Top Feed, Manually Operated, Bolted Contact Switch (Eaton QA0833T480).....	4,528.38	1,037.59
26 28 16 00-0647	EA			1,200 Amp, Top Feed, Manually Operated, Bolted Contact Switch (Eaton QA1233T480)	5,124.25	1,245.11
26 28 16 00-0648	EA			1,600 Amp, Top Feed, Manually Operated, Bolted Contact Switch (Eaton QA1633T480)	5,746.03	1,452.63
26 28 16 00-0649	EA			2,000 Amp, Top Feed, Manually Operated, Bolted Contact Switch (Eaton QA2033T480)	6,364.04	1,660.15
26 28 16 00-0650	EA			2,500 Amp, Top Feed, Manually Operated, Bolted Contact Switch (Eaton QA2533T480)	7,013.64	1,867.66
26 28 16 00-0651	EA			3,000 Amp, Top Feed, Manually Operated, Bolted Contact Switch (Eaton QA3033T480)	8,999.86	2,075.18
26 28 16 00-0652	EA			4,000 Amp, Top Feed, Manually Operated, Bolted Contact Switch (Eaton QA4033T480)	12,415.90	2,490.22
26 28 16 00-0653				Bottom Feed, Manually Operated, Bolted Contact Switches <small>(26 28 16 00-0644)</small>		
26 28 16 00-0654	EA			800 Amp, Bottom Feed, Manually Operated, Bolted Contact Switch (Eaton QA0833B480).....	4,731.34	1,037.59
26 28 16 00-0655	EA			1,200 Amp, Bottom Feed, Manually Operated, Bolted Contact Switch (Eaton QA1233B480).....	5,430.90	1,245.11
26 28 16 00-0656	EA			1,600 Amp, Bottom Feed, Manually Operated, Bolted Contact Switch (Eaton QA1633B480).....	6,043.20	1,452.63
26 28 16 00-0657	EA			2,000 Amp, Bottom Feed, Manually Operated, Bolted Contact Switch (Eaton QA2033B480).....	6,756.68	1,660.15
26 28 16 00-0658	EA			2,500 Amp, Bottom Feed, Manually Operated, Bolted Contact Switch (Eaton QA2533B480).....	7,506.81	1,867.66
26 28 16 00-0659	EA			3,000 Amp, Bottom Feed, Manually Operated, Bolted Contact Switch (Eaton QA3033B480).....	9,976.71	2,075.18

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 28 Low-Voltage Circuit Protective Devices**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 00-0660	EA	4,000 Amp, Bottom Feed, Manually Operated, Bolted Contact Switch (Eaton QA4033B480).....	13,440.18	2,490.22
26 29 Low-Voltage Controllers <small>(26 20)</small>				
26 29 13 Enclosed Controllers <small>(26 29)</small>				
26 29 13 13 Across-The-Line Motor Controllers <small>(26 29 13)</small>				
26 29 13 13-0001 Manual Motor Starters <small>(26 29 13 13)</small>				
26 29 13 13-0002 Fractional HP Manual Motor Starters <small>(26 29 13 13-0001)</small>				
26 29 13 13-0003	EA	NEMA 1, 1 Pole, Toggle Operator, Up To 1 HP, Manual Motor Starter With Thermal Overload Protection (Square D 2510FG1).....	165.17	51.95
		<i>For Flush Cover Plate In Lieu Of NEMA 1, Deduct</i>	-1.71	
		<i>For Oversized Enclosure, Add</i>	17.10	
		<i>For Pilot Light, Add</i>	25.08	
26 29 13 13-0004	EA	NEMA 1, 2 Pole, Toggle Operator, Up To 1 HP, Manual Motor Starter With Thermal Overload Protection (Square D 2510FG2).....	216.02	67.53
		<i>For Flush Cover Plate In Lieu Of NEMA 1, Deduct</i>	-1.71	
		<i>For Oversized Enclosure, Add</i>	17.10	
		<i>For Pilot Light, Add</i>	25.08	
26 29 13 13-0005	EA	NEMA 1, 1 Pole, Key Operator, Up To 1 HP, Manual Motor Starter With Thermal Overload Protection (Square D 2510FG3).....	182.27	51.95
		<i>For Flush Cover Plate In Lieu Of NEMA 1, Deduct</i>	-1.71	
		<i>For Oversized Enclosure, Add</i>	17.10	
		<i>For Pilot Light, Add</i>	25.08	
26 29 13 13-0006	EA	NEMA 1, 2 Pole, Key Operator, Up To 1 HP, Manual Motor Starter With Thermal Overload Protection (Square D 2510FG4).....	233.12	67.53
		<i>For Flush Cover Plate In Lieu Of NEMA 1, Deduct</i>	-1.71	
		<i>For Oversized Enclosure, Add</i>	17.10	
		<i>For Pilot Light, Add</i>	25.08	
26 29 13 13-0007	EA	NEMA 1, Handle Guard/Lockoff, 1 Pole, Toggle Operator, Up To 1 HP, Manual Motor Starter With Thermal Overload Protection (Square D 2510FG5).....	172.58	51.95
		<i>For Oversized Enclosure, Add</i>	17.10	
26 29 13 13-0008	EA	NEMA 1, Handle Guard/Lockoff, 2 Pole, Toggle Operator, Up To 1 HP, Manual Motor Starter With Thermal Overload Protection (Square D 2510FG6).....	225.71	67.53
		<i>For Oversized Enclosure, Add</i>	17.10	
26 29 13 13-0009	EA	NEMA 4, Handle Guard/Lockoff, 1 Pole, Toggle Operator, Up To 1 HP, Manual Motor Starter With Thermal Overload Protection (Square D 2510FW1).....	319.34	62.33
		<i>For Pilot Light, Add</i>	65.55	
26 29 13 13-0010	EA	NEMA 4, Handle Guard/Lockoff, 2 Pole, Toggle Operator, Up To 1 HP, Manual Motor Starter With Thermal Overload Protection (Square D 2510FW2).....	371.88	77.92
		<i>For Pilot Light, Add</i>	65.55	
26 29 13 13-0011	EA	NEMA 3R, 7 And 9, Handle Guard/Lockoff, 1 Pole, Toggle Operator, Up To 1 HP, Manual Motor Starter With Thermal Overload Protection (Square D 2510FR1).....	336.44	62.33
26 29 13 13-0012	EA	NEMA 3R, 7 And 9, Handle Guard/Lockoff, 2 Pole, Toggle Operator, Up To 1 HP, Manual Motor Starter With Thermal Overload Protection (Square D 2510FR2).....	387.27	77.92
26 29 13 13-0013 Non Reversing Manual Motor Starters <small>(26 29 13 13-0001)</small>				
26 29 13 13-0014	EA	NEMA 1, Non Reversing, 2 Pole, Toggle Operator, 2 HP At 115 Volt, 2 HP At 230 Volt, 3 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KG1).....	140.19	51.95
		Note: NEMA 1 or flush cover plate installation.		
		<i>For Oversize Enclosure, Add</i>	8.25	
		<i>For Pilot Light, Add</i>	39.60	
26 29 13 13-0015	EA	NEMA 1, Non Reversing, 3 Pole, Toggle Operator, 2 HP At 115 Volt, 7-1/2 HP At 230 Volt, 10 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KG2).....	217.02	67.53
		Note: NEMA 1 or flush cover plate installation.		
		<i>For Oversize Enclosure, Add</i>	8.25	
		<i>For Pilot Light, Add</i>	39.60	
26 29 13 13-0016	EA	NEMA 1, Non Reversing, 2 Pole, Toggle Operator, 2 HP At 115 Volt, 3 HP At 230 Volt, 7-1/2 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KG5).....	157.18	57.15
		Note: NEMA 1 or flush cover plate installation.		
		<i>For Oversize Enclosure, Add</i>	8.25	
		<i>For Pilot Light, Add</i>	39.60	
26 29 13 13-0017	EA	NEMA 1, Non Reversing, 3 Pole, Toggle Operator, 2 HP At 115 Volt, 7-1/2 HP At 230 Volt, 15 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KG6).....	234.55	72.73
		Note: NEMA 1 or flush cover plate installation.		
		<i>For Oversize Enclosure, Add</i>	8.25	
		<i>For Pilot Light, Add</i>	39.60	
26 29 13 13-0018	EA	NEMA 1, Non Reversing, 2 Pole, Key Operator, 2 HP At 115 Volt, 2 HP At 230 Volt, 3 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KG3).....	156.14	51.95
		Note: NEMA 1 or flush cover plate installation.		
		<i>For Oversize Enclosure, Add</i>	8.25	
		<i>For Pilot Light, Add</i>	39.60	
26 29 13 13-0019	EA	NEMA 1, Non Reversing, 3 Pole, Key Operator, 2 HP At 115 Volt, 7-1/2 HP At 230 Volt, 10 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KG4).....	233.52	67.53
		Note: NEMA 1 or flush cover plate installation.		
		<i>For Oversize Enclosure, Add</i>	8.25	
		<i>For Pilot Light, Add</i>	39.60	
26 29 13 13-0020	EA	NEMA 4, Non Reversing, 2 Pole, Toggle Operator, 2 HP At 115 Volt, 2 HP At 230 Volt, 3 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KW1).....	297.38	62.33
		<i>For Pilot Light, Add</i>	62.70	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 29 13 13-0021 EA NEMA 4, Non Reversing, 3 Pole, Toggle Operator, 2 HP At 115 Volt, 7-1/2 HP At 230 Volt, 10 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KW2).....	368.14	77.92
<i>For Pilot Light, Add</i>	62.70	
26 29 13 13-0022 EA NEMA 4, Non Reversing, 2 Pole, Toggle Operator, 2 HP At 115 Volt, 3 HP At 230 Volt, 7-1/2 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KW5).....	314.92	67.53
<i>For Pilot Light, Add</i>	62.70	
26 29 13 13-0023 EA NEMA 4, Non Reversing, 3 Pole, Toggle Operator, 2 HP At 115 Volt, 7-1/2 HP At 230 Volt, 15 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KW6).....	384.04	83.12
<i>For Pilot Light, Add</i>	62.70	
26 29 13 13-0024 EA NEMA 3R, 7 And 9, Non Reversing, 2 Pole, Toggle Operator, 2 HP At 115 Volt, 2 HP At 230 Volt, 3 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KR1).....	312.78	62.33
26 29 13 13-0025 EA NEMA 3R, 7 And 9, Non Reversing, 3 Pole, Toggle Operator, 2 HP At 115 Volt, 7-1/2 HP At 230 Volt, 10 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KR2).....	387.94	77.92
26 29 13 13-0026 EA Open Type, Non Reversing, 2 Pole, Toggle Operator, 2 HP At 115 Volt, 2 HP At 230 Volt, 3 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KO1)	101.33	36.36
<i>For Pilot Light, Add</i>	39.60	
26 29 13 13-0027 EA Open Type, Non Reversing, 3 Pole, Toggle Operator, 2 HP At 115 Volt, 7-1/2 HP At 230 Volt, 10 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KO2)	178.14	51.95
<i>For Pilot Light, Add</i>	39.60	
26 29 13 13-0028 EA Open Type, Non Reversing, 2 Pole, Toggle Operator, 2 HP At 115 Volt, 3 HP At 230 Volt, 7-1/2 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KO5)	118.32	41.56
<i>For Pilot Light, Add</i>	39.60	
26 29 13 13-0029 EA Open Type, Non Reversing, 3 Pole, Toggle Operator, 2 HP At 115 Volt, 7-1/2 HP At 230 Volt, 15 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KO6)	195.13	57.15
<i>For Pilot Light, Add</i>	39.60	
26 29 13 13-0030 Reversing Manual Motor Starters (26 29 13 13-0001)		
26 29 13 13-0031 EA NEMA 1, Reversing, 2 Pole, Toggle Operator, 2 HP At 115 Volt, 2 HP At 230 Volt, 3 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2511KG11)	344.86	93.51
<i>For Pilot Light, Add</i>	63.80	
26 29 13 13-0032 EA NEMA 1, Reversing, 3 Pole, Toggle Operator, 2 HP At 115 Volt, 7-1/2 HP At 230 Volt, 10 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2511KG22)	491.90	124.68
<i>For Pilot Light, Add</i>	63.80	
26 29 13 13-0033 Two Speed Manual Motor Starters (26 29 13 13-0001)		
26 29 13 13-0034 EA NEMA 1, Two Speed, 2 Pole, Toggle Operator, 2 HP At 115 Volt, 2 HP At 230 Volt, 3 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2512KG11)	344.86	93.51
26 29 13 13-0035 EA NEMA 1, Two Speed, 3 Pole, Toggle Operator, 2 HP At 115 Volt, 7-1/2 HP At 230 Volt, 10 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2512KG22)	491.90	124.68
26 29 13 13-0036 Non-Reversing Integral HP Manual Motor Starters (26 29 13 13-0001)		
26 29 13 13-0037 EA NEMA 1, Non-Reversing Integral HP, 2 Pole, Push Button Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2510MBG1)	299.68	62.33
26 29 13 13-0038 EA NEMA 1, Non-Reversing Integral HP, 2 Pole, Toggle Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2510TBG1)	299.68	62.33
26 29 13 13-0039 EA NEMA 4, Non-Reversing Integral HP, 2 Pole, Push Button Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2510MBW11).....	580.37	72.73
26 29 13 13-0040 EA NEMA 4X, Non-Reversing Integral HP, 2 Pole, External Toggle Operator To Actuate A Push Button Operator Inside, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2510MBW1).....	580.37	72.73
26 29 13 13-0041 EA NEMA 7 And 9, Non-Reversing Integral HP, 2 Pole, External Toggle Operator To Actuate A Push Button Operator Inside, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2510MBR1).....	742.25	72.73
26 29 13 13-0042 EA Type 12, Non-Reversing Integral HP, 2 Pole, Push Button Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2510MBA1).....	376.88	72.73
26 29 13 13-0043 EA Open, Non-Reversing Integral HP, 2 Pole, Push Button Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2510MBO1)	251.41	46.76
26 29 13 13-0044 EA NEMA 1, Non-Reversing Integral HP, 2 Pole, Push Button Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCG1)	351.11	67.53
26 29 13 13-0045 EA NEMA 1, Non-Reversing Integral HP, 2 Pole, Toggle Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2510TCG1).....	351.11	67.53
26 29 13 13-0046 EA NEMA 4, Non-Reversing Integral HP, 2 Pole, Push Button Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCW11)	688.23	77.92
26 29 13 13-0047 EA NEMA 4X, Non-Reversing Integral HP, 2 Pole, External Toggle Operator To Actuate A Push Button Operator Inside, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCW1).....	688.23	77.92
26 29 13 13-0048 EA NEMA 7 And 9, Non-Reversing Integral HP, 2 Pole, External Toggle Operator To Actuate A Push Button Operator Inside, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCR1).....	862.65	77.92
26 29 13 13-0049 EA Type 12, Non-Reversing Integral HP, 2 Pole, Push Button Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCA1)	428.31	77.92
26 29 13 13-0050 EA Open, Non-Reversing Integral HP, 2 Pole, Push Button Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCO1).....	302.83	51.95
26 29 13 13-0051 EA NEMA 1, Non-Reversing Integral HP, 2 Pole, Push Button Operator, NEMA Size M-1P, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCG2).....	449.84	72.73
26 29 13 13-0052 EA NEMA 1, Non-Reversing Integral HP, 2 Pole, Toggle Operator, NEMA Size M-1P, Manual Motor Starter With Thermal Overload Protection (Square D 2510TCG2).....	449.84	72.73
26 29 13 13-0053 EA NEMA 4, Non-Reversing Integral HP, 2 Pole, Push Button Operator, NEMA Size M-1P, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCW12)	811.49	83.12
26 29 13 13-0054 EA NEMA 4X, Non-Reversing Integral HP, 2 Pole, External Toggle Operator To Actuate A Push Button Operator Inside, NEMA Size M-1P, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCW2)	811.49	83.12
26 29 13 13-0055 EA NEMA 7 And 9, Non-Reversing Integral HP, 2 Pole, External Toggle Operator To Actuate A Push Button Operator Inside, NEMA Size M-1P, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCR2)	978.50	83.12
26 29 13 13-0056 EA Type 12, Non-Reversing Integral HP, 2 Pole, Push Button Operator, NEMA Size M-1P, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCA2)	528.77	83.12

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 29 Low-Voltage Controllers**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 29 13 13-0057 EA Open, Non-Reversing Integral HP, 2 Pole, Push Button Operator, NEMA Size M-1P, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCO2).....	403.28	57.15
26 29 13 13-0058 EA NEMA 1, Non-Reversing Integral HP, 3 Pole, Push Button Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2510MBG2).....	371.60	77.92
26 29 13 13-0059 EA NEMA 1, Non-Reversing Integral HP, 3 Pole, Toggle Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2510TBG2).....	371.60	77.92
26 29 13 13-0060 EA NEMA 4, Non-Reversing Integral HP, 3 Pole, Push Button Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2510MBW12).....	652.31	88.31
26 29 13 13-0061 EA NEMA 4X, Non-Reversing Integral HP, 3 Pole, External Toggle Operator To Actuate A Push Button Operator Inside, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2510MBW2).....	652.31	88.31
26 29 13 13-0062 EA NEMA 7 And 9, Non-Reversing Integral HP, 3 Pole, External Toggle Operator To Actuate A Push Button Operator Inside, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2510MBR2).....	818.75	88.31
26 29 13 13-0063 EA Type 12, Non-Reversing Integral HP, 3 Pole, Push Button Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2510MBA2).....	449.39	88.31
26 29 13 13-0064 EA Open, Non-Reversing Integral HP, 3 Pole, Push Button Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2510MBO2).....	325.05	62.33
26 29 13 13-0065 EA NEMA 1, Non-Reversing Integral HP, 3 Pole, Push Button Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCG3).....	423.04	83.12
26 29 13 13-0066 EA NEMA 1, Non-Reversing Integral HP, 3 Pole, Toggle Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2510TCG3).....	423.04	83.12
26 29 13 13-0067 EA NEMA 4, Non-Reversing Integral HP, 3 Pole, Push Button Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCW13).....	760.16	93.51
26 29 13 13-0068 EA NEMA 4X, Non-Reversing Integral HP, 3 Pole, External Toggle Operator To Actuate A Push Button Operator Inside, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCMW3).....	760.16	93.51
26 29 13 13-0069 EA NEMA 7 And 9, Non-Reversing Integral HP, 3 Pole, External Toggle Operator To Actuate A Push Button Operator Inside, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCR3).....	938.57	93.51
26 29 13 13-0070 EA Type 12, Non-Reversing Integral HP, 3 Pole, Push Button Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCA3).....	500.24	93.51
26 29 13 13-0071 EA Open, Non-Reversing Integral HP, 3 Pole, Push Button Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCO3).....	374.77	67.53
26 29 13 13-0072 Reversing Integral HP Manual Motor Starters (26 29 13 13-0001)		
26 29 13 13-0073 EA NEMA 1, Reversing Integral HP, 3 Pole, Push Button Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2511MBG1).....	815.84	109.09
26 29 13 13-0074 EA NEMA 1, Reversing Integral HP, 3 Pole, Toggle Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2511TBG1).....	815.84	109.09
26 29 13 13-0075 EA Open, Reversing Integral HP, 3 Pole, Push Button Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2511MBO1).....	705.05	77.92
26 29 13 13-0076 EA NEMA 1, Reversing Integral HP, 3 Pole, Push Button Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2511MCG1).....	958.03	119.48
26 29 13 13-0077 EA Open, Reversing Integral HP, 3 Pole, Push Button Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2511MCO1).....	847.25	88.31
26 29 13 13-0078 Two Speed Integral HP Manual Motor Starters (26 29 13 13-0001)		
26 29 13 13-0079 EA NEMA 1, Two Speed Integral HP, 3 Pole, Push Button Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2512MBG1).....	815.84	109.09
26 29 13 13-0080 EA Open, Two Speed Integral HP, 3 Pole, Push Button Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2512MBO1).....	705.05	77.92
26 29 13 13-0081 EA NEMA 1, Two Speed Integral HP, 3 Pole, Push Button Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2512MCG1).....	958.03	119.48
26 29 13 13-0082 EA Open, Two Speed Integral HP, 3 Pole, Push Button Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2512MCO1).....	847.25	88.31
26 29 13 13-0083 Magnetic Motor Starters (26 29 13 13)		
26 29 13 13-0084 Non Reversing, Magnetic Contactors (26 29 13 13-0083)		
26 29 13 13-0085 Open Enclosure, Non Reversing, Magnetic Contactors (26 29 13 13-0084)		
26 29 13 13-0086 EA Size 00, 1 Phase, 2 Pole, 1-1/2 HP At 200/230 Volt, 2 HP At 460/575 Volt, 9 Amp, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SAO11).....	371.39	103.89
<i>For Factory Installed Accessory, Deduct</i>	-207.80	
26 29 13 13-0087 EA Size 00, 3 Phase, 3 Pole, 1-1/2 HP At 200/230 Volt, 2 HP At 460/575 Volt, 9 Amp, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SAO12).....	416.10	114.28
<i>For Factory Installed Accessory, Deduct</i>	-228.57	
26 29 13 13-0088 EA Size 0, 1 Phase, 1 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amp, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SBO5).....	395.33	103.89
<i>For Factory Installed Accessory, Deduct</i>	-207.80	
26 29 13 13-0089 EA Size 0, 1 Phase, 2 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amp, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SBO1).....	440.61	114.28
<i>For Factory Installed Accessory, Deduct</i>	-228.57	
26 29 13 13-0090 EA Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amp, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SBO2).....	485.33	124.68
<i>For Factory Installed Accessory, Deduct</i>	-249.35	
26 29 13 13-0091 EA Size 0, 3 Phase, 4 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amp, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SBO3).....	612.08	155.84
<i>For Factory Installed Accessory, Deduct</i>	-311.69	
26 29 13 13-0092 EA Size 0, 3 Phase, 5 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amp, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SBO4).....	763.90	187.01
<i>For Factory Installed Accessory, Deduct</i>	-374.02	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 29 13 13-0093 EA Size 1, 1 Phase, 1 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amp, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SCO5)	456.00	114.28
<i>For Factory Installed Accessory, Deduct</i>	-228.57	
26 29 13 13-0094 EA Size 1, 1 Phase, 2 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amp, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SCO1)	500.72	124.68
<i>For Factory Installed Accessory, Deduct</i>	-249.35	
26 29 13 13-0095 EA Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amp, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SCO2)	546.58	135.07
<i>For Factory Installed Accessory, Deduct</i>	-270.13	
26 29 13 13-0096 EA Size 1, 3 Phase, 4 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amp, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SCO3)	705.07	181.81
<i>For Factory Installed Accessory, Deduct</i>	-363.64	
26 29 13 13-0097 EA Size 1, 3 Phase, 5 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amp, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SCO4)	856.32	212.99
<i>For Factory Installed Accessory, Deduct</i>	-425.97	
26 29 13 13-0098 EA Size 2, 1 Phase, 2 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amp, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SDO1)	720.74	124.68
<i>For Factory Installed Accessory, Deduct</i>	-249.35	
26 29 13 13-0099 EA Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amp, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SDO2)	814.43	155.84
<i>For Factory Installed Accessory, Deduct</i>	-311.69	
26 29 13 13-0100 EA Size 2, 3 Phase, 4 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amp, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SDO3)	1,064.81	207.80
<i>For Factory Installed Accessory, Deduct</i>	-415.58	
26 29 13 13-0101 EA Size 3, 1 Phase, 2 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amp, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SEO1)	1,058.39	155.84
<i>For Factory Installed Accessory, Deduct</i>	-311.69	
26 29 13 13-0102 EA Size 3, 3 Phase, 3 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amp, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SEO2)	1,227.83	207.80
<i>For Factory Installed Accessory, Deduct</i>	-415.58	
26 29 13 13-0103 EA Size 3, 3 Phase, 4 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amp, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SEO3)	1,558.59	259.74
<i>For Factory Installed Accessory, Deduct</i>	-519.48	
26 29 13 13-0104 EA Size 3, 3 Phase, 5 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amp, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SEO4)	2,182.33	311.69
<i>For Factory Installed Accessory, Deduct</i>	-623.38	
26 29 13 13-0105 EA Size 4, 1 Phase, 2 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amp, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SFO1)	2,321.82	259.74
<i>For Factory Installed Accessory, Deduct</i>	-519.48	
26 29 13 13-0106 EA Size 4, 3 Phase, 3 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amp, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SFO2)	2,572.21	311.69
<i>For Factory Installed Accessory, Deduct</i>	-623.38	
26 29 13 13-0107 EA Size 4, 3 Phase, 4 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amp, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SFO3)	3,438.77	363.64
<i>For Factory Installed Accessory, Deduct</i>	-727.28	
26 29 13 13-0108 EA Size 5, 1 Phase, 2 Pole, 75 HP At 200 Volt, 100 HP At 230 Volt, 200 HP At 460/575 Volt, 270 Amp, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SGO1)	4,529.02	311.69
<i>For Factory Installed Accessory, Deduct</i>	-623.38	
26 29 13 13-0109 EA Size 5, 3 Phase, 3 Pole, 75 HP At 200 Volt, 100 HP At 230 Volt, 200 HP At 460/575 Volt, 270 Amp, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SGO2)	5,078.24	415.58
<i>For Factory Installed Accessory, Deduct</i>	-831.17	
26 29 13 13-0110 EA Size 6, 3 Phase, 3 Pole, 150 HP At 200 Volt, 200 HP At 230 Volt, 400 HP At 460/575 Volt, 540 Amp, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SHO2)	12,839.98	623.38
<i>For Factory Installed Accessory, Deduct</i>	-1,246.75	
26 29 13 13-0111 EA Size 7, 3 Phase, 3 Pole, 300 HP At 230 Volt, 600 HP At 460/575 Volt, 810 Amp, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SJO2)	18,416.09	935.06
<i>For Factory Installed Accessory, Deduct</i>	-1,870.13	
26 29 13 13-0112 NEMA 1, Non Reversing, Magnetic Contactors <small>(26 29 13 13-0084)</small>		
26 29 13 13-0113 EA Size 00, 1 Phase, 2 Pole, 1-1/2 HP At 200/230 Volt, 2 HP At 460/575 Volt, 9 Amp, NEMA 1 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SAG11)	389.06	103.89
<i>For Factory Installed Accessory, Deduct</i>	-207.80	
26 29 13 13-0114 EA Size 00, 3 Phase, 3 Pole, 1-1/2 HP At 200/230 Volt, 2 HP At 460/575 Volt, 9 Amp, NEMA 1 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SAG12)	433.77	114.28
<i>For Factory Installed Accessory, Deduct</i>	-228.57	
26 29 13 13-0115 EA Size 0, 1 Phase, 1 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amp, NEMA 1 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SBG5)	413.00	103.89
<i>For Factory Installed Accessory, Deduct</i>	-207.80	
26 29 13 13-0116 EA Size 0, 1 Phase, 2 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amp, NEMA 1 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SBG1)	458.85	114.28
<i>For Factory Installed Accessory, Deduct</i>	-228.57	
26 29 13 13-0117 EA Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amp, NEMA 1 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SBG2)	503.57	124.68
<i>For Factory Installed Accessory, Deduct</i>	-249.35	
26 29 13 13-0118 EA Size 0, 3 Phase, 4 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amp, NEMA 1 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SBG3)	631.46	155.84
<i>For Factory Installed Accessory, Deduct</i>	-311.69	
26 29 13 13-0119 EA Size 0, 3 Phase, 5 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amp, NEMA 1 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SBG4)	783.85	187.01
<i>For Factory Installed Accessory, Deduct</i>	-374.02	
26 29 13 13-0120 EA Size 1, 1 Phase, 1 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amp, NEMA 1 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SCG5)	474.81	114.28
<i>For Factory Installed Accessory, Deduct</i>	-228.57	

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 29 Low-Voltage Controllers**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 29 13 13-0121	EA		Size 1, 1 Phase, 2 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amp, NEMA 1 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SCG1).....	520.67	124.68
			<i>For Factory Installed Accessory, Deduct</i>	-249.35	
26 29 13 13-0122	EA		Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amp, NEMA 1 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SCG2).....	565.39	135.07
			<i>For Factory Installed Accessory, Deduct</i>	-270.13	
26 29 13 13-0123	EA		Size 1, 3 Phase, 4 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amp, NEMA 1 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SCG3).....	724.45	181.81
			<i>For Factory Installed Accessory, Deduct</i>	-363.64	
26 29 13 13-0124	EA		Size 1, 3 Phase, 5 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amp, NEMA 1 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SCG4).....	875.13	212.99
			<i>For Factory Installed Accessory, Deduct</i>	-425.97	
26 29 13 13-0125	EA		Size 2, 1 Phase, 2 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amp, NEMA 1 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SDG1).....	805.10	124.68
			<i>For Factory Installed Accessory, Deduct</i>	-249.35	
26 29 13 13-0126	EA		Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amp, NEMA 1 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SDG2).....	899.36	155.84
			<i>For Factory Installed Accessory, Deduct</i>	-311.69	
26 29 13 13-0127	EA		Size 2, 3 Phase, 4 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amp, NEMA 1 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SDG3).....	1,149.17	207.80
			<i>For Factory Installed Accessory, Deduct</i>	-415.58	
26 29 13 13-0128	EA		Size 3, 1 Phase, 2 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amp, NEMA 1 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SEG1).....	1,224.26	155.84
			<i>For Factory Installed Accessory, Deduct</i>	-311.69	
26 29 13 13-0129	EA		Size 3, 3 Phase, 3 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amp, NEMA 1 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SEG2).....	1,393.13	207.80
			<i>For Factory Installed Accessory, Deduct</i>	-415.58	
26 29 13 13-0130	EA		Size 3, 3 Phase, 4 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amp, NEMA 1 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SEG3).....	1,724.46	259.74
			<i>For Factory Installed Accessory, Deduct</i>	-519.48	
26 29 13 13-0131	EA		Size 4, 1 Phase, 2 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amp, NEMA 1 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SFG1).....	2,665.53	259.74
			<i>For Factory Installed Accessory, Deduct</i>	-519.48	
26 29 13 13-0132	EA		Size 4, 3 Phase, 3 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amp, NEMA 1 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SFG2).....	2,915.92	311.69
			<i>For Factory Installed Accessory, Deduct</i>	-623.38	
26 29 13 13-0133	EA		Size 5, 3 Phase, 3 Pole, 75 HP At 200 Volt, 100 HP At 230 Volt, 200 HP At 460/575 Volt, 270 Amp, NEMA 1 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SGG2).....	5,704.67	415.58
			<i>For Factory Installed Accessory, Deduct</i>	-831.17	
26 29 13 13-0134	EA		Size 6, 3 Phase, 3 Pole, 150 HP At 200 Volt, 200 HP At 230 Volt, 400 HP At 460/575 Volt, 540 Amp, NEMA 1 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SHG2).....	15,594.79	623.38
			<i>For Factory Installed Accessory, Deduct</i>	-1,246.75	
26 29 13 13-0135	EA		Size 7, 3 Phase, 3 Pole, 300 HP At 230 Volt, 600 HP At 460/575 Volt, 810 Amp, NEMA 1 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SJG2).....	21,178.88	935.06
			<i>For Factory Installed Accessory, Deduct</i>	-1,870.13	
26 29 13 13-0136			NEMA 12, Non Reversing, Magnetic Contactors (26 29 13 13-0084)		
26 29 13 13-0137	EA		Size 0, 1 Phase, 2 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amp, NEMA 12 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SBA1).....	556.32	114.28
			<i>For Factory Installed Accessory, Deduct</i>	-228.57	
26 29 13 13-0138	EA		Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amp, NEMA 12 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SBA2).....	601.04	124.68
			<i>For Factory Installed Accessory, Deduct</i>	-249.35	
26 29 13 13-0139	EA		Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amp, NEMA 12 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SCA2).....	662.86	135.07
			<i>For Factory Installed Accessory, Deduct</i>	-270.13	
26 29 13 13-0140	EA		Size 2, 1 Phase, 2 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amp, NEMA 12 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SDA1).....	982.94	124.68
			<i>For Factory Installed Accessory, Deduct</i>	-249.35	
26 29 13 13-0141	EA		Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amp, NEMA 12 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SDA2).....	1,077.77	155.84
			<i>For Factory Installed Accessory, Deduct</i>	-311.69	
26 29 13 13-0142	EA		Size 3, 1 Phase, 2 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amp, NEMA 12 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SEA1).....	1,435.16	155.84
			<i>For Factory Installed Accessory, Deduct</i>	-311.69	
26 29 13 13-0143	EA		Size 3, 3 Phase, 3 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amp, NEMA 12 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SEA2).....	1,603.46	207.80
			<i>For Factory Installed Accessory, Deduct</i>	-415.58	
26 29 13 13-0144	EA		Size 4, 3 Phase, 3 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amp, NEMA 12 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SFA2).....	3,614.17	311.69
			<i>For Factory Installed Accessory, Deduct</i>	-623.38	
26 29 13 13-0145	EA		Size 5, 3 Phase, 3 Pole, 75 HP At 200 Volt, 100 HP At 230 Volt, 200 HP At 460/575 Volt, 270 Amp, NEMA 12 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SGA2).....	7,491.62	415.58
			<i>For Factory Installed Accessory, Deduct</i>	-831.17	
26 29 13 13-0146	EA		Size 6, 3 Phase, 3 Pole, 150 HP At 200 Volt, 200 HP At 230 Volt, 400 HP At 460/575 Volt, 540 Amp, NEMA 12 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SHA2).....	17,785.87	623.38
			<i>For Factory Installed Accessory, Deduct</i>	-1,246.75	
26 29 13 13-0147			NEMA 4/4X, Non Reversing, Magnetic Contactors (26 29 13 13-0084)		
			Note: Brushed stainless steel enclosure.		
26 29 13 13-0148	EA		Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amp, NEMA 4/4X Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SBW12).....	788.00	124.68
			<i>For Factory Installed Accessory, Deduct</i>	-249.35	



Electrical	26	26
Low-Voltage Electrical Distribution	26 20	
Low-Voltage Controllers	26 29	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 29 13 13-0149 EA Size 1, 1 Phase, 2 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amp, NEMA 4/4X Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SCW11).....	813.08	124.68
<i>For Factory Installed Accessory, Deduct</i>	-249.35	
26 29 13 13-0150 EA Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amp, NEMA 4/4X Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SCW12).....	857.80	135.07
<i>For Factory Installed Accessory, Deduct</i>	-270.13	
26 29 13 13-0151 EA Size 1, 3 Phase, 4 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amp, NEMA 4/4X Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SCW13).....	1,016.86	181.81
<i>For Factory Installed Accessory, Deduct</i>	-363.64	
26 29 13 13-0152 EA Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amp, NEMA 4/4X Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SDW12).....	1,484.18	155.84
<i>For Factory Installed Accessory, Deduct</i>	-311.69	
26 29 13 13-0153 EA Size 3, 3 Phase, 3 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amp, NEMA 4/4X Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SEW12).....	2,220.77	207.80
<i>For Factory Installed Accessory, Deduct</i>	-415.58	
26 29 13 13-0154 EA Size 4, 3 Phase, 3 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amp, NEMA 4/4X Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SFW12).....	4,328.95	311.69
<i>For Factory Installed Accessory, Deduct</i>	-623.38	
26 29 13 13-0155 EA Size 5, 3 Phase, 3 Pole, 75 HP At 200 Volt, 100 HP At 230 Volt, 200 HP At 460/575 Volt, 270 Amp, NEMA 4/4X Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SGW12).....	7,491.62	415.58
<i>For Factory Installed Accessory, Deduct</i>	-831.17	
26 29 13 13-0156 EA Size 6, 3 Phase, 3 Pole, 150 HP At 200 Volt, 200 HP At 230 Volt, 400 HP At 460/575 Volt, 540 Amp, NEMA 4/4X Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SHW2).....	19,653.19	623.38
<i>For Factory Installed Accessory, Deduct</i>	-1,246.75	
26 29 13 13-0157 NEMA 7/9, Non Reversing, Magnetic Contactors (26 29 13 13-0084)		
Note: Bolted cast iron enclosure.		
26 29 13 13-0158 EA Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amp, NEMA 7/9 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SBT2).....	1,512.37	166.24
<i>For Factory Installed Accessory, Deduct</i>	-332.47	
26 29 13 13-0159 Non Reversing, Magnetic Starters (26 29 13 13-0083)		
26 29 13 13-0160 Open Enclosure, Non Reversing, Magnetic Starters (26 29 13 13-0159)		
26 29 13 13-0161 EA Size 00, 1 Phase, 2 Pole, 3/4 HP At 115 Volt, 1 HP At 230 Volt, 9 Amp, Open Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SAO11).....	427.82	103.89
<i>For Factory Installed Accessory, Deduct</i>	-207.80	
26 29 13 13-0162 EA Size 00, 3 Phase, 3 Pole, 1-1/2 HP At 200/230 Volt, 2 HP At 460/575 Volt, 9 Amp, Open Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SAO12).....	448.59	114.28
<i>For Factory Installed Accessory, Deduct</i>	-228.57	
26 29 13 13-0163 EA Size 0, 1 Phase, 2 Pole, 1 HP At 115 Volt, 2 HP At 230 Volt, 18 Amp, Open Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SBO1).....	476.52	114.28
<i>For Factory Installed Accessory, Deduct</i>	-228.57	
26 29 13 13-0164 EA Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amp, Open Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SBO2).....	525.80	124.68
<i>For Factory Installed Accessory, Deduct</i>	-249.35	
26 29 13 13-0165 EA Size 0, 3 Phase, 5 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amp, Open Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SBO4).....	835.15	187.01
<i>For Factory Installed Accessory, Deduct</i>	-374.02	
26 29 13 13-0166 EA Size 1, 1 Phase, 2 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 27 Amp, Open Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SCO1).....	538.34	124.68
<i>For Factory Installed Accessory, Deduct</i>	-249.35	
26 29 13 13-0167 EA Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amp, Open Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SCO3).....	623.53	135.07
<i>For Factory Installed Accessory, Deduct</i>	-270.13	
26 29 13 13-0168 EA Size 1, 1 Phase, 2 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 36 Amp, Open Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SCO2).....	647.47	135.07
<i>For Factory Installed Accessory, Deduct</i>	-270.13	
26 29 13 13-0169 EA Size 2, 1 Phase, 2 Pole, 3 HP At 115 Volt, 7-1/2 HP At 230 Volt, 45 Amp, Open Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SDO6).....	772.61	124.68
<i>For Factory Installed Accessory, Deduct</i>	-249.35	
26 29 13 13-0170 EA Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amp, Open Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SDO1).....	887.96	155.84
<i>For Factory Installed Accessory, Deduct</i>	-311.69	
26 29 13 13-0171 EA Size 3, 3 Phase, 3 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amp, Open Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SEO1).....	1,349.24	207.80
<i>For Factory Installed Accessory, Deduct</i>	-415.58	
26 29 13 13-0172 EA Size 4, 3 Phase, 3 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amp, Open Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SFO1).....	2,759.17	311.69
<i>For Factory Installed Accessory, Deduct</i>	-623.38	
26 29 13 13-0173 EA Size 5, 3 Phase, 3 Pole, 75 HP At 200 Volt, 100 HP At 230 Volt, 200 HP At 460/575 Volt, 270 Amp, Open Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SGO1).....	6,047.81	415.58
<i>For Factory Installed Accessory, Deduct</i>	-831.17	
26 29 13 13-0174 EA Size 6, 3 Phase, 3 Pole, 150 HP At 200 Volt, 200 HP At 230 Volt, 400 HP At 460/575 Volt, 540 Amp, Open Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SHO2).....	13,647.67	623.38
<i>For Factory Installed Accessory, Deduct</i>	-1,246.75	
26 29 13 13-0175 EA Size 7, 3 Phase, 3 Pole, 300 HP At 230 Volt, 600 HP At 460/575 Volt, 810 Amp, Open Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SJO2).....	19,688.33	935.06
<i>For Factory Installed Accessory, Deduct</i>	-1,870.13	
26 29 13 13-0176 NEMA 1, Non Reversing, Magnetic Starters (26 29 13 13-0159)		

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 29 Low-Voltage Controllers**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 29 13 13-0177 EA Size 00, 1 Phase, 2 Pole, .34 HP At 115 Volt, 1 HP At 230 Volt, 9 Amp, NEMA 1 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SAG1)	446.63	103.89
<i>For Factory Installed Accessory, Deduct</i>	-207.80	
26 29 13 13-0178 EA Size 00, 3 Phase, 3 Pole, 1-1/2 HP At 200/230 Volt, 2 HP At 460/575 Volt, 9 Amp, NEMA 1 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SAG12).....	467.40	114.28
<i>For Factory Installed Accessory, Deduct</i>	-228.57	
26 29 13 13-0179 EA Size 0, 1 Phase, 2 Pole, 1 HP At 115 Volt, 2 HP At 230 Volt, 18 Amp, NEMA 1 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SBG1)	495.33	114.28
<i>For Factory Installed Accessory, Deduct</i>	-228.57	
26 29 13 13-0180 EA Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amp, NEMA 1 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SBG2).....	544.61	124.68
<i>For Factory Installed Accessory, Deduct</i>	-249.35	
26 29 13 13-0181 EA Size 1, 1 Phase, 2 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 27 Amp, NEMA 1 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SCG1)	556.58	124.68
<i>For Factory Installed Accessory, Deduct</i>	-249.35	
26 29 13 13-0182 EA Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amp, NEMA 1 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SCG3)	606.43	135.07
<i>For Factory Installed Accessory, Deduct</i>	-270.13	
26 29 13 13-0183 EA Size 1, 1 Phase, 2 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 36 Amp, NEMA 1 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SCG2).....	666.85	135.07
<i>For Factory Installed Accessory, Deduct</i>	-270.13	
26 29 13 13-0184 EA Size 2, 1 Phase, 2 Pole, 3 HP At 115 Volt, 7-1/2 HP At 230 Volt, 45 Amp, NEMA 1 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SDG6)	857.54	124.68
<i>For Factory Installed Accessory, Deduct</i>	-249.35	
26 29 13 13-0185 EA Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amp, NEMA 1 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SDG1).....	972.89	155.84
<i>For Factory Installed Accessory, Deduct</i>	-311.69	
26 29 13 13-0186 EA Size 3, 3 Phase, 3 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amp, NEMA 1 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SEG1).....	1,515.11	207.80
<i>For Factory Installed Accessory, Deduct</i>	-415.58	
26 29 13 13-0187 EA Size 4, 3 Phase, 3 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amp, NEMA 1 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SFG1)	3,102.88	311.69
<i>For Factory Installed Accessory, Deduct</i>	-623.38	
26 29 13 13-0188 EA Size 5, 3 Phase, 3 Pole, 75 HP At 200 Volt, 100 HP At 230 Volt, 200 HP At 460/575 Volt, 270 Amp, NEMA 1 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SGG1).....	6,675.95	415.58
<i>For Factory Installed Accessory, Deduct</i>	-831.17	
26 29 13 13-0189 NEMA 12, Non Reversing, Magnetic Starters (26 29 13 13-0159)		
26 29 13 13-0190 EA Size 0, 1 Phase, 2 Pole, 1 HP At 115 Volt, 2 HP At 230 Volt, 18 Amp, NEMA 12 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SBA1).....	592.80	114.28
<i>For Factory Installed Accessory, Deduct</i>	-228.57	
26 29 13 13-0191 EA Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amp, NEMA 12 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SBA2)	642.08	124.68
<i>For Factory Installed Accessory, Deduct</i>	-249.35	
26 29 13 13-0192 EA Size 1, 1 Phase, 2 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 27 Amp, NEMA 12 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SCA1).....	654.05	124.68
<i>For Factory Installed Accessory, Deduct</i>	-249.35	
26 29 13 13-0193 EA Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amp, NEMA 12 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SCA3).....	703.90	135.07
<i>For Factory Installed Accessory, Deduct</i>	-270.13	
26 29 13 13-0194 EA Size 1, 1 Phase, 2 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 36 Amp, NEMA 12 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SCA2).....	764.32	135.07
<i>For Factory Installed Accessory, Deduct</i>	-270.13	
26 29 13 13-0195 EA Size 2, 1 Phase, 2 Pole, 3 HP At 115 Volt, 7-1/2 HP At 230 Volt, 45 Amp, NEMA 12 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SDA6).....	1,035.95	124.68
<i>For Factory Installed Accessory, Deduct</i>	-249.35	
26 29 13 13-0196 EA Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amp, NEMA 12 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SDA1)	1,150.73	155.84
<i>For Factory Installed Accessory, Deduct</i>	-311.69	
26 29 13 13-0197 EA Size 3, 3 Phase, 3 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amp, NEMA 12 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SEA1)	1,725.44	207.80
<i>For Factory Installed Accessory, Deduct</i>	-415.58	
26 29 13 13-0198 EA Size 4, 3 Phase, 3 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amp, NEMA 12 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SFA1).....	3,800.56	311.69
<i>For Factory Installed Accessory, Deduct</i>	-623.38	
26 29 13 13-0199 EA Size 5, 3 Phase, 3 Pole, 75 HP At 200 Volt, 100 HP At 230 Volt, 200 HP At 460/575 Volt, 270 Amp, NEMA 12 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SGA1)	8,461.19	415.58
<i>For Factory Installed Accessory, Deduct</i>	-831.17	
26 29 13 13-0200 EA Size 6, 3 Phase, 3 Pole, 150 HP At 200 Volt, 200 HP At 230 Volt, 400 HP At 460/575 Volt, 540 Amp, NEMA 12 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SHA2)	19,901.14	623.38
<i>For Factory Installed Accessory, Deduct</i>	-1,246.75	
26 29 13 13-0201 NEMA 3R, Non Reversing, Magnetic Starters (26 29 13 13-0159)		
26 29 13 13-0202 EA Size 0, 1 Phase, 2 Pole, 1 HP At 115 Volt, 2 HP At 230 Volt, 18 Amp, NEMA 3R Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SBH1).....	592.80	114.28
<i>For Factory Installed Accessory, Deduct</i>	-228.57	
26 29 13 13-0203 EA Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amp, NEMA 3R Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SBH2).....	642.08	124.68
<i>For Factory Installed Accessory, Deduct</i>	-249.35	
26 29 13 13-0204 EA Size 1, 1 Phase, 2 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 27 Amp, NEMA 3R Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SCH1)	654.05	124.68
<i>For Factory Installed Accessory, Deduct</i>	-249.35	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 29 13 13-0205 EA Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amp, NEMA 3R Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SCH3).....	703.90	135.07
<i>For Factory Installed Accessory, Deduct</i>	-270.13	
26 29 13 13-0206 EA Size 1, 1 Phase, 2 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 36 Amp, NEMA 3R Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SCH2).....	764.32	135.07
<i>For Factory Installed Accessory, Deduct</i>	-270.13	
26 29 13 13-0207 EA Size 2, 1 Phase, 2 Pole, 3 HP At 115 Volt, 7-1/2 HP At 230 Volt, 45 Amp, NEMA 3R Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SDH6)	1,035.95	124.68
<i>For Factory Installed Accessory, Deduct</i>	-249.35	
26 29 13 13-0208 EA Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amp, NEMA 3R Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SDH1)	1,150.73	155.84
<i>For Factory Installed Accessory, Deduct</i>	-311.69	
26 29 13 13-0209 EA Size 3, 3 Phase, 3 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amp, NEMA 3R Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SEH1)	1,725.44	207.80
<i>For Factory Installed Accessory, Deduct</i>	-415.58	
26 29 13 13-0210 EA Size 4, 3 Phase, 3 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amp, NEMA 3R Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SFH1)	3,800.56	311.69
<i>For Factory Installed Accessory, Deduct</i>	-623.38	
26 29 13 13-0211 NEMA 3R/4/4X/7/9, Non Reversing, Magnetic Starters (26 29 13 13-0159)		
Note: Bolted cast aluminum enclosure.		
26 29 13 13-0212 EA Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amp, NEMA 3R/4/4X/7/9 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SBT4)	1,578.75	176.63
<i>For Factory Installed Accessory, Deduct</i>	-353.25	
26 29 13 13-0213 EA Size 1, 1 Phase, 2 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 27 Amp, NEMA 3R/4/4X/7/9 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SCR1).....	1,910.49	176.63
<i>For Factory Installed Accessory, Deduct</i>	-353.25	
26 29 13 13-0214 EA Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amp, NEMA 3R/4/4X/7/9 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SCR3)	1,972.30	187.01
<i>For Factory Installed Accessory, Deduct</i>	-374.02	
26 29 13 13-0215 EA Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amp, NEMA 3R/4/4X/7/9 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SDR1)	2,995.97	207.80
<i>For Factory Installed Accessory, Deduct</i>	-415.58	
26 29 13 13-0216 EA Size 3, 3 Phase, 3 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amp, NEMA 3R/4/4X/7/9 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SET43).....	3,619.71	259.74
<i>For Factory Installed Accessory, Deduct</i>	-519.48	
26 29 13 13-0217 EA Size 4, 3 Phase, 3 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amp, NEMA 3R/4/4X/7/9 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SFT41)	5,730.74	363.64
<i>For Factory Installed Accessory, Deduct</i>	-727.28	
26 29 13 13-0218 NEMA 4/4X, Non Reversing, Magnetic Starters (26 29 13 13-0159)		
Note: Brushed stainless steel enclosure.		
26 29 13 13-0219 EA Size 0, 1 Phase, 2 Pole, 1 HP At 115 Volt, 2 HP At 230 Volt, 18 Amp, NEMA 4/4X Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SBW11).....	779.19	114.28
<i>For Factory Installed Accessory, Deduct</i>	-228.57	
26 29 13 13-0220 EA Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amp, NEMA 4/4X Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SBW12)	829.04	124.68
<i>For Factory Installed Accessory, Deduct</i>	-249.35	
26 29 13 13-0221 EA Size 1, 1 Phase, 2 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 27 Amp, NEMA 4/4X Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SCW11)	848.99	124.68
<i>For Factory Installed Accessory, Deduct</i>	-249.35	
26 29 13 13-0222 EA Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amp, NEMA 4/4X Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SCW13).....	898.84	135.07
<i>For Factory Installed Accessory, Deduct</i>	-270.13	
26 29 13 13-0223 EA Size 1, 1 Phase, 2 Pole, 3 HP At 200/230 Volt, 7-1/2 HP At 460/575 Volt, 36 Amp, NEMA 4/4X Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SCW12)	959.26	135.07
<i>For Factory Installed Accessory, Deduct</i>	-270.13	
26 29 13 13-0224 EA Size 2, 1 Phase, 2 Pole, 3 HP At 115 Volt, 7-1/2 HP At 230 Volt, 45 Amp, NEMA 4/4X Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SDW16).....	1,441.22	124.68
<i>For Factory Installed Accessory, Deduct</i>	-249.35	
26 29 13 13-0225 EA Size 3, 3 Phase, 3 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amp, NEMA 4/4X Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SEW11)	2,342.18	207.80
<i>For Factory Installed Accessory, Deduct</i>	-415.58	
26 29 13 13-0226 EA Size 4, 3 Phase, 3 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amp, NEMA 4/4X Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SFW11).....	4,514.77	311.69
<i>For Factory Installed Accessory, Deduct</i>	-623.38	
26 29 13 13-0227 EA Size 5, 3 Phase, 3 Pole, 75 HP At 200 Volt, 100 HP At 230 Volt, 200 HP At 460/575 Volt, 270 Amp, NEMA 4/4X Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SGW11)	9,834.32	415.58
<i>For Factory Installed Accessory, Deduct</i>	-831.17	
26 29 13 13-0228 NEMA 4X, Non Reversing, Magnetic Starters (26 29 13 13-0159)		
Note: Glass polyester enclosure.		
26 29 13 13-0229 EA Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amp, NEMA 4X Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SDW21)	1,557.71	155.84
<i>For Factory Installed Accessory, Deduct</i>	-311.69	
26 29 13 13-0230 EA Size 3, 3 Phase, 3 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amp, NEMA 4X Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SEW21)	2,824.40	207.80
<i>For Factory Installed Accessory, Deduct</i>	-415.58	
26 29 13 13-0231 EA Size 4, 3 Phase, 3 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amp, NEMA 4X Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SFW21).....	5,488.33	311.69
<i>For Factory Installed Accessory, Deduct</i>	-623.38	

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 29 Low-Voltage Controllers**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 29 13 13-0232 NEMA 7/9, Non Reversing, Magnetic Starters (26 29 13 13-0159) Note: Bolted cast iron enclosure.		
26 29 13 13-0233 EA Size 0, 1 Phase, 2 Pole, 1 HP At 115 Volt, 2 HP At 230 Volt, 18 Amp, NEMA 7/9 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SBT1).....	1,524.34	166.24
For Factory Installed Accessory, Deduct	-332.47	
26 29 13 13-0234 EA Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amp, NEMA 7/9 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SBT2).....	1,578.75	176.63
For Factory Installed Accessory, Deduct	-353.25	
26 29 13 13-0235 EA Size 1, 1 Phase, 2 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 27 Amp, NEMA 7/9 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SCT1).....	1,599.27	176.63
For Factory Installed Accessory, Deduct	-353.25	
26 29 13 13-0236 EA Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amp, NEMA 7/9 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SCT3).....	1,651.39	187.01
For Factory Installed Accessory, Deduct	-374.02	
26 29 13 13-0237 EA Size 1, 1 Phase, 2 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 36 Amp, NEMA 7/9 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SCT2).....	1,720.93	187.01
For Factory Installed Accessory, Deduct	-374.02	
26 29 13 13-0238 EA Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amp, NEMA 7/9 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SDT1).....	2,480.69	207.80
For Factory Installed Accessory, Deduct	-415.58	
26 29 13 13-0239 Reversing, Magnetic Starters (26 29 13 13-0083)		
26 29 13 13-0240 Open Enclosure, Reversing, Magnetic Starters (26 29 13 13-0239)		
26 29 13 13-0241 EA Size 00, 1 Phase, 3 Pole, 3/4 HP At 115 Volt, 1 HP At 230 Volt, 9 Amp, Open Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SAO13).....	762.04	135.07
For Factory Installed Accessory, Deduct	-270.13	
26 29 13 13-0242 EA Size 00, 3 Phase, 3 Pole, 1-1/2 HP At 200/230 Volt, 2 HP At 460/575 Volt, 9 Amp, Open Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SAO16).....	797.95	135.07
For Factory Installed Accessory, Deduct	-270.13	
26 29 13 13-0243 EA Size 0, 1 Phase, 2 Pole, 1 HP At 115 Volt, 2 HP At 230 Volt, 18 Amp, Open Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SBO1).....	880.29	145.45
For Factory Installed Accessory, Deduct	-290.91	
26 29 13 13-0244 EA Size 0, 1 Phase, 3 Pole, 1 HP At 115 Volt, 2 HP At 230 Volt, 18 Amp, Open Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SBO2).....	917.03	155.84
For Factory Installed Accessory, Deduct	-311.69	
26 29 13 13-0245 EA Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amp, Open Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SBO10).....	936.98	155.84
For Factory Installed Accessory, Deduct	-311.69	
26 29 13 13-0246 EA Size 1, 1 Phase, 2 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 27 Amp, Open Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SCO2).....	1,002.22	166.24
For Factory Installed Accessory, Deduct	-332.47	
26 29 13 13-0247 EA Size 1, 1 Phase, 3 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 27 Amp, Open Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SCO3).....	1,050.49	181.81
For Factory Installed Accessory, Deduct	-363.64	
26 29 13 13-0248 EA Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amp, Open Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SCO7).....	1,071.01	181.81
For Factory Installed Accessory, Deduct	-363.64	
26 29 13 13-0249 EA Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amp, Open Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SDO1).....	1,754.51	207.80
For Factory Installed Accessory, Deduct	-415.58	
26 29 13 13-0250 EA Size 3, 3 Phase, 3 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amp, Open Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SEO1).....	2,847.52	311.69
For Factory Installed Accessory, Deduct	-623.38	
26 29 13 13-0251 EA Size 4, 3 Phase, 3 Pole, 40 HP At 200 Volt, 50 HP At 230, 100 HP At 460/575 Volt, 135 Amp, Open Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SFO1).....	6,367.16	467.53
For Factory Installed Accessory, Deduct	-935.06	
26 29 13 13-0252 EA Size 5, 3 Phase, 3 Pole, 75 HP At 200 Volt, 100 HP At 230 Volt, 200 HP At 460/575 Volt, 270 Amp, Open Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SGO1).....	11,682.88	623.38
For Factory Installed Accessory, Deduct	-1,246.75	
26 29 13 13-0253 EA Size 7, 3 Phase, 3 Pole, 300 HP At 230 Volt, 600 HP At 460/575 Volt, 810 Amp, Open Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SJO1).....	37,198.22	1,142.86
For Factory Installed Accessory, Deduct	-2,285.72	
26 29 13 13-0254 NEMA 1, Reversing, Magnetic Starters (26 29 13 13-0239)		
26 29 13 13-0255 EA Size 00, 1 Phase, 2 Pole, 3/4 HP At 115 Volt, 1 HP At 230 Volt, 9 Amp, NEMA 1 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SAG13).....	775.46	124.68
For Factory Installed Accessory, Deduct	-249.35	
26 29 13 13-0256 EA Size 00, 1 Phase, 3 Pole, 3/4 HP At 115 Volt, 1 HP At 230 Volt, 9 Amp, NEMA 1 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SAG15).....	813.34	135.07
For Factory Installed Accessory, Deduct	-270.13	
26 29 13 13-0257 EA Size 00, 3 Phase, 3 Pole, 1-1/2 HP At 200/230 Volt, 2 HP At 460/575 Volt, 9 Amp, NEMA 1 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SAG16).....	833.86	135.07
For Factory Installed Accessory, Deduct	-270.13	
26 29 13 13-0258 EA Size 0, 1 Phase, 2 Pole, 1 HP At 115 Volt, 2 HP At 230 Volt, 18 Amp, NEMA 1 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SBG1).....	914.49	145.45
For Factory Installed Accessory, Deduct	-290.91	
26 29 13 13-0259 EA Size 0, 1 Phase, 3 Pole, 1 HP At 115 Volt, 2 HP At 230 Volt, 18 Amp, NEMA 1 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SBG2).....	952.37	155.84
For Factory Installed Accessory, Deduct	-311.69	



Electrical	26	26
Low-Voltage Electrical Distribution	26 20	
Low-Voltage Controllers	26 29	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 29 13 13-0260	EA		Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amp, NEMA 1 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SBG4).....	972.89	155.84
			<i>For Factory Installed Accessory, Deduct</i>	-311.69	
26 29 13 13-0261	EA		Size 1, 1 Phase, 2 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 27 Amp, NEMA 1 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SCG2).....	1,053.52	166.24
			<i>For Factory Installed Accessory, Deduct</i>	-332.47	
26 29 13 13-0262	EA		Size 1, 1 Phase, 3 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 27 Amp, NEMA 1 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SCG6).....	1,101.79	181.81
			<i>For Factory Installed Accessory, Deduct</i>	-363.64	
26 29 13 13-0263	EA		Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amp, NEMA 1 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SCG8).....	1,122.31	181.81
			<i>For Factory Installed Accessory, Deduct</i>	-363.64	
26 29 13 13-0264	EA		Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amp, NEMA 1 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SDG2).....	1,887.89	207.80
			<i>For Factory Installed Accessory, Deduct</i>	-415.58	
26 29 13 13-0265	EA		Size 3, 3 Phase, 3 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amp, NEMA 1 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SEG2).....	3,078.37	311.69
			<i>For Factory Installed Accessory, Deduct</i>	-623.38	
26 29 13 13-0266	EA		Size 4, 3 Phase, 3 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amp, NEMA 1 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SFG3).....	6,791.24	467.53
			<i>For Factory Installed Accessory, Deduct</i>	-935.06	
26 29 13 13-0267			NEMA 12, Reversing, Magnetic Starters <small>(26 29 13 13-0239)</small>		
26 29 13 13-0268	EA		Size 0, 1 Phase, 3 Pole, 3/4 HP At 115 Volt, 1 HP At 230 Volt, 18 Amp, NEMA 12 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SBA2).....	1,098.29	155.84
			<i>For Factory Installed Accessory, Deduct</i>	-311.69	
26 29 13 13-0269	EA		Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amp, NEMA 12 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SBA4).....	1,118.81	155.84
			<i>For Factory Installed Accessory, Deduct</i>	-311.69	
26 29 13 13-0270	EA		Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amp, NEMA 12 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SCA4).....	1,268.23	181.81
			<i>For Factory Installed Accessory, Deduct</i>	-363.64	
26 29 13 13-0271	EA		Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amp, NEMA 12 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SDA1).....	2,131.85	207.80
			<i>For Factory Installed Accessory, Deduct</i>	-415.58	
26 29 13 13-0272			NEMA 4X, Reversing, Magnetic Starters <small>(26 29 13 13-0239)</small>		
			Note: Brushed stainless steel enclosure.		
26 29 13 13-0273	EA		Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amp, NEMA 4/4X Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SBW14).....	1,345.67	155.84
			<i>For Factory Installed Accessory, Deduct</i>	-311.69	
26 29 13 13-0274	EA		Size 1, 1 Phase, 2 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 27 Amp, NEMA 4/4X Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SCW11).....	1,573.36	166.24
			<i>For Factory Installed Accessory, Deduct</i>	-332.47	
26 29 13 13-0275			Magnetic Contactor/Starter Accessories <small>(26 29 13 13-0083)</small>		
26 29 13 13-0276	EA		NEMA 1 Enclosure Start/Stop Push Button Kit, Contactor/Starter Accessory (Square D 9999SA2).....	101.37	12.99
			<i>For Factory Installed Accessory, Deduct</i>	-25.97	
26 29 13 13-0277	EA		NEMA 12 Enclosure Start/Stop Push Button Kit, Contactor/Starter Accessory (Square D 9999SA3).....	165.72	12.99
			<i>For Factory Installed Accessory, Deduct</i>	-25.97	
26 29 13 13-0278	EA		NEMA 1 Enclosure Selector Switch Kit, Contactor/Starter Accessory (Square D 9999SC2).....	101.37	12.99
			<i>For Factory Installed Accessory, Deduct</i>	-25.97	
26 29 13 13-0279	EA		NEMA 12 Enclosure Selector Switch Kit, Contactor/Starter Accessory (Square D 9999SC8).....	165.72	12.99
			<i>For Factory Installed Accessory, Deduct</i>	-25.97	
26 29 13 13-0280	EA		NEMA 1 And 12 Enclosure Red Pilot Light Kit, Contactor/Starter Accessory (Square D 9999SP2R).....	165.72	12.99
			<i>For Factory Installed Accessory, Deduct</i>	-25.97	
26 29 13 13-0281	EA		Internal Nonconvertible Contact Block Kit, 1 Contact, Contactor/Starter Accessory (Square D 9999SX11).....	85.12	10.39
			<i>For Factory Installed Accessory, Deduct</i>	-20.77	
26 29 13 13-0282	EA		External Convertible Field Contact, 1 Contact, Contactor/Starter Accessory (Square D 9999SX6).....	76.67	10.39
			<i>For Factory Installed Accessory, Deduct</i>	-20.77	
26 29 13 13-0283	EA		External Convertible Field Contacts, 2 Contacts Or 1 Overlapping Contact, Contactor/Starter Accessory (Square D 9999SX8).....	101.37	12.99
			<i>For Factory Installed Accessory, Deduct</i>	-25.97	
26 29 13 13-0284	EA		External Field Non Convertible Contact, 1 Contact, Contactor/Starter Accessory (Square D 9999SX13).....	85.12	10.39
			<i>For Factory Installed Accessory, Deduct</i>	-20.77	
26 29 13 13-0285	EA		External Field Non Convertible Contacts, 2 Contacts Or 1 Overlapping Contact, Contactor/Starter Accessory (Square D 9999SX15).....	113.07	12.99
			<i>For Factory Installed Accessory, Deduct</i>	-25.97	
26 29 13 13-0286	EA		30 Amp, 1 Contact Power Pole Adder Kit, Contactor/Starter Accessory (Square D 9999SB6).....	123.47	10.39
			<i>For Factory Installed Accessory, Deduct</i>	-20.77	
26 29 13 13-0287	EA		45 Amp, 1 Contact Power Pole Adder Kit, Contactor/Starter Accessory (Square D 9999SB11).....	207.32	10.39
			<i>For Factory Installed Accessory, Deduct</i>	-20.77	
26 29 13 13-0288	EA		60 Amp, 1 Contact Power Pole Adder Kit, Contactor/Starter Accessory (Square D 9999SB21).....	219.67	10.39
			<i>For Factory Installed Accessory, Deduct</i>	-20.77	
26 29 13 13-0289	EA		30 Amp, 2 Contact Power Pole Adder Kit, Contactor/Starter Accessory (Square D 9999SB8).....	263.22	12.99
			<i>For Factory Installed Accessory, Deduct</i>	-25.97	
26 29 13 13-0290	EA		45 Amp, 2 Contact Power Pole Adder Kit, Contactor/Starter Accessory (Square D 9999SB13).....	452.37	12.99
			<i>For Factory Installed Accessory, Deduct</i>	-25.97	
26 29 13 13-0291	EA		60 Amp, 2 Contact Power Pole Adder Kit, Contactor/Starter Accessory (Square D 9999SB23).....	452.37	12.99
			<i>For Factory Installed Accessory, Deduct</i>	-25.97	

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26 29 Low-Voltage Controllers



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 29 13 13-0292	EA		Adapter Bracket For Power Pole Adder Kit, Contactor/Starter Accessory (Square D 9999SBT1).....	32.56	7.79
			<i>For Factory Installed Accessory, Deduct</i>	-15.59	
26 29 13 13-0293	EA		1 Pole Control Circuit Fuse Holder, Contactor/Starter Accessory (Square D 9999SF3).....	62.37	10.39
			<i>For Factory Installed Accessory, Deduct</i>	-20.77	
26 29 13 13-0294	EA		2 Pole Control Circuit Fuse Holder, Contactor/Starter Accessory (Square D 9999SF4).....	81.87	12.99
			<i>For Factory Installed Accessory, Deduct</i>	-25.97	
26 29 13 13-0295	EA		Transient Suppression Module, Contactor/Starter Accessory (Square D 9999ST1).....	66.27	12.99
			<i>For Factory Installed Accessory, Deduct</i>	-25.97	
26 29 13 13-0296	EA		Terminal Block, Contactor/Starter Accessory (Square D 9999T7).....	37.24	7.79
			<i>For Factory Installed Accessory, Deduct</i>	-15.59	
26 29 13 13-0297	EA		Closing Plate For NEMA 1 Enclosures, Contactor/Starter Accessory (Square D 9999SG1).....	24.89	7.79
			<i>For Factory Installed Accessory, Deduct</i>	-15.59	
26 29 13 13-0298	EA		1 Pole Disconnect Switch And Breaker Interlock, Contactor/Starter Accessory (Square D 9999R39).....	108.52	10.39
			<i>For Factory Installed Accessory, Deduct</i>	-20.77	
26 29 13 13-0299	EA		2 Pole Disconnect Switch And Breaker Interlock, Contactor/Starter Accessory (Square D 9999R40).....	183.92	12.99
			<i>For Factory Installed Accessory, Deduct</i>	-25.97	
26 29 13 13-0300			Definite Purpose Starters (26 29 13 13)		
26 29 13 13-0301			Open Enclosure, Definite Purpose Starter (26 29 13 13-0300)		
26 29 13 13-0302	EA		Open Enclosure, 3 Phase, 3 Pole, 3 HP At 230 Volt, 5 HP At 460/575 Volt, 20 Amp, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSO13).....	418.64	124.68
			<i>For Factory Installed Accessory, Deduct</i>	-249.35	
26 29 13 13-0303	EA		Open Enclosure, 1 Phase, 2 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 25 Amp, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSO22).....	418.07	124.68
			<i>For Factory Installed Accessory, Deduct</i>	-249.35	
26 29 13 13-0304	EA		Open Enclosure, 3 Phase, 3 Pole, 7.5 HP At 230 Volt, 10 HP At 460/575 Volt, 25 Amp, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSO23).....	452.53	135.07
			<i>For Factory Installed Accessory, Deduct</i>	-270.13	
26 29 13 13-0305	EA		Open Enclosure, 1 Phase, 2 Pole, 2 HP At 115 Volt, 5 HP At 230 Volt, 30 Amp, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSO32).....	439.16	124.68
			<i>For Factory Installed Accessory, Deduct</i>	-249.35	
26 29 13 13-0306	EA		Open Enclosure, 3 Phase, 3 Pole, 10 HP At 230 Volt, 15 HP At 460/575 Volt, 30 Amp, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSO33).....	477.04	135.07
			<i>For Factory Installed Accessory, Deduct</i>	-270.13	
26 29 13 13-0307	EA		Open Enclosure, 1 Phase, 2 Pole, 3 HP At 115 Volt, 7-1/2 HP At 230 Volt, 40 Amp, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSO42).....	457.40	124.68
			<i>For Factory Installed Accessory, Deduct</i>	-249.35	
26 29 13 13-0308	EA		Open Enclosure, 3 Phase, 3 Pole, 10 HP At 230 Volt, 20 HP At 460/575 Volt, 40 Amp, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSO43).....	539.12	155.84
			<i>For Factory Installed Accessory, Deduct</i>	-311.69	
26 29 13 13-0309	EA		Open Enclosure, 1 Phase, 2 Pole, 3 HP At 115 Volt, 10 HP At 230 Volt, 50 Amp, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSO52).....	586.43	155.84
			<i>For Factory Installed Accessory, Deduct</i>	-311.69	
26 29 13 13-0310	EA		Open Enclosure, 3 Phase, 3 Pole, 15 HP At 230 Volt, 30 HP At 460/575 Volt, 50 Amp, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSO53).....	727.30	181.81
			<i>For Factory Installed Accessory, Deduct</i>	-363.64	
26 29 13 13-0311			NEMA 1, Definite Purpose Starter (26 29 13 13-0300)		
26 29 13 13-0312	EA		NEMA 1, 1 Phase, 2 Pole, 1 HP At 115 Volt, 2 HP At 230 Volt, 20 Amp, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSG12).....	417.81	114.28
			<i>For Factory Installed Accessory, Deduct</i>	-228.57	
26 29 13 13-0313	EA		NEMA 1, 3 Phase, 3 Pole, 3 HP At 230 Volt, 5 HP At 460/575 Volt, 20 Amp, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSG13).....	452.27	124.68
			<i>For Factory Installed Accessory, Deduct</i>	-249.35	
26 29 13 13-0314	EA		NEMA 1, 1 Phase, 2 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 25 Amp, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSG22).....	451.13	124.68
			<i>For Factory Installed Accessory, Deduct</i>	-249.35	
26 29 13 13-0315	EA		NEMA 1, 3 Phase, 3 Pole, 7.5 HP At 230 Volt, 10 HP At 460/575 Volt, 25 Amp, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSG23).....	487.30	135.07
			<i>For Factory Installed Accessory, Deduct</i>	-270.13	
26 29 13 13-0316	EA		NEMA 1, 1 Phase, 2 Pole, 2 HP At 115 Volt, 5 HP At 230 Volt, 30 Amp, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSG32).....	472.79	124.68
			<i>For Factory Installed Accessory, Deduct</i>	-249.35	
26 29 13 13-0317	EA		NEMA 1, 3 Phase, 3 Pole, 10 HP At 230 Volt, 15 HP At 460/575 Volt, 30 Amp, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSG33).....	511.24	135.07
			<i>For Factory Installed Accessory, Deduct</i>	-270.13	
26 29 13 13-0318	EA		NEMA 1, 1 Phase, 2 Pole, 3 HP At 115 Volt, 7-1/2 HP At 230 Volt, 40 Amp, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSG42).....	492.17	124.68
			<i>For Factory Installed Accessory, Deduct</i>	-249.35	
26 29 13 13-0319	EA		NEMA 1, 3 Phase, 3 Pole, 10 HP At 230 Volt, 20 HP At 460/575 Volt, 40 Amp, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSG43).....	573.32	155.84
			<i>For Factory Installed Accessory, Deduct</i>	-311.69	
26 29 13 13-0320	EA		NEMA 1, 1 Phase, 2 Pole, 3 HP At 115 Volt, 10 HP At 230 Volt, 50 Amp, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSG52).....	618.92	155.84
			<i>For Factory Installed Accessory, Deduct</i>	-311.69	
26 29 13 13-0321	EA		NEMA 1, 3 Phase, 3 Pole, 15 HP At 230 Volt, 30 HP At 460/575 Volt, 50 Amp, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSG53).....	760.36	181.81
			<i>For Factory Installed Accessory, Deduct</i>	-363.64	
26 29 13 13-0322			Definite Purpose Starter Accessory (26 29 13 13-0300)		



Electrical	26	26
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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 29 13 13-0323 EA Start-Stop Push Button Kit, Definite Purpose Starter Accessory Note: Or Hand-Off-Auto Selector Switch Kit <i>For Factory Installed Accessory, Deduct</i>	113.07 -25.97	12.99
26 29 13 13-0324 Panel Mounted Miniature Contactor <small>(26 29 13 13)</small>		
26 29 13 13-0325 Non Reversing, Panel Mounted Miniature Contactor <small>(26 29 13 13-0324)</small>		
26 29 13 13-0326 EA 3 Phase (1-1/2 HP At 200/230 Volt, 3 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 6 Amp, 15 Amp, AC Coil, Non Reversing, Panel Mounted Miniature Contactor (Square D LC1K).....	136.38	51.95
26 29 13 13-0327 EA 3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 4 Pole, Without Auxiliary Contacts, 9 Amp, 20 Amp, AC Coil, Non Reversing, Panel Mounted Miniature Contactor (Square D LC1K).....	157.03	57.15
26 29 13 13-0328 EA 3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 9 Amp, 20 Amp, AC Coil, Non Reversing, Panel Mounted Miniature Contactor (Square D LC1K).....	157.03	57.15
26 29 13 13-0329 EA 3 Phase (3 HP At 200/230 Volt, 7-1/2 HP At 460 Volt, 10 HP At 575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 12 Amp, 20 Amp, AC Coil, Non Reversing, Panel Mounted Miniature Contactor (Square D LC1K).....	173.70	62.33
26 29 13 13-0330 EA 3 Phase (1-1/2 HP At 200/230 Volt, 3 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 6 Amp, 15 Amp, DC Coil, Non Reversing, Panel Mounted Miniature Contactor (Square D LP1K).....	146.64	51.95
26 29 13 13-0331 EA 3 Phase (1-1/2 HP At 200/230 Volt, 3 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 6 Amp, 15 Amp, DC Coil With Integral Suppression, Non Reversing, Panel Mounted Miniature Contactor (Square D LP1K).....	152.34	51.95
26 29 13 13-0332 EA 3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 9 Amp, 20 Amp, DC Coil, Non Reversing, Panel Mounted Miniature Contactor (Square D LP1K).....	166.72	57.15
26 29 13 13-0333 EA 3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 9 Amp, 20 Amp, DC Coil With Integral Suppression, Non Reversing, Panel Mounted Miniature Contactor (Square D LP1K).....	172.42	57.15
26 29 13 13-0334 EA 3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 4 Pole, Without Auxiliary Contacts, 9 Amp, 20 Amp, DC Coil, Non Reversing, Panel Mounted Miniature Contactor (Square D LP1K).....	170.14	57.15
26 29 13 13-0335 EA 3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 4 Pole, Without Auxiliary Contacts, 9 Amp, 20 Amp, DC Coil With Integral Suppression, Non Reversing, Panel Mounted Miniature Contactor (Square D LP1K).....	172.42	57.15
26 29 13 13-0336 EA 3 Phase (3 HP At 200/230 Volt, 7-1/2 HP At 460 Volt, 10 HP At 575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 4 Pole, Without Auxiliary Contacts, 12 Amp, 20 Amp, DC Coil, Non Reversing, Panel Mounted Miniature Contactor (Square D LP1K).....	185.10	62.33
26 29 13 13-0337 EA 3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 4 Pole, Without Auxiliary Contacts, 9 Amp, 20 Amp, DC Coil With Integral Suppression, Non Reversing, Panel Mounted Miniature Contactor (Square D LP1K).....	175.84	57.15
26 29 13 13-0338 EA 3 Phase (3 HP At 200/230 Volt, 7-1/2 HP At 460 Volt, 10 HP At 575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 12 Amp, 20 Amp, DC Coil With Integral Suppression, Non Reversing, Panel Mounted Miniature Contactor (Square D LP1K).....	190.80	62.33
26 29 13 13-0339 EA 3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 9 Amp, 20 Amp, DC Low Consumption Coil With Integral Suppression, Non Reversing, Panel Mounted Miniature Contactor (Square D LP4K).....	176.98	57.15
26 29 13 13-0340 EA 3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 4 Pole, Without Auxiliary Contacts, 9 Amp, 20 Amp, DC Low Consumption Coil With Integral Suppression, Non Reversing, Panel Mounted Miniature Contactor (Square D LP4K).....	176.98	57.15
26 29 13 13-0341 EA 3 Phase (3 HP At 200/230 Volt, 7-1/2 HP At 460 Volt, 10 HP At 575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 12 Amp, 20 Amp, DC Low Consumption Coil With Integral Suppression, Non Reversing, Panel Mounted Miniature Contactor (Square D LP4K).....	196.50	62.33
26 29 13 13-0342 EA 3 Phase (3 HP At 200/230 Volt, 7-1/2 HP At 460 Volt, 10 HP At 575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 4 Pole, Without Auxiliary Contacts, 12 Amp, 20 Amp, DC Low Consumption Coil With Integral Suppression, Non Reversing, Panel Mounted Miniature Contactor (Square D LP4K).....	196.50	62.33
26 29 13 13-0343 Reversing, Panel Mounted Miniature Contactor <small>(26 29 13 13-0324)</small>		
26 29 13 13-0344 EA 3 Phase (1-1/2 HP At 200/230 Volt, 3 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 6 Amp, 15 Amp, AC Coil, Reversing, Panel Mounted Miniature Contactor (Square D LC2K).....	177.99	51.95
26 29 13 13-0345 EA 3 Phase (1-1/2 HP At 200/230 Volt, 3 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 6 Amp, 15 Amp, AC Coil With Integral Suppression, Reversing, Panel Mounted Miniature Contactor (Square D LC2K).....	189.39	51.95
26 29 13 13-0346 EA 3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 9 Amp, 20 Amp, AC Coil, Reversing, Panel Mounted Miniature Contactor (Square D LC2K).....	209.47	57.15
26 29 13 13-0347 EA 3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 4 Pole, Without Auxiliary Contacts, 9 Amp, 20 Amp, AC Coil, Reversing, Panel Mounted Miniature Contactor (Square D LC2K).....	209.47	57.15
26 29 13 13-0348 EA 3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 9 Amp, 20 Amp, AC Coil With Integral Suppression, Reversing, Panel Mounted Miniature Contactor (Square D LC2K).....	220.87	57.15
26 29 13 13-0349 EA 3 Phase (3 HP At 200/230 Volt, 7-1/2 HP At 460 Volt, 10 HP At 575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 12 Amp, 20 Amp, AC Coil, Reversing, Panel Mounted Miniature Contactor (Square D LC2K).....	233.55	62.33
26 29 13 13-0350 EA 3 Phase (3 HP At 200/230 Volt, 7-1/2 HP At 460 Volt, 10 HP At 575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 4 Pole, Without Auxiliary Contacts, 12 Amp, 20 Amp, AC Coil, Reversing, Panel Mounted Miniature Contactor (Square D LC2K).....	233.55	62.33



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 29 13 13-0351 EA 3 Phase (1-1/2 HP At 200/230 Volt, 3 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 6 Amp, 15 Amp, DC Coil, Reversing, Panel Mounted Miniature Contactor (Square D LP2K).....	199.08	51.95
26 29 13 13-0352 EA 3 Phase (1-1/2 HP At 200/230 Volt, 3 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 6 Amp, 15 Amp, DC Coil With Integral Suppression, Reversing, Panel Mounted Miniature Contactor (Square D LP2K).....	210.48	51.95
26 29 13 13-0353 EA 3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 9 Amp, 20 Amp, DC Coil, Reversing, Panel Mounted Miniature Contactor (Square D LP2K).....	229.42	57.15
26 29 13 13-0354 EA 3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 9 Amp, 20 Amp, DC Coil With Integral Suppression, Reversing, Panel Mounted Miniature Contactor (Square D LP2K).....	240.82	57.15
26 29 13 13-0355 EA 3 Phase (3 HP At 200/230 Volt, 7-1/2 HP At 460 Volt, 10 HP At 575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 12 Amp, 20 Amp, DC Coil, Reversing, Panel Mounted Miniature Contactor (Square D LP2K).....	256.92	62.33
26 29 13 13-0356 EA 3 Phase (3 HP At 200/230 Volt, 7-1/2 HP At 460 Volt, 10 HP At 575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 12 Amp, 20 Amp, DC Coil With Integral Suppression, Reversing, Panel Mounted Miniature Contactor (Square D LP2K).....	268.32	62.33
26 29 13 13-0357 EA 3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 9 Amp, 20 Amp, DC Low Consumption Coil With Integral Suppression, Reversing, Panel Mounted Miniature Contactor (Square D LP5K).....	223.15	57.15
26 29 13 13-0358 EA 3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 9 Amp, 20 Amp, DC Low Consumption Coil With Integral Suppression, Reversing, Panel Mounted Miniature Contactor (Square D LP5K).....	249.94	57.15
26 29 13 13-0359 EA 3 Phase (3 HP At 200/230 Volt, 7-1/2 HP At 460 Volt, 10 HP At 575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 12 Amp, 20 Amp, DC Low Consumption Coil With Integral Suppression, Reversing, Panel Mounted Miniature Contactor (Square D LP5K).....	280.86	62.33
26 29 13 13-0360 Panel Mounted Miniature Contactor Accessories <small>(26 29 13 13-0324)</small>		
26 29 13 13-0361 EA 2 Auxiliary Contacts, 10 Amp, Panel Mounted Miniature Contactor Accessory (Square D LA1KN02).....	60.90	25.97
26 29 13 13-0362 EA 4 Auxiliary Contacts, 10 Amp, Panel Mounted Miniature Contactor Accessory (Square D LA1KN40).....	65.30	25.97
26 29 13 13-0363 EA Electronic Time Delay Contact, 2 Amp, Panel Mounted Miniature Contactor Accessory (Square D LA2KT2U).....	73.27	25.97
26 29 13 13-0364 EA Overload Relay, Panel Mounted Miniature Contactor Accessory (Square D LR2K0301).....	89.12	25.97
26 29 13 13-0365 Reduced Voltage Auto Transformer Type 240-600 Volt, 3 Pole <small>(26 29 13 13)</small>		
26 29 13 13-0366 NEMA 1 Enclosure <small>(26 29 13 13-0365)</small>		
26 29 13 13-0367 EA Reduced Voltage Auto Transformer Starter, Size 3, 50 HP, NEMA 1, 240 - 600 Volt, 3 Pole, Non-Reversing.....	5,969.95	498.04
For NEMA 4, Add	619.09	
26 29 13 13-0368 EA Reduced Voltage Auto Transformer Starter, Size 4, 100 HP, NEMA 1, 240 - 600 Volt, 3 Pole, Non-Reversing.....	10,376.71	664.06
For NEMA 4, Add	1,130.81	
26 29 13 13-0369 EA Reduced Voltage Auto Transformer Starter, Size 5, 200 HP, NEMA 1, 240 - 600 Volt, 3 Pole, Non-Reversing.....	18,083.27	788.57
For NEMA 4, Add	2,063.90	
26 29 13 13-0370 EA Reduced Voltage Auto Transformer Starter, Size 6, 300 HP, NEMA 1, 240 - 600 Volt, 3 Pole, Non-Reversing.....	43,891.02	964.95
For NEMA 4, Add	5,246.20	
26 29 13 13-0371 EA Reduced Voltage Auto Transformer Starter, Size 7, 600 HP, NEMA 1, 240 - 600 Volt, 3 Pole, Non-Reversing.....	69,960.72	1,234.74
For NEMA 4, Add	8,436.28	
26 29 13 13-0372 NEMA 12 Enclosure <small>(26 29 13 13-0365)</small>		
26 29 13 13-0373 EA Reduced Voltage Auto Transformer Starter, Size 3, 50 HP, NEMA 12, 240 - 600 Volt, 3 Pole, Non-Reversing.....	5,928.70	508.63
26 29 13 13-0374 EA Reduced Voltage Auto Transformer Starter, Size 4, 100 HP, NEMA 12, 240 - 600 Volt, 3 Pole, Non-Reversing.....	10,301.36	665.10
26 29 13 13-0375 EA Reduced Voltage Auto Transformer Starter, Size 5, 200 HP, NEMA 12, 240 - 600 Volt, 3 Pole, Non-Reversing.....	17,945.74	786.08
26 29 13 13-0376 EA Reduced Voltage Auto Transformer Starter, Size 6, 300 HP, NEMA 12, 240 - 600 Volt, 3 Pole, Non-Reversing.....	43,541.44	960.71
26 29 13 13-0377 EA Reduced Voltage Auto Transformer Starter, Size 7, 600 HP, NEMA 12, 240 - 600 Volt, 3 Pole, Non-Reversing.....	69,398.56	1,235.25
26 29 13 13-0378 Factory Modifications Pilot Devices <small>(26 29 13 13-0365)</small>		
26 29 13 13-0379 EA Start-Stop Push-button, Factory Modification Reduced Voltage Auto Transformer Starter, 240 - 600 Volt, 3 Phase, Pilot Device.....	145.86	
26 29 13 13-0380 EA H-O-A Select Switch, Factory Modification Reduced Voltage Auto Transformer Starter, 240 - 600 Volt, 3 Phase, Pilot Device.....	160.87	
26 29 13 13-0381 EA Forward-Reverse-Stop, Factory Modification Reduced Voltage Auto Transformer Starter, 240 - 600 Volt, 3 Phase, Pilot Device.....	273.82	
26 29 13 13-0382 EA Pilot Light, Factory Modification Reduced Voltage Auto Transformer Starter, 240 - 600 Volt, 3 Phase, Pilot Device.....	148.78	
26 29 13 13-0383 EA Fused Control Circuit, Factory Modification Reduced Voltage Auto Transformer Starter, 240 - 600 Volt, 3 Phase, Pilot Device.....	213.93	
26 29 13 13-0384 EA Auxiliary Interlock, Factory Modification Reduced Voltage Auto Transformer Starter, 240 - 600 Volt, 3 Phase, Pilot Device.....	106.96	
26 29 13 13-0385 EA Auxiliary Relay, Factory Modification Reduced Voltage Auto Transformer Starter, 240 - 600 Volt, 3 Phase, Pilot Device.....	349.12	
26 29 13 13-0386 Factory Modifications Meters <small>(26 29 13 13-0365)</small>		
26 29 13 13-0387 EA Ammeter And Switch, Factory Modification Reduced Voltage Auto Transformer Starter, 240 - 600 Volt, 3 Phase, Meter.....	1,403.35	
26 29 13 13-0388 EA Voltmeter, Factory Modification Reduced Voltage Auto Transformer Starter, 240 - 600 Volt, 3 Phase, Meter.....	1,355.45	
26 29 13 13-0389 EA Wattmeter, Factory Modification Reduced Voltage Auto Transformer Starter, 240 - 600 Volt, 3 Phase, Meter.....	479.19	
26 29 13 13-0390 EA Elapsed-time Meter, Factory Modification Reduced Voltage Auto Transformer Starter, 240 - 600 Volt, 3 Phase, Meter.....	397.06	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 29 13 13-0391				Factory Modifications Main Circuit Breakers <small>(26 29 13 13-0365)</small>		
	26 29 13 13-0392	EA		Reduced Voltage Auto Transformer Starter, Size 3, Circuit Breaker, Factory Modification Main Circuit Breaker.....	1,854.73	
	26 29 13 13-0393	EA		Reduced Voltage Auto Transformer Starter, Size 4, Circuit Breaker, Factory Modification Main Circuit Breaker.....	3,392.08	
	26 29 13 13-0394	EA		Reduced Voltage Auto Transformer Starter, Size 5-7, Circuit Breaker, Factory Modification Main Circuit Breaker.....	7,215.29	
26 29 13 13-0395				Factory Modifications Addition <small>(26 29 13 13-0365)</small>		
				Note: For reversing service auto transformer type.		
	26 29 13 13-0396	EA		Reduced Voltage Auto Transformer Starter, Size 3, Factory Modification For Reversing Type 240 - 600 Volt, 3 Phase	311.49	
	26 29 13 13-0397	EA		Reduced Voltage Auto Transformer Starter, Size 4, Factory Modification For Reversing Type 240 - 600 Volt, 3 Phase	311.49	
	26 29 13 13-0398	EA		Reduced Voltage Auto Transformer Starter, Size 5, Factory Modification For Reversing Type 240 - 600 Volt, 3 Phase	311.49	
	26 29 13 13-0399	EA		Reduced Voltage Auto Transformer Starter, Size 6, 7, Factory Modification For Reversing Type 240 - 600 Volt, 3 Phase	311.49	
26 29 13 13-0400				Combination Starters Non-Reversing <small>(26 29 13 13)</small>		
26 29 13 13-0401				240-600 Volts, 3-Pole <small>(26 29 13 13-0400)</small>		
26 29 13 13-0402				NEMA 1 With Disconnect Switch <small>(26 29 13 13-0401)</small>		
	26 29 13 13-0403	EA		Combination Starter, Size 0, NEMA 1 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase	1,168.78	238.65
				<i>For Electronic Overloads, Add</i>	130.80	
	26 29 13 13-0404	EA		Combination Starter, Size 1, NEMA 1 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase	1,478.10	373.53
				<i>For Electronic Overloads, Add</i>	137.98	
	26 29 13 13-0405	EA		Combination Starter, Size 2, NEMA 1 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase	2,014.53	435.79
				<i>For Electronic Overloads, Add</i>	218.48	
	26 29 13 13-0406	EA		Combination Starter, Size 3, NEMA 1 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase	2,994.74	539.54
				<i>For Electronic Overloads, Add</i>	363.64	
	26 29 13 13-0407	EA		Combination Starter, Size 4, NEMA 1 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase	5,421.00	861.20
				<i>For Electronic Overloads, Add</i>	701.42	
	26 29 13 13-0408	EA		Combination Starter, Size 5, NEMA 1 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase	10,450.26	1,079.10
				<i>For Electronic Overloads, Add</i>	1,574.84	
26 29 13 13-0409				NEMA 1 With Circuit Breaker <small>(26 29 13 13-0401)</small>		
	26 29 13 13-0410	EA		Combination Starter, Size 0, NEMA 1 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase	1,441.11	238.65
				<i>For Electronic Overloads, Add</i>	182.54	
	26 29 13 13-0411	EA		Combination Starter, Size 1, NEMA 1 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase	1,750.44	373.53
				<i>For Electronic Overloads, Add</i>	189.73	
	26 29 13 13-0412	EA		Combination Starter, Size 2, NEMA 1 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase	2,279.30	435.79
				<i>For Electronic Overloads, Add</i>	268.78	
	26 29 13 13-0413	EA		Combination Starter, Size 3, NEMA 1 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase	3,138.48	539.54
				<i>For Electronic Overloads, Add</i>	390.96	
	26 29 13 13-0414	EA		Combination Starter, Size 4, NEMA 1 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase	6,245.57	861.20
				<i>For Electronic Overloads, Add</i>	858.09	
	26 29 13 13-0415	EA		Combination Starter, Size 5, NEMA 1 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase	12,636.52	1,079.10
				<i>For Electronic Overloads, Add</i>	1,990.23	
26 29 13 13-0416				Factory Modifications For NEMA 1 Enclosure <small>(26 29 13 13-0401)</small>		
	26 29 13 13-0417	EA		Start-Stop Push-button, Factory Modifications - NEMA 1 Combination Motor Starter, 240 - 600 Volt.....	124.02	
	26 29 13 13-0418	EA		H-O-A Select Switch, Factory Modifications - NEMA 1 Combination Motor Starter, 240 - 600 Volt.....	291.29	
	26 29 13 13-0419	EA		Pilot Light, Factory Modifications - NEMA 1 Combination Motor Starter, 240 - 600 Volt.....	201.04	
26 29 13 13-0420				NEMA 4 With Disconnect Switch <small>(26 29 13 13-0401)</small>		
	26 29 13 13-0421	EA		Combination Starter, Size 0, NEMA 4 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase	2,055.12	311.28
				<i>For Electronic Overloads, Add</i>	268.78	
	26 29 13 13-0422	EA		Combination Starter, Size 1, NEMA 4 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase	2,317.12	435.79
				<i>For Electronic Overloads, Add</i>	275.97	
	26 29 13 13-0423	EA		Combination Starter, Size 2, NEMA 4 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase	3,230.20	477.29
				<i>For Electronic Overloads, Add</i>	431.20	
	26 29 13 13-0424	EA		Combination Starter, Size 3, NEMA 4 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase	5,018.55	581.05
				<i>For Electronic Overloads, Add</i>	734.48	
	26 29 13 13-0425	EA		Combination Starter, Size 4, NEMA 4 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase	7,917.42	861.20
				<i>For Electronic Overloads, Add</i>	1,175.74	
	26 29 13 13-0426	EA		Combination Starter, Size 5, NEMA 4 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase	16,819.92	1,079.10
				<i>For Electronic Overloads, Add</i>	2,765.07	
26 29 13 13-0427				NEMA 4 With Circuit Breaker <small>(26 29 13 13-0401)</small>		
	26 29 13 13-0428	EA		Combination Starter, Size 0, NEMA 4 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase	2,327.46	311.28
				<i>For Electronic Overloads, Add</i>	320.53	
	26 29 13 13-0429	EA		Combination Starter, Size 1, NEMA 4 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase	2,589.46	435.79
				<i>For Electronic Overloads, Add</i>	327.71	
	26 29 13 13-0430	EA		Combination Starter, Size 2, NEMA 4 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase	3,494.98	477.29
				<i>For Electronic Overloads, Add</i>	481.51	

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 29 Low-Voltage Controllers**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 29 13 13-0431 EA Combination Starter, Size 3, NEMA 4 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase.....	5,162.28	581.05
<i>For Electronic Overloads, Add</i>	761.79	
26 29 13 13-0432 EA Combination Starter, Size 4, NEMA 4 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase.....	8,741.99	861.20
<i>For Electronic Overloads, Add</i>	1,332.41	
26 29 13 13-0433 EA Combination Starter, Size 5, NEMA 4 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase.....	15,965.08	1,079.10
<i>For Electronic Overloads, Add</i>	2,622.65	
26 29 13 13-0434 Factory Modifications For NEMA 4 Enclosure <small>(26 29 13 13-0401)</small>		
26 29 13 13-0435 EA Start-Stop Push-button, Factory Modifications - NEMA 4 Combination Motor Starter, 240 - 600 Volt.....	124.04	
26 29 13 13-0436 EA H-O-A Select Switch, Factory Modifications - NEMA 4 Combination Motor Starter, 240 - 600 Volt.....	291.29	
26 29 13 13-0437 EA Pilot Light, Factory Modifications - NEMA 4 Combination Motor Starter, 240 - 600 Volt.....	201.04	
26 29 13 13-0438 NEMA 12 With Disconnect Switch <small>(26 29 13 13-0401)</small>		
26 29 13 13-0439 EA Combination Starter, Size 0, NEMA 12 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase	1,203.20	240.20
<i>For Electronic Overloads, Add</i>	137.34	
26 29 13 13-0440 EA Combination Starter, Size 1, NEMA 12 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase	1,514.41	375.92
<i>For Electronic Overloads, Add</i>	144.88	
26 29 13 13-0441 EA Combination Starter, Size 2, NEMA 12 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase	2,072.02	432.36
<i>For Electronic Overloads, Add</i>	229.40	
26 29 13 13-0442 EA Combination Starter, Size 3, NEMA 12 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase	3,090.44	540.38
<i>For Electronic Overloads, Add</i>	381.83	
26 29 13 13-0443 EA Combination Starter, Size 4, NEMA 12 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase	5,605.58	864.73
<i>For Electronic Overloads, Add</i>	736.49	
26 29 13 13-0444 EA Combination Starter, Size 5, NEMA 12 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase	10,864.68	1,080.75
<i>For Electronic Overloads, Add</i>	1,653.58	
26 29 13 13-0445 NEMA 12 With Circuit Breaker <small>(26 29 13 13-0401)</small>		
26 29 13 13-0446 EA Combination Starter, Size 0, NEMA 12 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase	1,528.39	240.20
<i>For Electronic Overloads, Add</i>	199.12	
26 29 13 13-0447 EA Combination Starter, Size 1, NEMA 12 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase	1,841.15	375.92
<i>For Electronic Overloads, Add</i>	206.96	
26 29 13 13-0448 EA Combination Starter, Size 2, NEMA 12 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase	2,407.80	432.36
<i>For Electronic Overloads, Add</i>	293.20	
26 29 13 13-0449 EA Combination Starter, Size 3, NEMA 12 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase	3,325.39	540.38
<i>For Electronic Overloads, Add</i>	426.47	
26 29 13 13-0450 EA Combination Starter, Size 4, NEMA 12 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase	6,655.82	864.73
<i>For Electronic Overloads, Add</i>	936.04	
26 29 13 13-0451 EA Combination Starter, Size 5, NEMA 12 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase	13,588.04	1,080.75
<i>For Electronic Overloads, Add</i>	2,171.02	
26 29 13 13-0452 Factory Modifications For NEMA 12 Enclosure <small>(26 29 13 13-0401)</small>		
26 29 13 13-0453 EA Start-Stop Push-button, Factory Modifications - NEMA 12 Combination Motor Starter, 240 - 600 Volt.....	123.00	
26 29 13 13-0454 EA H-O-A Select Switch, Factory Modifications - NEMA 12 Combination Motor Starter, 240 - 600 Volt.....	288.87	
26 29 13 13-0455 EA Pilot Light, Factory Modifications - NEMA 12 Combination Motor Starter, 240 - 600 Volt.....	199.37	
26 29 13 13-0456 NEMA 7 Or 9 With Circuit Breaker <small>(26 29 13 13-0401)</small>		
26 29 13 13-0457 EA Combination Starter, Size 0, NEMA 7 Or 9 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase	2,615.98	498.04
26 29 13 13-0458 EA Combination Starter, Size 1, NEMA 7 Or 9 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase	3,539.08	664.06
26 29 13 13-0459 EA Combination Starter, Size 2, NEMA 7 Or 9 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase	3,938.56	913.08
26 29 13 13-0460 EA Combination Starter, Size 3, NEMA 7 Or 9 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase	5,799.21	1,245.11
26 29 13 13-0461 EA Combination Starter, Size 4, NEMA 7 Or 9 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase	8,675.56	1,743.16
26 29 13 13-0462 Factory Modifications For NEMA 7 Or 9 Enclosure <small>(26 29 13 13-0401)</small>		
26 29 13 13-0463 EA Start-Stop Push-button, Factory Modifications - NEMA 7 Or 9 Combination Motor Starter, 240 - 600 Volt.....	737.56	
26 29 13 13-0464 EA H-O-A Select Switch, Factory Modifications - NEMA 7 Or 9 Combination Motor Starter, 240 - 600 Volt.....	737.56	
26 29 13 13-0465 EA Pilot Light, Factory Modifications - NEMA 7 Or 9 Combination Motor Starter, 240 - 600 Volt.....	737.56	
26 29 13 13-0466 Combination Starters Reversing <small>(26 29 13 13)</small>		
26 29 13 13-0467 240-600 Volt, 3 Pole <small>(26 29 13 13-0466)</small>		
26 29 13 13-0468 NEMA 1 With Disconnect Switch <small>(26 29 13 13-0467)</small>		
26 29 13 13-0469 EA Combination Starter, Size 0, NEMA 1 With Disconnect Switch, Reversing, 240 - 600 Volt, 3 Phase	1,460.84	311.28
26 29 13 13-0470 EA Combination Starter, Size 1, NEMA 1 With Disconnect Switch, Reversing, 240 - 600 Volt, 3 Phase	1,739.95	435.79
26 29 13 13-0471 EA Combination Starter, Size 2, NEMA 1 With Disconnect Switch, Reversing, 240 - 600 Volt, 3 Phase	2,423.83	477.29
26 29 13 13-0472 EA Combination Starter, Size 3, NEMA 1 With Disconnect Switch, Reversing, 240 - 600 Volt, 3 Phase	3,577.34	581.05
26 29 13 13-0473 EA Combination Starter, Size 4, NEMA 1 With Disconnect Switch, Reversing, 240 - 600 Volt, 3 Phase	6,807.13	861.20
26 29 13 13-0474 NEMA 1 With Circuit Breaker <small>(26 29 13 13-0467)</small>		
26 29 13 13-0475 EA Combination Starter, Size 0, NEMA 1 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase.....	1,604.53	311.28
26 29 13 13-0476 EA Combination Starter, Size 1, NEMA 1 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase.....	1,893.34	435.79
26 29 13 13-0477 EA Combination Starter, Size 2, NEMA 1 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase.....	2,603.39	477.29
26 29 13 13-0478 EA Combination Starter, Size 3, NEMA 1 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase.....	3,330.13	581.05



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 29 13 13-0479 EA Combination Starter, Size 4, NEMA 1 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase.....	7,292.82	861.20
26 29 13 13-0480 NEMA 12 With Disconnect Switch <small>(26 29 13 13-0467)</small>		
26 29 13 13-0481 EA Combination Starter, Size 0, NEMA 12 With Disconnect Switch, Reversing, 240 - 600 Volt, 3 Phase	1,544.40	320.30
26 29 13 13-0482 EA Combination Starter, Size 1, NEMA 12 With Disconnect Switch, Reversing, 240 - 600 Volt, 3 Phase	1,829.11	432.36
26 29 13 13-0483 EA Combination Starter, Size 2, NEMA 12 With Disconnect Switch, Reversing, 240 - 600 Volt, 3 Phase	2,572.85	480.41
26 29 13 13-0484 EA Combination Starter, Size 3, NEMA 12 With Disconnect Switch, Reversing, 240 - 600 Volt, 3 Phase	3,824.28	576.48
26 29 13 13-0485 EA Combination Starter, Size 4, NEMA 12 With Disconnect Switch, Reversing, 240 - 600 Volt, 3 Phase	7,324.34	864.73
26 29 13 13-0486 NEMA 12 With Circuit Breaker <small>(26 29 13 13-0467)</small>		
26 29 13 13-0487 EA Combination Starter, Size 0, NEMA 12 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase.....	1,702.73	320.30
26 29 13 13-0488 EA Combination Starter, Size 1, NEMA 12 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase.....	1,998.12	432.36
26 29 13 13-0489 EA Combination Starter, Size 2, NEMA 12 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase.....	2,770.70	480.41
26 29 13 13-0490 EA Combination Starter, Size 3, NEMA 12 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase.....	3,551.90	576.48
26 29 13 13-0491 EA Combination Starter, Size 4, NEMA 12 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase.....	7,859.49	864.73
26 29 13 13-0492 NEMA 7 Or 9 With Circuit Breaker <small>(26 29 13 13-0467)</small>		
26 29 13 13-0493 EA Combination Starter, Size 0, NEMA 7 Or 9 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase.....	3,200.18	664.06
26 29 13 13-0494 EA Combination Starter, Size 1, NEMA 7 Or 9 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase.....	3,492.10	830.07
26 29 13 13-0495 EA Combination Starter, Size 2, NEMA 7 Or 9 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase.....	4,968.42	1,079.10
26 29 13 13-0496 EA Combination Starter, Size 3, NEMA 7 Or 9 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase.....	7,764.08	1,411.12
26 29 13 13-0497 EA Combination Starter, Size 4, NEMA 7 Or 9 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase.....	13,866.10	1,909.16
26 29 13 13-0498 Solid State Motor Controllers <small>(26 29 13 13)</small>		
26 29 13 13-0499 Adjustable Voltage Drives, DC Motors <small>(26 29 13 13-0498)</small>		
26 29 13 13-0500 EA 0.5-1.5 HP DC Solid State Motor Controller, Reversing With Dynamic Braking	1,125.95	186.76
26 29 13 13-0501 EA 0.5-2.0 HP DC Solid State Motor Controller, Non-Reversing With Dynamic Braking.....	1,327.02	186.76
26 29 13 13-0502 Removal And Reinstallation Of Motor Starters <small>(26 29 13 13)</small>		
Note: Includes storage and cleaning.		
26 29 13 13-0503 EA Removal And Reinstallation Of Up To 25 HP Motor Starter With Disconnect.....	741.13	
26 29 13 13-0504 Auxiliary Devices <small>(26 29 13 13)</small>		
26 29 13 13-0505 EA Auxiliary Contact, Normally Open	364.07	103.76
26 29 13 13-0506 EA Auxiliary Contact, Normally Closed.....	364.07	103.76
26 29 13 13-0507 EA Pilot Light Kit.....	379.86	103.76
26 29 23 Variable-Frequency Motor Controllers <small>(26 29)</small>		
26 29 23 00-0001 208/230 Volt Variable Frequency Drives <small>(26 29 23)</small>		
Note: 1 or 3 phase. Wall mounted. ABB ACH550 or ACS550 Series. Includes full voltage bypass. NEMA 1 enclosure.		
26 29 23 00-0002 EA 3/4 HP, 208/230 Volt Variable Frequency Drive	1,490.40	222.54
26 29 23 00-0003 EA 1 HP, 208/230 Volt Variable Frequency Drive	1,661.40	222.54
26 29 23 00-0004 EA 1-1/2 HP, 208/230 Volt Variable Frequency Drive	1,917.40	222.54
26 29 23 00-0005 EA 2 HP, 208/230 Volt Variable Frequency Drive	2,085.40	222.54
26 29 23 00-0006 EA 3 HP, 208/230 Volt Variable Frequency Drive	2,193.40	222.54
26 29 23 00-0007 EA 5 HP, 208/230 Volt Variable Frequency Drive	2,269.05	222.54
26 29 23 00-0008 EA 7.5 HP, 208/230 Volt Variable Frequency Drive	2,529.82	334.45
26 29 23 00-0009 EA 10 HP, 208/230 Volt Variable Frequency Drive	3,076.41	334.45
26 29 23 00-0010 EA 15 HP, 208/230 Volt Variable Frequency Drive	3,720.95	444.93
26 29 23 00-0011 EA 20 HP, 208/230 Volt Variable Frequency Drive	4,301.47	444.93
26 29 23 00-0012 EA 25 HP, 208/230 Volt Variable Frequency Drive	5,353.52	556.87
26 29 23 00-0013 EA 30 HP, 208/230 Volt Variable Frequency Drive	6,642.02	556.87
26 29 23 00-0014 EA 40 HP, 208/230 Volt Variable Frequency Drive	8,077.71	653.86
26 29 23 00-0015 EA 50 HP, 208/230 Volt Variable Frequency Drive	9,093.89	781.76
26 29 23 00-0016 EA 60 HP, 208/230 Volt Variable Frequency Drive	10,264.89	781.76
26 29 23 00-0017 EA 75 HP, 208/230 Volt Variable Frequency Drive	12,053.89	781.76
26 29 23 00-0018 460/480 Volt Variable Frequency Drives <small>(26 29 23)</small>		
Note: 3 Phase. ABB ACH550 or ACS550 Series. Includes full voltage bypass. NEMA 1 enclosure.		
26 29 23 00-0019 EA 3 HP, 480 Volt Variable Frequency Drive	1,978.41	195.37
Note: Wall mounted.		
26 29 23 00-0020 EA 5 HP, 480 Volt Variable Frequency Drive	2,126.40	222.54
Note: Wall mounted.		
26 29 23 00-0021 EA 7.5 HP, 480 Volt Variable Frequency Drive	2,276.82	334.45
Note: Wall mounted.		
26 29 23 00-0022 EA 10 HP, 480 Volt Variable Frequency Drive	2,534.32	334.46
Note: Wall mounted.		
26 29 23 00-0023 EA 15 HP, 480 Volt Variable Frequency Drive	3,189.95	444.93
Note: Wall mounted.		

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 29 Low-Voltage Controllers**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 29 23 00-0024 EA 20 HP, 480 Volt Variable Frequency Drive Note: Wall mounted.	3,724.81	444.96
26 29 23 00-0025 EA 25 HP, 480 Volt Variable Frequency Drive Note: Wall mounted.	4,675.52	556.89
26 29 23 00-0026 EA 30 HP, 480 Volt Variable Frequency Drive Note: Wall mounted.	5,328.02	556.87
26 29 23 00-0027 EA 40 HP, 480 Volt Variable Frequency Drive Note: Wall mounted.	6,368.71	653.86
26 29 23 00-0028 EA 50 HP, 480 Volt Variable Frequency Drive Note: Wall mounted.	7,536.89	781.76
26 29 23 00-0029 EA 60 HP, 480 Volt Variable Frequency Drive Note: Wall mounted.	8,729.25	835.84
26 29 23 00-0030 EA 75 HP, 480 Volt Variable Frequency Drive Note: Wall mounted.	9,860.60	889.93
26 29 23 00-0031 EA 100 HP, 480 Volt Variable Frequency Drive Note: Wall mounted.	11,741.55	943.75
26 29 23 00-0032 EA 125 HP, 480 Volt Variable Frequency Drive Note: Wall mounted.	13,882.04	996.76
26 29 23 00-0033 EA 150 HP, 480 Volt Variable Frequency Drive Note: Floor mounted.	15,961.03	1,113.68
26 29 23 00-0034 EA 200 HP, 480 Volt Variable Frequency Drive Note: Floor mounted.	21,359.85	1,221.03
26 29 23 00-0035 EA 250 HP, 480 Volt Variable Frequency Drive Note: Floor mounted.	27,400.71	1,328.98
26 29 23 00-0036 EA 300 HP, 480 Volt Variable Frequency Drive Note: Floor mounted.	32,261.80	1,557.42
26 29 23 00-0037 EA 350 HP, 480 Volt Variable Frequency Drive Note: Floor mounted.	37,451.47	1,764.18
26 29 23 00-0038 EA 400 HP, 480 Volt Variable Frequency Drive Note: Floor mounted.	43,819.07	1,993.53
26 29 23 00-0039 EA 450 HP, 480 Volt Variable Frequency Drive Note: Floor mounted.	47,330.50	2,239.87

26 30 Facility Electrical Power Generating And Storing Equipment*(26)***26 31 Photovoltaic Collectors *(26 30)*****26 31 00 00-0001****Photovoltaic Collectors *(26 31)***

Note: All materials are to be installed per manufacturers specifications and must be in compliance with the California Energy Commission Guidelines (CEC-300-2011-005-CMF). See CSI section 26 28 13 00-0078 for fuses.

26 31 00 00-0002**Rigid Photovoltaic Modules *(26 31)*****26 31 00 00-0003****Sanyo Rigid Photovoltaic Modules *(26 31 00 00-0002)***

26 31 00 00-0004 EA 205 Watt Hybrid Monocrystalline With Thin Amorphous Layers Photovoltaic Module, 62.2" x 31.4", 16.3% Module Efficiency (Sanyo HIP-205NHKA6).....	1,176.80	98.57
<i>For >50, Deduct</i>	-97.97	
26 31 00 00-0005 EA 210 Watt Hybrid Monocrystalline With Thin Amorphous Layers Photovoltaic Module, 62.2" x 31.4", 16.7% Module Efficiency (Sanyo HIP-210NHKA6).....	1,229.91	98.57
<i>For >50, Deduct</i>	-103.28	
26 31 00 00-0006 EA 215 Watt Hybrid Monocrystalline With Thin Amorphous Layers Photovoltaic Module, 62.2" x 31.4", 17.1% Module Efficiency (Sanyo HIP-215HNKA6).....	1,155.97	98.57
<i>For >50, Deduct</i>	-95.88	

26 31 00 00-0007**Sharp Rigid Photovoltaic Modules *(26 31 00 00-0002)***

26 31 00 00-0008 EA 224 Watt Polycrystalline Photovoltaic Module, 64.6" x 39.1", 13.74% Module Efficiency (Sharp ND-224UC1).....	937.68	98.57
<i>For >50, Deduct</i>	-74.05	
26 31 00 00-0009 EA 230 Watt Monocrystalline Photovoltaic Module, 64.6" x 39.1", 14.1% Module Efficiency (Sharp NU-U230F3).....	1,056.22	98.57
<i>For >50, Deduct</i>	-85.91	
26 31 00 00-0010 EA 235 Watt Monocrystalline Photovoltaic Module, 64.6" x 39.1", 14.4% Module Efficiency (Sharp NU-U235F1).....	1,074.99	98.57
<i>For >50, Deduct</i>	-87.79	
26 31 00 00-0011 EA 240 Watt Monocrystalline Photovoltaic Module, 64.6" x 39.1", 14.7% Module Efficiency (Sharp NU-U240F1).....	1,016.31	98.57
<i>For >50, Deduct</i>	-81.92	

26 31 00 00-0012**BP Solar Rigid Photovoltaic Modules *(26 31 00 00-0002)***

Note: Approved for applications in NEC Class 1, Division 2, Groups C and D hazardous locations.

26 31 00 00-0013 EA 50 Watt Polycrystalline Photovoltaic Module, 33" x 21.1" (BP SX350J).....	501.04	98.57
<i>For >50, Deduct</i>	-30.39	
26 31 00 00-0014 EA 75 Watt Polycrystalline Photovoltaic Module, 47.6" x 21.14" (BP SX375J).....	600.80	98.57
<i>For >50, Deduct</i>	-40.37	
26 31 00 00-0015 EA 80 Watt Polycrystalline Photovoltaic Module, 47.6" x 20.9" (BP SX380J).....	640.70	98.57
<i>For >50, Deduct</i>	-44.36	

26 31 00 00-0016**Photovoltaic Inverters *(26 31)*****26 31 00 00-0017****Fronius Photovoltaic Inverters *(26 31 00 00-0016)***

26 31 00 00-0018 EA 3 KW Photovoltaic Inverter (Fronius IG Plus 3.0-1).....	2,702.70	103.76
26 31 00 00-0019 EA 5 KW Photovoltaic Inverter (Fronius IG Plus 5.0-1).....	3,539.42	103.76
26 31 00 00-0020 EA 6 KW Photovoltaic Inverter (Fronius IG Plus 6.0-1).....	3,731.66	103.76



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 31 00 00-0021 EA 7.5 KW Photovoltaic Inverter (Fronius IG Plus 7.5-1)	4,162.95	103.76
26 31 00 00-0022 EA 10 KW Photovoltaic Inverter (Fronius IG Plus 10.0-1)	6,545.21	103.76
26 31 00 00-0023 EA 12 KW Photovoltaic Inverter (Fronius IG Plus 12.0-3-1)	7,595.33	103.76
26 31 00 00-0024 EA 11.4 KW Photovoltaic Inverter (Fronius IG Plus 11.4-3 Delta)	6,280.50	207.52
26 31 00 00-0025 EA 11.4 KW Photovoltaic Inverter (Fronius IG Plus 11.4-3)	7,906.06	207.52
26 31 00 00-0026 EA Inverter Display Stand (Fronius 4,045,894)	270.06	51.88
26 31 00 00-0027 SMA Photovoltaic Inverters (26 31 00 00-0016)		
26 31 00 00-0028 EA 4 KW AC Photovoltaic Inverter (SMA Sunny Boy 4000TL-US-22)	2,008.33	103.76
26 31 00 00-0029 EA 5 KW AC Photovoltaic Inverter (SMA Sunny Boy 5000TL-US-22)	2,394.32	103.76
26 31 00 00-0030 EA 6 KW AC Photovoltaic Inverter (SMA Sunny Boy 6000TL-US-22)	2,754.04	103.76
26 31 00 00-0031 EA 7 KW AC Photovoltaic Inverter (SMA Sunny Boy 7000TL-US-22)	3,028.66	103.76
26 31 00 00-0032 EA 8 KW AC Photovoltaic Inverter (SMA Sunny Boy 8000TL-US-12)	2,936.16	103.76
26 31 00 00-0033 PVPowered Photovoltaic Inverters (26 31 00 00-0016)		
26 31 00 00-0034 EA 120 Volt, 1.1 KW Photovoltaic Inverter (PVPowered PVP1100)	2,490.32	103.76
26 31 00 00-0035 EA 240 Volt, 2 KW Photovoltaic Inverter (PVPowered PVP2000)	2,600.85	103.76
26 31 00 00-0036 EA 240 Volt, 2.5 KW Photovoltaic Inverter (PVPowered PVP2500)	2,865.18	103.76
26 31 00 00-0037 EA 240 Volt, 3.5 KW Photovoltaic Inverter (PVPowered PVP3500)	3,402.44	129.70
26 31 00 00-0038 EA 208 Volt, 4.6 KW Photovoltaic Inverter (PVPowered PVP4600)	4,146.38	155.64
26 31 00 00-0039 EA 240 Volt, 4.8 KW Photovoltaic Inverter (PVPowered PVP4800)	4,180.03	155.64
26 31 00 00-0040 EA 240 Volt, 5.2 KW Photovoltaic Inverter (PVPowered PVP5200)	4,403.98	155.64
26 31 00 00-0041 EA 208 Volt, 75 KW Photovoltaic Inverter (PVPowered PVP75kW)	51,711.36	830.07
26 31 00 00-0042 EA 480 Volt, 75 KW Photovoltaic Inverter (PVPowered PVP75kW)	51,778.95	830.07
26 31 00 00-0043 EA 208 Volt, 100 KW Photovoltaic Inverter (PVPowered PVP100kW)	55,976.83	830.07
26 31 00 00-0044 EA 480 Volt, 100 KW Photovoltaic Inverter (PVPowered PVP100kW)	51,940.25	830.07
26 31 00 00-0045 Solectria Photovoltaic Inverters (26 31 00 00-0016)		
26 31 00 00-0046 EA 208 Or 480 Volt, 10 KW Photovoltaic Inverter (Solectria PVI)	8,199.48	207.52
26 31 00 00-0047 EA 208 Or 480 Volt, 13 KW Photovoltaic Inverter (Solectria PVI)	8,199.48	207.52
26 31 00 00-0048 EA 208 Volt, 15 KW, Photovoltaic Inverter (Solectria PVI)	8,434.58	207.52
26 31 00 00-0049 EA 480 Volt, 15 KW Photovoltaic Inverter (Solectria PVI)	8,434.58	207.52
26 31 00 00-0050 EA 208 Volt, 50 KW Photovoltaic Inverter (Solectria PVI)	25,669.48	622.55
26 31 00 00-0051 EA 480 Volt, 50 KW Photovoltaic Inverter (Solectria PVI)	24,493.97	622.55
26 31 00 00-0052 EA 208 Volt, 60 KW Photovoltaic Inverter (Solectria PVI)	28,020.49	622.55
26 31 00 00-0053 EA 480 Volt, 60 KW Photovoltaic Inverter (Solectria PVI)	27,367.43	622.55
26 31 00 00-0054 EA 208 Volt, 75 KW Photovoltaic Inverter (Solectria PVI)	29,718.44	622.55
26 31 00 00-0055 EA 480 Volt, 75 KW Photovoltaic Inverter (Solectria PVI)	28,412.32	622.55
26 31 00 00-0056 EA 208 Volt, 85 KW Photovoltaic Inverter (Solectria PVI)	31,439.59	830.07
26 31 00 00-0057 EA 480 Volt, 85 KW Photovoltaic Inverter (Solectria PVI)	30,002.87	830.07
26 31 00 00-0058 EA 208 Volt, 100 KW Photovoltaic Inverter (Solectria PVI)	32,615.10	830.07
26 31 00 00-0059 EA 480 Volt, 100 KW Photovoltaic Inverter (Solectria PVI)	30,917.15	830.07
26 31 00 00-0060 Xantrex Photovoltaic Inverters (26 31 00 00-0016)		
26 31 00 00-0061 EA 0.6 KW Photovoltaic Inverter (Xantrex 806-1206)	356.14	25.94
26 31 00 00-0062 EA 1 KW Photovoltaic Inverter (Xantrex 806-1210)	386.36	25.94
26 31 00 00-0063 EA 2 KW Photovoltaic Inverter (Xantrex 806-1220)	608.45	25.94
26 31 00 00-0064 Photovoltaic DC-DC Converters (26 31)		
26 31 00 00-0065 EA 15 Amp, 20 To 35 Volt Input, 13.8 Volt Output DC Voltage Converter (Samlex SDC-20)	228.04	38.91
Note: Hazardous locations.		
26 31 00 00-0066 EA 20 Amp, 20 To 35 Volt Input, 13.8 Volt Output DC Voltage Converter (Samlex SDC-23)	162.32	38.91
26 31 00 00-0067 EA 60 Amp, 20 To 35 Volt Input, 13.8 Volt Output DC Voltage Converter (Samlex SDC-60)	397.04	38.91
26 31 00 00-0068 Photovoltaic Combiner Boxes (26 31)		
26 31 00 00-0069 Midnight Solar Photovoltaic Combiner Boxes (26 31 00 00-0068)		
26 31 00 00-0070 EA 3 - 150 Volt DC Breaker Or 3 - 600 Volt DC Fuse Holder, NEMA 3R, Aluminum Photovoltaic Combiner Box (Midnite Solar MNPV3)	318.34	103.76
26 31 00 00-0071 EA 6 - 150 Volt DC Breaker Or 4 - 600 Volt DC Fuse Holder, NEMA 3R, Aluminum Photovoltaic Combiner Box (Midnite Solar MNPV6)	312.25	103.76
26 31 00 00-0072 EA 12 - 150 Volt DC Breaker Or 10 - 600 Volt DC Fuse Holder, NEMA 3R, Aluminum Photovoltaic Combiner Box (Midnite Solar MNPV12)	489.37	155.64
26 31 00 00-0073 EA 6 - 300 Volt DC Breaker, NEMA 3R, Aluminum Photovoltaic Combiner Box (Midnite Solar MNPV12-250)	491.50	155.64
26 31 00 00-0074 EA 16, 600 Volt DC Breakers, NEMA 3R, Aluminum Photovoltaic Combiner Box (Midnite Solar MNPV16)	688.92	155.64
26 31 00 00-0075 SMA Photovoltaic Combiner Boxes (26 31 00 00-0068)		
26 31 00 00-0076 EA 6 Input NEMA 3R, Steel Photovoltaic Combiner Box (SMA SBCB-6)	605.60	103.76
26 31 00 00-0077 EA 12 Input NEMA 3R, Steel Photovoltaic Combiner Box (SMA SCCB-12)	709.32	103.76
26 31 00 00-0078 EA 28 Input NEMA 3R, Steel Photovoltaic Combiner Box (SMA SCCB-28)	1,378.98	207.52
26 31 00 00-0079 EA 52 Input NEMA 3R, Steel Photovoltaic Combiner Box (SMA SCCB-52)	2,958.15	207.52
26 31 00 00-0080 EA 4 Input NEMA 3R, Steel Combination DC Disconnect And Photovoltaic Combiner Box (SMA Combi-Switch)	549.47	103.76

26 Electrical**26 30 Facility Electrical Power Generating And Storing Equipment****26 31 Photovoltaic Collectors**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 31 00 00-0081 Photovoltaic Charge Controller <small>(26 31)</small>		
26 31 00 00-0082 EA 35 Amp, 12 Or 24 Volt, Charge Controller (Xantrex C-35).....	188.14	38.91
26 31 00 00-0083 EA 40 Amp, 12 Or 24 Volt, Charge Controller (Xantrex C-40).....	240.95	38.91
26 31 00 00-0084 EA 60 Amp, 12 Or 24 Volt, Charge Controller (Xantrex C-60).....	276.16	38.91
26 31 00 00-0085 EA Remote Digital Meter For Xantrex C-35, 40 And 60.....	218.65	38.91
26 31 00 00-0086 EA MPPT Charge Controller (Xantrex XW SCC).....	692.85	51.88
26 31 00 00-0087 Photovoltaic Batteries <small>(26 31)</small>		
26 31 00 00-0088 Concorde Photovoltaic Batteries <small>(26 31 00 00-0087)</small>		
26 31 00 00-0089 EA 34 Amp Hours, 12 Volt, Sealed Absorbed Glass Mat (AGM) Battery (Concorde PVX-340T).....	157.79	15.57
26 31 00 00-0090 EA 45 Amp Hours, 12 Volt, Sealed Absorbed Glass Mat (AGM) Battery (Concorde PVX-420T).....	199.82	20.75
26 31 00 00-0091 EA 49 Amp Hours, 12 Volt, Sealed Absorbed Glass Mat (AGM) Battery (Concorde PVX-490T).....	215.13	20.75
26 31 00 00-0092 EA 56 Amp Hours, 12 Volt, Sealed Absorbed Glass Mat (AGM) Battery (Concorde PVX-560T).....	252.24	31.13
26 31 00 00-0093 EA 69 Amp Hours, 12 Volt, Sealed Absorbed Glass Mat (AGM) Battery (Concorde PVX-690T).....	283.91	31.13
26 31 00 00-0094 EA 89 Amp Hours, 12 Volt, Sealed Absorbed Glass Mat (AGM) Battery (Concorde PVX-890T).....	336.51	36.31
26 31 00 00-0095 EA 104 Amp Hours, 12 Volt, Sealed Absorbed Glass Mat (AGM) Battery (Concorde PVX-1040T).....	385.74	41.50
26 31 00 00-0096 EA 108 Amp Hours, 12 Volt, Sealed Absorbed Glass Mat (AGM) Battery (Concorde PVX-1080T).....	381.72	41.50
26 31 00 00-0097 EA 210 Amp Hours, 12 Volt, Sealed Absorbed Glass Mat (AGM) Battery (Concorde PVX-2120T).....	679.09	49.29
26 31 00 00-0098 EA 255 Amp Hours, 12 Volt, Sealed Absorbed Glass Mat (AGM) Battery (Concorde PVX-2580T).....	781.39	51.88
26 31 00 00-0099 Deka Photovoltaic Batteries <small>(26 31 00 00-0087)</small>		
26 31 00 00-0100 EA 31 Amp Hours Capacity @ 20 Hour Lead Acid Battery (Deka BYDK8GU1).....	172.83	25.97
26 31 00 00-0101 EA 50 Amp Hours Capacity @ 20 Hour Lead Acid Battery (Deka BYDK8G22NF).....	230.34	25.97
26 31 00 00-0102 EA 74 Amp Hours Capacity @ 20 Hour Lead Acid Battery (Deka BYDK8G24).....	330.09	25.97
26 31 00 00-0103 EA 86 Amp Hours Capacity @ 20 Hour Lead Acid Battery (Deka BYDK8G27).....	374.69	25.97
26 31 00 00-0104 EA 98 Amp Hours Capacity @ 20 Hour Lead Acid Battery (Deka BYDK8G31).....	375.86	25.97
26 31 00 00-0105 EA 183 Amp Hours Capacity @ 20 Hour Lead Acid Battery (Deka BYDK8G4D).....	709.17	25.97
26 31 00 00-0106 EA 225 Amp Hours Capacity @ 20 Hour Lead Acid Battery (Deka BYDK8G8D).....	817.14	25.97
26 31 00 00-0107 Battery Enclosures <small>(26 31 00 00-0087)</small>		
26 31 00 00-0108 EA 14" x 12" x 8" NEMA 3R Aluminum Photovoltaic Battery Enclosure (IronRidge 55-2501-010).....	192.71	25.94
26 31 00 00-0109 EA 22" x 16" x 8" NEMA 3R Aluminum Photovoltaic Battery Enclosure (IronRidge BETS1GC).....	865.25	25.97
26 31 00 00-0110 EA 37" x 16" x 8" NEMA 3R Aluminum Photovoltaic Battery Enclosure (IronRidge BETS2GCL).....	814.79	25.97
26 31 00 00-0111 EA 37" x 16" x 14.5" NEMA 3R Aluminum Photovoltaic Battery Enclosure (IronRidge BETS4GC).....	1,078.85	25.97
26 31 00 00-0112 EA 15" x 17.1" x 8.4" NEMA 3R Aluminum Photovoltaic Battery Enclosure (IronRidge BETSLCF1).....	492.05	25.97
26 31 00 00-0113 EA 31" x 36" x 14" NEMA 3R Aluminum Photovoltaic Battery Enclosure (IronRidge BETSBR827BP).....	1,129.31	25.97
26 31 00 00-0114 Photovoltaic System Monitoring <small>(26 31)</small>		
26 31 00 00-0115 EA Solar Inverter Monitor (Xantrex 864-0203).....	404.44	51.88
26 31 00 00-0116 EA Photovoltaic System Monitoring, Remote Diagnosis, Data Storage Communication Hub (SMA Sunny WebBox).....	772.76	25.94
26 31 00 00-0117 EA Sun Radiation And Temperature Monitor (SMA Sunny SensorBox).....	648.98	25.94
26 31 00 00-0118 EA PT100 Ambient Temperature Sensor For Sunny SensorBox (SMA).....	136.17	25.94
26 31 00 00-0119 EA Wind Sensor Accessory For Sunny SensorBox (SMA).....	327.07	51.88
26 31 00 00-0120 EA Sunny Boy Control with RS485 (SMA).....	760.44	25.94
26 31 00 00-0121 EA RS 485 Module (SMA).....	188.48	25.94
26 31 00 00-0122 EA RS 232 Module (SMA).....	192.71	25.94
26 31 00 00-0123 EA Wireless Monitor with Bluetooth (SMA Sunny Beam).....	363.96	
26 31 00 00-0124 EA Bluetooth Piggy-Back Computer Card (SMA).....	195.00	25.94
26 31 00 00-0125 EA RS485-N Communication Computer Card (SMA).....	193.81	25.94
26 31 00 00-0126 EA Bluetooth Repeater (SMA).....	348.17	25.94
26 31 00 00-0127 EA Sunny Boy PC Service Cable (SMA).....	161.90	7.78
26 31 00 00-0128 EA Integrated Revenue Grade Meter, Option (PVPowered).....	3,010.28	
26 31 00 00-0129 EA Data Monitoring Module (PVPowered PVM1010).....	347.48	25.94
26 31 00 00-0130 EA Wireless IG Personal Display (Fronius 4,240,108).....	369.11	
26 31 00 00-0131 EA DatCom Power Supply (Fronius 43,0001,2311).....	117.35	
26 31 00 00-0132 EA Wireless Card For IG Personal Display (Fronius 4,240,008,Z).....	214.98	25.94
26 31 00 00-0133 EA Retrofit Solar Inverter Interface And Power Supply Option Communication Card (Fronius 4,240,001,Z).....	184.94	25.94
26 31 00 00-0134 EA Datalogger Pro Box (Fronius 4,240,102).....	668.35	25.94
26 31 00 00-0135 EA Datalogger Easy Box (Fronius 4,240,103).....	441.67	25.94
26 31 00 00-0136 EA Datalogger Interface Box (Fronius 4,240,105).....	752.00	25.94
26 31 00 00-0137 EA Datalogger Web (Fronius 4,240,122).....	1,278.00	25.94
26 31 00 00-0138 EA Interface Box (Fronius 4,240,109).....	357.84	25.94
26 31 00 00-0139 EA Interface Card (Fronius 4,240,009,Z).....	261.00	25.94
26 31 00 00-0140 EA Interface Card Easy (Fronius 4,240,013,Z).....	178.84	25.94
26 31 00 00-0141 EA Sensor Box (Fronius 4,240,104).....	697.15	25.94
26 31 00 00-0142 EA Ambient Temperature Sensor (Fronius 43,0001,1188).....	94.90	25.94
26 31 00 00-0143 EA Irradiance Sensor (Fronius 43,0001,1188).....	255.03	25.94
26 31 00 00-0144 EA Module Temperature Sensor (Fronius 43,0001,1190).....	281.79	25.94
26 31 00 00-0145 EA Wind Speed Sensor (Fronius 42,0411,0027).....	178.20	51.88
26 31 00 00-0146 Photovoltaic System Accessories <small>(26 31)</small>		
26 31 00 00-0147 EA Four Inverter Bypass Switch (OutBack AC-IOB-100Q).....	539.44	51.88
26 31 00 00-0148 EA Line Communication Filter (Enphase LCF).....	1,168.70	103.76
26 31 00 00-0149 EA 15 Meter RS 485 Communication Cable (SMA).....	89.51	7.78



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 31 00 00-0150 EA 15 Meter RS 232 Communication Cable (SMA)	131.76	7.78
26 31 00 00-0151 EA 24" #10 AWG Male Or Female Photovoltaic Multi-Contact Module Interconnect	22.20	2.56
26 31 00 00-0152 EA 36" #10 AWG Male Or Female Photovoltaic Multi-Contact Module Interconnect	23.61	2.56
26 31 00 00-0153 EA 48" #10 AWG Male Or Female Photovoltaic Multi-Contact Module Interconnect	24.42	2.56
26 31 00 00-0154 EA 72" #10 AWG Male Or Female Photovoltaic Multi-Contact Module Interconnect	26.63	2.56
26 31 00 00-0155 EA 120" #10 AWG Male Or Female Photovoltaic Multi-Contact Module Interconnect	29.96	2.56
26 31 00 00-0156 EA 240" #10 AWG Male Or Female Photovoltaic Multi-Contact Module Interconnect	48.84	5.14
26 31 00 00-0157 EA 360" #10 AWG Male Or Female Photovoltaic Multi-Contact Module Interconnect	59.17	5.14
26 31 00 00-0158 EA 420" #10 AWG Male Or Female Photovoltaic Multi-Contact Module Interconnect	78.79	7.70
26 31 00 00-0159 EA 36" #10 AWG Male And Female Photovoltaic Multi-Contact Module Interconnect	27.19	2.56
26 31 00 00-0160 EA 120" #10 AWG Male And Female Photovoltaic Multi-Contact Module Interconnect	36.62	2.56
26 31 00 00-0161 EA 240" #10 AWG Male And Female Photovoltaic Multi-Contact Module Interconnect	55.50	5.14
26 31 00 00-0162 EA 360" #10 AWG Male And Female Photovoltaic Multi-Contact Module Interconnect	72.13	5.14
26 31 00 00-0163 EA 600" #10 AWG Male And Female Photovoltaic Multi-Contact Module Interconnect	119.30	10.27
26 31 00 00-0164 EA 1200" #10 AWG Male And Female Photovoltaic Multi-Contact Module Interconnect	123.99	10.27
26 31 00 00-0165 EA Lighting Kit, 9W Fluorescent, 12 V 4.5 Amp Hour Battery	2,212.31	280.15
Note: Tamper proof enclosure.		
26 31 00 00-0166 Photovoltaic Mounting Systems <small>(26 31)</small>		
26 31 00 00-0167 LF Anodized Aluminum Photovoltaic Module Mounting Rail (UNIRAC SolarMount Standard)	8.84	2.59
26 31 00 00-0168 EA Splice Bar For Photovoltaic Module Mounting Rail (UNIRAC 310229)	29.62	12.97
26 31 00 00-0169 EA Splice Plate For Photovoltaic Module Mounting Rail (UNIRAC 310216)	34.85	12.97
26 31 00 00-0170 EA 8" x 3/8" Hanger Bolt (UNIRAC 310046)	17.12	5.19
Note: Supports mounting rail above tile or metal roof.		
26 31 00 00-0171 EA Mounting Rail Grounding Clip (UNIRAC 980006)	9.24	3.89
Note: One grounding clip for every two top mounting clamps (end clamps + mid clamps) in your installation. Only one of the two rails in each row requires grounding clips.		
26 31 00 00-0172 EA Mounting Rail Grounding Lugs (UNIRAC 980012)	17.36	5.19
Note: Two grounding lugs for each rail splice and one additional lug for each rail.		
26 31 00 00-0173 EA Anodized Aluminum Photovoltaic Module Mounting End Clamp (UNIRAC 320002)	4.92	1.73
Note: Four for each row of modules you plan to mount.		
26 31 00 00-0174 EA Anodized Aluminum Photovoltaic Module Mounting Mid Clamp (UNIRAC 320008)	5.09	1.73
Note: For each row, take one less than the number of modules in the row and multiply that figure by 2.		
26 31 00 00-0175 EA Photovoltaic Module Mount L-Feet (UNIRAC 310065)	13.30	5.19
26 31 00 00-0176 EA 12" Leg Extension, Photovoltaic Module One Leg Tilt Kit (UNIRAC 310121)	75.38	25.94
Note: Includes one square tube, one strut insert, two L-feet, and stainless steel hardware for use with mounting rail. Excludes standoffs.		
26 31 00 00-0177 EA 30" Leg Extension, Photovoltaic Module One Leg Tilt Kit (UNIRAC 310122)	81.29	25.94
Note: Includes one square tube, one strut insert, two L-feet, and stainless steel hardware for use with mounting rail. Excludes standoffs.		
26 31 00 00-0178 EA 44" Leg Extension, Photovoltaic Module One Leg Tilt Kit (UNIRAC 310123)	86.06	25.94
Note: Includes one square tube, one strut insert, two L-feet, and stainless steel hardware for use with mounting rail. Excludes standoffs.		
26 31 00 00-0179 EA 12" Leg Extension, Photovoltaic Module Two Leg Tilt Kit (UNIRAC 310107)	111.34	38.91
Note: Includes two square tubes, two strut inserts, and fasteners for use with mounting rail. Excludes standoffs and L-feet.		
26 31 00 00-0180 EA 44" Leg Extension, Photovoltaic Module Two Leg Tilt Kit (UNIRAC 310108)	129.08	38.91
Note: Includes two square tubes, two strut inserts, and fasteners for use with mounting rail. Excludes standoffs and L-feet.		
26 31 00 00-0181 EA 72" Leg Extension, Photovoltaic Module Two Leg Tilt Kit (UNIRAC 310109)	145.18	38.91
Note: Includes two square tubes, two strut inserts, and fasteners for use with mounting rail. Excludes standoffs and L-feet.		
26 31 00 00-0182 EA 18" Leg Extension, Photovoltaic Module Four Leg Tilt Kit (UNIRAC 310111)	166.85	51.88
Note: Includes four square tubes, four strut inserts, and fasteners for use with mounting rail. Excludes standoffs and L-feet.		
26 31 00 00-0183 EA 64" Leg Extension, Photovoltaic Module Four Leg Tilt Kit (UNIRAC 310112)	209.24	51.88
Note: Includes four square tubes, four strut inserts, and fasteners for use with mounting rail. Excludes standoffs and L-feet.		
26 31 00 00-0184 EA 104" Leg Extension, Photovoltaic Module Four Leg Tilt Kit (UNIRAC 310110)	297.93	77.82
Note: Includes four square tubes, four strut inserts, and fasteners for use with mounting rail. Excludes standoffs and L-feet.		
26 31 00 00-0185 EA Ballasted Photovoltaic Module Frame (UNIRAC 310351)	146.17	
Note: Excludes ballast.		
26 31 00 00-0186 EA Ballasted Photovoltaic Module Frame With Module Mount (UNIRAC 310355)	266.40	
Note: Excludes ballast.		
26 31 00 00-0187 EA 3" High Galvanized Steel Photovoltaic Module Standoff (UNIRAC 310051)	63.56	25.94
26 31 00 00-0188 EA 4" High Galvanized Steel Photovoltaic Module Standoff (UNIRAC 310052)	64.10	25.94
26 31 00 00-0189 EA 6" High Galvanized Steel Photovoltaic Module Standoff (UNIRAC 310053)	64.60	25.94
26 31 00 00-0190 EA 7" High Galvanized Steel Photovoltaic Module Standoff (UNIRAC 310054)	65.85	25.94
26 31 00 00-0191 EA 3" High Aluminum Photovoltaic Module Standoff (UNIRAC 310553)	60.26	25.94
26 31 00 00-0192 EA 4" High Aluminum Photovoltaic Module Standoff (UNIRAC 310554)	60.89	25.94
26 31 00 00-0193 EA 6" High Aluminum Photovoltaic Module Standoff (UNIRAC 310555)	62.72	25.94
26 31 00 00-0194 EA 7" High Aluminum Photovoltaic Module Standoff (UNIRAC 310556)	62.20	25.94
26 31 00 00-0195 EA 3" Photovoltaic Module FastFoot Standoff Assembly (UNIRAC 310390)	113.64	38.91
26 31 00 00-0196 EA 4" Photovoltaic Module FastFoot Standoff Assembly (UNIRAC 310391)	114.02	38.91
26 31 00 00-0197 EA 7" Photovoltaic Module FastFoot Standoff Assembly (UNIRAC 310394)	115.13	38.91
26 31 00 00-0198 EA Photovoltaic Module Rapidfoot Standoff Assembly (UNIRAC 310370)	113.97	38.91
26 31 00 00-0199 EA Photovoltaic Module Standoff Flashing (UNIRAC 990103)	20.70	5.19
26 31 00 00-0200 EA Photovoltaic Module Standoff Ethylene Propylene Diene Monomer (EPDM) Patch (UNIRAC 990161)	14.99	5.19
26 31 00 00-0201 EA 1/4" Photovoltaic Module Standing Seam Metal Roof Mounting Block (UNIRAC 004030M-0100)	26.87	7.78
26 31 00 00-0202 EA 3/8" Photovoltaic Module Standing Seam Metal Roof Mounting Block (UNIRAC 004031M-0100)	27.73	7.78

26 Electrical**26 30 Facility Electrical Power Generating And Storing Equipment****26 31 Photovoltaic Collectors**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 31 00 00-0203	EA		Photovoltaic Module Standing Seam Metal Roof Mounting Clamp (UNIRAC 004032M-0100).....7.40 Note: Mid or end clamp.	7.40	1.73
26 31 00 00-0204	EA		Photovoltaic Module Tile Roof Mounting Hook (UNIRAC 905011C-0024).....31.68	31.68	5.19
26 31 00 00-0205	EA		Photovoltaic Module Wire Clip (UNIRAC 908002S-0100).....2.09	2.09	
26 32 Packaged Generator Assemblies (26 30)					
26 32 13 Engine Generators (26 32)					
See CSI section 23 13 23 13-0001 for fuel storage tanks.					
26 32 13 13 Diesel-Engine-Driven Generator Sets (26 32 13)					
26 32 13 13-0001 Diesel Generator Sets (26 32 13 13)					
Note: 3 Phase, 4-Wire 480/277 or 208/120 Volt complete with radiator, fuel pump, battery charger, silencer, exhaust flex, indicating and operating controls, electronic governor. Pricing based on installation above grade on concrete pad. Includes manufacturer's representative at startup. Excludes fuel tank, utility piping, wiring, automatic transfer switch, loadbank testing and concrete pad. See CSI section 01 22 23 00-0643 for loadbank rental, 23 13 23 13-0001 for fuel day tank, 26 36 23 00-0000 for automatic transfer switch.					
26 32 13 13-0002	EA		25 KW Diesel Generator Set, 3 Phase (Cummins DSKCA).....17,081.32 For Weather Resistant Steel Diesel Generator Enclosure, Add 3,112.28 For Quietsite Level 2 Steel Diesel Generator Enclosure, Add 9,765.06 For Weather Resistant Aluminum Diesel Generator Enclosure, Add 7,924.41 For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add 15,326.22	17,081.32	871.08
26 32 13 13-0003	EA		35 KW Diesel Generator Set, 3 Phase (Cummins DSFAA).....21,534.70 For Weather Resistant Steel Diesel Generator Enclosure, Add 3,112.28 For Quietsite Level 2 Steel Diesel Generator Enclosure, Add 9,765.06 For Weather Resistant Aluminum Diesel Generator Enclosure, Add 7,924.41 For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add 15,326.22	21,534.70	1,072.52
26 32 13 13-0004	EA		40 KW Diesel Generator Set, 3 Phase (Cummins DSFAB).....22,223.41 For Weather Resistant Steel Diesel Generator Enclosure, Add 3,112.28 For Quietsite Level 2 Steel Diesel Generator Enclosure, Add 9,765.06 For Weather Resistant Aluminum Diesel Generator Enclosure, Add 7,924.41 For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add 15,326.22	22,223.41	1,175.97
26 32 13 13-0005	EA		50 KW Diesel Generator Set, 3 Phase (Cummins DSFAE).....23,907.07 For Weather Resistant Steel Diesel Generator Enclosure, Add 3,112.28 For Quietsite Level 2 Steel Diesel Generator Enclosure, Add 9,765.06 For Weather Resistant Aluminum Diesel Generator Enclosure, Add 7,924.41 For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add 15,326.22	23,907.07	1,350.18
26 32 13 13-0006	EA		60 KW Diesel Generator Set, 3 Phase (Cummins DSFAD).....25,611.53 For Weather Resistant Steel Diesel Generator Enclosure, Add 3,112.28 For Quietsite Level 2 Steel Diesel Generator Enclosure, Add 9,765.06 For Weather Resistant Aluminum Diesel Generator Enclosure, Add 7,924.41 For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add 15,326.22	25,611.53	1,551.62
26 32 13 13-0007	EA		80 KW Diesel Generator Set, 3 Phase (Cummins DSFAE).....28,598.58 For Weather Resistant Steel Diesel Generator Enclosure, Add 3,112.28 For Quietsite Level 2 Steel Diesel Generator Enclosure, Add 9,765.06 For Weather Resistant Aluminum Diesel Generator Enclosure, Add 7,924.41 For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add 15,326.22	28,598.58	1,818.39
26 32 13 13-0008	EA		100 KW Diesel Generator Set, 3 Phase (Cummins DSGAA).....33,357.72 For Weather Resistant Steel Diesel Generator Enclosure, Add 4,720.67 For Quietsite Level 2 Steel Diesel Generator Enclosure, Add 14,929.93 For Weather Resistant Aluminum Diesel Generator Enclosure, Add 10,167.15 For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add 16,297.35	33,357.72	2,112.38
26 32 13 13-0009	EA		125 KW Diesel Generator Set, 3 Phase (Cummins DSGAB).....34,731.95 For Weather Resistant Steel Diesel Generator Enclosure, Add 4,720.67 For Quietsite Level 2 Steel Diesel Generator Enclosure, Add 14,929.93 For Weather Resistant Aluminum Diesel Generator Enclosure, Add 10,167.15 For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add 16,297.35	34,731.95	2,504.37
26 32 13 13-0010	EA		150 KW Diesel Generator Set, 3 Phase (Cummins DSGAC).....38,274.75 For Weather Resistant Steel Diesel Generator Enclosure, Add 4,720.67 For Quietsite Level 2 Steel Diesel Generator Enclosure, Add 14,929.93 For Weather Resistant Aluminum Diesel Generator Enclosure, Add 10,167.15 For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add 16,297.35	38,274.75	2,760.25
26 32 13 13-0011	EA		175 KW Diesel Generator Set, 3 Phase (Cummins DSHAB).....44,273.43 For Weather Resistant Steel Diesel Generator Enclosure, Add 4,720.67 For Quietsite Level 2 Steel Diesel Generator Enclosure, Add 14,929.93 For Weather Resistant Aluminum Diesel Generator Enclosure, Add 10,167.15 For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add 16,297.35	44,273.43	3,081.46
26 32 13 13-0012	EA		200 KW Diesel Generator Set, 3 Phase (Cummins DSHAC).....47,366.46 For Weather Resistant Steel Diesel Generator Enclosure, Add 4,720.67 For Quietsite Level 2 Steel Diesel Generator Enclosure, Add 14,929.93 For Weather Resistant Aluminum Diesel Generator Enclosure, Add 10,167.15 For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add 16,297.35	47,366.46	3,375.45
26 32 13 13-0013	EA		230 KW Diesel Generator Set, 3 Phase (Cummins DSHAD).....52,987.53 For Weather Resistant Steel Diesel Generator Enclosure, Add 4,720.67 For Quietsite Level 2 Steel Diesel Generator Enclosure, Add 14,929.93 For Weather Resistant Aluminum Diesel Generator Enclosure, Add 10,167.15 For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add 16,297.35	52,987.53	3,566.00
26 32 13 13-0014	EA		250 KW Diesel Generator Set, 3 Phase (Cummins DQDAA).....55,356.27 For Weather Resistant Steel Diesel Generator Enclosure, Add 30,614.70 For Quietsite Level 2 Steel Diesel Generator Enclosure, Add 45,199.15 For Weather Resistant Aluminum Diesel Generator Enclosure, Add 37,131.03 For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add 55,250.17	55,356.27	3,713.00



Electrical	26
Facility Electrical Power Generating And Storing Equipment	26 30
Packaged Generator Assemblies	26 32

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 32 13 13-0015	EA		275 KW Diesel Generator Set, 3 Phase (Cummins DQHAA) <i>For Weather Resistant Steel Diesel Generator Enclosure, Add</i> <i>For Quietsite Level 2 Steel Diesel Generator Enclosure, Add</i> <i>For Weather Resistant Aluminum Diesel Generator Enclosure, Add</i> <i>For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add</i>	60,270.99 30,614.70 45,199.15 37,131.03 55,250.17	3,914.43
26 32 13 13-0016	EA		300 KW Diesel Generator Set, 3 Phase (Cummins DQHAB) <i>For Weather Resistant Steel Diesel Generator Enclosure, Add</i> <i>For Quietsite Level 2 Steel Diesel Generator Enclosure, Add</i> <i>For Weather Resistant Aluminum Diesel Generator Enclosure, Add</i> <i>For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add</i>	61,536.33 30,614.70 45,199.15 37,131.03 55,250.17	4,088.65
26 32 13 13-0017	EA		350 KW Diesel Generator Set, 3 Phase (Cummins DFEG) <i>For Weather Resistant Steel Diesel Generator Enclosure, Add</i> <i>For Quietsite Level 2 Steel Diesel Generator Enclosure, Add</i> <i>For Weather Resistant Aluminum Diesel Generator Enclosure, Add</i> <i>For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add</i>	69,892.56 30,614.70 45,199.15 37,131.03 55,250.17	4,573.19
26 32 13 13-0018	EA		400 KW Diesel Generator Set, 3 Phase (Cummins DFEH) <i>For Weather Resistant Steel Diesel Generator Enclosure, Add</i> <i>For Quietsite Level 2 Steel Diesel Generator Enclosure, Add</i> <i>For Weather Resistant Aluminum Diesel Generator Enclosure, Add</i> <i>For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add</i>	75,610.56 30,614.70 45,199.15 37,131.03 55,250.17	5,008.73
26 32 13 13-0019	EA		450 KW Diesel Generator Set, 3 Phase (Cummins DFEJ) <i>For Weather Resistant Steel Diesel Generator Enclosure, Add</i> <i>For Quietsite Level 2 Steel Diesel Generator Enclosure, Add</i> <i>For Weather Resistant Aluminum Diesel Generator Enclosure, Add</i> <i>For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add</i>	85,685.86 30,614.70 45,199.15 37,131.03 55,250.17	5,395.28
26 32 13 13-0020	EA		500 KW Diesel Generator Set, 3 Phase (Cummins DFEK) <i>For Weather Resistant Steel Diesel Generator Enclosure, Add</i> <i>For Quietsite Level 2 Steel Diesel Generator Enclosure, Add</i> <i>For Weather Resistant Aluminum Diesel Generator Enclosure, Add</i> <i>For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add</i>	90,469.78 30,614.70 45,199.15 37,131.03 55,250.17	5,749.15
26 32 13 13-0021	EA		600 KW Diesel Generator Set, 3 Phase (Cummins DQCA) <i>For Weather Resistant Steel Diesel Generator Enclosure, Add</i> <i>For Quietsite Level 2 Steel Diesel Generator Enclosure, Add</i> <i>For Weather Resistant Aluminum Diesel Generator Enclosure, Add</i> <i>For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add</i>	131,050.55 62,540.21 100,417.38 73,559.48 116,984.73	6,331.69
26 32 13 13-0022	EA		750 KW Diesel Generator Set, 3 Phase (Cummins DQCB) <i>For Weather Resistant Steel Diesel Generator Enclosure, Add</i> <i>For Quietsite Level 2 Steel Diesel Generator Enclosure, Add</i> <i>For Weather Resistant Aluminum Diesel Generator Enclosure, Add</i> <i>For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add</i>	149,894.66 62,540.21 100,417.38 73,559.48 116,984.73	6,963.23
26 32 13 13-0023	EA		800 KW Diesel Generator Set, 3 Phase (Cummins DQCC) <i>For Weather Resistant Steel Diesel Generator Enclosure, Add</i> <i>For Quietsite Level 2 Steel Diesel Generator Enclosure, Add</i> <i>For Weather Resistant Aluminum Diesel Generator Enclosure, Add</i> <i>For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add</i>	156,440.13 62,540.21 100,417.38 73,559.48 116,984.73	7,115.67
26 32 13 13-0024	EA		900 KW Diesel Generator Set, 3 Phase (Cummins DQFAC) <i>For Weather Resistant Steel Diesel Generator Enclosure, Add</i> <i>For Quietsite Level 2 Steel Diesel Generator Enclosure, Add</i> <i>For Weather Resistant Aluminum Diesel Generator Enclosure, Add</i> <i>For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add</i>	190,290.15 62,540.21 100,417.38 73,559.48 116,984.73	7,670.99
26 32 13 13-0025	EA		1,000 KW Diesel Generator Set, 3 Phase (Cummins DQFAD) <i>For Weather Resistant Steel Diesel Generator Enclosure, Add</i> <i>For Quietsite Level 2 Steel Diesel Generator Enclosure, Add</i> <i>For Weather Resistant Aluminum Diesel Generator Enclosure, Add</i> <i>For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add</i>	212,043.18 62,540.21 100,417.38 73,559.48 116,984.73	8,166.41

26 32 13 19 Natural Gas-Engine-Driven Generator Sets (26 32 13)

26 32 13 19-0001	<p>Natural Gas Or Propane Generator Sets <small>(26 32 13 19)</small></p> <p>Note: 3 Phase, 4-Wire 480/277 or 208/120 Volt complete with radiator, fuel pump, battery charger, silencer, exhaust flex, indicating and operating controls, electronic governor. Pricing based on installation above grade on concrete pad. Includes manufacturer's representative at startup. Excludes fuel tank, utility piping, wiring, automatic transfer switch, loadbank testing and concrete pad. See CSI section 01 22 23 00-0643 for loadbank rental, 26 36 23 00-0000 for automatic transfer switches.</p>				
26 32 13 19-0002	EA		20 KW Natural Gas Or Propane Generator Set, 3 Phase (Cummins GGMA) <i>For Weather Resistant Steel Natural Gas Or Propane Generator Enclosure, Add</i> <i>For Quietsite Level 2 Steel Natural Gas Or Propane Generator Enclosure, Add</i> <i>For Weather Resistant Aluminum Natural Gas Or Propane Generator Enclosure, Add</i> <i>For Quietsite Level 2 Aluminum Natural Gas Or Propane Generator Enclosure, Add</i>	13,638.85 2,830.67 9,765.06 3,065.82 5,086.49	729.53
26 32 13 19-0003	EA		25 KW Natural Gas Or Propane Generator Set, 3 Phase (Cummins GGMB) <i>For Weather Resistant Steel Natural Gas Or Propane Generator Enclosure, Add</i> <i>For Quietsite Level 2 Steel Natural Gas Or Propane Generator Enclosure, Add</i> <i>For Weather Resistant Aluminum Natural Gas Or Propane Generator Enclosure, Add</i> <i>For Quietsite Level 2 Aluminum Natural Gas Or Propane Generator Enclosure, Add</i>	15,414.86 2,830.67 9,765.06 3,065.82 5,086.49	871.08
26 32 13 19-0004	EA		29 KW Natural Gas Or Propane Generator Set, 3 Phase (Cummins GGMC) <i>For Weather Resistant Steel Natural Gas Or Propane Generator Enclosure, Add</i> <i>For Quietsite Level 2 Steel Natural Gas Or Propane Generator Enclosure, Add</i> <i>For Weather Resistant Aluminum Natural Gas Or Propane Generator Enclosure, Add</i> <i>For Quietsite Level 2 Aluminum Natural Gas Or Propane Generator Enclosure, Add</i>	16,500.15 2,830.67 9,765.06 3,065.82 5,086.49	969.08
26 32 13 19-0005	EA		35 KW Natural Gas Or Propane Generator Set, 3 Phase (Cummins GGPA) <i>For Weather Resistant Steel Natural Gas Or Propane Generator Enclosure, Add</i> <i>For Quietsite Level 2 Steel Natural Gas Or Propane Generator Enclosure, Add</i> <i>For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add</i> <i>For Quietsite Level 2 Aluminum Natural Gas Or Propane Generator Enclosure, Add</i>	17,965.69 2,830.67 9,765.06 8,671.98 14,555.41	1,072.52

26 Electrical**26 30 Facility Electrical Power Generating And Storing Equipment****26 32 Packaged Generator Assemblies**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 32 13 19-0006 EA 40 KW Natural Gas Or Propane Generator Set, 3 Phase (Cummins GGPB) For Weather Resistant Steel Natural Gas Or Propane Generator Enclosure, Add For Quietsite Level 2 Steel Natural Gas Or Propane Generator Enclosure, Add For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add For Quietsite Level 2 Aluminum Natural Gas Or Propane Generator Enclosure, Add	18,521.94 2,830.67 9,765.06 8,671.98 14,555.41	1,175.97
26 32 13 19-0007 EA 45 KW Natural Gas Or Propane Generator Set, 3 Phase (Cummins GGPC) For Weather Resistant Steel Natural Gas Or Propane Generator Enclosure, Add For Quietsite Level 2 Steel Natural Gas Or Propane Generator Enclosure, Add For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add For Quietsite Level 2 Aluminum Natural Gas Or Propane Generator Enclosure, Add	19,119.44 2,830.67 9,765.06 8,671.98 14,555.41	1,268.51
26 32 13 19-0008 EA 60 KW Natural Gas Or Propane Generator Set, 3 Phase (Cummins GGHE) For Weather Resistant Steel Natural Gas Or Propane Generator Enclosure, Add For Quietsite Level 2 Steel Natural Gas Or Propane Generator Enclosure, Add For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add For Quietsite Level 2 Aluminum Natural Gas Or Propane Generator Enclosure, Add	20,827.27 2,830.67 9,765.06 8,671.98 14,555.41	1,551.62
26 32 13 19-0009 EA 70 KW Natural Gas Or Propane Generator Set, 3 Phase (Cummins GGHF) For Weather Resistant Steel Natural Gas Or Propane Generator Enclosure, Add For Quietsite Level 2 Steel Natural Gas Or Propane Generator Enclosure, Add For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add For Quietsite Level 2 Aluminum Natural Gas Or Propane Generator Enclosure, Add	22,176.48 2,830.67 9,765.06 8,671.98 14,555.41	1,736.73
26 32 13 19-0010 EA 85 KW Natural Gas Or Propane Generator Set, 3 Phase (Cummins GGHG) For Weather Resistant Steel Natural Gas Or Propane Generator Enclosure, Add For Quietsite Level 2 Steel Natural Gas Or Propane Generator Enclosure, Add For Weather Resistant Aluminum Natural Gas Or Propane Generator Enclosure, Add For Quietsite Level 2 Aluminum Natural Gas Or Propane Generator Enclosure, Add	26,482.74 5,159.06 14,929.93 10,167.15 14,555.41	1,856.50
26 32 13 19-0011 EA 100 KW Natural Gas Or Propane Generator Set, 3 Phase (Cummins GGHH) For Weather Resistant Steel Natural Gas Or Propane Generator Enclosure, Add For Quietsite Level 2 Steel Natural Gas Or Propane Generator Enclosure, Add For Weather Resistant Aluminum Natural Gas Or Propane Generator Enclosure, Add For Quietsite Level 2 Aluminum Natural Gas Or Propane Generator Enclosure, Add	28,755.97 5,159.06 14,929.93 10,167.15 14,555.41	2,090.60
26 32 13 19-0012 EA 125 KW Natural Gas Or Propane Generator Set, 3 Phase (Cummins GGLA) For Weather Resistant Steel Natural Gas Or Propane Generator Enclosure, Add For Quietsite Level 2 Steel Natural Gas Or Propane Generator Enclosure, Add For Weather Resistant Aluminum Natural Gas Or Propane Generator Enclosure, Add For Quietsite Level 2 Aluminum Natural Gas Or Propane Generator Enclosure, Add	36,016.84 5,159.06 14,929.93 10,167.15 14,555.41	2,504.37
26 32 13 19-0013 EA 150 KW Natural Gas Or Propane Generator Set, 3 Phase (Cummins GGLB) For Weather Resistant Steel Natural Gas Or Propane Generator Enclosure, Add For Quietsite Level 2 Steel Natural Gas Or Propane Generator Enclosure, Add For Weather Resistant Aluminum Natural Gas Or Propane Generator Enclosure, Add For Quietsite Level 2 Aluminum Natural Gas Or Propane Generator Enclosure, Add	40,984.66 5,159.06 14,929.93 10,167.15 14,555.41	2,760.25
26 32 13 19-0014 EA 175 KW Natural Gas Generator Set, 3 Phase (Cummins GFBA) For Weather Resistant Steel Natural Gas Generator Enclosure, Add For Quietsite Level 2 Steel Natural Gas Generator Enclosure, Add For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add For Quietsite Level 2 Aluminum Natural Gas Generator Enclosure, Add	97,942.66 27,531.46 40,635.25 30,102.27 45,171.56	7,342.04
26 32 13 19-0015 EA 205 KW Natural Gas Generator Set, 3 Phase (Cummins GFBB) For Weather Resistant Steel Natural Gas Generator Enclosure, Add For Quietsite Level 2 Steel Natural Gas Generator Enclosure, Add For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add For Quietsite Level 2 Aluminum Natural Gas Generator Enclosure, Add	104,351.77 27,531.46 40,635.25 30,102.27 45,171.56	3,315.56
26 32 13 19-0016 EA 250 KW Natural Gas Generator Set, 3 Phase (Cummins GFBC) For Weather Resistant Steel Natural Gas Generator Enclosure, Add For Quietsite Level 2 Steel Natural Gas Generator Enclosure, Add For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add For Quietsite Level 2 Aluminum Natural Gas Generator Enclosure, Add	105,760.38 27,531.46 40,635.25 30,102.27 45,171.56	3,713.00
26 32 13 19-0017 EA 300 KW Natural Gas Generator Set, 3 Phase (Cummins GFBA) For Weather Resistant Steel Natural Gas Generator Enclosure, Add For Quietsite Level 2 Steel Natural Gas Generator Enclosure, Add For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add For Quietsite Level 2 Aluminum Natural Gas Generator Enclosure, Add	145,114.67 27,531.46 40,635.25 30,102.27 45,171.56	4,088.65
26 32 13 19-0018 EA 350 KW Natural Gas Generator Set, 3 Phase (Cummins GFEB) For Weather Resistant Steel Natural Gas Generator Enclosure, Add For Quietsite Level 2 Steel Natural Gas Generator Enclosure, Add For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add For Quietsite Level 2 Aluminum Natural Gas Generator Enclosure, Add	146,696.90 27,531.46 40,635.25 30,102.27 45,171.56	4,573.19
26 32 13 19-0019 EA 450 KW Natural Gas Generator Set, 3 Phase (Cummins GFCA) For Weather Resistant Steel Natural Gas Generator Enclosure, Add For Quietsite Level 2 Steel Natural Gas Generator Enclosure, Add For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add For Quietsite Level 2 Aluminum Natural Gas Generator Enclosure, Add	205,915.30 60,116.00 85,163.74 68,281.37 96,505.26	5,395.28
26 32 13 19-0020 EA 500 KW Natural Gas Generator Set, 3 Phase (Cummins GFJB) For Weather Resistant Steel Natural Gas Generator Enclosure, Add For Quietsite Level 2 Steel Natural Gas Generator Enclosure, Add For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add For Quietsite Level 2 Aluminum Natural Gas Generator Enclosure, Add	279,842.06 60,116.00 85,163.74 68,281.37 96,505.26	5,749.15
26 32 13 19-0021 EA 550 KW Natural Gas Generator Set, 3 Phase (Cummins GFJC) For Weather Resistant Steel Natural Gas Generator Enclosure, Add For Quietsite Level 2 Steel Natural Gas Generator Enclosure, Add For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add For Quietsite Level 2 Aluminum Natural Gas Generator Enclosure, Add	294,461.00 60,116.00 85,163.74 68,281.37 96,505.26	6,059.47
26 32 13 19-0022 EA 600 KW Natural Gas Generator Set, 3 Phase (Cummins GFLA) For Weather Resistant Steel Natural Gas Generator Enclosure, Add For Quietsite Level 2 Steel Natural Gas Generator Enclosure, Add For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add For Quietsite Level 2 Aluminum Natural Gas Generator Enclosure, Add	335,300.41 60,116.00 85,163.74 68,281.37 96,505.26	6,331.69



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 32 13 19-0023 EA 650 KW Natural Gas Generator Set, 3 Phase (Cummins GFLB)..... <i>For Weather Resistant Steel Natural Gas Generator Enclosure, Add</i> <i>For Quietsite Level 2 Steel Natural Gas Generator Enclosure, Add</i> <i>For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add</i> <i>For Quietsite Level 2 Aluminum Natural Gas Generator Enclosure, Add</i>	350,578.19 60,116.00 85,163.74 68,281.37 96,505.26	6,571.24
26 32 13 19-0024 EA 725 KW Natural Gas Generator Set, 3 Phase (Cummins GFLC) <i>For Weather Resistant Steel Natural Gas Generator Enclosure, Add</i> <i>For Quietsite Level 2 Steel Natural Gas Generator Enclosure, Add</i> <i>For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add</i> <i>For Quietsite Level 2 Aluminum Natural Gas Generator Enclosure, Add</i>	370,814.36 60,116.00 85,163.74 68,281.37 96,505.26	7,023.11
26 32 13 19-0025 Small Natural Gas Or Propane Air Cooled Generator Sets (26 32 13 19)		
26 32 13 19-0026 EA 7.5 KW Natural Gas Or Propane Air Cooled Generator Set Note: Includes weatherproof composite enclosure and 100 A automatic transfer switch.	3,425.30	477.85
26 32 13 19-0027 EA 10 KW Natural Gas Or Propane Air Cooled Generator Set Note: Includes weatherproof composite enclosure and 200 A automatic transfer switch.	4,284.49	530.95
26 32 13 19-0028 EA 14 KW Natural Gas Or Propane Air Cooled Generator Set Note: Includes weatherproof composite enclosure and 200 A automatic transfer switch.	4,955.25	597.78
26 32 13 26 AC To DC Electrical Conversion (26 32 13)		
26 32 13 26-0001 60 Hz AC Input 230 Or 460 Volts, 125 Volt DC Output (26 32 13 26)		
26 32 13 26-0002 EA 3 KW, 24 Amp, 125 Volt DC, Rectifier 230 Or 460 AC To DC Conversion.....	5,085.34	207.52
26 32 13 26-0003 EA 5 KW, 40 Amp, 125 Volt DC, Rectifier 230 Or 460 AC To DC Conversion.....	6,159.63	207.52
26 32 13 26-0004 EA 7.5 KW, 60 Amp, 125 Volt DC, Rectifier 230 Or 460 AC To DC Conversion.....	8,108.19	207.52
26 32 13 26-0005 EA 10 KW, 80 Amp, 125 Volt DC, Rectifier 230 Or 460 AC To DC Conversion.....	8,170.72	207.52
26 32 13 26-0006 EA 15 KW, 120 Amp, 125 Volt DC, Rectifier 230 Or 460 AC To DC Conversion.....	9,092.21	259.39
26 32 13 26-0007 EA 20 KW, 160 Amp, 125 Volt DC, Rectifier 230 Or 460 AC To DC Conversion.....	9,830.35	259.39
26 32 13 26-0008 EA 25 KW, 200 Amp, 125 Volt DC, Rectifier 230 Or 460 AC To DC Conversion.....	10,284.26	259.39
26 32 13 26-0009 EA 40 KW, 320 Amp, 125 Volt DC, Rectifier 230 Or 460 AC To DC Conversion.....	12,546.45	342.40
26 32 13 26-0010 EA 50 KW, 400 Amp, 125 Volt DC, Rectifier 230 Or 460 AC To DC Conversion.....	13,914.89	342.40
26 32 13 26-0011 60 Hz AC Input, 230 Or 460 Volts, 250 Volts DC Output (26 32 13 26)		
26 32 13 26-0012 EA 3 KW, 12 Amp, 250 Volt DC, Rectifier 230 Or 460 AC To DC Conversion.....	5,863.07	207.52
26 32 13 26-0013 EA 5 KW, 20 Amp, 250 Volt DC, Rectifier 230 Or 460 AC To DC Conversion.....	6,960.92	207.52
26 32 13 26-0014 EA 7.5 KW, 30 Amp, 250 Volt DC, Rectifier 230 Or 460 AC To DC Conversion.....	7,938.98	207.52
26 32 13 26-0015 EA 10 KW, 40 Amp, 250 Volt DC, Rectifier 230 Or 460 AC To DC Conversion.....	8,154.86	207.52
26 32 13 26-0016 EA 15 KW, 60 Amp, 250 Volt DC, Rectifier 230 Or 460 AC To DC Conversion.....	9,255.53	259.39
26 32 13 26-0017 EA 20 KW, 80 Amp, 250 Volt DC, Rectifier 230 Or 460 AC To DC Conversion.....	10,159.11	259.39
26 32 13 26-0018 EA 25 KW, 100 Amp, 250 Volt DC, Rectifier 230 Or 460 AC To DC Conversion.....	10,487.88	259.39
26 32 13 26-0019 EA 40 KW, 160 Amp, 250 Volt DC, Rectifier 230 Or 460 AC To DC Conversion.....	12,497.67	342.40
26 32 13 26-0020 EA 50 KW, 200 Amp, 250 Volt DC, Rectifier 230 Or 460 AC To DC Conversion.....	13,242.17	342.40
26 32 29 Rotary Converters (26 32)		
26 32 29 00-0001 460 Volt 3 Phase AC Motor Drive 250 Volt DC (26 32 29)		
26 32 29 00-0002 EA 33 KW, 460 Volt AC Drive Motor To 250 Volt DC, AC To DC Electrical Conversion.....	16,979.67	3,810.99
26 32 29 00-0003 EA 40 KW, 460 Volt AC Drive Motor To 250 Volt DC, AC To DC Electrical Conversion.....	19,057.62	3,810.99
26 32 29 00-0004 EA 50 KW, 460 Volt AC Drive Motor To 250 Volt DC, AC To DC Electrical Conversion.....	21,792.06	5,444.28
26 32 29 00-0005 EA 65 KW, 460 Volt AC Drive Motor To 250 Volt DC, AC To DC Electrical Conversion.....	25,154.23	5,444.28
26 32 29 00-0006 EA 85 KW, 460 Volt AC Drive Motor To 250 Volt DC, AC To DC Electrical Conversion.....	28,325.49	5,444.28
26 32 29 00-0007 EA 100 KW, 460 Volt AC Drive Motor To 250 Volt DC, AC To DC Electrical Conversion.....	33,605.83	8,166.41
26 32 29 00-0008 EA 125 KW, 460 Volt AC Drive Motor To 250 Volt DC, AC To DC Electrical Conversion.....	41,140.77	8,166.41
26 32 29 00-0009 4,160 Volt 3 Phase AC Motor Drive 250 Or 500 Volt DC (26 32 29)		
26 32 29 00-0010 EA 170 KW, 4,160 Volt AC Drive Motor - 250 Volt DC, AC To DC Electrical Conversion.....	57,763.48	10,888.55
26 32 29 00-0011 EA 200 KW, 4,160 Volt AC Drive Motor - 250 Volt DC, AC To DC Electrical Conversion.....	63,039.50	10,888.55
26 32 29 00-0012 EA 240 KW, 4,160 Volt AC Drive Motor - 250 Volt DC, AC To DC Electrical Conversion.....	75,707.77	14,155.12
26 32 29 00-0013 EA 320 KW, 4,160 Volt AC Drive Motor - 250 Volt DC, AC To DC Electrical Conversion.....	86,237.63	17,203.91
26 32 29 00-0014 EA 400 KW, 4,160 Volt AC Drive Motor - 250 Volt DC, AC To DC Electrical Conversion.....	101,679.29	17,203.91
26 32 29 00-0015 EA 560 KW, 4,160 Volt AC Drive Motor - 250 Volt DC, AC To DC Electrical Conversion.....	143,605.00	25,696.98
26 32 29 00-0016 EA 640 KW, 4,160 Volt AC Drive Motor - 250 Volt DC, AC To DC Electrical Conversion.....	149,486.92	25,696.98
26 32 29 00-0017 EA 800 KW, 4,160 Volt AC Drive Motor - 250 Volt DC, AC To DC Electrical Conversion.....	171,496.88	29,943.51
26 33 Battery Equipment (26 30)		
26 33 13 Batteries (26 33)		
26 33 13 00-0001 Standby Batteries (26 33 13)		
26 33 13 00-0002 EA 12 Volt, 100 Amp Hours To 10.5 Volts Capacity, 6-Cell, Valve Regulated Lead-Calcium, Standby Battery.....	623.20	25.97
26 33 13 00-0003 EA 12 Volt, 100 Amp Hours To 10.5 Volts Capacity, 6-Cell, Valve Regulated Lead-Calcium, Standby Battery With Steel Jacket.....	671.61	25.97
26 33 13 00-0004 EA 725CCA, Group 31, 12 Volt Lead Calcium Standby Battery.....	210.66	25.97
26 33 13 00-0005 EA 810CCA, Group 24, 12 Volt Lead Calcium Standby Battery.....	193.21	25.97
26 33 13 00-0006 EA 1080CCA, Group 4D, 12 Volt Lead Calcium Standby Battery.....	317.67	25.97
26 33 13 00-0007 EA 1400CCA, Group 8D, 12 Volt Lead Calcium Standby Battery.....	365.91	25.97

26 Electrical**26 30 Facility Electrical Power Generating And Storing Equipment****26 33 Battery Equipment**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST**26 33 43 Battery Chargers** (26 33)**26 33 43 00-0001 Solid State Chargers, Single Phase** (26 33 43)

Note: Includes wall bracket, 10' of DC charging cable and standard connector, 208/240/480 V.

26 33 43 00-0002	EA	Solid State Battery Charger, 6 Cell Single Phase With Wall Bracket, 208/240/480 Volt.....	2,147.90	592.86
26 33 43 00-0003	EA	Solid State Battery Charger, 9 Cell Single Phase With Wall Bracket, 208/240/480 Volt.....	2,470.39	592.86
26 33 43 00-0004	EA	Solid State Battery Charger, 12 Cell Single Phase With Wall Bracket, 208/240/480 Volt.....	2,713.15	592.86
26 33 43 00-0005	EA	Solid State Battery Charger, 18 Cell Single Phase With Wall Bracket, 208/240/480 Volt.....	2,889.16	701.94

26 33 53 Static Uninterruptible Power Supply (26 33)**26 33 53 00-0001 Single Phase, Uninterruptible Power Supply Systems (UPS)** (26 33 53)**26 33 53 00-0002 Single Phase, Uninterruptible Power Supply Systems (UPS)** (26 33 53 00-0001)**26 33 53 00-0003 120 Volt AC Output, 120 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS)** (26 33 53 00-0002)

Note: Rack mount or tower configuration. Includes 40 or 70 Hertz automatic frequency detection, internal automatic and manual bypass switch and self diagnostics.

26 33 53 00-0004	EA	0.5 kVA, 450 Watt, 120 Volt AC Output, 120 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-500RT120).....	833.57	102.72
Note: Includes 12 minutes of battery backup at full load.				
26 33 53 00-0005	EA	0.7 kVA, 630 Watt, 120 Volt AC Output, 120 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-700RT120).....	993.69	119.84
Note: Includes 6 minutes of battery backup at full load.				
26 33 53 00-0006	EA	1 kVA, 900 Watt, 120 Volt AC Output, 120 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-1000RT120).....	1,217.24	136.96
Note: Includes 5 minutes of battery backup at full load.				
26 33 53 00-0007	EA	1.5 kVA, 1,350 Watt, 120 Volt AC Output, 120 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-1500RT120).....	1,477.67	154.09
Note: Includes 5 minutes of battery backup at full load.				
26 33 53 00-0008	EA	2 kVA, 1,800 Watt, 120 Volt AC Output, 120 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-2000RT120).....	1,877.50	171.21
Note: Includes 4 minutes of battery backup at full load.				
26 33 53 00-0009	EA	3 kVA, 2,700 Watt, 120 Volt AC Output, 120 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-3000RT120).....	3,078.14	239.69
Note: Includes 4 minutes of battery backup at full load.				

26 33 53 00-0010 208 Volt AC Output, 208 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (26 33 53 00-0002)

Note: Rack mount or tower configuration. Includes 40 or 70 Hertz automatic frequency detection, internal automatic and manual bypass switch and self diagnostics.

26 33 53 00-0011	EA	3 kVA, 2,700 Watt, 208 Volt AC Output, 208 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-3000RT208).....	3,026.04	239.69
Note: Includes 4 minutes of battery backup at full load.				

26 33 53 00-0012 120/208 Volt AC Output, 120/208 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (26 33 53 00-0002)

Note: Rack mount or tower configuration. Includes 50 or 60 Hertz automatic frequency detection, internal automatic and manual bypass switch and self diagnostics.

26 33 53 00-0013	EA	5 kVA, 4,000 Watt, 120/208 Volt AC Output, 120/208 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-5000RT208).....	4,477.67	273.92
Note: Includes 5 minutes of battery backup at full load.				
26 33 53 00-0014	EA	6 kVA, 4,800 Watt, 120/208 Volt AC Output, 120/208 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-6000RT208).....	4,902.73	308.16
Note: Includes 4 minutes of battery backup at full load.				
26 33 53 00-0015	EA	8 kVA, 7,200 Watt, 120/208 Volt AC Output, 120/208 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-8000RT208).....	7,271.82	376.64
Note: Includes 7 minutes of battery backup at full load.				
26 33 53 00-0016	EA	10 kVA, 9,000 Watt, 120/208 Volt AC Output, 120/208 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-10000RT208).....	8,343.51	410.88
Note: Includes 4-1/2 minutes of battery backup at full load.				

26 33 53 00-0017 230 Volt AC Output, 230 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (26 33 53 00-0002)

Note: Rack mount or tower configuration. Includes 40 or 70 Hertz automatic frequency detection, internal automatic and manual bypass switch and self diagnostics.

26 33 53 00-0018	EA	0.7 kVA, 630 Watt, 230 Volt AC Output, 230 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-700RT230).....	993.69	119.84
Note: Includes 11 minutes of battery backup at full load.				
26 33 53 00-0019	EA	1 kVA, 900 Watt, 230 Volt AC Output, 230 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-1000RT230).....	1,217.24	136.96
Note: Includes 6 minutes of battery backup at full load.				
26 33 53 00-0020	EA	1.5 kVA, 1,350 Watt, 230 Volt AC Output, 230 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-1500RT230).....	1,493.06	154.09
Note: Includes 4 minutes of battery backup at full load.				



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 33 53 00-0021 EA 2 KVA, 1,800 Watt, 230 Volt AC Output, 230 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-2000RT230) Note: Includes 4 minutes of battery backup at full load.	1,881.21	171.21
26 33 53 00-0022 EA 3 KVA, 2,700 Watt, 230 Volt AC Output, 230 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-3000RT230) Note: Includes 4 minutes of battery backup at full load.	3,089.71	239.69
26 33 53 00-0023 EA 5 KVA, 4,000 Watt, 230 Volt AC Output, 230 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-5000RT230) Note: Includes 9 minutes of battery backup at full load.	4,303.68	273.92
26 33 53 00-0024 EA 6 KVA, 4,800 Watt, 230 Volt AC Output, 230 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-6000RT230) Note: Includes 6 minutes of battery backup at full load.	5,264.47	308.16
26 33 53 00-0025 EA 10 KVA, 9,000 Watt, 230 Volt AC Output, 230 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-10000RT230) Note: Includes 3 minutes of battery backup at full load.	8,094.79	410.88
26 33 53 00-0026 Optional Accessories For Single Phase, Uninterruptible Power Supply Systems <small>(26 33 53 00-0001)</small>		
26 33 53 00-0027 EA External Battery Cabinet For 0.5 To 2 KVA Single Phase, Uninterruptible Power Supply Systems (Liebert® GXT3-48VBATT) Note: Rack mount or tower configuration.	519.42	31.13
26 33 53 00-0028 EA External Battery Cabinet For 3 KVA Single Phase, Uninterruptible Power Supply Systems (Liebert® GXT3-72VBATT) Note: Rack mount or tower configuration.	675.93	31.13
26 33 53 00-0029 EA External Battery Cabinet For 5 To 6 KVA Single Phase, Uninterruptible Power Supply Systems (Liebert® GXT3-144VBATT) Note: Rack mount or tower configuration.	658.51	31.13
26 33 53 00-0030 EA External Battery Cabinet For 8 To 10 KVA Single Phase, Uninterruptible Power Supply Systems (Liebert® GXT3-288RTVBATT) Note: Rack mount or tower configuration.	452.00	31.13
26 33 53 00-0031 EA Replacement Internal Battery For 5 To 6 KVA Single Phase, Uninterruptible Power Supply Systems (Liebert® GXT3-144VBATKIT)	719.10	102.72
26 33 53 00-0032 EA Replacement Internal Battery For 8 To 10 KVA Single Phase, Uninterruptible Power Supply Systems (Liebert® GXT3-288RTBKIT)	822.85	136.96
26 33 53 00-0033 Three Phase, Uninterruptible Power Supply Systems (UPS) <small>(26 33 53)</small>		
26 33 53 00-0034 Three Phase, Uninterruptible Power Supply Systems (UPS) <small>(26 33 53 00-0033)</small>		
26 33 53 00-0035 480 Volt AC Output, 480 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply (UPS) <small>(26 33 53 00-0034)</small> Note: Includes start-up, 60 Hz frequency, bypass switch and diagnostics.		
26 33 53 00-0036 EA 30 kVA, 24 KW, 480 Volt AC Output, 480 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® Npower™ 37SA030A0A6E) For 208/208 Volt AC, Add 795.73 For MBC 2-Breaker, Add 4,056.74 For 34 Minute Battery, Add 10,516.80	21,294.90	890.25
26 33 53 00-0037 EA 40 kVA, 32 KW, 480 Volt AC Output, 480 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® Npower™ 37SA040A0A6E) For 208/208 Volt AC, Add 888.26 For MBC 2-Breaker, Add 4,551.96 For 23 Minute Battery, Add 11,336.88 For 37 Minute Battery, Add 12,949.12	25,402.35	1,095.70
26 33 53 00-0038 EA 50 kVA, 40 KW, 480 Volt AC Output, 480 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® Npower™ 37SA050A0A6E) For 208/208 Volt AC, Add 1,003.24 For MBC 2-Breaker, Add 4,551.96 For 18 Minute Battery, Add 10,724.32 For 28 Minute Battery, Add 13,115.13 For 35 Minute Battery, Add 13,879.83	28,145.31	1,369.62
26 33 53 00-0039 EA 65 kVA, 52 KW, 480 Volt AC Output, 480 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® Npower™ 37SA065A0A6E) For 208/208 Volt AC, Add 1,161.62 For MBC 2-Breaker, Add 5,573.39 For 12 Minute Battery, Add 11,805.89 For 19 Minute Battery, Add 13,489.55 For 25 Minute Battery, Add 14,246.09 For 30 Minute Battery, Add 18,876.20	32,113.00	1,712.02
26 33 53 00-0040 EA 80 kVA, 64 KW, 480 Volt AC Output, 480 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® Npower™ 37SA080A0A6E) For 208/208 Volt AC, Add 1,161.62 For MBC 3-Breaker, Add 5,573.39 For 15 Minute Battery, Add 13,645.19 For 19 Minute Battery, Add 15,532.06 For 33 Minute Battery, Add 25,155.67	34,380.41	2,054.43
26 33 53 00-0041 EA 100 kVA, 80 KW, 480 Volt AC Output, 480 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® Npower™ 37SA100A0A6E) For 208/208 Volt AC, Add 1,298.62 For MBC 3-Breaker, Add 6,009.58 For 11 Minute Battery, Add 14,464.86 For 17 Minute Battery, Add 21,503.86 For 25 Minute Battery, Add 26,037.45 For 35 Minute Battery, Add 29,349.20	37,294.94	2,396.83

26 Electrical**26 30 Facility Electrical Power Generating And Storing Equipment****26 33 Battery Equipment**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 33 53 00-0042 EA 130 kVA, 104 KW, 480 Volt AC Output, 480 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® Npower™ 37SA130A0A6E).....	40,792.78	2,739.24
For 208/208 Volt AC, Add	1,366.18	
For MBC 3-Breaker, Add	6,532.17	
For 11 Minute Battery, Add	19,984.28	
For 17 Minute Battery, Add	23,975.67	
For 25 Minute Battery, Add	31,871.55	
For 30 Minute Battery, Add	38,308.40	
26 33 53 00-0043 EA 225 kVA, 180 KW, 480 Volt AC Output, 480 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® Series 610, U39SA229AAAK).....	51,428.34	3,081.65
For Customer Alarm Interface, Add	393.61	
For Alarm Status Contacts, Add	474.19	
For Maintenance Bypass Interface, Add	554.77	
For Communication Interface, Add	619.86	
For Flush Mount Remote Status Panel, Add	781.03	
For SNMP, Add	976.29	
For Load Bus Sync Board, Add	1,456.68	
For Input Filter with Disconnect, Add	1,907.94	
For Isolation Transformer, Add	6,260.63	
For Two Breaker Matching Maintenance Bypass Cabinet, Add	6,972.86	
For Load Bus Sync Control Panel With Start Up, Add	7,000.13	
For Three Breaker Matching Maintenance Bypass Cabinet, Add	7,530.73	
For VRLA 12 Minute Battery, Add	33,731.89	
For VRLA 14 Minute Battery, Add	36,277.06	
For VRLA 22 Minute Battery, Add	45,439.42	
For VRLA 37 Minute Battery, Add	67,505.46	
26 33 53 00-0044 EA 300 kVA, 240 KW, 480 Volt AC Output, 480 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® Series 610, U39SA300AAAA).....	65,710.59	3,424.05
For Customer Alarm Interface, Add	393.61	
For Alarm Status Contacts, Add	474.19	
For Maintenance Bypass Interface, Add	554.77	
For Communication Interface, Add	619.86	
For Flush Mount Remote Status Panel, Add	781.03	
For SNMP, Add	976.29	
For Load Bus Sync Board, Add	1,456.68	
For Input Filter with Disconnect, Add	2,083.36	
For Load Bus Sync Control Panel With Start Up, Add	7,000.13	
For Isolation Transformer, Add	7,351.60	
For Two Breaker Matching Maintenance Bypass Cabinet, Add	8,410.94	
For Three Breaker Matching Maintenance Bypass Cabinet, Add	9,628.97	
For VRLA 14 Minute Battery, Add	45,501.68	
For VRLA 17 Minute Battery, Add	54,016.11	
For VRLA 26 Minute Battery, Add	67,578.09	
26 33 53 00-0045 EA 500 kVA, 400 KW, 480 Volt AC Output, 480 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® Series 610, U39SA500AAAA).....	102,534.48	4,108.85
For Customer Alarm Interface, Add	501.09	
For Alarm Status Contacts, Add	603.67	
For Maintenance Bypass Interface, Add	706.25	
For Communication Interface, Add	789.11	
For Flush Mount Remote Status Panel, Add	994.29	
For SNMP, Add	1,242.86	
For Load Bus Sync Board, Add	1,854.42	
For Input Filter with Disconnect, Add	5,900.12	
For Two Breaker Maintenance Bypass Switchboard, Add	8,199.69	
For Load Bus Sync Control Panel With Start Up, Add	8,965.92	
For 12 Pulse With Isolation Transformer, Add	11,178.39	
For Three Breaker Maintenance Bypass Switchboard, Add	12,468.80	
For VRLA 12 Minute Battery, Add	72,917.04	
26 33 53 00-0046 Optional Accessories For Three Phase, Uninterruptible Power Supply Systems (26 33 53 00-0033)		
26 33 53 00-0047 EA Programmable Relay Board For Liebert® Npower™ Uninterruptible Power Supply Systems.....	474.44	51.88
26 33 53 00-0048 EA Network Interface Card For Liebert® Npower™ Uninterruptible Power Supply Systems.....	749.03	51.88
26 33 53 00-0049 EA Remote Status Panel With 100' Of Cable For Liebert® Npower™ Uninterruptible Power Supply Systems.....	1,487.66	103.76
26 33 53 00-0050 EA Slim Line Distribution Panel With Two 42 Pole Panels For Liebert® Npower™ Uninterruptible Power Supply Systems.....	4,714.84	415.03
26 33 53 00-0051 EA Replacement 12 Volt, 3 Phase, 134 Amp Hours, Battery For Uninterruptible Power Supply Systems (C&D UPS12-490MR).....	328.87	51.88
26 33 53 00-0052 EA Replacement 12 Volt, 204 Watts, 3 Phase, 55 Amp Hours, Battery For Uninterruptible Power Supply Systems (Fiamm 12FLX200).....	184.20	51.88
26 33 53 00-0053 EA Replacement 12 Volt, 257 Watts, 3 Phase, 65 Amp Hours, Battery For Uninterruptible Power Supply Systems (Fiamm 12FLX250).....	205.31	51.88
26 33 53 00-0054 EA Replacement 12 Volt, 311 Watts, 3 Phase, 75 Amp Hours, Battery For Uninterruptible Power Supply Systems (Fiamm 12FLX300).....	226.42	51.88
26 33 53 00-0055 EA Replacement 12 Volt, 374 Watts, 3 Phase, 90 Amp Hours, Battery For Uninterruptible Power Supply Systems (Fiamm 12FLX350).....	264.42	51.88
26 33 53 00-0056 EA Replacement 12 Volt, 415 Watts, 3 Phase, 100 Amp Hours, Battery For Uninterruptible Power Supply Systems (Fiamm 12FLX400).....	277.09	51.88
26 33 53 00-0057 EA Replacement 12 Volt, 493 Watts, 3 Phase, 135 Amp Hours, Battery For Uninterruptible Power Supply Systems (Fiamm 12FLX500).....	342.53	51.88
26 33 53 00-0058 EA Replacement 12 Volt, 540 Watts, 3 Phase, 150 Amp Hours, Battery For Uninterruptible Power Supply Systems (Fiamm 12FLX540).....	358.36	51.88



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 33 53 00-0059 Other Uninterruptable Power Supply Equipment <small>(26 33 53)</small>						
			EA	Uninterrupted Power Supply Slim-Line Distribution Panel 42 Pole GE Plug-In.....	3,195.42	94.85
			EA	Uninterrupted Power Supply Slim-Line Distribution Panel 84 Pole GE Plug-In.....	3,903.36	189.72
			EA	GE Plug-In Breakers 1 Pole 15- 60A For UPS Distribution Panel.....	20.71	5.69
			EA	GE Plug-In Breakers 2 Pole 15- 40A For UPS Distribution Panel.....	34.96	7.11
			EA	GE Plug-In Breakers 2 Pole 50- 80A For UPS Distribution Panel.....	60.87	7.11
			EA	GE Plug-In Breakers 3 Pole 15- 60A For UPS Distribution Panel.....	88.41	9.49
			EA	GE Plug-In Breakers 3 Pole 70- 100A For UPS Distribution Panel.....	122.61	9.49
			EA	Uninterrupted Power Supply Remote Status Panel	2,210.80	94.85
			EA	Uninterrupted Power Supply Remote Contact Board.....	764.14	71.15
26 35 Power Filters And Conditioners <small>(26 30)</small>						
26 35 33 Power Factor Correction Equipment <small>(26 35)</small>						
26 35 33 00-0001 Power Factor Correction Capacitors <small>(26 35 33)</small>						
			EA	Power Factor Correction Capacitors, 2.0 KVAC	349.42	
			EA	Power Factor Correction Capacitors, 3.0 KVAC	386.99	
			EA	Power Factor Correction Capacitors, 4.0 KVAC	424.57	
			EA	Power Factor Correction Capacitors, 5.0 KVAC	460.63	
			EA	Power Factor Correction Capacitors, 7.5 KVAC	565.84	
			EA	Power Factor Correction Capacitors, 10.0 KVAC	691.33	
			EA	Power Factor Correction Capacitors, 15.0 KVAC	1,067.80	
			EA	Power Factor Correction Capacitors, 20.0 KVAC	1,296.99	
			EA	Power Factor Correction Capacitors, 25.0 KVAC	1,675.72	
			EA	Power Factor Correction Capacitors, 30.0 KVAC	1,905.66	
			EA	Power Factor Correction Capacitors, 50.0 KVAC	3,343.92	
			EA	Power Factor Correction Capacitors, 75.0 KVAC	5,027.91	
			EA	Power Factor Correction Capacitors, 100.0 KVAC	6,704.38	
			EA	Power Factor Correction Capacitors, Fuse Kit.....	311.10	
26 35 43 Static-Frequency Converters <small>(26 35)</small>						
26 35 43 00-0001 Rotary Phase Converter With NEMA 1 Indoor Enclosure <small>(26 35 43)</small>						
			EA	750 Watt Output Rotary Phase Converter With NEMA 1 Enclosure.....	439.33	103.76
			EA	2 KW Output Rotary Phase Converter With NEMA 1 Enclosure.....	735.52	124.51
			EA	3 KW Output Rotary Phase Converter With NEMA 1 Enclosure.....	847.43	166.02
			EA	5 KW Output Rotary Phase Converter With NEMA 1 Enclosure.....	1,154.02	207.52
			EA	7 KW Output Rotary Phase Converter With NEMA 1 Enclosure.....	1,576.61	269.77
			EA	11 KW Output Rotary Phase Converter With NEMA 1 Enclosure.....	2,024.05	332.03
			EA	15 KW Output Rotary Phase Converter With NEMA 1 Enclosure.....	2,521.16	394.28
			EA	21 KW Output Rotary Phase Converter With NEMA 1 Enclosure.....	3,047.20	446.17
			EA	29 KW Output Rotary Phase Converter With NEMA 1 Enclosure.....	3,556.88	539.54
			EA	36 KW Output Rotary Phase Converter With NEMA 1 Enclosure.....	4,064.37	607.00
			EA	44 KW Output Rotary Phase Converter With NEMA 1 Enclosure.....	4,571.85	674.44
			EA	55 KW Output Rotary Phase Converter With NEMA 1 Enclosure.....	5,659.30	814.51
			EA	74 KW Output Rotary Phase Converter With NEMA 1 Enclosure.....	7,295.44	980.52
			EA	87 KW Output Rotary Phase Converter With NEMA 1 Enclosure.....	9,211.25	1,193.23
			EA	110 KW Output Rotary Phase Converter With NEMA 1 Enclosure.....	10,559.82	1,395.55
			EA	125 KW Output Rotary Phase Converter With NEMA 1 Enclosure.....	13,415.17	1,556.38
			EA	165 KW Output Rotary Phase Converter With NEMA 1 Enclosure.....	20,040.22	1,763.90
			EA	220 KW Output Rotary Phase Converter With NEMA 1 Enclosure.....	29,397.67	1,971.42
26 35 53 Voltage Regulators <small>(26 35)</small>						
26 35 53 00-0001 Voltage Regulators, 480/277 Or 208/120 Volt, 3 Phase <small>(26 35 53)</small>						
Note: For diesel motor generator sets mounted in switchgear cabinet.						
			EA	50 KVA Volt Regulator For Diesel M-G 480/277 Or 208/120 Volt, 3 Phase In Switchgear	4,985.68	1,649.77
			EA	75 KVA Volt Regulator For Diesel M-G 480/277 Or 208/120 Volt, 3 Phase In Switchgear	5,844.20	2,075.18
			EA	100 KVA Volt Regulator For Diesel M-G 480/277 Or 208/120 Volt, 3 Phase In Switchgear	6,634.75	2,469.46
26 36 Transfer Switches <small>(26 30)</small>						
26 36 13 Manual Transfer Switches <small>(26 36)</small>						
26 36 13 00-0001 Fused Manual Transfer Switches <small>(26 36 13)</small>						
			EA	30 Amp Manual Transfer Switch, Fused, 3 Pole, 480 Volt.....	1,124.98	181.57
			EA	60 Amp Manual Transfer Switch, Fused, 3 Pole, 480 Volt.....	1,312.29	225.57
26 36 23 Automatic Transfer Switches <small>(26 36)</small>						
26 36 23 00-0001 Automatic Transfer Switch <small>(26 36 23)</small>						
26 36 23 00-0002 Automatic Transfer Switch, 2 Pole Circuit Breaker, NEMA 1 Enclosure <small>(26 36 23 00-0001)</small>						
Note: Programmable, 120/240 volt single phase, 3 wire.						
			EA	100 Amp, Automatic Transfer Switch, 120/240 Volt, NEMA 1, 2 Pole Circuit Breaker, Programmable, 3 Wire	1,978.64	371.66

26 Electrical**26 30 Facility Electrical Power Generating And Storing Equipment****26 36 Transfer Switches**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 36 23 00-0004	EA		225 Amp, Automatic Transfer Switch, 120/240 Volt, NEMA 1, 2 Pole Circuit Breaker, Programmable, 3 Wire.....	2,674.42	477.85
26 36 23 00-0005	EA		400 Amp, Automatic Transfer Switch, 120/240 Volt, NEMA 1, 2 Pole Circuit Breaker, Programmable, 3 Wire.....	4,174.60	637.14
26 36 23 00-0006	EA		600 Amp, Automatic Transfer Switch, 120/240 Volt, NEMA 1, 2 Pole Circuit Breaker, Programmable, 3 Wire.....	9,112.24	796.42
26 36 23 00-0007			Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (26 36 23 00-0001)		
26 36 23 00-0008	EA		40 Amp Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC40).....	3,047.59	265.47
			<i>For NEMA 3R Enclosure, Add</i>	616.95	
			<i>For NEMA 4 Enclosure, Add</i>	653.23	
			<i>For NEMA 12 Enclosure, Add</i>	653.23	
26 36 23 00-0009	EA		70 Amp Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC70).....	3,525.74	318.57
			<i>For NEMA 3R Enclosure, Add</i>	616.95	
			<i>For NEMA 4 Enclosure, Add</i>	653.23	
			<i>For NEMA 12 Enclosure, Add</i>	653.23	
26 36 23 00-0010	EA		125 Amp Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC125).....	3,888.77	371.66
			<i>For NEMA 3R Enclosure, Add</i>	616.95	
			<i>For NEMA 4 Enclosure, Add</i>	653.23	
			<i>For NEMA 12 Enclosure, Add</i>	653.23	
26 36 23 00-0011	EA		150 Amp Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC150).....	4,615.82	424.76
			<i>For NEMA 3R Enclosure, Add</i>	725.82	
			<i>For NEMA 4 Enclosure, Add</i>	943.56	
			<i>For NEMA 12 Enclosure, Add</i>	653.23	
26 36 23 00-0012	EA		225 Amp Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC225).....	5,266.32	477.85
			<i>For NEMA 3R Enclosure, Add</i>	725.82	
			<i>For NEMA 4 Enclosure, Add</i>	943.56	
			<i>For NEMA 12 Enclosure, Add</i>	653.23	
26 36 23 00-0013	EA		260 Amp Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC260).....	5,813.69	530.95
			<i>For NEMA 3R Enclosure, Add</i>	725.82	
			<i>For NEMA 4 Enclosure, Add</i>	943.56	
			<i>For NEMA 12 Enclosure, Add</i>	653.23	
26 36 23 00-0014	EA		300 Amp Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC300).....	6,092.22	584.05
			<i>For NEMA 3R Enclosure, Add</i>	856.46	
			<i>For NEMA 4 Enclosure, Add</i>	1,016.14	
			<i>For NEMA 12 Enclosure, Add</i>	725.82	
26 36 23 00-0015	EA		400 Amp Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC400).....	6,875.80	637.14
			<i>For NEMA 3R Enclosure, Add</i>	856.46	
			<i>For NEMA 4 Enclosure, Add</i>	1,016.14	
			<i>For NEMA 12 Enclosure, Add</i>	725.82	
26 36 23 00-0016	EA		600 Amp Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC600).....	9,376.98	796.42
			<i>For NEMA 3R Enclosure, Add</i>	856.46	
			<i>For NEMA 4 Enclosure, Add</i>	1,016.14	
			<i>For NEMA 12 Enclosure, Add</i>	725.82	
26 36 23 00-0017	EA		800 Amp Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC800).....	10,553.27	955.71
			<i>For NEMA 3R Enclosure, Add</i>	1,052.43	
			<i>For NEMA 4 Enclosure, Add</i>	1,161.31	
			<i>For NEMA 12 Enclosure, Add</i>	1,016.14	
26 36 23 00-0018	EA		1,000 Amp Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC1000).....	13,675.77	1,274.27
			<i>For NEMA 3R Enclosure, Add</i>	1,052.43	
			<i>For NEMA 4 Enclosure, Add</i>	1,161.31	
			<i>For NEMA 12 Enclosure, Add</i>	1,016.14	
26 36 23 00-0019	EA		1,200 Amp Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC1200).....	17,609.10	1,380.47
			<i>For NEMA 3R Enclosure, Add</i>	2,322.60	
			<i>For NEMA 4 Enclosure, Add</i>	1,306.46	
			<i>For NEMA 12 Enclosure, Add</i>	1,088.72	
26 36 23 00-0020	EA		1,600 Amp Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC1600).....	18,835.71	1,592.85
			<i>For NEMA 3R Enclosure, Add</i>	3,774.22	
			<i>For NEMA 4 Enclosure, Add</i>	4,645.20	
			<i>For NEMA 12 Enclosure, Add</i>	3,774.22	
26 36 23 00-0021	EA		2,000 Amp Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC2000).....	21,528.12	1,805.23
			<i>For NEMA 3R Enclosure, Add</i>	3,774.22	
			<i>For NEMA 4 Enclosure, Add</i>	4,645.20	
			<i>For NEMA 12 Enclosure, Add</i>	3,774.22	
26 36 23 00-0022	EA		3,000 Amp Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC3000).....	26,025.96	2,229.98
			<i>For NEMA 3R Enclosure, Add</i>	3,774.22	
26 36 23 00-0023	EA		4,000 Amp Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC4000).....	44,551.09	2,654.75
			<i>For NEMA 3R Enclosure, Add</i>	17,738.82	
26 36 23 00-0024			Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (26 36 23 00-0001)		
26 36 23 00-0025	EA		150 Amp Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins BTPC150).....	15,570.88	2,017.61
			<i>For NEMA 3R Enclosure, Add</i>	1,270.18	
			<i>For NEMA 4 Enclosure, Add</i>	1,306.46	
			<i>For NEMA 12 Enclosure, Add</i>	689.53	
26 36 23 00-0026	EA		225 Amp Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins BTPC225).....	16,263.82	2,123.80
			<i>For NEMA 3R Enclosure, Add</i>	1,270.18	
			<i>For NEMA 4 Enclosure, Add</i>	1,306.46	
			<i>For NEMA 12 Enclosure, Add</i>	689.53	
26 36 23 00-0027	EA		260 Amp Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins BTPC260).....	17,051.17	2,229.98
			<i>For NEMA 3R Enclosure, Add</i>	1,270.18	
			<i>For NEMA 4 Enclosure, Add</i>	1,306.46	
			<i>For NEMA 12 Enclosure, Add</i>	689.53	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 36 23 00-0028 EA 300 Amp Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins BTPC300).....	18,919.91	2,283.08
<i>For NEMA 3R Enclosure, Add</i>	1,270.18	
<i>For NEMA 4 Enclosure, Add</i>	1,306.46	
<i>For NEMA 12 Enclosure, Add</i>	689.53	
26 36 23 00-0029 EA 400 Amp Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins BTPC400).....	21,675.22	2,336.18
<i>For NEMA 3R Enclosure, Add</i>	1,270.18	
<i>For NEMA 4 Enclosure, Add</i>	1,306.46	
<i>For NEMA 12 Enclosure, Add</i>	689.53	
26 36 23 00-0030 EA 600 Amp Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins BTPC600).....	25,830.07	2,442.37
<i>For NEMA 3R Enclosure, Add</i>	1,270.18	
<i>For NEMA 4 Enclosure, Add</i>	1,306.46	
<i>For NEMA 12 Enclosure, Add</i>	725.82	
26 36 23 00-0031 EA 800 Amp Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins BTPC800).....	28,397.71	2,548.56
<i>For NEMA 3R Enclosure, Add</i>	1,306.46	
<i>For NEMA 4 Enclosure, Add</i>	1,306.46	
<i>For NEMA 12 Enclosure, Add</i>	798.40	
26 36 23 00-0032 EA 1,000 Amp Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins BTPC1000).....	35,558.45	2,973.32
<i>For NEMA 3R Enclosure, Add</i>	1,306.46	
<i>For NEMA 4 Enclosure, Add</i>	1,306.46	
<i>For NEMA 12 Enclosure, Add</i>	798.40	
26 36 23 00-0033 EA 1,200 Amp Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins BTPC1200).....	46,013.67	3,185.69
<i>For NEMA 3R Enclosure, Add</i>	5,806.49	
<i>For NEMA 4 Enclosure, Add</i>	7,258.11	
<i>For NEMA 12 Enclosure, Add</i>	5,806.49	
26 36 23 00-0034 EA 1,600 Amp Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins BTPC1600).....	59,675.62	3,398.08
<i>For NEMA 3R Enclosure, Add</i>	12,338.79	
<i>For NEMA 4 Enclosure, Add</i>	12,338.79	
<i>For NEMA 12 Enclosure, Add</i>	11,496.85	
26 36 23 00-0035 EA 2,000 Amp Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins BTPC2000).....	67,692.95	3,716.64
<i>For NEMA 3R Enclosure, Add</i>	12,338.79	
<i>For NEMA 4 Enclosure, Add</i>	12,338.79	
<i>For NEMA 12 Enclosure, Add</i>	11,496.85	
26 36 23 00-0036 EA 3,000 Amp Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins BTPC3000).....	107,468.12	4,247.59
<i>For NEMA 3R Enclosure, Add</i>	15,242.03	
26 36 23 00-0037 EA 4,000 Amp Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins BTPC4000).....	116,091.28	4,778.54
<i>For NEMA 3R Enclosure, Add</i>	15,242.03	
26 36 23 00-0038 Automatic Transfer Switch/Service Entrance, 3 Pole Circuit Breaker, NEMA 1 Enclosure <small>(26 36 23 00-0001)</small>		
26 36 23 00-0039 EA 40 Amp Automatic Transfer Switch/Service Entrance, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPCSE40).....	4,878.83	265.47
<i>For NEMA 3R Enclosure, Add</i>	362.91	
<i>For NEMA 12 Enclosure, Add</i>	653.23	
26 36 23 00-0040 EA 70 Amp Automatic Transfer Switch/Service Entrance, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPCSE70).....	5,293.78	318.57
<i>For NEMA 3R Enclosure, Add</i>	362.91	
<i>For NEMA 12 Enclosure, Add</i>	653.23	
26 36 23 00-0041 EA 125 Amp Automatic Transfer Switch/Service Entrance, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPCSE125).....	5,708.05	371.66
<i>For NEMA 3R Enclosure, Add</i>	362.91	
<i>For NEMA 12 Enclosure, Add</i>	653.23	
26 36 23 00-0042 EA 150 Amp Automatic Transfer Switch/Service Entrance, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPCSE150).....	6,842.99	424.76
<i>For Four Pole Circuit Breaker, Add</i>	1,814.53	
<i>For NEMA 3R Enclosure, Add</i>	362.91	
<i>For NEMA 12 Enclosure, Add</i>	653.23	
26 36 23 00-0043 EA 225 Amp Automatic Transfer Switch/Service Entrance, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPCSE225).....	8,868.26	477.85
<i>For Four Pole Circuit Breaker, Add</i>	1,814.53	
<i>For NEMA 3R Enclosure, Add</i>	362.91	
<i>For NEMA 12 Enclosure, Add</i>	653.23	
26 36 23 00-0044 EA 250 Amp Automatic Transfer Switch/Service Entrance, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPCSE250).....	9,454.22	530.95
<i>For Four Pole Circuit Breaker, Add</i>	1,814.53	
<i>For NEMA 3R Enclosure, Add</i>	362.91	
<i>For NEMA 12 Enclosure, Add</i>	653.23	
26 36 23 00-0045 EA 300 Amp Automatic Transfer Switch/Service Entrance, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPCSE300).....	9,849.87	584.05
<i>For Four Pole Circuit Breaker, Add</i>	2,467.76	
<i>For NEMA 3R Enclosure, Add</i>	943.56	
<i>For NEMA 12 Enclosure, Add</i>	725.82	
26 36 23 00-0046 EA 400 Amp Automatic Transfer Switch/Service Entrance, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPCSE400).....	11,133.18	637.14
<i>For Four Pole Circuit Breaker, Add</i>	2,467.76	
<i>For NEMA 3R Enclosure, Add</i>	943.56	
<i>For NEMA 12 Enclosure, Add</i>	725.82	
26 36 23 00-0047 EA 600 Amp Automatic Transfer Switch/Service Entrance, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPCSE600).....	13,521.89	796.42
<i>For Four Pole Circuit Breaker, Add</i>	2,467.76	
<i>For NEMA 3R Enclosure, Add</i>	943.56	
<i>For NEMA 12 Enclosure, Add</i>	725.82	

26 Electrical**26 30 Facility Electrical Power Generating And Storing Equipment****26 36 Transfer Switches**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 36 23 00-0048 EA 800 Amp Automatic Transfer Switch/Service Entrance, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPCSE800).....	14,157.20	955.71
For Four Pole Circuit Breaker, Add	3,520.19	
For NEMA 3R Enclosure, Add	1,625.82	
For NEMA 12 Enclosure, Add	1,016.14	
26 36 23 00-0049 EA 1,000 Amp Automatic Transfer Switch/Service Entrance, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPCSE1000).....	16,789.95	1,274.27
For Four Pole Circuit Breaker, Add	3,520.19	
For NEMA 3R Enclosure, Add	1,625.82	
For NEMA 12 Enclosure, Add	1,016.14	
26 36 23 00-0050 Accessories <small>(26 36 23)</small>		
26 36 23 00-0051 EA Auxiliary Contacts For Automatic Transfer Switch.....	168.39	
26 36 23 00-0052 EA Battery Charger For Automatic Transfer Switch.....	1,379.05	
26 36 23 00-0053 EA Elevator Relay Signal For Automatic Transfer Switch.....	500.81	
26 36 33 Non-Automatic Transfer Switches <small>(26 36)</small>		
26 36 33 00-0001 Non-Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure <small>(26 36 33)</small>		
26 36 33 00-0002 EA 40 Amp Non-Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OT40).....	2,098.69	265.47
For NEMA 3R Enclosure, Add	616.95	
For NEMA 12 Enclosure, Add	580.65	
26 36 33 00-0003 EA 70 Amp Non-Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OT70).....	2,340.63	318.57
For NEMA 3R Enclosure, Add	616.95	
For NEMA 12 Enclosure, Add	580.65	
26 36 33 00-0004 EA 125 Amp Non-Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OT125).....	2,663.07	371.66
For NEMA 3R Enclosure, Add	616.95	
For NEMA 12 Enclosure, Add	580.65	
26 36 33 00-0005 EA 150 Amp Non-Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OT150).....	2,531.50	424.76
For NEMA 3R Enclosure, Add	725.82	
For NEMA 12 Enclosure, Add	580.65	
26 36 33 00-0006 EA 225 Amp Non-Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OT225).....	4,033.96	477.85
For NEMA 3R Enclosure, Add	725.82	
For NEMA 12 Enclosure, Add	580.65	
26 36 33 00-0007 EA 260 Amp Non-Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OT260).....	4,531.42	530.95
For NEMA 3R Enclosure, Add	725.82	
For NEMA 12 Enclosure, Add	580.65	
26 36 33 00-0008 EA 300 Amp Non-Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OT300).....	5,036.20	584.05
For NEMA 3R Enclosure, Add	856.46	
For NEMA 12 Enclosure, Add	725.82	
26 36 33 00-0009 EA 400 Amp Non-Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OT400).....	5,882.33	637.14
For NEMA 3R Enclosure, Add	856.46	
For NEMA 12 Enclosure, Add	725.82	
26 36 33 00-0010 EA 600 Amp Non-Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OT600).....	7,750.68	796.42
For NEMA 3R Enclosure, Add	856.46	
For NEMA 12 Enclosure, Add	725.82	
26 36 33 00-0011 EA 800 Amp Non-Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OT800).....	8,757.30	955.71
For NEMA 3R Enclosure, Add	1,052.43	
For NEMA 12 Enclosure, Add	1,016.14	
26 36 33 00-0012 EA 1,000 Amp Non-Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OT1000).....	11,576.36	1,274.27
For NEMA 3R Enclosure, Add	1,052.43	
For NEMA 12 Enclosure, Add	1,016.14	
26 40 Electrical And Cathodic Protection <small>(26)</small>		
26 41 Facility Lightning Protection <small>(26 40)</small>		
26 41 13 Lightning Protection For Structures <small>(26 41)</small>		
26 41 13 00-0001 Lightning Protection <small>(26 41 13)</small>		
26 41 13 00-0002 Air Terminals For Lightning Protection <small>(26 41 13 00-0001)</small>		
26 41 13 00-0003 Copper Lightning Protection Air Terminals <small>(26 41 13 00-0002)</small>		
26 41 13 00-0004 EA 3/8" x 10" Copper Lightning Protection Air Terminal.....	55.14	10.38
26 41 13 00-0005 EA 1/2" x 12" Copper Lightning Protection Air Terminal.....	68.71	10.38
26 41 13 00-0006 EA 5/8" x 12" Copper Lightning Protection Air Terminal.....	88.91	10.38
26 41 13 00-0007 EA 1/2" x 24" Copper Lightning Protection Air Terminal.....	98.93	10.38
26 41 13 00-0008 EA 1/2" x 60" Copper Lightning Protection Air Terminal.....	190.87	20.75
26 41 13 00-0009 Aluminum Lightning Protection Air Terminals <small>(26 41 13 00-0002)</small>		
26 41 13 00-0010 EA 3/8" x 10" Aluminum Lightning Protection Air Terminal.....	33.21	10.38
26 41 13 00-0011 EA 1/2" x 12" Aluminum Lightning Protection Air Terminal.....	42.95	10.38
26 41 13 00-0012 EA 5/8" x 12" Aluminum Lightning Protection Air Terminal.....	52.13	10.38
26 41 13 00-0013 EA 1/2" x 24" Aluminum Lightning Protection Air Terminal.....	58.32	10.38
26 41 13 00-0014 EA 1/2" x 60" Aluminum Lightning Protection Air Terminal.....	107.30	20.75
26 41 13 00-0015 Terminal Bases For Lightning Protection <small>(26 41 13 00-0001)</small>		



Electrical	26	26
Electrical And Cathodic Protection	26 40	
Facility Lightning Protection	26 41	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 41 13 00-0016 Copper Lightning Protection Terminal Bases <small>(26 41 13 00-0015)</small>		
26 41 13 00-0017 EA Adhesive Base For Copper Lightning Protection Terminal	78.58	31.13
26 41 13 00-0018 EA Bolted Base For Copper Lightning Protection Terminal	105.63	41.50
26 41 13 00-0019 EA Hinged Base For Copper Lightning Protection Terminal	141.51	51.88
26 41 13 00-0020 EA Side Mounted Base For Copper Lightning Protection Terminal	105.63	41.50
26 41 13 00-0021 EA Offset Point Support For Copper Lightning Protection Terminal	112.00	41.50
26 41 13 00-0022 EA Concealed Base Assembly For Copper Lightning Protection Terminal	199.84	83.01
26 41 13 00-0023 EA 36" Tripod Base For 60" Copper Lightning Protection Terminal	139.84	51.88
26 41 13 00-0024 EA Intermediate Base For Copper Lightning Protection Terminal	78.58	31.13
26 41 13 00-0025 Aluminum Lightning Protection Terminal Bases <small>(26 41 13 00-0015)</small>		
26 41 13 00-0026 EA Adhesive Base For Aluminum Lightning Protection Terminal	64.52	31.13
26 41 13 00-0027 EA Bolted Base For Aluminum Lightning Protection Terminal	96.35	41.50
26 41 13 00-0028 EA Hinged Base For Aluminum Lightning Protection Terminal	124.43	51.88
26 41 13 00-0029 EA Side Mounted Base For Aluminum Lightning Protection Terminal	96.48	41.50
26 41 13 00-0030 EA Offset Point Support For Aluminum Lightning Protection Terminal	98.34	41.50
26 41 13 00-0031 EA Concealed Base Assembly For Aluminum Lightning Protection Terminal	182.06	83.01
26 41 13 00-0032 EA 36" Tripod Base For 60" Aluminum Lightning Protection Terminal	137.33	51.88
26 41 13 00-0033 EA Intermediate Base For Aluminum Lightning Protection Terminal	64.52	31.13
26 41 13 00-0034 Connectors <small>(26 41 13 00-0001)</small>		
26 41 13 00-0035 Copper Cable Connectors <small>(26 41 13 00-0034)</small>		
26 41 13 00-0036 EA Thru Wall Cable Connector For Copper Lightning Protection System	158.38	51.88
26 41 13 00-0037 EA Thru Roof Adapter Assembly For Copper Lightning Protection System	217.06	83.01
26 41 13 00-0038 EA Beam Connector For Copper Lightning Protection System	142.67	51.88
26 41 13 00-0039 EA Double Bolt Cable Connector For Copper Lightning Protection System	33.74	10.38
26 41 13 00-0040 EA Cable To Bar Connector For Copper Lightning Protection System	34.42	10.38
26 41 13 00-0041 EA Tee Connector For Copper Lightning Protection Terminal	104.97	31.13
26 41 13 00-0042 Aluminum Cable Connectors <small>(26 41 13 00-0034)</small>		
26 41 13 00-0043 EA Thru Wall Cable Connector For Aluminum Lightning Protection System	130.13	51.88
26 41 13 00-0044 EA Thru Roof Adapter Assembly For Aluminum Lightning Protection System	189.68	83.01
26 41 13 00-0045 EA Beam Connector For Aluminum Lightning Protection System	126.15	51.88
26 41 13 00-0046 EA Double Bolt Cable Connector For Aluminum Lightning Protection System	27.31	10.38
26 41 13 00-0047 EA Tee Connector For Aluminum Lightning Protection Terminal	81.31	31.13
26 41 13 00-0048 Bonding Plates <small>(26 41 13 00-0001)</small>		
26 41 13 00-0049 Copper Bonding Plates <small>(26 41 13 00-0048)</small>		
26 41 13 00-0050 EA 8" Square I Beam Bonding Plate For Copper Lightning Protection System	127.49	51.88
26 41 13 00-0051 EA 8" Square Purlin Bonding Plate For Copper Lightning Protection System	131.38	51.88
26 41 13 00-0052 EA 16" Square Bonding Plate For Copper Lightning Protection System	193.61	83.01
26 41 13 00-0053 Aluminum Bonding Plates <small>(26 41 13 00-0048)</small>		
26 41 13 00-0054 EA 8" Square I Beam Bonding Plate For Aluminum Lightning Protection System	117.53	51.88
26 41 13 00-0055 EA 8" Square Purlin Bonding Plate For Aluminum Lightning Protection System	119.65	51.88
26 41 13 00-0056 EA 16" Square Bonding Plate For Aluminum Lightning Protection System	176.63	83.01
26 41 13 00-0057 Cable Supports <small>(26 41 13 00-0001)</small>		
26 41 13 00-0058 Copper Cable Supports <small>(26 41 13 00-0057)</small>		
26 41 13 00-0059 EA Cable Supports For Copper Lightning Protection System	22.69	10.38
26 41 13 00-0060 EA Adhesive Cable Supports For Copper Lightning Protection System	23.92	10.38
26 41 13 00-0061 Aluminum Cable Supports <small>(26 41 13 00-0057)</small>		
26 41 13 00-0062 EA Cable Supports For Aluminum Lightning Protection System	22.40	10.38
26 41 13 00-0063 EA Adhesive Cable Supports For Aluminum Lightning Protection System	22.80	10.38
26 41 13 00-0064 Bonding Straps <small>(26 41 13 00-0001)</small>		
26 41 13 00-0065 Copper Bonding Straps <small>(26 41 13 00-0064)</small>		
26 41 13 00-0066 EA 3/4" x 9-1/2" Flex Braided Strap For Copper Lightning Protection System	66.88	31.13
26 41 13 00-0067 Aluminum Bonding Straps <small>(26 41 13 00-0064)</small>		
26 41 13 00-0068 EA 3/4" x 9-1/2" Flex Braided Strap For Aluminum Lightning Protection System	60.01	31.13
26 41 13 00-0069 Accessories For Lightning Protection <small>(26 41 13 00-0001)</small>		
See CSI section 26 05 26 00-0001 for conductors straps and conduit jumpers.		

26	Electrical
26 40	Electrical And Cathodic Protection
26 41	Facility Lightning Protection



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 41 13 00-0070 Copper Adapters <small>(26 41 13 00-0069)</small>		
26 41 13 00-0071 EA Swivel Adapters For Copper Lightning Protection System.....	24.93	5.19
26 41 13 00-0072 Aluminum Adapters <small>(26 41 13 00-0069)</small>		
26 41 13 00-0073 EA Swivel Adapters For Aluminum Lightning Protection System	18.32	5.19
26 41 13 00-0074 EA Floor Ground Receptacle For Aluminum Lightning Protection System	160.00	51.88
26 41 23 Lightning Protection Surge Arresters And Suppressors <small>(26 41)</small>		
26 41 23 00-0001 Surge And Lightning Arrestors <small>(26 41 23)</small>		
26 41 23 00-0002 Metal Top Intermediate Type IMX <small>(26 41 23 00-0001)</small>		
Note: For outdoor construction, single phase.		
26 41 23 00-0003 EA 3 KV, Lightning Arrestors, IMX, Metal Top For Outdoor Use, 1 Phase	965.42	222.01
26 41 23 00-0004 EA 4.5 KV, Lightning Arrestors, IMX, Metal Top For Outdoor Use, 1 Phase	1,046.52	222.01
26 41 23 00-0005 EA 6 KV, Lightning Arrestors, IMX, Metal Top For Outdoor Use, 1 Phase	1,046.52	222.01
26 41 23 00-0006 EA 7.5 KV, Lightning Arrestors, IMX, Metal Top For Outdoor Use, 1 Phase	1,197.15	222.01
26 41 23 00-0007 EA 9 KV, Lightning Arrestors, IMX, Metal Top For Outdoor Use, 1 Phase	1,197.15	222.01
26 41 23 00-0008 EA 10 KV, Lightning Arrestors, IMX, Metal Top For Outdoor Use, 1 Phase	1,322.28	222.01
26 41 23 00-0009 EA 12 KV, Lightning Arrestors, IMX, Metal Top For Outdoor Use, 1 Phase	1,322.28	222.01
26 41 23 00-0010 EA 15 KV, Lightning Arrestors, IMX, Metal Top For Outdoor Use, 1 Phase	1,804.06	277.52
26 41 23 00-0011 EA 18 KV, Lightning Arrestors, IMX, Metal Top For Outdoor Use, 1 Phase	1,868.94	277.52
26 41 23 00-0012 EA 21 KV, Lightning Arrestors, IMX, Metal Top For Outdoor Use, 1 Phase	2,053.72	333.03
26 41 23 00-0013 EA 24 KV, Lightning Arrestors, IMX, Metal Top For Outdoor Use, 1 Phase	2,220.57	333.03
26 41 23 00-0014 EA 27 KV, Lightning Arrestors, IMX, Metal Top For Outdoor Use, 1 Phase	2,640.00	333.03
26 41 23 00-0015 Porcelain Top Intermediate Type IMX <small>(26 41 23 00-0001)</small>		
Note: For cubicle mounting, single phase.		
26 41 23 00-0016 EA 3 KV, Lightning Arrestors, IMX, Porcelain Top For Cubicle Mounting, 1 Phase.....	965.42	222.01
26 41 23 00-0017 EA 4.5 KV, Lightning Arrestors, IMX, Porcelain Top For Cubicle Mounting, 1 Phase.....	1,046.52	222.01
26 41 23 00-0018 EA 6 KV, Lightning Arrestors, IMX, Porcelain Top For Cubicle Mounting, 1 Phase.....	1,046.52	222.01
26 41 23 00-0019 EA 7.5 KV, Lightning Arrestors, IMX, Porcelain Top For Cubicle Mounting, 1 Phase.....	1,197.15	222.01
26 41 23 00-0020 EA 9 KV, Lightning Arrestors, IMX, Porcelain Top For Cubicle Mounting, 1 Phase.....	1,197.15	222.01
26 41 23 00-0021 EA 10 KV, Lightning Arrestors, IMX, Porcelain Top For Cubicle Mounting, 1 Phase.....	1,322.28	222.01
26 41 23 00-0022 EA 12 KV, Lightning Arrestors, IMX, Porcelain Top For Cubicle Mounting, 1 Phase.....	1,322.28	222.01
26 41 23 00-0023 EA 15 KV, Lightning Arrestors, IMX, Porcelain Top For Cubicle Mounting, 1 Phase.....	1,804.06	277.52
26 41 23 00-0024 EA 18 KV, Lightning Arrestors, IMX, Porcelain Top For Cubicle Mounting, 1 Phase.....	1,868.94	277.52
26 41 23 00-0025 EA 21 KV, Lightning Arrestors, IMX, Porcelain Top For Cubicle Mounting, 1 Phase.....	2,053.72	333.03
26 41 23 00-0026 EA 24 KV, Lightning Arrestors, IMX, Porcelain Top For Cubicle Mounting, 1 Phase.....	2,220.57	333.03
26 41 23 00-0027 EA 27 KV, Lightning Arrestors, IMX, Porcelain Top For Cubicle Mounting, 1 Phase.....	2,640.00	333.03
26 41 23 00-0028 IMX Accessories <small>(26 41 23 00-0001)</small>		
26 41 23 00-0029 EA 1 Crossarm Bracket Reversible 3-27 KV IMX.....	798.57	222.01
26 41 23 00-0030 EA Single Unit Horizontal Pole Mounted Bracket (IMX).....	789.31	222.01
26 41 23 00-0031 EA 3 Unit Horizontal Pole Mounted Bracket (IMX)	719.88	222.01
26 41 23 00-0032 Lightning Arrestor And Cutouts <small>(26 41 23 00-0001)</small>		
26 41 23 00-0033 EA 3 KV La Distribution Class, Lightning Arrestor	539.04	222.01
26 41 23 00-0034 EA 3 KV La Interior Class, Lightning Arrestor.....	1,027.15	222.01
26 41 23 00-0035 EA 3 KV La Station Class, Lightning Arrestor.....	965.42	222.01
26 41 23 00-0036 EA 9 KV La Distribution Class, Lightning Arrestor	590.02	222.01
26 41 23 00-0037 EA 9 KV La Interior Class, Lightning Arrestor.....	1,162.30	222.01
26 41 23 00-0038 EA 9 KV La Station Class, Lightning Arrestor.....	1,197.15	222.01
26 41 23 00-0039 EA 5 KV Enclosed Fused Cutout.....	669.27	222.01
26 41 23 00-0040 EA 15 KV Open Fused Cutout.....	724.20	277.52
26 41 23 00-0041 EA 18 KV La Distribution Class, Lightning Arrestor	563.20	222.01
26 41 23 00-0042 EA 18 KV La Interior Class, Lightning Arrestor.....	1,234.53	222.01
26 43 Surge Protective Devices <small>(26 40)</small>		
26 43 13 Surge Protective Devices for Low-Voltage Electrical Power Circuits <small>(26 43)</small>		
26 43 13 00-0001 25 kA Low Exposure (14 kAIC) Transient Voltage Surge Suppression <small>(26 43 13)</small>		
Note: Liebert LPL		
26 43 13 00-0002 EA 120/240 Volt AC Single Phase, 3 Wire 25 kA Low Exposure Transient Voltage Surge Suppressor.....	204.81	25.94
26 43 13 00-0003 EA 208 Volt AC Three Phase, 3 Wire 25 kA Low Exposure Transient Voltage Surge Suppressor	220.33	25.94
26 43 13 00-0004 EA 240/120 Volt AC Three Phase, 4 Wire 25 kA Low Exposure Transient Voltage Surge Suppressor.....	230.70	31.13
26 43 13 00-0005 EA 277 Volt AC Single Phase, 2 Wire 25 kA Low Exposure Transient Voltage Surge Suppressor.....	190.00	20.75
26 43 13 00-0006 EA 480/277 Volt AC Three Phase, 4 Wire 25 kA Low Exposure Transient Voltage Surge Suppressor.....	230.70	31.13
26 43 13 00-0007 50 kA Low Exposure (14 kAIC) Transient Voltage Surge Suppression <small>(26 43 13)</small>		
Note: Liebert LPL		
26 43 13 00-0008 EA 120/240 Volt AC Single Phase, 3 Wire 50 kA Low Exposure Transient Voltage Surge Suppressor.....	281.28	25.94
26 43 13 00-0009 EA 208/120 Volt AC Three Phase, 4 Wire 50 kA Low Exposure Transient Voltage Surge Suppressor.....	300.51	31.13



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 43 13 00-0010 EA 208 Volt AC Three Phase, 3 Wire 50 kA Low Exposure Transient Voltage Surge Suppressor	290.14	25.94
26 43 13 00-0011 EA 480/277 Volt AC Three Phase, 4 Wire 50 kA Low Exposure Transient Voltage Surge Suppressor	300.51	31.13
26 43 13 00-0012 100 kA Low Exposure (14 kAIC) Transient Voltage Surge Suppression (26 43 13)		
Note: Liebert LPL		
26 43 13 00-0013 EA 120/240 Volt AC Single Phase, 3 Wire 100 kA Low Exposure Transient Voltage Surge Suppressor.....	338.90	25.94
26 43 13 00-0014 EA 208/120 Volt AC Three Phase, 4 Wire 100 kA Low Exposure Transient Voltage Surge Suppressor	358.14	31.13
26 43 13 00-0015 EA 277 Volt AC Single Phase, 2 Wire 100 kA Low Exposure Transient Voltage Surge Suppressor.....	315.23	20.75
26 43 13 00-0016 EA 480/277 Volt AC Three Phase, 4 Wire 100 kA Low Exposure Transient Voltage Surge Suppressor	358.14	31.13
26 43 13 00-0017 100 kA Low Exposure (65 kAIC) Transient Voltage Surge Suppression (26 43 13)		
Note: Liebert LPM		
26 43 13 00-0018 EA 120/240 Volt AC Single Phase, 3 Wire 100 kA Medium Exposure Transient Voltage Surge Suppressor.....	398.75	25.94
26 43 13 00-0019 EA 208/120 Volt AC Three Phase, 4 Wire 100 kA Medium Exposure Transient Voltage Surge Suppressor	450.12	31.13
26 43 13 00-0020 EA 277 Volt AC Three Phase, 2 Wire 100 kA Medium Exposure Transient Voltage Surge Suppressor	376.18	20.75
26 43 13 00-0021 160 kA Low Exposure (65 kAIC) Transient Voltage Surge Suppression (26 43 13)		
Note: Liebert LPM		
26 43 13 00-0022 EA 208/120 Volt AC Single Phase, 4 Wire 160 kA Medium Exposure Transient Voltage Surge Suppressor.....	699.47	31.13
26 43 13 00-0023 EA 208 Volt AC Three Phase, 3 Wire 160 kA Medium Exposure Transient Voltage Surge Suppressor	689.10	25.94
26 43 13 00-0024 EA 480/277 Volt AC Three Phase, 4 Wire 160 kA Medium Exposure Transient Voltage Surge Suppressor	699.47	31.13
26 43 13 00-0025 250 kA, 500 Joule Transient Voltage Surge Suppression (26 43 13)		
Note: Liebert Interceptor Hybrid.		
26 43 13 00-0026 EA LED Display, 120/208 Volt AC Three Phase, 250 kA Transient Voltage Surge Suppressor.....	4,013.84	51.88
26 43 13 00-0027 EA Audible Alarm/LED Display, 120/208 Volt AC Three Phase, 250 kA Transient Voltage Surge Suppressor	4,900.40	51.88
26 43 13 00-0028 Class 1310 Transient Voltage Surge Suppression (26 43 13)		
Note: Supplied with audible alarm, alarm enable/disable switch and dry contacts. Square D.		
26 43 13 00-0029 NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor (26 43 13 00-0029)		
Note: Square D. EMA series.		
26 43 13 00-0030 EA 120 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor.....	3,265.96	134.89
For Integral Disconnect, Add		265.68
For Surge Counter, Add		203.04
26 43 13 00-0031 EA 160 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor.....	3,604.03	155.64
For Integral Disconnect, Add		265.68
For Surge Counter, Add		203.04
26 43 13 00-0032 EA 240 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor.....	5,253.38	181.57
For Integral Disconnect, Add		265.68
For Surge Counter, Add		203.04
26 43 13 00-0033 EA 320 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor.....	6,979.75	207.52
For Integral Disconnect, Add		265.68
For Surge Counter, Add		203.04
26 43 13 00-0034 EA 480 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor.....	10,322.42	285.34
For Integral Disconnect, Add		265.68
For Surge Counter, Add		203.04
26 43 13 00-0035 EA 120 kA, 120/208 Volt, 1 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor.....	3,406.34	134.89
For Integral Disconnect, Add		265.68
For Surge Counter, Add		203.04
26 43 13 00-0036 EA 160 kA, 120/208 Volt, 1 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor.....	3,758.24	155.64
For Integral Disconnect, Add		265.68
For Surge Counter, Add		203.04
26 43 13 00-0037 EA 240 kA, 120/208 Volt, 1 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor.....	5,491.62	181.57
For Integral Disconnect, Add		265.68
For Surge Counter, Add		203.04
26 43 13 00-0038 EA 320 kA, 120/208 Volt, 1 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor.....	7,289.16	207.52
For Integral Disconnect, Add		265.68
For Surge Counter, Add		203.04
26 43 13 00-0039 EA 480 kA, 120/208 Volt, 1 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor.....	10,799.88	285.34
For Integral Disconnect, Add		265.68
For Surge Counter, Add		203.04
26 43 13 00-0040 EA 120 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor.....	3,406.34	134.89
For Integral Disconnect, Add		265.68
For Surge Counter, Add		203.04
26 43 13 00-0041 EA 160 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor.....	3,758.24	155.64
For Integral Disconnect, Add		265.68
For Surge Counter, Add		203.04
26 43 13 00-0042 EA 240 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor.....	5,491.57	181.57
For Integral Disconnect, Add		265.68
For Surge Counter, Add		203.04
26 43 13 00-0043 EA 320 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor.....	7,289.16	207.52
For Integral Disconnect, Add		265.68
For Surge Counter, Add		203.04
26 43 13 00-0044 EA 480 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor.....	10,799.88	285.34
For Integral Disconnect, Add		265.68
For Surge Counter, Add		203.04

26	Electrical
26 40	Electrical And Cathodic Protection
26 43	Surge Protective Devices



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 43 13 00-0045 EA 120 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor..... <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	3,546.74 265.68 203.04	134.89
26 43 13 00-0046 EA 160 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor..... <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	3,914.43 265.68 203.04	155.64
26 43 13 00-0047 EA 240 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor..... <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	5,731.82 265.68 203.04	181.57
26 43 13 00-0048 EA 320 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor..... <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	7,600.61 265.68 203.04	207.52
26 43 13 00-0049 EA 480 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor..... <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	11,279.28 265.68 203.04	285.34
26 43 13 00-0050 EA 120 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor..... <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	3,709.84 265.68 203.04	134.89
26 43 13 00-0051 EA 160 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor..... <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	4,076.58 265.68 203.04	155.64
26 43 13 00-0052 EA 240 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor..... <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	5,982.90 265.68 203.04	181.57
26 43 13 00-0053 EA 320 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor..... <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	7,926.82 265.68 203.04	207.52
26 43 13 00-0054 EA 480 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor..... <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	11,102.80 265.68 203.04	285.34
26 43 13 00-0055 NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor <small>(26 43 13 00-0028)</small> Note: Square D EBA series.		
26 43 13 00-0056 EA 120 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor..... <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	2,554.26 265.68 203.04	134.89
26 43 13 00-0057 EA 160 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor..... <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	3,084.11 265.68 203.04	155.64
26 43 13 00-0058 EA 240 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor..... <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	4,508.05 265.68 203.04	181.57
26 43 13 00-0059 EA 120 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor..... <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	2,634.33 265.68 203.04	134.89
26 43 13 00-0060 EA 160 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor..... <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	3,202.73 265.68 203.04	155.64
26 43 13 00-0061 EA 240 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor..... <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	4,663.24 265.68 203.04	181.57
26 43 13 00-0062 EA 120 kA, 120/240 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor..... <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	2,634.33 265.68 203.04	134.89
26 43 13 00-0063 EA 160 kA, 120/240 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor..... <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	3,202.73 265.68 203.04	155.64
26 43 13 00-0064 EA 240 kA, 120/240 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor..... <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	4,663.24 265.68 203.04	181.57
26 43 13 00-0065 EA 120 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor..... <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	2,736.15 265.68 203.04	134.89
26 43 13 00-0066 EA 160 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor..... <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	3,330.26 265.68 203.04	155.64
26 43 13 00-0067 EA 240 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor..... <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	4,861.93 265.68 203.04	181.57
26 43 13 00-0068 EA 120 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor..... <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	2,842.92 265.68 203.04	134.89
26 43 13 00-0069 EA 160 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor..... <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	3,465.68 265.68 203.04	155.64
26 43 13 00-0070 EA 240 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor..... <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	5,070.50 265.68 203.04	181.57
26 43 13 00-0071 NEMA 4X Modular Device Transient Voltage Surge Suppressor <small>(26 43 13 00-0028)</small> Note: Square D EMA series. Stainless steel.		



Electrical	26
Electrical And Cathodic Protection	26 40
Surge Protective Devices	26 43

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 43 13 00-0072 EA 120 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor..... <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	4,200.11 265.68 203.04	134.89
26 43 13 00-0073 EA 160 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor..... <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	4,538.18 265.68 203.04	155.64
26 43 13 00-0074 EA 240 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor..... <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	6,187.52 265.68 203.04	181.57
26 43 13 00-0075 EA 120 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor..... <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	4,340.49 265.68 203.04	134.89
26 43 13 00-0076 EA 160 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor..... <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	4,692.38 265.68 203.04	155.64
26 43 13 00-0077 EA 240 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor..... <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	6,425.76 265.68 203.04	181.57
26 43 13 00-0078 EA 120 kA, 120/240 Volt, 3 Phase, 4 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor..... <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	4,340.49 265.68 203.04	134.89
26 43 13 00-0079 EA 160 kA, 120/240 Volt, 3 Phase, 4 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor..... <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	4,692.38 265.68 203.04	155.64
26 43 13 00-0080 EA 240 kA, 120/240 Volt, 3 Phase, 4 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor..... <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	6,425.71 265.68 203.04	181.57
26 43 13 00-0081 EA 120 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor..... <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	4,480.88 265.68 203.04	134.89
26 43 13 00-0082 EA 160 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor..... <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	4,848.57 265.68 203.04	155.64
26 43 13 00-0083 EA 240 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor..... <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	6,665.97 265.68 203.04	181.57
26 43 13 00-0084 EA 120 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor..... <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	4,643.99 265.68 203.04	134.89
26 43 13 00-0085 EA 160 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor..... <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	5,010.73 265.68 203.04	155.64
26 43 13 00-0086 EA 240 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor..... <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	6,917.05 265.68 203.04	181.57
26 43 13 00-0087 NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor <small>(26 43 13 00-0028)</small>		
<i>Note: Square D EBA series. Stainless steel.</i>		
26 43 13 00-0088 EA 120 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor..... <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	3,488.41 265.68 203.04	134.89
26 43 13 00-0089 EA 160 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor..... <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	4,018.26 265.68 203.04	155.64
26 43 13 00-0090 EA 240 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor..... <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	5,442.19 265.68 203.04	181.57
26 43 13 00-0091 EA 120 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor..... <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	3,568.48 265.68 203.04	134.89
26 43 13 00-0092 EA 160 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor..... <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	4,136.88 265.68 203.04	155.64
26 43 13 00-0093 EA 240 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor..... <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	5,597.38 265.68 203.04	181.57
26 43 13 00-0094 EA 120 kA, 120/240 Volt, 3 Phase, 4 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor..... <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	3,568.48 265.68 203.04	134.89
26 43 13 00-0095 EA 160 kA, 120/240 Volt, 3 Phase, 4 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor..... <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	4,136.88 265.68 203.04	155.64
26 43 13 00-0096 EA 240 kA, 120/240 Volt, 3 Phase, 4 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor..... <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	5,597.38 265.68 203.04	181.57
26 43 13 00-0097 EA 120 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor..... <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	3,670.30 265.68 203.04	134.89
26 43 13 00-0098 EA 160 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor..... <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	4,264.40 265.68 203.04	155.64
26 43 13 00-0099 EA 240 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor..... <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	5,796.07 265.68 203.04	181.57

26	Electrical
26 40	Electrical And Cathodic Protection
26 43	Surge Protective Devices



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 43 13 00-0100 EA 120 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	3,777.06 265.68 203.04	134.89
26 43 13 00-0101 EA 160 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	4,399.82 265.68 203.04	155.64
26 43 13 00-0102 EA 240 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	6,004.65 265.68 203.04	181.57

26 50 Lighting ⁽²⁶⁾

Note: Light fixtures include testing of fixture, a set of lamps (light bulbs), wire nuts, ground wire connector, fixture whip, ballast(s), mounting brackets where necessary and cable connectors. Lay-in fixtures include support wire, clips and seismic supports.

26 51 Interior Lighting ^(26 50)

26 51 13 Interior Lighting Fixtures, Lamps, And Ballasts ^(26 51)

26 51 13 00-0001 Interior Lighting Accessories ^(26 51 13)

26 51 13 00-0002 LF For Each Additional LF Of Interior Lighting Wire Whip, Add	0.92	
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Note: Wire whips are included with interior lighting fixtures, where necessary, up to six feet in length. Use this task for additional required whip length. For example, if the fixture requires a 15' wire whip then use 9 LF of this task to reach required length.

26 51 13 00-0003 Lighting Accessories ^(26 51 13)

26 51 13 00-0004 Modular Flexible Wiring Systems ^(26 51 13 00-0003)

26 51 13 00-0005 EA 10' Length, 2-Circuit, Modular Power Cable (Day-Brite PC-12-2E-10)	59.97	5.60
26 51 13 00-0006 EA 15' Length, 2-Circuit, Modular Power Cable (Day-Brite PC-12-2E-15)	67.47	5.60
26 51 13 00-0007 EA 20' Length, 2-Circuit, Modular Power Cable (Day-Brite PC-12-2E-20)	80.35	5.60
26 51 13 00-0008 EA 15' Length, 2-Circuit, Modular Lighting Cable (Day-Brite LC-27-2E-15)	67.47	5.60
26 51 13 00-0009 EA 3 Out, 3-Circuit, Modular Lighting Interface (Day-Brite LI-27-3E)	64.03	5.60
26 51 13 00-0010 EA 13' Length, 2-Circuit, Modular Reddy-Connect Cable (Day-Brite RC-27-2D-13)	89.98	5.60
26 51 13 00-0011 EA 3" Length, 2-Circuit, Modular Lighting Adapter (Day-Brite LA-27-7M)	51.89	5.60
26 51 13 00-0012 EA 3" Length, 2-Circuit, Modular Lighting Tap (Day-Brite LT-27-2E)	57.63	5.60
26 51 13 00-0013 EA 7' Length, Single Level, Modular Lighting Switch Unit (Day-Brite LS-27-SL-07)	70.11	5.60
26 51 13 00-0014 EA 7' Length, 1-Circuit Multi-Level, Modular Lighting Switch Unit (Day-Brite LS-27-ML-07)	70.11	5.60
26 51 13 00-0015 EA 7' Length, 2-Circuit Multi-Level, Modular Lighting Switch Unit (Day-Brite LS-27-2C-07)	71.19	5.60
26 51 13 00-0016 EA 7' Length, 1st 3-Way, Modular Lighting Switch Unit (Day-Brite LS-27-3A-07)	70.79	5.60
26 51 13 00-0017 EA 7' Length, 2nd 3-Way, Modular Lighting Switch Unit (Day-Brite LS-27-3B-07)	70.79	5.60
26 51 13 00-0018 EA 15' Length, Single Level, Modular Lighting Switch Unit (Day-Brite LS-27-SL-15)	80.45	5.60
26 51 13 00-0019 EA 3" Length, 2-Circuit, Modular Lighting Adapter (Day-Brite LA-27-4D)	40.27	5.60
26 51 13 00-0020 EA 3" Length, 1-Circuit, Modular Lighting Distribution Cable (Day-Brite LD-27-1E)	38.01	5.60
26 51 13 00-0021 EA 3" Length, 2-Circuit, Modular Lighting Distribution Cable (Day-Brite LD-27-2E)	38.80	5.60
26 51 13 00-0022 EA 3" Length, 1-Circuit, Modular Lighting Tap (Day-Brite LT-27-1E)	47.16	5.60
26 51 13 00-0023 EA 15' Length, 1-Circuit, Modular Lighting Tap (Day-Brite LT-27-1E-15)	59.97	5.60
26 51 13 00-0024 EA 15' Length, 1-Circuit, Modular Lighting Cable (Day-Brite LC-27-1E-15)	61.33	5.60
26 51 13 00-0025 EA Modular Lighting Junction Or Circuit Splitter (Day-Brite LJ-27-3E)	49.23	5.60
26 51 13 00-0026 EA 3" Length, 1-Circuit, Modular Power Distribution Cable (Day-Brite PD-12-1E)	38.01	5.60
26 51 13 00-0027 EA Removal And Reinstallation Of Modular Wiring Complete Including Storage And Cleaning	46.68	

26 51 13 00-0028 Fluorescent Fixtures ^(26 51 13)

26 51 13 00-0029 Surface Mounted, Wraparound Fluorescent Fixtures ^(26 51 13 00-0028)

26 51 13 00-0030 6" x 2', Surface Mounted, Wraparound Fluorescent Fixtures ^(26 51 13 00-0029)

26 51 13 00-0031 EA 1 T8 Lamp, 6" x 2', Surface Mounted, Wraparound Fluorescent Fixture	107.69	29.69
26 51 13 00-0032 EA 2 T8 Lamps, 6" x 2', Surface Mounted, Wraparound Fluorescent Fixture	118.83	29.69

26 51 13 00-0033 6" x 4', Surface Mounted, Wraparound Fluorescent Fixtures ^(26 51 13 00-0029)

26 51 13 00-0034 EA 1 T8 Lamp, 6" x 4', Surface Mounted, Wraparound Fluorescent Fixture	121.40	30.92
26 51 13 00-0035 EA 2 T8 Lamps, 6" x 4', Surface Mounted, Wraparound Fluorescent Fixture	135.06	30.92

26 51 13 00-0036 1' x 4', Surface Mounted, Wraparound Fluorescent Fixtures ^(26 51 13 00-0029)

26 51 13 00-0037 EA 2 T8 Lamps, 1' x 4', Surface Mounted, Wraparound Fluorescent Fixture	144.87	34.72
26 51 13 00-0038 EA 3 T8 Lamps, 1' x 4', Surface Mounted, Wraparound Fluorescent Fixture	168.78	34.72
26 51 13 00-0039 EA 4 T8 Lamps, 1' x 4', Surface Mounted, Wraparound Fluorescent Fixture	194.92	34.72

26 51 13 00-0040 2' x 2', Surface Mounted, Wraparound Fluorescent Fixtures ^(26 51 13 00-0029)

26 51 13 00-0041 EA 2 T8 Lamps, 2' x 2', Surface Mounted, Wraparound Fluorescent Fixture	121.97	37.94
26 51 13 00-0042 EA 3 T8 Lamps, 2' x 2', Surface Mounted, Wraparound Fluorescent Fixture	137.37	37.94

26 51 13 00-0043 2' x 4', Surface Mounted, Wraparound Fluorescent Fixtures ^(26 51 13 00-0029)

26 51 13 00-0044 EA 2 T8 Lamps, 2' x 4', Surface Mounted, Wraparound Fluorescent Fixture	184.25	44.20
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Electrical	26	26
Lighting	26 50	
Interior Lighting	26 51	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 13 00-0045 EA 3 T8 Lamps, 2' x 4', Surface Mounted, Wraparound Fluorescent Fixture	197.61	44.20
26 51 13 00-0046 EA 4 T8 Lamps, 2' x 4', Surface Mounted, Wraparound Fluorescent Fixture	221.49	44.20
26 51 13 00-0047 Surface Mounted, Box Type Fluorescent Fixtures (26 51 13 00-0028)		
Note: Includes prismatic lens.		
26 51 13 00-0048 1' x 4', Surface Mounted, Box Type Fluorescent Fixtures (26 51 13 00-0047)		
26 51 13 00-0049 EA 2 T8 Lamps, 1' x 4', Surface Mounted, Box Type Fluorescent Fixture	144.20	34.43
26 51 13 00-0050 EA 3 T8 Lamps, 1' x 4', Surface Mounted, Box Type Fluorescent Fixture	219.95	34.43
26 51 13 00-0051 EA 4 T8 Lamps, 1' x 4', Surface Mounted, Box Type Fluorescent Fixture	248.74	34.43
26 51 13 00-0052 2' x 2', Surface Mounted, Box Type Fluorescent Fixtures (26 51 13 00-0047)		
26 51 13 00-0053 EA 2 T8 Lamps, 2' x 2', Surface Mounted, Box Type Fluorescent Fixture	209.97	37.94
26 51 13 00-0054 EA 3 T8 Lamps, 2' x 2', Surface Mounted, Box Type Fluorescent Fixture	227.30	37.94
26 51 13 00-0055 EA 4 T8 Lamps, 2' x 2', Surface Mounted, Box Type Fluorescent Fixture	239.86	37.94
26 51 13 00-0056 2' x 4', Surface Mounted, Box Type Fluorescent Fixtures (26 51 13 00-0047)		
26 51 13 00-0057 EA 2 T8 Lamps, 2' x 4', Surface Mounted, Box Type Fluorescent Fixture	219.67	44.20
26 51 13 00-0058 EA 3 T8 Lamps, 2' x 4', Surface Mounted, Box Type Fluorescent Fixture	239.60	44.20
26 51 13 00-0059 EA 4 T8 Lamps, 2' x 4', Surface Mounted, Box Type Fluorescent Fixture	251.34	44.20
26 51 13 00-0060 EA 6 T8 Lamps, 2' x 4', Surface Mounted, Box Type Fluorescent Fixture	270.05	44.20
26 51 13 00-0061 4' x 4', Surface Mounted, Box Type Fluorescent Fixtures (26 51 13 00-0047)		
26 51 13 00-0062 EA 4 T8 Lamps, 4' x 4', Surface Mounted, Box Type Fluorescent Fixture	415.89	56.92
26 51 13 00-0063 EA 6 T8 Lamps, 4' x 4', Surface Mounted, Box Type Fluorescent Fixture	425.46	56.92
26 51 13 00-0064 EA 8 T8 Lamps, 4' x 4', Surface Mounted, Box Type Fluorescent Fixture	691.96	56.92
26 51 13 00-0065 Recessed Fluorescent Fixtures (26 51 13 00-0028)		
26 51 13 00-0066 Lensed, Lay-In/Troffer, Recessed Fluorescent Fixtures (26 51 13 00-0065)		
26 51 13 00-0067 1' x 2', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture (26 51 13 00-0066)		
26 51 13 00-0068 EA 2 T8 Lamps, 1' x 2', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture	134.24	29.69
<i>For Drywall Or Plaster Ceilings, Add</i>	20.06	
26 51 13 00-0069 1' x 4', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture (26 51 13 00-0066)		
26 51 13 00-0070 EA 2 T8 Lamps, 1' x 4', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture	174.19	34.43
<i>For Drywall Or Plaster Ceilings, Add</i>	23.48	
26 51 13 00-0071 EA 2 T5 Lamps, 1' x 4', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture	289.42	34.43
<i>For Drywall Or Plaster Ceilings, Add</i>	23.48	
26 51 13 00-0072 2' x 2', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture (26 51 13 00-0066)		
26 51 13 00-0073 EA 2 T8 Lamps, 2' x 2', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture	175.56	37.94
<i>For Drywall Or Plaster Ceilings, Add</i>	25.61	
26 51 13 00-0074 EA 3 T8 Lamps, 2' x 2', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture	196.81	37.94
<i>For Drywall Or Plaster Ceilings, Add</i>	25.61	
26 51 13 00-0075 EA 4 T8 Lamps, 2' x 2', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture	199.68	37.94
<i>For Drywall Or Plaster Ceilings, Add</i>	25.62	
26 51 13 00-0076 EA 2 T5 Lamps, 2' x 2', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture	213.86	37.94
<i>For Drywall Or Plaster Ceilings, Add</i>	25.61	
26 51 13 00-0077 2' x 4', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture (26 51 13 00-0066)		
26 51 13 00-0078 EA 2 T8 Lamps, 2' x 4', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture	179.57	44.20
<i>For Drywall Or Plaster Ceilings, Add</i>	29.88	
26 51 13 00-0079 EA 3 T8 Lamps, 2' x 4', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture	235.45	44.20
<i>For Drywall Or Plaster Ceilings, Add</i>	29.88	
26 51 13 00-0080 EA 4 T8 Lamps, 2' x 4', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture	240.24	44.20
<i>For Drywall Or Plaster Ceilings, Add</i>	29.88	
26 51 13 00-0081 EA 6 T8 Lamps, 2' x 4', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture	267.50	44.20
<i>For Drywall Or Plaster Ceilings, Add</i>	29.88	
26 51 13 00-0082 EA 2 T5 Lamps, 2' x 4', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture	227.09	44.20
<i>For Drywall Or Plaster Ceilings, Add</i>	29.88	
26 51 13 00-0083 EA 3 T5 Lamps, 2' x 4', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture	297.32	44.20
<i>For Drywall Or Plaster Ceilings, Add</i>	29.88	
26 51 13 00-0084 EA 4 T5 Lamps, 2' x 4', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture	305.28	44.20
<i>For Drywall Or Plaster Ceilings, Add</i>	29.88	
26 51 13 00-0085 Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixtures (26 51 13 00-0065)		
26 51 13 00-0086 1' x 2', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixtures (26 51 13 00-0085)		
26 51 13 00-0087 EA 1 T8 Lamp, 1' x 2', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixture	151.03	29.69
<i>For Drywall Or Plaster Ceilings, Add</i>	20.06	

26	Electrical
26 50	Lighting
26 51	Interior Lighting



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 13 00-0088 EA 2 T8 Lamps, 1' x 2', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixture <i>For Drywall Or Plaster Ceilings, Add</i>	153.90 20.06	29.69
26 51 13 00-0089 EA 3 T8 Lamps, 1' x 2', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixture <i>For Drywall Or Plaster Ceilings, Add</i>	176.41 20.06	29.69
26 51 13 00-0090 1' x 4', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixtures (26 51 13 00-0085)		
26 51 13 00-0091 EA 1 T8 Lamp, 1' x 4', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixture <i>For Drywall Or Plaster Ceilings, Add</i>	173.89 23.48	34.43
26 51 13 00-0092 EA 2 T8 Lamps, 1' x 4', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixture <i>For Drywall Or Plaster Ceilings, Add</i>	178.68 23.48	34.43
26 51 13 00-0093 EA 3 T8 Lamps, 1' x 4', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixture <i>For Drywall Or Plaster Ceilings, Add</i>	199.61 23.48	34.43
26 51 13 00-0094 2' x 2', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixtures (26 51 13 00-0085)		
26 51 13 00-0095 EA 2 T8 Lamps, 2' x 2', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixture <i>For Drywall Or Plaster Ceilings, Add</i>	179.84 25.62	37.94
26 51 13 00-0096 EA 3 T8 Lamps, 2' x 2', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixture <i>For Drywall Or Plaster Ceilings, Add</i>	182.70 25.62	37.94
26 51 13 00-0097 EA 4 T8 Lamps, 2' x 2', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixture <i>For Drywall Or Plaster Ceilings, Add</i>	204.89 25.62	37.94
26 51 13 00-0098 2' x 4', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixtures (26 51 13 00-0085)		
26 51 13 00-0099 EA 2 T8 Lamps, 2' x 4', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixture <i>For Drywall Or Plaster Ceilings, Add</i>	179.57 29.88	44.20
26 51 13 00-0100 EA 3 T8 Lamps, 2' x 4', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixture <i>For Drywall Or Plaster Ceilings, Add</i>	205.07 29.88	44.20
26 51 13 00-0101 EA 4 T8 Lamps, 2' x 4', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixture <i>For Drywall Or Plaster Ceilings, Add</i>	229.43 29.88	44.20
26 51 13 00-0102 EA 6 T8 Lamps, 2' x 4', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixture <i>For Drywall Or Plaster Ceilings, Add</i>	258.66 29.88	44.20
26 51 13 00-0103 Direct-Indirect, Recessed Fluorescent Fixtures (26 51 13 00-0065)		
26 51 13 00-0104 1' x 4', Direct-Indirect, Recessed Fluorescent Fixtures (26 51 13 00-0103)		
26 51 13 00-0105 EA 1 T8 Lamp, 1' x 4', Direct-Indirect, Recessed Fluorescent Fixture <i>For Drywall Or Plaster Ceilings, Add</i>	297.14 23.48	34.43
26 51 13 00-0106 EA 2 T8 Lamps, 1' x 4', Direct-Indirect, Recessed Fluorescent Fixture <i>For Drywall Or Plaster Ceilings, Add</i>	301.93 23.48	34.43
26 51 13 00-0107 EA 1 T5 Lamp, 1' x 4', Direct-Indirect, Recessed Fluorescent Fixture <i>For Drywall Or Plaster Ceilings, Add</i>	346.79 23.48	34.43
26 51 13 00-0108 EA 2 T5 Lamps, 1' x 4', Direct-Indirect, Recessed Fluorescent Fixture <i>For Drywall Or Plaster Ceilings, Add</i>	354.75 23.48	34.43
26 51 13 00-0109 2' x 2', Direct-Indirect, Recessed Fluorescent Fixtures (26 51 13 00-0103)		
26 51 13 00-0110 EA 2 T8 Lamps, 2' x 2', Direct-Indirect, Recessed Fluorescent Fixture <i>For Drywall Or Plaster Ceilings, Add</i>	244.84 25.61	37.94
26 51 13 00-0111 EA 3 T8 Lamps, 2' x 2', Direct-Indirect, Recessed Fluorescent Fixture <i>For Drywall Or Plaster Ceilings, Add</i>	270.04 25.61	37.94
26 51 13 00-0112 EA 2 T5 Lamps, 2' x 2', Direct-Indirect, Recessed Fluorescent Fixture <i>For Drywall Or Plaster Ceilings, Add</i>	326.37 25.61	37.94
26 51 13 00-0113 2' x 4', Direct-Indirect, Recessed Fluorescent Fixtures (26 51 13 00-0103)		
26 51 13 00-0114 EA 2 T8 Lamps, 2' x 4', Direct-Indirect, Recessed Fluorescent Fixture <i>For Drywall Or Plaster Ceilings, Add</i>	278.81 29.88	44.20
26 51 13 00-0115 EA 3 T8 Lamps, 2' x 4', Direct-Indirect, Recessed Fluorescent Fixture <i>For Drywall Or Plaster Ceilings, Add</i>	336.66 29.88	44.20
26 51 13 00-0116 EA 1 T5 Lamp, 2' x 4', Direct-Indirect, Recessed Fluorescent Fixture <i>For Drywall Or Plaster Ceilings, Add</i>	349.91 29.88	44.20
26 51 13 00-0117 EA 2 T5 Lamps, 2' x 4', Direct-Indirect, Recessed Fluorescent Fixture <i>For Drywall Or Plaster Ceilings, Add</i>	383.27 29.88	44.20
26 51 13 00-0118 Volumetric, Recessed Fluorescent Fixtures (26 51 13 00-0065)		
26 51 13 00-0119 1' x 4', Volumetric, Recessed Fluorescent Fixtures (26 51 13 00-0118)		
26 51 13 00-0120 EA 2 T8 Lamps, 1' x 4', Volumetric, Recessed Fluorescent Fixture <i>For Drywall Or Plaster Ceilings, Add</i>	236.67 23.48	34.43
26 51 13 00-0121 EA 2 T5 Lamps, 1' x 4', Volumetric, Recessed Fluorescent Fixture <i>For Drywall Or Plaster Ceilings, Add</i>	303.43 23.48	34.43
26 51 13 00-0122 2' x 2', Volumetric, Recessed Fluorescent Fixtures (26 51 13 00-0118)		
26 51 13 00-0123 EA 2 T8 Lamps, 2' x 2', Volumetric, Recessed Fluorescent Fixture <i>For Drywall Or Plaster Ceilings, Add</i>	238.74 25.61	37.94
26 51 13 00-0124 EA 2 T5 Lamps, 2' x 2', Volumetric, Recessed Fluorescent Fixture <i>For Drywall Or Plaster Ceilings, Add</i>	268.60 25.61	37.94



Electrical	26	26
Lighting	26 50	
Interior Lighting	26 51	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 13 00-0125 2' x 4', Volumetric, Recessed Fluorescent Fixtures <small>(26 51 13 00-0118)</small>		
26 51 13 00-0126 EA 2 T8 Lamps, 2' x 4', Volumetric, Recessed Fluorescent Fixture <i>For Drywall Or Plaster Ceilings, Add</i>	266.67 29.88	44.20
26 51 13 00-0127 EA 2 T5 Lamps, 2' x 4', Volumetric, Recessed Fluorescent Fixture <i>For Drywall Or Plaster Ceilings, Add</i>	267.17 29.88	44.20
26 51 13 00-0128 Wet Location, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixtures <small>(26 51 13 00-0065)</small>		
26 51 13 00-0129 1' x 4', Wet Location, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixtures <small>(26 51 13 00-0128)</small>		
26 51 13 00-0130 EA 2 T8 Lamps, 1' x 4', Wet Location, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixture <i>For Drywall Or Plaster Ceilings, Add</i>	227.76 23.48	34.43
26 51 13 00-0131 2' x 2', Wet Location, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixtures <small>(26 51 13 00-0128)</small>		
26 51 13 00-0132 EA 2 T8 Lamps, 2' x 2', Wet Location, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixture <i>For Drywall Or Plaster Ceilings, Add</i>	219.25 25.61	37.94
26 51 13 00-0133 2' x 4', Wet Location, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixtures <small>(26 51 13 00-0128)</small>		
26 51 13 00-0134 EA 2 T8 Lamps, 2' x 4', Wet Location, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixture <i>For Drywall Or Plaster Ceilings, Add</i>	266.18 29.88	44.20
26 51 13 00-0135 EA 3 T8 Lamps, 2' x 4', Wet Location, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixture <i>For Drywall Or Plaster Ceilings, Add</i>	337.08 29.88	44.20
26 51 13 00-0136 EA 4 T8 Lamps, 2' x 4', Wet Location, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixture <i>For Drywall Or Plaster Ceilings, Add</i>	304.17 29.88	44.20
26 51 13 00-0137 Vandal Resistant, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixtures <small>(26 51 13 00-0065)</small>		
26 51 13 00-0138 1' x 4', Vandal Resistant, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixtures <small>(26 51 13 00-0137)</small>		
26 51 13 00-0139 EA 2 T8 Lamps, 1' x 4', Vandal Resistant, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixture <i>For Drywall Or Plaster Ceilings, Add</i>	218.69 23.48	34.43
26 51 13 00-0140 2' x 2', Vandal Resistant, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixtures <small>(26 51 13 00-0137)</small>		
26 51 13 00-0141 EA 2 T8 Lamps, 2' x 2', Vandal Resistant, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixture <i>For Drywall Or Plaster Ceilings, Add</i>	219.03 25.61	37.94
26 51 13 00-0142 2' x 4', Vandal Resistant, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixtures <small>(26 51 13 00-0137)</small>		
26 51 13 00-0143 EA 2 T8 Lamps, 2' x 4', Vandal Resistant, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixture <i>For Drywall Or Plaster Ceilings, Add</i>	271.27 29.88	44.20
26 51 13 00-0144 EA 3 T8 Lamps, 2' x 4', Vandal Resistant, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixture <i>For Drywall Or Plaster Ceilings, Add</i>	277.83 29.88	44.20
26 51 13 00-0145 EA 4 T8 Lamps, 2' x 4', Vandal Resistant, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixture <i>For Drywall Or Plaster Ceilings, Add</i>	286.37 29.88	44.20
26 51 13 00-0146 Striplight Fluorescent Fixtures <small>(26 51 13 00-0028)</small>		
26 51 13 00-0147 1 Lamp Cross Section, Striplight Fluorescent Fixtures <small>(26 51 13 00-0146)</small>		
26 51 13 00-0148 EA 1 T8 Lamp, 1-1/2' Length, Striplight Fluorescent Fixture	104.58	28.46
26 51 13 00-0149 EA 1 T8 Lamp, 2' Length, Striplight Fluorescent Fixture.....	122.61	28.46
26 51 13 00-0150 EA 1 T8 Lamp, 3' Length, Striplight Fluorescent Fixture.....	123.97	31.58
26 51 13 00-0151 EA 1 T8 Lamp, 4' Length, Striplight Fluorescent Fixture.....	130.10	34.72
26 51 13 00-0152 EA 1 T8 Lamp, 8' Length, Striplight Fluorescent Fixture.....	154.54	37.57
26 51 13 00-0153 2 Lamp Cross Section, Striplight Fluorescent Fixtures <small>(26 51 13 00-0146)</small>		
26 51 13 00-0154 EA 2 T8 Lamps, 2' Length, Striplight Fluorescent Fixture.....	126.29	31.58
26 51 13 00-0155 EA 2 T8 Lamps, 3' Length, Striplight Fluorescent Fixture.....	132.11	34.72
26 51 13 00-0156 EA 2 T8 Lamps, 4' Length, Striplight Fluorescent Fixture.....	139.63	37.94
26 51 13 00-0157 3 Lamp Cross Section, Striplight Fluorescent Fixtures <small>(26 51 13 00-0146)</small>		
26 51 13 00-0158 EA 3 T8 Lamps, 2' Length, Striplight Fluorescent Fixture.....	171.40	31.58
26 51 13 00-0159 EA 3 T8 Lamps, 3' Length, Striplight Fluorescent Fixture.....	169.92	34.72
26 51 13 00-0160 EA 3 T8 Lamps, 4' Length, Striplight Fluorescent Fixture.....	178.82	37.94

26	Electrical
26 50	Lighting
26 51	Interior Lighting



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51	13 00-0161		Display Case Fluorescent Fixtures (26 51 13 00-0146)		
	26 51 13 00-0162	EA	1 T8 Lamp, 1-1/2' Length, Undercabinet/Display Case Fluorescent Fixture (Lightolier TCU15W).....	83.74	31.13
	26 51 13 00-0163	EA	1 T8 Lamp, 2' Length, Undercabinet/Display Case Fluorescent Fixture (Lightolier TCU20W).....	101.31	31.13
	26 51 13 00-0164	EA	1 T8 Lamp, 3' Length, Undercabinet/Display Case Fluorescent Fixture (Lightolier TCU30W).....	110.21	36.31
	26 51 13 00-0165	EA	1 T8 Lamp, 4' Length, Undercabinet/Display Case Fluorescent Fixture (Lightolier TCU40W).....	114.01	36.31
26 51	13 00-0166		Industrial Fluorescent Fixtures (26 51 13 00-0028)		
26 51	13 00-0167		1 Lamp Cross Section, Industrial Fluorescent Fixtures (26 51 13 00-0166)		
	26 51 13 00-0168	EA	1 T8 Lamp, 2' Length, Industrial Fluorescent Fixture.....	139.32	28.46
	26 51 13 00-0169	EA	1 T8 Lamp, 4' Length, Industrial Fluorescent Fixture.....	152.64	34.72
	26 51 13 00-0170	EA	1 T8 Lamp, 8' Length, Industrial Fluorescent Fixture.....	262.10	44.20
26 51	13 00-0171		2 Lamp Cross Section, Industrial Fluorescent Fixtures (26 51 13 00-0166)		
	26 51 13 00-0172	EA	2 T8 Lamps, 2' Length, Industrial Fluorescent Fixture.....	146.92	31.58
	26 51 13 00-0173	EA	2 T8 Lamps, 4' Length, Industrial Fluorescent Fixture.....	162.19	37.94
	26 51 13 00-0174	EA	2 T8 Lamps, 8' Length, Industrial Fluorescent Fixture.....	271.68	44.20
26 51	13 00-0175		3 Lamp Cross Section, Industrial Fluorescent Fixtures (26 51 13 00-0166)		
	26 51 13 00-0176	EA	3 T8 Lamps, 2' Length, Industrial Fluorescent Fixture.....	152.73	31.58
	26 51 13 00-0177	EA	3 T8 Lamps, 4' Length, Industrial Fluorescent Fixture.....	169.19	37.94
	26 51 13 00-0178	EA	3 T8 Lamps, 8' Length, Industrial Fluorescent Fixture.....	247.85	44.20
26 51	13 00-0179		4 Lamp Cross Section, Industrial Fluorescent Fixtures (26 51 13 00-0166)		
	26 51 13 00-0180	EA	4 T8 Lamps, 4' Length, Industrial Fluorescent Fixture.....	219.07	37.94
	26 51 13 00-0181	EA	4 T8 Lamps, 8' Length, Industrial Fluorescent Fixture.....	316.38	44.20
26 51	13 00-0182		Flanged Fluorescent Fixture (26 51 13 00-0028)		
			Note: For plaster or drywall application. With electronic ballast.		
	26 51 13 00-0183	EA	2 T8 Lamps, 2' x 4', Prismatic Lensed, Flanged Fluorescent Fixture.....	220.16	56.92
	26 51 13 00-0184	EA	3 T8 Lamps, 2' x 4', Prismatic Lensed, Flanged Fluorescent Fixture.....	254.43	56.92
	26 51 13 00-0185	EA	4 T8 Lamps, 2' x 4', Prismatic Lensed, Flanged Fluorescent Fixture.....	259.22	56.92
26 51	13 00-0186		Undercabinet Fluorescent Fixtures (26 51 13 00-0028)		
	26 51 13 00-0187	EA	1 T5 Lamp, 12-3/16" Length, Slimline Undercabinet Fluorescent Fixture.....	83.57	25.61
	26 51 13 00-0188	EA	1 T5 Lamp, 21-3/16" Length, Slimline Undercabinet Fluorescent Fixture.....	98.71	31.30
	26 51 13 00-0189	EA	2 T5 Lamps, 24-7/16" Length, Slimline Undercabinet Fluorescent Fixture.....	97.59	31.30
	26 51 13 00-0190	EA	1 T5 Lamp, 33-7/16" Length, Slimline Undercabinet Fluorescent Fixture.....	114.42	34.15
	26 51 13 00-0191	EA	2 T5 Lamps, 42-7/16" Length, Slimline Undercabinet Fluorescent Fixture.....	133.15	39.84
26 51	13 00-0192		Corner Mounted, Fluorescent Fixtures (26 51 13 00-0028)		
			Note: Includes acrylic drop dish diffuser.		
26 51	13 00-0193		2' Length, Corner Mounted, Fluorescent Fixtures (26 51 13 00-0192)		
	26 51 13 00-0194	EA	1 T8 Lamp, 2' Length, Corner Mounted, Fluorescent Fixture.....	137.35	28.46
	26 51 13 00-0195	EA	2 T8 Lamps, 2' Length, Corner Mounted, Fluorescent Fixture.....	151.21	28.46
26 51	13 00-0196		3' Length, Corner Mounted, Fluorescent Fixtures (26 51 13 00-0192)		
	26 51 13 00-0197	EA	1 T8 Lamp, 3' Length, Corner Mounted, Fluorescent Fixture.....	154.92	29.88
	26 51 13 00-0198	EA	2 T8 Lamps, 3' Length, Corner Mounted, Fluorescent Fixture.....	168.20	29.88
26 51	13 00-0199		4' Length, Corner Mounted, Fluorescent Fixtures (26 51 13 00-0192)		
	26 51 13 00-0200	EA	1 T8 Lamp, 4' Length, Corner Mounted, Fluorescent Fixture.....	155.27	31.30
	26 51 13 00-0201	EA	2 T8 Lamps, 4' Length, Corner Mounted, Fluorescent Fixture.....	170.45	31.30
26 51	13 00-0202		Wall Bracket, Fluorescent Fixtures (26 51 13 00-0028)		
26 51	13 00-0203		Wall Bracket, Fluorescent Fixtures (Lithonia W) (26 51 13 00-0202)		
			Note: Includes extruded aluminum housing with brushed finish, acrylic diffuser and solid-state electronic ballast.		
26 51	13 00-0204		2' Length, Wall Bracket, Fluorescent Fixtures (Lithonia W) (26 51 13 00-0203)		
	26 51 13 00-0205	EA	1 T8 Lamp, 2' Length, Wall Bracket, Fluorescent Fixture (Lithonia W).....	230.97	47.73
	26 51 13 00-0206	EA	2 T8 Lamps, 2' Length, Wall Bracket, Fluorescent Fixture (Lithonia W).....	233.41	47.73
26 51	13 00-0207		3' Length, Wall Bracket, Fluorescent Fixtures (Lithonia W) (26 51 13 00-0203)		
	26 51 13 00-0208	EA	1 T8 Lamp, 3' Length, Wall Bracket, Fluorescent Fixture (Lithonia W).....	313.21	47.73
	26 51 13 00-0209	EA	2 T8 Lamps, 3' Length, Wall Bracket, Fluorescent Fixture (Lithonia W).....	316.62	47.73



Electrical	26	26
Lighting	26 50	
Interior Lighting	26 51	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 13 00-0210 4' Length, Wall Bracket, Fluorescent Fixtures (Lithonia W) <small>(26 51 13 00-0203)</small>		
26 51 13 00-0211 EA 1 T8 Lamp, 4' Length, Wall Bracket, Fluorescent Fixture (Lithonia W).....	327.31	47.73
26 51 13 00-0212 EA 2 T8 Lamps, 4' Length, Wall Bracket, Fluorescent Fixture (Lithonia W).....	329.75	47.73
26 51 13 00-0213 Wall Bracket, Fluorescent Fixtures (Lithonia WP) <small>(26 51 13 00-0202)</small> Note: Includes 20 gauge steel housing with baked finish, acrylic diffuser and solid-state electronic ballast.		
26 51 13 00-0214 2' Length, Wall Bracket, Fluorescent Fixtures (Lithonia WP) <small>(26 51 13 00-0213)</small>		
26 51 13 00-0215 EA 1 T8 Lamp, 2' Length, Wall Bracket, Fluorescent Fixture (Lithonia WP).....	359.77	47.73
26 51 13 00-0216 EA 2 T8 Lamps, 2' Length, Wall Bracket, Fluorescent Fixture (Lithonia WP).....	362.21	47.73
26 51 13 00-0217 3' Length, Wall Bracket, Fluorescent Fixtures (Lithonia WP) <small>(26 51 13 00-0213)</small>		
26 51 13 00-0218 EA 1 T8 Lamp, 3' Length, Wall Bracket, Fluorescent Fixture (Lithonia WP).....	287.36	47.73
26 51 13 00-0219 EA 2 T8 Lamps, 3' Length, Wall Bracket, Fluorescent Fixture (Lithonia WP).....	290.76	47.73
26 51 13 00-0220 4' Length, Wall Bracket, Fluorescent Fixtures (Lithonia WP) <small>(26 51 13 00-0213)</small>		
26 51 13 00-0221 EA 1 T8 Lamp, 4' Length, Wall Bracket, Fluorescent Fixture (Lithonia WP).....	328.39	47.73
26 51 13 00-0222 EA 2 T8 Lamps, 4' Length, Wall Bracket, Fluorescent Fixture (Lithonia WP).....	330.83	47.73
26 51 13 00-0223 Wall Bracket, Fluorescent Fixtures (Lithonia WC) <small>(26 51 13 00-0202)</small> Note: Includes 20 gauge steel housing with baked finish, acrylic diffuser and solid-state electronic ballast.		
26 51 13 00-0224 2' Length, Wall Bracket, Fluorescent Fixtures (Lithonia WC) <small>(26 51 13 00-0223)</small>		
26 51 13 00-0225 EA 1 T8 Lamp, 2' Length, Wall Bracket, Fluorescent Fixture (Lithonia WC).....	219.00	47.73
26 51 13 00-0226 EA 2 T8 Lamps, 2' Length, Wall Bracket, Fluorescent Fixture (Lithonia WC).....	221.44	47.73
26 51 13 00-0227 3' Length, Wall Bracket, Fluorescent Fixtures (Lithonia WC) <small>(26 51 13 00-0223)</small>		
26 51 13 00-0228 EA 1 T8 Lamp, 3' Length, Wall Bracket, Fluorescent Fixture (Lithonia WC).....	219.97	47.73
26 51 13 00-0229 EA 2 T8 Lamps, 3' Length, Wall Bracket, Fluorescent Fixture (Lithonia WC).....	223.38	47.73
26 51 13 00-0230 4' Length, Wall Bracket, Fluorescent Fixtures (Lithonia WC) <small>(26 51 13 00-0223)</small>		
26 51 13 00-0231 EA 1 T8 Lamp, 4' Length, Wall Bracket, Fluorescent Fixture (Lithonia WC).....	209.83	47.73
26 51 13 00-0232 EA 2 T8 Lamps, 4' Length, Wall Bracket, Fluorescent Fixture (Lithonia WC).....	212.27	47.73
26 51 13 00-0233 Low Occupancy, Industrial Fluorescent Fixtures <small>(26 51 13 00-0228)</small>		
26 51 13 00-0234 EA 1 T8 Lamp, 4' Length, Bi-Level Illumination, Industrial Fluorescent Fixture With Integral Occupancy Sensor (Deco SMART™ DSBL-CP).....	301.53	34.72
26 51 13 00-0235 EA 2 T8 Lamps, 4' Length, Bi-Level Illumination, Industrial Fluorescent Fixture With Integral Occupancy Sensor (Deco SMART™ DSBL-CP).....	306.28	37.94
26 51 13 00-0236 Accessories And Modifiers For Fluorescent Fixtures <small>(26 51 13 00-0228)</small>		
26 51 13 00-0237 Lens Modifications <small>(26 51 13 00-0236)</small>		
26 51 13 00-0238 EA For 1' x 2' Drop Dish Diffuser Instead Of Prismatic Lens, Add.....	18.84	
26 51 13 00-0239 EA For 1' x 4' Drop Dish Diffuser Instead Of Prismatic Lens, Add.....	23.27	
26 51 13 00-0240 EA For 2' x 2' Drop Dish Diffuser Instead Of Prismatic Lens, Add.....	24.38	
26 51 13 00-0241 EA For 2' x 4' Drop Dish Diffuser Instead Of Prismatic Lens, Add.....	26.60	
26 51 13 00-0242 EA For 4' x 4' Drop Dish Diffuser Instead Of Prismatic Lens, Add.....	32.14	
26 51 13 00-0243 EA For 1' x 2' Egg Crate/Cube Louvers Instead Of Prismatic Lens, Add.....	7.76	
26 51 13 00-0244 EA For 1' x 4' Egg Crate/Cube Louvers Instead Of Prismatic Lens, Add.....	11.08	
26 51 13 00-0245 EA For 2' x 2' Egg Crate/Cube Louvers Instead Of Prismatic Lens, Add.....	12.19	
26 51 13 00-0246 EA For 2' x 4' Egg Crate/Cube Louvers Instead Of Prismatic Lens, Add.....	14.41	
26 51 13 00-0247 Pendant Mounting Modifications <small>(26 51 13 00-0236)</small> Note: Per pendant. Use demolition cost for associated light fixture for demolition of pendant mounted light fixture assembly.		
26 51 13 00-0248 EA For Pendant Mounting Up to 1'-6" Long Section.....	8.42	
Note: Per pendant.		
26 51 13 00-0249 EA For Pendant Mounting 2' Long Section.....	9.75	
Note: Per pendant.		
26 51 13 00-0250 EA For Pendant Mounting 3' Long Section.....	12.48	
Note: Per pendant.		
26 51 13 00-0251 EA For Pendant Mounting 4' Long Section.....	14.74	
Note: Per pendant.		
26 51 13 00-0252 EA For Pendant Mounting 6' Long Section.....	18.62	
Note: Per pendant.		
26 51 13 00-0253 EA For Pendant Mounting 8' Long Section.....	25.27	
Note: Per pendant.		
26 51 13 00-0254 Fluorescent Light Accessories <small>(26 51 13 00-0236)</small>		
26 51 13 00-0255 EA Blank Metal Light Box Plate.....	14.01	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 13 00-0256 EA Factory Installed Fixture Mounted Occupancy Sensor.....	85.33	
26 51 13 00-0257 Wire Guards (26 51 13 00-0236)		
26 51 13 00-0258 EA Wire Guard for 6" x 2' Fixture.....	40.02	5.20
26 51 13 00-0259 EA Wire Guard for 6" x 4' Fixture.....	56.91	8.32
26 51 13 00-0260 EA Wire Guard for 1" x 2' Fixture.....	44.61	5.72
26 51 13 00-0261 EA Wire Guard for 1" x 4' Fixture.....	63.88	8.83
26 51 13 00-0262 EA Wire Guard for 2" x 2' Fixture.....	53.95	6.23
26 51 13 00-0263 EA Wire Guard for 2" x 4' Fixture.....	74.40	9.35
26 51 13 00-0264 LED Fixtures (26 51 13)		
26 51 13 00-0265 Undercabinet LED Fixtures (26 51 13 00-0264)		
26 51 13 00-0266 EA 12" Length, Undercabinet/Modular General Purpose LED Fixture (Lithonia RAZ12-M6)	122.83	25.61
26 51 13 00-0267 EA 18" Length, Undercabinet/Modular General Purpose LED Fixture (Lithonia RAZ18-M6)	156.21	31.30
26 51 13 00-0268 EA 24" Length, Undercabinet/Modular General Purpose LED Fixture (Lithonia RAZ24-M6)	174.40	31.30
26 51 13 00-0269 Striplight LED Fixtures (26 51 13 00-0264)		
26 51 13 00-0270 Striplight LED Fixtures (26 51 13 00-0269)		
26 51 13 00-0271 EA 2' Length, 3,000 Lumens, LED Striplight Fixture (Lithonia ZL1)	239.63	28.46
26 51 13 00-0272 EA 4' Length, 2,800 Lumens, LED Striplight Fixture (Lithonia ZL1)	249.12	34.72
26 51 13 00-0273 EA 2' Length, 1,400 Lumens, Lensed LED Striplight Fixture (Lithonia ZL2)	234.76	28.46
26 51 13 00-0274 EA 4' Length, 2,300 Lumens, Lensed LED Striplight Fixture (Lithonia ZL2)	244.25	34.72
26 51 13 00-0275 EA 4' Length, 4,600 Lumens, Lensed LED Striplight Fixture (Lithonia ZL2)	312.13	34.72
26 51 13 00-0276 Lay-In/Troffer LED Fixtures (26 51 13 00-0264)		
26 51 13 00-0277 Prismatic Lensed, Lay-In/Troffer LED Fixtures (26 51 13 00-0276)		
26 51 13 00-0278 Prismatic Lensed, Lay-In/Troffer LED Fixtures (Lithonia) (26 51 13 00-0277)		
26 51 13 00-0279 EA 4,300 Lumens, 1' x 4', Prismatic Lensed, Lay-In/Troffer LED Fixture (Lithonia TL4)	414.67	44.20
<i>For Drywall Or Plaster Ceilings, Add</i>	29.88	
26 51 13 00-0280 EA 3,300 Lumens, 2' x 2', Prismatic Lensed, Lay-In/Troffer LED Fixture (Lithonia 2TL2)	329.83	37.94
<i>For Drywall Or Plaster Ceilings, Add</i>	25.61	
26 51 13 00-0281 EA 4,600 Lumens, 2' x 4', Prismatic Lensed, Lay-In/Troffer LED Fixture (Lithonia 2TL4)	399.15	44.20
<i>For Drywall Or Plaster Ceilings, Add</i>	29.88	
26 51 13 00-0282 Prismatic Lensed, Lay-In/Troffer LED Fixtures (Lunera) (26 51 13 00-0277)		
26 51 13 00-0283 EA 3,200 Lumens, 1' x 4', Prismatic Lensed, Lay-In/Troffer LED Fixture (Lunera® 14G4)	462.22	44.20
26 51 13 00-0284 EA 3,200 Lumens, 2' x 2', Prismatic Lensed, Lay-In/Troffer LED Fixture (Lunera® 22G5)	322.45	37.94
26 51 13 00-0285 EA 4,175 Lumens, 2' x 4', Prismatic Lensed, Lay-In/Troffer LED Fixture (Lunera® 24G4)	417.66	44.20
26 51 13 00-0286 Prismatic Lensed, Lay-In/Troffer LED Fixtures (PlanLED) (26 51 13 00-0277)		
26 51 13 00-0287 EA 2,591 Lumens, 2' x 2', Prismatic Lensed, Lay-In/Troffer LED Fixture (PlanLED FTB4E)	219.67	37.94
26 51 13 00-0288 EA 3,883 Lumens, 2' x 2', Prismatic Lensed, Lay-In/Troffer LED Fixture (PlanLED FTB4E)	240.67	37.94
26 51 13 00-0289 EA 3,700 Lumens, 2' x 2', Prismatic Lensed, Lay-In/Troffer LED Fixture (PlanLED BL220-40)	208.12	37.94
26 51 13 00-0290 EA 4,200 Lumens, 2' x 2', Prismatic Lensed, Lay-In/Troffer LED Fixture (PlanLED BL220-45)	208.12	37.94
26 51 13 00-0291 EA 4,600 Lumens, 2' x 2', Prismatic Lensed, Lay-In/Troffer LED Fixture (PlanLED BL220-50)	221.77	37.94
26 51 13 00-0292 Volumetric, Lay-In/Troffer LED Fixtures (26 51 13 00-0276)		
26 51 13 00-0293 Volumetric, Lay-In/Troffer LED Fixtures (Lithonia) (26 51 13 00-0292)		
26 51 13 00-0294 EA 2,500 Lumens, 1' x 4', Volumetric, Lay-In/Troffer LED Fixture (Lithonia RTL4)	406.33	34.43
<i>For Drywall Or Plaster Ceilings, Add</i>	23.48	
26 51 13 00-0295 EA 2,400 Lumens, 2' x 2', Volumetric, Lay-In/Troffer LED Fixture (Lithonia 2RTL2)	354.76	37.94
<i>For Drywall Or Plaster Ceilings, Add</i>	25.61	
26 51 13 00-0296 EA 3,300 Lumens, 2' x 2', Volumetric, Lay-In/Troffer LED Fixture (Lithonia 2RTL2)	361.94	37.94
<i>For Drywall Or Plaster Ceilings, Add</i>	25.61	
26 51 13 00-0297 EA 4,000 Lumens, 2' x 4', Volumetric, Lay-In/Troffer LED Fixture (Lithonia 2RTL4)	395.99	44.20
<i>For Drywall Or Plaster Ceilings, Add</i>	29.88	
26 51 13 00-0298 EA 4,800 Lumens, 2' x 4', Volumetric, Lay-In/Troffer LED Fixture (Lithonia 2RTL4)	420.55	44.20
<i>For Drywall Or Plaster Ceilings, Add</i>	29.88	
26 51 13 00-0299 EA 2,400 Lumens, 2' x 4', Volumetric, Lay-In/Troffer LED Fixture (Lithonia 2VTL4)	337.09	44.20
<i>For Drywall Or Plaster Ceilings, Add</i>	29.88	
26 51 13 00-0300 EA 4,000 Lumens, 2' x 4', Volumetric, Lay-In/Troffer LED Fixture (Lithonia 2VTL4)	337.09	44.20
<i>For Drywall Or Plaster Ceilings, Add</i>	29.88	
26 51 13 00-0301 Architectural, Lay-In/Troffer LED Fixtures (26 51 13 00-0276)		
26 51 13 00-0302 Architectural, Lay-In/Troffer LED Fixtures (Lithonia) (26 51 13 00-0301)		
Note: Includes 4,000K color temperature, 120/277 voltage and steel housing assembly. Excludes sensors.		
26 51 13 00-0303 EA 2,100 Lumens, 1' x 4', Architectural, Lay-In/Troffer LED Fixture (Lithonia ALL4)	374.49	44.20
<i>For Drywall Or Plaster Ceilings, Add</i>	29.88	



Electrical	26
Lighting	26 50
Interior Lighting	26 51

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51	13 00-0304	EA	4,300 Lumens, 1' x 4', Architectural, Lay-In/Troffer LED Fixture (Lithonia ALL4)..... <i>For Drywall Or Plaster Ceilings, Add</i>	443.76 29.88	44.20
26 51	13 00-0305	EA	6,400 Lumens, 1' x 4', Architectural, Lay-In/Troffer LED Fixture (Lithonia ALL4)..... <i>For Drywall Or Plaster Ceilings, Add</i>	506.10 29.88	44.20
26 51	13 00-0306		Architectural, Lay-In/Troffer LED Fixtures (CREE® CR Series) <small>(26 51 13 00-0301)</small> Note: Includes 3,000K, 3,500 or 4,000K color temperature, 120/277 voltage and 20 gauge steel housing assembly. Excludes sensors.		
26 51	13 00-0307	EA	2,200 Lumens, 1' x 4', Architectural, Lay-In/Troffer LED Fixture (Cree® CR14™) <i>For Expanded Size Junction Box For Through Wiring, Add</i> <i>For Drywall Or Plaster Ceilings, Add</i> <i>For Surface Mount, Add</i>	305.18 2.94 106.30 153.98	44.20
26 51	13 00-0308	EA	3,100 Lumens, 1' x 4', Architectural, Lay-In/Troffer LED Fixture (Cree® CR14™) <i>For Expanded Size Junction Box For Through Wiring, Add</i> <i>For Drywall Or Plaster Ceilings, Add</i> <i>For Surface Mount, Add</i>	328.65 2.94 106.30 153.98	44.20
26 51	13 00-0309	EA	4,000 Lumens, 1' x 4', Architectural, Lay-In/Troffer LED Fixture (Cree® CR14™) <i>For Expanded Size Junction Box For Through Wiring, Add</i> <i>For Drywall Or Plaster Ceilings, Add</i> <i>For Surface Mount, Add</i>	328.65 2.94 106.30 153.98	44.20
26 51	13 00-0310	EA	5,000 Lumens, 1' x 4', Architectural, Lay-In/Troffer LED Fixture (Cree® CR14™) <i>For Expanded Size Junction Box For Through Wiring, Add</i> <i>For Drywall Or Plaster Ceilings, Add</i> <i>For Surface Mount, Add</i>	363.23 2.94 106.30 153.98	44.20
26 51	13 00-0311	EA	2,000 Lumens, 2' x 2', Architectural, Lay-In/Troffer LED Fixture (Cree® CR22™) <i>For Expanded Size Junction Box For Through Wiring, Add</i> <i>For Drywall Or Plaster Ceilings, Add</i> <i>For Surface Mount, Add</i>	270.99 2.94 92.62 144.73	37.94
26 51	13 00-0312	EA	3,200 Lumens, 2' x 2', Architectural, Lay-In/Troffer LED Fixture (Cree® CR22™) <i>For Expanded Size Junction Box For Through Wiring, Add</i> <i>For Drywall Or Plaster Ceilings, Add</i> <i>For Surface Mount, Add</i>	267.28 2.94 92.62 144.73	37.94
26 51	13 00-0313	EA	3,200 Lumens, 2' x 2', Architectural, Lay-In/Troffer LED Fixture (CREE® AR22™) <i>For Expanded Size Junction Box For Through Wiring, Add</i> <i>For Drywall Or Plaster Ceilings, Add</i> <i>For Surface Mount, Add</i>	267.72 2.94 92.62 144.73	37.94
26 51	13 00-0314	EA	3,200 Lumens, 2' x 2', Architectural, Lay-In/Troffer LED Fixture With Step Dimming (CREE® AR22™)..... <i>For Expanded Size Junction Box For Through Wiring, Add</i> <i>For Drywall Or Plaster Ceilings, Add</i> <i>For Surface Mount, Add</i>	292.92 2.94 92.62 144.73	37.94
26 51	13 00-0315	EA	2,200 Lumens, 2' x 4', Architectural, Lay-In/Troffer LED Fixture (Cree® CR24™) <i>For Expanded Size Junction Box For Through Wiring, Add</i> <i>For Drywall Or Plaster Ceilings, Add</i> <i>For Surface Mount, Add</i>	305.18 2.94 108.40 167.63	44.20
26 51	13 00-0316	EA	3,100 Lumens, 2' x 4', Architectural, Lay-In/Troffer LED Fixture (Cree® CR24™) <i>For Expanded Size Junction Box For Through Wiring, Add</i> <i>For Drywall Or Plaster Ceilings, Add</i> <i>For Surface Mount, Add</i>	328.65 2.94 108.40 167.63	44.20
26 51	13 00-0317	EA	4,000 Lumens, 2' x 4', Architectural, Lay-In/Troffer LED Fixture (Cree® CR24™) <i>For Expanded Size Junction Box For Through Wiring, Add</i> <i>For Drywall Or Plaster Ceilings, Add</i> <i>For Surface Mount, Add</i>	328.65 2.94 108.40 167.63	44.20
26 51	13 00-0318	EA	4,000 Lumens, High Efficiency, 2' x 4', Architectural, Lay-In/Troffer LED Fixture (CREE® CR24™)..... <i>For Expanded Size Junction Box For Through Wiring, Add</i> <i>For Drywall Or Plaster Ceilings, Add</i> <i>For Surface Mount, Add</i>	416.35 2.94 108.40 167.63	44.20
26 51	13 00-0319	EA	5,000 Lumens, 2' x 4', Architectural, Lay-In/Troffer LED Fixture (Cree® CR24™) <i>For Expanded Size Junction Box For Through Wiring, Add</i> <i>For Drywall Or Plaster Ceilings, Add</i> <i>For Surface Mount, Add</i>	363.23 2.94 108.40 167.63	44.20
26 51	13 00-0320		Architectural, Lay-In/Troffer LED Fixtures (Metalux®) <small>(26 51 13 00-0301)</small> Note: Includes 3,000K, 3,500 or 4,000K color temperature, 120/277 voltage and code gauge steel housing assembly. Excludes sensors.		
26 51	13 00-0321	EA	2,500 Lumens, 2' x 2', Architectural, Lay-In/Troffer LED Fixture (Metalux® Accord™ 2AC).....	278.84	37.94
26 51	13 00-0322	EA	4,700 Lumens, 2' x 4', Architectural, Lay-In/Troffer LED Fixture (Metalux® Accord™ 2AC).....	372.06	44.20
26 51	13 00-0323		Shadow Box Style, Lay-In/Troffer LED Fixtures <small>(26 51 13 00-0276)</small>		
26 51	13 00-0324		Shadow Box Style, Lay-In/Troffer LED Fixtures (Lithonia SBSL) <small>(26 51 13 00-0323)</small>		
26 51	13 00-0325	EA	3,300 Lumens, 2' x 2', Shadow Box Style, Lay-In/Troffer LED Fixture (Lithonia 2SBSL2)..... <i>For Drywall Or Plaster Ceilings, Add</i>	336.93 25.61	37.94
26 51	13 00-0326	EA	4,600 Lumens, 2' x 4', Shadow Box Style, Lay-In/Troffer LED Fixture (Lithonia 2SBSL4)..... <i>For Drywall Or Plaster Ceilings, Add</i>	456.01 29.88	44.20
26 51	13 00-0327		Panel Type, Lay-In/Troffer LED Fixtures <small>(26 51 13 00-0276)</small>		
26 51	13 00-0328		Panel Type, Lay-In/Troffer LED Fixtures (PlanLED Galaxy) <small>(26 51 13 00-0327)</small>		
26 51	13 00-0329	EA	3,100 Lumens, 1' x 4', Panel Type, Lay-In/Troffer LED Fixture (PlanLED Galaxy GL140-34).....	242.38	44.20
26 51	13 00-0330	EA	3,100 Lumens, 2' x 2', Panel Type, Lay-In/Troffer LED Fixture (PlanLED Galaxy GL220-34).....	241.33	37.94
26 51	13 00-0331	EA	4,000 Lumens, 2' x 4', Panel Type, Lay-In/Troffer LED Fixture (PlanLED Galaxy GL240-40).....	306.66	44.20



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 13 00-0332 EA 5,000 Lumens, 2' x 4', Panel Type, Lay-In/Troffer LED Fixture (PlanLED Galaxy GL240-52)	306.66	44.20
26 51 13 00-0333 Surface Mount LED Fixtures (26 51 13 00-0264)		
26 51 13 00-0334 Surface Mount, Volumetric LED Fixtures (26 51 13 00-0333)		
26 51 13 00-0335 EA 2' Length, 2,200 Lumens, Surface Mount, Volumetric LED Fixture (Lithonia STL2)	330.00	28.46
26 51 13 00-0336 EA 4' Length, 4,000 Lumens, Surface Mount, Volumetric LED Fixture (Lithonia STL4)	377.18	34.72
26 51 13 00-0337 Surface Mount, Wraparound LED Fixtures (26 51 13 00-0333)		
26 51 13 00-0338 EA 2' Length, 3,500 Lumens, Surface Mount, Wraparound LED Fixture (Lithonia LBL2)	195.42	34.72
26 51 13 00-0339 EA 4' Length, 4,000 Lumens, Surface Mount, Wraparound LED Fixture (Lithonia LBL4)	198.74	34.72
26 51 13 00-0340 Surface Mount, Shadow Box Style LED Fixtures (26 51 13 00-0333)		
26 51 13 00-0341 Surface Mount, Shadow Box Style LED Fixtures (Lithonia SBSLX) (26 51 13 00-0340)		
26 51 13 00-0342 EA 3,300 Lumens, 2' x 2', Surface Mount, Shadow Box Style LED Fixture (Lithonia 2SBSLX2)	426.50	37.94
26 51 13 00-0343 EA 4,600 Lumens, 2' x 4', Surface Mount, Shadow Box Style LED Fixture (Lithonia 2SBSLX4)	545.58	44.20
26 51 13 00-0344 Recessed LED Downlights (26 51 13 00-0264)		
26 51 13 00-0345 Recessed LED Downlights (26 51 13 00-0344)		
26 51 13 00-0346 Recessed LED Downlights (Lithonia) (26 51 13 00-0345)		
Note: Includes housing and trim.		
26 51 13 00-0347 EA 1,200 Lumens, 8" Diameter, Recessed LED Downlight With Open Trim (Lithonia DOM8 LED)	373.80	45.65
For Dimming Driver And Sensor Switch nLight Dimming Relay, Add	83.03	
26 51 13 00-0348 EA 1,500 Lumens, 8" Diameter, Recessed LED Downlight With Open Trim (Lithonia DOM8 LED)	408.44	45.65
For Dimming Driver And Sensor Switch nLight Dimming Relay, Add	83.03	
26 51 13 00-0349 Recessed LED Downlights (Portfolio®) (26 51 13 00-0345)		
Note: Includes housing and trim.		
26 51 13 00-0350 EA 1,300 Lumens, 4" Diameter, Recessed LED Downlight With Open Trim (Portfolio® LD413)	226.50	45.65
26 51 13 00-0351 Recessed LED Downlights (Gotham® EVO®) (26 51 13 00-0345)		
Note: Includes housing and trim.		
26 51 13 00-0352 EA 1,800 Lumens, 6" Diameter, Recessed LED Downlight With Open Trim (Gotham® EVO® ALED)	333.62	45.65
26 51 13 00-0353 EA 1,800 Lumens, 6" Diameter, Recessed LED Shower Downlight With Non-Conductive Regressed Lens (Gotham® EVO® ALED)	345.87	45.65
26 51 13 00-0354 EA 1,800 Lumens, 6" Diameter, Recessed LED Wallwash Downlight With Specular Reflector Trim (Gotham® EVO® DLWLED)	396.11	45.65
26 51 13 00-0355 EA 1,800 Lumens, 6" Diameter, Decorative Recessed LED Downlight With Glass Drop Luminous Ring (Gotham® EVO® ALED)	401.02	45.65
26 51 13 00-0356 EA 1,800 Lumens, 6" Diameter, Vandal Resistant, Recessed LED Downlight With Tempered Prismatic Lens (Gotham® EVO® VRALED)	443.91	45.65
26 51 13 00-0357 Recessed LED Downlights (Lightolier) (26 51 13 00-0345)		
Note: Includes housing and trim.		
26 51 13 00-0358 EA 500 Lumens, 4" Diameter, Recessed LED Downlight With Open Trim (Lightolier C4L05DL)	328.77	45.65
26 51 13 00-0359 EA 1,000 Lumens, 4" Diameter, Recessed LED Downlight With Open Trim (Lightolier C4L10DL)	381.39	45.65
26 51 13 00-0360 EA 1,500 Lumens, 6" Diameter, Recessed LED Downlight With Open Trim (Lightolier C6L1520DL)	407.64	45.65
26 51 13 00-0361 EA 2,000 Lumens, 6" Diameter, Recessed LED Downlight With Open Trim (Lightolier C6L1520DL)	407.64	45.65
26 51 13 00-0362 EA 1,500 Lumens, 7" Diameter, Recessed LED Downlight With Open Trim (Lightolier C7L1520DL)	420.82	45.65
26 51 13 00-0363 EA 2,000 Lumens, 7" Diameter, Recessed LED Downlight With Open Trim (Lightolier C7L1520DL)	434.02	45.65
26 51 13 00-0364 Recessed LED Downlight Retrofits And Trim (CREE®) (26 51 13 00-0344)		
26 51 13 00-0365 Recessed LED Downlight Retrofits (CREE®) (26 51 13 00-0364)		
Note: Dimmable to 5%. For installation in standard recessed IC or non-IC housings. Includes removal of existing lamp from fixture. Excludes housing and disposal of hazardous lamps.		
26 51 13 00-0366 EA 575 Lumens, 4" Diameter, Recessed LED Downlight Retrofit (Cree® CR4-575L)	50.90	
26 51 13 00-0367 EA 625 Lumens, 6" Diameter, Recessed LED Downlight Retrofit (Cree® CR6-625L)	43.48	
26 51 13 00-0368 EA 800 Lumens, 6" Diameter, Recessed LED Downlight Retrofit (Cree® CR6-800L)	58.31	
26 51 13 00-0369 EA 650 Lumens, 6" Diameter, Recessed LED Downlight Retrofit (Cree® LR6C-277)	66.95	
26 51 13 00-0370 EA 1,000 Lumens, Deep Recess, 6" Diameter, Recessed LED Downlight Retrofit (Cree® LR6-10L-XXX-120V-A-DR)	74.36	
26 51 13 00-0371 Recessed LED Downlight Retrofits Trim (CREE®) (26 51 13 00-0364)		
Note: For installation in standard recessed IC or non-IC housings. Excludes housing and lamp.		
26 51 13 00-0372 EA 6" Diameter, Diffuse Anodized Finish Reflector For LED Downlight Retrofits (Cree® CT6AX)	27.92	7.26
26 51 13 00-0373 EA 6" Diameter, Diffuse Anodized Finish Reflector With Painted Flange For LED Downlight Retrofits (Cree® LT6AP)	32.86	7.26
26 51 13 00-0374 EA 6" Diameter, Flat Black Finish Trim And Reflector For LED Downlight Retrofits (Cree® CT6BB)	29.16	7.26
26 51 13 00-0375 Recessed LED Downlight Fixture Housings (CREE®) (26 51 13 00-0364)		
Note: Excludes lamp and trim.		



Electrical	26	26
Lighting	26 50	
Interior Lighting	26 51	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 13 00-0376	EA		6" Diameter, IC Rated, Architectural Recessed LED Downlight Fixture Housing (Cree® H6).....	76.34	31.13
26 51 13 00-0377	EA		6" Diameter, IC Rated, Retrofit Recessed LED Downlight Fixture Housing (Cree® RR6).....	59.04	31.13
26 51 13 00-0378			Can Retrofit Or Surface Mount, LED Downlights (26 51 13 00-0344)		
26 51 13 00-0379	EA		15 Watt, 6" Diameter, Can Retrofit Or Surface Mount, LED Downlight (Lighting Science® GLP6).....	94.77	28.46
26 51 13 00-0380	EA		7 Watt, 4" Diameter, Can Retrofit, LED Downlight (Green Creative 01-811-D).....	74.53	28.46
26 51 13 00-0381	EA		9.5 Watt, 6" Diameter, Can Retrofit, LED Downlight (Green Creative 01-808-D).....	74.53	28.46
26 51 13 00-0382	EA		8.9 Watt, 6" Diameter, Can Retrofit, LED Downlight (Lithonia 6BP).....	86.46	28.46
			<i>For Recessed IC/Non-IC Rated Housing For New Construction, Add</i>	33.85	
26 51 13 00-0383			Wall Mount LED Cylinder Downlight (26 51 13 00-0264)		
26 51 13 00-0384	EA		2,200 Lumens, 9" Diameter, Wall Mount LED Cylinder Downlight With Semi-Specular Trim (Gotham® EVO® CLED9).....	456.54	44.20
26 51 13 00-0385			Concealed Continuous LED Fixtures (26 51 13 00-0264)		
26 51 13 00-0386			Concealed Continuous LED Fixtures (Fraqtir™ S301) (26 51 13 00-0385)		
26 51 13 00-0387	LF		Fixed Surface Mount, Concealed Continuous LED Fixture With Remote Driver (Fraqtir™ S301).....	362.67	4.74
26 51 13 00-0388	LF		Fixed Surface Mount, Concealed Continuous LED Fixture With Remote Dimming Driver (Fraqtir™ S301).....	412.99	4.74
26 51 13 00-0389			LED Low Bay Fixtures (26 51 13 00-0264)		
26 51 13 00-0390			LED Linear Low Bay Fixtures (PlanLED) (26 51 13 00-0389)		
26 51 13 00-0391	EA		4' Length, 23 System Watts, LED Linear Low Bay Fixture (PlanLED A1W4).....	220.85	56.92
26 51 13 00-0392	EA		4' Length, 42 System Watts, LED Linear Low Bay Fixture (PlanLED A2W4A).....	285.95	56.92
26 51 13 00-0393	EA		8' Length, 84 System Watts, LED Linear Low Bay Fixture (PlanLED A2W5A).....	459.82	71.15
26 51 13 00-0394			LED Linear Low Bay Fixtures (CREE® CS) (26 51 13 00-0389)		
			Note: Includes 3,500 or 4,000K color temperature, 120/277 voltage and lightweight polymer housing assembly. Excludes sensors.		
26 51 13 00-0395	EA		4,000 Lumens, 4' Length, LED Linear Low Bay Fixture (Cree® CS14™).....	433.68	56.92
26 51 13 00-0396	EA		7,500 Lumens, 8' Length, LED Linear Low Bay Fixture (Cree® CS18™).....	540.16	71.15
26 51 13 00-0397	EA		8,000 Lumens, 8' Length, LED Linear Low Bay Fixture (Cree® CS18™).....	677.28	71.15
26 51 13 00-0398			LED Linear Low Bay Fixtures (Lithonia MSL) (26 51 13 00-0389)		
			Note: Includes 3,500K, 4,000K or 5,000K color temperature, 120/277 voltage and steel housing assembly. Excludes sensors.		
26 51 13 00-0399	EA		4,000 Lumens, 4' Length, LED Linear Low Bay Fixture (Lithonia MSL).....	525.10	56.92
26 51 13 00-0400			Wet/Hazardous Location, LED Fixtures (26 51 13 00-0264)		
26 51 13 00-0401			Wet Location, LED Fixtures (26 51 13 00-0400)		
26 51 13 00-0402			Wet Location, NEMA 4X, High Bay/Low Bay, LED Fixture (Cooper Champ® Pro PVM) (26 51 13 00-0401)		
			Note: Includes 5,600K CRI LED arrays, heat and impact resistant glass lens, silicone gaskets, stainless steel external hardware and powder coated aluminum housing.		
26 51 13 00-0403	EA		47 System Watts, 3,240 Lumens, Pendant Mount, Wet Location, NEMA 4X, High Bay/Low Bay, LED Fixture (Cooper Champ® Pro PVM3L).....	1,131.15	79.68
			<i>For Ceiling Mount, Add</i>	155.14	
			<i>For Quick Clip Mounting Option, Add</i>	19.46	
			<i>For Frosted Lens, Add</i>	41.85	
			<i>For Warm White Color Rendering, Add</i>	56.05	
			<i>For Stanchion Mount, Add</i>	207.46	
			<i>For Wall Mount, Add</i>	214.02	
			<i>For Polycarbonate Lens, Add</i>	80.69	
			<i>For Teflon Coated Lens, Add</i>	88.81	
			<i>For 347 Or 480 Volt AC, Add</i>	122.21	
26 51 13 00-0404	EA		63 System Watts, 3,778 Lumens, Pendant Mount, Wet Location, NEMA 4X, High Bay/Low Bay, LED Fixture (Cooper Champ® Pro PVM5L).....	1,185.45	85.38
			<i>For Ceiling Mount, Add</i>	155.14	
			<i>For Quick Clip Mounting Option, Add</i>	19.46	
			<i>For Frosted Lens, Add</i>	41.85	
			<i>For Warm White Color Rendering, Add</i>	56.05	
			<i>For Stanchion Mount, Add</i>	207.46	
			<i>For Wall Mount, Add</i>	214.02	
			<i>For Polycarbonate Lens, Add</i>	80.69	
			<i>For Teflon Coated Lens, Add</i>	88.81	
			<i>For 347 Or 480 Volt AC, Add</i>	122.21	

26	Electrical
26 50	Lighting
26 51	Interior Lighting



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 13 00-0405	EA	98 System Watts, 6,340 Lumens, Pendant Mount, Wet Location, NEMA 4X, High Bay/Low Bay, LED Fixture (Cooper Champ® Pro PVM7L).....	1,331.25	91.07
		<i>For Ceiling Mount, Add</i>	155.14	
		<i>For Quick Clip Mounting Option, Add</i>	19.46	
		<i>For Frosted Lens, Add</i>	41.85	
		<i>For Warm White Color Rendering, Add</i>	56.05	
		<i>For Stanchion Mount, Add</i>	207.46	
		<i>For Wall Mount, Add</i>	214.02	
		<i>For Polycarbonate Lens, Add</i>	80.69	
		<i>For Teflon Coated Lens, Add</i>	88.81	
		<i>For 347 Or 480 Volt AC, Add</i>	122.21	
26 51 13 00-0406	EA	98 System Watts, 6,340 Lumens, Pendant Mount, Wet Location, NEMA 4X, High Bay/Low Bay, LED Fixture (Cooper Champ® Pro PVM9L).....	1,638.36	96.76
		<i>For Ceiling Mount, Add</i>	155.14	
		<i>For Quick Clip Mounting Option, Add</i>	19.46	
		<i>For Frosted Lens, Add</i>	41.85	
		<i>For Warm White Color Rendering, Add</i>	56.05	
		<i>For Stanchion Mount, Add</i>	207.46	
		<i>For Wall Mount, Add</i>	214.02	
		<i>For Polycarbonate Lens, Add</i>	80.69	
		<i>For Teflon Coated Lens, Add</i>	88.81	
		<i>For 347 Or 480 Volt AC, Add</i>	122.21	
26 51 13 00-0407	EA	137 System Watts, 9,720 Lumens, Pendant Mount, Wet Location, NEMA 4X, High Bay/Low Bay, LED Fixture (Cooper Champ® Pro PVM11L).....	1,908.82	102.45
		<i>For Ceiling Mount, Add</i>	155.14	
		<i>For Quick Clip Mounting Option, Add</i>	19.46	
		<i>For Frosted Lens, Add</i>	41.85	
		<i>For Warm White Color Rendering, Add</i>	56.05	
		<i>For Stanchion Mount, Add</i>	207.46	
		<i>For Wall Mount, Add</i>	214.02	
		<i>For Polycarbonate Lens, Add</i>	80.69	
		<i>For Teflon Coated Lens, Add</i>	88.81	
		<i>For 347 Or 480 Volt AC, Add</i>	122.21	
26 51 13 00-0408		Wet Location, NEMA 4X, LED Floodlight (Cooper Champ® Pro PFM) <small>(26 51 13 00-0401)</small>		
		Note: Includes 5,600K CRI LED arrays, shatter resistant glass lens, silicone gaskets, stainless steel external hardware and powder coated aluminum housing.		
26 51 13 00-0409	EA	64 System Watts, 3,160 Lumens, Yoke Mount, Wet Location, NEMA 4X, LED Floodlight (Cooper Champ® Pro PFM5L).....	1,224.52	85.38
		<i>For Bolt-On Visor, Add</i>	30.60	
		<i>For Bolt-On Wire Guard, Add</i>	56.05	
		<i>For Factory Installed Fuse, Add</i>	78.83	
		<i>For 347 Or 480 Volt AC, Add</i>	122.21	
		<i>For Warm White Color Rendering, Add</i>	124.87	
26 51 13 00-0410	EA	94 System Watts, 4,740 Lumens, Yoke Mount, Wet Location, NEMA 4X, LED Floodlight (Cooper Champ® Pro PFM7L).....	1,513.87	91.07
		<i>For Bolt-On Visor, Add</i>	30.60	
		<i>For Bolt-On Wire Guard, Add</i>	56.05	
		<i>For Factory Installed Fuse, Add</i>	78.83	
		<i>For 347 Or 480 Volt AC, Add</i>	122.21	
		<i>For Warm White Color Rendering, Add</i>	124.87	
26 51 13 00-0411	EA	126 System Watts, 6,320 Lumens, Yoke Mount, Wet Location, NEMA 4X, LED Floodlight (Cooper Champ® Pro PFM9L).....	1,666.31	96.76
		<i>For Bolt-On Visor, Add</i>	30.60	
		<i>For Bolt-On Wire Guard, Add</i>	56.05	
		<i>For Factory Installed Fuse, Add</i>	78.83	
		<i>For 347 Or 480 Volt AC, Add</i>	122.21	
		<i>For Warm White Color Rendering, Add</i>	124.87	
26 51 13 00-0412	EA	188 System Watts, 9,481 Lumens, Yoke Mount, Wet Location, NEMA 4X, LED Floodlight (Cooper Champ® Pro PFM11L).....	1,906.33	102.45
		<i>For Bolt-On Visor, Add</i>	30.60	
		<i>For Bolt-On Wire Guard, Add</i>	56.05	
		<i>For Factory Installed Fuse, Add</i>	78.83	
		<i>For 347 Or 480 Volt AC, Add</i>	122.21	
		<i>For Warm White Color Rendering, Add</i>	124.87	
26 51 13 00-0413		Wet Location, NEMA 4X, Low Bay, LED Fixture (Cooper Vaporgard™ Pro P2L) <small>(26 51 13 00-0401)</small>		
		Note: Includes 5,600K CRI LED arrays, heat resistant glass lens, silicone gaskets, stainless steel external hardware and powder coated aluminum housing.		
26 51 13 00-0414	EA	25 System Watts, 1,400 Lumens, Pendant Mount, Wet Location, NEMA 4X, Low Bay, LED Fixture (Cooper Vaporgard™ Pro P2LC).....	736.89	79.68
		<i>For 12/24 Volt DC Driver, Add</i>	23.64	
		<i>For Frosted Lens, Add</i>	26.63	
		<i>For 55 Degree Ambient Suitability (AC Only), Add</i>	32.18	
		<i>For Warm White Color Rendering, Add</i>	37.67	
		<i>For Ceiling Mount, Add</i>	139.70	
		<i>For Wall Mount, Add</i>	163.05	
		<i>For Teflon Coated Lens, Add</i>	102.13	
		<i>For Wall Mount With Junction Box, Add</i>	197.12	
26 51 13 00-0415		Class I Division 2, Hazardous Location, LED Fixtures <small>(26 51 13 00-0400)</small>		



Electrical	26	26
Lighting	26 50	
Interior Lighting	26 51	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 13 00-0416 Class I Division 2, Hazardous Location, NEMA 4X, LED Floodlight (Cooper Champ® FMV) (26 51 13 00-0415) Note: Includes 5,600K CRI LED arrays, shatter resistant glass lens, silicone gaskets, stainless steel external hardware and powder coated aluminum housing.		
26 51 13 00-0417 EA 64 System Watts, 3,160 Lumens, Yoke Mount, Class I Division 2, Hazardous Location, NEMA 4X, LED Floodlight (Cooper Champ® FMV5L)	1,398.33	85.38
<i>For Bolt-On Visor, Add</i>	35.19	
<i>For Bolt-On Wire Guard, Add</i>	64.45	
<i>For Factory Installed Fuse, Add</i>	78.83	
<i>For 347 Or 480 Volt AC, Add</i>	122.21	
<i>For Warm White Color Rendering, Add</i>	124.87	
26 51 13 00-0418 EA 94 System Watts, 4,740 Lumens, Yoke Mount, Class I Division 2, Hazardous Location, NEMA 4X, LED Floodlight (Cooper Champ® FMV7L)	1,704.44	91.07
<i>For Bolt-On Visor, Add</i>	35.19	
<i>For Bolt-On Wire Guard, Add</i>	64.45	
<i>For Factory Installed Fuse, Add</i>	78.83	
<i>For 347 Or 480 Volt AC, Add</i>	122.21	
<i>For Warm White Color Rendering, Add</i>	124.87	
26 51 13 00-0419 EA 126 System Watts, 6,320 Lumens, Yoke Mount, Class I Division 2, Hazardous Location, NEMA 4X, LED Floodlight (Cooper Champ® FMV9L)	1,921.56	96.76
<i>For Bolt-On Visor, Add</i>	35.19	
<i>For Bolt-On Wire Guard, Add</i>	64.45	
<i>For Factory Installed Fuse, Add</i>	78.83	
<i>For 347 Or 480 Volt AC, Add</i>	122.21	
<i>For Warm White Color Rendering, Add</i>	124.87	
26 51 13 00-0420 EA 188 System Watts, 9,481 Lumens, Yoke Mount, Class I Division 2, Hazardous Location, NEMA 4X, LED Floodlight (Cooper Champ® FMV11L)	2,144.60	102.45
<i>For Bolt-On Visor, Add</i>	35.19	
<i>For Bolt-On Wire Guard, Add</i>	64.45	
<i>For Factory Installed Fuse, Add</i>	78.83	
<i>For 347 Or 480 Volt AC, Add</i>	122.21	
<i>For Warm White Color Rendering, Add</i>	124.87	
26 51 13 00-0421 Class I Division 2, Hazardous Location, NEMA 4X, LED Fixture (Cooper Vaporgard™ V2LC) (26 51 13 00-0415) Note: Includes 5,600K CRI LED arrays, heat resistant glass lens, silicone gaskets, stainless steel external hardware and powder coated aluminum housing.		
26 51 13 00-0422 EA 25 System Watts, 1,600 Lumens, Pendant Mount, Class I Division 2, Hazardous Location, NEMA 4X, LED Fixture (Cooper Vaporgard™ V2LC)	866.14	79.68
<i>For 12/24 Volt DC Driver, Add</i>	20.56	
<i>For Frosted Lens, Add</i>	23.16	
<i>For Warm White Color Temperature LEDs, Add</i>	27.98	
<i>For 55 Degree Ambient Suitability (AC Only) Option, Add</i>	32.75	
<i>For Stanchion Mount, Add</i>	144.21	
<i>For Ceiling Mount, Add</i>	161.41	
<i>For Wall Mount, Add</i>	185.92	
<i>For Teflon Coated Lens, Add</i>	88.81	
<i>For Wall Mount With Junction Box, Add</i>	221.71	
26 51 13 00-0423 Class I Division 2, Hazardous Location, NEMA 4X, LED Fixture (Cooper Champ® VMV) (26 51 13 00-0415) Note: Includes 5,600K CRI LED arrays, heat and impact resistant glass lens, silicone gaskets, stainless steel external hardware and powder coated aluminum housing.		
26 51 13 00-0424 EA 47 System Watts, 3,240 Lumens, Pendant Mount, Class I Division 2, Hazardous Location, NEMA 4X, LED Fixture (Cooper Champ® VMV3L)	1,279.97	79.68
<i>For Ceiling Mount, Add</i>	178.76	
<i>For Quick Clip Mounting Option, Add</i>	19.46	
<i>For Frosted Lens, Add</i>	48.13	
<i>For Warm White Color Rendering, Add</i>	56.05	
<i>For Polycarbonate Lens, Add</i>	80.69	
<i>For 347 Or 480 Volt AC, Add</i>	122.21	
26 51 13 00-0425 EA 63 System Watts, 3,778 Lumens, Pendant Mount, Class I Division 2, Hazardous Location, NEMA 4X, LED Fixture (Cooper Champ® VMV5L)	1,415.94	85.38
<i>For Ceiling Mount, Add</i>	178.76	
<i>For Quick Clip Mounting Option, Add</i>	19.46	
<i>For Frosted Lens, Add</i>	48.13	
<i>For Warm White Color Rendering, Add</i>	56.05	
<i>For Polycarbonate Lens, Add</i>	80.69	
<i>For 347 Or 480 Volt AC, Add</i>	122.21	
26 51 13 00-0426 EA 98 System Watts, 6,340 Lumens, Pendant Mount, Class I Division 2, Hazardous Location, NEMA 4X, LED Fixture (Cooper Champ® VMV7L)	1,690.54	91.07
<i>For Ceiling Mount, Add</i>	178.76	
<i>For Quick Clip Mounting Option, Add</i>	19.46	
<i>For Frosted Lens, Add</i>	48.13	
<i>For Warm White Color Rendering, Add</i>	56.05	
<i>For Polycarbonate Lens, Add</i>	80.69	
<i>For 347 Or 480 Volt AC, Add</i>	122.21	

26 Electrical**26 50 Lighting****26 51 Interior Lighting**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 13 00-0427 EA 98 System Watts, 6,340 Lumens, Pendant Mount, Class I Division 2, Hazardous Location, NEMA 4X, LED Fixture (Cooper Champ® VMV9L).....	2,049.15	96.76
For Ceiling Mount, Add	178.76	
For Quick Clip Mounting Option, Add	19.46	
For Frosted Lens, Add	48.13	
For Warm White Color Rendering, Add	56.05	
For Polycarbonate Lens, Add	80.69	
For 347 Or 480 Volt AC, Add	122.21	
26 51 13 00-0428 EA 137 System Watts, 9,720 Lumens, Pendant Mount, Class I Division 2, Hazardous Location, NEMA 4X, LED Fixture (Cooper Champ® VMV11L).....	2,305.30	102.45
For Ceiling Mount, Add	178.76	
For Quick Clip Mounting Option, Add	19.46	
For Frosted Lens, Add	48.13	
For Warm White Color Rendering, Add	56.05	
For Polycarbonate Lens, Add	80.69	
For 347 Or 480 Volt AC, Add	122.21	
26 51 13 00-0429 Class I Division 1, Explosion Proof, LED Fixtures (26 51 13 00-0400)		
26 51 13 00-0430 Class I Division 1, Explosion Proof, NEMA 4X, High Bay/Low Bay, LED Fixture (Cooper Hazard Gard® EVLL) (26 51 13 00-0429)		
Note: Includes 5,600K CRI LED arrays, shatter resistant and explosion proof glass lens, silicone gaskets, stainless steel external hardware and powder coated aluminum housing.		
26 51 13 00-0431 EA 80 System Watts, 5,625 Lumens, Pendant Mount, Class I Division 1, Explosion Proof, NEMA 4X, High Bay/Low Bay, LED Fixture (Cooper Hazard Gard® EVLL5L).....	1,841.24	85.38
For Wall Mount, Deduct	242.15	
For Warm Color Temperature LEDs, Add	53.38	
For Stainless Steel Guard, Add	325.31	
For Ceiling Mount, Add	338.44	
For Stanchion Mount, Add	382.07	
For Yoke Mount, Add	333.16	
26 51 13 00-0432 EA 100 System Watts, 6,750 Lumens, Pendant Mount, Class I Division 1, Explosion Proof, NEMA 4X, High Bay/Low Bay, LED Fixture (Cooper Hazard Gard® EVLL7L).....	2,230.27	91.07
For Wall Mount, Deduct	242.15	
For Warm Color Temperature LEDs, Add	53.38	
For Stainless Steel Guard, Add	325.31	
For Ceiling Mount, Add	338.44	
For Stanchion Mount, Add	382.07	
For Yoke Mount, Add	333.16	
26 51 13 00-0433 EA 130 System Watts, 9,000 Lumens, Pendant Mount, Class I Division 1, Explosion Proof, NEMA 4X, High Bay/Low Bay, LED Fixture (Cooper Hazard Gard® EVLL9L).....	2,584.83	96.76
For Wall Mount, Deduct	242.15	
For Warm Color Temperature LEDs, Add	53.38	
For Stainless Steel Guard, Add	325.31	
For Ceiling Mount, Add	338.44	
For Stanchion Mount, Add	382.07	
For Yoke Mount, Add	333.16	
26 51 13 00-0434 EA 151 System Watts, 10,500 Lumens, Pendant Mount, Class I Division 1, Explosion Proof, NEMA 4X, High Bay/Low Bay, LED Fixture (Cooper Hazard Gard® EVLL11L).....	2,945.83	102.45
For Wall Mount, Deduct	242.15	
For Warm Color Temperature LEDs, Add	53.38	
For Stainless Steel Guard, Add	325.31	
For Ceiling Mount, Add	338.44	
For Stanchion Mount, Add	382.07	
For Yoke Mount, Add	333.16	
26 51 13 00-0435 EA 175 System Watts, 13,500 Lumens, Pendant Mount, Class I Division 1, Explosion Proof, NEMA 4X, High Bay/Low Bay, LED Fixture (Cooper Hazard Gard® EVLL13L).....	3,406.18	98.65
For Wall Mount, Deduct	242.15	
For Warm Color Temperature LEDs, Add	53.38	
For Stainless Steel Guard, Add	325.31	
For Ceiling Mount, Add	338.44	
For Stanchion Mount, Add	382.07	
For Yoke Mount, Add	333.16	
26 51 13 00-0436 Refrigeration/Display LED Fixtures (26 51 13 00-0264)		
26 51 13 00-0437 Refrigeration/Display LED Fixtures (Lithonia) (26 51 13 00-0436)		
Note: Fixtures exclude driver.		
26 51 13 00-0438 EA 5' Length, Center Mount, Refrigeration/Display, Vertical LED Fixture (Lithonia FSV5 CM DLC).....	275.03	44.20
26 51 13 00-0439 EA 5' Length, Left And Right Mount (Pair), Refrigeration/Display, Vertical LED Fixture (Lithonia FSVDRVL RLEM DLC).....	356.01	78.26
26 51 13 00-0440 EA Up To 5 Door Configuration, LED Driver For Refrigeration/Display, Vertical LED Fixtures (Lithonia FSVDRVL).....	345.32	62.61
26 51 13 00-0441 Recessed Fixtures (26 51 13)		
Note: Housing and trim priced separately.		
26 51 13 00-0442 Recessed Fixture Housings (26 51 13 00-0441)		
Note: Lamps included in all prices. The housing insulation must be 3" from housing. ICT may be covered with insulation. Remodel housing may be installed from below ceiling. ICAT housing is air tight. Demo cost of housing includes demo of any fixture trim.		
26 51 13 00-0443 Compact Fluorescent, Recessed Fixture Housings (26 51 13 00-0442)		



Electrical	26	26
Lighting	26 50	
Interior Lighting	26 51	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51	13 00-0444	EA	4" Round, Compact Fluorescent, T Or ICT Recessed Fixture Housing <i>For ICAT Housing, Add</i>	92.67 6.20	29.67
26 51	13 00-0445	EA	5" Round, Compact Fluorescent, T Or ICT Recessed Fixture Housing <i>For ICAT Housing, Add</i>	94.76 6.47	29.67
26 51	13 00-0446	EA	6" Round, Compact Fluorescent, T Or ICT Recessed Fixture Housing <i>For ICAT Housing, Add</i>	98.51 6.68	31.13
26 51	13 00-0447	EA	7" Round, Compact Fluorescent, T Or ICT Recessed Fixture Housing <i>For ICAT Housing, Add</i>	101.72 6.83	32.48
26 51	13 00-0448	EA	8" Round, Compact Fluorescent, T Or ICT Recessed Fixture Housing <i>For ICAT Housing, Add</i>	105.26 7.02	33.82
26 51	13 00-0449	EA	10" To 12" Round, Compact Fluorescent, T Or ICT Recessed Fixture Housing <i>For ICAT Housing, Add</i>	109.19 7.12	35.90
26 51	13 00-0450		Fluorescent, Recessed Fixture Housings <small>(26 51 13 00-0442)</small>		
26 51	13 00-0451	EA	4" Round, Fluorescent, T Or ICT Recessed Fixture Housing <i>For ICAT Housing, Add</i>	83.55 5.02	29.67
26 51	13 00-0452	EA	5" Round, Fluorescent, T Or ICT Recessed Fixture Housing <i>For ICAT Housing, Add</i>	85.67 5.30	29.67
26 51	13 00-0453	EA	6" Round, Fluorescent, T Or ICT Recessed Fixture Housing <i>For ICAT Housing, Add</i>	89.35 5.50	31.03
26 51	13 00-0454	EA	7" Round, Fluorescent, T Or ICT Recessed Fixture Housing <i>For ICAT Housing, Add</i>	93.76 5.80	32.17
26 51	13 00-0455	EA	8" Round, Fluorescent, T Or ICT Recessed Fixture Housing <i>For ICAT Housing, Add</i>	97.73 6.05	33.82
26 51	13 00-0456	EA	10" To 12" Square, Fluorescent, T Or ICT Recessed Fixture Housing <i>For ICAT Housing, Add</i>	101.82 6.17	35.90
26 51	13 00-0457		High Pressure Sodium, Recessed Fixture Housings <small>(26 51 13 00-0442)</small>		
26 51	13 00-0458	EA	4" Round, High Pressure Sodium, T Or ICT Recessed Fixture Housing <i>For ICAT Housing, Add</i>	95.68 6.59	29.88
26 51	13 00-0459	EA	5" Round, High Pressure Sodium, T Or ICT Recessed Fixture Housing <i>For ICAT Housing, Add</i>	99.09 7.03	29.88
26 51	13 00-0460	EA	6" Round, High Pressure Sodium, T Or ICT Recessed Fixture Housing <i>For ICAT Housing, Add</i>	104.00 7.39	31.13
26 51	13 00-0461	EA	7" Round, High Pressure Sodium, T Or ICT Recessed Fixture Housing <i>For ICAT Housing, Add</i>	107.94 7.63	32.48
26 51	13 00-0462	EA	8" Round, High Pressure Sodium, T Or ICT Recessed Fixture Housing <i>For ICAT Housing, Add</i>	111.84 7.87	33.82
26 51	13 00-0463	EA	10" To 12" Square, High Pressure Sodium, T Or ICT Recessed Fixture Housing <i>For ICAT Housing, Add</i>	115.87 7.99	35.90
26 51	13 00-0464		Incandescent, Recessed Fixture Housings <small>(26 51 13 00-0442)</small>		
26 51	13 00-0465	EA	4" Round, Incandescent, T Or ICT Recessed Fixture Housing <i>For ICAT Housing, Add</i>	59.66 1.94	29.67
26 51	13 00-0466	EA	5" Round, Incandescent, T Or ICT Recessed Fixture Housing <i>For ICAT Housing, Add</i>	59.66 1.94	29.67
26 51	13 00-0467	EA	6" Round, Incandescent, T Or ICT Recessed Fixture Housing <i>For ICAT Housing, Add</i>	63.03 2.11	31.13
26 51	13 00-0468	EA	7" Round, Incandescent, T Or ICT Recessed Fixture Housing <i>For ICAT Housing, Add</i>	66.49 2.29	32.48
26 51	13 00-0469	EA	8" Round, Incandescent, T Or ICT Recessed Fixture Housing <i>For ICAT Housing, Add</i>	69.95 2.47	33.82
26 51	13 00-0470	EA	10" To 12" Square, Incandescent, T Or ICT Recessed Fixture Housing <i>For ICAT Housing, Add</i>	72.27 2.36	35.90
26 51	13 00-0471		Recessed Fixture Trim <small>(26 51 13 00-0441)</small>		
26 51	13 00-0472	EA	Circular, Recessed Fixture Trim	40.40	14.53
26 51	13 00-0473	EA	Circular Clear Lens, Recessed Fixture Trim	43.81	14.53
26 51	13 00-0474	EA	Open/Baffle, Recessed Fixture Trim	49.72	14.53
26 51	13 00-0475	EA	Specular Reflector, Recessed Fixture Trim	52.85	14.53
26 51	13 00-0476	EA	Eyeball, Recessed Fixture Trim	43.86	14.53
26 51	13 00-0477	EA	10" To 12" Square, Clear Lens, Recessed Fixture Trim	42.03	14.53
26 51	13 00-0478	EA	10" To 12" Square, Drop Dish, Recessed Fixture Trim	44.13	14.53
26 51	13 00-0479		Ceiling Mounted Fixtures <small>(26 51 13)</small>		
26 51	13 00-0480		Ceiling Mounted, Compact Fluorescent/Incandescent Fixtures <small>(26 51 13 00-0479)</small>		
26 51	13 00-0481		Glass Globe, Compact Fluorescent/Incandescent Fixtures <small>(26 51 13 00-0480)</small>		
26 51	13 00-0482	EA	6" Diameter, Ceiling Mounted, Glass Globe, Compact Fluorescent/Incandescent Fixture	98.88	41.50
26 51	13 00-0483	EA	9" Diameter, Ceiling Mounted, Mushroom Style Glass Globe, Compact Fluorescent/Incandescent Fixture	111.41	41.50
26 51	13 00-0484		Ceiling Mounted, Circline Fluorescent Fixtures <small>(26 51 13 00-0479)</small>		
26 51	13 00-0485		Exposed Lamps, Circline Fluorescent Fixtures <small>(26 51 13 00-0484)</small>		
26 51	13 00-0486	EA	8-1/2" Diameter, Ceiling Mounted, Exposed Lamps, Circline Fluorescent Fixture	89.33	41.50
26 51	13 00-0487	EA	12" Diameter, Ceiling Mounted, Exposed Lamps, Circline Fluorescent Fixture	95.42	41.50



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT UNIT COST DEMOLITION UNIT COST

26 51 13 00-0488	Low Profile Acrylic Diffuser, Circline Fluorescent Fixtures <small>(26 51 13 00-0484)</small>		
26 51 13 00-0489	EA 11" Diameter, Ceiling Mounted, Low Profile Acrylic Diffuser, Circline Fluorescent Fixture	115.49	41.50
26 51 13 00-0490	EA 14" Diameter, Ceiling Mounted, Low Profile Acrylic Diffuser, Circline Fluorescent Fixture	149.98	41.50
26 51 13 00-0491	EA 19" Diameter, Ceiling Mounted, Low Profile Acrylic Diffuser, Circline Fluorescent Fixture	173.87	41.50
26 51 13 00-0492	EA 12" Square, Ceiling Mounted, Low Profile Acrylic Diffuser, Circline Fluorescent Fixture	126.66	41.50
26 51 13 00-0493	EA 15" Square, Ceiling Mounted, Low Profile Acrylic Diffuser, Circline Fluorescent Fixture	150.68	41.50
26 51 13 00-0494	EA 19" Square, Ceiling Mounted, Low Profile Acrylic Diffuser, Circline Fluorescent Fixture	173.87	41.50
26 51 13 00-0495	Ceiling Mounted, Double Twin Tube Compact Fluorescent Fixtures <small>(26 51 13 00-0479)</small>		
26 51 13 00-0496	Low Profile Acrylic Diffuser, Double Twin Tube Compact Fluorescent Fixtures <small>(26 51 13 00-0495)</small>		
26 51 13 00-0497	EA 11" Diameter, Ceiling Mounted, Low Profile Acrylic Diffuser, Double Twin Tube Compact Fluorescent Fixture.....	118.14	41.50
26 51 13 00-0498	EA 14" Diameter, Ceiling Mounted, Low Profile Acrylic Diffuser, Double Twin Tube Compact Fluorescent Fixture.....	141.77	41.50
26 51 13 00-0499	EA 19" Diameter, Ceiling Mounted, Low Profile Acrylic Diffuser, Double Twin Tube Compact Fluorescent Fixture.....	163.24	41.50
26 51 13 00-0500	EA 12" Square, Ceiling Mounted, Low Profile Acrylic Diffuser, Double Twin Tube Compact Fluorescent Fixture.....	100.46	41.50
26 51 13 00-0501	EA 15" Square, Ceiling Mounted, Low Profile Acrylic Diffuser, Double Twin Tube Compact Fluorescent Fixture.....	113.62	41.50
26 51 13 00-0502	EA 19" Square, Ceiling Mounted, Low Profile Acrylic Diffuser, Double Twin Tube Compact Fluorescent Fixture.....	138.55	41.50
26 51 13 00-0503	Pendant Mounted, Compact Fluorescent/Incandescent Downlights <small>(26 51 13 00-0479)</small>		
26 51 13 00-0504	Pendant Mounted, Compact Fluorescent/Incandescent Open Reflector Downlights <small>(26 51 13 00-0503)</small>		
26 51 13 00-0505	EA 6" Diameter, Pendant Mounted, Open Reflector Compact Fluorescent/Incandescent Downlight.....	158.66	34.09
26 51 13 00-0506	Pendant Mounted, Compact Fluorescent/Incandescent Downlights With Baffle <small>(26 51 13 00-0503)</small>		
26 51 13 00-0507	EA 6" Diameter, Pendant Mounted, Compact Fluorescent/Incandescent Downlight With Baffle.....	177.73	34.09
26 51 13 00-0508	EA 8" Diameter, Pendant Mounted, Compact Fluorescent/Incandescent Downlight With Baffle.....	239.26	34.09
26 51 13 00-0509	Pendant Mounted, Horizontal Indirect Fluorescent Fixtures <small>(26 51 13 00-0479)</small>		
26 51 13 00-0510	EA 1 T5HO Lamp, 4' Length, Pendant Mounted, Horizontal Indirect Fluorescent Fixture	175.67	34.09
26 51 13 00-0511	EA 2 T5HO Lamps, 4' Length, Pendant Mounted, Horizontal Indirect Fluorescent Fixture	187.66	34.09
26 51 13 00-0512	EA 3 T5HO Lamps, 4' Length, Pendant Mounted, Horizontal Indirect Fluorescent Fixture	222.21	34.09
26 51 13 00-0513	EA 2 T5HO Lamps, 8' Length, Pendant Mounted, Horizontal Indirect Fluorescent Fixture	227.66	34.09
26 51 13 00-0514	EA 4 T5HO Lamps, 8' Length, Pendant Mounted, Horizontal Indirect Fluorescent Fixture	272.15	34.09
26 51 13 00-0515	EA 6 T5HO Lamps, 8' Length, Pendant Mounted, Horizontal Indirect Fluorescent Fixture	323.83	34.09
26 51 13 00-0516	Finelite Fluorescent Fixtures <small>(26 51 13 00-0479)</small>		
26 51 13 00-0517	Pendant Mounted, Fluorescent Downlight Fixtures (Finelite Series 10) <small>(26 51 13 00-0516)</small>		
26 51 13 00-0518	EA 1 T8 Lamp, 1 Lamp Wide Cross Section, 4' Length, Pendant Mounted, Fluorescent Downlight Fixture (Finelite Series 10).....	287.65	48.36
26 51 13 00-0519	EA 2 T8 Lamps, 2 Lamp Wide Cross Section, 4' Length, Pendant Mounted, Fluorescent Downlight Fixture (Finelite Series 10).....	287.99	48.36
26 51 13 00-0520	EA 3 T8 Lamps, 3 Lamp Wide Cross Section, 4' Length, Pendant Mounted, Fluorescent Downlight Fixture (Finelite Series 10).....	310.56	48.36
26 51 13 00-0521	EA 1 T5HO Lamp, 1 Lamp Wide Cross Section, 4' Length, Pendant Mounted, Fluorescent Downlight Fixture (Finelite Series 10).....	342.03	48.36
26 51 13 00-0522	EA 2 T5HO Lamps, 2 Lamp Wide Cross Section, 4' Length, Pendant Mounted, Fluorescent Downlight Fixture (Finelite Series 10).....	374.53	48.36
26 51 13 00-0523	EA 3 T5HO Lamps, 3 Lamp Wide Cross Section, 4' Length, Pendant Mounted, Fluorescent Downlight Fixture (Finelite Series 10).....	455.92	48.36
26 51 13 00-0524	EA 2 T8 Lamps, 1 Lamp Wide Cross Section, 8' Length, Pendant Mounted, Fluorescent Downlight Fixture (Finelite Series 10).....	401.17	50.43
26 51 13 00-0525	EA 4 T8 Lamps, 2 Lamp Wide Cross Section, 8' Length, Pendant Mounted, Fluorescent Downlight Fixture (Finelite Series 10).....	415.19	50.43
26 51 13 00-0526	EA 6 T8 Lamps, 3 Lamp Wide Cross Section, 8' Length, Pendant Mounted, Fluorescent Downlight Fixture (Finelite Series 10).....	460.31	50.43
26 51 13 00-0527	EA 2 T5HO Lamps, 1 Lamp Wide Cross Section, 8' Length, Pendant Mounted, Fluorescent Downlight Fixture (Finelite Series 10).....	438.82	50.43
26 51 13 00-0528	EA 4 T5HO Lamps, 2 Lamp Wide Cross Section, 8' Length, Pendant Mounted, Fluorescent Downlight Fixture (Finelite Series 10).....	548.26	50.43
26 51 13 00-0529	EA 6 T5HO Lamps, 3 Lamp Wide Cross Section, 8' Length, Pendant Mounted, Fluorescent Downlight Fixture (Finelite Series 10).....	644.37	50.43
26 51 13 00-0530	EA 3 T8 Lamps, 1 Lamp Wide Cross Section, 12' Length, Pendant Mounted, Fluorescent Downlight Fixture (Finelite Series 10).....	523.58	52.50
26 51 13 00-0531	EA 6 T8 Lamps, 2 Lamp Wide Cross Section, 12' Length, Pendant Mounted, Fluorescent Downlight Fixture (Finelite Series 10).....	546.83	52.50
26 51 13 00-0532	EA 9 T8 Lamps, 3 Lamp Wide Cross Section, 12' Length, Pendant Mounted, Fluorescent Downlight Fixture (Finelite Series 10).....	605.64	52.50
26 51 13 00-0533	EA 3 T5HO Lamps, 1 Lamp Wide Cross Section, 12' Length, Pendant Mounted, Fluorescent Downlight Fixture (Finelite Series 10).....	602.28	52.50



Electrical	26	26
Lighting	26 50	
Interior Lighting	26 51	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 13 00-0534 EA 6 T5HO Lamps, 2 Lamp Wide Cross Section, 12' Length, Pendant Mounted, Fluorescent Downlight Fixture (Finelite Series 10)	744.22	52.50
26 51 13 00-0535 EA 9 T5HO Lamps, 3 Lamp Wide Cross Section, 12' Length, Pendant Mounted, Fluorescent Downlight Fixture (Finelite Series 10)	890.62	52.50
26 51 13 00-0536 Pendant Mounted, Fluorescent Wallwash Fixtures (Finelite Series X2-O) <small>(26 51 13 00-0516)</small>		
26 51 13 00-0537 EA 1 T8 Lamp, 1 Lamp Wide Cross Section, 4' Length, Pendant Mounted, Fluorescent Wallwash Fixture (Finelite Series X2-O).....	270.66	48.36
26 51 13 00-0538 EA 1 T5 Lamp, 1 Lamp Wide Cross Section, 4' Length, Pendant Mounted, Fluorescent Wallwash Fixture (Finelite Series X2-O).....	290.60	48.36
26 51 13 00-0539 EA 1 T5HO Lamp, 1 Lamp Wide Cross Section, 4' Length, Pendant Mounted, Fluorescent Wallwash Fixture (Finelite Series X2-O).....	292.71	48.36
26 51 13 00-0540 EA 2 T8 Lamps, 1 Lamp Wide Cross Section, 8' Length, Pendant Mounted, Fluorescent Wallwash Fixture (Finelite Series X2-O).....	385.52	50.43
26 51 13 00-0541 EA 2 T5 Lamps, 1 Lamp Wide Cross Section, 8' Length, Pendant Mounted, Fluorescent Wallwash Fixture (Finelite Series X2-O).....	407.39	50.43
26 51 13 00-0542 EA 2 T5HO Lamps, 1 Lamp Wide Cross Section, 8' Length, Pendant Mounted, Fluorescent Wallwash Fixture (Finelite Series X2-O).....	411.62	50.43
26 51 13 00-0543 EA 3 T8 Lamps, 1 Lamp Wide Cross Section, 12' Length, Pendant Mounted, Fluorescent Wallwash Fixture (Finelite Series X2-O).....	500.39	52.50
26 51 13 00-0544 EA 3 T5 Lamps, 1 Lamp Wide Cross Section, 12' Length, Pendant Mounted, Fluorescent Wallwash Fixture (Finelite Series X2-O).....	560.19	52.50
26 51 13 00-0545 EA 3 T5HO Lamps, 1 Lamp Wide Cross Section, 12' Length, Pendant Mounted, Fluorescent Wallwash Fixture (Finelite Series X2-O).....	566.54	52.50
26 51 13 00-0546 Pendant Mounted, Fluorescent Indirect Fixtures (Finelite Series 8) <small>(26 51 13 00-0516)</small>		
26 51 13 00-0547 EA 1 T8 Lamp, 1 Lamp Wide Cross Section, 4' Length, Pendant Mounted, Fluorescent Indirect Fixture (Finelite Series 8-I).....	214.16	48.36
26 51 13 00-0548 EA 2 T8 Lamps, 2 Lamp Wide Cross Section, 4' Length, Pendant Mounted, Fluorescent Indirect Fixture (Finelite Series 8-I).....	225.85	48.36
26 51 13 00-0549 EA 3 T8 Lamps, 3 Lamp Wide Cross Section, 4' Length, Pendant Mounted, Fluorescent Indirect Fixture (Finelite Series 8-I).....	262.84	48.36
26 51 13 00-0550 EA 2 T8 Lamps, 1 Lamp Wide Cross Section, 8' Length, Pendant Mounted, Fluorescent Indirect Fixture (Finelite Series 8-I).....	272.77	50.43
26 51 13 00-0551 EA 4 T8 Lamps, 2 Lamp Wide Cross Section, 8' Length, Pendant Mounted, Fluorescent Indirect Fixture (Finelite Series 8-I).....	319.15	50.43
26 51 13 00-0552 EA 6 T8 Lamps, 3 Lamp Wide Cross Section, 8' Length, Pendant Mounted, Fluorescent Indirect Fixture (Finelite Series 8-I).....	373.57	50.43
26 51 13 00-0553 EA 3 T8 Lamps, 1 Lamp Wide Cross Section, 12' Length, Pendant Mounted, Fluorescent Indirect Fixture (Finelite Series 8-I).....	365.89	52.50
26 51 13 00-0554 EA 6 T8 Lamps, 2 Lamp Wide Cross Section, 12' Length, Pendant Mounted, Fluorescent Indirect Fixture (Finelite Series 8-I).....	444.65	52.50
26 51 13 00-0555 EA 9 T8 Lamps, 3 Lamp Wide Cross Section, 12' Length, Pendant Mounted, Fluorescent Indirect Fixture (Finelite Series 8-I).....	528.02	52.50
26 51 13 00-0556 Track Lighting <small>(26 51 13)</small>		
26 51 13 00-0557 Track Lighting Tracks <small>(26 51 13 00-0556)</small>		
26 51 13 00-0558 LF 1 Circuit Track Lighting Track	24.34	6.85
26 51 13 00-0559 LF 2 Circuit Track Lighting Track	31.95	6.85
26 51 13 00-0560 LF 3 Circuit Track Lighting Track	38.42	6.85
26 51 13 00-0561 LF 4 Circuit Track Lighting Track	44.90	8.30
26 51 13 00-0562 Track Lighting Fixtures <small>(26 51 13 00-0556)</small>		
26 51 13 00-0563 Compact Fluorescent Track Lighting Fixtures <small>(26 51 13 00-0562)</small>		
26 51 13 00-0564 EA Compact Fluorescent Track Lighting Fixture	58.12	17.33
26 51 13 00-0565 Fluorescent Track Lighting Fixtures <small>(26 51 13 00-0562)</small>		
26 51 13 00-0566 EA 2L 18W BX Track Fixture, Electronic Ballast Note: White or Black Finish, 120V.	264.61	17.33
26 51 13 00-0567 EA 2L 39W BX Track Fixture, Electronic Ballast Note: White or Black Finish, 120V.	276.65	17.33
26 51 13 00-0568 EA 2L 40W BX Track Fixture, Electronic Ballast Note: White or Black Finish, 120V.	284.17	17.33
26 51 13 00-0569 EA 2L 50W BX Track Fixture, Electronic Ballast Note: White or Black Finish, 120V.	251.64	17.33
26 51 13 00-0570 EA 2L, 55 Watt BX Track Fixture, Electronic Ballast Note: White or Black Finish, 120V.	320.86	17.33
26 51 13 00-0571 Metal Halide Track Lighting Fixtures <small>(26 51 13 00-0562)</small>		
26 51 13 00-0572 EA Metal Halide Track Lighting Fixture	60.89	17.33
26 51 13 00-0573 Incandescent Track Lighting Fixtures <small>(26 51 13 00-0562)</small>		
26 51 13 00-0574 EA Incandescent Track Lighting Fixture	51.24	17.33

26	Electrical
26 50	Lighting
26 51	Interior Lighting



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 13 00-0575 EA Par 20 Track Fixture, White Or Black Finish, 120 Volt.....	65.24	17.33
26 51 13 00-0576 EA Par 30 Track Fixture, White Or Black Finish, 120 Volt.....	95.59	17.33
26 51 13 00-0577 EA Par 38 Track Fixture, White Or Black Finish, 120 Volt.....	98.60	17.33
26 51 13 00-0578 EA PAR 16, Baffled Cylinder Track Fixture, White or Black Finish, 120 Volt.....	78.98	17.33
26 51 13 00-0579 EA PAR 20, Baffled Cylinder Track Fixture, White or Black Finish, 120 Volt.....	65.24	17.33
26 51 13 00-0580 EA PAR 30, Baffled Cylinder Track Fixture, White or Black Finish.....	77.54	17.33
Note: 120V.		
26 51 13 00-0581 EA PAR 38, Baffled Cylinder Track Fixture, White or Black Finish, 120 Volt.....	101.61	17.33
26 51 13 00-0582 LED Track Lighting Fixtures (26 51 13 00-0562)		
26 51 13 00-0583 EA 19 Watt, Dimmable, LED Track Lighting Fixture (Juno® TRAC-MASTER® Cylindra™).....	212.61	17.33
26 51 13 00-0584 EA 18 Watt, Dimmable, LED Track Lighting Fixture (HALO® Stasis L805MED).....	375.16	17.33
26 51 13 00-0585 EA 24 Watt, Dimmable, LED Track Lighting Fixture (Amerlux CNTRV33).....	218.78	17.33
26 51 13 00-0586 Track Lighting Accessories (26 51 13 00-0556)		
26 51 13 00-0587 Pendant Mounting (26 51 13 00-0586)		
26 51 13 00-0588 EA Track Lighting Pendant Mounting, Up to 12".....	25.72	
26 51 13 00-0589 EA Track Lighting Pendant Mounting, >12" To 24".....	33.54	
26 51 13 00-0590 EA Track Lighting Pendant Mounting, >24" To 36".....	41.04	
26 51 13 00-0591 Wet Location, Dust Resistant, Vapor Tight Fixtures (26 51 13)		
26 51 13 00-0592 Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixtures (26 51 13 00-0591)		
26 51 13 00-0593 Incandescent, Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixtures (26 51 13 00-0592)		
26 51 13 00-0594 EA 100 Watt Incandescent, Ceiling Mounted, Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixture.....	130.09	41.50
For Wall Mounted, Add	5.10	
26 51 13 00-0595 EA 200 Watt Incandescent, Ceiling Mounted, Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixture.....	151.51	41.50
For Wall Mounted, Add	5.10	
26 51 13 00-0596 Compact Fluorescent, Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixtures (26 51 13 00-0592)		
26 51 13 00-0597 EA 13 Watt Compact Fluorescent, Ceiling Mounted, Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixture.....	141.14	41.50
For Wall Mounted, Add	6.02	
26 51 13 00-0598 EA 22 Watt Compact Fluorescent, Ceiling Mounted, Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixture.....	145.35	41.50
For Wall Mounted, Add	6.02	
26 51 13 00-0599 EA 28 Watt Compact Fluorescent, Ceiling Mounted, Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixture.....	155.77	41.50
For Wall Mounted, Add	6.02	
26 51 13 00-0600 Metal Halide, Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixtures (26 51 13 00-0592)		
26 51 13 00-0601 EA 75 Watt Metal Halide, Ceiling Mounted, Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixture.....	177.78	41.50
For Wall Mounted, Add	6.30	
26 51 13 00-0602 EA 100 Watt Metal Halide, Ceiling Mounted, Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixture.....	183.69	41.50
For Wall Mounted, Add	6.30	
26 51 13 00-0603 EA 150 Watt Metal Halide, Ceiling Mounted, Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixture.....	195.69	41.50
For Wall Mounted, Add	6.30	
26 51 13 00-0604 EA 175 Watt Metal Halide, Ceiling Mounted, Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixture.....	213.74	41.50
For Wall Mounted, Add	6.30	
26 51 13 00-0605 High Pressure Sodium, Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixtures (26 51 13 00-0592)		
26 51 13 00-0606 EA 70 Watt High Pressure Sodium, Ceiling Mounted, Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixture.....	163.72	41.50
For Wall Mounted, Add	6.67	
26 51 13 00-0607 EA 100 Watt High Pressure Sodium, Ceiling Mounted, Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixture.....	171.06	41.50
For Wall Mounted, Add	6.67	
26 51 13 00-0608 EA 150 Watt High Pressure Sodium, Ceiling Mounted, Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixture.....	199.43	41.50
For Wall Mounted, Add	6.67	
26 51 13 00-0609 Enclosed And Gasketed, Industrial Fluorescent Fixtures (26 51 13 00-0591)		
26 51 13 00-0610 4' Length, Enclosed And Gasketed, Industrial Fluorescent Fixtures (26 51 13 00-0609)		
26 51 13 00-0611 4' Length, Enclosed And Gasketed, Industrial Fluorescent Fixtures (Lithonia DMW) (26 51 13 00-0610)		
Note: Includes high impact acrylic molded lens.		
26 51 13 00-0612 EA 1 T8 Lamp, 4' Length, Enclosed And Gasketed, Industrial Fluorescent Fixture (Lithonia DMW).....	175.13	44.20
For T5 Fixture Instead Of T8, Add	12.45	
26 51 13 00-0613 EA 2 T8 Lamps, 4' Length, Enclosed And Gasketed, Industrial Fluorescent Fixture (Lithonia DMW).....	183.42	44.20
For T5 Fixture Instead Of T8, Add	13.40	



Electrical	26	26
Lighting	26 50	
Interior Lighting	26 51	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 13 00-0614 EA 3 T8 Lamps, 4' Length, Enclosed And Gasketed, Industrial Fluorescent Fixture (Lithonia DMW).....	271.40	44.20
<i>For T5 Fixture Instead Of T8, Add</i>	23.47	
26 51 13 00-0615 EA 1 T8HO Lamp, 4' Length, Enclosed And Gasketed, Industrial Fluorescent Fixture (Lithonia DMW)	235.62	44.20
26 51 13 00-0616 EA 2 T8HO Lamps, 4' Length, Enclosed And Gasketed, Industrial Fluorescent Fixture (Lithonia DMW).....	362.69	44.20
26 51 13 00-0617 4' Length, Enclosed And Gasketed, Industrial Fluorescent Fixtures (Day-Brite V2W) ^(26 51 13 00-0610)		
Note: Includes high impact acrylic molded lens.		
26 51 13 00-0618 EA 1 T8 Lamp, 4' Length, Enclosed And Gasketed, Industrial Fluorescent Fixture (Day-Brite V2W).....	209.53	44.20
26 51 13 00-0619 EA 2 T8 Lamp, 4' Length, Enclosed And Gasketed, Industrial Fluorescent Fixture (Day-Brite V2W).....	212.89	44.20
26 51 13 00-0620 EA 3 T8 Lamp, 4' Length, Enclosed And Gasketed, Industrial Fluorescent Fixture (Day-Brite V2W).....	299.64	44.20
26 51 13 00-0621 EA 1 T8HO Lamp, 4' Length, Enclosed And Gasketed, Industrial Fluorescent Fixture (Day-Brite V2W)	249.21	44.20
26 51 13 00-0622 EA 2 T8HO Lamp, 4' Length, Enclosed And Gasketed, Industrial Fluorescent Fixture (Day-Brite V2W)	259.45	44.20
26 51 13 00-0623 8' Length, Enclosed And Gasketed, Industrial Fluorescent Fixtures ^(26 51 13 00-0609)		
Note: Includes high impact acrylic molded lens.		
26 51 13 00-0624 8' Length, Enclosed And Gasketed, Industrial Fluorescent Fixtures (Lithonia TDMW) ^(26 51 13 00-0623)		
Note: Includes high impact acrylic molded lens.		
26 51 13 00-0625 EA 2 T8 Lamps, 8' Length, Enclosed And Gasketed, Industrial Fluorescent Fixture (Lithonia TDMW).....	316.28	60.04
<i>For T5 Fixture Instead Of T8, Add</i>	25.90	
26 51 13 00-0626 EA 4 T8 Lamps, 8' Length, Enclosed And Gasketed, Industrial Fluorescent Fixture (Lithonia TDMW).....	329.87	60.04
<i>For T5 Fixture Instead Of T8, Add</i>	27.45	
26 51 13 00-0627 Large Interior Area Fixtures ^(26 51 13)		
26 51 13 00-0628 Recessed Mounted, Large Interior Area Fixtures ^(26 51 13 00-0627)		
Note: Cast aluminum socket housing, anodized aluminum reflector, tempered glass or acrylic lens, plaster mounting frames and brackets.		
26 51 13 00-0629 High Pressure Sodium, Recessed Mounted, Large Interior Area Fixtures ^(26 51 13 00-0628)		
26 51 13 00-0630 EA 150 Watt High Pressure Sodium, Recessed Mounted, Large Interior Area Fixture	294.71	110.61
<i>For Wire Guard, Add</i>	40.50	
<i>For Instant Quartz Restrike, Add</i>	60.00	
26 51 13 00-0631 EA 250 Watt High Pressure Sodium, Recessed Mounted, Large Interior Area Fixture	308.50	117.46
<i>For Wire Guard, Add</i>	40.50	
<i>For Instant Quartz Restrike, Add</i>	60.00	
26 51 13 00-0632 EA 400 Watt High Pressure Sodium, Recessed Mounted, Large Interior Area Fixture	330.53	134.06
<i>For Wire Guard, Add</i>	40.50	
<i>For Instant Quartz Restrike, Add</i>	60.00	
26 51 13 00-0633 Metal Halide, Recessed Mounted, Large Interior Area Fixtures ^(26 51 13 00-0628)		
26 51 13 00-0634 EA 150 Watt Metal Halide, Recessed Mounted, Large Interior Area Fixture.....	302.64	110.61
<i>For Wire Guard, Add</i>	40.50	
<i>For Instant Quartz Restrike, Add</i>	60.00	
26 51 13 00-0635 EA 250 Watt Metal Halide, Recessed Mounted, Large Interior Area Fixture.....	310.33	117.46
<i>For Wire Guard, Add</i>	40.50	
<i>For Instant Quartz Restrike, Add</i>	60.00	
26 51 13 00-0636 EA 400 Watt Metal Halide, Recessed Mounted, Large Interior Area Fixture.....	336.87	134.06
<i>For Wire Guard, Add</i>	40.50	
<i>For Instant Quartz Restrike, Add</i>	60.00	
26 51 13 00-0637 Low Bay Fixtures, Large Interior Area Fixtures ^(26 51 13 00-0627)		
Note: Heavy duty steel housing, aluminum reflector, tempered glass or acrylic lens. Low bay fixtures are for mounting below 20-25 feet.		
26 51 13 00-0638 High Pressure Sodium, Low Bay Fixtures ^(26 51 13 00-0637)		
26 51 13 00-0639 EA 150 Watt High Pressure Sodium, Low Bay Fixture	426.68	101.12
<i>For Wire Guard, Add</i>	40.50	
<i>For Enclosed And Gasketed, Add</i>	75.47	
<i>For Instant Quartz Restrike, Add</i>	60.00	
<i>For Glass Or Acrylic Reflector, Add</i>	90.00	
26 51 13 00-0640 EA 250 Watt High Pressure Sodium, Low Bay Fixture	437.99	107.38
<i>For Wire Guard, Add</i>	40.50	
<i>For Enclosed And Gasketed, Add</i>	75.47	
<i>For Instant Quartz Restrike, Add</i>	60.00	
<i>For Glass Or Acrylic Reflector, Add</i>	90.00	
26 51 13 00-0641 EA 400 Watt High Pressure Sodium, Low Bay Fixture	463.93	122.55
<i>For Wire Guard, Add</i>	40.50	
<i>For Enclosed And Gasketed, Add</i>	75.47	
<i>For Instant Quartz Restrike, Add</i>	60.00	
<i>For Glass Or Acrylic Reflector, Add</i>	90.00	
26 51 13 00-0642 Metal Halide, Low Bay Fixtures ^(26 51 13 00-0637)		

26 Electrical**26 50 Lighting****26 51 Interior Lighting**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 13 00-0643 EA 175 Watt Metal Halide, Low Bay Fixture	427.12	101.12
For Wire Guard, Add	40.50	
For Enclosed And Gasketed, Add	75.47	
For Instant Quartz Restrike, Add	60.00	
For Glass Or Acrylic Reflector, Add	90.00	
26 51 13 00-0644 EA 250 Watt Metal Halide, Low Bay Fixture	438.13	107.38
For Wire Guard, Add	40.50	
For Enclosed And Gasketed, Add	75.47	
For Instant Quartz Restrike, Add	60.00	
For Glass Or Acrylic Reflector, Add	90.00	
26 51 13 00-0645 EA 400 Watt Metal Halide, Low Bay Fixture	468.43	122.55
For Wire Guard, Add	40.50	
For Enclosed And Gasketed, Add	75.47	
For Instant Quartz Restrike, Add	60.00	
For Glass Or Acrylic Reflector, Add	90.00	
26 51 13 00-0646 High Bay Fixtures, Large Interior Area Fixtures <small>(26 51 13 00-0627)</small>		
Note: High bay fixtures are for mounting above 20-25 feet. See CSI section 01 22 23 00-0001 for lifts.		
26 51 13 00-0647 High Pressure Sodium, High Bay Fixtures <small>(26 51 13 00-0646)</small>		
Note: Includes heavy duty steel housing and aluminum reflector. Excludes lens.		
26 51 13 00-0648 EA 250 Watt High Pressure Sodium, High Bay Fixture	386.71	107.38
For Wire Guard, Add	40.50	
For Instant Quartz Restrike, Add	60.00	
For Glass Or Acrylic Reflector, Add	90.00	
For Tempered Glass Or Acrylic Lens, Add	60.50	
For Polycarbonate Lens, Add	47.75	
For Security Chain, Add	19.34	
For Optical Safety Chain, Add	7.47	
For Ballast Safety Chain, Add	12.13	
26 51 13 00-0649 EA 400 Watt High Pressure Sodium, High Bay Fixture	418.06	122.55
For Wire Guard, Add	40.50	
For Instant Quartz Restrike, Add	60.00	
For Glass Or Acrylic Reflector, Add	90.00	
For Tempered Glass Or Acrylic Lens, Add	60.50	
For Polycarbonate Lens, Add	47.75	
For Security Chain, Add	19.34	
For Optical Safety Chain, Add	7.47	
For Ballast Safety Chain, Add	12.13	
26 51 13 00-0650 EA 1,000 Watt High Pressure Sodium, High Bay Fixture	610.56	128.91
For Wire Guard, Add	40.50	
For Instant Quartz Restrike, Add	60.00	
For Glass Or Acrylic Reflector, Add	90.00	
For Tempered Glass Or Acrylic Lens, Add	60.50	
For Polycarbonate Lens, Add	47.75	
For Security Chain, Add	19.34	
For Optical Safety Chain, Add	7.47	
For Ballast Safety Chain, Add	12.13	
26 51 13 00-0651 Metal Halide, High Bay Fixtures <small>(26 51 13 00-0646)</small>		
Note: Includes heavy duty steel housing and aluminum reflector. Excludes lens.		
26 51 13 00-0652 EA 250 Watt Metal Halide, High Bay Fixture	362.77	107.38
For Wire Guard, Add	40.50	
For Instant Quartz Restrike, Add	60.00	
For Glass Or Acrylic Reflector, Add	90.00	
For Tempered Glass Or Acrylic Lens, Add	60.50	
For Polycarbonate Lens, Add	47.75	
For Security Chain, Add	19.34	
For Optical Safety Chain, Add	7.47	
For Ballast Safety Chain, Add	12.13	
26 51 13 00-0653 EA 400 Watt Metal Halide, High Bay Fixture	392.86	122.55
For Wire Guard, Add	40.50	
For Instant Quartz Restrike, Add	60.00	
For Glass Or Acrylic Reflector, Add	90.00	
For Tempered Glass Or Acrylic Lens, Add	60.50	
For Polycarbonate Lens, Add	47.75	
For Security Chain, Add	19.34	
For Optical Safety Chain, Add	7.47	
For Ballast Safety Chain, Add	12.13	
26 51 13 00-0654 EA 1,000 Watt Metal Halide, High Bay Fixture	527.26	128.91
For Wire Guard, Add	40.50	
For Instant Quartz Restrike, Add	60.00	
For Glass Or Acrylic Reflector, Add	90.00	
For Tempered Glass Or Acrylic Lens, Add	60.50	
For Polycarbonate Lens, Add	47.75	
For Security Chain, Add	19.34	
For Optical Safety Chain, Add	7.47	
For Ballast Safety Chain, Add	12.13	
26 51 13 00-0655 (T8) Fluorescent, High Bay Fixtures <small>(26 51 13 00-0646)</small>		
26 51 13 00-0656 (T8) Fluorescent, High Bay Fixtures (Lithonia) <small>(26 51 13 00-0655)</small>		
Note: For 8' fixture, use two (2) 4' fixtures.		



Electrical	26	26
Lighting	26 50	
Interior Lighting	26 51	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51	13 00-0657	EA	2 T8 Lamps, 4' Length, Fluorescent High Bay Fixture (Lithonia FGB).....	316.03	96.75
			<i>For Wire Guard, Add</i>	40.50	
			<i>For Polycarbonate Lens, Add</i>	47.75	
			<i>For Acrylic Lens, Add</i>	54.00	
26 51	13 00-0658	EA	3 T8 Lamps, 4' Length, Fluorescent High Bay Fixture (Lithonia FGB).....	335.49	107.19
			<i>For Wire Guard, Add</i>	40.50	
			<i>For Polycarbonate Lens, Add</i>	47.75	
			<i>For Acrylic Lens, Add</i>	54.00	
26 51	13 00-0659	EA	4 T8 Lamps, 4' Length, Fluorescent High Bay Fixture (Lithonia FGB).....	381.88	122.36
			<i>For Wire Guard, Add</i>	40.50	
			<i>For Polycarbonate Lens, Add</i>	47.75	
			<i>For Acrylic Lens, Add</i>	54.00	
26 51	13 00-0660	EA	6 T8 Lamps, 4' Length, Fluorescent High Bay Fixture (Lithonia FGB).....	449.70	128.91
			<i>For Wire Guard, Add</i>	40.50	
			<i>For Polycarbonate Lens, Add</i>	47.75	
			<i>For Acrylic Lens, Add</i>	54.00	
26 51	13 00-0661	EA	8 T8 Lamps, 4' Length, Fluorescent High Bay Fixture (Lithonia FGB).....	488.72	134.89
			<i>For Wire Guard, Add</i>	40.50	
			<i>For Polycarbonate Lens, Add</i>	47.75	
			<i>For Acrylic Lens, Add</i>	54.00	
26 51	13 00-0662	EA	4 T8 Lamps, 4' Length, Fluorescent High Bay Fixture (Lithonia IBZ).....	401.48	122.36
			<i>For Wire Guard, Add</i>	40.50	
			<i>For Polycarbonate Lens, Add</i>	47.75	
			<i>For Acrylic Lens, Add</i>	54.00	
26 51	13 00-0663	EA	6 T8 Lamps, 4' Length, Fluorescent High Bay Fixture (Lithonia IBZ).....	420.53	128.91
			<i>For Wire Guard, Add</i>	40.50	
			<i>For Polycarbonate Lens, Add</i>	47.75	
			<i>For Acrylic Lens, Add</i>	54.00	
26 51	13 00-0664	EA	8 T8 Lamps, 4' Length, Fluorescent High Bay Fixture (Lithonia IBZ).....	488.52	134.89
			<i>For Wire Guard, Add</i>	40.50	
			<i>For Polycarbonate Lens, Add</i>	47.75	
			<i>For Acrylic Lens, Add</i>	54.00	
26 51	13 00-0665		(T5HO) Fluorescent, High Bay Fixtures <small>(26 51 13 00-0646)</small>		
26 51	13 00-0666		(T5HO) Fluorescent, High Bay Fixtures (Lithonia) <small>(26 51 13 00-0665)</small>		
			Note: For 8' fixture, use two (2) 4' fixtures.		
26 51	13 00-0667	EA	2 T5HO Lamps, 4' Length, Fluorescent High Bay Fixture (Lithonia FGB).....	320.90	96.75
			<i>For Wire Guard, Add</i>	40.50	
			<i>For Polycarbonate Lens, Add</i>	47.75	
			<i>For Acrylic Lens, Add</i>	54.00	
26 51	13 00-0668	EA	3 T5HO Lamps, 4' Length, Fluorescent High Bay Fixture (Lithonia FGB).....	341.40	107.19
			<i>For Wire Guard, Add</i>	40.50	
			<i>For Polycarbonate Lens, Add</i>	47.75	
			<i>For Acrylic Lens, Add</i>	54.00	
26 51	13 00-0669	EA	4 T5HO Lamps, 4' Length, Fluorescent High Bay Fixture (Lithonia FGB).....	390.74	122.36
			<i>For Wire Guard, Add</i>	40.50	
			<i>For Polycarbonate Lens, Add</i>	47.75	
			<i>For Acrylic Lens, Add</i>	54.00	
26 51	13 00-0670	EA	6 T5HO Lamps, 4' Length, Fluorescent High Bay Fixture (Lithonia FGB).....	465.53	128.91
			<i>For Wire Guard, Add</i>	40.50	
			<i>For Polycarbonate Lens, Add</i>	47.75	
			<i>For Acrylic Lens, Add</i>	54.00	
26 51	13 00-0671	EA	4 T5HO Lamps, 4' Length, Fluorescent High Bay Fixture (Lithonia IBZ).....	432.70	122.36
			<i>For Wire Guard, Add</i>	40.50	
			<i>For Polycarbonate Lens, Add</i>	47.75	
			<i>For Acrylic Lens, Add</i>	54.00	
26 51	13 00-0672	EA	6 T5HO Lamps, 4' Length, Fluorescent High Bay Fixture (Lithonia IBZ).....	480.97	128.91
			<i>For Wire Guard, Add</i>	40.50	
			<i>For Polycarbonate Lens, Add</i>	47.75	
			<i>For Acrylic Lens, Add</i>	54.00	
26 51	13 00-0673	EA	8 T5HO Lamps, 4' Length, Fluorescent High Bay Fixture (Lithonia IBZ).....	572.11	134.89
			<i>For Wire Guard, Add</i>	40.50	
			<i>For Polycarbonate Lens, Add</i>	47.75	
			<i>For Acrylic Lens, Add</i>	54.00	
26 51	13 00-0674		Induction, High Bay Fixtures <small>(26 51 13 00-0646)</small>		
26 51	13 00-0675		Induction, High Bay Fixtures (Everlast®) <small>(26 51 13 00-0674)</small>		
			Note: Includes die cast aluminum ballast casing and acrylic lens.		
26 51	13 00-0676	EA	100 Watt Induction, High Bay Fixture (Everlast® Huron EHBUS-AC).....	475.03	93.91
			<i>For Impact Resistant Silicon Lens, Add</i>	20.00	
26 51	13 00-0677	EA	120 Watt Induction, High Bay Fixture (Everlast® Huron EHBUS-AC).....	511.92	97.04
			<i>For Impact Resistant Silicon Lens, Add</i>	20.00	
26 51	13 00-0678	EA	150 Watt Induction, High Bay Fixture (Everlast® Huron EHBUS-AC).....	521.10	100.17
			<i>For Impact Resistant Silicon Lens, Add</i>	20.00	
26 51	13 00-0679	EA	200 Watt Induction, High Bay Fixture (Everlast® Huron EHBUS-AC).....	571.28	103.30
			<i>For Impact Resistant Silicon Lens, Add</i>	20.00	
26 51	13 00-0680	EA	250 Watt Induction, High Bay Fixture (Everlast® Huron EHBUS-AC).....	586.00	106.43
			<i>For Impact Resistant Silicon Lens, Add</i>	20.00	
26 51	13 00-0681	EA	100 Watt Induction, Variable Dimming, High Bay Fixture (Everlast® Huron EHBUS-AC).....	513.82	93.91
			<i>For Impact Resistant Silicon Lens, Add</i>	20.00	
26 51	13 00-0682	EA	120 Watt Induction, Variable Dimming, High Bay Fixture (Everlast® Huron EHBUS-AC).....	550.71	97.04
			<i>For Impact Resistant Silicon Lens, Add</i>	20.00	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 13 00-0683 EA 150 Watt Induction, Variable Dimming, High Bay Fixture (Everlast® Huron EHBUS-AC)	559.89	100.17
For Impact Resistant Silicon Lens, Add	20.00	
26 51 13 00-0684 EA 200 Watt Induction, Variable Dimming, High Bay Fixture (Everlast® Huron EHBUS-AC)	610.07	103.30
For Impact Resistant Silicon Lens, Add	20.00	
26 51 13 00-0685 EA 250 Watt Induction, Variable Dimming, High Bay Fixture (Everlast® Huron EHBUS-AC)	624.79	106.43
For Impact Resistant Silicon Lens, Add	20.00	
26 51 13 00-0686 LED, High Bay Fixtures (26 51 13 00-0646)		
26 51 13 00-0687 LED High Bay Fixtures (Lithonia IBL) (26 51 13 00-0686)		
Note: Includes aluminum alloy chassis.		
26 51 13 00-0688 EA 9,000 Lumens, 45" Length, LED High Bay Fixture (Lithonia IBL 9L)	602.40	104.34
26 51 13 00-0689 EA 12,000 Lumens, 45" Length, LED High Bay Fixture (Lithonia IBL 12L)	657.81	104.34
26 51 13 00-0690 EA 18,000 Lumens, 45" Length, LED High Bay Fixture (Lithonia IBL 18L)	807.43	104.34
26 51 13 00-0691 EA 24,000 Lumens, 45" Length, LED High Bay Fixture (Lithonia IBL 24L)	867.28	104.34
26 51 13 00-0692 LED High Bay Fixtures (PlanLED) (26 51 13 00-0686)		
26 51 13 00-0693 LED High Bay Fixtures (PlanLED LUNA) (26 51 13 00-0692)		
Note: Includes aluminum alloy chassis.		
26 51 13 00-0694 EA 7,000 Lumens, LED High Bay Fixture (PlanLED LUNA LN70)	553.09	104.34
26 51 13 00-0695 EA 9,800 Lumens, LED High Bay Fixture (PlanLED LUNA LN98)	611.89	104.34
26 51 13 00-0696 EA 13,000 Lumens, LED High Bay Fixture (PlanLED LUNA LN130)	696.94	104.34
26 51 13 00-0697 EA 16,000 Lumens, LED High Bay Fixture (PlanLED LUNA LN160)	779.89	104.34
26 51 13 00-0698 LED High Bay Fixtures (PlanLED IBL) (26 51 13 00-0692)		
Note: Includes aluminum alloy chassis.		
26 51 13 00-0699 EA 13,650 Lumens, 130 System Watts, 46.5" Length, LED Indirect High Bay Fixture (PlanLED IBL 130W)	595.09	104.34
For 347-480 Volt, Add	34.06	
26 51 13 00-0700 EA 21,000 Lumens, 200 System Watts, 46.5" Length, LED Indirect High Bay Fixture (PlanLED IBL 200W)	799.84	104.34
For 347-480 Volt, Add	44.28	
26 51 13 00-0701 EA 42,000 Lumens, 400 System Watts, 46.5" Length, LED Indirect High Bay Fixture (PlanLED IBL 400W)	1,363.69	104.34
For 347-480 Volt, Add	72.65	
26 51 13 00-0702 LED High Bay Fixtures (PlanLED SEGA) (26 51 13 00-0692)		
Note: Includes aluminum alloy chassis.		
26 51 13 00-0703 EA 10,400 Lumens, 80 System Watts, LED High Bay Fixture (PlanLED SEGA SE080)	484.84	104.34
For 0 To 10 Volt Dimming, Add	49.73	
26 51 13 00-0704 EA 13,000 Lumens, 100 System Watts, LED High Bay Fixture (PlanLED SEGA SE100)	513.19	104.34
For 0 To 10 Volt Dimming, Add	49.73	
26 51 13 00-0705 EA 16,900 Lumens, 130 System Watts, LED High Bay Fixture (PlanLED SEGA SE130)	610.84	104.34
For 0 To 10 Volt Dimming, Add	49.73	
26 51 13 00-0706 EA 20,800 Lumens, 160 System Watts, LED High Bay Fixture (PlanLED SEGA SE160)	681.19	104.34
For 0 To 10 Volt Dimming, Add	49.73	
26 51 13 00-0707 EA 50,000 Lumens, 400 System Watts, Array, LED High Bay Fixture (PlanLED SEGA SE400)	1,199.89	104.34
26 51 13 00-0708 EA 57,040 Lumens, 500 System Watts, Array, LED High Bay Fixture (PlanLED SEGA SE500)	1,292.29	104.34
26 51 13 00-0709 EA 80,000 Lumens, 640 System Watts, Array, LED High Bay Fixture (PlanLED SEGA SE640)	1,947.43	104.34
26 51 13 00-0710 Ceiling Mounted, Large Interior Area Fixtures (26 51 13 00-0627)		
Note: Heavy duty aluminum housing, aluminum reflector, acrylic drop dish lens, fully gasketed.		
26 51 13 00-0711 High Pressure Sodium, Ceiling Mounted, Large Interior Area Fixtures (26 51 13 00-0710)		
26 51 13 00-0712 EA 100 Watt High Pressure Sodium, Ceiling Mounted, Large Interior Area Fixture	338.44	71.91
For Wire Guard, Add	40.50	
For Instant Quartz Restrike, Add	60.00	
For Polycarbonate Lens, Add	47.75	
26 51 13 00-0713 EA 150 Watt High Pressure Sodium, Ceiling Mounted, Large Interior Area Fixture	385.40	71.91
For Wire Guard, Add	40.50	
For Instant Quartz Restrike, Add	60.00	
For Polycarbonate Lens, Add	47.75	
26 51 13 00-0714 EA 250 Watt High Pressure Sodium, Ceiling Mounted, Large Interior Area Fixture	439.97	71.91
For Wire Guard, Add	40.50	
For Instant Quartz Restrike, Add	60.00	
For Polycarbonate Lens, Add	47.75	
26 51 13 00-0715 EA 400 Watt High Pressure Sodium, Ceiling Mounted, Large Interior Area Fixture	581.09	71.91
For Wire Guard, Add	40.50	
For Instant Quartz Restrike, Add	60.00	
For Polycarbonate Lens, Add	47.75	
26 51 13 00-0716 Metal Halide, Ceiling Mounted, Large Interior Area Fixtures (26 51 13 00-0710)		
26 51 13 00-0717 EA 100 Watt Metal Halide, Ceiling Mounted, Large Interior Area Fixture	290.08	71.91
For Wire Guard, Add	40.50	
For Instant Quartz Restrike, Add	60.00	
For Polycarbonate Lens, Add	47.75	
26 51 13 00-0718 EA 175 Watt Metal Halide, Ceiling Mounted, Large Interior Area Fixture	310.63	79.79
For Wire Guard, Add	40.50	
For Instant Quartz Restrike, Add	60.00	
For Polycarbonate Lens, Add	47.75	



Electrical	26	26
Lighting	26 50	
Interior Lighting	26 51	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 13 00-0719 EA 250 Watt Metal Halide, Ceiling Mounted, Large Interior Area Fixture 331.85 86.43 <i>For Wire Guard, Add 40.50</i> <i>For Instant Quartz Restrike, Add 60.00</i> <i>For Polycarbonate Lens, Add 47.75</i>		
26 51 13 00-0720 EA 400 Watt Metal Halide, Ceiling Mounted, Large Interior Area Fixture 365.65 102.92 <i>For Wire Guard, Add 40.50</i> <i>For Instant Quartz Restrike, Add 60.00</i> <i>For Polycarbonate Lens, Add 47.75</i>		
26 51 13 00-0721 Removal And Reinstallation Of Light Fixtures (26 51 13) Note: Includes disconnection of wire, on-site storage, general cleaning, installation and electrical wire hook-up.		
26 51 13 00-0722 EA Removal And Reinstallation Of Lay-In Fluorescent Light Fixture 110.51		
26 51 13 00-0723 EA Removal And Reinstallation Of Surface Mounted Or Pendant Light Fixture 126.30		
26 51 13 00-0724 Retrofit Existing Fluorescent Fixtures (26 51 13)		
26 51 13 00-0725 EA Convert 1L F96 fixture to operate (2) F32T8 lamps 179.08 Note: Includes white enameled 8' reflective fixture pan, pre-wired with lampholders and ballast. Excludes lamps. <i>For Specular Reflector, Add 21.27</i> <i>For Retrofit Kit Without Ballast, Deduct -63.58</i>		
26 51 13 00-0726 EA Convert 2L F96 fixture to operate (4) F32T8 lamps 184.27 Note: Includes white enameled 8' reflective fixture pan, pre-wired with lampholders and ballast. Excludes lamps. <i>For Specular Reflector, Add 21.27</i> <i>For Retrofit Kit Without Ballast, Deduct -64.35</i>		
26 51 13 00-0727 EA Convert 1L UFB40 fixture to operate (2) F17T8 lamps 112.44 Note: Includes white enameled reflective fixture pan, pre-wired with lampholders and ballast. Excludes lamps. <i>For Specular Reflector, Add 6.35</i> <i>For Retrofit Kit Without Ballast, Deduct -36.52</i>		
26 51 13 00-0728 EA Convert 2L UFB40 fixture to operate (3) F17T8 lamps 116.59 Note: Includes white enameled reflective fixture pan, pre-wired with lampholders and ballast. Excludes lamps. <i>For Specular Reflector, Add 6.35</i> <i>For Retrofit Kit Without Ballast, Deduct -37.14</i>		
26 52 Safety Lighting (26 50)		
26 52 00 00-0001 Commercial Emergency Lights (26 52)		
26 52 00 00-0002 Polycarbonate Housing, Commercial Emergency Lights (26 52 00 00-0001) Note: Includes lead-calcium batteries and two adjustable lamp heads.		
26 52 00 00-0003 EA 3 Max Wattage At 90 Minutes, 3.6 Volt, Polycarbonate Housing, LED Lamps, Commercial Emergency Light (Lithonia ELM2 LED) 144.83 25.94		
26 52 00 00-0004 EA 10.8 Max Wattage At 90 Minutes, 6 Volt, Polycarbonate Housing, Krypton Lamps, Commercial Emergency Light (Lithonia ELM2) 105.76 25.94 <i>For Halogen Lamps, Add 27.55</i> <i>For Self-Diagnostics, Add 87.50</i>		
26 52 00 00-0005 EA 18 Max Wattage At 90 Minutes, 6 Volt, Polycarbonate Housing, Krypton Lamps, Commercial Emergency Light (Lithonia ELM618) 156.89 25.94 <i>For Halogen Lamps, Add 27.55</i> <i>For Self-Diagnostics, Add 87.50</i>		
26 52 00 00-0006 EA 27 Max Wattage At 90 Minutes, 6 Volt, Remote Capability, Polycarbonate Housing, Krypton Lamps, Commercial Emergency Light (Lithonia ELM627) 180.03 25.94 <i>For Halogen Lamps, Add 27.55</i> <i>For Self-Diagnostics, Add 87.50</i>		
26 52 00 00-0007 EA 54 Max Wattage At 90 Minutes, 6 Volt, Remote Capability, Polycarbonate Housing, Krypton Lamps, Commercial Emergency Light (Lithonia ELM654) 259.57 25.94 <i>For Halogen Lamps, Add 27.55</i> <i>For Self-Diagnostics, Add 87.50</i>		
26 52 00 00-0008 EA 54 Max Wattage At 90 Minutes, 12 Volt, Remote Capability, Polycarbonate Housing, Krypton Lamps, Commercial Emergency Light (Lithonia ELM1254) 291.86 25.94 <i>For Halogen Lamps, Add 27.55</i> <i>For Self-Diagnostics, Add 87.50</i>		
26 52 00 00-0009 EA 72 Max Wattage At 90 Minutes, 12 Volt, Remote Capability, Polycarbonate Housing, Krypton Lamps, Commercial Emergency Light (Lithonia ELM1272) 417.65 25.94 <i>For Halogen Lamps, Add 27.55</i> <i>For Self-Diagnostics, Add 87.50</i>		
26 52 00 00-0010 Remote Heads For Commercial Emergency Lights (26 52 00 00-0001) Note: For use with fixtures that have remote capability.		
26 52 00 00-0011 EA 6 Watt, 6 Volt, Aluminum Housing, Halogen Lamp, Emergency Light Remote Head (Lithonia ELA MT H0606) 96.62 15.57		
26 52 00 00-0012 EA 6 Watt, 6 Volt, Gasketed Fiberglass Housing, Halogen Lamp, Emergency Light Remote Head (Lithonia ELA NX H0606) 97.20 15.57		
26 52 00 00-0013 EA 8 Watt, 8 Volt, Gasketed Fiberglass Housing, Halogen Lamp, Emergency Light Remote Head (Lithonia ELA NX H0806) 99.15 15.57		
26 52 00 00-0014 EA 12 Watt, 12 Volt, Aluminum Housing, Halogen Lamp, Emergency Light Remote Head (Lithonia ELA MT H1212) 98.83 15.57		
26 52 00 00-0015 EA 12 Watt, 12 Volt, Thermoplastic Housing, Halogen Lamp, Emergency Light Remote Head (Lithonia ELA H1212) 86.85 15.57		
26 52 00 00-0016 EA 12 Watt, 12 Volt, Thermoplastic Housing, Incandescent Lamp, Emergency Light Remote Head (Lithonia ELA N1206) 63.04 15.57		
26 52 00 00-0017 Industrial Emergency Lights (26 52)		
26 52 00 00-0018 Painted Steel Housing, Industrial Emergency Lights (26 52 00 00-0017)		

26 Electrical
26 50 Lighting
26 52 Safety Lighting



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 52 00 00-0019 Painted Steel Housing, Industrial Emergency Lights <small>(26 52 00 00-0018)</small> Note: Includes lead-calcium batteries and two adjustable lamp heads.		
26 52 00 00-0020 EA 16 Max Wattage At 90 Minutes, 6 Volt, Painted Steel Housing, Incandescent Lamps, Industrial Emergency Light (Lithonia ELT16)	242.00	25.94
For Wireguard, Add	114.39	
26 52 00 00-0021 EA 24 Max Wattage At 90 Minutes, 6 Volt, Remote Capability, Painted Steel Housing, Incandescent Lamps, Industrial Emergency Light (Lithonia ELT24)	205.88	25.94
For Wireguard, Add	114.39	
26 52 00 00-0022 EA 36 Max Wattage At 90 Minutes, 6 Volt, Remote Capability, Painted Steel Housing, Incandescent Lamps, Industrial Emergency Light (Lithonia ELT36)	311.45	25.94
For Wireguard, Add	114.39	
26 52 00 00-0023 EA 50 Max Wattage At 90 Minutes, 12 Volt, Remote Capability, Painted Steel Housing, Incandescent Lamps, Industrial Emergency Light (Lithonia ELT50)	329.67	25.94
For Wireguard, Add	114.39	
26 52 00 00-0024 EA 125 Max Wattage At 90 Minutes, 12 Volt, Remote Capability, Painted Steel Housing, Incandescent Lamps, Industrial Emergency Light (Lithonia ELT125)	463.29	25.94
For Wireguard, Add	121.84	
26 52 00 00-0025 EA 275 Max Wattage At 90 Minutes, 12 Volt, Remote Capability, Painted Steel Housing, Incandescent Lamps, Industrial Emergency Light (Lithonia ELT275)	718.90	25.94
For Wireguard, Add	121.84	
26 52 00 00-0026 Remote Heads For Painted Steel Housing, Industrial Emergency Lights <small>(26 52 00 00-0018)</small> Note: For use with fixtures that have remote capability.		
26 52 00 00-0027 EA 8 Watt, 6 Volt, Thermoplastic Housing, Incandescent Lamp, Emergency Light Remote Head (Lithonia ELA N0806)	76.76	15.57
For Wireguard, Add	92.32	
26 52 00 00-0028 EA 12 Watt, 6 Volt, Thermoplastic Housing, Incandescent Lamp, Emergency Light Remote Head (Lithonia ELA N1206)	79.03	15.57
For Wireguard, Add	92.32	
26 52 00 00-0029 EA 8 Watt, 12 Volt, Thermoplastic Housing, Halogen Lamp, Emergency Light Remote Head (Lithonia ELA H0812)	77.08	15.57
For Wireguard, Add	92.32	
26 52 00 00-0030 EA 12 Watt, 12 Volt, Thermoplastic Housing, Incandescent Lamp, Emergency Light Remote Head (Lithonia ELA N1212)	77.45	15.57
For Wireguard, Add	92.32	
26 52 00 00-0031 EA 12 Watt, 25 Volt, Thermoplastic Housing, Incandescent Lamp, Emergency Light Remote Head (Lithonia ELA N2512)	79.03	15.57
For Wireguard, Add	92.32	
26 52 00 00-0032 EA 12 Watt, 25 Volt, Aluminum Housing, Incandescent Lamp, Emergency Light Remote Head (Lithonia ELA MT N2512)	90.54	15.57
For Wireguard, Add	92.32	
26 52 00 00-0033 Rugged Injection-Molded Thermoplastic Housing, Industrial Emergency Lights <small>(26 52 00 00-0017)</small>		
26 52 00 00-0034 Rugged Injection-Molded Thermoplastic Housing, Industrial Emergency Lights <small>(26 52 00 00-0033)</small> Note: Includes lead-calcium batteries and two adjustable lamp heads.		
26 52 00 00-0035 EA 18 Max Wattage At 90 Minutes, 6 Volt, Krypton Lamps, Rugged Injection-Molded Thermoplastic Housing, Industrial Emergency Light (Lithonia IND618)	239.10	25.94
For Wireguard, Add	111.22	
For Self-Diagnostics, Add	105.50	
26 52 00 00-0036 EA 36 Max Wattage At 90 Minutes, 12 Volt, Remote Capability, Krypton Lamps, Rugged Injection-Molded Thermoplastic Housing, Industrial Emergency Light (Lithonia IND1236)	258.37	25.94
For Wireguard, Add	111.22	
For Self-Diagnostics, Add	105.50	
26 52 00 00-0037 EA 54 Max Wattage At 90 Minutes, 6 Volt, Remote Capability, Krypton Lamps, Rugged Injection-Molded Thermoplastic Housing, Industrial Emergency Light (Lithonia IND654)	253.09	25.94
For Wireguard, Add	111.22	
For Self-Diagnostics, Add	105.50	
26 52 00 00-0038 EA 54 Max Wattage At 90 Minutes, 12 Volt, Remote Capability, Krypton Lamps, Rugged Injection-Molded Thermoplastic Housing, Industrial Emergency Light (Lithonia IND1254)	266.56	25.94
For Wireguard, Add	111.22	
For Self-Diagnostics, Add	105.50	
26 52 00 00-0039 EA 100 Max Wattage At 90 Minutes, 12 Volt, Remote Capability, Krypton Lamps, Rugged Injection-Molded Thermoplastic Housing, Industrial Emergency Light (Lithonia IND12100)	437.14	25.94
For Wireguard, Add	111.22	
For Self-Diagnostics, Add	105.50	
26 52 00 00-0040 EA 18 Max Wattage At 90 Minutes, 6 Volt, Krypton Lamps, NEMA 4X, Rugged Injection-Molded Thermoplastic Housing, Harsh Environment Industrial Emergency Light (Lithonia INDX618)	347.10	25.94
For Wireguard, Add	111.22	
For Self-Diagnostics, Add	61.50	
26 52 00 00-0041 EA 36 Max Wattage At 90 Minutes, 12 Volt, Remote Capability, Krypton Lamps, NEMA 4X, Rugged Injection-Molded Thermoplastic Housing, Harsh Environment Industrial Emergency Light (Lithonia INDX1236)	386.71	25.94
For Wireguard, Add	111.22	
For Self-Diagnostics, Add	61.50	
26 52 00 00-0042 EA 54 Max Wattage At 90 Minutes, 12 Volt, Remote Capability, Krypton Lamps, NEMA 4X, Rugged Injection-Molded Thermoplastic Housing, Harsh Environment Industrial Emergency Light (Lithonia INDX1254)	406.78	25.94
For Wireguard, Add	111.22	
For Self-Diagnostics, Add	61.50	



Electrical	26	
Lighting	26 50	26
Safety Lighting	26 52	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 52 00 00-0043 Remote Heads For Rugged Injection-Molded Thermoplastic Housing, Industrial Emergency Lights <small>(26 52 00 00-0033)</small>		
<i>Note: For use with fixtures that have remote capability.</i>		
26 52 00 00-0044 EA 9 Watt, 6 Volt, Heavyweight Polycarbonate Housing, Krypton Lamp, Emergency Light Remote Head (Lithonia ELA IND K0906)	68.05	15.57
26 52 00 00-0045 EA 12 Watt, 6 Volt, Heavyweight Polycarbonate Housing, Halogen Lamp, Emergency Light Remote Head (Lithonia ELA IND H1206)	72.64	15.57
26 52 00 00-0046 EA 9 Watt, 12 Volt, Heavyweight Polycarbonate Housing, Krypton Lamp, Emergency Light Remote Head (Lithonia ELA IND K0912)	68.10	15.57
26 52 00 00-0047 EA 12 Watt, 12 Volt, Heavyweight Polycarbonate Housing, Halogen Lamp, Emergency Light Remote Head (Lithonia ELA IND H1212)	71.48	15.57
26 52 00 00-0048 EA 12 Watt, 20 Volt, Heavyweight Polycarbonate Housing, Halogen Lamp, Emergency Light Remote Head (Lithonia ELA IND H2012)	62.80	15.57
26 52 00 00-0049 Outdoor Emergency Lights <small>(26 52)</small>		
26 52 00 00-0050 Gasketed Die-Cast Aluminum Housing, Outdoor Emergency Lights <small>(26 52 00 00-0049)</small>		
<i>Note: Includes nickel-cadmium batteries.</i>		
26 52 00 00-0051 EA 10 Max Wattage At 90 Minutes, LED Lamps, Gasketed Aluminum Die-Cast Housing, Outdoor Emergency Light (Dual-Lite PG Series)	366.38	25.94
26 52 00 00-0052 EA 10 Max Wattage At 90 Minutes, LED Lamps, Gasketed Aluminum Die-Cast Housing, Outdoor Emergency Light With Heater (Dual-Lite PG Series)	433.71	25.94
26 52 00 00-0053 Recessed Emergency Lights <small>(26 52)</small>		
26 52 00 00-0054 EA 10 Watts At 90 Minutes, 6 Volt, Halogen Lamp, 8" Round, Recessed High-Hat Emergency Light (Lithonia ELRG)	396.51	25.94
<i>For Wire Guard, Add</i>		
	60.00	
26 52 00 00-0055 EA 16 Watts At 90 Minutes, 6 Volt, 12" x 12" Polycarbonate Housing, Glass Sealed-Beam Lamps, Recessed Emergency Light (Lithonia ELR2)	336.25	51.88
<i>Note: Includes lead-calcium batteries and two adjustable lamp heads.</i>		
<i>For Wireguard, Add</i>		
	121.84	
26 52 00 00-0056 EA 50 Watts At 90 Minutes, 12 Volt, 12" x 12" Polycarbonate Housing, Glass Sealed-Beam Lamps, Recessed Emergency Light (Lithonia ELR4)	466.75	51.88
<i>Note: Includes lead-calcium batteries and two adjustable lamp heads.</i>		
<i>For Wireguard, Add</i>		
	121.84	
26 52 00 00-0057 Square Wraparound Emergency Lights <small>(26 52)</small>		
26 52 00 00-0058 EA 10 Watts At 90 Minutes, 6 Volt, Halogen Lamp, 10-5/16" x 10-5/16" Lexan Frame, Square Wraparound Emergency Light (Lithonia ELSQ)	190.68	25.94
26 53 Exit Signs <small>(26 50)</small>		
<i>Note: Excludes pendants.</i>		
26 53 00 00-0001 LED Exit Signs <small>(26 53)</small>		
<i>Note: Includes red LED lamps.</i>		
26 53 00 00-0002 EA Single Face, Thermoplastic Housing, LED Exit Sign (Lithonia LQM)	128.69	37.93
<i>For Green LED Lamps, Add</i>		
	15.00	
26 53 00 00-0003 EA Double Face, Thermoplastic Housing, LED Exit Sign (Lithonia LQM)	128.69	37.93
<i>For Green LED Lamps, Add</i>		
	15.00	
26 53 00 00-0004 EA Single Face, Thermoplastic Housing, LED Exit Sign With Battery Back-Up (Lithonia LQM ELN)	168.21	37.93
<i>For Green LED Lamps, Add</i>		
	15.00	
<i>For Self-Diagnostics, Add</i>		
	50.00	
26 53 00 00-0005 EA Double Face, Thermoplastic Housing, LED Exit Sign With Battery Back-Up (Lithonia LQM ELN)	168.21	37.93
<i>For Green LED Lamps, Add</i>		
	15.00	
<i>For Self-Diagnostics, Add</i>		
	50.00	
26 53 00 00-0006 EA Single Face, Die-Cast Aluminum Housing, LED Exit Sign (Lithonia LQC)	182.33	37.93
<i>For Green LED Lamps, Add</i>		
	15.00	
26 53 00 00-0007 EA Double Face, Die-Cast Aluminum Housing, LED Exit Sign (Lithonia LQC)	202.93	37.93
<i>For Green LED Lamps, Add</i>		
	15.00	
26 53 00 00-0008 EA Single Face, Die-Cast Aluminum Housing, LED Exit Sign With Battery Back-Up (Lithonia LQC ELN)	173.72	37.93
<i>For Green LED Lamps, Add</i>		
	15.00	
<i>For Self-Diagnostics, Add</i>		
	50.00	
26 53 00 00-0009 EA Double Face, Die-Cast Aluminum Housing, LED Exit Sign With Battery Back-Up (Lithonia LQC ELN)	188.67	37.93
<i>For Green LED Lamps, Add</i>		
	15.00	
<i>For Self-Diagnostics, Add</i>		
	50.00	
26 53 00 00-0010 EA Single Face, Thermoplastic Housing, LED Exit Sign/Emergency Light Combo With Battery Back-Up (Lithonia LHQM)	225.24	37.93
<i>Note: Includes two circular side mounted krypton emergency lights.</i>		
<i>For Green LED Lamps, Add</i>		
	15.00	
26 53 00 00-0011 EA Single Face, Thermoplastic Housing, LED Exit Sign/Emergency Light Combo With Battery Back-Up (Lithonia LHQM LED)	313.91	37.93
<i>Note: Includes two circular side mounted LED emergency lights.</i>		
<i>For Green LED Lamps, Add</i>		
	15.00	
26 53 00 00-0012 EA Single Face, Powder Coated Steel Housing, LED Exit Sign/Emergency Light Combo With Battery Back-Up (Big Beam COM-PH)	270.56	37.93
<i>Note: Includes two rectangular front mounted high intensity tungsten emergency lights.</i>		
<i>For Green LED Lamps, Add</i>		
	15.00	

26 Electrical**26 50 Lighting****26 53 Exit Signs**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 53 00 00-0013 EA Single Face, Powder Coated Steel Housing, LED Exit Sign/Emergency Light Combo With Battery Back-Up (Big Beam COM).....	281.42	37.93
Note: Includes two circular side mounted PAR 36 emergency lights. For Green LED Lamps, Add	15.00	
26 53 00 00-0014 Edge-Lit LED Exit Signs (26 53) Note: Includes red LED lamps.		
26 53 00 00-0015 EA Single Face, Edge-Lit LED Exit Sign.....	244.76	37.93
For Green LED Lamps, Add	40.00	
26 53 00 00-0016 EA Double Face, Edge-Lit LED Exit Sign.....	260.65	37.93
For Green LED Lamps, Add	40.00	
26 53 00 00-0017 EA Single Face, Edge-Lit LED Exit Sign With Battery Back-Up.....	293.82	37.93
For Green LED Lamps, Add	40.00	
For Self-Diagnostics, Add	50.00	
26 53 00 00-0018 EA Double Face, Edge-Lit LED Exit Sign With Battery Back-Up.....	305.52	37.93
For Green LED Lamps, Add	40.00	
For Self-Diagnostics, Add	50.00	
26 53 00 00-0019 Self-Luminous Tritium Exit Signs (26 53) Note: Includes red or green tritium filled pyrex glass light tubes with phosphor coating.		
26 53 00 00-0020 EA 10 Year, Single Face, Acrylonitrile Butadiene Styrene (ABS) Housing, Self-Luminous Tritium Exit Sign.....	323.01	37.93
26 53 00 00-0021 EA 10 Year, Double Face, Acrylonitrile Butadiene Styrene (ABS) Housing, Self-Luminous Tritium Exit Sign.....	569.91	37.93
26 53 00 00-0022 EA 20 Year, Single Face, Acrylonitrile Butadiene Styrene (ABS) Housing, Self-Luminous Tritium Exit Sign.....	379.25	37.93
26 53 00 00-0023 EA 20 Year, Double Face, Acrylonitrile Butadiene Styrene (ABS) Housing, Self-Luminous Tritium Exit Sign.....	615.06	37.93
26 53 00 00-0024 EA 10 Year, Single Face, Aluminum Housing, Self-Luminous Tritium Exit Sign.....	351.00	37.93
26 53 00 00-0025 EA 10 Year, Double Face, Aluminum Housing, Self-Luminous Tritium Exit Sign.....	615.06	37.93
26 53 00 00-0026 EA 20 Year, Single Face, Aluminum Housing, Self-Luminous Tritium Exit Sign.....	424.15	37.93
26 53 00 00-0027 EA 20 Year, Double Face, Aluminum Housing, Self-Luminous Tritium Exit Sign.....	756.60	37.93
26 53 00 00-0028 Vandal-Resistant LED Exit Signs (26 53) Note: Includes red LED lamps.		
26 53 00 00-0029 EA Single Face, Aluminum Housing, Vandal-Resistant/Wet Location, LED Exit Sign.....	306.37	37.93
26 53 00 00-0030 EA Single Face, Aluminum Housing, Vandal-Resistant/Wet Location, LED Exit Sign With Battery Backup.....	459.27	37.93
26 53 00 00-0031 EA Single Face, Aluminum Housing, NEMA 4X, Vandal-Resistant/Wet Location, LED Exit Sign With Battery Backup.....	553.01	37.93
26 53 00 00-0032 Remove And Reinstall Exit Light Fixture (26 53)		
26 53 00 00-0033 EA Removal And Reinstall Of Exit Light Fixtures.....	77.82	
Note: Includes storage and cleaning.		
26 53 00 00-0034 Exit Sign Accessories (26 53)		
26 53 00 00-0035 EA Polycarbonate Vandal Shield For Exit Signs.....	73.57	10.39
26 53 00 00-0036 EA Wire Guard For Exit Signs Or Emergency Lights.....	45.97	10.39
26 53 00 00-0037 EA Wire Guard For Combination Exit Sign And Emergency Light.....	67.02	8.32
26 53 00 00-0038 EA Replacement Battery For Exit Signs.....	75.55	12.99
26 55 Special Purpose Lighting (26 50)		
26 55 61 Theatrical Lighting (26 55)		
26 55 61 00-0001 Stage Lighting (26 55 61)		
26 55 61 00-0002 EA Ellipsoidal Spotlight, Two 6" x 9" Lenses.....	398.67	126.16
Note: Stainless steel shutter blades, complete with color frame, c-clamp, safety cable, 20A, 3W ground, male pin connector and high performance lamp.		
26 55 61 00-0003 EA Ellipsoidal Spotlight, Two 6" x 12" Lenses.....	398.67	126.16
Note: Stainless steel shutter blades, complete with color frame, c-clamp, safety cable, 20A, 3W ground, male pin connector and high performance lamp.		
26 55 61 00-0004 EA Ellipsoidal Spotlight, Two 6" x 16" Lenses.....	398.67	126.16
Note: Stainless steel shutter blades, complete with color frame, c-clamp, safety cable, 20A, 3W ground, male pin connector and high performance lamp.		
26 55 61 00-0005 EA 14" Scoop Floodlight Altman #SC14.....	411.38	126.16
26 55 61 00-0006 EA 6" Diameter Fresnel Spotlight, Spherical Specular Alzak.....	304.17	126.16
Note: Reflector, heat resistant fresnel lens, slidefocus flood to spot, complete with yoke, c-clamp, safety cable, color frame, male pin connector and lamp.		
26 55 61 00-0007 EA 8" Diameter Fresnel Spotlight, Spherical Specular Alzak.....	449.60	126.16
Note: Reflector, heat resistant fresnel lens, slidefocus flood to spot, complete with yoke, C-clamp, safety cable, color frame, male pin connector and lamp.		
26 55 61 00-0008 EA Follow Spotlight With Steel Chassis And Lightweight.....	1,196.67	126.16
Note: Aluminum housing, includes lamp adjustment plate, silent lamp fan, dowsler, iris and clipper, rear lens control, coated lenses, six color boomerang, color fan, 34" x 34" castered stand.		
26 55 61 00-0009 EA Follow Spotlight With Steel Chassis And Lightweight.....	1,425.57	126.16
Note: Aluminum housing, includes lamp adjustment plate, ballast, electronic power supply, stepdown transformer, silent lamp fan, dowsler, iris and clipper, rear lens control, coated lenses, six color boomerang, color fan, 34" x 34" castered stand.		
26 55 61 00-0010 EA PAR 64 Can Lighting With 20 Gauge Sheet Steel.....	268.42	126.16
Note: Formed lamp housing, hinged and latched rear housing secured by retention ring, safety cable, safety screen, PAR 64 lamp, male pin connector.		



Electrical	26	26
Lighting	26 50	
Special Purpose Lighting	26 55	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 55 61 00-0011 EA 6' Long Borderlight Sections Note: With continuous sheet steel housing, supported by 1-1/2" x 3/16" steel yoke with C-clamp, includes 30 lights per section wired on 3 circuits, alzak aluminum reflector with matte finish.	740.75	126.16
26 56 Exterior Lighting (26 50)		
26 56 13 Lighting Poles And Standards (26 56)		
26 56 13 00-0001 Poles And Standards (26 56 13) See CSI section 26 05 46 00-0000 for additional poles, 26 05 46 00-0001 for additional pole, 26 56 19 00-0000 for street light fixtures.		
26 56 13 00-0002 Roadway Light Poles (26 56 13 00-0001)		
26 56 13 00-0003 Steel Roadway Light Poles (26 56 13 00-0002) Note: Includes prime painted finish, anchor bolts, steel base with nut covers, reinforced handhole with cover and grounding provisions, and fixture arm(s).		
26 56 13 00-0004 Round Tapered, Steel Roadway Light Poles (26 56 13 00-0003)		
26 56 13 00-0005 Round Tapered, Steel Roadway Light Poles With Upsweep Style Arms (26 56 13 00-0004)		
26 56 13 00-0006 Round Tapered, Steel Roadway Light Poles With Single Upsweep Style Arm (26 56 13 00-0005)		
26 56 13 00-0007 EA 20' High, 5.9" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 4' Upsweep Style Arm, Anchor Base For Galvanized Finish, Add For >10 To 20, Deduct For >20 To 40, Deduct For >40, Deduct	2,920.70 67.64 -73.02 -146.04 -235.70	333.03
26 56 13 00-0008 EA 20' High, 5.9" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 6' Upsweep Style Arm, Anchor Base For Galvanized Finish, Add For >10 To 20, Deduct For >20 To 40, Deduct For >40, Deduct	2,926.26 67.81 -73.16 -146.31 -236.12	333.03
26 56 13 00-0009 EA 25' High, 5.9" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 4' Upsweep Style Arm, Anchor Base For Galvanized Finish, Add For >10 To 20, Deduct For >20 To 40, Deduct For >40, Deduct	3,181.31 68.80 -79.53 -159.07 -260.80	444.03
26 56 13 00-0010 EA 25' High, 5.9" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 6' Upsweep Style Arm, Anchor Base For Galvanized Finish, Add For >10 To 20, Deduct For >20 To 40, Deduct For >40, Deduct	3,248.32 70.81 -81.21 -162.42 -265.83	444.03
26 56 13 00-0011 EA 25' High, 5.9" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 8' Upsweep Style Arm, Anchor Base For Galvanized Finish, Add For >10 To 20, Deduct For >20 To 40, Deduct For >40, Deduct	3,315.32 72.82 -82.88 -165.77 -270.85	444.03
26 56 13 00-0012 EA 30' High, 6.6" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 4' Upsweep Style Arm, Anchor Base For Galvanized Finish, Add For >10 To 20, Deduct For >20 To 40, Deduct For >40, Deduct	3,440.45 73.24 -86.01 -172.02 -283.01	499.53
26 56 13 00-0013 EA 30' High, 6.6" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 6' Upsweep Style Arm, Anchor Base For Galvanized Finish, Add For >10 To 20, Deduct For >20 To 40, Deduct For >40, Deduct	3,472.22 74.19 -86.81 -173.61 -285.39	499.53
26 56 13 00-0014 EA 30' High, 6.6" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 8' Upsweep Style Arm, Anchor Base For Galvanized Finish, Add For >10 To 20, Deduct For >20 To 40, Deduct For >40, Deduct	3,478.27 74.38 -86.96 -173.91 -285.85	499.53
26 56 13 00-0015 EA 35' High, 7.3" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 4' Upsweep Style Arm, Anchor Base For Galvanized Finish, Add For >10 To 20, Deduct For >20 To 40, Deduct For >40, Deduct	3,646.57 77.76 -91.16 -182.33 -299.86	527.28
26 56 13 00-0016 EA 35' High, 7.3" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 6' Upsweep Style Arm, Anchor Base For Galvanized Finish, Add For >10 To 20, Deduct For >20 To 40, Deduct For >40, Deduct	3,670.57 78.48 -91.76 -183.53 -301.66	527.28

26	Electrical
26 50	Lighting
26 56	Exterior Lighting



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56	13 00-0017	EA	35' High, 7.3" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 8' Upsweep Style Arm, Anchor Base	3,696.78	527.28
			<i>For Galvanized Finish, Add</i>	79.27	
			<i>For >10 To 20, Deduct</i>	-92.42	
			<i>For >20 To 40, Deduct</i>	-184.84	
			<i>For >40, Deduct</i>	-303.62	
26 56	13 00-0018	EA	40' High, 9.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 4' Upsweep Style Arm, Anchor Base	4,221.73	555.04
			<i>For Galvanized Finish, Add</i>	93.35	
			<i>For >10 To 20, Deduct</i>	-105.54	
			<i>For >20 To 40, Deduct</i>	-211.09	
			<i>For >40, Deduct</i>	-344.38	
26 56	13 00-0019	EA	40' High, 9.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 6' Upsweep Style Arm, Anchor Base	4,230.27	555.04
			<i>For Galvanized Finish, Add</i>	93.61	
			<i>For >10 To 20, Deduct</i>	-105.76	
			<i>For >20 To 40, Deduct</i>	-211.51	
			<i>For >40, Deduct</i>	-345.02	
26 56	13 00-0020	EA	40' High, 9.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 8' Upsweep Style Arm, Anchor Base	4,238.72	555.04
			<i>For Galvanized Finish, Add</i>	93.86	
			<i>For >10 To 20, Deduct</i>	-105.97	
			<i>For >20 To 40, Deduct</i>	-211.94	
			<i>For >40, Deduct</i>	-345.66	
26 56	13 00-0021		Round Tapered, Steel Roadway Light Poles With Two Upsweep Style Arms <small>(26 56 13 00-0005)</small>		
26 56	13 00-0022	EA	20' High, 5.9" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 4' Upsweep Style Arms, Anchor Base	3,639.87	388.53
			<i>For Galvanized Finish, Add</i>	85.88	
			<i>For >10 To 20, Deduct</i>	-91.00	
			<i>For >20 To 40, Deduct</i>	-181.99	
			<i>For >40, Deduct</i>	-292.42	
26 56	13 00-0023	EA	20' High, 5.9" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 6' Upsweep Style Arms, Anchor Base	3,703.42	402.41
			<i>For Galvanized Finish, Add</i>	86.96	
			<i>For >10 To 20, Deduct</i>	-92.59	
			<i>For >20 To 40, Deduct</i>	-185.17	
			<i>For >40, Deduct</i>	-297.88	
26 56	13 00-0024	EA	20' High, 5.9" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 8' Upsweep Style Arms, Anchor Base	3,758.16	416.28
			<i>For Galvanized Finish, Add</i>	87.77	
			<i>For >10 To 20, Deduct</i>	-93.95	
			<i>For >20 To 40, Deduct</i>	-187.91	
			<i>For >40, Deduct</i>	-302.68	
26 56	13 00-0025	EA	25' High, 5.9" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 4' Upsweep Style Arms, Anchor Base	3,629.76	499.53
			<i>For Galvanized Finish, Add</i>	78.92	
			<i>For >10 To 20, Deduct</i>	-90.74	
			<i>For >20 To 40, Deduct</i>	-181.49	
			<i>For >40, Deduct</i>	-297.21	
26 56	13 00-0026	EA	25' High, 5.9" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 6' Upsweep Style Arms, Anchor Base	3,671.72	513.41
			<i>For Galvanized Finish, Add</i>	79.35	
			<i>For >10 To 20, Deduct</i>	-91.79	
			<i>For >20 To 40, Deduct</i>	-183.59	
			<i>For >40, Deduct</i>	-301.05	
26 56	13 00-0027	EA	25' High, 5.9" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 8' Upsweep Style Arms, Anchor Base	3,705.23	527.28
			<i>For Galvanized Finish, Add</i>	79.52	
			<i>For >10 To 20, Deduct</i>	-92.63	
			<i>For >20 To 40, Deduct</i>	-185.26	
			<i>For >40, Deduct</i>	-304.26	
26 56	13 00-0028	EA	30' High, 6.6" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 4' Upsweep Style Arms, Anchor Base	3,916.26	555.04
			<i>For Galvanized Finish, Add</i>	84.19	
			<i>For >10 To 20, Deduct</i>	-97.91	
			<i>For >20 To 40, Deduct</i>	-195.81	
			<i>For >40, Deduct</i>	-321.47	
26 56	13 00-0029	EA	30' High, 6.6" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 6' Upsweep Style Arms, Anchor Base	3,952.65	568.91
			<i>For Galvanized Finish, Add</i>	84.44	
			<i>For >10 To 20, Deduct</i>	-98.82	
			<i>For >20 To 40, Deduct</i>	-197.63	
			<i>For >40, Deduct</i>	-324.89	
26 56	13 00-0030	EA	30' High, 6.6" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 8' Upsweep Style Arms, Anchor Base	3,985.87	582.79
			<i>For Galvanized Finish, Add</i>	84.61	
			<i>For >10 To 20, Deduct</i>	-99.65	
			<i>For >20 To 40, Deduct</i>	-199.29	
			<i>For >40, Deduct</i>	-328.08	



Electrical	26	26
Lighting	26 50	
Exterior Lighting	26 56	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0031	EA		35' High, 7.3" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 4' Upsweep Style Arms, Anchor Base.....	4,155.60	582.79
			<i>For Galvanized Finish, Add</i>	89.70	
			<i>For >10 To 20, Deduct</i>	-103.89	
			<i>For >20 To 40, Deduct</i>	-207.78	
			<i>For >40, Deduct</i>	-340.81	
26 56 13 00-0032	EA		35' High, 7.3" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 6' Upsweep Style Arms, Anchor Base.....	4,220.50	596.66
			<i>For Galvanized Finish, Add</i>	90.82	
			<i>For >10 To 20, Deduct</i>	-105.51	
			<i>For >20 To 40, Deduct</i>	-211.03	
			<i>For >40, Deduct</i>	-346.37	
26 56 13 00-0033	EA		35' High, 7.3" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 8' Upsweep Style Arms, Anchor Base.....	4,283.48	610.55
			<i>For Galvanized Finish, Add</i>	91.87	
			<i>For >10 To 20, Deduct</i>	-107.09	
			<i>For >20 To 40, Deduct</i>	-214.17	
			<i>For >40, Deduct</i>	-351.79	
26 56 13 00-0034	EA		40' High, 9.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 4' Upsweep Style Arms, Anchor Base.....	4,697.72	610.55
			<i>For Galvanized Finish, Add</i>	104.30	
			<i>For >10 To 20, Deduct</i>	-117.44	
			<i>For >20 To 40, Deduct</i>	-234.89	
			<i>For >40, Deduct</i>	-382.86	
26 56 13 00-0035	EA		40' High, 9.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 6' Upsweep Style Arms, Anchor Base.....	4,731.05	624.42
			<i>For Galvanized Finish, Add</i>	104.47	
			<i>For >10 To 20, Deduct</i>	-118.28	
			<i>For >20 To 40, Deduct</i>	-236.55	
			<i>For >40, Deduct</i>	-386.05	
26 56 13 00-0036	EA		40' High, 9.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 8' Upsweep Style Arms, Anchor Base.....	4,764.56	638.29
			<i>For Galvanized Finish, Add</i>	104.64	
			<i>For >10 To 20, Deduct</i>	-119.11	
			<i>For >20 To 40, Deduct</i>	-238.23	
			<i>For >40, Deduct</i>	-389.26	
26 56 13 00-0037			Round Tapered, Steel Roadway Light Poles With Three Upsweep Style Arms <small>(26 56 13 00-0005)</small>		
26 56 13 00-0038	EA		25' High, 7.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Three 4' Upsweep Style Arms, Anchor Base.....	4,267.04	555.04
			<i>For Galvanized Finish, Add</i>	94.71	
			<i>For >10 To 20, Deduct</i>	-106.68	
			<i>For >20 To 40, Deduct</i>	-213.35	
			<i>For >40, Deduct</i>	-347.78	
26 56 13 00-0039	EA		25' High, 7.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Three 6' Upsweep Style Arms, Anchor Base.....	4,328.20	582.79
			<i>For Galvanized Finish, Add</i>	94.88	
			<i>For >10 To 20, Deduct</i>	-108.21	
			<i>For >20 To 40, Deduct</i>	-216.41	
			<i>For >40, Deduct</i>	-353.75	
26 56 13 00-0040	EA		25' High, 7.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Three 8' Upsweep Style Arms, Anchor Base.....	4,397.82	610.55
			<i>For Galvanized Finish, Add</i>	95.30	
			<i>For >10 To 20, Deduct</i>	-109.95	
			<i>For >20 To 40, Deduct</i>	-219.89	
			<i>For >40, Deduct</i>	-360.36	
26 56 13 00-0041	EA		30' High, 7.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Three 4' Upsweep Style Arms, Anchor Base.....	4,519.54	610.55
			<i>For Galvanized Finish, Add</i>	98.95	
			<i>For >10 To 20, Deduct</i>	-112.99	
			<i>For >20 To 40, Deduct</i>	-225.98	
			<i>For >40, Deduct</i>	-369.49	
26 56 13 00-0042	EA		30' High, 7.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Three 6' Upsweep Style Arms, Anchor Base.....	4,583.41	638.29
			<i>For Galvanized Finish, Add</i>	99.20	
			<i>For >10 To 20, Deduct</i>	-114.59	
			<i>For >20 To 40, Deduct</i>	-229.17	
			<i>For >40, Deduct</i>	-375.67	
26 56 13 00-0043	EA		30' High, 7.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Three 8' Upsweep Style Arms, Anchor Base.....	4,644.57	666.04
			<i>For Galvanized Finish, Add</i>	99.37	
			<i>For >10 To 20, Deduct</i>	-116.11	
			<i>For >20 To 40, Deduct</i>	-232.23	
			<i>For >40, Deduct</i>	-381.65	
26 56 13 00-0044	EA		35' High, 8.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Three 4' Upsweep Style Arms, Anchor Base.....	4,806.80	638.29
			<i>For Galvanized Finish, Add</i>	105.91	
			<i>For >10 To 20, Deduct</i>	-120.17	
			<i>For >20 To 40, Deduct</i>	-240.34	
			<i>For >40, Deduct</i>	-392.42	

26	Electrical
26 50	Lighting
26 56	Exterior Lighting



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56	13 00-0045	EA	35' High, 8.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Three 6' Upsweep Style Arms, Anchor Base	4,867.96	666.04
			<i>For Galvanized Finish, Add</i>	106.08	
			<i>For >10 To 20, Deduct</i>	-121.70	
			<i>For >20 To 40, Deduct</i>	-243.40	
			<i>For >40, Deduct</i>	-398.40	
26 56	13 00-0046	EA	35' High, 8.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Three 8' Upsweep Style Arms, Anchor Base	4,929.14	693.80
			<i>For Galvanized Finish, Add</i>	106.25	
			<i>For >10 To 20, Deduct</i>	-123.23	
			<i>For >20 To 40, Deduct</i>	-246.46	
			<i>For >40, Deduct</i>	-404.38	
26 56	13 00-0047	EA	40' High, 9.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Three 4' Upsweep Style Arms, Anchor Base	5,173.72	666.04
			<i>For Galvanized Finish, Add</i>	115.25	
			<i>For >10 To 20, Deduct</i>	-129.34	
			<i>For >20 To 40, Deduct</i>	-258.69	
			<i>For >40, Deduct</i>	-421.33	
26 56	13 00-0048	EA	40' High, 9.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Three 6' Upsweep Style Arms, Anchor Base	5,234.61	693.80
			<i>For Galvanized Finish, Add</i>	115.41	
			<i>For >10 To 20, Deduct</i>	-130.87	
			<i>For >20 To 40, Deduct</i>	-261.73	
			<i>For >40, Deduct</i>	-427.29	
26 56	13 00-0049	EA	40' High, 9.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Three 8' Upsweep Style Arms, Anchor Base	5,301.43	721.55
			<i>For Galvanized Finish, Add</i>	115.75	
			<i>For >10 To 20, Deduct</i>	-132.54	
			<i>For >20 To 40, Deduct</i>	-265.07	
			<i>For >40, Deduct</i>	-433.68	
26 56	13 00-0050		Round Tapered, Steel Roadway Light Poles With Four Upsweep Style Arms <small>(26 56 13 00-0005)</small>		
26 56	13 00-0051	EA	25' High, 7.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Four 4' Upsweep Style Arms, Anchor Base	4,745.82	610.55
			<i>For Galvanized Finish, Add</i>	105.74	
			<i>For >10 To 20, Deduct</i>	-118.65	
			<i>For >20 To 40, Deduct</i>	-237.29	
			<i>For >40, Deduct</i>	-386.46	
26 56	13 00-0052	EA	25' High, 7.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Four 6' Upsweep Style Arms, Anchor Base	4,837.51	652.17
			<i>For Galvanized Finish, Add</i>	106.00	
			<i>For >10 To 20, Deduct</i>	-120.94	
			<i>For >20 To 40, Deduct</i>	-241.88	
			<i>For >40, Deduct</i>	-395.42	
26 56	13 00-0053	EA	25' High, 7.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Four 8' Upsweep Style Arms, Anchor Base	4,926.35	693.80
			<i>For Galvanized Finish, Add</i>	106.16	
			<i>For >10 To 20, Deduct</i>	-123.16	
			<i>For >20 To 40, Deduct</i>	-246.32	
			<i>For >40, Deduct</i>	-404.17	
26 56	13 00-0054	EA	30' High, 8.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Four 4' Upsweep Style Arms, Anchor Base	5,032.99	666.04
			<i>For Galvanized Finish, Add</i>	111.03	
			<i>For >10 To 20, Deduct</i>	-125.82	
			<i>For >20 To 40, Deduct</i>	-251.65	
			<i>For >40, Deduct</i>	-410.78	
26 56	13 00-0055	EA	30' High, 8.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Four 6' Upsweep Style Arms, Anchor Base	5,122.20	707.67
			<i>For Galvanized Finish, Add</i>	111.21	
			<i>For >10 To 20, Deduct</i>	-128.06	
			<i>For >20 To 40, Deduct</i>	-256.11	
			<i>For >40, Deduct</i>	-419.55	
26 56	13 00-0056	EA	30' High, 8.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Four 8' Upsweep Style Arms, Anchor Base	5,178.76	749.30
			<i>For Galvanized Finish, Add</i>	110.40	
			<i>For >10 To 20, Deduct</i>	-129.47	
			<i>For >20 To 40, Deduct</i>	-258.94	
			<i>For >40, Deduct</i>	-425.87	
26 56	13 00-0057	EA	35' High, 9.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Four 4' Upsweep Style Arms, Anchor Base	5,410.00	693.80
			<i>For Galvanized Finish, Add</i>	120.67	
			<i>For >10 To 20, Deduct</i>	-135.25	
			<i>For >20 To 40, Deduct</i>	-270.50	
			<i>For >40, Deduct</i>	-440.44	
26 56	13 00-0058	EA	35' High, 9.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Four 6' Upsweep Style Arms, Anchor Base	5,537.41	735.42
			<i>For Galvanized Finish, Add</i>	122.00	
			<i>For >10 To 20, Deduct</i>	-138.44	
			<i>For >20 To 40, Deduct</i>	-276.87	
			<i>For >40, Deduct</i>	-452.08	



Electrical	26	26
Lighting	26 50	
Exterior Lighting	26 56	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0059	EA		35' High, 9.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Four 8' Upsweep Style Arms, Anchor Base.....	5,590.81	777.05
			<i>For Galvanized Finish, Add</i>	121.10	
			<i>For >10 To 20, Deduct</i>	-139.77	
			<i>For >20 To 40, Deduct</i>	-279.54	
			<i>For >40, Deduct</i>	-458.16	
26 56 13 00-0060	EA		40' High, 10.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Four 4' Upsweep Style Arms, Anchor Base.....	5,649.43	721.55
			<i>For Galvanized Finish, Add</i>	126.19	
			<i>For >10 To 20, Deduct</i>	-141.24	
			<i>For >20 To 40, Deduct</i>	-282.47	
			<i>For >40, Deduct</i>	-459.78	
26 56 13 00-0061	EA		40' High, 10.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Four 6' Upsweep Style Arms, Anchor Base.....	5,738.26	763.18
			<i>For Galvanized Finish, Add</i>	126.36	
			<i>For >10 To 20, Deduct</i>	-143.46	
			<i>For >20 To 40, Deduct</i>	-286.91	
			<i>For >40, Deduct</i>	-468.53	
26 56 13 00-0062	EA		40' High, 10.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Four 8' Upsweep Style Arms, Anchor Base.....	5,829.96	804.80
			<i>For Galvanized Finish, Add</i>	126.61	
			<i>For >10 To 20, Deduct</i>	-145.75	
			<i>For >20 To 40, Deduct</i>	-291.50	
			<i>For >40, Deduct</i>	-477.49	
26 56 13 00-0063			Round Tapered, Steel Roadway Light Poles With Davit Style Arm <small>(26 56 13 00-0004)</small>		
26 56 13 00-0064			Round Tapered, Steel Roadway Light Poles With Single Davit Style Arm <small>(26 56 13 00-0063)</small>		
26 56 13 00-0065	EA		25' High, 6.4" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 6.5' Davit Style Arm, Anchor Base.....	3,388.67	444.03
			<i>For Galvanized Finish, Add</i>	75.02	
			<i>For >10 To 20, Deduct</i>	-84.72	
			<i>For >20 To 40, Deduct</i>	-169.43	
			<i>For >40, Deduct</i>	-276.35	
26 56 13 00-0066	EA		30' High, 7.1" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 6.5' Davit Style Arm, Anchor Base.....	3,834.81	499.53
			<i>For Galvanized Finish, Add</i>	85.07	
			<i>For >10 To 20, Deduct</i>	-95.87	
			<i>For >20 To 40, Deduct</i>	-191.74	
			<i>For >40, Deduct</i>	-312.59	
26 56 13 00-0067	EA		35' High, 7.8" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 6.5' Davit Style Arm, Anchor Base.....	3,936.97	527.28
			<i>For Galvanized Finish, Add</i>	86.47	
			<i>For >10 To 20, Deduct</i>	-98.42	
			<i>For >20 To 40, Deduct</i>	-196.85	
			<i>For >40, Deduct</i>	-321.64	
26 56 13 00-0068	EA		40' High, 9.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 6.5' Davit Style Arm, Anchor Base.....	4,708.26	555.04
			<i>For Galvanized Finish, Add</i>	107.95	
			<i>For >10 To 20, Deduct</i>	-117.71	
			<i>For >20 To 40, Deduct</i>	-235.41	
			<i>For >40, Deduct</i>	-380.87	
26 56 13 00-0069			Round Tapered, Steel Roadway Light Poles With Truss Style Arms <small>(26 56 13 00-0004)</small>		
26 56 13 00-0070			Round Tapered, Steel Roadway Light Poles With Single Truss Style Arm <small>(26 56 13 00-0069)</small>		
26 56 13 00-0071	EA		25' High, 6.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 10' Truss Style Arm, Anchor Base.....	4,389.66	444.03
			<i>For Galvanized Finish, Add</i>	105.05	
			<i>For >10 To 20, Deduct</i>	-109.74	
			<i>For >20 To 40, Deduct</i>	-219.48	
			<i>For >40, Deduct</i>	-351.43	
26 56 13 00-0072	EA		25' High, 6.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 12' Truss Style Arm, Anchor Base.....	4,432.57	444.03
			<i>For Galvanized Finish, Add</i>	106.34	
			<i>For >10 To 20, Deduct</i>	-110.81	
			<i>For >20 To 40, Deduct</i>	-221.63	
			<i>For >40, Deduct</i>	-354.64	
26 56 13 00-0073	EA		25' High, 7.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 15' Truss Style Arm, Anchor Base.....	4,452.16	444.03
			<i>For Galvanized Finish, Add</i>	106.92	
			<i>For >10 To 20, Deduct</i>	-111.30	
			<i>For >20 To 40, Deduct</i>	-222.61	
			<i>For >40, Deduct</i>	-356.11	
26 56 13 00-0074	EA		30' High, 7.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 10' Truss Style Arm, Anchor Base.....	4,543.58	499.53
			<i>For Galvanized Finish, Add</i>	106.34	
			<i>For >10 To 20, Deduct</i>	-113.59	
			<i>For >20 To 40, Deduct</i>	-227.18	
			<i>For >40, Deduct</i>	-365.75	

26	Electrical
26 50	Lighting
26 56	Exterior Lighting



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56	13 00-0075	EA	30' High, 7.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 12' Truss Style Arm, Anchor Base	4,551.07	499.53
			<i>For Galvanized Finish, Add</i>	106.56	
			<i>For >10 To 20, Deduct</i>	-113.78	
			<i>For >20 To 40, Deduct</i>	-227.55	
			<i>For >40, Deduct</i>	-366.31	
26 56	13 00-0076	EA	30' High, 7.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 15' Truss Style Arm, Anchor Base	4,628.45	499.53
			<i>For Galvanized Finish, Add</i>	108.88	
			<i>For >10 To 20, Deduct</i>	-115.71	
			<i>For >20 To 40, Deduct</i>	-231.42	
			<i>For >40, Deduct</i>	-372.11	
26 56	13 00-0077	EA	35' High, 8.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 10' Truss Style Arm, Anchor Base	4,624.52	527.28
			<i>For Galvanized Finish, Add</i>	107.10	
			<i>For >10 To 20, Deduct</i>	-115.61	
			<i>For >20 To 40, Deduct</i>	-231.23	
			<i>For >40, Deduct</i>	-373.20	
26 56	13 00-0078	EA	35' High, 8.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 12' Truss Style Arm, Anchor Base	4,669.83	527.28
			<i>For Galvanized Finish, Add</i>	108.46	
			<i>For >10 To 20, Deduct</i>	-116.75	
			<i>For >20 To 40, Deduct</i>	-233.49	
			<i>For >40, Deduct</i>	-376.60	
26 56	13 00-0079	EA	35' High, 8.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 15' Truss Style Arm, Anchor Base	4,907.43	527.28
			<i>For Galvanized Finish, Add</i>	115.59	
			<i>For >10 To 20, Deduct</i>	-122.69	
			<i>For >20 To 40, Deduct</i>	-245.37	
			<i>For >40, Deduct</i>	-394.42	
26 56	13 00-0080		Round Tapered, Steel Roadway Light Poles With Two Truss Style Arms <small>(26 56 13 00-0080)</small>		
26 56	13 00-0081	EA	25' High, 6.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 10' Truss Style Arms, Anchor Base	5,753.31	555.04
			<i>For Galvanized Finish, Add</i>	139.30	
			<i>For >10 To 20, Deduct</i>	-143.83	
			<i>For >20 To 40, Deduct</i>	-287.67	
			<i>For >40, Deduct</i>	-459.25	
26 56	13 00-0082	EA	25' High, 6.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 12' Truss Style Arms, Anchor Base	5,849.90	582.79
			<i>For Galvanized Finish, Add</i>	140.53	
			<i>For >10 To 20, Deduct</i>	-146.25	
			<i>For >20 To 40, Deduct</i>	-292.50	
			<i>For >40, Deduct</i>	-467.88	
26 56	13 00-0083	EA	25' High, 7.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 15' Truss Style Arms, Anchor Base	6,066.68	610.55
			<i>For Galvanized Finish, Add</i>	145.37	
			<i>For >10 To 20, Deduct</i>	-151.67	
			<i>For >20 To 40, Deduct</i>	-303.33	
			<i>For >40, Deduct</i>	-485.53	
26 56	13 00-0084	EA	30' High, 7.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 10' Truss Style Arms, Anchor Base	5,840.50	610.55
			<i>For Galvanized Finish, Add</i>	138.58	
			<i>For >10 To 20, Deduct</i>	-146.01	
			<i>For >20 To 40, Deduct</i>	-292.03	
			<i>For >40, Deduct</i>	-468.56	
26 56	13 00-0085	EA	30' High, 7.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 12' Truss Style Arms, Anchor Base	6,108.27	638.29
			<i>For Galvanized Finish, Add</i>	144.95	
			<i>For >10 To 20, Deduct</i>	-152.71	
			<i>For >20 To 40, Deduct</i>	-305.41	
			<i>For >40, Deduct</i>	-490.04	
26 56	13 00-0086	EA	30' High, 8.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 15' Truss Style Arms, Anchor Base	6,268.22	666.04
			<i>For Galvanized Finish, Add</i>	148.08	
			<i>For >10 To 20, Deduct</i>	-156.71	
			<i>For >20 To 40, Deduct</i>	-313.41	
			<i>For >40, Deduct</i>	-503.42	
26 56	13 00-0087	EA	35' High, 8.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 10' Truss Style Arms, Anchor Base	6,014.57	638.29
			<i>For Galvanized Finish, Add</i>	142.14	
			<i>For >10 To 20, Deduct</i>	-150.36	
			<i>For >20 To 40, Deduct</i>	-300.73	
			<i>For >40, Deduct</i>	-483.01	
26 56	13 00-0088	EA	35' High, 8.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 12' Truss Style Arms, Anchor Base	6,372.86	666.04
			<i>For Galvanized Finish, Add</i>	151.22	
			<i>For >10 To 20, Deduct</i>	-159.32	
			<i>For >20 To 40, Deduct</i>	-318.64	
			<i>For >40, Deduct</i>	-511.27	



Electrical	26	26
Lighting	26 50	
Exterior Lighting	26 56	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0089	EA		35' High, 8.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 15' Truss Style Arms, Anchor Base.....	6,583.89	693.80
			<i>For Galvanized Finish, Add</i>	155.89	
			<i>For >10 To 20, Deduct</i>	-164.60	
			<i>For >20 To 40, Deduct</i>	-329.19	
			<i>For >40, Deduct</i>	-528.48	
26 56 13 00-0090			Aluminum Roadway Light Poles <small>(26 56 13 00-0092)</small> Note: Includes satin finish, anchor bolts, cast aluminum base with nut covers, reinforced handhole with cover and grounding provisions, and fixture arm(s).		
26 56 13 00-0091			Round Tapered, Aluminum Roadway Light Poles <small>(26 56 13 00-0090)</small>		
26 56 13 00-0092			Round Tapered, Aluminum Roadway Light Poles With Upsweep Style Arms <small>(26 56 13 00-0091)</small>		
26 56 13 00-0093			Round Tapered, Aluminum Roadway Light Poles With Single Upsweep Style Arm <small>(26 56 13 00-0092)</small>		
26 56 13 00-0094	EA		20' High, 6" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 4' Upsweep Style Arm, Anchor Base.....	2,601.02	333.03
			<i>For >10 To 20, Deduct</i>	-65.03	
			<i>For >20 To 40, Deduct</i>	-130.05	
			<i>For >40, Deduct</i>	-211.73	
26 56 13 00-0095	EA		20' High, 6" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 6' Upsweep Style Arm, Anchor Base.....	2,624.44	333.03
			<i>For >10 To 20, Deduct</i>	-65.61	
			<i>For >20 To 40, Deduct</i>	-131.22	
			<i>For >40, Deduct</i>	-213.48	
26 56 13 00-0096	EA		25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 4' Upsweep Style Arm, Anchor Base.....	3,176.60	444.03
			<i>For >10 To 20, Deduct</i>	-79.42	
			<i>For >20 To 40, Deduct</i>	-158.83	
			<i>For >40, Deduct</i>	-260.45	
26 56 13 00-0097	EA		25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 6' Upsweep Style Arm, Anchor Base.....	3,220.86	444.03
			<i>For >10 To 20, Deduct</i>	-80.52	
			<i>For >20 To 40, Deduct</i>	-161.04	
			<i>For >40, Deduct</i>	-263.77	
26 56 13 00-0098	EA		25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 8' Upsweep Style Arm, Anchor Base.....	3,261.56	444.03
			<i>For >10 To 20, Deduct</i>	-81.54	
			<i>For >20 To 40, Deduct</i>	-163.08	
			<i>For >40, Deduct</i>	-266.82	
26 56 13 00-0099	EA		30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 4' Upsweep Style Arm, Anchor Base.....	3,649.73	499.53
			<i>For >10 To 20, Deduct</i>	-91.24	
			<i>For >20 To 40, Deduct</i>	-182.49	
			<i>For >40, Deduct</i>	-298.71	
26 56 13 00-0100	EA		30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 6' Upsweep Style Arm, Anchor Base.....	3,687.07	499.53
			<i>For >10 To 20, Deduct</i>	-92.18	
			<i>For >20 To 40, Deduct</i>	-184.35	
			<i>For >40, Deduct</i>	-301.51	
26 56 13 00-0101	EA		30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 8' Upsweep Style Arm, Anchor Base.....	3,728.83	499.53
			<i>For >10 To 20, Deduct</i>	-93.22	
			<i>For >20 To 40, Deduct</i>	-186.44	
			<i>For >40, Deduct</i>	-304.64	
26 56 13 00-0102	EA		35' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 4' Upsweep Style Arm, Anchor Base.....	4,296.01	527.28
			<i>For >10 To 20, Deduct</i>	-107.40	
			<i>For >20 To 40, Deduct</i>	-214.80	
			<i>For >40, Deduct</i>	-348.57	
26 56 13 00-0103	EA		35' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 6' Upsweep Style Arm, Anchor Base.....	4,333.26	527.28
			<i>For >10 To 20, Deduct</i>	-108.33	
			<i>For >20 To 40, Deduct</i>	-216.66	
			<i>For >40, Deduct</i>	-351.36	
26 56 13 00-0104	EA		35' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 8' Upsweep Style Arm, Anchor Base.....	4,364.46	527.28
			<i>For >10 To 20, Deduct</i>	-109.11	
			<i>For >20 To 40, Deduct</i>	-218.22	
			<i>For >40, Deduct</i>	-353.70	
26 56 13 00-0105			Round Tapered, Aluminum Roadway Light Poles With Two Upsweep Style Arms <small>(26 56 13 00-0092)</small>		
26 56 13 00-0106	EA		20' High, 6" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 4' Upsweep Style Arms, Anchor Base.....	2,977.95	388.53
			<i>For >10 To 20, Deduct</i>	-74.45	
			<i>For >20 To 40, Deduct</i>	-148.90	
			<i>For >40, Deduct</i>	-242.77	



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0107	EA	20' High, 6" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 6' Upsweep Style Arms, Anchor Base	3,207.48	388.53
		<i>For >10 To 20, Deduct</i>	-80.19	
		<i>For >20 To 40, Deduct</i>	-160.37	
		<i>For >40, Deduct</i>	-259.99	
26 56 13 00-0108	EA	20' High, 6" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 8' Upsweep Style Arms, Anchor Base	3,307.73	416.28
		<i>For >10 To 20, Deduct</i>	-82.69	
		<i>For >20 To 40, Deduct</i>	-165.39	
		<i>For >40, Deduct</i>	-268.89	
26 56 13 00-0109	EA	25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 4' Upsweep Style Arms, Anchor Base	3,540.96	499.53
		<i>For >10 To 20, Deduct</i>	-88.52	
		<i>For >20 To 40, Deduct</i>	-177.05	
		<i>For >40, Deduct</i>	-290.55	
26 56 13 00-0110	EA	25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 6' Upsweep Style Arms, Anchor Base	3,714.82	513.41
		<i>For >10 To 20, Deduct</i>	-92.87	
		<i>For >20 To 40, Deduct</i>	-185.74	
		<i>For >40, Deduct</i>	-304.28	
26 56 13 00-0111	EA	25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 8' Upsweep Style Arms, Anchor Base	3,967.69	527.28
		<i>For >10 To 20, Deduct</i>	-99.19	
		<i>For >20 To 40, Deduct</i>	-198.38	
		<i>For >40, Deduct</i>	-323.94	
26 56 13 00-0112	EA	30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 4' Upsweep Style Arms, Anchor Base	4,094.53	555.04
		<i>For >10 To 20, Deduct</i>	-102.36	
		<i>For >20 To 40, Deduct</i>	-204.73	
		<i>For >40, Deduct</i>	-334.84	
26 56 13 00-0113	EA	30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 6' Upsweep Style Arms, Anchor Base	4,257.83	568.91
		<i>For >10 To 20, Deduct</i>	-106.45	
		<i>For >20 To 40, Deduct</i>	-212.89	
		<i>For >40, Deduct</i>	-347.78	
26 56 13 00-0114	EA	30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 8' Upsweep Style Arms, Anchor Base	4,458.19	582.79
		<i>For >10 To 20, Deduct</i>	-111.45	
		<i>For >20 To 40, Deduct</i>	-222.91	
		<i>For >40, Deduct</i>	-363.50	
26 56 13 00-0115	EA	35' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 4' Upsweep Style Arms, Anchor Base	4,661.23	582.79
		<i>For >10 To 20, Deduct</i>	-116.53	
		<i>For >20 To 40, Deduct</i>	-233.06	
		<i>For >40, Deduct</i>	-378.73	
26 56 13 00-0116	EA	35' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 6' Upsweep Style Arms, Anchor Base	5,111.57	596.66
		<i>For >10 To 20, Deduct</i>	-127.79	
		<i>For >20 To 40, Deduct</i>	-255.58	
		<i>For >40, Deduct</i>	-413.20	
26 56 13 00-0117	EA	35' High, 8" Base OD, 0.250" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 8' Upsweep Style Arms, Anchor Base	5,636.12	610.55
		<i>For >10 To 20, Deduct</i>	-140.90	
		<i>For >20 To 40, Deduct</i>	-281.81	
		<i>For >40, Deduct</i>	-453.24	
26 56 13 00-0118		Round Tapered, Aluminum Roadway Light Poles With Three Upsweep Style Arms <small>(26 56 13 00-0092)</small>		
26 56 13 00-0119	EA	20' High, 6" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Three 4' Upsweep Style Arms, Anchor Base	3,458.46	444.03
		<i>For >10 To 20, Deduct</i>	-86.46	
		<i>For >20 To 40, Deduct</i>	-172.92	
		<i>For >40, Deduct</i>	-281.59	
26 56 13 00-0120	EA	20' High, 6" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Three 6' Upsweep Style Arms, Anchor Base	3,699.62	471.79
		<i>For >10 To 20, Deduct</i>	-92.49	
		<i>For >20 To 40, Deduct</i>	-184.98	
		<i>For >40, Deduct</i>	-301.06	
26 56 13 00-0121	EA	25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Three 4' Upsweep Style Arms, Anchor Base	4,200.22	555.04
		<i>For >10 To 20, Deduct</i>	-105.01	
		<i>For >20 To 40, Deduct</i>	-210.01	
		<i>For >40, Deduct</i>	-342.77	
26 56 13 00-0122	EA	25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Three 6' Upsweep Style Arms, Anchor Base	4,378.51	582.79
		<i>For >10 To 20, Deduct</i>	-109.46	
		<i>For >20 To 40, Deduct</i>	-218.93	
		<i>For >40, Deduct</i>	-357.53	
26 56 13 00-0123	EA	30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Three 4' Upsweep Style Arms, Anchor Base	4,585.40	610.55
		<i>For >10 To 20, Deduct</i>	-114.64	
		<i>For >20 To 40, Deduct</i>	-229.27	
		<i>For >40, Deduct</i>	-374.43	



Electrical	26	26
Lighting	26 50	
Exterior Lighting	26 56	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56	13 00-0124	EA	30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Three 6' Upsweep Style Arms, Anchor Base.....	4,746.61	638.29
			<i>For >10 To 20, Deduct</i>	-118.67	
			<i>For >20 To 40, Deduct</i>	-237.33	
			<i>For >40, Deduct</i>	-387.91	
26 56	13 00-0125	EA	35' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Three 4' Upsweep Style Arms, Anchor Base.....	4,966.45	638.29
			<i>For >10 To 20, Deduct</i>	-124.16	
			<i>For >20 To 40, Deduct</i>	-248.32	
			<i>For >40, Deduct</i>	-404.40	
26 56	13 00-0126	EA	35' High, 8" Base OD, 0.219" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Three 6' Upsweep Style Arms, Anchor Base.....	5,412.09	666.04
			<i>For >10 To 20, Deduct</i>	-135.30	
			<i>For >20 To 40, Deduct</i>	-270.60	
			<i>For >40, Deduct</i>	-439.21	
26 56	13 00-0127	EA	35' High, 8" Base OD, 0.250" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Three 8' Upsweep Style Arms, Anchor Base.....	6,242.67	693.80
			<i>For >10 To 20, Deduct</i>	-156.07	
			<i>For >20 To 40, Deduct</i>	-312.13	
			<i>For >40, Deduct</i>	-502.89	
26 56 13 00-0128 Round Tapered, Aluminum Roadway Light Poles With Four Upsweep Style Arms					
			<small>(26 56 13 00-0092)</small>		
26 56	13 00-0129	EA	20' High, 6" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Four 4' Upsweep Style Arms, Anchor Base.....	3,568.89	499.53
			<i>For >10 To 20, Deduct</i>	-89.22	
			<i>For >20 To 40, Deduct</i>	-178.44	
			<i>For >40, Deduct</i>	-292.64	
26 56	13 00-0130	EA	20' High, 6" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Four 6' Upsweep Style Arms, Anchor Base.....	3,709.44	499.53
			<i>For >10 To 20, Deduct</i>	-92.74	
			<i>For >20 To 40, Deduct</i>	-185.47	
			<i>For >40, Deduct</i>	-303.18	
26 56	13 00-0131	EA	25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Four 4' Upsweep Style Arms, Anchor Base.....	4,594.14	610.55
			<i>For >10 To 20, Deduct</i>	-114.85	
			<i>For >20 To 40, Deduct</i>	-229.71	
			<i>For >40, Deduct</i>	-375.09	
26 56	13 00-0132	EA	25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Four 6' Upsweep Style Arms, Anchor Base.....	4,977.00	652.17
			<i>For >10 To 20, Deduct</i>	-124.43	
			<i>For >20 To 40, Deduct</i>	-248.85	
			<i>For >40, Deduct</i>	-405.88	
26 56	13 00-0133	EA	30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Four 4' Upsweep Style Arms, Anchor Base.....	5,196.19	666.04
			<i>For >10 To 20, Deduct</i>	-129.90	
			<i>For >20 To 40, Deduct</i>	-259.81	
			<i>For >40, Deduct</i>	-423.02	
26 56	13 00-0134	EA	30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Four 6' Upsweep Style Arms, Anchor Base.....	5,547.96	707.67
			<i>For >10 To 20, Deduct</i>	-138.70	
			<i>For >20 To 40, Deduct</i>	-277.40	
			<i>For >40, Deduct</i>	-451.48	
26 56	13 00-0135	EA	35' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Four 4' Upsweep Style Arms, Anchor Base.....	5,474.51	693.80
			<i>For >10 To 20, Deduct</i>	-136.86	
			<i>For >20 To 40, Deduct</i>	-273.73	
			<i>For >40, Deduct</i>	-445.28	
26 56	13 00-0136	EA	35' High, 8" Base OD, 0.219" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Four 6' Upsweep Style Arms, Anchor Base.....	6,245.79	735.42
			<i>For >10 To 20, Deduct</i>	-156.14	
			<i>For >20 To 40, Deduct</i>	-312.29	
			<i>For >40, Deduct</i>	-505.21	
26 56	13 00-0137	EA	35' High, 8" Base OD, 0.250" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Four 8' Upsweep Style Arms, Anchor Base.....	6,925.98	777.05
			<i>For >10 To 20, Deduct</i>	-173.15	
			<i>For >20 To 40, Deduct</i>	-346.30	
			<i>For >40, Deduct</i>	-558.30	
26 56 13 00-0138 Round Tapered, Aluminum Roadway Light Poles With Truss Style Arms					
			<small>(26 56 13 00-0091)</small>		
26 56 13 00-0139 Round Tapered, Aluminum Roadway Light Poles With Single Truss Style Arm					
			<small>(26 56 13 00-0138)</small>		
26 56	13 00-0140	EA	25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 8' Truss Style Arm, Anchor Base.....	3,826.91	444.03
			<i>For >10 To 20, Deduct</i>	-95.67	
			<i>For >20 To 40, Deduct</i>	-191.35	
			<i>For >40, Deduct</i>	-309.22	
26 56	13 00-0141	EA	25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 10' Truss Style Arm, Anchor Base.....	3,858.20	444.03
			<i>For >10 To 20, Deduct</i>	-96.46	
			<i>For >20 To 40, Deduct</i>	-192.91	
			<i>For >40, Deduct</i>	-311.57	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56	13 00-0142	EA	25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 12' Truss Style Arm, Anchor Base.....	3,938.17	444.03
			<i>For >10 To 20, Deduct</i>	-98.45	
			<i>For >20 To 40, Deduct</i>	-196.91	
			<i>For >40, Deduct</i>	-317.56	
26 56	13 00-0143	EA	25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 15' Truss Style Arm, Anchor Base.....	4,058.17	444.03
			<i>For >10 To 20, Deduct</i>	-101.45	
			<i>For >20 To 40, Deduct</i>	-202.91	
			<i>For >40, Deduct</i>	-326.56	
26 56	13 00-0144	EA	30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 8' Truss Style Arm, Anchor Base.....	4,308.96	499.53
			<i>For >10 To 20, Deduct</i>	-107.72	
			<i>For >20 To 40, Deduct</i>	-215.45	
			<i>For >40, Deduct</i>	-348.15	
26 56	13 00-0145	EA	30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 10' Truss Style Arm, Anchor Base.....	4,379.52	499.53
			<i>For >10 To 20, Deduct</i>	-109.49	
			<i>For >20 To 40, Deduct</i>	-218.98	
			<i>For >40, Deduct</i>	-353.44	
26 56	13 00-0146	EA	30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 12' Truss Style Arm, Anchor Base.....	4,454.78	499.53
			<i>For >10 To 20, Deduct</i>	-111.37	
			<i>For >20 To 40, Deduct</i>	-222.74	
			<i>For >40, Deduct</i>	-359.09	
26 56	13 00-0147	EA	30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 15' Truss Style Arm, Anchor Base.....	4,908.77	499.53
			<i>For >10 To 20, Deduct</i>	-122.72	
			<i>For >20 To 40, Deduct</i>	-245.44	
			<i>For >40, Deduct</i>	-393.13	
26 56	13 00-0148	EA	35' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 8' Truss Style Arm, Anchor Base.....	4,687.31	527.28
			<i>For >10 To 20, Deduct</i>	-117.18	
			<i>For >20 To 40, Deduct</i>	-234.37	
			<i>For >40, Deduct</i>	-377.91	
26 56	13 00-0149	EA	35' High, 8" Base OD, 0.219" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 10' Truss Style Arm, Anchor Base.....	5,269.83	527.28
			<i>For >10 To 20, Deduct</i>	-131.75	
			<i>For >20 To 40, Deduct</i>	-263.49	
			<i>For >40, Deduct</i>	-421.60	
26 56	13 00-0150	EA	35' High, 8" Base OD, 0.219" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 12' Truss Style Arm, Anchor Base.....	5,326.57	527.28
			<i>For >10 To 20, Deduct</i>	-133.16	
			<i>For >20 To 40, Deduct</i>	-266.33	
			<i>For >40, Deduct</i>	-425.86	
26 56	13 00-0151	EA	35' High, 8" Base OD, 0.219" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 15' Truss Style Arm, Anchor Base.....	5,686.76	527.28
			<i>For >10 To 20, Deduct</i>	-142.17	
			<i>For >20 To 40, Deduct</i>	-284.34	
			<i>For >40, Deduct</i>	-452.87	
26 56	13 00-0152	EA	35' High, 8" Base OD, 0.250" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 15' Truss Style Arm, Anchor Base.....	6,015.27	527.28
			<i>For >10 To 20, Deduct</i>	-150.38	
			<i>For >20 To 40, Deduct</i>	-300.76	
			<i>For >40, Deduct</i>	-477.51	
26 56	13 00-0153		Round Tapered, Aluminum Roadway Light Poles With Two Truss Style Arms <small>(26 56 13 00-0138)</small>		
26 56	13 00-0154	EA	25' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 10' Truss Style Arms, Anchor Base.....	4,974.18	555.04
			<i>For >10 To 20, Deduct</i>	-124.35	
			<i>For >20 To 40, Deduct</i>	-248.71	
			<i>For >40, Deduct</i>	-400.82	
26 56	13 00-0155	EA	25' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 12' Truss Style Arms, Anchor Base.....	5,109.64	582.79
			<i>For >10 To 20, Deduct</i>	-127.74	
			<i>For >20 To 40, Deduct</i>	-255.48	
			<i>For >40, Deduct</i>	-412.36	
26 56	13 00-0156	EA	25' High, 8" Base OD, 0.219" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 15' Truss Style Arms, Anchor Base.....	5,216.60	610.55
			<i>For >10 To 20, Deduct</i>	-130.42	
			<i>For >20 To 40, Deduct</i>	-260.83	
			<i>For >40, Deduct</i>	-421.77	
26 56	13 00-0157	EA	30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 10' Truss Style Arms, Anchor Base.....	5,353.69	610.55
			<i>For >10 To 20, Deduct</i>	-133.84	
			<i>For >20 To 40, Deduct</i>	-267.68	
			<i>For >40, Deduct</i>	-432.05	
26 56	13 00-0158	EA	30' High, 8" Base OD, 0.219" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 12' Truss Style Arms, Anchor Base.....	5,826.03	638.29
			<i>For >10 To 20, Deduct</i>	-145.65	
			<i>For >20 To 40, Deduct</i>	-291.30	
			<i>For >40, Deduct</i>	-468.87	



Electrical	26	26
Lighting	26 50	
Exterior Lighting	26 56	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0159	EA		30' High, 8" Base OD, 0.250" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 15' Truss Style Arms, Anchor Base.....	6,703.96	666.04
			<i>For >10 To 20, Deduct</i>	-167.60	
			<i>For >20 To 40, Deduct</i>	-335.20	
			<i>For >40, Deduct</i>	-536.10	
26 56 13 00-0160	EA		35' High, 8" Base OD, 0.250" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 10' Truss Style Arms, Anchor Base.....	6,485.65	638.29
			<i>For >10 To 20, Deduct</i>	-162.14	
			<i>For >20 To 40, Deduct</i>	-324.28	
			<i>For >40, Deduct</i>	-518.34	
26 56 13 00-0161	EA		35' High, 10" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 12' Truss Style Arms, Anchor Base.....	6,608.15	666.04
			<i>For >10 To 20, Deduct</i>	-165.20	
			<i>For >20 To 40, Deduct</i>	-330.41	
			<i>For >40, Deduct</i>	-528.91	
26 56 13 00-0162	EA		35' High, 10" Base OD, 0.250" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 15' Truss Style Arms, Anchor Base.....	8,070.06	693.80
			<i>For >10 To 20, Deduct</i>	-201.75	
			<i>For >20 To 40, Deduct</i>	-403.50	
			<i>For >40, Deduct</i>	-639.94	
26 56 13 00-0163			Round Tapered, Aluminum Roadway Light Poles With Davit Style Arm <small>(26 56 13 00-0091)</small>		
26 56 13 00-0164			Round Tapered, Aluminum Roadway Light Poles With Single Davit Style Arm <small>(26 56 13 00-0163)</small>		
26 56 13 00-0165	EA		20' High, 6" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 4' Davit Style Arm, Anchor Base.....	3,148.02	333.03
			<i>For >10 To 20, Deduct</i>	-78.70	
			<i>For >20 To 40, Deduct</i>	-157.40	
			<i>For >40, Deduct</i>	-252.75	
26 56 13 00-0166	EA		20' High, 6" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 6' Davit Style Arm, Anchor Base.....	3,236.44	333.03
			<i>For >10 To 20, Deduct</i>	-80.91	
			<i>For >20 To 40, Deduct</i>	-161.82	
			<i>For >40, Deduct</i>	-259.38	
26 56 13 00-0167	EA		20' High, 6" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 8' Davit Style Arm, Anchor Base.....	3,325.05	333.03
			<i>For >10 To 20, Deduct</i>	-83.13	
			<i>For >20 To 40, Deduct</i>	-166.25	
			<i>For >40, Deduct</i>	-266.03	
26 56 13 00-0168	EA		25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 4' Davit Style Arm, Anchor Base.....	3,731.58	444.03
			<i>For >10 To 20, Deduct</i>	-93.29	
			<i>For >20 To 40, Deduct</i>	-186.58	
			<i>For >40, Deduct</i>	-302.07	
26 56 13 00-0169	EA		25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 6' Davit Style Arm, Anchor Base.....	3,798.97	444.03
			<i>For >10 To 20, Deduct</i>	-94.97	
			<i>For >20 To 40, Deduct</i>	-189.95	
			<i>For >40, Deduct</i>	-307.12	
26 56 13 00-0170	EA		25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 8' Davit Style Arm, Anchor Base.....	3,872.60	444.03
			<i>For >10 To 20, Deduct</i>	-96.82	
			<i>For >20 To 40, Deduct</i>	-193.63	
			<i>For >40, Deduct</i>	-312.65	
26 56 13 00-0171	EA		30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 4' Davit Style Arm, Anchor Base.....	4,212.00	499.53
			<i>For >10 To 20, Deduct</i>	-105.30	
			<i>For >20 To 40, Deduct</i>	-210.60	
			<i>For >40, Deduct</i>	-340.88	
26 56 13 00-0172	EA		30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 6' Davit Style Arm, Anchor Base.....	4,303.49	499.53
			<i>For >10 To 20, Deduct</i>	-107.59	
			<i>For >20 To 40, Deduct</i>	-215.17	
			<i>For >40, Deduct</i>	-347.74	
26 56 13 00-0173	EA		30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 8' Davit Style Arm, Anchor Base.....	4,317.21	499.53
			<i>For >10 To 20, Deduct</i>	-107.93	
			<i>For >20 To 40, Deduct</i>	-215.86	
			<i>For >40, Deduct</i>	-348.77	
26 56 13 00-0174	EA		35' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 4' Davit Style Arm, Anchor Base.....	4,593.03	527.28
			<i>For >10 To 20, Deduct</i>	-114.83	
			<i>For >20 To 40, Deduct</i>	-229.65	
			<i>For >40, Deduct</i>	-370.84	
26 56 13 00-0175	EA		35' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 6' Davit Style Arm, Anchor Base.....	4,633.16	527.28
			<i>For >10 To 20, Deduct</i>	-115.83	
			<i>For >20 To 40, Deduct</i>	-231.66	
			<i>For >40, Deduct</i>	-373.85	
26 56 13 00-0176	EA		35' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 8' Davit Style Arm, Anchor Base.....	4,727.24	527.28
			<i>For >10 To 20, Deduct</i>	-118.18	
			<i>For >20 To 40, Deduct</i>	-236.36	
			<i>For >40, Deduct</i>	-380.91	

26 Electrical
26 50 Lighting
 26 56 Exterior Lighting



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56	13 00-0177		Area Light Poles <small>(26 56 13 00-0001)</small>		
26 56	13 00-0178		Steel Area Light Poles <small>(26 56 13 00-0177)</small> Note: Includes powdercoat finish, anchor bolts, base cover, reinforced handhole with cover and grounding provisions, factory drilled fixture mounting holes and tenon, open or capped top.		
26 56	13 00-0179		Round Straight, Steel Area Light Poles <small>(26 56 13 00-0178)</small>		
26 56	13 00-0180		Round Straight, Steel Area Light Poles, Anchor Base <small>(26 56 13 00-0179)</small>		
	26 56 13 00-0181	EA	10' High, 3" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base.....	785.63	194.27
			For Galvanized Finish, Add	11.91	
			For >10 To 20, Deduct	-25.60	
			For >20 To 40, Deduct	-47.22	
			For >40, Deduct	-98.42	
	26 56 13 00-0182	EA	12' High, 3" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base.....	863.13	222.01
			For Galvanized Finish, Add	12.57	
			For >10 To 20, Deduct	-27.86	
			For >20 To 40, Deduct	-51.54	
			For >40, Deduct	-107.27	
	26 56 13 00-0183	EA	14' High, 3" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base.....	965.93	249.77
			For Galvanized Finish, Add	13.99	
			For >10 To 20, Deduct	-31.14	
			For >20 To 40, Deduct	-57.62	
			For >40, Deduct	-119.91	
	26 56 13 00-0184	EA	16' High, 3" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base.....	1,070.94	277.52
			For Galvanized Finish, Add	15.48	
			For >10 To 20, Deduct	-34.51	
			For >20 To 40, Deduct	-63.87	
			For >40, Deduct	-132.89	
	26 56 13 00-0185	EA	18' High, 3" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base.....	1,148.45	305.27
			For Galvanized Finish, Add	16.14	
			For >10 To 20, Deduct	-36.78	
			For >20 To 40, Deduct	-68.18	
			For >40, Deduct	-141.74	
	26 56 13 00-0186	EA	20' High, 3" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base.....	1,220.44	333.03
			For Galvanized Finish, Add	16.63	
			For >10 To 20, Deduct	-38.83	
			For >20 To 40, Deduct	-72.11	
			For >40, Deduct	-149.76	
	26 56 13 00-0187	EA	10' High, 4" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base.....	814.23	194.27
			For Galvanized Finish, Add	12.77	
			For >10 To 20, Deduct	-26.74	
			For >20 To 40, Deduct	-49.23	
			For >40, Deduct	-102.71	
	26 56 13 00-0188	EA	12' High, 4" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base.....	892.83	222.01
			For Galvanized Finish, Add	13.46	
			For >10 To 20, Deduct	-29.05	
			For >20 To 40, Deduct	-53.62	
			For >40, Deduct	-111.72	
	26 56 13 00-0189	EA	14' High, 4" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base.....	1,025.33	249.77
			For Galvanized Finish, Add	15.77	
			For >10 To 20, Deduct	-33.52	
			For >20 To 40, Deduct	-61.78	
			For >40, Deduct	-128.82	
	26 56 13 00-0190	EA	16' High, 4" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base.....	1,109.44	277.52
			For Galvanized Finish, Add	16.63	
			For >10 To 20, Deduct	-36.05	
			For >20 To 40, Deduct	-66.56	
			For >40, Deduct	-138.66	
	26 56 13 00-0191	EA	18' High, 4" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base.....	1,190.25	305.27
			For Galvanized Finish, Add	17.39	
			For >10 To 20, Deduct	-38.45	
			For >20 To 40, Deduct	-71.11	
			For >40, Deduct	-148.01	
	26 56 13 00-0192	EA	20' High, 4" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base.....	1,260.04	333.03
			For Galvanized Finish, Add	17.82	
			For >10 To 20, Deduct	-40.41	
			For >20 To 40, Deduct	-74.88	
			For >40, Deduct	-155.70	
	26 56 13 00-0193	EA	25' High, 4" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base.....	1,522.76	444.03
			For Galvanized Finish, Add	19.04	
			For >10 To 20, Deduct	-47.59	
			For >20 To 40, Deduct	-88.83	
			For >40, Deduct	-184.01	
	26 56 13 00-0194	EA	10' High, 4-1/2" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base.....	814.23	194.27
			For Galvanized Finish, Add	12.77	
			For >10 To 20, Deduct	-26.74	
			For >20 To 40, Deduct	-49.23	
			For >40, Deduct	-102.71	
	26 56 13 00-0195	EA	12' High, 4-1/2" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base.....	896.13	222.01
			For Galvanized Finish, Add	13.56	
			For >10 To 20, Deduct	-29.18	
			For >20 To 40, Deduct	-53.85	
			For >40, Deduct	-112.22	



Electrical	26	26
Lighting	26 50	
Exterior Lighting	26 56	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0196	EA		14' High, 4-1/2" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,042.93 16.30 -34.22 -63.01 -131.46	249.77
26 56 13 00-0197	EA		16' High, 4-1/2" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,112.74 16.73 -36.18 -66.79 -139.16	277.52
26 56 13 00-0198	EA		18' High, 4-1/2" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,190.25 17.39 -38.45 -71.11 -148.01	305.27
26 56 13 00-0199	EA		20' High, 4-1/2" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,260.04 17.82 -40.41 -74.88 -155.70	333.03
26 56 13 00-0200	EA		25' High, 4-1/2" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,553.56 19.97 -48.82 -90.99 -188.63	444.03
26 56 13 00-0201	EA		30' High, 4-1/2" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,721.77 21.68 -53.88 -100.54 -208.31	499.53
26 56 13 00-0202	EA		20' High, 5" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base..... <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,330.44 19.93 -43.23 -79.81 -166.26	333.03
26 56 13 00-0203	EA		25' High, 5" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base..... <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,567.86 20.39 -49.39 -91.99 -190.78	444.03
26 56 13 00-0204	EA		30' High, 5" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base..... <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,749.27 22.51 -54.98 -102.47 -212.44	499.53
26 56 13 00-0205			Round Tapered, Steel Area Light Poles <small>(26 56 13 00-0178)</small>		
26 56 13 00-0206			Round Tapered, Steel Area Light Poles, Anchor Base <small>(26 56 13 00-0205)</small>		
26 56 13 00-0207	EA		20' High, 5.90" Base OD, 11 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,579.04 27.39 -53.17 -97.21 -203.55	333.03
26 56 13 00-0208	EA		20' High, 6.50" Base OD, 11 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,613.14 28.41 -54.54 -99.60 -208.67	333.03
26 56 13 00-0209	EA		25' High, 5.90" Base OD, 11 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,909.96 30.66 -63.08 -115.94 -242.09	444.03
26 56 13 00-0210	EA		25' High, 7.00" Base OD, 11 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,980.36 32.77 -65.89 -120.86 -252.65	444.03
26 56 13 00-0211	EA		30' High, 6.60" Base OD, 11 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	2,130.97 33.96 -70.25 -129.19 -269.69	499.53
26 56 13 00-0212	EA		30' High, 8.00" Base OD, 11 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	2,248.67 37.49 -74.96 -137.43 -287.35	499.53
26 56 13 00-0213	EA		35' High, 7.30" Base OD, 11 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	2,328.37 38.21 -77.32 -141.89 -296.53	527.28

26	Electrical
26 50	Lighting
26 56	Exterior Lighting



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0214 EA 35' High, 8.50" Base OD, 11 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base.....	2,400.97	527.28
For Galvanized Finish, Add	40.39	
For >10 To 20, Deduct	-80.22	
For >20 To 40, Deduct	-146.98	
For >40, Deduct	-307.42	
26 56 13 00-0215 EA 35' High, 9.50" Base OD, 11 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base.....	2,574.77	527.28
For Galvanized Finish, Add	45.61	
For >10 To 20, Deduct	-87.17	
For >20 To 40, Deduct	-159.14	
For >40, Deduct	-333.49	
26 56 13 00-0216 EA 39' High, 7.82" Base OD, 11 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base.....	2,617.08	555.04
For Galvanized Finish, Add	45.21	
For >10 To 20, Deduct	-88.03	
For >20 To 40, Deduct	-160.99	
For >40, Deduct	-337.06	
26 56 13 00-0217 EA 39' High, 9.00" Base OD, 11 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base.....	2,647.88	555.04
For Galvanized Finish, Add	46.13	
For >10 To 20, Deduct	-89.26	
For >20 To 40, Deduct	-163.15	
For >40, Deduct	-341.68	
26 56 13 00-0218 EA 45' High, 10.00" Base OD, 11 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base.....	3,573.79	721.55
For Galvanized Finish, Add	63.92	
For >10 To 20, Deduct	-121.31	
For >20 To 40, Deduct	-221.30	
For >40, Deduct	-463.91	
26 56 13 00-0219 EA 50' High, 10.00" Base OD, 11 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base.....	3,789.22	832.56
For Galvanized Finish, Add	63.72	
For >10 To 20, Deduct	-126.59	
For >20 To 40, Deduct	-231.94	
For >40, Deduct	-485.13	
26 56 13 00-0220 EA 25' High, 7.00" Base OD, 7 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base.....	2,457.76	444.03
For Galvanized Finish, Add	47.09	
For >10 To 20, Deduct	-84.99	
For >20 To 40, Deduct	-154.28	
For >40, Deduct	-324.26	
26 56 13 00-0221 EA 30' High, 8.00" Base OD, 7 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base.....	2,786.57	499.53
For Galvanized Finish, Add	53.63	
For >10 To 20, Deduct	-96.48	
For >20 To 40, Deduct	-175.08	
For >40, Deduct	-368.03	
26 56 13 00-0222 EA 39' High, 9.00" Base OD, 7 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base.....	3,209.98	555.04
For Galvanized Finish, Add	63.00	
For >10 To 20, Deduct	-111.75	
For >20 To 40, Deduct	-202.50	
For >40, Deduct	-425.99	
26 56 13 00-0223 EA 45' High, 10.00" Base OD, 7 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base.....	3,916.99	721.55
For Galvanized Finish, Add	74.22	
For >10 To 20, Deduct	-135.03	
For >20 To 40, Deduct	-245.33	
For >40, Deduct	-515.39	
26 56 13 00-0224 EA 50' High, 10.00" Base OD, 7 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base.....	4,563.62	832.56
For Galvanized Finish, Add	86.96	
For >10 To 20, Deduct	-157.57	
For >20 To 40, Deduct	-286.15	
For >40, Deduct	-601.29	
26 56 13 00-0225 EA 50' High, 11.00" Base OD, 7 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base.....	5,011.32	832.56
For Galvanized Finish, Add	100.39	
For >10 To 20, Deduct	-175.48	
For >20 To 40, Deduct	-317.49	
For >40, Deduct	-668.44	
26 56 13 00-0226 EA 50' High, 13.00" Base OD, 7 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base.....	6,507.32	832.56
For Galvanized Finish, Add	145.27	
For >10 To 20, Deduct	-235.32	
For >20 To 40, Deduct	-422.21	
For >40, Deduct	-892.84	
26 56 13 00-0227 EA 50' High, 13.00" Base OD, 3 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base.....	7,233.32	832.56
For Galvanized Finish, Add	167.05	
For >10 To 20, Deduct	-264.36	
For >20 To 40, Deduct	-473.03	
For >40, Deduct	-1,001.74	
26 56 13 00-0228 Square Straight, Steel Area Light Poles <small>(26 56 13 00-0178)</small>		
26 56 13 00-0229 Square Straight, Steel Area Light Poles, Anchor Base <small>(26 56 13 00-0228)</small>		
26 56 13 00-0230 EA 10' High, 4" OD, 11 Gauge, Square Straight, Steel Area Light Pole, Anchor Base.....	776.83	194.27
For Galvanized Finish, Add	11.65	
For >10 To 20, Deduct	-25.25	
For >20 To 40, Deduct	-46.61	
For >40, Deduct	-97.10	
26 56 13 00-0231 EA 12' High, 4" OD, 11 Gauge, Square Straight, Steel Area Light Pole, Anchor Base.....	832.33	222.01
For Galvanized Finish, Add	11.65	
For >10 To 20, Deduct	-26.63	
For >20 To 40, Deduct	-49.38	
For >40, Deduct	-102.65	



Electrical	26	26
Lighting	26 50	
Exterior Lighting	26 56	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0232 EA 14' High, 4" OD, 11 Gauge, Square Straight, Steel Area Light Pole, Anchor Base.....	906.53	249.77
For Galvanized Finish, Add	12.21	
For >10 To 20, Deduct	-28.77	
For >20 To 40, Deduct	-53.47	
For >40, Deduct	-111.00	
26 56 13 00-0233 EA 15' High, 4" OD, 11 Gauge, Square Straight, Steel Area Light Pole, Anchor Base.....	960.68	263.65
For Galvanized Finish, Add	13.00	
For >10 To 20, Deduct	-30.52	
For >20 To 40, Deduct	-56.70	
For >40, Deduct	-117.74	
26 56 13 00-0234 EA 16' High, 4" OD, 11 Gauge, Square Straight, Steel Area Light Pole, Anchor Base.....	988.44	277.52
For Galvanized Finish, Add	13.00	
For >10 To 20, Deduct	-31.21	
For >20 To 40, Deduct	-58.09	
For >40, Deduct	-120.51	
26 56 13 00-0235 EA 18' High, 4" OD, 11 Gauge, Square Straight, Steel Area Light Pole, Anchor Base.....	1,056.05	305.27
For Galvanized Finish, Add	13.37	
For >10 To 20, Deduct	-33.08	
For >20 To 40, Deduct	-61.71	
For >40, Deduct	-127.88	
26 56 13 00-0236 EA 20' High, 4" OD, 11 Gauge, Square Straight, Steel Area Light Pole, Anchor Base.....	1,121.44	333.03
For Galvanized Finish, Add	13.66	
For >10 To 20, Deduct	-34.87	
For >20 To 40, Deduct	-65.18	
For >40, Deduct	-134.91	
26 56 13 00-0237 EA 25' High, 4" OD, 11 Gauge, Square Straight, Steel Area Light Pole, Anchor Base.....	1,409.46	444.03
For Galvanized Finish, Add	15.64	
For >10 To 20, Deduct	-43.06	
For >20 To 40, Deduct	-80.90	
For >40, Deduct	-167.02	
26 56 13 00-0238 EA 20' High, 5" OD, 11 Gauge, Square Straight, Steel Area Light Pole, Anchor Base.....	1,269.94	333.03
For Galvanized Finish, Add	18.12	
For >10 To 20, Deduct	-40.81	
For >20 To 40, Deduct	-75.58	
For >40, Deduct	-157.19	
26 56 13 00-0239 EA 25' High, 5" OD, 11 Gauge, Square Straight, Steel Area Light Pole, Anchor Base.....	1,614.06	444.03
For Galvanized Finish, Add	21.78	
For >10 To 20, Deduct	-51.24	
For >20 To 40, Deduct	-95.22	
For >40, Deduct	-197.71	
26 56 13 00-0240 EA 30' High, 5" OD, 11 Gauge, Square Straight, Steel Area Light Pole, Anchor Base.....	1,844.97	499.53
For Galvanized Finish, Add	25.38	
For >10 To 20, Deduct	-58.81	
For >20 To 40, Deduct	-109.17	
For >40, Deduct	-226.79	
26 56 13 00-0241 EA 20' High, 4" OD, 7 Gauge, Square Straight, Steel Area Light Pole, Anchor Base.....	1,229.24	333.03
For Galvanized Finish, Add	16.90	
For >10 To 20, Deduct	-39.18	
For >20 To 40, Deduct	-72.73	
For >40, Deduct	-151.08	
26 56 13 00-0242 EA 25' High, 4" OD, 7 Gauge, Square Straight, Steel Area Light Pole, Anchor Base.....	1,534.86	444.03
For Galvanized Finish, Add	19.40	
For >10 To 20, Deduct	-48.07	
For >20 To 40, Deduct	-89.68	
For >40, Deduct	-185.83	
26 56 13 00-0243 EA 30' High, 4" OD, 7 Gauge, Square Straight, Steel Area Light Pole, Anchor Base.....	1,776.77	499.53
For Galvanized Finish, Add	23.33	
For >10 To 20, Deduct	-56.08	
For >20 To 40, Deduct	-104.39	
For >40, Deduct	-216.56	
26 56 13 00-0244 EA 20' High, 5" OD, 7 Gauge, Square Straight, Steel Area Light Pole, Anchor Base.....	1,368.94	333.03
For Galvanized Finish, Add	21.09	
For >10 To 20, Deduct	-44.77	
For >20 To 40, Deduct	-82.51	
For >40, Deduct	-172.04	
26 56 13 00-0245 EA 25' High, 5" OD, 7 Gauge, Square Straight, Steel Area Light Pole, Anchor Base.....	1,713.06	444.03
For Galvanized Finish, Add	24.75	
For >10 To 20, Deduct	-55.20	
For >20 To 40, Deduct	-102.15	
For >40, Deduct	-212.56	
26 56 13 00-0246 EA 30' High, 5" OD, 7 Gauge, Square Straight, Steel Area Light Pole, Anchor Base.....	1,938.47	499.53
For Galvanized Finish, Add	28.18	
For >10 To 20, Deduct	-62.55	
For >20 To 40, Deduct	-115.71	
For >40, Deduct	-240.82	
26 56 13 00-0247 EA 35' High, 5" OD, 7 Gauge, Square Straight, Steel Area Light Pole, Anchor Base.....	2,130.37	527.28
For Galvanized Finish, Add	32.27	
For >10 To 20, Deduct	-69.40	
For >20 To 40, Deduct	-128.03	
For >40, Deduct	-266.83	
26 56 13 00-0248 EA 30' High, 6" OD, 7 Gauge, Square Straight, Steel Area Light Pole, Anchor Base.....	2,155.17	499.53
For Galvanized Finish, Add	34.68	
For >10 To 20, Deduct	-71.22	
For >20 To 40, Deduct	-130.88	
For >40, Deduct	-273.32	

26	Electrical
26 50	Lighting
26 56	Exterior Lighting



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0249 EA 35' High, 6" OD, 7 Gauge, Square Straight, Steel Area Light Pole, Anchor Base.....	2,348.17	527.28
For Galvanized Finish, Add	38.81	
For >10 To 20, Deduct	-78.11	
For >20 To 40, Deduct	-143.28	
For >40, Deduct	-299.50	
26 56 13 00-0250 EA 40' High, 6" OD, 7 Gauge, Square Straight, Steel Area Light Pole, Anchor Base.....	2,481.78	555.04
For Galvanized Finish, Add	41.15	
For >10 To 20, Deduct	-82.62	
For >20 To 40, Deduct	-151.52	
For >40, Deduct	-316.76	
26 56 13 00-0251 Hinged, Square Straight, Steel Area Light Poles (26 56 13 00-0178)		
26 56 13 00-0252 Hinged, Square Straight, Steel Area Light Poles, Anchor Base (26 56 13 00-0251)		
26 56 13 00-0253 EA 20' High, 6.44" OD, 11 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base	2,490.07	333.03
For Galvanized Finish, Add	54.72	
For >10 To 20, Deduct	-89.61	
For >20 To 40, Deduct	-160.98	
For >40, Deduct	-340.21	
26 56 13 00-0254 EA 25' High, 6.44" OD, 11 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base	2,836.11	444.03
For Galvanized Finish, Add	58.44	
For >10 To 20, Deduct	-100.12	
For >20 To 40, Deduct	-180.77	
For >40, Deduct	-381.01	
26 56 13 00-0255 EA 30' High, 6.44" OD, 11 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base	3,873.76	499.53
For Galvanized Finish, Add	86.24	
For >10 To 20, Deduct	-139.96	
For >20 To 40, Deduct	-251.18	
For >40, Deduct	-531.11	
26 56 13 00-0256 EA 20' High, 7.32" OD, 11 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base	2,534.53	333.03
For Galvanized Finish, Add	56.05	
For >10 To 20, Deduct	-91.39	
For >20 To 40, Deduct	-164.10	
For >40, Deduct	-346.88	
26 56 13 00-0257 EA 25' High, 7.32" OD, 11 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base	3,094.68	444.03
For Galvanized Finish, Add	66.20	
For >10 To 20, Deduct	-110.47	
For >20 To 40, Deduct	-198.87	
For >40, Deduct	-419.80	
26 56 13 00-0258 EA 30' High, 7.32" OD, 11 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base	4,258.69	499.53
For Galvanized Finish, Add	97.79	
For >10 To 20, Deduct	-155.36	
For >20 To 40, Deduct	-278.13	
For >40, Deduct	-588.85	
26 56 13 00-0259 EA 35' High, 7.32" OD, 11 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base	4,851.22	527.28
For Galvanized Finish, Add	113.90	
For >10 To 20, Deduct	-178.23	
For >20 To 40, Deduct	-318.49	
For >40, Deduct	-674.95	
26 56 13 00-0260 EA 39' High, 7.32" OD, 11 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base	5,652.02	555.04
For Galvanized Finish, Add	136.26	
For >10 To 20, Deduct	-209.43	
For >20 To 40, Deduct	-373.44	
For >40, Deduct	-792.30	
26 56 13 00-0261 EA 20' High, 4" OD, 7 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base	2,419.87	333.03
For Galvanized Finish, Add	52.61	
For >10 To 20, Deduct	-86.80	
For >20 To 40, Deduct	-156.07	
For >40, Deduct	-329.68	
26 56 13 00-0262 EA 25' High, 4" OD, 7 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base	2,723.79	444.03
For Galvanized Finish, Add	55.07	
For >10 To 20, Deduct	-95.63	
For >20 To 40, Deduct	-172.90	
For >40, Deduct	-364.17	
26 56 13 00-0263 EA 30' High, 4" OD, 7 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base	3,676.03	499.53
For Galvanized Finish, Add	80.31	
For >10 To 20, Deduct	-132.06	
For >20 To 40, Deduct	-237.34	
For >40, Deduct	-501.45	
26 56 13 00-0264 EA 20' High, 6.44" OD, 7 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base	2,500.60	333.03
For Galvanized Finish, Add	55.04	
For >10 To 20, Deduct	-90.03	
For >20 To 40, Deduct	-161.72	
For >40, Deduct	-341.79	
26 56 13 00-0265 EA 25' High, 6.44" OD, 7 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base	2,989.38	444.03
For Galvanized Finish, Add	63.04	
For >10 To 20, Deduct	-106.25	
For >20 To 40, Deduct	-191.50	
For >40, Deduct	-404.00	
26 56 13 00-0266 EA 30' High, 6.44" OD, 7 Gauge, Hinged Square Straight, Steel Area Light Pole, Anchor Base	4,112.44	499.53
For Galvanized Finish, Add	93.40	
For >10 To 20, Deduct	-149.51	
For >20 To 40, Deduct	-267.89	
For >40, Deduct	-566.91	



Electrical	26	26
Lighting	26 50	
Exterior Lighting	26 56	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0267 EA 20' High, 7.32" OD, 7 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base	2,624.62	333.03
For Galvanized Finish, Add	58.76	
For >10 To 20, Deduct	-94.99	
For >20 To 40, Deduct	-170.40	
For >40, Deduct	-360.39	
26 56 13 00-0268 EA 25' High, 7.32" OD, 7 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base	3,212.85	444.03
For Galvanized Finish, Add	69.74	
For >10 To 20, Deduct	-115.19	
For >20 To 40, Deduct	-207.14	
For >40, Deduct	-437.52	
26 56 13 00-0269 EA 30' High, 7.32" OD, 7 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base	4,375.69	499.53
For Galvanized Finish, Add	101.30	
For >10 To 20, Deduct	-160.04	
For >20 To 40, Deduct	-286.32	
For >40, Deduct	-606.40	
26 56 13 00-0270 EA 35' High, 7.32" OD, 7 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base	4,993.96	527.28
For Galvanized Finish, Add	118.18	
For >10 To 20, Deduct	-183.94	
For >20 To 40, Deduct	-328.49	
For >40, Deduct	-696.37	
26 56 13 00-0271 EA 39' High, 7.32" OD, 7 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base	5,728.07	555.04
For Galvanized Finish, Add	138.54	
For >10 To 20, Deduct	-212.47	
For >20 To 40, Deduct	-378.76	
For >40, Deduct	-803.71	
26 56 13 00-0272 Square Tapered, Steel Area Light Poles <small>(26 56 13 00-0178)</small>		
26 56 13 00-0273 Square Tapered, Steel Area Light Poles, Anchor Base <small>(26 56 13 00-0272)</small>		
26 56 13 00-0274 EA 20' High, 5.25" Base OD, 11 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base.....	1,949.74	333.03
For Galvanized Finish, Add	38.51	
For >10 To 20, Deduct	-68.00	
For >20 To 40, Deduct	-123.16	
For >40, Deduct	-259.16	
26 56 13 00-0275 EA 25' High, 6.00" Base OD, 11 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base.....	2,398.36	444.03
For Galvanized Finish, Add	45.31	
For >10 To 20, Deduct	-82.61	
For >20 To 40, Deduct	-150.12	
For >40, Deduct	-315.35	
26 56 13 00-0276 EA 30' High, 6.41" Base OD, 11 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base.....	2,673.27	499.53
For Galvanized Finish, Add	50.23	
For >10 To 20, Deduct	-91.94	
For >20 To 40, Deduct	-167.15	
For >40, Deduct	-351.04	
26 56 13 00-0277 EA 35' High, 6.81" Base OD, 11 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base.....	2,945.47	527.28
For Galvanized Finish, Add	56.73	
For >10 To 20, Deduct	-102.00	
For >20 To 40, Deduct	-185.09	
For >40, Deduct	-389.09	
26 56 13 00-0278 EA 39' High, 7.18" Base OD, 11 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base.....	3,104.38	555.04
For Galvanized Finish, Add	59.83	
For >10 To 20, Deduct	-107.52	
For >20 To 40, Deduct	-195.11	
For >40, Deduct	-410.15	
26 56 13 00-0279 EA 20' High, 5.50" Base OD, 7 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base	2,443.64	333.03
For Galvanized Finish, Add	53.33	
For >10 To 20, Deduct	-87.76	
For >20 To 40, Deduct	-157.73	
For >40, Deduct	-333.24	
26 56 13 00-0280 EA 25' High, 6.41" Base OD, 7 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base	2,785.56	444.03
For Galvanized Finish, Add	56.93	
For >10 To 20, Deduct	-98.10	
For >20 To 40, Deduct	-177.23	
For >40, Deduct	-373.43	
26 56 13 00-0281 EA 30' High, 6.41" Base OD, 7 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base	2,990.07	499.53
For Galvanized Finish, Add	59.73	
For >10 To 20, Deduct	-104.62	
For >20 To 40, Deduct	-189.32	
For >40, Deduct	-398.56	
26 56 13 00-0282 EA 30' High, 7.13" Base OD, 7 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base	3,280.47	499.53
For Galvanized Finish, Add	68.44	
For >10 To 20, Deduct	-116.23	
For >20 To 40, Deduct	-209.65	
For >40, Deduct	-442.12	
26 56 13 00-0283 EA 35' High, 7.13" Base OD, 7 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base	3,544.97	527.28
For Galvanized Finish, Add	74.71	
For >10 To 20, Deduct	-125.98	
For >20 To 40, Deduct	-227.06	
For >40, Deduct	-479.02	
26 56 13 00-0284 EA 35' High, 7.88" Base OD, 7 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base	3,904.67	527.28
For Galvanized Finish, Add	85.50	
For >10 To 20, Deduct	-140.37	
For >20 To 40, Deduct	-252.24	
For >40, Deduct	-532.97	

26 Electrical
26 50 Lighting
26 56 Exterior Lighting



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0285	EA		39' High, 7.13" Base OD, 7 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base.....	3,616.98	555.04
			<i>For Galvanized Finish, Add</i>	75.21	
			<i>For >10 To 20, Deduct</i>	-128.03	
			<i>For >20 To 40, Deduct</i>	-230.99	
			<i>For >40, Deduct</i>	-487.04	
26 56 13 00-0286	EA		39' High, 8.75" Base OD, 7 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base.....	4,502.48	555.04
			<i>For Galvanized Finish, Add</i>	101.77	
			<i>For >10 To 20, Deduct</i>	-163.45	
			<i>For >20 To 40, Deduct</i>	-292.97	
			<i>For >40, Deduct</i>	-619.87	
26 56 13 00-0287	EA		45' High, 7.88" Base OD, 7 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base.....	4,322.89	721.55
			<i>For Galvanized Finish, Add</i>	86.39	
			<i>For >10 To 20, Deduct</i>	-151.27	
			<i>For >20 To 40, Deduct</i>	-273.74	
			<i>For >40, Deduct</i>	-576.28	
26 56 13 00-0288	EA		45' High, 8.75" Base OD, 7 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base.....	4,926.79	721.55
			<i>For Galvanized Finish, Add</i>	104.51	
			<i>For >10 To 20, Deduct</i>	-175.43	
			<i>For >20 To 40, Deduct</i>	-316.01	
			<i>For >40, Deduct</i>	-666.86	
26 56 13 00-0289	EA		50' High, 8.81" Base OD, 7 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base.....	5,179.62	832.56
			<i>For Galvanized Finish, Add</i>	105.44	
			<i>For >10 To 20, Deduct</i>	-182.21	
			<i>For >20 To 40, Deduct</i>	-329.27	
			<i>For >40, Deduct</i>	-693.69	
26 56 13 00-0290			Factory Accessories For Steel Area Light Poles <small>(26 56 13 00-0178)</small>		
26 56 13 00-0291	EA		1/2", 3/4" Or 1" Factory Threaded Pipe Coupling Or Nipple For Steel Area Light Poles.....	39.00	
26 56 13 00-0292	EA		Festoon Outlet Provision For Steel Area Light Poles.....	54.00	
			Note: Excludes electrical outlet.		
26 56 13 00-0293	EA		Extra Handhole For Steel Area Light Poles	58.00	
26 56 13 00-0294	EA		Vibration Dampener For Steel Area Light Poles	59.00	
26 56 13 00-0295			Aluminum Area Light Poles <small>(26 56 13 00-0177)</small>		
			Note: Includes satin brushed or painted finish, anchor bolts, base cover, reinforced handhole with cover and grounding provisions, factory drilled fixture mounting holes and tenon, open or capped top.		
26 56 13 00-0296			Round Straight, Aluminum Area Light Poles <small>(26 56 13 00-0295)</small>		
26 56 13 00-0297			Round Straight, Aluminum Area Light Poles, Anchor Base <small>(26 56 13 00-0296)</small>		
26 56 13 00-0298	EA		8' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Anchor Base	762.03	166.51
			<i>For Bronze Or Satin Anodized Finish, Add</i>	42.90	
			<i>For Black Anodized Finish, Add</i>	85.80	
			<i>For >10 To 20, Deduct</i>	-25.49	
			<i>For >20 To 40, Deduct</i>	-46.68	
			<i>For >40, Deduct</i>	-97.65	
26 56 13 00-0299	EA		10' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Anchor Base	839.53	194.27
			<i>For Bronze Or Satin Anodized Finish, Add</i>	45.10	
			<i>For Black Anodized Finish, Add</i>	90.20	
			<i>For >10 To 20, Deduct</i>	-27.75	
			<i>For >20 To 40, Deduct</i>	-51.00	
			<i>For >40, Deduct</i>	-106.50	
26 56 13 00-0300	EA		12' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Anchor Base	922.53	222.01
			<i>For Bronze Or Satin Anodized Finish, Add</i>	47.85	
			<i>For Black Anodized Finish, Add</i>	95.70	
			<i>For >10 To 20, Deduct</i>	-30.24	
			<i>For >20 To 40, Deduct</i>	-55.70	
			<i>For >40, Deduct</i>	-116.18	
26 56 13 00-0301	EA		14' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Anchor Base	1,006.63	249.77
			<i>For Bronze Or Satin Anodized Finish, Add</i>	50.71	
			<i>For Black Anodized Finish, Add</i>	101.42	
			<i>For >10 To 20, Deduct</i>	-32.77	
			<i>For >20 To 40, Deduct</i>	-60.47	
			<i>For >40, Deduct</i>	-126.02	
26 56 13 00-0302	EA		15' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Anchor Base	1,053.08	263.65
			<i>For Bronze Or Satin Anodized Finish, Add</i>	52.58	
			<i>For Black Anodized Finish, Add</i>	105.16	
			<i>For >10 To 20, Deduct</i>	-34.21	
			<i>For >20 To 40, Deduct</i>	-63.17	
			<i>For >40, Deduct</i>	-131.60	
26 56 13 00-0303	EA		16' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Anchor Base	1,098.44	277.52
			<i>For Bronze Or Satin Anodized Finish, Add</i>	54.34	
			<i>For Black Anodized Finish, Add</i>	108.68	
			<i>For >10 To 20, Deduct</i>	-35.61	
			<i>For >20 To 40, Deduct</i>	-65.79	
			<i>For >40, Deduct</i>	-137.01	
26 56 13 00-0304	EA		16' High, 4" OD, 0.188", Round Straight, Aluminum Area Light Pole, Anchor Base	1,164.44	277.52
			<i>For Bronze Or Satin Anodized Finish, Add</i>	60.94	
			<i>For Black Anodized Finish, Add</i>	121.88	
			<i>For >10 To 20, Deduct</i>	-38.25	
			<i>For >20 To 40, Deduct</i>	-70.41	
			<i>For >40, Deduct</i>	-146.91	



Electrical	26	
Lighting	26 50	26
Exterior Lighting	26 56	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56	13 00-0305	EA	18' High, 4" OD, 0.188", Round Straight, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,261.75 65.12 130.24 -41.31 -76.11 -158.74	305.27
26 56	13 00-0306	EA	20' High, 4" OD, 0.188", Round Straight, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,352.44 68.64 137.28 -44.11 -81.35 -169.56	333.03
26 56	13 00-0307	EA	15' High, 5" OD, 0.188", Round Straight, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,296.18 76.89 153.78 -43.94 -80.19 -168.06	263.65
26 56	13 00-0308	EA	20' High, 5" OD, 0.188", Round Straight, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,595.54 92.95 185.90 -53.83 -98.37 -206.03	333.03
26 56	13 00-0309	EA	20' High, 6" OD, 0.188", Round Straight, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,718.74 105.27 210.54 -58.76 -106.99 -224.51	333.03
26 56	13 00-0310	EA	25' High, 6" OD, 0.188", Round Straight, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	2,056.26 116.82 233.64 -68.93 -126.18 -264.04	444.03
26 56	13 00-0311	EA	30' High, 6" OD, 0.188", Round Straight, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	2,386.17 138.71 277.42 -80.46 -147.05 -307.97	499.53
26 56	13 00-0312	EA	20' High, 4" OD, 0.250", Round Straight, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,428.34 76.23 152.46 -47.14 -86.66 -180.95	333.03
26 56	13 00-0313	EA	20' High, 5" OD, 0.250", Round Straight, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,708.84 104.28 208.56 -58.36 -106.30 -223.02	333.03
26 56	13 00-0314	EA	25' High, 5" OD, 0.250", Round Straight, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	2,038.66 115.06 230.12 -68.23 -124.95 -261.40	444.03
26 56	13 00-0315	EA	25' High, 6" OD, 0.250", Round Straight, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	2,198.16 131.01 262.02 -74.61 -136.11 -285.32	444.03
26 56	13 00-0316	EA	30' High, 6" OD, 0.250", Round Straight, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	2,566.57 156.75 313.50 -87.68 -159.68 -335.03	499.53
26 56 13 00-0317 Round Straight, Aluminum Area Light Poles, Hinged Anchor Base (26 56 13 00-0296)					
26 56	13 00-0318	EA	8' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	874.23 81.18 -29.97 -54.54 -114.48	166.51
26 56	13 00-0319	EA	10' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	973.73 87.78 -33.12 -60.39 -126.63	194.27

26	Electrical
26 50	Lighting
26 56	Exterior Lighting



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0320 EA 12' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,068.83 93.72 -36.09 -65.94 -138.12	222.01
26 56 13 00-0321 EA 14' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,143.03 96.53 -38.23 -70.02 -146.48	249.77
26 56 13 00-0322 EA 16' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,230.44 101.31 -40.89 -75.03 -156.81	277.52
26 56 13 00-0323 EA 10' High, 5" OD, 0.125", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	996.83 91.25 -34.05 -62.01 -130.10	194.27
26 56 13 00-0324 EA 12' High, 5" OD, 0.125", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,089.73 96.86 -36.93 -67.40 -141.26	222.01
26 56 13 00-0325 EA 14' High, 5" OD, 0.125", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,185.93 102.96 -39.94 -73.02 -152.91	249.77
26 56 13 00-0326 EA 16' High, 5" OD, 0.125", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,281.04 108.90 -42.92 -78.57 -164.40	277.52
26 56 13 00-0327 EA 18' High, 5" OD, 0.125", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,381.65 115.67 -46.11 -84.50 -176.72	305.27
26 56 13 00-0328 EA 20' High, 5" OD, 0.125", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,475.64 121.44 -49.04 -89.97 -188.04	333.03
26 56 13 00-0329 EA 12' High, 5" OD, 0.156", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,132.63 103.29 -38.64 -70.40 -147.69	222.01
26 56 13 00-0330 EA 14' High, 5" OD, 0.156", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,236.53 110.55 -41.97 -76.57 -160.50	249.77
26 56 13 00-0331 EA 16' High, 5" OD, 0.156", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,339.34 117.65 -45.25 -82.65 -173.15	277.52
26 56 13 00-0332 EA 18' High, 5" OD, 0.156", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,444.35 125.07 -48.62 -88.89 -186.13	305.27
26 56 13 00-0333 EA 16' High, 6" OD, 0.156", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,400.94 126.89 -47.71 -86.97 -182.39	277.52
26 56 13 00-0334 EA 20' High, 6" OD, 0.156", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,619.74 143.06 -54.80 -100.06 -209.66	333.03
26 56 13 00-0335 EA 12' High, 5" OD, 0.188", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,173.33 109.40 -40.27 -73.25 -153.80	222.01
26 56 13 00-0336 EA 14' High, 5" OD, 0.188", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,289.33 118.47 -44.08 -80.26 -168.42	249.77



Electrical	26	26
Lighting	26 50	
Exterior Lighting	26 56	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0337	EA		16' High, 5" OD, 0.188", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base.....	1,394.34	277.52
			<i>For Bronze, Satin Or Black Anodized Finish, Add</i>	125.90	
			<i>For >10 To 20, Deduct</i>	-47.45	
			<i>For >20 To 40, Deduct</i>	-86.50	
			<i>For >40, Deduct</i>	-181.40	
26 56 13 00-0338	EA		18' High, 5" OD, 0.188", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base.....	1,505.95	305.27
			<i>For Bronze, Satin Or Black Anodized Finish, Add</i>	134.31	
			<i>For >10 To 20, Deduct</i>	-51.08	
			<i>For >20 To 40, Deduct</i>	-93.21	
			<i>For >40, Deduct</i>	-195.37	
26 56 13 00-0339	EA		20' High, 5" OD, 0.188", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base.....	1,614.24	333.03
			<i>For Bronze, Satin Or Black Anodized Finish, Add</i>	142.23	
			<i>For >10 To 20, Deduct</i>	-54.58	
			<i>For >20 To 40, Deduct</i>	-99.68	
			<i>For >40, Deduct</i>	-208.83	
26 56 13 00-0340	EA		16' High, 6" OD, 0.188", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base.....	1,474.64	277.52
			<i>For Bronze, Satin Or Black Anodized Finish, Add</i>	137.94	
			<i>For >10 To 20, Deduct</i>	-50.66	
			<i>For >20 To 40, Deduct</i>	-92.12	
			<i>For >40, Deduct</i>	-193.44	
26 56 13 00-0341	EA		18' High, 6" OD, 0.188", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base.....	1,596.15	305.27
			<i>For Bronze, Satin Or Black Anodized Finish, Add</i>	147.84	
			<i>For >10 To 20, Deduct</i>	-54.69	
			<i>For >20 To 40, Deduct</i>	-99.52	
			<i>For >40, Deduct</i>	-208.90	
26 56 13 00-0342	EA		20' High, 6" OD, 0.188", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base.....	1,648.34	333.03
			<i>For Bronze, Satin Or Black Anodized Finish, Add</i>	147.35	
			<i>For >10 To 20, Deduct</i>	-55.94	
			<i>For >20 To 40, Deduct</i>	-102.06	
			<i>For >40, Deduct</i>	-213.95	
26 56 13 00-0343			Round Straight, Aluminum Area Light Poles, Direct Burial <small>(26 56 13 00-0296)</small>		
			Note: Includes rubberized undercoating on embedded portion.		
26 56 13 00-0344	EA		10' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Direct Burial	682.32	138.76
			<i>For Bronze Or Satin Anodized Finish, Add</i>	40.48	
			<i>For Black Anodized Finish, Add</i>	80.96	
			<i>For >10 To 20, Deduct</i>	-23.13	
			<i>For >20 To 40, Deduct</i>	-42.21	
			<i>For >40, Deduct</i>	-88.47	
26 56 13 00-0345	EA		12' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Direct Burial	730.97	152.63
			<i>For Bronze Or Satin Anodized Finish, Add</i>	42.57	
			<i>For Black Anodized Finish, Add</i>	85.14	
			<i>For >10 To 20, Deduct</i>	-24.66	
			<i>For >20 To 40, Deduct</i>	-45.06	
			<i>For >40, Deduct</i>	-94.38	
26 56 13 00-0346	EA		14' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Direct Burial	808.23	166.51
			<i>For Bronze Or Satin Anodized Finish, Add</i>	47.52	
			<i>For Black Anodized Finish, Add</i>	95.04	
			<i>For >10 To 20, Deduct</i>	-27.33	
			<i>For >20 To 40, Deduct</i>	-49.92	
			<i>For >40, Deduct</i>	-104.58	
26 56 13 00-0347	EA		15' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Direct Burial	833.53	166.51
			<i>For Bronze Or Satin Anodized Finish, Add</i>	50.05	
			<i>For Black Anodized Finish, Add</i>	100.10	
			<i>For >10 To 20, Deduct</i>	-28.35	
			<i>For >20 To 40, Deduct</i>	-51.69	
			<i>For >40, Deduct</i>	-108.38	
26 56 13 00-0348	EA		16' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Direct Burial	865.43	166.51
			<i>For Bronze Or Satin Anodized Finish, Add</i>	53.24	
			<i>For Black Anodized Finish, Add</i>	106.48	
			<i>For >10 To 20, Deduct</i>	-29.62	
			<i>For >20 To 40, Deduct</i>	-53.92	
			<i>For >40, Deduct</i>	-113.16	
26 56 13 00-0349	EA		18' High, 4" OD, 0.188", Round Straight, Aluminum Area Light Pole, Direct Burial	989.97	180.39
			<i>For Bronze Or Satin Anodized Finish, Add</i>	62.92	
			<i>For Black Anodized Finish, Add</i>	125.84	
			<i>For >10 To 20, Deduct</i>	-34.19	
			<i>For >20 To 40, Deduct</i>	-62.08	
			<i>For >40, Deduct</i>	-130.46	
26 56 13 00-0350	EA		20' High, 4" OD, 0.188", Round Straight, Aluminum Area Light Pole, Direct Burial	1,058.43	194.27
			<i>For Bronze Or Satin Anodized Finish, Add</i>	66.99	
			<i>For Black Anodized Finish, Add</i>	133.98	
			<i>For >10 To 20, Deduct</i>	-36.51	
			<i>For >20 To 40, Deduct</i>	-66.32	
			<i>For >40, Deduct</i>	-139.34	
26 56 13 00-0351	EA		20' High, 5" OD, 0.188", Round Straight, Aluminum Area Light Pole, Direct Burial	1,228.93	194.27
			<i>For Bronze Or Satin Anodized Finish, Add</i>	84.04	
			<i>For Black Anodized Finish, Add</i>	168.08	
			<i>For >10 To 20, Deduct</i>	-43.33	
			<i>For >20 To 40, Deduct</i>	-78.25	
			<i>For >40, Deduct</i>	-164.91	

26 Electrical
26 50 Lighting
26 56 Exterior Lighting



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0352	EA		25' High, 6" OD, 0.188", Round Straight, Aluminum Area Light Pole, Direct Burial	1,503.33	222.01
			<i>For Bronze Or Satin Anodized Finish, Add</i>	105.93	
			<i>For Black Anodized Finish, Add</i>	211.86	
			<i>For >10 To 20, Deduct</i>	-53.47	
			<i>For >20 To 40, Deduct</i>	-96.35	
			<i>For >40, Deduct</i>	-203.30	
26 56 13 00-0353	EA		30' High, 6" OD, 0.188", Round Straight, Aluminum Area Light Pole, Direct Burial	1,706.23	249.77
			<i>For Bronze Or Satin Anodized Finish, Add</i>	120.67	
			<i>For Black Anodized Finish, Add</i>	241.34	
			<i>For >10 To 20, Deduct</i>	-60.76	
			<i>For >20 To 40, Deduct</i>	-109.45	
			<i>For >40, Deduct</i>	-230.96	
26 56 13 00-0354	EA		30' High, 6" OD, 0.250", Round Straight, Aluminum Area Light Pole, Direct Burial	1,907.53	249.77
			<i>For Bronze Or Satin Anodized Finish, Add</i>	140.80	
			<i>For Black Anodized Finish, Add</i>	281.60	
			<i>For >10 To 20, Deduct</i>	-68.81	
			<i>For >20 To 40, Deduct</i>	-123.54	
			<i>For >40, Deduct</i>	-261.15	
26 56 13 00-0355			Round Tapered, Aluminum Area Light Poles <small>(26 56 13 00-0295)</small>		
26 56 13 00-0356			Round Tapered, Aluminum Area Light Poles, Anchor Base <small>(26 56 13 00-0355)</small>		
26 56 13 00-0357	EA		8' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Anchor Base	644.33	166.51
			<i>For Bronze Or Satin Anodized Finish, Add</i>	31.13	
			<i>For Black Anodized Finish, Add</i>	62.26	
			<i>For >10 To 20, Deduct</i>	-20.78	
			<i>For >20 To 40, Deduct</i>	-38.44	
			<i>For >40, Deduct</i>	-80.00	
26 56 13 00-0358	EA		10' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Anchor Base	725.13	194.27
			<i>For Bronze Or Satin Anodized Finish, Add</i>	33.66	
			<i>For Black Anodized Finish, Add</i>	67.32	
			<i>For >10 To 20, Deduct</i>	-23.18	
			<i>For >20 To 40, Deduct</i>	-42.99	
			<i>For >40, Deduct</i>	-89.34	
26 56 13 00-0359	EA		12' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Anchor Base	805.93	222.01
			<i>For Bronze Or Satin Anodized Finish, Add</i>	36.19	
			<i>For Black Anodized Finish, Add</i>	72.38	
			<i>For >10 To 20, Deduct</i>	-25.58	
			<i>For >20 To 40, Deduct</i>	-47.53	
			<i>For >40, Deduct</i>	-98.69	
26 56 13 00-0360	EA		14' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Anchor Base	896.63	249.77
			<i>For Bronze Or Satin Anodized Finish, Add</i>	39.71	
			<i>For Black Anodized Finish, Add</i>	79.42	
			<i>For >10 To 20, Deduct</i>	-28.37	
			<i>For >20 To 40, Deduct</i>	-52.77	
			<i>For >40, Deduct</i>	-109.52	
26 56 13 00-0361	EA		16' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Anchor Base	986.24	277.52
			<i>For Bronze Or Satin Anodized Finish, Add</i>	43.12	
			<i>For Black Anodized Finish, Add</i>	86.24	
			<i>For >10 To 20, Deduct</i>	-31.12	
			<i>For >20 To 40, Deduct</i>	-57.94	
			<i>For >40, Deduct</i>	-120.18	
26 56 13 00-0362	EA		10' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Anchor Base	753.73	194.27
			<i>For Bronze Or Satin Anodized Finish, Add</i>	36.52	
			<i>For Black Anodized Finish, Add</i>	73.04	
			<i>For >10 To 20, Deduct</i>	-24.32	
			<i>For >20 To 40, Deduct</i>	-44.99	
			<i>For >40, Deduct</i>	-93.63	
26 56 13 00-0363	EA		12' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Anchor Base	851.03	222.01
			<i>For Bronze Or Satin Anodized Finish, Add</i>	40.70	
			<i>For Black Anodized Finish, Add</i>	81.40	
			<i>For >10 To 20, Deduct</i>	-27.38	
			<i>For >20 To 40, Deduct</i>	-50.69	
			<i>For >40, Deduct</i>	-105.45	
26 56 13 00-0364	EA		14' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Anchor Base	945.03	249.77
			<i>For Bronze Or Satin Anodized Finish, Add</i>	44.55	
			<i>For Black Anodized Finish, Add</i>	89.10	
			<i>For >10 To 20, Deduct</i>	-30.31	
			<i>For >20 To 40, Deduct</i>	-56.16	
			<i>For >40, Deduct</i>	-116.78	
26 56 13 00-0365	EA		18' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,125.35	305.27
			<i>For Bronze Or Satin Anodized Finish, Add</i>	51.48	
			<i>For Black Anodized Finish, Add</i>	102.96	
			<i>For >10 To 20, Deduct</i>	-35.86	
			<i>For >20 To 40, Deduct</i>	-66.56	
			<i>For >40, Deduct</i>	-138.28	
26 56 13 00-0366	EA		20' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,208.34	333.03
			<i>For Bronze Or Satin Anodized Finish, Add</i>	54.23	
			<i>For Black Anodized Finish, Add</i>	108.46	
			<i>For >10 To 20, Deduct</i>	-38.34	
			<i>For >20 To 40, Deduct</i>	-71.26	
			<i>For >40, Deduct</i>	-147.95	



Electrical	26	26
Lighting	26 50	
Exterior Lighting	26 56	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56	13 00-0367	EA	12' High, 5" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	891.73 44.77 89.54 -29.01 -53.54 -111.56	222.01
26 56	13 00-0368	EA	14' High, 5" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	992.33 49.28 98.56 -32.20 -59.47 -123.87	249.77
26 56	13 00-0369	EA	16' High, 5" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,100.64 54.56 109.12 -35.70 -65.94 -137.34	277.52
26 56	13 00-0370	EA	18' High, 5" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,189.15 57.86 115.72 -38.41 -71.03 -147.85	305.27
26 56	13 00-0371	EA	20' High, 5" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,293.04 62.70 125.40 -41.73 -77.19 -160.65	333.03
26 56	13 00-0372	EA	16' High, 6" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,208.44 65.34 130.68 -40.01 -73.49 -153.51	277.52
26 56	13 00-0373	EA	18' High, 6" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,326.65 71.61 143.22 -43.91 -80.65 -168.47	305.27
26 56	13 00-0374	EA	20' High, 6" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,399.74 73.37 146.74 -46.00 -84.66 -176.66	333.03
26 56	13 00-0375	EA	23' High, 6" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,608.65 83.16 166.32 -52.69 -97.06 -202.45	388.53
26 56	13 00-0376	EA	25' High, 6" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,824.16 93.61 187.22 -59.65 -109.93 -229.22	444.03
26 56	13 00-0377	EA	18' High, 7" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,434.45 82.39 164.78 -48.22 -88.20 -184.64	305.27
26 56	13 00-0378	EA	20' High, 7" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,530.64 86.46 172.92 -51.24 -93.82 -196.29	333.03
26 56	13 00-0379	EA	23' High, 7" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,712.05 93.50 187.00 -56.83 -104.30 -217.96	388.53
26 56	13 00-0380	EA	25' High, 7" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,903.36 101.53 203.06 -62.81 -115.47 -241.10	444.03

26	Electrical
26 50	Lighting
26 56	Exterior Lighting



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56	13 00-0381	EA	28' High, 7" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base	2,047.96	471.79
			<i>For Bronze Or Satin Anodized Finish, Add</i>	110.44	
			<i>For Black Anodized Finish, Add</i>	220.88	
			<i>For >10 To 20, Deduct</i>	-67.77	
			<i>For >20 To 40, Deduct</i>	-124.49	
			<i>For >40, Deduct</i>	-260.02	
26 56	13 00-0382	EA	30' High, 7" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base	2,194.77	499.53
			<i>For Bronze Or Satin Anodized Finish, Add</i>	119.57	
			<i>For Black Anodized Finish, Add</i>	239.14	
			<i>For >10 To 20, Deduct</i>	-72.80	
			<i>For >20 To 40, Deduct</i>	-133.65	
			<i>For >40, Deduct</i>	-279.26	
26 56	13 00-0383	EA	23' High, 8" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,814.35	388.53
			<i>For Bronze Or Satin Anodized Finish, Add</i>	103.73	
			<i>For Black Anodized Finish, Add</i>	207.46	
			<i>For >10 To 20, Deduct</i>	-60.92	
			<i>For >20 To 40, Deduct</i>	-111.46	
			<i>For >40, Deduct</i>	-233.30	
26 56	13 00-0384	EA	25' High, 8" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,971.56	444.03
			<i>For Bronze Or Satin Anodized Finish, Add</i>	108.35	
			<i>For Black Anodized Finish, Add</i>	216.70	
			<i>For >10 To 20, Deduct</i>	-65.54	
			<i>For >20 To 40, Deduct</i>	-120.25	
			<i>For >40, Deduct</i>	-251.33	
26 56	13 00-0385	EA	28' High, 8" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base	2,121.66	471.79
			<i>For Bronze Or Satin Anodized Finish, Add</i>	117.81	
			<i>For Black Anodized Finish, Add</i>	235.62	
			<i>For >10 To 20, Deduct</i>	-70.71	
			<i>For >20 To 40, Deduct</i>	-129.65	
			<i>For >40, Deduct</i>	-271.07	
26 56	13 00-0386	EA	30' High, 8" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base	2,309.17	499.53
			<i>For Bronze Or Satin Anodized Finish, Add</i>	131.01	
			<i>For Black Anodized Finish, Add</i>	262.02	
			<i>For >10 To 20, Deduct</i>	-77.38	
			<i>For >20 To 40, Deduct</i>	-141.66	
			<i>For >40, Deduct</i>	-296.42	
26 56	13 00-0387	EA	33' High, 8" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base	2,386.42	513.41
			<i>For Bronze Or Satin Anodized Finish, Add</i>	135.96	
			<i>For Black Anodized Finish, Add</i>	271.92	
			<i>For >10 To 20, Deduct</i>	-80.05	
			<i>For >20 To 40, Deduct</i>	-146.51	
			<i>For >40, Deduct</i>	-306.62	
26 56	13 00-0388	EA	35' High, 8" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base	2,547.27	527.28
			<i>For Bronze Or Satin Anodized Finish, Add</i>	149.27	
			<i>For Black Anodized Finish, Add</i>	298.54	
			<i>For >10 To 20, Deduct</i>	-86.07	
			<i>For >20 To 40, Deduct</i>	-157.22	
			<i>For >40, Deduct</i>	-329.36	
26 56	13 00-0389	EA	12' High, 5" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	936.83	222.01
			<i>For Bronze Or Satin Anodized Finish, Add</i>	49.28	
			<i>For Black Anodized Finish, Add</i>	98.56	
			<i>For >10 To 20, Deduct</i>	-30.81	
			<i>For >20 To 40, Deduct</i>	-56.70	
			<i>For >40, Deduct</i>	-118.32	
26 56	13 00-0390	EA	14' High, 5" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,045.13	249.77
			<i>For Bronze Or Satin Anodized Finish, Add</i>	54.56	
			<i>For Black Anodized Finish, Add</i>	109.12	
			<i>For >10 To 20, Deduct</i>	-34.31	
			<i>For >20 To 40, Deduct</i>	-63.17	
			<i>For >40, Deduct</i>	-131.79	
26 56	13 00-0391	EA	16' High, 5" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,157.84	277.52
			<i>For Bronze Or Satin Anodized Finish, Add</i>	60.28	
			<i>For Black Anodized Finish, Add</i>	120.56	
			<i>For >10 To 20, Deduct</i>	-37.99	
			<i>For >20 To 40, Deduct</i>	-69.95	
			<i>For >40, Deduct</i>	-145.92	
26 56	13 00-0392	EA	18' High, 5" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,258.45	305.27
			<i>For Bronze Or Satin Anodized Finish, Add</i>	64.79	
			<i>For Black Anodized Finish, Add</i>	129.58	
			<i>For >10 To 20, Deduct</i>	-41.18	
			<i>For >20 To 40, Deduct</i>	-75.88	
			<i>For >40, Deduct</i>	-158.24	
26 56	13 00-0393	EA	20' High, 5" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,357.94	333.03
			<i>For Bronze Or Satin Anodized Finish, Add</i>	69.19	
			<i>For Black Anodized Finish, Add</i>	138.38	
			<i>For >10 To 20, Deduct</i>	-44.33	
			<i>For >20 To 40, Deduct</i>	-81.74	
			<i>For >40, Deduct</i>	-170.39	
26 56	13 00-0394	EA	16' High, 6" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,277.74	277.52
			<i>For Bronze Or Satin Anodized Finish, Add</i>	72.27	
			<i>For Black Anodized Finish, Add</i>	144.54	
			<i>For >10 To 20, Deduct</i>	-42.78	
			<i>For >20 To 40, Deduct</i>	-78.34	
			<i>For >40, Deduct</i>	-163.91	



Electrical	26	26
Lighting	26 50	
Exterior Lighting	26 56	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56	13 00-0395	EA	18' High, 6" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,399.25 78.87 157.74 -46.81 -85.74 -179.36	305.27
26 56	13 00-0396	EA	20' High, 6" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,486.64 82.06 164.12 -49.48 -90.74 -189.69	333.03
26 56	13 00-0397	EA	23' High, 6" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,690.05 91.30 182.60 -55.95 -102.76 -214.66	388.53
26 56	13 00-0398	EA	25' High, 6" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,900.06 101.20 202.40 -62.68 -115.24 -240.61	444.03
26 56	13 00-0399	EA	23' High, 8" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,938.65 116.16 232.32 -65.89 -120.16 -251.95	388.53
26 56	13 00-0400	EA	25' High, 8" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	2,136.56 124.85 249.70 -72.14 -131.80 -276.08	444.03
26 56	13 00-0401	EA	28' High, 8" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	2,299.86 135.63 271.26 -77.84 -142.12 -297.80	471.79
26 56	13 00-0402	EA	30' High, 8" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	2,444.47 144.54 289.08 -82.79 -151.13 -316.72	499.53
26 56	13 00-0403	EA	33' High, 8" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	2,578.92 155.21 310.42 -87.75 -159.99 -335.50	513.41
26 56	13 00-0404	EA	35' High, 8" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	2,695.77 164.12 328.24 -92.01 -167.61 -351.64	527.28
26 56	13 00-0405	EA	37' High, 8" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	2,795.02 171.27 342.54 -95.57 -174.01 -365.14	541.17
26 56	13 00-0406	EA	39' High, 8" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	2,976.78 186.67 373.34 -102.42 -186.17 -391.01	555.04
26 56	13 00-0407	EA	28' High, 10" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	2,775.06 183.15 366.30 -96.85 -175.38 -369.08	471.79
26 56	13 00-0408	EA	30' High, 10" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	2,994.47 199.54 399.08 -104.79 -189.63 -399.22	499.53

26	Electrical
26 50	Lighting
26 56	Exterior Lighting



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0409 EA 33' High, 10" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	3,150.92	513.41
For Bronze Or Satin Anodized Finish, Add	212.41	
For Black Anodized Finish, Add	424.82	
For >10 To 20, Deduct	-110.63	
For >20 To 40, Deduct	-200.03	
For >40, Deduct	-421.30	
26 56 13 00-0410 EA 35' High, 10" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	3,268.87	527.28
For Bronze Or Satin Anodized Finish, Add	221.43	
For Black Anodized Finish, Add	442.86	
For >10 To 20, Deduct	-114.94	
For >20 To 40, Deduct	-207.73	
For >40, Deduct	-437.60	
26 56 13 00-0411 EA 37' High, 10" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	3,332.92	541.17
For Bronze Or Satin Anodized Finish, Add	225.06	
For Black Anodized Finish, Add	450.12	
For >10 To 20, Deduct	-117.08	
For >20 To 40, Deduct	-211.66	
For >40, Deduct	-445.82	
26 56 13 00-0412 EA 39' High, 10" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	3,533.38	555.04
For Bronze Or Satin Anodized Finish, Add	242.33	
For Black Anodized Finish, Add	484.66	
For >10 To 20, Deduct	-124.68	
For >20 To 40, Deduct	-225.14	
For >40, Deduct	-474.50	
26 56 13 00-0413 EA 28' High, 8" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base	2,624.36	471.79
For Bronze Or Satin Anodized Finish, Add	168.08	
For Black Anodized Finish, Add	336.16	
For >10 To 20, Deduct	-90.82	
For >20 To 40, Deduct	-164.83	
For >40, Deduct	-346.48	
26 56 13 00-0414 EA 30' High, 8" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base	2,823.97	499.53
For Bronze Or Satin Anodized Finish, Add	182.49	
For Black Anodized Finish, Add	364.98	
For >10 To 20, Deduct	-97.97	
For >20 To 40, Deduct	-177.70	
For >40, Deduct	-373.64	
26 56 13 00-0415 EA 33' High, 8" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base	2,901.22	513.41
For Bronze Or Satin Anodized Finish, Add	187.44	
For Black Anodized Finish, Add	374.88	
For >10 To 20, Deduct	-100.65	
For >20 To 40, Deduct	-182.55	
For >40, Deduct	-383.84	
26 56 13 00-0416 EA 35' High, 8" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base	3,104.97	527.28
For Bronze Or Satin Anodized Finish, Add	205.04	
For Black Anodized Finish, Add	410.08	
For >10 To 20, Deduct	-108.38	
For >20 To 40, Deduct	-196.26	
For >40, Deduct	-413.02	
26 56 13 00-0417 EA 37' High, 8" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base	3,203.12	541.17
For Bronze Or Satin Anodized Finish, Add	212.08	
For Black Anodized Finish, Add	424.16	
For >10 To 20, Deduct	-111.89	
For >20 To 40, Deduct	-202.57	
For >40, Deduct	-426.35	
26 56 13 00-0418 EA 39' High, 8" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base	3,404.68	555.04
For Bronze Or Satin Anodized Finish, Add	229.46	
For Black Anodized Finish, Add	458.92	
For >10 To 20, Deduct	-119.54	
For >20 To 40, Deduct	-216.13	
For >40, Deduct	-455.20	
26 56 13 00-0419 EA 28' High, 10" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base	3,312.96	471.79
For Bronze Or Satin Anodized Finish, Add	236.94	
For Black Anodized Finish, Add	473.88	
For >10 To 20, Deduct	-118.37	
For >20 To 40, Deduct	-213.04	
For >40, Deduct	-449.77	
26 56 13 00-0420 EA 30' High, 10" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base	3,502.67	499.53
For Bronze Or Satin Anodized Finish, Add	250.36	
For Black Anodized Finish, Add	500.72	
For >10 To 20, Deduct	-125.12	
For >20 To 40, Deduct	-225.21	
For >40, Deduct	-475.45	
26 56 13 00-0421 EA 33' High, 10" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base	3,661.32	513.41
For Bronze Or Satin Anodized Finish, Add	263.45	
For Black Anodized Finish, Add	526.90	
For >10 To 20, Deduct	-131.05	
For >20 To 40, Deduct	-235.76	
For >40, Deduct	-497.86	
26 56 13 00-0422 EA 35' High, 10" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base	3,909.07	527.28
For Bronze Or Satin Anodized Finish, Add	285.45	
For Black Anodized Finish, Add	570.90	
For >10 To 20, Deduct	-140.54	
For >20 To 40, Deduct	-252.54	
For >40, Deduct	-533.63	



Electrical	26	26
Lighting	26 50	
Exterior Lighting	26 56	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0423 EA 37' High, 10" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base	3,961.02	541.17
For Bronze Or Satin Anodized Finish, Add	287.87	
For Black Anodized Finish, Add	575.74	
For >10 To 20, Deduct	-142.21	
For >20 To 40, Deduct	-255.63	
For >40, Deduct	-540.04	
26 56 13 00-0424 EA 39' High, 10" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base	4,207.68	555.04
For Bronze Or Satin Anodized Finish, Add	309.76	
For Black Anodized Finish, Add	619.52	
For >10 To 20, Deduct	-151.66	
For >20 To 40, Deduct	-272.34	
For >40, Deduct	-575.65	
26 56 13 00-0425 EA 48' High, 10" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base	5,272.02	832.56
For Bronze Or Satin Anodized Finish, Add	360.69	
For Black Anodized Finish, Add	721.38	
For >10 To 20, Deduct	-185.90	
For >20 To 40, Deduct	-335.74	
For >40, Deduct	-707.55	
26 56 13 00-0426 EA 50' High, 10" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base	5,408.42	832.56
For Bronze Or Satin Anodized Finish, Add	374.33	
For Black Anodized Finish, Add	748.66	
For >10 To 20, Deduct	-191.36	
For >20 To 40, Deduct	-345.29	
For >40, Deduct	-728.01	
26 56 13 00-0427 Round Tapered, Aluminum Area Light Poles, Hinged Anchor Base (26 56 13 00-0355)		
26 56 13 00-0428 EA 8' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	880.83	166.51
For Bronze, Satin Or Black Anodized Finish, Add	82.17	
For >10 To 20, Deduct	-30.24	
For >20 To 40, Deduct	-55.00	
For >40, Deduct	-115.47	
26 56 13 00-0429 EA 10' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	959.43	194.27
For Bronze, Satin Or Black Anodized Finish, Add	85.64	
For >10 To 20, Deduct	-32.55	
For >20 To 40, Deduct	-59.39	
For >40, Deduct	-124.49	
26 56 13 00-0430 EA 12' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	1,039.13	222.01
For Bronze, Satin Or Black Anodized Finish, Add	89.27	
For >10 To 20, Deduct	-34.90	
For >20 To 40, Deduct	-63.86	
For >40, Deduct	-133.67	
26 56 13 00-0431 EA 14' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	1,121.03	249.77
For Bronze, Satin Or Black Anodized Finish, Add	93.23	
For >10 To 20, Deduct	-37.35	
For >20 To 40, Deduct	-68.48	
For >40, Deduct	-143.18	
26 56 13 00-0432 EA 16' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	1,201.84	277.52
For Bronze, Satin Or Black Anodized Finish, Add	97.02	
For >10 To 20, Deduct	-39.75	
For >20 To 40, Deduct	-73.03	
For >40, Deduct	-152.52	
26 56 13 00-0433 EA 10' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	972.63	194.27
For Bronze, Satin Or Black Anodized Finish, Add	87.62	
For >10 To 20, Deduct	-33.08	
For >20 To 40, Deduct	-60.31	
For >40, Deduct	-126.47	
26 56 13 00-0434 EA 12' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	1,054.53	222.01
For Bronze, Satin Or Black Anodized Finish, Add	91.58	
For >10 To 20, Deduct	-35.52	
For >20 To 40, Deduct	-64.94	
For >40, Deduct	-135.98	
26 56 13 00-0435 EA 14' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	1,138.63	249.77
For Bronze, Satin Or Black Anodized Finish, Add	95.87	
For >10 To 20, Deduct	-38.05	
For >20 To 40, Deduct	-69.71	
For >40, Deduct	-145.82	
26 56 13 00-0436 EA 16' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	1,221.64	277.52
For Bronze, Satin Or Black Anodized Finish, Add	99.99	
For >10 To 20, Deduct	-40.54	
For >20 To 40, Deduct	-74.41	
For >40, Deduct	-155.49	
26 56 13 00-0437 EA 18' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	1,318.95	305.27
For Bronze, Satin Or Black Anodized Finish, Add	106.26	
For >10 To 20, Deduct	-43.60	
For >20 To 40, Deduct	-80.12	
For >40, Deduct	-167.32	
26 56 13 00-0438 EA 20' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	1,406.34	333.03
For Bronze, Satin Or Black Anodized Finish, Add	111.05	
For >10 To 20, Deduct	-46.26	
For >20 To 40, Deduct	-85.12	
For >40, Deduct	-177.65	

26	Electrical
26 50	Lighting
26 56	Exterior Lighting



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0439 EA 12' High, 5" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,097.43 98.01 -37.24 -67.94 -142.41	222.01
26 56 13 00-0440 EA 14' High, 5" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,187.03 103.13 -39.99 -73.10 -153.08	249.77
26 56 13 00-0441 EA 16' High, 5" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,289.84 110.22 -43.27 -79.19 -165.72	277.52
26 56 13 00-0442 EA 18' High, 5" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,381.65 115.67 -46.11 -84.50 -176.72	305.27
26 56 13 00-0443 EA 20' High, 5" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,487.74 123.26 -49.52 -90.82 -189.86	333.03
26 56 13 00-0444 EA 16' High, 6" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,352.54 119.63 -45.78 -83.58 -175.13	277.52
26 56 13 00-0445 EA 18' High, 6" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,466.35 128.37 -49.50 -90.43 -189.43	305.27
26 56 13 00-0446 EA 20' High, 6" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,555.94 133.49 -52.25 -95.60 -200.09	333.03
26 56 13 00-0447 EA 12' High, 5" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,131.53 103.13 -38.60 -70.33 -147.53	222.01
26 56 13 00-0448 EA 14' High, 5" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,238.73 110.88 -42.06 -76.72 -160.83	249.77
26 56 13 00-0449 EA 16' High, 5" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,352.54 119.63 -45.78 -83.58 -175.13	277.52
26 56 13 00-0450 EA 18' High, 5" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,453.15 126.39 -48.97 -89.51 -187.45	305.27
26 56 13 00-0451 EA 20' High, 5" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,561.44 134.31 -52.47 -95.98 -200.91	333.03
26 56 13 00-0452 EA 16' High, 6" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,424.04 130.35 -48.64 -88.58 -185.85	277.52
26 56 13 00-0453 EA 18' High, 6" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,546.65 140.42 -52.71 -96.05 -201.47	305.27
26 56 13 00-0454 EA 20' High, 6" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,641.74 146.36 -55.68 -101.60 -212.96	333.03

26 56 13 00-0455 Round Tapered, Aluminum Area Light Poles, Direct Burial (26 56 13 00-0355)
Note: Includes rubberized undercoating on embedded portion.



Electrical	26	26
Lighting	26 50	
Exterior Lighting	26 56	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56	13 00-0456	EA	8' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Direct Burial	603.12	138.76
			<i>For Bronze Or Satin Anodized Finish, Add</i>	32.56	
			<i>For Black Anodized Finish, Add</i>	65.12	
			<i>For >10 To 20, Deduct</i>	-19.96	
			<i>For >20 To 40, Deduct</i>	-36.67	
			<i>For >40, Deduct</i>	-76.59	
26 56	13 00-0457	EA	10' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Direct Burial	633.92	138.76
			<i>For Bronze Or Satin Anodized Finish, Add</i>	35.64	
			<i>For Black Anodized Finish, Add</i>	71.28	
			<i>For >10 To 20, Deduct</i>	-21.19	
			<i>For >20 To 40, Deduct</i>	-38.82	
			<i>For >40, Deduct</i>	-81.21	
26 56	13 00-0458	EA	12' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Direct Burial	686.97	152.63
			<i>For Bronze Or Satin Anodized Finish, Add</i>	38.17	
			<i>For Black Anodized Finish, Add</i>	76.34	
			<i>For >10 To 20, Deduct</i>	-22.90	
			<i>For >20 To 40, Deduct</i>	-41.98	
			<i>For >40, Deduct</i>	-87.78	
26 56	13 00-0459	EA	14' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Direct Burial	732.33	166.51
			<i>For Bronze Or Satin Anodized Finish, Add</i>	39.93	
			<i>For Black Anodized Finish, Add</i>	79.86	
			<i>For >10 To 20, Deduct</i>	-24.30	
			<i>For >20 To 40, Deduct</i>	-44.60	
			<i>For >40, Deduct</i>	-93.20	
26 56	13 00-0460	EA	16' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Direct Burial	771.93	166.51
			<i>For Bronze Or Satin Anodized Finish, Add</i>	43.89	
			<i>For Black Anodized Finish, Add</i>	87.78	
			<i>For >10 To 20, Deduct</i>	-25.88	
			<i>For >20 To 40, Deduct</i>	-47.37	
			<i>For >40, Deduct</i>	-99.14	
26 56	13 00-0461	EA	12' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Direct Burial	716.67	152.63
			<i>For Bronze Or Satin Anodized Finish, Add</i>	41.14	
			<i>For Black Anodized Finish, Add</i>	82.28	
			<i>For >10 To 20, Deduct</i>	-24.09	
			<i>For >20 To 40, Deduct</i>	-44.06	
			<i>For >40, Deduct</i>	-92.24	
26 56	13 00-0462	EA	14' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Direct Burial	775.23	166.51
			<i>For Bronze Or Satin Anodized Finish, Add</i>	44.22	
			<i>For Black Anodized Finish, Add</i>	88.44	
			<i>For >10 To 20, Deduct</i>	-26.01	
			<i>For >20 To 40, Deduct</i>	-47.61	
			<i>For >40, Deduct</i>	-99.63	
26 56	13 00-0463	EA	16' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Direct Burial	797.23	166.51
			<i>For Bronze Or Satin Anodized Finish, Add</i>	46.42	
			<i>For Black Anodized Finish, Add</i>	92.84	
			<i>For >10 To 20, Deduct</i>	-26.89	
			<i>For >20 To 40, Deduct</i>	-49.15	
			<i>For >40, Deduct</i>	-102.93	
26 56	13 00-0464	EA	18' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Direct Burial	860.17	180.39
			<i>For Bronze Or Satin Anodized Finish, Add</i>	49.94	
			<i>For Black Anodized Finish, Add</i>	99.88	
			<i>For >10 To 20, Deduct</i>	-29.00	
			<i>For >20 To 40, Deduct</i>	-53.00	
			<i>For >40, Deduct</i>	-110.99	
26 56	13 00-0465	EA	20' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Direct Burial	918.73	194.27
			<i>For Bronze Or Satin Anodized Finish, Add</i>	53.02	
			<i>For Black Anodized Finish, Add</i>	106.04	
			<i>For >10 To 20, Deduct</i>	-30.92	
			<i>For >20 To 40, Deduct</i>	-56.54	
			<i>For >40, Deduct</i>	-118.38	
26 56	13 00-0466	EA	16' High, 5" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Direct Burial	861.03	166.51
			<i>For Bronze Or Satin Anodized Finish, Add</i>	52.80	
			<i>For Black Anodized Finish, Add</i>	105.60	
			<i>For >10 To 20, Deduct</i>	-29.45	
			<i>For >20 To 40, Deduct</i>	-53.61	
			<i>For >40, Deduct</i>	-112.50	
26 56	13 00-0467	EA	18' High, 5" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Direct Burial	930.57	180.39
			<i>For Bronze Or Satin Anodized Finish, Add</i>	56.98	
			<i>For Black Anodized Finish, Add</i>	113.96	
			<i>For >10 To 20, Deduct</i>	-31.81	
			<i>For >20 To 40, Deduct</i>	-57.92	
			<i>For >40, Deduct</i>	-121.55	
26 56	13 00-0468	EA	20' High, 5" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Direct Burial	994.63	194.27
			<i>For Bronze Or Satin Anodized Finish, Add</i>	60.61	
			<i>For Black Anodized Finish, Add</i>	121.22	
			<i>For >10 To 20, Deduct</i>	-33.96	
			<i>For >20 To 40, Deduct</i>	-61.85	
			<i>For >40, Deduct</i>	-129.77	
26 56	13 00-0469	EA	18' High, 6" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Direct Burial	1,020.77	180.39
			<i>For Bronze Or Satin Anodized Finish, Add</i>	66.00	
			<i>For Black Anodized Finish, Add</i>	132.00	
			<i>For >10 To 20, Deduct</i>	-35.42	
			<i>For >20 To 40, Deduct</i>	-64.24	
			<i>For >40, Deduct</i>	-135.08	

26	Electrical
26 50	Lighting
26 56	Exterior Lighting



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0470 EA 25' High, 6" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Direct Burial	1,309.73	222.01
For Bronze Or Satin Anodized Finish, Add	86.57	
For Black Anodized Finish, Add	173.14	
For >10 To 20, Deduct	-45.73	
For >20 To 40, Deduct	-82.80	
For >40, Deduct	-174.26	
26 56 13 00-0471 EA 25' High, 6" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Direct Burial	1,434.03	222.01
For Bronze Or Satin Anodized Finish, Add	99.00	
For Black Anodized Finish, Add	198.00	
For >10 To 20, Deduct	-50.70	
For >20 To 40, Deduct	-91.50	
For >40, Deduct	-192.90	
26 56 13 00-0472 EA 30' High, 7" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Direct Burial	1,596.23	249.77
For Bronze Or Satin Anodized Finish, Add	109.67	
For Black Anodized Finish, Add	219.34	
For >10 To 20, Deduct	-56.36	
For >20 To 40, Deduct	-101.75	
For >40, Deduct	-214.46	
26 56 13 00-0473 EA 30' High, 8" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Direct Burial	1,731.53	249.77
For Bronze Or Satin Anodized Finish, Add	123.20	
For Black Anodized Finish, Add	246.40	
For >10 To 20, Deduct	-61.77	
For >20 To 40, Deduct	-111.22	
For >40, Deduct	-234.75	
26 56 13 00-0474 Square Straight, Aluminum Area Light Poles <small>(26 56 13 00-0295)</small>		
26 56 13 00-0475 Square Straight, Aluminum Area Light Poles, Anchor Base <small>(26 56 13 00-0474)</small>		
26 56 13 00-0476 EA 8' High, 4" OD, 0.125", Square Straight, Aluminum Area Light Pole, Anchor Base	787.33	166.51
For Bronze Or Satin Anodized Finish, Add	45.43	
For Black Anodized Finish, Add	90.86	
For >10 To 20, Deduct	-26.50	
For >20 To 40, Deduct	-48.45	
For >40, Deduct	-101.45	
26 56 13 00-0477 EA 10' High, 4" OD, 0.125", Square Straight, Aluminum Area Light Pole, Anchor Base	865.93	194.27
For Bronze Or Satin Anodized Finish, Add	47.74	
For Black Anodized Finish, Add	95.48	
For >10 To 20, Deduct	-28.81	
For >20 To 40, Deduct	-52.84	
For >40, Deduct	-110.46	
26 56 13 00-0478 EA 12' High, 4" OD, 0.125", Square Straight, Aluminum Area Light Pole, Anchor Base	953.33	222.01
For Bronze Or Satin Anodized Finish, Add	50.93	
For Black Anodized Finish, Add	101.86	
For >10 To 20, Deduct	-31.47	
For >20 To 40, Deduct	-57.85	
For >40, Deduct	-120.80	
26 56 13 00-0479 EA 14' High, 4" OD, 0.125", Square Straight, Aluminum Area Light Pole, Anchor Base	1,039.63	249.77
For Bronze Or Satin Anodized Finish, Add	54.01	
For Black Anodized Finish, Add	108.02	
For >10 To 20, Deduct	-34.09	
For >20 To 40, Deduct	-62.78	
For >40, Deduct	-130.97	
26 56 13 00-0480 EA 15' High, 4" OD, 0.125", Square Straight, Aluminum Area Light Pole, Anchor Base	1,087.18	263.65
For Bronze Or Satin Anodized Finish, Add	55.99	
For Black Anodized Finish, Add	111.98	
For >10 To 20, Deduct	-35.58	
For >20 To 40, Deduct	-65.56	
For >40, Deduct	-136.71	
26 56 13 00-0481 EA 16' High, 4" OD, 0.125", Square Straight, Aluminum Area Light Pole, Anchor Base	1,134.74	277.52
For Bronze Or Satin Anodized Finish, Add	57.97	
For Black Anodized Finish, Add	115.94	
For >10 To 20, Deduct	-37.06	
For >20 To 40, Deduct	-68.33	
For >40, Deduct	-142.46	
26 56 13 00-0482 EA 18' High, 4" OD, 0.125", Square Straight, Aluminum Area Light Pole, Anchor Base	1,227.65	305.27
For Bronze Or Satin Anodized Finish, Add	61.71	
For Black Anodized Finish, Add	123.42	
For >10 To 20, Deduct	-39.95	
For >20 To 40, Deduct	-73.72	
For >40, Deduct	-153.62	
26 56 13 00-0483 EA 20' High, 4" OD, 0.125", Square Straight, Aluminum Area Light Pole, Anchor Base	1,330.44	333.03
For Bronze Or Satin Anodized Finish, Add	66.44	
For Black Anodized Finish, Add	132.88	
For >10 To 20, Deduct	-43.23	
For >20 To 40, Deduct	-79.81	
For >40, Deduct	-166.26	
26 56 13 00-0484 EA 16' High, 4" OD, 0.188", Square Straight, Aluminum Area Light Pole, Anchor Base	1,210.64	277.52
For Bronze Or Satin Anodized Finish, Add	65.56	
For Black Anodized Finish, Add	131.12	
For >10 To 20, Deduct	-40.10	
For >20 To 40, Deduct	-73.64	
For >40, Deduct	-153.84	



Electrical	26	26
Lighting	26 50	
Exterior Lighting	26 56	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0485	EA		18' High, 4" OD, 0.188", Square Straight, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,305.75 69.52 139.04 -43.07 -79.19 -165.34	305.27
26 56 13 00-0486	EA		20' High, 4" OD, 0.188", Square Straight, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,415.14 74.91 149.82 -46.62 -85.74 -178.97	333.03
26 56 13 00-0487	EA		15' High, 5" OD, 0.188", Square Straight, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,417.18 88.99 177.98 -48.78 -88.66 -186.21	263.65
26 56 13 00-0488	EA		20' High, 4" OD, 0.188", Square Straight, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,730.84 106.48 212.96 -59.24 -107.84 -226.32	333.03
26 56 13 00-0489	EA		25' High, 5" OD, 0.188", Square Straight, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	2,090.36 120.23 240.46 -70.29 -128.56 -269.15	444.03
26 56 13 00-0490	EA		20' High, 4" OD, 0.250", Square Straight, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,483.34 81.73 163.46 -49.34 -90.51 -189.20	333.03
26 56 13 00-0491	EA		20' High, 5" OD, 0.250", Square Straight, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,863.94 119.79 239.58 -64.57 -117.16 -246.29	333.03
26 56 13 00-0492	EA		25' High, 5" OD, 0.250", Square Straight, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	2,211.36 132.33 264.66 -75.13 -137.03 -287.30	444.03
26 56 13 00-0493	EA		20' High, 6" OD, 0.250", Square Straight, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	2,072.94 140.69 281.38 -72.93 -131.79 -277.64	333.03
26 56 13 00-0494	EA		25' High, 6" OD, 0.250", Square Straight, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	2,484.16 159.61 319.22 -86.05 -156.13 -328.22	444.03
26 56 13 00-0495	EA		30' High, 6" OD, 0.250", Square Straight, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	2,878.97 187.99 375.98 -100.17 -181.55 -381.89	499.53
26 56 13 00-0496			Square Straight, Aluminum Area Light Poles, Direct Burial <small>(26 56 13 00-0474)</small> Note: Includes rubberized undercoating on embedded portion.		
26 56 13 00-0497	EA		10' High, 4" OD, 0.125", Square Straight, Aluminum Area Light Pole, Direct Burial <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	710.92 43.34 86.68 -24.27 -44.21 -92.76	138.76
26 56 13 00-0498	EA		12' High, 4" OD, 0.125", Square Straight, Aluminum Area Light Pole, Direct Burial <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	794.77 48.95 97.90 -27.21 -49.53 -103.95	152.63



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0499 EA 14' High, 4" OD, 0.125", Square Straight, Aluminum Area Light Pole, Direct Burial	845.63	166.51
For Bronze Or Satin Anodized Finish, Add	51.26	
For Black Anodized Finish, Add	102.52	
For >10 To 20, Deduct	-28.83	
For >20 To 40, Deduct	-52.53	
For >40, Deduct	-110.19	
26 56 13 00-0500 EA 15' High, 4" OD, 0.125", Square Straight, Aluminum Area Light Pole, Direct Burial	873.13	166.51
For Bronze Or Satin Anodized Finish, Add	54.01	
For Black Anodized Finish, Add	108.02	
For >10 To 20, Deduct	-29.93	
For >20 To 40, Deduct	-54.46	
For >40, Deduct	-114.32	
26 56 13 00-0501 EA 16' High, 4" OD, 0.125", Square Straight, Aluminum Area Light Pole, Direct Burial	907.23	166.51
For Bronze Or Satin Anodized Finish, Add	57.42	
For Black Anodized Finish, Add	114.84	
For >10 To 20, Deduct	-31.29	
For >20 To 40, Deduct	-56.85	
For >40, Deduct	-119.43	
26 56 13 00-0502 EA 18' High, 4" OD, 0.188", Square Straight, Aluminum Area Light Pole, Direct Burial	1,051.57	180.39
For Bronze Or Satin Anodized Finish, Add	69.08	
For Black Anodized Finish, Add	138.16	
For >10 To 20, Deduct	-36.65	
For >20 To 40, Deduct	-66.39	
For >40, Deduct	-139.70	
26 56 13 00-0503 EA 20' High, 4" OD, 0.188", Square Straight, Aluminum Area Light Pole, Direct Burial	1,126.63	194.27
For Bronze Or Satin Anodized Finish, Add	73.81	
For Black Anodized Finish, Add	147.62	
For >10 To 20, Deduct	-39.24	
For >20 To 40, Deduct	-71.09	
For >40, Deduct	-149.57	
26 56 13 00-0504 EA 20' High, 5" OD, 0.188", Square Straight, Aluminum Area Light Pole, Direct Burial	1,299.33	194.27
For Bronze Or Satin Anodized Finish, Add	91.08	
For Black Anodized Finish, Add	182.16	
For >10 To 20, Deduct	-46.15	
For >20 To 40, Deduct	-83.18	
For >40, Deduct	-175.47	
26 56 13 00-0505 EA 25' High, 5" OD, 0.188", Square Straight, Aluminum Area Light Pole, Direct Burial	1,493.43	222.01
For Bronze Or Satin Anodized Finish, Add	104.94	
For Black Anodized Finish, Add	209.88	
For >10 To 20, Deduct	-53.08	
For >20 To 40, Deduct	-95.66	
For >40, Deduct	-201.81	
26 56 13 00-0506 EA 25' High, 6" OD, 0.250", Square Straight, Aluminum Area Light Pole, Direct Burial	1,879.53	222.01
For Bronze Or Satin Anodized Finish, Add	143.55	
For Black Anodized Finish, Add	287.10	
For >10 To 20, Deduct	-68.52	
For >20 To 40, Deduct	-122.69	
For >40, Deduct	-259.73	
26 56 13 00-0507 Factory Accessories For Aluminum Area Light Poles (26 56 13 00-0295)		
26 56 13 00-0508 EA 1/2", 3/4" Or 1" Factory Threaded Pipe Coupling Or Nipple For Aluminum Area Light Poles	39.00	
26 56 13 00-0509 EA Extra Handhole For Aluminum Area Light Poles.....	41.00	
26 56 13 00-0510 EA Festoon Outlet Provision For Aluminum Area Light Poles	42.00	
Note: Excludes electrical outlet.		
26 56 13 00-0511 EA Vibration Dampener For Aluminum Area Light Poles.....	59.00	
26 56 13 00-0512 Fiberglass Area Light Poles (26 56 13 00-0177)		
Note: Includes UV resistant textured weave finish, anchor bolts, base cover, reinforced handhole with cover and grounding provisions and tenon top.		
26 56 13 00-0513 Round Tapered, Fiberglass Area Light Poles (26 56 13 00-0512)		
26 56 13 00-0514 Round Tapered, Fiberglass Area Light Poles, Anchor Base (26 56 13 00-0513)		
26 56 13 00-0515 EA 10' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base.....	1,035.33	194.27
For >10 To 20, Deduct	-35.59	
For >20 To 40, Deduct	-64.70	
For >40, Deduct	-135.87	
26 56 13 00-0516 EA 12' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base.....	1,129.33	222.01
For >10 To 20, Deduct	-38.51	
For >20 To 40, Deduct	-70.17	
For >40, Deduct	-147.20	
26 56 13 00-0517 EA 14' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base.....	1,224.43	249.77
For >10 To 20, Deduct	-41.48	
For >20 To 40, Deduct	-75.72	
For >40, Deduct	-158.69	
26 56 13 00-0518 EA 16' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base.....	1,318.44	277.52
For >10 To 20, Deduct	-44.41	
For >20 To 40, Deduct	-81.19	
For >40, Deduct	-170.01	
26 56 13 00-0519 EA 18' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base.....	1,432.25	305.27
For >10 To 20, Deduct	-48.13	
For >20 To 40, Deduct	-88.05	
For >40, Deduct	-184.31	



Electrical	26	26
Lighting	26 50	
Exterior Lighting	26 56	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56	13 00-0520	EA	20' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base..... <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,528.44 -51.15 -93.67 -195.96	333.03
26 56	13 00-0521	EA	22' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base..... <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,679.05 -55.51 -101.99 -213.01	388.53
26 56	13 00-0522	EA	24' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base..... <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,828.56 -59.82 -110.24 -229.88	444.03
26 56	13 00-0523	EA	26' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base..... <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,917.66 -63.39 -116.48 -243.25	444.03
26 56	13 00-0524	EA	28' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base..... <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	2,051.26 -67.90 -124.72 -260.51	471.79
26 56	13 00-0525	EA	30' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base..... <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	2,184.87 -72.41 -132.96 -277.78	499.53
26 56	13 00-0526	EA	10' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base..... <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,136.53 -39.63 -71.79 -151.05	194.27
26 56	13 00-0527	EA	12' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base..... <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,210.73 -41.77 -75.87 -159.41	222.01
26 56	13 00-0528	EA	14' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base..... <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,286.03 -43.95 -80.03 -167.93	249.77
26 56	13 00-0529	EA	16' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base..... <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,363.54 -46.22 -84.35 -176.78	277.52
26 56	13 00-0530	EA	18' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base..... <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,446.55 -48.70 -89.05 -186.46	305.27
26 56	13 00-0531	EA	20' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base..... <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,528.44 -51.15 -93.67 -195.96	333.03
26 56	13 00-0532	EA	22' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base..... <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,665.85 -54.98 -101.07 -211.03	388.53
26 56	13 00-0533	EA	24' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base..... <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,828.56 -59.82 -110.24 -229.88	444.03
26 56	13 00-0534	EA	26' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base..... <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,865.96 -61.32 -112.86 -235.49	444.03
26 56	13 00-0535	EA	28' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base..... <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,959.96 -64.25 -118.33 -246.82	471.79
26 56	13 00-0536	EA	30' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base..... <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	2,053.97 -67.17 -123.80 -258.14	499.53
26 56	13 00-0537	EA	10' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base..... <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,285.03 -45.57 -82.18 -173.33	194.27
26 56	13 00-0538	EA	12' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base..... <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,374.63 -48.32 -87.34 -183.99	222.01
26 56	13 00-0539	EA	14' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base..... <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,464.23 -51.08 -92.51 -194.66	249.77
26 56	13 00-0540	EA	16' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base..... <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,554.94 -53.87 -97.75 -205.49	277.52

26 Electrical
26 50 Lighting
26 56 Exterior Lighting



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56	13 00-0541	EA	18' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base.....	1,650.05	305.27
			<i>For >10 To 20, Deduct</i>	-56.84	
			<i>For >20 To 40, Deduct</i>	-103.29	
			<i>For >40, Deduct</i>	-216.98	
26 56	13 00-0542	EA	20' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base.....	1,751.74	333.03
			<i>For >10 To 20, Deduct</i>	-60.08	
			<i>For >20 To 40, Deduct</i>	-109.30	
			<i>For >40, Deduct</i>	-229.46	
26 56	13 00-0543	EA	22' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base.....	1,918.85	388.53
			<i>For >10 To 20, Deduct</i>	-65.10	
			<i>For >20 To 40, Deduct</i>	-118.78	
			<i>For >40, Deduct</i>	-248.98	
26 56	13 00-0544	EA	24' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base.....	2,087.06	444.03
			<i>For >10 To 20, Deduct</i>	-70.16	
			<i>For >20 To 40, Deduct</i>	-128.33	
			<i>For >40, Deduct</i>	-268.66	
26 56	13 00-0545	EA	26' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base.....	2,144.26	444.03
			<i>For >10 To 20, Deduct</i>	-72.45	
			<i>For >20 To 40, Deduct</i>	-132.34	
			<i>For >40, Deduct</i>	-277.24	
26 56	13 00-0546	EA	28' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base.....	2,289.96	471.79
			<i>For >10 To 20, Deduct</i>	-77.45	
			<i>For >20 To 40, Deduct</i>	-141.43	
			<i>For >40, Deduct</i>	-296.32	
26 56	13 00-0547	EA	30' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base.....	2,410.37	499.53
			<i>For >10 To 20, Deduct</i>	-81.43	
			<i>For >20 To 40, Deduct</i>	-148.74	
			<i>For >40, Deduct</i>	-311.60	
26 56	13 00-0548	EA	32' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base.....	2,503.02	513.41
			<i>For >10 To 20, Deduct</i>	-84.72	
			<i>For >20 To 40, Deduct</i>	-154.68	
			<i>For >40, Deduct</i>	-324.11	
26 56	13 00-0549	EA	34' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base.....	2,595.67	527.28
			<i>For >10 To 20, Deduct</i>	-88.01	
			<i>For >20 To 40, Deduct</i>	-160.61	
			<i>For >40, Deduct</i>	-336.62	
26 56	13 00-0550		Round Tapered, Fiberglass Area Light Poles, Direct Burial <small>(26 56 13 00-0513)</small>		
26 56	13 00-0551	EA	10' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	647.12	138.76
			<i>For >10 To 20, Deduct</i>	-21.72	
			<i>For >20 To 40, Deduct</i>	-39.75	
			<i>For >40, Deduct</i>	-83.19	
26 56	13 00-0552	EA	12' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	695.77	152.63
			<i>For >10 To 20, Deduct</i>	-23.25	
			<i>For >20 To 40, Deduct</i>	-42.60	
			<i>For >40, Deduct</i>	-89.10	
26 56	13 00-0553	EA	14' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	743.33	166.51
			<i>For >10 To 20, Deduct</i>	-24.74	
			<i>For >20 To 40, Deduct</i>	-45.37	
			<i>For >40, Deduct</i>	-94.85	
26 56	13 00-0554	EA	16' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	762.03	166.51
			<i>For >10 To 20, Deduct</i>	-25.49	
			<i>For >20 To 40, Deduct</i>	-46.68	
			<i>For >40, Deduct</i>	-97.65	
26 56	13 00-0555	EA	18' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	820.57	180.39
			<i>For >10 To 20, Deduct</i>	-27.41	
			<i>For >20 To 40, Deduct</i>	-50.22	
			<i>For >40, Deduct</i>	-105.05	
26 56	13 00-0556	EA	20' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	870.33	194.27
			<i>For >10 To 20, Deduct</i>	-28.99	
			<i>For >20 To 40, Deduct</i>	-53.15	
			<i>For >40, Deduct</i>	-111.12	
26 56	13 00-0557	EA	22' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	923.38	208.14
			<i>For >10 To 20, Deduct</i>	-30.69	
			<i>For >20 To 40, Deduct</i>	-56.31	
			<i>For >40, Deduct</i>	-117.69	
26 56	13 00-0558	EA	24' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	981.93	222.01
			<i>For >10 To 20, Deduct</i>	-32.62	
			<i>For >20 To 40, Deduct</i>	-59.85	
			<i>For >40, Deduct</i>	-125.09	
26 56	13 00-0559	EA	26' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	1,087.53	222.01
			<i>For >10 To 20, Deduct</i>	-36.84	
			<i>For >20 To 40, Deduct</i>	-67.25	
			<i>For >40, Deduct</i>	-140.93	
26 56	13 00-0560	EA	28' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	1,220.89	235.89
			<i>For >10 To 20, Deduct</i>	-41.76	
			<i>For >20 To 40, Deduct</i>	-76.03	
			<i>For >40, Deduct</i>	-159.54	
26 56	13 00-0561	EA	30' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	1,354.23	249.77
			<i>For >10 To 20, Deduct</i>	-46.68	
			<i>For >20 To 40, Deduct</i>	-84.81	
			<i>For >40, Deduct</i>	-178.16	



Electrical	26	26
Lighting	26 50	
Exterior Lighting	26 56	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0562 EA 10' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	748.32	138.76
For >10 To 20, Deduct	-25.77	
For >20 To 40, Deduct	-46.83	
For >40, Deduct	-98.37	
26 56 13 00-0563 EA 12' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	802.47	152.63
For >10 To 20, Deduct	-27.52	
For >20 To 40, Deduct	-50.07	
For >40, Deduct	-105.11	
26 56 13 00-0564 EA 14' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	856.63	166.51
For >10 To 20, Deduct	-29.27	
For >20 To 40, Deduct	-53.30	
For >40, Deduct	-111.84	
26 56 13 00-0565 EA 16' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	884.13	166.51
For >10 To 20, Deduct	-30.37	
For >20 To 40, Deduct	-55.23	
For >40, Deduct	-115.97	
26 56 13 00-0566 EA 18' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	938.27	180.39
For >10 To 20, Deduct	-32.12	
For >20 To 40, Deduct	-58.46	
For >40, Deduct	-122.70	
26 56 13 00-0567 EA 20' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	992.43	194.27
For >10 To 20, Deduct	-33.87	
For >20 To 40, Deduct	-61.70	
For >40, Deduct	-129.44	
26 56 13 00-0568 EA 22' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	1,046.58	208.14
For >10 To 20, Deduct	-35.62	
For >20 To 40, Deduct	-64.94	
For >40, Deduct	-136.17	
26 56 13 00-0569 EA 24' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	1,126.03	222.01
For >10 To 20, Deduct	-38.38	
For >20 To 40, Deduct	-69.94	
For >40, Deduct	-146.70	
26 56 13 00-0570 EA 26' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	1,228.33	222.01
For >10 To 20, Deduct	-42.47	
For >20 To 40, Deduct	-77.10	
For >40, Deduct	-162.05	
26 56 13 00-0571 EA 28' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	1,359.49	235.89
For >10 To 20, Deduct	-47.30	
For >20 To 40, Deduct	-85.73	
For >40, Deduct	-180.33	
26 56 13 00-0572 EA 30' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	1,489.53	249.77
For >10 To 20, Deduct	-52.09	
For >20 To 40, Deduct	-94.28	
For >40, Deduct	-198.45	
26 56 13 00-0573 EA 10' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	837.42	138.76
For >10 To 20, Deduct	-29.33	
For >20 To 40, Deduct	-53.07	
For >40, Deduct	-111.74	
26 56 13 00-0574 EA 12' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	884.97	152.63
For >10 To 20, Deduct	-30.82	
For >20 To 40, Deduct	-55.84	
For >40, Deduct	-117.48	
26 56 13 00-0575 EA 14' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	931.43	166.51
For >10 To 20, Deduct	-32.26	
For >20 To 40, Deduct	-58.54	
For >40, Deduct	-123.06	
26 56 13 00-0576 EA 16' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	950.13	166.51
For >10 To 20, Deduct	-33.01	
For >20 To 40, Deduct	-59.85	
For >40, Deduct	-125.87	
26 56 13 00-0577 EA 18' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	996.57	180.39
For >10 To 20, Deduct	-34.45	
For >20 To 40, Deduct	-62.54	
For >40, Deduct	-131.45	
26 56 13 00-0578 EA 20' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	1,044.13	194.27
For >10 To 20, Deduct	-35.94	
For >20 To 40, Deduct	-65.32	
For >40, Deduct	-137.19	
26 56 13 00-0579 EA 22' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	1,129.08	208.14
For >10 To 20, Deduct	-38.92	
For >20 To 40, Deduct	-70.71	
For >40, Deduct	-148.55	
26 56 13 00-0580 EA 24' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	1,227.23	222.01
For >10 To 20, Deduct	-42.43	
For >20 To 40, Deduct	-77.03	
For >40, Deduct	-161.88	
26 56 13 00-0581 EA 26' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	1,291.03	222.01
For >10 To 20, Deduct	-44.98	
For >20 To 40, Deduct	-81.49	
For >40, Deduct	-171.45	
26 56 13 00-0582 EA 28' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	1,383.69	235.89
For >10 To 20, Deduct	-48.27	
For >20 To 40, Deduct	-87.42	
For >40, Deduct	-183.96	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0583 EA 30' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial..... <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,476.33 -51.56 -93.35 -196.47	249.77
26 56 13 00-0584 Factory Accessories For Fiberglass Area Light Poles (26 56 13 00-0512)		
26 56 13 00-0585 EA Open Or Capped Top For Fiberglass Area Light Poles.....	39.00	
26 56 13 00-0586 EA Factory Side Drilling Up To Four Fixtures On Fiberglass Area Light Poles.....	39.00	
26 56 13 00-0587 EA Smooth Shaft Finish For Fiberglass Area Light Poles.....	74.00	
26 56 13 00-0588 EA Festoon Outlet Provision For Fiberglass Area Light Poles..... Note: Excludes electrical outlet.	78.00	
26 56 13 00-0589 EA Vibration Dampener For Fiberglass Area Light Poles.....	98.00	
26 56 13 00-0590 Concrete Area Light Poles (26 56 13 00-0177)		
26 56 13 00-0591 Octagonal Tapered, Spun Concrete Area Light Poles, Anchor Base (26 56 13 00-0590)		
26 56 13 00-0592 EA 28' High, Octagonal Tapered, Spun Concrete Area Light Pole, Anchor Base.....	1,928.64	471.79
26 56 13 00-0593 EA 30' High, Octagonal Tapered, Spun Concrete Area Light Pole, Anchor Base.....	2,033.41	499.53
26 56 13 00-0594 EA 33' High, Octagonal Tapered, Spun Concrete Area Light Pole, Anchor Base.....	2,109.27	513.41
26 56 13 00-0595 EA 36' High, Octagonal Tapered, Spun Concrete Area Light Pole, Anchor Base.....	2,622.45	527.28
26 56 13 00-0596 EA 38' High, Octagonal Tapered, Spun Concrete Area Light Pole, Anchor Base.....	2,913.14	555.04
26 56 13 00-0597 EA 43' High, Octagonal Tapered, Spun Concrete Area Light Pole, Anchor Base.....	3,605.71	721.55
26 56 13 00-0598 EA 47' High, Octagonal Tapered, Spun Concrete Area Light Pole, Anchor Base.....	4,319.68	888.06
26 56 13 00-0599 EA 27' High, Octagonal Tapered, Spun Concrete Area Light Pole, Anchor Base..... Note: Polished brown with acrylic coating finish.	4,186.79	471.79
26 56 13 00-0600 EA 30' High, Octagonal Tapered, Spun Concrete Area Light Pole, Anchor Base..... Note: Polished brown with acrylic coating finish.	4,831.99	499.53
26 56 13 00-0601 EA Pole Adapter Base Plate, Galvanized Steel, 1" Thick For Adapting Up To 40'.....	454.80	166.51
26 56 13 00-0602 EA 13' High Concrete Octagonal Area Light Pole, Pink With Acrylic Coating, Finish Design.....	2,509.43	332.91
26 56 13 00-0603 EA Pole Base Cover For All Octagon Poles.....	177.48	67.94
26 56 13 00-0604 EA Pole Arms 24" Long, Square, 250 Watt Fixture, Dark, Architectural Bronze.....	362.03	135.87
26 56 13 00-0605 Tapered, Spun Concrete Area Light Poles, Direct Burial (26 56 13 00-0590)		
Note: Round or square.		
26 56 13 00-0606 EA 13' High, Tapered, Spun Concrete Area Light Pole, Direct Burial.....	2,071.27	222.01
26 56 13 00-0607 EA 16' High, Tapered, Spun Concrete Area Light Pole, Direct Burial.....	2,340.54	277.52
26 56 13 00-0608 EA 18' High, Tapered, Spun Concrete Area Light Pole, Direct Burial.....	2,584.52	333.03
26 56 13 00-0609 EA 30' High, Tapered, Spun Concrete Area Light Pole, Direct Burial.....	3,601.27	499.53
26 56 13 00-0610 EA 35' High, Tapered, Spun Concrete Area Light Pole, Direct Burial.....	4,152.72	527.28
26 56 13 00-0611 EA 40' High, Tapered, Spun Concrete Area Light Pole, Direct Burial.....	4,749.00	555.04
26 56 13 00-0612 EA 45' High, Tapered, Spun Concrete Area Light Pole, Direct Burial.....	5,505.34	721.55
26 56 13 00-0613 Round Tapered, Spun Concrete Area Light Poles, Direct Burial (26 56 13 00-0590)		
26 56 13 00-0614 EA 60' High, Round Tapered, Spun Concrete Area Light Pole, Direct Burial (Lithonia SPRTC C2 60 9-22).....	10,158.45	1,248.84
26 56 13 00-0615 EA 70' High, Round Tapered, Spun Concrete Area Light Pole, Direct Burial (Lithonia SPRTC C2 70 9-24).....	12,113.31	1,551.62
26 56 13 00-0616 EA 80' High, Round Tapered, Spun Concrete Area Light Pole, Direct Burial (Lithonia SPRTC C1 80 9-26).....	14,435.35	2,096.05
26 56 13 00-0617 Treated Wood Area Light Poles (26 56 13 00-0177)		
See CSI section 26 05 46 00-0001 for wood poles.		
26 56 13 00-0618 Cast Iron Decorative Light Posts (26 56 13 00-0177)		
26 56 13 00-0619 Round Tapered, Cast Iron Decorative Light Post, Anchor Base (26 56 13 00-0618)		
Note: As manufactured by Hadco and King Luminaries or an approved equal.		
26 56 13 00-0620 EA 10' High, Round Tapered, Cast Iron Decorative Light Post, Anchor Base.....	814.54	138.76
26 56 13 00-0621 EA 12' High, Round Tapered, Cast Iron Decorative Light Post, Anchor Base.....	870.98	159.85
26 56 13 00-0622 EA 14' High, Round Tapered, Cast Iron Decorative Light Post, Anchor Base.....	938.45	166.51
26 56 13 00-0623 EA 16' High, Round Tapered, Cast Iron Decorative Light Post, Anchor Base.....	1,143.87	194.27
26 56 13 00-0624 EA 18' High, Round Tapered, Cast Iron Decorative Light Post, Anchor Base.....	1,321.83	210.91
26 56 13 00-0625 EA 20' High, Round Tapered, Cast Iron Decorative Light Post, Anchor Base.....	1,507.69	227.57
26 56 13 00-0626 Landscape Light Poles (26 56 13 00-0001)		
26 56 13 00-0627 Aluminum Landscape Light Poles (26 56 13 00-0626)		
Note: Includes painted finish.		
26 56 13 00-0628 Round Straight, Aluminum Landscape Light Poles (26 56 13 00-0627)		
26 56 13 00-0629 Round Straight, Aluminum Landscape Light Poles, Anchor Base (26 56 13 00-0628)		
26 56 13 00-0630 EA 7' High, 3" OD, Round Straight, Aluminum Landscape Light Pole, Anchor Base.....	430.92	166.51
26 56 13 00-0631 EA 12' High, 3" OD, Round Straight, Aluminum Landscape Light Pole, Anchor Base.....	753.83	222.01
26 56 13 00-0632 Round Straight, Aluminum Landscape Light Poles, Direct Burial (26 56 13 00-0628)		
26 56 13 00-0633 EA 7' High, 3" OD, Round Straight, Aluminum Landscape Light Pole, Direct Burial.....	384.85	166.51
26 56 13 00-0634 EA 12' High, 3" OD, Round Straight, Aluminum Landscape Light Pole, Direct Burial.....	707.77	222.01



Electrical	26	26
Lighting	26 50	
Exterior Lighting	26 56	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0635 Steel Landscape Light Poles <small>(26 56 13 00-0626)</small> Note: Includes painted finish.		
26 56 13 00-0636 Round Straight, Steel Landscape Light Poles <small>(26 56 13 00-0635)</small>		
26 56 13 00-0637 Round Straight, Steel Landscape Light Poles, Anchor Base <small>(26 56 13 00-0636)</small>		
26 56 13 00-0638 EA 6'-8" High, 3" OD, Round Straight, Steel Landscape Light Pole, Anchor Base.....	399.61	166.51
26 56 13 00-0639 Round Straight, Steel Landscape Light Poles, Direct Burial <small>(26 56 13 00-0636)</small>		
26 56 13 00-0640 EA 6'-8" High, 3" OD, Round Straight, Steel Landscape Light Pole, Direct Burial.....	384.70	166.51
26 56 13 00-0641 Light Pole Brackets And Arms <small>(26 56 13 00-0001)</small>		
26 56 13 00-0642 Light Pole Brackets <small>(26 56 13 00-0641)</small>		
26 56 13 00-0643 Bullhorn Style, Pole Top Area Light Brackets <small>(26 56 13 00-0642)</small>		
26 56 13 00-0644 Round Bullhorn Style, Pole Top Area Light Brackets <small>(26 56 13 00-0643)</small>		
26 56 13 00-0645 Steel, Round Bullhorn Style, Pole Top Area Light Brackets <small>(26 56 13 00-0644)</small> Note: Includes powdercoat finish.		
26 56 13 00-0646 EA Two Tenons At 180 Degrees, Steel, Round Bullhorn Style, Pole Top Area Light Bracket..... <i>For Galvanized Finish, Add</i>	333.62 26.70	33.30
26 56 13 00-0647 EA Three Tenons At 180 Degrees, Steel, Round Bullhorn Style, Pole Top Area Light Bracket..... <i>For Galvanized Finish, Add</i>	414.18 34.76	33.30
26 56 13 00-0648 EA Three Tenons At 120 Degrees, Steel, Round Bullhorn Style, Pole Top Area Light Bracket..... <i>For Galvanized Finish, Add</i>	438.78 37.22	33.30
26 56 13 00-0649 EA Four Tenons At 90 Degrees, Steel, Round Bullhorn Style, Pole Top Area Light Bracket..... <i>For Galvanized Finish, Add</i>	590.57 52.40	33.30
26 56 13 00-0650 EA Four Tenons At 180 Degrees, Steel, Round Bullhorn Style, Pole Top Area Light Bracket..... <i>For Galvanized Finish, Add</i>	614.21 54.76	33.30
26 56 13 00-0651 Aluminum, Round Bullhorn Style, Pole Top Area Light Brackets <small>(26 56 13 00-0644)</small> Note: Includes satin brushed or painted finish.		
26 56 13 00-0652 EA Two Tenons At 180 Degrees, Aluminum, Round Bullhorn Style, Pole Top Area Light Bracket..... <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i>	245.91 17.93 35.86	33.30
26 56 13 00-0653 EA Three Tenons At 120 Degrees, Aluminum, Round Bullhorn Style, Pole Top Area Light Bracket..... <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i>	303.11 23.65 47.30	33.30
26 56 13 00-0654 EA Three Tenons At 180 Degrees, Aluminum, Round Bullhorn Style, Pole Top Area Light Bracket..... <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i>	318.51 25.19 50.38	33.30
26 56 13 00-0655 EA Four Tenons At 90 Degrees, Aluminum, Round Bullhorn Style, Pole Top Area Light Bracket..... <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i>	372.41 30.58 61.16	33.30
26 56 13 00-0656 EA Four Tenons At 180 Degrees, Aluminum, Round Bullhorn Style, Pole Top Area Light Bracket..... <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i>	383.41 31.68 63.36	33.30
26 56 13 00-0657 Square Bullhorn Style, Pole Top Area Light Brackets <small>(26 56 13 00-0643)</small>		
26 56 13 00-0658 Steel, Square Bullhorn Style, Pole Top Area Light Brackets <small>(26 56 13 00-0657)</small> Note: Includes powdercoat finish.		
26 56 13 00-0659 EA Two Tenons At 180 Degrees, Steel, Square Bullhorn Style, Pole Top Area Light Bracket..... <i>For Galvanized Finish, Add</i>	356.63 29.00	33.30
26 56 13 00-0660 EA Three Tenons At 180 Degrees, Steel, Square Bullhorn Style, Pole Top Area Light Bracket..... <i>For Galvanized Finish, Add</i>	433.79 36.72	33.30
26 56 13 00-0661 EA Four Tenons At 180 Degrees, Steel, Square Bullhorn Style, Pole Top Area Light Bracket..... <i>For Galvanized Finish, Add</i>	524.42 45.78	33.30
26 56 13 00-0662 EA Four Tenons At 90 Degrees, Steel, Square Bullhorn Style, Pole Top Area Light Bracket..... <i>For Galvanized Finish, Add</i>	615.48 54.89	33.30
26 56 13 00-0663 Wood Pole Clamp On Style, Pole Top Area Light Brackets <small>(26 56 13 00-0642)</small>		
26 56 13 00-0664 Steel, Wood Pole Clamp On Style, Pole Top Area Light Brackets <small>(26 56 13 00-0663)</small> Note: Includes powdercoat finish.		
26 56 13 00-0665 EA One Tenon, Steel, Wood Pole Clamp On Style, Pole Top Area Light Bracket.....	357.99	55.51
26 56 13 00-0666 EA Two Tenons At 90, 120 Or 180 Degrees, Steel, Wood Pole Clamp On Style, Pole Top Area Light Bracket.....	515.93	55.51
26 56 13 00-0667 EA Three Tenons At 120 Degrees, Steel, Wood Pole Clamp On Style, Pole Top Area Light Bracket.....	702.81	55.51
26 56 13 00-0668 EA Four Tenons At 90 Degrees, Steel, Wood Pole Clamp On Style, Pole Top Area Light Bracket.....	764.29	55.51
26 56 13 00-0669 Light Pole Arms <small>(26 56 13 00-0641)</small>		
26 56 13 00-0670 Wood Pole Streetlight Arms <small>(26 56 13 00-0669)</small>		
26 56 13 00-0671 Steel, Wood Pole Streetlight Arms <small>(26 56 13 00-0670)</small>		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0672 EA 1-1/4" Arm Diameter, 2-1/2' Arm Length, Galvanized Steel, Wood Pole Streetlight Arm, Bolt Mount	223.08	49.95
26 56 13 00-0673 EA 1-1/4" Arm Diameter, 3-1/2' Arm Length, Galvanized Steel, Wood Pole Streetlight Arm, Bolt Mount	238.32	55.51
26 56 13 00-0674 EA 1-1/4" Arm Diameter, 5-1/2' Arm Length, Galvanized Steel, Wood Pole Streetlight Arm, Bolt Mount	280.59	69.38
26 56 13 00-0675 EA 2" Arm Diameter, 3-1/2' Arm Length, Galvanized Steel, Wood Pole Streetlight Arm, Bolt Mount	314.00	55.51
26 56 13 00-0676 EA 2" Arm Diameter, 5-1/2' Arm Length, Galvanized Steel, Wood Pole Streetlight Arm, Bolt Mount	356.06	69.38
26 56 13 00-0677 EA 2" Arm Diameter, 7-1/2' Arm Length, Galvanized Steel, Wood Pole Streetlight Arm, Bolt Mount	431.40	83.25
26 56 13 00-0678 Aluminum, Wood Pole Streetlight Arms <small>(26 56 13 00-0670)</small>		
26 56 13 00-0679 EA 1-1/4" Arm Diameter, 42" Arm Length, Aluminum Arm, Wood Pole Streetlight Arm, Bolt Mount	234.18	55.51
26 56 13 00-0680 EA 2" Arm Diameter, 42" Arm Length, Aluminum Arm, Wood Pole Streetlight Arm, Bolt Mount	297.36	55.51
26 56 13 00-0681 EA 2" Arm Diameter, 66" Arm Length, Aluminum Arm, Wood Pole Streetlight Arm, Bolt Mount	400.16	69.38
26 56 13 00-0682 EA 2" Arm Diameter, 90" Arm Length, Aluminum Arm, Wood Pole Streetlight Arm, Bolt Mount	529.14	83.25
26 56 13 00-0683 Area Light Arms <small>(26 56 13 00-0689)</small>		
26 56 13 00-0684 Steel Area Light Arms <small>(26 56 13 00-0683)</small>		
26 56 13 00-0685 EA Single, 2.38" Arm Diameter, 4' Arm Length, Upsweep Style, Steel Area Light Arm, Hub Mount	392.61	55.51
26 56 13 00-0686 EA Two, 2.38" Arm Diameter, 4' Arm Length, Upsweep Style, Steel Area Light Arms, Hub Mount	594.01	61.05
26 56 13 00-0687 EA Three, 2.38" Arm Diameter, 4' Arm Length, Upsweep Style, Steel Area Light Arms, Hub Mount	659.00	66.61
26 56 13 00-0688 EA Four, 2.38" Arm Diameter, 4' Arm Length, Upsweep Style, Steel Area Light Arms, Hub Mount	776.81	72.15
26 56 13 00-0689 EA Single, 2.38" Arm Diameter, 6' Arm Length, Upsweep Style, Steel Area Light Arm, Hub Mount	470.96	69.38
26 56 13 00-0690 EA Two, 2.38" Arm Diameter, 6' Arm Length, Upsweep Style, Steel Area Light Arms, Hub Mount	652.56	74.93
26 56 13 00-0691 Aluminum Area Light Arms <small>(26 56 13 00-0683)</small>		
26 56 13 00-0692 EA Single, 4' Arm Length, Mast Style, Aluminum Area Light Arm, Bolt Mount	290.31	55.51
26 56 13 00-0693 EA Single, 6' Arm Length, Mast Style, Aluminum Area Light Arm, Bolt Mount	357.66	69.38
26 56 13 00-0694 EA Single, 8' Arm Length, Mast Style, Aluminum Area Light Arm, Bolt Mount	427.21	83.25
26 56 13 00-0695 EA Single, 4' Arm Length, Mast Style, Aluminum Area Light Arm, Hub Mount	288.11	55.51
26 56 13 00-0696 EA Two, 4' Arm Length, Mast Style, Aluminum Area Light Arms, Hub Mount	418.01	61.05
26 56 13 00-0697 EA Single, 6' Arm Length, Mast Style, Aluminum Area Light Arm, Hub Mount	353.26	69.38
26 56 13 00-0698 EA Two, 6' Arm Length, Mast Style, Aluminum Area Light Arms, Hub Mount	509.56	74.93
26 56 13 00-0699 EA Single, 8' Arm Length, Mast Style, Aluminum Area Light Arm, Hub Mount	429.41	83.25
26 56 13 00-0700 EA Two, 8' Arm Length, Mast Style, Aluminum Area Light Arms, Hub Mount	619.81	88.81
26 56 13 00-0701 Removal And Reinstallation Of Lighting Pole <small>(26 56 13 00-0001)</small>		
26 56 13 00-0702 EA Removal And Relocation Of Up To 45' Lighting Pole And Standards With One Or Two Arms	1,831.63	
26 56 13 00-0703 High Mast Lighting <small>(26 56 13 00-0001)</small>		
26 56 13 00-0704 High Mast Lighting Assemblies <small>(26 56 13 00-0703)</small>		
Note: Includes non-latching system, ring assembly with internal bumper, acrylic top cover, pulley supports, cast arm filter for pipe tension, transition assembly, standard head frame assembly, standard hoist, and powder coated pole. See CSI section 26 56 19 00-0021 for high mast fixtures.		
26 56 13 00-0705 EA 60'-100' High Mast Lighting Assembly	24,015.17	2,912.68
26 56 13 00-0706 EA 110' High Mast Lighting Assembly	25,833.65	3,198.51
26 56 13 00-0707 EA 120' High Mast Lighting Assembly	27,210.88	3,497.95
26 56 13 00-0708 EA 130' High Mast Lighting Assembly	28,486.36	3,783.77
26 56 13 00-0709 EA 140' High Mast Lighting Assembly	29,863.60	4,083.21
26 56 13 00-0710 EA 150' High Mast Lighting Assembly	31,464.26	4,375.89
26 56 13 00-0711 High Mast Light Poles <small>(26 56 13 00-0703)</small>		
26 56 13 00-0712 EA 60'-100' High Mast Light Poles	14,622.79	2,330.15
26 56 13 00-0713 EA 110' High Mast Light Poles	16,013.87	2,558.81
26 56 13 00-0714 EA 120' High Mast Light Poles	17,099.79	2,798.36
26 56 13 00-0715 EA 130' High Mast Light Poles	18,084.01	3,027.02
26 56 13 00-0716 EA 140' High Mast Light Poles	19,169.97	3,266.56
26 56 13 00-0717 EA 150' High Mast Light Poles	20,357.62	3,500.67
26 56 13 00-0718 High Mast Lighting Accessories <small>(26 56 13 00-0703)</small>		
See CSI section 26 56 19 00-0021 for light fixtures, 26 56 26 00-0119 for lighting fixtures.		
26 56 13 00-0719 EA Bottom Latching System For High Mast Lighting	353.32	
26 56 13 00-0720 EA Top Latching System For High Mast Lighting	919.90	
26 56 13 00-0721 EA Centering Springs For High Mast Lighting	695.57	
26 56 13 00-0722 EA Electric Power Cord For High Mast Lighting	313.23	
26 56 13 00-0723 EA Aircraft Warning Lights For High Mast Lighting	738.77	
26 56 13 00-0724 EA Internal Motorized Hoist For High Mast Lighting	5,213.79	
26 56 13 00-0725 EA Portable Hoist Motor With Step Down Transformer For High Mast Lighting	5,301.32	
26 56 13 00-0726 Concrete Bases <small>(26 56 13 00-0001)</small>		
26 56 13 00-0727 Concrete Bases, Cast In Place <small>(26 56 13 00-0726)</small>		
Note: Includes excavation/drilling, concrete, reinforcement, forms for exposed base, anchors/supports and backfill. Excludes conduit.		



Electrical	26	26
Lighting	26 50	
Exterior Lighting	26 56	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0728 VLF 2' Diameter Concrete Base For Poles.....	79.88	
26 56 13 00-0729 VLF 2-1/2' Diameter Concrete Base For Poles.....	101.07	
26 56 13 00-0730 VLF 3' Diameter Concrete Base For Poles.....	122.74	
26 56 13 00-0731 VLF 3-1/2' Diameter Concrete Base For Poles.....	151.70	
26 56 13 00-0732 VLF 4' Diameter Concrete Base For Poles.....	181.40	
26 56 13 00-0733 VLF 5' Diameter Concrete Base For Poles.....	250.10	
26 56 13 00-0734 VLF 6' Diameter Concrete Base For Poles.....	332.26	
 26 56 19 Roadway Lighting (26 56)		
26 56 19 00-0001 Metal Halide, Pole Mounted (26 56 19)		
26 56 19 00-0002 EA 175 Watt Metal Halide, Enclosed And Gasketed, Exterior Roadway Fixture.....	638.37	226.85
26 56 19 00-0003 EA 250 Watt Metal Halide, Enclosed And Gasketed, Exterior Roadway Fixture.....	724.06	246.24
26 56 19 00-0004 EA 400 Watt Metal Halide, Enclosed And Gasketed, Exterior Roadway Fixture.....	849.45	264.88
26 56 19 00-0005 EA 1,000 Watt Metal Halide, Enclosed And Gasketed, Exterior Roadway Fixture.....	1,064.98	310.44
 26 56 19 00-0006 High Pressure Sodium, Pole Mounted (26 56 19)		
26 56 19 00-0007 EA 100 Watt High Pressure Sodium, Enclosed And Gasketed, Exterior Roadway Fixture.....	530.50	264.88
26 56 19 00-0008 EA 150 Watt High Pressure Sodium, Enclosed And Gasketed, Exterior Roadway Fixture.....	543.15	264.88
26 56 19 00-0009 EA 175 Watt High Pressure Sodium, Enclosed And Gasketed, Exterior Roadway Fixture.....	567.20	264.88
26 56 19 00-0010 EA 250 Watt High Pressure Sodium, Enclosed And Gasketed, Exterior Roadway Fixture.....	623.91	264.88
26 56 19 00-0011 EA 400 Watt High Pressure Sodium, Enclosed And Gasketed, Exterior Roadway Fixture.....	721.83	264.88
26 56 19 00-0012 EA 1,000 Watt High Pressure Sodium, Enclosed And Gasketed, Exterior Roadway Fixture.....	1,001.50	264.88
 26 56 19 00-0013 Low Pressure Sodium, Pole Mounted (26 56 19)		
26 56 19 00-0014 EA 135 Watt Low Pressure Sodium Exterior Roadway Fixture, Enclosed And Gasketed.....	617.34	144.10
26 56 19 00-0015 EA 135 Watt Low Pressure Sodium Fixture, Enclosed And Gasketed.....	642.43	211.90
26 56 19 00-0016 EA 180 Watt Low Pressure Sodium Fixture, Enclosed And Gasketed.....	754.19	211.90
 26 56 19 00-0017 Street Light Accessories (26 56 19)		
26 56 19 00-0018 Photo Controls (26 56 19 00-0017)		
26 56 19 00-0019 EA Photo Control, 120 Volt As Manufactured By Cooper Lighting #RA1014.....	74.71	
26 56 19 00-0020 EA Photo Control, Multi-Tap As Manufactured By Cooper Lighting #RA1016.....	83.02	
 26 56 19 00-0021 High Mast Fixtures (26 56 19)		
26 56 19 00-0022 Metal Halide (26 56 19 00-0021)		
26 56 19 00-0023 EA 400 W High Mast Metal Halide Fixture (VA 25 Type V) As Manufactured By Metrolux.....	1,054.79	139.12
26 56 19 00-0024 EA 400 W High Mast Metal Halide Fixture (VA 25 Type VS, VF 1 And 3) As Manufactured By Metrolux.....	1,122.43	139.12
26 56 19 00-0025 EA 750 W High Mast Metal Halide Fixture (VA 25 Type V) As Manufactured By Metrolux.....	1,123.57	158.93
26 56 19 00-0026 EA 750 W High Mast Metal Halide Fixture (VA 25 Type VS, VF 1 And 3) As Manufactured By Metrolux.....	1,164.15	158.93
26 56 19 00-0027 EA 1,000 W High Mast Metal Halide Fixture (VA 25 Type V) As Manufactured By Metrolux.....	1,196.84	198.67
26 56 19 00-0028 EA 1,000 W High Mast Metal Halide Fixture (VA 25 Type VS, VF 1 And 3) As Manufactured By Metrolux.....	1,237.43	198.67
 26 56 19 00-0029 High Pressure Sodium (26 56 19 00-0021)		
26 56 19 00-0030 EA 400 W High Mast HPS Fixture (VA 25 Type V) As Manufactured By Metrolux.....	1,087.50	139.12
26 56 19 00-0031 EA 400 W High Mast HPS Fixture (VA 25 Type VS, VF 1 And 3) As Manufactured By Metrolux.....	1,128.09	139.12
26 56 19 00-0032 EA 600 Watt High Mast HPS Fixture (VA 25 Type V, VS, VF 1 And 3) As Manufactured By Metrolux.....	1,304.96	147.06
26 56 19 00-0033 EA 750 Watt High Mast HPS Fixture (VA 25 Type V, VS, VF 1 And 3) As Manufactured By Metrolux.....	1,341.14	158.93
26 56 19 00-0034 EA 1,000 Watt High Mast HPS Fixture (VA 25 Type V, VS, VF 1 And 3) As Manufactured By Metrolux.....	1,434.71	198.67
 26 56 19 00-0035 LED Roadway Lighting (26 56 19)		
26 56 19 00-0036 LED Roadway Lighting (Philips Lumec) (26 56 19 00-0035)		
26 56 19 00-0037 Horizontal Tenon Mount, LED Cobra Head Street Lights (Philips Lumec GPL Series) (26 56 19 00-0036)		
Note: UL wet listed. Includes 4,000K color temperature, 120-480 voltage, 570mA driver, die-cast extruded aluminum housing assembly and powder coat finish. Excludes sensors.		
26 56 19 00-0038 EA 49 LEDs, 102 System Watts, Horizontal Tenon Mount, LED Cobra Head Street Light (Philips Lumec GPLS Series).....	911.74	135.06
26 56 19 00-0039 EA 98 LEDs, 204 System Watts, Horizontal Tenon Mount, LED Cobra Head Street Light (Philips Lumec GPLM Series).....	1,372.15	138.72
 26 56 19 00-0040 LED Roadway Lighting (Lithonia) (26 56 19 00-0035)		
26 56 19 00-0041 Horizontal Tenon Mount, LED Cobra Head Street Lights (Lithonia CSX1 Series) (26 56 19 00-0040)		
Note: UL wet listed. Includes 4,000K color temperature, 120-480 voltage, 700mA driver, die-cast extruded aluminum housing assembly and bronze powder coat finish. Excludes sensors.		
26 56 19 00-0042 EA 30 LEDs, 74 System Watts, Horizontal Tenon Mount, LED Cobra Head Street Light (Lithonia CSX1 Series).....	1,276.09	127.76
26 56 19 00-0043 EA 60 LEDs, 146 System Watts, Horizontal Tenon Mount, LED Cobra Head Street Light (Lithonia CSX1 Series).....	2,053.29	131.41



MINOR
 CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

26 56 19 00-0044	LED Roadway Lighting (CREE® BetaLED®) <small>(26 56 19 00-0035)</small>		
26 56 19 00-0045	Horizontal Tenon Mount, LED Cobra Head Street Lights (CREE® BetaLED® LEDway® STR-LWY) <small>(26 56 19 00-0044)</small>		
	Note: UL wet listed. Includes 6,000K color temperature, 120-480 voltage, 350mA driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Includes Type II Medium, Type II Short or Type III Medium optic. Excludes sensors.		
26 56 19 00-0046	EA UL wet listed. Includes 6,000K color temperature, 120-480 voltage, 350mA driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Includes Type II Medium, Type II Short or Type III Medium optic. Excludes sensors.	607.32	124.11
26 56 19 00-0047	EA 30 LEDs, 35 System Watts, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® BetaLED® LEDway® STR-LWY)	675.52	127.76
26 56 19 00-0048	EA 40 LEDs, 45 System Watts, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® BetaLED® LEDway® STR-LWY)	757.37	131.41
26 56 19 00-0049	EA 50 LEDs, 55 System Watts, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® BetaLED® LEDway® STR-LWY)	826.63	135.06
26 56 19 00-0050	EA 60 LEDs, 65 System Watts, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® BetaLED® LEDway® STR-LWY)	895.87	138.72
26 56 19 00-0051	EA 70 LEDs, 75 System Watts, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® BetaLED® LEDway® STR-LWY)	1,057.52	142.37
26 56 19 00-0052	EA 80 LEDs, 86 System Watts, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® BetaLED® LEDway® STR-LWY)	1,126.78	146.02
26 56 19 00-0053	EA 90 LEDs, 96 System Watts, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® BetaLED® LEDway® STR-LWY)	1,194.98	149.66
26 56 19 00-0054	EA 100 LEDs, 111 System Watts, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® BetaLED® LEDway® STR-LWY)	1,326.18	153.31
26 56 19 00-0055	EA 110 LEDs, 122 System Watts, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® BetaLED® LEDway® STR-LWY)	1,395.42	156.96
26 56 19 00-0056	EA 120 LEDs, 133 System Watts, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® BetaLED® LEDway® STR-LWY)	1,464.68	160.61
26 56 19 00-0057	Surface Mount, LED Transportation Fixtures (CREE® BetaLED® Edge® TSP-EDG) <small>(26 56 19 00-0044)</small>		
	Note: Direct, cantenary or pendant mount. UL wet listed. Includes 5,700K color temperature, 120-480 voltage, 350mA driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.		
26 56 19 00-0058	EA 40 LEDs, 47 System Watts, Surface Mount, LED Transportation Fixture (CREE® BetaLED® Edge® TSP-EDG)	1,140.62	131.41
	<i>For Multi-Level Drive Currents, Add</i>	147.00	
26 56 19 00-0059	EA 60 LEDs, 68 System Watts, Surface Mount, LED Transportation Fixture (CREE® BetaLED® Edge® TSP-EDG)	1,309.57	138.72
	<i>For Multi-Level Drive Currents, Add</i>	147.00	
26 56 19 00-0060	EA 80 LEDs, 90 System Watts, Surface Mount, LED Transportation Fixture (CREE® BetaLED® Edge® TSP-EDG)	1,478.53	146.02
	<i>For Multi-Level Drive Currents, Add</i>	147.00	
26 56 19 00-0061	EA 100 LEDs, 111 System Watts, Surface Mount, LED Transportation Fixture (CREE® BetaLED® Edge® TSP-EDG)	1,647.48	153.31
	<i>For Multi-Level Drive Currents, Add</i>	147.00	
26 56 19 00-0062	EA 120 LEDs, 132 System Watts, Surface Mount, LED Transportation Fixture (CREE® BetaLED® Edge® TSP-EDG)	2,144.03	160.61
	<i>For Multi-Level Drive Currents, Add</i>	147.00	
26 56 19 00-0063	EA 140 LEDs, 157 System Watts, Surface Mount, LED Transportation Fixture (CREE® BetaLED® Edge® TSP-EDG)	2,312.98	167.92
	<i>For Multi-Level Drive Currents, Add</i>	147.00	
26 56 19 00-0064	EA 160 LEDs, 179 System Watts, Surface Mount, LED Transportation Fixture (CREE® BetaLED® Edge® TSP-EDG)	2,481.93	175.22
	<i>For Multi-Level Drive Currents, Add</i>	147.00	
26 56 19 00-0065	Horizontal Tenon Mount, LED Cobra Head Street Lights (CREE® BetaLED® XSP) <small>(26 56 19 00-0044)</small>		
	Note: UL wet listed. Includes 120-277 voltage, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.		
26 56 19 00-0066	EA 4,806 Lumens, 4,000K, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSP1™ BXSP-B-HT-XXX-A)	521.58	131.41
	<i>For 3 Or 7-Pin NEMA Photocell Receptacle, Add</i>	12.38	
	<i>For Backlight Control Shield, Add</i>	24.85	
	<i>For Field Adjustable Output, Add</i>	18.58	
	<i>For Bird Spikes, Add</i>	36.54	
	<i>For Field Adjustable Output And Utility Label, Add</i>	24.77	
	<i>For Fuse, Add</i>	37.15	
	<i>For Field Adjustable Output, Utility Label And 3 Or 7-Pin NEMA Photocell Receptacle, Add</i>	37.15	
	<i>For 480 Volt, Add</i>	55.73	
	<i>For Multi-Level, Add</i>	80.49	
26 56 19 00-0067	EA 5,340 Lumens, 5,700K, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSP1™ BXSP-B-HT-XXX-A)	521.58	131.41
	<i>For 3 Or 7-Pin NEMA Photocell Receptacle, Add</i>	12.38	
	<i>For Backlight Control Shield, Add</i>	24.85	
	<i>For Field Adjustable Output, Add</i>	18.58	
	<i>For Bird Spikes, Add</i>	36.54	
	<i>For Field Adjustable Output And Utility Label, Add</i>	24.77	
	<i>For Fuse, Add</i>	37.15	
	<i>For Field Adjustable Output, Utility Label And 3 Or 7-Pin NEMA Photocell Receptacle, Add</i>	37.15	
	<i>For 480 Volt, Add</i>	55.73	
	<i>For Multi-Level, Add</i>	80.49	



Electrical	26
Lighting	26 50
Exterior Lighting	26 56

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 19 00-0068 EA 8,407 Lumens, 4,000K, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSP1™ BXSP-C-HT-XXX-E)	568.39	131.41
For 3 Or 7-Pin NEMA Photocell Receptacle, Add	12.38	
For Backlight Control Shield, Add	24.85	
For Field Adjustable Output, Add	18.58	
For Bird Spikes, Add	36.54	
For Field Adjustable Output And Utility Label, Add	24.77	
For Field Adjustable Output, Utility Label And 3 Or 7-Pin NEMA Photocell Receptacle, Add	37.15	
For 480 Volt, Add	55.73	
26 56 19 00-0069 EA 8,820 Lumens, 5,700K, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSP1™ BXSP-C-HT-XXX-E)	568.39	131.41
For 3 Or 7-Pin NEMA Photocell Receptacle, Add	12.38	
For Backlight Control Shield, Add	24.85	
For Field Adjustable Output, Add	18.58	
For Bird Spikes, Add	36.54	
For Field Adjustable Output And Utility Label, Add	24.77	
For Field Adjustable Output, Utility Label And 3 Or 7-Pin NEMA Photocell Receptacle, Add	37.15	
For 480 Volt, Add	55.73	
26 56 19 00-0070 EA 9,612 Lumens, 4,000K, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSP2™ BXSP-B-HT-XXX-B)	651.60	131.41
For 3 Or 7-Pin NEMA Photocell Receptacle, Add	12.38	
For Field Adjustable Output, Add	18.58	
For Backlight Control Shield, Add	33.94	
For Field Adjustable Output And Utility Label, Add	24.77	
For Fuse, Add	37.15	
For Field Adjustable Output, Utility Label And 3 Or 7-Pin NEMA Photocell Receptacle, Add	37.15	
For Bird Spikes, Add	57.36	
For 480 Volt, Add	55.73	
For Multi-Level, Add	80.49	
26 56 19 00-0071 EA 10,680 Lumens, 5,700K, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSP2™ BXSP-B-HT-XXX-B)	651.60	131.41
For 3 Or 7-Pin NEMA Photocell Receptacle, Add	12.38	
For Field Adjustable Output, Add	18.58	
For Backlight Control Shield, Add	33.94	
For Field Adjustable Output And Utility Label, Add	24.77	
For Fuse, Add	37.15	
For Field Adjustable Output, Utility Label And 3 Or 7-Pin NEMA Photocell Receptacle, Add	37.15	
For Bird Spikes, Add	57.36	
For 480 Volt, Add	55.73	
For Multi-Level, Add	80.49	
26 56 19 00-0072 EA 13,732 Lumens, 4,000K, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSP2™ BXSP-C-HT-XXX-F)	729.63	131.41
For 3 Or 7-Pin NEMA Photocell Receptacle, Add	12.38	
For Field Adjustable Output, Add	18.58	
For Backlight Control Shield, Add	33.94	
For Field Adjustable Output And Utility Label, Add	24.77	
For Field Adjustable Output, Utility Label And 3 Or 7-Pin NEMA Photocell Receptacle, Add	37.15	
For Bird Spikes, Add	57.36	
For 480 Volt, Add	55.73	
26 56 19 00-0073 EA 14,408 Lumens, 5,700K, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSP2™ BXSP-C-HT-XXX-F)	729.63	131.41
For 3 Or 7-Pin NEMA Photocell Receptacle, Add	12.38	
For Field Adjustable Output, Add	18.58	
For Backlight Control Shield, Add	33.94	
For Field Adjustable Output And Utility Label, Add	24.77	
For Field Adjustable Output, Utility Label And 3 Or 7-Pin NEMA Photocell Receptacle, Add	37.15	
For Bird Spikes, Add	57.36	
For 480 Volt, Add	55.73	
26 56 19 00-0074 EA 2,529 Lumens, 4,000K, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSPR™ BXSPR-A-O-X-X-G)	438.36	131.41
For Utility Label, Add	6.19	
For 3 Or 7-Pin NEMA Photocell Receptacle, Add	12.38	
For Utility Label And 3 Or 7-Pin NEMA Photocell Receptacle, Add	18.58	
For 0 To 10 Volt Dimming, Add	37.15	
26 56 19 00-0075 EA 2,722 Lumens, 5,700K, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSPR™ BXSPR-A-O-X-X-G)	438.36	131.41
For Utility Label, Add	6.19	
For 3 Or 7-Pin NEMA Photocell Receptacle, Add	12.38	
For Utility Label And 3 Or 7-Pin NEMA Photocell Receptacle, Add	18.58	
For 0 To 10 Volt Dimming, Add	37.15	
26 56 19 00-0076 EA 3,819 Lumens, 4,000K, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSPR™ BXSPR-A-O-X-X-C)	457.87	131.41
For Utility Label, Add	6.19	
For 3 Or 7-Pin NEMA Photocell Receptacle, Add	12.38	
For Utility Label And 3 Or 7-Pin NEMA Photocell Receptacle, Add	18.58	
For 0 To 10 Volt Dimming, Add	37.15	
26 56 19 00-0077 EA 4,109 Lumens, 5,700K, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSPR™ BXSPR-A-O-X-X-C)	457.87	131.41
For Utility Label, Add	6.19	
For 3 Or 7-Pin NEMA Photocell Receptacle, Add	12.38	
For Utility Label And 3 Or 7-Pin NEMA Photocell Receptacle, Add	18.58	
For 0 To 10 Volt Dimming, Add	37.15	

26	Electrical
26 50	Lighting
26 56	Exterior Lighting



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 19 00-0078	EA	4,548 Lumens, 4,000K, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSPR™ BXSPR-B-HT-XXX-A).....	464.37	131.41
		<i>For 3 Or 7-Pin NEMA Photocell Receptacle, Add</i>	12.38	
		<i>For Field Adjustable Output, Add</i>	18.58	
		<i>For Field Adjustable Output And Utility Label, Add</i>	24.77	
		<i>For Field Adjustable Output, Utility Label And 3 Or 7-Pin NEMA Photocell Receptacle, Add</i>	37.15	
		<i>For 0 To 10 Volt Dimming, Add</i>	37.15	
26 56 19 00-0079	EA	4,627 Lumens, 5,700K, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSPR™ BXSPR-B-HT-XXX-A).....	464.37	131.41
		<i>For 3 Or 7-Pin NEMA Photocell Receptacle, Add</i>	12.38	
		<i>For Field Adjustable Output, Add</i>	18.58	
		<i>For Field Adjustable Output And Utility Label, Add</i>	24.77	
		<i>For Field Adjustable Output, Utility Label And 3 Or 7-Pin NEMA Photocell Receptacle, Add</i>	37.15	
		<i>For 0 To 10 Volt Dimming, Add</i>	37.15	
26 56 19 00-0080		Horizontal Tenon Mount, LED Cobra Head Street Lights (CREE® RSW™) <small>(26 56 19 00-0044)</small> Note: UL wet listed. Includes 120-277 voltage, die-cast extruded aluminum housing assembly and gray powder coat finish. Includes utility label and NEMA® photocell receptacle. Excludes sensors.		
26 56 19 00-0081	EA	3,300 Lumens, 3,000K, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® RSW-HT-XXX-30W-30K-UL-GY-N) (DLC Certified)	451.37	131.41
		<i>For Field Adjustable Output, Add</i>	18.58	
		<i>For Backlight Control Shield, Add</i>	44.10	
		<i>For Bird Spikes, Add</i>	57.72	
26 56 19 00-0082	EA	3,300 Lumens, 4,000K, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® RSW-HT-XXX-30W-40K-UL-GY-N) (DLC Certified)	451.37	131.41
		<i>For Field Adjustable Output, Add</i>	18.58	
		<i>For Backlight Control Shield, Add</i>	44.10	
		<i>For Bird Spikes, Add</i>	57.72	
26 56 19 00-0083	EA	5,000 Lumens, 3,000K, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® RSW-HT-2ME-50W-30K-UL-GY-N) (DLC Certified)	464.37	131.41
		<i>For Field Adjustable Output, Add</i>	18.58	
		<i>For Backlight Control Shield, Add</i>	44.10	
		<i>For Bird Spikes, Add</i>	57.72	
26 56 19 00-0084	EA	5,000 Lumens, 4,000K, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® RSW-HT-2ME-50W-40K-UL-GY-N) (DLC Certified)	464.37	131.41
		<i>For Field Adjustable Output, Add</i>	18.58	
		<i>For Backlight Control Shield, Add</i>	44.10	
		<i>For Bird Spikes, Add</i>	57.72	
26 56 19 00-0085		LED Roadway Lighting (Cooper Lighting) <small>(26 56 19 00-0035)</small>		
26 56 19 00-0086		Horizontal Tenon Mount, LED Roadway Fixtures (Cooper Lighting Streetworks NVN™) <small>(26 56 19 00-0085)</small> Note: UL wet listed. Includes 4,000K color temperature, 120-480 voltage, die-cast extruded aluminum housing assembly and powder coat finish. Excludes sensors.		
26 56 19 00-0087	EA	1 LED Light Square, 51 System Watts, Horizontal Tenon Mount, LED Roadway Fixture (Cooper Lighting Streetworks™ NVN-AA).....	613.77	131.41
26 56 19 00-0088	EA	2 LED Light Squares, 103 System Watts, Horizontal Tenon Mount, LED Roadway Fixture (Cooper Lighting Streetworks™ NVN-AA).....	809.15	146.02
26 56 19 00-0089	EA	3 LED Light Squares, 154 System Watts, Horizontal Tenon Mount, LED Roadway Fixture (Cooper Lighting Streetworks™ NVN-AA).....	875.94	167.92
26 56 19 00-0090	EA	4 LED Light Squares, 206 System Watts, Horizontal Tenon Mount, LED Roadway Fixture (Cooper Lighting Streetworks™ NVN-AA).....	1,255.57	182.51
26 56 19 00-0091	EA	6 LED Light Squares, 309 System Watts, Horizontal Tenon Mount, LED Roadway Fixture (Cooper Lighting Streetworks™ NVN-AA).....	1,624.32	207.79
26 56 19 00-0092		LED Roadway Lighting (PlanLED) <small>(26 56 19 00-0035)</small>		
26 56 19 00-0093		Horizontal Tenon Mount, LED Roadway Fixtures (PlanLED GigaTera HERA) <small>(26 56 19 00-0092)</small> Note: UL wet listed. Includes 3,000K, 4,000K or 5,000K color temperature, 120-277 voltage, integral 20kV surge suppression, die-cast extruded aluminum housing assembly and powder coat finish. Excludes sensors.		
26 56 19 00-0094	EA	8,500 Lumens, 85 System Watts, Horizontal Tenon Mount, LED Roadway Fixture (PlanLED GigaTera HERA 85W).....	711.22	127.76
26 56 19 00-0095	EA	11,000 Lumens, 110 System Watts, Horizontal Tenon Mount, LED Roadway Fixture (PlanLED GigaTera HERA 110W).....	766.53	129.17
26 56 19 00-0096	EA	15,000 Lumens, 150 System Watts, Horizontal Tenon Mount, LED Roadway Fixture (PlanLED GigaTera HERA 150W).....	810.92	131.41
26 56 19 00-0097		Horizontal Tenon Mount, LED Roadway Fixtures (PlanLED GigaTera SETA) <small>(26 56 19 00-0092)</small> Note: UL wet listed. Includes 3,000K, 3,500K, 4,000K or 5,000K color temperature, 120-277 voltage, integral 20kV surge suppression, die-cast extruded aluminum housing assembly and powder coat finish. Excludes sensors.		
26 56 19 00-0098	EA	7,200 Lumens, 60 System Watts, Horizontal Tenon Mount, LED Roadway Fixture (PlanLED GigaTera SETA SET060)	498.20	124.67
26 56 19 00-0099	EA	10,000 Lumens, 80 System Watts, Horizontal Tenon Mount, LED Roadway Fixture (PlanLED GigaTera SETA SET080)	528.94	126.92



Electrical	26	26
Lighting	26 50	
Exterior Lighting	26 56	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 19 00-0100	EA		12,500 Lumens, 100 System Watts, Horizontal Tenon Mount, LED Roadway Fixture (PlanLED GigaTera SETA SET100).....	576.48	129.17
26 56 19 00-0101			Horizontal Tenon Mount, LED Roadway Fixtures (PlanLED GigaTera META) <small>(26 56 19 00-0092)</small> Note: UL wet listed. Includes 3,000K, 4,000K or 5,000K color temperature, 120-277 voltage, integral 20kV surge suppression, die-cast extruded aluminum housing assembly and powder coat finish. Excludes sensors.		
26 56 19 00-0102	EA		13,000 Lumens, 100 System Watts, Horizontal Tenon Mount, LED Roadway Fixture (PlanLED GigaTera META MT100).....	606.93	129.17
			<i>For 0 To 10 Volt Dimming, Add</i>	49.73	
			<i>For 347-480 Volt, Add</i>	49.73	
26 56 19 00-0103	EA		16,900 Lumens, 130 System Watts, Horizontal Tenon Mount, LED Roadway Fixture (PlanLED GigaTera META MT130).....	663.78	130.29
			<i>For 0 To 10 Volt Dimming, Add</i>	49.73	
			<i>For 347-480 Volt, Add</i>	18.31	
26 56 19 00-0104	EA		19,500 Lumens, 150 System Watts, Horizontal Tenon Mount, LED Roadway Fixture (PlanLED GigaTera META MT150).....	708.02	131.41
			<i>For 0 To 10 Volt Dimming, Add</i>	49.73	
			<i>For 347-480 Volt, Add</i>	0.55	
26 56 19 00-0105			LED Roadway Lighting (General Electric) <small>(26 56 19 00-0035)</small>		
26 56 19 00-0106			Horizontal Tenon Mount, LED Cobra Head Street Lights (General Electric) <small>(26 56 19 00-0105)</small> Note: UL wet listed. Includes 4,000K or 5,700K color temperature, 120-480 voltage, die-cast extruded aluminum housing assembly and black or gray powder coat finish. Excludes sensors.		
26 56 19 00-0107	EA		2,700 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (General Electric ERX1 0 23).....	464.87	124.11
			<i>For LightGrid™ Wireless Outdoor Controller, Add</i>	20.00	
26 56 19 00-0108	EA		4,100 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (General Electric ERX1 0 B1).....	494.97	127.76
			<i>For LightGrid™ Wireless Outdoor Controller, Add</i>	20.00	
26 56 19 00-0109	EA		5,200 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (General Electric ERX1 0 C1).....	513.33	129.17
			<i>For LightGrid™ Wireless Outdoor Controller, Add</i>	20.00	
26 56 19 00-0110	EA		9,600 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (General Electric ERX1 0 G1).....	565.56	135.06
			<i>For LightGrid™ Wireless Outdoor Controller, Add</i>	20.00	
26 56 19 00-0111	EA		2,800 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (General Electric ERS1 0 23).....	485.60	124.11
			<i>For LightGrid™ Wireless Outdoor Controller, Add</i>	20.00	
26 56 19 00-0112	EA		4,200 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (General Electric ERS1 0 B2).....	534.37	127.76
			<i>For LightGrid™ Wireless Outdoor Controller, Add</i>	20.00	
26 56 19 00-0113	EA		5,300 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (General Electric ERS1 0 C2).....	545.47	129.17
			<i>For LightGrid™ Wireless Outdoor Controller, Add</i>	20.00	
26 56 19 00-0114	EA		10,200 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (General Electric ERS1 0 G2).....	588.37	135.06
			<i>For LightGrid™ Wireless Outdoor Controller, Add</i>	20.00	
26 56 19 00-0115	EA		11,600 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (General Electric ERS2 0 E3).....	678.58	138.72
			<i>For LightGrid™ Wireless Outdoor Controller, Add</i>	20.00	
26 56 19 00-0116	EA		19,200 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (General Electric ERS2 0 G3).....	758.50	146.02
			<i>For LightGrid™ Wireless Outdoor Controller, Add</i>	20.00	
26 56 19 00-0117			LED Roadway Lighting (Acuity AEL Autobahn) <small>(26 56 19 00-0035)</small>		
26 56 19 00-0118			Horizontal Tenon Mount, LED Cobra Head Street Lights (Acuity AEL Autobahn) <small>(26 56 19 00-0117)</small> Note: UL wet listed. Includes 4,000K or 5,000K color temperature, 120-480 voltage, integral 10kV surge suppression, 0-10V dimming, die-cast extruded aluminum housing assembly and white, black, gray, graphite or bronze powder coat finish. Excludes sensors.		
26 56 19 00-0119	EA		4,200 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Acuity AEL Autobahn ATB0 20ALEDE70).....	697.17	127.76
26 56 19 00-0120	EA		6,700 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Acuity AEL Autobahn ATB0 30BLEDE70).....	846.09	131.41
26 56 19 00-0121	EA		9,000 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Acuity AEL Autobahn ATB2 40BLEDE70).....	1,145.11	135.06
26 56 19 00-0122	EA		13,500 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Acuity AEL Autobahn ATB2 60BLEDE70).....	1,447.40	140.40
26 56 19 00-0123	EA		17,800 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Acuity AEL Autobahn ATB2 80BLEDE70).....	1,741.93	144.33
26 56 19 00-0124			LED Roadway Lighting (Leotek) <small>(26 56 19 00-0035)</small>		
26 56 19 00-0125			Horizontal Tenon Mount, LED Cobra Head Street Lights (Leotek) <small>(26 56 19 00-0124)</small> Note: UL wet listed. Includes 4,000K color temperature, 120-277 voltage, integral surge protector, die-cast and extruded aluminum housing assembly and gray powder coat finish. Excludes sensors.		
26 56 19 00-0126	EA		2,500 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek EC1-4M-MV-NW-X-GY-WL-XXX).....	369.04	124.11
			<i>For Utility Wattage Label, Add</i>	1.24	
			<i>For ANSI 5-wire Photocontrol Receptacle, Add</i>	12.44	
			<i>For ANSI 7-wire Photocontrol Receptacle, Add</i>	13.68	
			<i>For House Or Cul-De-Sac Side Shield, Add</i>	29.02	
26 56 19 00-0127	EA		4,000 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek EC1-6M-MV-NW-X-GY-WL-XXX).....	414.43	127.76
			<i>For Utility Wattage Label, Add</i>	1.24	
			<i>For ANSI 5-wire Photocontrol Receptacle, Add</i>	12.44	
			<i>For ANSI 7-wire Photocontrol Receptacle, Add</i>	13.68	
			<i>For House Or Cul-De-Sac Side Shield, Add</i>	29.02	

26	Electrical
26 50	Lighting
26 56	Exterior Lighting



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 19 00-0128	EA		6,500 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek EC3-10M-MV-NW-X-GY-WL-XXX).....	468.53	131.41
			<i>For Utility Wattage Label, Add</i>	1.24	
			<i>For ANSI 5-wire Photocontrol Receptacle, Add</i>	12.44	
			<i>For ANSI 7-wire Photocontrol Receptacle, Add</i>	13.68	
			<i>For House Or Cul-De-Sac Side Shield, Add</i>	31.10	
26 56 19 00-0129	EA		9,400 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek EC4-14M-MV-NW-X-GY-WL-XXX).....	521.56	135.06
			<i>For Utility Wattage Label, Add</i>	1.24	
			<i>For ANSI 5-wire Photocontrol Receptacle, Add</i>	12.44	
			<i>For ANSI 7-wire Photocontrol Receptacle, Add</i>	13.68	
			<i>For House Or Cul-De-Sac Side Shield, Add</i>	34.21	
26 56 19 00-0130	EA		11,900 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek EC7-18M-MV-NW-X-GY-WL-XXX).....	620.28	138.72
			<i>For Utility Wattage Label, Add</i>	1.24	
			<i>For ANSI 5-wire Photocontrol Receptacle, Add</i>	12.44	
			<i>For ANSI 7-wire Photocontrol Receptacle, Add</i>	13.68	
			<i>For House Or Cul-De-Sac Side Shield, Add</i>	37.32	
26 56 19 00-0131	EA		15,800 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek EC7-24M-MV-NW-X-GY-WL-XXX).....	704.85	142.37
			<i>For Utility Wattage Label, Add</i>	1.24	
			<i>For ANSI 5-wire Photocontrol Receptacle, Add</i>	12.44	
			<i>For ANSI 7-wire Photocontrol Receptacle, Add</i>	13.68	
			<i>For House Or Cul-De-Sac Side Shield, Add</i>	37.32	
26 56 19 00-0132	EA		19,100 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek EC9-30M-MV-NW-X-GY-WL-XXX).....	776.38	146.02
			<i>For Utility Wattage Label, Add</i>	1.24	
			<i>For ANSI 5-wire Photocontrol Receptacle, Add</i>	12.44	
			<i>For ANSI 7-wire Photocontrol Receptacle, Add</i>	13.68	
			<i>For House Or Cul-De-Sac Side Shield, Add</i>	37.32	
26 56 19 00-0133			Induction Roadway Lighting <small>(26 56 19)</small>		
26 56 19 00-0134			Induction Roadway Lighting (US Lighting Tech) <small>(26 56 19 00-0133)</small>		
			Note: Includes gray powder coat finish heavy duty die cast aluminum body and flat glass lens.		
26 56 19 00-0135	EA		40 Watt Induction, Horizontal Tenon Mount, Street Light (US Lighting Tech Jersey HR, 511).....	619.56	168.48
26 56 19 00-0136	EA		70 Watt Induction, Horizontal Tenon Mount, Street Light (US Lighting Tech Jersey HR, 511).....	686.21	174.09
26 56 19 00-0137	EA		100 Watt Induction, Horizontal Tenon Mount, Street Light (US Lighting Tech Jersey HR, 511).....	708.67	185.33
26 56 19 00-0138	EA		150 Watt Induction, Horizontal Tenon Mount, Street Light (US Lighting Tech Jersey HR, 511).....	731.13	196.56
26 56 19 00-0139	EA		200 Watt Induction, Horizontal Tenon Mount, Street Light (US Lighting Tech Jersey HR, 511).....	869.83	202.17
26 56 19 00-0140	EA		250 Watt Induction, Horizontal Tenon Mount, Street Light (US Lighting Tech Jersey HR, 511).....	885.48	207.79
26 56 19 00-0141	EA		40 Watt Induction, Horizontal Tenon Mount, Cobra Head Street Light (US Lighting Tech Cobra 100, 512).....	573.01	168.48
26 56 19 00-0142	EA		70 Watt Induction, Horizontal Tenon Mount, Cobra Head Street Light (US Lighting Tech Cobra 100, 512).....	646.32	174.09
26 56 19 00-0143	EA		100 Watt Induction, Horizontal Tenon Mount, Cobra Head Street Light (US Lighting Tech Cobra 100, 512).....	668.78	185.33
26 56 19 00-0144	EA		150 Watt Induction, Horizontal Tenon Mount, Cobra Head Street Light (US Lighting Tech Cobra 100, 512).....	691.24	196.56
26 56 23			Area Lighting <small>(26 56)</small>		
26 56 23 00-0001			Exterior Globe <small>(26 56 23)</small>		
26 56 23 00-0002			Incandescent <small>(26 56 23 00-0001)</small>		
26 56 23 00-0003	EA		100 Watt Incandescent, Enclosed And Gasketed, Exterior Wall Fixture.....	55.35	18.97
26 56 23 00-0004	EA		150-200 Watt Incandescent, Enclosed And Gasketed, Exterior Wall Fixture.....	88.85	18.97
26 56 23 00-0005	EA		100 Watt Incandescent, Enclosed And Gasketed With Guard, Exterior Wall Fixture.....	66.68	18.97
26 56 23 00-0006	EA		150-200 Watt Incandescent, Enclosed And Gasketed With Guard, Exterior Wall Fixture.....	93.21	18.97
26 56 23 00-0007			Surface Mounted, Rectangular Exterior Area Fixture <small>(26 56 23)</small>		
26 56 23 00-0008			Metal Halide <small>(26 56 23 00-0007)</small>		
26 56 23 00-0009	EA		175 Watt Metal Halide, Surface Mounted, Enclosed And Gasketed, Rectangular Exterior Area Fixture.....	594.59	211.90
26 56 23 00-0010	EA		250 Watt Metal Halide, Surface Mounted, Enclosed And Gasketed, Rectangular Exterior Area Fixture.....	684.15	238.39
26 56 23 00-0011	EA		400 Watt Metal Halide, Surface Mounted, Enclosed And Gasketed, Rectangular Exterior Area Fixture.....	827.07	264.88
26 56 23 00-0012	EA		1,000 Watt Metal Halide, Surface Mounted, Enclosed And Gasketed, Rectangular Exterior Area Fixture.....	1,044.18	310.44
26 56 23 00-0013			High Pressure Sodium <small>(26 56 23 00-0007)</small>		
26 56 23 00-0014	EA		70 Watt High Pressure Sodium, Surface Mounted, Enclosed And Gasketed, Rectangular Exterior Area Fixture (LumaPro).....	581.30	181.18
26 56 23 00-0015	EA		100 Watt High Pressure Sodium, Surface Mounted, Enclosed And Gasketed, Rectangular Exterior Area Fixture (LumaPro).....	633.61	192.83
26 56 23 00-0016	EA		150 Watt High Pressure Sodium, Surface Mounted, Enclosed And Gasketed, Rectangular Exterior Area Fixture (LumaPro).....	685.94	203.43
26 56 23 00-0017	EA		175 Watt High Pressure Sodium, Surface Mounted, Enclosed And Gasketed, Rectangular Exterior Area Fixture.....	708.62	211.90
26 56 23 00-0018	EA		250 Watt High Pressure Sodium, Surface Mounted, Enclosed And Gasketed, Rectangular Exterior Area Fixture.....	790.24	238.39
26 56 23 00-0019	EA		400 Watt High Pressure Sodium, Surface Mounted, Enclosed And Gasketed, Rectangular Exterior Area Fixture.....	854.56	264.88
26 56 23 00-0020	EA		1,000 Watt High Pressure Sodium, Surface Mounted, Enclosed And Gasketed, Rectangular Exterior Area Fixture.....	1,149.87	310.44
26 56 23 00-0021			Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixtures <small>(26 56 23)</small>		



Electrical	26	26
Lighting	26 50	
Exterior Lighting	26 56	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 23 00-0022	High Pressure Sodium, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixtures <small>(26 56 23 00-0021)</small>	
Note: Includes cast aluminum powder coated housing, polycarbonate lens and tamperproof screws.		
26 56 23 00-0023 EA 35 Watt High Pressure Sodium, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture	554.46	143.03
26 56 23 00-0024 EA 50 Watt High Pressure Sodium, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture	578.32	158.93
26 56 23 00-0025 EA 70 Watt High Pressure Sodium, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture	531.36	181.18
26 56 23 00-0026 EA 100 Watt High Pressure Sodium, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture	640.29	192.83
26 56 23 00-0027 EA 150 Watt High Pressure Sodium, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture	660.26	203.43
26 56 23 00-0028 EA 175 Watt High Pressure Sodium, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture	691.56	211.90
26 56 23 00-0029 EA 250 Watt High Pressure Sodium, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture	757.20	238.39
26 56 23 00-0030 EA 400 Watt High Pressure Sodium, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture	911.24	264.88
26 56 23 00-0031	Metal Halide, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixtures <small>(26 56 23 00-0021)</small>	
Note: Includes cast aluminum powder coated housing, polycarbonate lens and tamperproof screws.		
26 56 23 00-0032 EA 50 Watt Metal Halide, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture	513.44	158.93
26 56 23 00-0033 EA 70 Watt Metal Halide, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture	551.55	181.18
26 56 23 00-0034 EA 100 Watt Metal Halide, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture	573.32	192.83
26 56 23 00-0035 EA 150 Watt Metal Halide, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture	603.35	203.43
26 56 23 00-0036 EA 175 Watt Metal Halide, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture	615.17	211.90
26 56 23 00-0037 EA 250 Watt Metal Halide, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture	671.25	238.39
26 56 23 00-0038 EA 400 Watt Metal Halide, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture	827.95	264.88
26 56 23 00-0039	Compact Fluorescent And Incandescent, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixtures <small>(26 56 23 00-0021)</small>	
Note: Includes cast aluminum powder coated housing, polycarbonate lens and tamperproof screws.		
26 56 23 00-0040 EA 7 Watt Fluorescent, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture	191.27	75.89
26 56 23 00-0041 EA 9 Watt Fluorescent, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture	200.80	80.63
26 56 23 00-0042 EA 13 Or 14 Watt Fluorescent, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture	217.97	85.38
26 56 23 00-0043 EA 75 Watt Incandescent, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture	227.39	94.85
26 56 23 00-0044 EA 100 Watt Incandescent, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture	256.78	109.08
26 56 23 00-0045	Wall Packs <small>(26 56 23)</small>	
26 56 23 00-0046	Non Cutoff, Polycarbonate Lens, Mini Wall Packs <small>(26 56 23 00-0045)</small>	
Note: Polycarbonate body and aluminum reflector. 11" x 6-1/2" x 5-1/4". Lithonia TWS.		
26 56 23 00-0047 EA 13 Watt Compact Fluorescent, Non Cutoff, Polycarbonate Lens, Mini Wall Pack	247.43	51.88
26 56 23 00-0048 EA 50 Watt Metal Halide, Non Cutoff, Polycarbonate Lens, Mini Wall Pack	260.92	51.88
26 56 23 00-0049 EA 35 Watt High Pressure Sodium, Non Cutoff, Polycarbonate Lens, Mini Wall Pack	260.92	51.88
26 56 23 00-0050 EA 70 Watt High Pressure Sodium, Non Cutoff, Polycarbonate Lens, Mini Wall Pack	326.31	51.88
26 56 23 00-0051	Semi Cutoff, Polycarbonate Lens, Mini Wall Packs <small>(26 56 23 00-0045)</small>	
Note: Polycarbonate body and diffused aluminum reflector. 10" x 11-1/2" x 8-15/16". Lithonia TWA.		
26 56 23 00-0052 EA 42 Watt Compact Fluorescent, Semi Cutoff, Polycarbonate Lens, Mini Wall Pack	431.84	51.88
26 56 23 00-0053 EA 50 Watt Metal Halide, Semi Cutoff, Polycarbonate Lens, Mini Wall Pack	436.70	51.88
26 56 23 00-0054 EA 70 Watt Metal Halide, Semi Cutoff, Polycarbonate Lens, Mini Wall Pack	440.89	51.88
26 56 23 00-0055 EA 100 Watt Metal Halide, Semi Cutoff, Polycarbonate Lens, Mini Wall Pack	433.24	51.88
26 56 23 00-0056 EA 70 Watt High Pressure Sodium, Semi Cutoff, Polycarbonate Lens, Mini Wall Pack	401.77	51.88
26 56 23 00-0057 EA 100 Watt High Pressure Sodium, Semi Cutoff, Polycarbonate Lens, Mini Wall Pack	384.49	51.88
26 56 23 00-0058	Cutoff, Polycarbonate Lens, Mini Wall Packs <small>(26 56 23 00-0045)</small>	
Note: Polycarbonate body and diffused aluminum reflector. 10" x 11-1/2" x 8-15/16". Lithonia TWAC.		
26 56 23 00-0059 EA 50 Watt Metal Halide, Cutoff, Polycarbonate Lens, Mini Wall Pack	451.75	51.88
26 56 23 00-0060 EA 70 Watt Metal Halide, Cutoff, Polycarbonate Lens, Mini Wall Pack	456.17	51.88
26 56 23 00-0061 EA 100 Watt Metal Halide, Cutoff, Polycarbonate Lens, Mini Wall Pack	448.53	51.88
26 56 23 00-0062 EA 70 Watt High Pressure Sodium, Cutoff, Polycarbonate Lens, Mini Wall Pack	454.69	51.88
26 56 23 00-0063 EA 100 Watt High Pressure Sodium, Cutoff, Polycarbonate Lens, Mini Wall Pack	454.69	51.88
26 56 23 00-0064	Non Cutoff, Borosilicate Glass Lens, Small Wall Packs <small>(26 56 23 00-0045)</small>	
Note: Aluminum body and reflector. 9" x 13" x 7-3/8". Lithonia TWR1.		
26 56 23 00-0065 EA 70 Watt Metal Halide, Non Cutoff, Borosilicate Glass Lens, Small Wall Pack	452.79	69.10
26 56 23 00-0066 EA 100 Watt Metal Halide, Non Cutoff, Borosilicate Glass Lens, Small Wall Pack	452.79	69.10
26 56 23 00-0067 EA 175 Watt Metal Halide, Non Cutoff, Borosilicate Glass Lens, Small Wall Pack	429.11	69.10
26 56 23 00-0068 EA 70 Watt High Pressure Sodium, Non Cutoff, Borosilicate Glass Lens, Small Wall Pack	438.19	69.10
26 56 23 00-0069 EA 100 Watt High Pressure Sodium, Non Cutoff, Borosilicate Glass Lens, Small Wall Pack	438.19	69.10
26 56 23 00-0070 EA 150 Watt High Pressure Sodium, Non Cutoff, Borosilicate Glass Lens, Small Wall Pack	411.93	69.10
26 56 23 00-0071	Cutoff, Borosilicate Glass Lens, Small Wall Packs <small>(26 56 23 00-0045)</small>	
Note: Aluminum body and reflector. 10-1/4" x 13" x 8-15/32". Lithonia TWR1C.		
26 56 23 00-0072 EA 70 Watt Metal Halide, Cutoff, Borosilicate Glass Lens, Small Wall Pack	466.82	69.10
26 56 23 00-0073 EA 100 Watt Metal Halide, Cutoff, Borosilicate Glass Lens, Small Wall Pack	466.82	69.10
26 56 23 00-0074 EA 175 Watt Metal Halide, Cutoff, Borosilicate Glass Lens, Small Wall Pack	466.82	69.10
26 56 23 00-0075 EA 70 Watt High Pressure Sodium, Cutoff, Borosilicate Glass Lens, Small Wall Pack	452.89	69.10

26 Electrical
26 50 Lighting
26 56 Exterior Lighting



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 23 00-0076 EA 100 Watt High Pressure Sodium, Cutoff, Borosilicate Glass Lens, Small Wall Pack	452.89	69.10
26 56 23 00-0077 EA 150 Watt High Pressure Sodium, Cutoff, Borosilicate Glass Lens, Small Wall Pack	452.89	69.10
26 56 23 00-0078 Full Cutoff, Tempered Glass Lens, Small Wall Packs (26 56 23 00-0045) Note: Aluminum body and reflector. 9-3/8" x 14-3/8" x 8-3/4". Meets Nighttime Friendly criteria. Lithonia TWR1S.		
26 56 23 00-0079 EA 175 Watt Metal Halide, Full Cutoff, Tempered Glass Lens, Small Wall Pack	580.17	69.10
26 56 23 00-0080 Cutoff, Borosilicate Glass Lens, Medium Wall Packs (26 56 23 00-0045) Note: Aluminum body and reflector. Lithonia TWR2.		
26 56 23 00-0081 EA 250 Watt Metal Halide, Cutoff, Borosilicate Glass Lens, Medium Wall Pack	569.82	85.60
Note: 9-1/4" x 17-7/8" x 9-3/8".		
26 56 23 00-0082 EA 400 Watt Metal Halide, Cutoff, Borosilicate Glass Lens, Medium Wall Pack	601.92	85.60
Note: 9-1/4" x 17-7/8" x 12-1/2".		
26 56 23 00-0083 EA 250 Watt High Pressure Sodium, Cutoff, Borosilicate Glass Lens, Medium Wall Pack	640.20	85.60
Note: 9-1/4" x 17-7/8" x 9-3/8".		
26 56 23 00-0084 EA 400 Watt High Pressure Sodium, Cutoff, Borosilicate Glass Lens, Medium Wall Pack	650.73	85.60
Note: 9-1/4" x 17-7/8" x 12-1/2".		
26 56 23 00-0085 Cutoff, Tempered Glass Lens, Medium Wall Packs (26 56 23 00-0045) Note: Aluminum body and reflector. 10" x 17-1/8" x 14-1/2". Lithonia TWR2C.		
26 56 23 00-0086 EA 250 Watt Metal Halide, Cutoff, Tempered Glass Lens, Medium Wall Pack	611.11	85.60
26 56 23 00-0087 EA 400 Watt Metal Halide, Cutoff, Tempered Glass Lens, Medium Wall Pack	647.18	85.60
26 56 23 00-0088 Non Cutoff, Polycarbonate Lens, Large Wall Packs (26 56 23 00-0045) Note: Polycarbonate body and powder coated reflector. 15-7/16" x 16-1/8" x 7-3/4". Lithonia TWP.		
26 56 23 00-0089 EA 100 Watt Metal Halide, Non Cutoff, Polycarbonate Lens, Large Wall Pack	591.43	103.76
26 56 23 00-0090 EA 175 Watt Metal Halide, Non Cutoff, Polycarbonate Lens, Large Wall Pack	553.23	103.76
26 56 23 00-0091 EA 70 Watt High Pressure Sodium, Non Cutoff, Polycarbonate Lens, Large Wall Pack	582.59	103.76
26 56 23 00-0092 EA 100 Watt High Pressure Sodium, Non Cutoff, Polycarbonate Lens, Large Wall Pack	585.52	103.76
26 56 23 00-0093 EA 150 Watt High Pressure Sodium, Non Cutoff, Polycarbonate Lens, Large Wall Pack	588.58	103.76
26 56 23 00-0094 Non Cutoff, Borosilicate Glass Lens, Large Wall Packs (26 56 23 00-0045) Note: Aluminum body and reflector. 15-3/4" x 16-1/4" x 8". Lithonia TWH.		
26 56 23 00-0095 EA 175 Watt Metal Halide, Non Cutoff, Borosilicate Glass Lens, Large Wall Pack	591.44	103.76
26 56 23 00-0096 EA 250 Watt Metal Halide, Non Cutoff, Borosilicate Glass Lens, Large Wall Pack	604.19	103.76
26 56 23 00-0097 EA 400 Watt Metal Halide, Non Cutoff, Borosilicate Glass Lens, Large Wall Pack	642.40	103.76
26 56 23 00-0098 EA 150 Watt High Pressure Sodium, Non Cutoff, Borosilicate Glass Lens, Large Wall Pack	616.93	103.76
26 56 23 00-0099 EA 250 Watt High Pressure Sodium, Non Cutoff, Borosilicate Glass Lens, Large Wall Pack	629.68	103.76
26 56 23 00-0100 EA 400 Watt High Pressure Sodium, Non Cutoff, Borosilicate Glass Lens, Large Wall Pack	655.13	103.76
26 56 23 00-0101 Full Cutoff, LED Wall Packs (26 56 23 00-0045)		
26 56 23 00-0102 Full Cutoff, LED Wall Packs (Lithonia) (26 56 23 00-0101)		
26 56 23 00-0103 EA 30 LEDs, 57 System Watts, 530 mA Drive Current, Full Cutoff, LED Wall Pack (Lithonia CSXW LED)	1,013.36	98.28
26 56 23 00-0104 EA 30 LEDs, 35 System Watts, 350 mA Drive Current, Full Cutoff, LED Wall Pack (Lithonia CSXW LED)	1,102.02	98.28
26 56 23 00-0105 Full Cutoff, LED Wall Packs (CREE® BetaLED®) (26 56 23 00-0101)		
26 56 23 00-0106 Wall Mount, Full Cutoff, LED Wall Packs (CREE® BetaLED® Edge® SEC-EDG) (26 56 23 00-0105) Note: UL wet listed. Includes 4,000K or 5,700K color temperature, 120-277 voltage, 350mA driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.		
26 56 23 00-0107 EA 20 LEDs, 26 System Watts, Wall Mount, Full Cutoff, LED Wall Pack (CREE® BetaLED® Edge® SEC-EDG)	639.54	95.47
Note: Includes 350mA or 525mA driver.		
For 3 Or 7-Pin NEMA Photocell Receptacle, Add	12.38	
For Bird Spikes, Add	32.95	
For Fuse, Add	37.15	
For 0 To 10 Volt Dimming, Add	37.15	
For 480 Volt, Add	55.73	
For Multi-Level, Add	80.49	
26 56 23 00-0108 EA 40 LEDs, 47 System Watts, Wall Mount, Full Cutoff, LED Wall Pack (CREE® BetaLED® Edge® SEC-EDG)	813.31	101.08
Note: Includes 350mA or 525mA driver.		
For 3 Or 7-Pin NEMA Photocell Receptacle, Add	12.38	
For Bird Spikes, Add	33.51	
For Fuse, Add	37.15	
For 0 To 10 Volt Dimming, Add	37.15	
For 480 Volt, Add	55.73	
For Multi-Level, Add	80.49	
26 56 23 00-0109 EA 60 LEDs, 68 System Watts, Wall Mount, Full Cutoff, LED Wall Pack (CREE® BetaLED® Edge® SEC-EDG)	987.08	106.70
Note: Includes 350mA or 525mA driver.		
For 3 Or 7-Pin NEMA Photocell Receptacle, Add	12.38	
For Bird Spikes, Add	34.07	
For Fuse, Add	37.15	
For 0 To 10 Volt Dimming, Add	37.15	
For 480 Volt, Add	55.73	
For Multi-Level, Add	80.49	



Electrical	26	26
Lighting	26 50	
Exterior Lighting	26 56	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 23 00-0110 EA 80 LEDs, 90 System Watts, Wall Mount, Full Cutoff, LED Wall Pack (CREE® BetaLED® Edge® SEC-EDG).....	1,160.86	112.32
Note: Includes 350mA or 525mA driver.		
For 3 Or 7-Pin NEMA Photocell Receptacle, Add	12.38	
For Bird Spikes, Add	34.63	
For Fuse, Add	37.15	
For 0 To 10 Volt Dimming, Add	37.15	
For 480 Volt, Add	55.73	
For Multi-Level, Add	80.49	
26 56 23 00-0111 EA 100 LEDs, 111 System Watts, Wall Mount, Full Cutoff, LED Wall Pack (CREE® BetaLED® Edge® SEC-EDG).....	1,334.63	117.93
For 3 Or 7-Pin NEMA Photocell Receptacle, Add	12.38	
For Bird Spikes, Add	35.19	
For Fuse, Add	37.15	
For 0 To 10 Volt Dimming, Add	37.15	
For 480 Volt, Add	55.73	
For Multi-Level, Add	80.49	
26 56 23 00-0112 EA 120 LEDs, 132 System Watts, Wall Mount, Full Cutoff, LED Wall Pack (CREE® BetaLED® Edge® SEC-EDG).....	1,508.40	123.55
For 3 Or 7-Pin NEMA Photocell Receptacle, Add	12.38	
For Bird Spikes, Add	35.76	
For Fuse, Add	37.15	
For 0 To 10 Volt Dimming, Add	37.15	
For 480 Volt, Add	55.73	
For Multi-Level, Add	80.49	
26 56 23 00-0113 Wall Mount, Full Cutoff, LED Wall Packs (CREE® BetaLED® XSPW™) <small>(26 56 23 00-0105)</small>		
Note: UL wet listed. Includes 4,000K or 5,700K color temperature, 120-277 voltage, Class 2 driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.		
26 56 23 00-0114 EA 25 System Watts, Wall Mount, Full Cutoff, LED Wall Pack (CREE® BetaLED® XSPW™).....	398.18	95.47
For 3 Or 7-Pin NEMA Photocell Receptacle, Add	12.38	
For 0 To 10 Volt Dimming, Add	37.15	
For Multi-Level, Add	37.15	
26 56 23 00-0115 EA 42 System Watts, Wall Mount, Full Cutoff, LED Wall Pack (CREE® BetaLED® XSPW™).....	457.76	101.08
For 3 Or 7-Pin NEMA Photocell Receptacle, Add	12.38	
For 0 To 10 Volt Dimming, Add	37.15	
For Multi-Level, Add	37.15	
26 56 23 00-0116 Semi Cutoff, Induction Wall Packs <small>(26 56 23 00-0045)</small>		
26 56 23 00-0117 Semi Cutoff, Induction Wall Packs (Everlast®) <small>(26 56 23 00-0116)</small>		
Note: UL wet listed. Includes bi-level ballast, die-cast aluminum housing assembly and bronze powder coat finish. Excludes sensors.		
26 56 23 00-0118 EA 70 Watts, Wall Mount, Semi Cutoff, Bi-Level Induction Wall Pack (Everlast® EOF-ED-70).....	679.37	95.47
26 56 23 00-0119 EA 80 Watts, Wall Mount, Semi Cutoff, Bi-Level Induction Wall Pack (Everlast® EOF-ED-80).....	696.05	101.08
26 56 23 00-0120 EA 100 Watts, Wall Mount, Semi Cutoff, Bi-Level Induction Wall Pack (Everlast® EOF-ED-100).....	712.72	106.70
26 56 23 00-0121 EA 120 Watts, Wall Mount, Semi Cutoff, Bi-Level Induction Wall Pack (Everlast® EOF-ED-120).....	789.26	112.32
26 56 23 00-0122 Wall Pack Accessories <small>(26 56 23 00-0045)</small>		
26 56 23 00-0123 EA Photocell For Wall Pack.....	90.94	25.94
26 56 23 00-0124 EA Wire Guard For Mini And Small Wall Pack.....	99.10	25.94
26 56 23 00-0125 EA Wire Guard For Medium And Large Wall Pack.....	133.24	25.94
26 56 23 00-0126 EA Clear Polycarbonate Vandal Guard For Wall Packs.....	182.52	25.94
26 56 23 00-0127 EA Full Cutoff Visor For Wall Pack.....	96.87	25.94
26 56 23 00-0128 LED Area Fixtures <small>(26 56 23)</small>		
26 56 23 00-0129 Pole Mount, LED Area Fixtures <small>(26 56 23 00-0128)</small>		
26 56 23 00-0130 Pole Mount, Rectangular, LED Architectural Area Fixtures (Lithonia DSX) <small>(26 56 23 00-0129)</small>		
Note: UL wet listed. Includes 4,000K color temperature, 480 voltage, 700mA remote driver, die-cast extruded aluminum housing assembly and white, black, aluminum or bronze powder coat finish. Excludes sensors.		
26 56 23 00-0131 EA 20 LEDs, 45 System Watts, Pole Mount, LED Architectural Area Fixture (Lithonia DSXO LED).....	1,922.62	95.47
26 56 23 00-0132 EA 40 LEDs, 91 System Watts, Pole Mount, LED Architectural Area Fixture (Lithonia DSXO LED).....	2,072.38	101.08
26 56 23 00-0133 EA 80 LEDs, 188 System Watts, Pole Mount, LED Architectural Area Fixture (Lithonia DSX2 LED).....	2,233.39	112.32
26 56 23 00-0134 EA 100 LEDs, 218 System Watts, Pole Mount, LED Architectural Area Fixture (Lithonia DSX2 LED).....	2,244.62	117.93
26 56 23 00-0135 Arm Mount, Rectangular, LED Area Fixtures (CREE® BetaLED® Edge® ARE-EDG) <small>(26 56 23 00-0129)</small>		
Note: UL wet listed. Includes 4,000K or 5,700K color temperature, 120/277 voltage, 350mA driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Includes Type III Medium optic. Excludes sensors. All fixtures without the backlight control shield are DLC qualified		
26 56 23 00-0136 EA 40 LEDs, 47 System Watts, Arm Mount, Rectangular, LED Area Fixture (CREE® BetaLED® Edge® ARE-EDG).....	844.77	101.08
For Backlight Shielding, Add	14.70	
For Type II Medium Optic, Add	27.76	
For 347-480 Volt, Add	53.89	
For Multi-Level Drive Currents, Add	147.00	
For Post Top Mount, Add	628.03	

26	Electrical
26 50	Lighting
26 56	Exterior Lighting



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 23 00-0137 EA 60 LEDs, 68 System Watts, Arm Mount, Rectangular, LED Area Fixture (CREE® BetaLED® Edge® ARE-EDG).....	1,010.35	106.70
For Backlight Shielding, Add	14.70	
For Type II Medium Optic, Add	28.32	
For 347-480 Volt, Add	53.89	
For Multi-Level Drive Currents, Add	147.00	
For Post Top Mount, Add	631.40	
26 56 23 00-0138 EA 80 LEDs, 90 System Watts, Arm Mount, Rectangular, LED Area Fixture (CREE® BetaLED® Edge® ARE-EDG).....	1,237.89	112.32
For Backlight Shielding, Add	14.70	
For Type II Medium Optic, Add	28.88	
For 347-480 Volt, Add	53.89	
For Multi-Level Drive Currents, Add	147.00	
For Post Top Mount, Add	634.77	
26 56 23 00-0139 EA 100 LEDs, 111 System Watts, Arm Mount, Rectangular, LED Area Fixture (CREE® BetaLED® Edge® ARE-EDG).....	1,403.47	117.93
For Backlight Shielding, Add	14.70	
For Type II Medium Optic, Add	29.44	
For 347-480 Volt, Add	53.89	
For Multi-Level Drive Currents, Add	147.00	
For Post Top Mount, Add	638.14	
26 56 23 00-0140 EA 120 LEDs, 132 System Watts, Arm Mount, Rectangular, LED Area Fixture (CREE® BetaLED® Edge® ARE-EDG).....	1,569.05	123.55
For Backlight Shielding, Add	14.70	
For Type II Medium Optic, Add	30.01	
For 347-480 Volt, Add	53.89	
For Multi-Level Drive Currents, Add	147.00	
For Post Top Mount, Add	641.51	
26 56 23 00-0141 EA 140 LEDs, 157 System Watts, Arm Mount, Rectangular, LED Area Fixture (CREE® BetaLED® Edge® ARE-EDG).....	1,783.98	129.17
For Backlight Shielding, Add	14.70	
For Type II Medium Optic, Add	30.57	
For 347-480 Volt, Add	53.89	
For Multi-Level Drive Currents, Add	147.00	
For Post Top Mount, Add	644.88	
26 56 23 00-0142 EA 160 LEDs, 179 System Watts, Arm Mount, Rectangular, LED Area Fixture (CREE® BetaLED® Edge® ARE-EDG).....	1,949.56	134.78
For Backlight Shielding, Add	14.70	
For Type II Medium Optic, Add	31.13	
For 347-480 Volt, Add	53.89	
For Multi-Level Drive Currents, Add	147.00	
For Post Top Mount, Add	648.25	
26 56 23 00-0143 Direct Or Arm Mount, Rectangular, High Output, LED Area Fixtures (CREE® BetaLED® Edge® ARE-EHO) (26 56 23 00-0129)		
Note: UL wet listed. Includes 5,700K color temperature, 120/277 voltage, 700mA driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.		
26 56 23 00-0144 EA 120 LEDs, 267 System Watts, Direct Or Arm Mount, Rectangular, High Output, LED Area Fixture (CREE® BetaLED® Edge® ARE-EHO).....	1,455.08	123.55
For 3 Or 7-Pin NEMA Photocell Receptacle, Add	12.38	
For Bird Spikes, Add	31.87	
For 5,000K Color Temperature, Add	30.96	
For Fuse, Add	37.15	
For 0 To 10 Volt Dimming, Add	37.15	
For 480 Volt, Add	55.73	
For Multi-Level, Add	80.49	
For 1,000mA Driver, Add	104.03	
26 56 23 00-0145 EA 240 LEDs, 533 System Watts, Direct Or Arm Mount, Rectangular, High Output, LED Area Fixture (CREE® BetaLED® Edge® ARE-EHO).....	2,421.47	151.63
For 3 Or 7-Pin NEMA Photocell Receptacle, Add	12.38	
For 5,000K Color Temperature, Add	30.96	
For Fuse, Add	37.15	
For 0 To 10 Volt Dimming, Add	37.15	
For Bird Spikes, Add	46.38	
For Multi-Level, Add	80.49	
For 1,000mA Driver, Add	104.02	
For 480 Volt, Add	111.45	
26 56 23 00-0146 Wall Mount, LED Area Fixtures (26 56 23 00-0128)		
26 56 23 00-0147 Wall Mount, LED Architectural Area Fixtures (Lithonia DSXW) (26 56 23 00-0146)		
Note: UL wet listed. Includes 4,000K color temperature, 277 voltage, 700mA remote driver, die-cast extruded aluminum housing assembly and white, black, aluminum or bronze powder coat finish. Excludes sensors.		
26 56 23 00-0148 EA 20 LEDs, 47 System Watts, Wall Mount, LED Architectural Area Fixture (Lithonia DSXW2 LED).....	857.29	95.47
26 56 23 00-0149 EA 30 LEDs, 71 System Watts, Wall Mount, LED Architectural Area Fixture (Lithonia DSXW2 LED).....	879.75	106.70
26 56 23 00-0150 Surface Mount, LED Parking Structure Fixtures (26 56 23 00-0128)		
26 56 23 00-0151 Surface Mount, Rectangular, LED Parking Structure Fixtures (CREE® BetaLED® Edge® PKG-EDG) (26 56 23 00-0150)		
Note: Direct or pendant mount. UL wet listed. Includes 5,700K color temperature, 120-480 voltage, 350mA driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.		



Electrical	26	
Lighting	26 50	26
Exterior Lighting	26 56	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 23 00-0152	EA		40 LEDs, 47 System Watts, Surface Mount, Rectangular, LED Parking Structure Fixture (CREE® BetaLED® Edge® PKG-EDG).....	752.37	101.08
			<i>For Multi-Level Drive Currents, Add</i>	147.00	
26 56 23 00-0153	EA		60 LEDs, 68 System Watts, Surface Mount, Rectangular, LED Parking Structure Fixture (CREE® BetaLED® Edge® PKG-EDG).....	917.95	106.70
			<i>For Multi-Level Drive Currents, Add</i>	147.00	
26 56 23 00-0154	EA		80 LEDs, 90 System Watts, Surface Mount, Rectangular, LED Parking Structure Fixture (CREE® BetaLED® Edge® PKG-EDG).....	1,083.54	112.32
			<i>For Multi-Level Drive Currents, Add</i>	147.00	
26 56 23 00-0155	EA		100 LEDs, 111 System Watts, Surface Mount, Rectangular, LED Parking Structure Fixture (CREE® BetaLED® Edge® PKG-EDG).....	1,249.12	117.93
			<i>For Multi-Level Drive Currents, Add</i>	147.00	
26 56 23 00-0156			Surface Mount, Square, LED Parking Structure Fixtures (CREE® BetaLED® Edge® PKG-304) <small>(26 56 23 00-0150)</small>		
			Note: Direct or pendant mount. UL wet listed. Includes 5,700K color temperature, 120-480 voltage, 350mA driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.		
26 56 23 00-0157	EA		40 LEDs, 47 System Watts, Surface Mount, Square, LED Parking Structure Fixture (CREE® BetaLED® Edge® PKG-304).....	727.17	101.08
			<i>For Multi-Level Drive Currents, Add</i>	147.00	
26 56 23 00-0158	EA		60 LEDs, 68 System Watts, Surface Mount, Square, LED Parking Structure Fixture (CREE® BetaLED® Edge® PKG-304).....	800.35	106.70
			<i>For Multi-Level Drive Currents, Add</i>	147.00	
26 56 23 00-0159			Surface Mount, Square, LED Parking Structure Fixtures (CREE® BetaLED® VG) <small>(26 56 23 00-0150)</small>		
			Note: UL wet listed. Includes 4,000K color temperature, 120-277 voltage, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.		
26 56 23 00-0160	EA		3,700 Lumens, 50 System Watts, Surface Mount, Square, LED Parking Structure Fixtures (CREE® BetaLED® VGADM5MA40KUL).....	597.82	101.08
26 56 23 00-0161			Surface Mount, Rectangular, LED Parking Structure Fixtures (Philips Gardco ELG) <small>(26 56 23 00-0150)</small>		
			Note: Direct or pendant mount. UL wet listed. Includes 4,000K color temperature, 120-277 voltage, die-cast extruded aluminum housing assembly and aluminum finish. Excludes sensors.		
26 56 23 00-0162	EA		70 System Watts, Surface Mount, Rectangular, LED Parking Structure Fixture (Philips Gardco ELG).....	1,082.60	106.70
26 56 23 00-0163	EA		110 System Watts, Surface Mount, Rectangular, LED Parking Structure Fixture (Philips Gardco ELG).....	1,105.07	117.93
26 56 23 00-0164			Surface Mount, LED Canopy Fixtures <small>(26 56 23 00-0128)</small>		
26 56 23 00-0165			Surface Mount, Rectangular, LED Canopy Fixtures (CREE® BetaLED® Edge® CAN-EDG) <small>(26 56 23 00-0164)</small>		
			Note: Direct or pendant mount. UL wet listed. Includes 6,000K color temperature, 120-480 voltage, 350mA driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.		
26 56 23 00-0166	EA		40 LEDs, 47 System Watts, Surface Mount, Rectangular, LED Canopy Fixture (CREE® BetaLED® Edge® CAN-EDG).....	863.67	101.08
			<i>For Multi-Level Drive Currents, Add</i>	147.00	
26 56 23 00-0167	EA		60 LEDs, 68 System Watts, Surface Mount, Rectangular, LED Canopy Fixture (CREE® BetaLED® Edge® CAN-EDG).....	1,029.25	106.70
			<i>For Multi-Level Drive Currents, Add</i>	147.00	
26 56 23 00-0168	EA		80 LEDs, 90 System Watts, Surface Mount, Rectangular, LED Canopy Fixture (CREE® BetaLED® Edge® CAN-EDG).....	1,194.84	112.32
			<i>For Multi-Level Drive Currents, Add</i>	147.00	
26 56 23 00-0169	EA		100 LEDs, 111 System Watts, Surface Mount, Rectangular, LED Canopy Fixture (CREE® BetaLED® Edge® CAN-EDG).....	1,360.42	117.93
			<i>For Multi-Level Drive Currents, Add</i>	147.00	
26 56 23 00-0170	EA		120 LEDs, 132 System Watts, Surface Mount, Rectangular, LED Canopy Fixture (CREE® BetaLED® Edge® CAN-EDG).....	1,526.00	123.55
			<i>For Multi-Level Drive Currents, Add</i>	147.00	
26 56 23 00-0171	EA		140 LEDs, 157 System Watts, Surface Mount, Rectangular, LED Canopy Fixture (CREE® BetaLED® Edge® CAN-EDG).....	1,753.53	129.17
			<i>For Multi-Level Drive Currents, Add</i>	147.00	
26 56 23 00-0172	EA		160 LEDs, 179 System Watts, Surface Mount, Rectangular, LED Canopy Fixture (CREE® BetaLED® Edge® CAN-EDG).....	1,919.11	134.78
			<i>For Multi-Level Drive Currents, Add</i>	147.00	
26 56 23 00-0173	EA		200 LEDs, 221 System Watts, Surface Mount, Rectangular, LED Canopy Fixture (CREE® BetaLED® Edge® CAN-EDG).....	2,250.28	146.02
			<i>For Multi-Level Drive Currents, Add</i>	147.00	
26 56 23 00-0174	EA		240 LEDs, 264 System Watts, Surface Mount, Rectangular, LED Canopy Fixture (CREE® BetaLED® Edge® CAN-EDG).....	2,570.21	151.63
			<i>For Multi-Level Drive Currents, Add</i>	147.00	

26	Electrical
26 50	Lighting
26 56	Exterior Lighting



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 23 00-0175 Surface Mount, Square, LED Canopy/Soffit Fixtures (CREE® BetaLED® CPY250) <small>(26 56 23 00-0164)</small> Note: UL wet listed. Includes 5,700K color temperature, 120-277 voltage, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.		
26 56 23 00-0176 EA 8,000 Lumens, 82 System Watts, Surface Mount, Square, LED Canopy/Soffit Fixture (CREE® BetaLED® CPY250)	620.49	112.32
26 56 23 00-0177 Recessed Mount, LED Soffit Fixtures <small>(26 56 23 00-0128)</small>		
26 56 23 00-0178 Recessed Mount, Square, LED Soffit Fixtures (CREE® BetaLED® SFT-304) <small>(26 56 23 00-0177)</small> Note: UL wet listed. Includes 5,700K color temperature, 120/277 voltage, 350mA driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.		
26 56 23 00-0179 EA 40 LEDs, 47 System Watts, Recessed Mount, Square, LED Soffit Fixture (CREE® BetaLED® SFT-304)	739.77	101.08
26 56 23 00-0180 EA 60 LEDs, 68 System Watts, Recessed Mount, Square, LED Soffit Fixture (CREE® BetaLED® SFT-304)	812.95	106.70
26 56 23 00-0181 Surface Mount, LED Area Fixtures <small>(26 56 23 00-0128)</small>		
26 56 23 00-0182 Surface Mount, Square, LED Multi-Purpose Area Fixtures (LSI Industries® Crossover® XPG) <small>(26 56 23 00-0181)</small> Note: UL wet listed. Includes 5,300K color temperature, 120/277 voltage, 350mA driver, die-cast extruded aluminum housing assembly and white, black or silver powder coat finish. Excludes sensors.		
26 56 23 00-0183 EA 50 LEDs, 59 System Watts, Surface Mount, Square, LED Multi-Purpose Area Fixture (LSI Industries® Crossover® XPG)	656.25	101.08
26 56 23 00-0184 EA 50 LEDs, 59 System Watts, Pendant Mount, Square, LED Multi-Purpose Area Fixture (LSI Industries® Crossover® XPG)	806.88	101.08
26 56 23 00-0185 EA 68 LEDs, 79 System Watts, Surface Mount, Square, LED Multi-Purpose Area Fixture (LSI Industries® Crossover® XPG)	692.56	112.32
26 56 23 00-0186 EA 68 LEDs, 79 System Watts, Pendant Mount, Square, LED Multi-Purpose Area Fixture (LSI Industries® Crossover® XPG)	836.95	112.32
26 56 23 00-0187 Surface Mount, LED Multi-Purpose Area Fixture (Lumark Crosstour®) <small>(26 56 23 00-0181)</small> Note: Wall, inverted, post, bollard, floodlight trunnion, or floodlight knuckle mount. UL wet listed. Includes 5,000K color temperature, 120/277 voltage, die-cast extruded aluminum housing assembly and white or bronze powder coat finish. Excludes sensors.		
26 56 23 00-0188 EA 13 System Watts, Surface Mount, LED Multi-Purpose Area Fixture (Lumark Crosstour® XTOR1A)	215.41	37.36
For Knuckle Mount Or Trunnion Mount Base, Add	45.00	
26 56 23 00-0189 EA 20 System Watts, Surface Mount, LED Multi-Purpose Area Fixture (Lumark Crosstour® XTOR2A)	247.90	37.36
For Knuckle Mount Or Trunnion Mount Base, Add	45.00	
26 56 23 00-0190 EA 30 System Watts, Surface Mount, LED Multi-Purpose Area Fixture (Lumark Crosstour® XTOR3A)	309.78	37.36
For Knuckle Mount Or Trunnion Mount Base, Add	45.00	
26 56 23 00-0191 Surface Mount, LED Facade Fixtures <small>(26 56 23 00-0128)</small>		
26 56 23 00-0192 Surface Mount, LED Facade Fixtures (lumenpulse™ lumenfacade™) <small>(26 56 23 00-0191)</small>		
26 56 23 00-0193 EA 12" Length, Fixed Surface Mount, LED Façade Fixture (lumenpulse™ lumenfacade™)	407.18	43.63
26 56 23 00-0194 EA 24" Length, Fixed Surface Mount, LED Façade Fixture (lumenpulse™ lumenfacade™)	643.47	39.84
26 56 23 00-0195 EA 36" Length, Fixed Surface Mount, LED Façade Fixture (lumenpulse™ lumenfacade™)	811.92	33.20
26 56 23 00-0196 EA 48" Length, Fixed Surface Mount, LED Façade Fixture (lumenpulse™ lumenfacade™)	980.35	26.56
26 56 23 00-0197 Post Top, LED Area Fixtures <small>(26 56 23 00-0128)</small>		
26 56 23 00-0198 Post Top, LED Area Fixtures (Cooper Lighting Invue® MSA) <small>(26 56 23 00-0197)</small> Note: UL wet listed. Includes 4,000K color temperature, 120-480 voltage, 350mA remote driver, die-cast extruded aluminum housing assembly and white, black, grey, dark platinum, graphite metallic or bronze powder coat finish. Excludes sensors.		
26 56 23 00-0199 EA 1,800 Lumens, 27 System Watts, Post Top Mount, Acorn Style LED Area Fixture (Cooper Lighting Invue® MSA-CO1)	1,183.44	154.44
26 56 23 00-0200 EA 3,400 Lumens, 54 System Watts, Post Top Mount, Acorn Style LED Area Fixture (Cooper Lighting Invue® MSA-CO2)	1,295.02	154.44
26 56 23 00-0201 EA 77 System Watts, Post Top Mount, Acorn Style LED Area Fixture (Cooper Lighting Invue® MSA-CO3)	1,383.23	154.44
26 56 23 00-0202 Post Top, LED Area Fixtures (General Electric EPAS) <small>(26 56 23 00-0197)</small> Note: UL wet listed. Includes 4,100K color temperature, 120-480 voltage, die-cast extruded aluminum housing assembly and black, green or bronze powder coat finish. Includes photocontrol sensor.		
26 56 23 00-0203 EA 2,380 Lumens, 49 System Watts, Post Top Mount, Acorn Style LED Area Fixture (General Electric EPAS 0 D5/D3)	1,401.93	154.44
For >25 To 500, Deduct	-76.51	
For >500, Deduct	-142.10	
26 56 23 00-0204 EA 3,200 Lumens, 45 System Watts, Post Top Mount, Acorn Style LED Area Fixture (General Electric EPAS 0 E5/E3)	1,441.94	154.44
For >25 To 500, Deduct	-79.31	
For >500, Deduct	-260.60	



Electrical	26	26
Lighting	26 50	
Exterior Lighting	26 56	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 23 00-0205	EA		4,630 Lumens, 86 System Watts, Post Top Mount, Acorn Style LED Area Fixture (General Electric EPAS 0 B5/B3) 1,442.02	1,442.02	154.44
			<i>For >25 To 500, Deduct</i>	-79.32	
			<i>For >500, Deduct</i>	-147.31	
26 56 23 00-0206	EA		6,515 Lumens, 80 System Watts, Post Top Mount, Acorn Style LED Area Fixture (General Electric EPAS 0 C5/C3) 1,472.41	1,472.41	154.44
			<i>For >25 To 500, Deduct</i>	-81.45	
			<i>For >500, Deduct</i>	-267.61	
26 56 23 00-0207			Post Top, LED Area Fixtures (General Electric EPTC) <small>(26 56 23 00-0197)</small>		
			Note: UL wet listed. Includes 4,100K color temperature, 120-480 voltage, die-cast extruded aluminum housing assembly and black, gray or dark bronze powder coat finish. Includes photocontrol sensor.		
26 56 23 00-0208	EA		2,380 Lumens, 49 System Watts, Post Top Mount, Contemporary Twin Support Style LED Area Fixture (General Electric EPTC D5/D3) 1,003.88	1,003.88	154.44
			<i>For >25 To 500, Deduct</i>	-48.65	
			<i>For >500, Deduct</i>	-118.15	
26 56 23 00-0209	EA		3,200 Lumens, 45 System Watts, Post Top Mount, Contemporary Twin Support Style LED Area Fixture (General Electric EPTC 0 E5/E3) 1,029.32	1,029.32	154.44
			<i>For >25 To 500, Deduct</i>	-50.43	
			<i>For >500, Deduct</i>	-208.93	
26 56 23 00-0210	EA		4,630 Lumens, 86 System Watts, Post Top Mount, Contemporary Twin Support Style LED Area Fixture (General Electric EPTC B5/B3) 1,047.88	1,047.88	154.44
			<i>For >25 To 500, Deduct</i>	-36.95	
			<i>For >500, Deduct</i>	-133.02	
26 56 23 00-0211	EA		6,150 Lumens, 80 System Watts, Post Top Mount, Contemporary Twin Support Style LED Area Fixture (General Electric EPTC 0 C5/C3) 1,074.93	1,074.93	154.44
			<i>For >25 To 500, Deduct</i>	-53.62	
			<i>For >500, Deduct</i>	-199.17	
26 56 23 00-0212			Post Top, LED Area Fixtures (General Electric EPST) <small>(26 56 23 00-0197)</small>		
			Note: UL wet listed. Includes 4,100K color temperature, 120-480 voltage, die-cast extruded aluminum housing assembly and black or dark bronze powder coat finish. Includes photocontrol sensor.		
26 56 23 00-0213	EA		2,250 Lumens, 49 System Watts, Post Top Mount, Utility Carriage Style LED Area Fixture (General Electric EPST D5/D3) 803.88	803.88	154.44
			<i>For >25 To 500, Deduct</i>	-34.65	
			<i>For >500, Deduct</i>	-54.45	
26 56 23 00-0214	EA		3,135 Lumens, 45 System Watts, Post Top Mount, Utility Carriage Style LED Area Fixture (General Electric EPST 0 E5/E3) 822.00	822.00	154.44
			<i>For >25 To 500, Deduct</i>	-35.92	
			<i>For >500, Deduct</i>	-107.76	
26 56 23 00-0215	EA		4,350 Lumens, 86 System Watts, Post Top Mount, Utility Carriage Style LED Area Fixture (General Electric EPST B5/B3) 847.88	847.88	154.44
			<i>For >25 To 500, Deduct</i>	-70.07	
			<i>For >500, Deduct</i>	-32.34	
26 56 23 00-0216	EA		6,115 Lumens, 80 System Watts, Post Top Mount, Utility Carriage Style LED Area Fixture (General Electric EPST 0 C5/C3) 867.61	867.61	154.44
			<i>For >25 To 500, Deduct</i>	-39.11	
			<i>For >500, Deduct</i>	-117.33	
26 56 23 00-0217			Post Top, LED Area Fixtures (CREE® BetaLED® Edge® ARE-EDR) <small>(26 56 23 00-0197)</small>		
			Note: UL wet listed. Includes 4,000K color temperature, 120/277 voltage, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Includes Type V Medium optic. Excludes sensors.		
26 56 23 00-0218	EA		13,800 Lumens, 130 System Watts, Post Top Mount, LED Area Fixture (CREE® BetaLED® Edge® ARE-EDR) 1,909.08	1,909.08	154.44
26 56 23 00-0219			LED Retrofit For Post Top, Holophane® Utility Granville Acorn Area Fixtures (CREE® BetaLED® BXRAAH53) <small>(26 56 23 00-0197)</small>		
			Note: Includes 4,000K color temperature and 120/277 voltage retrofit assembly. Excludes recycling or disposal of lamps and ballasts. See CSI section 02 84 16 00-0003 for ballast recycling, 26 01 50 51-0142 for disposal of hazardous lamps.		
26 56 23 00-0220	EA		LED Retrofit For Post Top, Holophane® Utility Granville Acorn Area Fixtures (CREE® BetaLED® BXRAAH53) 552.08	552.08	84.24
			<i>For 0 To 10 Volt Dimming, Add</i>	37.15	
26 56 23 00-0221			LED Retrofit For Post Top, Decorative Area Fixtures (CREE® DPT) <small>(26 56 23 00-0197)</small>		
			Note: Includes 3,000K color temperature and 120/277 voltage retrofit assembly. Excludes recycling or disposal of lamps and ballasts. See CSI section 02 84 16 00-0003 for ballast recycling, 26 01 50 51-0142 for disposal of hazardous lamps.		
26 56 23 00-0222	EA		LED Retrofit For Post Top, Decorative Area Fixtures (CREE® DPT) 337.14	337.14	17.98
			<i>For Backlight Control Shield, Add</i>	25.69	
26 56 23 00-0223			Induction Area Fixtures <small>(26 56 23)</small>		
26 56 23 00-0224			Post Top, Induction Area Fixtures <small>(26 56 23 00-0223)</small>		
26 56 23 00-0225			Post Top, Induction Area Fixtures (US Lighting Tech) <small>(26 56 23 00-0224)</small>		
			Note: Includes black powder coat finish heavy duty die cast aluminum body and no-lite lid acrylic lens.		
26 56 23 00-0226	EA		40 Watt Induction, Post Top Mount, Acorn Style Area Fixture (US Lighting Tech Acorn, 571) 708.97	708.97	154.44
26 56 23 00-0227	EA		70 Watt Induction, Post Top Mount, Acorn Style Area Fixture (US Lighting Tech Acorn, 571) 773.25	773.25	154.44



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 23 00-0228 EA 100 Watt Induction, Post Top Mount, Acorn Style Area Fixture (US Lighting Tech Acorn, 571)	773.25	154.44
26 56 23 00-0229 EA 150 Watt Induction, Post Top Mount, Acorn Style Area Fixture (US Lighting Tech Acorn, 571)	773.25	154.44
26 56 23 00-0230 Surface Mount, Induction Parking Structure Fixtures (26 56 23 00-0223)		
26 56 23 00-0231 Surface Mount, Induction Parking Structure Fixtures (Everlast®) (26 56 23 00-0230)		
26 56 23 00-0232 EA 40 Watt Induction, Surface Mount, Round, Parking Structure Fixture (Everlast® Davenport EGFUS-EC)	626.84	140.40
26 56 23 00-0233 EA 55 Watt Induction, Surface Mount, Round, Parking Structure Fixture (Everlast® Davenport EGFUS-EC)	670.14	143.20
26 56 23 00-0234 EA 70 Watt Induction, Surface Mount, Round, Parking Structure Fixture (Everlast® Davenport EGFUS-EC)	680.20	146.02
26 56 23 00-0235 EA 80 Watt Induction, Surface Mount, Round, Parking Structure Fixture (Everlast® Davenport EGFUS-EC)	690.24	148.82
26 56 23 00-0236 EA 100 Watt Induction, Surface Mount, Round, Parking Structure Fixture (Everlast® Davenport EGFUS-EC)	700.29	151.63
26 56 23 00-0237 EA 120 Watt Induction, Surface Mount, Round, Parking Structure Fixture (Everlast® Davenport EGFUS-EC)	714.78	154.44
26 56 23 00-0238 EA 70/28 Watt Bi-Level Induction, Surface Mount, Round, Parking Structure Fixture (Everlast® Davenport EGFUS-EC)	744.48	146.02
26 56 23 00-0239 EA 80/32 Watt Bi-Level Induction, Surface Mount, Round, Parking Structure Fixture (Everlast® Davenport EGFUS-EC)	754.52	148.82
26 56 23 00-0240 EA 100/40 Watt Bi-Level Induction, Surface Mount, Round, Parking Structure Fixture (Everlast® Davenport EGFUS-EC)	764.57	151.63
26 56 23 00-0241 EA 120/48 Watt Bi-Level Induction, Surface Mount, Round, Parking Structure Fixture (Everlast® Davenport EGFUS-EC)	797.90	154.44
26 56 23 00-0242 Pole Mount, Induction Area Fixtures (26 56 23 00-0223)		
26 56 23 00-0243 Pole Mount, Bi-Level Induction Area Fixtures (Everlast® ESB-ED) (26 56 23 00-0242)		
Note: UL wet listed. Includes bi-level ballast, die-cast aluminum housing assembly and bronze powder coat finish. Excludes sensors.		
26 56 23 00-0244 EA 70 Watts, Pole Mount, Bi-Level Induction Area Fixture (Everlast® ESB-ED-70)	706.58	95.47
26 56 23 00-0245 EA 80 Watts, Pole Mount, Bi-Level Induction Area Fixture (Everlast® ESB-ED-80)	728.70	101.08
26 56 23 00-0246 EA 100 Watts, Pole Mount, Bi-Level Induction Area Fixture (Everlast® ESB-ED-100)	750.81	106.70
26 56 23 00-0247 Metal Halide Area Fixtures (26 56 23)		
26 56 23 00-0248 Pole Mount, Metal Halide Area Fixtures (26 56 23 00-0247)		
Note: Includes pulse start ballast.		
26 56 23 00-0249 EA 150 Watt, Metal Halide Area Fixture, Pole Mount	682.04	138.76
26 56 23 00-0250 EA 175 Watt, Metal Halide Area Fixture, Pole Mount	748.58	152.63
26 56 23 00-0251 EA 250 Watt, Metal Halide Area Fixture, Pole Mount	826.28	166.51
26 56 23 00-0252 EA 400 Watt, Metal Halide Area Fixture, Pole Mount	886.66	194.27
26 56 23 00-0253 High Pressure Sodium Area Fixtures (26 56 23)		
26 56 23 00-0254 Pole Mount, High Pressure Sodium Area Fixtures (26 56 23 00-0253)		
26 56 23 00-0255 EA 100 Watt, High Pressure Sodium Area Fixture, Pole Mount	563.47	111.01
26 56 23 00-0256 EA 150 Watt, High Pressure Sodium Area Fixture, Pole Mount	625.96	138.76
26 56 23 00-0257 EA 250 Watt, High Pressure Sodium Area Fixture, Pole Mount	690.29	166.51
26 56 23 00-0258 EA 400 Watt, High Pressure Sodium Area Fixture, Pole Mount	741.01	194.27
26 56 23 00-0259 Area Lighting Accessories (26 56 23)		
26 56 23 00-0260 Outdoor Motion Sensors (26 56 23 00-0259)		
26 56 23 00-0261 EA 70' Range, 180 Degree Detection Zone, 8 Amp Switching Capacity, Polycarbonate Housing, Outdoor Motion Sensor (Lithonia OMS 1000)	85.58	25.97
26 56 23 00-0262 EA 70' Range, 200 Degree Detection Zone, 10 Amp Switching Capacity, Cast Aluminum Housing, Outdoor Motion Sensor (Lithonia OMS 2000)	91.68	25.97
26 56 23 00-0263 EA 30' Range, 360 Degree Detection Zone, Line Voltage, Plastic Housing, IP66 Rated, Outdoor Motion Sensor With Photocell (SensorSwitch SBOR)	318.07	25.97
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		15.59
26 56 26 Landscape Lighting (26 56)		
26 56 26 00-0001 Bollards (26 56 26)		
Note: Excludes concrete base.		
26 56 26 00-0002 Aluminum Architectural Bollards (26 56 26 00-0001)		
26 56 26 00-0003 High Pressure Sodium, Aluminum Architectural Bollards (26 56 26 00-0002)		
26 56 26 00-0004 Square, High Pressure Sodium, Aluminum Architectural Bollards (26 56 26 00-0003)		
26 56 26 00-0005 EA 24" Overall Height, 6-3/4" Square, 35 Watt High Pressure Sodium, Aluminum Architectural Bollard	866.06	88.20
26 56 26 00-0006 EA 30" Overall Height, 6-3/4" Square, 35 Watt High Pressure Sodium, Aluminum Architectural Bollard	876.42	93.39
26 56 26 00-0007 EA 36" Overall Height, 6-3/4" Square, 35 Watt High Pressure Sodium, Aluminum Architectural Bollard	886.80	98.57
26 56 26 00-0008 EA 42" Overall Height, 6-3/4" Square, 35 Watt High Pressure Sodium, Aluminum Architectural Bollard	830.59	103.76
26 56 26 00-0009 EA 24" Overall Height, 6-3/4" Square, 50 Watt High Pressure Sodium, Aluminum Architectural Bollard	866.06	88.20
26 56 26 00-0010 EA 30" Overall Height, 6-3/4" Square, 50 Watt High Pressure Sodium, Aluminum Architectural Bollard	876.42	93.39
26 56 26 00-0011 EA 36" Overall Height, 6-3/4" Square, 50 Watt High Pressure Sodium, Aluminum Architectural Bollard	886.80	98.57
26 56 26 00-0012 EA 42" Overall Height, 6-3/4" Square, 50 Watt High Pressure Sodium, Aluminum Architectural Bollard	830.59	103.76
26 56 26 00-0013 EA 24" Overall Height, 6-3/4" Square, 70 Watt High Pressure Sodium, Aluminum Architectural Bollard	866.06	88.20
26 56 26 00-0014 EA 30" Overall Height, 6-3/4" Square, 70 Watt High Pressure Sodium, Aluminum Architectural Bollard	876.42	93.39



Electrical	26	26
Lighting	26 50	
Exterior Lighting	26 56	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 26 00-0015 EA 36" Overall Height, 6-3/4" Square, 70 Watt High Pressure Sodium, Aluminum Architectural Bollard.....	886.80	98.57
26 56 26 00-0016 EA 42" Overall Height, 6-3/4" Square, 70 Watt High Pressure Sodium, Aluminum Architectural Bollard.....	830.59	103.76
26 56 26 00-0017 EA 24" Overall Height, 6-3/4" Square, 100 Watt High Pressure Sodium, Aluminum Architectural Bollard.....	866.06	88.20
26 56 26 00-0018 EA 30" Overall Height, 6-3/4" Square, 100 Watt High Pressure Sodium, Aluminum Architectural Bollard.....	876.42	93.39
26 56 26 00-0019 EA 36" Overall Height, 6-3/4" Square, 100 Watt High Pressure Sodium, Aluminum Architectural Bollard.....	886.80	98.57
26 56 26 00-0020 EA 42" Overall Height, 6-3/4" Square, 100 Watt High Pressure Sodium, Aluminum Architectural Bollard.....	830.59	103.76
26 56 26 00-0021 Round, High Pressure Sodium, Aluminum Architectural Bollards (26 56 26 00-0003)		
26 56 26 00-0022 EA 24" Overall Height, 7" Diameter, 35 Watt High Pressure Sodium, Aluminum Architectural Bollard.....	835.48	88.20
26 56 26 00-0023 EA 30" Overall Height, 7" Diameter, 35 Watt High Pressure Sodium, Aluminum Architectural Bollard.....	845.84	93.39
26 56 26 00-0024 EA 36" Overall Height, 7" Diameter, 35 Watt High Pressure Sodium, Aluminum Architectural Bollard.....	856.22	98.57
26 56 26 00-0025 EA 42" Overall Height, 7" Diameter, 35 Watt High Pressure Sodium, Aluminum Architectural Bollard.....	799.73	103.76
26 56 26 00-0026 EA 24" Overall Height, 7" Diameter, 50 Watt High Pressure Sodium, Aluminum Architectural Bollard.....	835.48	88.20
26 56 26 00-0027 EA 30" Overall Height, 7" Diameter, 50 Watt High Pressure Sodium, Aluminum Architectural Bollard.....	845.84	93.39
26 56 26 00-0028 EA 36" Overall Height, 7" Diameter, 50 Watt High Pressure Sodium, Aluminum Architectural Bollard.....	856.22	98.57
26 56 26 00-0029 EA 42" Overall Height, 7" Diameter, 50 Watt High Pressure Sodium, Aluminum Architectural Bollard.....	799.73	103.76
26 56 26 00-0030 EA 24" Overall Height, 7" Diameter, 70 Watt High Pressure Sodium, Aluminum Architectural Bollard.....	835.48	88.20
26 56 26 00-0031 EA 30" Overall Height, 7" Diameter, 70 Watt High Pressure Sodium, Aluminum Architectural Bollard.....	845.84	93.39
26 56 26 00-0032 EA 36" Overall Height, 7" Diameter, 70 Watt High Pressure Sodium, Aluminum Architectural Bollard.....	856.22	98.57
26 56 26 00-0033 EA 42" Overall Height, 7" Diameter, 70 Watt High Pressure Sodium, Aluminum Architectural Bollard.....	799.73	103.76
26 56 26 00-0034 EA 24" Overall Height, 7" Diameter, 100 Watt High Pressure Sodium, Aluminum Architectural Bollard.....	835.48	88.20
26 56 26 00-0035 EA 30" Overall Height, 7" Diameter, 100 Watt High Pressure Sodium, Aluminum Architectural Bollard.....	845.84	93.39
26 56 26 00-0036 EA 36" Overall Height, 7" Diameter, 100 Watt High Pressure Sodium, Aluminum Architectural Bollard.....	856.22	98.57
26 56 26 00-0037 EA 42" Overall Height, 7" Diameter, 100 Watt High Pressure Sodium, Aluminum Architectural Bollard.....	799.73	103.76
26 56 26 00-0038 Metal Halide, Aluminum Architectural Bollards (26 56 26 00-0002)		
26 56 26 00-0039 Square, Metal Halide, Aluminum Architectural Bollards (26 56 26 00-0038)		
26 56 26 00-0040 EA 24" Overall Height, 6-3/4" Square, 50 Watt Metal Halide, Aluminum Architectural Bollard.....	905.77	88.20
26 56 26 00-0041 EA 30" Overall Height, 6-3/4" Square, 50 Watt Metal Halide, Aluminum Architectural Bollard.....	916.13	93.39
26 56 26 00-0042 EA 36" Overall Height, 6-3/4" Square, 50 Watt Metal Halide, Aluminum Architectural Bollard.....	926.51	98.57
26 56 26 00-0043 EA 42" Overall Height, 6-3/4" Square, 50 Watt Metal Halide, Aluminum Architectural Bollard.....	870.02	103.76
26 56 26 00-0044 EA 24" Overall Height, 6-3/4" Square, 70 Watt Metal Halide, Aluminum Architectural Bollard.....	905.77	88.20
26 56 26 00-0045 EA 30" Overall Height, 6-3/4" Square, 70 Watt Metal Halide, Aluminum Architectural Bollard.....	916.13	93.39
26 56 26 00-0046 EA 36" Overall Height, 6-3/4" Square, 70 Watt Metal Halide, Aluminum Architectural Bollard.....	926.51	98.57
26 56 26 00-0047 EA 42" Overall Height, 6-3/4" Square, 70 Watt Metal Halide, Aluminum Architectural Bollard.....	870.02	103.76
26 56 26 00-0048 EA 24" Overall Height, 6-3/4" Square, 100 Watt Metal Halide, Aluminum Architectural Bollard.....	905.77	88.20
26 56 26 00-0049 EA 30" Overall Height, 6-3/4" Square, 100 Watt Metal Halide, Aluminum Architectural Bollard.....	916.13	93.39
26 56 26 00-0050 EA 36" Overall Height, 6-3/4" Square, 100 Watt Metal Halide, Aluminum Architectural Bollard.....	926.51	98.57
26 56 26 00-0051 EA 42" Overall Height, 6-3/4" Square, 100 Watt Metal Halide, Aluminum Architectural Bollard.....	903.24	103.76
26 56 26 00-0052 Round, Metal Halide, Aluminum Architectural Bollards (26 56 26 00-0038)		
26 56 26 00-0053 EA 24" Overall Height, 7" Diameter, 50 Watt Metal Halide, Aluminum Architectural Bollard.....	874.91	88.20
26 56 26 00-0054 EA 30" Overall Height, 7" Diameter, 50 Watt Metal Halide, Aluminum Architectural Bollard.....	885.27	93.39
26 56 26 00-0055 EA 36" Overall Height, 7" Diameter, 50 Watt Metal Halide, Aluminum Architectural Bollard.....	895.65	98.57
26 56 26 00-0056 EA 42" Overall Height, 7" Diameter, 50 Watt Metal Halide, Aluminum Architectural Bollard.....	839.15	103.76
26 56 26 00-0057 EA 24" Overall Height, 7" Diameter, 70 Watt Metal Halide, Aluminum Architectural Bollard.....	874.91	88.20
26 56 26 00-0058 EA 30" Overall Height, 7" Diameter, 70 Watt Metal Halide, Aluminum Architectural Bollard.....	885.27	93.39
26 56 26 00-0059 EA 36" Overall Height, 7" Diameter, 70 Watt Metal Halide, Aluminum Architectural Bollard.....	895.65	98.57
26 56 26 00-0060 EA 42" Overall Height, 7" Diameter, 70 Watt Metal Halide, Aluminum Architectural Bollard.....	839.15	103.76
26 56 26 00-0061 EA 24" Overall Height, 7" Diameter, 100 Watt Metal Halide, Aluminum Architectural Bollard.....	874.91	88.20
26 56 26 00-0062 EA 30" Overall Height, 7" Diameter, 100 Watt Metal Halide, Aluminum Architectural Bollard.....	885.27	93.39
26 56 26 00-0063 EA 36" Overall Height, 7" Diameter, 100 Watt Metal Halide, Aluminum Architectural Bollard.....	895.65	98.57
26 56 26 00-0064 EA 42" Overall Height, 7" Diameter, 100 Watt Metal Halide, Aluminum Architectural Bollard.....	839.15	103.76
26 56 26 00-0065 Compact Fluorescent, Aluminum Architectural Bollards (26 56 26 00-0002)		
26 56 26 00-0066 Square, Compact Fluorescent, Aluminum Architectural Bollards (26 56 26 00-0065)		
26 56 26 00-0067 EA 24" Overall Height, 6-3/4" Square, 26 Watt Compact Fluorescent, Aluminum Architectural Bollard.....	862.58	88.20
26 56 26 00-0068 EA 30" Overall Height, 6-3/4" Square, 26 Watt Compact Fluorescent, Aluminum Architectural Bollard.....	872.94	93.39
26 56 26 00-0069 EA 36" Overall Height, 6-3/4" Square, 26 Watt Compact Fluorescent, Aluminum Architectural Bollard.....	883.32	98.57
26 56 26 00-0070 EA 42" Overall Height, 6-3/4" Square, 26 Watt Compact Fluorescent, Aluminum Architectural Bollard.....	827.73	103.76
26 56 26 00-0071 EA 24" Overall Height, 6-3/4" Square, 32 Watt Compact Fluorescent, Aluminum Architectural Bollard.....	862.58	88.20
26 56 26 00-0072 EA 30" Overall Height, 6-3/4" Square, 32 Watt Compact Fluorescent, Aluminum Architectural Bollard.....	872.94	93.39
26 56 26 00-0073 EA 36" Overall Height, 6-3/4" Square, 32 Watt Compact Fluorescent, Aluminum Architectural Bollard.....	883.32	98.57
26 56 26 00-0074 EA 42" Overall Height, 6-3/4" Square, 32 Watt Compact Fluorescent, Aluminum Architectural Bollard.....	827.73	103.76
26 56 26 00-0075 EA 24" Overall Height, 6-3/4" Square, 42 Watt Compact Fluorescent, Aluminum Architectural Bollard.....	862.58	88.20
26 56 26 00-0076 EA 30" Overall Height, 6-3/4" Square, 42 Watt Compact Fluorescent, Aluminum Architectural Bollard.....	872.94	93.39
26 56 26 00-0077 EA 36" Overall Height, 6-3/4" Square, 42 Watt Compact Fluorescent, Aluminum Architectural Bollard.....	883.32	98.57
26 56 26 00-0078 EA 42" Overall Height, 6-3/4" Square, 42 Watt Compact Fluorescent, Aluminum Architectural Bollard.....	827.73	103.76
26 56 26 00-0079 Round, Compact Fluorescent, Aluminum Architectural Bollards (26 56 26 00-0065)		
26 56 26 00-0080 EA 24" Overall Height, 7" Diameter, 26 Watt Compact Fluorescent, Aluminum Architectural Bollard.....	832.39	88.20
26 56 26 00-0081 EA 30" Overall Height, 7" Diameter, 26 Watt Compact Fluorescent, Aluminum Architectural Bollard.....	842.75	93.39
26 56 26 00-0082 EA 36" Overall Height, 7" Diameter, 26 Watt Compact Fluorescent, Aluminum Architectural Bollard.....	853.13	98.57
26 56 26 00-0083 EA 42" Overall Height, 7" Diameter, 26 Watt Compact Fluorescent, Aluminum Architectural Bollard.....	798.12	103.76



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 26 00-0084 EA 24" Overall Height, 7" Diameter, 32 Watt Compact Fluorescent, Aluminum Architectural Bollard.....	832.39	88.20
26 56 26 00-0085 EA 30" Overall Height, 7" Diameter, 32 Watt Compact Fluorescent, Aluminum Architectural Bollard.....	842.75	93.39
26 56 26 00-0086 EA 36" Overall Height, 7" Diameter, 32 Watt Compact Fluorescent, Aluminum Architectural Bollard.....	853.13	98.57
26 56 26 00-0087 EA 42" Overall Height, 7" Diameter, 32 Watt Compact Fluorescent, Aluminum Architectural Bollard.....	798.12	103.76
26 56 26 00-0088 EA 24" Overall Height, 7" Diameter, 42 Watt Compact Fluorescent, Aluminum Architectural Bollard.....	832.39	88.20
26 56 26 00-0089 EA 30" Overall Height, 7" Diameter, 42 Watt Compact Fluorescent, Aluminum Architectural Bollard.....	842.75	93.39
26 56 26 00-0090 EA 36" Overall Height, 7" Diameter, 42 Watt Compact Fluorescent, Aluminum Architectural Bollard.....	853.13	98.57
26 56 26 00-0091 EA 42" Overall Height, 7" Diameter, 42 Watt Compact Fluorescent, Aluminum Architectural Bollard.....	798.12	103.76
26 56 26 00-0092 LED, Aluminum Architectural Bollards (26 56 26 00-0092)		
26 56 26 00-0093 Square, LED, Aluminum Architectural Bollards (26 56 26 00-0093)		
26 56 26 00-0094 EA 24" Overall Height, 6-3/4" Square, 12 LEDs, LED, Aluminum Architectural Bollard.....	1,019.32	88.20
26 56 26 00-0095 EA 30" Overall Height, 6-3/4" Square, 12 LEDs, LED, Aluminum Architectural Bollard.....	1,029.68	93.39
26 56 26 00-0096 EA 36" Overall Height, 6-3/4" Square, 12 LEDs, LED, Aluminum Architectural Bollard.....	1,040.06	98.57
26 56 26 00-0097 EA 42" Overall Height, 6-3/4" Square, 12 LEDs, LED, Aluminum Architectural Bollard.....	985.31	103.76
26 56 26 00-0098 EA 24" Overall Height, 6-3/4" Square, 24 LEDs, LED, Aluminum Architectural Bollard.....	1,229.47	88.20
26 56 26 00-0099 EA 30" Overall Height, 6-3/4" Square, 24 LEDs, LED, Aluminum Architectural Bollard.....	1,239.83	93.39
26 56 26 00-0100 EA 36" Overall Height, 6-3/4" Square, 24 LEDs, LED, Aluminum Architectural Bollard.....	1,250.21	98.57
26 56 26 00-0101 EA 42" Overall Height, 6-3/4" Square, 24 LEDs, LED, Aluminum Architectural Bollard.....	1,194.41	103.76
26 56 26 00-0102 Round, LED, Aluminum Architectural Bollards (26 56 26 00-0102)		
26 56 26 00-0103 EA 24" Overall Height, 7" Diameter, 12 LEDs, LED, Aluminum Architectural Bollard.....	987.97	88.20
26 56 26 00-0104 EA 30" Overall Height, 7" Diameter, 12 LEDs, LED, Aluminum Architectural Bollard.....	998.33	93.39
26 56 26 00-0105 EA 36" Overall Height, 7" Diameter, 12 LEDs, LED, Aluminum Architectural Bollard.....	1,008.71	98.57
26 56 26 00-0106 EA 42" Overall Height, 7" Diameter, 12 LEDs, LED, Aluminum Architectural Bollard.....	952.91	103.76
26 56 26 00-0107 EA 24" Overall Height, 7" Diameter, 24 LEDs, LED, Aluminum Architectural Bollard.....	1,198.12	88.20
26 56 26 00-0108 EA 30" Overall Height, 7" Diameter, 24 LEDs, LED, Aluminum Architectural Bollard.....	1,208.48	93.39
26 56 26 00-0109 EA 36" Overall Height, 7" Diameter, 24 LEDs, LED, Aluminum Architectural Bollard.....	1,218.86	98.57
26 56 26 00-0110 EA 42" Overall Height, 7" Diameter, 24 LEDs, LED, Aluminum Architectural Bollard.....	1,163.44	103.76
26 56 26 00-0111 Reinforced Concrete Bollards (26 56 26 00-0111)		
26 56 26 00-0112 EA 48" Overall Height, 12" Diameter, LED Light, Reinforced Concrete Bollard.....	991.95	259.39
26 56 26 00-0113 EA 58" Overall Height, 18" Diameter, High Intensity Discharge (HID) Light, Reinforced Concrete Bollard.....	1,646.47	345.83
26 56 26 00-0114 Low Voltage (26 56 26)		
26 56 26 00-0115 EA Low Voltage Recessed Uplight.....	724.39	188.84
26 56 26 00-0116 EA Low Voltage Walkway.....	520.11	103.76
26 56 26 00-0117 EA Low Voltage Malibu - 5 Light Set.....	504.39	138.52
26 56 26 00-0118 EA Low Voltage Mushroom 24" Pier.....	440.54	103.76
26 56 26 00-0119 Recessed, Adjustable (26 56 26)		
26 56 26 00-0120 EA 150 Watt Incandescent Recessed, Adjustable.....	860.57	166.02
26 56 26 00-0121 EA 300 Watt Incandescent Recessed, Adjustable.....	945.82	166.02
26 56 26 00-0122 Recessed, Uplight (26 56 26)		
26 56 26 00-0123 EA 50 Watt Incandescent Recessed Uplight.....	763.95	166.02
26 56 26 00-0124 EA 150 Watt Incandescent Recessed Uplight.....	781.00	166.02
26 56 26 00-0125 EA 300 Watt Incandescent Recessed Uplight.....	832.15	166.02
26 56 26 00-0126 EA 500 Watt Quartz Recessed Uplight.....	826.46	166.02
26 56 26 00-0127 EA 5 Watt LED Recessed Uplight.....	715.53	166.02
26 56 26 00-0128 EA 15 Watt LED Recessed Uplight.....	774.07	166.02
26 56 26 00-0129 Recessed Wall Light (26 56 26)		
26 56 26 00-0130 EA 100 Watt Incandescent Recessed Wall Light.....	389.39	103.76
26 56 26 00-0131 EA 100 Watt Fluorescent Recessed Wall Light.....	372.34	103.76
26 56 26 00-0132 EA 100 Watt High Intensity Discharge (HID) Recessed Wall Light.....	612.38	138.52
26 56 26 00-0133 Step Lights (26 56 26)		
26 56 26 00-0134 EA Incandescent Step Light.....	319.41	83.01
26 56 26 00-0135 EA Fluorescent Step Light.....	376.31	83.01
26 56 26 00-0136 EA 5 Watt LED Step Light.....	386.50	83.01
26 56 26 00-0137 EA 15 Watt LED Step Light.....	448.93	83.01
26 56 26 00-0138 Tree Lights, Surface Adjustable (26 56 26)		
26 56 26 00-0139 EA 50 Watt Incandescent Tree Lights.....	686.26	138.52
26 56 26 00-0140 EA 100 Watt Incandescent Tree Lights.....	703.31	138.52
26 56 26 00-0141 EA 150 Watt Incandescent Tree Lights.....	869.71	207.52



Electrical	26	26
Lighting	26 50	
Exterior Lighting	26 56	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 26 00-0142 Underwater Lights <small>(26 56 26)</small>		
26 56 26 00-0143 EA 150 Watt, 120 Volt Underwater Lights	575.64	69.00
26 56 26 00-0144 EA 300 Watt, 120 Volt Underwater Lights	643.84	69.00
26 56 26 00-0145 EA 1,000 Watt, 120 Volt Underwater Lights	1,599.98	103.76
26 56 26 00-0146 EA 50 Watt, 12 Volt Underwater Lights	604.06	69.00
26 56 26 00-0147 EA 300 Watt, 12 Volt Underwater Lights	683.63	69.00
26 56 26 00-0148 EA Under Water Fountain Fixture, Set Of 6, 300 Watt, Incandescent	1,760.21	155.64
26 56 33 Walkway Lighting <small>(26 56)</small>		
26 56 33 00-0001 Incandescent Walkway <small>(26 56 33)</small>		
26 56 33 00-0002 EA Post Top 300 Watt Incandescent Walkway Fixture	398.13	96.49
26 56 33 00-0003 Metal Halide Walkway <small>(26 56 33)</small>		
26 56 33 00-0004 EA Post Top 100 Watt Metal Halide Walkway Fixture	611.18	151.69
26 56 33 00-0005 EA Post Top 150-175 Watt Metal Halide Walkway Fixture	648.99	157.19
26 56 33 00-0006 EA Post Top 250 Watt Metal Halide Walkway Fixture	703.11	163.21
26 56 33 00-0007 EA Post Top 400 Watt Metal Halide Walkway Fixture	752.06	176.40
26 56 33 00-0008 EA Round Luminaries 100 Watt Metal Halide Walkway Fixture	667.22	163.21
26 56 33 00-0009 EA Round Luminaries 150-175 Watt Metal Halide Walkway Fixture	680.22	151.69
26 56 33 00-0010 EA Round Luminaries 250 Watt Metal Halide Walkway Fixture	692.07	157.19
26 56 33 00-0011 EA Spherical 100 Watt Metal Halide Walkway Fixture	557.11	108.11
26 56 33 00-0012 EA Spherical 150-175 Watt Metal Halide Walkway Fixture	593.00	108.11
26 56 33 00-0013 EA Spherical 250 Watt Metal Halide Walkway Fixture	628.89	108.11
26 56 33 00-0014 EA Spherical 400 Watt Metal Halide Walkway Fixture	710.13	121.71
26 56 33 00-0015 EA Low Walkway 100 Watt Metal Halide Walkway Fixture	535.25	97.11
26 56 33 00-0016 High Pressure Sodium Walkway <small>(26 56 33)</small>		
26 56 33 00-0017 EA Post Top 100 Watt High Pressure Sodium Walkway Fixture	543.85	151.69
26 56 33 00-0018 EA Post Top 150-175 Watt High Pressure Sodium Walkway Fixture	575.80	157.19
26 56 33 00-0019 EA Post Top 250 Watt High Pressure Sodium Walkway Fixture	620.68	163.21
26 56 33 00-0020 EA Post Top 400 Watt High Pressure Sodium Walkway Fixture	664.75	176.40
26 56 33 00-0021 EA Round Luminaries 100 Watt High Pressure Sodium Walkway Fixture	592.64	163.21
26 56 33 00-0022 EA Round Luminaries 150-175 Watt High Pressure Sodium Walkway Fixture	597.79	151.69
26 56 33 00-0023 EA Round Luminaries 250 Watt High Pressure Sodium Walkway Fixture	609.46	157.19
26 56 33 00-0024 EA Spherical 100 Watt High Pressure Sodium Walkway Fixture	482.53	108.11
26 56 33 00-0025 EA Spherical 175 150-Watt High Pressure Sodium Walkway Fixture	510.57	108.11
26 56 33 00-0026 EA Spherical 250 Watt High Pressure Sodium Walkway Fixture	538.61	108.11
26 56 33 00-0027 EA Spherical 400 Watt High Pressure Sodium Walkway Fixture	608.07	121.71
26 56 33 00-0028 EA Low Walkway 100 Watt High Pressure Sodium Walkway Fixture	460.67	97.11
26 56 33 00-0029 Walkway, Adjustable <small>(26 56 33)</small>		
26 56 33 00-0030 EA 2' Fluorescent Adjustable Walkway Fixture	578.07	138.52
26 56 33 00-0031 EA 4' Fluorescent Adjustable Walkway Fixture	595.77	138.52
26 56 33 00-0032 EA 8' Fluorescent Adjustable Walkway Fixture	1,040.67	207.52
26 56 33 00-0033 EA 50 Watt Incandescent Adjustable Walkway Fixture	490.83	103.76
26 56 33 00-0034 EA 150 Watt Incandescent Adjustable Walkway Fixture	514.44	103.76
26 56 33 00-0035 LED Walkway <small>(26 56 33)</small>		
26 56 33 00-0036 LED Pathway Fixtures (CREE® BetaLED® Edge® PWY-EDG) <small>(26 56 33 00-0035)</small>		
Note: UL wet listed. Includes 5,700K color temperature, 120/277 voltage, 350mA driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.		
26 56 33 00-0037 EA 13" Height, 1,248 Lumens, 22 System Watts, LED Pathway Fixture (CREE® BetaLED® Edge® PWY-EDG)	596.90	79.68
<i>For Multi-Level Drive Currents, Add</i>		
	147.00	
26 56 33 00-0038 EA 18" Height, 1,248 Lumens, 22 System Watts, LED Pathway Fixture (CREE® BetaLED® Edge® PWY-EDG)	614.75	79.68
<i>For Multi-Level Drive Currents, Add</i>		
	147.00	
26 56 33 00-0039 EA 36" Height, 1,248 Lumens, 22 System Watts, LED Pathway Fixture (CREE® BetaLED® Edge® PWY-EDG)	646.25	79.68
<i>For Multi-Level Drive Currents, Add</i>		
	147.00	
26 56 33 00-0040 EA 42" Height, 1,248 Lumens, 22 System Watts, LED Pathway Fixture (CREE® BetaLED® Edge® PWY-EDG)	670.40	79.68
<i>For Multi-Level Drive Currents, Add</i>		
	147.00	
26 56 33 00-0041 EA 96" Height, 1,248 Lumens, 22 System Watts, LED Pathway Fixture (CREE® BetaLED® Edge® PWY-EDG)	776.59	102.45
<i>For Multi-Level Drive Currents, Add</i>		
	147.00	
26 56 36 Flood Lighting <small>(26 56)</small>		
26 56 36 00-0001 General Electric Powerflood® Flood Lights <small>(26 56 36)</small>		
26 56 36 00-0002 MPF (Small Size) Series GE Flood Lights <small>(26 56 36 00-0001)</small>		
Note: For perimeters, entrances, building facades and sign lighting. Includes die-cast aluminum housing, corrosion resistant polyester powder finish and thermal shock resistant lens. Anodized aluminum reflector. 1/2" threaded mounting knuckle.		
26 56 36 00-0003 High Pressure Sodium MPF Series GE Flood Lights <small>(26 56 36 00-0002)</small>		
26 56 36 00-0004 EA 70 Watt High Pressure Sodium MPF Series GE Flood Light	253.17	83.25
26 56 36 00-0005 EA 100 Watt High Pressure Sodium MPF Series GE Flood Light	254.90	83.25

26	Electrical
26 50	Lighting
26 56	Exterior Lighting



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 36 00-0006 EA 150 Watt High Pressure Sodium MPF Series GE Flood Light	257.79	83.25
26 56 36 00-0007 Metal Halide MPF Series GE Flood Lights (26 56 36 00-0002)		
26 56 36 00-0008 EA 70 Watt Metal Halide MPF Series GE Flood Light	321.91	83.25
26 56 36 00-0009 P-154 (Small Size) Series GE Flood Lights (26 56 36 00-0001)		
Note: For parking lots, building security, building facades, recreation areas and sign lighting. Includes die-cast aluminum housing, corrosion resistant polyester powder finish and thermal shock resistant lens. Anodized aluminum reflector. Yoke or slip fitter mounting.		
26 56 36 00-0010 High Pressure Sodium P-154 Series GE Flood Lights (26 56 36 00-0009)		
26 56 36 00-0011 EA 70 Watt High Pressure Sodium P-154 Series GE Flood Light	471.00	111.01
26 56 36 00-0012 EA 100 Watt High Pressure Sodium P-154 Series GE Flood Light	473.31	111.01
26 56 36 00-0013 EA 150 Watt High Pressure Sodium P-154 Series GE Flood Light	477.35	111.01
26 56 36 00-0014 EA 250 Watt High Pressure Sodium P-154 Series GE Flood Light	522.99	111.01
26 56 36 00-0015 EA 400 Watt High Pressure Sodium P-154 Series GE Flood Light	536.28	111.01
26 56 36 00-0016 Metal Halide P-154 Series GE Flood Lights (26 56 36 00-0009)		
26 56 36 00-0017 EA 175 Watt Metal Halide P-154 Series GE Flood Light	466.95	111.01
26 56 36 00-0018 EA 250 Watt Metal Halide P-154 Series GE Flood Light	487.17	111.01
26 56 36 00-0019 EA 400 Watt Metal Halide P-154 Series GE Flood Light	497.57	111.01
26 56 36 00-0020 PF-154 (Medium Size) Series GE Flood Lights (26 56 36 00-0001)		
Note: For parking lots, building security and building facades. Includes die-cast aluminum housing, corrosion resistant polyester powder finish and thermal shock resistant lens. Anodized aluminum reflector. Yoke or slip fitter mounting.		
26 56 36 00-0021 High Pressure Sodium PF-154 Series GE Flood Lights (26 56 36 00-0020)		
26 56 36 00-0022 EA 70 Watt High Pressure Sodium PF-154 Series GE Flood Light	488.94	124.89
26 56 36 00-0023 EA 100 Watt High Pressure Sodium PF-154 Series GE Flood Light	491.83	124.89
26 56 36 00-0024 EA 150 Watt High Pressure Sodium PF-154 Series GE Flood Light	496.45	124.89
26 56 36 00-0025 EA 250 Watt High Pressure Sodium PF-154 Series GE Flood Light	541.51	124.89
26 56 36 00-0026 EA 400 Watt High Pressure Sodium PF-154 Series GE Flood Light	554.22	124.89
26 56 36 00-0027 Metal Halide PF-154 GE Flood Lights (26 56 36 00-0020)		
26 56 36 00-0028 EA 175 Watt Metal Halide PF-154 Series GE Flood Light	485.47	124.89
26 56 36 00-0029 EA 250 Watt Metal Halide PF-154 Series GE Flood Light	505.11	124.89
26 56 36 00-0030 EA 400 Watt Metal Halide PF-154 Series GE Flood Light	515.51	124.89
26 56 36 00-0031 PF-400 (Medium Size) Series GE Flood Lights (26 56 36 00-0001)		
Note: For parking lots, building security, building facades, shipping yards and rail yards. Includes die-cast aluminum housing, corrosion resistant polyester powder finish and thermal shock resistant lens. Formed aluminum reflector. Yoke or slip fitter mounting.		
26 56 36 00-0032 High Pressure Sodium PF-400 Series GE Flood Lights (26 56 36 00-0031)		
26 56 36 00-0033 EA 150 Watt High Pressure Sodium PF-400 Series GE Flood Light	625.27	124.89
26 56 36 00-0034 EA 200 Watt High Pressure Sodium PF-400 Series GE Flood Light	665.71	124.89
26 56 36 00-0035 EA 250 Watt High Pressure Sodium PF-400 Series GE Flood Light	662.83	124.89
26 56 36 00-0036 EA 400 Watt High Pressure Sodium PF-400 Series GE Flood Light	677.27	124.89
26 56 36 00-0037 Metal Halide PF-400 GE Flood Lights (26 56 36 00-0031)		
26 56 36 00-0038 EA 175 Watt Metal Halide PF-400 Series GE Flood Light	640.30	124.89
26 56 36 00-0039 EA 250 Watt Metal Halide PF-400 Series GE Flood Light	652.43	124.89
26 56 36 00-0040 EA 400 Watt Metal Halide PF-400 Series GE Flood Light	665.14	124.89
26 56 36 00-0041 PF-1000 (Large Size) Series GE Flood Lights (26 56 36 00-0001)		
Note: For parking lots, industrial yards and sports stadiums. Includes die-cast aluminum housing, corrosion resistant polyester powder finish and thermal shock resistant lens. Formed aluminum reflector. Yoke or slip fitter mounting.		
26 56 36 00-0042 High Pressure Sodium PF-1000 Series GE Flood Lights (26 56 36 00-0041)		
26 56 36 00-0043 EA 750 Watt High Pressure Sodium PF-1000 Series GE Flood Light	825.76	138.76
26 56 36 00-0044 EA 1,000 Watt High Pressure Sodium PF-1000 Series GE Flood Light	825.76	138.76
26 56 36 00-0045 Metal Halide PF-1000 Series GE Flood Lights (26 56 36 00-0041)		
26 56 36 00-0046 EA 1,000 Watt Metal Halide PF-1000 Series GE Flood Light	792.25	138.76
26 56 36 00-0047 HLU/VLU (Medium Size) FRP Series GE Flood Lights (26 56 36 00-0001)		
Note: For parking lots, industrial yards, construction sites, recreation areas and facades. Includes corrosion resistant reinforced polyester housing and thermal shock resistant lens. Hydroformed aluminum reflector. Yoke or slip fitter mounting.		



Electrical	26	26
Lighting	26 50	
Exterior Lighting	26 56	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 36 00-0048 High Pressure Sodium HLU/VLU FRP Series GE Flood Lights <small>(26 56 36 00-0047)</small>		
26 56 36 00-0049 EA 250 Watt High Pressure Sodium HLU/VLU FRP Series GE Flood Light	680.73	124.89
26 56 36 00-0050 EA 400 Watt High Pressure Sodium HLU/VLU FRP Series GE Flood Light	691.71	124.89
26 56 36 00-0051 Metal Halide HLU/VLU Series GE Flood Lights <small>(26 56 36 00-0047)</small>		
26 56 36 00-0052 EA 400 Watt Metal Halide HLU/VLU FRP Series GE Flood Light	687.09	124.89
26 56 36 00-0053 Accessories For Powerflood GE Flood Lights <small>(26 56 36 00-0001)</small>		
26 56 36 00-0054 EA Wireguard For Powerflood GE Flood Light	121.95	27.75
26 56 36 00-0055 EA Polycarbonate Vandal Shield For Powerflood GE Flood Light.....	79.20	27.75
26 56 36 00-0056 EA Top Visor For Powerflood Flood Light	105.77	27.75
26 56 36 00-0057 EA Top And Two Side Visors For Powerflood GE Flood Light	85.55	27.75
26 56 36 00-0058 EA Pipe Wall Mounting Bracket For Powerflood GE Flood Light.....	225.44	83.25
26 56 36 00-0059 EA Multiple Mounting Channel For Powerflood GE Flood Light	91.91	27.75
26 56 36 00-0060 EA Wall Or Flat Surface Bracket For Powerflood GE Flood Light	182.11	83.25
26 56 36 00-0061 EA Steel Angle Bracket For Powerflood GE Flood Light	187.31	83.25
26 56 36 00-0062 EA Cross Arm Adaptor For Powerflood GE Flood Light	74.00	27.75
26 56 36 00-0063 EA 120/240 Volt, 277 Volt, NEMA Twistlock Photocontrol For Powerflood GE Flood Light	72.26	27.75
26 56 36 00-0064 Lithonia Contour Series Flood Lights <small>(26 56 36)</small>		
26 56 36 00-0065 TFM (Small Size) Series Lithonia Flood Lights <small>(26 56 36 00-0064)</small>		
Note: For signs, flags, facades and landscaping. Includes die-cast aluminum housing, corrosion resistant polyester powder finish and thermal shock resistant lens. Faceted parabolic optics. 1/2" threaded mounting knuckle.		
26 56 36 00-0066 High Pressure Sodium TFM Series Lithonia Flood Lights <small>(26 56 36 00-0065)</small>		
26 56 36 00-0067 EA 70 Watt High Pressure Sodium TFM Series Lithonia Flood Light.....	440.24	111.01
26 56 36 00-0068 EA 100 Watt High Pressure Sodium TFM Series Lithonia Flood Light.....	473.60	111.01
26 56 36 00-0069 EA 150 Watt High Pressure Sodium TFM Series Lithonia Flood Light.....	506.26	111.01
26 56 36 00-0070 Metal Halide TFM Series Lithonia Flood Lights <small>(26 56 36 00-0065)</small>		
26 56 36 00-0071 EA 50 Watt Metal Halide TFM Series Lithonia Flood Light.....	547.02	111.01
26 56 36 00-0072 EA 70 Watt Metal Halide TFM Series Lithonia Flood Light.....	538.99	111.01
26 56 36 00-0073 EA 100 Watt Metal Halide TFM Series Lithonia Flood Light.....	526.05	111.01
26 56 36 00-0074 EA 175 Watt Metal Halide TFM Series Lithonia Flood Light.....	525.09	111.01
26 56 36 00-0075 Compact Fluorescent TFM Series Lithonia Flood Lights <small>(26 56 36 00-0065)</small>		
26 56 36 00-0076 EA 42 Watt Compact Fluorescent TFM Series Lithonia Flood Light.....	543.70	111.01
26 56 36 00-0077 TFL (Medium Size) Series Lithonia Flood Lights <small>(26 56 36 00-0064)</small>		
Note: For recreation areas, parking lots, building facades and car lots. Includes die-cast aluminum housing, corrosion resistant polyester powder finish and thermal shock resistant lens. Anodized aluminum reflector. Yoke or slip fitter mounting.		
26 56 36 00-0078 High Pressure Sodium TFL Series Lithonia Flood Lights <small>(26 56 36 00-0077)</small>		
26 56 36 00-0079 EA 250 Watt High Pressure Sodium TFL Series Lithonia Flood Light.....	641.82	124.89
26 56 36 00-0080 EA 400 Watt High Pressure Sodium TFL Series Lithonia Flood Light.....	652.95	124.89
26 56 36 00-0081 Metal Halide TFL Series Lithonia Flood Lights <small>(26 56 36 00-0077)</small>		
26 56 36 00-0082 EA 175 Watt Metal Halide TFL Series Lithonia Flood Light.....	616.82	124.89
26 56 36 00-0083 EA 250 Watt Metal Halide TFL Series Lithonia Flood Light.....	616.82	124.89
26 56 36 00-0084 EA 400 Watt Metal Halide TFL Series Lithonia Flood Light.....	634.26	124.89
26 56 36 00-0085 TFR (Low Profile) Series Lithonia Flood Lights <small>(26 56 36 00-0064)</small>		
Note: For recreation areas, parking lots, building facades and car lots. Includes die-cast aluminum housing, corrosion resistant polyester powder finish and thermal shock resistant lens. Anodized aluminum reflector. Yoke or slip fitter mounting.		
26 56 36 00-0086 High Pressure Sodium TFR Lithonia Flood Lights <small>(26 56 36 00-0085)</small>		
26 56 36 00-0087 EA 150 Watt High Pressure Sodium Horizontal TFR Series Lithonia Flood Light	608.51	111.01
26 56 36 00-0088 EA 250 Watt High Pressure Sodium Horizontal TFR Series Lithonia Flood Light	625.16	111.01
26 56 36 00-0089 EA 400 Watt High Pressure Sodium Horizontal TFR Series Lithonia Flood Light	639.07	111.01
26 56 36 00-0090 Metal Halide TFR Lithonia Flood Lights <small>(26 56 36 00-0085)</small>		
26 56 36 00-0091 EA 250 Watt Metal Halide TFR Series Lithonia Flood Light	602.95	111.01
26 56 36 00-0092 EA 400 Watt Metal Halide TFR Series Lithonia Flood Light	619.62	111.01



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

26 56 36 00-0093		TFA (Large Size) Series Lithonia Flood Lights <small>(26 56 36 00-0064)</small> Note: For industrial yards, parking lots, construction sites, streets and recreational areas. Includes die-cast aluminum housing, corrosion resistant polyester powder finish and thermal shock resistant lens. Anodized aluminum reflector. Yoke or slip fitter mounting.		
26 56 36 00-0094		High Pressure Sodium TFA Series Lithonia Flood Lights <small>(26 56 36 00-0093)</small>		
26 56 36 00-0095	EA	1,000 Watt High Pressure Sodium TFA Series Lithonia Flood Light.....	1,125.44	138.76
26 56 36 00-0096		Metal Halide TFA Series Lithonia Flood Lights <small>(26 56 36 00-0093)</small>		
26 56 36 00-0097	EA	400 Watt Metal Halide TFA Series Lithonia Flood Light.....	889.13	138.76
26 56 36 00-0098	EA	1,000 Watt Metal Halide TFA Series Lithonia Flood Light.....	972.53	138.76
26 56 36 00-0099		Accessories For Contour Series Lithonia Flood Lights <small>(26 56 36 00-0064)</small>		
26 56 36 00-0100	EA	Wireguard For Contour Series Lithonia Flood Light.....	107.93	27.75
26 56 36 00-0101	EA	Vandal Guard For Contour Series Lithonia Flood Light.....	189.79	27.75
26 56 36 00-0102	EA	Upper Visor For Contour Series Lithonia Flood Light.....	92.48	27.75
26 56 36 00-0103	EA	Full Visor For Contour Series Lithonia Flood Light.....	117.50	27.75
26 56 36 00-0104	EA	Pipe Wall Mounting Bracket For Contour Series Lithonia Flood Light.....	277.69	83.25
26 56 36 00-0105	EA	Radius Wall Bracket For Contour Series Lithonia Flood Light.....	233.43	83.25
26 56 36 00-0106	EA	Steel Angle Bracket For Contour Series Lithonia Flood Light.....	233.43	83.25
26 56 36 00-0107	EA	U Bolt Wall Bracket For Contour Series Lithonia Flood Light, Mounts To 2" Pipe.....	251.09	83.25
26 56 36 00-0108	EA	Crossarm Adapter For Horizontal Mounted Contour Lithonia Series Flood Light.....	104.13	27.75
26 56 36 00-0109	EA	120/240 Volt, 277 Volt, NEMA Twistlock Photocontrol For Contour Lithonia Series Flood Light.....	87.17	27.75
26 56 36 00-0110		Ruud Flood Lights <small>(26 56 36)</small>		
26 56 36 00-0111		NS (Micro) Series Ruud Flood Lights <small>(26 56 36 00-0110)</small> Note: Provides conventional floodlighting. 1/2" threaded mounting knuckle.		
26 56 36 00-0112		High Pressure Sodium NS Series Ruud Flood Lights <small>(26 56 36 00-0111)</small>		
26 56 36 00-0113	EA	35 Watt High Pressure Sodium NS Series Ruud Flood Light.....	297.07	83.25
26 56 36 00-0114	EA	50 Watt High Pressure Sodium NS Series Ruud Flood Light.....	297.07	83.25
26 56 36 00-0115	EA	70 Watt High Pressure Sodium NS Series Ruud Flood Light.....	297.07	83.25
26 56 36 00-0116	EA	100 Watt High Pressure Sodium NS Series Ruud Flood Light.....	297.07	83.25
26 56 36 00-0117	EA	150 Watt High Pressure Sodium NS Series Ruud Flood Light.....	297.07	83.25
26 56 36 00-0118		Metal Halide NS Series Ruud Flood Lights <small>(26 56 36 00-0111)</small>		
26 56 36 00-0119	EA	50 Watt Metal Halide NS Series Ruud Flood Light.....	329.42	83.25
26 56 36 00-0120	EA	70 Watt Metal Halide NS Series Ruud Flood Light.....	329.42	83.25
26 56 36 00-0121	EA	100 Watt Metal Halide NS Series Ruud Flood Light.....	329.42	83.25
26 56 36 00-0122		Compact Fluorescent NS Series Ruud Flood Lights <small>(26 56 36 00-0111)</small>		
26 56 36 00-0123	EA	13 Watt Compact Fluorescent NS Series Ruud Flood Light.....	263.56	83.25
26 56 36 00-0124	EA	26 Watt Compact Fluorescent NS Series Ruud Flood Light.....	271.65	83.25
26 56 36 00-0125	EA	32 Watt Compact Fluorescent NS Series Ruud Flood Light.....	273.96	83.25
26 56 36 00-0126	EA	42 Watt Compact Fluorescent NS Series Ruud Flood Light.....	276.27	83.25
26 56 36 00-0127		NSF/NSW/NSC (Standard, Wide And Cutoff Micro) Series Ruud Flood Lights <small>(26 56 36 00-0110)</small> Note: The NSF is suited for large open areas and facade applications. The NSW is suited for roadway applications, parking areas or security. The NSC is designed for parking lot and outdoor sports areas. Yoke or slip fitter mounting.		
26 56 36 00-0128		High Pressure Sodium NSF/NSW/NSC Series Ruud Flood Lights <small>(26 56 36 00-0127)</small>		
26 56 36 00-0129	EA	150 Watt High Pressure Sodium NSF/NSW/NSC Series Ruud Flood Light.....	455.43	124.89
26 56 36 00-0130	EA	250 Watt High Pressure Sodium NSF/NSW/NSC Series Ruud Flood Light.....	476.23	124.89
26 56 36 00-0131	EA	400 Watt High Pressure Sodium NSF/NSW/NSC Series Ruud Flood Light.....	487.78	124.89
26 56 36 00-0132		Metal Halide NSF/NSW/NSC Series Ruud Flood Lights <small>(26 56 36 00-0127)</small>		
26 56 36 00-0133	EA	175 Watt Metal Halide NSF/NSW/NSC Series Ruud Flood Light.....	450.81	124.89
26 56 36 00-0134	EA	250 Watt Metal Halide NSF/NSW/NSC Series Ruud Flood Light.....	453.12	124.89
26 56 36 00-0135	EA	400 Watt Metal Halide NSF/NSW/NSC Series Ruud Flood Light.....	460.05	124.89
26 56 36 00-0136		Compact Fluorescent NSF/NSW/NSC Series Ruud Flood Lights <small>(26 56 36 00-0127)</small>		
26 56 36 00-0137	EA	70 Watt Compact Fluorescent NSF/NSW/NSC Series Ruud Flood Light.....	442.72	124.89
26 56 36 00-0138		FS (Square) Series Ruud Flood Lights <small>(26 56 36 00-0110)</small> Note: For signs, large open areas and facade applications. Yoke or slip fitter mounting.		
26 56 36 00-0139		High Pressure Sodium FS Series Ruud Flood Lights <small>(26 56 36 00-0138)</small>		
26 56 36 00-0140	EA	250 Watt High Pressure Sodium FS Series Ruud Flood Light.....	516.67	124.89
26 56 36 00-0141	EA	400 Watt High Pressure Sodium FS Series Ruud Flood Light.....	518.98	124.89



Electrical	26	26
Lighting	26 50	
Exterior Lighting	26 56	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 36 00-0142 EA 1,000 Watt High Pressure Sodium FS Series Ruud Flood Light.....	826.34	138.76
26 56 36 00-0143 Metal Halide FS Series Ruud Flood Lights <small>(26 56 36 00-0138)</small>		
26 56 36 00-0144 EA 175 Watt Metal Halide FS Series Ruud Flood Light.....	516.67	124.89
26 56 36 00-0145 EA 250 Watt Metal Halide FS Series Ruud Flood Light.....	518.98	124.89
26 56 36 00-0146 EA 400 Watt Metal Halide FS Series Ruud Flood Light.....	525.91	124.89
26 56 36 00-0147 EA 1,000 Watt Metal Halide FS Series Ruud Flood Light.....	750.08	138.76
26 56 36 00-0148 MFS (Mini Square) Series Ruud Flood Lights <small>(26 56 36 00-0110)</small>		
Note: For signs, large open areas and façade applications. Yoke or slip fitter mounting.		
26 56 36 00-0149 High Pressure Sodium MFS Series Ruud Flood Lights <small>(26 56 36 00-0148)</small>		
26 56 36 00-0150 EA 35 Watt High Pressure Sodium MFS Series Ruud Flood Light.....	414.96	111.01
26 56 36 00-0151 EA 50 Watt High Pressure Sodium MFS Series Ruud Flood Light.....	439.23	111.01
26 56 36 00-0152 EA 70 Watt High Pressure Sodium MFS Series Ruud Flood Light.....	439.23	111.01
26 56 36 00-0153 EA 100 Watt High Pressure Sodium MFS Series Ruud Flood Light.....	439.23	111.01
26 56 36 00-0154 EA 150 Watt High Pressure Sodium MFS Series Ruud Flood Light.....	439.23	111.01
26 56 36 00-0155 Metal Halide MFS Series Ruud Flood Lights <small>(26 56 36 00-0148)</small>		
26 56 36 00-0156 EA 50 Watt Metal Halide MFS Series Ruud Flood Light.....	447.31	111.01
26 56 36 00-0157 EA 70 Watt Metal Halide MFS Series Ruud Flood Light.....	447.31	111.01
26 56 36 00-0158 EA 100 Watt Metal Halide MFS Series Ruud Flood Light.....	447.31	111.01
26 56 36 00-0159 EA 175 Watt Metal Halide MFS Series Ruud Flood Light.....	434.60	111.01
26 56 36 00-0160 MCF/MPM/MPN (Mini Cutoff. Parabolic Medium And Narrow Mini Square) Series Ruud Flood Lights <small>(26 56 36 00-0110)</small>		
Note: The MCF is suited for parking lots, volleyball courts and tennis courts. The MPM and MPN are suited for flagpoles, columns and narrow signs. Yoke or slip fitter mounting.		
26 56 36 00-0161 High Pressure Sodium MCF/MPM/MPN Series Ruud Flood Lights <small>(26 56 36 00-0160)</small>		
26 56 36 00-0162 EA 35 Watt High Pressure Sodium MCF/MPM/MPN Series Ruud Flood Light.....	443.85	111.01
26 56 36 00-0163 EA 50 Watt High Pressure Sodium MCF/MPM/MPN Series Ruud Flood Light.....	468.11	111.01
26 56 36 00-0164 EA 70 Watt High Pressure Sodium MCF/MPM/MPN Series Ruud Flood Light.....	468.11	111.01
26 56 36 00-0165 EA 100 Watt High Pressure Sodium MCF/MPM/MPN Series Ruud Flood Light.....	468.11	111.01
26 56 36 00-0166 EA 150 Watt High Pressure Sodium MCF/MPM/MPN Series Ruud Flood Light.....	468.11	111.01
26 56 36 00-0167 Metal Halide MCF/MPM/MPN Series Ruud Flood Lights <small>(26 56 36 00-0160)</small>		
26 56 36 00-0168 EA 50 Watt Metal Halide MCF/MPM/MPN Series Ruud Flood Light.....	476.20	111.01
26 56 36 00-0169 EA 70 Watt Metal Halide MCF/MPM/MPN Series Ruud Flood Light.....	476.20	111.01
26 56 36 00-0170 EA 100 Watt Metal Halide MCF/MPM/MPN Series Ruud Flood Light.....	476.20	111.01
26 56 36 00-0171 EA 175 Watt Metal Halide MCF/MPM/MPN Series Ruud Flood Light.....	463.49	111.01
26 56 36 00-0172 CF (Cutoff Square) Series Ruud Flood Lights <small>(26 56 36 00-0110)</small>		
Note: The CF is suited for parking lots, volleyball courts and tennis courts. Yoke or slip fitter mounting.		
26 56 36 00-0173 High Pressure Sodium CF Series Ruud Flood Lights <small>(26 56 36 00-0172)</small>		
26 56 36 00-0174 EA 250 Watt High Pressure Sodium CF Series Ruud Flood Light.....	570.97	124.89
26 56 36 00-0175 EA 400 Watt High Pressure Sodium CF Series Ruud Flood Light.....	582.53	124.89
26 56 36 00-0176 EA 1,000 Watt High Pressure Sodium CF Series Ruud Flood Light.....	855.22	138.76
26 56 36 00-0177 Metal Halide CF Series Ruud Flood Lights <small>(26 56 36 00-0172)</small>		
26 56 36 00-0178 EA 175 Watt Metal Halide CF Series Ruud Flood Light.....	545.55	124.89
26 56 36 00-0179 EA 250 Watt Metal Halide CF Series Ruud Flood Light.....	547.86	124.89
26 56 36 00-0180 EA 400 Watt Metal Halide CF Series Ruud Flood Light.....	554.80	124.89
26 56 36 00-0181 EA 1,000 Watt Metal Halide CF Series Ruud Flood Light.....	778.96	138.76
26 56 36 00-0182 CN (Narrow Beam Cutoff Square) Series Ruud Flood Lights <small>(26 56 36 00-0110)</small>		
Note: The CN is suited for large sports fields, building facades and signs. Yoke or slip fitter mounting.		
26 56 36 00-0183 High Pressure Sodium CN Series Ruud Flood Lights <small>(26 56 36 00-0182)</small>		
26 56 36 00-0184 EA 400 High Pressure Sodium CN Series Ruud Flood Light.....	721.19	138.76
26 56 36 00-0185 EA 1,000 High Pressure Sodium CN Series Ruud Flood Light.....	841.36	138.76
26 56 36 00-0186 Metal Halide CN Series Ruud Flood Lights <small>(26 56 36 00-0182)</small>		
26 56 36 00-0187 EA 400 Watt Metal Halide CN Series Ruud Flood Light.....	693.46	138.76
26 56 36 00-0188 EA 1,000 Watt Metal Halide CN Series Ruud Flood Light.....	765.10	138.76
26 56 36 00-0189 PM/PN (Parabolic Medium And Narrow Square) Series Ruud Flood Lights <small>(26 56 36 00-0110)</small>		
Note: The PM and PN are suited for flagpoles, columns and narrow signs. Yoke or slip fitter mounting.		
26 56 36 00-0190 High Pressure Sodium PM/PN Series Ruud Flood Lights <small>(26 56 36 00-0189)</small>		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 36 00-0191 EA 250 Watt High Pressure Sodium PM/PN Series Ruud Flood Light.....	587.15	124.89
26 56 36 00-0192 EA 400 Watt High Pressure Sodium PM/PN Series Ruud Flood Light.....	598.70	124.89
26 56 36 00-0193 Metal Halide PM/PN Series Ruud Flood Lights (26 56 36 00-0189)		
26 56 36 00-0194 EA 175 Watt Metal Halide PM/PN Series Ruud Flood Light.....	561.73	124.89
26 56 36 00-0195 EA 250 Watt Metal Halide PM/PN Series Ruud Flood Light.....	564.04	124.89
26 56 36 00-0196 EA 400 Watt Metal Halide PM/PN Series Ruud Flood Light.....	570.97	124.89
26 56 36 00-0197 EA 1,000 Watt Metal Halide PM/PN Series Ruud Flood Light.....	795.14	138.76
26 56 36 00-0198 Accessories For Ruud Flood Lighting (26 56 36 00-0110)		
26 56 36 00-0199 EA Wireguard For Ruud Flood Light.....	72.84	27.75
26 56 36 00-0200 EA Deep Baffle (Full Visor) For Ruud Flood Light.....	104.04	27.75
26 56 36 00-0201 EA Glare Guard (Upper Visor) For Ruud Flood Light.....	80.93	27.75
26 56 36 00-0202 EA Vandal Shield For Ruud Flood Light.....	92.48	27.75
26 56 36 00-0203 EA Pipe Mounting Bracket For Ruud Flood Light.....	205.79	83.25
26 56 36 00-0204 EA 120/240 Volt, 277 Volt, NEMA Twistlock Photocontrol For Ruud Flood Light.....	65.91	27.75
26 56 36 00-0205 Lumark Flood Lights (26 56 36)		
26 56 36 00-0206 QZ Wedge Series Quartz Lumark Flood Lights (26 56 36 00-0205)		
Note: For small outdoor areas. Die-cast aluminum housing heat and weather resistant gaskets.		
26 56 36 00-0207 EA 500 Watt QZ Wedge Series Quartz Lumark Flood Light.....	190.14	83.25
26 56 36 00-0208 LQL Series Quartz Lumark Flood Lights (26 56 36 00-0205)		
Note: For medium size outdoor areas. Die-cast aluminum housing heat and weather resistant gaskets.		
26 56 36 00-0209 EA 1,500 Watt LQL Series Quartz Lumark Flood Light.....	224.22	83.25
26 56 36 00-0210 Kim Lighting (26 56 36)		
26 56 36 00-0211 MicroFlood® Series Kim Lighting Flood Lights (26 56 36 00-0210)		
Note: For signs, flags, facades and landscaping. Includes die-cast aluminum housing, corrosion resistant polyester powder finish and gasketed and tempered lens. 1/2" threaded mounting knuckle.		
26 56 36 00-0212 LED MicroFlood® Series Kim Lighting Flood Lights (26 56 36 00-0211)		
26 56 36 00-0213 EA 5 Watt LED MicroFlood® Series Kim Lighting Flood Light.....	300.17	36.36
26 56 36 00-0214 EA 15 Watt LED MicroFlood® Series Kim Lighting Flood Light.....	364.28	36.36
26 56 36 00-0215 Scarab® Series Kim Lighting Flood Lights (26 56 36 00-0210)		
Note: For signs, flags, facades and landscaping. Includes die-cast aluminum housing, corrosion resistant polyester powder finish and gasketed and tempered lens. 1/2" threaded mounting knuckle.		
26 56 36 00-0216 LED Scarab® Series Kim Lighting Accent Flood Lights (26 56 36 00-0215)		
Note: Spot or narrow style accent flood lights.		
26 56 36 00-0217 EA 6 Watt LED Scarab® Series Kim Lighting Accent Flood Light.....	443.13	36.36
26 56 36 00-0218 CREE® BetaLED® Flood Lights (26 56 36)		
26 56 36 00-0219 Yoke Mount, Square, LED Flood Lights (CREE® BetaLED® FLD-304) (26 56 36 00-0218)		
Note: UL wet listed. Includes 5,700K color temperature, 120-480 voltage, 350mA driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.		
26 56 36 00-0220 EA 40 LEDs, 47 System Watts, Yoke Mount, Square, LED Flood Light (CREE® BetaLED® FLD-304).....	777.57	101.08
26 56 36 00-0221 EA 60 LEDs, 68 System Watts, Yoke Mount, Square, LED Flood Light (CREE® BetaLED® FLD-304).....	849.70	106.70
26 56 36 00-0222 Adjustable Arm Mount, Rectangular, LED Flood Lights (CREE® BetaLED® Edge® FLD-EDG) (26 56 36 00-0218)		
Note: UL wet listed. Includes 5,700K color temperature, 120/277 voltage, 350mA driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.		
26 56 36 00-0223 EA 20 LEDs, 26 System Watts, Adjustable Arm Mount, Rectangular, LED Flood Light (CREE® BetaLED® Edge® FLD-EDG).....	679.19	95.47
For 347-480 Volt, Add	53.89	
26 56 36 00-0224 EA 40 LEDs, 47 System Watts, Adjustable Arm Mount, Rectangular, LED Flood Light (CREE® BetaLED® Edge® FLD-EDG).....	844.77	101.08
For 347-480 Volt, Add	53.89	
26 56 36 00-0225 EA 60 LEDs, 68 System Watts, Adjustable Arm Mount, Rectangular, LED Flood Light (CREE® BetaLED® Edge® FLD-EDG).....	1,010.35	106.70
For 347-480 Volt, Add	53.89	
26 56 36 00-0226 EA 80 LEDs, 90 System Watts, Adjustable Arm Mount, Rectangular, LED Flood Light (CREE® BetaLED® Edge® FLD-EDG).....	1,237.89	112.32
For 347-480 Volt, Add	53.89	
26 56 36 00-0227 EA 100 LEDs, 111 System Watts, Adjustable Arm Mount, Rectangular, LED Flood Light (CREE® BetaLED® Edge® FLD-EDG).....	1,403.47	117.93
For 347-480 Volt, Add	53.89	
26 56 36 00-0228 EA 120 LEDs, 132 System Watts, Adjustable Arm Mount, Rectangular, LED Flood Light (CREE® BetaLED® Edge® FLD-EDG).....	1,569.05	123.55
For 347-480 Volt, Add	53.89	



Electrical	26	26
Lighting	26 50	
Exterior Lighting	26 56	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 36 00-0229	EA		140 LEDs, 157 System Watts, Adjustable Arm Mount, Rectangular, LED Flood Light (CREE® BetaLED® Edge® FLD-EDG).....	1,783.98	129.17
			<i>For 347-480 Volt, Add</i>	53.89	
26 56 36 00-0230	EA		160 LEDs, 179 System Watts, Adjustable Arm Mount, Rectangular, LED Flood Light (CREE® BetaLED® Edge® FLD-EDG).....	1,949.56	134.78
			<i>For 347-480 Volt, Add</i>	53.89	
26 56 36 00-0231 Adjustable Arm Mount, Rectangular, High Output, LED Flood Lights (CREE® BetaLED® Edge® FLD-EHO) (26 56 36 00-0218)					
Note: UL wet listed. Includes 5,700K color temperature, 120/277 voltage, 700mA driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.					
26 56 36 00-0232	EA		120 LEDs, 267 System Watts, Adjustable Arm Mount, Rectangular, High Output, LED Flood Light (CREE® BetaLED® Edge® FLD-EHO)	1,507.10	123.55
			<i>For 3 Or 7-Pin NEMA Photocell Receptacle, Add</i>	12.38	
			<i>For Bird Spikes, Add</i>	31.87	
			<i>For 5,000K Color Temperature, Add</i>	30.96	
			<i>For Fuse, Add</i>	37.15	
			<i>For 0 To 10 Volt Dimming, Add</i>	37.15	
			<i>For 480 Volt, Add</i>	55.73	
			<i>For Multi-Level, Add</i>	80.49	
			<i>For 1,000mA Driver, Add</i>	104.02	
26 56 36 00-0233	EA		240 LEDs, 533 System Watts, Adjustable Arm Mount, Rectangular, High Output, LED Flood Light (CREE® BetaLED® Edge® FLD-EHO)	2,525.49	151.63
			<i>For 3 Or 7-Pin NEMA Photocell Receptacle, Add</i>	12.38	
			<i>For 5,000K Color Temperature, Add</i>	30.96	
			<i>For Fuse, Add</i>	37.15	
			<i>For 0 To 10 Volt Dimming, Add</i>	37.15	
			<i>For Bird Spikes, Add</i>	46.38	
			<i>For Multi-Level, Add</i>	80.49	
			<i>For 1,000mA Driver, Add</i>	104.02	
			<i>For 480 Volt, Add</i>	111.45	
26 56 36 00-0234 Direct Or Adjustable Arm Mount, Rectangular, High Output, LED Flood Lights (CREE® BetaLED® OSQ™) (26 56 36 00-0218)					
Note: UL wet listed. Includes 3,000K or 4,000K or 5,700K color temperature, 120/277 voltage, Class 1 driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.					
26 56 36 00-0235	EA		112 System Watts, Direct Or Adjustable Arm Mount, Rectangular, High Output, LED Flood Light (CREE® BetaLED® OSQ™ OSQ-A-NM-XXX-A-XXX-US-UL) (DLC Certified).....	910.26	123.55
			<i>For 3 Or 7-Pin NEMA Photocell Receptacle, Add</i>	12.38	
			<i>For Front Facing Optics, Back Light Shield, Add</i>	25.36	
			<i>For Rotated Optics, Back Light Shield, Add</i>	25.36	
			<i>For Field Adjustable Output, Add</i>	18.58	
			<i>For Fuse, Add</i>	37.15	
			<i>For 0 To 10 Volt Dimming, Add</i>	37.15	
			<i>For Multi-Level, Add</i>	80.49	
26 56 36 00-0236	EA		168 System Watts, Direct Or Adjustable Arm Mount, Rectangular, High Output, LED Flood Light (CREE® BetaLED® OSQ™ OSQ-A-NM-XXX-J-XXX-US-UL) (DLC Certified)	968.78	123.55
			Note: Type III, IV or V medium optics only.		
			<i>For 3 Or 7-Pin NEMA Photocell Receptacle, Add</i>	12.38	
			<i>For Front Facing Optics, Back Light Shield, Add</i>	25.36	
			<i>For Rotated Optics, Back Light Shield, Add</i>	25.36	
			<i>For Field Adjustable Output, Add</i>	18.58	
			<i>For Fuse, Add</i>	37.15	
			<i>For 0 To 10 Volt Dimming, Add</i>	37.15	
			<i>For Type II Medium Or Type V Short Optics, Add</i>	74.37	
			<i>For Multi-Level, Add</i>	80.49	
26 56 36 00-0237	EA		223 System Watts, Direct Or Adjustable Arm Mount, Rectangular, High Output, LED Flood Light (CREE® BetaLED® OSQ™ OSQ-A-NM-XXX-S-XXX-US-UL) (DLC Certified).....	1,239.48	151.63
			<i>For 3 Or 7-Pin NEMA Photocell Receptacle, Add</i>	12.38	
			<i>For Field Adjustable Output, Add</i>	18.58	
			<i>For Front Facing Optics, Back Light Shield, Add</i>	30.76	
			<i>For Rotated Optics, Back Light Shield, Add</i>	30.76	
			<i>For Fuse, Add</i>	37.15	
			<i>For 0 To 10 Volt Dimming, Add</i>	37.15	
			<i>For Multi-Level, Add</i>	80.49	
26 56 36 00-0238 PlanLED Flood Lights (26 56 36)					
26 56 36 00-0239 Adjustable Arm Mount, LED Flood Lights (PlanLED WAPA) (26 56 36 00-0238)					
26 56 36 00-0240	EA		6,250 Lumens, 50 System Watts, Adjustable Arm Mount, Rectangular, LED Flood Light (PlanLED WAPA WP050)	406.92	101.08
26 56 36 00-0241	EA		9,375 Lumens, 75 System Watts, Adjustable Arm Mount, Rectangular, LED Flood Light (PlanLED WAPA WP075)	475.90	106.70
26 56 36 00-0242	EA		12,500 Lumens, 100 System Watts, Adjustable Arm Mount, Rectangular, LED Flood Light (PlanLED WAPA WP100)	543.15	115.13
26 56 36 00-0243 Adjustable Arm Mount, LED Sports Flood Lights (PlanLED SUFA) (26 56 36 00-0238)					
26 56 36 00-0244	EA		21,000 Lumens, 200 System Watts, LED Sports Flood Light (PlanLED SUFA SF200).....	1,095.02	224.64
			<i>For 0 To 10 Volt Dimming, Add</i>	49.73	
26 56 36 00-0245	EA		42,000 Lumens, 400 System Watts, LED Sports Flood Light (PlanLED SUFA SF400).....	1,604.27	224.64
			<i>For 0 To 10 Volt Dimming, Add</i>	49.73	

26 Electrical
26 50 Lighting
26 56 Exterior Lighting



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 36 00-0246 EA 84,000 Lumens, 800 System Watts, LED Sports Flood Light (PlanLED SUFA SF800)..... <i>For 0 To 10 Volt Dimming, Add</i>	2,700.47 49.73	224.64
26 56 36 00-0247 Adjustable Arm Mount, LED High Mast Flood Lights (PlanLED MAHA) <small>(26 56 36 00-0238)</small>		
26 56 36 00-0248 EA 26,000 Lumens, 200 System Watts, Adjustable Arm Mount, Rectangular, LED High Mast Flood Light (PlanLED MAHA MA200)..... <i>For 0 To 10 Volt Dimming, Add</i> <i>For 347-480 Volt, Add</i>	929.38 49.73 -10.35	146.02
26 56 36 00-0249 EA 39,000 Lumens, 300 System Watts, Adjustable Arm Mount, Rectangular, LED High Mast Flood Light (PlanLED MAHA MA300)..... <i>For 0 To 10 Volt Dimming, Add</i> <i>For 347-480 Volt, Add</i>	1,163.21 49.73 65.27	151.63
26 56 36 00-0250 EA 52,000 Lumens, 400 System Watts, Adjustable Arm Mount, Rectangular, LED High Mast Flood Light (PlanLED MAHA MA400)..... <i>For 0 To 10 Volt Dimming, Add</i> <i>For 347-480 Volt, Add</i>	1,456.89 49.73 57.86	157.24
26 56 39 Hazardous Location Flood Lights <small>(26 56)</small>		
<i>Note: For general to heavy industrial applications in marine and corrosive environments. Class 1 Division 2.</i>		
26 56 39 00-0001 Lithonia Hazardous Location Flood Lights <small>(26 56 39)</small>		
26 56 39 00-0002 HFR (Horizontally Oriented Mogul Base) Series Hazardous Location Flood Lights <small>(26 56 39 00-0001)</small>		
<i>Note: Includes die-cast aluminum housing, corrosion resistant polyester powder finish and thermal shock resistant lens. Precision-formed reflector. Yoke mounting.</i>		
26 56 39 00-0003 High Pressure Sodium HFR Series Hazardous Location Flood Lights <small>(26 56 39 00-0002)</small>		
26 56 39 00-0004 EA 150 Watt High Pressure Sodium HFR Series Lithonia Class 1 Div 2 Hazardous Location Flood Light	603.65	111.01
26 56 39 00-0005 EA 250 Watt High Pressure Sodium HFR Series Lithonia Class 1 Div 2 Hazardous Location Flood Light	639.47	111.01
26 56 39 00-0006 EA 400 Watt High Pressure Sodium HFR Series Lithonia Class 1 Div 2 Hazardous Location Flood Light	604.81	111.01
26 56 39 00-0007 Metal Halide HFR Series Lithonia Hazardous Location Flood Lights <small>(26 56 39 00-0002)</small>		
26 56 39 00-0008 EA 250 Watt Metal Halide HFR Series Lithonia Class 1 Div 2 Hazardous Location Flood Light	635.64	111.01
26 56 39 00-0009 EA 400 Watt Metal Halide HFR Series Lithonia Class 1 Div 2 Hazardous Location Flood Light	618.67	111.01
26 56 39 00-0010 HFM (Medium Base) Series Hazardous Location Flood Lights <small>(26 56 39 00-0001)</small>		
<i>Note: Includes die-cast aluminum housing, corrosion resistant polyester powder finish and thermal shock resistant lens. Precision-formed reflector. Yoke mounting.</i>		
26 56 39 00-0011 High Pressure Sodium HFM Series Lithonia Hazardous Location Flood Lights <small>(26 56 39 00-0010)</small>		
26 56 39 00-0012 EA 100 Watt High Pressure Sodium HFM Series Lithonia Class 1 Div 2 Hazardous Location Flood Light	579.03	111.01
26 56 39 00-0013 EA 150 Watt High Pressure Sodium HFM Series Lithonia Class 1 Div 2 Hazardous Location Flood Light	600.40	111.01
26 56 39 00-0014 Metal Halide HFM Series Lithonia Hazardous Location Flood Lights <small>(26 56 39 00-0010)</small>		
26 56 39 00-0015 EA 175 Watt Metal Halide HFM Series Lithonia Class 1 Div 2 Hazardous Location Flood Light.....	521.26	111.01
26 56 39 00-0016 HFA (Large) Series Hazardous Location Flood Lights <small>(26 56 39 00-0001)</small>		
<i>Note: Includes die-cast aluminum housing, corrosion resistant polyester powder finish and thermal shock resistant lens. Precision-formed reflector. Yoke mounting.</i>		
26 56 39 00-0017 High Pressure Sodium HFA Series Lithonia Hazardous Location Flood Lights <small>(26 56 39 00-0016)</small>		
26 56 39 00-0018 EA 250 Watt High Pressure Sodium HFA Series Lithonia Class 1 Div 2 Hazardous Location Flood Light	805.54	138.76
26 56 39 00-0019 EA 400 Watt High Pressure Sodium HFA Series Lithonia Class 1 Div 2 Hazardous Location Flood Light	815.94	138.76
26 56 39 00-0020 Metal Halide HFA Series Lithonia Hazardous Location Flood Lights <small>(26 56 39 00-0016)</small>		
26 56 39 00-0021 EA 250 Watt Metal Halide HFA Series Lithonia Class 1 Div 2 Hazardous Location Flood Light	802.07	138.76
26 56 39 00-0022 EA 400 Watt Metal Halide HFA Series Lithonia Class 1 Div 2 Hazardous Location Flood Light	815.94	138.76
26 56 39 00-0023 HFL (Medium) Series Hazardous Location Flood Lights <small>(26 56 39 00-0001)</small>		
<i>Note: Includes die-cast aluminum housing, corrosion resistant polyester powder finish and thermal shock resistant lens. Precision-formed reflector. Yoke mounting.</i>		
26 56 39 00-0024 High Pressure Sodium HFL Series Lithonia Hazardous Location Flood Lights <small>(26 56 39 00-0023)</small>		
26 56 39 00-0025 EA 400 Watt High Pressure Sodium HFL Series Lithonia Class 1 Div 2 Hazardous Location Flood Light.....	613.72	124.89
26 56 39 00-0026 Metal Halide HFL Series Lithonia Hazardous Location Flood Lights <small>(26 56 39 00-0023)</small>		



Electrical	26	26
Lighting	26 50	
Exterior Lighting	26 56	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 39 00-0027 EA 400 Watt Metal Halide HFL Series Lithonia Class 1 Div 2 Hazardous Location Flood Light.....	654.16	124.89
26 56 39 00-0028 Accessories For Lithonia Hazardous Location Flood Lights (26 56 39 00-0001) See CSI section 26 56 36 00-0099 for accessories.		
26 56 43 High Performance Flood Lights (26 56) Note: For airport aprons and parking areas.		
26 56 43 00-0001 Lithonia High Performance Flood Lights (26 56 43)		
26 56 43 00-0002 170S Series Lithonia High Performance Flood Lights (26 56 43 00-0001) Note: Die-cast aluminum housing welded seams, stainless steel hardware, corrosion resistant polyester powder finish, and thermal and shock resistant flat lens.		
26 56 43 00-0003 High Pressure Sodium 170S Series Lithonia High Performance Flood Lights (26 56 43 00-0002)		
26 56 43 00-0004 EA 250 Watt High Pressure Sodium 170S Series Lithonia High Performance Flood Light	1,337.07	166.51
26 56 43 00-0005 EA 400 Watt High Pressure Sodium 170S Series Lithonia High Performance Flood Light	1,431.82	166.51
26 56 43 00-0006 EA 750 Watt High Pressure Sodium 170S Series Lithonia High Performance Flood Light	1,436.44	166.51
26 56 43 00-0007 EA 1,000 Watt High Pressure Sodium 170S Series Lithonia High Performance Flood Light	1,580.86	166.51
26 56 43 00-0008 Metal Halide 170S Series Lithonia High Performance Flood Lights (26 56 43 00-0002)		
26 56 43 00-0009 EA 320 Watt Metal Halide 170S Series Lithonia High Performance Flood Light.....	1,520.78	166.51
26 56 43 00-0010 EA 350 Watt Metal Halide 170S Series Lithonia High Performance Flood Light.....	1,456.71	166.51
26 56 43 00-0011 EA 400 Watt Metal Halide 170S Series Lithonia High Performance Flood Light.....	1,396.00	166.51
26 56 43 00-0012 EA 1,000 Watt Metal Halide 170S Series Lithonia High Performance Flood Light	1,456.08	166.51
26 56 43 00-0013 Accessories For Lithonia High Performance Flood Lights (26 56 43 00-0002) See CSI section 26 56 36 00-0099 for accessories.		
26 56 68 Athletic Field Lighting (26 56)		
26 56 68 00-0001 Sports Lighting System (26 56 68) Note: Musco.		
26 56 68 00-0002 Round Steel Tapered Poles (26 56 68 00-0001) Note: With internal wiring harness.		
26 56 68 00-0003 EA 20' Steel Tapered Pole With Precast Concrete Foundation Sleeve.....	2,452.31	532.84
26 56 68 00-0004 EA 25' Steel Tapered Pole With Precast Concrete Foundation Sleeve.....	2,952.73	643.85
26 56 68 00-0005 EA 30' Steel Tapered Pole With Precast Concrete Foundation Sleeve.....	3,309.81	699.34
26 56 68 00-0006 EA 35' Steel Tapered Pole With Precast Concrete Foundation Sleeve.....	3,593.44	727.10
26 56 68 00-0007 EA 40' Steel Tapered Pole With Precast Concrete Foundation Sleeve.....	4,399.72	754.85
26 56 68 00-0008 EA 45' Steel Tapered Pole With Precast Concrete Foundation Sleeve.....	5,087.24	921.36
26 56 68 00-0009 EA 50' Steel Tapered Pole With Precast Concrete Foundation Sleeve.....	5,457.80	976.86
26 56 68 00-0010 EA 55' Steel Tapered Pole With Precast Concrete Foundation Sleeve.....	6,200.08	1,110.08
26 56 68 00-0011 EA 60' Steel Tapered Pole With Precast Concrete Foundation Sleeve.....	7,031.34	1,248.84
26 56 68 00-0012 EA 65' Steel Tapered Pole With Precast Concrete Foundation Sleeve.....	7,794.75	1,388.29
26 56 68 00-0013 EA 70' Steel Tapered Pole With Precast Concrete Foundation Sleeve.....	8,528.05	1,551.62
26 56 68 00-0014 EA 75' Steel Tapered Pole With Precast Concrete Foundation Sleeve.....	9,333.10	1,742.17
26 56 68 00-0015 EA 80' Steel Tapered Pole With Precast Concrete Foundation Sleeve.....	10,568.62	2,096.05
26 56 68 00-0016 Steel Pole Brackets (26 56 68 00-0001)		
26 56 68 00-0017 EA Two Light Bracket.....	357.29	55.51
26 56 68 00-0018 EA Three Light Bracket	451.57	77.71
26 56 68 00-0019 EA Four Light Bracket	644.28	94.36
26 56 68 00-0020 EA Five Light Bracket.....	736.64	111.01
26 56 68 00-0021 EA Six Light Bracket.....	891.10	127.66
26 56 68 00-0022 EA Seven Light Bracket.....	1,020.20	144.31
26 56 68 00-0023 EA Eight Light Bracket.....	1,165.21	166.51
26 56 68 00-0024 EA Nine Light Bracket	1,315.01	183.16
26 56 68 00-0025 Light Fixtures (26 56 68 00-0001)		
26 56 68 00-0026 EA 120 or 270 Volt, Sportlite Fixtures Complete with 1,000 Watt Metal Halide Lamp, Hook Cord And Plug	1,396.60	8.59
For 1,500 Watt Metal Halide Lamp, Add		
26 56 68 00-0027 Electrical Component Enclosure (26 56 68 00-0001) Note: Pole mounted NEMA 3R enclosure with thermal magnetic breaker and multiple ballasts to match total light fixtures. For light structures with more than 6 lights, use multiple enclosures.		
26 56 68 00-0028 EA Electrical Component Enclosure For 2 Lights, Pole Mounted.....	563.38	67.44
26 56 68 00-0029 EA Electrical Component Enclosure For 3 Lights, Pole Mounted.....	847.40	103.76
26 56 68 00-0030 EA Electrical Component Enclosure For 4 Lights, Pole Mounted.....	970.46	129.70
26 56 68 00-0031 EA Electrical Component Enclosure For 5 Lights, Pole Mounted.....	1,250.35	145.26
26 56 68 00-0032 EA Electrical Component Enclosure For 6 Lights, Pole Mounted.....	1,401.98	155.64
26 56 68 00-0033 Accessories (26 56 68 00-0001)		
26 56 68 00-0034 EA Time Delay Kit (Musco®).....	683.00	207.80

26 Electrical**26 50 Lighting****26 56 Exterior Lighting**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 68 00-0035	EA		Remote Switch Box Push Button (Musco®).....	1,217.86	207.80
26 56 68 00-0036	EA		Push Button Strobe Kit (Musco®).....	1,431.80	207.80
26 56 68 00-0037	EA		Additional Control-Link Unit (Musco®).....	6,595.25	623.38
26 56 68 00-0038	EA		Auxiliary Brackets For Speakers Or Egress Fixtures, For New Installations (Musco®)	742.37	103.76
26 56 68 00-0039	EA		Auxiliary Brackets For Speakers Or Egress Fixtures, For Retrofit Applications (Musco®)	949.88	207.52

END OF SECTION 26



	MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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27 Communications

Note: Termination costs are included with all communication equipment, panel boards, and devices. Terminations are not included with patch panels.

27 05 Common Work Results for Communications ⁽²⁷⁾

27 05 26 Grounding and Bonding for Communications Systems ^(27 05)

27 05 26 00-0001	EA	2" x 1/4" x 12", TGB Pattern, Grounding Bus Bar	171.16	28.05
27 05 26 00-0002	EA	4" x 1/4" x 12", TMGB Pattern, Grounding Bus Bar	200.77	28.05
27 05 26 00-0003	EA	#6 AWG, Cable Runway Ground Strap	42.23	5.20
27 05 26 00-0004	EA	1/4" Screw Size, #6 AWG Compression Lug	17.47	5.20
27 05 26 00-0005	EA	3/8" Screw Size, #6 AWG Compression Lug	18.34	5.20
27 05 26 00-0006	EA	Two Mounting Hole, Ground Terminal Block	19.95	5.20
27 05 26 00-0007	EA	25 Pair Outdoor, Enclosed Building Entrance Terminal (ADC 6649 1 720-00).....	618.71	106.18
		Note: Excludes terminations.		
27 05 26 00-0008	EA	50 Pair Outdoor, Enclosed Building Entrance Terminal (ADC 6649 1 820-00).....	804.88	141.61
		Note: Excludes terminations.		
27 05 26 00-0009	EA	100 Pair Outdoor, Enclosed Building Entrance Terminal (ADC 6649 1 630-00).....	1,258.09	212.36
		Note: Excludes terminations.		
27 05 26 00-0010	EA	Lucent 3B1-EW, Gas Tube Protector Unit	7.51	1.55

27 05 29 Hangers And Supports For Communications Systems ^(27 05)

See CSI section 26 05 29 00-0000 for hangers and supports.

27 05 29 00-0001 Communications And Low Voltage Cable Hooks (J-Hooks) ^(27 05 29)

27 05 29 00-0002 Screw On Attachment, Communications And Low Voltage Cable Hooks (J-Hooks) ^(27 05 29 00-0001)

Note: Includes screw.

27 05 29 00-0003	EA	3/4" Hook Size, Pre-Galvanized Finish, Screw On, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH12).....	6.96	2.60
		<i>For >50 To 100, Deduct</i>	-0.30	
		<i>For >100 To 250, Deduct</i>	-0.61	
		<i>For >250 To 500, Deduct</i>	-1.17	
		<i>For >500, Deduct</i>	-1.74	
		<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	1.40	
		<i>For Work In Restricted Working Space, Add</i>	1.56	
		<i>For Painted Powder Coated Finish, Add</i>	0.36	
27 05 29 00-0004	EA	1-5/16" Hook Size, Pre-Galvanized Finish, Screw On, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH21).....	7.23	2.60
		<i>For >50 To 100, Deduct</i>	-0.31	
		<i>For >100 To 250, Deduct</i>	-0.62	
		<i>For >250 To 500, Deduct</i>	-1.19	
		<i>For >500, Deduct</i>	-1.76	
		<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	1.40	
		<i>For Work In Restricted Working Space, Add</i>	1.56	
		<i>For Painted Powder Coated Finish, Add</i>	1.25	
		<i>For Low Friction Xylan® Coated Finish, Add</i>	4.47	
27 05 29 00-0005	EA	2" Hook Size, Pre-Galvanized Finish, Screw On, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH32).....	7.66	2.60
		<i>For >50 To 100, Deduct</i>	-0.32	
		<i>For >100 To 250, Deduct</i>	-0.64	
		<i>For >250 To 500, Deduct</i>	-1.22	
		<i>For >500, Deduct</i>	-1.81	
		<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	1.40	
		<i>For Work In Restricted Working Space, Add</i>	1.56	
		<i>For Painted Powder Coated Finish, Add</i>	1.54	
		<i>For Low Friction Xylan® Coated Finish, Add</i>	5.55	
27 05 29 00-0006	EA	4" Hook Size, Pre-Galvanized Finish, Screw On, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH64).....	11.31	2.60
		<i>For >50 To 100, Deduct</i>	-0.41	
		<i>For >100 To 250, Deduct</i>	-0.83	
		<i>For >250 To 500, Deduct</i>	-1.50	
		<i>For >500, Deduct</i>	-2.17	
		<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	1.40	
		<i>For Work In Restricted Working Space, Add</i>	1.56	
		<i>For Painted Powder Coated Finish, Add</i>	0.82	
		<i>For Low Friction Xylan® Coated Finish, Add</i>	4.92	

27 05 29 00-0007 Screw On Angle Bracket Attachment, Communications And Low Voltage Cable Hooks (J-Hooks) ^(27 05 29 00-0001)

Note: Includes screw.

27 05 29 00-0008	EA	3/4" Hook Size, Pre-Galvanized Finish, Screw On Angle Bracket Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH12-RB)	7.60	2.60
		<i>For >50 To 100, Deduct</i>	-0.32	
		<i>For >100 To 250, Deduct</i>	-0.64	
		<i>For >250 To 500, Deduct</i>	-1.22	
		<i>For >500, Deduct</i>	-1.80	
		<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	1.40	
		<i>For Work In Restricted Working Space, Add</i>	1.56	

27 Communications**27 05 Common Work Results for Communications****27 05 29 Hangers And Supports For Communications Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 05 29 00-0009 EA 1-5/16" Hook Size, Pre-Galvanized Finish, Screw On Angle Bracket Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH21-RB)	9.25	2.60
For >50 To 100, Deduct	-0.36	
For >100 To 250, Deduct	-0.72	
For >250 To 500, Deduct	-1.34	
For >500, Deduct	-1.97	
For Installation On Concrete (Includes Drilling And Fastener), Add	1.40	
For Work In Restricted Working Space, Add	1.56	
27 05 29 00-0010 EA 2" Hook Size, Pre-Galvanized Finish, Screw On Angle Bracket Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH32-RB)	10.05	2.60
For >50 To 100, Deduct	-0.38	
For >100 To 250, Deduct	-0.76	
For >250 To 500, Deduct	-1.40	
For >500, Deduct	-2.05	
For Installation On Concrete (Includes Drilling And Fastener), Add	1.40	
For Work In Restricted Working Space, Add	1.56	
27 05 29 00-0011 EA 4" Hook Size, Pre-Galvanized Finish, Screw On Angle Bracket Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH4-RB)	12.91	2.60
For >50 To 100, Deduct	-0.45	
For >100 To 250, Deduct	-0.91	
For >250 To 500, Deduct	-1.62	
For >500, Deduct	-2.33	
For Installation On Concrete (Includes Drilling And Fastener), Add	1.40	
For Work In Restricted Working Space, Add	1.56	
27 05 29 00-0012 Strut Attachment, Communications And Low Voltage Cable Hooks (J-Hooks) (27 05 29 00-0001)		
Note: Excludes strut.		
27 05 29 00-0013 EA 3/4" Hook Size, Pre-Galvanized Finish, Strut Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH12-SC4)	7.91	2.60
For >50 To 100, Deduct	-0.33	
For >100 To 250, Deduct	-0.66	
For >250 To 500, Deduct	-1.24	
For >500, Deduct	-1.83	
For Work In Restricted Working Space, Add	1.56	
27 05 29 00-0014 EA 1-5/16" Hook Size, Pre-Galvanized Finish, Strut Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH21-SC4)	9.00	2.60
For >50 To 100, Deduct	-0.36	
For >100 To 250, Deduct	-0.71	
For >250 To 500, Deduct	-1.33	
For >500, Deduct	-1.94	
For Work In Restricted Working Space, Add	1.56	
27 05 29 00-0015 EA 2" Hook Size, Pre-Galvanized Finish, Strut Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH32-SC4)	9.57	2.60
For >50 To 100, Deduct	-0.37	
For >100 To 250, Deduct	-0.74	
For >250 To 500, Deduct	-1.37	
For >500, Deduct	-2.00	
For Work In Restricted Working Space, Add	1.56	
27 05 29 00-0016 EA 4" Hook Size, Pre-Galvanized Finish, Strut Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH64-SC4)	12.28	2.60
For >50 To 100, Deduct	-0.44	
For >100 To 250, Deduct	-0.87	
For >250 To 500, Deduct	-1.57	
For >500, Deduct	-2.27	
For Work In Restricted Working Space, Add	1.56	
27 05 29 00-0017 T-Bar Attachment, Communications And Low Voltage Cable Hooks (J-Hooks) (27 05 29 00-0001)		
Note: Excludes T-Bar.		
27 05 29 00-0018 EA 3/4" Hook Size, Pre-Galvanized Finish, T-Bar Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH12-A28)	9.11	2.60
For >50 To 100, Deduct	-0.36	
For >100 To 250, Deduct	-0.72	
For >250 To 500, Deduct	-1.33	
For >500, Deduct	-1.95	
For Work In Restricted Working Space, Add	1.56	
27 05 29 00-0019 EA 1-5/16" Hook Size, Pre-Galvanized Finish, T-Bar Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH21-A28)	10.96	2.60
For >50 To 100, Deduct	-0.40	
For >100 To 250, Deduct	-0.81	
For >250 To 500, Deduct	-1.47	
For >500, Deduct	-2.14	
For Work In Restricted Working Space, Add	1.56	
27 05 29 00-0020 EA 2" Hook Size, Pre-Galvanized Finish, T-Bar Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH32-A28)	11.45	2.60
For >50 To 100, Deduct	-0.42	
For >100 To 250, Deduct	-0.83	
For >250 To 500, Deduct	-1.51	
For >500, Deduct	-2.19	
For Work In Restricted Working Space, Add	1.56	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 05 29 00-0021				Plain Or Threaded Rod Clip-On Attachment, Communications And Low Voltage Cable Hooks (J-Hooks) <small>(27 05 29 00-0001)</small>		
				Note: Excludes threaded rod. See CSI section 26 05 29 00-0372 for threaded rod.		
27 05 29 00-0022	EA			3/4" Hook Size, Pre-Galvanized Finish, Plain Or Threaded Rod Clip-On Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH12-W6).....	7.76	2.60
				<i>For >50 To 100, Deduct</i>	-0.32	
				<i>For >100 To 250, Deduct</i>	-0.65	
				<i>For >250 To 500, Deduct</i>	-1.23	
				<i>For >500, Deduct</i>	-1.82	
				<i>For Work In Restricted Working Space, Add</i>	1.56	
27 05 29 00-0023	EA			1-5/16" Hook Size, Pre-Galvanized Finish, Plain Or Threaded Rod Clip-On Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH21-W6).....	8.01	2.60
				<i>For >50 To 100, Deduct</i>	-0.33	
				<i>For >100 To 250, Deduct</i>	-0.66	
				<i>For >250 To 500, Deduct</i>	-1.25	
				<i>For >500, Deduct</i>	-1.84	
				<i>For Work In Restricted Working Space, Add</i>	1.56	
27 05 29 00-0024	EA			2" Hook Size, Pre-Galvanized Finish, Plain Or Threaded Rod Clip-On Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH32-W6).....	9.30	2.60
				<i>For >50 To 100, Deduct</i>	-0.36	
				<i>For >100 To 250, Deduct</i>	-0.73	
				<i>For >250 To 500, Deduct</i>	-1.35	
				<i>For >500, Deduct</i>	-1.97	
				<i>For Work In Restricted Working Space, Add</i>	1.56	
27 05 29 00-0025				Threaded Rod Attachment, Communications And Low Voltage Cable Hooks (J-Hooks) <small>(27 05 29 00-0001)</small>		
				Note: Excludes threaded rod, nuts and washers. See CSI section 26 05 29 00-0372 for threaded rod, nuts and washers.		
27 05 29 00-0026	EA			1-5/16" Hook Size, Pre-Galvanized Finish, Threaded Rod Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH21-AB).....	9.15	2.60
				<i>For >50 To 100, Deduct</i>	-0.36	
				<i>For >100 To 250, Deduct</i>	-0.72	
				<i>For >250 To 500, Deduct</i>	-1.34	
				<i>For >500, Deduct</i>	-1.96	
				<i>For Work In Restricted Working Space, Add</i>	1.56	
27 05 29 00-0027	EA			2" Hook Size, Pre-Galvanized Finish, Threaded Rod Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH32-AB).....	9.75	2.60
				<i>For >50 To 100, Deduct</i>	-0.37	
				<i>For >100 To 250, Deduct</i>	-0.75	
				<i>For >250 To 500, Deduct</i>	-1.38	
				<i>For >500, Deduct</i>	-2.02	
				<i>For Work In Restricted Working Space, Add</i>	1.56	
27 05 29 00-0028	EA			4" Hook Size, Pre-Galvanized Finish, Threaded Rod Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH64-AB).....	12.75	2.60
				<i>For >50 To 100, Deduct</i>	-0.45	
				<i>For >100 To 250, Deduct</i>	-0.90	
				<i>For >250 To 500, Deduct</i>	-1.61	
				<i>For >500, Deduct</i>	-2.32	
				<i>For Work In Restricted Working Space, Add</i>	1.56	
27 05 29 00-0029				Beam Clamp Attachment, Communications And Low Voltage Cable Hooks (J-Hooks) <small>(27 05 29 00-0001)</small>		
27 05 29 00-0030	EA			3/4" Hook Size, Pre-Galvanized Finish, Beam Clamp Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH12-C442A).....	9.07	2.60
				<i>For >50 To 100, Deduct</i>	-0.36	
				<i>For >100 To 250, Deduct</i>	-0.71	
				<i>For >250 To 500, Deduct</i>	-1.33	
				<i>For >500, Deduct</i>	-1.95	
				<i>For Work In Restricted Working Space, Add</i>	1.56	
27 05 29 00-0031	EA			1-5/16" Hook Size, Pre-Galvanized Finish, Beam Clamp Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH21-C442A).....	10.14	2.60
				<i>For >50 To 100, Deduct</i>	-0.38	
				<i>For >100 To 250, Deduct</i>	-0.77	
				<i>For >250 To 500, Deduct</i>	-1.41	
				<i>For >500, Deduct</i>	-2.05	
				<i>For Work In Restricted Working Space, Add</i>	1.56	
27 05 29 00-0032	EA			2" Hook Size, Pre-Galvanized Finish, Beam Clamp Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH32-C442A).....	10.71	2.60
				<i>For >50 To 100, Deduct</i>	-0.40	
				<i>For >100 To 250, Deduct</i>	-0.80	
				<i>For >250 To 500, Deduct</i>	-1.45	
				<i>For >500, Deduct</i>	-2.11	
				<i>For Work In Restricted Working Space, Add</i>	1.56	
27 05 29 00-0033	EA			4" Hook Size, Pre-Galvanized Finish, Beam Clamp Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH64-C442A).....	13.83	2.60
				<i>For >50 To 100, Deduct</i>	-0.48	
				<i>For >100 To 250, Deduct</i>	-0.95	
				<i>For >250 To 500, Deduct</i>	-1.69	
				<i>For >500, Deduct</i>	-2.42	
				<i>For Work In Restricted Working Space, Add</i>	1.56	

27 Communications**27 05 Common Work Results for Communications****27 05 29 Hangers And Supports For Communications Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 05 29 00-0034			Adjustable Cable Supports (Caddy® CableCat CAT425) ^(27 05 29)		
27 05 29 00-0035	EA		Wall Mount, 4" To 6" Diameter Loop, Adjustable Cable Support (Caddy® CableCat CAT425).....	24.12	3.43
			<i>For >50 To 100, Deduct</i>	-0.86	
			<i>For >100 To 250, Deduct</i>	-1.73	
			<i>For >250 To 500, Deduct</i>	-3.11	
			<i>For >500, Deduct</i>	-4.49	
			<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	2.70	
			<i>For Work In Restricted Working Space, Add</i>	3.11	
27 05 29 00-0036	EA		Threaded Rod Or Horizontal Surface Mount, 4" To 6" Diameter Loop, Adjustable Cable Support (Caddy® CableCat CAT425)	24.52	3.43
			<i>For >50 To 100, Deduct</i>	-0.87	
			<i>For >100 To 250, Deduct</i>	-1.75	
			<i>For >250 To 500, Deduct</i>	-3.14	
			<i>For >500, Deduct</i>	-4.53	
			<i>For Work In Restricted Working Space, Add</i>	3.11	
27 05 29 00-0037	EA		Up To 1/4" Flange, Hammer On Flange Clip, 4" To 6" Diameter Loop, Adjustable Cable Support (Caddy® CableCat CAT425)	26.61	3.43
			<i>For >50 To 100, Deduct</i>	-0.92	
			<i>For >100 To 250, Deduct</i>	-1.85	
			<i>For >250 To 500, Deduct</i>	-3.29	
			<i>For >500, Deduct</i>	-4.74	
			<i>For Work In Restricted Working Space, Add</i>	3.11	
27 05 29 00-0038	EA		>1/4" To 3/4" Flange, Hammer On Flange Clip, 4" To 6" Diameter Loop, Adjustable Cable Support (Caddy® CableCat CAT425)	24.05	3.43
			<i>For >50 To 100, Deduct</i>	-0.86	
			<i>For >100 To 250, Deduct</i>	-1.72	
			<i>For >250 To 500, Deduct</i>	-3.10	
			<i>For >500, Deduct</i>	-4.48	
			<i>For Work In Restricted Working Space, Add</i>	3.11	
27 05 29 00-0039	EA		Up To 1/2" Flange, Beam Clamp, 4" To 6" Diameter Loop, Adjustable Cable Support (Caddy® CableCat CAT425)	25.02	3.43
			<i>For >50 To 100, Deduct</i>	-0.89	
			<i>For >100 To 250, Deduct</i>	-1.77	
			<i>For >250 To 500, Deduct</i>	-3.17	
			<i>For >500, Deduct</i>	-4.58	
			<i>For Work In Restricted Working Space, Add</i>	3.11	
27 05 29 00-0040	EA		>1/2" To 5/8" Flange, Beam Clamp, 4" To 6" Diameter Loop, Adjustable Cable Support (Caddy® CableCat CAT425)	25.98	3.43
			<i>For >50 To 100, Deduct</i>	-0.91	
			<i>For >100 To 250, Deduct</i>	-1.82	
			<i>For >250 To 500, Deduct</i>	-3.25	
			<i>For >500, Deduct</i>	-4.67	
			<i>For Work In Restricted Working Space, Add</i>	3.11	
27 05 29 00-0041	EA		Up To 1/4" Flange, Hammer On Purlin Clip, 4" To 6" Diameter Loop, Adjustable Cable Support (Caddy® CableCat CAT425)	24.69	3.43
			<i>For >50 To 100, Deduct</i>	-0.88	
			<i>For >100 To 250, Deduct</i>	-1.75	
			<i>For >250 To 500, Deduct</i>	-3.15	
			<i>For >500, Deduct</i>	-4.55	
			<i>For Work In Restricted Working Space, Add</i>	3.11	
27 05 33			Conduits And Backboxes For Communications Systems ^(27 05)		
			See CSI section 26 05 33 00-0000 for conduit and boxes.		
27 05 36			Cable Trays For Communications Systems ^(27 05)		
			See CSI section 26 05 36 00-0000 for cable trays.		
27 05 39			Surface Raceways For Communications Systems ^(27 05)		
			See CSI section 26 05 33 00-0000 for surface raceways.		
27 05 43			Underground Ducts And Raceways For Communications Systems ^(27 05)		
			See CSI section 26 05 43 00-0000 for underground ducts and raceways.		
27 05 46			Utility Poles For Communications Systems ^(27 05)		
			See CSI section 26 05 46 00-0000 for utility poles.		
27 05 53			Identification For Communications Systems ^(27 05)		
			See CSI section 26 05 53 00-0000 for identification.		
27 10			Structured Cabling ⁽²⁷⁾		
			Note: Includes testing.		
27 11			Communications Equipment Room Fittings ^(27 10)		
27 11 16			Communications Cabinets, Racks, Frames, And Enclosures ^(27 11)		
27 11 16 00-0001			3/4" Fire Retardant Plywood Backboards ^(27 11 16)		
27 11 16 00-0002	EA		4' x 4' x 3/4" Fire Retardant Plywood Phone Backboard	74.56	26.98
			<i>For Two Coats Of Non-Conductive, Fire Retardant Paint, Add</i>	41.04	
27 11 16 00-0003	EA		4' x 8' x 3/4" Fire Retardant Plywood Phone Backboard	149.11	53.96
			<i>For Two Coats Of Non-Conductive, Fire Retardant Paint, Add</i>	82.08	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 11 16 00-0004				Terminal Cabinets <small>(27 11 16)</small>		
				EA 12" x 12" x 4" Phone Terminal Cabinet With Wood Backboard.....	257.51	77.82
				EA 18" x 12" x 4" Phone Terminal Cabinet With Wood Backboard.....	316.73	85.60
				EA 24" x 12" x 4" Phone Terminal Cabinet With Wood Backboard.....	364.49	98.57
				EA 18" x 18" x 4" Phone Terminal Cabinet With Wood Backboard.....	377.84	101.16
				EA 24" x 18" x 4" Phone Terminal Cabinet With Wood Backboard.....	448.54	103.76
				EA 26" x 36" x 4" Phone Terminal Cabinet With Wood Backboard.....	547.36	116.73
				EA 24" x 24" x 6" Phone Terminal Cabinet With Wood Backboard.....	556.71	114.13
				EA 30" x 24" x 6" Phone Terminal Cabinet With Wood Backboard.....	725.57	162.59
				EA 36" x 24" x 6" Phone Terminal Cabinet With Wood Backboard.....	779.41	178.67
				EA 42" x 24" x 6" Phone Terminal Cabinet With Wood Backboard.....	923.37	188.74
				EA 30" x 30" x 6" Phone Terminal Cabinet With Wood Backboard.....	762.43	155.64
				EA 36" x 30" x 6" Phone Terminal Cabinet With Wood Backboard.....	824.74	168.61
				EA 48" x 30" x 6" Phone Terminal Cabinet With Wood Backboard.....	1,032.26	216.13
				EA 54" x 30" x 6" Phone Terminal Cabinet With Wood Backboard.....	1,246.71	270.19
				EA 48" x 36" x 6" Phone Terminal Cabinet With Wood Backboard.....	1,387.26	267.18
				EA 60" x 36" x 6" Phone Terminal Cabinet With Wood Backboard.....	1,605.68	325.08
27 11 16 00-0021				Equipment Racks And Cable Managers <small>(27 11 16)</small>		
27 11 16 00-0022				Equipment Racks <small>(27 11 16 00-0021)</small>		
				Note: Electronics Industries Association EIA-310-D compliant. Includes aluminum construction with clear grained aluminum or black epoxy-polyester hybrid powder coat finish.		
27 11 16 00-0023				Standard Equipment Racks <small>(27 11 16 00-0022)</small>		
27 11 16 00-0024				19" Width, Standard Equipment Racks <small>(27 11 16 00-0023)</small>		
				EA 84" Height, 19" Width, 3" Depth, 45U, Standard Equipment Rack (Chatsworth 55053-X03).....	482.93	166.02
				<i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	7.55	
				EA 96" Height, 19" Width, 3" Depth, 51U, Standard Equipment Rack (Chatsworth 55053-X15).....	650.56	176.40
				<i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	14.89	
				EA 108" Height, 19" Width, 3" Depth, 58U, Standard Equipment Rack (Chatsworth 55053-X08).....	701.39	186.76
				<i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	16.39	
27 11 16 00-0028				Universal Equipment Racks <small>(27 11 16 00-0022)</small>		
27 11 16 00-0029				Universal Equipment Racks <small>(27 11 16 00-0028)</small>		
27 11 16 00-0030				19" Width, EIA Universal Equipment Racks <small>(27 11 16 00-0029)</small>		
				EA 36" Height, 19" Width, 3" Depth, 17U, EIA Universal Equipment Rack (Chatsworth 46353-X31).....	602.59	145.26
				<i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	15.60	
				EA 48" Height, 19" Width, 3" Depth, 24U, EIA Universal Equipment Rack (Chatsworth 46353-X20).....	654.52	147.85
				<i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	17.94	
				EA 60" Height, 19" Width, 3" Depth, 31U, EIA Universal Equipment Rack (Chatsworth 46353-X19).....	654.68	150.45
				<i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	17.69	
				EA 66" Height, 19" Width, 3" Depth, 34U, EIA Universal Equipment Rack (Chatsworth 46353-X00).....	671.04	153.04
				<i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	18.25	
				EA 72" Height, 19" Width, 3" Depth, 38U, EIA Universal Equipment Rack (Chatsworth 46353-X01).....	687.23	155.64
				<i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	18.80	
				EA 78" Height, 19" Width, 3" Depth, 41U, EIA Universal Equipment Rack (Chatsworth 46353-X02).....	704.68	158.23
				<i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	19.41	
				EA 84" Height, 19" Width, 3" Depth, 45U, EIA Universal Equipment Rack (Chatsworth 46353-X03).....	609.85	160.83
				<i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	14.41	
				EA 90" Height, 19" Width, 3" Depth, 48U, EIA Universal Equipment Rack (Chatsworth 46353-X05).....	738.63	163.42
				<i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	20.59	
				EA 96" Height, 19" Width, 3" Depth, 51U, EIA Universal Equipment Rack (Chatsworth 46353-X15).....	763.62	166.02
				<i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	21.58	
				EA 102" Height, 19" Width, 3" Depth, 55U, EIA Universal Equipment Rack (Chatsworth 46353-X17).....	785.55	168.61
				<i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	22.42	
				EA 108" Height, 19" Width, 3" Depth, 58U, EIA Universal Equipment Rack (Chatsworth 46353-X08).....	791.58	171.21
				<i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	22.46	
27 11 16 00-0042				23" Width, Universal Equipment Racks <small>(27 11 16 00-0029)</small>		
				EA 36" Height, 23" Width, 3" Depth, 17U, Universal Equipment Rack (Chatsworth 46383-X31).....	634.61	145.26
				<i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	17.20	
				EA 48" Height, 23" Width, 3" Depth, 24U, Universal Equipment Rack (Chatsworth 46383-X20).....	655.71	147.85
				<i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	18.00	
				EA 60" Height, 23" Width, 3" Depth, 31U, Universal Equipment Rack (Chatsworth 46383-X19).....	674.40	150.45
				<i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	18.68	
				EA 66" Height, 23" Width, 3" Depth, 34U, Universal Equipment Rack (Chatsworth 46383-X00).....	708.54	153.04
				<i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	20.12	
				EA 72" Height, 23" Width, 3" Depth, 38U, Universal Equipment Rack (Chatsworth 46383-X01).....	725.84	155.64
				<i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	20.73	
				EA 78" Height, 23" Width, 3" Depth, 41U, Universal Equipment Rack (Chatsworth 46383-X02).....	744.56	158.23
				<i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	21.40	
				EA 84" Height, 23" Width, 3" Depth, 45U, Universal Equipment Rack (Chatsworth 46383-X03).....	650.20	160.83
				<i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	16.43	
				EA 90" Height, 23" Width, 3" Depth, 48U, Universal Equipment Rack (Chatsworth 46383-X05).....	780.96	163.42
				<i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	22.71	

27 Communications**27 10 Structured Cabling****27 11 Communications Equipment Room Fittings**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 11 16 00-0051 EA 96" Height, 23" Width, 3" Depth, 51U, Universal Equipment Rack (Chatsworth 46383-X15).....	807.95	166.02
For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	23.80	
27 11 16 00-0052 EA 102" Height, 23" Width, 3" Depth, 55U, Universal Equipment Rack (Chatsworth 46383-X17).....	831.63	168.61
For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	24.72	
27 11 16 00-0053 EA 108" Height, 23" Width, 3" Depth, 58U, Universal Equipment Rack (Chatsworth 46383-X08).....	837.74	171.21
For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	24.77	
27 11 16 00-0054 35" Width, Universal Equipment Racks (27 11 16 00-0029)		
27 11 16 00-0055 EA 72" Height, 35" Width, 3" Depth, 38U, Universal Equipment Rack (Chatsworth 46363-X01).....	780.12	155.64
For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	23.44	
27 11 16 00-0056 EA 84" Height, 35" Width, 3" Depth, 45U, Universal Equipment Rack (Chatsworth 46363-X03).....	820.41	160.83
For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	24.94	
27 11 16 00-0057 UL Listed Universal Equipment Racks (27 11 16 00-0028)		
Note: UL listed as a communications circuit accessory.		
27 11 16 00-0058 19" Width, UL Listed Universal Equipment Racks (27 11 16 00-0057)		
27 11 16 00-0059 EA 36" Height, 19" Width, 3" Depth, 17U, UL Listed Universal Equipment Rack (Chatsworth 48353-X31)	633.80	145.26
For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	17.16	
27 11 16 00-0060 EA 48" Height, 19" Width, 3" Depth, 24U, UL Listed Universal Equipment Rack (Chatsworth 48353-X20)	681.84	147.85
For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	19.31	
27 11 16 00-0061 EA 60" Height, 19" Width, 3" Depth, 31U, UL Listed Universal Equipment Rack (Chatsworth 48353-X19)	692.40	150.45
For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	19.58	
27 11 16 00-0062 EA 66" Height, 19" Width, 3" Depth, 34U, UL Listed Universal Equipment Rack (Chatsworth 48353-X00)	707.56	153.04
For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	20.07	
27 11 16 00-0063 EA 72" Height, 19" Width, 3" Depth, 38U, UL Listed Universal Equipment Rack (Chatsworth 48353-X01)	724.81	155.64
For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	20.68	
27 11 16 00-0064 EA 78" Height, 19" Width, 3" Depth, 41U, UL Listed Universal Equipment Rack (Chatsworth 48353-X02)	743.49	158.23
For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	21.35	
27 11 16 00-0065 EA 84" Height, 19" Width, 3" Depth, 45U, UL Listed Universal Equipment Rack (Chatsworth 48353-X03)	761.47	160.83
For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	21.99	
27 11 16 00-0066 EA 90" Height, 19" Width, 3" Depth, 48U, UL Listed Universal Equipment Rack (Chatsworth 48353-X05)	779.83	163.42
For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	22.65	
27 11 16 00-0067 EA 96" Height, 19" Width, 3" Depth, 51U, UL Listed Universal Equipment Rack (Chatsworth 48353-X15)	806.79	166.02
For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	23.74	
27 11 16 00-0068 EA 102" Height, 19" Width, 3" Depth, 55U, UL Listed Universal Equipment Rack (Chatsworth 48353-X17)	830.41	168.61
For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	24.66	
27 11 16 00-0069 EA 108" Height, 19" Width, 3" Depth, 58U, UL Listed Universal Equipment Rack (Chatsworth 48353-X08)	836.46	171.21
For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	24.70	
27 11 16 00-0070 23" Width, UL Listed Universal Equipment Racks (27 11 16 00-0057)		
27 11 16 00-0071 EA 36" Height, 23" Width, 3" Depth, 17U, UL Listed Universal Equipment Rack (Chatsworth 48383-X31)	669.05	145.26
For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	18.93	
27 11 16 00-0072 EA 48" Height, 23" Width, 3" Depth, 24U, UL Listed Universal Equipment Rack (Chatsworth 48383-X20)	729.65	147.85
For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	21.70	
27 11 16 00-0073 EA 60" Height, 23" Width, 3" Depth, 31U, UL Listed Universal Equipment Rack (Chatsworth 48383-X19)	739.20	150.45
For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	21.92	
27 11 16 00-0074 EA 66" Height, 23" Width, 3" Depth, 34U, UL Listed Universal Equipment Rack (Chatsworth 48383-X00)	748.78	153.04
For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	22.13	
27 11 16 00-0075 EA 72" Height, 23" Width, 3" Depth, 38U, UL Listed Universal Equipment Rack (Chatsworth 48383-X01)	767.28	155.64
For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	22.80	
27 11 16 00-0076 EA 78" Height, 23" Width, 3" Depth, 41U, UL Listed Universal Equipment Rack (Chatsworth 48383-X02)	787.38	158.23
For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	23.55	
27 11 16 00-0077 EA 84" Height, 23" Width, 3" Depth, 45U, UL Listed Universal Equipment Rack (Chatsworth 48383-X03)	806.65	160.83
For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	24.25	
27 11 16 00-0078 EA 90" Height, 23" Width, 3" Depth, 48U, UL Listed Universal Equipment Rack (Chatsworth 48383-X05)	826.36	163.42
For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	24.98	
27 11 16 00-0079 EA 96" Height, 23" Width, 3" Depth, 51U, UL Listed Universal Equipment Rack (Chatsworth 48383-X15)	855.53	166.02
For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	26.18	
27 11 16 00-0080 EA 102" Height, 23" Width, 3" Depth, 55U, UL Listed Universal Equipment Rack (Chatsworth 48383-X17)	881.08	168.61
For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	27.19	
27 11 16 00-0081 EA 108" Height, 23" Width, 3" Depth, 58U, UL Listed Universal Equipment Rack (Chatsworth 48383-X08)	887.35	171.21
For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	27.25	
27 11 16 00-0082 4-Post Equipment Racks And Server Frames (27 11 16 00-0022)		
27 11 16 00-0083 4-Post Equipment Racks (27 11 16 00-0082)		
27 11 16 00-0084 EA 19" Width, 29" Depth, 84" Height, 4-Post Equipment Rack (Chatsworth 50120-X03).....	1,268.73	259.39
For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	37.50	
27 11 16 00-0085 EA 19" Width, 29" Depth, 96" Height, 4-Post Equipment Rack (Chatsworth 50120-X15).....	1,380.49	269.77
For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	42.05	
27 11 16 00-0086 EA 19" Width, 29" Depth, 108" Height, 4-Post Equipment Rack (Chatsworth 50120-X08).....	1,486.13	280.15
For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	46.29	
27 11 16 00-0087 4-Post Server Frame (27 11 16 00-0082)		
27 11 16 00-0088 EA 19" Width, 29" Depth, 84" Height, Server Frame (Chatsworth 15053-X03)	1,301.72	259.39
For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	39.15	



	MINOR CSI UOM DESCRIPTION		TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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27 11 16 00-0089		Cable Managers (27 11 16 00-0021)		
27 11 16 00-0090		Horizontal Cable Managers (27 11 16 00-0089)		
27 11 16 00-0091		Single-Sided, Horizontal Cable Managers (27 11 16 00-0090)		
27 11 16 00-0092	EA	1U Height, 19" Width, 4.96" Depth, Single-Sided, Horizontal Cable Manager (Chatsworth 30139-719)	71.79	10.38
27 11 16 00-0093	EA	1U Height, 23" Width, 4.96" Depth, Single-Sided, Horizontal Cable Manager (Chatsworth 30139-723)	79.53	10.38
27 11 16 00-0094	EA	1U Height, 19" Width, 5.9" Depth, Single-Sided, Horizontal Cable Manager (Chatsworth 13930-701)	60.53	10.38
27 11 16 00-0095	EA	2U Height, 19" Width, 5.14" Depth, Single-Sided, Horizontal Cable Manager (Chatsworth 30130-719)	72.95	10.38
27 11 16 00-0096	EA	2U Height, 23" Width, 5.14" Depth, Single-Sided, Horizontal Cable Manager (Chatsworth 30130-723)	84.94	10.38
27 11 16 00-0097	EA	2U Height, 19" Width, 5.9" Depth, Single-Sided, Horizontal Cable Manager (Chatsworth 13930-702)	66.65	10.38
27 11 16 00-0098	EA	3U Height, 19" Width, 5.14" Depth, Single-Sided, Horizontal Cable Manager (Chatsworth 30131-719)	97.10	10.38
27 11 16 00-0099	EA	3U Height, 23" Width, 5.14" Depth, Single-Sided, Horizontal Cable Manager (Chatsworth 30131-723)	110.03	10.38
27 11 16 00-0100	EA	3U Height, 19" Width, 5.9" Depth, Single-Sided, Horizontal Cable Manager (Chatsworth 13930-703)	78.89	10.38
27 11 16 00-0101		Double-Sided, Horizontal Cable Managers (27 11 16 00-0091)		
27 11 16 00-0102	EA	1U Height, 19" Width, 11.73" Depth, Double-Sided, Horizontal Cable Manager (Chatsworth 30529-719)	88.29	10.38
27 11 16 00-0103	EA	1U Height, 23" Width, 11.73" Depth, Double-Sided, Horizontal Cable Manager (Chatsworth 30529-723)	98.49	10.38
27 11 16 00-0104	EA	2U Height, 19" Width, 11.73" Depth, Double-Sided, Horizontal Cable Manager (Chatsworth 30530-719)	92.71	10.38
27 11 16 00-0105	EA	2U Height, 23" Width, 11.73" Depth, Double-Sided, Horizontal Cable Manager (Chatsworth 30530-723)	107.32	10.38
27 11 16 00-0106	EA	3U Height, 19" Width, 11.73" Depth, Double-Sided, Horizontal Cable Manager (Chatsworth 30531-719)	118.90	10.38
27 11 16 00-0107	EA	3U Height, 23" Width, 11.73" Depth, Double-Sided, Horizontal Cable Manager (Chatsworth 30531-723)	132.72	10.38
27 11 16 00-0108		Vertical Cable Managers (27 11 16 00-0089)		
27 11 16 00-0109		Single-Sided, Vertical Cable Managers (27 11 16 00-0108)		
27 11 16 00-0110	EA	3.6" Width, 9.7" Depth, 70" Height, Single-Sided, Vertical Cable Manager (Chatsworth 13901-701)	158.12	15.57
27 11 16 00-0111	EA	6" Width, 9.8" Depth, 70" Height, Single-Sided, Vertical Cable Manager (Chatsworth 13902-701)	220.85	15.57
27 11 16 00-0112	EA	10" Width, 10.3" Depth, 70" Height, Single-Sided, Vertical Cable Manager (Chatsworth 13904-701)	352.43	15.57
27 11 16 00-0113	EA	12" Width, 10.4" Depth, 70" Height, Single-Sided, Vertical Cable Manager (Chatsworth 13905-701)	398.33	15.57
27 11 16 00-0114	EA	3.6" Width, 9.7" Depth, 80.5" Height, Single-Sided, Vertical Cable Manager (Chatsworth 13901-703)	168.83	15.57
27 11 16 00-0115	EA	6" Width, 9.8" Depth, 80.5" Height, Single-Sided, Vertical Cable Manager (Chatsworth 13902-703)	237.68	15.57
27 11 16 00-0116	EA	10" Width, 10.3" Depth, 80.5" Height, Single-Sided, Vertical Cable Manager (Chatsworth 13904-703)	383.03	15.57
27 11 16 00-0117	EA	12" Width, 10.4" Depth, 80.5" Height, Single-Sided, Vertical Cable Manager (Chatsworth 13905-703)	428.93	15.57
27 11 16 00-0118	EA	3.6" Width, 9.7" Depth, 91" Height, Single-Sided, Vertical Cable Manager (Chatsworth 13901-715)	190.25	15.57
27 11 16 00-0119	EA	6" Width, 9.8" Depth, 91" Height, Single-Sided, Vertical Cable Manager (Chatsworth 13902-715)	260.63	15.57
27 11 16 00-0120	EA	10" Width, 10.3" Depth, 91" Height, Single-Sided, Vertical Cable Manager (Chatsworth 13904-715)	428.93	15.57
27 11 16 00-0121	EA	12" Width, 10.4" Depth, 91" Height, Single-Sided, Vertical Cable Manager (Chatsworth 13905-715)	474.83	15.57
27 11 16 00-0122		Double-Sided, Vertical Cable Managers (27 11 16 00-0108)		
27 11 16 00-0123	EA	3.6" Width, 16.4" Depth, 70" Height, Double-Sided, Vertical Cable Manager (Chatsworth 13911-701)	226.97	15.57
27 11 16 00-0124	EA	6" Width, 16.6" Depth, 70" Height, Double-Sided, Vertical Cable Manager (Chatsworth 13912-701)	266.75	15.57
27 11 16 00-0125	EA	10" Width, 17.5" Depth, 70" Height, Double-Sided, Vertical Cable Manager (Chatsworth 13914-701)	428.93	15.57
27 11 16 00-0126	EA	12" Width, 17.8" Depth, 70" Height, Double-Sided, Vertical Cable Manager (Chatsworth 13915-701)	505.43	15.57
27 11 16 00-0127	EA	3.6" Width, 16.4" Depth, 80.5" Height, Double-Sided, Vertical Cable Manager (Chatsworth 13911-703)	245.33	15.57
27 11 16 00-0128	EA	6" Width, 16.6" Depth, 80.5" Height, Double-Sided, Vertical Cable Manager (Chatsworth 13912-703)	285.11	15.57
27 11 16 00-0129	EA	10" Width, 17.5" Depth, 80.5" Height, Double-Sided, Vertical Cable Manager (Chatsworth 13914-703)	459.53	15.57
27 11 16 00-0130	EA	12" Width, 17.8" Depth, 80.5" Height, Double-Sided, Vertical Cable Manager (Chatsworth 13915-703)	536.03	15.57
27 11 16 00-0131	EA	3.6" Width, 16.4" Depth, 91" Height, Double-Sided, Vertical Cable Manager (Chatsworth 13911-715)	269.81	15.57
27 11 16 00-0132	EA	6" Width, 16.6" Depth, 91" Height, Double-Sided, Vertical Cable Manager (Chatsworth 13912-715)	309.59	15.57
27 11 16 00-0133	EA	10" Width, 17.5" Depth, 91" Height, Double-Sided, Vertical Cable Manager (Chatsworth 13914-715)	505.43	15.57
27 11 16 00-0134	EA	12" Width, 17.8" Depth, 91" Height, Double-Sided, Vertical Cable Manager (Chatsworth 13915-715)	581.93	15.57
27 11 16 00-0135		Accessories For Vertical Cable Managers (27 11 16 00-0108)		
27 11 16 00-0136	EA	Cable Ring Kit For 3.6" Width x 70" Height, Vertical Cable Managers (Chatsworth 13934-716)	97.25	10.38
27 11 16 00-0137	EA	Cable Ring Kit For 3.6" Width x 80.5" Height, Vertical Cable Managers (Chatsworth 13934-717)	103.37	10.38
27 11 16 00-0138	EA	Cable Ring Kit For 3.6" Width x 91" Height, Vertical Cable Managers (Chatsworth 13934-718)	109.49	10.38
27 11 16 00-0139	EA	Cable Ring Kit For 6" Width x 70" Height, Vertical Cable Managers (Chatsworth 13934-726)	100.31	10.38
27 11 16 00-0140	EA	Cable Ring Kit For 6" Width x 80.5" Height, Vertical Cable Managers (Chatsworth 13934-727)	109.49	10.38
27 11 16 00-0141	EA	Cable Ring Kit For 6" Width x 91" Height, Vertical Cable Managers (Chatsworth 13934-728)	118.67	10.38
27 11 16 00-0142	EA	Cable Ring Kit For 10" Width x 70" Height, Vertical Cable Managers (Chatsworth 13934-746)	112.55	10.38
27 11 16 00-0143	EA	Cable Ring Kit For 10" Width x 80.5" Height, Vertical Cable Managers (Chatsworth 13934-747)	121.73	10.38
27 11 16 00-0144	EA	Cable Ring Kit For 10" Width x 91" Height, Vertical Cable Managers (Chatsworth 13934-748)	130.91	10.38
27 11 16 00-0145	EA	Cable Ring Kit For 12" Width x 70" Height, Vertical Cable Managers (Chatsworth 13934-756)	118.67	10.38
27 11 16 00-0146	EA	Cable Ring Kit For 12" Width x 80.5" Height, Vertical Cable Managers (Chatsworth 13934-757)	130.91	10.38
27 11 16 00-0147	EA	Cable Ring Kit For 12" Width x 91" Height, Vertical Cable Managers (Chatsworth 13934-758)	140.09	10.38
27 11 16 00-0148	EA	Cable Lashing Bar Kit For Vertical Cable Managers (Chatsworth 13928-001)	81.95	10.38
27 11 16 00-0149	EA	Cable Spool Kit For Vertical Cable Managers (Chatsworth 13935-701)	94.19	10.38
27 11 16 00-0150	EA	Cable Distribution Spools For Vertical Cable Managers (Chatsworth 15008-001)	98.32	10.38
27 11 16 00-0151	EA	Cable Distribution Spool Spacer Kit For Vertical Cable Managers (Chatsworth 35505-001)	63.59	10.38

27 11 19 Communications Termination Blocks And Patch Panels (27 11)

Note: The terminating, testing, and labeling of the cables in question should be done according to the task description as well as the current contract specifications. See CSI section 27 14 43 00-0074 for labeling.

27 11 19 00-0001 Computer Network Components (27 11 19)

27	Communications
27 10	Structured Cabling
27 11	Communications Equipment Room Fittings



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 11 19 00-0002 Ethernet Patch Panels <small>(27 11 19 00-0001)</small>		
27 11 19 00-0003 EA 12 Port, Category 5E Patch Panel.....	194.36	51.88
27 11 19 00-0004 EA 24 Port, Category 5E Patch Panel.....	271.65	51.88
27 11 19 00-0005 EA 32 Port, Category 5E Patch Panel.....	344.79	51.88
27 11 19 00-0006 EA 48 Port, Category 5E Patch Panel.....	412.95	51.88
27 11 19 00-0007 EA 64 Port, Category 5E Patch Panel.....	566.11	64.85
27 11 19 00-0008 EA 96 Port, Category 5E Patch Panel.....	750.74	77.82
27 11 19 00-0009 EA 12 Port, Category 6 Patch Panel.....	228.43	51.88
27 11 19 00-0010 EA 24 Port, Category 6 Patch Panel.....	276.64	51.88
27 11 19 00-0011 EA 48 Port, Category 6 Patch Panel.....	449.52	51.88
27 11 19 00-0012 EA 96 Port, Category 6 Patch Panel.....	820.56	77.82
27 11 19 00-0013 EA Up To 5 Cables, Terminate One End Of A 4 Pair Cable To Category "X" Specifications.....	36.77	
27 11 19 00-0014 EA >5 To 10 Cables, Terminate One End Of A 4 Pair Cable To Category "X" Specifications.....	30.63	
27 11 19 00-0015 EA >10 Cables, Terminate One End Of A 4 Pair Cable To Category "X" Specifications.....	18.38	
27 11 19 00-0016 EA Up To 20 Pairs, Terminate One End Of A Twisted Pair Of Wires.....	10.11	
27 11 19 00-0017 EA >20 To 40 Pairs, Terminate One End Of A Twisted Pair Of Wires.....	8.43	
27 11 19 00-0018 EA >40 Pairs, Terminate One End Of A Twisted Pair Of Wires.....	5.05	
27 11 19 00-0019 Fiber Optic Cable Patch Panels And Enclosures <small>(27 11 19 00-0001)</small>		
27 11 19 00-0020 Fiber Optic Cable Connector Housings <small>(27 11 19 00-0019)</small>		
27 11 19 00-0021 Wall Mount, Fiber Optic Cable Connector Housings <small>(27 11 19 00-0020)</small>		
Note: Includes mounting hardware. Excludes connector panels. See CSI section 27 11 19 00-0049 for connector panels.		
27 11 19 00-0022 EA 1-Panel Capacity, Wall Mount, Fiber Optic Cable Connector Housing.....	102.23	23.34
27 11 19 00-0023 EA 2-Panel Capacity, Wall Mount, Fiber Optic Cable Connector Housing.....	145.46	23.34
27 11 19 00-0024 EA 4-Panel Capacity, Wall Mount, Fiber Optic Cable Connector Housing.....	209.42	23.34
27 11 19 00-0025 EA 6-Panel Capacity, Wall Mount, Fiber Optic Cable Connector Housing.....	311.77	38.91
27 11 19 00-0026 EA 12-Panel Capacity, Wall Mount, Fiber Optic Cable Connector Housing.....	425.63	38.91
27 11 19 00-0027 Rack Mount, Fiber Optic Cable Connector Housings <small>(27 11 19 00-0020)</small>		
Note: Includes mounting hardware. Excludes connector panels. See CSI section 27 11 19 00-0049 for connector panels.		
27 11 19 00-0028 EA 2-Panel Capacity, Rack Mount, Fiber Optic Cable Connector Housing.....	323.44	38.91
27 11 19 00-0029 EA 4-Panel Capacity, Rack Mount, Fiber Optic Cable Connector Housing.....	366.85	38.91
27 11 19 00-0030 EA 6-Panel Capacity, Rack Mount, Fiber Optic Cable Connector Housing.....	393.41	38.91
27 11 19 00-0031 EA 12-Panel Capacity, Rack Mount, Fiber Optic Cable Connector Housing.....	457.57	38.91
27 11 19 00-0032 Rack Mount, Fiber Optic Cable Pretium® Connector Housings <small>(27 11 19 00-0020)</small>		
Note: Includes mounting hardware. Excludes connector panels. See CSI section 27 11 19 00-0049 for connector panels.		
27 11 19 00-0033 EA 2-Panel Capacity, Rack Mount, Fiber Optic Cable Pretium® Connector Housing.....	397.85	38.91
For Splice Tray Bracket, Add	40.16	
27 11 19 00-0034 EA 4-Panel Capacity, Rack Mount, Fiber Optic Cable Pretium® Connector Housing.....	462.42	38.91
For Splice Tray Bracket, Add	43.92	
27 11 19 00-0035 EA 12-Panel Capacity, Rack Mount, Fiber Optic Cable Pretium® Connector Housing.....	571.26	38.91
For Splice Tray Bracket, Add	160.00	
27 11 19 00-0036 Rack Mount, Fiber Optic Cable Pretium Edge® Connector Housings <small>(27 11 19 00-0020)</small>		
Note: Includes mounting hardware. Excludes connector panels. See CSI section 27 11 19 00-0049 for connector panels.		
27 11 19 00-0037 EA 8 Pretium Edge® Module Or Panel Capacity, Rack Mount, Fiber Optic Cable Pretium Edge® Connector Housing.....	499.15	38.91
27 11 19 00-0038 EA 12 Pretium Edge® Module Or Panel Capacity, Rack Mount, Fiber Optic Cable Pretium Edge® Connector Housing.....	632.31	38.91
27 11 19 00-0039 EA 24 Pretium Edge® Module Or Panel Capacity, Rack Mount, Fiber Optic Cable Pretium Edge® Connector Housing.....	713.03	38.91
27 11 19 00-0040 EA 48 Pretium Edge® Module Or Panel Capacity, Rack Mount, Fiber Optic Cable Pretium Edge® Connector Housing.....	918.89	38.91
27 11 19 00-0041 Wall Mount, Fiber Optic Cable Industrial Connector Housings <small>(27 11 19 00-0020)</small>		
Note: Includes powder-coat finish, pad lockable outer door and mounting hardware. Excludes connector panels. See CSI section 27 11 19 00-0049 for connector panels.		
27 11 19 00-0042 EA 2-Panel Capacity, Wall Mount, Fiber Optic Cable Industrial Connector Housing.....	439.45	23.34
27 11 19 00-0043 EA 6-Panel Capacity, Wall Mount, Fiber Optic Cable Industrial Connector Housing.....	611.50	38.91
27 11 19 00-0044 EA 12-Panel Capacity, Wall Mount, Fiber Optic Cable Industrial Connector Housing.....	640.65	38.91
27 11 19 00-0045 Wall Mount, Fiber Optic Cable Environmental Connector Housings <small>(27 11 19 00-0020)</small>		
Note: Includes NEMA 4X enclosure, pad lockable outer door and mounting hardware. Excludes connector panels. See CSI section 27 11 19 00-0049 for connector panels.		
27 11 19 00-0046 EA 2-Panel Capacity, Wall Mount, Fiber Optic Cable Environmental Connector Housing.....	459.60	23.34
27 11 19 00-0047 EA 6-Panel Capacity, Wall Mount, Fiber Optic Cable Environmental Connector Housing.....	611.14	38.91
27 11 19 00-0048 EA 12-Panel Capacity, Wall Mount, Fiber Optic Cable Environmental Connector Housing.....	714.29	38.91
27 11 19 00-0049 Fiber Optic Cable Connector Panels <small>(27 11 19 00-0019)</small>		
27 11 19 00-0050 SC Simplex, Fiber Optic Cable Connector Panels <small>(27 11 19 00-0049)</small>		



Communications	27	27
Structured Cabling	27 10	
Communications Equipment Room Fittings	27 11	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 11 19 00-0051 EA 6-Fiber, Multimode, SC Simplex, Fiber Optic Cable Connector Panel.....	61.57	5.19
27 11 19 00-0052 EA 6-Fiber, Singlemode, SC Simplex, Fiber Optic Cable Connector Panel.....	66.57	5.19
27 11 19 00-0053 EA 8-Fiber, Multimode, SC Simplex, Fiber Optic Cable Connector Panel.....	74.34	5.19
27 11 19 00-0054 EA 8-Fiber, Singlemode, SC Simplex, Fiber Optic Cable Connector Panel.....	81.01	5.19
27 11 19 00-0055 EA 12-Fiber, Multimode, SC Simplex, Fiber Optic Cable Connector Panel.....	99.90	5.19
27 11 19 00-0056 EA 12-Fiber, Singlemode, SC Simplex, Fiber Optic Cable Connector Panel.....	109.88	5.19
27 11 19 00-0057 SC Duplex, Fiber Optic Cable Connector Panels (27 11 19 00-0049)		
27 11 19 00-0058 EA 6-Fiber, Multimode, SC Duplex, Fiber Optic Cable Connector Panel.....	59.35	5.19
27 11 19 00-0059 EA 6-Fiber, Singlemode, SC Duplex, Fiber Optic Cable Connector Panel.....	60.53	5.19
27 11 19 00-0060 EA 8-Fiber, Multimode, SC Duplex, Fiber Optic Cable Connector Panel.....	71.41	5.19
27 11 19 00-0061 EA 8-Fiber, Singlemode, SC Duplex, Fiber Optic Cable Connector Panel.....	72.97	5.19
27 11 19 00-0062 EA 12-Fiber, Multimode, SC Duplex, Fiber Optic Cable Connector Panel.....	95.50	5.19
27 11 19 00-0063 EA 12-Fiber, Singlemode, SC Duplex, Fiber Optic Cable Connector Panel.....	97.83	5.19
27 11 19 00-0064 LC Duplex, Fiber Optic Cable Connector Panels (27 11 19 00-0049)		
27 11 19 00-0065 EA 6-Fiber, Multimode, LC Duplex, Fiber Optic Cable Connector Panel.....	63.87	5.19
27 11 19 00-0066 EA 6-Fiber, Singlemode, LC Duplex, Fiber Optic Cable Connector Panel.....	69.76	5.19
27 11 19 00-0067 EA 8-Fiber, Multimode, LC Duplex, Fiber Optic Cable Connector Panel.....	77.40	5.19
27 11 19 00-0068 EA 8-Fiber, Singlemode, LC Duplex, Fiber Optic Cable Connector Panel.....	85.27	5.19
27 11 19 00-0069 EA 12-Fiber, Multimode, LC Duplex, Fiber Optic Cable Connector Panel.....	104.51	5.19
27 11 19 00-0070 EA 12-Fiber, Singlemode, LC Duplex, Fiber Optic Cable Connector Panel.....	116.29	5.19
27 11 19 00-0071 EA 16-Fiber, Multimode, LC Duplex, Fiber Optic Cable Connector Panel.....	131.60	5.19
27 11 19 00-0072 EA 16-Fiber, Singlemode, LC Duplex, Fiber Optic Cable Connector Panel.....	147.30	5.19
27 11 19 00-0073 EA 24-Fiber, Multimode, LC Duplex, Fiber Optic Cable Connector Panel.....	185.77	5.19
27 11 19 00-0074 EA 24-Fiber, Singlemode, LC Duplex, Fiber Optic Cable Connector Panel.....	191.25	5.19
27 11 19 00-0075 ST Simplex, Fiber Optic Cable Connector Panels (27 11 19 00-0049)		
27 11 19 00-0076 EA 6-Fiber, Multimode, ST Simplex, Fiber Optic Cable Connector Panel.....	51.66	5.19
27 11 19 00-0077 EA 6-Fiber, Singlemode, ST Simplex, Fiber Optic Cable Connector Panel.....	55.44	5.19
27 11 19 00-0078 EA 8-Fiber, Multimode, ST Simplex, Fiber Optic Cable Connector Panel.....	61.13	5.19
27 11 19 00-0079 EA 8-Fiber, Singlemode, ST Simplex, Fiber Optic Cable Connector Panel.....	66.18	5.19
27 11 19 00-0080 EA 12-Fiber, Multimode, ST Simplex, Fiber Optic Cable Connector Panel.....	80.07	5.19
27 11 19 00-0081 EA 12-Fiber, Singlemode, ST Simplex, Fiber Optic Cable Connector Panel.....	87.66	5.19
27 11 19 00-0082 MT-RJ, Fiber Optic Cable Connector Panels (27 11 19 00-0049)		
27 11 19 00-0083 EA 12-Fiber, Multimode, MT-RJ, Fiber Optic Cable Connector Panel.....	63.52	5.19
27 11 19 00-0084 EA 12-Fiber, Singlemode, MT-RJ, Fiber Optic Cable Connector Panel.....	93.62	5.19
27 11 19 00-0085 Fiber Optic Cable Pretium Edge® Modules (27 11 19 00-0049)		
27 11 19 00-0086 EA 12-Fiber, Singlemode, LC Duplex To MTP, Fiber Optic Cable Pretium Edge® Module.....	525.13	5.19
27 11 19 00-0087 EA 12-Fiber, Multimode, LC Duplex To MTP, Fiber Optic Cable Pretium Edge® Module.....	526.94	5.19
27 11 19 00-0088 Fiber Optic Cable Splice Housings (27 11 19 00-0019)		
27 11 19 00-0089 Wall Mount, Fiber Optic Cable Splice Housings (27 11 19 00-0088)		
Note: Includes mounting hardware. Excludes splice trays.		
27 11 19 00-0090 EA 12 Splice Tray Capacity, Wall Mount, Fiber Optic Splice Housing With Locking Door.....	237.85	51.88
27 11 19 00-0091 Rack Mount, Fiber Optic Cable Splice Housings (27 11 19 00-0088)		
Note: Includes mounting hardware. Excludes splice trays.		
27 11 19 00-0092 EA 12 Splice Tray Capacity, Rack Mount, Fiber Optic Cable Splice Housing.....	334.70	38.91
27 11 19 00-0093 EA 22 Splice Tray Capacity, Rack Mount, Fiber Optic Cable Splice Housing.....	339.40	38.91
27 11 19 00-0094 Fiber Optic Cable Splice Trays (27 11 19 00-0088)		
27 11 19 00-0095 EA Fiber Optic Cable Splice Tray.....	66.97	12.97
27 11 19 00-0096 Fiber Optic Cable Jumper Management Panels (27 11 19 00-0019)		
Note: Includes mounting hardware.		
27 11 19 00-0097 EA Rack Mount, Fiber Optic Cable Jumper Management Panel.....	137.77	38.91
27 11 19 00-0098 Miscellaneous Accessories (27 11 19 00-0001)		
27 11 19 00-0099 EA Wall Mount Bracket For 12 Or 24 Port Patch Panel.....	50.26	
27 11 19 00-0100 EA Wall Mount Bracket For 32 Or 48 Port Patch Panel.....	65.99	
27 11 19 00-0101 EA Wall Mount Bracket For 64 Or 72 Port Patch Panel.....	72.70	
27 11 19 00-0102 EA Wall Mount Bracket For 96 Port Patch Panel.....	81.30	
27 11 19 00-0103 EA Lightning Protection Plus Stainless Steel Modules, Siemon.....	307.57	51.88
27 11 19 00-0104 Telephone Components (27 11 19)		

27	Communications
27 10	Structured Cabling
27 11	Communications Equipment Room Fittings



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 11 19 00-0105	Terminal Blocks With Wide Range Of 22-8 AWG (27 11 19 00-0104)	
27 11 19 00-0106 EA Terminal Block, Circuit Isolation Switch With Wire Range 22-8 AWG.....	27.03	10.39
27 11 19 00-0107 EA Terminal Block, Fuse Holder 600 Volt, 6.3 Amp With Wire Range 22-8 AWG.....	43.75	10.39
27 11 19 00-0108 EA Terminal Block, Fuse Holder 600 Volt, 10 Amp With Wire Range 22-8 AWG.....	36.91	10.39
27 11 19 00-0109 EA Terminal Block, Solderless Box With Lugs And Wire Range 22-8 AWG.....	22.14	10.39
27 11 19 00-0110 EA Flat Terminal Block Connection With Wire Range 22-8 AWG.....	15.80	7.27
27 11 19 00-0111 EA Ground Terminal Block With Wire Range 22-8 AWG.....	27.75	10.39
27 11 19 00-0112 EA Terminal Block, Solderless Box With Lug 600 Volt, 60 Amp With Wire Range 22-8 AWG.....	22.14	10.39
27 11 19 00-0113 EA Terminal Block, Mini Box Lug 300 Volt, 30 Amp With Wire Range 22-8 AWG.....	15.70	7.27
27 11 19 00-0114 EA Flat Terminal Block Connection 300 Volt, 20 Amp With Wire Range 22-8 AWG.....	15.62	7.27
27 11 19 00-0115 EA Self Lifting Terminal Block, 300 Volt, 40 Amp Wire Connection With Wire Range 22-12 AWG.....	15.96	7.27

27 11 19 00-0116	Terminal Block Mounting Channel (27 11 19 00-0104)	
27 11 19 00-0117 EA Terminal Block Mounting Channel, .5 M Galvanized Steel.....	14.04	5.20
27 11 19 00-0118 EA Terminal Block Mounting Channel, 1 M Galvanized Steel.....	17.06	5.20
27 11 19 00-0119 EA Terminal Block Mounting Channel, 2 M Galvanized Steel.....	22.22	5.20
27 11 19 00-0120 EA Terminal Block Mounting Channel, .5 M Bi-Chrome Zinc.....	17.39	6.23
27 11 19 00-0121 EA Terminal Block Mounting Channel, 1 M Bi-Chrome Zinc.....	22.33	6.23
27 11 19 00-0122 EA Terminal Block Mounting Channel, 2 M Bi-Chrome Zinc.....	30.19	6.23

27 11 19 00-0123	Outlet Termination Hardware (27 11 19 00-0104)	
27 11 19 00-0124 EA Telephone Outlet Blocks.....	23.10	5.20
27 11 19 00-0125 EA Phone Outlet Block For Floor Box.....	84.27	39.43
Note: Excludes box.		
27 11 19 00-0126 EA Fiber Optic "SC" Type Modular Bulkhead.....	64.82	23.34
27 11 19 00-0127 EA Fiber Optic "ST" Type Modular Bulkhead.....	64.82	23.34
27 11 19 00-0128 EA Type "F" Coaxial Connector Male.....	39.44	15.57
27 11 19 00-0129 EA Modular Plate For 3-RJ-45, 4 - "SC" And 1 -"F" Connector.....	90.40	25.94
27 11 19 00-0130 EA Modular Plate For 3-RJ-45, 4 - "ST" And 1 -"F" Connector.....	90.40	25.94
27 11 19 00-0131 EA Access Floor Box With 3-RJ-45, 4 - "SC" And 1 -"F" Connector.....	104.75	25.94
27 11 19 00-0132 EA Access Floor Box With 3-RJ-45, 4 - "ST" And 1 -"F" Connector.....	104.75	25.94
27 11 19 00-0133 EA Access Floor Box With 2-RJ-45, 4 - "SC" And 1 -25 Pin Connector.....	97.20	25.94
27 11 19 00-0134 EA Terminal Type - Punch Down Block 110 Type - 300 Pair Category 5.....	766.99	129.70
27 11 19 00-0135 EA Wiring (Punch Down) Block with Stand-Off Legs, 100 Pair, Category V.....	43.64	10.38
Note: Excludes cable terminations.		
27 11 19 00-0136 EA Connecting Block, 5-Pair.....	2.80	1.04
27 11 19 00-0137 EA Connecting Block, 4-Pair.....	2.74	1.04
27 11 19 00-0138 EA Plastic Label Holder, Transparent.....	11.56	2.59
27 11 19 00-0139 EA Marked Label, White, 5-Pair.....	3.33	
27 11 19 00-0140 EA Marked Label, Blue, 4-Pair.....	3.33	

27 11 19 00-0141	Terminations in Manhole or Junction Box (27 11 19 00-0104)	
27 11 19 00-0142 EA 25 Pair Cable Termination In Manhole Or Junction Box.....	166.02	
27 11 19 00-0143 EA 50 Pair Cable Termination In Manhole Or Junction Box.....	332.03	
27 11 19 00-0144 EA 100 Pair Cable Termination In Manhole Or Junction Box.....	664.06	
27 11 19 00-0145 EA 150 Pair Cable Termination In Manhole Or Junction Box.....	996.09	
27 11 19 00-0146 EA 200 Pair Cable Termination In Manhole Or Junction Box.....	1,165.21	
27 11 19 00-0147 EA 300 Pair Cable Termination In Manhole Or Junction Box.....	1,747.30	
27 11 19 00-0148 EA 400 Pair Cable Termination In Manhole Or Junction Box.....	2,197.62	
27 11 19 00-0149 EA 500 Pair Cable Termination In Manhole Or Junction Box.....	2,747.54	
27 11 19 00-0150 EA 750 Pair Cable Termination In Manhole Or Junction Box.....	4,121.29	
27 11 19 00-0151 EA 1,000 Pair Cable Termination In Manhole Or Junction Box.....	4,998.02	
27 11 19 00-0152 EA 1,200 Pair Cable Termination In Manhole Or Junction Box.....	5,696.41	

27 11 23 Communications Cable Management and Ladder Rack (27 11)

27 11 23 00-0001	Equipment Supports (27 11 23)	
27 11 23 00-0002 EA 110 Jumper Trough (Commscope 107831133).....	28.05	5.19
27 11 23 00-0003 LF Velcro CMP.....	2.41	1.04
27 11 23 00-0004 EA 12" x 5'-11" Tubular Runway.....	81.77	24.90
27 11 23 00-0005 EA 12" x 9'-11" Tubular Runway.....	141.23	41.50
27 11 23 00-0006 EA Shelf Bracket Support For Tubular Runway.....	26.06	7.78
27 11 23 00-0007 EA Straight Clamp Hardware For Tubular Runway.....	12.55	5.19
27 11 23 00-0008 EA Corner Clamp Hardware For Tubular Runway.....	13.09	5.19
27 11 23 00-0009 EA 90 Degree Edge Clamp Hardware For Tubular Runway.....	28.09	9.34
27 11 23 00-0010 EA Wall Angle Assembly Hardware For 12" Wide Tubular Runway.....	56.57	15.57
27 11 23 00-0011 EA J-Bolt Hardware For Tubular Runway.....	5.71	2.28
27 11 23 00-0012 EA T Bracket Hardware For Tubular Runway.....	30.85	12.97

27 14 Communications Cabling (27 10)

27 14 13 Communications Copper Cabling (27 14)

27 14 13 13 Communications Copper Cable Splicing and Terminations (27 14 13)



Communications		27
Structured Cabling		27 10
Communications Cabling		27 14

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 14 13 13-0001 Modular Plugs For Copper Communications Cable <small>(27 14 13 13)</small>		
27 14 13 13-0002 EA Modular Plug For Non-Shielded Copper Communications Cable.....	22.81	
Note: Up to 8-position/8-contact non-shielded modular plug for solid or stranded wire. Includes termination.		
For >5 To 10, Deduct	-3.11	
For >10, Deduct	-6.21	
27 14 13 13-0003 EA Modular Plug For Shielded Copper Communications Cable.....	25.84	
Note: Up to 8-position/8-contact shielded modular plug for solid or stranded wire. Includes termination.		
For >5 To 10, Deduct	-3.50	
For >10, Deduct	-6.99	
27 14 13 13-0004 Communications Termination Blocks <small>(27 14 13 13)</small>		
27 14 13 13-0005 EA 100-Pair, 110 Block With Legs.....	41.57	12.97
27 14 13 13-0006 EA 300-Pair, 110 Block With Legs.....	62.71	12.97
27 14 13 13-0007 EA Clear Label Holder For 110 Wiring Block.....	12.54	5.19
27 14 13 13-0008 EA 4-Pair, 110C Connecting Block.....	5.84	2.59
27 14 13 13-0009 EA 5-Pair, 110C Connecting Block.....	5.94	2.59
27 14 13 13-0010 EA 100-Pair, 110 Jack Panel System.....	171.50	15.57
Note: Includes twelve 8-pin modular jacks and mounting legs.		
27 14 13 13-0011 EA 300-Pair, 110 Jack Panel System.....	428.14	15.57
Note: Includes twelve 8-pin modular jacks and mounting legs.		
27 14 13 13-0012 Testing And Certification Of Copper Communications Cable <small>(27 14 13 13)</small>		
Note: Use for existing systems.		
27 14 13 13-0013 PR Test 1-Pair Of A Copper Communications Cable For Continuity	5.19	
For >25-Pair, Deduct	-2.07	
27 14 13 13-0014 PR Certify 1-Pair Of A Copper Communications Cable.....	7.78	
For >25-Pair, Deduct	-3.11	
27 14 13 13-0015 PR Certify And Document 1-Pair Of A Copper Communications Cable	12.45	
For >25-Pair, Deduct	-4.97	
27 14 13 13-0016 PR Test 4-Pair Cat 5-7 Telecommunications Cable For Continuity	20.75	
For >25-Pair, Deduct	-8.28	
27 14 13 13-0017 PR Certify 4-Pair Cat 5-7 Telecommunications Cable	31.13	
For >25-Pair, Deduct	-12.43	
27 14 13 13-0018 PR Certify And Document 4-Pair Cat 5-7 Telecommunications Cable	49.81	
For >25-Pair, Deduct	-19.89	
27 14 13 13-0019 Building Entrance Terminals <small>(27 14 13 13)</small>		
27 14 13 13-0020 EA 25 Pair Gas Protective Unit Assembly Complete With Gas Protector.....	1,484.21	227.66
27 14 13 13-0021 EA 50 Pair Gas Protective Unit Assembly Complete With Gas Protector.....	2,056.39	379.43
27 14 13 13-0022 EA 100 Pair Gas Protective Unit Assembly Complete With Gas Protector.....	2,986.87	607.56
27 14 13 16 Communications Copper Cabling <small>(27 14 13)</small>		
27 14 13 16-0001 Copper Telecommunications Cable <small>(27 14 13 16)</small>		
27 14 13 16-0002 Indoor Telecommunications Cable <small>(27 14 13 16-0001)</small>		
Note: Telecommunications cable installed in conduit includes pull wires and installation in conduit, innerduct, wiremold, etc. Telecommunications cable installed exposed includes installation on exposed surfaces, uncovered wireways, cable trays, etc. Shielded twisted pair cables (STP) include a metallic foil wrap. Un-shielded twisted pair cables (UTP) exclude any shielding.		
27 14 13 16-0003 Category 3, Indoor Telecommunications Cable <small>(27 14 13 16-0002)</small>		
Note: Un-shielded twisted pair cables (UTP).		
27 14 13 16-0004 Category 3, Indoor Telecommunications Riser Cable <small>(27 14 13 16-0003)</small>		
27 14 13 16-0005 24 AWG, Category 3, Indoor Telecommunications Riser Cable <small>(27 14 13 16-0004)</small>		
27 14 13 16-0006 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit <small>(27 14 13 16-0005)</small>		
27 14 13 16-0007 MLF 2-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit	807.17	435.79
27 14 13 16-0008 MLF 3-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit	841.57	435.79
27 14 13 16-0009 MLF 4-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit	853.61	435.79
27 14 13 16-0010 MLF 6-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit	1,026.17	498.04
27 14 13 16-0011 MLF 12-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit	1,279.04	498.04
27 14 13 16-0012 MLF 25-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit	1,681.56	498.04
27 14 13 16-0013 MLF 50-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit	2,649.40	622.55
27 14 13 16-0014 MLF 100-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit	4,765.08	996.09
27 14 13 16-0015 MLF 150-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit	6,410.65	1,120.59
27 14 13 16-0016 MLF 200-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit	8,474.23	1,245.11
27 14 13 16-0017 MLF 300-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit	12,379.99	1,743.16
27 14 13 16-0018 MLF 400-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit	16,202.42	2,154.04
27 14 13 16-0019 MLF 600-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit	25,156.39	2,988.26
27 14 13 16-0020 MLF 900-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit	41,102.97	5,976.52
27 14 13 16-0021 MLF 1,200-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit	56,060.44	8,964.79
27 14 13 16-0022 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed <small>(27 14 13 16-0005)</small>		

27	Communications
27 10	Structured Cabling
27 14	Communications Cabling



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 14 13 16-0023 MLF 2-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed.....	1,533.48	871.58
27 14 13 16-0024 MLF 3-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed.....	1,567.88	871.58
27 14 13 16-0025 MLF 4-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed.....	1,579.92	871.58
27 14 13 16-0026 MLF 6-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed.....	1,648.73	871.58
27 14 13 16-0027 MLF 12-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed.....	1,901.60	871.58
27 14 13 16-0028 MLF 25-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed.....	2,511.64	996.09
27 14 13 16-0029 MLF 50-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed.....	3,686.99	1,245.11
27 14 13 16-0030 MLF 100-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed.....	5,595.15	1,494.13
27 14 13 16-0031 MLF 150-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed.....	7,344.49	1,680.89
27 14 13 16-0032 MLF 200-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed.....	9,511.82	1,867.66
27 14 13 16-0033 MLF 300-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed.....	13,832.62	2,614.72
27 14 13 16-0034 MLF 400-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed.....	18,007.82	3,237.29
27 14 13 16-0035 MLF 600-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed.....	27,646.61	4,482.39
27 14 13 16-0036 MLF 900-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed.....	46,083.41	8,964.79
27 14 13 16-0037 MLF 1,200-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed.....	63,531.10	13,447.18
27 14 13 16-0038 22 AWG, Category 3, Indoor Telecommunications Riser Cable (27 14 13 16-0004)		
27 14 13 16-0039 22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit (27 14 13 16-0038)		
27 14 13 16-0040 MLF 25-Pair 22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit.....	2,642.62	498.04
27 14 13 16-0041 MLF 50-Pair 22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit.....	3,914.93	622.55
27 14 13 16-0042 MLF 100-Pair 22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit.....	7,124.47	996.09
27 14 13 16-0043 MLF 200-Pair 22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit.....	12,560.69	1,245.11
27 14 13 16-0044 MLF 300-Pair 22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit.....	18,551.98	1,743.16
27 14 13 16-0045 MLF 400-Pair 22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit.....	24,143.74	2,154.04
27 14 13 16-0046 MLF 600-Pair 22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit.....	35,581.19	2,988.26
27 14 13 16-0047 22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed (27 14 13 16-0038)		
27 14 13 16-0048 MLF 25-Pair 22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed.....	3,472.70	996.09
27 14 13 16-0049 MLF 50-Pair 22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed.....	4,952.52	1,245.11
27 14 13 16-0050 MLF 100-Pair 22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed.....	7,954.54	1,494.13
27 14 13 16-0051 MLF 200-Pair 22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed.....	13,598.28	1,867.66
27 14 13 16-0052 MLF 300-Pair 22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed.....	20,004.61	2,614.72
27 14 13 16-0053 MLF 400-Pair 22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed.....	25,949.14	3,237.29
27 14 13 16-0054 MLF 600-Pair 22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed.....	38,071.41	4,482.39
27 14 13 16-0055 Category 3, Indoor Telecommunications Plenum Cable (27 14 13 16-0003)		
27 14 13 16-0056 24 AWG, Category 3, Indoor Telecommunications Plenum Cable (27 14 13 16-0055)		
27 14 13 16-0057 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed In Conduit (27 14 13 16-0056)		
27 14 13 16-0058 MLF 2-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed In Conduit.....	829.54	435.79
27 14 13 16-0059 MLF 3-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed In Conduit.....	863.93	435.79
27 14 13 16-0060 MLF 4-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed In Conduit.....	888.02	435.79
27 14 13 16-0061 MLF 6-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed In Conduit.....	1,062.30	498.04
27 14 13 16-0062 MLF 12-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed In Conduit.....	1,325.48	498.04
27 14 13 16-0063 MLF 25-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed In Conduit.....	2,042.79	498.04
27 14 13 16-0064 MLF 50-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed In Conduit.....	3,373.60	622.55
27 14 13 16-0065 MLF 100-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed In Conduit.....	6,333.87	996.09
27 14 13 16-0066 MLF 200-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed In Conduit.....	10,865.29	1,245.11
27 14 13 16-0067 MLF 300-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed In Conduit.....	16,258.98	1,743.16
27 14 13 16-0068 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed Exposed (27 14 13 16-0056)		
27 14 13 16-0069 MLF 2-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed Exposed.....	1,555.85	871.58
27 14 13 16-0070 MLF 3-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed Exposed.....	1,590.24	871.58
27 14 13 16-0071 MLF 4-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed Exposed.....	1,614.33	871.58
27 14 13 16-0072 MLF 6-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed Exposed.....	1,684.86	871.58
27 14 13 16-0073 MLF 12-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed Exposed.....	1,948.04	871.58
27 14 13 16-0074 MLF 25-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed Exposed.....	2,872.87	996.09
27 14 13 16-0075 MLF 50-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed Exposed.....	4,411.19	1,245.11
27 14 13 16-0076 MLF 100-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed Exposed.....	7,163.94	1,494.13
27 14 13 16-0077 MLF 200-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed Exposed.....	11,902.88	1,867.66
27 14 13 16-0078 MLF 300-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed Exposed.....	17,711.61	2,614.72
27 14 13 16-0079 Category 5E, Indoor Telecommunications Cable (27 14 13 16-0002)		
27 14 13 16-0080 Category 5E, Indoor Telecommunications Riser Cable (27 14 13 16-0079)		
27 14 13 16-0081 Category 5E, Indoor Telecommunications Riser Cable, Installed In Conduit (27 14 13 16-0080)		
27 14 13 16-0082 MLF 4-Pair Solid UTP, 24 AWG, Category 5E, Indoor Telecommunications Riser Cable, Installed In Conduit.....	915.54	435.79
27 14 13 16-0083 MLF 4-Pair Stranded UTP, 24 AWG, Category 5E, Indoor Telecommunications Riser Cable, Installed In Conduit.....	959.98	435.79



Communications	27	27
Structured Cabling	27 10	
Communications Cabling	27 14	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 14 13 16-0084 MLF 4-Pair Solid STP, 24 AWG, Category 5E, Indoor Telecommunications Riser Cable, Installed In Conduit.....	1,064.60	498.04
27 14 13 16-0085 MLF 4-Pair Stranded STP, 24 AWG, Category 5E, Indoor Telecommunications Riser Cable, Installed In Conduit	1,109.31	498.04
27 14 13 16-0086 Category 5E, Indoor Telecommunications Riser Cable, Installed Exposed (27		
14 13 16-0080)		
27 14 13 16-0087 MLF 4-Pair Solid UTP, 24 AWG, Category 5E, Indoor Telecommunications Riser Cable, Installed Exposed	1,641.85	871.58
27 14 13 16-0088 MLF 4-Pair Stranded UTP, 24 AWG, Category 5E, Indoor Telecommunications Riser Cable, Installed Exposed	1,686.29	871.58
27 14 13 16-0089 MLF 4-Pair Solid STP, 24 AWG, Category 5E, Indoor Telecommunications Riser Cable, Installed Exposed	1,894.68	996.09
27 14 13 16-0090 MLF 4-Pair Stranded STP, 24 AWG, Category 5E, Indoor Telecommunications Riser Cable, Installed Exposed.....	1,939.39	996.09
27 14 13 16-0091 Category 5E, Indoor Telecommunications Plenum Cable (27 14 13 16-0079)		
27 14 13 16-0092 Category 5E, Indoor Telecommunications Plenum Cable, Installed In		
Conduit (27 14 13 16-0091)		
27 14 13 16-0093 MLF 4-Pair Solid UTP, 24 AWG, Category 5E, Indoor Telecommunications Plenum Cable, Installed In Conduit.....	1,063.47	435.79
27 14 13 16-0094 MLF 4-Pair Solid STP, 24 AWG, Category 5E, Indoor Telecommunications Plenum Cable, Installed In Conduit	1,498.51	498.04
27 14 13 16-0095 Category 5E, Indoor Telecommunications Plenum Cable, Installed Exposed		
(27 14 13 16-0091)		
27 14 13 16-0096 MLF 4-Pair Solid UTP, 24 AWG, Category 5E, Indoor Telecommunications Plenum Cable, Installed Exposed	1,789.78	871.58
27 14 13 16-0097 MLF 4-Pair Solid STP, 24 AWG, Category 5E, Indoor Telecommunications Plenum Cable, Installed Exposed	2,328.59	996.09
27 14 13 16-0098 Category 6, Indoor Telecommunications Cable (27 14 13 16-0002)		
27 14 13 16-0099 Category 6, Indoor Telecommunications Riser Cable (27 14 13 16-0098)		
27 14 13 16-0100 Category 6, Indoor Telecommunications Riser Cable, Installed In Conduit (27		
14 13 16-0099)		
27 14 13 16-0101 MLF 4-Pair Solid UTP, 23 AWG, Category 6, Indoor Telecommunications Riser Cable, Installed In Conduit.....	1,025.63	435.79
27 14 13 16-0102 MLF 4-Pair Stranded UTP, 23 AWG, Category 6, Indoor Telecommunications Riser Cable, Installed In Conduit	1,059.09	435.79
27 14 13 16-0103 Category 6, Indoor Telecommunications Riser Cable, Installed Exposed (27 14		
13 16-0099)		
27 14 13 16-0104 MLF 4-Pair Solid UTP, 23 AWG, Category 6, Indoor Telecommunications Riser Cable, Installed Exposed	1,751.94	871.58
27 14 13 16-0105 MLF 4-Pair Stranded UTP, 23 AWG, Category 6, Indoor Telecommunications Riser Cable, Installed Exposed.....	1,785.40	871.58
27 14 13 16-0106 Category 6, Indoor Telecommunications Plenum Cable (27 14 13 16-0098)		
27 14 13 16-0107 Category 6, Indoor Telecommunications Plenum Cable, Installed In Conduit		
(27 14 13 16-0106)		
27 14 13 16-0108 MLF 4-Pair Solid UTP, 23 AWG, Category 6, Indoor Telecommunications Plenum Cable, Installed In Conduit	1,335.26	435.79
27 14 13 16-0109 Category 6, Indoor Telecommunications Plenum Cable, Installed Exposed (27		
14 13 16-0108)		
27 14 13 16-0110 MLF 4-Pair Solid UTP, 23 AWG, Category 6, Indoor Telecommunications Plenum Cable, Installed Exposed.....	2,061.57	871.58
27 14 13 16-0111 Category 6a, Indoor Telecommunications Cable (27 14 13 16-0002)		
27 14 13 16-0112 Category 6a, Indoor Telecommunications Riser Cable (27 14 13 16-0111)		
27 14 13 16-0113 Category 6a Indoor Telecommunications Riser Cable, Installed In Conduit (27		
14 13 16-0112)		
27 14 13 16-0114 MLF 4-Pair Solid UTP, 23 AWG, Category 6a, Indoor Telecommunications Riser Cable, Installed In Conduit.....	1,079.10	435.79
27 14 13 16-0115 Category 6a, Indoor Telecommunications Riser Cable, Installed Exposed (27		
14 13 16-0112)		
27 14 13 16-0116 MLF 4-Pair Solid UTP, 23 AWG, Category 6a, Indoor Telecommunications Riser Cable, Installed Exposed	1,805.41	871.58
27 14 13 16-0117 Category 6a, Indoor Telecommunications Plenum Cable (27 14 13 16-0111)		
27 14 13 16-0118 Category 6a, Indoor Telecommunications Plenum Cable, Installed In		
Conduit (27 14 13 16-0117)		
27 14 13 16-0119 MLF 4-Pair Solid UTP, 23 AWG, Category 6a, Indoor Telecommunications Plenum Cable, Installed In Conduit	1,493.53	435.79
27 14 13 16-0120 Category 6a, Indoor Telecommunications Plenum Cable, Installed Exposed		
(27 14 13 16-0117)		
27 14 13 16-0121 MLF 4-Pair Solid UTP, 23 AWG, Category 6a, Indoor Telecommunications Plenum Cable, Installed Exposed.....	2,219.84	871.58
27 14 13 16-0122 Category 7, Indoor Telecommunications Cable (27 14 13 16-0002)		
27 14 13 16-0123 Category 7, Indoor Telecommunications Cable, Installed In Conduit (27 14 13 16-		
0122)		
27 14 13 16-0124 MLF 4-Pair Solid STP, 22 AWG, Category 7, Indoor Telecommunications Riser Cable, Installed In Conduit	2,190.05	498.04
27 14 13 16-0125 MLF 4-Pair Solid STP, 22 AWG, Category 7, Indoor Telecommunications Plenum Cable, Installed In Conduit	4,149.86	498.04



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

MINOR	CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 14 13 16-0126	Category 7, Indoor Telecommunications Cable, Installed Exposed (27 14 13 16-0122)		
27 14 13 16-0127	MLF 4-Pair Solid STP, 22 AWG, Category 7, Indoor Telecommunications Riser Cable, Installed Exposed.....	3,020.13	996.09
27 14 13 16-0128	MLF 4-Pair Solid STP, 22 AWG, Category 7, Indoor Telecommunications Plenum Cable, Installed Exposed.....	4,979.94	996.09
27 14 13 16-0129	Outdoor Telecommunications Cable (27 14 13 16-0001) Note: Telecommunications cable installed in conduit includes pull wires and installation in conduit, innerduct, etc. Telecommunications cable buried in trench excludes excavation.		
27 14 13 16-0130	PE-89 Outdoor Telecommunications Cable (27 14 13 16-0129) Note: Includes foam-skin polyolefin insulated conductors.		
27 14 13 16-0131	24 AWG, PE-89 Outdoor Telecommunications Cable (27 14 13 16-0130)		
27 14 13 16-0132	24 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit (27 14 13 16-0131)		
27 14 13 16-0133	MLF 6-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	1,772.94	871.58
27 14 13 16-0134	MLF 12-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	1,908.42	871.58
27 14 13 16-0135	MLF 25-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit.....	2,200.28	871.58
27 14 13 16-0136	MLF 50-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	2,756.28	871.58
27 14 13 16-0137	MLF 75-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	3,308.91	871.58
27 14 13 16-0138	MLF 100-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	3,862.83	871.58
27 14 13 16-0139	MLF 200-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	6,441.18	1,120.59
27 14 13 16-0140	MLF 300-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	9,442.11	1,618.64
27 14 13 16-0141	MLF 400-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	12,485.16	2,116.68
27 14 13 16-0142	MLF 600-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	16,945.94	2,863.75
27 14 13 16-0143	MLF 900-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	27,881.20	5,727.50
27 14 13 16-0144	MLF 1,200-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	38,701.61	8,466.74
27 14 13 16-0145	24 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench (27 14 13 16-0131)		
27 14 13 16-0146	MLF 6-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	1,461.66	
27 14 13 16-0147	MLF 12-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench.....	1,597.14	
27 14 13 16-0148	MLF 25-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench.....	1,889.00	
27 14 13 16-0149	MLF 50-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench.....	2,445.00	
27 14 13 16-0150	MLF 75-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench.....	2,997.63	
27 14 13 16-0151	MLF 100-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench.....	3,551.55	
27 14 13 16-0152	MLF 200-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench.....	6,233.67	
27 14 13 16-0153	MLF 300-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench.....	8,819.56	
27 14 13 16-0154	MLF 400-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench.....	11,188.17	
27 14 13 16-0155	MLF 600-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench.....	14,663.24	
27 14 13 16-0156	MLF 900-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench.....	21,655.67	
27 14 13 16-0157	MLF 1,200-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	29,570.80	
27 14 13 16-0158	22 AWG, PE-89 Outdoor Telecommunications Cable (27 14 13 16-0130)		
27 14 13 16-0159	22 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit (27 14 13 16-0158)		
27 14 13 16-0160	MLF 6-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	1,859.07	871.58
27 14 13 16-0161	MLF 12-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit.....	2,069.34	871.58
27 14 13 16-0162	MLF 25-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit.....	2,529.66	871.58
27 14 13 16-0163	MLF 50-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	3,342.55	871.58
27 14 13 16-0164	MLF 75-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	4,225.09	871.58
27 14 13 16-0165	MLF 100-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	5,108.35	871.58
27 14 13 16-0166	MLF 200-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	8,843.96	1,120.59
27 14 13 16-0167	MLF 300-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	12,868.96	1,618.64
27 14 13 16-0168	MLF 400-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	17,104.85	2,116.68
27 14 13 16-0169	MLF 600-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	25,013.36	2,863.75
27 14 13 16-0170	MLF 900-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	38,069.69	5,727.50
27 14 13 16-0171	MLF 1,200-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	53,944.52	8,466.74
27 14 13 16-0172	22 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench (27 14 13 16-0158)		
27 14 13 16-0173	MLF 6-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	1,547.79	
27 14 13 16-0174	MLF 12-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench.....	1,758.06	
27 14 13 16-0175	MLF 25-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench.....	2,218.38	
27 14 13 16-0176	MLF 50-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench.....	3,031.27	
27 14 13 16-0177	MLF 75-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench.....	3,913.81	
27 14 13 16-0178	MLF 100-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench.....	4,797.07	
27 14 13 16-0179	MLF 200-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench.....	8,636.45	
27 14 13 16-0180	MLF 300-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench.....	12,246.41	
27 14 13 16-0181	MLF 400-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench.....	15,807.86	
27 14 13 16-0182	MLF 600-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench.....	22,730.66	
27 14 13 16-0183	MLF 900-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench.....	31,844.16	
27 14 13 16-0184	MLF 1,200-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	44,813.71	
27 14 13 16-0185	19 AWG, PE-89 Outdoor Telecommunications Cable (27 14 13 16-0130)		



Communications	27
Structured Cabling	27 10
Communications Cabling	27 14

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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 14 13 16-0186 19 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit ^(27 14 13 16-0186)		
27 14 13 16-0187 MLF 25-Pair 19 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit.....	3,545.09	871.58
27 14 13 16-0188 MLF 50-Pair 19 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit.....	5,327.39	871.58
27 14 13 16-0189 MLF 75-Pair 19 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit.....	7,755.74	871.58
27 14 13 16-0190 MLF 100-Pair 19 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit.....	9,039.73	871.58
27 14 13 16-0191 19 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench ^(27 14 13 16-0191)		
27 14 13 16-0192 MLF 25-Pair 19 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench.....	3,233.81	
27 14 13 16-0193 MLF 50-Pair 19 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench.....	5,016.11	
27 14 13 16-0194 MLF 75-Pair 19 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench.....	7,444.46	
27 14 13 16-0195 MLF 100-Pair 19 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench.....	8,728.45	
27 14 13 16-0196 PE-39 Outdoor Telecommunications Cable ^(27 14 13 16-0196)		
Note: Includes solid polyolefin insulated conductors.		
27 14 13 16-0197 24 AWG, PE-39 Outdoor Telecommunications Cable ^(27 14 13 16-0197)		
27 14 13 16-0198 24 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit ^(27 14 13 16-0198)		
27 14 13 16-0199 MLF 6-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit.....	1,785.05	871.58
27 14 13 16-0200 MLF 12-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit.....	1,950.80	871.58
27 14 13 16-0201 MLF 25-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit.....	2,285.19	871.58
27 14 13 16-0202 MLF 50-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit.....	2,887.36	871.58
27 14 13 16-0203 MLF 100-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit.....	4,108.66	871.58
27 14 13 16-0204 MLF 200-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit.....	7,003.39	1,120.59
27 14 13 16-0205 MLF 300-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit.....	10,208.99	1,618.64
27 14 13 16-0206 MLF 400-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit.....	13,419.60	2,116.68
27 14 13 16-0207 MLF 600-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit.....	18,310.29	2,863.75
27 14 13 16-0208 MLF 900-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit.....	29,645.64	5,727.50
27 14 13 16-0209 MLF 1,200-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit.....	43,277.84	8,466.74
27 14 13 16-0210 24 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench ^(27 14 13 16-0210)		
27 14 13 16-0211 MLF 6-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench.....	1,473.77	
27 14 13 16-0212 MLF 12-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench.....	1,639.52	
27 14 13 16-0213 MLF 25-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench.....	1,973.91	
27 14 13 16-0214 MLF 50-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench.....	2,576.08	
27 14 13 16-0215 MLF 100-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench.....	3,797.38	
27 14 13 16-0216 MLF 200-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench.....	6,795.88	
27 14 13 16-0217 MLF 300-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench.....	9,586.44	
27 14 13 16-0218 MLF 400-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench.....	12,122.61	
27 14 13 16-0219 MLF 600-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench.....	16,027.59	
27 14 13 16-0220 MLF 900-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench.....	23,420.11	
27 14 13 16-0221 MLF 1,200-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench.....	34,147.03	
27 14 13 16-0222 22 AWG, PE-39 Outdoor Telecommunications Cable ^(27 14 13 16-0222)		
27 14 13 16-0223 22 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit ^(27 14 13 16-0223)		
27 14 13 16-0224 MLF 6-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit.....	1,880.88	871.58
27 14 13 16-0225 MLF 12-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit.....	2,124.44	871.58
27 14 13 16-0226 MLF 25-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit.....	2,642.75	871.58
27 14 13 16-0227 MLF 50-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit.....	3,596.25	871.58
27 14 13 16-0228 MLF 100-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit.....	5,586.09	871.58
27 14 13 16-0229 MLF 200-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit.....	9,846.67	1,120.59
27 14 13 16-0230 MLF 300-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit.....	14,406.03	1,618.64
27 14 13 16-0231 MLF 400-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit.....	18,495.83	2,116.68
27 14 13 16-0232 MLF 600-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit.....	25,748.14	2,863.75
27 14 13 16-0233 MLF 900-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit.....	41,689.24	5,727.50
27 14 13 16-0234 22 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench ^(27 14 13 16-0234)		
27 14 13 16-0235 MLF 6-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench.....	1,569.60	
27 14 13 16-0236 MLF 12-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench.....	1,813.16	
27 14 13 16-0237 MLF 25-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench.....	2,331.47	
27 14 13 16-0238 MLF 50-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench.....	3,284.97	
27 14 13 16-0239 MLF 100-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench.....	5,274.81	
27 14 13 16-0240 MLF 200-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench.....	9,639.16	
27 14 13 16-0241 MLF 300-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench.....	13,783.48	
27 14 13 16-0242 MLF 400-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench.....	17,198.84	
27 14 13 16-0243 MLF 600-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench.....	23,465.44	
27 14 13 16-0244 MLF 900-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench.....	35,463.71	
27 14 13 16-0245 19 AWG, PE-39 Outdoor Telecommunications Cable ^(27 14 13 16-0245)		

27	Communications
27 10	Structured Cabling
27 14	Communications Cabling



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 14 13 16-0246 19 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit ⁽²⁷⁾		
14 13 16-0245)		
27 14 13 16-0247 MLF 25-Pair 19 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	3,790.92	871.58
27 14 13 16-0248 MLF 50-Pair 19 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	5,724.76	871.58
27 14 13 16-0249 MLF 100-Pair 19 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	9,734.85	871.58
27 14 13 16-0250 19 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench ^{(27 14 13}		
16-0245)		
27 14 13 16-0251 MLF 25-Pair 19 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench.....	3,479.64	
27 14 13 16-0252 MLF 50-Pair 19 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench.....	5,413.48	
27 14 13 16-0253 MLF 100-Pair 19 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench.....	9,423.57	
27 14 13 16-0254 (Aerial) Outdoor Telecommunications Cable ^(27 14 13 16-0129)		
Note: Includes support wire.		
27 14 13 16-0255 24 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles ⁽²⁷⁾		
14 13 16-0254)		
27 14 13 16-0256 MLF 6-Pair 24 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles	5,205.77	1,695.25
27 14 13 16-0257 MLF 12-Pair 24 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles	5,343.68	1,695.25
27 14 13 16-0258 MLF 25-Pair 24 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles	5,686.09	1,695.25
27 14 13 16-0259 MLF 50-Pair 24 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles	6,320.05	1,695.25
27 14 13 16-0260 MLF 100-Pair 24 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles	7,544.53	1,695.25
27 14 13 16-0261 MLF 200-Pair 24 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles	10,395.21	1,864.78
27 14 13 16-0262 MLF 300-Pair 24 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles	13,261.04	2,034.31
27 14 13 16-0263 22 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles ⁽²⁷⁾		
14 13 16-0254)		
27 14 13 16-0264 MLF 6-Pair 22 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles	5,370.77	1,695.25
27 14 13 16-0265 MLF 12-Pair 22 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles	5,574.52	1,695.25
27 14 13 16-0266 MLF 25-Pair 22 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles	6,065.29	1,695.25
27 14 13 16-0267 MLF 50-Pair 22 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles	7,034.84	1,695.25
27 14 13 16-0268 MLF 100-Pair 22 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles	9,442.01	1,695.25
27 14 13 16-0269 MLF 200-Pair 22 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles	13,588.47	1,864.78
27 14 13 16-0270 19 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles ⁽²⁷⁾		
14 13 16-0254)		
27 14 13 16-0271 MLF 6-Pair 19 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles	5,588.91	1,695.25
27 14 13 16-0272 MLF 12-Pair 19 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles	6,049.69	1,695.25
27 14 13 16-0273 MLF 25-Pair 19 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles	6,955.67	1,695.25
27 14 13 16-0274 MLF 50-Pair 19 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles	8,767.63	1,695.25
27 14 13 16-0275 MLF 100-Pair 19 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles	12,681.90	1,695.25
27 14 13 16-0276 Solid Conductor Low Voltage Cable ^(27 14 13 16)		
27 14 13 16-0277 Shielded, Low Voltage Cable, Pulled In Conduit ^(27 14 13 16-0276)		
27 14 13 16-0278 #12 AWG Low Voltage Cable, Pulled In Conduit, Shielded ^(27 14 13 16-0277)		
27 14 13 16-0279 MLF 1 Pair #12 AWG, Solid, Low Voltage, Placed In Conduit, Alarm And Communications Cable.....	2,049.78	939.09
For #10 AWG, Add	472.94	
For Installation On Exposed Surface, Deduct	-313.06	
27 14 13 16-0280 MLF 2 Pair #12 AWG, Solid, Low Voltage, Placed In Conduit, Alarm And Communications Cable.....	2,515.03	972.29
For #10 AWG, Add	619.24	
For Installation On Exposed Surface, Deduct	-324.19	
27 14 13 16-0281 MLF 3 Pair #12 AWG, Solid, Low Voltage, Placed In Conduit, Alarm And Communications Cable.....	2,922.54	1,006.44
For #10 AWG, Add	746.44	
For Installation On Exposed Surface, Deduct	-335.38	
27 14 13 16-0282 MLF 4 Pair #12 AWG, Solid, Low Voltage, Placed In Conduit, Alarm And Communications Cable.....	3,354.13	1,040.59
For #10 AWG, Add	881.34	
For Installation On Exposed Surface, Deduct	-346.97	
27 14 13 16-0283 MLF 5 Pair #12 AWG, Solid, Low Voltage, Placed In Conduit, Alarm And Communications Cable.....	3,822.68	1,110.78
For #10 AWG, Add	1,020.75	
For Installation On Exposed Surface, Deduct	-370.37	
27 14 13 16-0284 MLF 6 Pair #12 AWG, Solid, Low Voltage, Placed In Conduit, Alarm And Communications Cable.....	4,249.80	1,180.02
For #10 AWG, Add	1,146.70	
For Installation On Exposed Surface, Deduct	-393.44	
27 14 13 16-0285 MLF 8 Pair #12 AWG, Solid, Low Voltage, Placed In Conduit, Alarm And Communications Cable.....	4,603.97	1,320.41
For #10 AWG, Add	1,233.27	
For Installation On Exposed Surface, Deduct	-440.06	
27 14 13 16-0286 MLF 12 Pair #12 AWG, Solid, Low Voltage, Placed In Conduit, Alarm And Communications Cable.....	6,105.41	1,740.63
For #10 AWG, Add	1,637.72	
For Installation On Exposed Surface, Deduct	-580.10	
27 14 13 16-0287 MLF 24 Pair #12 AWG, Solid, Low Voltage, Placed In Conduit, Alarm And Communications Cable.....	9,090.65	2,570.64
For #10 AWG, Add	2,443.09	
For Installation On Exposed Surface, Deduct	-856.66	
27 14 13 16-0288 #14 AWG Low Voltage Cable, Pulled In Conduit, Shielded ^(27 14 13 16-0277)		
27 14 13 16-0289 MLF 1 Pair #14 AWG, Solid, Low Voltage, Placed In Conduit, Alarm And Communications Cable.....	1,831.72	821.47
For Installation On Exposed Surface, Deduct	-273.76	



Communications	27
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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 14 13 16-0290 MLF 2 Pair #14 AWG, Solid, Low Voltage, Placed In Conduit, Alarm And Communications Cable <i>For Installation On Exposed Surface, Deduct</i>	2,272.37 -283.62	850.87
27 14 13 16-0291 MLF 3 Pair #14 AWG, Solid, Low Voltage, Placed In Conduit, Alarm And Communications Cable <i>For Installation On Exposed Surface, Deduct</i>	2,657.60 -293.49	880.28
27 14 13 16-0292 MLF 4 Pair #14 AWG, Solid, Low Voltage, Placed In Conduit, Alarm And Communications Cable <i>For Installation On Exposed Surface, Deduct</i>	3,064.91 -303.54	910.63
27 14 13 16-0293 MLF 5 Pair #14 AWG, Solid, Low Voltage, Placed In Conduit, Alarm And Communications Cable <i>For Installation On Exposed Surface, Deduct</i>	3,503.25 -324.03	972.29
27 14 13 16-0294 MLF 6 Pair #14 AWG, Solid, Low Voltage, Placed In Conduit, Alarm And Communications Cable <i>For Installation On Exposed Surface, Deduct</i>	3,901.64 -344.14	1,033.00
27 14 13 16-0295 MLF 8 Pair #14 AWG, Solid, Low Voltage, Placed In Conduit, Alarm And Communications Cable <i>For Installation On Exposed Surface, Deduct</i>	4,222.24 -385.12	1,155.36
27 14 13 16-0296 MLF 12 Pair #14 AWG, Solid, Low Voltage, Placed In Conduit, Alarm And Communications Cable <i>For Installation On Exposed Surface, Deduct</i>	5,599.62 -507.49	1,522.45
27 14 13 16-0297 MLF 24 Pair #14 AWG, Solid, Low Voltage, Placed In Conduit, Alarm And Communications Cable <i>For Installation On Exposed Surface, Deduct</i>	8,342.04 -749.75	2,249.07
27 14 13 16-0298 #16 AWG Low Voltage Cable, Pulled In Conduit, Shielded (27 14 13 16-0277)		
27 14 13 16-0299 MLF 1 Pair #16 AWG, Solid, Low Voltage, Placed In Conduit, Alarm And Communications Cable <i>For Installation On Exposed Surface, Deduct</i>	1,630.36 -244.54	733.24
27 14 13 16-0300 MLF 2 Pair #16 AWG, Solid, Low Voltage, Placed In Conduit, Alarm And Communications Cable <i>For Installation On Exposed Surface, Deduct</i>	1,920.48 -253.27	759.81
27 14 13 16-0301 MLF 3 Pair #16 AWG, Solid, Low Voltage, Placed In Conduit, Alarm And Communications Cable <i>For Installation On Exposed Surface, Deduct</i>	2,358.03 -262.00	786.36
27 14 13 16-0302 MLF 4 Pair #16 AWG, Solid, Low Voltage, Placed In Conduit, Alarm And Communications Cable <i>For Installation On Exposed Surface, Deduct</i>	2,717.97 -271.10	812.93
27 14 13 16-0303 MLF 5 Pair #16 AWG, Solid, Low Voltage, Placed In Conduit, Alarm And Communications Cable <i>For Installation On Exposed Surface, Deduct</i>	3,104.81 -289.31	867.94
27 14 13 16-0304 MLF 6 Pair #16 AWG, Solid, Low Voltage, Placed In Conduit, Alarm And Communications Cable <i>For Installation On Exposed Surface, Deduct</i>	3,457.22 -307.34	922.01
27 14 13 16-0305 MLF 7 Pair #16 AWG, Solid, Low Voltage, Placed In Conduit, Alarm And Communications Cable <i>For Installation On Exposed Surface, Deduct</i>	3,599.23 -325.55	977.03
27 14 13 16-0306 MLF 8 Pair #16 AWG, Solid, Low Voltage, Placed In Conduit, Alarm And Communications Cable <i>For Installation On Exposed Surface, Deduct</i>	3,742.18 -343.95	1,032.05
27 14 13 16-0307 MLF 9 Pair #16 AWG, Solid, Low Voltage, Placed In Conduit, Alarm And Communications Cable <i>For Installation On Exposed Surface, Deduct</i>	4,188.35 -365.77	1,097.50
27 14 13 16-0308 MLF 12 Pair #16 AWG, Solid, Low Voltage, Placed In Conduit, Alarm And Communications Cable <i>For Installation On Exposed Surface, Deduct</i>	4,962.23 -453.13	1,359.30
27 14 13 16-0309 MLF 24 Pair #16 AWG, Solid, Low Voltage, Placed In Conduit, Alarm And Communications Cable <i>For Installation On Exposed Surface, Deduct</i>	7,391.89 -669.41	2,008.13
27 14 13 16-0310 #18 AWG Low Voltage Cable, Pulled In Conduit, Shielded (27 14 13 16-0277)		
27 14 13 16-0311 MLF 1 Pair #18 AWG, Solid, Low Voltage, Placed In Conduit, Alarm And Communications Cable <i>For Installation On Exposed Surface, Deduct</i>	1,363.52 -215.14	645.98
27 14 13 16-0312 MLF 2 Pair #18 AWG, Solid, Low Voltage, Placed In Conduit, Alarm And Communications Cable <i>For Installation On Exposed Surface, Deduct</i>	1,645.73 -222.91	668.74
27 14 13 16-0313 MLF 3 Pair #18 AWG, Solid, Low Voltage, Placed In Conduit, Alarm And Communications Cable <i>For Installation On Exposed Surface, Deduct</i>	1,893.49 -230.69	691.51
27 14 13 16-0314 MLF 4 Pair #18 AWG, Solid, Low Voltage, Placed In Conduit, Alarm And Communications Cable <i>For Installation On Exposed Surface, Deduct</i>	2,154.38 -238.47	715.23
27 14 13 16-0315 MLF 5 Pair #18 AWG, Solid, Low Voltage, Placed In Conduit, Alarm And Communications Cable <i>For Installation On Exposed Surface, Deduct</i>	2,443.85 -254.60	763.60
27 14 13 16-0316 MLF 6 Pair #18 AWG, Solid, Low Voltage, Placed In Conduit, Alarm And Communications Cable <i>For Installation On Exposed Surface, Deduct</i>	2,708.74 -270.53	811.02
27 14 13 16-0317 MLF 8 Pair #18 AWG, Solid, Low Voltage, Placed In Conduit, Alarm And Communications Cable <i>For Installation On Exposed Surface, Deduct</i>	2,941.00 -302.60	907.78
27 14 13 16-0318 MLF 12 Pair #18 AWG, Solid, Low Voltage, Placed In Conduit, Alarm And Communications Cable <i>For Installation On Exposed Surface, Deduct</i>	3,897.91 -398.78	1,196.16
27 14 13 16-0319 MLF 24 Pair #18 AWG, Solid, Low Voltage, Placed In Conduit, Alarm And Communications Cable <i>For Installation On Exposed Surface, Deduct</i>	5,801.35 -589.06	1,767.19
27 14 13 16-0320 #20 AWG Low Voltage Cable, Pulled In Conduit, Shielded (27 14 13 16-0277)		
27 14 13 16-0321 MLF 1 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Alarm And Communications Cable <i>For Installation On Exposed Surface, Deduct</i>	1,199.18 -195.60	587.17
27 14 13 16-0322 MLF 2 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Alarm And Communications Cable <i>For Installation On Exposed Surface, Deduct</i>	1,422.48 -202.62	608.04
27 14 13 16-0323 MLF 3 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Alarm And Communications Cable <i>For Installation On Exposed Surface, Deduct</i>	1,616.86 -209.63	629.38
27 14 13 16-0324 MLF 4 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Alarm And Communications Cable <i>For Installation On Exposed Surface, Deduct</i>	1,821.48 -216.84	650.73
27 14 13 16-0325 MLF 5 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Alarm And Communications Cable <i>For Installation On Exposed Surface, Deduct</i>	2,056.57 -231.36	694.36
27 14 13 16-0326 MLF 6 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Alarm And Communications Cable <i>For Installation On Exposed Surface, Deduct</i>	2,271.46 -245.87	737.98
27 14 13 16-0327 MLF 8 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Alarm And Communications Cable <i>For Installation On Exposed Surface, Deduct</i>	2,488.80 -275.09	825.25
27 14 13 16-0328 MLF 12 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Alarm And Communications Cable <i>For Installation On Exposed Surface, Deduct</i>	3,275.93 -362.54	1,088.01
27 14 13 16-0329 MLF 24 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Alarm And Communications Cable <i>For Installation On Exposed Surface, Deduct</i>	4,872.63 -535.56	1,606.88

27	Communications
27 10	Structured Cabling
27 14	Communications Cabling



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 14 13 16-0330 MLF 25 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Alarm And Communications Cable..... <i>For Installation On Exposed Surface, Deduct</i>	5,183.87 -548.27	1,644.83
27 14 13 16-0331 MLF 36 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Alarm And Communications Cable..... <i>For Installation On Exposed Surface, Deduct</i>	6,184.87 -638.39	1,915.17
27 14 13 16-0332 MLF 40 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Alarm And Communications Cable..... <i>For Installation On Exposed Surface, Deduct</i>	6,636.71 -683.35	2,049.87
27 14 13 16-0333 MLF 50 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Alarm And Communications Cable..... <i>For Installation On Exposed Surface, Deduct</i>	7,916.05 -853.90	2,562.10
27 14 13 16-0334 MLF 100 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Alarm And Communications Cable..... <i>For Installation On Exposed Surface, Deduct</i>	10,781.42 -1,124.24	3,373.12
27 14 13 16-0335 #22 AWG Low Voltage Cable, Pulled In Conduit, Shielded (27 14 13 16-0277)		
27 14 13 16-0336 MLF 1 Pair #22 AWG, Solid, Low Voltage, Placed In Conduit, Alarm And Communications Cable..... <i>For Installation On Exposed Surface, Deduct</i>	996.00 -176.06	528.35
27 14 13 16-0337 MLF 2 Pair #22 AWG, Solid, Low Voltage, Placed In Conduit, Alarm And Communications Cable..... <i>For Installation On Exposed Surface, Deduct</i>	1,069.93 -182.32	547.32
27 14 13 16-0338 MLF 3 Pair #22 AWG, Solid, Low Voltage, Placed In Conduit, Alarm And Communications Cable..... <i>For Installation On Exposed Surface, Deduct</i>	1,161.06 -188.77	566.30
27 14 13 16-0339 MLF 4 Pair #22 AWG, Solid, Low Voltage, Placed In Conduit, Alarm And Communications Cable..... <i>For Installation On Exposed Surface, Deduct</i>	1,260.29 -195.22	585.27
27 14 13 16-0340 MLF 5 Pair #22 AWG, Solid, Low Voltage, Placed In Conduit, Alarm And Communications Cable..... <i>For Installation On Exposed Surface, Deduct</i>	1,406.14 -208.31	625.11
27 14 13 16-0341 MLF 6 Pair #22 AWG, Solid, Low Voltage, Placed In Conduit, Alarm And Communications Cable..... <i>For Installation On Exposed Surface, Deduct</i>	1,553.91 -220.83	662.10
27 14 13 16-0342 Triad (27 14 13 16-0277)		
27 14 13 16-0343 MLF 1 Triad #16 AWG, Stranded, Low Voltage, Placed In Conduit.....	2,162.88	786.36
27 14 13 16-0344 MLF 4 Triad #20 AWG, Stranded, Low Voltage, Placed In Conduit.....	2,838.35	1,088.01
27 14 13 16-0345 MLF 8 Triad #20 AWG, Stranded, Low Voltage, Placed In Conduit.....	4,405.20	1,606.88
27 14 13 16-0346 MLF 12 Triad #20 AWG, Stranded, Low Voltage, Placed In Conduit.....	5,459.14	1,915.17
27 14 13 16-0347 MLF 24 Triad #20 AWG, Stranded, Low Voltage, Placed In Conduit.....	8,885.49	2,967.14
27 14 13 16-0348 MLF 36 Triad #20 AWG, Stranded, Low Voltage, Placed In Conduit.....	10,209.57	3,373.12
27 14 13 16-0349 Shielded, Low Voltage Cable Buried In Trench (27 14 13 16-0276)		
Note: Excludes excavation.		
27 14 13 16-0350 MLF 1 Pair #14 AWG, Solid, Low Voltage, Direct Burial, Alarm And Communications Cable	1,665.14	
27 14 13 16-0351 MLF 2 Pair #14 AWG, Solid, Low Voltage, Direct Burial, Alarm And Communications Cable	2,098.66	
27 14 13 16-0352 MLF 3 Pair #14 AWG, Solid, Low Voltage, Direct Burial, Alarm And Communications Cable	2,477.85	
27 14 13 16-0353 MLF 4 Pair #14 AWG, Solid, Low Voltage, Direct Burial, Alarm And Communications Cable	2,879.69	
27 14 13 16-0354 MLF 5 Pair #14 AWG, Solid, Low Voltage, Direct Burial, Alarm And Communications Cable	3,305.09	
27 14 13 16-0355 MLF 6 Pair #14 AWG, Solid, Low Voltage, Direct Burial, Alarm And Communications Cable	3,691.74	
27 14 13 16-0356 Shielded, Low Voltage Cable Installed On Poles, Aerially (27 14 13 16-0276)		
27 14 13 16-0357 MLF 1 Pair #14 AWG, Solid, Low Voltage, On Poles, Alarm And Communications Cable	1,747.24	494.48
27 14 13 16-0358 MLF 2 Pair #14 AWG, Solid, Low Voltage, On Poles, Alarm And Communications Cable	2,230.30	529.77
27 14 13 16-0359 MLF 3 Pair #14 AWG, Solid, Low Voltage, On Poles, Alarm And Communications Cable	2,929.63	669.73
27 14 13 16-0360 MLF 4 Pair #14 AWG, Solid, Low Voltage, On Poles, Alarm And Communications Cable	3,559.16	774.63
27 14 13 16-0361 MLF 5 Pair #14 AWG, Solid, Low Voltage, On Poles, Alarm And Communications Cable	5,427.10	882.91
27 14 13 16-0362 MLF 6 Pair #14 AWG, Solid, Low Voltage, On Poles, Alarm And Communications Cable	6,559.35	1,127.98
27 14 13 16-0363 Non-Shielded Low Voltage Cable Pulled In Conduit (27 14 13 16-0276)		
27 14 13 16-0364 #14 AWG Low Voltage Cable, Pulled In Conduit, Non-Shielded (27 14 13 16-0363)		
27 14 13 16-0365 MLF 1 Pair #14 AWG, Solid, Low Voltage, Placed In Conduit, Non-Shielded..... <i>For Installation On Exposed Surface, Deduct</i>	1,835.60 -273.76	821.47
27 14 13 16-0366 MLF 2 Pair #14 AWG, Solid, Low Voltage, Placed In Conduit, Non-Shielded..... <i>For Installation On Exposed Surface, Deduct</i>	2,279.54 -283.62	850.87
27 14 13 16-0367 MLF 3 Pair #14 AWG, Solid, Low Voltage, Placed In Conduit, Non-Shielded..... <i>For Installation On Exposed Surface, Deduct</i>	2,667.58 -293.49	880.28
27 14 13 16-0368 MLF 4 Pair #14 AWG, Solid, Low Voltage, Placed In Conduit, Non-Shielded..... <i>For Installation On Exposed Surface, Deduct</i>	3,077.88 -303.54	910.63
27 14 13 16-0369 MLF 5 Pair #14 AWG, Solid, Low Voltage, Placed In Conduit, Non-Shielded..... <i>For Installation On Exposed Surface, Deduct</i>	3,517.13 -323.65	971.33
27 14 13 16-0370 MLF 6 Pair #14 AWG, Solid, Low Voltage, Placed In Conduit, Non-Shielded..... <i>For Installation On Exposed Surface, Deduct</i>	3,918.97 -343.95	1,032.05
27 14 13 16-0371 MLF 8 Pair #14 AWG, Solid, Low Voltage, Placed In Conduit, Non-Shielded..... <i>For Installation On Exposed Surface, Deduct</i>	4,241.49 -385.12	1,155.36
27 14 13 16-0372 MLF 12 Pair #14 AWG, Solid, Low Voltage, Placed In Conduit, Non-Shielded..... <i>For Installation On Exposed Surface, Deduct</i>	5,625.29 -507.49	1,522.45
27 14 13 16-0373 MLF 24 Pair #14 AWG, Solid, Low Voltage, Placed In Conduit, Non-Shielded..... <i>For Installation On Exposed Surface, Deduct</i>	8,380.54 -749.75	2,249.07
27 14 13 16-0374 #16 AWG Low Voltage Cable, Pulled In Conduit, Non-Shielded (27 14 13 16-0363)		
27 14 13 16-0375 MLF 1 Pair #16 AWG, Solid, Low Voltage, Placed In Conduit, Non-Shielded..... <i>For Installation On Exposed Surface, Deduct</i>	1,633.78 -244.54	733.24



Communications	27
Structured Cabling	27 10
Communications Cabling	27 14

27

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 14 13 16-0376 MLF 2 Pair #16 AWG, Solid, Low Voltage, Placed In Conduit, Non-Shielded <i>For Installation On Exposed Surface, Deduct</i>	2,024.91 -253.27	759.81
27 14 13 16-0377 MLF 3 Pair #16 AWG, Solid, Low Voltage, Placed In Conduit, Non-Shielded <i>For Installation On Exposed Surface, Deduct</i>	2,366.82 -262.00	786.36
27 14 13 16-0378 MLF 4 Pair #16 AWG, Solid, Low Voltage, Placed In Conduit, Non-Shielded <i>For Installation On Exposed Surface, Deduct</i>	2,729.39 -271.10	812.93
27 14 13 16-0379 MLF 5 Pair #16 AWG, Solid, Low Voltage, Placed In Conduit, Non-Shielded <i>For Installation On Exposed Surface, Deduct</i>	3,117.77 -289.13	867.00
27 14 13 16-0380 MLF 6 Pair #16 AWG, Solid, Low Voltage, Placed In Conduit, Non-Shielded <i>For Installation On Exposed Surface, Deduct</i>	3,473.32 -307.34	922.01
27 14 13 16-0381 MLF 7 Pair #16 AWG, Solid, Low Voltage, Placed In Conduit, Non-Shielded <i>For Installation On Exposed Surface, Deduct</i>	3,615.76 -325.55	977.03
27 14 13 16-0382 MLF 8 Pair #16 AWG, Solid, Low Voltage, Placed In Conduit, Non-Shielded <i>For Installation On Exposed Surface, Deduct</i>	3,890.96 -343.95	1,032.05
27 14 13 16-0383 MLF 9 Pair #16 AWG, Solid, Low Voltage, Placed In Conduit, Non-Shielded <i>For Installation On Exposed Surface, Deduct</i>	4,361.82 -365.75	1,097.50
27 14 13 16-0384 MLF 12 Pair #16 AWG, Solid, Low Voltage, Placed In Conduit, Non-Shielded <i>For Installation On Exposed Surface, Deduct</i>	4,984.84 -453.13	1,359.30
27 14 13 16-0385 MLF 24 Pair #16 AWG, Solid, Low Voltage, Placed In Conduit, Non-Shielded <i>For Installation On Exposed Surface, Deduct</i>	7,426.27 -669.50	2,008.13
27 14 13 16-0386 #18 AWG Low Voltage Cable, Pulled In Conduit, Non-Shielded <small>(27 14 13 16-0386)</small>		
27 14 13 16-0387 MLF 1 Pair #18 AWG, Solid, Low Voltage, Placed In Conduit, Non-Shielded <i>For Installation On Exposed Surface, Deduct</i>	1,418.76 -215.14	645.03
27 14 13 16-0388 MLF 2 Pair #18 AWG, Solid, Low Voltage, Placed In Conduit, Non-Shielded <i>For Installation On Exposed Surface, Deduct</i>	1,729.75 -222.91	668.74
27 14 13 16-0389 MLF 3 Pair #18 AWG, Solid, Low Voltage, Placed In Conduit, Non-Shielded <i>For Installation On Exposed Surface, Deduct</i>	1,910.61 -230.69	692.46
27 14 13 16-0390 MLF 4 Pair #18 AWG, Solid, Low Voltage, Placed In Conduit, Non-Shielded <i>For Installation On Exposed Surface, Deduct</i>	2,162.44 -238.47	715.23
27 14 13 16-0391 MLF 5 Pair #18 AWG, Solid, Low Voltage, Placed In Conduit, Non-Shielded <i>For Installation On Exposed Surface, Deduct</i>	2,432.35 -254.60	763.60
27 14 13 16-0392 MLF 6 Pair #18 AWG, Solid, Low Voltage, Placed In Conduit, Non-Shielded <i>For Installation On Exposed Surface, Deduct</i>	2,701.32 -270.53	811.98
27 14 13 16-0393 MLF 8 Pair #18 AWG, Solid, Low Voltage, Placed In Conduit, Non-Shielded <i>For Installation On Exposed Surface, Deduct</i>	3,358.51 -302.60	907.78
27 14 13 16-0394 MLF 12 Pair #18 AWG, Solid, Low Voltage, Placed In Conduit, Non-Shielded <i>For Installation On Exposed Surface, Deduct</i>	4,334.89 -398.78	1,196.16
27 14 13 16-0395 MLF 24 Pair #18 AWG, Solid, Low Voltage, Placed In Conduit, Non-Shielded <i>For Installation On Exposed Surface, Deduct</i>	6,494.39 -589.06	1,767.19
27 14 13 16-0396 #20 AWG Low Voltage Cable, Pulled In Conduit, Non-Shielded <small>(27 14 13 16-0396)</small>		
27 14 13 16-0397 MLF 1 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Non-Shielded <i>For Installation On Exposed Surface, Deduct</i>	1,220.15 -195.60	587.17
27 14 13 16-0398 MLF 2 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Non-Shielded <i>For Installation On Exposed Surface, Deduct</i>	1,425.91 -202.62	608.04
27 14 13 16-0399 MLF 3 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Non-Shielded <i>For Installation On Exposed Surface, Deduct</i>	1,726.93 -230.69	692.46
27 14 13 16-0400 MLF 4 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Non-Shielded <i>For Installation On Exposed Surface, Deduct</i>	1,827.66 -216.84	650.73
27 14 13 16-0401 MLF 5 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Non-Shielded <i>For Installation On Exposed Surface, Deduct</i>	2,180.31 -254.60	763.60
27 14 13 16-0402 MLF 6 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Non-Shielded <i>For Installation On Exposed Surface, Deduct</i>	2,403.52 -270.53	811.98
27 14 13 16-0403 MLF 8 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Non-Shielded <i>For Installation On Exposed Surface, Deduct</i>	2,629.04 -301.27	903.61
27 14 13 16-0404 MLF 12 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Non-Shielded <i>For Installation On Exposed Surface, Deduct</i>	3,288.19 -362.54	1,088.01
27 14 13 16-0405 MLF 24 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Non-Shielded <i>For Installation On Exposed Surface, Deduct</i>	4,891.03 -535.56	1,606.88
27 14 13 16-0406 MLF 25 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Non-Shielded <i>For Installation On Exposed Surface, Deduct</i>	5,204.35 -548.27	1,644.83
27 14 13 16-0407 MLF 36 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Non-Shielded <i>For Installation On Exposed Surface, Deduct</i>	6,209.96 -638.39	1,915.17
27 14 13 16-0408 MLF 40 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Non-Shielded <i>For Installation On Exposed Surface, Deduct</i>	6,663.71 -683.35	2,049.87
27 14 13 16-0409 MLF 50 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Non-Shielded <i>For Installation On Exposed Surface, Deduct</i>	7,946.62 -853.90	2,562.10
27 14 13 16-0410 MLF 100 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Non-Shielded <i>For Installation On Exposed Surface, Deduct</i>	10,824.68 -1,124.24	3,373.12
27 14 13 16-0411 #22 AWG Low Voltage Cable, Pulled In Conduit, Non-Shielded <small>(27 14 13 16-0363)</small>		
27 14 13 16-0412 MLF 1 Pair #22 AWG, Solid, Low Voltage, Placed In Conduit, Non-Shielded <i>For Installation On Exposed Surface, Deduct</i>	1,040.84 -176.06 -176.06	528.35
27 14 13 16-0413 MLF 2 Pair #22 AWG, Solid, Low Voltage, Placed In Conduit, Non-Shielded <i>For Installation On Exposed Surface, Deduct</i>	1,131.29 -182.32 -182.32	547.32
27 14 13 16-0414 MLF 3 Pair #22 AWG, Solid, Low Voltage, Placed In Conduit, Non-Shielded <i>For Installation On Exposed Surface, Deduct</i>	1,256.22 -188.77 -188.77	566.30

27 Communications
27 10 Structured Cabling
27 14 Communications Cabling



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 14 13 16-0415 MLF 4 Pair #22 AWG, Solid, Low Voltage, Placed In Conduit, Non-Shielded..... <i>For Installation On Exposed Surface, Deduct</i>	1,394.89 -195.22	585.27
27 14 13 16-0416 MLF 5 Pair #22 AWG, Solid, Low Voltage, Placed In Conduit, Non-Shielded..... <i>For Installation On Exposed Surface, Deduct</i>	1,559.90 -208.31	625.11
27 14 13 16-0417 MLF 6 Pair #22 AWG, Solid, Low Voltage, Placed In Conduit, Non-Shielded..... <i>For Installation On Exposed Surface, Deduct</i>	1,743.58 -220.83	662.10

27 14 13 16-0418 Shielded Plenum Rated, Low Voltage Cable, Pulled In Conduit (27 14 13 16-0276)

27 14 13 16-0419 MLF 1 Pair #16 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Shielded.....	1,590.53	733.24
27 14 13 16-0420 MLF 2 Pair #16 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Shielded.....	2,132.00	759.81
27 14 13 16-0421 MLF 3 Pair #16 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Shielded.....	2,501.13	786.36
27 14 13 16-0422 MLF 4 Pair #16 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Shielded.....	2,676.51	812.93
27 14 13 16-0423 MLF 5 Pair #16 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Shielded.....	3,394.31	867.00
27 14 13 16-0424 MLF 6 Pair #16 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Shielded.....	3,700.85	922.01
27 14 13 16-0425 MLF 8 Pair #16 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Shielded.....	4,836.15	1,032.05
27 14 13 16-0426 MLF 12 Pair #16 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Shielded.....	5,878.48	1,359.30
27 14 13 16-0427 MLF 24 Pair #16 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Shielded.....	9,017.61	2,008.13
27 14 13 16-0428 MLF 1 Pair #18 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Shielded.....	1,353.92	645.03
27 14 13 16-0429 MLF 2 Pair #18 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Shielded.....	1,796.22	668.74
27 14 13 16-0430 MLF 3 Pair #18 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Shielded.....	2,155.41	692.46
27 14 13 16-0431 MLF 4 Pair #18 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Shielded.....	2,313.75	715.23
27 14 13 16-0432 MLF 5 Pair #18 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Shielded.....	2,924.09	763.60
27 14 13 16-0433 MLF 6 Pair #18 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Shielded.....	3,360.87	811.98
27 14 13 16-0434 MLF 8 Pair #18 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Shielded.....	3,811.17	907.78
27 14 13 16-0435 MLF 12 Pair #18 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Shielded.....	4,885.34	1,196.16
27 14 13 16-0436 MLF 24 Pair #18 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Shielded.....	8,046.02	1,767.19
27 14 13 16-0437 MLF 1 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Shielded.....	1,168.43	587.17
27 14 13 16-0438 MLF 2 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Shielded.....	1,438.99	608.04
27 14 13 16-0439 MLF 3 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Shielded.....	1,700.10	628.90
27 14 13 16-0440 MLF 4 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Shielded.....	1,851.20	650.73
27 14 13 16-0441 MLF 5 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Shielded.....	2,039.29	694.36
27 14 13 16-0442 MLF 6 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Shielded.....	2,261.00	737.98
27 14 13 16-0443 MLF 8 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Shielded.....	2,533.69	825.25
27 14 13 16-0444 MLF 12 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Shielded.....	3,578.67	1,088.01
27 14 13 16-0445 MLF 24 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Shielded.....	5,514.56	1,606.88
27 14 13 16-0446 MLF 25 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Shielded.....	5,898.03	1,644.83
27 14 13 16-0447 MLF 36 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Shielded.....	7,032.76	1,915.17
27 14 13 16-0448 MLF 40 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Shielded.....	7,578.52	2,049.87
27 14 13 16-0449 MLF 50 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Shielded.....	8,982.60	2,562.10
27 14 13 16-0450 MLF 100 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Shielded.....	12,290.71	3,373.12
27 14 13 16-0451 MLF 250 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Shielded.....	24,365.20	6,213.15
27 14 13 16-0452 MLF 500 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Shielded.....	38,588.31	8,222.23
27 14 13 16-0453 MLF 750 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Shielded.....	52,741.04	10,361.26
27 14 13 16-0454 MLF 1200 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Shielded.....	74,903.09	14,212.46
27 14 13 16-0455 MLF 1 Pair #22 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Shielded.....	1,099.81	587.17
27 14 13 16-0456 MLF 2 Pair #22 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Shielded.....	1,285.52	608.04
27 14 13 16-0457 MLF 3 Pair #22 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Shielded.....	1,465.20	628.90
27 14 13 16-0458 MLF 4 Pair #22 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Shielded.....	1,574.84	650.73
27 14 13 16-0459 MLF 5 Pair #22 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Shielded.....	1,721.48	694.36
27 14 13 16-0460 MLF 6 Pair #22 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Shielded.....	1,889.27	737.98
27 14 13 16-0461 MLF 8 Pair #22 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Shielded.....	2,116.33	825.25
27 14 13 16-0462 MLF 12 Pair #22 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Shielded.....	2,942.37	1,088.01
27 14 13 16-0463 MLF 24 Pair #22 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Shielded.....	4,492.43	1,606.88
27 14 13 16-0464 MLF 25 Pair #22 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Shielded.....	4,760.62	1,644.83
27 14 13 16-0465 MLF 36 Pair #22 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Shielded.....	5,666.42	1,915.17
27 14 13 16-0466 MLF 40 Pair #22 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Shielded.....	6,078.93	2,049.87
27 14 13 16-0467 MLF 50 Pair #22 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Shielded.....	7,284.36	2,562.10
27 14 13 16-0468 MLF 100 Pair #22 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Shielded.....	9,887.54	3,373.12
27 14 13 16-0469 MLF 250 Pair #22 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Shielded.....	19,279.47	6,213.15
27 14 13 16-0470 MLF 500 Pair #22 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Shielded.....	29,609.37	8,222.23
27 14 13 16-0471 MLF 750 Pair #22 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Shielded.....	39,942.54	10,361.26
27 14 13 16-0472 MLF 1200 Pair #22 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Shielded.....	56,426.11	14,212.46

27 14 13 16-0473 Non-Shielded Plenum Rated, Low Voltage Cable, Pulled In Conduit (27 14 13 16-0276)

27 14 13 16-0474 MLF 1 Pair #16 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Non-Shielded.....	1,672.95	733.24
27 14 13 16-0475 MLF 2 Pair #16 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Non-Shielded.....	2,073.66	759.81
27 14 13 16-0476 MLF 3 Pair #16 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Non-Shielded.....	2,303.60	786.36
27 14 13 16-0477 MLF 4 Pair #16 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Non-Shielded.....	2,627.64	812.93
27 14 13 16-0478 MLF 5 Pair #16 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Non-Shielded.....	2,968.06	867.00
27 14 13 16-0479 MLF 6 Pair #16 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Non-Shielded.....	3,306.58	922.01
27 14 13 16-0480 MLF 8 Pair #16 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Non-Shielded.....	4,141.72	1,032.05
27 14 13 16-0481 MLF 12 Pair #16 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Non-Shielded.....	5,340.17	1,359.30
27 14 13 16-0482 MLF 24 Pair #16 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Non-Shielded.....	8,005.12	2,008.13
27 14 13 16-0483 MLF 1 Pair #18 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Non-Shielded.....	1,458.39	645.03
27 14 13 16-0484 MLF 2 Pair #18 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Non-Shielded.....	1,800.79	668.74
27 14 13 16-0485 MLF 3 Pair #18 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Non-Shielded.....	1,998.05	692.46



Communications	27	27
Structured Cabling	27 10	
Communications Cabling	27 14	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 14 13 16-0486 MLF 4 Pair #18 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Non-Shielded.....	2,274.49	715.23
27 14 13 16-0487 MLF 5 Pair #18 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Non-Shielded.....	2,566.26	763.60
27 14 13 16-0488 MLF 6 Pair #18 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Non-Shielded.....	2,857.09	811.98
27 14 13 16-0489 MLF 8 Pair #18 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Non-Shielded.....	3,571.65	907.78
27 14 13 16-0490 MLF 12 Pair #18 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Non-Shielded.....	4,606.83	1,196.16
27 14 13 16-0491 MLF 24 Pair #18 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Non-Shielded.....	6,904.28	1,767.19
27 14 13 16-0492 MLF 1 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Non-Shielded.....	1,248.12	587.17
27 14 13 16-0493 MLF 2 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Non-Shielded.....	1,540.94	608.04
27 14 13 16-0494 MLF 3 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Non-Shielded.....	1,734.39	628.90
27 14 13 16-0495 MLF 4 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Non-Shielded.....	2,116.32	650.73
27 14 13 16-0496 MLF 5 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Non-Shielded.....	2,405.50	694.36
27 14 13 16-0497 MLF 6 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Non-Shielded.....	3,037.75	737.98
27 14 13 16-0498 MLF 8 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Non-Shielded.....	3,393.73	825.25
27 14 13 16-0499 MLF 12 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Non-Shielded.....	4,203.63	1,088.01
27 14 13 16-0500 MLF 24 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Non-Shielded.....	6,403.91	1,606.88
27 14 13 16-0501 MLF 25 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Non-Shielded.....	6,885.49	1,644.83
27 14 13 16-0502 MLF 36 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Non-Shielded.....	8,270.35	1,915.17
27 14 13 16-0503 MLF 40 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Non-Shielded.....	8,880.39	2,049.87
27 14 13 16-0504 MLF 50 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Non-Shielded.....	10,456.93	2,562.10
27 14 13 16-0505 MLF 100 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Non-Shielded.....	14,377.04	3,373.12
27 14 13 16-0506 MLF 250 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Non-Shielded.....	28,781.55	6,213.15
27 14 13 16-0507 MLF 500 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Non-Shielded.....	46,384.97	8,222.23
27 14 13 16-0508 MLF 750 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Non-Shielded.....	63,853.06	10,361.26
27 14 13 16-0509 MLF 1200 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Non-Shielded.....	90,945.49	14,211.52
27 14 13 16-0510 MLF 1 Pair #22 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Non-Shielded.....	1,150.78	587.17
27 14 13 16-0511 MLF 2 Pair #22 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Non-Shielded.....	1,350.75	608.04
27 14 13 16-0512 MLF 3 Pair #22 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Non-Shielded.....	1,487.15	628.90
27 14 13 16-0513 MLF 4 Pair #22 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Non-Shielded.....	1,744.43	650.73
27 14 13 16-0514 MLF 5 Pair #22 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Non-Shielded.....	1,955.73	694.36
27 14 13 16-0515 MLF 6 Pair #22 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Non-Shielded.....	2,386.15	737.98
27 14 13 16-0516 MLF 8 Pair #22 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Non-Shielded.....	2,666.50	825.25
27 14 13 16-0517 MLF 12 Pair #22 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Non-Shielded.....	3,342.14	1,088.01
27 14 13 16-0518 MLF 24 Pair #22 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Non-Shielded.....	5,061.32	1,606.88
27 14 13 16-0519 MLF 25 Pair #22 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Non-Shielded.....	5,392.27	1,644.83
27 14 13 16-0520 MLF 36 Pair #22 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Non-Shielded.....	6,440.47	1,915.17
27 14 13 16-0521 MLF 40 Pair #22 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Non-Shielded.....	6,911.72	2,049.87
27 14 13 16-0522 MLF 50 Pair #22 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Non-Shielded.....	8,227.45	2,562.10
27 14 13 16-0523 MLF 100 Pair #22 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Non-Shielded.....	11,222.12	3,373.12
27 14 13 16-0524 MLF 250 Pair #22 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Non-Shielded.....	22,104.29	6,213.15
27 14 13 16-0525 MLF 500 Pair #22 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Non-Shielded.....	34,596.76	8,222.23
27 14 13 16-0526 MLF 750 Pair #22 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Non-Shielded.....	47,051.41	10,361.26
27 14 13 16-0527 MLF 1200 Pair #22 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Non-Shielded.....	66,689.71	14,212.46

27 14 13 16-0528

Sound System Cables (27 14 13 16)

Note: Cables shall be type CL2 or CM and as manufactured by West Penn Wire, Belden or approved equal.

27 14 13 16-0529

Sound System Cables, Communications And Control Cable, Installed Exposed (27 14 13 16-0528)

27 14 13 16-0530 MLF 2 Conductor, 18 AWG, Non-Plenum, Unshielded, Speaker/Communications And Control Cable, Installed Exposed.....	1,451.69	664.00
27 14 13 16-0531 MLF 2 Conductor, 16 AWG, Non-Plenum, Unshielded, Speaker/Communications And Control Cable, Installed Exposed.....	1,514.62	664.00
27 14 13 16-0532 MLF 2 Conductor, 18 AWG, Plenum, Unshielded, Speaker/Communications And Control Cable, Installed Exposed.....	1,468.22	664.00
27 14 13 16-0533 MLF 2 Conductor, 16 AWG, Plenum, Unshielded, Speaker/Communications And Control Cable, Installed Exposed.....	1,531.38	664.00
27 14 13 16-0534 MLF 2 Conductor, 18 AWG, Plenum, Shielded, Speaker/Communications And Control Cable, Installed Exposed.....	1,493.13	664.00
27 14 13 16-0535 MLF 2 Conductor, 16 AWG, Plenum, Shielded, Speaker/Communications And Control Cable, Installed Exposed.....	1,577.51	664.00
27 14 13 16-0536 MLF 2 Conductor, 22 AWG, Plenum, Shielded, Microphone/Communications And Control Cable, Installed Exposed.....	1,518.80	664.00
27 14 13 16-0537 MLF 4 Conductor, 22 AWG, Non-Plenum, 2 Shielded, 2 Unshielded, Microphone/Communications Cable, Installed Exposed.....	1,540.27	664.00
27 14 13 16-0538 MLF 2 Conductor, 20 AWG, Plenum, Shielded, Microphone/Communications And Control Cable, Installed Exposed.....	1,452.23	664.00
27 14 13 16-0539 MLF 4 Conductor, 20 AWG, Non-Plenum, 2 Shielded, 2 Unshielded, Microphone/Communications Cable, Installed Exposed.....	1,620.08	664.00

27 14 13 16-0540

Sound System Cables, Communications And Control Cable, Installed In Conduit (27 14 13 16-0528)

27 14 13 16-0541 MLF 2 Conductor, 18 AWG, Non-Plenum, Unshielded, Speaker/Communications And Control Cable, Installed In Conduit.....	787.68	332.00
27 14 13 16-0542 MLF 2 Conductor, 16 AWG, Non-Plenum, Unshielded, Speaker/Communications And Control Cable, Installed In Conduit.....	850.61	332.00
27 14 13 16-0543 MLF 2 Conductor, 18 AWG, Plenum, Unshielded, Speaker/Communications And Control Cable, Installed In Conduit.....	804.21	332.00
27 14 13 16-0544 MLF 2 Conductor, 16 AWG, Plenum, Unshielded, Speaker/Communications And Control Cable, Installed In Conduit.....	867.37	332.00
27 14 13 16-0545 MLF 2 Conductor, 18 AWG, Plenum, Shielded, Speaker/Communications And Control Cable, Installed In Conduit.....	829.12	332.00
27 14 13 16-0546 MLF 2 Conductor, 16 AWG, Plenum, Shielded, Speaker/Communications And Control Cable, Installed In Conduit.....	913.50	332.00
27 14 13 16-0547 MLF 2 Conductor, 22 AWG, Plenum, Shielded, Microphone/Communications And Control Cable, Installed In Conduit.....	854.79	332.00
27 14 13 16-0548 MLF 4 Conductor, 22 AWG, Non-Plenum, 2 Shielded, 2 Unshielded, Microphone/Communications Cable, Installed In Conduit.....	876.26	332.00
27 14 13 16-0549 MLF 2 Conductor, 20 AWG, Plenum, Shielded, Microphone/Communications And Control Cable, Installed In Conduit.....	788.22	332.00
27 14 13 16-0550 MLF 4 Conductor, 20 AWG, Non-Plenum, 2 Shielded, 2 Unshielded, Microphone/Communications Cable, Installed In Conduit.....	956.07	332.00



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

27 14 23 Communications Optical Fiber Cabling ^(27 14)

27 14 23 13 Communications Optical Fiber Splicing And Terminations ^(27 14 23)

27 14 23 13-0001	EA	Fiber Optic Cable Splice Closures ^(27 14 23 13) Note: Includes mounting hardware. Excludes splicing and splice trays.		
27 14 23 13-0002	EA	Up To 144-Fiber Capacity, Pedestal Fiber Optic Cable Splice Closure	576.81	103.76
27 14 23 13-0003	EA	Up To 144-Fiber Capacity, Underground Fiber Optic Cable Splice Closure	784.32	207.52
27 14 23 13-0004	EA	Up To 144-Fiber Capacity, Aerial Fiber Optic Cable Splice Closure	784.32	207.52
27 14 23 13-0005	EA	Up To 288-Fiber Capacity, Pedestal Fiber Optic Cable Splice Closure	910.96	103.76
27 14 23 13-0006	EA	Up To 288-Fiber Capacity, Underground Fiber Optic Cable Splice Closure	1,118.47	207.52
27 14 23 13-0007	EA	Up To 288-Fiber Capacity, Aerial Fiber Optic Cable Splice Closure	1,118.47	207.52
27 14 23 13-0008	EA	Splice Tray For Fiber Optic Cable Splice Closure.....	44.55	12.97
		Note: Up to 12-fiber, mechanical or fusion splice tray. Excludes splice.		
27 14 23 13-0009	EA	Fiber Optic Cable Splicing ^(27 14 23 13)		
27 14 23 13-0010	EA	Single Strand, Fusion Splice Of Fiber Optic Cable	31.13	
27 14 23 13-0011	EA	12-Strand Ribbon, Fusion Splice Of Fiber Optic Cable.....	103.76	
27 14 23 13-0012	EA	Fiber Optic Cable Testing ^(27 14 23 13) Note: Price based on testing one wavelength.		
27 14 23 13-0013	EA	Fiber Optic Cable Testing Using An OTDR ^(27 14 23 13-0012) Note: Testing using an optical time domain reflectometer.		
27 14 23 13-0014	EA	Test 1-Strand Of Fiber Optic Cable Using A Single Directional OTDR Test	20.75	
		For >12 To 48 Strands, Deduct	-1.56	
		For >48 Strands, Deduct	-2.08	
27 14 23 13-0015	EA	Test 1-Strand Of Fiber Optic Cable Using A Multi-Directional OTDR Test	31.13	
		For >12 To 48 Strands, Deduct	-2.33	
		For >48 Strands, Deduct	-3.11	
27 14 23 13-0016	EA	Test 1-Strand Of Fiber Optic Cable Using A Single Directional OTDR Test With Documentation	51.88	
		For >12 To 48 Strands, Deduct	-3.89	
		For >48 Strands, Deduct	-5.19	
27 14 23 13-0017	EA	Test 1-Strand Of Fiber Optic Cable Using A Multi-Directional OTDR Test With Documentation	77.82	
		For >12 To 48 Strands, Deduct	-5.84	
		For >48 Strands, Deduct	-7.78	
27 14 23 13-0018	EA	Fiber Optic Cable Testing Using A Power Meter ^(27 14 23 13-0012)		
27 14 23 13-0019	EA	Test 1-Strand Of Fiber Optic Cable Using A Single Directional Power Meter Test	20.75	
		For >12 To 48 Strands, Deduct	-1.56	
		For >48 Strands, Deduct	-2.08	
27 14 23 13-0020	EA	Test 1-Strand Of Fiber Optic Cable Using A Multi-Directional Power Meter Test	31.13	
		For >12 To 48 Strands, Deduct	-2.33	
		For >48 Strands, Deduct	-3.11	
27 14 23 13-0021	EA	Fiber Optic Cable Light Source/Continuity Testing ^(27 14 23 13-0012)		
27 14 23 13-0022	EA	Test 1-Strand Of Fiber Optic Cable Using A Light Source/Continuity Test	20.75	
		For >12 To 48 Strands, Deduct	-1.56	
		For >48 Strands, Deduct	-2.08	
27 14 23 13-0023	EA	Other Fiber Optic Cable Splicing ^(27 14 23 13)		
27 14 23 13-0024	EA	Fiber Optic Finger Splice	30.84	19.50
27 14 23 13-0025	EA	Fiber Optic Splice Box - Manholes.....	2,931.84	
27 14 23 13-0026	EA	Fiber Optic Cable Fan Out Kits ^(27 14 23 13)		
27 14 23 13-0027	EA	Buffer Tube Fan Out Kits For Fiber Optic Cable ^(27 14 23 13-0026)		
27 14 23 13-0028	EA	6-Fiber, Indoor Buffer Tube Fan Out Kit For Fiber Optic Cable.....	232.61	
27 14 23 13-0029	EA	12-Fiber, Indoor Buffer Tube Fan Out Kit For Fiber Optic Cable	236.06	
27 14 23 13-0030	EA	6-Fiber, Outdoor Buffer Tube Fan Out Kit For Fiber Optic Cable.....	274.95	
27 14 23 13-0031	EA	12-Fiber, Outdoor Buffer Tube Fan Out Kit For Fiber Optic Cable.....	308.72	
27 14 23 13-0032	EA	Spider Fan Out Kits For Fiber Optic Cable ^(27 14 23 13-0026) Note: For tight buffered or loose tube non-armed cables. Includes aramid yarn strength member, outer protective PVDF jacket and one meter fan out lengths.		
27 14 23 13-0033	EA	6-Fiber, Spider Fan Out Kit For Fiber Optic Cable.....	276.05	
27 14 23 13-0034	EA	12-Fiber, Spider Fan Out Kit For Fiber Optic Cable.....	301.41	
27 14 23 13-0035	EA	18-Fiber, Spider Fan Out Kit For Fiber Optic Cable.....	421.69	
27 14 23 13-0036	EA	24-Fiber, Spider Fan Out Kit For Fiber Optic Cable.....	550.81	

27 14 23 16 Communications Optical Fiber Cabling ^(27 14 23)



Communications	27
Structured Cabling	27 10
Communications Cabling	27 14

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 14 23 16-0001 Indoor Fiber Optic Cable <small>(27 14 23 16)</small> Note: Distribution cables contain multiple tight-buffered fibers bundled under the same jacket with Kevlar strength members. Break-out cables contain multiple individually reinforced and jacketed simplex cables bundled together.		
27 14 23 16-0002 Indoor Fiber Optic Cable, Installed In Conduit <small>(27 14 23 16-0001)</small> Note: Excludes conduit or innerduct.		
27 14 23 16-0003 Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit <small>(27 14 23 16-0002)</small>		
27 14 23 16-0004 Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit <small>(27 14 23 16-0003)</small>		
27 14 23 16-0005 Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit <small>(27 14 23 16-0004)</small>		
27 14 23 16-0006 MLF 1-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	889.14	373.53
27 14 23 16-0007 MLF 2-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	969.48	373.53
27 14 23 16-0008 MLF 4-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	996.31	373.53
27 14 23 16-0009 MLF 6-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	1,091.84	373.53
<i>For Aluminum Armored Cable, Add</i>	1,173.16	
<i>For Steel Armored Cable, Add</i>	1,246.15	
27 14 23 16-0010 MLF 8-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	1,119.23	373.53
27 14 23 16-0011 MLF 12-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	1,284.79	373.53
<i>For Aluminum Armored Cable, Add</i>	1,213.20	
<i>For Steel Armored Cable, Add</i>	1,294.36	
27 14 23 16-0012 MLF 18-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	2,189.94	435.79
27 14 23 16-0013 MLF 24-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	3,074.36	435.79
<i>For Aluminum Armored Cable With Sub-Units, Add</i>	1,517.83	
<i>For Steel Armored Cable, Add</i>	1,486.52	
27 14 23 16-0014 MLF 36-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	3,746.52	435.79
<i>For Aluminum Armored Cable With Sub-Units, Add</i>	1,600.08	
<i>For Steel Armored Cable, Add</i>	1,423.75	
27 14 23 16-0015 MLF 48-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	3,876.89	435.79
<i>For Aluminum Armored Cable With Sub-Units, Add</i>	1,678.80	
<i>For Steel Armored Cable, Add</i>	1,492.07	
27 14 23 16-0016 MLF 60-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	4,698.99	435.79
27 14 23 16-0017 MLF 72-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	4,917.61	435.79
27 14 23 16-0018 MLF 96-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	6,067.58	435.79
27 14 23 16-0019 MLF 120-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	8,148.15	498.04
27 14 23 16-0020 MLF 144-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	9,716.31	498.04
27 14 23 16-0021 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit <small>(27 14 23 16-0004)</small>		
27 14 23 16-0022 MLF 1-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	912.27	373.53
27 14 23 16-0023 MLF 2-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	1,008.74	373.53
27 14 23 16-0024 MLF 4-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	1,138.89	373.53
27 14 23 16-0025 MLF 6-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	1,350.13	373.53
<i>For Aluminum Armored Cable, Add</i>	1,154.47	
<i>For Steel Armored Cable, Add</i>	1,224.14	
27 14 23 16-0026 MLF 8-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	1,454.67	373.53
27 14 23 16-0027 MLF 12-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	1,856.72	373.53
<i>For Aluminum Armored Cable, Add</i>	1,184.55	
<i>For Steel Armored Cable, Add</i>	1,262.02	
27 14 23 16-0028 MLF 18-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	3,549.01	435.79
27 14 23 16-0029 MLF 24-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	4,013.27	435.79
<i>For Aluminum Armored Cable With Sub-Units, Add</i>	1,660.25	
<i>For Steel Armored Cable, Add</i>	1,630.38	
27 14 23 16-0030 MLF 36-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	5,098.81	435.79
27 14 23 16-0031 MLF 48-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	6,064.19	435.79
<i>For Aluminum Armored Cable With Sub-Units, Add</i>	1,786.09	
27 14 23 16-0032 MLF 60-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	6,998.96	435.79
27 14 23 16-0033 MLF 72-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	7,992.47	435.79
27 14 23 16-0034 MLF 96-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	10,216.88	435.79
<i>For Aluminum Armored Cable With Sub-Units, Add</i>	1,319.14	
27 14 23 16-0035 MLF 120-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	14,943.51	498.04
27 14 23 16-0036 MLF 144-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	19,334.36	498.04



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 14 23 16-0037	62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit <small>(27 14 23 16-0004)</small>	
27 14 23 16-0038 MLF 1-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	926.76	373.53
27 14 23 16-0039 MLF 2-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	1,028.04	373.53
27 14 23 16-0040 MLF 4-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	1,164.71	373.53
27 14 23 16-0041 MLF 6-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	1,386.51	373.53
27 14 23 16-0042 MLF 8-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	1,496.27	373.53
27 14 23 16-0043 MLF 12-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	1,918.43	373.53
27 14 23 16-0044 MLF 18-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	3,690.14	435.79
27 14 23 16-0045 MLF 24-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	4,177.61	435.79
27 14 23 16-0046 MLF 36-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	5,317.43	435.79
27 14 23 16-0047 MLF 48-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	6,331.08	435.79
27 14 23 16-0048 MLF 60-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	7,312.59	435.79
27 14 23 16-0049 MLF 72-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	8,355.78	435.79
27 14 23 16-0050 MLF 96-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	10,691.40	435.79
27 14 23 16-0051 MLF 120-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	15,649.18	498.04
27 14 23 16-0052 MLF 144-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	20,259.57	498.04
27 14 23 16-0053	Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit <small>(27 14 23 16-0003)</small>	
27 14 23 16-0054	Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit <small>(27 14 23 16-0053)</small>	
27 14 23 16-0055 MLF 2-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	1,633.77	373.53
27 14 23 16-0056 MLF 4-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	1,933.41	373.53
27 14 23 16-0057 MLF 6-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	2,592.59	373.53
27 14 23 16-0058 MLF 8-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	2,907.17	373.53
27 14 23 16-0059 MLF 12-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	5,050.33	373.53
27 14 23 16-0060 MLF 18-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	5,333.05	435.79
27 14 23 16-0061 MLF 24-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	6,713.83	435.79
27 14 23 16-0062 MLF 36-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	9,452.88	435.79
27 14 23 16-0063 MLF 48-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	11,587.72	435.79
27 14 23 16-0064	50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit <small>(27 14 23 16-0053)</small>	
27 14 23 16-0065 MLF 2-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	1,924.29	373.53
27 14 23 16-0066 MLF 4-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	2,068.76	373.53
27 14 23 16-0067 MLF 6-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	2,660.07	373.53
27 14 23 16-0068 MLF 8-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	3,236.15	373.53
27 14 23 16-0069 MLF 12-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	3,939.29	373.53
27 14 23 16-0070 MLF 18-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	5,117.17	435.79
27 14 23 16-0071 MLF 24-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	6,560.27	435.79
27 14 23 16-0072 MLF 36-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	9,821.65	435.79
27 14 23 16-0073 MLF 48-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	12,748.88	435.79
27 14 23 16-0074	62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit <small>(27 14 23 16-0053)</small>	
27 14 23 16-0075 MLF 2-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	1,989.38	373.53
27 14 23 16-0076 MLF 4-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	2,141.07	373.53
27 14 23 16-0077 MLF 6-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	2,761.95	373.53
27 14 23 16-0078 MLF 8-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	3,366.83	373.53
27 14 23 16-0079 MLF 12-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	4,105.13	373.53



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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 14 23 16-0080 MLF 18-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	5,336.71	435.79
27 14 23 16-0081 MLF 24-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	6,851.97	435.79
27 14 23 16-0082 MLF 36-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	10,276.41	435.79
27 14 23 16-0083 MLF 48-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	13,350.01	435.79
27 14 23 16-0084 Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit <small>(27 14 23 16-0002)</small>		
27 14 23 16-0085 Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit <small>(27 14 23 16-0084)</small>		
27 14 23 16-0086 Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit <small>(27 14 23 16-0085)</small>		
27 14 23 16-0087 MLF 1-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	831.64	373.53
27 14 23 16-0088 MLF 2-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	834.80	373.53
27 14 23 16-0089 MLF 4-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	1,000.43	373.53
27 14 23 16-0090 MLF 6-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	1,019.82	373.53
<i>For Aluminum Armored Cable, Add</i>	<i>897.57</i>	
<i>For Steel Armored Cable, Add</i>	<i>1,501.91</i>	
27 14 23 16-0091 MLF 8-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	1,117.39	373.53
27 14 23 16-0092 MLF 12-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	1,135.64	373.53
<i>For Aluminum Armored Cable, Add</i>	<i>962.09</i>	
<i>For Steel Armored Cable, Add</i>	<i>1,566.37</i>	
27 14 23 16-0093 MLF 18-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	2,399.02	435.79
27 14 23 16-0094 MLF 24-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	3,026.29	435.79
<i>For Aluminum Armored Cable With Sub-Units, Add</i>	<i>625.78</i>	
<i>For Steel Armored Cable, Add</i>	<i>715.02</i>	
27 14 23 16-0095 MLF 36-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	4,686.58	435.79
27 14 23 16-0096 MLF 48-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	4,803.54	435.79
<i>For Aluminum Armored Cable With Sub-Units, Add</i>	<i>120.01</i>	
<i>For Steel Armored Cable, Add</i>	<i>260.61</i>	
27 14 23 16-0097 MLF 60-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	5,755.30	435.79
27 14 23 16-0098 MLF 72-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	6,771.49	435.79
27 14 23 16-0099 MLF 96-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	8,883.33	435.79
27 14 23 16-0100 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit <small>(27 14 23 16-0085)</small>		
27 14 23 16-0101 MLF 1-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	910.72	373.53
27 14 23 16-0102 MLF 2-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	901.03	373.53
27 14 23 16-0103 MLF 4-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	1,142.27	373.53
27 14 23 16-0104 MLF 6-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	1,235.54	373.53
<i>For Aluminum Armored Cable, Add</i>	<i>1,011.09</i>	
<i>For Steel Armored Cable, Add</i>	<i>1,615.40</i>	
27 14 23 16-0105 MLF 8-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	1,453.15	373.53
27 14 23 16-0106 MLF 12-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	1,736.03	373.53
<i>For Aluminum Armored Cable, Add</i>	<i>1,020.17</i>	
<i>For Steel Armored Cable, Add</i>	<i>1,624.44</i>	
27 14 23 16-0107 MLF 18-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	4,176.27	435.79
27 14 23 16-0108 MLF 24-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	4,489.90	435.79
<i>For Aluminum Armored Cable With Sub-Units, Add</i>	<i>286.22</i>	
<i>For Steel Armored Cable, Add</i>	<i>568.31</i>	
27 14 23 16-0109 MLF 36-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	6,643.77	435.79
27 14 23 16-0110 MLF 48-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	7,417.14	435.79
<i>For Aluminum Armored Cable With Sub-Units, Add</i>	<i>140.24</i>	
27 14 23 16-0111 MLF 60-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	8,412.27	435.79
27 14 23 16-0112 MLF 72-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	9,958.60	435.79
27 14 23 16-0113 MLF 96-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	13,121.19	435.79
<i>For Aluminum Armored Cable With Sub-Units, Add</i>	<i>1,183.24</i>	
27 14 23 16-0114 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit <small>(27 14 23 16-0085)</small>		
27 14 23 16-0115 MLF 1-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	925.12	373.53



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 14 23 16-0116 MLF 2-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	914.96	373.53
27 14 23 16-0117 MLF 4-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	1,168.26	373.53
27 14 23 16-0118 MLF 6-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	1,266.19	373.53
27 14 23 16-0119 MLF 8-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	1,494.68	373.53
27 14 23 16-0120 MLF 12-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	1,791.70	373.53
27 14 23 16-0121 MLF 18-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	4,348.77	435.79
27 14 23 16-0122 MLF 24-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	4,678.08	435.79
27 14 23 16-0123 MLF 36-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	6,939.64	435.79
27 14 23 16-0124 MLF 48-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	7,751.68	435.79
27 14 23 16-0125 MLF 60-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	8,796.57	435.79
27 14 23 16-0126 MLF 72-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	10,420.21	435.79
27 14 23 16-0127 MLF 96-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	13,740.94	435.79
27 14 23 16-0128 Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit (27 14 23 16-0084)		
27 14 23 16-0129 Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit (27 14 23 16-0128)		
27 14 23 16-0130 MLF 2-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	2,550.12	373.53
27 14 23 16-0131 MLF 4-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	2,914.68	373.53
27 14 23 16-0132 MLF 6-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	3,791.08	373.53
27 14 23 16-0133 MLF 8-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	4,649.98	373.53
27 14 23 16-0134 MLF 12-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	6,020.77	373.53
27 14 23 16-0135 MLF 18-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	8,576.48	435.79
27 14 23 16-0136 MLF 24-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	12,351.28	435.79
27 14 23 16-0137 MLF 36-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	14,933.54	435.79
27 14 23 16-0138 MLF 48-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	18,623.92	435.79
27 14 23 16-0139 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit (27 14 23 16-0128)		
27 14 23 16-0140 MLF 2-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	2,198.34	373.53
27 14 23 16-0141 MLF 4-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	2,974.79	373.53
27 14 23 16-0142 MLF 6-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	3,432.68	373.53
27 14 23 16-0143 MLF 8-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	4,072.50	373.53
27 14 23 16-0144 MLF 12-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	5,293.82	373.53
27 14 23 16-0145 MLF 18-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	6,998.96	435.79
27 14 23 16-0146 MLF 24-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	8,382.51	435.79
27 14 23 16-0147 MLF 36-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	12,194.39	435.79
27 14 23 16-0148 MLF 48-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	16,407.92	435.79
27 14 23 16-0149 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit (27 14 23 16-0128)		
27 14 23 16-0150 MLF 2-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	2,277.13	373.53
27 14 23 16-0151 MLF 4-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	3,092.40	373.53
27 14 23 16-0152 MLF 6-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	3,573.19	373.53
27 14 23 16-0153 MLF 8-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	4,245.00	373.53
27 14 23 16-0154 MLF 12-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	5,527.38	373.53
27 14 23 16-0155 MLF 18-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	7,312.59	435.79
27 14 23 16-0156 MLF 24-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	8,765.32	435.79
27 14 23 16-0157 MLF 36-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	12,767.79	435.79



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27 14 23 16-0158 MLF 48-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	17,192.00	435.79
27 14 23 16-0159 Indoor Fiber Optic Cable, Installed Exposed <small>(27 14 23 16-0001)</small>		
Note: For non-conduit installations such as cable trays, surface runways, etc.		
27 14 23 16-0160 MLF 4-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <small>(27 14 23 16-0159)</small>		
27 14 23 16-0161 MLF 12-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <small>(27 14 23 16-0160)</small>		
27 14 23 16-0162 MLF 24-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <small>(27 14 23 16-0161)</small>		
27 14 23 16-0163 MLF 1-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	1,096.66	498.04
27 14 23 16-0164 MLF 2-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	1,177.00	498.04
27 14 23 16-0165 MLF 4-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	1,203.83	498.04
27 14 23 16-0166 MLF 6-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	1,299.36	498.04
For Aluminum Armored Cable, Add	1,173.16	
For Steel Armored Cable, Add	1,246.15	
27 14 23 16-0167 MLF 8-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	1,326.75	498.04
27 14 23 16-0168 MLF 12-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	1,492.31	498.04
For Aluminum Armored Cable, Add	1,213.20	
For Steel Armored Cable, Add	1,294.36	
27 14 23 16-0169 MLF 18-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	2,397.45	560.30
27 14 23 16-0170 MLF 24-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	3,281.87	560.30
For Aluminum Armored Cable With Sub-Units, Add	1,517.83	
For Steel Armored Cable, Add	1,486.52	
27 14 23 16-0171 MLF 36-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	3,954.03	560.30
For Aluminum Armored Cable With Sub-Units, Add	1,600.08	
For Steel Armored Cable, Add	1,423.75	
27 14 23 16-0172 MLF 48-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	4,084.40	560.30
For Aluminum Armored Cable With Sub-Units, Add	1,678.80	
For Steel Armored Cable, Add	1,492.07	
27 14 23 16-0173 MLF 60-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	4,906.50	560.30
27 14 23 16-0174 MLF 72-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	5,125.12	560.30
27 14 23 16-0175 MLF 96-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	6,275.09	560.30
27 14 23 16-0176 MLF 120-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	8,355.67	622.55
27 14 23 16-0177 MLF 144-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	9,923.83	622.55
27 14 23 16-0178 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <small>(27 14 23 16-0161)</small>		
27 14 23 16-0179 MLF 1-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	1,119.79	498.04
27 14 23 16-0180 MLF 2-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	1,216.26	498.04
27 14 23 16-0181 MLF 4-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	1,346.41	498.04
27 14 23 16-0182 MLF 6-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	1,557.65	498.04
For Aluminum Armored Cable, Add	1,154.47	
For Steel Armored Cable, Add	1,224.14	
27 14 23 16-0183 MLF 8-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	1,662.19	498.04
27 14 23 16-0184 MLF 12-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	2,064.24	498.04
For Aluminum Armored Cable, Add	1,184.55	
For Steel Armored Cable, Add	1,262.02	
27 14 23 16-0185 MLF 18-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	3,756.52	560.30
27 14 23 16-0186 MLF 24-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	4,220.78	560.30
For Aluminum Armored Cable With Sub-Units, Add	1,660.25	
For Steel Armored Cable, Add	1,630.38	
27 14 23 16-0187 MLF 36-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	5,306.32	560.30
27 14 23 16-0188 MLF 48-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	6,271.70	560.30
For Aluminum Armored Cable With Sub-Units, Add	1,786.09	
27 14 23 16-0189 MLF 60-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	7,206.47	560.30
27 14 23 16-0190 MLF 72-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	8,199.98	560.30
27 14 23 16-0191 MLF 96-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	10,424.39	560.30
For Aluminum Armored Cable With Sub-Units, Add	1,319.14	
27 14 23 16-0192 MLF 120-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	15,151.03	622.55
27 14 23 16-0193 MLF 144-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	19,541.88	622.55
27 14 23 16-0194 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <small>(27 14 23 16-0161)</small>		
27 14 23 16-0195 MLF 1-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	1,134.28	498.04
27 14 23 16-0196 MLF 2-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	1,235.56	498.04
27 14 23 16-0197 MLF 4-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	1,372.23	498.04
27 14 23 16-0198 MLF 6-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	1,594.03	498.04
27 14 23 16-0199 MLF 8-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	1,703.79	498.04



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27 14 23 16-0200 MLF 12-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	2,125.95	498.04
27 14 23 16-0201 MLF 18-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	3,897.65	560.30
27 14 23 16-0202 MLF 24-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	4,385.12	560.30
27 14 23 16-0203 MLF 36-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	5,524.94	560.30
27 14 23 16-0204 MLF 48-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	6,538.59	560.30
27 14 23 16-0205 MLF 60-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	7,520.10	560.30
27 14 23 16-0206 MLF 72-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	8,563.29	560.30
27 14 23 16-0207 MLF 96-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	10,898.91	560.30
27 14 23 16-0208 MLF 120-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	15,856.70	622.55
27 14 23 16-0209 MLF 144-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	20,467.09	622.55
27 14 23 16-0210 Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <small>(27 14 23 16-0160)</small>		
27 14 23 16-0211 Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <small>(27 14 23 16-0210)</small>		
27 14 23 16-0212 MLF 2-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	1,841.29	498.04
27 14 23 16-0213 MLF 4-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	2,140.93	498.04
27 14 23 16-0214 MLF 6-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	2,800.11	498.04
27 14 23 16-0215 MLF 8-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	3,114.69	498.04
27 14 23 16-0216 MLF 12-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	5,257.85	498.04
27 14 23 16-0217 MLF 18-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	5,540.56	560.30
27 14 23 16-0218 MLF 24-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	6,921.34	560.30
27 14 23 16-0219 MLF 36-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	9,660.39	560.30
27 14 23 16-0220 MLF 48-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	11,795.23	560.30
27 14 23 16-0221 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <small>(27 14 23 16-0210)</small>		
27 14 23 16-0222 MLF 2-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	2,131.81	498.04
27 14 23 16-0223 MLF 4-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	2,276.28	498.04
27 14 23 16-0224 MLF 6-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	2,867.59	498.04
27 14 23 16-0225 MLF 8-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	3,443.67	498.04
27 14 23 16-0226 MLF 12-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	4,146.81	498.04
27 14 23 16-0227 MLF 18-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	5,324.68	560.30
27 14 23 16-0228 MLF 24-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	6,767.78	560.30
27 14 23 16-0229 MLF 36-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	10,029.16	560.30
27 14 23 16-0230 MLF 48-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	12,956.39	560.30
27 14 23 16-0231 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <small>(27 14 23 16-0210)</small>		
27 14 23 16-0232 MLF 2-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	2,196.90	498.04
27 14 23 16-0233 MLF 4-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	2,348.59	498.04
27 14 23 16-0234 MLF 6-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	2,969.47	498.04
27 14 23 16-0235 MLF 8-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	3,574.35	498.04
27 14 23 16-0236 MLF 12-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	4,312.65	498.04
27 14 23 16-0237 MLF 18-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	5,544.22	560.30
27 14 23 16-0238 MLF 24-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	7,059.48	560.30
27 14 23 16-0239 MLF 36-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	10,483.92	560.30
27 14 23 16-0240 MLF 48-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	13,557.52	560.30
27 14 23 16-0241 Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <small>(27 14 23 16-0159)</small>		
27 14 23 16-0242 Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <small>(27 14 23 16-0241)</small>		
27 14 23 16-0243 Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <small>(27 14 23 16-0242)</small>		
27 14 23 16-0244 MLF 1-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	1,039.16	498.04
27 14 23 16-0245 MLF 2-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	1,042.32	498.04
27 14 23 16-0246 MLF 4-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	1,207.95	498.04



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27 14 23 16-0247 MLF 6-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <i>For Aluminum Armored Cable, Add</i> <i>For Steel Armored Cable, Add</i>	1,227.34 897.57 1,501.91	498.04
27 14 23 16-0248 MLF 8-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	1,324.91	498.04
27 14 23 16-0249 MLF 12-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <i>For Aluminum Armored Cable, Add</i> <i>For Steel Armored Cable, Add</i>	1,343.16 962.09 1,566.37	498.04
27 14 23 16-0250 MLF 18-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	2,606.53	560.30
27 14 23 16-0251 MLF 24-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <i>For Aluminum Armored Cable With Sub-Units, Add</i> <i>For Steel Armored Cable, Add</i>	3,233.80 625.78 715.02	560.30
27 14 23 16-0252 MLF 36-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	4,894.09	560.30
27 14 23 16-0253 MLF 48-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <i>For Aluminum Armored Cable With Sub-Units, Add</i> <i>For Steel Armored Cable, Add</i>	5,011.05 120.01 260.61	560.30
27 14 23 16-0254 MLF 60-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	5,962.81	560.30
27 14 23 16-0255 MLF 72-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	6,979.00	560.30
27 14 23 16-0256 MLF 96-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	9,090.84	560.30
27 14 23 16-0257 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <small>(27 14 23 16-0242)</small>		
27 14 23 16-0258 MLF 1-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	1,118.24	498.04
27 14 23 16-0259 MLF 2-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	1,108.55	498.04
27 14 23 16-0260 MLF 4-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	1,349.79	498.04
27 14 23 16-0261 MLF 6-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <i>For Aluminum Armored Cable, Add</i> <i>For Steel Armored Cable, Add</i>	1,443.06 1,011.09 1,615.40	498.04
27 14 23 16-0262 MLF 8-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	1,660.67	498.04
27 14 23 16-0263 MLF 12-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <i>For Aluminum Armored Cable, Add</i> <i>For Steel Armored Cable, Add</i>	1,943.55 1,020.17 1,624.44	498.04
27 14 23 16-0264 MLF 18-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	4,383.78	560.30
27 14 23 16-0265 MLF 24-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <i>For Aluminum Armored Cable With Sub-Units, Add</i> <i>For Steel Armored Cable, Add</i>	4,697.41 286.22 568.31	560.30
27 14 23 16-0266 MLF 36-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	6,851.28	560.30
27 14 23 16-0267 MLF 48-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <i>For Aluminum Armored Cable With Sub-Units, Add</i>	7,624.65 140.24	560.30
27 14 23 16-0268 MLF 60-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	8,619.78	560.30
27 14 23 16-0269 MLF 72-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	10,166.11	560.30
27 14 23 16-0270 MLF 96-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <i>For Aluminum Armored Cable With Sub-Units, Add</i>	13,328.70 1,183.24	560.30
27 14 23 16-0271 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <small>(27 14 23 16-0242)</small>		
27 14 23 16-0272 MLF 1-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	1,132.64	498.04
27 14 23 16-0273 MLF 2-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	1,122.48	498.04
27 14 23 16-0274 MLF 4-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	1,375.78	498.04
27 14 23 16-0275 MLF 6-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	1,473.71	498.04
27 14 23 16-0276 MLF 8-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	1,702.20	498.04
27 14 23 16-0277 MLF 12-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	1,999.22	498.04
27 14 23 16-0278 MLF 18-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	4,556.28	560.30
27 14 23 16-0279 MLF 24-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	4,885.59	560.30
27 14 23 16-0280 MLF 36-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	7,147.15	560.30
27 14 23 16-0281 MLF 48-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	7,959.19	560.30
27 14 23 16-0282 MLF 60-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	9,004.08	560.30

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27 14 23 16-0283 MLF 72-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	10,627.72	560.30
27 14 23 16-0284 MLF 96-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	13,948.45	560.30
27 14 23 16-0285 Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed (27 14 23 16-0241)		
27 14 23 16-0286 Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed (27 14 23 16-0285)		
27 14 23 16-0287 MLF 2-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	2,757.64	498.04
27 14 23 16-0288 MLF 4-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	3,122.20	498.04
27 14 23 16-0289 MLF 6-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	3,998.60	498.04
27 14 23 16-0290 MLF 8-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	4,857.50	498.04
27 14 23 16-0291 MLF 12-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	6,228.29	498.04
27 14 23 16-0292 MLF 18-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	8,783.99	560.30
27 14 23 16-0293 MLF 24-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	12,558.79	560.30
27 14 23 16-0294 MLF 36-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	15,141.05	560.30
27 14 23 16-0295 MLF 48-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	18,831.43	560.30
27 14 23 16-0296 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed (27 14 23 16-0285)		
27 14 23 16-0297 MLF 2-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	2,405.86	498.04
27 14 23 16-0298 MLF 4-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	3,182.31	498.04
27 14 23 16-0299 MLF 6-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	3,640.20	498.04
27 14 23 16-0300 MLF 8-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	4,280.02	498.04
27 14 23 16-0301 MLF 12-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	5,501.34	498.04
27 14 23 16-0302 MLF 18-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	7,206.47	560.30
27 14 23 16-0303 MLF 24-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	8,590.02	560.30
27 14 23 16-0304 MLF 36-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	12,401.90	560.30
27 14 23 16-0305 MLF 48-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	16,615.43	560.30
27 14 23 16-0306 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed (27 14 23 16-0285)		
27 14 23 16-0307 MLF 2-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	2,484.65	498.04
27 14 23 16-0308 MLF 4-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	3,299.92	498.04
27 14 23 16-0309 MLF 6-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	3,780.71	498.04
27 14 23 16-0310 MLF 8-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	4,452.52	498.04
27 14 23 16-0311 MLF 12-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	5,734.90	498.04
27 14 23 16-0312 MLF 18-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	7,520.10	560.30
27 14 23 16-0313 MLF 24-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	8,972.83	560.30
27 14 23 16-0314 MLF 36-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	12,975.30	560.30
27 14 23 16-0315 MLF 48-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	17,399.51	560.30
27 14 23 16-0316 Hybrid, Indoor Fiber Optic Cable, Installed In Conduit (27 14 23 16-0001) Note: Singlemode and multimode combination cable. Excludes conduit or innerduct.		
27 14 23 16-0317 Distribution Riser Rated, Hybrid, Indoor Fiber Optic Cable, Installed In Conduit (27 14 23 16-0316)		
27 14 23 16-0318 MLF 6-Fiber, 2 Singlemode/4 Multimode, Distribution Riser Rated, Hybrid, Indoor Fiber Optic Cable, Installed In Conduit.....	1,275.49	373.53
27 14 23 16-0319 MLF 12-Fiber, 6 Singlemode/6 Multimode, Distribution Riser Rated, Hybrid, Indoor Fiber Optic Cable, Installed In Conduit.....	1,882.11	373.53
27 14 23 16-0320 MLF 24-Fiber, 12 Singlemode/12 Multimode, Distribution Riser Rated, Hybrid, Indoor Fiber Optic Cable, Installed In Conduit.....	3,170.92	435.79
27 14 23 16-0321 MLF 48-Fiber, 24 Singlemode/24 Multimode, Distribution Riser Rated, Hybrid, Indoor Fiber Optic Cable, Installed In Conduit.....	3,882.89	435.79
27 14 23 16-0322 Distribution Plenum Rated, Hybrid, Indoor Fiber Optic Cable, Installed In Conduit (27 14 23 16-0316)		
27 14 23 16-0323 MLF 6-Fiber, 2 Singlemode/4 Multimode, Distribution Plenum Rated, Hybrid, Indoor Fiber Optic Cable, Installed In Conduit.....	1,490.63	373.53



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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 14 23 16-0324 MLF 12-Fiber, 6 Singlemode/6 Multimode, Distribution Plenum Rated, Hybrid, Indoor Fiber Optic Cable, Installed In Conduit	2,192.94	373.53
27 14 23 16-0325 MLF 24-Fiber, 12 Singlemode/12 Multimode, Distribution Plenum Rated, Hybrid, Indoor Fiber Optic Cable, Installed In Conduit	3,592.24	435.79
27 14 23 16-0326 MLF 48-Fiber, 24 Singlemode/24 Multimode, Distribution Plenum Rated, Hybrid, Indoor Fiber Optic Cable, Installed In Conduit	10,196.22	435.79
27 14 23 16-0327 Hybrid, Indoor Fiber Optic Cable, Installed Exposed <small>(27 14 23 16-0001)</small> Note: Singlemode and multimode combination cable. For non-conduit installations such as cable trays, surface runways, etc.		
27 14 23 16-0328 Distribution Riser Rated, Hybrid, Indoor Fiber Optic Cable, Installed Exposed <small>(27 14 23 16-0327)</small>		
27 14 23 16-0329 MLF 6-Fiber, 2 Singlemode/4 Multimode, Distribution Riser Rated, Hybrid, Indoor Fiber Optic Cable, Installed Exposed	1,483.01	498.04
27 14 23 16-0330 MLF 12-Fiber, 6 Singlemode/6 Multimode, Distribution Riser Rated, Hybrid, Indoor Fiber Optic Cable, Installed Exposed	2,089.63	498.04
27 14 23 16-0331 MLF 24-Fiber, 12 Singlemode/12 Multimode, Distribution Riser Rated, Hybrid, Indoor Fiber Optic Cable, Installed Exposed	3,378.43	560.30
27 14 23 16-0332 MLF 48-Fiber, 24 Singlemode/24 Multimode, Distribution Riser Rated, Hybrid, Indoor Fiber Optic Cable, Installed Exposed	4,090.40	560.30
27 14 23 16-0333 Distribution Plenum Rated, Hybrid, Indoor Fiber Optic Cable, Installed Exposed <small>(27 14 23 16-0327)</small>		
27 14 23 16-0334 MLF 6-Fiber, 2 Singlemode/4 Multimode, Distribution Plenum Rated, Hybrid, Indoor Fiber Optic Cable, Installed Exposed	1,698.15	498.04
27 14 23 16-0335 MLF 12-Fiber, 6 Singlemode/6 Multimode, Distribution Plenum Rated, Hybrid, Indoor Fiber Optic Cable, Installed Exposed	2,400.46	498.04
27 14 23 16-0336 MLF 24-Fiber, 12 Singlemode/12 Multimode, Distribution Plenum Rated, Hybrid, Indoor Fiber Optic Cable, Installed Exposed	3,799.75	560.30
27 14 23 16-0337 MLF 48-Fiber, 24 Singlemode/24 Multimode, Distribution Plenum Rated, Hybrid, Indoor Fiber Optic Cable, Installed Exposed	10,403.73	560.30
27 14 23 16-0338 Outdoor Fiber Optic Cable <small>(27 14 23 16)</small>		
27 14 23 16-0339 Outdoor Fiber Optic Cable, Installed In Conduit <small>(27 14 23 16-0338)</small> Note: Excludes conduit or innerduct.		
27 14 23 16-0340 Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <small>(27 14 23 16-0339)</small>		
27 14 23 16-0341 Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <small>(27 14 23 16-0340)</small>		
27 14 23 16-0342 MLF 2-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	1,466.04	747.07
<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	118.66	
27 14 23 16-0343 MLF 4-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	1,478.59	747.07
<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	118.84	
27 14 23 16-0344 MLF 6-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	1,491.31	747.07
<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	118.82	
27 14 23 16-0345 MLF 8-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	1,503.86	747.07
<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	119.00	
27 14 23 16-0346 MLF 12-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	1,529.11	747.07
<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	119.18	
27 14 23 16-0347 MLF 18-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	1,589.06	747.07
<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	115.00	
27 14 23 16-0348 MLF 24-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	1,626.70	747.07
<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	115.52	
27 14 23 16-0349 MLF 36-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	1,716.25	747.07
<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	122.32	
27 14 23 16-0350 MLF 48-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	1,810.52	747.07
<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	123.54	
27 14 23 16-0351 MLF 60-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	1,903.38	747.07
<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	124.76	
27 14 23 16-0352 MLF 72-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	2,025.88	747.07
<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	150.02	
27 14 23 16-0353 MLF 96-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	2,267.72	747.07
<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	161.00	
27 14 23 16-0354 MLF 120-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	2,510.78	747.07
<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	190.63	
27 14 23 16-0355 MLF 144-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	2,762.57	747.07
<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	205.60	
27 14 23 16-0356 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <small>(27 14 23 16-0340)</small>		
27 14 23 16-0357 MLF 2-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	1,585.52	747.07
<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	119.41	
27 14 23 16-0358 MLF 4-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	1,715.56	747.07
<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	122.14	
27 14 23 16-0359 MLF 6-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	1,848.67	747.07
<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	122.49	

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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 14 23 16-0360 MLF 8-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,980.40 123.02	747.07
27 14 23 16-0361 MLF 12-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,243.85 125.11	747.07
27 14 23 16-0362 MLF 18-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,660.28 126.85	747.07
27 14 23 16-0363 MLF 24-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	3,055.46 128.24	747.07
27 14 23 16-0364 MLF 36-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	3,859.05 151.59	747.07
27 14 23 16-0365 MLF 48-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	4,667.53 162.74	747.07
27 14 23 16-0366 MLF 60-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	5,474.78 173.89	747.07
27 14 23 16-0367 MLF 72-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	6,323.33 208.91	747.07
27 14 23 16-0368 MLF 96-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	8,034.54 239.93	747.07
27 14 23 16-0369 MLF 120-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	9,765.45 289.75	747.07
27 14 23 16-0370 MLF 144-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	11,530.67 292.20	747.07
27 14 23 16-0371 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <small>(27 14 23 16-0340)</small>		
27 14 23 16-0372 MLF 2-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,521.68 99.94	747.07
27 14 23 16-0373 MLF 4-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,617.77 107.18	747.07
27 14 23 16-0374 MLF 6-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,713.71 114.24	747.07
27 14 23 16-0375 MLF 8-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,832.23 130.05	747.07
27 14 23 16-0376 MLF 12-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,001.97 135.61	747.07
27 14 23 16-0377 MLF 18-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,302.06 144.53	747.07
27 14 23 16-0378 MLF 24-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,586.33 166.21	747.07
27 14 23 16-0379 MLF 36-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	3,130.38 184.70	747.07
27 14 23 16-0380 MLF 48-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	3,766.72 212.37	747.07
27 14 23 16-0381 MLF 60-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	4,354.47 228.52	747.07
27 14 23 16-0382 MLF 72-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	4,974.81 258.65	747.07
27 14 23 16-0383 MLF 96-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	6,229.46 290.82	747.07
27 14 23 16-0384 MLF 120-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	7,504.26 330.05	747.07
27 14 23 16-0385 MLF 144-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	8,798.74 303.17	747.07
27 14 23 16-0386 Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <small>(27 14 23 16-0339)</small>		
27 14 23 16-0387 Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <small>(27 14 23 16-0386)</small>		
27 14 23 16-0388 MLF 2-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,550.02 148.11	747.07
27 14 23 16-0389 MLF 4-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,562.75 148.11	747.07
27 14 23 16-0390 MLF 6-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,575.11 148.81	747.07
27 14 23 16-0391 MLF 8-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,587.84 148.80	747.07
27 14 23 16-0392 MLF 12-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,612.75 149.85	747.07
27 14 23 16-0393 MLF 18-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,667.81 151.24	747.07
27 14 23 16-0394 MLF 24-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,705.45 152.11	747.07
27 14 23 16-0395 MLF 36-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,799.36 151.42	747.07
27 14 23 16-0396 MLF 48-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,893.63 156.82	747.07
27 14 23 16-0397 MLF 60-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,986.49 158.91	747.07
27 14 23 16-0398 MLF 72-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,116.31 169.02	747.07



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27 14 23 16-0399 MLF 96-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,365.30 192.53	747.07
27 14 23 16-0400 MLF 120-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,646.87 200.38	747.07
27 14 23 16-0401 MLF 144-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,876.69 221.47	747.07
27 14 23 16-0402 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <small>(27 14 23 16-0386)</small>		
27 14 23 16-0403 MLF 2-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,668.51 151.41	747.07
27 14 23 16-0404 MLF 4-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,799.02 155.59	747.07
27 14 23 16-0405 MLF 6-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,806.39 157.99	747.07
27 14 23 16-0406 MLF 8-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,060.72 163.09	747.07
27 14 23 16-0407 MLF 12-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,322.26 170.92	747.07
27 14 23 16-0408 MLF 18-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,731.89 183.12	747.07
27 14 23 16-0409 MLF 24-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	3,124.29 194.62	747.07
27 14 23 16-0410 MLF 36-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	3,927.88 236.62	747.07
27 14 23 16-0411 MLF 48-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	4,731.30 242.02	747.07
27 14 23 16-0412 MLF 60-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	5,537.33 261.72	747.07
27 14 23 16-0413 MLF 72-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	6,381.00 288.90	747.07
27 14 23 16-0414 MLF 96-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	8,088.91 285.06	747.07
27 14 23 16-0415 MLF 120-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	9,907.63 293.59	747.07
27 14 23 16-0416 MLF 144-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	11,589.56 333.15	747.07
27 14 23 16-0417 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <small>(27 14 23 16-0386)</small>		
27 14 23 16-0418 MLF 2-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,586.56 125.45	747.07
27 14 23 16-0419 MLF 4-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,680.65 135.61	747.07
27 14 23 16-0420 MLF 6-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,774.59 145.76	747.07
27 14 23 16-0421 MLF 8-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,868.68 155.90	747.07
27 14 23 16-0422 MLF 12-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,112.41 167.69	747.07
27 14 23 16-0423 MLF 18-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,351.41 196.50	747.07
27 14 23 16-0424 MLF 24-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,644.26 213.44	747.07
27 14 23 16-0425 MLF 36-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	3,211.11 263.71	747.07
27 14 23 16-0426 MLF 48-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	3,788.56 302.14	747.07
27 14 23 16-0427 MLF 60-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	4,368.00 336.45	747.07
27 14 23 16-0428 MLF 72-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	4,977.27 375.20	747.07
27 14 23 16-0429 MLF 96-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	6,213.63 442.41	747.07
27 14 23 16-0430 MLF 120-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	10,340.75 457.34	747.07
27 14 23 16-0431 MLF 144-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	8,744.63 472.12	747.07
27 14 23 16-0432 Outdoor Fiber Optic Cable, Buried In Trench <small>(27 14 23 16-0338)</small>		
Note: Excludes trenching.		
27 14 23 16-0433 Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <small>(27 14 23 16-0432)</small>		
27 14 23 16-0434 Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <small>(27 14 23 16-0433)</small>		
27 14 23 16-0435 MLF 2-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,362.28 118.66	
27 14 23 16-0436 MLF 4-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,374.83 118.84	

27	Communications
27 10	Structured Cabling
27 14	Communications Cabling



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 14 23 16-0437 MLF 6-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,387.55 118.82	
27 14 23 16-0438 MLF 8-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,400.10 119.00	
27 14 23 16-0439 MLF 12-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,425.35 119.18	
27 14 23 16-0440 MLF 18-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,485.30 115.00	
27 14 23 16-0441 MLF 24-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,522.94 115.52	
27 14 23 16-0442 MLF 36-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,612.49 122.32	
27 14 23 16-0443 MLF 48-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,706.76 123.54	
27 14 23 16-0444 MLF 60-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,799.62 124.76	
27 14 23 16-0445 MLF 72-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,922.12 150.02	
27 14 23 16-0446 MLF 96-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,163.96 161.00	
27 14 23 16-0447 MLF 120-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,407.02 190.63	
27 14 23 16-0448 MLF 144-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,658.81 205.60	
27 14 23 16-0449 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <small>(27 14 23 16-0433)</small>		
27 14 23 16-0450 MLF 2-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,481.76 119.41	
27 14 23 16-0451 MLF 4-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,611.80 122.14	
27 14 23 16-0452 MLF 6-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,744.91 122.49	
27 14 23 16-0453 MLF 8-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,876.64 123.02	
27 14 23 16-0454 MLF 12-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,140.09 125.11	
27 14 23 16-0455 MLF 18-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,556.52 126.85	
27 14 23 16-0456 MLF 24-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,951.70 128.24	
27 14 23 16-0457 MLF 36-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	3,755.29 151.59	
27 14 23 16-0458 MLF 48-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	4,563.77 162.74	
27 14 23 16-0459 MLF 60-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	5,371.02 173.89	
27 14 23 16-0460 MLF 72-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	6,219.57 208.91	
27 14 23 16-0461 MLF 96-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	7,930.78 239.93	
27 14 23 16-0462 MLF 120-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	9,661.69 289.75	
27 14 23 16-0463 MLF 144-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	11,426.91 292.20	
27 14 23 16-0464 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <small>(27 14 23 16-0433)</small>		
27 14 23 16-0465 MLF 2-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,417.92 99.94	
27 14 23 16-0466 MLF 4-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,514.01 107.18	
27 14 23 16-0467 MLF 6-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,609.95 114.24	
27 14 23 16-0468 MLF 8-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,728.47 130.05	
27 14 23 16-0469 MLF 12-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,898.21 135.61	
27 14 23 16-0470 MLF 18-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,198.30 144.53	
27 14 23 16-0471 MLF 24-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,482.57 166.21	
27 14 23 16-0472 MLF 36-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	3,026.62 184.70	
27 14 23 16-0473 MLF 48-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	3,662.96 212.37	
27 14 23 16-0474 MLF 60-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	4,250.71 228.52	
27 14 23 16-0475 MLF 72-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	4,871.05 258.65	



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Structured Cabling	27 10
Communications Cabling	27 14

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 14 23 16-0476 MLF 96-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	6,125.70 290.82	
27 14 23 16-0477 MLF 120-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	7,400.50 330.05	
27 14 23 16-0478 MLF 144-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	8,694.98 303.17	
27 14 23 16-0479 Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench ⁽²⁷ ^{14 23 16-0432)}		
27 14 23 16-0480 Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench ^(27 14 23 16-0479)		
27 14 23 16-0481 MLF 2-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,446.26 148.11	
27 14 23 16-0482 MLF 4-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,458.99 148.11	
27 14 23 16-0483 MLF 6-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,471.35 148.81	
27 14 23 16-0484 MLF 8-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,484.08 148.80	
27 14 23 16-0485 MLF 12-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,508.99 149.85	
27 14 23 16-0486 MLF 18-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,564.05 151.24	
27 14 23 16-0487 MLF 24-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,601.69 152.11	
27 14 23 16-0488 MLF 36-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,695.60 151.42	
27 14 23 16-0489 MLF 48-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,789.87 156.82	
27 14 23 16-0490 MLF 60-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,882.73 158.91	
27 14 23 16-0491 MLF 72-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,012.55 169.02	
27 14 23 16-0492 MLF 96-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,261.54 192.53	
27 14 23 16-0493 MLF 120-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,543.11 200.38	
27 14 23 16-0494 MLF 144-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,772.93 221.47	
27 14 23 16-0495 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench ^(27 14 23 16-0479)		
27 14 23 16-0496 MLF 2-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,564.75 151.41	
27 14 23 16-0497 MLF 4-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,695.26 155.59	
27 14 23 16-0498 MLF 6-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,702.63 157.99	
27 14 23 16-0499 MLF 8-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,956.96 163.09	
27 14 23 16-0500 MLF 12-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,218.50 170.92	
27 14 23 16-0501 MLF 18-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,628.13 183.12	
27 14 23 16-0502 MLF 24-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	3,020.53 194.62	
27 14 23 16-0503 MLF 36-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	3,824.12 236.62	
27 14 23 16-0504 MLF 48-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	4,627.54 242.02	
27 14 23 16-0505 MLF 60-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	5,433.57 261.72	
27 14 23 16-0506 MLF 72-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	6,277.24 288.90	
27 14 23 16-0507 MLF 96-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	7,985.15 285.06	
27 14 23 16-0508 MLF 120-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	9,803.87 293.59	
27 14 23 16-0509 MLF 144-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	11,485.80 333.15	
27 14 23 16-0510 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench ^(27 14 23 16-0479)		
27 14 23 16-0511 MLF 2-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,482.80 125.45	
27 14 23 16-0512 MLF 4-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,576.89 135.61	
27 14 23 16-0513 MLF 6-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,670.83 145.76	

27	Communications
27 10	Structured Cabling
27 14	Communications Cabling



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 14 23 16-0514 MLF 8-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,764.92 155.90	
27 14 23 16-0515 MLF 12-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,008.65 167.69	
27 14 23 16-0516 MLF 18-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,247.65 196.50	
27 14 23 16-0517 MLF 24-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,540.50 213.44	
27 14 23 16-0518 MLF 36-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	3,107.35 263.71	
27 14 23 16-0519 MLF 48-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	3,684.80 302.14	
27 14 23 16-0520 MLF 60-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	4,264.24 336.45	
27 14 23 16-0521 MLF 72-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	4,873.51 375.20	
27 14 23 16-0522 MLF 96-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	6,109.87 442.41	
27 14 23 16-0523 MLF 120-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	7,427.10 457.34	
27 14 23 16-0524 MLF 144-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	8,640.87 472.12	
27 14 23 16-0525 (Aerial) Outdoor Fiber Optic Cable, Installed On Poles (27 14 23 16-0338)		
27 14 23 16-0526 Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles (27 14 23 16-0525)		
27 14 23 16-0527 Singlemode, Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles (27 14 23 16-0526)		
27 14 23 16-0528 MLF 2-Fiber, Singlemode, Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	7,306.53 115.69	2,664.18
27 14 23 16-0529 MLF 4-Fiber, Singlemode, Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	7,320.99 116.22	2,664.18
27 14 23 16-0530 MLF 6-Fiber, Singlemode, Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	7,335.63 116.57	2,664.18
27 14 23 16-0531 MLF 8-Fiber, Singlemode, Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	7,350.44 116.91	2,664.18
27 14 23 16-0532 MLF 12-Fiber, Singlemode, Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	7,379.53 117.79	2,664.18
27 14 23 16-0533 MLF 18-Fiber, Singlemode, Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	7,442.44 119.70	2,664.18
27 14 23 16-0534 MLF 24-Fiber, Singlemode, Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	7,486.17 121.27	2,664.18
27 14 23 16-0535 MLF 36-Fiber, Singlemode, Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	7,594.37 124.41	2,664.18
27 14 23 16-0536 MLF 48-Fiber, Singlemode, Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	7,678.19 141.66	2,664.18
27 14 23 16-0537 MLF 60-Fiber, Singlemode, Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	7,802.42 144.45	2,664.18
27 14 23 16-0538 MLF 72-Fiber, Singlemode, Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	7,917.94 163.43	2,664.18
27 14 23 16-0539 MLF 96-Fiber, Singlemode, Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	8,185.75 181.38	2,664.18
27 14 23 16-0540 MLF 120-Fiber, Singlemode, Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	8,455.29 211.00	2,664.18
27 14 23 16-0541 MLF 144-Fiber, Singlemode, Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	8,740.35 234.35	2,664.18
27 14 23 16-0542 Hybrid, Indoor/Outdoor Fiber Optic Cable, Installed In Conduit (27 14 23 16-0338) Note: Singlemode and multimode combination cable. Excludes conduit or innerduct.		
27 14 23 16-0543 Riser Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Installed In Conduit (27 14 23 16-0542)		
27 14 23 16-0544 MLF 12-Fiber, 6 Singlemode/6 Multimode, Riser Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Installed In Conduit.....	3,264.63	622.55
27 14 23 16-0545 MLF 24-Fiber, 12 Singlemode/12 Multimode, Riser Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Installed In Conduit	4,111.03	622.55
27 14 23 16-0546 MLF 48-Fiber, 24 Singlemode/24 Multimode, Riser Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Installed In Conduit	5,996.51	622.55
27 14 23 16-0547 Plenum Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Installed In Conduit (27 14 23 16-0542)		
27 14 23 16-0548 MLF 12-Fiber, 6 Singlemode/6 Multimode, Plenum Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Installed In Conduit.....	4,344.17	622.55
27 14 23 16-0549 MLF 24-Fiber, 12 Singlemode/12 Multimode, Plenum Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Installed In Conduit	4,825.17	622.55
27 14 23 16-0550 MLF 48-Fiber, 24 Singlemode/24 Multimode, Plenum Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Installed In Conduit	6,929.18	622.55



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27 14 23 16-0551 Hybrid, Indoor/Outdoor Fiber Optic Cable, Buried In Trench <small>(27 14 23 16-0338)</small> Note: Singlemode and multimode combination cable. Excludes trenching.		
27 14 23 16-0552 Riser Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Buried In Trench <small>(27 14 23 16-0551)</small>		
27 14 23 16-0553 MLF 12-Fiber, 6 Singlemode/6 Multimode, Riser Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Buried In Trench.....	3,160.87	570.67
27 14 23 16-0554 MLF 24-Fiber, 12 Singlemode/12 Multimode, Riser Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Buried In Trench.....	4,007.27	570.67
27 14 23 16-0555 MLF 48-Fiber, 24 Singlemode/24 Multimode, Riser Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Buried In Trench.....	5,892.75	570.67
27 14 23 16-0556 Plenum Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Buried In Trench <small>(27 14 23 16-0551)</small>		
27 14 23 16-0557 MLF 12-Fiber, 6 Singlemode/6 Multimode, Plenum Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Buried In Trench.....	4,240.41	570.67
27 14 23 16-0558 MLF 24-Fiber, 12 Singlemode/12 Multimode, Plenum Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Buried In Trench.....	4,721.41	570.67
27 14 23 16-0559 MLF 48-Fiber, 24 Singlemode/24 Multimode, Plenum Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Buried In Trench.....	6,825.42	570.67
27 14 33 Communications Coaxial Cabling <small>(27 14)</small>		
27 14 33 16 Communications Coaxial Cabling <small>(27 14 33)</small>		
27 14 33 16-0001 Indoor Coaxial Cable <small>(27 14 33 16)</small>		
27 14 33 16-0002 Coaxial Distribution Cable <small>(27 14 33 16-0001)</small> Note: Cables shall be as Belden, Times Fiber, West Penn or approved equal		
27 14 33 16-0003 MLF RG-6/U Coaxial Distribution Cable, In Conduit.....	1,686.36	303.54
27 14 33 16-0004 MLF RG-6A/U Coaxial Distribution Cable, In Conduit.....	5,543.23	303.54
27 14 33 16-0005 MLF RG-8/U Coaxial Distribution Cable, In Conduit.....	3,057.02	320.62
27 14 33 16-0006 MLF RG-8A/U Coaxial Distribution Cable, In Conduit.....	3,781.50	320.62
27 14 33 16-0007 MLF RG-11/U Coaxial Distribution Cable, In Conduit.....	3,443.32	379.43
27 14 33 16-0008 MLF RG-11A/U Coaxial Distribution Cable, In Conduit.....	4,844.42	379.43
27 14 33 16-0009 MLF RG-11/U Coaxial Distribution Cable, In Plenum.....	10,802.14	758.86
27 14 33 16-0010 MLF RG-58/U Coaxial Distribution Cable, In Conduit.....	1,279.12	265.61
27 14 33 16-0011 MLF RG-58A/U Coaxial Distribution Cable, In Conduit.....	1,422.68	265.61
27 14 33 16-0012 MLF RG-58C/U Coaxial Distribution Cable, In Conduit.....	1,675.58	265.61
27 14 33 16-0013 MLF RG-58/U Coaxial Distribution Cable, In Plenum.....	3,991.45	531.20
27 14 33 16-0014 MLF RG-59/U Coaxial Distribution Cable, In Conduit.....	1,949.83	265.61
27 14 33 16-0015 MLF RG-59/U Coaxial Distribution Cable, In Plenum.....	4,743.90	531.20
27 14 33 16-0016 MLF 1/2" Hard Line Coaxial, In Conduit.....	2,145.55	531.20
27 14 33 16-0017 Coaxial, Indoor Telecommunications Cable <small>(27 14 33 16-0001)</small>		
27 14 33 16-0018 Coaxial, Indoor Telecommunications Cable, Installed In Conduit <small>(27 14 33 16-0017)</small>		
27 14 33 16-0019 MLF RG 59/U Coaxial, Indoor Telecommunications Cable, Installed In Conduit (Belden 9108).....	1,128.29	435.79
27 14 33 16-0020 MLF RG 59/U Plenum Coaxial, Indoor Telecommunications Cable, Installed In Conduit (Belden 82108).....	2,274.85	435.79
27 14 33 16-0021 MLF RG 6/U Coaxial, Indoor Telecommunications Cable, Installed In Conduit (Belden 9114).....	1,023.64	498.04
27 14 33 16-0022 MLF RG 6/U Plenum Coaxial, Indoor Telecommunications Cable, Installed In Conduit (Belden 82120).....	2,830.25	498.04
27 14 33 16-0023 Coaxial, Indoor Telecommunications Cable, Installed Exposed <small>(27 14 33 16-0017)</small>		
27 14 33 16-0024 MLF RG 59/U Coaxial, Indoor Telecommunications Cable, Installed Exposed (Belden 9108).....	1,854.60	871.58
27 14 33 16-0025 MLF RG 59/U Plenum Coaxial, Indoor Telecommunications Cable, Installed Exposed (Belden 82108).....	3,001.16	871.58
27 14 33 16-0026 MLF RG 6/U Coaxial, Indoor Telecommunications Cable, Installed Exposed (Belden 9114).....	1,853.72	996.09
27 14 33 16-0027 MLF RG 6/U Plenum Coaxial, Indoor Telecommunications Cable, Installed Exposed (Belden 82120).....	3,660.33	996.09
27 14 33 16-0028 Outdoor Coaxial Cable <small>(27 14 33 16)</small>		
27 14 33 16-0029 Coaxial Cables "Television" Copper Covered Aluminum Center Core <small>(27 14 33 16-0028)</small> Note: Corrugated steel armor jacket.		
27 14 33 16-0030 MLF TV Coaxial Trunk Cable 3/4" Diameter, Direct Burial.....	5,146.81	1,420.21
27 14 33 16-0031 MLF TV Coaxial Distribution Cable 1/2" Diameter, Direct Burial.....	3,316.24	998.94
27 14 33 16-0032 MLF TV Coaxial Distribution Cable 3/8" Diameter, Direct Burial.....	2,626.66	589.35
27 14 33 16-0033 MLF TV Coaxial Cable Drop 1/4" Diameter, Direct Burial.....	1,621.02	589.35
27 14 33 16-0034 MLF TV Coaxial Cable Drop 1/4" Diameter, Placed In Conduit.....	2,449.84	920.87
27 14 43 Communications Faceplates And Connectors <small>(27 14)</small>		
27 14 43 00-0001 Plastic Communications Faceplates <small>(27 14 43)</small> Note: Excludes modular jacks. See CSI section 27 14 43 00-0035 for modular jacks.		
27 14 43 00-0002 EA One Port, Single Gang, Plastic Communication Faceplate With Station ID.....	7.54	2.60
27 14 43 00-0003 EA Two Port, Single Gang, Plastic Communication Faceplate With Station ID.....	7.54	2.60
27 14 43 00-0004 EA Three Port, Single Gang, Plastic Communication Faceplate With Station ID.....	7.54	2.60
27 14 43 00-0005 EA Four Port, Single Gang, Plastic Communication Faceplate With Station ID.....	7.54	2.60
27 14 43 00-0006 EA Six Port, Single Gang, Plastic Communication Faceplate With Station ID.....	7.54	2.60
27 14 43 00-0007 EA Four Port, Double Gang, Plastic Communications Faceplate With Station ID.....	10.69	2.60
27 14 43 00-0008 EA Six Port, Double Gang, Plastic Communication Faceplate With Station ID.....	10.69	2.60
27 14 43 00-0009 EA Eight Port, Double Gang, Plastic Communication Faceplate With Station ID.....	10.69	2.60
27 14 43 00-0010 EA Nine Port, Double Gang, Plastic Communication Faceplate With Station ID.....	10.69	2.60

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27 14 43 00-0011 EA Twelve Port, Double Gang, Plastic Communication Faceplate With Station ID.....	10.69	2.60
27 14 43 00-0012 Stainless Steel Communications Faceplates <small>(27 14 43)</small> Note: Excludes modular jacks. See CSI section 27 14 43 00-0035 for modular jacks.		
27 14 43 00-0013 Stainless Steel Communications Faceplates <small>(27 14 43 00-0012)</small>		
27 14 43 00-0014 EA One Port, Single Gang, Stainless Steel Communications Faceplate.....	13.20	2.60
27 14 43 00-0015 EA Two Port, Single Gang, Stainless Steel Communications Faceplate.....	13.20	2.60
27 14 43 00-0016 EA Three Port, Single Gang, Stainless Steel Communications Faceplate.....	13.20	2.60
27 14 43 00-0017 EA Four Port, Single Gang, Stainless Steel Communications Faceplate.....	14.03	2.60
27 14 43 00-0018 EA Six Port, Single Gang, Stainless Steel Communications Faceplate.....	14.03	2.60
27 14 43 00-0019 EA Four Port, Double Gang, Stainless Steel Communications Faceplate.....	18.50	2.60
27 14 43 00-0020 EA Six Port, Double Gang, Stainless Steel Communications Faceplate.....	19.02	2.60
27 14 43 00-0021 EA Eight Port, Double Gang, Stainless Steel Communications Faceplate.....	21.82	2.60
27 14 43 00-0022 EA Nine Port, Double Gang, Stainless Steel Communication Faceplate.....	21.82	2.60
27 14 43 00-0023 EA Twelve Port, Double Gang, Stainless Steel Communications Faceplate.....	21.82	2.60
27 14 43 00-0024 Stainless Steel Communications Faceplates With Station ID <small>(27 14 43 00-0012)</small>		
27 14 43 00-0025 EA One Port, Single Gang, Stainless Steel Communications Faceplate With Station ID.....	18.40	2.60
27 14 43 00-0026 EA Two Port, Single Gang, Stainless Steel Communications Faceplate With Station ID.....	18.40	2.60
27 14 43 00-0027 EA Three Port, Single Gang, Stainless Steel Communications Faceplate With Station ID.....	18.40	2.60
27 14 43 00-0028 EA Four Port, Single Gang, Stainless Steel Communications Faceplate With Station ID.....	18.40	2.60
27 14 43 00-0029 EA Six Port, Single Gang, Stainless Steel Communications Faceplate With Station ID.....	18.40	2.60
27 14 43 00-0030 EA Four Port, Double Gang, Stainless Steel Communications Faceplate With Station ID.....	38.24	2.60
27 14 43 00-0031 EA Six Port, Double Gang, Stainless Steel Communications Faceplate With Station ID.....	38.24	2.60
27 14 43 00-0032 EA Eight Port, Double Gang, Stainless Steel Communications Faceplate With Station ID.....	38.24	2.60
27 14 43 00-0033 EA Nine Port, Double Gang, Stainless Steel Communication Faceplate With Station ID.....	38.24	2.60
27 14 43 00-0034 EA Twelve Port, Double Gang, Stainless Steel Communications Faceplate With Station ID.....	38.24	2.60
27 14 43 00-0035 Snap-In Modular Jacks <small>(27 14 43)</small> Note: Includes termination.		
27 14 43 00-0036 EA Cat 3, Snap-In Modular Jack.....	26.69	10.39
27 14 43 00-0037 EA Cat 5E, Snap-In Modular Jack.....	27.84	10.39
27 14 43 00-0038 EA Cat 5E Shielded, Snap-In Modular Jack.....	31.26	10.39
27 14 43 00-0039 EA Cat 6, Snap-In Modular Jack.....	31.26	10.39
27 14 43 00-0040 EA Cat 6 Shielded, Snap-In Modular Jack.....	35.11	10.39
27 14 43 00-0041 EA Cat 6A, Snap-In Modular Jack.....	35.69	10.39
27 14 43 00-0042 EA Voice, RJ-11, Snap-In Modular Jack.....	16.68	5.20
27 14 43 00-0043 EA SC Type Fiber Optic, Snap-In Modular Jack.....	29.29	10.39
27 14 43 00-0044 EA ST Type Fiber Optic, Snap-In Modular Jack.....	32.20	10.39
27 14 43 00-0045 EA LC Type Fiber Optic, Snap-In Modular Jack.....	37.91	10.39
27 14 43 00-0046 EA Blank Fill In, Snap-In Modular Jack.....	5.74	2.60
27 14 43 00-0047 EA Open Cable Pass Through Insert, Snap-In Modular Jack.....	6.31	2.60
27 14 43 00-0048 EA Coaxial F-Type Coupler, Snap-In Modular Jack.....	21.93	7.79
Note: Includes female to female connection.		
<i>For Gold Bulkhead, Add</i>	1.11	
27 14 43 00-0049 EA RCA Jack Pass-Through Coupler, Snap-In Modular Jack.....	22.14	7.79
Note: Includes female to female connection.		
27 14 43 00-0050 EA RCA Solder Coupler, Snap-In Modular Jack.....	46.44	10.39
27 14 43 00-0051 EA RCA Jack With 110 Punch Down, Snap-In Modular Jack.....	54.86	10.39
27 14 43 00-0052 EA 3.5 m Mini Stereo Jack, Snap-In Modular Jack.....	27.52	10.39
27 14 43 00-0053 EA MT-RJ Pass-Through Coupler, Snap-In Modular Jack.....	26.47	5.20
27 14 43 00-0054 EA BNC Connector, Snap-In Modular Jack.....	30.95	10.39
27 14 43 00-0055 EA S-Video With 110 Punch Down, Snap-In Modular Jack.....	34.07	10.39
27 14 43 00-0056 PR Speaker Connectors, Snap-In Modular Jack.....	44.54	15.59
Note: Includes a pair of binding posts, banana jacks or spring clip connectors. Requires two open ports.		
27 14 43 00-0057 EA USB Audio Video Connector, Snap-In Modular Jack.....	48.41	10.39
27 14 43 00-0058 Surface Mount Plastic Communication Boxes <small>(27 14 43)</small> Note: Excludes modular jacks. See CSI section 27 14 43 00-0035 for modular jacks.		
27 14 43 00-0059 EA One Port, Surface Mount Plastic Communication Box With Station ID.....	28.93	12.99
27 14 43 00-0060 EA Two Port, Surface Mount Plastic Communication Box With Station ID.....	29.45	12.99
27 14 43 00-0061 EA Four Port, Surface Mount Plastic Communication Box With Station ID.....	33.04	12.99
27 14 43 00-0062 EA Six Port, Surface Mount Plastic Communication Box With Station ID.....	37.30	12.99
27 14 43 00-0063 EA Twelve Port, Surface Mount Plastic Communication Box With Station ID.....	41.76	12.99
27 14 43 00-0064 Wall Mounted Telephone Faceplates <small>(27 14 43)</small> Note: Includes standard telephone mounting studs.		
27 14 43 00-0065 Plastic Faceplates For Wall Mounted Telephones <small>(27 14 43 00-0064)</small>		
27 14 43 00-0066 EA Single Gang, 6-Position RJ25 Jack, Flush, Plastic Faceplate For Wall Mounted Telephones.....	32.48	12.97
27 14 43 00-0067 Stainless Steel Faceplates For Wall Mounted Telephones <small>(27 14 43 00-0064)</small>		
27 14 43 00-0068 EA Single Gang, Keystone Opening, Flush, Stainless Steel Faceplate For Wall Mounted Telephones.....	24.93	5.19
Note: Requires one snap-in modular jack.		
27 14 43 00-0069 EA Single Gang, 6-Position RJ25 Jack, Flush, Stainless Steel Faceplate For Wall Mounted Telephones.....	45.59	12.97



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27 14 43 00-0070 EA Single Gang, 8-Position RJ45 Jack, Flush, Stainless Steel Faceplate For Wall Mounted Telephones.....	53.33	15.57
27 14 43 00-0071 EA Single Gang, Keystone Opening, Recessed, Stainless Steel Faceplate For Wall Mounted Telephones..... Note: Requires one snap-in modular jack.	24.08	5.19
27 14 43 00-0072 EA Single Gang, 6-Position RJ25 Jack, Recessed, Stainless Steel Faceplate For Wall Mounted Telephones	42.00	12.97
27 14 43 00-0073 EA Single Gang, 8-Position RJ45 Jack, Recessed, Stainless Steel Faceplate For Wall Mounted Telephones	49.83	15.57
27 14 43 00-0074 Communications Equipment Labeling (27 14 43)		
27 14 43 00-0075 EA Label Both Ends Of One 4 Pair Cable	20.43	
27 14 43 00-0076 EA Label single gang face plate (2 labels required)	16.34	
27 14 43 00-0077 EA Label two gang face plate (4 labels required)	24.51	
27 14 43 00-0078 EA Label both ends of a Siamese (dual 4 Pair cable)	20.43	
27 14 53 Communications Cable Innerduct (27 14)		
Note: Includes pull rope. Excludes conduit.		
27 14 53 00-0001 Indoor Innerduct (27 14 53)		
27 14 53 00-0002 Indoor Innerduct, Installed In Conduit (27 14 53 00-0001)		
27 14 53 00-0003 Riser Rated, Indoor Innerduct, Installed In Conduit (27 14 53 00-0002)		
27 14 53 00-0004 MLF 1" Riser Rated, Indoor Innerduct, Installed In Conduit.....	3,711.75	1,556.38
27 14 53 00-0005 MLF 1-1/4" Riser Rated, Indoor Innerduct, Installed In Conduit.....	4,851.30	2,075.18
27 14 53 00-0006 MLF 1-1/2" Riser Rated, Indoor Innerduct, Installed In Conduit.....	6,322.19	2,593.98
27 14 53 00-0007 MLF 2" Riser Rated, Indoor Innerduct, Installed In Conduit.....	7,449.00	3,112.77
27 14 53 00-0008 Plenum Rated, Indoor Innerduct, Installed In Conduit (27 14 53 00-0002)		
27 14 53 00-0009 MLF 1" Plenum Rated, Indoor Innerduct, Installed In Conduit	4,986.18	1,556.38
27 14 53 00-0010 MLF 1-1/4" Plenum Rated, Indoor Innerduct, Installed In Conduit.....	6,342.38	2,075.18
27 14 53 00-0011 MLF 1-1/2" Plenum Rated, Indoor Innerduct, Installed In Conduit.....	8,297.56	2,593.98
27 14 53 00-0012 MLF 2" Plenum Rated, Indoor Innerduct, Installed In Conduit	9,997.86	3,112.77
27 14 53 00-0013 Indoor Innerduct, Installed Exposed (27 14 53 00-0001)		
27 14 53 00-0014 Riser Rated, Indoor Innerduct, Installed Exposed (27 14 53 00-0013)		
27 14 53 00-0015 MLF 1" Riser Rated, Indoor Innerduct, Installed Exposed	4,749.34	2,075.18
27 14 53 00-0016 MLF 1-1/4" Riser Rated, Indoor Innerduct, Installed Exposed	5,888.89	2,593.98
27 14 53 00-0017 MLF 1-1/2" Riser Rated, Indoor Innerduct, Installed Exposed	7,359.79	3,112.77
27 14 53 00-0018 MLF 2" Riser Rated, Indoor Innerduct, Installed Exposed	8,486.58	3,631.57
27 14 53 00-0019 Plenum Rated, Indoor Innerduct, Installed Exposed (27 14 53 00-0013)		
27 14 53 00-0020 MLF 1" Plenum Rated, Indoor Innerduct, Installed Exposed.....	6,023.77	2,075.18
27 14 53 00-0021 MLF 1-1/4" Plenum Rated, Indoor Innerduct, Installed Exposed	7,379.97	2,593.98
27 14 53 00-0022 MLF 1-1/2" Plenum Rated, Indoor Innerduct, Installed Exposed	9,335.16	3,112.77
27 14 53 00-0023 MLF 2" Plenum Rated, Indoor Innerduct, Installed Exposed.....	11,035.44	3,631.57
27 14 53 00-0024 Outdoor Innerduct (27 14 53)		
27 14 53 00-0025 Outdoor Innerduct, Installed In Conduit (27 14 53 00-0024)		
27 14 53 00-0026 MLF 1" Outdoor Innerduct, Installed In Conduit.....	3,558.82	1,556.38
27 14 53 00-0027 MLF 1-1/4" Outdoor Innerduct, Installed In Conduit.....	4,625.78	2,075.18
27 14 53 00-0028 MLF 1-1/2" Outdoor Innerduct, Installed In Conduit.....	5,866.20	2,593.98
27 14 53 00-0029 MLF 2" Outdoor Innerduct, Installed In Conduit.....	7,017.48	3,112.77
27 14 53 00-0030 Outdoor Innerduct, Buried In Trench (27 14 53 00-0024)		
27 14 53 00-0031 MLF 1" Outdoor Innerduct, Buried In Trench	2,521.23	
27 14 53 00-0032 MLF 1-1/4" Outdoor Innerduct, Buried In Trench.....	3,588.19	
27 14 53 00-0033 MLF 1-1/2" Outdoor Innerduct, Buried In Trench.....	4,828.61	
27 14 53 00-0034 MLF 2" Outdoor Innerduct, Buried In Trench	5,979.88	
27 14 63 Communications Multimedia Modular Patch Panels (27 14)		
27 14 63 00-0001 Communications Multimedia Modular Patch Panels (27 14 63)		
Note: Unloaded multimedia patch panels that accept modular jacks for category 3, 5e, 6, fiber optic, etc. Excludes rack, modular jacks and terminations. See CSI section 27 14 43 00-0035 for modular jacks.		
27 14 63 00-0002 EA 12 Port, Wall Mount Multimedia Modular Patch Panel, Unloaded.....	75.03	5.19
27 14 63 00-0003 EA 16 Port, Rack Mount Multimedia Modular Patch Panel, Unloaded	82.54	5.19
27 14 63 00-0004 EA 24 Port, Rack Mount Multimedia Modular Patch Panel, Unloaded	97.05	5.19
27 14 63 00-0005 EA 36 Port, Rack Mount Multimedia Modular Patch Panel, Unloaded	101.51	5.19
27 14 63 00-0006 EA 48 Port, Rack Mount Multimedia Modular Patch Panel, Unloaded	111.44	6.48
27 14 63 00-0007 EA 24 Port, Rack Mount Multimedia Modular Angled Patch Panel, Unloaded	105.20	5.19
27 14 63 00-0008 EA 48 Port, Rack Mount Multimedia Modular Angled Patch Panel, Unloaded	132.01	6.48
27 14 63 00-0009 EA Rack Mount Rear Cable Management Bar	38.87	6.48

27 Communications**27 10 Structured Cabling****27 16 Communications Connecting Cords, Devices, And Adapters**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST**27 16 Communications Connecting Cords, Devices, And Adapters (27 10)****27 16 16 Communications Media Converters, Adapters, and Transceivers (27 16)**

27 16 16 00-0001	Fiber Optic Receivers (27 16 16)		
27 16 16 00-0002	EA Fiber Optic Receiver, Range 6.2 Miles	441.91	51.88
27 16 16 00-0003	Fiber Optic Transmitters (27 16 16)		
27 16 16 00-0004	EA Fiber Optic Transmitter, Range 6.2 Miles	441.91	51.88
27 16 16 00-0005	Fiber Optic Repeaters (27 16 16)		
	Note: Consist of transmitter and receiver, back-to-back. Excludes power source.		
27 16 16 00-0006	EA Fiber Optic Repeater, 6.2 Miles Transmitter And Receiver Back-Back, No Power	545.67	103.76
27 16 16 00-0007	EA Fiber Optic Digital Repeater, 2,000 Miles Transmitter And Receiver Back-Back, No Power	902.72	207.52
27 16 16 00-0008	Fiber Optic Transceivers (27 16 16)		
27 16 16 00-0009	EA Fiber Optic Transceivers, 3,000 Miles Range	673.34	207.52
27 16 16 00-0010	EA Fiber Optic Transceivers, Digital 2,000 Miles Range	673.34	207.52
27 16 16 00-0011	EA Fiber Optic Ethernet Transceiver	865.56	311.28
27 16 16 00-0012	EA Transceiver (Low Cost Bi- Directional).....	272.33	77.82

27 16 19 Communications Patch Cords, Station Cords, And Cross Connect Wire (27 16)

27 16 19 00-0001	Fiber Optic Patch Cords (27 16 19)		
27 16 19 00-0002	Simplex Fiber Optic Patch Cables (27 16 19 00-0001)		
27 16 19 00-0003	Singlemode, Simplex Fiber Optic Patch Cables (27 16 19 00-0002)		
27 16 19 00-0004	EA ST To ST Connectors, 1 Meter Length, Singlemode, Simplex Fiber Optic Patch Cable.....	32.24	
	<i>For Each Additional Meter In Length, Add</i>	0.26	
27 16 19 00-0005	EA ST To SC Connectors, 1 Meter Length, Singlemode, Simplex Fiber Optic Patch Cable	26.96	
	<i>For Each Additional Meter In Length, Add</i>	0.26	
27 16 19 00-0006	EA ST To LC Connectors, 1 Meter Length, Singlemode, Simplex Fiber Optic Patch Cable.....	33.82	
	<i>For Each Additional Meter In Length, Add</i>	0.26	
27 16 19 00-0007	EA SC To SC Connectors, 1 Meter Length, Singlemode, Simplex Fiber Optic Patch Cable	28.17	
	<i>For Each Additional Meter In Length, Add</i>	0.26	
27 16 19 00-0008	EA SC To LC Connectors, 1 Meter Length, Singlemode, Simplex Fiber Optic Patch Cable	32.02	
	<i>For Each Additional Meter In Length, Add</i>	0.26	
27 16 19 00-0009	EA LC To LC Connectors, 1 Meter Length, Singlemode, Simplex Fiber Optic Patch Cable.....	31.59	
	<i>For Each Additional Meter In Length, Add</i>	0.26	
27 16 19 00-0010	Duplex Fiber Optic Patch Cables (27 16 19 00-0001)		
27 16 19 00-0011	Singlemode, Duplex Fiber Optic Patch Cables (27 16 19 00-0010)		
27 16 19 00-0012	EA ST To ST Connectors, 1 Meter Length, Singlemode, Duplex Fiber Optic Patch Cable	53.46	
	<i>For Each Additional Meter In Length, Add</i>	0.51	
27 16 19 00-0013	EA ST To SC Connectors, 1 Meter Length, Singlemode, Duplex Fiber Optic Patch Cable	51.97	
	<i>For Each Additional Meter In Length, Add</i>	0.51	
27 16 19 00-0014	EA ST To LC Connectors, 1 Meter Length, Singlemode, Duplex Fiber Optic Patch Cable	57.26	
	<i>For Each Additional Meter In Length, Add</i>	0.51	
27 16 19 00-0015	EA SC To SC Connectors, 1 Meter Length, Singlemode, Duplex Fiber Optic Patch Cable.....	45.33	
	<i>For Each Additional Meter In Length, Add</i>	0.51	
27 16 19 00-0016	EA SC To LC Connectors, 1 Meter Length, Singlemode, Duplex Fiber Optic Patch Cable	53.02	
	<i>For Each Additional Meter In Length, Add</i>	0.51	
27 16 19 00-0017	EA LC To LC Connectors, 1 Meter Length, Singlemode, Duplex Fiber Optic Patch Cable	52.18	
	<i>For Each Additional Meter In Length, Add</i>	0.51	
27 16 19 00-0018	Multimode, Duplex Fiber Optic Patch Cables (27 16 19 00-0010)		
27 16 19 00-0019	EA ST To ST Connectors, 1 Meter Length, Multimode, Duplex Fiber Optic Patch Cable.....	41.26	
	<i>For Each Additional Meter In Length, Add</i>	1.48	
27 16 19 00-0020	EA ST To SC Connectors, 1 Meter Length, Multimode, Duplex Fiber Optic Patch Cable	44.71	
	<i>For Each Additional Meter In Length, Add</i>	1.48	
27 16 19 00-0021	EA ST To MTRJ Connectors, 1 Meter Length, Multimode, Duplex Fiber Optic Patch Cable.....	45.06	
	<i>For Each Additional Meter In Length, Add</i>	1.48	
27 16 19 00-0022	EA ST To LC Connectors, 1 Meter Length, Multimode, Duplex Fiber Optic Patch Cable.....	46.17	
	<i>For Each Additional Meter In Length, Add</i>	1.48	
27 16 19 00-0023	EA SC To SC Connectors, 1 Meter Length, Multimode, Duplex Fiber Optic Patch Cable.....	41.40	
	<i>For Each Additional Meter In Length, Add</i>	1.48	
27 16 19 00-0024	EA SC To MTRJ Connectors, 1 Meter Length, Multimode, Duplex Fiber Optic Patch Cable	46.37	
	<i>For Each Additional Meter In Length, Add</i>	1.48	
27 16 19 00-0025	EA SC To LC Connectors, 1 Meter Length, Multimode, Duplex Fiber Optic Patch Cable	53.85	
	<i>For Each Additional Meter In Length, Add</i>	1.48	
27 16 19 00-0026	EA MTRJ To MTRJ Connectors, 1 Meter Length, Multimode, Duplex Fiber Optic Patch Cable.....	38.22	
	<i>For Each Additional Meter In Length, Add</i>	1.48	
27 16 19 00-0027	EA LC To LC Connectors, 1 Meter Length, Multimode, Duplex Fiber Optic Patch Cable.....	45.72	
	<i>For Each Additional Meter In Length, Add</i>	1.48	



Communications	27
Structured Cabling	27 10
Communications Connecting Cords, Devices, And Adapters	27 16

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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27 16 19 00-0028	Fiber Optic Cable Pig Tail <small>(27 16 19)</small>		
27 16 19 00-0029	EA Simplex Fiber Optic Cable Pig Tail	63.98	36.31
27 16 19 00-0030	EA Duplex Fiber Optic Cable Pig Tail	76.50	36.31

27 16 19 00-0031	Ethernet Patch Cords <small>(27 16 19)</small>		
27 16 19 00-0032	EA 3' Category 5E Patch Cables With Boots.....	14.13	
27 16 19 00-0033	EA 5' Category 5E Patch Cables With Boots.....	14.87	
27 16 19 00-0034	EA 7' Category 5E Patch Cables With Boots.....	15.60	
27 16 19 00-0035	EA 10' Category 5E Patch Cables With Boots.....	21.90	
27 16 19 00-0036	EA 15' Category 5E Patch Cables With Boots.....	23.74	
27 16 19 00-0037	EA 25' Category 5E Patch Cables With Boots.....	27.42	
27 16 19 00-0038	EA 3' Category 6 Patch Cables With Boots.....	15.17	
27 16 19 00-0039	EA 5' Category 6 Patch Cables With Boots.....	16.12	
27 16 19 00-0040	EA 7' Category 6 Patch Cables With Boots.....	17.06	
27 16 19 00-0041	EA 10' Category 6 Patch Cables With Boots.....	23.67	
27 16 19 00-0042	EA 15' Category 6 Patch Cables With Boots.....	26.04	
27 16 19 00-0043	EA 25' Category 6 Patch Cables With Boots.....	30.78	
27 16 19 00-0044	EA 50' Category 6 Patch Cables With Boots.....	42.61	
27 16 19 00-0045	EA 100' Category 6 Patch Cables With Boots.....	71.49	
27 16 19 00-0046	EA 3' Category 6A Patch Cables With Boots.....	19.13	
27 16 19 00-0047	EA 5' Category 6A Patch Cables With Boots.....	20.98	
27 16 19 00-0048	EA 7' Category 6A Patch Cables With Boots.....	22.84	
27 16 19 00-0049	EA 10' Category 6A Patch Cables With Boots.....	30.81	
27 16 19 00-0050	EA 15' Category 6A Patch Cables With Boots.....	35.45	
27 16 19 00-0051	EA 25' Category 6A Patch Cables With Boots.....	44.72	
27 16 19 00-0052	EA 50' Category 6A Patch Cables With Boots.....	67.90	
27 16 19 00-0053	EA 100' Category 6A Patch Cables With Boots.....	119.47	

27 16 19 00-0054	Cross Connect Wire <small>(27 16 19)</small>		
	Note: Up to 20' length.		
27 16 19 00-0055	EA 2-Pair Cross Connect Wire	16.40	
27 16 19 00-0056	EA 3-Pair Cross Connect Wire	21.94	
27 16 19 00-0057	EA 4-Pair Cross Connect Wire	27.44	

27 20 Data Communications (27)

27 21 Data Communications Network Equipment (27 20)

Note: Includes testing of new devices and certification.

27 21 16 Data Communications Routers, CSU/DSU, Multiplexers, Codecs, and Modems

27 21 16 00-0001	Fiber Optic Modems <small>(27 21 16)</small>		
27 21 16 00-0002	EA Fiber Optic Modems, Range 6.2 Miles.....	978.61	207.52
27 21 16 00-0003	EA Fiber Optic Modem, Range 3.1 Miles, 12 Channel	1,683.09	207.52
27 21 16 00-0004	Ethernet Hubs and Switches <small>(27 21 16)</small>		
27 21 16 00-0005	EA 16 Port Managed Hub With Fiberport And Standard Management.....	2,184.36	155.84
27 21 16 00-0006	Network Equipment <small>(27 21 16)</small>		
27 21 16 00-0007	Communications Entrance Protection <small>(27 21 16 00-0006)</small>		
27 21 16 00-0008	EA 100-Pair, 5 Pin Configuration, 110 Termination, Building Entrance Terminal With Cover (Porta 24100-110-M110C).....	648.96	77.92
27 21 16 00-0009	EA Solid State Protector Module With 4 OHM Heat Coils (CommScope 4C1S)	7.91	1.04
27 21 16 00-0010	Communications Cabinets, Racks, Frames And Enclosures <small>(27 21 16 00-0006)</small>		
27 21 16 00-0011	EA 19" Width x 24" Depth x 36" Height, Wall Mounted Telecommunications Enclosure (Chatsworth 11840-736)	775.22	77.92
27 21 16 00-0012	EA 10 Outlet, 125 Volt, 20 Amp Telecommunications Cabinet Power Strip (Chatsworth 13239-757).....	656.99	5.20
27 21 16 00-0013	EA Fan Kit For Telecommunications Cabinet (Chatsworth 12804-701)	125.47	20.77
27 21 16 00-0014	Communications Termination Blocks And Patch Panels <small>(27 21 16 00-0014)</small>		
27 21 16 00-0015	Communications Termination Blocks <small>(27 21 16 00-0014)</small>		
27 21 16 00-0016	EA 4-Pair, 300-Pair Count, 110 Patch Panel System Terminal Block (CommScope 107058810).....	239.92	15.57
27 21 16 00-0017	EA 5-Pair, 300-Pair Count, 110 Patch Panel System Terminal Block (CommScope 107058802).....	223.76	15.57
27 21 16 00-0018	EA 4-Pair, 900-Pair Count, 110 Patch Panel System Terminal Block (CommScope 107058869).....	526.83	15.57
27 21 16 00-0019	EA 5-Pair, 900-Pair Count, 110 Patch Panel System Terminal Block (CommScope 107058851).....	490.47	15.57
27 21 16 00-0020	EA 110 Connector System Mounting Brackets (CommScope 107535593)	79.89	15.57
27 21 16 00-0021	EA 110 Connector System Mounting Brackets (CommScope 107535585)	85.77	15.57
27 21 16 00-0022	EA 110 Connector System Mounting Brackets (CommScope 107098816)	96.76	15.57

27	Communications
27 20	Data Communications
27 21	Data Communications Network Equipment



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 21 16 00-0023			Communications Copper Patch Panels (2721 16 00-0014) Note: Excludes cabinet and terminations.		
27 21 16 00-0024	EA		24 Port, Category 5E Patch Panel (CommScope 108208919)	245.07	33.76
27 21 16 00-0025	EA		48 Port, Category 5E Patch Panel (CommScope 108208935)	438.20	41.56
27 21 16 00-0026	EA		24 Port, Category 6 Patch Panel (CommScope 760062372)	355.83	33.76
27 21 16 00-0027	EA		48 Port, Category 6 Patch Panel (CommScope 760062380)	655.11	41.56
27 21 16 00-0028			Communications Optical Fiber Patch Panels (2721 16 00-0014)		
27 21 16 00-0029			Closet Connector Housings (2721 16 00-0028)		
27 21 16 00-0030	EA		48 Fiber Total Capacity, Closet Connector Housing (Corning CCH-01U)..... Note: Accepts up to 2 closet connector housing panels. Excludes panels.	273.56	20.77
27 21 16 00-0031	EA		96 Fiber Total Capacity, Closet Connector Housing (Corning CCH-02U)..... Note: Accepts up to 4 closet connector housing panels. Excludes panels.	317.43	20.77
27 21 16 00-0032	EA		288 Fiber Total Capacity, Closet Connector Housing (Corning CCH-04U)..... Note: Accepts up to 12 closet connector housing panels. Excludes panels.	393.09	20.77
27 21 16 00-0033	EA		SC Duplex Multimode, 62.5 Micron, 12 Fiber, Closet Connector Housing Panel (Corning CCH-CP-91).....	87.28	10.39
27 21 16 00-0034	EA		SC Duplex Singlemode, 12 Fiber, Closet Connector Housing Panel (Corning CCH-CP-59)	117.04	10.39
27 21 16 00-0035	EA		SC Simplex Multimode, 62.5 Micron, 12 Fiber, Closet Connector Housing Panel (Corning CCH-CP-56)	97.79	10.39
27 21 16 00-0036	EA		SC Simplex Singlemode, 12 Fiber, Closet Connector Housing Panel (Corning CCH-CP-3C).....	126.65	10.39
27 21 16 00-0037			Communications Cable Management (2721 16 00-0006)		
27 21 16 00-0038			Horizontal Communication Cable Management (2721 16 00-0037)		
27 21 16 00-0039	EA		1.7" Height, 19" Width, 3.7" Depth, 1 RU, Front Only, Horizontal Cable Manager (Panduit WMPFSE).....	97.13	20.77
27 21 16 00-0040	EA		3-1/2" Height, 19" Width, 3.7" Depth, Horizontal Cable Manager (Panduit WMPF1E).....	100.01	20.77
27 21 16 00-0041			Vertical Communication Cable Management (2721 16 00-0037)		
27 21 16 00-0042	EA		6" Width x 84" Height, Double-Sided Vertical Cabling Section (Chatsworth 11729-703)	541.05	51.95
27 21 16 00-0043	EA		19" Width x 84" Height, Universal Rack (Chatsworth 48353-703).....	559.67	51.95
27 21 16 00-0044	EA		23" Width x 84" Height, Universal Rack (Chatsworth 48383-703).....	601.62	51.95
27 21 16 00-0045			Communications Patch Cords, Station Cords, And Cross Connect Wire (2721 16 00-0006)		
27 21 16 00-0046			Premise Cross-Connect Wire (2721 16 00-0045)		
27 21 16 00-0047	LF		1-Pair, 22 AWG Premise Cross-Connect Wire (General Cable 7041973)	1.07	0.52
27 21 16 00-0048			Pathways For Communications Systems (2721 16 00-0006)		
27 21 16 00-0049			Conduits And Backboxes For Communication Systems (2721 16 00-0048)		
27 21 16 00-0050			Flexible Conduit For Communication Systems (2721 16 00-0048)		
27 21 16 00-0051	CLF		1" Diameter, Riser Rated, Non-Metallic Flexible Conduit With Pull Tape (Carlton DF4X1C)	403.49	186.76
27 21 16 00-0052	CLF		1" Diameter, Plenum Rated, Non-Metallic Flexible Conduit With Pull Tape (Carlton CF4X1C)	554.12	186.76
27 21 16 00-0053			Tube Cables For Communication Systems (2721 16 00-0049)		
27 21 16 00-0054			Outdoor/All-Dielectric Tube Cables (2721 16 00-0053)		
27 21 16 00-0055	CLF		Two Tube, Outdoor/All-Dielectric Tube Cable (Sumitomo TC02TOX)	334.30	124.51
27 21 16 00-0056	CLF		Seven Tube, Outdoor/All-Dielectric Tube Cable (Sumitomo TC07TOX).....	489.78	155.64
27 21 16 00-0057	CLF		Nineteen Tube, Outdoor/All-Dielectric Tube Cable (Sumitomo TC19TOX).....	792.79	186.76
27 21 16 00-0058			Indoor/Riser Rated Tube Cables (2721 16 00-0053)		
27 21 16 00-0059	CLF		Two Tube, Indoor/Riser Rated Tube Cable (Sumitomo TC02TRX)	378.18	124.51
27 21 16 00-0060	CLF		Four Tube, Indoor/Riser Rated Tube Cable (Sumitomo TC04TRX).....	458.98	140.07
27 21 16 00-0061	CLF		Seven Tube, Indoor/Riser Rated Tube Cable (Sumitomo TC07TRX).....	520.26	155.64
27 21 16 00-0062	CLF		Nineteen Tube, Indoor/Riser Rated Tube Cable (Sumitomo TC19TRX).....	930.54	186.76
27 21 16 00-0063			Indoor/Plenum Rated Tube Cables (2721 16 00-0053)		
27 21 16 00-0064	CLF		Single Tube, Indoor/Plenum Rated Tube Cable (Sumitomo TC01TPX)	286.76	124.51
27 21 16 00-0065	CLF		Two Tube, Indoor/Plenum Rated Tube Cable (Sumitomo TC02TP2).....	398.91	124.51
27 21 16 00-0066	CLF		Four Tube, Indoor/Plenum Rated Tube Cable (Sumitomo TC04TP2).....	600.38	140.07
27 21 16 00-0067	CLF		Seven Tube, Indoor/Plenum Rated Tube Cable (Sumitomo TC07TP2).....	860.37	155.64
27 21 16 00-0068	CLF		Nineteen Tube, Indoor/Plenum Rated Tube Cable (Sumitomo TC19TP2)	2,594.50	186.76
27 21 16 00-0069			Unjacketed Single Tube Cables (2721 16 00-0053)		
27 21 16 00-0070	CLF		Single Tube, Unjacketed Single Tube Cable (Sumitomo TC01TGX).....	252.62	124.51



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 21 16 00-0071 Multimode Fiber Bundles <small>(27 21 16 00-0053)</small>		
<small>Note: Includes optical fiber cables.</small>		
27 21 16 00-0072 CLF 2-Fiber, 62.5 Micron, Multimode Fiber Bundle (Sumitomo FR02M6)	103.70	37.36
27 21 16 00-0073 CLF 4-Fiber, 62.5 Micron, Multimode Fiber Bundle (Sumitomo FB04M6)	151.24	37.36
27 21 16 00-0074 CLF 6-Fiber, 62.5 Micron, Multimode Fiber Bundle (Sumitomo FB06M6)	202.44	37.36
27 21 16 00-0075 CLF 12-Fiber, 62.5 Micron, Multimode Fiber Bundle (Sumitomo FB12M6)	358.47	37.36
27 21 16 00-0076 CLF 18-Fiber, 62.5 Micron, Multimode Fiber Bundle (Sumitomo FB18M6)	516.35	43.58
27 21 16 00-0077 CLF 24-Fiber, 62.5 Micron, Multimode Fiber Bundle (Sumitomo FB24M6)	672.39	43.58
27 21 16 00-0078 Singlemode Fiber Bundles <small>(27 21 16 00-0053)</small>		
<small>Note: Includes optical fiber cables.</small>		
27 21 16 00-0079 CLF 2-Fiber, Singlemode Fiber Bundle (Sumitomo FR02SX)	93.94	37.36
27 21 16 00-0080 CLF 4-Fiber, Singlemode Fiber Bundle (Sumitomo FB04SX)	114.67	37.36
27 21 16 00-0081 CLF 6-Fiber, Singlemode Fiber Bundle (Sumitomo FB06SX)	131.73	37.36
27 21 16 00-0082 CLF 12-Fiber, Singlemode Fiber Bundle (Sumitomo FB12SX)	164.65	37.36
27 21 16 00-0083 CLF 18-Fiber, Singlemode Fiber Bundle (Sumitomo FB18SX)	248.17	43.58
27 21 16 00-0084 CLF 24-Fiber, Singlemode Fiber Bundle (Sumitomo FB24SX)	322.53	43.58
27 21 16 00-0085 Tube Distribution Cabinets <small>(27 21 16 00-0053)</small>		
27 21 16 00-0086 EA Modular Tube Distribution Cabinet (Sumitomo DE06MDU)	198.69	51.95
<small>Note: Up to six 7-tube cables or two 19-tube cables.</small>		
27 21 16 00-0087 Modular Fiber Termination Cabinets <small>(27 21 16 00-0053)</small>		
27 21 16 00-0088 EA 24-Fiber Capacity, Wall Mount, Modular Fiber Termination Cabinet (Sumitomo FT24WFM)	246.49	51.95
27 21 16 00-0089 EA 48-Fiber Capacity, Wall Mount, Modular Fiber Termination Cabinet (Sumitomo FT48WFM)	261.61	51.95
27 21 16 00-0090 Tube Distribution Accessories <small>(27 21 16 00-0053)</small>		
27 21 16 00-0091 EA Plastic Push/Pull Quick Release Pneumatic Cap For 8 mm Tube (Sumitomo DE08MA)	12.08	5.20
27 21 16 00-0092 EA Plastic Push/Pull Quick Release Pneumatic Coupling For 8 mm Tube (Sumitomo DE08MC2)	13.15	5.20
27 21 16 00-0093 EA Brass Push/Pull Quick Release Pneumatic Coupling For 8 mm Bulkhead Tube (Sumitomo DE08MB)	15.88	5.20
27 21 16 00-0094 Communications Optical Fiber Cabling <small>(27 21 16 00-0006)</small>		
27 21 16 00-0095 Communications Optical Fiber Cable Splicing And Terminations <small>(27 21 16 00-0094)</small>		
27 21 16 00-0096 Field Installed Fiber Connectors <small>(27 21 16 00-0095)</small>		
27 21 16 00-0097 EA SC Type, Singlemode, Field Installed Fiber Connector (Corning 95-200-42)	32.75	7.79
27 21 16 00-0098 EA SC Type, 62.5 Micron Multimode, Field Installed Fiber Connector (Corning 95-000-41)	29.26	7.79
27 21 16 00-0099 Buffer Tube Fan-Out Kits <small>(27 21 16 00-0095)</small>		
27 21 16 00-0100 Buffer Tube Breakout Kits (Sumitomo) <small>(27 21 16 00-0099)</small>		
<small>Note: Includes 900 micron tubing.</small>		
27 21 16 00-0101 EA 2-Fiber Breakout Kit (Sumitomo FTFLD02)	222.15	103.76
27 21 16 00-0102 EA 4-Fiber Breakout Kit (Sumitomo FTFLD04)	225.81	103.76
27 21 16 00-0103 EA 6-Fiber Breakout Kit (Sumitomo FTFLD06)	229.04	103.76
27 21 16 00-0104 EA 12-Fiber Breakout Kit (Sumitomo FTFLD12)	239.07	103.76
27 21 16 00-0105 EA 18-Fiber Breakout Kit (Sumitomo FTFLD18)	252.79	103.76
27 21 16 00-0106 EA 24-Fiber Breakout Kit (Sumitomo FTFLD24)	262.99	103.76
27 21 16 00-0107 Buffer Tube Fan-Out Kits (Corning) <small>(27 21 16 00-0099)</small>		
27 21 16 00-0108 EA 12 Fiber, 25" Tube Length, Indoor Buffer Tube Fan-Out Kit (Corning Fan-BT25-12)	223.84	103.76
27 21 16 00-0109 EA 12 Fiber, 25" Tube Length, Outdoor Buffer Tube Fan-Out Kit (Corning Fan-OD25-12)	260.06	103.76
27 21 16 00-0110 Communications Copper Cabling <small>(27 21 16 00-0006)</small>		
27 21 16 00-0111 Copper Communications Cable Splicing And Terminations <small>(27 21 16 00-0110)</small>		
27 21 16 00-0112 Copper Communications Cable Splice Cases <small>(27 21 16 00-0111)</small>		
27 21 16 00-0113 EA 6.5" x 28.4" Copper Communications Cable Splice Case (Preformed Line Products 8000626)	782.52	207.52
27 21 16 00-0114 EA 9.5" x 28.4" Copper Communications Cable Splice Case (Preformed Line Products 8000630)	887.55	207.52
27 21 16 00-0115 EA 12.5" x 28.4" Copper Communications Cable Splice Case (Preformed Line Products 8006219)	1,236.55	207.52
27 21 16 00-0116 Modular Splice Connectors <small>(27 21 16 00-0111)</small>		
27 21 16 00-0117 EA 25-Pair, Straight Body Only, 26-24 Gauge Cable, Filled Modular Splice Connector (3M 710-SC1-25)	108.86	51.88
27 21 16 00-0118 EA 25-Pair, Straight/Half Tap Body, 26-24 Gauge Cable, Dry Modular Splice Connector (3M 710-SD1-25)	107.72	51.88
27 21 16 00-0119 EA 25-Pair, Straight/Half Tap Body, 26-24 Gauge Cable, Filled Modular Splice Connector (3M 710-TC1-25)	108.88	51.88
27 21 16 00-0120 EA 25-Pair, Bridge Body, 26-22 Gauge Cable, Filled Modular Splice Connector (3M 710-BC1-25)	108.72	51.88

27 30 Voice Communications (27)

27 Communications**27 30 Voice Communications****27 31 Voice Communications Switching and Routing Equipment**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST**27 31 Voice Communications Switching and Routing Equipment (27 30)**

Note: Includes testing of new devices and certification.

27 31 13 PBX/Key Systems (27 31)**27 31 13 00-0001 Interior PBX Telephone System (27 31 13)**

Note: Includes telephone instruments cabling and solid state switching.

27 31 13 00-0002 Interior PBX Telephone System (27 31 13 00-0001)

Note: Cost is for each line up to 1000 lines.

27 31 13 00-0003 EA 1 Line PBX Connection, Cost Per Each Line Up To 1,000 1,320.65 541.25

27 31 13 00-0004 Additional Telephones Less Solid State Switching (PBX) (27 31 13 00-0001)

27 31 13 00-0005 EA Add For Each Additional PBX Phone Line Less Solid State Switching..... 361.63 42.55

27 31 13 00-0006 Telephones (27 31 13 00-0001)

27 31 13 00-0007 EA Telephones, Desk Type Intercommunication Equipment..... 159.16 40.46

27 31 13 00-0008 EA Telephones, Wall Type Intercommunication Equipment..... 186.44 53.96

27 32 Voice Communications Terminal Equipment (27 30)

Note: Includes testing of new devices and certification.

27 32 19 Interior Telephone System (27 32)**27 32 19 00-0001 Components (27 32 19)**

27 32 19 00-0002 EA Solid State Exchange Unit With Power Supply 4,484.53 948.15

27 32 19 00-0003 EA Dial Telephone - Handset In Cabinet..... 515.33 77.51

27 32 19 00-0004 EA Elevator Cab Telephone With Trailer Cable..... 289.41 83.11

27 32 19 00-0005 EA Loud Ring Bell, 6" 234.64 77.10

27 32 19 00-0006 EA Audio/Visual Indicator 282.70 72.63

27 32 19 00-0007 EA Administrative Telephone With Digital Display..... 287.79 65.16

27 32 19 00-0008 EA Processing Unit For 16 Station System 1,558.92 531.56

27 32 19 00-0009 EA Handset For 16 Station System..... 207.36 52.91

27 32 19 00-0010 EA Handset In Cabinet, For 16 Station System..... 280.71 71.39

27 32 19 00-0011 MLF 20 Conductor Unshielded Cable, #22 2,300.61 1,144.16

27 32 19 00-0012 EA Power Supply For 16 Station System 308.28 141.21

27 32 19 00-0013 EA Intercom Terminal Board 294.26 158.95

27 32 19 00-0014 EA Power Supply For Five Station System, 24 Volt DC 316.90 141.21

27 32 19 00-0015 EA Telephone Communication Board, Insulated Blueboard 24" x 24" x 1/2" Thick 147.72 58.05

27 32 19 00-0016 EA Telephone Cabinet With Backboard 24" High x 24" Wide x 6" Deep 427.74 127.77

27 32 19 00-0017 EA Telephone Cabinet With Backboard 30" High x 24" Wide x 6" Deep 501.52 145.23

27 32 19 00-0018 EA Telephone Cabinet With Backboard 30" High x 30" Wide x 6" Deep 605.58 171.88

27 32 19 00-0019 EA Telephone Cabinet With Backboard 36" High x 30" Wide x 6" Deep 703.85 185.82

27 32 19 00-0020 EA Telephone Cabinet With Backboard 48" High x 30" Wide x 6" Deep 1,047.75 211.43

27 32 19 00-0021 EA Ring Rung 3"..... 10.53 5.78

27 32 19 00-0022 EA G66B50 Telephone Blocks Including 50 Terminators, Exterior Ring, Marking, ID 25.12 10.27

27 32 19 00-0023 EA G110 Data Blocks Including Terminator, Exterior Ring, Marking, ID And Testing..... 47.50 21.07

27 32 19 00-0024 Accessories (27 32 19)

27 32 19 00-0025 EA Blank Telephone Receptacle, Exposed Devices - Complete 11.37 5.60

27 32 19 00-0026 EA 4-Pin Telephone Receptacle, Exposed Devices - Complete 23.34 21.58

27 32 19 00-0027 EA Level 5, RJ-45 Jack, Dual Flush Mounted - Complete 54.55 23.72

27 32 19 00-0028 EA Level 5, RJ-45 Jack, Wall Mount - Complete 52.97 23.72

27 32 19 00-0029 EA Terminating Strips, Inside 106.71 47.43

27 32 19 00-0030 EA Dual Outlet, 4-Pin Telephone Receptacle, Concealed Type RJ-45 - Complete..... 50.60 24.38

27 32 19 00-0031 EA Ready Access Closure 3 To 25 Pair 128.74 57.17

27 32 19 00-0032 EA Ready Access Closure 25 To 100 Pair 147.49 63.91

27 32 19 00-0033 EA Termination Block With Bracket 25 Pair 46.18 19.19

27 32 19 00-0034 EA RJ-11 Telephone Receptacle, Concealed Devices - Complete 49.76 24.07

27 32 19 00-0035 EA Interior Protected Terminal 25 Pair 441.97 138.62

27 32 19 00-0036 EA Interior Protected Terminal 50 Pair 499.18 140.80

27 32 19 00-0037 EA Pedestal 6" x 6" x 50" 3 To 100 Pair 178.53 57.69

27 32 19 00-0038 EA Pedestal 8" x 8" x 50" 100 To 300 Pair 182.33 57.69

27 32 19 00-0039 EA Pedestal 10" x 10" x 43" 300 To 600 Pair 238.28 73.77

27 32 19 00-0040 EA Pedestal 10" x 16" x 439 600 Pair..... 473.43 132.92

27 32 19 00-0041 EA Entrance Protector Terminal 100 Pair..... 621.26 151.69

27 32 19 00-0042 EA Gas Protection Module 12.56 5.19

27 32 19 00-0043 EA Terminating Boxes, Outside With 3 Element Protectors, Per Pair 17.40 4.74

27 32 26 Ring-Down Emergency Telephones (27 32)**27 32 26 00-0001 Emergency Telephone (27 32 26)**

Note: Standard features include: CB3000 speakerphone, 3 auxiliary inputs, 2 auxiliary outputs, phone line surge suppressor, analog telephone connection, 70w area light with blue beacon, high power strobe, lighted faceplate, 110VAC power, ultra weather resistant finish, vandal resistant hardware, UV resistant lens, dome vent; flat area for directory, access control or other options; 12.75" diameter/8'-6" height, 1/4" thick steel construction, foundation anchor kit, ADA compliant.



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 32 26 00-0002 EA Code Blue 1-Standard Emergency Telephone Pedestal Unit (CB 1-s)..... Note: Includes IA4100 FP1 analog speakerphone with single red "Push For Help" button, "Push For Help" bezel, hard wire phone line, passive vent at top, 24V AC, and standard color.	6,614.33	424.76
27 32 26 00-0003 EA Code Blue 1-Dual Emergency Telephone Pedestal Unit (CB 1-d)..... Note: Includes IA4100 FP1 analog speakerphone with single red "Push For Help" button, "Push For Help" bezel, blank stainless steel plate second opening, hard wire phone line, passive vent at top, 24V AC, and standard color.	6,914.03	424.76
27 32 26 00-0004 EA Analog Speakerphone With Black "Info" Button And Red "Push For Help" Button Code Blue Option (Code Blue IA4100 FP2)	99.90	
27 32 26 00-0005 EA Analog Speakerphone With Black "Call" Button, Keypad And Red "Push For Help" Button Code Blue Option (Code Blue IA4100 FP2-K).....	149.85	
27 32 26 00-0006 EA IP Speakerphone With Single Red "Push For Help" Button Code Blue Option (Code Blue IP5000 FP1).....	374.63	
27 32 26 00-0007 EA IP Speakerphone With Back "Info" Button And Red "Push For Help" Button Code Blue Option (Code Blue IP5000 FP2).....	509.49	
27 32 26 00-0008 EA IP Speakerphone With Black "Call" Button, Keypad And Red "Push For Help" Button Code Blue Option (Code Blue IP5000 FP2-K).....	559.44	
27 32 26 00-0009 EA EMERGENCY (Raised Letters With Braille) Main Bezel Code Blue Option	9.99	
27 32 26 00-0010 EA EMERGENCY/EMERGENCIA (Raised Letters With Braille) Main Bezel Code Blue Option	9.99	
27 32 26 00-0011 EA Directory, Second Opening Code Blue Option.....	89.91	
27 32 26 00-0012 EA Camera Enclosure With Color IP Camera, Second Opening Code Blue Option.....	949.06	
27 32 26 00-0013 EA HID Card Reader, Second Opening Code Blue Option	439.56	
27 32 26 00-0014 EA HID Card Reader And Color IP Camera, Second Opening Code Blue Option	1,423.58	
27 32 26 00-0015 EA IP Wireless Communication Code Blue Option..... Note: 802.11g or secure mesh 5.8. (system UPS backup or unit Night Charge recommended). IP5000 VoIP Speakerphone option must be ordered when selecting IP Wireless Communications. Requires Base Unit(s) and site survey.	2,992.02	
27 32 26 00-0016 EA Active Venting Code Blue Option.....	159.84	
27 32 26 00-0017 EA Night Charge Power Code Blue Option	1,393.61	
Note: Requires 120V AC external power supplied to Code Blue unit.		
27 32 26 00-0018 EA Power Transformer Kit, Alternate Incoming Power Code Blue Option.....	349.65	
27 32 26 00-0019 EA Overhead Camera Mount Code Blue Option	794.21	
Note: Excludes camera.		
27 32 26 00-0020 EA Custom Color For Overhead Camera Mount Code Blue Option	34.97	
27 32 26 00-0021 City Police Call System (27 32 26)		
27 32 26 00-0022 Components (27 32 26 00-0021)		
27 32 26 00-0023 EA City Police Call System.....	528.47	120.99
27 32 26 00-0024 EA Concrete Foundation For Police Department Telephone Post.....	515.11	175.25

27 40 Audio-Video Communications (27)

27 41 Audio-Video Systems (27 40)

27 41 16 Integrated Audio-Video Systems and Equipment (27 41)

Note: Includes testing of new devices and certification.

27 41 16 00-0001	Television Distribution System (27 41 16) See CSI section 26 05 13 00-0001 for basic wiring, 26 05 19 16-0309 for basic wiring.		
27 41 16 00-0002	Television Support System (27 41 16 00-0001)		
27 41 16 00-0003 EA	Ceiling Mounted Television Support, 19" To 20".....	341.32	116.36
27 41 16 00-0004 EA	Ceiling Mounted Television Support, 19" To 20" With Rack	424.58	129.87
27 41 16 00-0005 EA	Ceiling Mounted Television Support, 25" To 27".....	352.41	116.36
27 41 16 00-0006 EA	Ceiling Mounted Television Support, 25" To 27" With Rack	435.67	129.87
27 41 16 00-0007 EA	Wall Mounted Television Support, 13".....	269.13	93.51
27 41 16 00-0008 EA	Wall Mounted Television Support, 13" With Rack.....	352.39	103.89
27 41 16 00-0009 EA	Wall Mounted Television Support, 19" To 20".....	283.69	93.51
27 41 16 00-0010 EA	Wall Mounted Television Support, 19" To 20" With Rack	366.95	103.89
27 41 16 00-0011 EA	Wall Mounted Television Support, 25" To 27".....	298.24	93.51
27 41 16 00-0012 EA	Wall Mounted Television Support, 25" To 27" With Rack	381.50	103.89
27 41 16 00-0013	Distribution System (27 41 16 00-0001) See CSI section 26 05 13 00-0001 for wire and cabling.		
27 41 16 00-0014	TV Distribution Rack (27 41 16 00-0013)		
27 41 16 00-0015 EA	Steel Rack Cabinet With Shelves	1,002.45	190.81
27 41 16 00-0016 EA	Switch And Pilot Light.....	190.26	84.77
27 41 16 00-0017 LF	Surface Raceway With Outlets	23.64	11.52
27 41 16 00-0018 EA	Service Label.....	29.41	15.88
27 41 16 00-0019	Head End Amplifier (27 41 16 00-0013)		
27 41 16 00-0020 EA	Head End Amplifier.....	668.66	127.00
27 41 16 00-0021	UHF In-Line Booster Amplifier And Power Supply (27 41 16 00-0013)		
27 41 16 00-0022 EA	UHF In-Line Booster.....	423.41	127.00

27	Communications
27 40	Audio-Video Communications
27 41	Audio-Video Systems



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 41 16 00-0023 Preamplifiers (27 41 16 00-0013)		
27 41 16 00-0024 EA VHF Preamplifier.....	509.77	127.00
27 41 16 00-0025 EA UHF Preamplifier.....	423.41	127.00
27 41 16 00-0026 Power Supplies (27 41 16 00-0013)		
27 41 16 00-0027 EA Common Power Supply.....	728.23	181.47
27 41 16 00-0028 Line Splitter And Mixer (27 41 16 00-0013)		
27 41 16 00-0029 EA Line Splitter.....	79.57	42.34
27 41 16 00-0030 EA Two-Way Splitter.....	86.44	42.34
27 41 16 00-0031 EA Frequency Filter.....	172.90	63.60
27 41 16 00-0032 EA Line Splitter And Mixer.....	241.51	93.39
27 41 16 00-0033 Power Line Filters (27 41 16 00-0013)		
27 41 16 00-0034 EA 120-Volt Power Supply Line Filter.....	311.15	84.77
27 41 16 00-0035 Wall Box And Receiver Outlets (27 41 16 00-0013)		
27 41 16 00-0036 EA Wall Box With Lockable Cover, Excluding Outlet Plug.....	172.90	63.60
27 41 16 00-0037 EA TV Receiver Outlet Plug.....	86.44	42.34
27 41 16 00-0038 EA TV Camera Outlet Plug.....	86.44	42.34
27 41 16 00-0039 EA Audio Outlet Plug.....	77.83	42.34
27 41 16 00-0040 EA 12 Ft RG 6U Cable With G-59 And TV Set Fittings.....	160.03	84.77
27 41 16 00-0041 EA Male Plug PL-259.....	86.44	42.34
27 41 16 00-0042 EA Wall Box And Receiver Outlet Television Outlets.....	108.48	44.41
27 41 16 00-0043 Metal And Electric Shop Antenna Systems (27 41 16)		
27 41 16 00-0044 Antenna (27 41 16 00-0043)		
27 41 16 00-0045 EA Amateur Radio Antenna.....	636.86	155.64
27 41 16 00-0046 EA Multi-Band Radio Antenna.....	513.15	155.64
27 41 16 00-0047 Receptacles (27 41 16 00-0043)		
27 41 16 00-0048 EA Amateur Radio Antenna System Receptacle With Mating Plugs And Adapter.....	164.27	63.60
27 41 16 00-0049 EA Multi-Band Radio Antenna System Receptacle With Mating Plugs.....	164.27	63.60
27 50 Distributed Communications And Monitoring Systems (27)		
27 51 Distributed Audio-Video Communications Systems (27 50)		
27 51 33 Sound Reinforcement (27 51)		
Note: Includes testing of new devices and certification.		
27 51 33 00-0001 Amplifiers (27 51 33)		
27 51 33 00-0002 EA 10 Watt PA/Paging System Amplifier, 70 Volt (Bogen C10).....	364.54	103.89
27 51 33 00-0003 EA 35 Watt PA/Paging System Amplifier, 70 Volt (Bogen C35).....	482.03	103.89
27 51 33 00-0004 EA 60 Watt PA/Paging System Amplifier, 70 Volt (Bogen C60).....	557.46	103.89
27 51 33 00-0005 EA 100 Watt PA/Paging System Amplifier, 70 Volt (Bogen 100).....	611.26	103.89
27 51 33 00-0006 EA 150 Watt PA/Paging System Amplifier, 70 Volt (Bogen GS150).....	741.65	103.89
27 51 33 00-0007 EA 250 Watt PA/Paging System Amplifier, 70 Volt (Bogen GS250).....	936.63	103.89
27 51 33 00-0008 EA Rack Mount Kit For PA/Paging System Amplifiers (Bogen GSRPK).....	37.99	5.20
27 51 33 00-0009 Speakers (27 51 33)		
27 51 33 00-0010 EA 8", 5 Watt Recessed Ceiling Mounted Speaker With Transformer And Baffle (Atlas Sound FD72W).....	165.35	27.81
27 51 33 00-0011 EA 8" Steel Baffle (Atlas Sound 51-8).....	45.59	5.19
27 51 33 00-0012 EA T-Bar Support (Atlas Sound EZ95-8).....	49.69	5.19
27 51 33 00-0013 EA 8" Cylindrical Enclosure With Undercoating (Atlas Sound Q408).....	71.68	5.19
27 51 33 00-0014 EA Plate Mounted 10 Watt Attenuator With Priority Relay (Atlas Sound AT10-PA).....	75.43	9.34
27 51 33 00-0015 Accessories (27 51 33)		
27 51 33 00-0016 EA Microphone And Stand For Audio/Video System (Bogen MBS-1000A).....	175.17	12.99
27 51 33 00-0017 EA 5 Disk CD Player For Audio/Video System (Bogen DCM290-P).....	380.86	12.99
27 51 33 00-0018 EA Weather Proof Horn For Audio/Video System (Bogen SPT5A).....	114.38	25.97
27 51 33 00-0019 EA Trumpet Driver And Line Matching Transformer For Audio/Video System (Atlas PD-60A).....	194.39	25.97
27 51 33 00-0020 EA Headset Microphone For Audio/Video System (Audio Technica Pro8Hex).....	147.59	25.94
27 51 33 00-0021 EA Microphone Jack For Audio/Video System.....	79.31	25.97
27 51 33 00-0022 EA Terminal Cabinet For Audio/Video System (Atlas 121-18).....	579.38	103.89
27 51 33 00-0023 EA Volume Control For Audio/Video System (Bogen AT10A).....	76.72	25.97



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 51 33 00-0024 Remove And Reinstall Speakers <small>(27 51 33)</small> Note: Includes storage, cleaning and supply materials.		
27 51 33 00-0025 EA Removal And Reinstallation Of Ceiling Mounted Speaker.....	145.26	
27 52 Healthcare Communications And Monitoring Systems <small>(27 50)</small>		
27 52 23 Nurse Call/Code Blue Systems <small>(27 52)</small>		
27 52 23 00-0001 Wireless Equipment Nurses Call Systems <small>(27 52 23)</small> Note: Includes all mounting hardware, batteries, cable and connections. Teletronic.		
27 52 23 00-0002 Wireless Nurses Call System <small>(27 52 23 00-0001)</small>		
27 52 23 00-0003 EA NurseCall Main Unit (Rechargeable Battery Included); NCM2	4,754.27	
27 52 23 00-0004 EA NurseCall Main Unit (Rechargeable Battery Included) 300+ Transmitters; NCM2S	5,383.31	
27 52 23 00-0005 EA NurseCall Local Unit (Rechargeable Battery Included), Quantity 1-5 Units; NCL2	3,301.15	
27 52 23 00-0006 EA NurseCall Local Unit (Rechargeable Battery Included), Quantity 6-10 Units; NCL2.....	2,704.48	
27 52 23 00-0007 EA NurseCall Local Unit (Rechargeable Battery Included), Quantity 11-15 Units; NCL2.....	2,438.97	
27 52 23 00-0008 EA NurseCall Local Unit (Rechargeable Battery Included), Quantity 16+ Units; NCL2	2,173.37	
27 52 23 00-0009 EA Resident Bed Station With Relay; N45	540.93	
27 52 23 00-0010 EA Bed Push Button For Use With N45 (9); RB13-9	267.65	
27 52 23 00-0011 EA Pull Cord Replacement For S35; S35PC	20.91	
27 52 23 00-0012 EA Wall Mount Pull-Cord Transmitter/Mounting Hardware - Auto Supervision; S35S.....	391.97	
27 52 23 00-0013 EA Wall Mount Pull-Cord Transmitter/Mounting Hardware - Assist Tone; S35A	391.97	
27 52 23 00-0014 EA Remote Reset Button; S35R.....	381.44	
27 52 23 00-0015 EA Waterproof Wrist Transmitter (Automatic Supervision); S37	266.14	
27 52 23 00-0016 EA Wrist Band Replacement For S37; S37WB	25.43	
27 52 23 00-0017 EA Locate 1 Waterproof Wrist Transceiver; S37L	321.82	
27 52 23 00-0018 EA Locate 1 Beacon; IS75	1,019.38	
27 52 23 00-0019 EA Wireless Smoke Detector Transmitter; SD35	666.29	
27 52 23 00-0020 EA Wireless Door Contact Transmitter; RAC35	529.36	
27 52 23 00-0021 EA Wireless Time Controlled Door Contact; RAC45	529.36	
27 52 23 00-0022 EA Local Receiver With Relay (110 Volt AC); LE9	643.72	
27 52 23 00-0023 EA Voice Response Unit (Rechargeable Battery Included); S10	1,103.61	
27 52 23 00-0024 EA Alarm Receiving Unit (Rechargeable Battery Included); ARU	2,163.23	
27 52 23 00-0025 EA NurseCall Programming Software; NPS	5,756.85	
27 52 23 00-0026 EA NurseCall Printer Interface; NCPI	1,978.61	
27 52 23 00-0027 EA NurseCall Computer Center (Includes NurseCall Software, PC, Monitor, Printer And UPS); NCCN.....	10,030.20	
27 52 23 00-0028 EA 9V NiMH Rechargeable Battery (Replacement For S10, NCM2, And NCL2); NMH9R	50.18	
27 52 23 00-0029 EA 6V Lithium Battery (Replacement For S35 And RAC35); LIT6	45.66	
27 52 23 00-0030 EA 9V Alkaline Battery (Replacement For N45); ALK9	24.60	
27 52 23 00-0031 EA Giant LED Single Sided Display; NCGD	9,822.61	
27 52 23 00-0032 EA Serial Printer; NCSP	1,039.34	
27 52 23 00-0033 EA Modular Duplex T-Adapter (Replacement For S10); SE-486A	23.92	
27 52 23 00-0034 EA AC Adapter (Replacement For S10); STA-4110A.....	41.98	
27 52 23 00-0035 EA S10 Phone Cord (Replacement For S10); STC	23.92	
27 52 23 00-0036 EA Waveware Paging System, Use With NCCN (Dell Computer); SPS-5	4,474.85	
27 52 23 00-0037 EA Waveware Pagers; DAP-040.....	628.19	
27 52 23 00-0038 Wireless Nurses Call Tele/Management System <small>(27 52 23 00-0001)</small>		
27 52 23 00-0039 EA Tele/Management Unit; TP12.....	2,767.99	
27 52 23 00-0040 EA Tele/Management Software; TP12S.....	2,369.77	
27 52 23 00-0041 Wireless Nurses Call Paging System <small>(27 52 23 00-0001)</small>		
27 52 23 00-0042 EA Standard Paging System (2.5 Watt Transmitter); RPE673	7,642.31	
27 52 23 00-0043 EA Replacement Antenna For RPE673; RPE673AN	531.06	
27 52 23 00-0044 EA Replacement Power For RPE673; RPE673PS.....	702.60	
27 52 23 00-0045 EA Alphanumeric Pager; RPR583.....	851.57	
27 52 23 00-0046 EA Replacement Holster For RPR583; RPR583H	52.35	
27 52 23 00-0047 Equipment Nurses Call Systems <small>(27 52 23)</small>		
27 52 23 00-0048 EA Nurses Call System, Page/Talk Relay Intercommunication Equipment	191.16	53.96
27 52 23 00-0049 EA Nurses Call System, Main Equipment Panel Intercommunication Equipment	1,778.27	215.82
27 52 23 00-0050 EA Nurses Call System, Re-Entrant Horn Intercommunication Equipment.....	211.59	70.56
27 52 23 00-0051 EA Nurses Call System, Nurses Control Station Intercommunication Equipment	1,088.26	207.52
27 52 23 00-0052 EA Nurses Call System, Duty Station Intercommunication Equipment.....	513.90	161.86
27 52 23 00-0053 EA Nurses Call System, Staff Station Intercommunication Equipment.....	246.51	53.96
27 52 23 00-0054 EA Nurses Call System, Single Bedside Station Intercommunication Equipment	235.57	53.96
27 52 23 00-0055 EA Nurses Call System, Double Bedside Station Intercommunication Equipment.....	368.91	94.42
27 52 23 00-0056 EA Nurses Call System, Emergency Call Button Intercommunication Equipment.....	119.59	41.50
27 52 23 00-0057 EA Nurses Call System, Pull Cord Button Intercommunication Equipment	112.55	41.50
27 52 23 00-0058 EA Nurses Call System, Single Dome Light Intercommunication Equipment.....	79.57	26.98
27 52 23 00-0059 EA Nurses Call System, Double Dome Light Intercommunication Equipment	116.58	41.50
27 52 23 00-0060 EA Nurses Call System, Pillow Speaker Intercommunication Equipment	152.23	26.98
27 52 23 00-0061 EA Nurses Call System, Cord Set Intercommunication Equipment.....	84.87	26.98
27 52 23 00-0062 EA Nurse Call System, Master-20 Station.....	3,497.58	207.52
27 52 23 00-0063 EA Dukane Duty Station - Tone Only, PC1000	660.41	161.97

27	Communications
27 50	Distributed Communications And Monitoring Systems
27 52	Healthcare Communications And Monitoring Systems



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

27 53 Distributed Systems (27 50)

27 53 13 Clock Systems (27 53)

27 53 13 00-0001	Wired Self-Corrective Clock Systems <small>(27 53 13)</small>		
27 53 13 00-0002	Wired Self-Corrective Clocks <small>(27 53 13 00-0001)</small>		
27 53 13 00-0003	Analog, Wired Self-Corrective Clocks (Telecor) <small>(27 53 13 00-0002)</small>		
27 53 13 00-0004	24 Volt AC, Analog, Wired Self-Corrective Clocks <small>(27 53 13 00-0003)</small>		
27 53 13 00-0005	EA 12", Single Sided, 24 Volt AC, Analog, Wired Self-Corrective Clock, Semi-Flush Mount.....	182.23	25.94
	<i>For >50 To 100, Deduct</i>	-12.98	
	<i>For >100, Deduct</i>	-18.20	
27 53 13 00-0006	EA 12", Dual Sided, 24 Volt AC, Analog, Wired Self-Corrective Clock, Surface Mount.....	414.88	25.94
	<i>For >50 To 100, Deduct</i>	-22.29	
	<i>For >100, Deduct</i>	-36.81	
27 53 13 00-0007	EA 16", Single Sided, 24 Volt AC, Analog, Wired Self-Corrective Clock, Semi-Flush Mount.....	225.13	25.94
	<i>For >50 To 100, Deduct</i>	-16.43	
	<i>For >100, Deduct</i>	-23.36	
27 53 13 00-0008	EA 16", Dual Sided, 24 Volt AC, Analog, Wired Self-Corrective Clock, Surface Mount.....	543.58	25.94
	<i>For >50 To 100, Deduct</i>	-56.94	
	<i>For >100, Deduct</i>	-76.61	

27 53 13 00-0009 120 Volt AC, Analog, Wired Self-Corrective Clocks (27 53 13 00-0003)

27 53 13 00-0010	EA 12", Single Sided, 120 Volt AC, Analog, Wired Self-Corrective Clock, Semi-Flush Mount.....	182.23	25.94
	<i>For >50 To 100, Deduct</i>	-12.98	
	<i>For >100, Deduct</i>	-18.20	
27 53 13 00-0011	EA 12", Dual Sided, 120 Volt AC, Analog, Wired Self-Corrective Clock, Surface Mount.....	414.88	25.94
	<i>For >50 To 100, Deduct</i>	-22.29	
	<i>For >100, Deduct</i>	-36.81	
27 53 13 00-0012	EA 16", Single Sided, 120 Volt AC, Analog, Wired Self-Corrective Clock, Semi-Flush Mount.....	225.13	25.94
	<i>For >50 To 100, Deduct</i>	-16.43	
	<i>For >100, Deduct</i>	-23.36	
27 53 13 00-0013	EA 16", Dual Sided, 120 Volt AC, Analog, Wired Self-Corrective Clock, Surface Mount.....	543.58	25.94
	<i>For >50 To 100, Deduct</i>	-56.94	
	<i>For >100, Deduct</i>	-76.61	

27 53 13 00-0014 Accessories For Analog Wired Self-Corrective Clocks (27 53 13 00-0003)

27 53 13 00-0015	EA Wire Guards For 12", 15" Or 16" Analog Wired Self-Corrective Clocks.....	145.56	12.97
27 53 13 00-0016	EA Back Box For 10", 12" Or 15" Flush Mount Analog Wired Self-Corrective Clocks	42.44	12.97
27 53 13 00-0017	EA Surface Mounting Rings For 12" Analog Wired Self-Corrective Clocks	51.93	12.97
27 53 13 00-0018	EA Surface Mounting Rings For 15" Analog Wired Self-Corrective Clocks	61.83	12.97
27 53 13 00-0019	EA Combination Back Box For Speaker And Clock.....	96.28	20.75

27 53 13 00-0020 Digital, Wired Self-Corrective Clocks (Telecor) (27 53 13 00-0002)

27 53 13 00-0021 24 Volt AC, Digital, Wired Self-Corrective Clocks (27 53 13 00-0020)

27 53 13 00-0022	EA 2.5", 24 Volt AC, Digital, Wired Self-Corrective Clock, Flush Mount.....	221.83	25.94
	<i>For Surface Mount, Add</i>	33.99	
	<i>For >50 To 100, Deduct</i>	-10.20	
	<i>For >100, Deduct</i>	-17.00	
27 53 13 00-0023	EA 4", 24 Volt AC, Digital, Wired Self-Corrective Clock, Flush Mount.....	334.03	25.94
	<i>For Surface Mount, Add</i>	56.43	
	<i>For >50 To 100, Deduct</i>	-16.93	
	<i>For >100, Deduct</i>	-28.22	

27 53 13 00-0024 120 Volt AC, Digital, Wired Self-Corrective Clocks (27 53 13 00-0020)

27 53 13 00-0025	EA 2.5", 120 Volt AC, Digital, Wired Self-Corrective Clock, Flush Mount.....	221.83	25.94
	<i>For Surface Mount, Add</i>	33.99	
	<i>For >50 To 100, Deduct</i>	-10.20	
	<i>For >100, Deduct</i>	-17.00	
27 53 13 00-0026	EA 4", 120 Volt AC, Digital, Wired Self-Corrective Clock, Flush Mount.....	334.03	25.94
	<i>For Surface Mount, Add</i>	56.43	
	<i>For >50 To 100, Deduct</i>	-16.93	
	<i>For >100, Deduct</i>	-28.22	

27 53 13 00-0027 Replacement Modules For 24 Volt AC, Digital, Wired Self-Corrective Clocks

27 53 13 00-0028	EA 2.5", Replacement Module For 24 Volt AC, Digital, Wired Self-Corrective Clocks.....	191.72	25.94
	<i>For >50 To 100, Deduct</i>	-8.39	
	<i>For >100, Deduct</i>	-13.98	
27 53 13 00-0029	EA 4" Replacement Module For 24 Volt AC, Digital, Wired Self-Corrective Clocks.....	306.80	25.94
	<i>For >50 To 100, Deduct</i>	-15.30	
	<i>For >100, Deduct</i>	-25.49	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 53 13 00-0030 Replacement Modules For 120 Volt AC, Digital, Wired Self-Corrective Clocks <small>(27 53 13 00-0020)</small>		
27 53 13 00-0031 EA 2.5", Replacement Module For 120 Volt AC, Digital, Wired Self-Corrective Clocks.....	191.72	25.94
<i>For >50 To 100, Deduct</i>	-8.39	
<i>For >100, Deduct</i>	-13.98	
27 53 13 00-0032 EA 4" Replacement Module For 120 Volt AC, Digital, Wired Self-Corrective Clocks.....	306.80	25.94
<i>For >50 To 100, Deduct</i>	-15.30	
<i>For >100, Deduct</i>	-25.49	
27 53 13 00-0033 Accessories For Digital Wired Self-Corrective Clocks <small>(27 53 13 00-0020)</small>		
27 53 13 00-0034 EA Wire Guard For 4" Surface Mount Analog Wired Self-Corrective Clocks.....	195.89	12.97
27 53 13 00-0035 EA 2.5", Recessed Back Box For Flush Mount Digital Wired Self-Corrective Clocks.....	52.34	12.97
27 53 13 00-0036 EA 4", Recessed Back Box For Flush Mount Digital Wired Self-Corrective Clocks.....	69.66	12.97
27 53 13 00-0037 EA Dual Mounting Kit For Surface Mount Digital Wired Self-Corrective Clocks.....	171.96	12.97
27 53 13 00-0038 EA 4 Gang Extension Ring For Surface Mount Digital Wired Self-Corrective Clocks.....	53.58	12.97
27 53 13 00-0039 Wired Self-Corrective Master Clocks <small>(27 53 13 00-0001)</small>		
27 53 13 00-0040 Wired Self-Corrective Master Clocks <small>(27 53 13 00-0039)</small>		
27 53 13 00-0041 EA 24 Volt AC, Wired Self-Corrective Master Clock, Surface Mount (Telecor 2400-S-24).....	2,061.73	207.52
27 53 13 00-0042 EA 120 Volt AC, Wired Self-Corrective Master Clock, Surface Mount (Telecor 2400-S-120).....	2,185.48	207.52
27 53 13 00-0043 Accessories For Wired Self-Corrective Master Clocks <small>(27 53 13 00-0039)</small>		
27 53 13 00-0044 EA 5 Amp Power Transformer For 24 Volt AC, Wired Self-Corrective Clock Systems (Telecor 2405).....	228.75	51.88
27 53 13 00-0045 EA 10 Amp Power Transformer For 24 Volt AC, Wired Self-Corrective Clock Systems (Telecor 2406).....	254.74	51.88
27 53 13 00-0046 Other Clock And Program Systems <small>(27 53 13)</small>		
27 53 13 00-0047 EA 4 Circuit Master Clock And Signal Control (Lathem LTR4-512).....	1,078.92	103.76
27 53 13 00-0048 EA 8 Circuit Master Clock And Signal Control (Lathem LTR8-512).....	1,369.05	207.52
27 53 13 00-0049 EA Program Bell (Lathem 906-6).....	187.67	51.88
27 53 13 00-0050 EA Combination Clock And Speaker.....	435.43	129.70

END OF SECTION 27

27 Communications

27 50 Distributed Communications And Monitoring Systems

27 53 Distributed Systems



MINOR	TOTAL DIRECT	DEMOLITION
CSI UOM DESCRIPTION	UNIT COST	UNIT COST

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MINOR	CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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28 Electronic Safety And Security

Note: Termination costs are included with all safety and security equipment, panel boards, and devices. Terminations are not included with patch panels.

28 05 Common Work Results For Electronic Safety And Security ⁽²⁸⁾

28 05 13 Conductors And Cables For Electronic Safety And Security ^(28 05)

28 05 13 13 **CCTV Communications Conductors And Cables** ^(28 05 13)

See CSI section 26 05 19 00-0000 for low-voltage electrical power cable, 26 05 23 00-0000 for control-voltage electrical power cable, 27 14 00 00-0000 for conductors and cables.

28 05 13 16 **Access Control Communications Conductors And Cables** ^(28 05 13)

See CSI section 26 05 19 00-0000 for low-voltage electrical power cable, 26 05 23 00-0000 for control-voltage electrical power cable, 27 14 00 00-0000 for conductors and cables.

28 05 13 19 **Intrusion Detection Communications Conductors And Cables** ^(28 05 13)

See CSI section 26 05 19 00-0000 for low-voltage electrical power cable, 26 05 23 00-0000 for control-voltage electrical power cable, 27 14 00 00-0000 for conductors and cables, 28 05 13 23-0000 for Type FPLP.

28 05 13 23 **Fire Alarm Communications Conductors And Cables** ^(28 05 13)

28 05 13 23-0001 Fire Alarm/Life Safety Cable ^(28 05 13 23)

28 05 13 23-0002 Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable ^(28 05 13 23-0001)

28 05 13 23-0003 Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit ^(28 05 13 23-0002)

28 05 13 23-0004	MLF	1-Pair, 18 AWG, Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	1,787.11		705.97
28 05 13 23-0005	MLF	2-Pair, 18 AWG, Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	2,234.46		731.50
28 05 13 23-0006	MLF	1-Pair, 16 AWG, Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	2,038.57		802.47
28 05 13 23-0007	MLF	2-Pair, 16 AWG, Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	2,755.23		831.11
28 05 13 23-0008	MLF	1-Pair, 14 AWG, Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	2,349.04		898.35
28 05 13 23-0009	MLF	2-Pair, 14 AWG, Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	3,372.24		930.72
28 05 13 23-0010	MLF	1-Pair, 12 AWG, Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	3,045.51		1,027.22
28 05 13 23-0011	MLF	2-Pair, 12 AWG, Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	4,639.25		1,063.84

28 05 13 23-0012 Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed ^(28 05 13 23-0002)

28 05 13 23-0013	MLF	1-Pair, 18 AWG, Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed	2,963.75		1,412.16
28 05 13 23-0014	MLF	2-Pair, 18 AWG, Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed	3,453.63		1,463.01
28 05 13 23-0015	MLF	1-Pair, 16 AWG, Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed	3,376.03		1,605.15
28 05 13 23-0016	MLF	2-Pair, 16 AWG, Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed	4,140.41		1,662.22
28 05 13 23-0017	MLF	1-Pair, 14 AWG, Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed	3,846.27		1,797.10
28 05 13 23-0018	MLF	2-Pair, 14 AWG, Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed	4,923.44		1,861.44
28 05 13 23-0019	MLF	1-Pair, 12 AWG, Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed	4,757.54		2,054.43
28 05 13 23-0020	MLF	2-Pair, 12 AWG, Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed	6,412.50		2,128.09

28 05 13 23-0021 Shielded, Non-Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit ^(28 05 13 23-0001)

28 05 13 23-0022	MLF	2/c #22 AWG, Shielded, Non-Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	1,095.67		577.73
28 05 13 23-0023	MLF	4/c #22 AWG, Shielded, Non-Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	1,192.66		598.28
28 05 13 23-0024	MLF	2/c #18 AWG, Shielded, Non-Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	1,332.02		705.97
28 05 13 23-0025	MLF	3/c #18 AWG, Shielded, Non-Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	1,430.63		718.73
28 05 13 23-0026	MLF	4/c #18 AWG, Shielded, Non-Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	1,489.10		731.50
28 05 13 23-0027	MLF	6/c #18 AWG, Shielded, Non-Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	1,682.12		757.02

28 Electronic Safety And Security
28 05 Common Work Results For Electronic Safety And Security
28 05 13 Conductors And Cables For Electronic Safety And Security



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 05 13 23-0028 MLF 8/c #18 AWG, Shielded, Non-Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	1,962.32	782.55
28 05 13 23-0029 MLF 2/c #16 AWG, Shielded, Non-Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	1,560.28	802.47
28 05 13 23-0030 MLF 4/c #16 AWG, Shielded, Non-Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	1,775.73	831.11
28 05 13 23-0031 MLF 2/c #14 AWG, Shielded, Non-Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	1,816.60	898.35
28 05 13 23-0032 MLF 4/c #14 AWG, Shielded, Non-Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	2,156.77	930.72
28 05 13 23-0033 MLF 2/c #12 AWG, Shielded, Non-Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	2,237.34	1,027.22
28 05 13 23-0034 MLF 4/c #12 AWG, Shielded, Non-Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	2,790.50	1,063.84
28 05 13 23-0035 Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable (28 05 13 23-0001)		
28 05 13 23-0036 Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit (28 05 13 23-0035)		
28 05 13 23-0037 MLF 2/c #22 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	1,085.22	577.73
28 05 13 23-0038 MLF 2/c #18 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	1,325.23	705.97
28 05 13 23-0039 MLF 3/c #18 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	1,496.25	718.73
28 05 13 23-0040 MLF 4/c #18 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	1,507.27	731.50
28 05 13 23-0041 MLF 6/c #18 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	1,776.95	757.02
28 05 13 23-0042 MLF 2/c #16 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	1,550.02	802.47
28 05 13 23-0043 MLF 4/c #16 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	1,798.75	831.11
28 05 13 23-0044 MLF 2/c #14 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	1,770.42	898.35
28 05 13 23-0045 MLF 4/c #14 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	2,340.30	930.72
28 05 13 23-0046 MLF 2/c #12 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	2,222.25	1,027.22
28 05 13 23-0047 MLF 4/c #12 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	3,069.12	1,063.84
28 05 13 23-0048 Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed (28 05 13 23-0035)		
28 05 13 23-0049 MLF 2/c #22 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed.....	2,048.11	1,155.88
28 05 13 23-0050 MLF 2/c #18 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed.....	2,501.87	1,412.16
28 05 13 23-0051 MLF 3/c #18 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed.....	2,693.62	1,437.06
28 05 13 23-0052 MLF 4/c #18 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed.....	2,726.44	1,463.01
28 05 13 23-0053 MLF 6/c #18 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed.....	3,038.65	1,513.85
28 05 13 23-0054 MLF 2/c #16 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed.....	2,887.48	1,605.15
28 05 13 23-0055 MLF 4/c #16 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed.....	3,183.93	1,662.22
28 05 13 23-0056 MLF 2/c #14 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed.....	3,267.65	1,797.10
28 05 13 23-0057 MLF 4/c #14 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed.....	3,891.50	1,861.44
28 05 13 23-0058 MLF 2/c #12 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed.....	3,934.28	2,054.43
28 05 13 23-0059 MLF 4/c #12 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed.....	4,842.37	2,128.09
28 05 13 23-0060 Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable (28 05 13 23-0001)		
28 05 13 23-0061 Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit (28 05 13 23-0060)		
28 05 13 23-0062 MLF 2/c #22 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	1,128.24	577.73
28 05 13 23-0063 MLF 2/c #18 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	1,355.95	705.97
28 05 13 23-0064 MLF 3/c #18 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	1,610.29	718.73
28 05 13 23-0065 MLF 4/c #18 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	1,538.71	731.50
28 05 13 23-0066 MLF 6/c #18 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	1,809.10	757.02
28 05 13 23-0067 MLF 2/c #16 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	1,620.63	802.47



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 05 13 23-0068 MLF 4/c #16 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	1,831.41	831.11
28 05 13 23-0069 MLF 2/c #14 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	1,922.71	898.35
28 05 13 23-0070 MLF 4/c #14 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	2,263.94	930.72
28 05 13 23-0071 MLF 2/c #12 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	2,334.94	1,027.22
28 05 13 23-0072 MLF 4/c #12 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	2,837.28	1,063.84
28 05 13 23-0073 Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed <small>(28 05 13 23-0060)</small>		
28 05 13 23-0074 MLF 2/c #22 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed	2,091.13	1,155.88
28 05 13 23-0075 MLF 2/c #18 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed	2,532.59	1,412.16
28 05 13 23-0076 MLF 3/c #18 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed	2,807.66	1,437.06
28 05 13 23-0077 MLF 4/c #18 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed	2,757.88	1,463.01
28 05 13 23-0078 MLF 6/c #18 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed	3,070.80	1,513.85
28 05 13 23-0079 MLF 2/c #16 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed	2,958.09	1,605.15
28 05 13 23-0080 MLF 4/c #16 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed	3,216.59	1,662.22
28 05 13 23-0081 MLF 2/c #14 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed	3,419.94	1,797.10
28 05 13 23-0082 MLF 4/c #14 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed	3,815.14	1,861.44
28 05 13 23-0083 MLF 2/c #12 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed	4,046.97	2,054.43
28 05 13 23-0084 MLF 4/c #12 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed	4,610.53	2,128.09
28 05 26 Grounding And Bonding For Electronic Safety And Security <small>(28 05)</small>		
See CSI section 26 05 26 00-0000 for grounding and bonding.		
28 05 28 Pathways For Electronic Safety And Security <small>(28 05)</small>		
28 05 28 29 Hangers And Supports For Electronic Safety And Security <small>(28 05 28)</small>		
See CSI section 26 05 29 00-0000 for hangers and supports.		
28 05 28 33 Conduits And Backboxes For Electronic Safety And Security <small>(28 05 28)</small>		
See CSI section 26 05 33 13-0000 for conduits.		
28 05 28 36 Cable Trays For Electronic Safety And Security <small>(28 05 28)</small>		
See CSI section 26 05 36 00-0000 for cable trays.		
28 05 28 39 Surface Raceways For Electronic Safety And Security <small>(28 05 28)</small>		
See CSI section 26 05 33 23-0000 for surface raceways.		
28 05 53 Identification For Electronic Safety And Security <small>(28 05)</small>		
See CSI section 26 05 53 00-0000 for identification.		
28 10 Access Control <small>(28)</small>		
Note: Includes testing of new devices and certification.		
28 15 Access Control Hardware Devices <small>(28 10)</small>		
28 15 11 Integrated Credential Readers and Field Entry Management <small>(28 15)</small>		
28 15 11 13 Keypads <small>(28 15 11)</small>		
28 15 11 13-0001 Vindicator Security Alarm System <small>(28 15 11 13)</small>		
28 15 11 13-0002 EA Switch, Balanced Magnetic Door (Security) Vindicator #192-30894-00.....	1,111.84	216.34
28 15 11 13-0003 EA Detector, Passive Infrared (Security) Vindicator #316-30812-00.....	1,400.83	281.18
28 15 11 13-0004 EA Premise Control Unit (Security) Vindicator #548-32004-01	6,487.37	616.33
28 15 11 13-0005 EA Access Manager (Security Key Pad) Vindicator #548-31894-01	3,023.25	525.23
28 15 11 13-0006 EA ALS Duress Switch (Security) Vindicator #192-30810-00.....	946.22	287.31
28 16 Access Control Interfaces <small>(28 10)</small>		
28 16 11 Access Control Interfaces to Access Control Hardware <small>(28 16)</small>		
28 16 11 00-0001 Stand Alone Access Controls <small>(28 16 11)</small>		
28 16 11 00-0002 Push Button Controls, Stand Alone Access Controls <small>(28 16 11 00-0001)</small>		
28 16 11 00-0003 Interior Mount, Push Button Controls, Stand Alone Access Controls <small>(28 16 11 00-0002)</small>		
28 16 11 00-0004 EA Exit Push Button, Push Button Controls, Interior Stand Alone Access Controls.....	87.88	25.94
Note: Controls mount to a standard mullion.		
28 16 11 00-0005 EA Exit Push Button, Push Button Controls, Interior Stand Alone Access Controls.....	90.88	25.94
Note: Controls mount into a single gang electrical box. Excludes electrical box.		
28 16 11 00-0006 EA Three Button, Push Button Controls, Interior Stand Alone Access Controls For Gate Operators.....	108.13	25.94
Note: Controls mount into a single gang electrical box. Excludes electrical box.		
28 16 11 00-0007 Exterior Mount, Push Button Controls, Stand Alone Access Controls <small>(28 16 11 00-0002)</small>		
Note: Includes a lockable, gasketed 16 gauge steel enclosure. Excludes mounting posts.		
28 16 11 00-0008 EA Handicap/Push To Open, Push Button Controls, Exterior Stand Alone Access Controls	103.88	25.94
Note: Controls mount into a single gang electrical box. Excludes electrical box.		
28 16 11 00-0009 EA 42" High Aluminum Post With Handicap/Push To Open, Push Button Controls, Exterior Stand Alone Access Controls.....	454.64	77.82
Note: Includes post, mounting base and push button control. Excludes concrete foundation.		

28 Electronic Safety And Security**28 10 Access Control****28 16 Access Control Interfaces**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 16 11 00-0010 EA Three Button, Exterior Stand Alone Access Controls For Gate Operators..... Note: Includes open, close and stop controls.	153.13	25.94
28 16 11 00-0011 Key Controls, Stand Alone Access Controls (28 16 11 00-0001)		
28 16 11 00-0012 Interior Mount, Key Controls, Stand Alone Access Controls (28 16 11 00-0011)		
28 16 11 00-0013 EA Standard Mortise Key, Key Controls, Interior Stand Alone Access Controls..... Note: Controls mount into a single gang electrical box. Excludes electrical box.	113.76	25.94
28 16 11 00-0014 Exterior Mount, Key Controls, Stand Alone Access Controls (28 16 11 00-0011) Note: Includes a lockable NEMA rain resistant steel enclosure. Excludes mounting posts.		
28 16 11 00-0015 EA Postal Or Fire Department Lock Box, Key Controls, Exterior Stand Alone Access Controls Note: Opens door or gate with a postal or fire department key.	186.26	51.88
28 16 11 00-0016 EA Standard Mortise Key, Key Controls, Exterior Stand Alone Access Controls	265.76	51.88
28 16 11 00-0017 EA Ace Key, Key Controls, Exterior Stand Alone Access Controls	265.76	51.88
28 16 11 00-0018 EA Standard Mortise Key And Push Button Intercom, Key Controls, Exterior Stand Alone Access Controls.....	379.76	51.88
28 16 11 00-0019 Keypad Controls, Stand Alone Access Controls (28 16 11 00-0001)		
28 16 11 00-0020 Interior Mount, Keypad Controls, Stand Alone Access Controls (28 16 11 00-0019)		
28 16 11 00-0021 EA One Code Memory, Keypad Control, Interior Stand Alone Access Controls..... Note: Stores one 4-digit entry code and one 4-digit hold code. Controls mount into a single gang electrical box. Excludes electrical box.	149.38	25.94
28 16 11 00-0022 Exterior Mount, Keypad Controls, Stand Alone Access Controls (28 16 11 00-0019) Note: Includes a surface mounted lockable NEMA rain resistant steel enclosure. Excludes mounting posts.		
28 16 11 00-0023 Keypad Controls, Exterior Stand Alone Access Controls (28 16 11 00-0022)		
28 16 11 00-0024 EA 1000 Code Memory, Keypad Control, Exterior Stand Alone Access Controls Note: Includes lighted keypad. Stores one thousand 4-digit entry codes and six 5-digit entry codes.	620.02	103.76
<i>For Flush Mount, Add</i>	92.81	
28 16 11 00-0025 Keypad Controls With Push Button Intercom, Exterior Stand Alone Access Controls (28 16 11 00-0022) Note: Includes intercom sub-station. Excludes additional receiving intercoms.		
28 16 11 00-0026 EA 1000 Code Memory, Keypad Controls With Push Button Intercom, Exterior Stand Alone Access Controls..... Note: Includes lighted keypad. Stores one thousand 4-digit entry codes and six 5-digit entry codes.	743.46	116.73
<i>For Flush Mount, Add</i>	114.75	
28 16 11 00-0027 RF Controls, Stand Alone Access Controls (28 16 11 00-0001)		
28 16 11 00-0028 Exterior Mount, RF Controls, Stand Alone Access Controls (28 16 11 00-0027) Note: Includes a lockable NEMA rain resistant steel enclosure. Excludes mounting posts and transmitters.		
28 16 11 00-0029 RF Receivers, RF Controls, Exterior Stand Alone Access Controls (28 16 11 00-0028) Note: Includes a lockable NEMA rain resistant steel enclosure. Excludes mounting posts and transmitters.		
28 16 11 00-0030 EA 50 Code Memory, RF Receiver, RF Controls, Exterior Stand Alone Access Controls	410.02	103.76
28 16 11 00-0031 EA 100 Code Memory, RF Receiver, RF Controls, Exterior Stand Alone Access Controls.....	450.52	103.76
28 16 11 00-0032 EA 250 Code Memory, RF Receiver, RF Controls, Exterior Stand Alone Access Controls.....	489.52	103.76
28 16 11 00-0033 EA 500 Code Memory, RF Receiver, RF Controls, Exterior Stand Alone Access Controls.....	531.52	103.76
28 16 11 00-0034 EA 1000 Code Memory, RF Receiver, RF Controls, Exterior Stand Alone Access Controls.....	570.52	103.76
28 16 11 00-0035 EA 5000 Code Memory, RF Receiver, RF Controls, Exterior Stand Alone Access Controls.....	612.52	103.76
28 16 11 00-0036 EA 16000 Code Memory, RF Receiver, RF Controls, Exterior Stand Alone Access Controls.....	651.52	103.76
28 16 11 00-0037 RF Transmitters, RF Controls, Exterior Stand Alone Access Controls (28 16 11 00-0028)		
28 16 11 00-0038 EA 1 Button, RF Transmitter, RF Controls, Exterior Stand Alone Access Controls.....	25.50	
<i>For >40 To 110, Deduct</i>	-1.28	
<i>For >110, Deduct</i>	-2.55	
<i>For Built In Proximity Tags, Add</i>	5.10	
28 16 11 00-0039 EA 2 Button, RF Transmitter, RF Controls, Exterior Stand Alone Access Controls.....	27.00	
<i>For >40 To 110, Deduct</i>	-1.35	
<i>For >110, Deduct</i>	-2.70	
<i>For Built In Proximity Tags, Add</i>	5.40	
28 16 11 00-0040 EA 3 Button, RF Transmitter, RF Controls, Exterior Stand Alone Access Controls.....	28.50	
<i>For >40 To 110, Deduct</i>	-1.43	
<i>For >110, Deduct</i>	-2.85	
<i>For Built In Proximity Tags, Add</i>	5.70	
28 16 11 00-0041 Accessories For RF Receivers, Exterior Stand Alone Access Controls (28 16 11 00-0028)		
28 16 11 00-0042 EA Coax Antenna Kit For RF Receivers, Exterior Stand Alone Access Controls	191.64	77.82
Note: Includes 15' of coax cable.		
28 16 11 00-0043 EA Antenna Amplifier For RF Receivers, Exterior Stand Alone Access Controls	305.64	77.82
Note: Includes 20' of coax cable.		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 16 11 00-0044 EA Yagi High-Gain Antenna Kit For RF Receivers, Exterior Stand Alone Access Controls Note: Includes 15' of coax cable.	284.64	77.82
28 16 11 00-0045 Proximity Card Controls, Stand Alone Access Controls (28 16 11 00-0001)		
28 16 11 00-0046 Exterior Mount, Proximity Card Controls, Stand Alone Access Controls (28 16 11 00-0045) Note: Includes a lockable NEMA rain resistant steel enclosure. Excludes mounting posts.		
28 16 11 00-0047 DKS Proximity Card Controls, Exterior Stand Alone Access Controls (28 16 11 00-0046)		
28 16 11 00-0048 DKS Proximity Card Readers, Exterior Stand Alone Access Controls (28 16 11 00-0047)		
28 16 11 00-0049 EA DKS Proximity Card Reader, Exterior Stand Alone Access Controls.....	695.02	103.76
28 16 11 00-0050 AWID Proximity Card Controls, Exterior Stand Alone Access Controls (28 16 11 00-0046)		
28 16 11 00-0051 AWID Proximity Card Readers, Exterior Stand Alone Access Controls (28 16 11 00-0050)		
28 16 11 00-0052 EA AWID Proximity Card Reader, Exterior Stand Alone Access Controls.....	747.52	103.76
28 16 11 00-0053 HID Proximity Card Controls, Exterior Stand Alone Access Controls (28 16 11 00-0046)		
28 16 11 00-0054 HID Proximity Card Readers, Exterior Stand Alone Access Controls (28 16 11 00-0053)		
28 16 11 00-0055 EA HID Proximity Card Reader, Exterior Stand Alone Access Controls.....	867.52	103.76
28 16 11 00-0056 Magnetic Stripe Card Controls, Stand Alone Access Controls (28 16 11 00-0001)		
28 16 11 00-0057 Interior Mount, Magnetic Stripe Card Controls, Stand Alone Access Controls (28 16 11 00-0056)		
28 16 11 00-0058 EA Magnetic Stripe Reader, Interior Stand Alone Access Controls.....	455.02	103.76
28 16 11 00-0059 Exterior Mount, Magnetic Stripe Card Controls, Stand Alone Access Controls (28 16 11 00-0056) Note: Includes a lockable NEMA rain resistant steel enclosure. Excludes mounting posts.		
28 16 11 00-0060 EA Magnetic Stripe Reader, Exterior Stand Alone Access Controls.....	539.72	103.76
28 16 11 00-0061 Other Stand Alone Access Controls (28 16 11 00-0001)		
28 16 11 00-0062 EA Toggle Switch, Interior Access Controls For Gate Operators Note: Controls mount into a single gang electrical box. Excludes electrical box.	85.63	25.94
28 16 11 00-0063 Wiegand Output Access Controls (28 16 11) Note: Excludes controllers.		
28 16 11 00-0064 Proximity Card Controls, Wiegand Output Access Controls (28 16 11 00-0063)		
28 16 11 00-0065 DKS, Proximity Card Controls, Wiegand Output Access Controls (28 16 11 00-0064)		
28 16 11 00-0066 DKS, Proximity Cards (28 16 11 00-0065)		
28 16 11 00-0067 EA Clamshell Type, DKS Proximity Card (DKS 170).....	3.99	
28 16 11 00-0068 EA ISO Compliant Graphics Card, DKS Proximity Card (DKS 80).....	6.58	
28 16 11 00-0069 EA DKS Proximity Key Fob (DKS 50).....	6.93	
28 16 11 00-0070 EA Active Tag, DKS Proximity Tag (DKS 150)..... Note: Battery powered tag to boost signal.	39.20	
28 16 11 00-0071 EA Active Tag, DKS Proximity Tag (DKS 200)..... Note: Battery powered tag to boost signal.	51.10	
28 16 11 00-0072 DKS, Proximity Card Readers, Wiegand Output Access Controls (28 16 11 00-0065)		
28 16 11 00-0073 EA Up To 2" Read Range, 12 Volt DC, DKS Proximity Card Reader, Wiegand Output Access Controls (DKS Small).....	339.19	129.70
28 16 11 00-0074 EA Up To 3" Read Range, 12 Volt DC, DKS Proximity Card Reader, Wiegand Output Access Controls (DKS Mullion)	339.19	129.70
28 16 11 00-0075 EA Up To 4" Read Range, 12 Volt DC, DKS Proximity Card Reader, Wiegand Output Access Controls (DKS Single Gang)	339.19	129.70
28 16 11 00-0076 EA Up To 30" Read Range, 12 Volt DC, DKS Proximity Card Reader, Wiegand Output Access Controls (DKS)..... Note: Includes mounting bracket and 12 VDC regulated power supply.	712.99	129.70
28 16 11 00-0077 AWID, Proximity Card Controls, Wiegand Output Access Controls (28 16 11 00-0064)		
28 16 11 00-0078 AWID, Proximity Cards (28 16 11 00-0077)		
28 16 11 00-0079 EA Clamshell Type, AWID Proximity Card (AWID Prox-Linc CS).....	3.36	
28 16 11 00-0080 EA ISO Compliant Graphics Card, AWID Proximity Card (AWID Prox-Linc GR).....	5.25	
28 16 11 00-0081 EA AWID Proximity Key Fob (AWID Prox-Linc KT).....	5.60	
28 16 11 00-0082 EA Windshield Tag For LR 2000 Readers, AWID Proximity Tag	19.60	
28 16 11 00-0083 EA Metal Mount Tag For LR 2000 Readers, AWID Proximity Tag	19.60	

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MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 16 11 00-0084			AWID, Proximity Card Readers, Wiegand Output Access Controls (28 16 11 00-0077)		
28 16 11 00-0085	EA		Up To 4" Read Range, 5-12 Volt DC, AWID Proximity Card Reader, Wiegand Output Access Controls (AWID SR 2400).....	385.39	129.70
			Note: For mullion mounting.		
28 16 11 00-0086	EA		Up To 8" Read Range, 5-12 Volt DC, AWID Proximity Card Reader, Wiegand Output Access Controls (AWID MM 6800).....	486.19	129.70
			Note: For mullion mounting.		
28 16 11 00-0087	EA		Up To 8" Read Range, 5-12 Volt DC, AWID Proximity Card Reader, Wiegand Output Access Controls (AWID MM 6820).....	486.19	129.70
			Note: For single gang electrical box mounting.		
28 16 11 00-0088	EA		Up To 24" Read Range, 5-12 Volt DC, AWID Proximity Card Reader, Wiegand Output Access Controls (AWID MR 1824).....	714.39	129.70
			Note: Includes 12 VDC regulated power supply.		
28 16 11 00-0089	EA		Up To 11' Read Range, 12 Volt DC, AWID Proximity Card Reader, Wiegand Output Access Controls (AWID LR 2000).....	3,452.79	129.70
			Note: Includes mounting bracket and 12 VDC regulated power supply.		
28 16 11 00-0090			HID, Proximity Card Controls, Wiegand Output Access Controls (28 16 11 00-0064)		
28 16 11 00-0091			HID, Proximity Cards (28 16 11 00-0090)		
28 16 11 00-0092	EA		Clamshell Type, HID Proximity Card (HID ProxCard II).....	11.84	
28 16 11 00-0093	EA		ISO Compliant Graphics Card, HID Proximity Card (HID ISOProx II).....	14.36	
28 16 11 00-0094	EA		HID Proximity Key Fob (HID ProxKey II).....	14.64	
28 16 11 00-0095			HID, Proximity Card Readers, Wiegand Output Access Controls (28 16 11 00-0090)		
28 16 11 00-0096	EA		Up To 3" Read Range, 5-16 Volt DC, HID Proximity Card Reader, Wiegand Output Access Controls (HID ProxPoint Plus).....	382.58	129.70
			Note: For mullion mounting. (HID P/N 6005).		
28 16 11 00-0097	EA		Up To 5" Read Range, 5-16 Volt DC, HID Proximity Card Reader, Wiegand Output Access Controls (HID ThinLine II).....	432.36	129.70
			Note: For single gang electrical box mounting. (HID P/N 5395).		
28 16 11 00-0098	EA		Up To 5" Read Range, 5-16 Volt DC, HID Proximity Card Reader, Wiegand Output Access Controls (HID MiniProx).....	469.69	129.70
			Note: For mullion mounting. (HID P/N 5365).		
28 16 11 00-0099	EA		EntryProx Single-Door Proximity Access Control.....	570.48	129.70
			Note: (HID P/N 4045) Stores up to 2,000 users and 1,000 time-stamped transactions 12 position keypad for Pin entry or programming optional use with card/key fob, code only or card plus pin code Wiegand output mode. Continental Instrument CICR2358P.		
28 16 11 00-0100			Contactless Smart Card Controls, Wiegand Output Access Controls (28 16 11 00-0063)		
28 16 11 00-0101			HID, Contactless Smart Cards (28 16 11 00-0100)		
28 16 11 00-0102	EA		2K Bits, Clamshell Type, HID iClass, Contactless Smart Card.....	6.16	
28 16 11 00-0103	EA		16K Bits, ISO Compliant Graphics Card, HID iClass, Contactless Smart Card.....	6.72	
28 16 11 00-0104	EA		16K Bits, Contactless Smartcard Key Fob, HID iClass, Contactless Smart Card.....	8.80	
28 16 11 00-0105	EA		16K Bits, Contactless Smartcard Tag, HID iClass, Contactless Smart Card.....	4.76	
			Note: Battery powered tag to boost signal.		
28 16 11 00-0106			HID, Contactless Smart Card Readers, Wiegand Output Access Controls (28 16 11 00-0100)		
28 16 11 00-0107	EA		Up To 3-1/4" Read Range, 5-16 Volt DC, HID iClass Contactless Smart Card Reader, Wiegand Output Access Controls (HID R10).....	370.49	129.70
			Note: For mullion mounting.		
28 16 11 00-0108	EA		Up To 4-1/4" Read Range, 5-12 Volt DC, HID iClass Contactless Smart Card Reader, Wiegand Output Access Controls (HID R40).....	462.89	129.70
			Note: For mullion mounting.		
28 16 11 00-0109	EA		Up To 4-1/4" Read Range, 5-12 Volt DC, HID iClass Contactless Smart Card Reader With Keypad, Wiegand Output Access Controls (HID RK40).....	670.79	129.70
			Note: For mullion mounting.		
28 16 11 00-0110			HID, Contactless Smart Card Programmer, Wiegand Output Access Controls (28 16 11 00-0100)		
28 16 11 00-0111	EA		HID iClass Contactless Smart Card Programmer, Wiegand Output Access Controls (HID CP400).....	1,840.09	129.70
			Note: For mullion mounting.		
28 16 11 00-0112			Call Station Controls, Wiegand Output Access Controls (28 16 11 00-0063)		
			Note: Includes intercom sub-station. Excludes additional receiving intercoms.		
28 16 11 00-0113	EA		Call Station With Entry Keypad, Exterior Wiegand Output Access Controls.....	799.39	129.70
			Note: For mullion mounting.		
28 16 11 00-0114	EA		Call Station With Proximity Card Reader, Exterior Wiegand Output Access Controls.....	686.89	129.70
			Note: For mullion mounting.		
28 16 11 00-0115			Biometrics Readers, Wiegand Output Access Controls (28 16 11 00-0063)		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 16 11 00-0116 EA Palm Reader Recognition System, Biometrics Readers, Wiegand Output Access Controls	3,133.47	103.76
28 16 11 00-0117 EA CCD Camera, Face Image, Biometrics Readers, Wiegand Output Access Controls.....	3,805.82	103.76
28 16 11 00-0118 EA Video Grabber Card For DFR Reader, Biometrics Readers, Wiegand Output Access Controls.....	1,559.00	103.76
28 16 11 00-0119 EA Fingerprint Reader, Biometrics Readers, Wiegand Output Access Controls (Bioscrypt V-Pass)	972.02	103.76
28 16 11 00-0120 EA Fingerprint Reader With HID Card Reader, Biometrics Readers, Wiegand Output Access Controls (Bioscrypt V-Prox)	1,071.02	103.76
28 16 11 00-0121 EA Fingerprint Reader With Contactless Smart Card Reader, Biometrics Readers, Wiegand Output Access Controls (Bioscrypt V-Smart)	972.02	103.76
28 16 11 00-0122 Exterior Mounting Posts For Gate Operator Access Controls <small>(28 16 11)</small> Note: Includes mounting plate for access controls, baked on enamel finish and mounting bolt covers. Excludes concrete pads and electrical connections.		
28 16 11 00-0123 2" x 2" Steel, Exterior Mounting Posts For Gate Operator Access Controls <small>(28 16 11 00-0122)</small>		
28 16 11 00-0124 EA 44" Tall, Gooseneck Style, Single Mount, 2" x 2" Steel, Exterior Mounting Post For Gate Operator Access Controls.....	196.58	18.04
Note: Includes a 5" x 5" base plate.		
28 16 11 00-0125 EA 73" Tall, Gooseneck Style, Dual Mount, 2" x 2" Steel, Exterior Mounting Post For Gate Operator Access Controls.....	373.58	18.04
Note: Includes an 8" x 8" base plate.		
28 16 11 00-0126 EA Anchor Post For 2" x 2" Steel, Exterior Mounting Post For Gate Operator Access Controls	178.58	18.04
Note: Includes a 24" in-ground post with matching base plate, conduit access and mounting hardware.		
28 16 11 00-0127 4" x 4" Steel, Exterior Mounting Posts For Gate Operator Access Controls <small>(28 16 11 00-0122)</small>		
28 16 11 00-0128 EA 59" Tall, Straight Style, Single Mount, 4" x 4" Steel, Exterior Mounting Post For Vehicular Gate Operator Access Controls.....	345.08	18.04
Note: Includes an 8" x 8" base plate.		
28 16 11 00-0129 EA 49" Tall, Offset Style, Single Mount, 4" x 4" Steel, Exterior Mounting Post For Vehicular Gate Operator Access Controls	411.08	18.04
Note: Includes an 8" x 8" base plate and a 14" offset from back of post.		
28 16 11 00-0130 EA Anchor Post For 4" x 4" Steel, Exterior Mounting Post For Vehicular Gate Operator Access Controls	253.58	18.04
Note: Includes a 24" in-ground post with matching base plate, conduit access and mounting hardware.		
28 16 11 00-0131 4" x 8" Steel, Exterior Mounting Posts For Gate Operator Access Controls <small>(28 16 11 00-0122)</small>		
28 16 11 00-0132 EA 59" Tall, Straight Style, Single Mount, 4" x 8" Steel, Exterior Mounting Post For Gate Operator Access Controls.....	1,108.58	18.04
Note: Includes a 11" x 13" base plate.		
28 16 11 00-0133 EA 50" Tall, Offset Style, Single Mount, 4" x 8" Steel, Exterior Mounting Post For Gate Operator Access Controls.....	1,161.08	18.04
Note: Includes a 10" x 14" base plate and a 14" offset from back of post.		
28 16 11 00-0134 EA Anchor Post For 4" x 8" Steel, Exterior Mounting Post For Gate Operator Access Controls	478.58	18.04
Note: Includes a 24" in-ground post with matching base plate, conduit access and mounting hardware.		
28 16 11 00-0135 EA 48" Light Tower For 4" x 8" Steel, Exterior Mounting Post For Gate Operator Access Controls.....	763.58	18.04
28 16 11 00-0136 Access Control Accessories <small>(28 16 11)</small>		
28 16 11 00-0137 EA Modem: Multitech, Mt2834L.....	1,321.78	
28 16 11 00-0138 EA 6 Volt DC, 12 Volt DC, Or 24 Volt DC, @ 4 Amps, Power Supply/Charger (Altronix SMP-5).....	367.82	
28 16 11 00-0139 EA 12 Volt, 7 Amp, Battery	43.01	
28 16 11 00-0140 EA 12 Volt, 18 Amp, Battery	95.88	
28 16 11 00-0141 EA Door Personality Module (Sensormatic RM-4).....	396.95	25.94
28 16 11 00-0142 EA Mini-Alert Door Ajar Sounder (System Sensor PA400).....	185.56	51.88
28 16 11 00-0143 EA Recessed Contact For Steel Doors, Door Monitor Switch (Sentrol 1078C).....	73.41	31.13
28 16 11 00-0144 EA Access Control Systems Power Supply (Altronix AL400ULACMCB).....	408.47	20.75
28 16 11 00-0145 EA Surge Suppressor (Tripp-Lite IBAR4).....	63.26	5.20
28 16 11 00-0146 EA Door Strike Relay (Altronix RBSN-TTL).....	57.82	20.75
28 16 11 00-0147 Access Controllers <small>(28 16 11)</small>		
28 16 11 00-0148 Microterm Controller <small>(28 16 11 00-0147)</small>		
28 16 11 00-0149 EA Microterm Stand Alone One Or Two Door Processing Panel (Continental Instruments CICIP1100).....	1,021.69	129.70
Note: Up to 1,000 card capacity. Includes 2 alarm inputs, tamper alarm, and 3 relay outputs.		
28 16 11 00-0150 EA Microterm PC Board (Continental Instruments CICIP1100PCB)	706.35	77.82
28 16 11 00-0151 EA Battery Standby For Microterm (Continental Instruments CICIP1100BAT-2)	317.27	
Note: Input 120VAC, output 12VDC to temporarily power the Microterm only.		
28 16 11 00-0152 Miniterm Controller <small>(28 16 11 00-0147)</small>		
28 16 11 00-0153 EA Miniterm Two Reader Processing Panel (Continental Instrument CICIP1200).....	1,545.04	129.70
Note: Up to 3,000 card capacity. Includes 8 EOL Class A supervised alarm inputs, temper alarm, and 5 relay outputs. Complete in a lockable steel enclosure with battery standby for memory and system operation.		
28 16 11 00-0154 EA Miniterm PC Board (Continental Instrument CICIP1200PCB)	1,134.11	77.82
28 16 11 00-0155 Super-2 Controller <small>(28 16 11 00-0147)</small>		
28 16 11 00-0156 EA Super-Two - Two Reader Processing Panel (Continental Instruments CICIP1300)	1,168.77	129.70
Note: For use with CA3000 V2.0.25 and above. Up to a 125,000 card capacity, 8 EOL supervised alarm inputs, tamper, 5 relay outputs. Support for on-board LAN adapter, 57,600 baud rate, 6 access groups per card-holder and compressed data mode. Complete in a lockable steel enclosure with battery standby for memory and system operation.		

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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 16 11 00-0157 EA Super-Two - PC Board (Continental Instruments CICP1300BD).....	774.50	77.82
28 16 11 00-0158 EA Network Interface Board For Super-2 (Continental Instruments CICP1300NETBD).....	241.76	77.82
Note: Optional on-board adapter allows for communication over TCP/IP.		
28 16 11 00-0159 Smarterm Controller (28 16 11 00-0147)		
28 16 11 00-0160 EA Smarterm Four Reader Processing Panel (Continental Instrument CICP1400).....	3,158.26	155.64
Note: Card capacity up to 2,500. Includes 16 alarm inputs, tamper alarm, and 9 relay outputs. Complete in a lockable steel enclosure with battery standby for memory and system operation.		
28 16 11 00-0161 EA Smarterm PC Board (Continental Instrument CICP1400PCB).....	2,380.96	77.82
28 16 11 00-0162 EA Smarterm Memory Board - 256K (Continental Instrument CICP1400MB256-1).....	949.57	77.82
Note: Up to 10,000 cardholders.		
28 16 11 00-0163 EA Smarterm Memory Board - 2MB (Continental Instrument CICP1400MB2-1).....	1,334.04	77.82
Note: Up to 50,000 cardholders.		
28 16 11 00-0164 EA Smarterm Relay Expander Board (Continental Instrument CICP1400RB).....	1,045.94	77.82
Note: 16 Output relays, 8 alarm inputs.		
28 16 11 00-0165 EA Smarterm Alarm Expander Board (Continental Instrument CICP1400RB).....	1,045.94	77.82
Note: (Supervised) 16 alarm inputs.		
28 16 11 00-0166 Superterm-4 Controller (28 16 11 00-0147)		
28 16 11 00-0167 EA Superterm-4 - Four Reader Processing Panel (Continental Instrument CICP1400UL).....	2,923.64	155.64
Note: 20,000 card capacity, 12 supervised alarm inputs, tamper alarm, and 9 relay outputs. Complete in a painted steel enclosure with 7 AH battery standby for system operation.		
28 16 11 00-0168 EA Superterm-4 PC Board (Continental Instrument CICP1400ULPCB).....	2,341.52	77.82
28 16 11 00-0169 Superterm-8 Controller (28 16 11 00-0147)		
28 16 11 00-0170 EA Superterm-8 - Eight Reader Processing Panel (Continental Instrument CICP1800).....	3,929.66	259.39
Note: Up to 20,000 card capacity, 24 supervised alarm inputs, tamper alarm, and 17 relay outputs. Complete in a steel enclosure including 7 AH battery standby for memory and system operation.		
28 16 11 00-0171 EA Superterm-8 - Eight Reader Processing Panel, Expanded Power (Continental Instrument CICP1800EXP).....	4,250.06	259.39
Note: With expanded power supply. (required if more than 1 relay expander board is used.) Up to 20,000 card capacity, 24 supervised alarm inputs, tamper alarm, and 17 relay outputs. Complete in a steel enclosure including 7 AH battery standby for memory and system operation.		
28 16 11 00-0172 EA Superterm-8 PC Board (Continental Instrument CICP1800PCB).....	3,140.02	77.82
28 16 11 00-0173 Turbo Superterm-4 Controller (28 16 11 00-0147)		
28 16 11 00-0174 EA Turbo Superterm-4 - Four Reader Processing Panel (Continental Instrument CICP1400ULT).....	2,923.64	155.64
Note: 20,000 Card capacity, 12 supervised alarm inputs, tamper alarm, and 9 relay outputs. Complete in a painted steel enclosure with 7 AH battery standby for system operation.		
28 16 11 00-0175 EA Turbo Superterm-4 PC Board (Continental Instrument CICP1400ULTPCB).....	2,341.52	77.82
28 16 11 00-0176 Turbo Superterm-8 Controller (28 16 11 00-0147)		
28 16 11 00-0177 EA Turbo Superterm-8 - Eight Reader Processing Panel (Continental Instrument CICP1800T).....	3,929.66	259.39
Note: For use with CA3000 V2.0.25 and above. Up to 40,000 card capacity, 24 supervised alarm inputs, tamper alarm, and 17 relay outputs. Complete in a steel enclosure including a 7 AH battery standby for memory and system operation.		
28 16 11 00-0178 EA Turbo Superterm-8 -Eight Reader Processing Panel, Expanded Power (Continental Instrument CICP1800TEXP).....	4,250.06	259.39
Note: Required if more than one relay expander board is used. Up to 40,000 card capacity, 24 supervised alarm inputs, tamper alarm, and 17 relay outputs. Complete in a steel enclosure including a 7 AH battery standby for memory and system operation.		
28 16 11 00-0179 EA Turbo Superterm-8 PC Board (Continental Instrument CICP1800TPCB).....	3,140.02	77.82
28 16 11 00-0180 EA Superterm Memory Board - 2MB (Continental Instrument CICP1800MB2).....	1,334.04	77.82
Note: Up to 140,000 cardholders.		
28 16 11 00-0181 EA Turbo/Superterm-8 Memory Board - 2MB (Continental Instrument CICP1800MB2X2).....	1,128.98	77.82
Note: Up to 140,000 cardholders.		
28 16 11 00-0182 EA Turbo Superterm-8 Relay Expander Board (Continental Instrument CICP1800RB).....	1,046.98	77.82
Note: 16 Output relays, 8 alarm inputs.		
28 16 11 00-0183 EA Turbo Superterm-8 Alarm Expander Board (Continental Instrument CICP1800RB).....	1,046.98	77.82
Note: (Supervised) 16 Alarm inputs.		
28 16 11 00-0184 EA Expanded Power Supply For Superterm Or Turbo Superterm (Continental Instrument CICPEXPWS).....	410.97	
28 16 11 00-0185 Access Control Bundled System (28 16 11)		
28 16 11 00-0186 EA CA 3000 Bundled System, Supports 25 Users (Continental Instrument CA3B250P4O3V0R0).....	20,665.94	
Note: System includes PC, monitor, keyboard, mouse, OS, Card Access 3000 file server software, MS SQL 2000, 1 SQL host license, and security key.		
28 16 11 00-0187 Magnetic Locks (28 16 11)		
Note: Excludes access controls.		
28 16 11 00-0188 Magnetic Door Locks (28 16 11 00-0187)		
28 16 11 00-0189 300 LB Magnetic Door Locks (28 16 11 00-0188)		
28 16 11 00-0190 EA Single Door, Surface Mount, 300 LB Magnetic Door Lock.....	386.02	103.76
28 16 11 00-0191 600 LB Magnetic Door Locks (28 16 11 00-0188)		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 16 11 00-0192 EA Single Door, Surface Mount, 600 LB Magnetic Door Lock..... <i>For LED Status Indicator And Signal Relay, Add</i> <i>For LED Status Indicator, Signal Relay And Built-In Delay Timer, Add</i> <i>For Mortise Mount, Deduct</i>	509.77 37.78 75.56 -60.45	103.76
28 16 11 00-0193 EA Dual Doors, Surface Mount, 600 LB Magnetic Door Lock <i>For LED Status Indicator And Signal Relay, Add</i> <i>For LED Status Indicator, Signal Relay And Built-In Delay Timer, Add</i>	713.02 63.19 126.38	103.76
28 16 11 00-0194 1,200 LB Magnetic Door Locks <small>(28 16 11 00-0186)</small>		
28 16 11 00-0195 EA Single Door, Surface Mount, 1,200 LB Magnetic Door Lock..... <i>For LED Status Indicator And Signal Relay, Add</i> <i>For LED Status Indicator, Signal Relay And Built-In Delay Timer, Add</i>	528.52 73.83 96.30	103.76
28 16 11 00-0196 EA Dual Doors, Surface Mount, 1,200 LB Magnetic Door Lock <i>For LED Status Indicator And Signal Relay, Add</i> <i>For LED Status Indicator, Signal Relay And Built-In Delay Timer, Add</i>	753.52 125.58 163.80	103.76
28 16 11 00-0197 2,000 LB Shear Lock, Magnetic And Mechanical Locks <small>(28 16 11 00-0188)</small> Note: Includes LED status indicator and built-in signal relay.		
28 16 11 00-0198 EA Single Door, Mortise Mount, 2,000 LB Shear Lock, Magnetic And Mechanical Door Lock.....	548.77	103.76
28 16 11 00-0199 Magnetic Gate Locks <small>(28 16 11 00-0187)</small>		
28 16 11 00-0200 600 LB Magnetic Gate Locks <small>(28 16 11 00-0199)</small>		
28 16 11 00-0201 EA 600 LB Magnetic Gate Lock.....	435.52	103.76
28 16 11 00-0202 1,200 LB Magnetic Gate Locks <small>(28 16 11 00-0199)</small>		
28 16 11 00-0203 EA 1,200 LB Magnetic Gate Lock..... <i>For LED Status Indicator And Signal Relay, Add</i> <i>For LED Status Indicator, Signal Relay And Built-In Delay Timer, Add</i> <i>For Mortise Mount, Deduct</i>	503.77 37.03 74.06 -59.25	103.76
28 16 11 00-0204 Magnetic Lock Power Supply And Chargers <small>(28 16 11 00-0187)</small> Note: Includes lockable metal enclosure, batteries, battery charger and electronically regulated outputs.		
28 16 11 00-0205 EA 12/24 Volt DC At 1 Amp, Magnetic Lock Backup Power Supply And Charger.....	348.20	103.76
28 16 11 00-0206 EA 12/24 Volt DC At 2-1/2 Amp, Magnetic Lock Backup Power Supply And Charger	416.20	103.76
28 16 11 00-0207 EA 12 Volt DC At 4 Amp And 24 Volt DC At 3 Amp, Magnetic Lock Backup Power Supply And Charger	456.20	103.76
28 16 11 00-0208 EA 12/24 Volt DC At 6 Amp, Magnetic Lock Backup Power Supply And Charger.....	548.20	103.76
28 16 11 00-0209 Master Door Buzzer Stations <small>(28 16 11)</small>		
28 16 11 00-0210 Master Stations <small>(28 16 11 00-0209)</small>		
28 16 11 00-0211 EA Master Stations, 5 Station Intercommunication Equipment	721.44	161.86
28 16 11 00-0212 EA Master Stations, 10 Station Intercommunication Equipment	1,138.79	313.35
28 16 11 00-0213 EA Master Station, Desk Style Remote Intercommunication Equipment.....	318.86	80.93
28 16 11 00-0214 EA Master Station, Flush Wall Remote Intercommunication Equipment	432.85	134.89
28 16 11 00-0215 EA Sound System Outlet, Protector	125.30	52.81
28 16 11 00-0216 EA Sound System Microphone Outlet.....	231.47	108.11
28 16 11 00-0217 EA Sound System Speaker Ceiling Or Wall	153.71	52.81
28 16 11 00-0218 EA Sound System Monitor Panel	412.93	108.11
28 16 11 00-0219 EA Sound System Volume Control.....	138.40	52.81
28 16 11 00-0220 EA Sound System Amplifier 250 W	1,857.42	432.36
28 16 11 00-0221 EA Sound System Cabinet.....	1,225.39	432.36
28 16 11 00-0222 Master Door Stations <small>(28 16 11 00-0209)</small>		
28 16 11 00-0223 EA Master Door Stations, Button Buzzer Type, 25 Station..... <i>For Intercom Type Master Door Station, Add</i>	1,917.13 109.16	
28 16 11 00-0224 EA Master Door Stations, Button Buzzer Type, 50 Station..... <i>For Intercom Type Master Door Station, Add</i>	3,183.42 176.83	
28 16 11 00-0225 EA Master Door Stations, Button Buzzer Type, 75 Station..... <i>For Intercom Type Master Door Station, Add</i>	4,397.10 229.22	
28 16 11 00-0226 EA Master Door Stations, Button Buzzer Type, 100 Station..... <i>For Intercom Type Master Door Station, Add</i>	5,012.49 268.52	
28 16 11 00-0227 EA Master Door Stations, Button Buzzer Type, 150 Station..... <i>For Intercom Type Master Door Station, Add</i>	5,941.96 392.96	
28 16 11 00-0228 EA Master Door Stations, Button Buzzer Type, 200 Station..... <i>For Intercom Type Master Door Station, Add</i>	6,876.21 506.48	
28 16 11 00-0229 EA Master Door Stations, Button Buzzer Type, 250 Station..... <i>For Intercom Type Master Door Station, Add</i>	8,619.77 654.93	
28 16 11 00-0230 EA Master Door Stations, Button Buzzer Type, 300 Station..... <i>For Intercom Type Master Door Station, Add</i>	10,363.82 750.99	
28 16 11 00-0231 EA Transformer	132.14	
28 16 11 00-0232 EA Door Opener.....	196.36	
28 16 11 00-0233 EA Buzzer With Door Release And Plate	248.27	
28 16 11 00-0234 EA Amplifier For Intercom Type Unit	355.46	
28 16 11 00-0235 EA Speaker With Door Release	155.79	

28 Electronic Safety And Security**28 10 Access Control****28 16 Access Control Interfaces**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 18 Security Access Detection Equipment <small>(28 10)</small>		
28 18 11 Security Access Metal Detectors <small>(28 18)</small>		
28 18 11 00-0001 EA Hand-Held Metal Detector	224.14	25.94
28 18 11 00-0002 EA Walk-Through Metal Detector, Complete Unit	5,178.95	415.03
28 20 Video Surveillance <small>(28)</small>		
Note: Includes testing of new devices and certification.		
28 21 Surveillance Cameras <small>(28 20)</small>		
28 21 00 00-0001 Closed Circuit Television And Surveillance Systems (Pelco) <small>(28 21)</small>		
Note: Includes programming of equipment, testing of new devices and certification.		
28 21 00 00-0002 Cameras And Accessories <small>(28 21 00 00-0001)</small>		
28 21 00 00-0003 Cameras <small>(28 21 00 00-0002)</small>		
28 21 00 00-0004 1/3" Format Cameras <small>(28 21 00 00-0003)</small>		
28 21 00 00-0005 High Resolution Color, 1/3" Format Cameras <small>(28 21 00 00-0004)</small>		
28 21 00 00-0006 EA Extended Dynamic Range, High Resolution Color, 1/3" Format Camera (Pelco CC3701H-2)	351.89	25.97
28 21 00 00-0007 EA Low Light, Digital Slow Shutter, High Resolution Color, 1/3" Format Camera (Pelco CC3751H-2)	467.43	25.97
28 21 00 00-0008 Compact, 1/3" Format Cameras <small>(28 21 00 00-0003)</small>		
28 21 00 00-0009 High Resolution Color, Compact, 1/3" Format Cameras <small>(28 21 00 00-0008)</small>		
28 21 00 00-0010 EA Wide Dynamic Range, High Resolution Day/Night, Compact, 1/3" Format Camera (Pelco CCC1390H)	557.04	25.97
28 21 00 00-0011 EA High Resolution Day/Night, Compact, 1/3" Format Camera (Pelco C10DN-6)	458.54	25.97
28 21 00 00-0012 Day/Night, Compact, 1/3" Format Cameras <small>(28 21 00 00-0008)</small>		
28 21 00 00-0013 EA High Resolution Color, Compact, 1/3" Format Camera (Pelco C10CH-6)	274.13	25.97
28 21 00 00-0014 Camerapaks <small>(28 21 00 00-0002)</small>		
Note: Includes camera and lens.		
28 21 00 00-0015 Camerapaks <small>(28 21 00 00-0014)</small>		
28 21 00 00-0016 High Resolution Color, Camerapaks <small>(28 21 00 00-0015)</small>		
28 21 00 00-0017 Fixed Focus, High Resolution Color, Camerapaks <small>(28 21 00 00-0016)</small>		
28 21 00 00-0018 Manual Iris, Fixed Focus, High Resolution Color, Camerapaks <small>(28 21 00 00-0017)</small>		
28 21 00 00-0019 EA 2.3 mm, Manual Iris, Fixed Focus, High Resolution Color, Camerapak (Pelco C10CH-6F2.3)	354.11	25.97
28 21 00 00-0020 EA 2.8 mm, Manual Iris, Fixed Focus, High Resolution Color, Camerapak (Pelco C10CH-6F2.8)	333.38	25.97
28 21 00 00-0021 EA 4 mm, Manual Iris, Fixed Focus, High Resolution Color, Camerapak (Pelco C10CH-6F4)	323.75	25.97
28 21 00 00-0022 EA 8 mm, Manual Iris, Fixed Focus, High Resolution Color, Camerapak (Pelco C10CH-6F8)	321.53	25.97
28 21 00 00-0023 Direct Drive Auto Iris, Fixed Focus, High Resolution Color, Camerapaks <small>(28 21 00 00-0017)</small>		
28 21 00 00-0024 EA 2.3 mm, Direct Drive Auto Iris, Fixed Focus, High Resolution Color, Camerapak (Pelco C10CH-6F2.3A)	385.22	25.97
28 21 00 00-0025 EA 2.8 mm, Direct Drive Auto Iris, Fixed Focus, High Resolution Color, Camerapak (Pelco C10CH-6F2.8A)	354.11	25.97
28 21 00 00-0026 EA 4 mm, Direct Drive Auto Iris, Fixed Focus, High Resolution Color, Camerapak (Pelco C10CH-6F4A)	346.71	25.97
28 21 00 00-0027 EA 8 mm, Direct Drive Auto Iris, Fixed Focus, High Resolution Color, Camerapak (Pelco C10CH-6F8A)	340.78	25.97
28 21 00 00-0028 Varifocal, High Resolution Color, Camerapaks <small>(28 21 00 00-0016)</small>		
28 21 00 00-0029 Manual Iris, Varifocal, High Resolution Color, Camerapaks <small>(28 21 00 00-0028)</small>		
28 21 00 00-0030 EA 1-3 mm, Manual Iris, Varifocal, High Resolution Color, Camerapak (Pelco C10CH-6V1)	415.58	25.97
28 21 00 00-0031 EA 2.5-6 mm, Manual Iris, Varifocal, High Resolution Color, Camerapak (Pelco C10CH-6V2)	375.59	25.97
28 21 00 00-0032 EA 2.8-12 mm, Manual Iris, Varifocal, High Resolution Color, Camerapak (Pelco C10CH-6V21)	343.01	25.97
28 21 00 00-0033 EA 3-8 mm, Manual Iris, Varifocal, High Resolution Color, Camerapak (Pelco C10CH-6V3)	329.67	25.97
28 21 00 00-0034 EA 5-40 mm, Manual Iris, Varifocal, High Resolution Color, Camerapak (Pelco C10CH-6V5)	379.30	25.97
28 21 00 00-0035 Direct Drive Auto Iris, Varifocal, High Resolution Color, Camerapaks <small>(28 21 00 00-0029)</small>		
28 21 00 00-0036 EA 1-3 mm, Direct Drive Auto Iris, Varifocal, High Resolution Color, Camerapak (Pelco C10CH-6V1A)	448.17	25.97
28 21 00 00-0037 EA 2.5-6 mm, Direct Drive Auto Iris, Varifocal, High Resolution Color, Camerapak (Pelco C10CH-6V2A)	420.77	25.97
28 21 00 00-0038 EA 2.8-12 mm, Direct Drive Auto Iris, Varifocal, High Resolution Color, Camerapak (Pelco C10CH-6V21A)	374.11	25.97
28 21 00 00-0039 EA 3-8 mm, Direct Drive Auto Iris, Varifocal, High Resolution Color, Camerapak (Pelco C10CH-6V3A)	334.86	25.97
28 21 00 00-0040 EA 5-40 mm, Direct Drive Auto Iris, Varifocal, High Resolution Color, Camerapak (Pelco C10CH-6V5A)	394.85	25.97
28 21 00 00-0041 EA 5-50 mm, Direct Drive Auto Iris, Varifocal, High Resolution Color, Camerapak (Pelco C10CH-6V50A)	445.21	25.97
28 21 00 00-0042 EA 5.5-82.5 mm, Direct Drive Auto Iris, Varifocal, High Resolution Color, Camerapak (Pelco C10CH-6V55A)	509.64	25.97



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 21 00 00-0043			Infrared Corrected, Direct Drive Auto Iris, Varifocal, High Resolution Color, Camerapaks <small>(28 21 00 00-0028)</small>		
28 21 00 00-0044	EA		3-8.5 mm, Infrared Corrected, Direct Drive Auto Iris, Varifocal, High Resolution Color, Camerapak (Pelco C10CH-6R3A)	351.89	25.97
28 21 00 00-0045	EA		7.5-50 mm, Infrared Corrected, Direct Drive Auto Iris, Varifocal, High Resolution Color, Camerapak (Pelco C10CH-6R75A)	419.29	25.97
28 21 00 00-0046			High Resolution Day/Night, Camerapaks <small>(28 21 00 00-0015)</small>		
28 21 00 00-0047			Varifocal, High Resolution Day/Night, Camerapaks <small>(28 21 00 00-0046)</small>		
28 21 00 00-0048			Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Camerapaks <small>(28 21 00 00-0047)</small>		
28 21 00 00-0049	EA		2.5-6 mm, Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Camerapak (Pelco C1390H-6V2A)	703.68	25.97
28 21 00 00-0050	EA		2.8-12 mm, Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Camerapak (Pelco C1390H-6V21A)	657.02	25.97
28 21 00 00-0051	EA		3-8 mm, Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Camerapak (Pelco C1390H-6V3A)	617.77	25.97
28 21 00 00-0052	EA		5-40 mm, Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Camerapak (Pelco C1390H-6V5A)	677.76	25.97
28 21 00 00-0053	EA		5-50 mm, Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Camerapak (Pelco C1390H-6V50A)	728.12	25.97
28 21 00 00-0054	EA		5.5-82.5 mm, Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Camerapak (Pelco C1390H-6V55A)	791.81	25.97
28 21 00 00-0055			Infrared Corrected, Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Camerapaks <small>(28 21 00 00-0047)</small>		
28 21 00 00-0056	EA		3-8.5 mm, Infrared Corrected, Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Camerapak (Pelco C1390H-6R3A)	634.80	25.97
28 21 00 00-0057	EA		7.5-50 mm, Infrared Corrected, Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Camerapak (Pelco C1390H-6R75A)	702.20	25.97
28 21 00 00-0058			Compact Camerapaks <small>(28 21 00 00-0014)</small>		
28 21 00 00-0059			High Resolution Color, Compact Camerapaks <small>(28 21 00 00-0058)</small>		
28 21 00 00-0060			DSS, High Resolution Color, Compact Camerapaks <small>(28 21 00 00-0059)</small>		
28 21 00 00-0061			Fixed Focus, DSS, High Resolution Color, Camerapaks <small>(28 21 00 00-0060)</small>		
28 21 00 00-0062			Manual Iris, Fixed Focus, DSS, High Resolution Color, Camerapaks <small>(28 21 00 00-0061)</small>		
28 21 00 00-0063	EA		2.3 mm, Manual Iris, Fixed Focus, DSS, High Resolution Color, Camerapak (Pelco C3751H-2F2.3)	547.41	25.97
28 21 00 00-0064	EA		2.8 mm, Manual Iris, Fixed Focus, DSS, High Resolution Color, Camerapak (Pelco C3751H-2F2.8)	526.67	25.97
28 21 00 00-0065	EA		4 mm, Manual Iris, Fixed Focus, DSS, High Resolution Color, Camerapak (Pelco C3751H-2F4)	516.31	25.97
28 21 00 00-0066	EA		8 mm, Manual Iris, Fixed Focus, DSS, High Resolution Color, Camerapak (Pelco C3751H-2F8)	514.08	25.97
28 21 00 00-0067			Direct Drive Auto Iris, Fixed Focus, DSS, High Resolution Color, Camerapaks <small>(28 21 00 00-0061)</small>		
28 21 00 00-0068	EA		2.3 mm, Direct Drive Auto Iris, Fixed Focus, DSS, High Resolution Color, Camerapak (Pelco C3751H-2F2.3A)	577.78	25.97
28 21 00 00-0069	EA		2.8 mm, Direct Drive Auto Iris, Fixed Focus, DSS, High Resolution Color, Camerapak (Pelco C3751H-2F2.8A)	547.41	25.97
28 21 00 00-0070	EA		4 mm, Direct Drive Auto Iris, Fixed Focus, DSS, High Resolution Color, Camerapak (Pelco C3751H-2F4A)	540.01	25.97
28 21 00 00-0071	EA		8 mm, Direct Drive Auto Iris, Fixed Focus, DSS, High Resolution Color, Camerapak (Pelco C3751H-2F8A)	534.08	25.97
28 21 00 00-0072			Varifocal, DSS, High Resolution Color, Camerapaks <small>(28 21 00 00-0060)</small>		
28 21 00 00-0073			Manual Iris, Varifocal, DSS, High Resolution Color, Camerapaks <small>(28 21 00 00-0072)</small>		
28 21 00 00-0074	EA		1-3 mm, Manual Iris, Varifocal, DSS, High Resolution Color, Camerapak (Pelco C3751H-2V1)	608.88	25.97
28 21 00 00-0075	EA		2.5-6 mm, Manual Iris, Varifocal, DSS, High Resolution Color, Camerapak (Pelco C3751H-2V2)	568.15	25.97
28 21 00 00-0076	EA		2.8-12 mm, Manual Iris, Varifocal, DSS, High Resolution Color, Camerapak (Pelco C3751H-2V21)	536.30	25.97
28 21 00 00-0077	EA		3-8 mm, Manual Iris, Varifocal, DSS, High Resolution Color, Camerapak (Pelco C3751H-2V3)	522.97	25.97
28 21 00 00-0078	EA		5-40 mm, Manual Iris, Varifocal, DSS, High Resolution Color, Camerapak (Pelco C3751H-2V5)	571.85	25.97
28 21 00 00-0079	EA		5-50 mm, Manual Iris, Varifocal, DSS, High Resolution Color, Camerapak (Pelco C3751H-2V50)	603.70	25.97
28 21 00 00-0080	EA		5.5-82.5 mm, Manual Iris, Varifocal, DSS, High Resolution Color, Camerapak (Pelco C3751H-2V55)	679.24	25.97
28 21 00 00-0081			Direct Drive Auto Iris, Varifocal, DSS, High Resolution Color, Camerapaks <small>(28 21 00 00-0072)</small>		
28 21 00 00-0082	EA		1-3 mm, Direct Drive Auto Iris, Varifocal, DSS, High Resolution Color, Camerapak (Pelco C3751H-2V1A)	640.73	25.97
28 21 00 00-0083	EA		2.5-6 mm, Direct Drive Auto Iris, Varifocal, DSS, High Resolution Color, Camerapak (Pelco C3751H-2V2A)	614.07	25.97
28 21 00 00-0084	EA		2.8-12 mm, Direct Drive Auto Iris, Varifocal, DSS, High Resolution Color, Camerapak (Pelco C3751H-2V21A)	567.41	25.97
28 21 00 00-0085	EA		3-8 mm, Direct Drive Auto Iris, Varifocal, DSS, High Resolution Color, Camerapak (Pelco C3751H-2V3A)	527.42	25.97
28 21 00 00-0086	EA		5-40 mm, Direct Drive Auto Iris, Varifocal, DSS, High Resolution Color, Camerapak (Pelco C3751H-2V5A)	588.14	25.97
28 21 00 00-0087	EA		5-50 mm, Direct Drive Auto Iris, Varifocal, DSS, High Resolution Color, Camerapak (Pelco C3751H-2V50A)	638.51	25.97
28 21 00 00-0088	EA		5.5-82.5 mm, Direct Drive Auto Iris, Varifocal, DSS, High Resolution Color, Camerapak (Pelco C3751H-2V55A)	702.20	25.97
28 21 00 00-0089			Infrared Corrected, Direct Drive Auto Iris, Varifocal, DSS, High Resolution Color, Camerapaks <small>(28 21 00 00-0072)</small>		
28 21 00 00-0090	EA		3-8.5 mm, Infrared Corrected, Direct Drive Auto Iris, Varifocal, DSS, High Resolution Color, Camerapak (Pelco C3751H-2R3A)	545.19	25.97

28 Electronic Safety And Security**28 20 Video Surveillance****28 21 Surveillance Cameras**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 21 00 00-0091 EA 7.5-50 mm, Infrared Corrected, Direct Drive Auto Iris, Varifocal, DSS, High Resolution Color, Camerapak (Pelco C3751H-2R75A).....	612.58	25.97
28 21 00 00-0092 EDR, High Resolution Color, Compact Camerapaks (28 21 00 00-0059)		
28 21 00 00-0093 Fixed Focus, EDR, High Resolution Color, Camerapaks (28 21 00 00-0092)		
28 21 00 00-0094 Manual Iris, Fixed Focus, EDR, High Resolution Color, Camerapaks (28 21 00 00-0093)		
28 21 00 00-0095 EA 2.3 mm, Manual Iris, Fixed Focus, EDR, High Resolution Color, Camerapak (Pelco C3701H-2F2.3).....	547.41	25.97
28 21 00 00-0096 EA 2.8 mm, Manual Iris, Fixed Focus, EDR, High Resolution Color, Camerapak (Pelco C3701H-2F2.8).....	411.14	25.97
28 21 00 00-0097 EA 4 mm, Manual Iris, Fixed Focus, EDR, High Resolution Color, Camerapak (Pelco C3701H-2F4).....	400.77	25.97
28 21 00 00-0098 EA 8 mm, Manual Iris, Fixed Focus, EDR, High Resolution Color, Camerapak (Pelco C3701H-2F8).....	398.55	25.97
28 21 00 00-0099 Direct Drive Auto Iris, Fixed Focus, EDR, High Resolution Color, Camerapaks (28 21 00 00-0099)		
28 21 00 00-0100 EA 2.3 mm, Direct Drive Auto Iris, Fixed Focus, EDR, High Resolution Color, Camerapak (Pelco C3701H-2F2.3A).....	462.24	25.97
28 21 00 00-0101 EA 2.8 mm, Direct Drive Auto Iris, Fixed Focus, EDR, High Resolution Color, Camerapak (Pelco C3701H-2F2.8A).....	431.88	25.97
28 21 00 00-0102 EA 4 mm, Direct Drive Auto Iris, Fixed Focus, EDR, High Resolution Color, Camerapak (Pelco C3701H-2F4A).....	424.47	25.97
28 21 00 00-0103 EA 8 mm, Direct Drive Auto Iris, Fixed Focus, EDR, High Resolution Color, Camerapak (Pelco C3701H-2F8A).....	424.47	25.97
28 21 00 00-0104 Varifocal, EDR, High Resolution Color, Camerapaks (28 21 00 00-0092)		
28 21 00 00-0105 Manual Iris, Varifocal, EDR, High Resolution Color, Camerapaks (28 21 00 00-0104)		
28 21 00 00-0106 EA 1-3 mm, Manual Iris, Varifocal, EDR, High Resolution Color, Camerapak (Pelco C3701H-2V1).....	493.35	25.97
28 21 00 00-0107 EA 2.5-6 mm, Manual Iris, Varifocal, EDR, High Resolution Color, Camerapak (Pelco C3701H-2V2).....	452.61	25.97
28 21 00 00-0108 EA 2.8-12 mm, Manual Iris, Varifocal, EDR, High Resolution Color, Camerapak (Pelco C3701H-2V21).....	420.77	25.97
28 21 00 00-0109 EA 3-8 mm, Manual Iris, Varifocal, EDR, High Resolution Color, Camerapak (Pelco C3701H-2V3).....	407.44	25.97
28 21 00 00-0110 EA 5-40 mm, Manual Iris, Varifocal, EDR, High Resolution Color, Camerapak (Pelco C3701H-2V5).....	456.32	25.97
28 21 00 00-0111 EA 5-50 mm, Manual Iris, Varifocal, EDR, High Resolution Color, Camerapak (Pelco C3701H-2V50).....	488.16	25.97
28 21 00 00-0112 EA 5.5-82.5 mm, Manual Iris, Varifocal, EDR, High Resolution Color, Camerapak (Pelco C3701H-2V55).....	563.70	25.97
28 21 00 00-0113 Direct Drive Auto Iris, Varifocal, EDR, High Resolution Color, Camerapaks (28 21 00 00-0104)		
28 21 00 00-0114 EA 1-3 mm, Direct Drive Auto Iris, Varifocal, EDR, High Resolution Color, Camerapak (Pelco C3701H-2V1A).....	525.19	25.97
28 21 00 00-0115 EA 2.5-6 mm, Direct Drive Auto Iris, Varifocal, EDR, High Resolution Color, Camerapak (Pelco C3701H-2V2A).....	498.53	25.97
28 21 00 00-0116 EA 2.8-12 mm, Direct Drive Auto Iris, Varifocal, EDR, High Resolution Color, Camerapak (Pelco C3701H-2V21A).....	451.13	25.97
28 21 00 00-0117 EA 3-8 mm, Direct Drive Auto Iris, Varifocal, EDR, High Resolution Color, Camerapak (Pelco C3701H-2V3A).....	411.88	25.97
28 21 00 00-0118 EA 5-40 mm, Direct Drive Auto Iris, Varifocal, EDR, High Resolution Color, Camerapak (Pelco C3701H-2V5A).....	472.61	25.97
28 21 00 00-0119 EA 5-50 mm, Direct Drive Auto Iris, Varifocal, EDR, High Resolution Color, Camerapak (Pelco C3701H-2V50A).....	522.97	25.97
28 21 00 00-0120 EA 5.5-82.5 mm, Direct Drive Auto Iris, Varifocal, EDR, High Resolution Color, Camerapak (Pelco C3701H-2V55A).....	586.66	25.97
28 21 00 00-0121 Infrared Corrected, Direct Drive Auto Iris, Varifocal, EDR, High Resolution Color, Camerapaks (28 21 00 00-0104)		
28 21 00 00-0122 EA 3-8.5 mm, Infrared Corrected, Direct Drive Auto Iris, Varifocal, EDR, High Resolution Color, Camerapak (Pelco C3701H-2R3A).....	429.66	25.97
28 21 00 00-0123 EA 7.5-50 mm, Infrared Corrected, Direct Drive Auto Iris, Varifocal, EDR, High Resolution Color, Camerapak (Pelco C3701H-2R75A).....	497.05	25.97
28 21 00 00-0124 High Resolution Day/Night, Compact Camerapaks (28 21 00 00-0058)		
28 21 00 00-0125 Fixed Focus, High Resolution Day/Night, Compact Camerapaks (28 21 00 00-0124)		
28 21 00 00-0126 Manual Iris, Fixed Focus, High Resolution Day/Night, Compact Camerapaks (28 21 00 00-0125)		
28 21 00 00-0127 EA 8 mm, Manual Iris, Fixed Focus, High Resolution Day/Night, Compact Camerapak (Pelco C10DN-6F8).....	505.94	25.97
28 21 00 00-0128 DC-Drive Auto Iris, Fixed Focus, High Resolution Day/Night, Compact Camerapaks (28 21 00 00-0125)		
28 21 00 00-0129 EA 2.3 mm, Direct Drive Auto Iris, Fixed Focus, High Resolution Day/Night, Compact Camerapak (Pelco C10DN-6F2.3A).....	569.63	25.97
28 21 00 00-0130 EA 2.8 mm, Direct Drive Auto Iris, Fixed Focus, High Resolution Day/Night, Compact Camerapak (Pelco C10DN-6F2.8A).....	538.52	25.97
28 21 00 00-0131 Varifocal, High Resolution Day/Night, Compact Camerapaks (28 21 00 00-0124)		
28 21 00 00-0132 Manual Iris, Varifocal, High Resolution Day/Night, Compact Camerapaks (28 21 00 00-0131)		
28 21 00 00-0133 EA 2.8-12 mm, Manual Iris, Varifocal, High Resolution Day/Night, Compact Camerapak (Pelco C10DN-6V21).....	527.42	25.97
28 21 00 00-0134 EA 3-8 mm, Manual Iris, Varifocal, High Resolution Day/Night, Compact Camerapak (Pelco C10DN-6V3).....	514.08	25.97
28 21 00 00-0135 EA 5-50 mm, Manual Iris, Varifocal, High Resolution Day/Night, Compact Camerapak (Pelco C10DN-6V50).....	595.55	25.97



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 21 00 00-0136				Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Compact Camerapaks <small>(28 21 00 00-0131)</small>		
28 21 00 00-0137	EA			2.5-6 mm, Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Compact Camerapak (Pelco C10DN-6V2A)	605.18	25.97
28 21 00 00-0138	EA			2.8-12 mm, Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Compact Camerapak (Pelco C10DN-6V21A)	558.52	25.97
28 21 00 00-0139	EA			3-8 mm, Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Compact Camerapak (Pelco C10DN-6V3A)	519.27	25.97
28 21 00 00-0140	EA			5-40 mm, Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Compact Camerapak (Pelco C10DN-6V5A)	579.26	25.97
28 21 00 00-0141	EA			5-50 mm, Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Compact Camerapak (Pelco C10DN-6V50A)	629.62	25.97
28 21 00 00-0142	EA			5.5-82.5 mm, Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Compact Camerapak (Pelco C10DN-6V55A)	694.05	25.97
28 21 00 00-0143				Infrared Corrected, Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Compact Camerapaks <small>(28 21 00 00-0131)</small>		
28 21 00 00-0144	EA			3-8.5 mm, Infrared Corrected, Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Compact Camerapak (Pelco C10DN-6R3A)	536.30	25.97
28 21 00 00-0145	EA			7.5-50 mm, Infrared Corrected, Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Compact Camerapak (Pelco C10DN-6R75A)	603.70	25.97
28 21 00 00-0146				Camera Systems <small>(28 21 00 00-0002)</small>		
28 21 00 00-0147				Camera Dome Systems <small>(28 21 00 00-0146)</small>		
28 21 00 00-0148				Spectra®, Pan/Tilt Camera Dome Systems <small>(28 21 00 00-0147)</small>		
28 21 00 00-0149				Spectra®, Pan/Tilt Camera Dome Systems <small>(28 21 00 00-0148)</small>		
				Note: Includes dome drive, camera, lens, back box, clear or smoked lower dome and mounting hardware.		
28 21 00 00-0150				Spectra® IV, Pan/Tilt Camera Dome Systems <small>(28 21 00 00-0149)</small>		
28 21 00 00-0151				Black And White, Spectra® IV, Pan/Tilt Camera Dome Systems <small>(28 21 00 00-0150)</small>		
28 21 00 00-0152	EA			22X, Surface Mount, Black And White, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4M22-SMB)	2,257.99	155.84
28 21 00 00-0153	EA			22X, In-Ceiling Mount, Black And White, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4M22-F)	2,561.63	155.84
28 21 00 00-0154	EA			22X, Pendant Mount, Black And White, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4M22-PB)	2,697.90	155.84
28 21 00 00-0155	EA			22X, Environmental Pendant Mount, Black And White, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4M22-PG-E)	3,716.97	155.84
28 21 00 00-0156				Color, Spectra® IV, Pan/Tilt Camera Dome Systems <small>(28 21 00 00-0150)</small>		
28 21 00 00-0157	EA			16X, Surface Mount, Color, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4TC-SMB)	1,913.61	155.84
28 21 00 00-0158	EA			16X, In-Ceiling Mount, Color, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4TC-F)	2,066.91	155.84
28 21 00 00-0159	EA			16X, Pendant Mount, Color, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4TC-PB)	2,203.92	155.84
28 21 00 00-0160	EA			16X, Environmental In-Ceiling Mount, Color, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4TC-F-E)	2,282.43	155.84
28 21 00 00-0161	EA			16X, Environmental Pendant Mount, Color, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4TC-PG-E)	2,282.43	155.84
28 21 00 00-0162	EA			22X, Surface Mount, Color, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4C22-SMB)	2,388.33	155.84
28 21 00 00-0163	EA			22X, In-Ceiling Mount, Color, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4C22-F)	2,692.72	155.84
28 21 00 00-0164	EA			22X, Pendant Mount, Color, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4C22-PB)	2,829.73	155.84
28 21 00 00-0165	EA			22X, Environmental In-Ceiling Mount, Color, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4C22-F-E)	2,908.23	155.84
28 21 00 00-0166	EA			22X, Environmental Pendant Mount, Color, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4C22-PG-E)	2,908.23	155.84
28 21 00 00-0167				Color/Black And White, Spectra® IV, Pan/Tilt Camera Dome Systems <small>(28 21 00 00-0150)</small>		
28 21 00 00-0168	EA			23X, Surface Mount, Color/Black And White, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4CBW-SMB)	2,768.26	155.84
28 21 00 00-0169	EA			23X, In-Ceiling Mount, Color/Black And White, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4CBW-F)	3,072.65	155.84
28 21 00 00-0170	EA			23X, Pendant Mount, Color/Black And White, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4CBW-PB)	3,209.66	155.84
28 21 00 00-0171	EA			23X, Environmental In-Ceiling Mount, Color/Black And White, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4CBW-F-E)	3,288.16	155.84
28 21 00 00-0172	EA			23X, Environmental Pendant Mount, Color/Black And White, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4CBW-PG-E)	3,288.16	155.84
28 21 00 00-0173				Day/Night, Spectra® IV, Pan/Tilt Camera Dome Systems <small>(28 21 00 00-0150)</small>		
28 21 00 00-0174	EA			18X, Surface Mount, Day/Night, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD418-SMB)	2,519.42	155.84
28 21 00 00-0175	EA			18X, In-Ceiling Mount, Day/Night, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD418-F)	2,673.46	155.84
28 21 00 00-0176	EA			18X, Pendant Mount, Day/Night, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD418-PB)	2,809.73	155.84
28 21 00 00-0177	EA			18X, Environmental In-Ceiling Mount, Day/Night, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD418-F-E)	2,888.24	155.84
28 21 00 00-0178	EA			18X, Environmental Pendant Mount, Day/Night, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD418-PG-E)	2,888.24	155.84
28 21 00 00-0179	EA			35X, Surface Mount, Day/Night, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD435-SMB)	3,017.84	155.84
28 21 00 00-0180	EA			35X, In-Ceiling Mount, Day/Night, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD435-F)	3,260.02	155.84
28 21 00 00-0181	EA			35X, Pendant Mount, Day/Night, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD435-PB)	3,396.29	155.84
28 21 00 00-0182	EA			35X, Environmental In-Ceiling Mount, Day/Night, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD435-F-E)	3,474.79	155.84
28 21 00 00-0183	EA			35X, Environmental Pendant Mount, Day/Night, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD435-PG-E)	3,474.79	155.84
28 21 00 00-0184				Heavy Duty Spectra® IV, Pan/Tilt Camera Dome Systems <small>(28 21 00 00-0149)</small>		

28 Electronic Safety And Security**28 20 Video Surveillance****28 21 Surveillance Cameras**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 21 00 00-0185			Color, Heavy Duty Spectra® IV, Pan/Tilt Camera Dome Systems (28 21 00 00-0184)		
28 21 00 00-0186	EA		16X, In-Ceiling Mount, Color, Heavy Duty Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4TC-HF).....	2,466.84	155.84
			<i>For Protective Lower Dome Cage, Add</i>	34.65	
28 21 00 00-0187	EA		16X, Pendant Mount, Color, Heavy Duty Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4TC-HP).....	2,598.66	155.84
			<i>For Protective Lower Dome Cage, Add</i>	34.65	
28 21 00 00-0188	EA		16X, Environmental Pendant Mount, Color, Heavy Duty Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4TC-HPE).....	2,703.83	155.84
			<i>For Protective Lower Dome Cage, Add</i>	34.65	
28 21 00 00-0189	EA		22X, In-Ceiling Mount, Color, Heavy Duty Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4C22-HF).....	3,046.73	155.84
			<i>For Protective Lower Dome Cage, Add</i>	34.65	
28 21 00 00-0190	EA		22X, Pendant Mount, Color, Heavy Duty Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4C22-HP).....	3,178.55	155.84
			<i>For Protective Lower Dome Cage, Add</i>	34.65	
28 21 00 00-0191	EA		22X, Environmental Pendant Mount, Color, Heavy Duty Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4C22-HPE).....	3,284.46	155.84
			<i>For Protective Lower Dome Cage, Add</i>	34.65	
28 21 00 00-0192			Day/Night, Heavy Duty Spectra® IV, Pan/Tilt Camera Dome Systems (28 21 00 00-0184)		
28 21 00 00-0193	EA		18X, In-Ceiling Mount, Day/Night, Heavy Duty Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD418-HF).....	3,072.65	155.84
			<i>For Protective Lower Dome Cage, Add</i>	34.65	
28 21 00 00-0194	EA		18X, Pendant Mount, Day/Night, Heavy Duty Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD418-HP).....	3,204.47	155.84
			<i>For Protective Lower Dome Cage, Add</i>	34.65	
28 21 00 00-0195	EA		18X, Environmental Pendant Mount, Day/Night, Heavy Duty Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD418-HPE).....	3,310.38	155.84
			<i>For Protective Lower Dome Cage, Add</i>	34.65	
28 21 00 00-0196	EA		35X, In-Ceiling Mount, Day/Night, Heavy Duty Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD435-HF).....	3,614.03	155.84
			<i>For Protective Lower Dome Cage, Add</i>	34.65	
28 21 00 00-0197	EA		35X, Pendant Mount, Day/Night, Heavy Duty Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD435-HP).....	3,745.11	155.84
			<i>For Protective Lower Dome Cage, Add</i>	34.65	
28 21 00 00-0198	EA		35X, Environmental Pendant Mount, Day/Night, Heavy Duty Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD435-HPE).....	3,851.02	155.84
			<i>For Protective Lower Dome Cage, Add</i>	34.65	
28 21 00 00-0199			Pressurized Spectra® IV, Pan/Tilt Camera Dome Systems (28 21 00 00-0149)		
28 21 00 00-0200			Day/Night, Pressurized Spectra® IV, Pan/Tilt Camera Dome Systems (28 21 00 00-0199)		
28 21 00 00-0201	EA		18X, Environmental Pendant Mount, Day/Night, Pressurized Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD418-PRE).....	4,045.05	155.84
28 21 00 00-0202	EA		35X, Environmental Pendant Mount, Day/Night, Pressurized Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD435-PRE).....	4,586.43	155.84
28 21 00 00-0203			Stainless Steel Spectra® IV, Pan/Tilt Camera Dome Systems (28 21 00 00-0149)		
28 21 00 00-0204			Black And White, Stainless Steel Spectra® IV, Pan/Tilt Camera Dome Systems (28 21 00 00-0203)		
28 21 00 00-0205	EA		22X, Environmental Pendant Mount, Black And White, Stainless Steel Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4M22-PSGE).....	3,525.15	155.84
28 21 00 00-0206			Color, Stainless Steel Spectra® IV, Pan/Tilt Camera Dome Systems (28 21 00 00-0203)		
28 21 00 00-0207	EA		16X, Environmental Pendant Mount, Color, Stainless Steel Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4TC-PSGE).....	3,076.35	155.84
28 21 00 00-0208	EA		22X, Environmental Pendant Mount, Color, Stainless Steel Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4C22-PSGE).....	3,656.98	155.84
28 21 00 00-0209			Color/Black And White, Stainless Steel Spectra® IV, Pan/Tilt Camera Dome Systems (28 21 00 00-0203)		
28 21 00 00-0210	EA		23X, Environmental Pendant Mount, Color/Black And White, Stainless Steel Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4CBW-PSGE).....	4,036.91	155.84
28 21 00 00-0211			Day/Night, Stainless Steel Spectra® IV, Pan/Tilt Camera Dome Systems (28 21 00 00-0203)		
28 21 00 00-0212	EA		18X, Environmental Pendant Mount, Day/Night, Stainless Steel Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD418-PSGE).....	3,682.90	155.84
28 21 00 00-0213	EA		35X, Environmental Pendant Mount, Day/Night, Stainless Steel Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD435-PSGE).....	4,223.54	155.84
28 21 00 00-0214			Miniature Spectra®, Mini Pan/Tilt Camera Dome Systems (28 21 00 00-0149)		
28 21 00 00-0215			Color, Miniature Spectra®, Mini Pan/Tilt Camera Dome Systems (28 21 00 00-0214)		
28 21 00 00-0216	EA		10X, In-Ceiling Mount, Color, Miniature Spectra®, Mini Pan/Tilt Camera Dome System (Pelco SD4-B).....	1,449.99	155.84



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 21 00 00-0217	Spectra® IP Network, Pan/Tilt Camera Dome Systems <small>(28 21 00 00-0148)</small> Note: Includes simultaneous IP and analog video and control, dome drive, camera, lens, back box, clear or smoked lower dome and mounting hardware.	
28 21 00 00-0218	Spectra® IV IP Network, Pan/Tilt Camera Dome Systems <small>(28 21 00 00-0217)</small>	
28 21 00 00-0219	Color, Spectra® IV IP Network, Pan/Tilt Camera Dome Systems <small>(28 21 00 00-0218)</small>	
28 21 00 00-0220	EA 16X, In-Ceiling Mount, Color, Spectra® IV IP Network, Pan/Tilt Camera Dome System (Pelco SD4NTC-F).....	2,620.14
28 21 00 00-0221	EA 16X, Pendant Mount, Color, Spectra® IV IP Network, Pan/Tilt Camera Dome System (Pelco SD4NTC-PB).....	2,757.15
28 21 00 00-0222	EA 16X, Environmental In-Ceiling Mount, Color, Spectra® IV IP Network, Pan/Tilt Camera Dome System (Pelco SD4NTC-F-E).....	2,835.65
28 21 00 00-0223	EA 16X, Environmental Pendant Mount, Color, Spectra® IV IP Network, Pan/Tilt Camera Dome System (Pelco SD4NTC-PG-E).....	2,835.65
28 21 00 00-0224	EA 22X, In-Ceiling Mount, Color, Spectra® IV IP Network, Pan/Tilt Camera Dome System (Pelco SD4NC22-F1).....	3,245.95
28 21 00 00-0225	EA 22X, Pendant Mount, Color, Spectra® IV IP Network, Pan/Tilt Camera Dome System (Pelco SD4NC22-PB-1).....	3,382.96
28 21 00 00-0226	EA 22X, Environmental In-Ceiling Mount, Color, Spectra® IV IP Network, Pan/Tilt Camera Dome System (Pelco SD4NC22-F-E1).....	3,461.46
28 21 00 00-0227	EA 22X, Environmental Pendant Mount, Color, Spectra® IV IP Network, Pan/Tilt Camera Dome System (Pelco SD4NC22-PG-E1).....	3,461.46
28 21 00 00-0228	Color/Black And White, Spectra® IV IP Network, Pan/Tilt Camera Dome Systems <small>(28 21 00 00-0218)</small>	
28 21 00 00-0229	EA 23X, In-Ceiling Mount, Color/Black And White, Spectra® IV IP Network, Pan/Tilt Camera Dome System (Pelco SD4NCBW-F1).....	3,625.87
28 21 00 00-0230	EA 23X, Pendant Mount, Color/Black And White, Spectra® IV IP Network, Pan/Tilt Camera Dome System (Pelco SD4NCBW-PB-1).....	3,762.89
28 21 00 00-0231	EA 23X, Environmental In-Ceiling Mount, Color/Black And White, Spectra® IV IP Network, Pan/Tilt Camera Dome System (Pelco SD4NCBW-F-E1).....	3,841.39
28 21 00 00-0232	EA 23X, Environmental Pendant Mount, Color/Black And White, Spectra® IV IP Network, Pan/Tilt Camera Dome System (Pelco SD4NCBW-PG-E1).....	3,841.39
28 21 00 00-0233	Heavy Duty Spectra® IV IP Network, Pan/Tilt Camera Dome Systems <small>(28 21 00 00-0217)</small>	
28 21 00 00-0234	Color, Heavy Duty Spectra® IV IP Network, Pan/Tilt Camera Dome Systems <small>(28 21 00 00-0233)</small>	
28 21 00 00-0235	EA 16X, In-Ceiling Mount, Color, Heavy Duty Spectra® IV IP Network, Camera Dome System (Pelco SD4NTC-HF1).....	3,020.06
	<i>For Protective Lower Dome Cage, Add</i>	34.65
28 21 00 00-0236	EA 16X, Pendant Mount, Color, Heavy Duty Spectra® IV IP Network, Camera Dome System (Pelco SD4NTC-HP1).....	3,151.89
	<i>For Protective Lower Dome Cage, Add</i>	34.65
28 21 00 00-0237	EA 16X, Environmental Pendant Mount, Color, Heavy Duty Spectra® IV IP Network, Camera Dome System (Pelco SD4NTC-HPE1).....	3,257.06
	<i>For Protective Lower Dome Cage, Add</i>	34.65
28 21 00 00-0238	EA 22X, In-Ceiling Mount, Color, Heavy Duty Spectra® IV IP Network, Camera Dome System (Pelco SD4NC22-HF1).....	3,599.95
	<i>For Protective Lower Dome Cage, Add</i>	34.65
28 21 00 00-0239	EA 22X, Pendant Mount, Color, Heavy Duty Spectra® IV IP Network, Camera Dome System (Pelco SD4NC22-HP1).....	3,731.78
	<i>For Protective Lower Dome Cage, Add</i>	34.65
28 21 00 00-0240	EA 22X, Environmental Pendant Mount, Color, Heavy Duty Spectra® IV IP Network, Camera Dome System (Pelco SD4NC22-HPE1).....	3,837.69
	<i>For Protective Lower Dome Cage, Add</i>	34.65
28 21 00 00-0241	Day/Night, Heavy Duty Spectra® IV IP Network, Pan/Tilt Camera Dome Systems <small>(28 21 00 00-0233)</small>	
28 21 00 00-0242	EA 18X, In-Ceiling Mount, Day/Night, Heavy Duty Spectra® IV IP Network, Camera Dome System (Pelco SD4N18-HF1).....	3,625.87
	<i>For Protective Lower Dome Cage, Add</i>	34.65
28 21 00 00-0243	EA 18X, Pendant Mount, Day/Night, Heavy Duty Spectra® IV IP Network, Camera Dome System (Pelco SD4N18-HP1).....	3,757.70
	<i>For Protective Lower Dome Cage, Add</i>	34.65
28 21 00 00-0244	EA 18X, Environmental Pendant Mount, Day/Night, Heavy Duty Spectra® IV IP Network, Camera Dome System (Pelco SD4N18-HPE1).....	3,863.61
	<i>For Protective Lower Dome Cage, Add</i>	34.65
28 21 00 00-0245	EA 35X, In-Ceiling Mount, Day/Night, Heavy Duty Spectra® IV IP Network, Camera Dome System (Pelco SD4N35-HF1).....	4,167.25
	<i>For Protective Lower Dome Cage, Add</i>	34.65
28 21 00 00-0246	EA 35X, Pendant Mount, Day/Night, Heavy Duty Spectra® IV IP Network, Camera Dome System (Pelco SD4N35-HP1).....	4,298.34
	<i>For Protective Lower Dome Cage, Add</i>	34.65
28 21 00 00-0247	EA 35X, Environmental Pendant Mount, Day/Night, Heavy Duty Spectra® IV IP Network, Camera Dome System (Pelco SD4N35-HPE1).....	4,404.25
	<i>For Protective Lower Dome Cage, Add</i>	34.65
28 21 00 00-0248	Stainless Steel Spectra® IV IP Network, Pan/Tilt Camera Dome Systems <small>(28 21 00 00-0217)</small>	
28 21 00 00-0249	Color, Stainless Steel Spectra® IV IP Network, Camera Dome Systems <small>(28 21 00 00-0248)</small>	
28 21 00 00-0250	EA 16X, Environmental Pendant Mount, Color, Stainless Steel Spectra® IV IP Network, Camera Dome System (Pelco SD4NTC-PSGE1).....	3,629.58

28 Electronic Safety And Security**28 20 Video Surveillance****28 21 Surveillance Cameras**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 21 00 00-0251 EA 22X, Environmental Pendant Mount, Color, Stainless Steel Spectra® IV IP Network, Camera Dome System (Pelco SD4NC22-PSGE1).....	4,210.21	155.84
28 21 00 00-0252 Color/Black And White, Stainless Steel Spectra® IV IP Network, Camera Dome Systems (28 21 00 00-0248)		
28 21 00 00-0253 EA 23X, Environmental Pendant Mount, Color/Black And White, Stainless Steel Spectra® IV IP Network, Camera Dome System (Pelco SD4N35-PSGE1).....	4,590.14	155.84
28 21 00 00-0254 Day/Night, Stainless Steel Spectra® IV IP Network, Camera Dome Systems (28 21 00 00-0248)		
28 21 00 00-0255 EA 18X, Environmental Pendant Mount, Day/Night, Stainless Steel Spectra® IV IP Network, Camera Dome System (Pelco SD4N18-PSGE1).....	4,236.13	155.84
28 21 00 00-0256 EA 35X, Environmental Pendant Mount, Day/Night, Stainless Steel Spectra® IV IP Network, Camera Dome System (Pelco SD4N35-PSGE1).....	4,776.77	155.84
28 21 00 00-0257 Miniature Spectra® IP Network, Mini Pan/Tilt Camera Dome Systems (28 21 00 00-0217)		
28 21 00 00-0258 Color, Miniature Spectra® IP Network, Mini Camera Dome Systems (28 21 00 00-0257)		
28 21 00 00-0259 EA 10X, In-Ceiling Mount, Color, Miniature Spectra® IP Network, Black Mini Camera Dome System (Pelco SD4N-W1).....	1,806.96	155.84
28 21 00 00-0260 Spectra®, Pan/Tilt Dome Drives (28 21 00 00-0148)		
Note: Includes dome drive, camera and lens.		
28 21 00 00-0261 EA 10X, Color Camera, Spectra® Mini Dome Drive (Pelco DD4).....	1,342.50	129.87
28 21 00 00-0262 EA 10X, Color Camera, Spectra® IP Network, Mini Dome Drive (Pelco DD4N).....	1,697.99	129.87
28 21 00 00-0263 EA 22X, Black And White Camera, Spectra® IV Dome Drive (Pelco DD4M22).....	2,137.16	129.87
28 21 00 00-0264 EA 16X, Color Camera, Spectra® IV Dome Drive (Pelco DD4TC16).....	1,688.36	129.87
28 21 00 00-0265 EA 22X, Color Camera, Spectra® IV Dome Drive (Pelco DD4C22).....	2,268.25	129.87
28 21 00 00-0266 EA 18X, Day/Night Camera, Spectra® IV Dome Drive (Pelco DD4CBW18).....	2,294.17	129.87
28 21 00 00-0267 EA 23X, Day/Night Camera, Spectra® IV Dome Drive (Pelco DD4CBW23).....	2,648.18	129.87
28 21 00 00-0268 EA 35X, Day/Night Camera, Spectra® IV Dome Drive (Pelco DD4CBW35).....	2,835.55	129.87
28 21 00 00-0269 EA 35X, Color/Black And White Camera, Spectra® IV Horizon Dome Drive (Pelco DD4H35).....	2,835.55	129.87
28 21 00 00-0270 Accessories For Spectra® Pan/Tilt Camera Dome Systems (28 21 00 00-0148)		
28 21 00 00-0271 EA Upgrade To Chrome Lower Dome (Pelco Spectra).....	104.42	
28 21 00 00-0272 EA Upgrade To Gold Lower Dome (Pelco Spectra).....	136.27	
28 21 00 00-0273 EA Wall Mount For Spectra® Systems (Pelco IWM-BK).....	117.80	12.99
28 21 00 00-0274 EA 24 Volt Out, Wall Mount For Spectra® Systems (Pelco IWM24-BK).....	290.36	12.99
28 21 00 00-0275 EA Wall Arm Mount For Spectra® Systems (Pelco IDM4018).....	114.84	12.99
28 21 00 00-0276 EA Wall Arm Mount With Feed Through For Stainless Steel Spectra® IV Systems (Pelco IDM4012SS).....	309.62	12.99
28 21 00 00-0277 EA Pole Mount Adapter For Spectra® Systems (Pelco PA402).....	63.18	7.73
28 21 00 00-0278 Camclosure®, Camera Dome Systems (28 21 00 00-0147)		
28 21 00 00-0279 Camclosure® IS Integrated, Camera Dome Systems (28 21 00 00-0278)		
28 21 00 00-0280 Camclosure® IS Integrated, Camera Dome Systems (28 21 00 00-0279)		
28 21 00 00-0281 High Resolution Color, Camclosure® IS Integrated, Camera Dome Systems (28 21 00 00-0280)		
28 21 00 00-0282 EA 12 mm, Indoor Surface/In-Ceiling Mount, High Resolution Color, Camclosure® IS Integrated, Camera Dome System (Pelco IS90-CH12).....	574.60	155.84
28 21 00 00-0283 EA 9-22 mm, Indoor Surface/In-Ceiling Mount, High Resolution Color, Camclosure® IS Integrated, Camera Dome System (Pelco IS90-CHV22).....	619.04	155.84
28 21 00 00-0284 EA 12 mm, Environmental Surface Mount, High Resolution Color, Camclosure® IS Integrated, Camera Dome System (Pelco IS110-CH12).....	681.99	155.84
28 21 00 00-0285 EA 12 mm, Environmental In-Ceiling Mount, High Resolution Color, Camclosure® IS Integrated, Camera Dome System (Pelco IS150-CH12).....	681.99	155.84
28 21 00 00-0286 Wide Dynamic Range Color, Camclosure® IS Integrated, Camera Dome Systems (28 21 00 00-0280)		
28 21 00 00-0287 EA 9-22 mm, Indoor Surface/In-Ceiling Mount, Wide Dynamic Range Color, Camclosure® IS Integrated, Camera Dome System (Pelco IS90B-CWV22).....	690.14	155.84
28 21 00 00-0288 EA 9-22 mm, Environmental Surface Mount, Wide Dynamic Range Color, Camclosure® IS Integrated, Camera Dome System (Pelco IS111-CWV22).....	747.90	155.84
28 21 00 00-0289 EA 9-22 mm, Environmental In-Ceiling Mount, Wide Dynamic Range Color, Camclosure® IS Integrated, Camera Dome System (Pelco IS151-CWV22).....	747.90	155.84
28 21 00 00-0290 Day/Night, Camclosure® IS Integrated, Camera Dome Systems (28 21 00 00-0280)		
28 21 00 00-0291 EA 9-22 mm, Indoor Surface/In-Ceiling Mount, Day/Night, Camclosure® IS Integrated, White Camera Dome System (Pelco IS90-DNV22).....	783.45	155.84



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 21 00 00-0292 EA 9-22 mm, Environmental Surface Mount, Day/Night, Camclosure® IS Integrated, Camera Dome System (Pelco IS111-DNV22)	926.39	155.84
28 21 00 00-0293 EA 9-22 mm, Environmental In-Ceiling Mount, Day/Night, Camclosure® IS Integrated, Camera Dome System (Pelco IS151-DNV22)	926.39	155.84
28 21 00 00-0294 Wide Dynamic Range Day/Night, Camclosure® IS Integrated, Camera Dome Systems <small>(28 21 00 00-0280)</small>		
28 21 00 00-0295 EA 9-22 mm, Indoor Surface/In-Ceiling Mount, Wide Dynamic Range Day/Night, Camclosure® IS Integrated, Camera Dome System (Pelco IS90-DWV22)	851.59	155.84
28 21 00 00-0296 EA 9-22 mm, Environmental In-Ceiling Mount, Wide Dynamic Range Day/Night, Camclosure® IS Integrated, Camera Dome System (Pelco IS151-DWV22)	943.42	155.84
28 21 00 00-0297 Camclosure® IS Integrated, Bullet Style Camera Systems <small>(28 21 00 00-0279)</small>		
28 21 00 00-0298 High Resolution Color, Camclosure® IS Integrated, Bullet Style Camera Systems <small>(28 21 00 00-0297)</small>		
28 21 00 00-0299 EA 3.6 mm, Wall/Ceiling Mount, High Resolution Color, Camclosure® IS Integrated, Bullet Style Camera System (Pelco IS310-CH3.6)	610.69	103.89
28 21 00 00-0300 Wide Dynamic Range Color, Camclosure® IS Integrated, Bullet Style Camera Systems <small>(28 21 00 00-0297)</small>		
28 21 00 00-0301 EA 9-22 mm, Wall/Ceiling Mount, Wide Dynamic Range Color, Camclosure® IS Integrated, Bullet Style Camera System (Pelco IS310-CWV22)	694.37	103.89
28 21 00 00-0302 Day/Night, Camclosure® IS Integrated, Bullet Style Camera Systems <small>(28 21 00 00-0297)</small>		
28 21 00 00-0303 EA 9-22 mm, Wall/Ceiling Mount, Day/Night, Camclosure® IS Integrated, Bullet Style Camera System (Pelco IS310-DNV22)	761.03	103.89
28 21 00 00-0304 Wide Dynamic Range Day/Night, Camclosure® IS Integrated, Bullet Style Camera Systems <small>(28 21 00 00-0297)</small>		
28 21 00 00-0305 EA 9-22 mm, Wall/Ceiling Mount, Wide Dynamic Range Day/Night, Camclosure® IS Integrated, Bullet Style Camera System (Pelco IS310-DWV22)	794.36	103.89
28 21 00 00-0306 Camclosure® IS Integrated Cameras <small>(28 21 00 00-0279)</small>		
28 21 00 00-0307 EA 12 mm, High Resolution Color, Camclosure® IS Integrated Camera (Pelco IS-CH12)	440.35	103.89
28 21 00 00-0308 EA 9-22 mm, High Resolution Color, Camclosure® IS Integrated Camera (Pelco IS-CHV22)	440.35	103.89
28 21 00 00-0309 EA 9-22 mm, Wide Dynamic Range Color, Camclosure® IS Integrated Camera (Pelco IS-CWV22)	506.26	103.89
28 21 00 00-0310 EA 9-22 mm, Day/Night, Camclosure® IS Integrated Camera (Pelco IS-DNV22)	684.75	103.89
28 21 00 00-0311 EA 9-22 mm, Wide Dynamic Range Day/Night, Camclosure® IS Integrated Camera (Pelco IS-DWV22)	701.78	103.89
28 21 00 00-0312 Camclosure® ICS Integrated, Camera Dome Systems <small>(28 21 00 00-0278)</small>		
28 21 00 00-0313 Camclosure® ICS Integrated, Camera Dome Systems <small>(28 21 00 00-0312)</small>		
28 21 00 00-0314 Standard Resolution Color, Camclosure® ICS Integrated, Camera Dome Systems <small>(28 21 00 00-0313)</small>		
28 21 00 00-0315 EA 12 mm, Indoor Surface/In-Ceiling Mount, Standard Resolution Color, Camclosure® ICS Integrated, Camera Dome System (Pelco ICS090B-CA12)	501.28	155.84
28 21 00 00-0316 EA 12 mm, UTP, Indoor Surface/In-Ceiling Mount, Standard Resolution Color, Camclosure® ICS Integrated, Camera Dome System (Pelco ICS090B-CA12T)	533.13	155.84
28 21 00 00-0317 EA 12 mm, Environmental Surface Mount, Standard Resolution Color, Camclosure® ICS Integrated, Camera Dome System (Pelco ICS110-CA12)	660.51	155.84
28 21 00 00-0318 EA 12 mm, Environmental In-Ceiling Mount, Standard Resolution Color, Camclosure® ICS Integrated, Camera Dome System (Pelco ICS150-CA12)	660.51	155.84
28 21 00 00-0319 High Resolution Color, Camclosure® ICS Integrated, Camera Dome Systems <small>(28 21 00 00-0313)</small>		
28 21 00 00-0320 EA 3-9 mm, Environmental In-Ceiling Mount, High Resolution Color, Camclosure® ICS Integrated, Camera Dome System (Pelco ICS151-CDV39A)	803.45	155.84
28 21 00 00-0321 Camclosure® ICS Integrated, Bullet Style Camera Systems <small>(28 21 00 00-0312)</small>		
28 21 00 00-0322 Standard Resolution, Camclosure® ICS Integrated, Bullet Style Camera Systems <small>(28 21 00 00-0321)</small>		
28 21 00 00-0323 EA 12 mm, Wall/Ceiling Mount, Standard Resolution, Camclosure® ICS Integrated, Bullet Style Camera System (Pelco ICS310-CA12)	556.62	103.89
28 21 00 00-0324 Camclosure® ICS Integrated, Wedge Style Camera Systems <small>(28 21 00 00-0312)</small>		

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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 21 00 00-0325 High Resolution Color, Camclosure® ICS Integrated, Wedge Style Camera Systems (28 21 00 00-0324)		
28 21 00 00-0326 EA 9-22 mm, High Resolution, Camclosure® ICS Integrated, Wedge Style Camera System (Pelco IS210-CHV22)	747.90	155.84
28 21 00 00-0327 Wide Dynamic Range Color, Camclosure® ICS Integrated, Wedge Style Camera Systems (28 21 00 00-0324)		
28 21 00 00-0328 EA 9-22 mm, Wide Dynamic Range, Camclosure® ICS Integrated, Wedge Style Camera System (Pelco IS210-CWV22)	814.56	155.84
28 21 00 00-0329 Day/Night, Camclosure® ICS Integrated, Wedge Style Camera Systems (28 21 00 00-0324)		
28 21 00 00-0330 EA 9-22 mm, Day/Night, Camclosure® ICS Integrated, Wedge Style Camera System (Pelco IS210-DNV22)	898.25	155.84
28 21 00 00-0331 Wide Dynamic Range Day/Night, Camclosure® ICS Integrated, Wedge Style Camera Systems (28 21 00 00-0324)		
28 21 00 00-0332 EA 9-22 mm, Wide Dynamic Range Day/Night, Camclosure® ICS Integrated, Wedge Style Camera System (Pelco IS210-DWV22)	931.57	155.84
28 21 00 00-0333 Camclosure® IP Network, Camera Dome Systems (28 21 00 00-0278)		
28 21 00 00-0334 Camclosure® IP Network, Camera Dome Systems (28 21 00 00-0333)		
28 21 00 00-0335 High Resolution Color, Camclosure® IP Network, Camera Dome Systems (28 21 00 00-0334)		
28 21 00 00-0336 EA 3-9.5 mm, Environmental Surface Mount, High Resolution Color, Camclosure® IP Network, Camera Dome System (Pelco IP111-CHV9)	1,298.91	155.84
28 21 00 00-0337 EA 9-22 mm, Environmental Surface Mount, High Resolution Color, Camclosure® IP Network, Camera Dome System (Pelco IP111-CHV22)	1,298.91	155.84
28 21 00 00-0338 Wide Dynamic Range Color, Camclosure® IP Network, Camera Dome Systems (28 21 00 00-0334)		
28 21 00 00-0339 EA 3-9.5 mm, Environmental Surface Mount, Wide Dynamic Range Color, Camclosure® IP Network, Camera Dome System (Pelco IP111-CWV9)	1,390.74	155.84
28 21 00 00-0340 EA 9-22 mm, Environmental Surface Mount, Wide Dynamic Range Color, Camclosure® IP Network, Camera Dome System (Pelco IP111-CWV22)	1,390.74	155.84
28 21 00 00-0341 Day/Night, Camclosure® IP Network, Camera Dome Systems (28 21 00 00-0334)		
28 21 00 00-0342 EA 3-9.5 mm, Environmental Surface Mount, Day/Night, Camclosure® IP Network, Camera Dome System (Pelco IP111-DNV9)	1,532.20	155.84
28 21 00 00-0343 EA 9-22 mm, Environmental Surface Mount, Day/Night, Camclosure® IP Network, Camera Dome System (Pelco IP111-DNV22)	1,532.20	155.84
28 21 00 00-0344 Wide Dynamic Range Day/Night, Camclosure® IP Network, Camera Dome Systems (28 21 00 00-0334)		
28 21 00 00-0345 EA 3-9.5 mm, Environmental Surface Mount, Wide Dynamic Range Day/Night, Camclosure® IP Network, Camera Dome System (Pelco IP110-DWV9)	1,632.18	155.84
28 21 00 00-0346 EA 9-22 mm, Environmental Surface Mount, Wide Dynamic Range Day/Night, Camclosure® IP Network, Camera Dome System (Pelco IP110-DWV22)	1,632.18	155.84
28 21 00 00-0347 Accessories For Camclosure® Camera Dome Systems (28 21 00 00-0278)		
28 21 00 00-0348 EA 4S Gangbox Adapter Plate For ICS110 Camclosure® Systems (Pelco ICS110-AP)	28.92	7.79
28 21 00 00-0349 EA 4S Adapter Plate For ICS310 Camclosure® Systems (Pelco ICS310-AP)	28.92	7.79
28 21 00 00-0350 EA Sun Shield For ICS310 Camclosure® Systems (Pelco ICS310-SS)	39.30	12.99
28 21 00 00-0351 EA Conduit Adapter For ICS310 Camclosure® Systems (Pelco ICS310-COND)	60.04	12.99
28 21 00 00-0352 EA 2' x 2' Ceiling Panel For ICS150 Camclosure® Systems (Pelco ICS150-P)	60.03	7.79
28 21 00 00-0353 EA Pendant Mount Adapter For Camclosure® ICS110 Systems (Pelco ICS110-PG)	60.04	12.99
28 21 00 00-0354 EA Corner Mount Adapter For ICS200 Camclosure® IS Systems (Pelco ICS210-CM)	74.85	12.99
28 21 00 00-0355 EA Smoked, Surface Mount, Dome For Camclosure® ICS Systems (Pelco ICS-DO110A)	197.11	25.97
28 21 00 00-0356 EA Clear, Surface Mount, Dome For Camclosure® ICS Systems (Pelco ICS-DO111A)	197.11	25.97
28 21 00 00-0357 EA Smoked, In-Ceiling Mount, Dome For Camclosure® ICS Systems (Pelco ICS-DO150A)	197.11	25.97
28 21 00 00-0358 EA Clear, In-Ceiling Mount, Dome For Camclosure® ICS Systems (Pelco ICS-DO151A)	197.11	25.97
28 21 00 00-0359 EA Pendant Mount Adapter For Camclosure® IP Systems (Pelco IP110-P)	71.15	12.99
28 21 00 00-0360 EA Smoked Lower Dome For Surface Mount Camclosure® IP Systems (Pelco IP110-LD)	85.28	25.97
28 21 00 00-0361 EA Clear Lower Dome For Surface Mount Camclosure® IP Systems (Pelco IP111-LD)	85.28	25.97
28 21 00 00-0362 EA Smoked Lower Dome For Surface Mount Camclosure® IS Systems (Pelco IS110-LD)	85.28	25.97
28 21 00 00-0363 EA Clear Lower Dome For Surface Mount Camclosure® IS Systems (Pelco IS111-LD)	85.28	25.97
28 21 00 00-0364 EA Smoked Lower Dome For Ceiling Mount Camclosure® IS Systems (Pelco IS150-LD)	85.28	25.97
28 21 00 00-0365 EA Clear Lower Dome For Ceiling Mount Camclosure® IS Systems (Pelco IS151-LD)	85.28	25.97
28 21 00 00-0366 EA Surface Mount Enclosure Only, Environmental, Camclosure® IS Systems (Pelco IS110-ENC)	246.32	35.48
28 21 00 00-0367 EA Ceiling Mount Enclosure Only, Environmental, Camclosure® IS Systems (Pelco IS150-ENC)	246.32	35.48
28 21 00 00-0368 EA Black Pendant Mount For Indoor Camclosure® IS Systems (Pelco IS90B-P)	51.89	12.99
28 21 00 00-0369 EA Black Pendant Wall Mount For Indoor Camclosure® IS Systems (Pelco IS90B-PW)	85.22	12.99



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	28 21 00 00-0370	EA		White Pendant Mount For Indoor Camclosure® IS Systems (Pelco IS90-P).....	51.89	12.99
	28 21 00 00-0371	EA		White Pendant Wall Mount For Indoor Camclosure® IS Systems (Pelco IS90-PW)	85.22	12.99
	28 21 00 00-0372	EA		Surface Mount Enclosure Only, Environmental, IP Camclosure® (Pelco IP110-ENC).....	1,215.22	155.84
28 21 00 00-0373	Pan/Tilt Camera Systems (28 21 00 00-0146)					
28 21 00 00-0374	Esprit® CBZ, Pan/Tilt Camera Systems (28 21 00 00-0373)					
	Note: Includes powder coated aluminum pan/tilt enclosure, receiver, camera, lens, built in heater, window defroster/defogger, sun shroud, insulation blanket, 24V power supply and mounting hardware.					
28 21 00 00-0375	EDR, High Resolution Color, Esprit® CBZ, Pan/Tilt Camera Systems (28 21 00 00-0374)					
28 21 00 00-0376	Pedestal Mount, EDR, High Resolution Color, Esprit® CBZ, Pan/Tilt Camera Systems (28 21 00 00-0375)					
	28 21 00 00-0377	EA		10X, Pedestal Mount, EDR, High Resolution Color, Esprit® CBZ, Pan/Tilt Camera System (Pelco ES3012-2CBZ10N).....	3,365.50	233.77
	28 21 00 00-0378	EA		20X, Pedestal Mount, EDR, High Resolution Color, Esprit® CBZ, Pan/Tilt Camera System (Pelco ES3012-2CBZ20N).....	3,810.60	233.77
	28 21 00 00-0379	EA		30X, Pedestal Mount, EDR, High Resolution Color, Esprit® CBZ, Pan/Tilt Camera System (Pelco ES3012-2CBZ30N).....	4,427.52	233.77
	28 21 00 00-0380	EA		10X, Preset Positioning, Pedestal Mount, EDR, High Resolution Color, Esprit® CBZ, Pan/Tilt Camera System (Pelco ES3012-2CBZ10PN)	3,461.04	233.77
	28 21 00 00-0381	EA		20X, Preset Positioning, Pedestal Mount, EDR, High Resolution Color, Esprit® CBZ, Pan/Tilt Camera System (Pelco ES3012-2CBZ20PN)	3,926.13	233.77
	28 21 00 00-0382	EA		30X, Preset Positioning, Pedestal Mount, EDR, High Resolution Color, Esprit® CBZ, Pan/Tilt Camera System (Pelco ES3012-2CBZ30PN)	4,543.05	233.77
28 21 00 00-0383	Wall Mount, EDR, High Resolution Color, Esprit® CBZ, Pan/Tilt Camera Systems (28 21 00 00-0375)					
	28 21 00 00-0384	EA		10X, Wall Mount, EDR, High Resolution Color, Esprit® CBZ, Pan/Tilt Camera System (Pelco ES3012-2CBZ10W).....	3,395.86	233.77
	28 21 00 00-0385	EA		20X, Wall Mount, EDR, High Resolution Color, Esprit® CBZ, Pan/Tilt Camera System (Pelco ES3012-2CBZ20W).....	3,840.96	233.77
	28 21 00 00-0386	EA		30X, Wall Mount, EDR, High Resolution Color, Esprit® CBZ, Pan/Tilt Camera System (Pelco ES3012-2CBZ30W).....	4,457.88	233.77
	28 21 00 00-0387	EA		10X, Preset Positioning, Wall Mount, EDR, High Resolution Color, Esprit® CBZ, Pan/Tilt Camera System (Pelco ES3012-2CBZ10PW)	3,492.14	233.77
	28 21 00 00-0388	EA		20X, Preset Positioning, Wall Mount, EDR, High Resolution Color, Esprit® CBZ, Pan/Tilt Camera System (Pelco ES3012-2CBZ20PW)	3,956.50	233.77
	28 21 00 00-0389	EA		30X, Preset Positioning, Wall Mount, EDR, High Resolution Color, Esprit® CBZ, Pan/Tilt Camera System (Pelco ES3012-2CBZ30PW)	4,573.42	233.77
28 21 00 00-0390	Esprit® CLZ, Pan/Tilt Camera Systems (28 21 00 00-0373)					
28 21 00 00-0391	DSS, High Resolution Color, Esprit® CLZ, Pan/Tilt Camera Systems (28 21 00 00-0390)					
28 21 00 00-0392	Pedestal Mount, DSS, High Resolution Color, Esprit® CLZ, Pan/Tilt Camera Systems (28 21 00 00-0391)					
	28 21 00 00-0393	EA		10X, Pedestal Mount, DSS, High Resolution Color, Esprit® CLZ, Pan/Tilt Camera System (Pelco ES3012-2CLZ10N).....	3,481.03	233.77
	28 21 00 00-0394	EA		20X, Pedestal Mount, DSS, High Resolution Color, Esprit® CLZ, Pan/Tilt Camera System (Pelco ES3012-2CLZ20N).....	3,926.13	233.77
	28 21 00 00-0395	EA		30X, Pedestal Mount, DSS, High Resolution Color, Esprit® CLZ, Pan/Tilt Camera System (Pelco ES3012-2CLZ30N).....	4,543.05	233.77
	28 21 00 00-0396	EA		10X, Preset Positioning, Pedestal Mount, DSS, High Resolution Color, Esprit® CLZ, Pan/Tilt Camera System (Pelco ES3012-2CLZ10PN).....	3,576.57	233.77
	28 21 00 00-0397	EA		20X, Preset Positioning, Pedestal Mount, DSS, High Resolution Color, Esprit® CLZ, Pan/Tilt Camera System (Pelco ES3012-2CLZ20PN).....	4,041.67	233.77
	28 21 00 00-0398	EA		30X, Preset Positioning, Pedestal Mount, DSS, High Resolution Color, Esprit® CLZ, Pan/Tilt Camera System (Pelco ES3012-2CLZ30PN).....	4,658.59	233.77
28 21 00 00-0399	Wall Mount, DSS, High Resolution Color, Esprit® CLZ, Pan/Tilt Camera Systems (28 21 00 00-0391)					
	28 21 00 00-0400	EA		10X, Wall Mount, DSS, High Resolution Color, Esprit® CLZ, Pan/Tilt Camera System (Pelco ES3012-2CLZ10W).....	3,511.40	233.77
	28 21 00 00-0401	EA		20X, Wall Mount, DSS, High Resolution Color, Esprit® CLZ, Pan/Tilt Camera System (Pelco ES3012-2CLZ20W).....	3,956.50	233.77
	28 21 00 00-0402	EA		30X, Wall Mount, DSS, High Resolution Color, Esprit® CLZ, Pan/Tilt Camera System (Pelco ES3012-2CLZ30W).....	4,573.42	233.77
	28 21 00 00-0403	EA		10X, Preset Positioning, Wall Mount, DSS, High Resolution Color, Esprit® CLZ, Pan/Tilt Camera System (Pelco ES3012-2CLZ10PW).....	3,607.67	233.77
	28 21 00 00-0404	EA		20X, Preset Positioning, Wall Mount, DSS, High Resolution Color, Esprit® CLZ, Pan/Tilt Camera System (Pelco ES3012-2CLZ20PW).....	4,072.03	233.77
	28 21 00 00-0405	EA		30X, Preset Positioning, Wall Mount, DSS, High Resolution Color, Esprit® CLZ, Pan/Tilt Camera System (Pelco ES3012-2CLZ30PW).....	4,688.95	233.77
28 21 00 00-0406	Esprit® AJZ, Pan/Tilt Camera Systems (28 21 00 00-0373)					
28 21 00 00-0407	High Resolution Color, Esprit® AJZ, Pan/Tilt Camera Systems (28 21 00 00-0406)					
28 21 00 00-0408	Pedestal Mount, High Resolution Color, Esprit® AJZ, Pan/Tilt Camera Systems (28 21 00 00-0407)					
	28 21 00 00-0409	EA		6 x 10, Pedestal Mount, High Resolution Color, Esprit® AJZ, Pan/Tilt Camera System (Pelco ES3012-2AJZ10N)	3,287.73	233.77

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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 21 00 00-0410 EA 5.6 x 20, Pedestal Mount, High Resolution Color, Esprit® AJZ, Pan/Tilt Camera System (Pelco ES3012-2AJZ20N)	3,732.84	233.77
28 21 00 00-0411 EA 5.5 x 30, Pedestal Mount, High Resolution Color, Esprit® AJZ, Pan/Tilt Camera System (Pelco ES3012-2AJZ30N)	4,349.76	233.77
28 21 00 00-0412 EA 6 x 10, Preset Positioning, Pedestal Mount, High Resolution Color, Esprit® AJZ, Pan/Tilt Camera System (Pelco ES3012-2AJZ10PN)	3,384.01	233.77
28 21 00 00-0413 EA 5.6 x 20, Preset Positioning, Pedestal Mount, High Resolution Color, Esprit® AJZ, Pan/Tilt Camera System (Pelco ES3012-2AJZ20PN)	3,848.37	233.77
28 21 00 00-0414 EA 5.5 x 30, Preset Positioning, Pedestal Mount, High Resolution Color, Esprit® AJZ, Pan/Tilt Camera System (Pelco ES3012-2AJZ30PN)	4,465.29	233.77
28 21 00 00-0415 Wall Mount, High Resolution Color, Esprit® AJZ, Pan/Tilt Camera Systems <small>(28 21 00 00-0407)</small>		
28 21 00 00-0416 EA 6 x 10, Wall Mount, High Resolution Color, Esprit® AJZ, Pan/Tilt Camera System (Pelco ES3012-2AJZ10W)	3,318.84	233.77
28 21 00 00-0417 EA 5.6 x 20, Wall Mount, High Resolution Color, Esprit® AJZ, Pan/Tilt Camera System (Pelco ES3012-2AJZ20W)	3,763.20	233.77
28 21 00 00-0418 EA 5.5 x 30, Wall Mount, High Resolution Color, Esprit® AJZ, Pan/Tilt Camera System (Pelco ES3012-2AJZ30W)	4,380.86	233.77
28 21 00 00-0419 EA 6 x 8, Preset Positioning, Wall Mount, High Resolution Color, Esprit® AJZ, Pan/Tilt Camera System (Pelco ES3012-2AJZ8PW)	3,340.32	233.77
28 21 00 00-0420 EA 6 x 10, Preset Positioning, Wall Mount, High Resolution Color, Esprit® AJZ, Pan/Tilt Camera System (Pelco ES3012-2AJZ10W)	3,414.38	233.77
28 21 00 00-0421 EA 5.6 x 20, Preset Positioning, Wall Mount, High Resolution Color, Esprit® AJZ, Pan/Tilt Camera System (Pelco ES3012-2AJZ20PW)	3,878.73	233.77
28 21 00 00-0422 EA 5.5 x 30, Preset Positioning, Wall Mount, High Resolution Color, Esprit® AJZ, Pan/Tilt Camera System (Pelco ES3012-2AJZ30PW)	4,496.39	233.77
28 21 00 00-0423 Esprit® AMZ, Pan/Tilt Camera Systems <small>(28 21 00 00-0373)</small>		
28 21 00 00-0424 Day/Night, Esprit® AMZ, Pan/Tilt Camera Systems <small>(28 21 00 00-0423)</small>		
28 21 00 00-0425 Pedestal Mount, Day/Night, Esprit® AMZ, Pan/Tilt Camera Systems <small>(28 21 00 00-0424)</small>		
28 21 00 00-0426 EA 5.6 x 20, Pedestal Mount, Day/Night, Esprit® AMZ, Pan/Tilt Camera System (Pelco ES3012-2AMZ20N)	3,917.24	233.77
28 21 00 00-0427 EA 5.5 x 30, Pedestal Mount, Day/Night, Esprit® AMZ, Pan/Tilt Camera System (Pelco ES3012-2AMZ30N)	4,534.16	233.77
28 21 00 00-0428 EA 6 x 10, Preset Positioning, Pedestal Mount, Day/Night, Esprit® AMZ, Pan/Tilt Camera System (Pelco ES3012-2AMZ10PN)	3,568.42	233.77
28 21 00 00-0429 EA 5.6 x 20, Preset Positioning, Pedestal Mount, Day/Night, Esprit® AMZ, Pan/Tilt Camera System (Pelco ES3012-2AMZ20PN)	4,032.78	233.77
28 21 00 00-0430 EA 5.5 x 30, Preset Positioning, Pedestal Mount, Day/Night, Esprit® AMZ, Pan/Tilt Camera System (Pelco ES3012-2AMZ30PN)	4,649.70	233.77
28 21 00 00-0431 Wall Mount, Day/Night, Esprit® AMZ, Pan/Tilt Camera Systems <small>(28 21 00 00-0424)</small>		
28 21 00 00-0432 EA 6 x 10, Wall Mount, Day/Night, Esprit® AMZ, Pan/Tilt Camera System (Pelco ES3012-2AMZ10W)	3,503.25	233.77
28 21 00 00-0433 EA 5.6 x 20, Wall Mount, Day/Night, Esprit® AMZ, Pan/Tilt Camera System (Pelco ES3012-2AMZ20W)	3,947.61	233.77
28 21 00 00-0434 EA 5.5 x 30, Wall Mount, Day/Night, Esprit® AMZ, Pan/Tilt Camera System (Pelco ES3012-2AMZ30W)	4,565.27	233.77
28 21 00 00-0435 EA 6 x 10, Preset Positioning, Wall Mount, Day/Night, Esprit® AMZ, Pan/Tilt Camera System (Pelco ES3012-2AMZ10PW)	3,598.79	233.77
28 21 00 00-0436 EA 5.6 x 20, Preset Positioning, Wall Mount, Day/Night, Esprit® AMZ, Pan/Tilt Camera System (Pelco ES3012-2AMZ20PW)	4,063.14	233.77
28 21 00 00-0437 EA 5.5 x 30, Preset Positioning, Wall Mount, Day/Night, Esprit® AMZ, Pan/Tilt Camera System (Pelco ES3012-2AMZ30PW)	4,680.80	233.77
28 21 00 00-0438 Esprit® KWZ, Pan/Tilt Camera Systems <small>(28 21 00 00-0373)</small>		
28 21 00 00-0439 Day/Night, Esprit® KWZ, Pan/Tilt Camera Systems <small>(28 21 00 00-0438)</small>		
28 21 00 00-0440 Pedestal Mount, Day/Night, Esprit® KWZ, Pan/Tilt Camera Systems <small>(28 21 00 00-0439)</small>		
28 21 00 00-0441 EA 5.5 x 30, Pedestal Mount, Day/Night, Esprit® KWZ, Pan/Tilt Camera System (Pelco ES3012-2KWZ30N)	4,632.66	233.77
28 21 00 00-0442 EA 6 x 10, Preset Positioning, Pedestal Mount, Day/Night, Esprit® KWZ, Pan/Tilt Camera System (Pelco ES3012-2KWZ10PN)	3,666.18	233.77
28 21 00 00-0443 EA 5.5 x 30, Preset Positioning, Pedestal Mount, Day/Night, Esprit® KWZ, Pan/Tilt Camera System (Pelco ES3012-2KWZ30PN)	4,748.20	233.77
28 21 00 00-0444 Wall Mount, Day/Night, Esprit® KWZ, Pan/Tilt Camera Systems <small>(28 21 00 00-0439)</small>		
28 21 00 00-0445 EA 6 x 10, Wall Mount, Day/Night, Esprit® KWZ, Pan/Tilt Camera System (Pelco ES3012-2KWZ10W)	3,601.01	233.77
28 21 00 00-0446 EA 5.5 x 30, Wall Mount, Day/Night, Esprit® KWZ, Pan/Tilt Camera System (Pelco ES3012-2KWZ30W)	4,663.77	233.77
28 21 00 00-0447 EA 6 x 10, Preset Positioning, Wall Mount, Day/Night, Esprit® KWZ, Pan/Tilt Camera System (Pelco ES3012-2KWZ10PW)	3,697.29	233.77
28 21 00 00-0448 EA 5.6 x 20, Preset Positioning, Wall Mount, Day/Night, Esprit® KWZ, Pan/Tilt Camera System (Pelco ES3012-2KWZ20PW)	4,161.64	233.77
28 21 00 00-0449 EA 5.5 x 30, Preset Positioning, Wall Mount, Day/Night, Esprit® KWZ, Pan/Tilt Camera System (Pelco ES3012-2KWZ30PW)	4,779.30	233.77
28 21 00 00-0450 Esprit® IOC, Pan/Tilt Camera Systems <small>(28 21 00 00-0373)</small>		
28 21 00 00-0451 Standard Resolution Color, Esprit® IOC, Pan/Tilt Camera Systems <small>(28 21 00 00-0450)</small>		



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 21 00 00-0452				Pedestal Mount, Standard Resolution Color, Esprit® IOC, Pan/Tilt Camera Systems <small>(28 21 00 00-0451)</small>		
28 21 00 00-0453	EA			16X, Pedestal Mount, Standard Resolution Color, Esprit® IOC, Pan/Tilt Camera System (Pelco ES30PC16-2N)	3,911.32	233.77
28 21 00 00-0454				Wall Mount, Standard Resolution Color, Esprit® IOC, Pan/Tilt Camera Systems <small>(28 21 00 00-0451)</small>		
28 21 00 00-0455	EA			16X, Wall Mount, Standard Resolution Color, Esprit® IOC, Pan/Tilt Camera System (Pelco ES30PC16-2W)	3,941.68	233.77
28 21 00 00-0456				High Resolution Color, Esprit® IOC, Pan/Tilt Camera Systems <small>(28 21 00 00-0450)</small>		
28 21 00 00-0457				Pedestal Mount, High Resolution Color, Esprit® IOC, Pan/Tilt Camera Systems <small>(28 21 00 00-0456)</small>		
28 21 00 00-0458	EA			22X, Pedestal Mount, High Resolution Color, Esprit® IOC, Pan/Tilt Camera System (Pelco ES30PC22-2N)	4,632.66	233.77
28 21 00 00-0459	EA			24X, Pedestal Mount, High Resolution Color, Esprit® IOC, Pan/Tilt Camera System (Pelco ES30PCBW24-2N)	4,481.58	233.77
28 21 00 00-0460	EA			35X, Pedestal Mount, High Resolution Color, Esprit® IOC, Pan/Tilt Camera System (Pelco ES30PCBW35-2N)	5,085.17	233.77
28 21 00 00-0461				Wall Mount, High Resolution Color, Esprit® IOC, Pan/Tilt Camera Systems <small>(28 21 00 00-0456)</small>		
28 21 00 00-0462	EA			22X, Wall Mount, High Resolution Color, Esprit® IOC, Pan/Tilt Camera System (Pelco ES30PC22-2W)	4,662.29	233.77
28 21 00 00-0463	EA			24X, Wall Mount, High Resolution Color, Esprit® IOC, Pan/Tilt Camera System (Pelco ES30PCBW24-2W)	4,481.58	233.77
28 21 00 00-0464	EA			35X, Wall Mount, High Resolution Color, Esprit® IOC, Pan/Tilt Camera System (Pelco ES30PCBW35-2W)	5,118.50	233.77
28 21 00 00-0465				Esprit® IOP, Pan/Tilt Camera Systems <small>(28 21 00 00-0373)</small>		
28 21 00 00-0466				High Resolution Color, Esprit® IOP, Pan/Tilt Camera Systems <small>(28 21 00 00-0465)</small>		
28 21 00 00-0467				Pedestal Mount, High Resolution Color, Esprit® IOP, Pan/Tilt Camera Systems <small>(28 21 00 00-0466)</small>		
28 21 00 00-0468	EA			16X, Pedestal Mount, High Resolution Color, Esprit® IOP, Pan/Tilt Camera System (Pelco ES30C16-2N)	3,023.34	233.77
28 21 00 00-0469	EA			22X, Pedestal Mount, High Resolution Color, Esprit® IOP, Pan/Tilt Camera System (Pelco ES30C22-2N)	3,745.43	233.77
28 21 00 00-0470	EA			24X, Pedestal Mount, High Resolution Color, Esprit® IOP, Pan/Tilt Camera System (Pelco ES30CBW24-2N)	3,596.57	233.77
28 21 00 00-0471	EA			35X, Pedestal Mount, High Resolution Color, Esprit® IOP, Pan/Tilt Camera System (Pelco ES30CBW35-2N)	4,066.85	233.77
28 21 00 00-0472				Wall Mount, High Resolution Color, Esprit® IOP, Pan/Tilt Camera Systems <small>(28 21 00 00-0466)</small>		
28 21 00 00-0473	EA			16X, Wall Mount, High Resolution Color, Esprit® IOP, Pan/Tilt Camera System (Pelco ES30C16-2W)	3,052.96	233.77
28 21 00 00-0474	EA			22X, Wall Mount, High Resolution Color, Esprit® IOP, Pan/Tilt Camera System (Pelco ES30C22-2W)	3,775.79	233.77
28 21 00 00-0475	EA			24X, Wall Mount, High Resolution Color, Esprit® IOP, Pan/Tilt Camera System (Pelco ES30CBW24-2W)	3,626.93	233.77
28 21 00 00-0476	EA			35X, Wall Mount, High Resolution Color, Esprit® IOP, Pan/Tilt Camera System (Pelco ES30CBW35-2W)	4,100.17	233.77
28 21 00 00-0477				Esprit® Thermal, Pan/Tilt Camera Systems <small>(28 21 00 00-0373)</small>		
28 21 00 00-0478				Esprit® Thermal, Pan/Tilt Camera Systems <small>(28 21 00 00-0477)</small>		
28 21 00 00-0479				Pedestal Mount, Esprit® Thermal, Pan/Tilt Camera Systems <small>(28 21 00 00-0478)</small>		
28 21 00 00-0480	EA			14.25 mm, Pedestal Mount, Esprit® Thermal, Pan/Tilt Camera System (Pelco ES3014TI-2N)	19,061.77	233.77
28 21 00 00-0481	EA			35 mm, Pedestal Mount, Esprit® Thermal, Pan/Tilt Camera System (Pelco ES3035TI-2N)	20,493.35	233.77
28 21 00 00-0482	EA			50 mm, Pedestal Mount, Esprit® Thermal, Pan/Tilt Camera System (Pelco ES3050TI-2N)	20,974.00	233.77
28 21 00 00-0483				Wall Mount, Esprit® Thermal, Pan/Tilt Camera Systems <small>(28 21 00 00-0478)</small>		
28 21 00 00-0484	EA			14.25 mm, Wall Mount, Esprit® Thermal, Pan/Tilt Camera System (Pelco ES3014TI-2W)	19,092.88	233.77
28 21 00 00-0485	EA			35 mm, 30 Hertz, Wall Mount, Esprit® Thermal, Pan/Tilt Camera System (Pelco ES3035TI-2W)	20,523.72	233.77
28 21 00 00-0486	EA			50 mm, Wall Mount, Esprit® Thermal, Pan/Tilt Camera System (Pelco ES3050TI-2W)	21,004.37	233.77
28 21 00 00-0487				Accessories For Esprit® Pan/Tilt Camera Systems <small>(28 21 00 00-0373)</small>		
28 21 00 00-0488	EA			Wiper Blade Replacement For Esprit® Systems (Pelco ES-REPLBLADE)	9.13	2.60
28 21 00 00-0489	EA			Marine Mounting Kit For Esprit® Systems (Pelco ES-MKIT)	51.89	12.99
28 21 00 00-0490	EA			Indoor/Outdoor Wall Mount For Esprit® Systems (Pelco EWM)	78.55	12.99
28 21 00 00-0491	EA			Wall Mount For High Security Enclosures (Pelco HSWM12)	98.55	12.99
28 21 00 00-0492	EA			Ground Isolation Transformer (Pelco GIT100)	298.17	35.48
28 21 00 00-0493	EA			High Security, Indoor Wedge Style Enclosure (Pelco HS2100)	294.46	35.48
28 21 00 00-0494	EA			High Security, Indoor 10" Length Enclosure (Pelco HS3000)	352.23	35.48
28 21 00 00-0495	EA			High Security, Indoor Medium Corner Mount Enclosure (Pelco HS1500)	626.25	35.48
28 21 00 00-0496	EA			High Security, Ceiling Mount, Lexan Window, Aluminum Enclosure (Pelco HS8080)	278.17	35.48
28 21 00 00-0497	EA			High Security, Ceiling Mount, Lexan Window, Steel Enclosure (Pelco HS8134)	508.50	35.48
28 21 00 00-0498	EA			Bullet-Resistant, Outdoor Enclosure (Pelco HS4514)	1,049.14	35.48
28 21 00 00-0499	EA			Bullet-Resistant, Outdoor Enclosure With Mount (Pelco HS4514/MT)	1,242.43	35.48
28 21 00 00-0500	EA			24X, Color/Black And White, Esprit® Camera Module (Pelco ES10PCBW24)	1,286.13	35.48
28 21 00 00-0501	EA			35X, Color/Black And White, Esprit® Camera Module (Pelco ES10PCBW35)	1,355.00	35.48
28 21 00 00-0502	EA			24 Volt AC, Esprit® Pan Tilt Enclosure Receiver (Pelco ES3012-2)	2,248.91	35.48
28 21 00 00-0503	EA			115/230 Volt AC, Esprit® Pan/Tilt Enclosure Receiver (Pelco ES3012-5)	2,248.91	35.48
28 21 00 00-0504	EA			24 Volt AC, Pedestal Mount, Esprit® Pan/Tilt Enclosure Receiver (Pelco ES3012-2N)	2,271.12	35.48

28 Electronic Safety And Security**28 20 Video Surveillance****28 21 Surveillance Cameras**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 21 00 00-0505 EA 120 Volt AC, Pedestal Mount, Esprit® Pan/Tilt Enclosure Receiver (Pelco ES3012-5N)	2,271.12	35.48
28 21 00 00-0506 EA 24 Volt AC, Wall Mount, Esprit® Pan/Tilt Enclosure Receiver (Pelco ES3012-2W)	2,302.23	35.48
28 21 00 00-0507 EA 120 Volt AC, Wall Mount, Esprit® Pan/Tilt Enclosure Receiver (Pelco ES3012-5W)	2,302.23	35.48
28 21 00 00-0508 EA 30X, 24 Volt AC, DSS, Color High Resolution, Esprit® CLZ Pan/Tilt Camera System (Pelco ES3012-2CLZ30)	4,195.20	35.48
28 21 00 00-0509 EA 30X, 24 Volt AC, Preset Positioning, DSS, Color High Resolution, Esprit® CLZ Pan/Tilt Camera System (Pelco ES3012-2CLZ30P)	4,310.74	35.48
28 21 00 00-0510 EA Esprit® Camera Pole Mount Adapter (Pelco EPM)	72.92	8.36
28 21 00 00-0511 EA Pole Mount Adapter For Esprit® Systems (Pelco EPM)	72.92	8.36
28 21 00 00-0512 Camera Lenses (28 21 00 00-0002)		
28 21 00 00-0513 Fixed Focus Camera Lenses (28 21 00 00-0512) Note: 1/3" format and manual focus.		
28 21 00 00-0514 Manual Iris, Fixed Focus Camera Lenses (28 21 00 00-0513)		
28 21 00 00-0515 EA 2.3 mm, Manual Iris, Fixed Focus Camera Lens (Pelco 13FA2.3)	128.74	12.19
28 21 00 00-0516 EA 2.8 mm, Manual Iris, Fixed Focus Camera Lens (Pelco 13FA2.8)	108.01	12.19
28 21 00 00-0517 EA 4 mm, Manual Iris, Fixed Focus Camera Lens (Pelco 13FA4)	97.64	12.19
28 21 00 00-0518 EA 8 mm, Manual Iris, Fixed Focus Camera Lens (Pelco 13FA8)	95.42	12.19
28 21 00 00-0519 Direct Drive Auto Iris, Fixed Focus Camera Lenses (28 21 00 00-0513) Note: Includes spot filter. Excludes amplifier.		
28 21 00 00-0520 EA 2.3 mm, Direct Drive Auto Iris, Fixed Focus Camera Lens (Pelco 13FD2.3)	159.11	12.19
28 21 00 00-0521 EA 2.8 mm, Direct Drive Auto Iris, Fixed Focus Camera Lens (Pelco 13FD2.8)	128.74	12.19
28 21 00 00-0522 EA 4 mm, Direct Drive Auto Iris, Fixed Focus Camera Lens (Pelco 13FD4)	121.34	12.19
28 21 00 00-0523 EA 8 mm, Direct Drive Auto Iris, Fixed Focus Camera Lens (Pelco 13FD8)	88.75	12.19
28 21 00 00-0524 Video Drive Auto Iris, Fixed Focus Camera Lenses (28 21 00 00-0513) Note: Includes LDC100 adapter to convert DC auto iris to video drive.		
28 21 00 00-0525 EA 2.3 mm, Video Drive Auto Iris, Fixed Focus Camera Lenses (Pelco 13FV2.3S)	186.51	12.19
28 21 00 00-0526 EA 2.8 mm, Video Drive Auto Iris, Fixed Focus Camera Lenses (Pelco 13FV2.8S)	155.41	12.19
28 21 00 00-0527 EA 4 mm, Video Drive Auto Iris, Fixed Focus Camera Lenses (Pelco 13FV4S)	148.00	12.19
28 21 00 00-0528 EA 8 mm, Video Drive Auto Iris, Fixed Focus Camera Lenses (Pelco 13FV8S)	142.08	12.19
28 21 00 00-0529 Varifocal Camera Lenses (28 21 00 00-0512) Note: 1/3" format and manual focus and zoom.		
28 21 00 00-0530 Manual Iris, Varifocal Camera Lenses (28 21 00 00-0529)		
28 21 00 00-0531 EA 1.6-3.4 mm, Manual Iris, Varifocal Camera Lens (Pelco 13VA1-3)	190.21	12.19
28 21 00 00-0532 EA 2.5-6 mm, Manual Iris, Varifocal Camera Lens (Pelco 13VA2.5-6)	149.48	12.19
28 21 00 00-0533 EA 2.8-12 mm, Manual Iris, Varifocal Camera Lens (Pelco 13VA2.8-12)	117.64	12.19
28 21 00 00-0534 EA 3-8 mm, Manual Iris, Varifocal Camera Lens (Pelco 13VA3-8)	104.30	12.19
28 21 00 00-0535 EA 5.5-82.5 mm, Manual Iris, Varifocal Camera Lens (Pelco 13VA5.5-82.5)	260.57	12.19
28 21 00 00-0536 EA 5-40 mm, Manual Iris, Varifocal Camera Lens (Pelco 13VA5-40)	153.18	12.19
28 21 00 00-0537 EA 5-50 mm, Manual Iris, Varifocal Camera Lens (Pelco 13VA5-50)	185.03	12.19
28 21 00 00-0538 Direct Drive Auto Iris, Varifocal Camera Lenses (28 21 00 00-0529) Note: Includes spot filter.		
28 21 00 00-0539 EA 1.6-3.4 mm, Direct Drive Auto Iris, Varifocal Camera Lens (Pelco 13VD1-3)	222.06	12.19
28 21 00 00-0540 EA 2.5-6 mm, Direct Drive Auto Iris, Varifocal Camera Lens (Pelco 13VD2.5-6)	195.40	12.19
28 21 00 00-0541 EA 2.8-12 mm, Direct Drive Auto Iris, Varifocal Camera Lens (Pelco 13VD2.8-12)	148.00	12.19
28 21 00 00-0542 EA 3-8 mm, Direct Drive Auto Iris, Varifocal Camera Lens (Pelco 13VD3-8)	108.75	12.19
28 21 00 00-0543 EA 5.5-82.5 mm, Direct Drive Auto Iris, Varifocal Camera Lens (Pelco 13VD5.5-82.5)	283.53	12.19
28 21 00 00-0544 EA 5-40 mm, Direct Drive Auto Iris, Varifocal Camera Lens (Pelco 13VD5-40)	169.48	12.19
28 21 00 00-0545 EA 5-50 mm, Direct Drive Auto Iris, Varifocal Camera Lens (Pelco 13VD5-50)	219.84	12.19
28 21 00 00-0546 Video Drive Auto Iris, Varifocal Camera Lenses (28 21 00 00-0529) Note: Includes spot filter.		
28 21 00 00-0547 EA 1.6-3.4 mm, Video Drive Auto Iris, Varifocal Camera Lens (Pelco 13VV1-3S)	249.46	12.19
28 21 00 00-0548 EA 2.5-6 mm, Video Drive Auto Iris, Varifocal Camera Lens (Pelco 13VV2.5-6S)	222.06	12.19
28 21 00 00-0549 EA 3-8 mm, Video Drive Auto Iris, Varifocal Camera Lens (Pelco 13VV3-8S)	136.15	12.19
28 21 00 00-0550 EA 5-50 mm, Video Drive Auto Iris, Varifocal Camera Lens (Pelco 13VV5-50S)	246.50	12.19
28 21 00 00-0551 Infrared Corrected, Direct Drive Auto Iris, Varifocal Camera Lenses (28 21 00 00-0529)		
28 21 00 00-0552 EA 3-8.5 mm, Infrared Corrected, Direct Drive Auto Iris, Varifocal Camera Lens (Pelco 13VDIR3-8.5)	126.52	12.19
28 21 00 00-0553 EA 7.5-50 mm, Infrared Corrected, Direct Drive Auto Iris, Varifocal Camera Lens (Pelco 13VDIR7.5-50)	193.92	12.19
28 21 00 00-0554 Motorized Zoom Camera Lenses (28 21 00 00-0512) Note: 1/3" format.		
28 21 00 00-0555 Manual Iris, Motorized Zoom Camera Lenses (28 21 00 00-0554)		
28 21 00 00-0556 EA 8X Zoom, 6-48 mm, Manual Iris, Motorized Zoom Camera Lens (Pelco 13ZM6X8)	447.20	12.19
28 21 00 00-0557 EA 10X Zoom, 6-60 mm, Manual Iris, Motorized Zoom Camera Lens (Pelco 13ZM6X10)	556.81	12.19
28 21 00 00-0558 EA 15X Zoom, 6-90 mm, Manual Iris, Motorized Zoom Camera Lens (Pelco 13ZM6X15)	593.10	12.19



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 21 00 00-0559 Direct Drive Auto Iris, Motorized Zoom Camera Lenses <small>(28 21 00 00-0554)</small> Note: Includes spot filter.		
28 21 00 00-0560 EA 6X Zoom, 6-48 mm, Direct Drive Auto Iris, Motorized Zoom Camera Lens (Pelco 13ZD6X8).....	430.91	12.19
28 21 00 00-0561 EA 10X Zoom, 6-60 mm, Direct Drive Auto Iris, Motorized Zoom Camera Lens (Pelco 13ZD6X10).....	516.82	12.19
28 21 00 00-0562 EA 15X Zoom, 6-90 mm, Direct Drive Auto Iris, Motorized Zoom Camera Lens (Pelco 13ZD6X15).....	654.57	12.19
28 21 00 00-0563 EA 20X Zoom, 5.6-112 mm, Direct Drive Auto Iris, Motorized Zoom Camera Lens (Pelco 13ZD5.6X20).....	961.92	12.19
28 21 00 00-0564 EA 30X Zoom, 5.5-165 mm, Direct Drive Auto Iris, Motorized Zoom Camera Lens (Pelco 13ZD5.5X30).....	1,579.58	12.19
28 21 00 00-0565 Video Drive Auto Iris, Motorized Zoom Camera Lenses <small>(28 21 00 00-0554)</small> Note: Includes spot filter.		
28 21 00 00-0566 EA 8X Zoom, 6-48 mm, Video Drive Auto Iris, Motorized Zoom Camera Lens (Pelco 13ZV6X8S).....	458.31	12.19
28 21 00 00-0567 EA 10X Zoom, 6-60 mm, Video Drive Auto Iris, Motorized Zoom Camera Lens (Pelco 13ZV6X10S).....	544.22	12.19
28 21 00 00-0568 EA 15X Zoom, 6-90 mm, Video Drive Auto Iris, Motorized Zoom Camera Lens (Pelco 13ZV6X15S).....	681.97	12.19
28 21 00 00-0569 EA 20X Zoom, 5.6-112 mm, Video Drive Auto Iris, Motorized Zoom Camera Lens (Pelco 13ZV5.6X20S).....	989.32	12.19
28 21 00 00-0570 EA 30X Zoom, 5.5-165 mm, Video Drive Auto Iris, Motorized Zoom Camera Lens (Pelco 13ZV5.5X30S).....	1,606.24	12.19
28 21 00 00-0571 Camera Power Supplies <small>(28 21 00 00-0002)</small>		
28 21 00 00-0572 EA 20 VA, 24 Volt AC, Camera Power Transformer (Pelco TF2000).....	34.10	10.39
28 21 00 00-0573 EA 50 VA, 24 Volt AC, Camera Power Transformer (Pelco TF9000).....	56.32	10.39
28 21 00 00-0574 EA 2 Amp, 4 Outputs, Camera Power Supply (Pelco MCS4-2).....	123.77	20.77
28 21 00 00-0575 EA 5 Amp, 8 Outputs, Camera Power Supply (Pelco MCS8-5).....	171.94	31.17
28 21 00 00-0576 EA 10 Amp, 16 Outputs, Camera Power Supply (Pelco MCS16-10).....	246.79	41.56
For Switchable Outputs, Add	98.20	
28 21 00 00-0577 EA 20 Amp, 16 Outputs, Camera Power Supply (Pelco MCS16-20).....	305.33	51.95
For Switchable Outputs, Add	120.86	
28 21 00 00-0578 Camera Illuminators <small>(28 21 00 00-0002)</small>		
28 21 00 00-0579 Camera Illuminators <small>(28 21 00 00-0578)</small> Note: Includes lamp and mounting bracket.		
28 21 00 00-0580 EA Narrow Spot Lamp, Low Light Level Camera Illuminator (Pelco LL27MF).....	1,176.16	20.77
28 21 00 00-0581 EA Infrared Narrow Spot Lamp, Low Light Level Camera Illuminator (Pelco LL27NS).....	1,176.16	20.77
28 21 00 00-0582 EA Flood Lamp, Low Light Level Camera Illuminator (Pelco LL27WF).....	1,176.16	20.77
28 21 00 00-0583 Camera Illuminator Accessories <small>(28 21 00 00-0578)</small>		
28 21 00 00-0584 EA Replacement Lamp For Low Light Level Camera Illuminator (Pelco PAR56).....	104.51	20.77
28 21 00 00-0585 Camera Receivers <small>(28 21 00 00-0002)</small>		
28 21 00 00-0586 EA 24 Volt AC, Coaxitron® Outdoor Camera Receiver With Preset Positioning (Pelco CX9024RX-PP).....	1,158.74	35.48
28 21 00 00-0587 EA 120 Volt AC, Coaxitron® Outdoor Camera Receiver With Preset Positioning (Pelco CX9115RX-PP).....	1,158.74	35.48
28 21 00 00-0588 Pan And Tilt Drives <small>(28 21 00 00-0002)</small>		
28 21 00 00-0589 EA 15 LB Load, 24 Volt AC, Outdoor Pan And Tilt Drive (Pelco PT270-24P).....	832.01	77.92
28 21 00 00-0590 EA 40 LB Load, 24/120 Volt AC, Outdoor Pan And Tilt Drive (Pelco PT570-24P).....	1,048.26	77.92
For Preset Positioning, Add	165.00	
28 21 00 00-0591 EA 100 LB Load, 120 Volt AC, Outdoor Pan And Tilt Drive (Pelco PT1250P).....	2,182.86	77.92
For Preset Positioning, Add	165.00	
28 21 00 00-0592 EA 100 LB Load, 120 Volt DC, Outdoor Pan And Tilt Drive (Pelco PT1250DC).....	2,490.21	77.92
For Preset Positioning, Add	165.00	
28 21 00 00-0593 EA 100 LB Load, 120 Volt DC, 360 Degree Outdoor Pan And Tilt Drive (Pelco PT1280SL).....	2,876.80	77.92
For Preset Positioning, Add	165.00	
28 21 00 00-0594 EA 100 LB Load, 120 Volt DC, Explosion Proof Outdoor Pan And Tilt Drive (Pelco PT1260EX).....	3,698.87	77.92
For Preset Positioning, Add	165.00	
28 21 00 00-0595 Scanners <small>(28 21 00 00-0002)</small>		
28 21 00 00-0596 EA 35 LB Load, 24 Volt AC, Indoor/Outdoor Scanner (Pelco PS20-24).....	945.32	77.92
For Wall Mount, Add	39.05	
For Pressure Sensor Alarm, Add	51.15	
28 21 00 00-0597 EA 35 LB Load, 120 Volt AC, Indoor/Outdoor Scanner (Pelco PS20).....	991.98	77.92
For Wall Mount, Add	39.05	
For Pressure Sensor Alarm, Add	51.15	
28 21 00 00-0598 Camera Monitors <small>(28 21 00 00-0001)</small>		
28 21 00 00-0599 Camera Monitors <small>(28 21 00 00-0598)</small>		
28 21 00 00-0600 Monochrome Camera Monitors <small>(28 21 00 00-0599)</small>		
28 21 00 00-0601 EA 9" Monochrome Camera Monitor (Pelco PMM9A).....	184.47	15.59
28 21 00 00-0602 EA 12" Monochrome Camera Monitor (Pelco PMM12A).....	210.40	15.59
28 21 00 00-0603 EA 15" Monochrome Camera Monitor (Pelco PMM15A).....	320.00	15.59
28 21 00 00-0604 EA 20" Monochrome Camera Monitor (Pelco PMM20A).....	511.82	15.59

28 Electronic Safety And Security**28 20 Video Surveillance****28 21 Surveillance Cameras**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 21 00 00-0605 Color Camera Monitors (28 21 00 00-0599)		
28 21 00 00-0606 EA 9", High Resolution Color, Camera Monitor (Pelco PMC9A).....	576.99	15.59
28 21 00 00-0607 EA 15", High Resolution Color, Camera Monitor (Pelco PMCS15A).....	468.86	15.59
28 21 00 00-0608 EA 17", High Resolution Color, Camera Monitor (Pelco PMCS17A).....	679.19	15.59
28 21 00 00-0609 EA 19", High Resolution Color, Camera Monitor (Pelco PMCS19A).....	901.37	15.59
28 21 00 00-0610 LCD Camera Monitors (28 21 00 00-0598)		
28 21 00 00-0611 VGA Signal, Color LCD Camera Monitors (Pelco 200 Series) (28 21 00 00-0610)		
Note: Displays VGA computer signals.		
28 21 00 00-0612 EA 17", VGA Signal, High Resolution Color, LCD Camera Monitor (Pelco PMCL217).....	651.79	15.59
28 21 00 00-0613 EA 19", VGA Signal, High Resolution Color, LCD Camera Monitor (Pelco PMCL219).....	847.31	15.59
28 21 00 00-0614 Multimode, Color LCD Camera Monitors (Pelco 300 Series) (28 21 00 00-0610)		
Note: Displays VGA computer signals and/or composite video signals.		
28 21 00 00-0615 EA 15", Multimode, High Resolution Color, LCD Camera Monitor (Pelco PMCL315).....	740.66	15.59
28 21 00 00-0616 EA 17", Multimode, High Resolution Color, LCD Camera Monitor (Pelco PMCL317).....	885.82	15.59
28 21 00 00-0617 EA 19", Multimode, High Resolution Color, LCD Camera Monitor (Pelco PMCL319).....	1,088.75	15.59
28 21 00 00-0618 Multimode With PIP, Color LCD Camera Monitors (Pelco 400 Series) (28 21 00 00-0610)		
Note: Displays VGA computer signals and/or composite video signals. Includes picture in picture option.		
28 21 00 00-0619 EA 15", Multimode With PIP, High Resolution Color, LCD Camera Monitor (Pelco PMCL415).....	949.51	15.59
28 21 00 00-0620 EA 17", Multimode With PIP, High Resolution Color, LCD Camera Monitor (Pelco PMCL417).....	1,100.60	15.59
28 21 00 00-0621 EA 19", Multimode With PIP, High Resolution Color, LCD Camera Monitor (Pelco PMCL419).....	1,379.80	15.59
28 21 00 00-0622 Camera Monitor Mounting Accessories (28 21 00 00-0598)		
28 21 00 00-0623 Camera Monitor Mounts (28 21 00 00-0622)		
28 21 00 00-0624 EA Up To 14", Camera Monitor Mount (Pelco).....	226.71	20.77
28 21 00 00-0625 EA >14" To 17", Camera Monitor Mount (Pelco).....	263.00	20.77
28 21 00 00-0626 EA >17" To 21", Camera Monitor Mount (Pelco).....	307.44	20.77
28 21 00 00-0627 Camera Monitor Rack Mount Kits (28 21 00 00-0622)		
28 21 00 00-0628 EA Camera Monitor Rack Mount Kit (Pelco PMCL-RM).....	140.06	20.77
28 21 00 00-0629 Video Transmission Equipment (28 21 00 00-0001)		
28 21 00 00-0630 UTP Cable, Video Transmission Equipment (28 21 00 00-0629)		
28 21 00 00-0631 UTP Cable, Active Video Receivers (28 21 00 00-0630)		
28 21 00 00-0632 EA Single Channel, UTP Cable, Active Video Receiver (Pelco TW3001AR).....	285.24	25.97
28 21 00 00-0633 EA Four Channel, UTP Cable, Active Video Receiver (Pelco TW3004AR).....	961.41	25.97
28 21 00 00-0634 EA Eight Channel, 4 Outputs, UTP Cable, Active Video Receiver (Pelco TW3008AR-4-US).....	1,883.45	25.97
28 21 00 00-0635 EA Sixteen Channel, UTP Cable, Active Video Receiver (Pelco TW3016AR1-US).....	3,088.41	25.97
28 21 00 00-0636 EA Sixteen Channel, 2 Outputs, UTP Cable, Active Video Receiver (Pelco TW3016AR-2-US).....	3,604.61	25.97
28 21 00 00-0637 UTP Cable, Passive Video Transceivers (28 21 00 00-0630)		
28 21 00 00-0638 EA Single Channel, UTP Cable, Passive Video Transceiver (Pelco TW3001P).....	89.72	25.97
28 21 00 00-0639 EA Four Channel, UTP Cable, Passive Video Transceiver (Pelco TW3004P).....	285.24	25.97
28 21 00 00-0640 EA Eight Channel, UTP Cable, Passive Video Transceiver (Pelco TW3008P).....	519.27	25.97
28 21 00 00-0641 EA Sixteen Channel, UTP Cable, Passive Video Transceiver (Pelco TW3016P).....	979.92	25.97
28 21 00 00-0642 EA Thirty Two Channel, UTP Cable, Passive Video Transceiver (Pelco TW3032P).....	1,908.63	25.97
28 21 00 00-0643 UTP Cable, Active Video Transmitters (28 21 00 00-0630)		
28 21 00 00-0644 EA Single Channel, UTP Cable, Active Video Transmitter (Pelco TW3001AT).....	297.83	25.97
28 21 00 00-0645 Fiber Optics, Video Transmission Equipment (28 21 00 00-0629)		
28 21 00 00-0646 Data Only, Fiber Optics Transmission Equipment (28 21 00 00-0645)		
28 21 00 00-0647 Bidirectional Data, Fiber Optics Transmitters (28 21 00 00-0646)		
28 21 00 00-0648 EA Single-Channel, Single Mode, Bidirectional Data, Fiber Optics Transmitter (Pelco FT8101AS).....	1,694.70	51.95
28 21 00 00-0649 EA Single-Channel, Multimode, Bidirectional Data, Fiber Optics Transmitter (Pelco FT8101AM).....	703.78	51.95
28 21 00 00-0650 EA Four-Channel, Single Mode, Bidirectional Data, Fiber Optics Transmitter (Pelco FT8104S).....	1,243.67	51.95
28 21 00 00-0651 EA Four-Channel, Multimode, Bidirectional Data, Fiber Optics Transmitter (Pelco FT8104M).....	863.75	51.95
28 21 00 00-0652 Bidirectional Data, Fiber Optics Receivers (28 21 00 00-0646)		
28 21 00 00-0653 EA Single-Channel, Single Mode, Bidirectional Data, Fiber Optics Receiver (Pelco FR8101AS).....	1,694.70	51.95
28 21 00 00-0654 EA Single-Channel, Multimode, Bidirectional Data, Fiber Optics Receiver (Pelco FR8101AM).....	703.78	51.95



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 21 00 00-0655 EA Four-Channel, Single Mode, Bidirectional Data, Fiber Optics Receiver (Pelco FR8104S)	1,243.67	51.95
28 21 00 00-0656 EA Four-Channel, Multimode, Bidirectional Data, Fiber Optics Receiver (Pelco FR8104M)	863.75	51.95
28 21 00 00-0657 Video Only, Fiber Optics Transmission Equipment (28 21 00 00-0645)		
28 21 00 00-0658 Digitally Encoded Video, Fiber Optics Transmitters (28 21 00 00-0657)		
28 21 00 00-0659 EA Single-Channel, Single Mode, Digitally Encoded Video, Fiber Optics Transmitter (Pelco FT8301AS)	763.02	51.95
28 21 00 00-0660 EA Single-Channel, Multimode, Digitally Encoded Video, Fiber Optics Transmitter (Pelco FT8301AM)	343.84	51.95
28 21 00 00-0661 EA Four-Channel, Single Mode, Digitally Encoded Video, Fiber Optics Transmitter (Pelco FT8304S)	2,080.55	51.95
28 21 00 00-0662 EA Four-Channel, Multimode, Digitally Encoded Video, Fiber Optics Transmitter (Pelco FT8304M)	1,258.49	51.95
28 21 00 00-0663 EA Eight-Channel, Single Mode, Digitally Encoded Video, Fiber Optics Transmitter (Pelco FT8308S)	3,395.86	51.95
28 21 00 00-0664 EA Eight-Channel, Multimode, Digitally Encoded Video, Fiber Optics Transmitter (Pelco FT8308M)	2,827.08	51.95
28 21 00 00-0665 EA Sixteen-Channel, Single Mode, Digitally Encoded Video, Fiber Optics Transmitter (Pelco FT8316S)	8,402.31	51.95
28 21 00 00-0666 EA Sixteen-Channel, Multimode, Digitally Encoded Video, Fiber Optics Transmitter (Pelco FT8316M)	7,480.27	51.95
28 21 00 00-0667 Digitally Encoded Video, Fiber Optics Receivers (28 21 00 00-0657)		
28 21 00 00-0668 EA Single-Channel, Single Mode, Digitally Encoded Video, Fiber Optics Receiver (Pelco FR8301AS)	763.02	51.95
28 21 00 00-0669 EA Single-Channel, Multimode, Digitally Encoded Video, Fiber Optics Receiver (Pelco FR8301AM)	343.84	51.95
28 21 00 00-0670 EA Two-Channel, Single Mode, Digitally Encoded Video, Fiber Optics Receiver (Pelco FR8302AS)	1,288.85	51.95
28 21 00 00-0671 EA Two-Channel, Multimode, Digitally Encoded Video, Fiber Optics Receiver (Pelco FR8302AM)	534.18	51.95
28 21 00 00-0672 EA Four-Channel, Single Mode, Digitally Encoded Video, Fiber Optics Receiver (Pelco FR8304S)	2,080.55	51.95
28 21 00 00-0673 EA Four-Channel, Multimode, Digitally Encoded Video, Fiber Optics Receiver (Pelco FR8304M)	1,258.49	51.95
28 21 00 00-0674 EA Eight-Channel, Single Mode, Digitally Encoded Video, Fiber Optics Receiver (Pelco FR8308S)	3,395.86	51.95
28 21 00 00-0675 EA Eight-Channel, Multimode, Digitally Encoded Video, Fiber Optics Receiver (Pelco FR8308M)	2,827.08	51.95
28 21 00 00-0676 EA Sixteen-Channel, Single Mode, Digitally Encoded Video, Fiber Optics Receiver (Pelco FR8316S)	8,402.31	51.95
28 21 00 00-0677 EA Sixteen-Channel, Multimode, Digitally Encoded Video, Fiber Optics Receiver (Pelco FR8316M)	7,480.27	51.95
28 21 00 00-0678 Video And Data, Fiber Optics Transmission Equipment (28 21 00 00-0645)		
28 21 00 00-0679 Digitally Encoded Video With Bidirectional Data, Fiber Optics Transmitters (28 21 00 00-0678)		
28 21 00 00-0680 EA Single-Channel, Single Mode, Digitally Encoded Video With Bidirectional Data, Fiber Optics Transmitter (Pelco FT85011AS)	1,301.44	51.95
28 21 00 00-0681 EA Single-Channel, Multimode, Digitally Encoded Video With Bidirectional Data, Fiber Optics Transmitter (Pelco FT85011AM)	783.76	51.95
28 21 00 00-0682 EA Four-Channel, Single Mode, Digitally Encoded Video With Bidirectional Data, Fiber Optics Transmitter (Pelco FT85041S)	3,004.08	51.95
28 21 00 00-0683 EA Four-Channel, Multimode, Digitally Encoded Video With Bidirectional Data, Fiber Optics Transmitter (Pelco FT85041M)	2,603.41	51.95
28 21 00 00-0684 EA Eight-Channel, Single Mode, Digitally Encoded Video With Bidirectional Data, Fiber Optics Transmitter (Pelco FT85081S)	4,850.40	51.95
28 21 00 00-0685 EA Eight-Channel, Multimode, Digitally Encoded Video With Bidirectional Data, Fiber Optics Transmitter (Pelco FT85081M)	3,521.76	51.95
28 21 00 00-0686 Digitally Encoded Video With Bidirectional Data, Fiber Optics Receivers (28 21 00 00-0678)		
28 21 00 00-0687 EA Single-Channel, Single Mode, Digitally Encoded Video With Bidirectional Data, Fiber Optics Receiver (Pelco FR85011AS)	1,301.44	51.95
28 21 00 00-0688 EA Single-Channel, Multimode, Digitally Encoded Video With Bidirectional Data, Fiber Optics Receiver (Pelco FR85011AM)	783.76	51.95
28 21 00 00-0689 EA Four-Channel, Single Mode, Digitally Encoded Video With Bidirectional Data, Fiber Optics Receiver (Pelco FR85041S)	3,004.08	51.95
28 21 00 00-0690 EA Four-Channel, Multimode, Digitally Encoded Video With Bidirectional Data, Fiber Optics Receiver (Pelco FR85041M)	2,603.41	51.95
28 21 00 00-0691 EA Eight-Channel, Single Mode, Digitally Encoded Video With Bidirectional Data, Fiber Optics Receiver (Pelco FR85081S)	4,850.40	51.95
28 21 00 00-0692 EA Eight-Channel, Multimode, Digitally Encoded Video With Bidirectional Data, Fiber Optics Receiver (Pelco FR85081M)	3,521.76	51.95
28 21 00 00-0693 Video, Audio And Data, Fiber Optics Transmission Equipment (28 21 00 00-0645)		
28 21 00 00-0694 Digitally Encoded Video With Bidirectional Audio, Data And Contact Closure, Fiber Optics Transmitters (28 21 00 00-0693)		
28 21 00 00-0695 EA Single-Channel, Single Mode, Digitally Encoded Video With Bidirectional Audio, Data And Contact Closure, Fiber Optics Transmitter (Pelco FT86011S)	1,671.00	51.95
28 21 00 00-0696 EA Single-Channel, Multimode, Digitally Encoded Video With Bidirectional Audio, Data And Contact Closure, Fiber Optics Transmitter (Pelco FT86011M)	1,333.29	51.95
28 21 00 00-0697 Digitally Encoded Video With Bidirectional Audio, Data And Contact Closure, Fiber Optics Receivers (28 21 00 00-0693)		
28 21 00 00-0698 EA Single-Channel, Single Mode, Digitally Encoded Video With Bidirectional Audio, Data And Contact Closure, Fiber Optics Receiver (Pelco FR86011S)	1,671.00	51.95
28 21 00 00-0699 EA Single-Channel, Multimode, Digitally Encoded Video With Bidirectional Audio, Data And Contact Closure, Fiber Optics Receiver (Pelco FR86011M)	1,333.29	51.95

28 Electronic Safety And Security**28 20 Video Surveillance****28 21 Surveillance Cameras**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 21 00 00-0700 Video Amplifiers (28 21 00 00-0629)		
28 21 00 00-0701 Video Distribution Amplifiers (28 21 00 00-0700)		
28 21 00 00-0702 EA 1 Input, 4 Outputs, Video Distribution Amplifier (Pelco DA104DT).....	208.90	12.99
28 21 00 00-0703 EA 16 Channel, Master, Video Distribution Amplifier (Pelco CM9760-MDA).....	1,663.44	12.99
Note: Inserts time-date and title on up to 16 video inputs.		
28 21 00 00-0704 Video Equalizing Amplifiers (28 21 00 00-0700)		
28 21 00 00-0705 EA Video Equalizing Amplifier (Pelco EA2010).....	226.67	12.99
28 21 00 00-0706 EA Half-Duplex, Video Equalizing Amplifier (Pelco EA2000).....	353.32	12.99
28 21 00 00-0707 Network Video Equipment (28 21 00 00-0001)		
28 21 00 00-0708 Video Encoders/Decoders (28 21 00 00-0707)		
28 21 00 00-0709 EA MPEG4 IP Video Receiver (Pelco NET300R).....	841.53	25.97
28 21 00 00-0710 EA MPEG4 IP Video Transmitter (Pelco NET300T).....	841.53	25.97
28 21 00 00-0711 EA MPEG4 IP Video Receiver With Audio (Pelco NET350R).....	965.95	25.97
28 21 00 00-0712 EA MPEG4 IP Video Transmitter With Audio And Local Storage (Pelco NET350T).....	965.95	25.97
28 21 00 00-0713 Network Video Recorders (28 21 00 00-0707)		
28 21 00 00-0714 EA 16 Device Or 100MBPS, Network Video Recorder (Pelco NVR316).....	5,233.29	51.95
28 21 00 00-0715 EA 32 Device Or 100MBPS, Network Video Recorder (Pelco NVR332).....	6,087.20	51.95
28 21 00 00-0716 EA 64 Device Or 100MBPS, Network Video Recorder (Pelco NVR364).....	7,796.50	51.95
28 21 00 00-0717 EA 64 Device Or 100MBPS, PelcoNet Network Video Recorder (Pelco NVR300).....	5,168.85	51.95
28 21 00 00-0718 Network Video Recorder Software (28 21 00 00-0707)		
28 21 00 00-0719 EA 10 User, License Pack (Pelco VMX300-LIC-10).....	515.46	
28 21 00 00-0720 EA 20 User, License Pack (Pelco VMX300-LIC-20).....	929.45	
28 21 00 00-0721 EA 50 User, License Pack (Pelco VMX300-LIC-50).....	2,064.05	
28 21 00 00-0722 EA 100 User, License Pack (Pelco VMX300-LIC-100).....	3,610.42	
28 21 00 00-0723 EA 10 User, Enterprise License Pack (Pelco VMX300-E-LIC10).....	860.58	
28 21 00 00-0724 EA 20 User, Enterprise License Pack (Pelco VMX300-E-LIC20).....	1,547.85	
28 21 00 00-0725 EA 50 User, Enterprise License Pack (Pelco VMX300-E-LIC50).....	3,440.09	
28 21 00 00-0726 EA 100 User, Enterprise License Pack (Pelco VMX300-E-LIC100).....	6,018.86	
28 21 00 00-0727 EA 200 User, Enterprise License Pack (Pelco VMX300-E-LIC200).....	10,317.30	
28 21 00 00-0728 EA 500 User, Enterprise License Pack (Pelco VMX300-E-LIC500).....	21,493.69	
28 21 00 00-0729 EA 0 Analog Inputs, No Monitors, Video Management Client Software Installed On Pelco Workstation (Pelco VMX300-CL-0).....	4,659.74	
28 21 00 00-0730 EA 1 Analog Inputs, No Monitors, Video Management Client Software Installed On Pelco Workstation (Pelco VMX300-CL-1).....	4,946.35	
28 21 00 00-0731 EA 4 Analog Inputs, No Monitors, Video Management Client Software Installed On Pelco Workstation (Pelco VMX300-CL-4).....	7,813.22	
28 21 00 00-0732 EA 0 Analog Inputs, No Monitors, Video Management Client/Server Software Installed On Pelco Workstation (Pelco VMX300-CSVR-0).....	5,175.94	
28 21 00 00-0733 EA 1 Analog Input, No Monitors, Video Management Client/Server Software Installed On Pelco Workstation (Pelco VMX300-CSVR-1).....	5,462.55	
28 21 00 00-0734 EA 4 Analog Inputs, No Monitors, Video Management Client/Server Software Installed On Pelco Workstation (Pelco VMX300-CSVR-4).....	8,327.93	
28 21 00 00-0735 EA 0 Analog Inputs, No Monitors, Enterprise Video Management Client Software Installed On Pelco Enterprise Workstation (Pelco VMX300-E-CL-0).....	5,004.12	
28 21 00 00-0736 EA 1 Analog Input, No Monitors, Enterprise Video Management Client Software Installed On Pelco Enterprise Workstation (Pelco VMX300-E-CL-1).....	5,291.47	
28 21 00 00-0737 EA 4 Analog Inputs, No Monitors, Enterprise Video Management Client Software Installed On Pelco Enterprise Workstation (Pelco VMX300-E-CL-4).....	8,157.59	
28 21 00 00-0738 EA 0 Analog Inputs, No Monitors, Enterprise Video Management Client/Server Software Installed On Pelco Enterprise Workstation (Pelco VMX300-E-CSVR-0).....	5,863.22	
28 21 00 00-0739 EA 1 Analog Input, No Monitors, Enterprise Video Management Client/Server Software Installed On Pelco Enterprise Workstation (Pelco VMX300-E-CSVR-1).....	6,149.83	
28 21 00 00-0740 EA 4 Analog Inputs, No Monitors, Enterprise Video Management Client/Server Software Installed On Pelco Enterprise Workstation (Pelco VMX300-E-CSVR-4).....	9,016.69	
28 21 00 00-0741 Video Recording Equipment (28 21 00 00-0001)		
28 21 00 00-0742 Digital Video Recorders (28 21 00 00-0741)		
28 21 00 00-0743 EA 8 Channel, 1 TB Hard Drive, Digital Video Recorder With DVDRW (Pelco DX4608DVD-1000).....	4,216.44	51.95
Note: Includes 8 camera inputs, MPEG4 compression; CIF, 2CIF, 4CIF programmable by channel; 240 IPS; pixel search, 4 audio ins, 1 out; 16 alarms ins, 4 relay outs.		
28 21 00 00-0744 EA 8 Channel, 2 TB Hard Drive, Digital Video Recorder With DVDRW (Pelco DX4608DVD-2000).....	5,691.72	51.95
Note: Includes 8 camera inputs, MPEG4 compression; CIF, 2CIF, 4CIF programmable by channel; 240 IPS; pixel search, 4 audio ins, 1 out; 16 alarms ins, 4 relay outs.		
28 21 00 00-0745 EA 8 Channel, 3 TB Hard Drive, Digital Video Recorder With DVDRW (Pelco DX4608DVD-3000).....	7,166.99	51.95
Note: Includes 8 camera inputs, MPEG4 compression; CIF, 2CIF, 4CIF programmable by channel; 240 IPS; pixel search, 4 audio ins, 1 out; 16 alarms ins, 4 relay outs.		
28 21 00 00-0746 EA 16 Channel, 1 TB Hard Drive, Digital Video Recorder With DVDRW (Pelco DX4616DVD-1000).....	4,831.14	51.95
Note: Includes 16 camera inputs, MPEG4 compression; CIF, 2CIF, 4CIF programmable by channel; 480 IPS; pixel search, 4 audio ins, 1 out; 16 alarms ins, 4 relay outs.		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 21 00 00-0747 EA 16 Channel, 2 TB Hard Drive, Digital Video Recorder With DVDRW (Pelco DX4616DVD-2000).....	6,306.41	51.95
Note: Includes 16 camera inputs, MPEG4 compression; CIF, 2CIF, 4CIF programmable by channel; 480 IPS; pixel search, 4 audio ins, 1 out; 16 alarms ins, 4 relay outs.		
28 21 00 00-0748 EA 16 Channel, 3 TB Hard Drive, Digital Video Recorder With DVDRW (Pelco DX4616DVD-3000).....	7,781.69	51.95
Note: Includes 16 camera inputs, MPEG4 compression; CIF, 2CIF, 4CIF programmable by channel; 480 IPS; pixel search, 4 audio ins, 1 out; 16 alarms ins, 4 relay outs.		
28 21 00 00-0749 EA 8 Channel, 1TB Hard Drive, 8 Channel Audio, Digital Video Recorder With DVD (Pelco DX8108-1000A)	8,184.58	51.95
28 21 00 00-0750 EA 8 Channel, 2 TB Hard Drive, 8 Channel Audio, Digital Video Recorder With DVD (Pelco DX8108-2000A)	11,216.59	51.95
28 21 00 00-0751 EA 8 Channel, 3 TB Hard Drive, 8 Channel Audio, Digital Video Recorder With DVD (Pelco DX8108-3000A)	14,249.35	51.95
28 21 00 00-0752 EA 16 Channel, 1 TB Hard Drive, 16 Channel Audio, Digital Video Recorder With DVD (Pelco DX8116-1000A)	9,850.19	51.95
28 21 00 00-0753 EA 16 Channel, 2 TB Hard Drive, 16 Channel Audio, Digital Video Recorder With DVD (Pelco DX8116-2000A)	12,882.20	51.95
28 21 00 00-0754 EA 16 Channel, 3 TB Hard Drive, 16 Channel Audio, Digital Video Recorder With DVD (Pelco DX8116-3000A)	15,914.96	51.95
28 21 00 00-0755 EA 24 Channel, 1 TB Hard Drive, 24 Channel Audio, Digital Video Recorder With DVD (Pelco DX8124-1000A)	10,766.31	51.95
28 21 00 00-0756 EA 24 Channel, 2 TB Hard Drive, 24 Channel Audio, Digital Video Recorder With DVD (Pelco DX8124-2000A)	13,798.32	51.95
28 21 00 00-0757 EA 24 Channel, 3 TB Hard Drive, 24 Channel Audio, Digital Video Recorder With DVD (Pelco DX8124-3000A)	16,831.08	51.95
28 21 00 00-0758 EA 32 Channel, 1 TB Hard Drive, 32 Channel Audio, Digital Video Recorder With DVD (Pelco DX8132-1000A)	12,431.92	51.95
28 21 00 00-0759 EA 32 Channel, 2 TB Hard Drive, 32 Channel Audio, Digital Video Recorder With DVD (Pelco DX8132-2000A)	15,463.93	51.95
28 21 00 00-0760 EA 32 Channel, 3 TB Hard Drive, 32 Channel Audio, Digital Video Recorder With DVD (Pelco DX8132-3000A)	18,496.69	51.95
28 21 00 00-0761 EA 16 Channel, 30 IPS, Digital Video Recorder (Pelco DX9116F-1500)	9,032.79	51.95
28 21 00 00-0762 Digital Video Recorder Accessories (28 21 00 00-0741)		
28 21 00 00-0763 EA 16 Channel, Multiplexed Analog Output Display Card (Pelco DX8000-MUX16).....	814.87	25.97
28 21 00 00-0764 Matrix Systems And Controls (28 21 00 00-0001)		
28 21 00 00-0765 Video Multiplexers (28 21 00 00-0764)		
28 21 00 00-0766 Monochrome Duplex, Video Multiplexers (28 21 00 00-0765)		
28 21 00 00-0767 EA 9 Channel, Monochrome Duplex, Video Multiplexer (Pelco MX4009MD)	1,521.40	51.95
28 21 00 00-0768 EA 16 Channel, Monochrome Duplex, Video Multiplexer (Pelco MX4016MD).....	1,439.19	51.95
28 21 00 00-0769 Color Duplex, Video Multiplexers (28 21 00 00-0765)		
28 21 00 00-0770 EA 4 Channel, Color Duplex, Video Multiplexer (Pelco MX4004CD).....	1,034.82	51.95
28 21 00 00-0771 EA 9 Channel, Color Duplex, Video Multiplexer (Pelco MX4009CD).....	1,953.91	51.95
28 21 00 00-0772 EA 16 Channel, Color Duplex, Video Multiplexer (Pelco MX4016CD).....	2,116.10	51.95
28 21 00 00-0773 Color Simplex, Video Multiplexers (28 21 00 00-0765)		
28 21 00 00-0774 EA 9 Channel, Monochrome Simplex, Video Multiplexer (Pelco MX4009CS).....	1,645.82	51.95
28 21 00 00-0775 EA 16 Channel, Monochrome Simplex, Video Multiplexer (Pelco MX4016CS).....	1,918.36	51.95
28 21 00 00-0776 Video Multiplexer Accessories (28 21 00 00-0765)		
28 21 00 00-0777 EA Pushbutton/Joystick Desktop Controls For PTZ, Fixed/Variable-Speed, Multiplexer Controller (Pelco KBD4000).....	923.97	35.48
28 21 00 00-0778 EA Pushbutton Desktop Controls For PTZ, Fixed/Variable-Speed, Multiplexer Controller (Pelco KBD4002)	555.15	35.48
28 21 00 00-0779 EA Video Multiplexer Server (Pelco MX4000SVR).....	1,521.40	51.95
28 21 00 00-0780 Quad Video Processor (28 21 00 00-0764)		
28 21 00 00-0781 EA Monochrome, Quad Video Processor (Pelco QD104M)	474.83	25.97
28 21 00 00-0782 EA Color, Quad Video Processor (Pelco QD104C).....	771.07	25.97
28 21 00 00-0783 Switcher (28 21 00 00-0784)		
28 21 00 00-0784 Terminating Manual Switchers (28 21 00 00-0783)		
28 21 00 00-0785 Terminating Manual Switchers (28 21 00 00-0784)		
28 21 00 00-0786 EA 4 Inputs, Terminating Manual Switcher (Pelco MS504DT)	169.68	20.77
28 21 00 00-0787 EA 8 Inputs, Terminating Manual Switcher (Pelco MS508DT)	227.45	20.77
28 21 00 00-0788 EA 12 Inputs, Terminating Manual Switcher (Pelco MS512DT)	274.85	20.77
28 21 00 00-0789 EA 18 Inputs, Terminating Manual Switcher (Pelco MS518DT)	444.45	20.77
28 21 00 00-0790 Audio Follow, Terminating Manual Switchers (28 21 00 00-0784)		
28 21 00 00-0791 EA 4 Inputs, Audio Follow, Terminating Manual Switcher (Pelco MS504AF)	217.08	20.77
28 21 00 00-0792 EA 8 Inputs, Audio Follow, Terminating Manual Switcher (Pelco MS508AF)	376.31	20.77
28 21 00 00-0793 EA 18 Inputs, Audio Follow, Terminating Manual Switcher (Pelco MS518AF)	651.07	20.77
28 21 00 00-0794 Balanced Audio Follow, Terminating Manual Switchers (28 21 00 00-0784)		
28 21 00 00-0795 EA 4 Inputs, Balanced Audio Follow, Terminating Manual Switcher (Pelco MS504BAF).....	287.44	20.77
28 21 00 00-0796 EA 8 Inputs, Balanced Audio Follow, Terminating Manual Switcher (Pelco MS508BAF).....	519.99	20.77
28 21 00 00-0797 Looping Manual Switchers (28 21 00 00-0783)		
28 21 00 00-0798 Looping Manual Switchers (28 21 00 00-0797)		

28 Electronic Safety And Security**28 20 Video Surveillance****28 21 Surveillance Cameras**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 21 00 00-0799 EA 4 Inputs, Looping Manual Switcher (Pelco MS504LDT).....	188.94	20.77
28 21 00 00-0800 EA 8 Inputs, Looping Manual Switcher (Pelco MS508LDT).....	256.33	20.77
28 21 00 00-0801 EA 12 Inputs, Looping Manual Switcher (Pelco MS512LDT).....	324.47	20.77
28 21 00 00-0802 EA 18 Inputs, Looping Manual Switcher (Pelco MS518LDT).....	529.62	20.77
28 21 00 00-0803 Audio Follow, Looping Manual Switchers (28 21 00 00-0797)		
28 21 00 00-0804 EA 4 Inputs, Audio Follow, Looping Manual Switcher (Pelco MS504AFL)	233.38	20.77
28 21 00 00-0805 EA 8 Inputs, Audio Follow, Looping Manual Switcher (Pelco MS508AFL)	401.49	20.77
28 21 00 00-0806 EA 12 Inputs, Audio Follow, Looping Manual Switcher (Pelco MS512AFL)	548.13	20.77
28 21 00 00-0807 Balanced Audio Follow, Looping Manual Switchers (28 21 00 00-0797)		
28 21 00 00-0808 EA 4 Inputs, Balanced Audio Follow, Looping Manual Switcher (Pelco MS504BAFL)	307.44	20.77
28 21 00 00-0809 EA 8 Inputs, Balanced Audio Follow, Looping Manual Switcher (Pelco MS508BAFL)	550.35	20.77
28 21 00 00-0810 EA 12 Inputs, Balanced Audio Follow, Looping Manual Switcher (Pelco MS512BAFL)	690.33	20.77
28 21 00 00-0811 Sequential Switchers (28 21 00 00-0783)		
28 21 00 00-0812 Single Output, Sequential Switchers (28 21 00 00-0811)		
28 21 00 00-0813 EA 4 Inputs, Single Output, Sequential Desktop Switcher (Pelco VA6104).....	325.21	20.77
28 21 00 00-0814 EA 8 Inputs, Single Output, Sequential Desktop Switcher (Pelco VA6108).....	480.74	20.77
28 21 00 00-0815 Dual Outputs, Sequential Switchers (28 21 00 00-0811)		
28 21 00 00-0816 EA 4 Inputs, Dual Outputs, Sequential Desktop Switcher (Pelco VA6204).....	404.45	20.77
28 21 00 00-0817 EA 8 Inputs, Dual Outputs, Sequential Desktop Switcher (Pelco VA6208).....	557.02	20.77
28 21 00 00-0818 Controls (28 21 00 00-0764)		
28 21 00 00-0819 Direct/Multi-Cable Controls (28 21 00 00-0818)		
28 21 00 00-0820 EA Scanner Control Module (Pelco MPS524DT)	293.48	51.95
28 21 00 00-0821 EA 120 Volt AC Pan/Tilt Control Module (Pelco MPT115DT)	312.00	51.95
28 21 00 00-0822 EA 24 Volt AC Pan/Tilt Control Module (Pelco MPT24DT)	343.84	51.95
28 21 00 00-0823 EA Motorized Zoom Lens Control Module (Pelco MLZ6DT).....	358.66	51.95
28 21 00 00-0824 EA 120 Volt AC Pan/Tilt, Scanner And Lens Control Module (Pelco MPTAZ115DT)	554.17	51.95
28 21 00 00-0825 EA 24 Volt AC Pan/Tilt, Scanner And Lens Control Module (Pelco MPTAZ24DT).....	608.24	51.95
28 21 00 00-0826 Coaxitron Controls (28 21 00 00-0818)		
28 21 00 00-0827 EA Desktop Keyboard, Fixed Speed Coaxitron Controller And Transmitter (Pelco KBD9000).....	417.40	35.48
28 21 00 00-0828 EA 8 Position Joystick Pan/Tilt Controls, Switch Camera Lens Controls, Desktop Coaxitron Controller And Transmitter (Pelco MPT9000).....	766.23	35.48
28 21 00 00-0829 EA Integral Switcher, 8 Position Joystick Pan/Tilt Controls, Switch Camera Lens Controls, Desktop Coaxitron Controller And Transmitter (Pelco MPT9008).....	866.21	35.48
28 21 00 00-0830 Digital Controls (28 21 00 00-0818)		
28 21 00 00-0831 EA Pushbutton Desktop Controls For Pan/Tilt/Zoom, Fixed/Variable-Speed, Digital Controller (Pelco KBD200A).....	551.45	35.48
28 21 00 00-0832 EA Pushbutton/Joystick Desktop Controls For Pan/Tilt/Zoom, Fixed/Variable-Speed, Digital Controller (Pelco KBD300A).....	916.57	35.48
28 21 00 00-0833 Lock Boxes (28 21 00 00-0764)		
28 21 00 00-0834 EA VCR Lock Box (Pelco LB1000).....	336.39	38.96
For Wall Mount, Add	165.00	
28 21 00 00-0835 EA Computer Disk Drive Lock Box (Pelco LB2000)	343.80	38.96
28 21 00 00-0836 EA VCR And Multiplexer Lock Box (Pelco LB3000)	617.82	38.96
Note: Includes storage for 32 VCR tapes.		
28 40 Life Safety (28)		
Note: Includes testing of new devices and certification.		
28 42 Gas Detection and Alarm (28 40)		
28 42 00 00-0001 Monitoring System For Underground Tanks (28 42)		
28 42 00 00-0002 Continuous Leak Detection System (28 42 00 00-0001)		
Note: Includes calibration, electronic control module and probes. Excludes sample wells, electrical power supply and sensor cable.		
28 42 00 00-0003 EA Single Channel Underground Tank Monitoring System	3,385.50	425.41
28 42 00 00-0004 EA 2 Channel Underground Tank Monitoring System	4,559.49	567.56
28 42 00 00-0005 EA 3 Channel Underground Tank Monitoring System	6,210.66	608.03
28 42 00 00-0006 EA 4 Channel Underground Tank Monitoring System	6,907.45	850.82
28 42 00 00-0007 EA Control Panel, 1-8 Tanks, Single Wall Tank Monitoring System.....	4,205.22	72.63
28 42 00 00-0008 EA Control Panel, 1-4 Tanks, Double Wall Tank Monitoring System.....	3,791.45	64.85
28 42 00 00-0009 EA Control Panel, 1-8 Tanks, Double Wall Tank Monitoring System.....	4,970.03	72.63
28 42 00 00-0010 EA Tank Leak Detection Probe	1,529.93	15.57



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 42 00 00-0011 EA Secondary Containment Collar Probe	192.10	6.22
28 42 00 00-0012 EA Interstitial Leak Detection Probe	354.03	12.97
28 42 00 00-0013 EA Liquid Phase Detection	1,163.54	38.91
28 42 00 00-0014 EA Hydrocarbon Vapor, Fixed	1,077.70	38.91
28 42 00 00-0015 EA Hydrocarbon Vapor, Float Mounted	1,254.30	44.10
28 42 00 00-0016 EA Liquid And Vapor Hydrocarbon	1,425.99	44.10
28 42 00 00-0017 Hydrogen Gas Detection (28 42)		
28 42 00 00-0018 EA Hydrogen Gas Detector Sensor, 1% Fan Relay, 2% Alarm (SBS HGDI-DR)	1,039.33	38.96
28 42 00 00-0019 EA Hydrogen Gas Detector Junction Box (SBS HGDI-JB)	63.57	12.99
28 42 00 00-0020 EA Remote Display With 25' Cable For Hydrogen Gas Detector (SBS HGDI-REM)	287.39	38.96
28 43 Fuel Oil Detection And Alarm (28 40)		
See CSI section 28 42 00 00-0000 for detection and alarms.		
28 46 Fire Detection And Alarm (28 40)		
28 46 11 Fire Sensors and Detectors (28 46)		
28 46 11 11 Linear Heat Detection Sensors (28 46 11)		
28 46 11 11-0001 Protectowire Fire Alarm (28 46 11 11)		
28 46 11 11-0002 Linear Heat Detector Cable (28 46 11 11-0001)		
28 46 11 11-0003 LF Multi-Purpose Linear Heat Detector, EPC Type, 155 To 220 Degree F (Protectowire PHSC-EPC)	3.35	
28 46 11 11-0004 LF Multi-Purpose Linear Heat Detector With Messenger Wire, EPC Type, 155 To 220 Degree F (Protectowire PHSC-EPC-M)	3.59	
28 46 11 11-0005 LF High Performance Linear Heat Detector, XCR Type, 155 To 220 Degree F (Protectowire PHSC-XCR)	3.59	
28 46 11 11-0006 LF High Performance Linear Heat Detector With Messenger Wire, XCR Type, 155 To 220 Degree F (Protectowire PHSC-XCR-M)	3.83	
28 46 11 11-0007 LF Multi-Purpose Linear Heat Detector, XLT Type, 135 Degree F (Protectowire PHSC-XLT)	4.59	
28 46 11 11-0008 LF Multi-Purpose Linear Heat Detector With Messenger Wire, XLT Type, 135 Degree F (Protectowire PHSC-XLT-M)	4.83	
28 46 11 11-0009 EA Flexible Lead Connector For Linear Heat Detector (Protectowire PFL)	50.71	
28 46 11 11-0010 EA Splicing Connector For Linear Heat Detector (Protectowire PWSC)	17.38	
28 46 11 11-0011 EA Cable Tray Clip For Linear Heat Detector (Protectowire CC-2N And CC-2W)	6.87	
28 46 11 11-0012 EA Cable Tray Spring Clip For Linear Heat Detector (Protectowire HPC-2)	6.87	
28 46 11 11-0013 EA Adhesive Cable Mount For Linear Heat Detector (Protectowire EMS-A-CO)	8.02	
28 46 11 11-0014 EA Beam Clamp For Linear Heat Detector (Protectowire BC-2)	12.46	
28 46 11 11-0015 EA Beam Clamp With Polypropylene Clip For Linear Heat Detector (Protectowire BC-3P)	12.78	
28 46 11 11-0016 EA Pipe Mounting Straps Nylon (3/4" to 2" Pipe) (Protectowire PM-3A)	0.86	
28 46 11 11-0017 EA Pipe Mounting Straps Nylon (2-1/2" to 3-1/2" Pipe) (Protectowire PM-3B)	1.16	
28 46 11 11-0018 EA Pipe Mounting Straps Nylon (4" to 6" Pipe) (Protectowire PM-3C)	4.94	
28 46 20 Fire Alarm (28 46)		
28 46 21 33 Fire Detection and Alarm Annunciation Panels and Fire Stations (28 46 20)		
28 46 21 33-0001 Edwards Fire Alarm (28 46 21 33)		
28 46 21 33-0002 EST3 Life Safety And Security Control (28 46 21 33-0001)		
28 46 21 33-0003 EST3 Network (28 46 21 33-0002)		
28 46 21 33-0004 Remote Annunciators (28 46 21 33-0003)		
28 46 21 33-0005 EA Remote LCD Command Module Annunciator (EST3 3-LCDANN)	876.51	77.92
Note: Includes LCD display, CPU and doors. Order surface or semi-flush mount wallbox separately.		
28 46 21 33-0006 EA Six Position Base Annunciator (EST3 3-6ANN)	725.75	77.92
Note: Includes door, CPU card, two annunciator support modules and five blank filler plates. Space provided for up to four Control/Display Modules and one 3-LCD Liquid Crystal Display Module.		
28 46 21 33-0007 EA Ten Position Base Annunciator (EST3 3-10ANN)	901.55	77.92
Note: Includes door, CPU card, two annunciator support modules and nine blank filler plates. Space provided for up to eight Control/Display Modules and one 3-LCD Liquid Crystal Display Module.		
28 46 21 33-0008 EA Annunciator CPU (EST3 3-ANNCPU3)	597.07	77.92
Note: One Required per graphic annunciator.		
28 46 21 33-0009 EA Annunciator Support Module (EST3 3-ANNSM)	119.09	25.97
Note: Takes one space in Annunciator box. Supports one Control/Display module.		
28 46 21 33-0010 EA Liquid Crystal Display Module (EST3 3-LCD)	405.95	77.92
Note: Mounts over 3-CPU(1).		
28 46 21 33-0011 EA Liquid Crystal Display Module (EST3 3-LCDXL)	419.91	77.92
Note: Mounts over 3-ANNCPU plus two spaces.		
28 46 21 33-0012 EA LED/SWITCH Driver Module Assembly For Third Part Graphics (EST3 3-EVDVRA)	450.01	77.92
Note: Assembled version of 3-EVDVR, comes packaged with cables, mounting hardware installation instructions used for third party graphics. Mounts in 3-EVDVRX.		
28 46 21 33-0013 EA Power Supply Assembly With 19" Rail Mounting Chassis Assembly (EST3 3-EVPWRA)	493.65	51.95
Note: Assembled version of 3-EVPWR, comes packaged with cables, mounting hardware and mounting plate for 3-ANNCPU1. Used for third party graphics.		
28 46 21 33-0014 EA Plastic Mounting Extrusion 19" Mounting (EST3 3-EVDVRX)	89.16	25.97
Note: Mounts up to three 3-EVDVRA modules.		
28 46 21 33-0015 EA Central Processor Unit Module (EST3 3-CPU3)	924.98	77.92
Note: Includes LCD display, CPU and doors. Order surface or semi-flush mount wallbox separately.		

28 Electronic Safety And Security**28 40 Life Safety****28 46 Fire Detection And Alarm**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 21 33-0016 EA Primary Power Supply With Local Rail Module, 120 VAC, 50/60 Hz (EST3 3-CPU3) Note: Includes LCD display, CPU and doors. Order surface or semi-flush mount wallbox separately.	872.85	25.97
28 46 21 33-0017 Remote Annunciators Cabinets (28 46 21 33-0003)		
28 46 21 33-0018 EA Remote LCD Command Module Flush Mount LCD Wallbox (EST3 RLCM/B).....	94.52	25.97
28 46 21 33-0019 EA Remote LCD Command Module Surface Mount LCD Wallbox (EST3 RLCM/B-S).....	84.13	20.77
28 46 21 33-0020 EA Six Position LED/LCD Flush Wallbox (EST3 6ANN/B).....	103.96	25.97
28 46 21 33-0021 EA Six Position LED/LCD Surface Wallbox (EST3 6ANN/B-S).....	93.57	20.77
28 46 21 33-0022 EA Ten Position LED/LCD Flush Wallbox (EST3 10ANN/B).....	112.82	25.97
28 46 21 33-0023 EA Ten Position LED/LCD Surface Wallbox (EST3 10ANN/B-S).....	102.43	20.77
28 46 21 33-0024 Audio And Telephone Masters (28 46 21 33-0003)		
28 46 21 33-0025 EA Audio Source Unit With Local Microphone And Firefighters' Telephone (EST3 3-ASU/FT).....	2,737.47	103.89
28 46 21 33-0026 EA Audio Source Unit With Local Microphone (Provides Four Local Rail Spaces) (EST3 3-ASU/4).....	1,560.91	103.89
28 46 21 33-0027 EA Audio Source Unit With Local Microphone And Inner Door Filler Plate (EST3 3-ASU).....	1,465.32	103.89
28 46 21 33-0028 EA Fire Fighters Telephone Control Unit With Inner Door Filler Plate (EST3 3-FTCU).....	1,480.02	103.89
28 46 21 33-0029 EA Audio Source Unit Memory Expansion, 100 Minutes (EST3 3-ASUMX/100).....	1,678.53	103.89
28 46 21 33-0030 EA Zoned Audio Amplifier Module (EST3 3-ZA95).....	1,535.66	51.95
28 46 21 33-0031 Battery Distribution Unit (28 46 21 33-0003)		
28 46 21 33-0032 EA Battery Distribution Unit (EST3 3-BTSEN).....	375.47	271.56
28 46 21 33-0033 Remote Booster Power Supply (28 46 21 33-0003)		
28 46 21 33-0034 EA 6.5 Amp, 120 VAC, Booster Power Supply (EST3 BPS6A).....	523.56	77.92
28 46 21 33-0035 EA 10 Amp, 110 VAC Booster Power Supply (EST3 BPS10).....	588.99	77.92
28 46 21 33-0036 EA 10 Amp, 220 VAC Booster Power Supply (EST3 BPS10220).....	637.20	77.92
28 46 21 33-0037 EA Tamper Switch - For CAB7, 14 And 21 Series Cabinets (EST3 3-TAMP).....	96.10	25.97
28 46 21 33-0038 Batteries And Battery Cabinets (28 46 21 33-0003)		
28 46 21 33-0039 EA 1.2 Amp Hours Sealed Lead Acid Battery - 12 VDC (EST3 12V1A2 (1.2 Amp Hours)).....	78.13	25.97
28 46 21 33-0040 EA 4 Amp Hours Sealed Lead Acid Battery - 12 VDC (EST3 12V4A (4.5 Amp Hours)).....	92.35	25.97
28 46 21 33-0041 EA 24 Amp Hours Sealed Lead Acid Battery - 12 VDC (EST3 12V24A (26 Amp Hours)).....	190.41	25.97
28 46 21 33-0042 EA 6.5 Amp Hours Sealed Lead Acid Battery - 12 VDC (EST3 12V6A5 (7.2 Amp Hours)).....	98.04	25.97
28 46 21 33-0043 EA 40 Amp Hours Sealed Lead Acid Battery - 12 VDC (EST3 12V40A (40 Amp Hours)).....	235.94	25.97
28 46 21 33-0044 EA 10 Amp Hours Sealed Lead Acid Battery - 12 VDC (EST3 12V10A (11 Amp Hours)).....	141.70	25.97
28 46 21 33-0045 EA 50 Amp Hours Sealed Lead Acid Battery - 12 VDC (EST3 12V50A (50 Amp Hours)).....	457.73	25.97
28 46 21 33-0046 EA 17 Amp Hours Sealed Lead Acid Battery - 12 VDC (EST3 12V17A (18 Amp Hours)).....	144.63	25.97
28 46 21 33-0047 EA 65 Amp Hours Sealed Lead Acid Battery - 12 VDC (EST3 12V65A (65 Amp Hours)).....	546.92	25.97
28 46 21 33-0048 EA 8.0 Amp Hours Sealed Lead Acid Battery - 6 VDC (EST3 6V8A (8 Amp Hours)).....	89.58	25.97
28 46 21 33-0049 EA 10 Amp Hours Sealed Lead Acid Battery - 6 VDC (EST3 6V10A (12 Amp Hours)).....	82.48	25.97
28 46 21 33-0050 EA Battery Cabinet, 14.0" x 18.25" x 7.25" Free Standing Cabinet With Key Lock (EST3 BC-1)..... Note: Supports up to 40 Ah batteries will hold up to two 12V24A batteries.	262.47	51.95
28 46 21 33-0051 EA Battery Cabinet, Gray 22" X 15" X 3.75" (EST3 BC-2)..... Note: Holds up to two 12V17A batteries.	224.18	51.95
28 46 21 33-0052 EA Remote Closet Enclosure (EST3 3-RCC7R).....	707.91	103.89
28 46 21 33-0053 EA Remote Closet Enclosure (EST3 3-RCC14R).....	858.62	103.89
28 46 21 33-0054 EA Remote Closet Enclosure (EST3 3-RCC21R).....	1,171.15	103.89
28 46 21 33-0055 Serial Printer (28 46 21 33-0003)		
28 46 21 33-0056 EA System Printer - Desk Top Style (EST3 PT-1S).....	869.03	25.97
28 46 21 33-0057 Intelligent Analog Initiating Devices (28 46 21 33-0002)		
28 46 21 33-0058 Detectors, Signature (28 46 21 33-0057)		
28 46 21 33-0059 EA Intelligent 4D Multisensor Detector - Ionization, Photoelectric, Heat (EST3 SIGA-IPHS).....	163.65	38.96
28 46 21 33-0060 EA Intelligent 4D Multisensor Detector, Black - Ionization, Photoelectric, Heat (EST3 SIGA-IPHSB).....	180.20	38.96
28 46 21 33-0061 EA Intelligent 3D Multisensor Detector - Photoelectric, Heat (EST3 SIGA-PHS).....	158.72	38.96
28 46 21 33-0062 EA Intelligent Photoelectric Smoke Detector (EST3 SIGA-PS).....	143.94	38.96
28 46 21 33-0063 EA Intelligent Ionization Smoke Detector (EST3 SIGA-IS).....	148.86	38.96
28 46 21 33-0064 EA Intelligent Fixed Temperature / Rate-of-Rise Heat Detector - 135F, 15F Per Minute (EST3 SIGA-HRS).....	127.45	38.96
28 46 21 33-0065 EA Intelligent Fixed Temperature Heat Detector - 135 Degree F (EST3 SIGA-HFS).....	127.45	38.96
28 46 21 33-0066 EA Passive Infrared Motion Detector (EST3 SIGA-MD).....	184.60	38.96
28 46 21 33-0067 EA Passive Infrared Motion Detector With Swivel Mount For Single Gang Boxes (EST3 SIGA-MDS).....	200.75	38.96
28 46 21 33-0068 EA Intelligent Photoelectric Smoke Detector (EST3 SIGA2-PS).....	174.12	38.96
28 46 21 33-0069 EA Intelligent Combination Photo Electric And CO Sensor (EST3 SIGA2-PCOS).....	238.28	38.96
28 46 21 33-0070 EA Intelligent Fixed Temperature Heat Detector - 135 Degree F (EST3 SIGA2-HFS).....	150.17	38.96
28 46 21 33-0071 EA Intelligent Fixed Temperature / Rate-of-Rise Heat Detector - 135F, 15F Per Minute (EST3 SIGA2-HRS).....	150.17	38.96
28 46 21 33-0072 EA Intelligent 3D Multisensor Detector - Photoelectric, Heat (EST3 SIGA2-PHS).....	195.68	38.96
28 46 21 33-0073 Detectors, Duct Housings and Accessories, Signature (28 46 21 33-0057)		
28 46 21 33-0074 EA Superduct, Signature Duct Smoke Detector (EST3 SIGA-SD).....	320.35	64.93
28 46 21 33-0075 EA Superduct, Test Magnet Kit (EST3 SD-MAG).....	17.74	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
				28 46 21 33-0076 EA Superduct, 120" Air Sample Tube (EST3 SD-T120).....	47.58	15.59
				28 46 21 33-0077 EA Superduct, Remote Test Station, Keyed, 2-Wire And SIGA (EST3 SD-TRK).....	86.63	20.77
				28 46 21 33-0078 EA Duct Smoke Detector Test Station, 2-Gang Plastic Plate With Key Switch, 2 Keys, Use With Duct Detector Only (EST3 SIGA-DTS)	111.65	20.77
				28 46 21 33-0079 EA High Temp Heat Detector, 194 Degree F, Combination Rate-Of-Rise And Fixed Temperature (EST3 282B-PL).....	58.09	20.77
28 46 21 33-0080				Detectors, Smoke, Beam <small>(28 46 21 33-0057)</small>		
				28 46 21 33-0081 EA Fireray 2000 Beam Alignment Aid, For Quick Alignment Of Beam Detector Transmitter And Receiver Heads (EST3 0201-01-A)	100.17	
				28 46 21 33-0082 EA Fireray 2000 Beam Smoke Detector (By Fire Fighting Enterprises) (EST3 22310-18-01).....	1,160.91	38.96
				Note: Includes controller and remote mount transmitter and receiver head.		
				28 46 21 33-0083 EA Fireray 2000 Beam Detector Prism, Use To Reflect Beam When Mounting Transmitter And Receiver Heads On Same Wall (EST3 23901-00).....	76.75	12.99
				28 46 21 33-0084 EA Replacement Reflector, For EC-50R/-100R Reflective Beam Detectors (EST3 23901-01).....	89.41	12.99
				28 46 21 33-0085 EA 160 - 330' Reflective Beam Detector (EST3 EC-100R)	1,177.31	38.96
				28 46 21 33-0086 EA 15 - 160' Reflective Beam Detector (EST3 EC-50R)	1,008.17	38.96
				28 46 21 33-0087 EA Remote Test Station, For EC-50R/-100R Reflective Beam Detectors (EST3 EC-LLT)	237.44	12.99
				28 46 21 33-0088 EA 160 - 330' Self Adjusting Reflective Beam Detector (EST3 EC-5000R).....	1,239.67	38.96
28 46 21 33-0089				Modules, Signature <small>(28 46 21 33-0057)</small>		
				28 46 21 33-0090 EA Universal Class A/B Module - UIO Mount (EST3 SIGA-MAB)	145.91	25.97
				28 46 21 33-0091 EA Class B Single Input Module (One Gang Standard Mount) (EST3 SIGA-CT1).....	102.25	25.97
				28 46 21 33-0092 EA Class B Dual Input Module (One Gang Standard Mount) (EST3 SIGA-CT2)	137.68	25.97
				28 46 21 33-0093 EA Class B Dual Input UIO (Plug In) Module (EST3 SIGA-MCT2)	132.72	25.97
				28 46 21 33-0094 EA Single Input (Riser) Module, Features A Built-In Ring Tone Generator, Use For Switching A Single Signal Or Audio Circuit (EST3 SIGA-CC1)	126.19	25.97
				28 46 21 33-0095 EA Dual Input (Riser) Module, Use For Switching (Selecting) Either Of Two Signal Or Audio Input Circuits To One Signal Output Circuit (EST3 SIGA-CC2)	147.61	25.97
				28 46 21 33-0096 EA Control Relay Module (One Gang Standard Mount) (EST3 SIGA-CR)	121.19	25.97
				Note: Select for either N.O. or N.C. operation. Rated at 2 amps (24Vdc).		
				28 46 21 33-0097 EA Control Relay UIO (Plug In) Module (EST3 SIGA-MCR)	117.97	25.97
				28 46 21 33-0098 EA Single Input (Riser) Module With Strobe Synchronization Output (EST3 SIGA-CC1S)	150.92	25.97
				28 46 21 33-0099 EA Universal Input/Output Module - Input With Programmable Output (EST3 SIGA-IO)	147.61	25.97
				28 46 21 33-0100 EA Input/Output Module - UIO Mount, Multifunction Module With Input And Program (EST3 SIGA-MIO)	142.68	25.97
				28 46 21 33-0101 EA Waterflow/Tamper Module (One Gang Standard Mount) (EST3 SIGA-WTM).....	132.46	106.48
				28 46 21 33-0102 EA Monitor Module (One Gang Standard Mount) (EST3 SIGA-MM1)	102.25	25.97
				Note: Factory programmed for non-latching monitor operation.		
				28 46 21 33-0103 EA Single Input (Riser) Module, With Synchronization Output (EST3 SIGA-MCC1S).....	151.56	25.97
28 46 21 33-0104				Module Accessories, Signature <small>(28 46 21 33-0057)</small>		
				Note: Universal I/O motherboards are required for UIO plug-in modules. Module mounting plates can be used to mount multiple 1 & 2-gang modules.		
				28 46 21 33-0105 EA Module Mounting Bracket - For 4" Square Box, Mounting Kit Allows Installing 2 Single Gang Signature Modules Into A Single 4" Square Box (EST3 SIGA-MB4).....	42.53	12.99
				28 46 21 33-0106 EA Universal Input/Output Module Motherboard - 6 Position, Use For M Series Modules (EST3 SIGA-UIO6).....	131.12	25.97
				28 46 21 33-0107 EA Transient Protector - For Bell And Horn Circuits, Provides Transient Protection To -CC1, -MCC1, -CC2, -MCC2, -UM And -MAB Modules (EST3 235196P)	18.05	7.79
				28 46 21 33-0108 EA Signature Module Mounting Plate, 1 Footprint, Space For Up To Four 2-Gang Signature Modules Or Eight 1-Gang Signature Modules (EST3 SIGA-MP1).....	48.23	12.99
				28 46 21 33-0109 EA Signature Module Mounting Plate, 1/2 Footprint, Space For Up To Two 2-Gang Signature Modules Or Four 1-Gang Signature Modules (EST3 SIGA-MP2).....	44.14	12.99
				28 46 21 33-0110 EA Signature Module Mounting Plate, 1/2 Extended Footprint, Space For Up To Three 2-Gang Signature Modules Or Six 1-Gang Signature Modules (EST3 SIGA-MP2L)	45.76	12.99
28 46 21 33-0111				Single Action Pull Stations, Signature <small>(28 46 21 33-0057)</small>		
				28 46 21 33-0112 EA One Stage Fire Alarm Station, English Markings (EST3 SIGA-270).....	178.13	54.03
				28 46 21 33-0113 EA Two Stage (Pre Signal) Fire Alarm Station, English Markings (EST3 SIGA-270P).....	202.86	54.03
				28 46 21 33-0114 EA GA Key - For Pre Signal Station (EST3 276-K2)	22.95	17.76
				28 46 21 33-0115 EA 20 Glass Rods For SIGA-270 Series Stations (EST3 270-GLR)	27.71	22.52
				28 46 21 33-0116 EA Surface Mount Box, Red - For SIGA-270 Series (EST3 276B-RSB)	52.24	31.45
28 46 21 33-0117				Double Action Pull Stations, Signature <small>(28 46 21 33-0057)</small>		
				28 46 21 33-0118 EA Double Action (One Stage) Fire Alarm Station, English Markings (EST3 SIGA-278)	183.06	54.03
				28 46 21 33-0119 EA 12 Glass Rods For SIGA-278 Series (EST3 276-GLR)	28.06	5.20
28 46 21 33-0120				Detector Bases and Accessories, Signature <small>(28 46 21 33-0057)</small>		
				Note: For raised floor and plenum applications. Order detector mounting base and detector separately. Compatible with -PS, and -PHS detectors and -SB, -RB and -IB bases.		
				28 46 21 33-0121 EA Audible (Sounder) Base (EST3 SIGA-AB4G)	79.11	12.99
				28 46 21 33-0122 EA Surface Box - For Sounder Base, Use With -AB4G Models Only (EST3 AB4G-SB)	35.91	12.99
				28 46 21 33-0123 EA Audible (Sounder) Base, Mounts To 4" Square, 2-1/8" Deep Box (EST3 SIGA-AB4).....	96.27	12.99
				28 46 21 33-0124 EA Detector (Smoke) Guard, Covers Detectors Mounted To Flush Boxes, Compatible With -IPHS And -PS Signature Detectors (EST3 SIGA-DG).....	59.01	12.99
				28 46 21 33-0125 EA Detector (Smoke) Guard Surface Box - For SIGA-DG (EST3 SIGA-DGSB)	67.25	12.99

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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 21 33-0126 EA Detector Mounting Plate (EST3 SIGA-DMP)100.21 Note: For raised floor and plenum applications. Order detector mounting base and detector separately. Compatible with -PS, -PHS and -IPHS detectors and -SB, -RB and -IB bases. SIGA-IPHS 4D detector is limited to operation in air velocities less than 500 feet per minute.	100.21	12.99
28 46 21 33-0127 EA Remote Alarm LED, Use With -SB And -SB4 Standard Base Only (EST3 SIGA-LED)	42.53	12.99
28 46 21 33-0128 EA Trim Skirt/Ring - For Octagon Box (EST3 SIGA-TS)	18.13	7.79
28 46 21 33-0129 EA Trim Skirt/Ring - For 4" Square Box, Use To Hide Imperfections Around Electric Boxes Not Completely Hidden By Standard Bases, With All 4" Bases (EST3 SIGA-TS4)	18.13	7.79
28 46 21 33-0130 EA Detector (Smoke) Guard Mounting Flange, Provides Secure Mounting While Offering Easy Guard Removal, With Tamper Hardware (EST3 SIGA-DGMF)	40.39	7.79
28 46 21 33-0131 EA Detector Base With Isolator (EST3 SIGA-IB).....	66.41	12.99
28 46 21 33-0132 EA Detector Base With Isolator - For 4" Square Box, With TS4 Skirt (EST3 SIGA-IB4).....	69.94	12.99
28 46 21 33-0133 EA Detector Base With Form 'C' Relay (EST3 SIGA-RB).....	60.25	12.99
28 46 21 33-0134 EA Detector Base With Form 'C' Relay - For 4" Square Box, With TS4 Skirt (EST3 SIGA-RB4)	60.25	12.99
28 46 21 33-0135 EA Detector Base - Standard, For 4" Square Box, With TS4 Skirt (EST3 SIGA-SB4).....	37.14	12.99
28 46 21 33-0136 Controllers, Signature <small>(28 46 21 33-0057)</small>		
28 46 21 33-0137 EA Signature Dual Driver Controller (EST3 3-SDDC1).....	1,967.63	77.92
28 46 21 33-0138 EA Single Signature Loop Controller (EST3 3-SSDC1).....	1,154.27	77.92
28 46 21 33-0139 EA Signature Loop Controller (EST3 3-SDC1).....	1,043.25	77.92
28 46 21 33-0140 EA Analog Addressable Loop Controller (EST3 3-AADC1).....	1,634.86	77.92
28 46 21 33-0141 Relays And Accessories <small>(28 46 21 33-0057)</small>		
28 46 21 33-0142 EA Multi Voltage Relay (EST3 MR101)	121.79	25.97
28 46 21 33-0143 EA Single SPDT Auxiliary Relay With LED Track Mounting (EST3 MR101/T).....	40.44	12.99
28 46 21 33-0144 Notification Appliances <small>(28 46 21 33-0002)</small>		
28 46 21 33-0145 Wall Strobes, Horns And Chimes <small>(28 46 21 33-0144)</small>		
28 46 21 33-0146 EA Strobe (15, 30, 75, Or 110 cd Output), White (EST3 G1-VM).....	113.16	38.96
28 46 21 33-0147 EA Strobe (15, 30, 75, Or 110 cd Output), Red (EST3 G1R-VM).....	113.16	38.96
28 46 21 33-0148 EA Horn-Strobe (15, 30, 75, Or 110 cd Output, High Or Low dB Output), White (EST3 G1-HDVM)	124.64	38.96
28 46 21 33-0149 EA Temporal Horn (Selectable High Or Low dB Output), White (EST3 G1-HD)	100.23	38.96
28 46 21 33-0150 EA Temporal Horn (Selectable High Or Low dB Output), Red (EST3 G1R-HD).....	100.23	38.96
28 46 21 33-0151 EA Temporal Horn, Hi/Lo dB Output, 24 VDC, White, With The Word "FIRE" On Housing (EST3 G1F-HD).....	100.23	38.96
28 46 21 33-0152 EA Temporal Horn, Hi/Lo dB Output, 24 VDC, Red, With The Word "FIRE" On Housing (EST3 G1RF-HD).....	100.23	38.96
28 46 21 33-0153 EA Horn (Steady Tone), 24 VDC, White, Not Compatible With Signal Master (EST3 G1-P).....	89.36	38.96
28 46 21 33-0154 EA Horn (Steady Tone) - 24 VDC, Red, Not Compatible With Signal Master (EST3 G1R-P)	89.36	38.96
28 46 21 33-0155 EA Horn (Steady Tone), 24 VDC, Red, With The Word "FIRE" On Housing, Not Compatible With Signal Master (EST3 G1RF-P).....	89.36	38.96
28 46 21 33-0156 EA Genesis Chime-Strobe (15, 30, 75, Or 110 cd Output, High Or Low dB Output), White (EST3 G1-CVM).....	171.49	38.96
28 46 21 33-0157 EA Genesis Chime-Strobe (15, 30, 75, Or 110 cd Output, High Or Low dB Output), Red (EST3 G1R-CVM).....	171.49	38.96
28 46 21 33-0158 EA Genesis Chime (Selectable High Or Low dB Output), White (EST3 G1-C).....	123.24	38.96
28 46 21 33-0159 EA Genesis Chime (Selectable High Or Low dB Output), Red (EST3 G1R-C).....	123.24	38.96
28 46 21 33-0160 EA Wall Strobe, 15/75 cd, White, With The Word "FIRE" On Housing (EST3 G1F-V1575)	113.16	38.96
28 46 21 33-0161 EA Multi-cd Strobe, 24 VDC, White, With The Word "FIRE" On Housing (EST3 G1F-VM)	113.16	38.96
28 46 21 33-0162 EA Multi-Candela Strobe, 24 VDC, Red, With The Word "FIRE" On Housing (EST3 G1RF-VM)	113.16	38.96
28 46 21 33-0163 EA Wall Strobe, 15/75 cd, Red, With The Word "FIRE" On Housing (EST3 G1RF-V1575)	113.16	38.96
28 46 21 33-0164 EA Genesis Ceiling Strobe, 15-95 Multi-cd, FIRE Marking, Mounts To 4" Square x 2-1/8" Box (EST3 GCF-VM)	116.39	38.96
28 46 21 33-0165 EA Genesis Ceiling Strobe, 15-95 Multi-cd, FIRE Marking, Mounts To 4" Square x 2-1/8" Box (EST3 GCFR-VM).....	116.39	38.96
28 46 21 33-0166 EA Genesis Ceiling Strobe, 95-177 Multi-cd, FIRE Marking, Mounts To 4" Square x 2-1/8" Box (EST GCF-VMH).....	123.94	38.96
28 46 21 33-0167 EA Genesis Ceiling Strobe, 15-95 Multi-cd, Mounts To 4" Square x 2-1/8" Box (EST3 GC-VM)	116.39	38.96
28 46 21 33-0168 EA Genesis Ceiling Strobe, 95-177 Multi-cd, Mounts To 4" Square x 2-1/8" Box (EST3 GC-VMH)	116.39	38.96
28 46 21 33-0169 EA Genesis Trim Plate (For Two-Gang Or 4" Square Boxes) With "FIRE" Markings, White (EST3 G1T-FIRE)	82.30	38.96
28 46 21 33-0170 EA Genesis Trim Plate (For Two-Gang Or 4" Square Boxes) With "FIRE" Markings, Red (EST3 G1RT-FIRE)	82.30	38.96
28 46 21 33-0171 Wall Speakers And Speaker Strobes <small>(28 46 21 33-0144)</small>		
28 46 21 33-0172 EA Multi-Wattage 25 VRMS Speaker (EST3 G4-S2).....	99.26	38.96
28 46 21 33-0173 EA Multi-Candela/Wattage 25 VRMS Speaker-Strobe (EST3 G4-S2VM)	135.66	38.96
28 46 21 33-0174 EA Multi-Wattage 70 VRMS Speaker (EST3 G4-S7).....	99.26	38.96
28 46 21 33-0175 EA Multi-Candela/Wattage 70 VRMS Speaker-Strobe (EST3 G4-S7VM)	135.66	38.96
28 46 21 33-0176 EA Surface Box, White, For Genesis Speaker (EST3 G4B).....	50.43	20.77
28 46 21 33-0177 EA Surface Box, Red, For Genesis Speaker (EST3 G4RB).....	50.43	20.77
28 46 21 33-0178 Ceiling Speakers And Speaker Strobes <small>(28 46 21 33-0144)</small>		
28 46 21 33-0179 EA Genesis Ceiling Speaker, 70 VRMS, Mounts To 4" Square x 2-1/8" Box (EST3 GC-S7).....	112.46	38.96
28 46 21 33-0180 EA Genesis Ceiling Speaker/Strobe, 70 VRMS, 15-95 Multi-cd, Mounts To 4" Square x 2-1/8" Box (EST3 GC-S7VM).....	135.66	38.96
28 46 21 33-0181 EA Genesis Ceiling Speaker/Strobe, 70 VRMS, 95-177 Multi-cd, Mounts To 4" Square x 2-1/8" Box (EST3 GC- S7VMH).....	143.01	38.96
28 46 21 33-0182 Harsh Environment Signals <small>(28 46 21 33-0144)</small>		
28 46 21 33-0183 EA Temporal Horn, Self-Synchronized, 24 VDC (EST3 757-1A-T)	103.42	38.96
28 46 21 33-0184 EA 15/75 Candela Temporal Horn/Strobe, 24 VDC (EST3 757-7A-T)	132.40	38.96
28 46 21 33-0185 EA 110 Candela Temporal Horn/Strobe, 24 VDC (EST3 757-8A-T)	132.40	38.96
28 46 21 33-0186 EA 15 Candela Synchronized, 24 VDC, Strobe (EST3 405-5A-T).....	123.78	38.96



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 21 33-0187 EA 15/75 Candela Synchronized, 24 VDC, Strobe (EST3 405-7A-T).....	118.06	38.96
28 46 21 33-0188 EA 30 Candela Synchronized, 24 VDC, Strobe (EST3 405-3A-T)	123.78	38.96
28 46 21 33-0189 EA 60 Candela Synchronized, 24 VDC, Strobe (EST3 405-6A-T)	123.78	38.96
28 46 21 33-0190 EA 110 Candela Synchronized, 24 VDC, Strobe (EST3 405-8A-T).....	123.78	38.96
28 46 21 33-0191 EA 15/75 Candela Synchronized, 24 VDC, Red, Outdoor Listed, Strobe (EST3 CS405-7A-T).....	137.73	44.16
28 46 21 33-0192 EA 110 Candela Synchronized, 24 VDC, Red, Outdoor Listed, Strobe (EST3 CS405-8A-T).....	137.73	44.16
28 46 21 33-0193 EA 15 Candela Temporal Horn/Strobe, 24 VDC (EST3 757-5A-T)	106.94	38.96
28 46 21 33-0194 EA 30 Candela Temporal Horn/Strobe, 24 VDC (EST3 757-3A-T)	129.70	38.96
28 46 21 33-0195 Fire Alarm Bells <small>(28 46 21 33-0144)</small>		
28 46 21 33-0196 EA 10" Single Stroke Fire Alarm Bells, 24 VDC (EST3 323D-10AW).....	140.44	38.96
28 46 21 33-0197 EA 6" Vibrating Fire Alarm Bells, 24 VDC (EST3 439D-6AW).....	118.80	38.96
28 46 21 33-0198 EA 10" Vibrating Fire Alarm Bells, 24 VDC (EST3 439D-10AW).....	128.03	38.96
28 46 21 33-0199 Multiple Tone Signal <small>(28 46 21 33-0144)</small>		
28 46 21 33-0200 EA 27 Tone Selectable Signal, 24 VDC (EST3 5530MD-24AW).....	727.27	688.31
28 46 21 33-0201 Multi-Purpose Loudspeaker <small>(28 46 21 33-0144)</small>		
28 46 21 33-0202 EA 15 Watt Loudspeaker, Gray (EST3 HPSA15G2570)	174.95	38.96
28 46 21 33-0203 EA 15 Watt Loudspeaker, Red (EST3 HPSA15R2570).....	174.95	38.96
28 46 21 33-0204 Bell/Strobe Plate <small>(28 46 21 33-0144)</small>		
28 46 21 33-0205 EA Bell/Strobe Plate - 15cd (EST3 403-5A-R).....	89.38	20.77
28 46 21 33-0206 Mounting Accessories <small>(28 46 21 33-0144)</small>		
28 46 21 33-0207 EA Surface Mount Box - Indoor, Red, 1-Gang (EST3 27193-11)	51.10	20.77
28 46 21 33-0208 EA One Gang Surface Mount Box, Red, No Bottom KO (EST3 27193-11-NY).....	51.10	20.77
28 46 21 33-0209 EA Surface Mount Box - Indoor, White, 1-Gang (EST3 27193-16).....	51.10	20.77
28 46 21 33-0210 EA Surface Mount Box - Indoor, Red, 2-Gang (EST3 27193-21)	51.10	20.77
28 46 21 33-0211 EA Surface Mount Box - Indoor, White, 2-Gang (EST3 27193-26).....	51.10	20.77
28 46 21 33-0212 Firefighters' Telephones <small>(28 46 21 33-0144)</small>		
28 46 21 33-0213 EA Remote Telephone Warden Station - Flush, Red, 5' Armored Cable, Hinged Door With Magnetic Latch, 4-State (EST3 6830-NY-F4).....	676.08	64.93
28 46 21 33-0214 EA Four State Remote Telephone Warden Station - Surface, Armored Cord (EST3 6830-NY-S4)	402.98	64.93
28 46 21 33-0215 EA Remote Telephone Warden Station - Flush, Armored Cord (EST3 6830-NY-F).....	304.63	64.93
28 46 21 33-0216 EA Telephone Handset Assembly - Red c/w 60" Coiled Cord (EST3 6830-1)	236.07	64.93
28 46 21 33-0217 EA Remote Telephone Handset Station - 4-State, Red, 5' Coiled Cord (EST3 6830-4).....	390.74	64.93
28 46 21 33-0218 EA Three State Telephone Handset Assembly - Red, 60" Coiled Cord, Push To Talk Button (EST3 6830-5A)	260.54	64.93
28 46 21 33-0219 EA Remote Telephone Handset Station - 4-State, Red, 'Push To Talk' Button, 5' Coiled Cord (EST3 6830-5A-4)	434.08	64.93
28 46 21 33-0220 EA Three State Telephone Handset Assembly - Red, 60" Armored Cord, Push To Talk Button (EST3 6830-6A)	268.70	64.93
28 46 21 33-0221 EA Remote Telephone Handset Station - 4-State, Red, 'Push To Talk' Button, 5' Armored Cable (EST3 6830-6A-4)	489.58	64.93
28 46 21 33-0222 EA Portable Handset Receptacle, 1 Gang Stainless Steel Faceplate (EST3 6833-1)	64.45	20.77
28 46 21 33-0223 EA Portable Telephone Receptacle - 1-Gang, SS, 4-State (EST3 6833-4)	71.55	20.77
28 46 21 33-0224 EA Portable Telephone Handset - Black, Coiled Cord (EST3 6830-3)	81.02	
28 46 21 33-0225 EA Portable Telephone Handset - Red, Coiled Cord (EST3 6700-0061)	81.02	
28 46 21 33-0226 EA Frontplate - Flush Mount, Red Finish, Break Glass Type, With Two Keys (EST3 6831-1)	137.15	25.97
28 46 21 33-0227 EA Frontplate - Flush Mount, Red Finish, Non Break Glass Type With Two Keys (EST3 6831-2)	165.41	25.97
28 46 21 33-0228 EA Frontplate - Surface Mount, Red Finish, Break Glass Type, With Two Keys (EST3 6831-3)	123.02	25.97
28 46 21 33-0229 EA Frontplate - Surface Mount, Red Finish, Non Break Glass Type, With Two Keys (EST3 6831-4).....	118.87	25.97
28 46 21 33-0230 EA Wallbox - Flush Or Surface Mount, Red Finish, 14" x 8-1/2" x 3-1/2" (EST3 6832-1).....	103.74	38.96
28 46 21 33-0231 EA Portable Handset Storage Cabinet, Surface Mount, With Keylock, Red Finish (EST3 TCS-6).....	685.77	51.95
28 46 21 33-0232 Mass Notification EC Appliances <small>(28 46 21 33-0144)</small>		
28 46 21 33-0233 EA G1 Wall, Strobe, White Housing, Alert Markings, Amber Lens (EST3 G1WA-VMA)	116.41	38.96
28 46 21 33-0234 EA G1 Wall, Strobe, White Housing, Alert Markings, Clear Lens (EST3 G1WA-VMC)	113.48	38.96
28 46 21 33-0235 EA G1 Wall, Strobe, White Housing, No Markings, Amber Lens (EST3 G1WN-VMA)	116.41	38.96
28 46 21 33-0236 EA G1 Wall, Strobe, White Housing, No Markings, Clear Lens (EST3 G1WN-VMC).....	113.48	38.96
28 46 21 33-0237 EA G1 Wall, White Trim Ring, Alert Marking (EST3 G1WT-ALERT)	19.10	7.79
28 46 21 33-0238 Hazardous Location Devices <small>(28 46 21 33-0002)</small>		
28 46 21 33-0239 Detectors, Rate Compensation Heat, For Explosion/Weather/Moisture Proof And Ordinary Location <small>(28 46 21 33-0238)</small>		
28 46 21 33-0240 EA Heat Detector, Rate Compensation, Interior Vertical Surface Mount FM And UL, 135 Degree F (EST3 302-135)	107.06	38.96
28 46 21 33-0241 EA Heat Detector, Rate Compensation, Interior Vertical Surface Mount FM And UL, 194 Degree F (EST3 302-194)	107.06	38.96
28 46 21 33-0242 EA Heat Detector - Rate Compensation, All-Weather Vertical Mounting, FM And UL, 135 Degree F (EST3 302-AW-135)	109.50	38.96
28 46 21 33-0243 EA Heat Detector - Rate Compensation, All-Weather Vertical Mounting, FM And UL, 194 Degree F (EST3 302-AW-194)	109.50	38.96
28 46 21 33-0244 EA Heat Detector, Rate Compensation, Explosion Proof Mounting, Interior Vertical Surface Mount FM And UL, 135 Degree F, Requires JALX-11 Or Equal (EST3 302-EPM-135).....	138.65	38.96

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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 21 33-0245 EA Heat Detector, Rate Compensation, Explosion Proof Mounting, Interior Vertical Surface Mount FM And UL, 194 Degree F, Requires JALX-11 Or Equal (EST3 302-EPM-194)	138.65	38.96
28 46 21 33-0246 EA Heat Detector, Rate Compensation, All-Weather Vertical, Box Mount (1/2" NPT), FM And UL, 135 Degree F, Requires STONCO27 Or Equal (EST3 302-ET-135)	109.50	38.96
28 46 21 33-0247 EA Heat Detector, Rate Compensation, All-Weather Vertical, Box Mount (1/2" NPT), FM And UL, 194 Degree F, Requires STONCO27 Or Equal (EST3 302-ET-194)	109.50	38.96
28 46 21 33-0248 Hazardous Locations Fire Alarm Station (28 46 21 33-0238)		
28 46 21 33-0249 EA Hazardous Location Fire Alarm Station (EST3 XAL53)	713.10	64.93
28 46 21 33-0250 EA Explosion Proof, Weatherproof, Fire Alarm Station, Single Action, Cat 45 Key Reset, Terminal Connections, DPDT (EST3 MPSR1-D45WX-GE)	681.42	64.93
28 46 21 33-0251 Hazardous Location Strobes (28 46 21 33-0238)		
28 46 21 33-0252 EA Explosion Proof Strobe (EST3 116DEXSTC-FJ)	1,012.99	38.96
28 46 21 33-0253 EA Wall Bracket Mounting Elbow (EST3 116EX-B)	193.71	12.99
28 46 21 33-0254 EA Ceiling / Wall Mounting Module (EST3 116EX-C)	252.29	15.59
28 46 21 33-0255 EA Pendant Mounting Module (EST3 116EX-P)	188.51	15.59
28 46 21 33-0256 Hazardous Location Bells (28 46 21 33-0238)		
28 46 21 33-0257 EA 6" Hazardous Location Bells, 24 VDC (EST3 439DEX-6AW)	739.83	38.96
28 46 21 33-0258 EA 8" Hazardous Location Bells, 24 VDC (EST3 439DEX-8AW)	758.17	38.96
28 46 21 33-0259 EA 10" Hazardous Location Bells, 24 VDC (EST3 439DEX-10AW)	764.78	38.96
28 46 21 33-0260 Hazardous Location Horns (28 46 21 33-0238)		
28 46 21 33-0261 EA Hazardous Location Horns (EST3 888D-N5)	724.02	38.96
28 46 21 33-0262 EA Explosion Proof Horn, Diode Polarized, 24 VDC (EST3 889D-AW)	597.09	38.96
28 46 21 33-0263 Door Holders And Relays (28 46 21 33-0002)		
28 46 21 33-0264 Electromagnetic Door Holders (28 46 21 33-0263)		
28 46 21 33-0265 EA Door Holder, Single, Floor Mount - 24 VAC / 24 VDC / 120 VAC (EST3 1501-AQN5)	155.55	38.96
28 46 21 33-0266 EA Door Holder, Double, Floor Mount - 24 VAC / 24 VDC / 120 VAC (EST3 1502-AQN5)	192.37	38.96
28 46 21 33-0267 EA Door Holder, Flush, Wall Mount - 24 VAC / 24 VDC / 120 VAC (EST3 1504-AQN5)	136.75	38.96
28 46 21 33-0268 EA Door Holder, Flush, Wall Mount, Short Catch Plate - 24 VAC / 24 VDC / 120 VAC (EST3 1505-AQN5)	136.75	38.96
28 46 21 33-0269 EA Door Holder, Surface, Wall Mount - 24 VAC / 24 VDC / 120 VAC (EST3 1508-AQN5)	138.45	38.96
28 46 21 33-0270 EA Door Holder, Completely Flush, Wall Mount - 24 VAC / 24 VDC / 120 VAC (EST3 1509-AQN5)	140.07	38.96
28 46 21 33-0271 Control Relays, Multi-Voltage (28 46 21 33-0263)		
28 46 21 33-0272 EA Single SPDT With LED, Adhesive Tape Mounting (EST3 PAM1)	31.39	7.79
28 46 21 33-0273 FireShield Plus (28 46 21 33-0002)		
28 46 21 33-0274 3 Zone System (28 46 21 33-0273)		
28 46 21 33-0275 EA Conventional Fire Alarm Control Panel, 3 Class B IDC Zones, 2 Class B NAC's, 3.5 Amp NAC Power, Red Enclosure, 120 VAC, Capacity For (2) 10 Amp Hours Batteries (EST3 FSP302R)	924.12	311.69
28 46 21 33-0276 EA Conventional Fire Alarm Control Panel, 3 Class B IDC Zones, 2 Class B NAC's, 3.5 Amp NAC Power, Red Enclosure, 120 VAC, Capacity For (2) 10 Amp Hours Batteries, With Upload/Download DACT (EST3 FSP302RD)	1,315.28	415.58
28 46 21 33-0277 EA Conventional Fire Alarm Control Panel, 3 Class B IDC Zones, 2 Class B NAC's, 3.5 Amp NAC Power, Gray Enclosure, 120 VAC, Capacity For (2) 10 Amp Hours Batteries (EST3 FSP302G)	924.12	311.69
28 46 21 33-0278 EA Conventional Fire Alarm Control Panel, 3 Class B IDC Zones, 2 Class B NAC's, 3.5 Amp NAC Power, Gray Enclosure, 120 VAC, Capacity For (2) 10 Amp Hours Batteries, With Upload/Download DACT (EST3 FSP302GD)	1,315.28	415.58
28 46 21 33-0279 EA Semi Flush Trim Kit For 3 Or 5 Zone Enclosures, Gray (EST3 F-TRIM35G)	57.69	12.99
28 46 21 33-0280 EA Semi Flush Trim Kit For 3 Or 5 Zone Enclosures, Red (EST3 F-TRIM35R)	57.69	12.99
28 46 21 33-0281 5 Zone System (28 46 21 33-0273)		
28 46 21 33-0282 EA Conventional Fire Alarm Control Panel, 5 Class B IDC Zones, 2 Class B NAC's, 3.5 Amp NAC Power, Red Enclosure, 120 VAC, Capacity For (2) 10 Amp Hours Batteries (EST3 FSP502R)	975.46	311.69
28 46 21 33-0283 EA Conventional Fire Alarm Control Panel, 5 Class B IDC Zones, 2 Class B NAC's, 3.5 Amp NAC Power, Red Enclosure, 120 VAC, Capacity For (2) 10 Amp Hours Batteries, With Upload/Download DACT (EST3 FSP502RD)	1,363.69	415.58
28 46 21 33-0284 EA Conventional Fire Alarm Control Panel, 5 Class B IDC Zones, 2 Class B NAC's, 3.5 Amp NAC Power, Gray Enclosure, 120 VAC, Capacity For (2) 10 Amp Hours Batteries (EST3 FSP502G)	975.46	311.69
28 46 21 33-0285 EA Conventional Fire Alarm Control Panel, 5 Class B IDC Zones, 2 Class B NAC's, 3.5 Amp NAC Power, Gray Enclosure, 120 VAC, Capacity For (2) 10 Amp Hours Batteries, With Upload/Download DACT (EST3 FSP502GD)	1,363.69	415.58
28 46 21 33-0286 EA Semi Flush Trim Kit For 3 Or 5 Zone Enclosures, Gray (EST3 F-TRIM35G)	57.69	12.99
28 46 21 33-0287 EA Semi Flush Trim Kit For 3 Or 5 Zone Enclosures, Red (EST3 F-TRIM35R)	57.69	12.99
28 46 21 33-0288 10 Zone System (28 46 21 33-0273)		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 21 33-0289 EA Conventional Fire Alarm Control Panel, 10 Class B IDC Zones, 4 Class B NAC's, 3.5 Amp NAC Power, Red Enclosure, 120 VAC, Capacity For (2) 17 Amp Hours Batteries (EST3 FSP1004R).....	1,381.29	415.58
28 46 21 33-0290 EA Conventional Fire Alarm Control Panel, 10 Class B IDC Zones, 4 Class B NAC's, 3.5 Amp NAC Power, Red Enclosure, 120 VAC, Capacity For (2) 17 Amp Hours Batteries, With Upload/Download DACT (EST3 FSP1004RD).....	1,772.47	519.48
28 46 21 33-0291 EA Conventional Fire Alarm Control Panel, 10 Class B IDC Zones, 4 Class B NAC's, 3.5 Amp NAC Power, Gray Enclosure, 120 VAC, Capacity For (2) 17 Amp Hours Batteries (EST3 FSP1004G).....	1,359.29	415.58
28 46 21 33-0292 EA Conventional Fire Alarm Control Panel, 10 Class B IDC Zones, 4 Class B NAC's, 3.5 Amp NAC Power, Gray Enclosure, 120 VAC, Capacity For (2) 17 Amp Hours Batteries, With Upload/Download DACT (EST3 FSP1004GD).....	1,772.47	519.48
28 46 21 33-0293 EA Semi Flush Trim Kit For 10 Zone Enclosures, Gray (EST3 F-TRIM10G).....	65.64	12.99
28 46 21 33-0294 EA NAC Power Expansion Transformer, 120 VAC, Increases 10 Zone FACP NAC (EST3 F-XTR120).....	121.80	25.97
28 46 21 33-0295 FireShield Plus Off Premise Communication Options (28 46 21 33-0273)		
28 46 21 33-0296 EA F-Series Upload/Download DACT And Modem, Dual Line, With 2x16 LCD (EST3 F-DACT).....	242.66	25.97
28 46 21 33-0297 FireShield Plus Remote LED Annunciators (28 46 21 33-0273)		
28 46 21 33-0298 EA Remote System Indicator, Power, Alarm, Supervisory, Trouble And Ground Fault LED's With Local Buzzer, Single Gang, And White Trim Plate (EST3 FSRSI).....	125.52	38.96
28 46 21 33-0299 EA Remote Zone Indicator, Contains 5 Red LED's For Alarm Zone Indication, With Jumper Selectable Zone Settings, Single Gang, And White Trim Plate (EST3 FSRZI-A).....	125.52	38.96
28 46 21 33-0300 EA Remote Zone Indicator, Contains 5 Bi-Color LED's (Red/Yellow) For Alarm Or Supervisory Zone Indication, With Jumper Selectable Zone Settings, Single Gang, And White Trim Plate (EST3 FSRZI-SA).....	129.26	38.96
28 46 21 33-0301 EA Remote Annunciator Trim Plate - 2 Gang - White (EST3 FSAT2).....	25.13	7.79
28 46 21 33-0302 EA Remote Annunciator Trim Plate - 3 Gang - White (EST3 FSAT3).....	29.92	7.79
28 46 21 33-0303 EA Remote Annunciator Trim Plate - 4 Gang - White (EST3 FSAT4).....	41.42	7.79
28 46 21 33-0304 FireShield Plus Remote 10 Zone LED Annunciators (28 46 21 33-0273)		
28 46 21 33-0305 EA Remote LED Annunciator, With Common System Indicators, 10 Zone Indicators, White Housing, Mounts To 4" Electrical Box, For Use With 10 Zone Panels Only (EST3 FSRA10).....	327.31	38.96
28 46 21 33-0306 EA Remote LED Annunciator, With Common System Indicators, 10 Zone Indicators And Common Control Switches, White Housing, Mounts To 4" Electrical Box, For Use With 10 Zone Panels Only (EST3 FSRA10C).....	356.65	38.96
28 46 21 33-0307 EA Single Unit Remote Annunciator Enclosure, 4" Box Mount, Key Locked Door, Plexiglas Window, Gray (EST3 RA-ENC1).....	125.30	25.97
28 46 21 33-0308 FireShield Plus Remote Relays And Interfaces (28 46 21 33-0273)		
28 46 21 33-0309 EA Remote Relay Module, 5 Form C Contacts, Jumper Selectable Operation, With Mounting Track (EST3 FSRRM24).....	131.29	25.97
28 46 21 33-0310 EA 11" Snap Track Holds 2-4 RRM's, Used To Mount FSRRM's In MFC-A Or Other Listed Enclosure, MFC-A Will Hold Two FSRRM-11S (EST3 FSRRM-S11).....	58.20	15.59
28 46 21 33-0311 EA Common Function Graphic Driver/Interface - 9 Relays And 5 Switch Inputs For Common System Indicators And Controls (EST3 FSUIM).....	197.18	25.97
28 46 21 33-0312 FireShield Plus Accessories (28 46 21 33-0273)		
28 46 21 33-0313 EA Resistor Kit With 1-3.6K And 1-1.1K (46071-0409) (EST3 EOL3.6-1.1).....	13.40	
28 46 21 33-0314 EA 4.7k UL End Of Line Resistor With FireShield Panels (EST3 EOL47PK7).....	9.38	
28 46 21 33-0315 iO Series Fire Control Panels (28 46 21 33-0002)		
28 46 21 33-0316 Intelligent Analog Control Panels (28 46 21 33-0315)		
28 46 21 33-0317 EA FACP, 1 Intelligent Loop Supporting 125 Detectors/125 Modules, 2nd Loop Optional, 4 Class B NAC's, 6.5 Amp Power Supply, Gray Door, 115 VAC, Capacity For Up (2) 18a/h Batteries, English (EST3 iO500G).....	2,852.50	519.48
28 46 21 33-0318 EA FACP, 1 Intelligent Loop Supporting 125 Detectors/125 Modules, 2nd Loop Optional, 4 Class B NAC's, 6.5 Amp Power Supply, Gray Door, 115 VAC, Capacity For Up (2) 18 a/h Batteries, With Dual Line Dialer/Modem, English (EST3 iO500GD).....	2,994.80	519.48
28 46 21 33-0319 EA FACP, 1 Loop, 64 Intelligent Devices Max, 2 Class B NAC's, 4.25 Amp Power Supply, Gray Door, 115 VAC, Capacity For Up (2) 10 a/h Batteries, English (EST3 iO64G).....	2,278.48	415.58
28 46 21 33-0320 EA FACP, 1 Loop, 64 Intelligent Devices Max, 2 Class B NAC's, 4.25 Amp Power Supply, Gray Door, 115 VAC, Capacity For Up (2) 10a/h Batteries, With Dual Line Dialer/Modem, English (EST3 iO64GD).....	2,344.50	415.58
28 46 21 33-0321 Option Modules And Accessories For iO Series (28 46 21 33-0315)		
28 46 21 33-0322 EA 16 Zone LED Annunciator, 2 LED's Per Zone, Customizable Insert Labels, Left Side Mounting, Zones 1-16 (EST3 D16L-iO-1).....	224.62	38.96
28 46 21 33-0323 EA 16 Zone LED Annunciator, 2 LED's Per Zone, Customizable Insert Labels, Right Side Mounting, Zones 17-32, Requires D16L-iO-1 (EST3 D16L-iO-2).....	151.27	38.96
28 46 21 33-0324 EA Serial Interface, RS232, 4 Terminal Connections For Supervised/Unsupervised Printers And Connection To PC's (EST3 SA-232).....	151.27	38.96
28 46 21 33-0325 EA Class A NAC Module, For 64 Point Systems Only, Mounts To Main Board (EST3 SA-CLA).....	125.30	25.97
28 46 21 33-0326 EA Dialer/Modem, Two Telephone Line Connections, RJ31, Mounts To Base Plate (EST3 SA-DACT).....	232.27	20.77
28 46 21 33-0327 EA Ethernet Port Interface, RJ45, Mounts To Base Plate (EST3 SA-ETH).....	408.31	20.77
28 46 21 33-0328 EA Trim Kit For Semi-Flush Mounting 64 Point Systems (EST3 SA-TRIM1).....	56.78	12.99
28 46 21 33-0329 EA Trim Kit For Semi-Flush Mounting 500 Point Systems (EST3 SA-TRIM2).....	64.11	12.99
28 46 21 33-0330 EA Expansion Loop For iO500 Systems, 125 Detectors/125 Modules, Mounts On Main Board (EST3 XAL250).....	764.04	51.95

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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 21 33-0331 Remote Annunciators For iO Series (28 46 21 33-0315)		
28 46 21 33-0332 EA Remote Annunciator, 80 Character LCD, Common System Indicators, Beige Housing, Mounts To 4" Box With Supplied Ring (EST3 RLCD)	426.33	38.96
28 46 21 33-0333 EA Remote Annunciator, 80 Character LCD, Common System Indicators And Controls, Beige Housing, Mounts To 4" Box With Supplied Ring (EST3 RLCD-C)	444.67	38.96
28 46 21 33-0334 Remote Annunciator Accessories (28 46 21 33-0315)		
28 46 21 33-0335 EA 24 Expander Cable Assembly, With Cable And Hardware (EST3 730073)	55.31	12.99
28 46 21 33-0336 EA 12 Expander Cable (Cable Only) (EST3 7120313-01)	40.64	12.99
28 46 21 33-0337 EA 24 Expander Cable (Cable Only) (EST3 7120313-02)	51.64	12.99
28 46 21 33-0338 EA Single Unit Remote Annunciator Enclosure, 4" Box Mount, Key Locked Door, Plexiglas Window, Beige (EST3 RA-ENC1)	151.27	38.96
28 46 21 33-0339 EA Dual Unit Remote Annunciator Enclosure, 4" Box Mount, Key Locked Door, Plexiglas Window, Beige (EST3 RA-ENC2)	169.60	38.96
28 46 21 33-0340 EA Three Unit Remote Annunciator Enclosure, 4" Box Mount, Key Locked Door, Plexiglas Window, Beige (EST3 RA-ENC3)	187.94	38.96
28 46 21 33-0341 EA Blank Zone Card Insert For RLEDx Controllers (EST3 RA-LED16ZC)	40.64	12.99
28 46 21 33-0342 EA Blank Zone Card Insert For RLED24x Controllers (EST3 RA-LED24ZC)	40.64	12.99
28 46 21 33-0343 EA Remote Key Switch, Single Gang Mount, Provides Keyed Control To Enable/Disable Common Control Switches On Remote Annunciators (EST3 RKEY)	72.69	12.99
28 46 21 33-0344 System Accessories (28 46 21 33-0315)		
28 46 21 33-0345 EA Battery Cabinet, 14" x 18.25" x 7.25" Free Standing Cabinet With Key Lock, Supports Up To 40 Amp Hours Batteries, Will Hold Up To Two 12 VDC, 24 Amp Batteries (EST3 BC-1)	262.47	51.95
28 46 21 33-0346 EA Isolator Module - RS232, For Use With Short Haul Modems, VDU-3, CCA Series, CGP Series And FCOM-232, Requires 1/2 Size Cabinet Footprint (EST3 IOP3A)	1,331.71	415.58
28 46 21 33-0347 Conventional Initiating Devices (28 46 21 33-0002)		
28 46 21 33-0348 Detectors, Heat, Double Pole (28 46 21 33-0347)		
Note: WARNING, Heat detectors are not Life Safety Devices, use for property protection only.		
28 46 21 33-0349 EA Heat Detector, 135 Degree F Fixed Temperature (CF135-2)	117.45	38.96
28 46 21 33-0350 EA Heat Detector, 200 Degree F Fixed Temperature (CF200-2)	117.45	38.96
28 46 21 33-0351 EA Heat Detector, 135 Degree F ROR/Fixed Temperature (CR135-2)	117.45	38.96
28 46 21 33-0352 EA Heat Detector, 200 Degree F ROR/Fixed Temperature (CR200-2)	117.45	38.96
28 46 21 33-0353 Detectors, Rate Compensation Heat, Accessories (28 46 21 33-0347)		
28 46 21 33-0354 EA Heat Detector, Rate Compensation, Adapter Plate For Mounting 302 And 302-AW To Any 3 Outlet Box Or 4" Octagon Outlet Box (GE AP-P)	83.46	38.96
28 46 21 33-0355 EA Explosion Proof Outlet Body With Cover, 1/2" Threaded Hubs On Back, Four Sides And Cover (GE JALX11)	161.47	20.77
28 46 21 33-0356 EA 4" Weatherproof, Octagon Backbox And Cover, 1/2" Threaded Hubs On Back, Four Sides And Cover (GE STONCO27)	66.24	25.97
28 46 21 33-0357 Detectors, Heat, Fire-Lite (28 46 21 33-0347)		
Note: WARNING, Heat detectors are not Life Safety Devices, use for property protection only.		
28 46 21 33-0358 EA Explosion Heat Detector, 135 Degree F Fixed Temperature, Rate-Anticipation Heat Detector, All-Weather Vertical Mounting (302-EPM-135)	111.84	38.96
28 46 21 33-0359 EA Explosion Heat Detector, 194 Degree F Fixed Temperature, Rate-Anticipation Heat Detector, All-Weather Vertical Mounting (302-EPM-194)	111.84	38.96
28 46 21 33-0360 Audio Notification Systems (Standalone Voice Evacuation) (28 46 21 33-0002)		
28 46 21 33-0361 Audio Notification Panels (28 46 21 33-0360)		
28 46 21 33-0362 EA Audio Notification Panel, 100W Amplifier, DMR, Temporal Pattern, Power Supply And Battery Charger, Standard Message, Microphone, And 14.5" x 18" x 4" Gray Cabinet (GE ANS100MDG)	3,217.47	519.48
28 46 21 33-0363 EA Audio Notification Panel, 100W Amplifier, DMR, Temporal Pattern, Power Supply And Battery Charger, Standard Message, Microphone, And 14.5" x 18" x 4" Red Cabinet (GE ANS100MDR)	3,217.47	519.48
28 46 21 33-0364 EA Audio Notification Panel, 25 Watt Amplifier, DMR, Temporal Pattern, Power Supply And Battery Charger, Standard Message, Microphone, And 14.5" x 18" x 4" Gray Cabinet (GE ANS25MDG)	2,505.97	519.48
28 46 21 33-0365 EA Audio Notification Panel, 25 Watt Amplifier, DMR, Temporal Pattern, Power Supply And Battery Charger, Standard Message, Microphone, And 14.5" x 18" x 4" Red Cabinet (GE ANS25MDR)	2,505.97	519.48
28 46 21 33-0366 EA Audio Notification Panel, 50W Amplifier, DMR, Temporal Pattern, Power Supply And Battery Charger, Standard Message, Microphone, And 14.5" x 18" x 4" Gray Cabinet (GE ANS50MDG)	2,858.05	519.48
28 46 21 33-0367 EA Audio Notification Panel, 50W Amplifier, DMR, Temporal Pattern, Power Supply And Battery Charger, Standard Message, Microphone, And 14.5" x 18" x 4" Red Cabinet (GE ANS50MDR)	2,858.05	519.48
28 46 21 33-0368 Audio Notification Expander Panels (28 46 21 33-0360)		
28 46 21 33-0369 EA Audio Expander Panel, 100W With Out DMR Or Microphone, Power Supply And Battery Charger, 14.5" x 18" x 4" Gray Cabinet (GE ANS100XG)	2,564.65	519.48
28 46 21 33-0370 EA Audio Expander Panel, 100W With Out DMR Or Microphone, Power Supply And Battery Charger, 14.5" x 18" x 4" Red Cabinet (GE ANS100XR)	2,564.65	519.48
28 46 21 33-0371 EA Audio Expander Panel, 25 Watt Without DMR Or Microphone, Power Supply And Battery Charger, 14.5" x 18" x 4" Gray Cabinet (GE ANS25XG)	1,875.16	519.48
28 46 21 33-0372 EA Audio Expander Panel, 25 Watt Without DMR Or Microphone, Power Supply And Battery Charger, 14.5" x 18" x 4" Red Cabinet (GE ANS25XR)	1,875.16	519.48



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 21 33-0373 EA Audio Expander Panel, 50W With Out DMR Or Microphone, Power Supply And Battery Charger, 14.5" x 18" x 4" Gray Cabinet (GE ANS50XG)	2,278.59	519.48
28 46 21 33-0374 EA Audio Expander Panel, 50W With Out DMR Or Microphone, Power Supply And Battery Charger, 14.5" x 18" x 4" Red Cabinet (GE ANS50XR).....	2,278.59	519.48
28 46 21 33-0375 Audio Notification Output Accessories (28 46 21 33-0360)		
28 46 21 33-0376 EA Zone Adapter, 1 Circuit To 2 Circuit's (GE ANSZC2B)	91.99	12.99
28 46 21 33-0377 EA Zone Splitter, 2 Class A Circuits With Zone Selection Switches And All-Call Switch (GE ANSZS2A)	382.03	25.97
28 46 21 33-0378 EA Zone Splitter, 4 Class B Circuits With Zone Selection Switches And All-Call Switch (GE ANSZS4B)	382.03	25.97
28 46 21 33-0379 EA Class A Converter (GE ANSZSC4A)	279.33	25.97
28 46 21 33-0380 Audio Notification Remote Microphone (28 46 21 33-0360)		
28 46 21 33-0381 EA Microphone (GE ANSMIKE)	117.97	25.97
28 46 21 33-0382 EA Remote Microphone, Supervised In Surface/Semi-Flush Gray Cabinet, Requires EVX-SC Card In Evacuation Panel (GE ANSREMG).....	418.70	25.97
28 46 21 33-0383 EA Remote Microphone, Supervised In Surface/Semi-Flush Red Cabinet, Requires EVX-SC Card In Evacuation Panel (GE ANSREMR).....	418.70	25.97
28 46 21 33-0384 EA Remote Microphone Supervisory Card, One Per System, Supervises Up To 5 Remote Microphones (GE ANSREMSUP).....	99.32	12.99
28 46 21 33-0385 EA Relay Card For Supervision/Zone Splitter To Remote Microphone (GE ANSZSR)	58.97	12.99
28 46 21 33-0386 Audio Notification Accessories (28 46 21 33-0360)		
28 46 21 33-0387 EA Audio Matching - Line Input/Output Card (GE ANSAUX)	183.98	25.97
28 46 21 33-0388 EA Class B Backup Amplifier Switching Module (GE ANSBKUP)	183.98	25.97
28 46 21 33-0389 EA Class A Backup Amplifier Switching Module (GE ANSBKUPA).....	183.98	25.97
28 46 21 33-0390 EA Eight Input Remote Serial Interface Module, Accepts Dry Contact Interface To Control Up To 8 Messages, Message Recording Included With Module, For Industrial Signaling Only, Not UL Listed For Fire Alarm / Life Safety Applications (GE ANSR8)	382.03	25.97
28 46 21 33-0391 Audio Notification Modules, Without Cabinet And Transformer (28 46 21 33-0360)		
28 46 21 33-0392 EA 100W Expander Module (No Microphone OR DMR), Requires Transformer Ordered Separately (GE ANS100A)	1,358.17	51.95
28 46 21 33-0393 EA 100W Expander Module With Microphone (No DMR), Requires Transformer Ordered Separately (GE ANS100AM).....	1,424.19	51.95
28 46 21 33-0394 EA 100W Audio Notification Module With DMR And Microphone, Requires Transformer Ordered Separately (GE ANS100AMD)	1,952.31	51.95
28 46 21 33-0395 EA 25 Watt Expander Module (No Microphone Or DMR), Requires Transformer Ordered Separately (GE ANS25A).....	764.04	51.95
28 46 21 33-0396 EA 25 Watt Expander Module With Microphone (No DMR), Requires Transformer (GE ANS25AM)	764.04	51.95
28 46 21 33-0397 EA 25 Watt Audio Notification Module With DMR And Microphone, Requires Transformer Ordered Separately (GE ANS25AMD).....	1,358.17	51.95
28 46 21 33-0398 EA 50W Expander Module (No Microphone Or DMR) (GE ANS50A)	1,094.11	51.95
28 46 21 33-0399 EA 50W Expander Module With Microphone (No DMR) (GE ANS50AM)	1,160.13	51.95
28 46 21 33-0400 EA 50W Audio Notification Module With DMR And Microphone (GE ANS50AMD).....	1,688.25	51.95
28 46 21 33-0401 EA Power Transformer, Open Frame, 28 VAC @ 180 VA (EVAX 50/100) (GE ANST28180).....	91.99	12.99
28 46 21 33-0402 EA Power Transformer, Open Frame, 28 VAC @ 100 VA (EVAX 25) (GE ANST2885).....	70.74	12.99
28 46 21 33-0403 Simplex Fire Alarm (28 46 21 33)		
28 46 21 33-0404 4100 Fire Alarm Control Panel (28 46 21 33-0403)		
28 46 21 33-0405 EA 4100U Master Controller Assembly With LCD And Operator Interface, 9 Amp System Power Supply/Battery Charger (SPS), 250 Point IDNet Interface, 3 NACS, Auxiliary Relay And External RUI Communications Interface, 120 VAC Input (Simplex 4100-9111)	4,299.48	518.80
28 46 21 33-0406 EA 4100ES NDU With Master Controller, LCD And Operator Interface, Network Interface Module (Select Media Card Separately), 9 Amp System Power Supply/Battery Charger, And External RUI Communications Interface (Power Supply/Battery Charger Is An SPS With Its IDNet Channel And NACS Disabled), 120 VAC Input (Simplex 4100-9141)	4,618.11	518.80
28 46 21 33-0407 EA 4100ES NDU With VCC Includes The First Bay Equipment Described For The NDU And A Second Bay Assembly With Separate: Master Controller For Voice Functions, Network Interface (Select Media Card Separately), And A Standard SPS With 250 Point IDNet Channel; And 3, 3 A Class A/B NACS Capable Of SmartSync Two-Wire Operation, 120 V Input (Simplex 4100-9142)	6,286.92	518.80
28 46 21 33-0408 EA IDNet Module, Up To 127 Points (Simplex 4100-3104).....	3,047.34	518.80
28 46 21 33-0409 EA IDNet Module, Up To 64 Points (Simplex 4100-3105).....	2,561.42	518.80
28 46 21 33-0410 EA Expansion Power Supply, 3 NACS, 120 VAC (Simplex 4100-5101)	1,212.98	129.70
28 46 21 33-0411 EA Alarm Relay, 3 Form C Relays, 2 Amp @ 32 VDC, For SPS Or RPS (Simplex 4100-6033).....	252.81	25.94
28 46 21 33-0412 EA Dual Port RS-232 Interface Card (Simplex 4100-6038).....	687.61	25.94

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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 21 33-0413 4100U Backbox <small>(28 46 21 33-0403)</small>		
28 46 21 33-0414 EA 2 Bay Backbox With Glass Door And Dress Panel (Simplex 2975-9425).....	1,238.50	103.76
Note: 24" x 40" beige backbox.		
28 46 21 33-0415 EA 3 Bay Backbox With Glass Door And Dress Panel (Simplex 2975-9443).....	1,711.25	103.76
Note: 24" x 56" beige backbox.		
28 46 21 33-0416 DACT (Digital Alarm Communicator Transmitter) <small>(28 46 21 33-0403)</small>		
28 46 21 33-0417 EA 6 Zone Fire Control Communicator (Silent Knight SK-5104)	674.27	51.88
28 46 21 33-0418 4010 Fire Alarm Control Panel <small>(28 46 21 33-0403)</small>		
28 46 21 33-0419 EA 120 VAC Fire Alarm Control Panel With Door, Cabinet, Power Supply/Battery Charger, IDNet Interface, 4 NACs, 2 Programmable Auxiliary Relays, External N2 Communications Interface, And Internal Common Event Reporting DACT (Simplex 4010-9101)	4,104.16	518.80
28 46 21 33-0420 EA 240 VAC Fire Alarm Control Panel With Door, Cabinet, Power Supply/Battery Charger, IDNet Interface, 4 NACs, 2 Programmable Auxiliary Relays, And External N2 Communications Interface (Simplex 4010-9201)	4,136.38	518.80
28 46 21 33-0421 EA Dual Circuit Class A NAC Adapter Module (Simplex 4010-9806)	145.74	25.94
28 46 21 33-0422 EA Dual RS-232 Interface Module Expansion Slot Option (Simplex 4010-9811)	572.70	25.94
28 46 21 33-0423 EA Single RS-232 Interface Module With Service Modem Connection Expansion Slot Option (Simplex 4010-9812)	780.66	25.94
28 46 21 33-0424 EA 120 VAC, 4 Amp Expansion Power Supply Expansion Module (Simplex 4010-9813)	409.84	25.94
28 46 21 33-0425 EA 240 VAC, 4 Amp Expansion Power Supply Expansion Module (Simplex 4010-9823)	442.03	25.94
28 46 21 33-0426 EA Battery Meter Module Expansion Module (Simplex 4010-9820)	177.02	25.94
28 46 21 33-0427 Printer <small>(28 46 21 33-0403)</small>		
28 46 21 33-0428 EA 24 Pin Dot Matrix Printer (Simplex 4190-9013).....	1,171.52	25.94
28 46 21 33-0429 NAC Panel / Power Booster <small>(28 46 21 33-0403)</small>		
28 46 21 33-0430 EA IDNet NAC Extender With 4, Class B (Style Y) NACs and 8 Amp Power Supply, 120 VAC (Simplex 4009-9201).....	844.84	129.70
Note: Power supply for horns and strobes.		
28 46 21 33-0431 Battery <small>(28 46 21 33-0403)</small>		
28 46 21 33-0432 EA 50 Amp Hours Sealed Lead Acid Battery (Simplex 2081-9296).....	485.68	25.94
Note: Two required for 24 volt DC.		
28 46 21 33-0433 EA 33 Amp Hours Sealed Lead Acid Battery (Simplex 2081-9276).....	329.36	25.94
Note: Two required for 24 volt DC.		
28 46 21 33-0434 EA 6.2 Amp Hours Sealed Lead Acid Battery (Simplex 2081-9272)	131.35	25.94
Note: Two required for 24 volt DC.		
28 46 21 33-0435 Interface Modules <small>(28 46 21 33-0403)</small>		
28 46 21 33-0436 EA Supervised Individual Addressable Modules (Simplex 4090-9001)	109.87	25.94
Note: Monitor modules for waterflow/tamper, etc.		
28 46 21 33-0437 EA Relay Individual Addressable Modules (Simplex 4090-9002)	206.36	25.94
Note: Control modules for gas shutdown, door holders, etc.		
28 46 21 33-0438 EA Relay SPDT With LED MR-801/T (Simplex 2088-9032)	64.41	25.94
Note: Interface relay for 120VAC		
28 46 21 33-0439 EA SmartSync™ Adapter Module For Non-Addressable Notification Appliance Circuits (NACs) (Simplex 4905-9815).....	110.93	25.94
28 46 21 33-0440 EA Surface Mount Cover Plate For SmartSync Adapter Module (Simplex 4905-9817)	50.45	12.97
28 46 21 33-0441 EA Flush Mount Cover Plate For SmartSync Adapter Module (Simplex 4905-9818)	48.41	12.97
28 46 21 33-0442 Pull Stations <small>(28 46 21 33-0403)</small>		
28 46 21 33-0443 EA Addressable Single Action Manual Pull Station (Simplex 4099-9001)	130.57	25.94
28 46 21 33-0444 EA N.O. Contacts, Single Action, Non-Coded, Non-Addressable Manual Pull Stations (Simplex 2099-9101)	98.88	25.94
28 46 21 33-0445 EA N.C. Contacts, Single Action, Non-Coded, Non-Addressable Manual Pull Stations (Simplex 2099-9102)	105.00	25.94
28 46 21 33-0446 EA Break-Glass, Double Action, Non-Coded, Non-Addressable Manual Pull Stations (Simplex 2099-9103)	96.12	25.94
28 46 21 33-0447 EA N.O. Contacts, Break-Glass, Double Action, Non-Coded, Non-Addressable Manual Pull Stations (Simplex 2099- 9104)	109.09	25.94
28 46 21 33-0448 EA N.C. Contacts, Break-Glass, Double Action, Non-Coded, Non-Addressable Manual Pull Stations (Simplex 2099- 9105)	155.71	25.94
28 46 21 33-0449 EA Pre-Signal, N.O. Contacts, Single Action, Non-Coded, Non-Addressable Manual Pull Stations (Simplex 2099- 9107)	133.61	25.94
28 46 21 33-0450 EA Pre-Signal, N.O. Contacts, Break-Glass, Double Action, Non-Coded, Non-Addressable Manual Pull Stations (Simplex 2099-9108)	154.04	25.94
28 46 21 33-0451 EA Single Action, Non-Coded, Non-Addressable Manual Pull Stations (Simplex 2099-9754)	81.85	25.94
28 46 21 33-0452 EA Local Alarm Cover, Single Action, Non-Coded, Non-Addressable Manual Pull Stations (Simplex 2099-9755)	85.59	25.94
28 46 21 33-0453 EA Push, Double Action, Non-Coded, Non-Addressable Manual Pull Stations (Simplex 2099-9756)	97.63	25.94
28 46 21 33-0454 EA N.C. Contacts, Push, Double Action, Non-Coded, Non-Addressable Manual Pull Stations (Simplex 2099-9758).....	141.39	25.94
28 46 21 33-0455 EA Pre-Signal, N.O. Contacts, Push, Double Action, Non-Coded, Non-Addressable Manual Pull Stations (Simplex 2099-9759)	230.90	25.94
28 46 21 33-0456 EA Institutional Cover, Single Action, Non-Coded, Non-Addressable Manual Pull Stations (Simplex 2099-9762).....	88.66	25.94
28 46 21 33-0457 EA Surface Mount Steel Box For Manual Pull Station (Simplex 2975-9178).....	52.50	12.97
28 46 21 33-0458 Weatherproof Pull Stations <small>(28 46 21 33-0403)</small>		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 21 33-0459 EA Weather Proof Single Action Pull Station, Cast Metal, B Lock, SPST (Simplex 2099-9138)	131.73	31.13
28 46 21 33-0460 EA Surface Mount Cast Aluminum Box For Exterior Pull Station (Simplex 2975-9211)	79.65	12.97
28 46 21 33-0461 Heat / Smoke Sensor <small>(28 46 21 33-0403)</small>		
28 46 21 33-0462 EA 32 To 122 Degree F Heat Sensor (Simplex 4098-9733).....	138.01	38.91
28 46 21 33-0463 EA Photoelectric Smoke Sensor (Simplex 4098-9714)	188.16	38.91
28 46 21 33-0464 EA Sensor Base With Relay Driver (Simplex 4098-9791)	321.14	12.97
28 46 21 33-0465 EA Standard Sensor Base (Simplex 4098-9792).....	167.82	12.97
28 46 21 33-0466 EA Remote Supervised Relay Accessory For Sensor Base With Relay Driver (Simplex 2098-9737).....	110.24	25.94
Note: Relay for 4098-9791		
28 46 21 33-0467 Explosion Proof Heat Detector <small>(28 46 21 33-0403)</small>		
28 46 21 33-0468 EA 135 Degree F Explosion Proof Heat Detector (Simplex 2098-9488).....	144.42	38.91
28 46 21 33-0469 EA Explosion Proof Backbox (Killark JLX-21)	85.20	12.97
28 46 21 33-0470 EA Explosion Proof Backbox Plugs (Killark CUP-2)	8.81	2.59
28 46 21 33-0471 Weatherproof Heat Detector <small>(28 46 21 33-0403)</small>		
28 46 21 33-0472 EA 194 Degree F Fixed Hardwired Weatherproof Heat Detector (Simplex 2098-9490).....	112.19	38.91
28 46 21 33-0473 200 Degree F Heat Detector <small>(28 46 21 33-0403)</small>		
28 46 21 33-0474 EA 194 Degree F Heat Detector, ROR/Fixed Temperature (Simplex 5604).....	97.79	38.91
Note: Used in kiln rooms and kitchens.		
28 46 21 33-0475 Duct Smoke Sensor <small>(28 46 21 33-0403)</small>		
28 46 21 33-0476 EA Duct Sensor Housing (Simplex 4098-9755).....	267.10	20.75
28 46 21 33-0477 EA Duct Sensor Housing With Supervised Output For Multiple Remote Relays, 4-Wire (Simplex 4098-9756)	373.80	46.69
Note: Relay output for AHU shutdown.		
28 46 21 33-0478 EA 46" To 71" Duct Sampling Tube (Simplex 2098-9798)	47.25	12.97
Note: 25", 49", 73" or 97" sampling tube length.		
28 46 21 33-0479 EA Remote Duct Test Station With Key Switch And Red LED Status Indicator (Simplex 2098-9806)	118.27	38.91
28 46 21 33-0480 Interior Horn <small>(28 46 21 33-0403)</small>		
28 46 21 33-0481 EA Red With White "FIRE" Lettering, TrueAlert Addressable Electronic Horn (Simplex 4901-9850).....	111.57	38.91
28 46 21 33-0482 EA White With Red "FIRE" Lettering, TrueAlert Addressable Electronic Horn (Simplex 4901-9853).....	111.57	38.91
28 46 21 33-0483 Interior Horn Strobe <small>(28 46 21 33-0403)</small>		
28 46 21 33-0484 EA Wall Mounted Horn Strobe, 75Cd, Red (Simplex 4903-9426)	143.44	38.91
28 46 21 33-0485 EA Wall Mounted Horn Strobe, 110Cd, Red (Simplex 4903-9427)	143.44	38.91
28 46 21 33-0486 EA Wall Mount, Red Housing, White Lettering, Horn And Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Strobe (Simplex 4906-9127)	136.17	38.91
28 46 21 33-0487 EA Ceiling Mount, Red Housing, White Lettering, Horn And Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Strobe (Simplex 4906-9128)	136.17	38.91
28 46 21 33-0488 EA Wall Mount, White Housing, Red Lettering, Horn And Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Strobe (Simplex 4906-9129)	136.17	38.91
28 46 21 33-0489 EA Ceiling Mount, White Housing, Red Lettering, Horn And Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Strobe (Simplex 4906-9130)	136.17	38.91
28 46 21 33-0490 EA Weatherproof, Red Housing, White Lettering, Horn And Intensity Selectable (15, 60 Or 75 Candela) Multi-Candela Strobe (Simplex 4906-9131).....	138.61	38.91
28 46 21 33-0491 EA Weatherproof, White Housing, Red Lettering, Horn And Intensity Selectable (15, 60 Or 75 Candela) Multi-Candela Strobe (Simplex 4906-9132).....	138.61	38.91
28 46 21 33-0492 EA Wall Mount, Red Housing, White Lettering, Horn And Intensity Selectable (135, 177 Or 185 Candela) Multi-Candela Strobe (Simplex 4906-9139)	142.90	38.91
28 46 21 33-0493 EA Ceiling Mount, Red Housing, White Lettering, Horn And Intensity Selectable (135, 177 Or 185 Candela) Multi-Candela Strobe (Simplex 4906-9140)	140.92	38.91
28 46 21 33-0494 EA Wall Mount, White Housing, Red Lettering, Horn And Intensity Selectable (135, 177 Or 185 Candela) Multi-Candela Strobe (Simplex 4906-9141)	142.90	38.91
28 46 21 33-0495 EA Ceiling Mount, White Housing, Red Lettering, Horn And Intensity Selectable (135, 177 Or 185 Candela) Multi-Candela Strobe (Simplex 4906-9142)	140.92	38.91
28 46 21 33-0496 EA Wall Mount, Red Housing, White Lettering, Horn And Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Addressable Strobe (Simplex 4906-9227).....	136.17	38.91
28 46 21 33-0497 EA Ceiling Mount, Red Housing, White Lettering, Horn And Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Addressable Strobe (Simplex 4906-9228).....	136.17	38.91
28 46 21 33-0498 EA Wall Mount, White Housing, Red Lettering, Horn And Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Addressable Strobe (Simplex 4906-9229).....	136.17	38.91
28 46 21 33-0499 EA Ceiling Mount, White Housing, Red Lettering, Horn And Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Addressable Strobe (Simplex 4906-9230).....	136.17	38.91
28 46 21 33-0500 Interior Strobe <small>(28 46 21 33-0403)</small>		
28 46 21 33-0501 EA Wall Mount, Red Housing, White Lettering, Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Strobe (Simplex 4906-9101)	120.72	38.91
28 46 21 33-0502 EA Ceiling Mount, Red Housing, White Lettering, Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Strobe (Simplex 4906-9102).....	120.72	38.91

28 Electronic Safety And Security**28 40 Life Safety****28 46 Fire Detection And Alarm**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 21 33-0503 EA Wall Mount, White Housing, Red Lettering, Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Strobe (Simplex 4906-9103)	120.69	38.91
28 46 21 33-0504 EA Ceiling Mount, White Housing, Red Lettering, Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Strobe (Simplex 4906-9104)	120.72	38.91
28 46 21 33-0505 EA Weatherproof, Red Housing, White Lettering, Intensity Selectable (15, 60 Or 75 Candela) Multi-Candela Strobe (Simplex 4906-9105)	129.96	38.91
28 46 21 33-0506 EA Weatherproof, White Housing, Red Lettering, Intensity Selectable (15, 60 Or 75 Candela) Multi-Candela Strobe (Simplex 4906-9106)	129.96	38.91
28 46 21 33-0507 EA Wall Mount, Red Housing, White Lettering, Intensity Selectable (135, 177 Or 185 Candela) Multi-Candela Strobe (Simplex 4906-9109)	130.55	38.91
28 46 21 33-0508 EA Ceiling Mount, Red Housing, White Lettering, Intensity Selectable (135, 177 Or 185 Candela) Multi-Candela Strobe (Simplex 4906-9110)	132.16	38.91
28 46 21 33-0509 EA Wall Mount, White Housing, Red Lettering, Intensity Selectable (135, 177 Or 185 Candela) Multi-Candela Strobe (Simplex 4906-9111)	132.16	38.91
28 46 21 33-0510 EA Ceiling Mount, White Housing, Red Lettering, Intensity Selectable (135, 177 Or 185 Candela) Multi-Candela Strobe (Simplex 4906-9112)	132.16	38.91
28 46 21 33-0511 EA Wall Mount, Red Housing, White Lettering, Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Addressable Strobe (Simplex 4906-9201)	120.72	38.91
28 46 21 33-0512 EA Ceiling Mount, Red Housing, White Lettering, Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Addressable Strobe (Simplex 4906-9202)	120.72	38.91
28 46 21 33-0513 EA Wall Mount, White Housing, Red Lettering, Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Addressable Strobe (Simplex 4906-9203)	120.72	38.91
28 46 21 33-0514 EA Ceiling Mount, White Housing, Red Lettering, Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Addressable Strobe (Simplex 4906-9204)	120.72	38.91
28 46 21 33-0515 Interior Speakers (28 46 21 33-0403)		
28 46 21 33-0516 EA Red With White "FIRE" Lettering, Wall Mount Speaker, Rectangular Housing (Simplex 4902-9716)	103.75	38.91
28 46 21 33-0517 EA White With Red "FIRE" Lettering, Wall Mount Speaker, Rectangular Housing (Simplex 4902-9717)	103.75	38.91
28 46 21 33-0518 EA Ceiling Or Wall Mount, Round Housing Speaker (Simplex 4902-9721)	103.75	38.91
28 46 21 33-0519 Interior Speaker Strobe (28 46 21 33-0403)		
28 46 21 33-0520 EA Red Housing, White Lettering, Multi-Tapped Speaker And Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Strobe (Simplex 4906-9151)	150.64	38.91
28 46 21 33-0521 EA White Housing, Red Lettering, Multi-Tapped Speaker And Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Strobe (Simplex 4906-9153)	150.64	38.91
28 46 21 33-0522 Surge Suppressors (28 46 21 33-0403)		
28 46 21 33-0523 EA Overvoltage Suppressor (Simplex 2081-9044)	84.35	7.78
28 46 21 33-0524 EA Isolated Loop Circuit Protector (Simplex 2081-9028)	56.05	7.78
28 46 21 33-0525 EA 120 VAC, 20 Amp Multi Stage Hybrid Surge Protector With EMI/RFI Filtering (Ditek 120S20A)	174.01	7.78
28 46 21 33-0526 EA 24 VAC Data And Loop Circuit Surge Protector (Ditek DTK-2MHLP24B)	63.34	7.78
28 46 21 33-0527 EA Mounting Base For Two DTK-2MHLP (Ditek DTK-2MB)	96.36	12.97
28 46 21 33-0528 EA 120 VAC, 22,500 Amp, Equipment Panel/Dedicated Circuit Surge Protector (Ditek DTK-120HW)	68.08	7.78
28 46 21 33-0529 EA <105 VAC, 9,000 Amp, RJ31 Connection, Alarm Dialer Surge Protection (Ditek DTK-MRJ31SCWP)	52.51	7.78
28 46 21 33-0530 Boxes And Adapters (28 46 21 33-0403)		
28 46 21 33-0531 EA Semi-Flush Mount Modular Adapter Using Standard 4" Square Electrical Box (Simplex 4905-9921)	48.41	12.97
28 46 21 33-0532 EA Surface Mount Modular Adapter Using Simplex Box (Simplex 4905-9925)	46.37	12.97
28 46 21 33-0533 EA Red, Surface Mount Adapter Skirt (Simplex 4905-9937)	42.36	12.97
28 46 21 33-0534 EA White, Surface Mount Adapter Skirt (Simplex 4905-9940)	36.68	12.97
28 46 21 33-0535 Accessories (28 46 21 33-0403)		
28 46 21 33-0536 EA End-Of-Line Resistor Harness, 10 k Ohms, 1/2 Watt, Two Required, One Each For Audible And Visible Output (Simplex 4081-9008)	28.31	12.97
28 46 21 33-0537 Siemens Fire Alarm (28 46 21 33)		
28 46 21 33-0538 Conventional Control Panels (28 46 21 33-0537)		
28 46 21 33-0539 SXL Batteries And Power Supplies (28 46 21 33-0538)		
28 46 21 33-0540 EA 6 Amp Notification Appliance Circuit Expander With Built-In Auxiliary Power Output (Siemens PAD-3)	702.30	51.88
28 46 21 33-0541 EA Main Board Only For PAD-3 (Siemens PAD-3-MB)	573.20	51.88
28 46 21 33-0542 Digital Fire Communicators (28 46 21 33-0538)		
28 46 21 33-0543 EA Four Channel Digital Slave Fire Communicator (Siemens 5129)	556.18	51.88
28 46 21 33-0544 Addressable Control Panels (28 46 21 33-0537)		
28 46 21 33-0545 Fireseeker Equipment (28 46 21 33-0544)		
28 46 21 33-0546 FS-250 System Panels (28 46 21 33-0545)		
28 46 21 33-0547 EA FS-250 Electronics Package Including One FS-250-CON And Two FS-NPE, Excludes Enclosure (Siemens FS-250-EKIT)	1,985.86	518.80
Note: FS-250-CON is an electronics package for releasing water or agent. FS-NPE is a system transformer.		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 21 33-0548 EA FS-250 Electronics Package Including One FS-250-CON, Two FS-NPE, One FS-RPT And One FS-REL, Excludes Enclosure (Siemens FS-250-REL-EKIT).....	2,380.19	518.80
Note: FS-250-CON is an electronics package for releasing water or agent. FS-NPE is a system transformer. FS-RPT is a releasing power transformer. FS-REL is a Releasing Module.		
28 46 21 33-0549 EA FS-250-SRX Releasing Electronics Package Including One FS-250-CON2-SRX, Two FS-NPE, One FS-RPT And One FS-REL, Excludes Enclosure (Siemens FS-250-SRX-EKIT).....	1,499.02	415.03
Note: FS-250-CON2-SRX is an electronics package for releasing water or agent. FS-NPE is a system transformer. FS-RPT is a releasing power transformer. FS-REL is a Releasing Module.		
28 46 21 33-0550 EA Electronics Package For Releasing Water Or Agent (Siemens FS-250-CON).....	1,988.21	518.80
28 46 21 33-0551 FS-250 Optional Modules (28 46 21 33-0545)		
28 46 21 33-0552 EA Main Board Module (Siemens FS-MB2).....	706.99	51.88
28 46 21 33-0553 EA Display Board Module (Siemens FS-DB2).....	540.10	25.94
28 46 21 33-0554 EA Device Loop Card (Siemens FS-DLC).....	446.21	25.94
28 46 21 33-0555 EA Releasing Module (Siemens FS-REL).....	209.14	25.94
28 46 21 33-0556 EA Remote LCD Annunciator (Siemens FS-RD2).....	443.28	25.94
28 46 21 33-0557 EA Relay Processor Card (Siemens FS-RU2).....	387.53	25.94
28 46 21 33-0558 EA Relay Expander Board (Siemens FS-RE8).....	333.54	25.94
28 46 21 33-0559 EA Serial Annunciator Processor Card (Siemens FS-SAU2).....	443.28	25.94
28 46 21 33-0560 EA 16 Output Annunciator Extender (Siemens FS-SAE16).....	349.97	25.94
28 46 21 33-0561 EA Digital Alarm Communication Transmitter (Siemens FS-DACT).....	320.05	25.94
28 46 21 33-0562 EA Municipal Tie Module (Siemens FS-MT).....	274.86	25.94
28 46 21 33-0563 EA Configuration Tool Including Laptop To FS-250 Cable And Software (Siemens FS-CT2).....	272.17	
28 46 21 33-0564 EA Programming Cable Kit (Siemens CBL-UD).....	71.12	12.97
28 46 21 33-0565 EA Notification Appliance Circuit Power Expander Transformer (Siemens FS-NPE).....	129.92	25.94
28 46 21 33-0566 EA Releasing Power Transformer (Siemens FS-RPT-A).....	131.68	25.94
28 46 21 33-0567 EA Surface Mounted Box For Remote LCD Annunciator (Siemens FS-RD-SB).....	142.43	20.75
28 46 21 33-0568 EA Cabinet Trim Kit (Siemens RD-CAB-TK).....	216.06	12.97
28 46 21 33-0569 Firefinder Systems (28 46 21 33-0544)		
28 46 21 33-0570 XLS Basic Fire System Packages Without Backbox (28 46 21 33-0569)		
28 46 21 33-0571 EA 500 Point Firefinder Package Including Two DLC, One PMI, One ZIC-4A, One CC-5, One PSC-12 And One ID-SP (Siemens XLS-500-ID-SP).....	6,389.92	518.80
Note: DLC is a device loop card. PMI is a person machine interface. ZIC-4A is a four circuit zone indicating card. CC-5 is a five slot card cage. PSC-12 is a 12 Amp power supply charger module. ID-SP is an inner door blank single plate.		
28 46 21 33-0572 EA 250 Point Firefinder Package Including One DLC, One PMI, One ZIC-4A, One CC-5, One PSC-12 And One ID-SP (Siemens XLS-250-ID-SP).....	5,719.79	518.80
Note: DLC is a device loop card. PMI is a person machine interface. ZIC-4A is a four circuit zone indicating card. CC-5 is a five slot card cage. PSC-12 is a 12 Amp power supply charger module. ID-SP is an inner door blank single plate.		
28 46 21 33-0573 EA 250 Point Firefinder Package Including One DLC, One PMI-INT, One ZIC-4A, One CC-5, One PSC-12 And One ID-SP (Siemens XLS-250-INT-ID-SP).....	5,719.79	518.80
Note: DLC is a device loop card. PMI-INT is a person machine interface with multilingual overlays. ZIC-4A is a four circuit zone indicating card. CC-5 is a five slot card cage. PSC-12 is a 12 Amp power supply charger module. ID-SP is an inner door blank single plate.		
28 46 21 33-0574 EA 250 Point Firefinder Package Including One DLC, One PMI, One ZIC-4A, One CC-5, One PSC-12, One CAB2-BD And One OD-LP (Siemens XLS-250-CAB2-BD).....	9,050.47	518.80
Note: DLC is a device loop card. PMI is a person machine interface. ZIC-4A is a four circuit zone indicating card. CC-5 is a five slot card cage. PSC-12 is a 12 Amp power supply charger module. CAB2-BD is a two row inner and outer door set. OD-LP is an outer door clear plastic lens plate.		
28 46 21 33-0575 EA 250 Point Firefinder Package Including One DLC, One PMI, One ZIC-4A, One CC-5, One PSC-12, One CAB3-BD, One BCL, One ID-SP And One OD-LP (Siemens XLS-250-CAB3-BD).....	9,328.61	518.80
Note: DLC is a device loop card. PMI is a person machine interface. ZIC-4A is a four circuit zone indicating card. CC-5 is a five slot card cage. PSC-12 is a 12 Amp power supply charger module. CAB3-BD is a three row inner and outer door set. ID-SP is an inner door blank single plate. OD-LP is an outer door clear plastic lens plate.		
28 46 21 33-0576 EA 250 Point Firefinder Package Including One DLC, One PMI, One ZIC-4A, One CC-5, And One PSC-12 (Siemens XLS-250-ZIC4A-EP).....	5,652.31	518.80
Note: DLC is a device loop card. PMI is a person machine interface. ZIC-4A is a four circuit zone indicating card. CC-5 is a five slot card cage. PSC-12 is a 12 Amp power supply charger module.		
28 46 21 33-0577 EA 250 Point Firefinder Package Including One DLC, One PMI-INT, One ZIC-4A, One CC-5, And One PSC-12 (Siemens XLS-250-ZIC4A-INT-EP).....	5,652.31	518.80
Note: DLC is a device loop card. PMI-INT is a person machine interface with multilingual overlays. ZIC-4A is a four circuit zone indicating card. CC-5 is a five slot card cage. PSC-12 is a 12 Amp power supply charger module.		
28 46 21 33-0578 EA 250 Point Firefinder Package Including One DLC, One PMI, One ZIC-8B, One CC-5, And One PSC-12 (Siemens XLS-250-ZIC8B-EP).....	6,436.28	518.80
Note: DLC is a device loop card. PMI is a person machine interface. ZIC-8B is an eight circuit zone indicating card. CC-5 is a five slot card cage. PSC-12 is a 12 Amp power supply charger module.		
28 46 21 33-0579 Firefinder - XLS Basic System Equipment (28 46 21 33-0569)		
28 46 21 33-0580 EA Person Machine Interface With Central Processor (Siemens PMI).....	2,993.39	518.80
Note: Includes inner door.		
28 46 21 33-0581 EA Person Machine Interface With Central Processor, DE-2 And DPU (Siemens PMI-DPU-ENC).....	4,725.04	518.80
Note: Includes inner door.		
28 46 21 33-0582 EA Person Machine Interface With Multilingual Overlays And Central Processor (Siemens PMI-INT).....	2,993.39	518.80
Note: Includes inner door.		
28 46 21 33-0583 EA Two Slot Card Cage (Siemens CC-2).....	342.93	25.94
28 46 21 33-0584 EA Five Slot Card Cage (Siemens CC-5).....	566.50	25.94
28 46 21 33-0585 EA Four Circuit Zone Indicating Card (Siemens ZIC-4A).....	801.22	25.94

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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 21 33-0586 EA Eight Circuit Zone Indicating Card (Siemens ZIC-8B).....	835.84	25.94
28 46 21 33-0587 EA Two Channel Adapter Card For ZIC-8B (Siemens ZIC-2C).....	277.21	25.94
28 46 21 33-0588 EA Device Loop Card (Siemens DLC).....	946.16	25.94
Note: Interfaces with up to 252 detectors and devices.		
28 46 21 33-0589 EA Controllable Relay Card (Siemens CRC-6).....	544.21	25.94
Note: Provides six programmable relays.		
28 46 21 33-0590 EA 12 Amp Power Supply Charger Module (Siemens PSC-12).....	2,007.68	25.94
28 46 21 33-0591 EA Person Machine Interface With Central Processor And GPMI-UK Software Upgrade Kit (Siemens GPMI).....	3,776.19	518.80
Note: Software kit provides interface with multiple FireFinder XLS and MXL systems.		
28 46 21 33-0592 EA Network Interface Card (Siemens NIC-C).....	633.40	25.94
Note: Provides HNET Or XNET communication between enclosures.		
28 46 21 33-0593 EA 12 Amp Power Supply Extender (Siemens PSX-12).....	1,673.21	25.94
Note: Extends PSC-12 with an additional 24 volt DC.		
28 46 21 33-0594 EA Power Termination Board (Siemens PTB).....	298.34	25.94
Note: Used with systems requiring more than one PSX-12.		
28 46 21 33-0595 EA Conventional Detector Card (Siemens CDC-4).....	611.10	25.94
28 46 21 33-0596 EA Multi-Mode Network Fiber Optic Interface Module (Siemens D2300CPS).....	1,178.54	25.94
28 46 21 33-0597 EA Single-Mode Network Fiber Optic Interface Module (Siemens D2325CPS).....	4,187.65	25.94
28 46 21 33-0598 Remote Lobby Enclosure (28 46 21 33-0569)		
28 46 21 33-0599 EA 14-1/2" x 18-1/2" x 5" Two Module Remote Enclosure (Siemens REMBOX2).....	845.37	103.76
Note: Flush mounted. Includes clear lens plate on cover.		
28 46 21 33-0600 EA 24" x 18-1/2" x 5" Four Module Remote Enclosure (Siemens REMBOX4).....	1,068.36	103.76
Note: Flush mounted. Includes clear lens plate on cover.		
28 46 21 33-0601 EA Optional Mounting Plate For REMBOX2 (Siemens REMBOX2-MP).....	141.66	25.94
Note: Required to mount up to four SIM-16 or OCM-16 modules.		
28 46 21 33-0602 EA Optional Mounting Plate For REMBOX4 (Siemens REMBOX4-MP).....	152.81	25.94
Note: Required to mount up to eight SIM-16 or OCM-16 modules.		
28 46 21 33-0603 Battery Enclosures (28 46 21 33-0569)		
28 46 21 33-0604 EA Enclosure For 100 Amp Hours Batteries (Siemens CAB-BATT).....	554.32	103.76
28 46 21 33-0605 Graphic Annunciator Output Drivers And Inputs (28 46 21 33-0569)		
28 46 21 33-0606 EA Output Control Module (Siemens OCM-16).....	398.68	25.94
28 46 21 33-0607 EA Supervised Input Module (Siemens SIM-16).....	398.68	25.94
28 46 21 33-0608 Remote LCD Displays (28 46 21 33-0569)		
28 46 21 33-0609 EA Remote LED/LCD System Status Display (Siemens SSD).....	937.84	77.82
Note: No control or menu capability.		
28 46 21 33-0610 EA Remote LED/LCD System Status Display, Buttons To Acknowledge Events, Silence Audible Circuits And Resetting (Siemens SSD-C).....	1,049.92	77.82
28 46 21 33-0611 Voice Equipment (28 46 21 33-0569)		
28 46 21 33-0612 EA 40W Zone Amplifier Card (Siemens ZAC-40).....	892.18	25.94
28 46 21 33-0613 EA 180W Zone Amplifier Module (Siemens ZAM-180).....	1,952.53	25.94
28 46 21 33-0614 EA Live Voice Module (Siemens LVM).....	834.08	25.94
Note: Includes a dynamic microphone with a push-to-talk switch and ready-to-page indicator light, as well as a small local speaker and volume control for monitoring audio signals.		
28 46 21 33-0615 MXL Series Equipment (28 46 21 33-0544)		
28 46 21 33-0616 MXL Optional Equipment (28 46 21 33-0615)		
28 46 21 33-0617 EA Two Circuit Analog Loop Driver (Siemens ALD-21).....	979.27	51.88
28 46 21 33-0618 EA CXL/MXL Interface Module (Siemens CMI-300).....	2,446.02	25.94
28 46 21 33-0619 EA Four Relay Programmable Relay Module (Siemens CRM-4).....	436.82	25.94
28 46 21 33-0620 EA Two Circuit Controllable Signal/Releasing Module (Siemens CSM-4).....	523.08	25.94
28 46 21 33-0621 EA Remote Conventional Zone Module (Siemens CZM-1B6).....	209.73	25.94
28 46 21 33-0622 EA Short Circuit Line Isolator Module (Siemens Model LIM-1).....	137.55	25.94
28 46 21 33-0623 EA Four Circuit Conventional Zone Module (Siemens CZM-4).....	509.58	25.94
28 46 21 33-0624 EA 12" x 16" x 3" Enclosure For PAD-3 (Siemens EN-PAD).....	206.92	38.91
28 46 21 33-0625 EA Lexan Window For RCC (Siemens GENBOX-WD).....	135.97	20.75
28 46 21 33-0626 EA Input Driver Module (Siemens MID-16).....	341.17	25.94
28 46 21 33-0627 EA Programmable Output Driver Module (Siemens MOD-16).....	341.17	25.94
28 46 21 33-0628 EA MXL Output/Input Module (Siemens MOI-7).....	533.64	25.94
28 46 21 33-0629 EA Two Slot Network Option Module Card Cage (Siemens MOM-2).....	293.64	25.94
28 46 21 33-0630 EA Four Slot Network Option Module Card Cage (Siemens MOM-4).....	450.32	25.94
28 46 21 33-0631 EA 12 Amp, 220 VAC Power Supply For MXL (Siemens MPS-12/220).....	1,118.58	77.82
28 46 21 33-0632 EA 12 Amp, 240 VAC Power Supply For MXL (Siemens MPS-12/240).....	1,118.58	77.82
28 46 21 33-0633 EA Network Interface Module (Siemens NIM-1W).....	785.97	25.94
28 46 21 33-0634 EA U.L. Listed Parallel Printer (Siemens PAL-1).....	2,085.28	103.76
28 46 21 33-0635 EA Peripheral Interface Module, Model PIM-1 (Siemens 500-691324).....	244.94	25.94
28 46 21 33-0636 EA Surface Mounted Remote Command Center (Siemens RCC-1).....	2,601.41	518.80
28 46 21 33-0637 EA Enclosure And Door With Lens For RCC-1 (Siemens RCC-1DL).....	310.90	51.88
28 46 21 33-0638 EA Flush Mounted Remote Command Center (Siemens RCC-1F).....	2,601.41	518.80
28 46 21 33-0639 EA Enclosure And Door With Lens For RCC-1F (Siemens RCC-1FDL).....	317.94	51.88



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 21 33-0640 EA Remote Control Center With System Control Functions And Sequential Event Display (Siemens RCC-2).....	2,093.83	518.80
28 46 21 33-0641 EA MXL/MXLV Remote Annunciator/Keyboard With Enhanced Display (Siemens RCC-3).....	2,932.37	518.80
28 46 21 33-0642 EA RCC-2/RSE-1 Trim Ring (Siemens RCF-1).....	52.35	12.97
28 46 21 33-0643 EA Remote Diagnostics Module For MXL (Siemens RDM-MXL)	3,155.12	51.88
28 46 21 33-0644 EA Remote Diagnostics Module For PC (Siemens RDM-PC)	6,674.16	51.88
28 46 21 33-0645 EA Releasing End Of Line Module (Siemens REL-EOL).....	115.84	25.94
28 46 21 33-0646 EA 36 Zone Tabular Graphic Annunciator With Restart System Key (Siemens RSA-MBSC)	2,026.70	51.88
28 46 21 33-0647 EA 36 Zone Tabular Graphic Annunciator (Siemens RSA-MBTL).....	1,936.92	51.88
28 46 21 33-0648 EA 8-3/8" x 6-1/4" Remote Control Enclosure (Siemens RSE-1)	1,088.31	103.76
28 46 21 33-0649 Complete MXL And MXLV System Packages Without Enclosure (28 46 21 33-0615)		
28 46 21 33-0650 EA MXL System Electronics Package Including One MMB-3, One Display/Control Keyboard, One MDL-1, One MKB-2, One Mps-6, One MOM-2, One ALD-2I And One PIM-1 (Siemens MXL-SS-EP)	8,088.71	518.80
Note: MMB-3 is a MXL/MXLV main control board. MDL-1 is a clear lens. MKB-2 is a MXL/MXLV display/keyboard module with hinged frame. MPS-6 is a 6 Amp power supply for MXL. MOM-2 is a two slot network option module card cage. ALD-2I is a two circuit analog loop driver. PIM-1 is a peripheral interface module.		
28 46 21 33-0651 EA MXL Voice System Electronics Package Including One MMB-3, One MKB-2, One MPS-6, One ACM-1, One TBM-2, One MMM-1, One OMM-2, One ZAC-30, One OCC-1, One MHD-5, One VSM-1 And Four VSB-1 (Siemens MXLV-SS-EP).....	10,288.03	518.80
Note: MMB-3 is a MXL/MXLV main control board. MKB-2 is a MXL/MXLV display/keyboard module with hinged frame. MPS-6 is a 6 Amp power supply for MXL. ACM-1 is an audio control module. TBM-2 is a voice terminal module. MMM-1 is a master microphone module. OMM-2 is a two half width slot card cage. ZAC-30 is a MXLV zone amplifier card. OCC-1 is a MXLV output control card. MHD-5 is a deadfront panel for MSE-2 backbox. VSM-1 is an eight switch module. VSB-1 is a module blank with overlay.		
28 46 21 33-0652 EA MXLV Demonstration Panel (Siemens MXLV DEMO)	20,559.38	518.80
28 46 21 33-0653 MXL Basic System (28 46 21 33-0615)		
28 46 21 33-0654 EA MXL/MXLV Main Control Board (Siemens MMB-3)	5,321.36	518.80
28 46 21 33-0655 EA MXL System Electronics Package Including One MMB-3, One DE-2 And One DPU (Siemens MMB-DPU-ENCL)	6,635.20	518.80
Note: MMB-3 is a MXL/MXLV main control board. DE-2 is an enclosure for document storage. DPU is a handheld device programming and testing unit.		
28 46 21 33-0656 EA MXL/MXLV Display/Keyboard Module With Hinged Frame (Siemens MKB-2)	1,715.70	51.88
28 46 21 33-0657 EA MXL/MXLV Keyboard With Enhanced Display With Hinged Frame (Siemens MKB-5)	2,139.37	51.88
28 46 21 33-0658 EA 6 Amp Power Supply For MXL (Siemens MPS-6)	789.38	77.82
28 46 21 33-0659 EA 220/240 VAC Adapter Cable (Siemens CIA-12)	64.08	12.97
28 46 21 33-0660 MXL/MXLR System Expansion Accessories (28 46 21 33-0615)		
28 46 21 33-0661 EA MXL Remote Power Supply Module (Siemens PSR-1)	955.45	77.82
28 46 21 33-0662 EA Style 4 Communication Module (Siemens NET-4).....	203.86	25.94
28 46 21 33-0663 EA Style 7 Communication Module (Siemens NET-7).....	354.67	25.94
28 46 21 33-0664 EA MXL/MXL-IQ/MXLV Intelligent Control Point, B6 Chip (Siemens ICP-B6)	220.88	25.94
28 46 21 33-0665 Peripheral Devices (28 46 21 33-0544)		
28 46 21 33-0666 Thermal Detectors (28 46 21 33-0665)		
28 46 21 33-0667 EA Rate Of Rise And 135 Degree F Fixed Temperature Thermal Detector (Siemens DT-135R).....	106.57	38.91
28 46 21 33-0668 EA Rate Of Rise And 200 Degree F Fixed Temperature Thermal Detector (Siemens DT-200R).....	106.57	38.91
28 46 21 33-0669 EA 135 Degree F Fixed Temperature Thermal Detector (Siemens DT-135F).....	106.57	38.91
28 46 21 33-0670 EA 200 Degree F Fixed Temperature Thermal Detector (Siemens DT-200F).....	106.57	38.91
28 46 21 33-0671 EA Weatherproof 135 Degree F Rate Compensation/Fixed Temperature Thermal Detector (Siemens DT-135WP).....	150.58	38.91
28 46 21 33-0672 EA Weatherproof 200 Degree F Rate Compensation/Fixed Temperature Thermal Detector (Siemens DT-200WP).....	150.58	38.91
28 46 21 33-0673 EA Explosion Proof 190 Degree F Rate Compensation/Fixed Temperature Thermal Detector (Siemens DT-190EP).....	328.38	38.91
28 46 21 33-0674 Beam Smoke Detector (28 46 21 33-0665)		
28 46 21 33-0675 EA Linear Beam Smoke Detector (Siemens PBA-1191)	1,465.17	38.91
28 46 21 33-0676 EA Base For Linear Beam Smoke Detector (Siemens PBB-1191).....	171.47	12.97
28 46 21 33-0677 EA 20cm x 20cm Flat Reflector For Linear Beam Smoke Detector (Siemens PBR-1192)	173.23	12.97
28 46 21 33-0678 EA 10cm x 10cm Flat Reflector For Linear Beam Smoke Detector (Siemens PBR-1193)	93.42	12.97
28 46 21 33-0679 Bases For Detectors (28 46 21 33-0665)		
28 46 21 33-0680 EA Detector Base (Siemens DB-11).....	34.74	12.97
28 46 21 33-0681 EA Universal Base (Siemens DB-3S)	32.98	12.97
28 46 21 33-0682 Manual Stations (28 46 21 33-0665)		
28 46 21 33-0683 EA Weatherproof Metal Manual Pull Station With Key (Siemens MSM-K-WP)	202.50	31.13
28 46 21 33-0684 Addressable Devices (28 46 21 33-0544)		
28 46 21 33-0685 Intelligent Detectors And Devices For Firefinder XLS And FS-250 (28 46 21 33-0684)		
28 46 21 33-0686 EA Addressable Fireprint Fire Detector (Siemens HFP-11)	178.75	38.91
28 46 21 33-0687 EA Addressable Thermal Fire Detector (Siemens HFPT-11)	158.21	38.91
28 46 21 33-0688 EA Relay Base For H-Series Intelligent Detectors (Siemens DB-HR)	134.15	38.91

28 Electronic Safety And Security**28 40 Life Safety****28 46 Fire Detection And Alarm**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 21 33-0689 EA Ceiling Mounted Remote Alarm Indicator (Siemens RL-HC)	99.53	38.91
28 46 21 33-0690 EA Wall Mounted Remote Alarm Indicator (Siemens RL-HW)	99.53	38.91
28 46 21 33-0691 EA Addressable Single Action Manual Pull Station (Siemens HMS-S)	175.69	25.94
28 46 21 33-0692 EA Addressable Double Action Manual Pull Station (Siemens HMS-D)	168.65	25.94
28 46 21 33-0693 EA Single Input Intelligent Initiating Devices Interface Module (Siemens HTRI-S)	137.55	25.94
28 46 21 33-0694 EA Dual Input Intelligent Initiating Devices Interface Module (Siemens HTRI-D)	163.96	25.94
28 46 21 33-0695 EA Single Input Intelligent Initiating Devices Interface Module With Relay (Siemens HTRI-R)	163.96	25.94
28 46 21 33-0696 EA Mini Single Input Intelligent Initiating Devices Interface Module (Siemens HTRI-M)	128.75	25.94
28 46 21 33-0697 EA Line Isolator Module (Siemens HLIM)	132.27	25.94
28 46 21 33-0698 EA Remote Convention Zone Module (Siemens HZM)	186.26	25.94
28 46 21 33-0699 EA Intelligent Control Point Module (Siemens HCP)	230.85	25.94
28 46 21 33-0700 EA Handheld Programming And Testing Unit (Siemens DPU)	941.35	
28 46 21 33-0701 EA DPU Carrying Case (Siemens DPU-C1)	149.36	
28 46 21 33-0702 EA Label Printer And Carrying Case (Siemens DPU-PRT)	1,615.12	25.94
28 46 21 33-0703 Air Duct Housings And Detectors (28 46 21 33-0684)		
28 46 21 33-0704 EA Air-Duct Housing (Siemens AD2-P)	186.44	20.75
28 46 21 33-0705 EA Air-Duct Housing With Relay (Siemens AD2-XHR)	208.74	20.75
28 46 21 33-0706 EA Weatherproof Enclosure For Duct Housing (Siemens WP-2000)	174.52	25.94
28 46 21 33-0707 EA 6" To 1' Duct Sampling Tube (Siemens ST-10)	27.31	7.78
28 46 21 33-0708 EA >1' To 3' Duct Sampling Tube (Siemens ST-25)	34.25	10.38
28 46 21 33-0709 EA >3' To 5' Duct Sampling Tube (Siemens ST-50)	42.96	12.97
28 46 21 33-0710 EA >5' To 10' Duct Sampling Tube (Siemens ST-100)	50.49	15.57
28 46 21 33-0711 Intelligent Initiating Devices For MXL, MXL-LQ And MXLV (28 46 21 33-0684)		
28 46 21 33-0712 EA Addressable Fireprint Fire Detector (Siemens FP-11)	185.20	38.91
28 46 21 33-0713 EA Addressable Thermal Fire Detector (Siemens FPT-11)	163.49	38.91
28 46 21 33-0714 EA Intelligent Ionization Smoke Detector (Siemens ILI-1)	201.63	38.91
28 46 21 33-0715 EA Addressable Single Action Manual Pull Station (Siemens MSI-10B)	171.59	25.94
28 46 21 33-0716 EA Addressable Double Action Manual Pull Station (Siemens MSI-20B)	187.43	25.94
28 46 21 33-0717 EA Single Input Intelligent Initiating Devices Interface Module (Siemens TRI-S)	173.35	25.94
28 46 21 33-0718 EA Dual Input Intelligent Initiating Devices Interface Module (Siemens TRI-D)	189.78	25.94
28 46 21 33-0719 EA Single Input Intelligent Initiating Devices Interface Module With Relay (Siemens TRI-R)	189.78	25.94
28 46 21 33-0720 Detector Universal Bases (28 46 21 33-0684)		
28 46 21 33-0721 EA Detector Base With Relay (Siemens DB-X11RS)	81.69	12.97
28 46 21 33-0722 EA PE-11 To DB-3 Base Adapter (Siemens DB-ADPT)	46.48	12.97
28 46 21 33-0723 EA Locking Kit (Siemens LK-11)	10.85	
28 46 21 33-0724 EA Detector Base With Relay (Siemens DB-X3RS)	81.69	12.97
28 46 21 33-0725 EA Audible Base For Addressable Fireprint Fire Detector (Siemens ADBX-11)	93.42	12.97
28 46 21 33-0726 EA Retrofit Adapter Box For Audible Bases Ionization Detector Air Duct (Siemens ADB-BOX)	44.72	12.97
28 46 21 33-0727 EA Flush Trim Ring For Bases (Siemens RA-ADB)	22.61	7.78
28 46 21 33-0728 EA Seal For DB-11 (Siemens DB11-SEAL)	12.26	
28 46 21 33-0729 EA Gasket For DB-11 (Siemens DB-SEAL)	13.04	
28 46 21 33-0730 EA Detector Guard Housing (Siemens DGH-11)	115.13	12.97
28 46 21 33-0731 EA Small Detector Base (Siemens DB-11E)	37.09	12.97
28 46 21 33-0732 EA Audible Base For Series 3 (Siemens ADBI-60A)	103.98	12.97
28 46 21 33-0733 EA Base Plug (Siemens DB-11-DP)	10.83	
28 46 21 33-0734 Air Duct Smoke Detectors (28 46 21 33-0684)		
28 46 21 33-0735 EA Intelligent Remote Duct Relay Module (Siemens DA-X3SR)	99.41	25.94
28 46 21 33-0736 EA Weatherproof Enclosure For Duct Housing (Siemens EAD-3)	431.54	25.94
28 46 21 33-0737 Notification Devices (28 46 21 33-0544)		
28 46 21 33-0738 Synchronization Control Devices (28 46 21 33-0737)		
28 46 21 33-0739 EA Dual Synchronization Control Module (Siemens DSC)	137.55	25.94
28 46 21 33-0740 Stand Alone Strobes (28 46 21 33-0737)		
28 46 21 33-0741 EA Wall Mounted Multi-Candela Strobe (Siemens ZR-MC-R)	127.70	38.91
28 46 21 33-0742 EA Wall Mounted High, Multi-Candela Strobe (Siemens ZR-HMC-R)	136.50	38.91
28 46 21 33-0743 EA Ceiling Mounted Multi-Candela Strobe (Siemens ZR-MC-CR)	127.70	38.91
28 46 21 33-0744 EA Ceiling Mounted High, Multi-Candela Strobe (Siemens ZR-HMC-CR)	136.50	38.91
28 46 21 33-0745 EA Ceiling Mounted High Multi-Candela Strobe (Siemens ST-HMC-CW)	136.50	38.91
28 46 21 33-0746 EA Ceiling Mounted Multi-Candela Strobe (Siemens ST-MC-CW)	127.70	38.91
28 46 21 33-0747 EA Retrofit Plate Multi-Candela Strobe (Siemens ST-MC-RETRO-R)	142.95	38.91
28 46 21 33-0748 EA Weatherproof Ceiling Mounted Strobe (Siemens ST-75-CR-WP)	138.26	38.91
28 46 21 33-0749 EA Weatherproof Wall Mounted Strobe (Siemens ST-75-R-WP)	138.26	38.91
28 46 21 33-0750 EA Weatherproof Ceiling Mounted High Multi-Candela Strobe (Siemens ST-HMC-CR-WP)	145.89	38.91
28 46 21 33-0751 EA Weatherproof Wall Mounted High Multi-Candela Strobe (Siemens ST-HMC-R-WP)	145.89	38.91
28 46 21 33-0752 Horns And Strobes (28 46 21 33-0737)		
28 46 21 33-0753 EA Wall Mounted Multi-Candela Horn/Strobe (Siemens SE-MC-R)	162.32	38.91



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 21 33-0754	EA			Wall Mounted High Multi-Candela Horn/Strobe (Siemens SE-HMC-R)	169.95	38.91
28 46 21 33-0755	EA			Wall Mounted Horn (Siemens SE-R)	106.57	38.91
28 46 21 33-0756	EA			Ceiling Mounted Multi-Candela Horn/Strobe (Siemens SE-MC-CR)	162.32	38.91
28 46 21 33-0757	EA			Ceiling Mounted High Multi-Candela Horn/Strobe (Siemens SE-HMC-CR)	169.95	38.91
28 46 21 33-0758	EA			Ceiling Mounted Horn (Siemens SEC-R)	110.09	38.91
28 46 21 33-0759	EA			Wall Mounted Low Profile Multi-Candela Horn/Strobe (Siemens SEF-MC-R)	162.32	38.91
28 46 21 33-0760	EA			Wall Mounted Low Profile High Multi-Candela Horn/Strobe (Siemens SEF-HMC-R)	169.95	38.91
28 46 21 33-0761	EA			Wall Mounted Low Profile Horn (Siemens SEF-R)	106.57	38.91
28 46 21 33-0762	EA			Ceiling Mounted Low Profile Multi-Candela Horn/Strobe (Siemens SEF-MC-CW)	162.32	38.91
28 46 21 33-0763	EA			Ceiling Mounted Low Profile High Multi-Candela Horn/Strobe (Siemens SEF-HMC-CW)	169.95	38.91
28 46 21 33-0764	EA			Ceiling Mounted Low Profile Horn (Siemens SEF-CR)	110.09	38.91
28 46 21 33-0765	EA			Mini Horn (Siemens MH-R)	93.66	38.91
28 46 21 33-0766	EA			Indoor/Outdoor Multi Tone Horn (Siemens MTH-R)	111.27	38.91
28 46 21 33-0767	EA			Indoor/Outdoor Multi Tone, Multi-Candela Horn/Strobe (Siemens MTH-MC-R)	154.69	38.91
28 46 21 33-0768	EA			Industrial Tri-Tone Horn (Siemens ASR)	385.89	38.91
28 46 21 33-0769	EA			Wall Mounted Horn (Siemens HS-R)	111.27	38.91
28 46 21 33-0770	EA			Wall Mounted Multi-Candela Horn/Strobe (Siemens HS-MC-R)	155.28	38.91
28 46 21 33-0771	EA			Wall Mounted High Multi-Candela Horn/Strobe (Siemens HS-HMC-R)	164.67	38.91
28 46 21 33-0772	EA			6" Motor Bell (Siemens MBDC-6)	123.00	38.91
28 46 21 33-0773	EA			10" Motor Bell (Siemens MBDC-10)	131.81	38.91
28 46 21 33-0774	Mounting Accessories <small>(28 46 21 33-0737)</small>					
28 46 21 33-0775	EA			Concealed Conduit Adapter Plate (Siemens APS-R)	32.98	12.97
28 46 21 33-0776	EA			4" x 1-1/2" Surface Mounted Back Box (Siemens BBS-R)	32.98	12.97
28 46 21 33-0777	EA			4" x 2-1/8" Surface Mounted Back Box (Siemens DBBS-R)	33.57	12.97
28 46 21 33-0778	EA			Red Weatherproof Surface Mount Backbox (Siemens MT-SUR-BOX)	47.65	12.97
28 46 21 33-0779	EA			White Weatherproof Surface Mount Backbox (Siemens MT-SUR-BOX-W)	40.02	12.97
28 46 21 33-0780	EA			Surface Mounted Speaker Backbox (Siemens SBBS-R)	41.78	12.97
28 46 21 33-0781	EA			Surface Mounted Speaker Backbox (Siemens SBL2S-R)	44.13	12.97
28 46 21 33-0782	EA			Square Semi-Flush Extension Ring (Siemens SERS-R)	37.09	12.97
28 46 21 33-0783	EA			Semi-Flush Plate (Siemens SFPS-R)	32.39	12.97
28 46 21 33-0784	EA			Square Surface Backbox (Siemens SHBBS-R)	37.09	12.97
28 46 21 33-0785	EA			Horn Adapter Plate (Siemens SHMPS-R)	35.92	12.97
28 46 21 33-0786	EA			Ceiling Speaker Extension Ring (Siemens SPECT-R)	32.98	12.97
28 46 21 33-0787	EA			Wall Mounted Surface Mounted Speaker Backbox (Siemens SPSB-R)	40.02	12.97
28 46 21 33-0788	EA			Wall Mounted Surface Mounted Speaker/Strobe Backbox (Siemens SPSB-R)	41.78	12.97
28 46 21 33-0789	EA			Weatherproof Speaker Backbox (Siemens WBBS-R)	40.61	12.97
28 46 21 33-0790	EA			Weatherproof Speaker Backbox With 3/4" Knockout (Siemens WBBS-R-3/4T-3/4B)	44.13	12.97
28 46 21 33-0791	EA			Weatherproof Flush Plate (Siemens WFPAS-R)	44.13	12.97
28 46 21 33-0792	EA			Weatherproof Horn Flush Plate (Siemens WFPS-R)	44.13	12.97
28 46 21 33-0793	EA			Weatherproof Horn Backbox (Siemens WPBBS-R)	41.78	12.97
28 46 21 33-0794	EA			Weatherproof Strobe Backbox (Siemens WPSBBS-R)	41.78	12.97
28 46 21 33-0795	EA			Surface Mounted Weatherproof Backbox Kit (Siemens WPS-KIT)	32.98	12.97
28 46 21 33-0796	EA			Z Series Backbox (Siemens ZBB-R)	35.92	12.97
28 46 21 33-0797	Door Holders <small>(28 46 21 33-0737)</small>					
28 46 21 33-0798	EA			120 VAC Concealed Wiring Fire Door Holder (Siemens SDH-2A)	229.21	38.91
28 46 21 33-0799	EA			24 VDC Concealed Wiring Fire Door Holder (Siemens SDH-2D)	229.21	38.91
28 46 21 33-0800	Voice Equipment <small>(28 46 21 33-0544)</small>					
28 46 21 33-0801	Voicecom <small>(28 46 21 33-0800)</small>					
28 46 21 33-0802	EA			Emergency Voice Alarm Communication System, 3.5 Amp Power Supply And Battery Charger, 50W Amplifier, Battery Cables, Main Control Board With One Speaker Circuit, Paging Microphone And Enclosure With Deadfront And Space For Five Modules (Siemens VOICECOM)	3,452.27	518.80
28 46 21 33-0803	EA			Emergency Voice Alarm Communication System, 3.5 Amp Power Supply And Battery Charger, Two 50W Amplifier, Battery Cables, Main Control Board With One Speaker Circuit, Paging Microphone, Enclosure With Deadfront And Space For 11 Modules, Auxiliary Power Supply, Four PS-AUX Strobe Zone Cables And One AM-25-50 Speaker Zone Cables (Siemens VOICECOM-L)	5,242.01	518.80
28 46 21 33-0804	Johnson Controls Fire Alarm <small>(28 46 21 33)</small>					
28 46 21 33-0805	EA			Intelligent Addressable ION Detector; With FlashScan. (Johnson Controls, Inc. #1951J)	146.24	38.91
28 46 21 33-0806	EA			Intelligent Addressable Photo Detector; With FlashScan. (Johnson Controls, Inc. #2951J)	144.96	38.91
28 46 21 33-0807	EA			Intelligent Addressable Photo/Thermal Detector; With FlashScan. (Johnson Controls, Inc. #2951TJ)	174.10	38.91
28 46 21 33-0808	EA			Acclimate™ Intelligent Photo Thermal Detector; With FlashScan. (Johnson Controls, Inc. #2951TMJ)	173.70	38.91
28 46 21 33-0809	EA			411UD, 4 Channel Dual. (Johnson Controls, Inc. #411UD)	438.29	51.88
28 46 21 33-0810	EA			Intelligent Addressable High Temperature Heat Detector; With FlashScan. (Johnson Controls, Inc. #5951HJ)	139.74	38.91
28 46 21 33-0811	EA			Intelligent Addressable High Temperature Heat Detector; With FlashScan. (Johnson Controls, Inc. #5951J)	127.68	38.91
28 46 21 33-0812	EA			Intelligent Addressable Rate-of-Rise Thermal Detector; With FlashScan. (Johnson Controls, Inc. #5951RJ)	125.12	38.91
28 46 21 33-0813	EA			Intelligent Addressable Laser Detector; Low Profile, Use With IFC Series Panels Only. (Johnson Controls, Inc. #7351J)	321.66	38.91
28 46 21 33-0814	EA			100 Watt Audio Amplifier @ 70.7 VRMS With Built-in Tone Generator, 120 VAC. (Johnson Controls, Inc. #AA-100)	1,485.01	77.82
28 46 21 33-0815	EA			AUDIO Amplifier, 100 Watt, 230 VAC (Johnson Controls, Inc. #AA-100E)	1,440.55	77.82
28 46 21 33-0816	EA			120 Watt Audio Amplifier @ 25 VRMS With Built-in Tone Generator, 120 VAC (Johnson Controls, Inc. #AA-120)	1,464.54	77.82
28 46 21 33-0817	EA			AUDIO Amplifier, 120 Watt, 230 VAC (Johnson Controls, Inc. #AA-120E)	1,404.66	77.82
28 46 21 33-0818	EA			30 Watt Audio Amplifier @ 25 VRMS, 120 VAC (Johnson Controls, Inc. #AA-30)	712.86	77.82

28 Electronic Safety And Security**28 40 Life Safety****28 46 Fire Detection And Alarm**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 21 33-0819 EA AUDIO Amplifier, 30 Watt, 230 VAC (Johnson Controls, Inc. #AA-30E).....	712.86	77.82
28 46 21 33-0820 EA Annunciator Control Module With; 16 Red Alarm LED's, 16 Yellow Trouble LED's, And 16 Control Switches, On-line, System Trouble Led, And Local Sounder, Local Acknowledge And Lamp Test Switch, Supports 1, 2 Or 3 AEM-16AT Expander Modules. (Johnson Controls, Inc. #ACM-16AT).....	676.39	25.94
28 46 21 33-0821 EA IFC Series ACS Annunciator; Up To 96 Points Of Annunciation With Alarm Or Active LED, Trouble LED And Switch Per Circuit. Active/Alarm LEDs Can Be Programmed (By Powered Up Switch Selection) By Point To Be Red, Green Or Yellow And The Trouble LED Is Always Yellow. Expandable With One, Two Or Three AEM-24AT's. (Johnson Controls, Inc. #ACM-24AT).....	702.79	25.94
28 46 21 33-0822 EA Annunciator Control Module; Includes 32 Red Alarm LED's, System Trouble LED And On-line LED, Local Acknowledge, Lamp Test Switch, And Local Piezo Sounder, Supports One AEM-32A Expander Module. (Johnson Controls, Inc. #ACM-32A).....	521.16	25.94
28 46 21 33-0823 EA IFC Series ACS Annunciator; Up To 96 Points Of Annunciation With Alarm Or Active LED Per Circuit. Active/Alarm LEDs Can Be Programmed (By Powered Up Switch Selection) In Groups Of 24 To Be Red, Green Or Yellow. Expandable To 96 Points With One AEM-48A. (Johnson Controls, Inc. #ACM-48A).....	521.16	25.94
28 46 21 33-0824 EA Annunciator, Relay, Form C. (Johnson Controls, Inc. #ACM-8R).....	373.12	25.94
28 46 21 33-0825 EA Charger Power Supply - 6 Or 10 Amps; Mounts In CAB-PS1, CAB-3/4, EQ Cabx, BB-25, Or CHS-PS1; Comes With The PK-PPS Programming Utility. Windows® PC And USB Cable Required For Programming. (Johnson Controls, Inc. #ACPS-610).....	1,180.50	51.88
28 46 21 33-0826 EA Annunciator Expander Module With: 16 Red Alarm LED's, 16 Yellow Trouble LED's, 16 Control Switches, Cable For Connection To The ACM-16AT Master. (Johnson Controls, Inc. #AEM-16AT).....	521.16	25.94
28 46 21 33-0827 EA Annunciator Expander Module; 24 Alarm And Trouble LEDs, Expands The ACM-24AT To 48, 72 Or 96 Points. (Johnson Controls, Inc. #AEM-24AT).....	541.00	25.94
28 46 21 33-0828 EA Annunciator Expander Module With: 32 Red Alarm LED's, Cable For Connection To The ACM-32A Master. (Johnson Controls, Inc. #AEM-32A).....	469.11	25.94
28 46 21 33-0829 EA Annunciator Expander Module; 48 Alarm LEDs, Expands The ACM-48A To 96 Points. (Johnson Controls, Inc. #AEM-48A).....	469.11	25.94
28 46 21 33-0830 EA Back Box, Flush Or Surface Mount; Requires A Door And Telephone Chassis. (Johnson Controls, Inc. #AFAWS-BX).....	92.45	23.34
28 46 21 33-0831 EA Receiver, Multimode Fiber. (Johnson Controls, Inc. #AFL-RM).....	726.48	51.88
28 46 21 33-0832 EA Receiver, Singlemode Fiber. (Johnson Controls, Inc. #AFL-RS).....	1,539.41	51.88
28 46 21 33-0833 EA Transmit, Multimode Fiber. (Johnson Controls, Inc. #AFL-TM).....	726.48	51.88
28 46 21 33-0834 EA Transmit, Singlemode Fiber. (Johnson Controls, Inc. #AFL-TS).....	1,539.41	51.88
28 46 21 33-0835 EA Base, Smoke Detector, 2 Wire. (Johnson Controls, Inc. #B110LP).....	36.70	12.97
28 46 21 33-0836 EA Base, Smoke Detector, Intelligent. (Johnson Controls, Inc. #B224BI).....	83.02	12.97
28 46 21 33-0837 EA Base, Smoke Detector, Intelligent. (Johnson Controls, Inc. #B224RB).....	78.83	12.97
28 46 21 33-0838 EA Base, Smoke Detector, 2 Wire. (Johnson Controls, Inc. #B401).....	38.49	12.97
28 46 21 33-0839 EA Intelligent Detector Base, Without Flange. (Johnson Controls, Inc. #B501J).....	35.52	12.97
28 46 21 33-0840 EA Battery Cabinet, Lockable. (Johnson Controls, Inc. #BB-100).....	539.88	51.88
28 46 21 33-0841 EA Projected Beam Smoke Detector, Single-ended Reflected Type, Includes Trouble Relay, Transmitter/Receiver In One Unit. (Johnson Controls, Inc. #Beam1224).....	1,232.38	77.82
28 46 21 33-0842 EA Same As Beam1224 With Built-in Sensitivity Test Filter. (Johnson Controls, Inc. #Beam1224S).....	1,299.68	77.82
28 46 21 33-0843 EA Mounting Kit, Long RG, Beam. (Johnson Controls, Inc. #BeamLRK).....	147.08	12.97
28 46 21 33-0844 EA Mounting Kit, Beam Detect. (Johnson Controls, Inc. #BeamMMK).....	102.22	12.97
28 46 21 33-0845 EA Digital Audio Amplifier, 50 Watt, 25 VRMS (Johnson Controls, Inc. #DAA-5025).....	1,233.37	77.82
28 46 21 33-0846 EA Digital Audio Amplifier, 50 Watt, 25 VRMS, Multi-Fiber (Johnson Controls, Inc. #DAA-5025F).....	1,142.65	77.82
28 46 21 33-0847 EA Digital Audio Amplifier, 50 Watt, 25 VRMS, Single-Fiber (Johnson Controls, Inc. #DAA-5025SF).....	1,142.65	77.82
28 46 21 33-0848 EA Digital Audio Amplifier, 50 Watt, 70 VRMS (Johnson Controls, Inc. #DAA-5070).....	1,331.36	77.82
28 46 21 33-0849 EA Amplifier, Digital Audio. (Johnson Controls, Inc. #DAA-5070E).....	1,232.38	77.82
28 46 21 33-0850 EA Digital Audio Amplifier, 50 Watt, 70 VRMS, Multi-Fiber (Johnson Controls, Inc. #DAA-5070F).....	1,232.38	77.82
28 46 21 33-0851 EA Digital Audio Amplifier, 50 Watt, 70 VRMS, Single-Fiber (Johnson Controls, Inc. #DAA-5070SF).....	1,232.38	77.82
28 46 21 33-0852 EA Digital Audio Amplifier, 75 Watt, 25 VRMS (Johnson Controls, Inc. #DAA-7525).....	1,463.11	77.82
28 46 21 33-0853 EA Digital Audio Amplifier, 75 Watt, 25 VRMS, Multi Fiber (Johnson Controls, Inc. #DAA-7525F).....	1,463.11	77.82
28 46 21 33-0854 EA Digital Audio Amplifier, 75 Watt, 25 VRMS, Single Fiber (Johnson Controls, Inc. #DAA-7525SF).....	1,463.11	77.82
28 46 21 33-0855 EA Innovairflex Intelligent. (Johnson Controls, Inc. #DNR).....	165.00	25.94
28 46 21 33-0856 EA Innovairflex Duct Detect. (Johnson Controls, Inc. #DNRW).....	243.46	25.94
28 46 21 33-0857 EA Innovairflex Sample Tube. (Johnson Controls, Inc. #DST1).....	27.90	10.38
28 46 21 33-0858 EA Innovairflex Sample Tube. (Johnson Controls, Inc. #DST1.5).....	29.75	10.38
28 46 21 33-0859 EA Innovairflex Sample Tube. (Johnson Controls, Inc. #DST10).....	65.64	15.57
28 46 21 33-0860 EA Innovairflex Sample Tube. (Johnson Controls, Inc. #DST3).....	33.88	10.38
28 46 21 33-0861 EA Innovairflex Sample Tube. (Johnson Controls, Inc. #DST5).....	41.95	12.97
28 46 21 33-0862 EA Digital Voice Command, Analog Output. (Johnson Controls, Inc. #DVC-AO).....	244.79	25.94
28 46 21 33-0863 EA Digital Voice Command, Keypad. (Johnson Controls, Inc. #DVC-KD).....	413.33	51.88
28 46 21 33-0864 EA Equipment Cabinet Used To House DAA Digital Amplifiers, XP10/6 Series Transponders, AA-Amplifiers, ACPS-610 Or AMPS-24; B Size, Black. (Johnson Controls, Inc. #EQBB-B4).....	368.44	77.82
28 46 21 33-0865 EA Equipment Cabinet Used To House DAA Digital Amplifiers, XP10/6 Series Transponders, AA-Amplifiers, ACPS-610 Or AMPS-24; C Size, Black. (Johnson Controls, Inc. #EQBB-C4).....	489.27	77.82
28 46 21 33-0866 EA Equipment Cabinet Used To House DAA Digital Amplifiers, XP10/6 Series Transponders, AA-Amplifiers, ACPS-610 Or AMPS-24; D Size, Black. (Johnson Controls, Inc. #EQBB-D4).....	529.65	77.82
28 46 21 33-0867 EA Equipment Cabinet Door; B Size Black. (Johnson Controls, Inc. #EQDR-B4).....	257.90	10.38
28 46 21 33-0868 EA Equipment Cabinet Door; C Size Black. (Johnson Controls, Inc. #EQDR-C4).....	385.03	10.38
28 46 21 33-0869 EA Equipment Cabinet Door; D Size Black. (Johnson Controls, Inc. #EQDR-D4).....	422.43	10.38
28 46 21 33-0870 EA 6.0 Amps, 120 VAC Remote Charger Power Supply. Includes Main Printed Circuit Board, Transformers And Installation Instructions (Johnson Controls, Inc. #FCPS-24S6).....	728.66	103.76
28 46 21 33-0871 EA 8.0 Amps, 120 VAC Remote Charger Power Supply. Includes Main Printed Circuit Board, Transformers And Installation Instructions (Johnson Controls, Inc. #FCPS-24S8).....	733.02	103.76
28 46 21 33-0872 EA 80 Character Display Annunciator. "Security Keypad" Mechanical Design. For Use With The IFC-320, JCPU2-640, JCPU-640 And IFC-400/300 (Rev 3.62+) Only. (Johnson Controls, Inc. #FDU-80G).....	680.56	77.82
28 46 21 33-0873 EA Fireman's Telephone Hand Set. (Johnson Controls, Inc. #FHS).....	124.65	12.97
28 46 21 33-0874 EA Fire Phone Storage Cabinet, Recessed, Holds 6 Phones. (Johnson Controls, Inc. #FHSC-R).....	345.29	25.94
28 46 21 33-0875 EA Door Holder, Magnetic, Floor. (Johnson Controls, Inc. #FM980).....	200.67	38.91
28 46 21 33-0876 EA Door Holder, Magnetic, Wall. (Johnson Controls, Inc. #FM996).....	168.85	38.91
28 46 21 33-0877 EA Door Holder, Magnetic, Wall. (Johnson Controls, Inc. #FM998).....	176.09	38.91
28 46 21 33-0878 EA Addressable Beam Detector. (Johnson Controls, Inc. #FSB-200).....	1,235.84	51.88



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 21 33-0879 EA Addressable Beam Detector With Remote Test Feature. (Johnson Controls, Inc. #FSB-200S).....	1,501.40	51.88
28 46 21 33-0880 EA Intelligent Addressable HARSH (Hostile Area Smoke Head) Detector; Photo, Requires B501B-FTXJ Base. (Johnson Controls, Inc. #FTX-P2J)	460.98	25.94
28 46 21 33-0881 EA IFC-320 Intelligent Fire Alarm Panel; Single Printed Circuit Board With One SLC Loop (318 Devices), Back-lit, 80 Character Display, System And Programming Keypad And 6.0 Amp Power Supply, 120 VAC, Includes Door, Dress Panel And Back Box, Black (Johnson Controls, Inc. #IFC-320)	3,308.63	415.03
28 46 21 33-0882 EA Upgrade Kit, ORG BLD. 640. (Johnson Controls, Inc. #IFC-640UG).....	1,514.29	51.88
28 46 21 33-0883 EA Workstation Only Workstation GUI Software And Hardware Package. (Johnson Controls, Inc. #IFI)	20,435.87	622.55
28 46 21 33-0884 EA Workstation With NFN Fiber PC Card Workstation GUI Software And Hardware Package. Includes NFN Gateway (JNFN-GW-PC-F) Fiber Version. (Johnson Controls, Inc. #IFI-F)	22,230.43	622.55
28 46 21 33-0885 EA Workstation With Echelon Wire PC Card Workstation GUI Software And Hardware Package For Building Systems Integration, WSSUP Workstation Supervisor. Includes Echelon® Gateway (ECH-GW-PC-W) Wire Version. (Johnson Controls, Inc. #IFI-IP).....	24,922.28	622.55
28 46 21 33-0886 EA Workstation With NFN Wire PC Card Workstation GUI Software And Hardware Package. Includes NFN Gateway (JNFN-GW-PC-W) Wire Version. (Johnson Controls, Inc. #IFI-W).....	22,230.43	622.55
28 46 21 33-0887 EA Annunciator Flush Box. Mounts One Annunciator Module. (Johnson Controls, Inc. #JABF-1B)	154.96	15.57
28 46 21 33-0888 EA Annunciator Flush Box. One Module. Attractive Glass Door And Key Lock. (Johnson Controls, Inc. #JABF-1DB).....	172.90	15.57
28 46 21 33-0889 EA Annunciator Flush Box. Mounts Two Annunciator Modules. (Johnson Controls, Inc. #JABF-2B)	187.26	15.57
28 46 21 33-0890 EA Annunciator Flush Box. Mounts Four Annunciator Modules. (Johnson Controls, Inc. #JABF-4B).....	339.80	15.57
28 46 21 33-0891 EA Annunciator Surface Box. Deep With Trim Cover. (Johnson Controls, Inc. #JABS-1TB).....	114.06	10.38
28 46 21 33-0892 EA Surface (or Semi-flush) Mount Backbox. Used With The INA, ACS Annunciators, SCS Series, JNCA And JNCA-2 Black. (Johnson Controls, Inc. #JABS-2D)	183.38	23.34
28 46 21 33-0893 EA Surface (or Semi-flush) Mount Backbox. Used With The INA, ACS Annunciators, SCS Series, JNCA And JNCA-2 Red. (Johnson Controls, Inc. #JABS-2DR).....	193.67	23.34
28 46 21 33-0894 EA Surface (or Semi-flush) Mount INA, ACS, Or SCS Backbox, Black. (Johnson Controls, Inc. #JABS-4D)	340.99	23.34
28 46 21 33-0895 EA Audio Command Door For CAB-B4, Black; Required When Using CA-2. (Johnson Controls, Inc. #JADDR-B4).....	330.32	10.38
28 46 21 33-0896 EA Audio Command Door For CAB-C4, Black; Required When Using CA-2. (Johnson Controls, Inc. #JADDR-C4).....	442.48	10.38
28 46 21 33-0897 EA Audio Command Door For CAB-D4, Black; Required When Using CA-2. (Johnson Controls, Inc. #JADDR-D4).....	545.67	10.38
28 46 21 33-0898 EA Addressable Pull Station; With FlashScan. (Johnson Controls, Inc. #JBG-12LX).....	170.92	25.94
28 46 21 33-0899 EA Battery Dress Panel For CAB-4 Series; For Use With The JCPU2-3030, JCPU2-640, JNCA-2, And DVC Systems. (Johnson Controls, Inc. #JBP2-4).....	78.46	10.38
28 46 21 33-0900 EA JCPU2-3030 CPU With 640-character Display; Required For Single Panel (One CPU2-3030) Systems. Includes: CPU, 640-Character Backlit LCD Display, QWERTY Programming And Control Keypad, Installation, Programming And Operating Manuals. Supports One To 10 Signaling Line Circuits (Up To Five LCM-320 And Five LEM-320). Order One Per System Or As Necessary (Up To 103 Network Nodes) For A Networked System. Requires Top Row Of A Cabinet. (Johnson Controls, Inc. #JCPU2-3030D)	3,301.84	415.03
28 46 21 33-0901 EA Central Processing Unit For The JCPU2-640 With Integral 120 VAC Power Supply, Includes CHS2-M2 Chassis (Johnson Controls, Inc. #JCPU2-640).....	2,392.53	311.28
28 46 21 33-0902 EA Main Board, CPU, IFC3030, DI. (Johnson Controls, Inc. #JCPU-3030D).....	4,192.67	415.03
28 46 21 33-0903 EA Main Board, CPU, IFC640. (Johnson Controls, Inc. #JCPU-640).....	3,960.51	311.28
28 46 21 33-0904 EA Main Board, CPU, IFC640, EUR. (Johnson Controls, Inc. #JCPU-640E).....	2,919.85	311.28
28 46 21 33-0905 EA Digital Voice Command, Extended Memory. (Johnson Controls, Inc. #JDVC-EM).....	1,498.49	38.91
28 46 21 33-0906 EA Digital Voice Command, Extended Memory, Multi-Fiber. (Johnson Controls, Inc. #JDVC-EMF).....	1,513.47	38.91
28 46 21 33-0907 EA Digital Voice Command, Extended Memory, Single-Fiber. (Johnson Controls, Inc. #JDVC-EMSF).....	1,513.47	38.91
28 46 21 33-0908 EA Annunciator, Network Control. (Johnson Controls, Inc. #JNCA).....	1,795.60	51.88
28 46 21 33-0909 EA Network Control Annunciator-2, 640-characters; On Single Panel (one JCPU2-640) JCPU2-640 Systems, The JNCA-2 Can Be The Primary Display For The Panel And Connects Directly To The JCPU2-640. On Network Systems (Two Or More JCPU2-640's), One Network Display (Either JNCA-2 Or IFW) Is Required For Every System And Each JNCA-2 Connects To And Requires An NCM Network Control Module. Mounts In A Row Of FACP Node Or In Two Annunciator Module Positions. Mounting Options Include: NCA/640-2-Kit (directly Mounting To The CHS2-M2), CA-2, ADP-4B, Or In An Annunciator Box, Such As The ABS-2DB (requires The CHS-2D). (Johnson Controls, Inc. #JNCA-2).....	1,527.74	51.88
28 46 21 33-0910 EA Mass Notification Voice Paging; Requires JNOTIFY-PAA Hardware Package (Sold Separately). (Johnson Controls, Inc. #JNOTIFY-IP).....	1,519.84	311.28
28 46 21 33-0911 EA 160 Character Display Annunciator; For Use With JCPU-3030 And JCPU2-3030. (Johnson Controls, Inc. #LCD- 160)	1,096.71	51.88
28 46 21 33-0912 EA 80 Character LCD Annunciator. Mounts In ABS-1T, ABF-1D, ABF-2D, Or Flush Back Box. (Johnson Controls, Inc. #LCD-80).....	909.14	51.88
28 46 21 33-0913 EA Loop Control Module. Each LCM May Be Expanded To Two Loops By Adding A LEM-320. IFC2- 3030 And IFC- 3030 Only. (Johnson Controls, Inc. #LCM-320).....	1,439.26	51.88
28 46 21 33-0914 EA Lamp Driver Annunciator Control Module. For Use With Custom Graphic Annunciators. 32 Points. (Johnson Controls, Inc. #LDM-32)	443.17	12.97
28 46 21 33-0915 EA Cable 24": LDM TO Annunciator. (Johnson Controls, Inc. #LDM-CBL24).....	147.26	10.38
28 46 21 33-0916 EA Cable 48": LDM TO Annunciator. (Johnson Controls, Inc. #LDM-CBL48).....	179.56	10.38
28 46 21 33-0917 EA Lamp Driver Annunciator Expander Module. For Use With Custom Graphic Annunciators. 32 Points. (Johnson Controls, Inc. #LDM-E32)	358.84	12.97
28 46 21 33-0918 EA Relay Module. 32 Form-A Contacts. Connects To LDM-32 Or LDM-E32. (Johnson Controls, Inc. #LDM-R32).....	650.45	12.97
28 46 21 33-0919 EA Loop Expander Module. Mounts As Daughter Board To LCM-320 To Provide Even Numbered SLC Loops. (Johnson Controls, Inc. #LEM-320).....	1,170.67	12.97
28 46 21 33-0920 EA Addressable Control Module With FlashScan; Configured For One Class A Or Class B NAC. (Johnson Controls, Inc. #M300CJ)	100.76	12.97
28 46 21 33-0921 EA Addressable Dual Monitor Module; With FlashScan, Two Class B Circuits. (Johnson Controls, Inc. #M300DJ).....	154.78	12.97
28 46 21 33-0922 EA Addressable Monitor Module; With FlashScan; Supervises Either A Class A Or Class B Circuit Of N.D. Dry- contact Input Devices. (Johnson Controls, Inc. #M300MJ).....	81.19	12.97
28 46 21 33-0923 EA Addressable Relay Module With FlashScan; Provides Two Form-C Dry Contacts That Switch Together. (Johnson Controls, Inc. #M300RJ).....	110.01	12.97
28 46 21 33-0924 EA Addressable Mini Module With FlashScan; Supervises A Class B Circuit Of N.D. Dry-contact Devices. (Johnson Controls, Inc. #M301MJ)	88.76	12.97
28 46 21 33-0925 EA Addressable 2-Wire Detector Monitor Module; With FlashScan. (Johnson Controls, Inc. #M302MJ).....	138.60	12.97
28 46 21 33-0926 EA Addressable Firephone Control Module With Flashscan. (Johnson Controls, Inc. #M500FPJ).....	156.69	12.97
28 46 21 33-0927 EA SLC Loop Isolator Module; Isolates Against Short Circuits On The SLC. (Johnson Controls, Inc. #M500XJ).....	92.61	12.97
28 46 21 33-0928 EA Network INTFC, P2P, Wire. (Johnson Controls, Inc. #MB-W).....	1,255.05	38.91
28 46 21 33-0929 EA Network Adapter, Fiber. (Johnson Controls, Inc. #NAM-232F).....	1,109.77	25.94
28 46 21 33-0930 EA Network Adapter, Wire. (Johnson Controls, Inc. #NAM-232W).....	1,027.22	25.94



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 21 33-0931	EA		Plate, Retrofit, NCA-2. (Johnson Controls, Inc. #NCA-2RETRO)	41.78	5.19
28 46 21 33-0932	EA		Network Control Module - Multi Mode Fiber; Order One NCM Per Network Node (JCPU-640/3030, JNCA, JCPU2-640/3030, JNCA-2, DVC, Etc). (Johnson Controls, Inc. #NCM-F)	901.08	25.94
28 46 21 33-0933	EA		Network Control Module - Wire; Order One NCM Per Network Node (JCPU-640/3030, JNCA, JCPU2-640/3030, JNCA-2, DVC, Etc). (Johnson Controls, Inc. #NCM-W)	858.96	25.94
28 46 21 33-0934	EA		NFV-25/50. (Johnson Controls, Inc. #NFV-25/50)	2,182.18	51.88
28 46 21 33-0935	EA		NU-RPT101-1U RS485. (Johnson Controls, Inc. #NU-RPT101-1U)	614.85	25.94
28 46 21 33-0936	EA		Key Switch, Remote Control. (Johnson Controls, Inc. #RKS-S)	170.59	10.38
28 46 21 33-0937	EA		Microphone Assembly For Mounting To An ADP-4 Dress Panel. (Johnson Controls, Inc. #RM-1)	395.55	25.94
28 46 21 33-0938	EA		Microphone Assembly For Mounting In An CAB-RM Cabinet. (Johnson Controls, Inc. #RM-1SA)	395.55	25.94
28 46 21 33-0939	EA		Remote Page Jack. Allows Remote All-Call Paging. (Johnson Controls, Inc. #RPJ-1)	108.69	10.38
28 46 21 33-0940	EA		SA-WBB, Weatherproof. (Johnson Controls, Inc. #SA-WBB)	30.67	5.19
28 46 21 33-0941	EA		SA-WBBC, Weatherproof. (Johnson Controls, Inc. #SA-WBBC)	30.67	5.19
28 46 21 33-0942	EA		Strobe, Standard, 12/24 VDC, Red (Johnson Controls, Inc. #SCR)	131.67	38.91
28 46 21 33-0943	EA		Strobe, HI, 12/24 VDC, Red (Johnson Controls, Inc. #SCRH)	144.22	38.91
28 46 21 33-0944	EA		Strobe, HI, Outdoor, Red. (Johnson Controls, Inc. #SCRHK)	168.96	44.10
28 46 21 33-0945	EA		Strobe, Standard, Outdoor, Red. (Johnson Controls, Inc. #SCRK)	167.16	44.10
28 46 21 33-0946	EA		Smoke Control Master; Includes Eight On/off/auto Switches. Supports One SCE-8. Includes Manual, Slide-in Labels. Mounts In ADP-4 Or ABS-4D. (Johnson Controls, Inc. #SCS-8)	978.29	103.76
28 46 21 33-0947	EA		Smoke Control Lamp Driver. Outputs For 8 On/off/auto Switches With LED's. Intended For Custom Built Smoke Control Stations. Support One SCE-8L. (Johnson Controls, Inc. #SCS-8L)	780.88	103.76
28 46 21 33-0948	EA		Strobe, Standard, 12/24 VDC, White (Johnson Controls, Inc. #SCW)	131.67	38.91
28 46 21 33-0949	EA		Strobe, HI, 12/24 VDC, Red (Johnson Controls, Inc. #SCWH)	144.22	38.91
28 46 21 33-0950	EA		Strobe, Standard, 12/24 VDC, White (Johnson Controls, Inc. #SCW-P)	131.67	38.91
28 46 21 33-0951	EA		Mounting Kit, M300/M500. (Johnson Controls, Inc. #SMB500)	26.45	10.38
28 46 21 33-0952	EA		SMK-MOV Kit-LON. (Johnson Controls, Inc. #SMK-MOVKit-LON)	24.78	5.19
28 46 21 33-0953	EA		SMK-MOV Kit-MSTP. (Johnson Controls, Inc. #SMK-MOVKit-MSTP)	27.66	5.19
28 46 21 33-0954	EA		SPBBS, Wall, Back Box. (Johnson Controls, Inc. #SPBBS)	24.80	5.19
28 46 21 33-0955	EA		Strobe, Standard, 12/24 VDC, Red (Johnson Controls, Inc. #SR)	123.01	38.91
28 46 21 33-0956	EA		Strobe, HI, 12/24 VDC, Red (Johnson Controls, Inc. #SRH)	144.22	38.91
28 46 21 33-0957	EA		Strobe, HI, Outdoor, Red. (Johnson Controls, Inc. #SRHK)	168.96	44.10
28 46 21 33-0958	EA		Strobe, HI, 12/24 VDC, Red (Johnson Controls, Inc. #SRH-P)	144.22	38.91
28 46 21 33-0959	EA		Strobe, Standard, Outdoor, Red. (Johnson Controls, Inc. #SRK)	167.16	44.10
28 46 21 33-0960	EA		Strobe, Standard, 12/24 VDC, Red (Johnson Controls, Inc. #SR-P)	131.67	38.91
28 46 21 33-0961	EA		Strobe, Standard, 12/24 VDC, White (Johnson Controls, Inc. #SW)	131.67	38.91
28 46 21 33-0962	EA		Strobe, HI, 12/24 VDC, White (Johnson Controls, Inc. #SWH)	144.22	38.91
28 46 21 33-0963	EA		Strobe, HI, 12/24 VDC, White (Johnson Controls, Inc. #SWH-P)	144.22	38.91
28 46 21 33-0964	EA		Strobe, Standard, 12/24 VDC, White (Johnson Controls, Inc. #SW-P)	131.67	38.91
28 46 21 33-0965	EA		Firefighter's Telephone Handset Only. (Johnson Controls, Inc. #TELH-1)	150.66	12.97
28 46 21 33-0966	EA		Universal Digital Alarm Communicator Transmitter. (Johnson Controls, Inc. #UDACT)	660.74	51.88
28 46 21 33-0967	EA		Speaker Strobe, Ceiling, White, 2 W (MAX), Dual Voltage, Multi (Johnson Controls, Inc. #SPSCW)	190.71	51.88
28 46 21 33-0968	EA		Speaker, White, Ceiling Mount. (Johnson Controls, Inc. #SPCW)	84.44	25.94
28 46 21 33-0969	EA		Speaker, White, Ceiling Mount, High Db. (Johnson Controls, Inc. #SPCWV)	84.44	25.94
28 46 21 33-0970	EA		Speaker Strobe, Red, Ceiling Mount, Standard Candela. (Johnson Controls, Inc. #SPSCR)	138.83	25.94
28 46 21 33-0971	EA		Speaker Strobe, Red, Ceiling Mount, High Candela. (Johnson Controls, Inc. #SPSCRH)	149.23	25.94
28 46 21 33-0972	EA		Speaker Strobe, Red, Ceiling Mount, High Candela, High Db. (Johnson Controls, Inc. #SPSCRHV)	149.23	25.94
28 46 21 33-0973	EA		Speaker Strobe, White, Ceiling Mount, High Db. (Johnson Controls, Inc. #SPSCWV)	134.70	25.94
28 46 21 33-0974	EA		Speaker Strobe Wall, WP, White, 2W (MAX), Dual Volt, Multi D (Johnson Controls, Inc. #SPSWK)	176.35	25.94
28 46 21 33-0975	EA		Speaker Strobe, Wall, White, Standard Candela. (Johnson Controls, Inc. #SPSW)	138.83	25.94
28 46 21 33-0976	EA		Wall Mount Speaker, White. (Johnson Controls, Inc. #SPW)	84.44	25.94
28 46 21 33-0977	EA		Wall Mount Speaker, Red. (Johnson Controls, Inc. #SPR)	84.44	25.94
28 46 21 33-0978	EA		Speaker Strobe, Wall, White, High Cd. (Johnson Controls, Inc. #SPSWH)	149.23	25.94
28 46 21 33-0979	EA		Speaker Strobe, Wall, Red, High Cd. (Johnson Controls, Inc. #SPSR)	138.83	25.94
28 46 21 33-0980	EA		Speaker Strobe, Wall, Red, High Db, High Candela. (Johnson Controls, Inc. #SPSRV)	138.83	25.94

28 46 21 33-0981 Honeywell Fire Alarm (28 46 21 33)

28 46 21 33-0982 Notifier Fire Alarm (28 46 21 33-0981)

28 46 21 33-0983 Fire Alarm Control Panel And Accessories (28 46 21 33-0982)

28 46 21 33-0984	EA		NFS2-3030 CPU For Intelligent Fire Alarm Control Panel (Notifier CPU2-3030D)	4,193.98	518.80
28 46 21 33-0985	EA		NFS2-640 CPU For Intelligent Fire Alarm Control Panel (Notifier CPU2-640)	3,579.78	518.80
28 46 21 33-0986	EA		Black, 120 VAC, Intelligent Fire Alarm Control Panel (Notifier NFS-320)	4,186.75	518.80
28 46 21 33-0987	EA		Supports Installation Of Optional ACM-Series Annunciator In Same Cabinet, Black, 120 VAC, Intelligent Fire Alarm Control Panel (Notifier NFS-320C)	4,274.38	518.80
28 46 21 33-0988	EA		Black, 240 VAC, Intelligent Fire Alarm Control Panel (Notifier NFS-320E)	4,179.18	518.80
28 46 21 33-0989	EA		Red, 120 VAC, Intelligent Fire Alarm Control Panel (Notifier NFS-320R)	4,179.18	518.80
28 46 21 33-0990	EA		Two-Tone Sequential Module (Notifier 2TTM)	203.88	25.94
28 46 21 33-0991	EA		5', Not Low Loss, Antenna Cable (Notifier 7626-5C)	59.98	5.19
28 46 21 33-0992	EA		25', Low Loss, Antenna Cable (Notifier 7626-25HC)	116.75	10.38
28 46 21 33-0993	EA		50', Low Loss, Antenna Cable (Notifier 7626-50HC)	177.53	15.57
28 46 21 33-0994	EA		IPGSM-COM, IPGSM-COMa Handheld Programmer (Notifier 7720P)	268.80	
28 46 21 33-0995	EA		RJ45-DB9F Serial Programming Cable (Notifier ALMSC-119)	38.40	
28 46 21 33-0996	EA		120VAC Power Supply, Chassis, 80-Character Display, Keypad, NFS-320SYS CPU (Notifier CPU-320SYS)	4,101.58	518.80
28 46 21 33-0997	EA		240VAC Power Supply, Chassis, 80-Character Display, Keypad, NFS-320SYS CPU (Notifier CPU-320SYS)	4,101.58	518.80
28 46 21 33-0998	EA		3 dB Gain External/Remote Antenna (Notifier GSM-ANT3dB)	147.18	5.19
28 46 21 33-0999	EA		Plug In Transformer Box For IPGSM Communicator (Notifier HPTCOVER)	46.38	5.19
28 46 21 33-1000	EA		Mounting Bracket Kit For SFB-5UD, SFB-10UD, NFW2-100 And NFW-50 (Notifier IPBRKT)	60.75	10.38
28 46 21 33-1001	EA		Chassis To Mount IP Communicator In CHSA Series Chassis (Notifier IPCHSKIT)	69.14	12.97
28 46 21 33-1002	EA		IP Communicator (Notifier IPDACT-2)	496.68	25.94
28 46 21 33-1003	EA		IP Communicator With Upload/Download Capability (Notifier IPDACT-2UD)	576.68	25.94



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 21 33-1004	EA			Red, IP Communicator External Mounting Enclosure (Notifier IPENC) Note: Includes IPBRKT.	140.68	25.94
28 46 21 33-1005	EA			Black, IP Communicator External Mounting Enclosure (Notifier IPENC-B)..... Note: Includes IPBRKT	140.68	25.94
28 46 21 33-1006	EA			Single Or Dual Path Commercial Fire Communicator (Notifier IPGSM-4G).....	693.82	38.91
28 46 21 33-1007	EA			Dual 8TPC To Single 8TPC "Y" Splitter With Two 9" Cables For Combining Panel Phone Jacks To One IPDACT Input (Notifier IPSPLT)	38.35	10.38
28 46 21 33-1008	EA			Loop Control Module (Notifier LCM-320)	1,315.31	51.88
28 46 21 33-1009	EA			Loop Expander Module (Notifier LEM-320).....	1,143.49	51.88
28 46 21 33-1010	EA			Keyboard Display Module For CPU2-640 (Notifier KDM-R2).....	1,006.20	51.88
28 46 21 33-1011	EA			7" DACT Phone Cord (Notifier MCBL-7)	18.38	
28 46 21 33-1012	EA			Backbox For UDACT, With Viewing Window And Optional Relay Mount (Notifier UBS-1)	126.74	12.97
28 46 21 33-1013	EA			Red, Metal Enclosure With Solid Door For Remote Mounting Of The UDACT-2 (Notifier UBS-1R)	152.68	25.94
28 46 21 33-1014	EA			Black, Metal Enclosure With Solid Door For Remote Mounting Of The UDACT-2 (Notifier UBS-1B)	152.68	25.94
28 46 21 33-1015	EA			Universal Digital Alarm Communicator Transmitter (Notifier UDACT-2)	551.88	25.94
28 46 21 33-1016	EA			Universal Zone Coder (Notifier UZC-256)	739.88	25.94
28 46 21 33-1017	EA			Hardware Kit To Connect UZC-256 To A PC (Notifier UZC-HI)..... Note: Includes null modem cable, AC power adapter, and 9-pin to 25-pin converter.	223.18	
28 46 21 33-1018	EA			Programming Software For ONYX Series Products, DVC And Associated Amplifiers, DVC-RPU And UDACT-2 (Notifier VERIFIRE-TCD).....	540.32	
28 46 21 33-1019	EA			ONYX Series Verifire Tools Upgrade (Notifier VERIFIREUG-TCD).....	373.92	
28 46 21 33-1020	EA			Central Station Receiver For Fire And Security (Notifier VISORALARM-PLUS).....	3,411.13	15.57
28 46 21 33-1021 ONYX Cabinets <small>(28 46 21 33-0982)</small>						
28 46 21 33-1022	EA			Red, Two Tier Door For CA-2 Chassis Configuration (Notifier ADDR-B4R)	319.54	12.97
28 46 21 33-1023	EA			Red, Three Tier Door For CA-2 Chassis Configuration (Notifier ADDR-C4R)	425.14	12.97
28 46 21 33-1024	EA			Red, Four Tier Door For CA-2 Chassis Configuration (Notifier ADDR-D4R)	522.74	12.97
28 46 21 33-1025	EA			Battery Dress Plate For NFS-640 And NFS-3030 (Notifier BP-4)	84.73	15.57
28 46 21 33-1026	EA			Chassis Bridge (Notifier CB-1).....	73.94	12.97
28 46 21 33-1027	EA			Four Position Chassis (Notifier CHS-4)	121.14	12.97
28 46 21 33-1028	EA			Low Profile 1st Row Chassis Assembly For CPU-640 / CPU-640E (Notifier CHS-M2)	146.62	25.94
28 46 21 33-1029	EA			Black, Dress Panel Blank, Covers Unused Cabinet Row(s) (Notifier DP-1B)	68.33	15.57
28 46 21 33-1030	EA			Dress Plate For Top Row With CPU2-3030D (Notifier DP-DISP)	91.93	15.57
28 46 21 33-1031	EA			One Tier, "A" Size Door Assembly, Lexan Window, Lock And Keys (Notifier DR-A4)	257.42	25.94
28 46 21 33-1032	EA			One Tier, "A" Size Door Assembly, Solid Door, Lock And Keys (Notifier DR-A4B)	169.90	25.94
28 46 21 33-1033	EA			Two Tier, "B" Size Door Assembly, Lexan Window, Lock And Keys (Notifier DR-B4)	329.92	38.91
28 46 21 33-1034	EA			Two Tier, "B" Size Door Assembly, Solid Door, Lock And Keys (Notifier DR-B4B)	213.51	38.91
28 46 21 33-1035	EA			Three Tier, "C" Size Door Assembly, Lexan Window, Lock And Keys (Notifier DR-C4)	488.34	51.88
28 46 21 33-1036	EA			Three Tier, "C" Size Door Assembly, Solid Door, Lock And Keys (Notifier DR-C4B)	310.90	51.88
28 46 21 33-1037	EA			Four Tier, "D" Size Door Assembly, Lexan Window, Lock And Keys (Notifier DR-D4)	593.76	64.85
28 46 21 33-1038	EA			Four Tier, "D" Size Door Assembly, Solid Door, Lock And Keys (Notifier DR-D4B)	364.14	64.85
28 46 21 33-1039	EA			Black, One Tier, "AA" Size Door Assembly With Window, Lock And Keys (Notifier DR-AA4)	181.94	12.97
28 46 21 33-1040	EA			Black, One Tier, "AA" Size Door Assembly, Lock And Keys (Notifier DR-AA4B).....	123.54	12.97
28 46 21 33-1041	EA			Red, One Tier, "AA" Size Door Assembly, Lock And Keys (Notifier DR-AA4BR)	116.34	12.97
28 46 21 33-1042	EA			Red, One Tier, "AA" Size Door Assembly With Window, Lock And Keys (Notifier DR-AA4R).....	182.74	12.97
28 46 21 33-1043	EA			Red, One Tier, "A" Size Blank Door Assembly, Lock And Keys (Notifier DR-A4BR)	143.54	12.97
28 46 21 33-1044	EA			Red, One Tier, "A" Size Door Assembly, Lexan Window, Lock And Keys (Notifier DR-A4R)	230.74	12.97
28 46 21 33-1045	EA			Red, Two Tier, "B" Size Door Assembly, Solid Door, Lock And Keys (Notifier DR-B4BR)	161.14	12.97
28 46 21 33-1046	EA			Red, Two Tier, "B" Size Door Assembly, Lexan Window, Lock And Keys (Notifier DR-B4R)	277.14	12.97
28 46 21 33-1047	EA			Red, Three Tier, "C" Size Door Assembly, Solid Door, Lock And Keys (Notifier DR-C4BR)	232.34	12.97
28 46 21 33-1048	EA			Red, Three Tier, "C" Size Door Assembly, Lexan Window, Lock And Keys (Notifier DR-C4R)	409.14	12.97
28 46 21 33-1049	EA			Red, Four Tier, "D" Size Door Assembly, Solid Door, Lock And Keys (Notifier DR-D4BR)	259.54	12.97
28 46 21 33-1050	EA			Red, Four Tier, "D" Size Door Assembly, Lexan Window, Lock And Keys (Notifier DR-D4R)	488.34	12.97
28 46 21 33-1051	EA			Black, Two Tiers, Equipment Backbox Assembly (Notifier EQBB-B4).....	252.68	25.94
28 46 21 33-1052	EA			Black, Three Tiers, Equipment Backbox Assembly (Notifier EQBB-C4)	363.08	25.94
28 46 21 33-1053	EA			Black, Four Tiers, Equipment Backbox Assembly (Notifier EQBB-D4)	426.28	25.94
28 46 21 33-1054	EA			Black, Vented, Two Tiers, Equipment Door Assembly (Notifier EQDR-B4)	270.28	25.94
28 46 21 33-1055	EA			Black, Vented, Three Tiers, Equipment Door Assembly (Notifier EQDR-C4)	387.88	25.94
28 46 21 33-1056	EA			Black, Vented, Four Tiers, Equipment Door Assembly (Notifier EQDR-D4)	449.48	25.94
28 46 21 33-1057	EA			Red, Two Tiers, Equipment Backbox Assembly (Notifier EQBB-B4R)	252.68	25.94
28 46 21 33-1058	EA			Red, Three Tiers, Equipment Backbox Assembly (Notifier EQBB-C4R)	363.08	25.94
28 46 21 33-1059	EA			Red, Four Tiers, Equipment Backbox Assembly (Notifier EQBB-D4R).....	426.28	25.94
28 46 21 33-1060	EA			Red, Vented, Two Tiers, Equipment Door Assembly (Notifier EQDR-B4R).....	270.28	25.94
28 46 21 33-1061	EA			Red, Vented, Three Tiers, Equipment Door Assembly (Notifier EQDR-C4R)	387.88	25.94
28 46 21 33-1062	EA			Red, Vented, Four Tiers, Equipment Door Assembly (Notifier EQDR-D4R).....	449.48	25.94
28 46 21 33-1063	EA			Backbox With Door For ONYX Firstvision™ (Notifier FIRSTVISION-ENC)	2,350.80	129.70
28 46 21 33-1064	EA			CAB-4 Series Mounting Kit (Notifier P40-KITB)	231.88	25.94
				Note: Includes chassis, hinged dress plate, and mounting hardware.		
28 46 21 33-1065	EA			Black, One Tier Backbox Assembly (Notifier SBB-A4)	292.13	77.82
28 46 21 33-1066	EA			Black, Two Tier Backbox Assembly (Notifier SBB-B4)	409.04	103.76
28 46 21 33-1067	EA			Black, Three Tier Backbox Assembly (Notifier SBB-C4)	517.43	103.76
28 46 21 33-1068	EA			Black, Four Tier Backbox Assembly (Notifier SBB-D4).....	631.93	129.70
28 46 21 33-1069	EA			Black, Mini, One Tier, Backbox (Notifier SBB-AA4)	152.68	25.94
28 46 21 33-1070	EA			Red, Mini, One Tier, Backbox (Notifier SBB-AA4R).....	152.68	25.94
28 46 21 33-1071	EA			Red, One Tier Backbox Assembly (Notifier SBB-A4R)	187.88	25.94
28 46 21 33-1072	EA			Red, Two Tier Backbox Assembly (Notifier SBB-B4R)	252.68	25.94
28 46 21 33-1073	EA			Red, Three Tier Backbox Assembly (Notifier SBB-C4R)	360.68	25.94
28 46 21 33-1074	EA			Red, Four Tier Backbox Assembly (Notifier SBB-D4R)	423.08	25.94
28 46 21 33-1075	EA			Trim Ring For NFS-320 Cabinet (Notifier TR-320).....	136.73	15.57
28 46 21 33-1076	EA			Red, Trim Ring For NFS-320 Cabinet (Notifier TR-320R)	136.73	15.57

28 Electronic Safety And Security**28 40 Life Safety****28 46 Fire Detection And Alarm**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 21 33-1077	EA		Black, "AA" Size Trim Ring For CAB-4 Or CAB-3 Series Cabinet (Notifier TR-AA4).....	176.73	15.57
28 46 21 33-1078	EA		Black, "A" Size Trim Ring For CAB-4 Or CAB-3 Series Cabinet (Notifier TR-A4).....	145.53	15.57
28 46 21 33-1079	EA		Black, "B" Size Trim Ring For CAB-4 Or CAB-3 Series Cabinet (Notifier TR-B4).....	145.53	15.57
28 46 21 33-1080	EA		Black, "C" Size Trim Ring For CAB-4 Or CAB-3 Series Cabinet (Notifier TR-C4).....	143.93	15.57
28 46 21 33-1081	EA		Black, "D" Size Trim Ring For CAB-4 Or CAB-3 Series Cabinet (Notifier TR-D4).....	147.13	15.57
28 46 21 33-1082	EA		2" Filler Dress Plate For ADP-4B Installed In The Top Row Of A CAB-4 Series Backbox (Notifier VP-2B).....	63.53	15.57
28 46 21 33-1083	EA		Wire Trays For Routing Wire In A CAB-4 Series Backbox (Notifier WC-2).....	38.78	5.19
28 46 21 33-1084			NFS2-3030/640 Cabinet Mechanicals <small>(28 46 21 33-0982)</small>		
28 46 21 33-1085	EA		Dress Plate For Middle Rows With CPU2-640 (Notifier ADP2-640).....	89.74	15.57
28 46 21 33-1086	EA		Blank Module Dress Plate (Notifier BM-1B).....	76.09	15.57
28 46 21 33-1087	EA		Battery Dress Plate For NFS2-3030, NFS2-640, NCA-2 And DVC System (Notifier BP2-4).....	84.92	15.57
28 46 21 33-1088	EA		Four Position Expansion Chassis (Notifier CHS-4MB).....	177.14	12.97
28 46 21 33-1089	EA		Standard 1st Row Chassis Assembly For CPU-3030 (Notifier CHS-M3).....	193.43	38.91
28 46 21 33-1090	EA		Dress Plate For Top Row With CPU2-640 (Notifier DP-DISP2).....	92.95	15.57
28 46 21 33-1091			NFS-3030/640 Cabinet Mechanicals <small>(28 46 21 33-0982)</small>		
28 46 21 33-1092	EA		Annunciator Dress Plate (Notifier ADP-4B).....	85.73	15.57
28 46 21 33-1093	EA		Blank Module Dress Plate (Notifier BMP-1).....	57.63	15.57
28 46 21 33-1094	EA		Low Profile Four Position Chassis For AA-30 Or LDM (Notifier CHS-4L).....	123.74	25.94
28 46 21 33-1095	EA		Module Dress Plate (Notifier MP-1B).....	86.53	15.57
28 46 21 33-1096			Battery Cabinets <small>(28 46 21 33-0982)</small>		
28 46 21 33-1097	EA		Six Position Chassis (Notifier CHS-6).....	85.84	25.94
28 46 21 33-1098	EA		Black, 24" x 14" x 7-3/4" Battery Backbox (Notifier NFS-LBB).....	391.69	77.82
28 46 21 33-1099			Digital Voice <small>(28 46 21 33-0982)</small>		
28 46 21 33-1100	EA		Chassis Used With BB-XP (Notifier 18439).....	42.34	12.97
28 46 21 33-1101	EA		220 VAC, 100 Watts, 70.7 VRMS, Tone Generator, Audio Amplifier (Notifier AA-100E).....	1,497.02	38.91
28 46 21 33-1102	EA		220 VAC, 120 Watts, 25 VRMS, Tone Generator, Audio Amplifier (Notifier AA-120E).....	1,455.42	38.91
28 46 21 33-1103	EA		220 VAC, 30 Watts, 25 VRMS Audio Amplifier (Notifier AA-30E).....	709.02	38.91
28 46 21 33-1104	EA		Black, Two Tier Door For CA-2 Chassis Configuration (Notifier ADDR-B4).....	372.48	38.91
28 46 21 33-1105	EA		Black, Three Tier Door For CA-2 Chassis Configuration (Notifier ADDR-C4).....	504.40	51.88
28 46 21 33-1106	EA		Black, Four Tier Door For CA-2 Chassis Configuration (Notifier ADDR-D4).....	628.29	64.85
28 46 21 33-1107	EA		Multimode Audio Fiber Link Receiver (Notifier AFL-RM).....	619.88	25.94
28 46 21 33-1108	EA		Single Mode Audio Fiber Link Receiver (Notifier AFL-RS).....	1,356.68	25.94
28 46 21 33-1109	EA		Multimode Audio Fiber Link Transmitter (Notifier AFL-TM).....	619.88	25.94
28 46 21 33-1110	EA		Single Mode Audio Fiber Link Transmitter (Notifier AFL-TS).....	1,356.68	25.94
28 46 21 33-1111	EA		15" x 8-3/8" x 3-3/8", Flush Or Surface Mounted Backbox (Notifier AFAWS-BX).....	81.54	12.97
28 46 21 33-1112	EA		Flush Mounted, Key Lock, Door (Notifier AFAWS-KR).....	127.54	12.97
28 46 21 33-1113	EA		Surface Mounted, Key Lock, Door (Notifier AFAWS-KS).....	129.54	12.97
28 46 21 33-1114	EA		Flush Mounted, Latch Style Lock, Door (Notifier AFAWS-LR).....	127.94	12.97
28 46 21 33-1115	EA		Surface Mounted, Latch Style Lock, Door (Notifier AFAWS-LS).....	129.54	12.97
28 46 21 33-1116	EA		Armored Coil Cord, Telephone Chassis (Notifier AFAWS-TELA).....	239.54	12.97
28 46 21 33-1117	EA		Coil Cord, Telephone Chassis (Notifier AFAWS-TELC).....	195.94	12.97
28 46 21 33-1118	EA		Hammer Attached To Chain, Breakglass Insert (Notifier BRKG-B).....	54.38	
28 46 21 33-1119	EA		For 25 VRMS DAX Or DAA2 Series, Back-Up Digital Amplifier (Notifier BDA-25V).....	419.88	25.94
28 46 21 33-1120	EA		For 70 VRMS DAX Or DAA2 Series, Back-Up Digital Amplifier (Notifier BDA-70V).....	419.88	25.94
28 46 21 33-1121	EA		Blank Dress Plate For CA-2 (Notifier BP-CA2).....	77.14	12.97
28 46 21 33-1122	EA		One Tier Chassis For Digital Voice Command Panel (Notifier CA-1).....	109.69	25.94
28 46 21 33-1123	EA		Two Tier Chassis For Digital Voice Command Panel, With MIC-1 (Notifier CA-2).....	313.87	38.91
28 46 21 33-1124	EA		Black, 6.08" x 8.301" x 3.655", Remote Cabinet (Notifier CAB-RM).....	157.48	25.94
28 46 21 33-1125	EA		Red, 6.08" x 8.301" x 3.655", Remote Cabinet (Notifier CAB-RMR).....	157.48	25.94
28 46 21 33-1126	EA		Chassis, Phone Well, TELH-1 And Hardware (Notifier CFFT-1).....	173.14	12.97
28 46 21 33-1127	EA		Chassis With Paging Microphone With Well (Notifier CMIC-1).....	197.94	12.97
28 46 21 33-1128	EA		120 VAC, 50 Watts, 25 VRMS Digital Audio Amplifier (Notifier DAA-5025).....	1,206.42	25.94
28 46 21 33-1129	EA		Multi-Mode Fiber-Optic Media 50 Watts, 25 VRMS Digital Audio Amplifier (Notifier DAA-5025F).....	981.37	25.94
28 46 21 33-1130	EA		Single-Mode Fiber-Optic Media 50 Watts, 25 VRMS Digital Audio Amplifier (Notifier DAA-5025SF).....	981.37	25.94
28 46 21 33-1131	EA		120 VAC, 50 Watts, 70 VRMS Digital Audio Amplifier (Notifier DAA-5070).....	1,244.96	25.94
28 46 21 33-1132	EA		Multi-Mode Fiber-Optic Media 50 Watts, 70 VRMS Digital Audio Amplifier (Notifier DAA-5070F).....	1,065.87	25.94
28 46 21 33-1133	EA		120 VAC, 75 Watts, 25 VRMS Digital Audio Amplifier (Notifier DAA-7525).....	1,292.33	25.94
28 46 21 33-1134	EA		Single-Mode Fiber-Optic Media 75 Watts, 25 VRMS Digital Audio Amplifier (Notifier DAA-7525SF).....	1,277.12	25.94
28 46 21 33-1135	EA		Single-Mode Fiber-Optic Media 75 Watt, 25 VRMS Digital Audio Amplifier (Notifier DAA-7525SF).....	1,277.12	25.94
28 46 21 33-1136	EA		220-240 VAC, 50 Watts, 25 VRMS Digital Audio Amplifier (Notifier DAA2-5025E).....	1,202.28	25.94
28 46 21 33-1137	EA		220-240 VAC, 50 Watts, 70 VRMS Digital Audio Amplifier (Notifier DAA2-5070E).....	1,240.68	25.94
28 46 21 33-1138	EA		220-240 VAC, 75 Watts, 25 VRMS Digital Audio Amplifier (Notifier DAA2-7525E).....	1,287.88	25.94
28 46 21 33-1139	EA		120 VAC, 35 Watts, 25 VRMS, Digital Audio Amplifier (Notifier DAX-3525).....	827.08	25.94
28 46 21 33-1140	EA		220-240 VAC, 35 Watts, 25 VRMS, Digital Audio Amplifier (Notifier DAX-3525E).....	827.08	25.94
28 46 21 33-1141	EA		120 VAC, 35 Watts, 70 VRMS, Digital Audio Amplifier (Notifier DAX-3570).....	879.08	25.94
28 46 21 33-1142	EA		220-240 VAC, 35 Watts, 70 VRMS, Digital Audio Amplifier (Notifier DAX-3570E).....	879.08	25.94
28 46 21 33-1143	EA		120 VAC, 50 Watts, 25 VRMS, Digital Audio Amplifier (Notifier DAX-5025).....	912.68	25.94
28 46 21 33-1144	EA		220-240 VAC, 50 Watts, 25 VRMS, Digital Audio Amplifier (Notifier DAX-5025E).....	912.68	25.94
28 46 21 33-1145	EA		120 VAC, 50 Watts, 70 VRMS, Digital Audio Amplifier (Notifier DAX-5070).....	964.68	25.94
28 46 21 33-1146	EA		220-240 VAC, 50 Watts, 70 VRMS, Digital Audio Amplifier (Notifier DAX-5070E).....	964.68	25.94
28 46 21 33-1147	EA		Dress Plate For CFFT-1 (Notifier DP-CFFT).....	88.34	12.97
28 46 21 33-1148	EA		Dress Panel For One Tier Chassis For Digital Voice Command Panel (Notifier DPA-1).....	81.71	15.57



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 21 33-1149 EA Dress Panel For One Tier Chassis For Digital Voice Command Panel, Supports Keypad (Notifier DPA-1A4).....	92.95	15.57
28 46 21 33-1150 EA Dress Panel For Two Tier Chassis For Digital Voice Command Panel (Notifier DPA-2B).....	153.17	15.57
28 46 21 33-1151 EA WPS Power Amplifier (Notifier DPA3204P).....	491.88	25.94
28 46 21 33-1152 EA WPS Power Amplifier (Notifier DPA4001P).....	415.88	25.94
28 46 21 33-1153 EA Modem Interface For Direct Wire (No Dial-Up Capabilities) For Interconnecting Panels (Notifier DPI-232).....	859.88	25.94
28 46 21 33-1154 EA 120 VAC, 125 Watts, 25 VRMS Digital Series Amplifier (Can Be Converted To 70 VRMS, 100 Watts With A DS-XF70V) (Notifier DS-AMP).....	651.88	25.94
28 46 21 33-1155 EA 220-240 VAC, 125 Watts, 25 VRMS Digital Series Amplifier (Can Be Converted To 70 VRMS, 100 Watts With A DS-XF70V) (Notifier DS-AMPE).....	651.88	25.94
28 46 21 33-1156 EA Digital Series Distribution Board, Supports One To Four DS-Amp Or DS-AMPE (Notifier DS-DB).....	1,091.88	25.94
28 46 21 33-1157 EA 125 Watts, 25 VRMS DS Series Backup Amplifier Board (Can Be Converted To 70 VRMS, 100 Watts Amplifier With A DS-XF70V) (Notifier DS-BDA).....	451.88	25.94
28 46 21 33-1158 EA Converts One DAX Or DAA2 DAL Port To Multi-Mode Fiber, Fiber Option Module (Notifier DS-FM).....	235.88	25.94
28 46 21 33-1159 EA Converts One DAX Or DAA2 Port To ST Style Multi-Mode Fiber (For Connection To DVC-EMF Or DAA-XXXF Series Amplifier), Fiber Option Module (Notifier DS-RFM).....	235.88	25.94
28 46 21 33-1160 EA Converts One DAX Or DAA2 DAL Port To Single-Mode Fiber, Fiber Option Module (Notifier DS-SFM).....	235.88	25.94
28 46 21 33-1161 EA Converts DS-AMP, DS-AMPE, Or DS-BDA To 70 VRMS, 100 Watts, DS Series Transformer (Notifier DS-XF70V).....	107.88	25.94
28 46 21 33-1162 EA Analog Output Board For Digital Voice Command (Notifier DVC-AO).....	224.50	25.94
28 46 21 33-1163 EA Extended Memory For Digital Voice Command (Notifier DVC-EM).....	1,216.06	25.94
28 46 21 33-1164 EA Keypad For Digital Voice Command (Notifier DVC-KD).....	380.75	51.88
28 46 21 33-1165 EA Replacement Microphone For NFC-50/100, NFC-LOC, NFC-RPU And NFC-RM (Notifier ECC-MICROPHONE).....	171.98	25.94
28 46 21 33-1166 EA Fire Fighters Telephone Control With Master Handset (Notifier FFT-7).....	1,273.92	51.88
28 46 21 33-1167 EA Portable Fireman's Telephone Handset (Notifier FHS).....	110.78	25.94
28 46 21 33-1168 EA Red, Fireman's Telephone Handset (Notifier FHS-F).....	110.78	25.94
28 46 21 33-1169 EA Recessed, Fireman's Handset Storage Cabinet, Holds Six Handsets (Notifier FHSC-R).....	313.48	25.94
28 46 21 33-1170 EA Surface Mounted, Fireman's Handset Storage Cabinet, Holds Six Handsets (Notifier FHSC-S).....	313.48	25.94
28 46 21 33-1171 EA Fireman's Phone Jack On A Single Gang Plate (Notifier FPJ).....	53.17	7.78
28 46 21 33-1172 EA Paging Microphone Only (Notifier MIC-1).....	157.06	25.94
28 46 21 33-1173 EA Firefighter's Telephone Handset (Notifier TELH-1).....	121.58	25.94
28 46 21 33-1174 EA Remote Microphone Assembly For Mounting On An ADP-4 Dress Plate (Notifier RM-1).....	364.20	25.94
28 46 21 33-1175 EA Remote Microphone Assembly For Mounting In A Stand Alone Cabinet (Notifier RM-1SA).....	364.20	25.94
28 46 21 33-1176 Amplifiers (28 46 21 33-0982)		
28 46 21 33-1177 EA 30 Watt Audio Amplifier At 25 VRMS, 120 VAC (Notifier AA-30).....	685.35	25.94
28 46 21 33-1178 EA 100 Watt Audio Amplifier At 70.7 VRMS, 120 VAC, Tone Generator (Notifier AA-100).....	1,476.19	25.94
28 46 21 33-1179 EA 120 Watt Audio Amplifier At 25 VRMS, 120 VAC, Tone Generator (Notifier AA-120).....	1,434.44	25.94
28 46 21 33-1180 EA Audio Coupling Transformer (Notifier ACT-1).....	118.52	25.94
28 46 21 33-1181 EA Audio Coupling Transformer For Analog Amplifiers (Notifier ACT-2).....	136.18	25.94
28 46 21 33-1182 EA Audio Coupling Transformer For DVC-AO (Notifier ACT-4).....	136.18	25.94
28 46 21 33-1183 EA Audio Coupling Transformer For DAA-5025 (Notifier ACT-25).....	136.18	25.94
28 46 21 33-1184 EA Audio Coupling Transformer For DAA-5070 (Notifier ACT-70).....	136.18	25.94
28 46 21 33-1185 FireVoice-25/50 Emergency Voice Evacuation Control Panels (28 46 21 33-0982)		
28 46 21 33-1186 EA 25 Watt, 25 VRMS Voice Evacuation Control Panel (Notifier NFV-25/50).....	2,985.30	518.80
28 46 21 33-1187 EA Single Channel 25 Watt, 25 VRMS Voice Evacuation Control Panel (Notifier NFV-25/50DA).....	2,220.58	518.80
28 46 21 33-1188 EA Single Channel 25 Watt, 25 VRMS Voice Evacuation Control Panel Used With NFV-25/50ZS (Notifier NFV-25/50DAZS).....	2,769.82	518.80
28 46 21 33-1189 EA Zoned System 25 Watt, 25 VRMS Voice Evacuation Control Panel (Notifier NFV-25/50ZS).....	3,488.07	518.80
28 46 21 33-1190 EA Zoned System With Telephone 25 Watt, 25 VRMS Voice Evacuation Control Panel (Notifier NFV-25/50ZST).....	3,817.61	518.80
28 46 21 33-1191 System Printer (28 46 21 33-0982)		
28 46 21 33-1192 EA 80 Column, 120 VAC, Desktop Printer (Notifier PRN-6).....	1,466.55	25.94
28 46 21 33-1193 Batteries (28 46 21 33-0982)		
28 46 21 33-1194 EA 5 Amp Hour, 12 VDC, Sealed Battery Pack (Notifier BAT-1250-BP).....	416.68	25.94
28 46 21 33-1195 EA 7 Amp Hour, 12 VDC, Sealed Battery Pack (Notifier BAT-1270-BP).....	326.46	25.94
28 46 21 33-1196 EA 12 Amp Hour, 12 VDC, Sealed Battery Pack (Notifier BAT-12120-BP).....	424.42	25.94
28 46 21 33-1197 EA 18 Amp Hour, 12 VDC, Sealed Battery Pack (Notifier BAT-12180-BP).....	254.21	25.94
28 46 21 33-1198 EA 26 Amp Hour, 12 VDC, Sealed Battery Pack (Notifier BAT-12260-BP).....	348.95	25.94
28 46 21 33-1199 EA 55 Amp Hour, 12 VDC, Sealed Battery (Notifier BAT-12550).....	348.14	25.94
28 46 21 33-1200 EA 100 Amp Hour, 12 VDC, Sealed Battery (Notifier BAT-121000).....	544.69	25.94
28 46 21 33-1201 Battery Backboxes And Miscellaneous Mechanicals (28 46 21 33-0982)		
28 46 21 33-1202 EA 14-1/2" x 8-1/4" x 4-3/4", Holds Up To Two BAT-12180 Batteries, Battery Backbox (Notifier BB-17).....	112.70	20.75
28 46 21 33-1203 EA 24" x 12.55" x 5.218", Mounts Up To Six XP6 Boards Or ACPS-610, Cabinet (Notifier BB-25).....	168.70	20.75
Note: XP6 modules require a CHS-6.		
28 46 21 33-1204 EA 15.6" x 15.5" x 5.152", Mounts Up To Two 26 Amp Hour And Charger, Battery Backbox (Notifier BB-26).....	334.38	103.76
28 46 21 33-1205 EA Holds Up To Two BAT-12120 12 Amp Hour Batteries, Battery Holder (Notifier CHS-BH).....	160.56	51.88
28 46 21 33-1206 EA Holds Up To Two BAT-12120 12 Amp Hour Batteries, Battery Holder (Notifier CHS-BH1).....	68.34	12.97
28 46 21 33-1207 EA Battery Bracket For Two 26 Amp Hour Batteries (Notifier SEISKIT-BB25).....	184.70	20.75
28 46 21 33-1208 EA Two 26 Amp Hour Battery Bracket Seismic Kit For CAB-4 Series Cabinets (Notifier SEISKIT-CAB).....	145.50	20.75
28 46 21 33-1209 EA Two 12 Amp Hour Battery Bracket Seismic Kit For DAX, DAA, And DAA2 Series Amplifiers (Notifier SEISKIT-DAA).....	159.90	20.75
28 46 21 33-1210 EA Two 55 Amp Hour Battery Bracket Seismic Kit For NFS-LBB (Notifier SEISKIT-LBB).....	172.70	20.75

28 Electronic Safety And Security**28 40 Life Safety****28 46 Fire Detection And Alarm**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 21 33-1211 Power Supplies And Chargers <small>(28 46 21 33-0982)</small>		
28 46 21 33-1212 EA 120 VAC, 6 Or 10 Amps, Addressable Charging Power Supply (Notifier ACPS-610).....	1,037.82	38.91
28 46 21 33-1213 EA 220/240 VAC, 6 Or 10 Amps, Addressable Charging Power Supply (Notifier ACPS-610E)	1,037.82	38.91
28 46 21 33-1214 EA Addressable Power Supply, 120 VAC For NFS-3030, NFS2-3030 And NCA-2 (Notifier AMPS-24).....	1,038.62	25.94
28 46 21 33-1215 EA 6A Auxiliary Power Supply (Notifier APS-6R)	536.06	25.94
28 46 21 33-1216 EA 10 Amp Battery Charger (Notifier BC10A)	661.82	38.91
28 46 21 33-1217 EA 33.34" x 22.5" x 7.5", Holds Four 55 Amp Hour Or Two 100 Amp Hour Batteries, For NFS-3030 Or NFS2-3030, Combination Power Supply And Battery Enclosure (Notifier BB-100)	393.45	31.13
28 46 21 33-1218 EA 33.34" x 22.5" x 7.5", Holds Four 55 Amp Hour Or Two 100 Amp Hour Batteries, For NFS-3030 Or NFS2-3030, Red, Combination Power Supply And Battery Enclosure (Notifier BB-100R)	393.45	31.13
28 46 21 33-1219 EA 30.34" x 36.5" x 7.5", Holds Four 55 Amp Hour Or Four 100 Amp Hour Batteries, For NFS2-3030, Combination Power Supply And Battery Enclosure (Notifier BB-200)	559.05	31.13
28 46 21 33-1220 EA 30.34" x 36.5" x 7.5", Holds Four 55 Amp Hour Or Four 100 Amp Hour Batteries, For NFS2-3030, Red, Combination Power Supply And Battery Enclosure (Notifier BB-200R)	559.05	31.13
28 46 21 33-1221 EA 15.218" x 14.5" x 3.562" ACPS Stand-Alone Cabinet (Notifier CAB-PS1)	114.28	25.94
28 46 21 33-1222 EA 25 To 120 Amp Hour Battery Charger (Notifier CHG-120).....	804.18	25.94
28 46 21 33-1223 EA Mounts XPIQ-Ps And/Or CHS-BH In A CAB-3/4 Row, Also Mount One ACPS-610 In CAB-3 Row, Chassis Assembly (Notifier CHS-PS).....	64.34	12.97
28 46 21 33-1224 EA Replacement Door Used For Mounting ACPS-610 (E) In A CAB-PS1 Cabinet When Replacing ACPS-2406 (Notifier DR-PS1).....	97.94	12.97
28 46 21 33-1225 EA 8.0 Amps, 120 VAC Remote Charger Power Supply (Notifier FCPS-24S8)	538.43	25.94
28 46 21 33-1226 EA 8.0 Amps, 240 VAC Remote Charger Power Supply (Notifier FCPS-24S8E).....	640.44	77.82
28 46 21 33-1227 EA Red, 8.0 Amps, 240 VAC Remote Charger Power Supply (Notifier FCPS-24S8R).....	640.44	77.82
28 46 21 33-1228 EA 8 Amp, 24 VDC, 120 VAC, NAC Fire Alarm Power Supply (Notifier HPFF8).....	726.04	77.82
28 46 21 33-1229 EA 8 Amp, 24 VDC, 220 VAC, NAC Fire Alarm Power Supply (Notifier HPFF8E)	726.04	77.82
28 46 21 33-1230 EA Chassis Mounted, 8 Amp, 24 VDC, 120 VAC, NAC Fire Alarm Power Supply (Notifier HPFF8CM).....	677.82	38.91
28 46 21 33-1231 EA Chassis Mounted, 8 Amp, 24 VDC, 220 VAC, NAC Fire Alarm Power Supply (Notifier HPFF8CME)	677.82	38.91
28 46 21 33-1232 EA 12 Amp, 24 VDC, 120 VAC, NAC Fire Alarm Power Supply (Notifier HPFF12).....	817.82	38.91
28 46 21 33-1233 EA 12 Amp, 24 VDC, 220 VAC, NAC Fire Alarm Power Supply (Notifier HPFF12E)	817.82	38.91
28 46 21 33-1234 EA Chassis Mounted, 12 Amp, 24 VDC, 120 VAC, NAC Fire Alarm Power Supply (Notifier HPFF12CM).....	848.22	77.82
28 46 21 33-1235 EA Chassis Mounted, 12 Amp, 24 VDC, 220 VAC, NAC Fire Alarm Power Supply (Notifier HPFF12CME)	848.22	77.82
28 46 21 33-1236 EA 6 Amp, 24 VDC, 120 VAC, NAC Fire Alarm Power Supply (Notifier HPF24S6).....	612.44	77.82
28 46 21 33-1237 EA 6 Amp, 24 VDC, 220 VAC, NAC Fire Alarm Power Supply (Notifier HPF24S6E)	612.44	77.82
28 46 21 33-1238 EA 8 Amp, 24 VDC, 120 VAC, NAC Fire Alarm Power Supply (Notifier HPF24S8).....	658.04	77.82
28 46 21 33-1239 EA 8 Amp, 24 VDC, 220 VAC, NAC Fire Alarm Power Supply (Notifier HPF24S8E).....	658.04	77.82
28 46 21 33-1240 EA 6 Amp, 24 VDC, 120 VAC, NAC Fire Alarm Power Supply (Notifier HPF602ULADA).....	535.64	77.82
28 46 21 33-1241 EA 9 Amp, 24 VDC, 120 VAC, NAC Fire Alarm Power Supply (Notifier HPF902ULADA)	625.24	77.82
28 46 21 33-1242 EA Class A Adapter HPFF8/HPFF12 (Notifier HPP31076)	125.94	12.97
28 46 21 33-1243 EA Main Power Supply And Charger, Up To 3 Amps (Notifier MPS-24A)	770.12	25.94
28 46 21 33-1244 EA Class A (Style Y) NAC Option Module For FCPS-2406 And FCPS-2408 (Notifier ZNAC-4)	151.08	25.94
28 46 21 33-1245 Network Control Annunciators <small>(28 46 21 33-0982)</small>		
28 46 21 33-1246 EA Network Control Annunciator For NFS2-3030, NFS-3030, NFS-320, NFS-640 And NFS2-640 (Notifier NCA-2).....	1,480.39	77.82
28 46 21 33-1247 EA Retro-Fit Plate For Mounting NCA2 (Notifier NCA-2RETRO)	64.05	15.57
28 46 21 33-1248 EA Kit For Mounting NCA-2 To CHS-M2 (Notifier NCA/640-2-Kit)	48.79	15.57
28 46 21 33-1249 FIRSTVISION Firefighter's Display <small>(28 46 21 33-0982)</small>		
28 46 21 33-1250 EA Replacement ONYX Firstvision™ Touchscreen Assembly (Notifier FIRSTVISION-LCD)	11,709.74	518.80
28 46 21 33-1251 FlashScan Addressable Modules <small>(28 46 21 33-0982)</small>		
28 46 21 33-1252 EA Intelligent Addressable Control Module (Notifier FCM-1).....	139.39	25.94
28 46 21 33-1253 EA Addressable Dual Monitor Module (Notifier FDM-1)	153.85	25.94
28 46 21 33-1254 EA Intelligent Addressable Monitor Module (Notifier FMM-1)	118.52	25.94
28 46 21 33-1255 EA Intelligent Addressable Miniature Monitor Module (Notifier FMM-101)	107.28	25.94
28 46 21 33-1256 EA Intelligent Addressable 4 - 20mA Analog Input Module (Notifier FMM-4-20)	204.43	25.94
28 46 21 33-1257 EA Intelligent Addressable Relay Module (Notifier FRM-1)	134.58	25.94
28 46 21 33-1258 EA Intelligent Addressable 2-Wire Detector Monitor Module (Notifier FZM-1).....	171.51	25.94
28 46 21 33-1259 EA SLC Loop Powered Fault Isolator Module (Notifier ISO-X).....	116.91	25.94
28 46 21 33-1260 Addressable Device Bases And Accessories <small>(28 46 21 33-0982)</small>		
28 46 21 33-1261 EA Intelligent Detector Base With Flange (Notifier B710LP)	41.99	12.97
28 46 21 33-1262 EA Weatherproof Device Housing (Notifier DH4000E-1)	333.69	25.94
28 46 21 33-1263 XP6/XP10 Transponder <small>(28 46 21 33-0982)</small>		
28 46 21 33-1264 EA Synchronization Daughter Module For XP6-C (Notifier SYNC-1)	106.88	25.94
28 46 21 33-1265 EA Six Circuit Supervised Control Module (Notifier XP6-C)	472.59	25.94
28 46 21 33-1266 EA Six Zone Intelligent To Conventional Interface Module (Notifier XP6-MA).....	568.93	25.94
28 46 21 33-1267 EA Six Relay Control Module (Notifier XP6-R)	454.93	25.94
28 46 21 33-1268 EA Ten Input Monitor Module (Notifier XP10-M)	544.85	25.94
28 46 21 33-1269 LCD Display Annunciators <small>(28 46 21 33-0982)</small>		
28 46 21 33-1270 EA 80 Character LCD Fire Annunciator For FireWarden-100-2, NFS-640, NFS2-640 And NFS-320 (Notifier FDU-80).....	633.35	77.82
28 46 21 33-1271 EA 80 Character LCD Annunciator For NFS-640, NFS-3030, NFS2-640, NFS2-3030 And NFS-320 (Notifier LCD-80).....	870.20	77.82
28 46 21 33-1272 EA 640 Character LCD Annunciator For NFS-3030 And NFS2-3030 (Notifier LCD-160).....	899.11	77.82



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
				28 46 21 33-1273 EA 8 To 16 Switch Smoke Control Expander (Notifier SCE-8).....	575.08	25.94
				28 46 21 33-1274 EA 8 To 16 Switch Smoke Control Lamp Driver Expander (Notifier SCE-8L)	311.88	25.94
				28 46 21 33-1275 EA Eight Switch Smoke Control Master Module (Notifier SCS-8).....	743.08	25.94
28 46 21 33-1276				ONYX ACM And AEM Series LED Annunciators (28 46 21 33-0982)		
				28 46 21 33-1277 EA Remote, Eight Form C Relay Module (Notifier ACM-8R).....	343.08	25.94
				28 46 21 33-1278 EA 16 Alarm LEDs, 16 Trouble LEDs, 16 Controls Switches, Annunciator Control Module (Notifier ACM-16AT).....	621.12	25.94
				28 46 21 33-1279 EA 16 Alarm LEDs, 16 Trouble LEDs, 16 Control Switches, Annunciator Expander Module (Notifier AEM-16AT).....	479.01	25.94
				28 46 21 33-1280 EA 24 Alarm LEDs, 24 Trouble LEDs, 24 Control Switches, Annunciator Control Module (Notifier ACM-24AT).....	621.12	25.94
				28 46 21 33-1281 EA 24 Alarm LEDs, 24 Trouble LEDs, 24 Control Switches, Annunciator Expander Module (Notifier AEM-24AT).....	479.01	25.94
				28 46 21 33-1282 EA 32 Alarm LEDs And 1 Trouble LED, Control Module (Notifier ACM-32A).....	479.01	25.94
				28 46 21 33-1283 EA 32 Alarm And 1 Trouble LED, Annunciator Expander Module (Notifier AEM-32A).....	430.84	25.94
				28 46 21 33-1284 EA 48 Alarm And 1 Trouble LED Annunciator Control Module (Notifier ACM-48A).....	479.01	25.94
				28 46 21 33-1285 EA 48 Alarm And 1 Trouble LED, Annunciator Expander Module (Notifier AEM-48A).....	430.84	25.94
28 46 21 33-1286				Graphic Annunciator - Lamp Driver Modules (28 46 21 33-0982)		
				28 46 21 33-1287 EA Single Annunciator Flush Mounted Backbox (Notifier ABF-1B).....	220.98	51.88
				28 46 21 33-1288 EA Single Annunciator Flush Mounted Backbox With Glass Door And Key Lock (Notifier ABF-1DB).....	237.84	51.88
				28 46 21 33-1289 EA Two Annunciator Flush Mounted Backbox (Notifier ABF-2B).....	276.63	64.85
				28 46 21 33-1290 EA Two Annunciator Flush Mounted Backbox With Glass Door And Key Lock (Notifier ABF-2DB).....	298.30	64.85
				28 46 21 33-1291 EA Four Annunciator Flush Mounted Backbox (Notifier ABF-4B).....	472.21	90.79
				28 46 21 33-1292 EA Annunciator Blank Plate Used With ACM-32A/ACM-16AT (Notifier ABM-1).....	83.72	15.57
				28 46 21 33-1293 EA Single Annunciator Surface Mounted Backbox (Notifier ABS-1B).....	152.33	51.88
				28 46 21 33-1294 EA Single Annunciator Surface Mounted Backbox With Trim (Notifier ABS-1TB).....	113.14	12.97
				28 46 21 33-1295 EA Two Annunciator Surface Mounted Backbox (Notifier ABS-2B).....	183.25	51.88
				28 46 21 33-1296 EA 12" x 12" x 3-3/4" Surface Or Semi-Flush Mount Backbox (Notifier ABS-2D).....	309.55	64.85
				28 46 21 33-1297 EA Red, Surface (Or Semi-Flush) Mounted Backbox For ACS Annunciators, SCS Series, NCA And NCA-2 (Notifier ABS-2DR).....	205.14	12.97
				28 46 21 33-1298 EA Black, 12" x 20" x 3-1/2" Surface Or Semi-Flush Backbox (Notifier ABS-4D).....	493.89	90.79
				28 46 21 33-1299 EA Red, 12" x 20" x 3-1/2" Surface Or Semi-Flush Backbox (Notifier ABS-4DR).....	342.33	15.57
				28 46 21 33-1300 EA Black, 9-15/16" x 4-5/8" x 2-1/2" Surface Backbox (Notifier ABS-8RB).....	139.90	20.75
				28 46 21 33-1301 EA Annunciator Key Switch (Notifier AKS-1B).....	67.57	7.78
				28 46 21 33-1302 EA Chassis Used To Mount NCA-2 In ABS-2D (Notifier CHS-2D).....	86.00	25.94
				28 46 21 33-1303 EA 32 Alarm Lamp Driver Annunciator Control Module (Notifier LDM-32).....	430.84	25.94
				28 46 21 33-1304 EA 24" Lamp Driver Annunciator Cable (Notifier LDM-CBL24).....	124.78	5.19
				28 46 21 33-1305 EA 48" Lamp Driver Annunciator Cable (Notifier LDM-CBL48).....	155.18	5.19
				28 46 21 33-1306 EA 32 Alarm Lamp Driver Annunciator Expander Module (Notifier LDM-E32).....	357.78	25.94
				28 46 21 33-1307 EA Lamp Driver Module (Notifier LDM-R32).....	611.08	25.94
				28 46 21 33-1308 EA Eight Switch Smoke Control Lamp Driver Master Module (Notifier SCS-8L).....	567.88	25.94
				28 46 21 33-1309 EA 48" Cable Assembly For Smoke Control Lamp Driver (Notifier SCS8L-CBL48).....	157.58	5.19
				28 46 21 33-1310 EA Black, Trim Ring For ABS-2D Cabinet (Notifier TR-ABS2D).....	135.13	15.57
				28 46 21 33-1311 EA Black, Trim Ring For ABS-4D Cabinet (Notifier TR-ABS4D).....	86.33	15.57
				28 46 21 33-1312 EA Red, Trim Ring For ABS-4D Cabinet (Notifier TR-ABS4DR).....	86.33	15.57
28 46 21 33-1313				Network Gateways (28 46 21 33-0982)		
				28 46 21 33-1314 EA Common Alerting Protocol Gateway (Notifier CAP-GW).....	2,251.88	25.94
				28 46 21 33-1315 EA PC Version, Receivers Gateway (Notifier DACR-GW).....	1,763.88	25.94
				28 46 21 33-1316 EA Fiber-Optic Cable Interface (Multi-Mode), High-Speed Network Communications Module (Notifier HS-NCM-MF).....	1,683.88	25.94
				28 46 21 33-1317 EA Fiber-Optic Cable Interface (Multi-Mode Fiber To Single-Mode Fiber), High-Speed Network Communications Module (Notifier HS-NCM-MFSF).....	1,883.88	25.94
				28 46 21 33-1318 EA Fiber-Optic Cable Interface (Single-Mode), High-Speed Network Communications Module (Notifier HS-NCM-SF).....	2,091.88	25.94
				28 46 21 33-1319 EA Twisted-Pair Wire Interface, High-Speed Network Communications Module (Notifier HS-NCM-W).....	1,603.88	25.94
				28 46 21 33-1320 EA Wire And Fiber-Optic Cable Interface, High-Speed Network Communications Module (Multi-Mode) (Notifier HS-NCM-WMF).....	1,643.88	25.94
				28 46 21 33-1321 EA Wire And Fiber-Optic Cable Interface (Single-Mode), High-Speed Network Communications Module (Notifier HS-NCM-WSF).....	1,847.88	25.94
				28 46 21 33-1322 EA Modbus Gateway (Notifier MODBUS-GW).....	1,763.88	25.94
				28 46 21 33-1323 EA 22" Widescreen HD LED Color Monitor With Speakers (Notifier MON-22LCDW).....	2,148.48	17.12
				28 46 21 33-1324 EA Capacitive Touch-Screen, 22" Widescreen HD LED Color Monitor With Speakers (Notifier MON-22LCDW-TS).....	3,195.68	17.12
				28 46 21 33-1325 EA 1920x1080P Wide Screen (Notifier MON-42LCDW).....	10,108.48	17.12
				28 46 21 33-1326 EA Single Monitor, Wall Mounted, Horizontal, Tilt, Bracket (Notifier MON-42HORIZ-SD).....	429.82	38.91
				28 46 21 33-1327 EA Single Monitor, Vertical Mounted, Bracket (Notifier MON-42VERT-SD).....	769.82	38.91
				28 46 21 33-1328 EA Dual Monitors, Vertical Wall Mounted, Fixed Position, Bracket (Notifier MON-42VERT-DD).....	1,113.82	38.91
				28 46 21 33-1329 EA Mass Notification Voice Paging (Notifier NOTIFY-IP).....	840.00	
				28 46 21 33-1330 EA Non UL Listed Applications, Mass Notification Voice Paging (Notifier NOTIFY-IP-NOUL).....	840.00	
				28 46 21 33-1331 EA Embedded NFN Gateway (Notifier NFN-GW-EM).....	1,770.04	25.94
				28 46 21 33-1332 EA NFN Gateway PC Card With Fiber (Notifier NFN-GW-PC-F).....	1,770.04	25.94
				28 46 21 33-1333 EA High Speed NFN Gateway PC Card For Multimode Fiber (Included With ONYXworks-HNMF) (Notifier NFN-GW-PC-HNMF).....	2,563.88	25.94
				28 46 21 33-1334 EA High Speed NFN Gateway PC Card For Single Mode Fiber (Included With ONYXworks-HNSF) (Notifier NFN-GW-PC-HNSF).....	2,987.88	25.94
				28 46 21 33-1335 EA High Speed NFN Gateway PC Card For Wire (Included With ONYXworks-HNW) (Notifier NFN-GW-PC-HNW).....	2,563.88	25.94
				28 46 21 33-1336 EA NFN Gateway PC Card With Wire (Notifier NFN-GW-PC-W).....	1,770.04	25.94
				28 46 21 33-1337 EA E-Mail Option For ONYXworks (Notifier ONYX-NOTIFY).....	840.00	
				28 46 21 33-1338 EA Alpha-Numeric Pager Option For ONYXworks (Notifier ONYX-PAGER).....	840.00	
				28 46 21 33-1339 EA ONYXWorks Workstation (Notifier ONYXWORKS-WS).....	16,490.22	622.55

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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 21 33-1340 EA Fiber Network Graphical User Interface (Notifier ONYXWorks-Lite OW-LITE-NW).....	3,407.52	
Note: Includes PC slot network fiber card, workstation software and security key with a four node license. Excludes PC workstation.		
28 46 21 33-1341 EA Wired Network Graphical User Interface (Notifier ONYXWorks-Lite OW-LITE-NF).....	3,407.52	
Note: Includes PC slot network fiber card, workstation software and security key with a four node license. Excludes PC workstation.		
28 46 21 33-1342 EA Fiber Optics, Standard Network Repeater Board (Notifier RPT-F).....	789.48	25.94
28 46 21 33-1343 EA Wire, Standard Network Repeater Board (Notifier RPT-W).....	643.08	25.94
28 46 21 33-1344 EA Wire To Fiber Optics, Standard Network Repeater Board (Notifier RPT-WF).....	768.68	25.94
28 46 21 33-1345 EA Signaling Line Circuit Integration Module (Notifier SLC-IM).....	847.88	25.94
28 46 21 33-1346 EA VESDA Gateway That Provides A Communication Link Between The Noti-Fire-Net™ Network And Vesda™ Detectors On The Vesdanet™ (Notifier VESDA-HLI-GW).....	1,763.88	25.94
28 46 21 33-1347 EA Vesda™ High Level Interface Card Used With SLC-IM And Vesda-HLI-GW To Provide A Communication Link Between The Noti-Fire-Net™ Network And Vesda™ Detectors On The Vesdanet™ (Notifier VHX-1420-HFS).....	1,459.88	25.94
28 46 21 33-1348 EA Windows 7 Hard Drive Upgrade (Notifier WIN7-UG-US-3).....	1,600.00	
28 46 21 33-1349 NOTI-FIRE-NET Network Components <small>(28 46 21 33-0982)</small>		
28 46 21 33-1350 EA Interface Between NOTI-FIRE-NET 50 And BACnet (Notifier BACNET-GW-3).....	1,770.04	25.94
28 46 21 33-1351 EA Fiber Optic Network Communications Module (Notifier NCM-F).....	796.15	25.94
28 46 21 33-1352 EA NOTI-FIRE-NET Web Server (Notifier NWS).....	1,770.04	25.94
28 46 21 33-1353 EA Wired Network Communications Module (Notifier NCM-W).....	759.22	25.94
28 46 21 33-1354 EA Fiber Optic Converter Module Mounting Kit (Notifier SMF-Kit).....	78.33	12.97
28 46 21 33-1355 FireWarden Addressable Fire Panels <small>(28 46 21 33-0982)</small>		
28 46 21 33-1356 EA 50 Point, Addressable Fire Alarm Control Panel With Digital Alarm Communicator/Transmitter (Notifier NFW-50).....	1,804.34	518.80
28 46 21 33-1357 EA Black, One SLC Loop, 120 VAC, 198 Point Addressable Fire Alarm Control Panel With Digital Alarm Communicator/Transmitter (Notifier NFW2-100).....	2,089.36	518.80
28 46 21 33-1358 EA Black, One DC Loop, 120 VAC, 198 Point Addressable Fire Alarm Control Panel With Digital Alarm Communicator/Transmitter (Notifier NFW2-100C).....	2,085.59	259.39
28 46 21 33-1359 EA Black, One SLC Loop, 240 VAC, 198 Point Addressable Fire Alarm Control Panel With Digital Alarm Communicator/Transmitter (Notifier NFW2-100E).....	2,085.59	259.39
28 46 21 33-1360 EA Red, One SLC Loop, 120 VAC, 198 Point Addressable Fire Alarm Control Panel With Digital Alarm Communicator/Transmitter (Notifier NFW2-100R).....	2,085.59	259.39
28 46 21 33-1361 FireWarden Accessories <small>(28 46 21 33-0982)</small>		
28 46 21 33-1362 EA Intelligent Multicriteria Photo/Thermal Detector With Base (Notifier NP-A100).....	157.02	38.91
28 46 21 33-1363 EA Intelligent Addressable Photo/Thermal Detector With Base (Notifier NP-100T).....	156.22	38.91
28 46 21 33-1364 FireWarden Devices <small>(28 46 21 33-0982)</small>		
28 46 21 33-1365 EA SLC Loop Powered Fault Isolator Module (Notifier N100-ISO).....	116.11	25.94
28 46 21 33-1366 EA Intelligent Addressable Control Module (Notifier NC-100).....	135.38	25.94
28 46 21 33-1367 EA Intelligent Addressable Relay Module (Notifier NC-100R).....	130.56	25.94
28 46 21 33-1368 EA Intelligent Addressable Low Flow Duct Photoelectric Smoke Detector (Notifier ND-100).....	271.32	38.91
28 46 21 33-1369 EA Intelligent Addressable Low Flow Duct Photoelectric Smoke Detector With DPDT Relay (Notifier ND-100R).....	322.02	38.91
28 46 21 33-1370 EA Two Zone Intelligent Addressable, Two Wire Detector Monitor Module (Notifier NDM-100).....	130.56	25.94
28 46 21 33-1371 EA Intelligent Addressable Thermal Detector With Base (Notifier NH-100).....	140.44	38.91
28 46 21 33-1372 EA Intelligent Addressable High Temperature Thermal Detector With Base (Notifier NH-100H).....	140.44	38.91
28 46 21 33-1373 EA Intelligent Addressable Rate-Of-Rise Thermal Detector With Base (Notifier NH-100R).....	140.44	38.91
28 46 21 33-1374 EA Intelligent Addressable Ionization Smoke Detector With Base (Notifier NI-100).....	182.19	38.91
28 46 21 33-1375 EA Intelligent Addressable Monitor Module (Notifier NMM-100).....	114.50	25.94
28 46 21 33-1376 EA Intelligent Addressable Mini Monitor Module (Notifier NMM-100P).....	105.27	25.94
28 46 21 33-1377 EA Intelligent Addressable Manual Pull Station (Notifier NOT-BG12LX).....	150.23	25.94
28 46 21 33-1378 EA Intelligent Addressable Photoelectric Smoke Detector With Base (Notifier NP-100).....	146.06	38.91
28 46 21 33-1379 EA Intelligent Addressable 2-Wire Detector Monitor Module (Notifier NZM-100).....	166.69	25.94
28 46 21 33-1380 EA Six Zone Intelligent Addressable 2-Wire Detector Monitor Module (Notifier NZM-100-6).....	556.09	25.94
28 46 21 33-1381 SFP-2402 And SFP-2404 2 And 4-Zone Control Panels And Accessories <small>(28 46 21 33-0982)</small>		
28 46 21 33-1382 EA 120 VAC, Two Zone Conventional Fire Alarm Control Panel (Notifier SFP-2402).....	1,231.51	415.03
28 46 21 33-1383 EA 120 VAC, Four Zone Conventional Fire Alarm Control Panel (Notifier SFP-2404).....	1,335.08	415.03
28 46 21 33-1384 EA 240 VAC, Two Zone Conventional Fire Alarm Control Panel (Notifier SFB-2402E).....	918.80	129.70
28 46 21 33-1385 EA 240 VAC, Four Zone Conventional Fire Alarm Control Panel (Notifier SFB-2404E).....	1,022.00	129.70
28 46 21 33-1386 EA Class A Converter Module (Notifier CAC-4).....	283.08	25.94
28 46 21 33-1387 EA Optional Internal Dress Panel For SFB-2402 And SFB-2404 Only (Notifier DP-3-B).....	98.33	15.57
28 46 21 33-1388 EA Internal Dress Plate, Required For FM And ULC (Notifier DP-4X).....	99.93	15.57
28 46 21 33-1389 EA Remote Zone Annunciator (Notifier RZA-4X).....	153.02	38.91
28 46 21 33-1390 SFP-5UD 5 Zone Control Panels And Accessories <small>(28 46 21 33-0982)</small>		
28 46 21 33-1391 EA 120 VAC, Five Zone Conventional Fire Alarm Control Panel (Notifier SFP-5UD).....	1,836.46	518.80
28 46 21 33-1392 EA 120 VAC, Five Zone Conventional Fire Alarm Control Panel (Notifier SFB-5UDC).....	2,772.38	389.10
28 46 21 33-1393 EA 240 VAC, Five Zone Conventional Fire Alarm Control Panel (Notifier SFB-5UDE).....	1,833.59	259.39
28 46 21 33-1394 EA Red, 120 VAC, Five Zone Conventional Fire Alarm Control Panel (Notifier SFB-5UDR).....	1,833.59	259.39
28 46 21 33-1395 EA Class A Converter Module (Notifier N-CAC-5X).....	283.08	25.94
28 46 21 33-1396 EA Red, Trim Ring For NFW2-100, NFW-50, SFB-5UD, SFB-10UD, RP-2001, RP-2002 Cabinet (Notifier TR-CE).....	115.13	15.57



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 21 33-1397				SFP-10UD 10 Zone Control Panels And Accessories <small>(28 46 21 33-0982)</small>		
			EA	120 VAC, 10 Zone Conventional Fire Alarm Control Panel With Built-In Digital Alarm Communicator Transmitter (Notifier SFB-10UDC).....	3,447.18	518.80
			EA	240 VAC, 10 Zone Conventional Fire Alarm Control Panel With Built-In Digital Alarm Communicator Transmitter (Notifier SFB-10UDE).....	2,579.58	389.10
			EA	120 VAC, 10 Zone Conventional Fire Alarm Control Panel With Built-In Digital Alarm Communicator Transmitter (Notifier SFP-10UD).....	2,061.26	518.80
			EA	Red, 120 VAC, 10 Zone Conventional Fire Alarm Control Panel With Built-In Digital Alarm Communicator Transmitter (Notifier SFB-10UDR).....	3,098.38	518.80
			EA	Four Channel, Dual Line, Stand Alone Fire Alarm Communicator (Fire-Lite 411UDAC).....	499.27	77.82
28 46 21 33-1403				Smoke Detectors <small>(28 46 21 33-0982)</small>		
			EA	Intelligent Addressable Beam Smoke Detector (Notifier FSB-200).....	1,183.76	51.88
			EA	Intelligent Addressable Beam Smoke Detector With Remote Test Feature (Notifier FSB-200S).....	1,343.76	51.88
			EA	Low Profile Intelligent Addressable Ionization Smoke Detector (Notifier FSI-851).....	193.43	38.91
			EA	Intelligent Addressable Laser Smoke Detector (Notifier FSL-751).....	310.66	38.91
			EA	Intelligent Addressable Laser Duct Smoke Detector (Notifier FSL-751D).....	753.81	38.91
			EA	Low Profile Intelligent Addressable Photoelectric Smoke Detector (Notifier FSP-851).....	160.52	38.91
			EA	Remote Test Capable, Low Profile Intelligent Addressable Photoelectric Smoke Detector (Notifier FSP-851R).....	162.62	38.91
			EA	Intelligent Addressable Thermal Detector (Notifier FST-851).....	136.43	38.91
			EA	Intelligent Addressable High Temperature Thermal Detector (Notifier FST-851H).....	136.43	38.91
			EA	Intelligent Addressable Rate-Of-Rise Thermal Detector (Notifier FST-851R).....	136.43	38.91
			EA	Remote Test Capable Intelligent Addressable Photo Detector (Notifier NP-100R).....	148.22	38.91
				Note: For use with DNR(W) duct detector housing.		
			EA	Filters For Harsh Detector (Notifier RF-FTX).....	18.11	
			EA	Key Activated Remote Test Station For Duct Smoke Detector (Notifier RTS151KEY).....	118.32	25.94
28 46 21 33-1417				Pull Stations <small>(28 46 21 33-0982)</small>		
			EA	Trim Ring For NBG12 Series Pull Station (Notifier BG12TR).....	24.78	5.19
			EA	One End Tapped For 1/2" Conduit, Aluminum, Surface Mounted Backbox (Notifier BG-2).....	54.74	12.97
			EA	Red, One End Tapped For 1/2" Conduit, Aluminum, Surface Mounted Backbox (Notifier BG-2R).....	54.74	12.97
			EA	Red Letters, Spring Retainer, Aluminum Single Action Pull Station (Notifier BNG-1).....	79.48	25.94
			EA	DPDT Switch, Red Letters, Spring Retainer, Aluminum Single Action Pull Station (Notifier BNG-1F).....	85.48	25.94
			EA	Terminal Switch, DPDT Switch, Red Letters, Spring Retainer, Aluminum Single Action Pull Station (Notifier BNG-1FTS).....	109.08	25.94
			EA	Red Body, Silver Letters, Spring Retainer, Aluminum Single Action Pull Station (Notifier BNG-1R).....	79.48	25.94
			EA	Red Letters, Spring Retainer, Aluminum Single Action Pull Station With Terminal Strip (Notifier BNG-1TS).....	88.28	25.94
			EA	Standard "Local" Style Red Letters, Spring Retainer, Aluminum Single Action Pull Station With Terminal Strip (Notifier BNG-1TSL).....	88.28	25.94
			EA	Terminal Strip, Red Body, Red Letters, Spring Retainer, Aluminum Single Action Pull Station (Notifier BNG-1TSR).....	88.28	25.94
			EA	Red Letters, Breakglass, Aluminum Single Action Pull Station (Notifier BRG-1).....	84.68	25.94
			EA	Red Body, Silver Letters, Breakglass, Aluminum Single Action Pull Station (Notifier BRG-1R).....	89.88	25.94
			EA	Hazardous, Non-Hazardous, Weatherproof, Harsh Locations Fire Alarm Pull Station (Notifier HAZ-WP-PULL).....	562.25	31.13
			EA	Red, Key Lock, Dual Action Fire Alarm Pull Station (Notifier NBG-12L).....	85.00	25.94
			EA	Red, Outdoor, Key Lock, Dual Action Fire Alarm Pull Station (Notifier NBG-12LOB).....	178.67	31.13
			EA	Red, Presignal, Key Lock, Dual Action Fire Alarm Pull Station (Notifier NBG-12LPS).....	109.48	25.94
			EA	Red, Agent Releasing, Key Lock, Dual Action Fire Alarm Pull Station (Notifier NBG-12LR).....	97.88	25.94
			EA	Addressable Manual Dual Action Fire Alarm Pull Station (Notifier NBG-12LX).....	151.04	25.94
			EA	Pull Station Trim Plate For New York City, For Use With All NBG Series Pull Stations (Notifier NY-PLATE).....	36.78	5.19
28 46 21 33-1437				Rate Compensation Heat Detectors <small>(28 46 21 33-0982)</small>		
			EA	135 Degree F Explosion Proof Rate Compensation Heat Detectors (Edwards Signaling 302-EPM-135).....	148.47	38.91
			EA	194 Degree F Explosion Proof Rate Compensation Heat Detectors (Edwards Signaling 302-EPM-194).....	148.47	38.91
28 46 21 33-1440				FM Series Door Releases <small>(28 46 21 33-0982)</small>		
			EA	1/2" Door Holder Spacer (Notifier FM900-50).....	25.20	7.78
			EA	3/4" Door Holder Spacer (Notifier FM900-75).....	25.20	7.78
			EA	1" Door Holder Spacer (Notifier FM900-100).....	25.20	7.78
			EA	Door Holder Extension Kit (Notifier FM900).....	26.41	7.78
			EA	90 Degree Door Holder Extension Kit (Notifier FM900-Z).....	26.81	7.78
			EA	Floor Mounted, 12VDC, 24VAC/DC Or 120VAC, Door Holder (Notifier FM980).....	174.97	38.91
			EA	Surface Mounted, 12VDC, 24VAC/DC Or 120VAC, Door Holder (Notifier FM996).....	154.90	38.91
			EA	Recessed Mounted, Concealed Wiring, 12VDC, 24VAC/DC Or 120VAC, Door Holder (Notifier FM998).....	154.90	38.91
28 46 21 33-1449				Multicriteria Fire Detector <small>(28 46 21 33-0982)</small>		
			EA	Intelligent Addressable Combination Multi-Criteria Fire/Carbon Monoxide Detector With Flashscan (Notifier FCO-851).....	253.82	38.91
			EA	Intelligent Addressable Multicriteria Fire Detector (Notifier FSC-851).....	236.22	38.91
				Note: Detects fire, thermal, photo, CO and IR, with Flashscan.		
			EA	Low Profile Intelligent Addressable Photoelectric Smoke Detector With Built-In 135°F Fixed Temperature Thermal Device (Notifier FSP-851T).....	161.02	38.91
28 46 21 33-1453				Modules <small>(28 46 21 33-0982)</small>		
			EA	Intelligent Addressable Dual Monitor/Dual Relay Module (Notifier FDRM-1).....	278.28	25.94

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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 21 33-1455 EA Addressable Firephone Control Module (Notifier FTM-1)	170.28	25.94
28 46 21 33-1456 DH Series Door Releases (28 46 21 33-0982)		
28 46 21 33-1457 EA Semi-Flush, Powder Coated Chrome, Electromagnetic Door Holder (Notifier DH24120FPC)	153.02	38.91
28 46 21 33-1458 EA Semi-Flush, Plated Brass, Electromagnetic Door Holder (Notifier DH24120FB)	161.34	38.91
28 46 21 33-1459 EA Semi-Flush, Powder Coated Dark Bronze, Electromagnetic Door Holder (Notifier DH24120FD)	169.82	38.91
28 46 21 33-1460 EA Surface Mounted, Powder Coated Chrome, Electromagnetic Door Holder (Notifier DH24120SPC)	167.42	38.91
28 46 21 33-1461 EA Surface Mounted, Plated Brass, Electromagnetic Door Holder (Notifier DH24120SB)	174.62	38.91
28 46 21 33-1462 EA Surface Mounted, Powder Coated Dark Bronze, Electromagnetic Door Holder (Notifier DH24120SPD)	180.22	38.91
28 46 21 33-1463 EA Recessed, Powder Coated Chrome, Electromagnetic Door Holder (Notifier DH24120WPC)	153.02	38.91
28 46 21 33-1464 EA Recessed, Plated Brass, Electromagnetic Door Holder (Notifier DH24120WB)	161.02	38.91
28 46 21 33-1465 EA Recessed, Powder Coated Dark Bronze, Electromagnetic Door Holder (Notifier DH24120WD)	169.82	38.91
28 46 21 33-1466 EA Floor Mounted, Single Door, Powder Coated Chrome, Electromagnetic Door Holder (Notifier DH24120GPC1)	189.02	38.91
28 46 21 33-1467 EA Floor Mounted, Single Door, Plated Brass, Electromagnetic Door Holder (Notifier DH24120GB1)	200.22	38.91
28 46 21 33-1468 EA Floor Mounted, Single Door, Powder Coated Dark Bronze, Electromagnetic Door Holder (Notifier DH24120GPD1)	213.02	38.91
28 46 21 33-1469 EA Floor Mounted, Double Door, Powder Coated Chrome, Electromagnetic Door Holder (Notifier DH24120GPC2)	216.22	38.91
28 46 21 33-1470 EA Floor Mounted, Double Door, Plated Brass, Electromagnetic Door Holder (Notifier DH24120GB2)	229.02	38.91
28 46 21 33-1471 EA Floor Mounted, Double Door, Powder Coated Dark Bronze, Electromagnetic Door Holder (Notifier DH24120GPD2)	245.02	38.91
28 46 21 33-1472 EA .5" Extension Rod, Powder Coated Chrome, Electromagnetic Door Holder Extension (Notifier DHE.5PC)	18.06	5.19
28 46 21 33-1473 EA .5" Extension Rod, Plated Brass, Electromagnetic Door Holder Extension (Notifier DHE.5B)	18.06	5.19
28 46 21 33-1474 EA .5" Extension Rod, Powder Coated Dark Bronze, Electromagnetic Door Holder Extension (Notifier DHE.5D)	19.34	5.19
28 46 21 33-1475 EA 1" Extension Rod, Powder Coated Chrome, Electromagnetic Door Holder Extension (Notifier DHE1PC)	18.06	5.19
28 46 21 33-1476 EA 1" Extension Rod, Plated Brass, Electromagnetic Door Holder Extension (Notifier DHE1B)	18.06	5.19
28 46 21 33-1477 EA 1" Extension Rod, Powder Coated Dark Bronze, Electromagnetic Door Holder Extension (Notifier DHE1D)	19.34	5.19
28 46 21 33-1478 EA 1.5" Extension Rod, Powder Coated Chrome, Electromagnetic Door Holder Extension (Notifier DHE1.5PC)	19.02	5.19
28 46 21 33-1479 EA 1.5" Adjustable Extension Rod, Powder Coated Chrome, Electromagnetic Door Holder Extension (Notifier DHE1.5APC)	19.02	5.19
28 46 21 33-1480 EA 1.5" Extension Rod, Plated Brass, Electromagnetic Door Holder Extension (Notifier DHE1.5B)	19.34	5.19
28 46 21 33-1481 EA 1.5" Extension Rod, Powder Coated Dark Bronze, Electromagnetic Door Holder Extension (Notifier DHE1.5D)	20.30	5.19
28 46 21 33-1482 EA 2" Extension Rod, Powder Coated Chrome, Electromagnetic Door Holder Extension (Notifier DHE2PC)	20.30	5.19
28 46 21 33-1483 EA 2" Adjustable Extension Rod, Powder Coated Chrome, Electromagnetic Door Holder Extension (Notifier DHE2APC)	20.30	5.19
28 46 21 33-1484 EA 2" Extension Rod, Plated Brass, Electromagnetic Door Holder Extension (Notifier DHE2B)	20.78	5.19
28 46 21 33-1485 EA 2" Extension Rod, Powder Coated Dark Bronze, Electromagnetic Door Holder Extension (Notifier DHE2D)	21.10	5.19
28 46 21 33-1486 EA 3" Extension Rod, Powder Coated Chrome, Electromagnetic Door Holder Extension (Notifier DHE3PC)	21.10	5.19
28 46 21 33-1487 EA 3" Extension Rod, Plated Brass, Electromagnetic Door Holder Extension (Notifier DHE3B)	22.06	5.19
28 46 21 33-1488 EA 3" Extension Rod, Powder Coated Dark Bronze, Electromagnetic Door Holder Extension (Notifier DHE3D)	22.06	5.19
28 46 21 33-1489 EA 4" Extension Rod, Powder Coated Chrome, Electromagnetic Door Holder Extension (Notifier DHE4PC)	22.38	5.19
28 46 21 33-1490 EA 4" Adjustable Extension Rod, Powder Coated Chrome, Electromagnetic Door Holder Extension (Notifier DHE4APC)	22.38	5.19
28 46 21 33-1491 EA 4" Adjustable Extension Rod, Plated Brass, Electromagnetic Door Holder Extension (Notifier DHE4AB)	23.18	5.19
28 46 21 33-1492 EA 4" Adjustable Extension Rod, Powder Coated Dark Bronze, Electromagnetic Door Holder Extension (Notifier DHE4AD)	25.58	5.19
28 46 21 33-1493 EA 5" Extension Rod, Powder Coated Chrome, Electromagnetic Door Holder Extension (Notifier DHE5PC)	23.18	5.19
28 46 21 33-1494 EA 5" Extension Rod, Plated Brass, Electromagnetic Door Holder Extension (Notifier DHE5B)	24.14	5.19
28 46 21 33-1495 EA 5" Extension Rod, Powder Coated Dark Bronze, Electromagnetic Door Holder Extension (Notifier DHE5D)	25.58	5.19
28 46 21 33-1496 EA Catch Plate, Powder Coated Chrome For Electromagnetic Door Holder (Notifier DHCP)	25.65	7.78
28 46 21 33-1497 EA Catch Plate, Plated Brass For Electromagnetic Door Holder (Notifier DHCPB)	26.29	7.78
28 46 21 33-1498 EA Catch Plate, Powder Coated Dark Bronze For Electromagnetic Door Holder (Notifier DHCPD)	28.37	7.78
28 46 21 33-1499 EA Swivel Base, Powder Coated Chrome, For Electromagnetic Door Holder (Notifier DHSBPC)	43.25	7.78
28 46 21 33-1500 EA Swivel Base, Plated Brass, For Electromagnetic Door Holder (Notifier DHSBB)	45.81	7.78
28 46 21 33-1501 EA Swivel Base, Powder Coated Dark Bronze, For Electromagnetic Door Holder (Notifier DHSBD)	48.37	7.78
28 46 21 33-1502 EA Surface Mounted Backbox, Powder Coated Chrome For Electromagnetic Door Holder (Notifier DHBBPC)	43.22	12.97
28 46 21 33-1503 EA Surface Mounted Backbox, Plated Brass For Electromagnetic Door Holder (Notifier DHBBB)	45.14	12.97
28 46 21 33-1504 EA Surface Mounted Backbox, Powder Coated Dark Bronze For Electromagnetic Door Holder (Notifier DHBBD)	47.86	12.97
28 46 21 33-1505 EA Swivel Base Mounting Drill Fixture For Electromagnetic Door Holder (Notifier DHDF)	216.00	
28 46 21 33-1506 EA Two Piece Extension Wrench (Notifier DHW)	2.40	
28 46 21 33-1507 First Command (28 46 21 33-0982)		
28 46 21 33-1508 EA Black, 120 VAC, 50 Watts, 25 VRMS, One Class A/B Speaker Circuit, Primary Operating Console (Notifier NFC-50/100)	4,842.78	648.50
28 46 21 33-1509 EA Black, 220-240 VAC, 50 Watts, 25 VRMS, One Class A/B Speaker Circuit, Primary Operating Console (Notifier NFC-50/100E)	4,842.78	648.50
28 46 21 33-1510 EA Black, 120 VAC, 50 Watts, 25 VRMS Or 70 VRMS, Four Class A/B Speaker Circuits, Distributed (Remote) Audio Amplifier (Notifier NFC-50DA)	1,204.32	51.88
28 46 21 33-1511 EA Black, 220-240 VAC, 50 Watts, 25 VRMS Or 70 VRMS, Four Class A/B Speaker Circuits, Distributed (Remote) Audio Amplifier (Notifier NFC-50DAE)	1,204.32	51.88
28 46 21 33-1512 EA Black, 120 VAC, 125 Watts, 25 VRMS, Four Class A/B Speaker Outputs, Distributed Audio Amplifier (Notifier NFC-125DA)	2,157.92	51.88
28 46 21 33-1513 EA Black, 220-240 VAC, 125 Watts, 25 VRMS, Four Class A/B Speaker Outputs, Distributed Audio Amplifier (Notifier NFC-125DAE)	2,157.92	51.88
28 46 21 33-1514 EA 50 Watts, 25 VRMS Audio Amplifier Module For A Second Speaker Circuit Or Backup (Notifier NFC-BDA-25 Volt)	471.88	25.94
28 46 21 33-1515 EA 50 Watts, 70 VRMS Audio Amplifier Module For A Second Speaker Circuit Or Backup (Notifier NFC-BDA-70 Volt)	471.88	25.94
28 46 21 33-1516 EA Circuit Expander Module For NFC-50/125DA(E), Four Additional Class A/B Speaker Circuits (Notifier NFC-CE4)	324.68	25.94
28 46 21 33-1517 EA Circuit Expander Module For NFC-50/100(E), Six Additional Class A/B Speaker Circuits (Notifier NFC-CE6)	451.88	25.94
28 46 21 33-1518 EA Standalone Firefighter Telephone System (Notifier NFC-FFT)	1,611.52	51.88
Note: Includes onboard SLC supports up to 24 monitor modules, built-in handset, black.		
28 46 21 33-1519 EA Local Operator Console (Notifier NFC-LOC)	1,560.32	51.88
Note: Includes built-in microphone, message and zone control switches, black.		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 21 33-1520 EA Black, Remote Microphone (Notifier NFC-RM).....	437.58	
28 46 21 33-1521 EA Remote Page Unit (Notifier NFC-RPU).....	1,327.52	51.88
Note: Includes built-in microphone, message control switches, black.		
28 46 21 33-1522 EA Remote Telephone Zone Module (Notifier NFC-RTZM).....	592.68	25.94
28 46 21 33-1523 EA 70 V Conversion Module For NFC-50/100 (Notifier NFC-XRM-70V).....	249.48	25.94
28 46 21 33-1524 EA Firefighters Phone Jack (Notifier N-FPJ).....	113.17	7.78
28 46 21 33-1525 EA Thumbblatch Option For NFC-LOC And NFC-RPU (Notifier THUMBBLTCH).....	34.77	7.78
28 46 21 33-1526 EA Black, Trim Ring For NFC-RPU Cabinet (Notifier TR-6-B).....	102.33	15.57
28 46 21 33-1527 LED Displays (28 46 21 33-0982)		
28 46 21 33-1528 EA 2.1" x 27" Programmable LED Indoor Display (Notifier ALPHA-215).....	1,062.25	31.13
28 46 21 33-1529 EA Instant And Integrated Emergency Notification System (Notifier LEDSIGN-GW).....	1,795.01	41.50
28 46 21 33-1530 EA 4" x 45-1/2" Programmable LED Array, Mass Notification Device (Notifier MEGADOT).....	1,843.01	41.50
28 46 21 33-1531 EA 8 Messages, FACP Interface For LED Arrays (Notifier MNS-CONTROL8).....	1,243.01	41.50
28 46 21 33-1532 EA 16 Messages, FACP Interface For LED Arrays (Notifier MNS-CONTROL16).....	1,883.01	41.50
28 46 21 33-1533 EA LED Sign, Instant And Integrated Emergency Notification System (Notifier OAX2-24V).....	1,843.01	41.50
28 46 21 33-1534 Control Relays (28 46 21 33-0982)		
28 46 21 33-1535 EA Single SPDT Relay With LED With Metal Backbox And Red Plastic Cover (Notifier MR-101/CR).....	53.14	12.97
28 46 21 33-1536 EA Single SPDT Relay With LED With Track Mounting Hardware (Notifier MR-101/T).....	43.54	12.97
28 46 21 33-1537 EA Four Position SPDT Relay With LEDs With Metal Backbox And Red Plastic Cover (Notifier MR-104/CR).....	135.08	25.94
28 46 21 33-1538 EA Four Position SPDT Relay With LED With Track Mounting Hardware (Notifier MR-104/T).....	81.94	12.97
28 46 21 33-1539 EA Four Position DSPDT Relay With LED With Track Mounting Hardware (Notifier MR-204/T).....	96.34	12.97
28 46 21 33-1540 EA 24 VDC, 30 Amp Contacts, DPDT Relay In Steel Enclosure (Notifier MR-199X-13C).....	122.28	25.94
28 46 21 33-1541 EA 120 VAC, 30 Amp Contacts, DPDT Relay In Steel Enclosure (Notifier MR-199X-14C).....	122.28	25.94
28 46 21 33-1542 EA Single DPDT Relay With LED With Metal Backbox And Red Plastic Cover (Notifier MR-201/CR).....	82.28	25.94
28 46 21 33-1543 EA Single DPDT Relay With LED With Track Mounting Hardware (Notifier MR-201/T).....	46.34	12.97
28 46 21 33-1544 EA Four Position DPDT Relay With LEDs With Metal Backbox And Red Plastic Cover (Notifier MR-204/CR).....	151.88	25.94
28 46 21 33-1545 EA 24 VDC/24 VAC/115 VAC, 10 Amp, Form C, Multi-Voltage Relay Module (Notifier PAM-1).....	64.68	25.94
28 46 21 33-1546 EA 12/24 VDC, 7 Amp, Form C, Multi-Voltage Relay Module (Notifier PAM-2).....	64.68	25.94
28 46 21 33-1547 EA 9 To 40 VDC, 10 Amp, Form C, Multi-Voltage Relay Module (Notifier PAM-4).....	64.68	25.94
28 46 21 33-1548 Gamewell-FCI Fire Control Instruments (28 46 21 33-0982)		
28 46 21 33-1549 7100 Series And NetSOLO® (28 46 21 33-1548)		
28 46 21 33-1550 7100 Compact Analog Addressable Fire Alarm Control Panels (28 46 21 33-1549)		
28 46 21 33-1551 EA Enclosure With Metal Door (Gamewell-FCI 7100-ENCL-M).....	823.00	311.28
28 46 21 33-1552 EA Basic Systems Kit, 2 Signaling Line Circuits (SLC) (Gamewell-FCI BK-7100-2).....	3,304.17	518.80
28 46 21 33-1553 EA Basic Systems Kit, With Digital Alarm Communicator Transmitter (DACT), 2 Signaling Line Circuits (SLC) (Gamewell-FCI BK-7100-2D).....	3,537.49	518.80
28 46 21 33-1554 EA Basic Systems Kit, 2 Signaling Line Circuits (SLC), 240 VAC (Gamewell-FCI BK-7100-2-E).....	3,304.17	518.80
28 46 21 33-1555 EA Basic Systems Kit, With Digital Alarm Communicator Transmitter (DACT), 2 Signaling Line Circuits (SLC), 240 VAC (Gamewell-FCI BK-7100-2D-E).....	3,537.49	518.80
28 46 21 33-1556 EA Replacement Board For 7100-1D (Gamewell-FCI BSM-7100-1).....	822.59	51.88
28 46 21 33-1557 EA Replacement Board For 7100-2 (Gamewell-FCI BSM-7100-1D).....	978.68	51.88
28 46 21 33-1558 EA Analog Loop Unit (Gamewell-FCI ALU).....	978.68	51.88
28 46 21 33-1559 NetSOLO® Intelligent Network (28 46 21 33-1549)		
28 46 21 33-1560 EA Intelligent Network Interface Module, Fiber Optic (Gamewell-FCI INI-7100-FO).....	1,081.37	51.88
Note: Mounted in 7100 panel.		
28 46 21 33-1561 EA Intelligent Network Interface Module, Unshielded Twisted Pair (Gamewell-FCI INI-7100-UTP).....	866.95	51.88
Note: Mounted in 7100 panel.		
28 46 21 33-1562 Components And Accessories (28 46 21 33-1549)		
28 46 21 33-1563 EA Remote Serial Annunciator, LCD Display (Gamewell-FCI LCD-7100).....	542.80	38.91
28 46 21 33-1564 EA Remote LED Driver Module, Outputs For Remote Panel Switches And 33 Remote LEDs (Gamewell-FCI LDM-7100).....	429.08	51.88
28 46 21 33-1565 EA Fiber Optic Line Driver Module (Gamewell-FCI FLD-1).....	755.23	51.88
28 46 21 33-1566 EA Class "A" Optional Module For Both Signaling Line Circuits (SLC) (Gamewell-FCI CAOM).....	327.21	51.88
28 46 21 33-1567 EA Replacement Enclosure Box (Gamewell-FCI EN-7100).....	311.85	103.76
28 46 21 33-1568 EA Serial Printer (Order RJAA To Db25 Connector Separately) (Gamewell-FCI P7200-TR-2).....	768.25	25.94
28 46 21 33-1569 E3 Series® Basic System (28 46 21 33-1548)		
28 46 21 33-1570 EA Intelligent Loop Interface, Mother Board (Gamewell-FCI ILI-MB-E3).....	766.49	51.88
28 46 21 33-1571 EA Intelligent Loop Interface, Supplemental (Gamewell-FCI ILI-S-E3).....	669.87	51.88
28 46 21 33-1572 EA Intelligent Loop Interface, Mother Board, XP95 Protocol (Gamewell-FCI ILI95-MB-E3).....	766.49	51.88
28 46 21 33-1573 EA Intelligent Loop Interface, Supplemental, XP95 Protocol (Gamewell-FCI ILI95-S-E3).....	669.87	51.88
28 46 21 33-1574 EA LCD Keypad Display (Gamewell-FCI LCD-E3).....	476.85	51.88
28 46 21 33-1575 EA Power Supply Module (Gamewell-FCI PM-9).....	612.99	51.88
28 46 21 33-1576 EA Transponder 9 Ampere Power Supply (Gamewell-FCI PM-9 INX).....	521.82	51.88
28 46 21 33-1577 EA Power Supply And Charger, 120/220 VAC (Gamewell-FCI PM-9G 9A).....	497.45	25.94
28 46 21 33-1578 EA Digital Alarm Communication Transmitter (Gamewell-FCI DACT-E3).....	313.12	51.88
28 46 21 33-1579 EA Network Repeater, Fiber Optic (Gamewell-FCI RPT-E3-FO).....	774.80	51.88
28 46 21 33-1580 EA Network Repeater, Unshielded Twisted Pair (Gamewell-FCI RPT-E3-UTP).....	655.35	51.88

28 Electronic Safety And Security**28 40 Life Safety****28 46 Fire Detection And Alarm**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 21 33-1581 EA Local Operating Console (Gamewell-FCI 1100-0455).....	440.89	38.91
28 46 21 33-1582 EA Network Graphic Annunciator (Gamewell-FCI 1100-0505).....	1,357.50	38.91
28 46 21 33-1583 EA 70.7 VRMS Audio Output Series Amplifier Module (Gamewell-FCI AM-50-70).....	565.57	51.88
28 46 21 33-1584 EA INI-VGE-UTP Classic Enabled Voice Gateway Module (Gamewell-FCI 1100-1326).....	1,645.44	51.88
28 46 21 33-1585 EA 8-1/4" Wide x 10" High x 4-1/2" Deep Cabinet (Gamewell-FCI E3BB-BAA1).....	447.75	103.76
28 46 21 33-1586 EA C Size, Black, Command Center Enclosure (Gamewell-FCI E3BB-BC/INCC).....	349.79	103.76
28 46 21 33-1587 EA Double Size, Blank, Inner Door Panel (Gamewell-FCI E3-BP).....	79.09	25.94
28 46 21 33-1588 EA Programmable Switch Module (Gamewell-FCI ASM-16).....	407.74	51.88
28 46 21 33-1589 EA LED Driver module (Gamewell-FCI ANU-48).....	407.74	51.88
28 46 21 33-1590 EA Network Graphic Annunciator (Gamewell-FCI NGA).....	1,142.08	38.91
28 46 21 33-1591 Addressable Devices, Module, Pulls And Accessories (28 46 21 33-1548)		
28 46 21 33-1592 Velociti® Series Sensors And Bases (28 46 21 33-1591)		
28 46 21 33-1593 EA Analog Addressable Plug-In Ionization Smoke Sensor (Gamewell-FCI ASD-IL2F).....	145.18	38.91
28 46 21 33-1594 EA Analog Addressable Plug-In Photoelectric Smoke Sensor (Gamewell-FCI ASD-PL2F).....	147.65	38.91
28 46 21 33-1595 EA Analog Addressable Plug-In Photoelectric Smoke Sensor With 135 Degree F Fixed Temperature Thermal Sensing (Gamewell-FCI ASD-PTL2F).....	155.04	38.91
28 46 21 33-1596 EA Addressable Plug-In Thermal Sensor, 15 Degree F Rate Of Rise, 135 Degree F (Gamewell-FCI ATD-RL2F).....	125.47	38.91
28 46 21 33-1597 EA Addressable Plug-In Thermal Sensor, 190 Degree F (Gamewell-FCI ATD-HL2F).....	129.58	38.91
28 46 21 33-1598 EA Addressable Plug-In Thermal Sensor, 135 Degree F (Gamewell-FCI ATD-L2F).....	125.47	38.91
28 46 21 33-1599 EA Addressable Plug-In Multi-Criteria Analog Sensor (Gamewell-FCI MCS-ACCLIMATE2F).....	172.29	38.91
28 46 21 33-1600 EA Analog Addressable Laser Smoke Sensor, Low Profile (Gamewell-FCI ASD-LS).....	344.81	38.91
28 46 21 33-1601 EA Analog Addressable Low Flow Photoelectric Smoke Duct Detector Without Relay (Gamewell-FCI ADPF).....	314.54	64.85
28 46 21 33-1602 EA Analog Addressable Low Flow Photoelectric Smoke Duct Detector With Relay (Gamewell-FCI ADPRF).....	347.40	64.85
28 46 21 33-1603 EA Replacement Duct Detector Board (Gamewell-FCI ADP-F-SB).....	192.96	64.85
28 46 21 33-1604 EA Flanged Mounting Base, For Use With Analog Sensor Or Velociti Sensors (Gamewell-FCI ADB-FLF).....	39.08	12.97
28 46 21 33-1605 EA Harsh Environment Analog Addressable Photoelectric Smoke Sensor (Gamewell-FCI ASD-FILTREX-F).....	369.46	38.91
28 46 21 33-1606 EA Flanged Mounting Base, For Use With ASD-FILTREX Or ASD-FILTREX-F (Gamewell-FCI ADB-FILTREXF).....	77.28	12.97
28 46 21 33-1607 EA Addressable Single-Ended Reflected Beam Smoke Sensor (Gamewell-FCI ABD-2F).....	1,264.69	77.82
28 46 21 33-1608 Velociti® Series Modules And Pull Station (28 46 21 33-1591)		
28 46 21 33-1609 EA Style "B", Class "B" Addressable Monitor Module (Gamewell-FCI AMM-2F).....	104.05	25.94
28 46 21 33-1610 EA Dual Style "B", Class "B" Addressable Monitor Module (Gamewell-FCI AMM-2IF).....	156.21	25.94
28 46 21 33-1611 EA Style "D", Class "A" Addressable Monitor Module (Gamewell-FCI AMM-4F).....	112.26	25.94
28 46 21 33-1612 EA Subloop Style "D", Class "A" Addressable Monitor Module (Gamewell-FCI AMM-4SF).....	150.46	25.94
28 46 21 33-1613 EA Addressable Output Relay Control Module (Gamewell-FCI AOM-2RF).....	128.69	25.94
28 46 21 33-1614 EA Addressable Output Supervised Module (Gamewell-FCI AOM-2SF).....	132.80	25.94
28 46 21 33-1615 EA Addressable Double Action Station, With AMM-2SF Mini-Mod (Gamewell-FCI MS-7AF).....	197.00	51.88
28 46 21 33-1616 EA Addressable Single Action Pull Station (Gamewell-FCI MS-7ASF).....	136.50	25.94
28 46 21 33-1617 EA Telephone Filters (Gamewell-FCI AOM-TEL-FL).....	22.70	5.19
28 46 21 33-1618 Components And Accessories (28 46 21 33-1591)		
28 46 21 33-1619 EA Remote LED Annunciator Alarm (Gamewell-FCI RA400Z).....	62.04	20.75
Note: Mounts on single gang box.		
28 46 21 33-1620 EA Up To 2' Wide Ducts Metal Sampling Tube (Gamewell-FCI ST-1.5).....	31.02	10.38
28 46 21 33-1621 EA >2' To 4' Wide Ducts Metal Sampling Tube (Gamewell-FCI ST-3).....	32.66	10.38
28 46 21 33-1622 EA >4' To 8' Wide Ducts Metal Sampling Tube (Gamewell-FCI ST-5).....	39.50	12.97
28 46 21 33-1623 EA >8' To 10' Wide Ducts Metal Sampling Tube (Gamewell-FCI ST-10).....	59.88	15.57
28 46 21 33-1624 EA Remote Test Station With LED Alarm And Magnet Test Switch (Gamewell-FCI RTS451).....	87.51	20.75
Note: Mounts on single gang box.		
28 46 21 33-1625 Fixed And Rate of Rise Heat Detectors (28 46 21 33-1591)		
28 46 21 33-1626 EA 135 Degree F Fixed Temperature And Rate Of Rise Heat Detector (Gamewell-FCI 5601P).....	91.79	38.91
28 46 21 33-1627 EA 194 Degree F Fixed Temperature And Rate Of Rise Heat Detector (Gamewell-FCI 5602).....	91.79	38.91
28 46 21 33-1628 EA 135 Degree F Fixed Temperature Heat Detector (Gamewell-FCI 5603).....	91.79	38.91
28 46 21 33-1629 EA 194 Degree F Fixed Temperature Heat Detector (Gamewell-FCI 5604).....	91.79	38.91
28 46 21 33-1630 NAC Expander/Power Supply (28 46 21 33-1591)		
28 46 21 33-1631 EA FireForce 8 NAC Expander/Power Supply, 12/24 VDC, 8 Amp, 4 Notification Appliance Circuits, Built-in Synchronization Protocols For Gamewell, Wheelock, Gentex, Faraday, And System Sensor (Gamewell-FCI FF8).....	1,421.56	415.03
28 46 21 33-1632 EA 6A Supplementary Notification Appliance Circuit Power Supply With Sync (Gamewell-FCI GFPS-6).....	1,265.48	415.03
28 46 21 33-1633 EA 9A Supplementary Notification Appliance Circuit Power Supply With Sync (Gamewell-FCI GFPS-9).....	1,343.52	415.03
28 46 21 33-1634 Batteries And Accessories (28 46 21 33-1548)		
28 46 21 33-1635 EA B-17R, 12 VDC, 17 Amp Hours Sealed Lead Acid Battery (Gamewell-FCI 100-2010A).....	193.18	25.94
28 46 21 33-1636 EA B-55R, 12 VDC, 55 Amp Hours Sealed Lead Acid Battery (Gamewell-FCI 100-2710A).....	461.00	25.94
28 46 21 33-1637 EA B-7R, 12 VDC, 7 Amp Hours Sealed Lead Acid Battery (Gamewell-FCI 100-2311A).....	111.03	25.94
28 46 21 33-1638 EA BC-1, Battery Cabinet, Beige (Gamewell-FCI 1100-0653).....	252.46	51.88
28 46 21 33-1639 EA BC-1R, Battery Cabinet, Red (Gamewell-FCI 1100-0654).....	252.46	51.88
28 46 21 33-1640 EA 12"H x 12"W x 24"L Vented Steel Battery Cabinet With Hinged Key Lockable Cover (Gamewell-FCI GW70970).....	228.63	51.88
28 46 21 33-1641 Electronic Door Holders (28 46 21 33-1548)		
Note: Nixon products.		



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
				28 46 21 33-1642 EA XK-996, Door Holder Extender Kit, 1-1/2" Spacer (Gamewell-FCI 140-30000).....	34.53	5.19
				28 46 21 33-1643 EA FM-980, Floor Mount Door Holder, 12 VDC, 24 VAC/DC Or 120 VAC (Gamewell-FCI 140-90000).....	274.98	38.91
				28 46 21 33-1644 EA FM-981, Floor Mount Holder For Double Doors, 12 VDC, 24 VAC/DC Or 120 VAC (Gamewell-FCI 140-90001).....	364.53	38.91
				28 46 21 33-1645 EA FM-990, Low Profile Mount Door Holder, 12 VDC, 24 VAC/DC Or 120 VAC (Gamewell-FCI 140-90002).....	185.77	38.91
				28 46 21 33-1646 EA FM-996, Surface Mount Door Holder, 12 VDC, 24 VAC/DC Or 120 VAC (Gamewell-FCI 140-90003).....	178.37	38.91
				28 46 21 33-1647 EA FM-997 Recessed Mount Door Holder, 12 VDC, 24 VAC/DC Or 120 VAC (Gamewell-FCI 140-90004).....	185.77	38.91
				28 46 21 33-1648 EA FM-998, Recessed Mount Door Holder With Concealed Wiring, 12 VDC, 24 VAC/DC Or 120 VAC (Gamewell-FCI 140-90005).....	185.44	38.91
28 46 21 33-1649				SpectrAlert® Advance Wall Mount 2-Wire Horn/Strobes (28 46 21 33-1548) See CSI section 28 46 21 33-1813 for devices.		
28 46 21 33-1650				SpectrAlert® Advance Accessories (28 46 21 33-1548) See CSI section 28 46 21 33-1813 for backboxes, 28 46 21 33-2070 for backboxes.		
28 46 21 33-1651				Fire Alarm Programming (28 46 21 33-1548) Note: For device replacement projects only. Do not use these tasks on projects where a fire alarm panel is replaced.		
				28 46 21 33-1652 EA Program And Test Up To 5 Fire Alarm Devices.....	500.00	
				28 46 21 33-1653 EA Program And Test >5 To 20 Fire Alarm Devices.....	1,000.00	
				28 46 21 33-1654 EA Program And Test >20 To 50 Fire Alarm Devices.....	2,000.00	
28 46 21 33-1655				Fire-Lite Fire Alarm (28 46 21 33-0981)		
28 46 21 33-1656				Addressable Control Panels (28 46 21 33-1655)		
				28 46 21 33-1657 EA 25 Point Intelligent Control (Fire Lite MS-25).....	1,510.45	518.80
				28 46 21 33-1658 EA 50 Point Intelligent Control (Fire Lite MS-9050UD).....	1,625.50	518.80
				28 46 21 33-1659 EA 198-Point Intelligent Control (Fire Lite MS-9200UDLS).....	2,321.62	518.80
				28 46 21 33-1660 EA 636-Point Intelligent Control (Fire Lite MS-9600LS).....	3,344.95	518.80
				28 46 21 33-1661 EA 636-Point Intelligent Control (Fire Lite MS-9600UDLS).....	3,235.17	518.80
28 46 21 33-1662				Silent Knight Fire Alarm (28 46 21 33-0981)		
				28 46 21 33-1663 EA Addressable Fire Alarm Control Panel With Integrated Emergency Communication System (Silent Knight 5820XL-EVS).....	3,092.72	259.39
				28 46 21 33-1664 EA Supervised Remote Command Unit (Silent Knight EVS-RCU).....	1,312.51	155.64
				28 46 21 33-1665 EA 50 Watt Amplifier (Silent Knight EVS-50W).....	917.12	103.76
				28 46 21 33-1666 EA 125 Watt Amplifier (Silent Knight EVS-125W).....	1,584.21	103.76
				28 46 21 33-1667 EA Voice Evacuation System (Silent Knight SKE-450).....	1,518.09	103.76
				28 46 21 33-1668 EA Fire Fighters Telephone (Silent Knight SK-FFT).....	1,270.14	103.76
				28 46 21 33-1669 EA Multi-Loop Addressable Fire Alarm Control/Communicator System (Silent Knight 5820XL).....	1,330.22	155.64
				28 46 21 33-1670 EA Single Loop Addressable Fire Alarm Control/Communicator System (Silent Knight 5808).....	982.05	103.76
				28 46 21 33-1671 EA Single Loop Addressable Fire Alarm Control/Communicator System (Silent Knight 5700).....	765.46	103.76
				28 46 21 33-1672 EA Hybrid Conventional Fire Alarm Control/Communicator System (Silent Knight 5600).....	668.68	103.76
				28 46 21 33-1673 EA Combination Fire And CO Detector (Silent Knight SK-FIRE-CO).....	216.86	38.91
				28 46 21 33-1674 EA Photoelectric Detector (Silent Knight SK-PHOTO).....	133.79	38.91
				28 46 21 33-1675 EA Photoelectric Thermal Detector (Silent Knight SK-PHOTO-T).....	139.57	38.91
				28 46 21 33-1676 EA Ionization Smoke Detector (Silent Knight SK-ION).....	140.22	38.91
				28 46 21 33-1677 EA 135 Degree Fixed Temperature Detector (Silent Knight SK-HEAT).....	125.28	38.91
				28 46 21 33-1678 EA 190 Degree Fixed Temperature Detector (Silent Knight SK-HEAT-HT).....	130.56	38.91
				28 46 21 33-1679 EA 135 Degree Fixed Temperature Rate-of-Rise Detector (Silent Knight SK-HEAT-ROR).....	132.51	38.91
				28 46 21 33-1680 EA Sounder Base (Silent Knight B200SR).....	73.53	12.97
				28 46 21 33-1681 EA Intelligent Sounder Base (Silent Knight B200S).....	77.39	12.97
				28 46 21 33-1682 EA Isolator Base (Silent Knight B224BI).....	62.61	12.97
				28 46 21 33-1683 EA Relay Base (Silent Knight B224RB).....	63.24	12.97
				28 46 21 33-1684 EA Multi-Criteria Photoelectric Detector With Thermal Sensing (Silent Knight SK-ACCLIMATE).....	142.24	38.91
				28 46 21 33-1685 EA Photoelectric Duct Detector (Silent Knight SK-DUCT).....	214.44	38.91
				28 46 21 33-1686 EA Single-Ended Reflected Beam Smoke Detector (Silent Knight SK-BEAM).....	696.50	38.91
				28 46 21 33-1687 EA Single-Ended Reflected Beam Smoke Detector (Silent Knight SK-BEAM-T).....	792.13	38.91
				28 46 21 33-1688 EA Dual Monitor Module (Silent Knight SK-MONITOR-2).....	164.54	38.91
				28 46 21 33-1689 EA Supervised Control Module (Silent Knight SK-CONTROL).....	141.00	38.91
				28 46 21 33-1690 EA Six Circuit Supervised Control Module (Silent Knight SK-CONTROL-6).....	426.34	51.88
				28 46 21 33-1691 EA Relay Control Module (Silent Knight SK-RELAY).....	116.30	25.94
				28 46 21 33-1692 EA Six Relay Control Module (Silent Knight SK-RELAY-6).....	413.19	51.88
				28 46 21 33-1693 EA Zone Interface Module (Silent Knight SK-ZONE).....	143.48	38.91
				28 46 21 33-1694 EA Six Zone Interface Module (Silent Knight SK-ZONE-6).....	488.46	51.88
				28 46 21 33-1695 EA Monitor Module (Silent Knight SK-MONITOR).....	126.71	38.91
				28 46 21 33-1696 EA 10 Input Monitor Module (Silent Knight SK-MON-10).....	474.13	51.88
				28 46 21 33-1697 EA Monitor Module (Silent Knight SK-MINIMON).....	119.64	38.91
				28 46 21 33-1698 EA Fault Isolator Module (Silent Knight SK-ISO).....	130.56	38.91
				28 46 21 33-1699 EA Addressable Heat Sensor (Silent Knight SD505-AHS).....	128.64	38.91
				28 46 21 33-1700 EA Analog Ionization Smoke Detector (Silent Knight SD505-AIS).....	137.76	38.91
				28 46 21 33-1701 EA Addressable Photoelectric Smoke Detector (Silent Knight SD505-APS).....	130.56	38.91
				28 46 21 33-1702 EA 6" Addressable Sounder Base (Silent Knight SD505-6SB).....	88.34	12.97
				28 46 21 33-1703 EA 6" Addressable Relay Base (Silent Knight SD505-6RB).....	83.83	12.97
				28 46 21 33-1704 EA 6" Isolator Base (Silent Knight SD505-6IB).....	76.76	12.97
				28 46 21 33-1705 EA Addressable Input Module (Silent Knight SD500-AIM).....	129.93	38.91
				28 46 21 33-1706 EA Addressable Notification Module (Silent Knight SD500-ANM).....	154.63	38.91
				28 46 21 33-1707 EA Addressable Relay Module (Silent Knight SD500-ARM).....	141.00	38.91
				28 46 21 33-1708 EA SLC Annunciator Driver Module (Silent Knight SD500-LED).....	503.31	77.82

28 Electronic Safety And Security**28 40 Life Safety****28 46 Fire Detection And Alarm**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 21 33-1709 EA Loop Isolation Module (Silent Knight SD500-LIM).....	134.42	38.91
28 46 21 33-1710 EA Addressable Mini Input Module (Silent Knight SD500-MIM).....	102.70	25.94
28 46 21 33-1711 EA Single Action Addressable Pull Station (Silent Knight SD500-PS).....	127.45	25.94
28 46 21 33-1712 EA Dual Action Addressable Pull Station (Silent Knight SD500-PSDA).....	122.49	25.94
28 46 21 33-1713 EA Back Box (Silent Knight SK-PSSMBB).....	62.24	20.75
28 46 21 33-1714 EA Smoke Detector Module (Silent Knight SD500-SDM).....	147.19	38.91
28 46 21 33-1715 EA Addressable Smoke 4" Detector Base (Silent Knight SD505-4AB).....	37.70	12.97
28 46 21 33-1716 EA Addressable Smoke 6" Detector Base (Silent Knight SD505-6AB).....	37.70	12.97
28 46 21 33-1717 EA Addressable Duct Housing (Silent Knight SD505-DUCT).....	222.91	38.91
28 46 21 33-1718 EA Addressable Duct Housing With Built-In Relay (Silent Knight SD505-DUCTR).....	282.15	38.91
28 46 21 33-1719 EA Addressable Duct Detector Test Switch (Silent Knight SD505-DTS).....	133.14	38.91
28 46 21 33-1720 EA Intelligent Power Module (Silent Knight 5895XL).....	720.06	103.76
28 46 21 33-1721 EA Addressable Power Supply (Silent Knight 5496).....	505.70	77.82
28 46 21 33-1722 EA Relay Interface Board (Silent Knight 5883).....	190.92	25.94
28 46 21 33-1723 EA Remote LED Annunciator (Silent Knight 5865-3).....	391.68	51.88
28 46 21 33-1724 EA Remote LED Annunciator (Silent Knight 5865-4).....	439.25	51.88
28 46 21 33-1725 EA Remote LCD Annunciator (Silent Knight SK-5860).....	435.20	77.82
28 46 21 33-1726 EA Serial/Parallel Printer Interface (Silent Knight 5824).....	265.89	25.94
28 46 21 33-1727 EA LED Input/Output Module (Silent Knight / IntelliKnight 5880).....	317.95	38.91
28 46 21 33-1728 EA Addressable Pull Station (Silent Knight SK-Pull-DA/SA).....	122.49	25.94
28 46 21 33-1729 EA Digital Fire Communicator with Cabinet (Silent Knight SK-5104).....	418.47	77.82
28 46 21 33-1730 EA Communicator (Silent Knight IPGSM-4G).....	576.96	51.88
28 46 21 33-1731 EA Ten Zone Conventional Fire Alarm Control Panel (Silent Knight SK-5208).....	926.56	103.76
28 46 21 33-1732 EA 10 Zone Expander (Silent Knight SK-5217).....	257.43	25.94
28 46 21 33-1733 EA Remote Annunciator (Silent Knight SK-5235).....	275.45	51.88
28 46 21 33-1734 EA Status Display Module (Silent Knight 5280).....	87.27	25.94
28 46 21 33-1735 EA Serial/Parallel Module (Silent Knight 5824).....	317.77	51.88
28 46 21 33-1736 EA Four Zone Conventional Fire Alarm Control Panel (Silent Knight SK-4).....	557.58	103.76
28 46 21 33-1737 EA Four Zone Conventional Fire Alarm Control Panel (Silent Knight SK-4E).....	567.13	103.76
28 46 21 33-1738 EA Dress Panel (Silent Knight SK-DP2/4).....	109.77	25.94
28 46 21 33-1739 EA Class A Convertor (Silent Knight SK-CAC4).....	266.44	38.91
28 46 21 33-1740 EA Transmitter Module (Silent Knight SK-4XTM).....	153.39	38.91
28 46 21 33-1741 EA LED Interface Module (Silent Knight SK-4XML).....	143.48	38.91
28 46 21 33-1742 EA 110 VAC Transformer, 3-6A (Silent Knight SK-XRM24).....	137.36	25.94
28 46 21 33-1743 EA Remote Annunciator (Silent Knight SK-RZA4).....	143.48	38.91
28 46 21 33-1744 EA Zone Relay Module (Silent Knight SK-4XZM).....	152.15	38.91
28 46 21 33-1745 EA Two Zone Conventional Fire Alarm Control Panel (Silent Knight SK-2).....	491.86	103.76
28 46 21 33-1746 EA Remote Battery Box Accessory Cabinet (Silent Knight RBB).....	122.49	25.94
28 46 21 33-1747 EA Manual Pull Station (single action) (Silent Knight PS-SATK).....	75.87	25.94
28 46 21 33-1748 EA Manual Pull Station (dual action) (Silent Knight PS-DATK).....	80.65	25.94
28 46 21 33-1749 EA Manual Pull Station (dual action) (Silent Knight PS-DA).....	79.31	25.94
28 46 21 33-1750 EA Dual Action Manual Pull Station, Hex Key (Silent Knight PS-DAH).....	72.74	25.94
28 46 21 33-1751 EA Dual Action Listed Outdoor Manual Pull Station With Black Box (Silent Knight PS-DALOB).....	144.01	31.13
28 46 21 33-1752 EA 6 Amp, 24 VDC, Distributed Power Module (with cabinet) (Silent Knight SK-5495).....	478.22	77.82
28 46 21 33-1753 EA 9 Amp, 24 VDC, Distributed Power Module (with cabinet) (Silent Knight SK-5499).....	530.79	77.82
28 46 21 33-1754 Alerton <small>(28 46 21 33)</small>		
28 46 21 33-1755 EA UL Listed Surge Protector In CHS-M3 Or CPU2-640 Chassis (Alerton ESD-100).....	391.57	7.78
28 46 21 33-1756 Cooper Fire Alarm <small>(28 46 21 33)</small>		
28 46 21 33-1757 EA Single Circuit Class A / Multiple B, 12 Or 24 VDC, Sync Module (Cooper DSM-12/24-R).....	147.88	25.94
28 46 21 33-1758 EA Red Lens, 21 Joules, 24 VDC, Class I, Div 1, Groups C, D, NEMA 4X And 6, Strobe (Cooper EP109205-001).....	2,290.60	44.10
28 46 21 33-1759 EA Red, 100 dB, 24 VDC, Class I, Div 1, Groups C, D, NEMA 4X, Multitone Horn (Cooper EP109206-002).....	3,010.60	44.10
28 46 21 33-1760 EA Red Lens, 5 Joules, 24 VDC, Red Finish, Class I, Div 2, Groups C And D, NEMA 4X And 6, Strobe (Cooper HL109201-001).....	1,125.36	51.88
28 46 21 33-1761 EA Clear Lens, 5 Joules, 24 VDC, Red Finish, Class I, Div 2, Groups C And D, NEMA 4X And 6, Strobe (Cooper HL109201-002).....	1,131.76	51.88
28 46 21 33-1762 EA Amber Lens, 5 Joules, 110 VAC, Red Finish, Class I, Div 2, Groups C And D, NEMA 4X And 6, Strobe (Cooper HL109201-007).....	1,131.76	51.88
28 46 21 33-1763 EA Red Lens, 10 Joules, 24 VDC, Wire Guard, Black Finish, Class I, Div 2, Groups A, B, C And D, NEMA 4X And 6, Strobe (Cooper HL109202-001).....	848.56	51.88
28 46 21 33-1764 EA Amber Lens, 10 Joules, 120 VAC, Wire Guard, Black Finish, Class I, Div 2, Groups A, B, C And D, NEMA 4X And 6, Strobe (Cooper HL109202-003).....	848.56	51.88
28 46 21 33-1765 EA Red Lens, 10 Joules, 120 VAC, Wire Guard, Black Finish, Class I, Div 2, Groups A, B, C And D, NEMA 4X And 6, Strobe (Cooper HL109202-004).....	848.56	51.88
28 46 21 33-1766 EA Amber Lens, 15 Joules, 120 VAC, Wire Guard, Black Finish, Backstrap, Class I, Div 2, Groups A, B, C And D, NEMA 4X And 6, Strobe (Cooper HL109202-005).....	1,131.76	51.88
28 46 21 33-1767 EA Amber Lens, 15 Joules, 120 VAC, Wire Guard, Black Finish, Pendant Mounted, Class I, Div 2, Groups A, B, C And D, NEMA 4X And 6, Strobe (Cooper HL109202-006).....	1,131.76	51.88
28 46 21 33-1768 EA Red Lens, 15 Joules, 120 VAC, Wire Guard, Black Finish, Backstrap, Class I, Div 2, Groups A, B, C And D, NEMA 4X And 6, Strobe (Cooper HL109202-007).....	1,131.76	51.88
28 46 21 33-1769 EA Red Lens, 15 Joules, 120 VAC, Wire Guard, Black Finish, Pendant Mounted, Class I, Div 2, Groups A, B, C And D, NEMA 4X And 6, Strobe (Cooper HL109202-008).....	1,131.76	51.88
28 46 21 33-1770 EA Red Lens, 15 Joules, 24 VDC, Wire Guard, Blackstrap, Black Finish, Class I, Div 2, Groups A, B, C And D, NEMA 4X And 6, Strobe (Cooper HL109203-002).....	1,131.76	51.88
28 46 21 33-1771 EA Red Lens, 21 Joules, 24 VDC, Red Finish, Class I, Div 2, Groups C And D, NEMA 4X And 6, Strobe (Cooper HL109204-001).....	1,297.36	51.88
28 46 21 33-1772 EA Red Lens, 21 Joules, 24 VDC, Black Finish, Class I, Div 2, Groups C And D, NEMA 4X And 6, Strobe (Cooper HL109204-003).....	1,207.76	51.88



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 21 33-1773 EA Amber Lens, 21 Joules, 110 VAC, Red Finish, Class I, Div 2, Groups C And D, NEMA 4X And 6, Strobe (Cooper HL109204-005).....	1,207.76	51.88
28 46 21 33-1774 EA Red Lens, 21 Joules, 110 VAC, Red Finish, Class I, Div 2, Groups C And D, NEMA 4X And 6, Strobe (Cooper HL109204-006).....	1,207.76	51.88
28 46 21 33-1775 Light Engineered Displays Message Boards (28 46 21 33)		
28 46 21 33-1776 EA Two Message Sign, "Announcement" And "Evacuate" (LED SP-2/MNS)	418.25	31.13
28 46 21 33-1777 EA Four Message Sign, "Fire", "Weather", "Announcement", "E Voltuate" (LED SP-4).....	506.25	31.13
28 46 21 33-1778 STI Fire Alarm (28 46 21 33)		
28 46 21 33-1779 EA Pull Station Polycarbonate Cover, Semi Flush With Horn (STI-1100)	103.05	15.57
Note: Include 9 VDC self contained battery.		
28 46 21 33-1780 EA Surface Mounted, Manual Pull Station Polycarbonate Cover With Horn (STI-1130)	132.73	15.57
28 46 21 33-1781 EA Flush Mounted, Manual Pull Station Polycarbonate Cover (STI-1200).....	92.15	15.57
28 46 21 33-1782 EA Surface Mounted, Horn Strobe Polycarbonate Cover (STI-1210D)	84.12	15.57
Note: For surface mounted horn strobes.		
28 46 21 33-1783 EA Flush Mounted, Horn Strobe Polycarbonate Cover (STI-1210E).....	75.29	15.57
28 46 21 33-1784 EA Strobe Damage Stopper And Open Backbox With Conduit Knockout (STI-1221D)	84.12	15.57
Note: For surface mounted strobe.		
28 46 21 33-1785 EA Strobe Damage Stopper And Open Backbox, Semi Flush (STI-1221E).....	83.94	15.57
28 46 21 33-1786 EA NEMA 4X Rated Polycarbonate Dome Cover (STI-1229)	163.93	15.57
28 46 21 33-1787 EA Surface Mounted, Manual Pull Station Polycarbonate Cover (STI-1230)	109.81	15.57
Note: For surface mounted pull stations.		
28 46 21 33-1788 EA Backplate For Polycarbonate Cover (STI-1280)	53.33	15.57
28 46 21 33-1789 EA Conduit Gasket For Polycarbonate Cover (STI-3003)	39.33	15.57
28 46 21 33-1790 EA Conduit Spacer For Surface Mounted Polycarbonate Cover (STI-3100)	62.13	15.57
28 46 21 33-1791 EA Weather Resistant, Surface Mounted, Manual Pull Station Polycarbonate Cover (STI-3150).....	112.73	15.57
28 46 21 33-1792 EA 8.5" x 6.5" x 4.6", Thumb Lock, Lockable Enclosure (STI-7511A)	100.53	15.57
28 46 21 33-1793 EA 24.7" x 19.7" x 7.3", Key Lock, Lockable Enclosure (STI-7550).....	500.73	15.57
28 46 21 33-1794 EA Flush Mounted, Smoke Detector Polycarbonate Cover (STI-8100).....	82.33	15.57
28 46 21 33-1795 EA Flush Mounted, Low Profile, Smoke Detector Steel Wire Cover (STI-9601).....	76.33	15.57
28 46 21 33-1796 EA Surface Mounted, Low Profile, Smoke Detector, Polyester Shell, Steel Wire Cover (STI-9602)	70.73	15.57
28 46 21 33-1797 EA Flush Mounted, Mini Smoke Detector, Polyester Shell, Steel Wire Cover (STI-9604)	76.33	15.57
28 46 21 33-1798 EA Surface Mounted, Mini Smoke Detector, Polyester Shell, Steel Wire Cover (STI-9605)	70.73	15.57
28 46 21 33-1799 EA Flush Mounted, High Profile, Smoke Detector, Polyester Shell, Steel Wire Cover (STI-9609)	76.33	15.57
28 46 21 33-1800 EA Surface Mounted, High Profile, Smoke Detector, Polyester Shell, Steel Wire Cover (STI-9610).....	70.73	15.57
28 46 21 33-1801 EA Beam Smoke Detector, Polyester Shell, Steel Wire Cover (STI-9625).....	123.93	15.57
28 46 21 33-1802 EA White, Flush Mounted, Horn/Strobe/Speaker, Polyester Shell, Steel Wire Cover (STI-9705)	65.53	15.57
28 46 21 33-1803 EA Red, Flush Mounted, Horn/Strobe/Speaker, Polyester Shell, Steel Wire Cover (STI-9705-R)	65.53	15.57
28 46 21 33-1804 EA Flush Mounted, Beam Smoke Detector, Polyester Shell, Steel Wire Cover (STI-9706).....	96.73	15.57
28 46 21 33-1805 EA Surface Mounted, Beam Smoke Detector, Polyester Shell, Steel Wire Cover (STI-9707).....	96.73	15.57
28 46 21 33-1806 EA White, Surface Mounted, Horn/Strobe/Speaker, Polyester Shell, Steel Wire Cover (STI-9708).....	71.13	15.57
28 46 21 33-1807 EA Red, Surface Mounted, Horn/Strobe/Speaker, Polyester Shell, Steel Wire Cover (STI-9708-R).....	71.13	15.57
28 46 21 33-1808 EA White, Flush Mounted, Horn/Strobe/Speaker, Polyester Shell, Steel Wire Cover (STI-9711)	65.53	15.57
28 46 21 33-1809 EA Flush Mounted, Smoke Detector, Polyester Shell, Steel Wire Cover (STI-9713).....	70.73	15.57
28 46 21 33-1810 EA White, Surface Mounted, Horn/Strobe/Speaker, Polyester Shell, Steel Wire Cover (STI-9714).....	71.13	15.57
28 46 21 33-1811 EA Yellow, "High Threat", Push Button Station (STI SS-2201).....	70.57	7.78
28 46 21 33-1812 EA Gasket Kit For STI Covers (STI SUB-121).....	33.17	
28 46 21 33-1813 System Sensor Fire Alarm (28 46 21 33)		
28 46 21 33-1814 Smoke Detectors (28 46 21 33-1813)		
28 46 21 33-1815 EA Beam Detector Heater Kit (System Sensor BEAMHK)	42.38	5.19
28 46 21 33-1816 EA Reflectors, Beam Detector Heater Kit (System Sensor BEAMHKR).....	166.38	5.19
Note: Four used with long range kit.		
28 46 21 33-1817 EA Projected Beam Smoke Detector Long Range Kit (System Sensor BEAMLRK)	225.36	51.88
28 46 21 33-1818 EA Wall Or Ceiling Mounted, Projected Beam Smoke Detector Multi-Mount Kit (System Sensor BEAMMMK)	171.76	51.88
28 46 21 33-1819 EA Projected Beam Smoke Detector Surface Mounted Kit (System Sensor BEAMSMK).....	144.56	51.88
28 46 21 33-1820 EA Two Wire, Photoelectric Smoke Detector (System Sensor 2W-B).....	130.01	38.91
28 46 21 33-1821 EA Two Wire, Photoelectric Smoke Detector With Thermal Sensor (System Sensor 2WT-B).....	131.42	38.91
28 46 21 33-1822 EA Two Wire, Photoelectric Smoke Detector With Thermal Sensor And Built In Sounder (System Sensor 2WTA-B).....	135.63	38.91
28 46 21 33-1823 EA Four Wire, Photoelectric Smoke Detector (System Sensor 4W-B).....	131.81	38.91
28 46 21 33-1824 EA Four Wire, Photoelectric Smoke Detector With Thermal Sensor, 12/24 VDC (System Sensor 4WT-B).....	139.42	38.91
28 46 21 33-1825 EA Four Wire, Photoelectric Smoke Detector With Thermal Sensor And Built In Sounder (System Sensor 4WTA-B)	138.44	38.91
28 46 21 33-1826 EA Four Wire, Photoelectric Smoke Detector With Isolated Thermal Sensor, Built In Sounder, Form C Relay (System Sensor 4WITAR-B).....	164.22	38.91
28 46 21 33-1827 EA Photoelectric, Low-Profile, Smoke Detector Head (System Sensor 2151)	98.28	25.94
28 46 21 33-1828 EA Photoelectric With Thermal Sensor, Low-Profile, Smoke Detector Head (System Sensor 2151T).....	109.48	25.94
Note: Requires B100 series base.		
28 46 21 33-1829 EA Heavy Duty Multi-Mount Kit (System Sensor 6500-MMK)	192.34	12.97
28 46 21 33-1830 EA Surface-Mount Kit For Use With Beam1224 And FSB-200 When Using 6500-MMK Heavy Duty Multi-Mount Kit (System Sensor 6500-SMK).....	69.94	12.97
28 46 21 33-1831 Duct Smoke Detectors (28 46 21 33-1813)		
28 46 21 33-1832 EA Two Wire Conventional Photoelectric Duct Detector (Includes 2151 Detector) (System Sensor D2).....	256.42	38.91
28 46 21 33-1833 EA Four Wire Conventional Photoelectric Duct Detector (Includes 2D51 Detector) (System Sensor D4120).....	259.02	38.91

28 Electronic Safety And Security**28 40 Life Safety****28 46 Fire Detection And Alarm**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 21 33-1834 EA Watertight, Four Wire Conventional Photoelectric Duct Detector (Includes 2D51 Detector) (System Sensor D4120W)	330.80	44.10
28 46 21 33-1835 EA Sensor Only, Four Wire Conventional Photoelectric Duct Detector (System Sensor D4S)	168.68	25.94
28 46 21 33-1836 EA Duct Accessory Coil (Required On DNR If A Remote Test Station Is Used) (System Sensor DCOIL)	45.97	7.78
28 46 21 33-1837 EA Intelligent, Non-Relay, Duct Smoke Detector Housing (System Sensor DNR)	145.87	20.75
28 46 21 33-1838 EA Watertight, Intelligent, Non-Relay, Duct Smoke Detector Housing (System Sensor DNRW)	234.13	25.94
28 46 21 33-1839 EA 1' Steel Sampling Tube (System Sensor DST1)	29.55	10.38
28 46 21 33-1840 EA 1.5' Steel Sampling Tube (System Sensor DST1.5)	31.55	10.38
28 46 21 33-1841 EA 3' Steel Sampling Tube (System Sensor DST3)	35.55	10.38
28 46 21 33-1842 EA 5' Steel Sampling Tube (System Sensor DST5)	42.40	12.97
28 46 21 33-1843 EA 10' Steel Sampling Tube (System Sensor DST10)	64.53	15.57
28 46 21 33-1844 EA 1", Steel, Exhaust Tube Duct (System Sensor ETX)	32.35	10.38
28 46 21 33-1845 EA Remote Test Station For Duct Smoke Detector (System Sensor RTS151)	70.54	12.97
28 46 21 33-1846 EA Detector Installation/Removal Tool Kit For 700 Series Detectors (System Sensor XR2)	140.00	
28 46 21 33-1847 EA Detector Installation/Removal Tool Kit For 800 And 355 Series Detectors (System Sensor XR2B)	150.40	
28 46 21 33-1848 Heat Detectors <small>(28 46 21 33-1813)</small>		
28 46 21 33-1849 EA Single Circuit, 135 Degree F, Fixed And Rate-Of-Rise, Heat Detector (System Sensor 5601P)	94.68	38.91
28 46 21 33-1850 EA Single Circuit, 194 Degree F, Fixed And Rate-Of-Rise, Heat Detector (System Sensor 5602)	94.68	38.91
28 46 21 33-1851 EA Dual Circuit, 135 Degree F, Fixed And Rate-Of-Rise, Heat Detector (System Sensor 5621)	107.53	38.91
28 46 21 33-1852 EA Dual Circuit, 194 Degree F, Fixed And Rate-Of-Rise, Heat Detector (System Sensor 5622)	107.53	38.91
28 46 21 33-1853 Horns <small>(28 46 21 33-1813)</small>		
28 46 21 33-1854 EA Red, Mini Horn (System Sensor MHR)	99.82	38.91
28 46 21 33-1855 EA White, Mini Horn (System Sensor MHW)	99.82	38.91
28 46 21 33-1856 EA White, 12/24 VDC, Wall Mounted Horn Only (System Sensor HW)	111.02	38.91
28 46 21 33-1857 EA Red, Outdoor, Wall Mounted Replacement Horn (System Sensor HRK-R)	124.20	44.10
28 46 21 33-1858 EA Red, Interior, Wall Mounted, Horn (System Sensor HR)	111.14	38.91
28 46 21 33-1859 EA Red, Outdoor, Wall Mounted, Horn (System Sensor HRK)	130.01	38.91
28 46 21 33-1860 Wall Mounted Horns/Strobes <small>(28 46 21 33-1813)</small>		
28 46 21 33-1861 EA Red, Two Wire, 12/24 VDC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Horn/Strobe (System Sensor P2R)	138.62	38.91
28 46 21 33-1862 EA Red, Two Wire, 12/24 VDC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Wall Mounted Horn/Strobe (System Sensor P2RH)	143.42	38.91
28 46 21 33-1863 EA Outdoor Backbox, Red, Two Wire, 12/24 VDC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Wall Mounted Horn/Strobe (System Sensor P2RHK)	181.00	44.10
28 46 21 33-1864 EA Plain, Outdoor Backbox, Red, Two Wire, 12/24 VDC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Wall Mounted Horn/Strobe (System Sensor P2RHK-P)	181.00	44.10
28 46 21 33-1865 EA Low Frequency, Red, Two Wire, 12/24 VDC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Wall Mounted Horn/Strobe (System Sensor P2RH-LF)	186.62	38.91
28 46 21 33-1866 EA Outdoor Backbox, Red, 120 VAC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Wall Mounted Horn/Strobe (System Sensor P2RHK-120)	193.00	44.10
28 46 21 33-1867 EA Outdoor Backbox, Red, Two Wire, 12/24 VDC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Horn/Strobe (System Sensor P2RK)	171.80	44.10
28 46 21 33-1868 EA Plain, Outdoor Backbox, Red, Two Wire, 12/24 VDC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Horn/Strobe (System Sensor P2RK-P)	176.20	44.10
28 46 21 33-1869 EA Replacement, Outdoor, Red, , Two Wire, 12/24 VDC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Horn/Strobe (System Sensor P2RK-R)	153.82	38.91
28 46 21 33-1870 EA Plain, Red, Two Wire, 12/24 VDC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Horn/Strobe (System Sensor P2R-P)	138.62	38.91
28 46 21 33-1871 EA White, Two Wire, 12/24 VDC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Horn/Strobe (System Sensor P2W)	138.62	38.91
28 46 21 33-1872 EA White, Two Wire, 12/24 VDC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Wall Mounted Horn/Strobe (System Sensor P2WH)	144.22	38.91
28 46 21 33-1873 EA Low Frequency, White, Two Wire, 12/24 VDC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Wall Mounted Horn/Strobe (System Sensor P2WH-LF)	186.62	38.91
28 46 21 33-1874 EA Outdoor Backbox, White, Two Wire, 12/24 VDC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Wall Mounted Horn/Strobe (System Sensor P2WHK)	181.00	44.10
28 46 21 33-1875 EA Plain, Outdoor Backbox, White, Two Wire, 12/24 VDC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Wall Mounted Horn/Strobe (System Sensor P2WHK-P)	181.00	44.10
28 46 21 33-1876 EA Plain, White, Two Wire, 12/24 VDC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Wall Mounted Horn/Strobe (System Sensor P2WH-P)	143.42	38.91
28 46 21 33-1877 EA Outdoor Backbox, White, Two Wire, 12/24 VDC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Horn/Strobe (System Sensor P2WK)	176.20	44.10
28 46 21 33-1878 EA Plain, Outdoor Backbox, White, Two Wire, 12/24 VDC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Horn/Strobe (System Sensor P2WK-P)	176.20	44.10
28 46 21 33-1879 EA Plain, White, Two Wire, 12/24 VDC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Horn/Strobe (System Sensor P2W-P)	138.62	38.91
28 46 21 33-1880 EA Red, Four Wire, 12/24 VDC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Horn/Strobe (System Sensor P4R)	155.70	38.91
28 46 21 33-1881 EA Red, Four Wire, 12/24 VDC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Wall Mounted Horn/Strobe (System Sensor P4RH)	158.91	38.91
28 46 21 33-1882 EA Outdoor Backbox, Red, Four Wire, 12/24 VDC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Horn/Strobe (System Sensor P4RK)	182.94	44.10
28 46 21 33-1883 EA Replacement, Outdoor, Red, Four Wire, 12/24 VDC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Horn/Strobe (System Sensor P4RK-R)	173.00	44.10
28 46 21 33-1884 EA White, Four Wire, 12/24 VDC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Horn/Strobe (System Sensor P4W)	155.42	38.91



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	28 46 21 33-1885	EA		Outdoor Backbox, White, Four Wire, 12/24 VDC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Wall Mounted Horn/Strobe (System Sensor PC4WHK).....	177.80	44.10
	28 46 21 33-1886	EA		Outdoor Backbox, White, Four Wire, 12/24 VDC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Horn/Strobe (System Sensor P4WK).....	182.60	44.10
28 46 21 33-1887	Ceiling Mounted Horns/Strobes <small>(28 46 21 33-1813)</small>					
	28 46 21 33-1888	EA		Red, Two Wire, 12/24 VDC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Ceiling Mounted Horn/Strobe (System Sensor PC2R).....	138.62	38.91
	28 46 21 33-1889	EA		Red, Two Wire, 12/24 VDC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Ceiling Mounted Horn/Strobe (System Sensor PC2RH).....	145.02	38.91
	28 46 21 33-1890	EA		Outdoor Backbox, Red, Two Wire, 12/24 VDC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Ceiling Mounted Horn/Strobe (System Sensor PC2RHK).....	181.00	44.10
	28 46 21 33-1891	EA		Outdoor Backbox, Red, Two Wire, 12/24 VDC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Ceiling Mounted Horn/Strobe (System Sensor PC2RK).....	176.20	44.10
	28 46 21 33-1892	EA		Plain, Red, Two Wire, 12/24 VDC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Ceiling Mounted Horn/Strobe (System Sensor PC2R-P).....	139.42	38.91
	28 46 21 33-1893	EA		White, Two Wire, 12/24 VDC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Ceiling Mounted Horn/Strobe (System Sensor PC2W).....	138.62	38.91
	28 46 21 33-1894	EA		White, Two Wire, 12/24 VDC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Ceiling Mounted Horn/Strobe (System Sensor PC2WH).....	145.02	38.91
	28 46 21 33-1895	EA		Outdoor Backbox, White, Two Wire, 12/24 VDC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Ceiling Mounted Horn/Strobe (System Sensor PC2WHK).....	181.00	44.10
	28 46 21 33-1896	EA		Plain, White, Two Wire, 12/24 VDC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Ceiling Mounted Horn/Strobe (System Sensor PC2WH-P).....	145.02	38.91
	28 46 21 33-1897	EA		Outdoor Backbox, White, Two Wire, 12/24 VDC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Ceiling Mounted Horn/Strobe (System Sensor PC2WK).....	176.20	44.10
	28 46 21 33-1898	EA		Plain, White, Two Wire, 12/24 VDC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Ceiling Mounted Horn/Strobe (System Sensor PC2W-P).....	138.62	38.91
	28 46 21 33-1899	EA		Red, Ceiling Mounted, Four Wire, 12/24 VDC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Horn/Strobe (System Sensor PC4R).....	155.70	38.91
	28 46 21 33-1900	EA		Red, Ceiling Mounted, Four Wire, 12/24 VDC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Horn/Strobe (System Sensor PC4RH).....	158.91	38.91
	28 46 21 33-1901	EA		White, Four Wire, 12/24 VDC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Ceiling Mounted Horn/Strobe (System Sensor PC4W).....	155.42	38.91
28 46 21 33-1902	Wall Mounted Strobes <small>(28 46 21 33-1813)</small>					
	28 46 21 33-1903	EA		White Strobe Expander Plate Backbox Skirt (System Sensor SEP-BBSW).....	53.14	12.97
	28 46 21 33-1904	EA		White Strobe Expander Plate With Standard Candela (System Sensor SEP-SW).....	94.74	12.97
	28 46 21 33-1905	EA		Red, Selectable Candela (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Strobe (System Sensor SR).....	126.80	38.91
	28 46 21 33-1906	EA		Red, Selectable Candela (135, 150, 177, 185 Candela) High-Candela, Wall Mounted Strobe (System Sensor SRH).....	138.04	38.91
	28 46 21 33-1907	EA		Red, Outdoor, Selectable Candela (135, 150, 177, 185 Candela) High-Candela, Wall Mounted Strobe (System Sensor SRHK).....	166.08	44.10
	28 46 21 33-1908	EA		Red, Outdoor, Selectable Candela (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Strobe (System Sensor SRK).....	164.47	44.10
	28 46 21 33-1909	EA		Red, Plain, Outdoor, Selectable Candela (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Strobe (System Sensor SRK-P).....	164.20	44.10
	28 46 21 33-1910	EA		Replacement Unit, Red, Outdoor, Selectable Candela (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Strobe (System Sensor SRK-R).....	146.60	44.10
	28 46 21 33-1911	EA		Red, Plain, Selectable Candela (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Strobe (System Sensor SR-P).....	126.62	38.91
	28 46 21 33-1912	EA		White, 12/24 VDC, Selectable (15, 15 /75, 30, 75 , 110, 115 Candela) Multi-Candela, Wall Mounted Strobe (System Sensor SW).....	126.62	38.91
	28 46 21 33-1913	EA		White, Amber Lens, 12/24 VDC, Selectable (15, 15 /75, 30, 75 , 110, 115 Candela) Multi-Candela, Wall Mounted Strobe (System Sensor SW-ALERT).....	135.42	38.91
	28 46 21 33-1914	EA		White, Clear Lens, 12/24 VDC, Selectable (15, 15 /75, 30, 75 , 110, 115 Candela) Multi-Candela, Wall Mounted Strobe (System Sensor SW-CLR-ALERT).....	133.02	38.91
	28 46 21 33-1915	EA		White, High-Candela, Selectable Candela (135, 150, 177, 185 Candela), Wall Mounted Strobe (System Sensor SWH).....	137.82	38.91
	28 46 21 33-1916	EA		White, Amber Lens, High-Candela, Selectable Candela (135, 150, 177, 185 Candela), Wall Mounted Strobe (System Sensor SWH-ALERT).....	137.02	38.91
	28 46 21 33-1917	EA		White, Plain, High-Candela, Selectable Candela (135, 150, 177, 185 Candela), Wall Mounted Strobe (System Sensor SWH-P).....	137.02	38.91
	28 46 21 33-1918	EA		Red, Plain, Outdoor, Selectable Candela (135, 150, 177, 185 Candela) High-Candela, Wall Mounted Strobe (System Sensor SRHK-P).....	165.80	44.10
	28 46 21 33-1919	EA		White, Outdoor, High-Candela, Selectable Candela (135, 150, 177, 185 Candela), Wall Mounted Strobe (System Sensor SWHK).....	165.80	44.10
	28 46 21 33-1920	EA		White, Plain, Outdoor, High-Candela, Selectable Candela (135, 150, 177, 185 Candela), Wall Mounted Strobe (System Sensor SWHK-P).....	165.80	44.10
	28 46 21 33-1921	EA		Replacement Unit, Red, Outdoor, Selectable Candela (135, 150, 177, 185 Candela) High-Candela, Wall Mounted Strobe (System Sensor SRHK-R).....	149.80	44.10
	28 46 21 33-1922	EA		White, Outdoor, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Wall Mounted Strobe (System Sensor SWK).....	164.20	44.10
	28 46 21 33-1923	EA		White, Plain, Outdoor, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Wall Mounted Strobe (System Sensor SWK-P).....	164.20	44.10
	28 46 21 33-1924	EA		White, Plain, 12/24 VDC, Selectable (15, 15 /75, 30, 75 , 110, 115 Candela) Multi-Candela, Wall Mounted Strobe (System Sensor SW-P).....	125.82	38.91
	28 46 21 33-1925	EA		Amber, Wall Strobe Lens Attachment (System Sensor LENS-A).....	19.18	5.19
	28 46 21 33-1926	EA		Blue, Wall Strobe Lens Attachment (System Sensor LENS-B).....	19.18	5.19
	28 46 21 33-1927	EA		Green, Wall Strobe Lens Attachment (System Sensor LENS-G).....	19.18	5.19
	28 46 21 33-1928	EA		Red, Wall Strobe Lens Attachment (System Sensor LENS-R).....	19.18	5.19

28 Electronic Safety And Security**28 40 Life Safety****28 46 Fire Detection And Alarm**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 21	33-1929		Ceiling Mounted Strobes <small>(28 46 21 33-1813)</small>		
28 46 21	33-1930	EA	Red, Two Wire, 12/24 VDC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Ceiling Mounted Strobe (System Sensor SCR).....	126.80	38.91
28 46 21	33-1931	EA	Red, Two Wire, 12/24 VDC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Ceiling Mounted Strobe (System Sensor SCRH).....	139.64	38.91
28 46 21	33-1932	EA	Outdoor Backbox, Red, Two Wire, 12/24 VDC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Ceiling Mounted Strobe (System Sensor SCRHK).....	166.08	44.10
28 46 21	33-1933	EA	Outdoor Backbox, Red, Two Wire, 12/24 VDC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Ceiling Mounted Strobe (System Sensor SCRK).....	166.08	44.10
28 46 21	33-1934	EA	White, Two Wire, 12/24 VDC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Ceiling Mounted Strobe (System Sensor SCW).....	126.62	38.91
28 46 21	33-1935	EA	Clear Lens, White, Two Wire, 12/24 VDC, Standard Candela, Ceiling Mounted Strobe (System Sensor SCW-CLR-ALERT).....	133.02	38.91
28 46 21	33-1936	EA	White, Two Wire, 12/24 VDC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Ceiling Mounted Strobe (System Sensor SCWH).....	139.42	38.91
28 46 21	33-1937	EA	Outdoor Backbox, White, Two Wire, 12/24 VDC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Ceiling Mounted Strobe (System Sensor SCWHK).....	165.80	44.10
28 46 21	33-1938	EA	Outdoor Backbox, White, Two Wire, 12/24 VDC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Ceiling Mounted Strobe (System Sensor SCWK).....	164.20	44.10
28 46 21	33-1939	EA	Plain, White, Two Wire, 12/24 VDC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Ceiling Mounted Strobe (System Sensor SCW-P).....	127.42	38.91
28 46 21	33-1940	EA	Blue, Ceiling Strobe Lens Attachment (System Sensor LENS-BC).....	19.18	5.19
28 46 21	33-1941	EA	Red, Ceiling Strobe Lens Attachment (System Sensor LENS-RC).....	19.18	5.19
28 46 21	33-1942	EA	Green, Ceiling Strobe Lens Attachment (System Sensor LENS-GC).....	19.18	5.19
28 46 21	33-1943	EA	Amber, Ceiling Strobe Lens Attachment (System Sensor LENS-AC).....	19.18	5.19
28 46 21	33-1944		Wall Mounted Speakers <small>(28 46 21 33-1813)</small>		
28 46 21	33-1945	EA	24 VDC, 4 Field Selectable Sound Pulse Patterns, Directional Sound Speaker With Voice And Integral Audio Amplifier (System Sensor PF24V).....	277.02	38.91
28 46 21	33-1946	EA	Red, Wall Mounted Speaker (System Sensor SPR).....	109.13	38.91
28 46 21	33-1947	EA	Red, Outdoor, Wall Mounted Speaker (System Sensor SPRK).....	150.22	38.91
28 46 21	33-1948	EA	Replacement Unit, Red, Outdoor, Wall Mounted Speaker (System Sensor SPRK-R).....	135.80	44.10
28 46 21	33-1949	EA	Red, High dB, Wall Mounted Speaker (System Sensor SPRV).....	117.96	38.91
28 46 21	33-1950	EA	White, Wall Mounted Speaker (System Sensor SPW).....	109.02	38.91
28 46 21	33-1951	EA	White, Outdoor, Wall Mounted Speaker (System Sensor SPWK).....	160.60	44.10
28 46 21	33-1952	EA	White, High dB, Wall Mounted Speaker (System Sensor SPWV).....	117.82	38.91
28 46 21	33-1953		Ceiling Mounted Speakers <small>(28 46 21 33-1813)</small>		
28 46 21	33-1954	EA	Red, Ceiling Mounted Speaker (System Sensor SPCR).....	109.13	38.91
28 46 21	33-1955	EA	Outdoor, Ceiling Mounted Speaker (System Sensor SPCRK).....	150.48	38.91
28 46 21	33-1956	EA	Red, High dB, Ceiling Mounted Speaker (System Sensor SPCRV).....	117.96	38.91
28 46 21	33-1957	EA	White, Ceiling Mounted Speaker (System Sensor SPCW).....	109.02	38.91
28 46 21	33-1958	EA	White, High dB, Ceiling Mounted Speaker (System Sensor SPCWV).....	117.82	38.91
28 46 21	33-1959	EA	White, Outdoor, Ceiling Mounted Speaker (System Sensor SPCWK).....	160.60	44.10
28 46 21	33-1960		Wall Mounted Speakers/Strobes <small>(28 46 21 33-1813)</small>		
28 46 21	33-1961	EA	White Speaker Strobe Expander Plate With Standard Candela (System Sensor SEP-SPSW).....	101.94	12.97
28 46 21	33-1962	EA	White Speaker Strobe Expander Plate Backbox Skirt (System Sensor SPSEP-BBSW).....	53.14	12.97
28 46 21	33-1963	EA	Red, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Wall Mounted Speaker/Strobe (System Sensor SPSR).....	159.71	38.91
28 46 21	33-1964	EA	Red, High-Candela, Selectable Candela (135, 150, 177, 185 Candela), Wall Mounted Speaker/Strobe (System Sensor SPSRH).....	168.55	38.91
28 46 21	33-1965	EA	Red, Outdoor, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Wall Mounted Speaker/Strobe (System Sensor SPSRK).....	219.87	44.10
28 46 21	33-1966	EA	Red, Plain, Outdoor, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Wall Mounted Speaker/Strobe (System Sensor SPSRK-P).....	219.40	44.10
28 46 21	33-1967	EA	Replacement Unit, Red, Outdoor, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Wall Mounted Speaker/Strobe (System Sensor SPSRK-R).....	190.60	44.10
28 46 21	33-1968	EA	Red, Plain, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Wall Mounted Speaker/Strobe (System Sensor SPSR-P).....	159.42	38.91
28 46 21	33-1969	EA	Red, High dB, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Wall Mounted Speaker/Strobe (System Sensor SPSRV).....	163.73	38.91
28 46 21	33-1970	EA	White, Amber Lens, Wall Mounted, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Wall Mounted Speaker/Strobe (System Sensor SPSW-ALERT).....	177.02	38.91
28 46 21	33-1971	EA	White, Clear Lens, Outdoor, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Wall Mounted Speaker/Strobe (System Sensor SPSWK-CLR-ALERT).....	222.60	44.10
28 46 21	33-1972	EA	White, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Wall Mounted Speaker/Strobe (System Sensor SPSW).....	159.42	38.91
28 46 21	33-1973	EA	White, High-Candela, Selectable Candela (135, 150, 177, 185 Candela), Wall Mounted Speaker/Strobe (System Sensor SPSWH).....	168.22	38.91
28 46 21	33-1974	EA	White, Plain, High-Candela, Selectable Candela (135, 150, 177, 185 Candela), Wall Mounted Speaker/Strobe (System Sensor SPSWH-P).....	168.22	38.91
28 46 21	33-1975	EA	White, Outdoor, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Wall Mounted Speaker/Strobe (System Sensor SPSWK).....	219.40	44.10
28 46 21	33-1976	EA	White, Plain, Outdoor, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Wall Mounted Speaker/Strobe (System Sensor SPSWK-P).....	219.40	44.10



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 21 33-1977	EA			White, Plain, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Wall Mounted Speaker/Strobe (System Sensor SPSW-P).....	159.42	38.91
28 46 21 33-1978	EA			White, High dB, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Wall Mounted Speaker/Strobe (System Sensor SPSWV).....	163.42	38.91
28 46 21 33-1979	EA			White, Plain, High dB, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Wall Mounted Speaker/Strobe (System Sensor SPSWV-P).....	163.42	38.91
28 46 21 33-1980 Ceiling Mounted Speakers/Strobes (28 46 21 33-1813)						
28 46 21 33-1981	EA			Red, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Ceiling Mounted Speaker/Strobe (System Sensor SPSCR).....	159.71	38.91
28 46 21 33-1982	EA			Red, Selectable Candela (135, 150, 177, 185) Candela, High-Candela, Ceiling Mounted Speaker/Strobe (System Sensor SPSCRH).....	170.15	38.91
28 46 21 33-1983	EA			Red, High dB, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115), Ceiling Mounted Speaker/Strobe (System Sensor SPSCRV).....	163.73	38.91
28 46 21 33-1984	EA			White, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Ceiling Mounted Speaker/Strobe (System Sensor SPSCW).....	159.42	38.91
28 46 21 33-1985	EA			White, Clear Lens, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Ceiling Mounted Speaker/Strobe (System Sensor SPSCW-CLR-ALERT).....	169.82	38.91
28 46 21 33-1986	EA			White, High-Candela, Selectable Candela (135, 150, 177, 185 Candela), Ceiling Mounted Speaker/Strobe (System Sensor SPSCWH).....	168.22	38.91
28 46 21 33-1987	EA			White, Outdoor, High-Candela, Selectable Candela (135, 150, 177, 185 Candela), Ceiling Mounted Speaker/Strobe (System Sensor SPSCWHK).....	221.80	44.10
28 46 21 33-1988	EA			White, Plain, High-Candela, Selectable Candela (135, 150, 177, 185 Candela), Ceiling Mounted Speaker/Strobe (System Sensor SPSCWH-P).....	168.22	38.91
28 46 21 33-1989	EA			White, Outdoor, Clear Lens, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Ceiling Mounted Speaker/Strobe (System Sensor SPSCWK-CLR-ALERT).....	222.60	44.10
28 46 21 33-1990	EA			White, Outdoor, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Ceiling Mounted Speaker/Strobe (System Sensor SPSCWK).....	219.40	44.10
28 46 21 33-1991	EA			White, Plain, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Ceiling Mounted Speaker/Strobe (System Sensor SPSCW-P).....	159.42	38.91
28 46 21 33-1992	EA			White, High dB, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Ceiling Mounted Speaker/Strobe (System Sensor SPSCWV).....	163.42	38.91
28 46 21 33-1993	EA			White, High-Candela/High dB, Selectable Candela (135, 150, 177, 185 Candela), Ceiling Mounted Speaker/Strobe (System Sensor SPSCWVH).....	168.22	38.91
28 46 21 33-1994	EA			White, Plain, High dB, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Ceiling Mounted Speaker/Strobe (System Sensor SPSCWV-P).....	163.42	38.91
28 46 21 33-1995	EA			High-Candela/High dB, Ceiling Mounted Speaker/Strobe (System Sensor SPSCRVH).....	169.08	38.91
28 46 21 33-1996 Electric Alarm Bells (28 46 21 33-1813)						
28 46 21 33-1997	EA			6" Alarm Bell (System Sensor SSM24-6).....	126.62	38.91
28 46 21 33-1998	EA			8" Alarm Bell (System Sensor SSM24-8).....	135.42	38.91
28 46 21 33-1999	EA			10" Alarm Bell (System Sensor SSM24-10).....	156.69	38.91
28 46 21 33-2000 Device Bases (28 46 21 33-1813)						
28 46 21 33-2001	EA			High Or Low Volume Output, Code 3 Or 4, Continuous, March Or Custom Tone, Intelligent, Addressable, Programmable Plug-In Sounder Base (System Sensor B200S).....	87.54	12.97
28 46 21 33-2002	EA			Code 3 Or Continuous Tone, Intelligent Plug-In Sounder Base (System Sensor B200SR).....	85.54	12.97
28 46 21 33-2003	EA			Intelligent Isolator Base (System Sensor B224BI).....	71.74	12.97
28 46 21 33-2004	EA			Intelligent Relay Base (System Sensor B224RB).....	72.74	12.97
28 46 21 33-2005	EA			Flangeless, Intelligent Detector Base (System Sensor B501).....	44.14	12.97
28 46 21 33-2006 Boxes, Plates And Decals (28 46 21 33-1813)						
28 46 21 33-2007	EA			Two Wire, Flanged, 12/24 VDC, Low-Profile, Adapter Base (System Sensor B110LP).....	39.14	12.97
28 46 21 33-2008	EA			Four Wire, Form A And C, 24 VDC Low-Profile, Adapter Base (System Sensor B112LP).....	69.93	15.57
28 46 21 33-2009	EA			Conventional Flanged Mounting Base (System Sensor B210LP).....	37.94	12.97
28 46 21 33-2010	EA			120 VAC, Mounting Plate, For Spectralert Advance Devices (System Sensor MP120K).....	66.74	12.97
28 46 21 33-2011	EA			Red, Wall Mounted, Metal, Weatherproof Backbox (System Sensor MWBB).....	59.54	12.97
28 46 21 33-2012	EA			White, Ceiling Mounted, Metal, Weatherproof Backbox (System Sensor MWBBCW).....	65.14	12.97
28 46 21 33-2013	EA			White, Wall Mounted, Metal, Weatherproof Backbox (System Sensor MWBBW).....	59.54	12.97
28 46 21 33-2014	EA			Red Retrofit Plate (System Sensor RFP).....	29.65	7.78
28 46 21 33-2015	EA			White Retrofit Plate (System Sensor RFPW).....	29.65	7.78
28 46 21 33-2016	EA			Red, Wall Mounted, Weatherproof Backbox (System Sensor SA-WBB).....	51.54	12.97
28 46 21 33-2017	EA			Red, Ceiling Mounted, Weatherproof Backbox (System Sensor SA-WBBC).....	52.74	12.97
28 46 21 33-2018	EA			Red, Ceiling Mounted, Surface Mounted, Backbox (System Sensor SBBCR).....	44.74	12.97
28 46 21 33-2019	EA			White, Ceiling Mounted, Surface Mounted, Backbox (System Sensor SBBCW).....	44.74	12.97
28 46 21 33-2020	EA			Red, Wall Mounted, Surface Mounted, Backbox (System Sensor SBBR).....	39.14	12.97
28 46 21 33-2021	EA			Red, Wall Mounted, Surface Mounted, Backbox For Speaker (System Sensor SBBSPR).....	43.14	12.97
28 46 21 33-2022	EA			White, Wall Mounted, Surface Mounted, Backbox For Speaker (System Sensor SBBSPW).....	43.14	12.97
28 46 21 33-2023	EA			White, Wall Mounted, Surface Mounted, Backbox (System Sensor SBBW).....	39.14	12.97
28 46 21 33-2024	EA			Surface Mounted Box For Intelligent Control Or Monitor Modules (System Sensor SMB500).....	38.74	12.97
28 46 21 33-2025	EA			Surface Mounted Box For 400 And 500 Series Detectors And Sounder Bases (System Sensor SMB600).....	38.74	12.97
28 46 21 33-2026	EA			Red, Wall Mounted, Trim Ring (System Sensor TR).....	16.22	5.19
28 46 21 33-2027	EA			Red, Ceiling Mounted, Trim Ring (System Sensor TRC).....	16.22	5.19
28 46 21 33-2028	EA			White, Ceiling Mounted, Trim Ring (System Sensor TRCW).....	16.22	5.19
28 46 21 33-2029	EA			Red, Wall Mounted Horn/Strobe Trim Ring (System Sensor TR-HS).....	14.34	5.19
28 46 21 33-2030	EA			White, Wall Mounted, Trim Ring (System Sensor TRW).....	16.22	5.19
28 46 21 33-2031	EA			Red Decals, Two Pack, Spectralert Advance Wall Products (System Sensor DECAL-R).....	20.14	
28 46 21 33-2032	EA			Red Decals, Three Pack, Spectralert Advance Ceiling Products (System Sensor DECAL-RC).....	27.69	

28 Electronic Safety And Security**28 40 Life Safety****28 46 Fire Detection And Alarm**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 21 33-2033 EA White Decals, Two Pack, Spectralert Advance Wall Products (System Sensor DECAL-W).....	20.14	
28 46 21 33-2034 EA White Decals, Three Pack, Spectralert Advance Wall Products (System Sensor DECAL-WC).....	27.69	
28 46 21 33-2035 Chimes <small>(28 46 21 33-1813)</small>		
28 46 21 33-2036 EA Red, 12/24 VDC, Ceiling Or Wall Mounted Chime (System Sensor CHR)	113.82	38.91
28 46 21 33-2037 EA White, 12/24 VDC, Ceiling Or Wall Mounted Chime (System Sensor CHW)	113.82	38.91
28 46 21 33-2038 Chime/Strobes <small>(28 46 21 33-1813)</small>		
28 46 21 33-2039 EA Red, 15, 15/75, 30, 75, 110 Multi-Candela, 24 VDC, Ceiling Or Wall Mounted Chime/Strobe (System Sensor CHSR)	189.02	38.91
28 46 21 33-2040 EA White, 15, 15/75, 30, 75, 110 Multi-Candela, 24 VDC, Ceiling Or Wall Mounted Chime/Strobe (System Sensor CHSW)	189.02	38.91
28 46 21 33-2041 Carbon Monoxide Detectors <small>(28 46 21 33-1813)</small>		
28 46 21 33-2042 EA Conventional Carbon Monoxide Detector (System Sensor CO1224)	205.32	51.88
28 46 21 33-2043 EA Round, Sounder And Trouble Relay With Test Function, 12/24 VDC, Conventional Carbon Monoxide Detector (System Sensor CO1224TR)	179.02	38.91
28 46 21 33-2044 EA CO Detector Plate For Replacing Round CO Detectors With The CO1224T (System Sensor CO-PLATE)	13.58	5.19
28 46 21 33-2045 Switches <small>(28 46 21 33-1813)</small>		
28 46 21 33-2046 EA SPDT Switch, 4 - 20 PSI, Waterflow Alarm Pressure Switch (System Sensor EPS10-1)	146.30	20.75
28 46 21 33-2047 EA Two SPDT Switches, 4 - 20 PSI, Waterflow Alarm Pressure Switch (System Sensor EPS10-2).....	162.30	20.75
28 46 21 33-2048 EA SPDT Switch, 10 - 100 PSI, Waterflow Alarm Pressure Switch (System Sensor EPS40-1).....	146.30	20.75
28 46 21 33-2049 EA Two SPDT Switches, 10 - 100 PSI, Waterflow Alarm Pressure Switch (System Sensor EPS40-2)	162.30	20.75
28 46 21 33-2050 EA Outside Screw And Yoke Valve, Two SPDT, Supervisory Switch (System Sensor OSY2)	149.50	20.75
28 46 21 33-2051 EA Post Indicator Butterfly Valve, SPDT, Supervisory Switch (System Sensor PIBV2)	141.50	20.75
28 46 21 33-2052 Low Frequency Sounders <small>(28 46 21 33-1813)</small>		
28 46 21 33-2053 EA Red, Low Frequency Sounder (System Sensor HR-LF)	140.22	38.91
28 46 21 33-2054 EA White, Low Frequency Sounder (System Sensor HW-LF).....	140.22	38.91
28 46 21 33-2055 Sync Modules <small>(28 46 21 33-1813)</small>		
28 46 21 33-2056 EA Red, 12/24 VDC, Sync Module (System Sensor MDL3R)	119.88	25.94
28 46 21 33-2057 EA White, 12/24 VDC, Sync Module (System Sensor MDL3W)	119.88	25.94
28 46 21 33-2058 Relays <small>(28 46 21 33-1813)</small>		
28 46 21 33-2059 EA Metal Enclosure, SPDT, Track Mounted, Multivoltage, Relay (System Sensor R-10E)	70.86	20.75
28 46 21 33-2060 EA SPDT, Track Mounted, Multivoltage, Relay (System Sensor R-10T).....	45.46	12.97
28 46 21 33-2061 EA 4-Gang Relay, Metal Enclosure, SPDT, Track Mounted, Multivoltage, Relay (System Sensor R-14E)	120.34	12.97
28 46 21 33-2062 EA 4-Gang Relay, SPDT, Track Mounted, Multivoltage, Relay (System Sensor R-14T).....	90.14	12.97
28 46 21 33-2063 EA Metal Enclosure, DPDT, Track Mounted, Multivoltage, Relay (System Sensor R-20E)	75.42	20.75
28 46 21 33-2064 EA DPDT, Track Mounted, Multivoltage, Relay (System Sensor R-20T).....	46.74	12.97
28 46 21 33-2065 EA 4-Gang Relay, Metal Enclosure, DPDT, Track Mounted, Multivoltage, Relay (System Sensor R-24E).....	134.74	12.97
28 46 21 33-2066 EA 4-Gang Relay, DPDT, Track Mounted, Multivoltage, Relay (System Sensor R-24T).....	101.94	12.97
28 46 21 33-2067 EA 18 To 35 VDC, 18 To 35 VAC, 120 VAC, SPDT Multivoltage Relay (System Sensor PR-1)	40.34	12.97
28 46 21 33-2068 EA 10 To 40 VDC, SPDT Multivoltage Relay (System Sensor PR-2).....	40.34	12.97
28 46 21 33-2069 EA Redundant Power Input, 10 To 40 VDC, SPDT Multivoltage Relay (System Sensor PR-3)	40.34	12.97
28 46 21 33-2070 Wheelock Fire Alarm <small>(28 46 21 33)</small>		
28 46 21 33-2071 Ceiling Mounted Chimes/Strobes <small>(28 46 21 33-2070)</small>		
28 46 21 33-2072 EA White, Round, Selectable Candela (15, 30, 75, 100 Candela), 24 VDC, Ceiling Mounted Chime/Strobe (Wheelock CH90-24MCC-FW)	217.02	38.91
28 46 21 33-2073 Wall Mounted Chimes/Strobes <small>(28 46 21 33-2070)</small>		
28 46 21 33-2074 EA Red, Selectable Candela (15, 30, 75, 110 Candela), 24 VDC, Wall Mounted Chime/Strobe (Wheelock CH70-24MCW-FR)	217.02	38.91
28 46 21 33-2075 EA White, Selectable Candela (15, 30, 75, 110 Candela), 24 VDC, Wall Mounted Chime/Strobe (Wheelock CH70-24MCW-FW).....	217.02	38.91
28 46 21 33-2076 Ceiling Mounted Horns/Strobes <small>(28 46 21 33-2070)</small>		
28 46 21 33-2077 EA Red, Two Wire, 12/24 VDC, Multi-Candela, Ceiling Mounted Horn/Strobe (Wheelock HSRC)	142.62	38.91
28 46 21 33-2078 EA White, Two Wire, 12/24 VDC, Multi-Candela, Ceiling Mounted Horn/Strobe (Wheelock HSWC)	142.62	38.91
28 46 21 33-2079 Wall Mounted Horns/Strobes <small>(28 46 21 33-2070)</small>		
28 46 21 33-2080 EA Red, Weatherproof, 24 VDC, 75 Candela, Wall Mounted, Horn/Strobe (Wheelock ASWP-2475W-FR).....	151.42	38.91
28 46 21 33-2081 EA Red, 24 VDC, 15/75 Candela, Continuous Or Code 3 Tone, Wall Mounted Horn/Strobe (Wheelock HS4-241575 Watt-FR)	169.02	38.91



	MINOR CSI UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	28 46 21 33-2082	EA Red, 24 VDC, Selectable Candela (15,,30, 75, 110 Candela), Wall Mounted Horn/Strobe (Wheelock HS4-24MCW-FR)	158.62	38.91
	28 46 21 33-2083	EA White, 24 VDC, Selectable Candela (15,,30, 75, 110 Candela), Wall Mounted Horn/Strobe (Wheelock HS4-24MCW-FW).....	158.62	38.91
	28 46 21 33-2084	EA Red, Flush, 24 VAC, 15/75 Candela, Sync/Non-Sync, Wall Mounted Horn/Strobe (Wheelock MT-241575 Watt-FR)	161.82	38.91
	28 46 21 33-2085	EA Red, 24 VAC, Multi-Candela, Wall Mounted Horn/Strobe (Wheelock MT-24MCW-FR)	155.82	38.91
	28 46 21 33-2086	EA Red, 115 VAC, Wall Mounted Horn/Strobe (Wheelock MT4-115-WH-VFR)	155.42	38.91
	28 46 21 33-2087	EA Red, Weatherproof, 24 VDC, 75 Candela, Wall Mounted Horn/Strobe (Wheelock MTWP-2475W-FR)	175.40	44.10
	28 46 21 33-2088	EA Red, Two Wire, 12/24 VDC, Multi-Candela, Wall Mounted Horn/Strobe (Wheelock HSR).....	143.02	38.91
	28 46 21 33-2089	EA White, Two Wire, 12/24 VDC, Multi-Candela, Wall Mounted Horn/Strobe (Wheelock HSW)	143.02	38.91
28 46 21 33-2090		Ceiling Mounted Strobes <small>(28 46 21 33-2070)</small>		
	28 46 21 33-2091	EA Red, 24 VDC, Multi-Candela (15, 30, 75, 95 Candela), Ceiling Mounted Strobe (Wheelock RSS-24MCC-FR)	129.42	38.91
	28 46 21 33-2092	EA White, 24 VDC, Multi-Candela (15, 30, 75, 95 Candela), Ceiling Mounted Strobe (Wheelock RSS-24MCC-FW).....	129.42	38.91
	28 46 21 33-2093	EA Red, Two Wire, 12/24 VDC, Multi-Candela, Ceiling Mounted Strobe (Wheelock STRC)	131.42	38.91
	28 46 21 33-2094	EA White, Two Wire, 12/24 VDC, Multi-Candela, Ceiling Mounted Strobe (Wheelock STWC).....	131.42	38.91
28 46 21 33-2095		Wall Mounted Strobes <small>(28 46 21 33-2070)</small>		
	28 46 21 33-2096	EA Red, Multi-Candela, 24 VDC, Wall Mounted Strobe (Wheelock AMT-24MCW-FR).....	189.82	38.91
	28 46 21 33-2097	EA Red, Retrofit Plate, 12 VDC, 15/75 Candela, Wall Mounted Strobe (Wheelock RSSP-121575W-FR)	157.82	38.91
	28 46 21 33-2098	EA Red, 24 VDC, 15/75 Candela, Wall Mounted Strobe (Wheelock RSS-241575W-FR)	141.02	38.91
	28 46 21 33-2099	EA Red, 24 VDC, Multi-Candela (15, 30, 75, 95 Candela), Wall Mounted Strobe (Wheelock RSS-24MCW-FR)	133.02	38.91
	28 46 21 33-2100	EA White, 24 VDC, Multi-Candela (15, 30, 75, 95 Candela), Wall Mounted Strobe (Wheelock RSS-24MCW-FW).....	133.02	38.91
	28 46 21 33-2101	EA Red, Retrofit Plate, 24 VDC, Multi-Candela (15, 30, 75, 95 Candela), Wall Mounted Strobe (Wheelock RSSP-24MCW-FR).....	144.62	38.91
	28 46 21 33-2102	EA Outdoor, Red, 24 VDC, 75 Candela, Wall Mounted Strobe (Wheelock RSSWP-2475W-FR)	150.60	44.10
		Note: Requires WPSBB-R.		
	28 46 21 33-2103	EA Red, Two Wire, 12/24 VDC, Multi-Candela, Wall Mounted Strobe (Wheelock STR)	131.42	38.91
	28 46 21 33-2104	EA White, Two Wire, 12/24 VDC, Multi-Candela, Wall Mounted Strobe (Wheelock STW).....	131.42	38.91
28 46 21 33-2105		Ceiling Mounted Speakers/Strobes <small>(28 46 21 33-2070)</small>		
	28 46 21 33-2106	EA Red, 24 VDC, Selectable Candela (15, 30, 75, 110 Candela), Ceiling Mounted Speaker/Strobe (Wheelock E60-24MCC-FR)	167.42	38.91
	28 46 21 33-2107	EA White, 24 VDC, Selectable Candela (15, 30, 75, 110 Candela), Ceiling Mounted Speaker/Strobe (Wheelock E60-24MCC-FW)	167.42	38.91
	28 46 21 33-2108	EA White, 24 VDC, Selectable Candela (15, 30, 75, 110 Candela), Ceiling Mounted Speaker/Strobe (Wheelock E70-24MCC-FW)	165.82	38.91
	28 46 21 33-2109	EA White, 24 VDC, Multi-Candela (15, 30, 75, 110 Candela), Ceiling Mounted Speaker/Strobe (Wheelock E90-24MCC-FW)	167.42	38.91
	28 46 21 33-2110	EA White, 24 VDC, Multi-Candela 115/177, Ceiling Mounted Speaker/Strobe (Wheelock E90-24MCCH-FW)	177.42	38.91
	28 46 21 33-2111	EA White, 24 VDC, Multi-Candela (15, 30, 75, 95 Candela), Ceiling Mounted Speaker/Strobe (Wheelock ET90-24MCC-FW)	181.02	38.91
28 46 21 33-2112		Wall Mounted Speakers/Strobes <small>(28 46 21 33-2070)</small>		
	28 46 21 33-2113	EA Red, Square, 24 VDC, 15/75 Candela, 25/70.7 VRMS, Wall Mounted Speaker/Strobe (Wheelock E50-241575 Watt-FR).....	182.62	38.91
	28 46 21 33-2114	EA White, Square, 24 VDC, 15/75 Candela, 25/70.7 VRMS, Wall Mounted Speaker/Strobe (Wheelock E50-241575 Watt-FW)	182.62	38.91
	28 46 21 33-2115	EA Red, 24 VDC, Multi-Candela 115/177, Wall Mounted Speaker/Strobe (Wheelock E60-24MCCH-FR).....	177.42	38.91
	28 46 21 33-2116	EA White, 24 VDC, Multi-Candela 115/177, Wall Mounted Speaker/Strobe (Wheelock E60-24MCCH-FW)	177.42	38.91
	28 46 21 33-2117	EA Red, Square, 24 VDC, Selectable Candela 15/30/75/110, Wall Mounted Speaker/Strobe (Wheelock E50-24MCW-FR)	167.42	38.91
	28 46 21 33-2118	EA White, Square, 24 VDC, Selectable Candela 15/30/75/110, Wall Mounted Speaker/Strobe (Wheelock E50-24MCW-FW).....	164.22	38.91
	28 46 21 33-2119	EA Red, 24 VDC, Multi-Candela 135/185, Wall Mounted Speaker/Strobe (Wheelock E50-24MCWH-FR)	177.42	38.91
	28 46 21 33-2120	EA White, 24 VDC, Multi-Candela 135/185, Wall Mounted Speaker/Strobe (Wheelock E50-24MCWH-FW).....	177.42	38.91
	28 46 21 33-2121	EA Red, Square, 24 VDC, 15/75 Candela, 25/70.7 VRMS, Wall Mounted Speaker/Strobe (Wheelock E70-241575 Watt-FR).....	181.02	38.91
	28 46 21 33-2122	EA Red, Square, 24 VDC, Selectable Candela 15/30/75/110, Wall Mounted Speaker/Strobe (Wheelock E70-24MCW-FR)	167.42	38.91
	28 46 21 33-2123	EA White, Square, 24 VDC, Selectable Candela 15/30/75/110, Wall Mounted Speaker/Strobe (Wheelock E70-24MCW-FW).....	164.22	38.91
	28 46 21 33-2124	EA Red, 24 VDC, Multi-Candela 135/185, Wall Mounted Speaker/Strobe (Wheelock E70-24MCWH-FR)	177.42	38.91
	28 46 21 33-2125	EA White, 24 VDC, Multi-Candela 135/185, Wall Mounted Speaker/Strobe (Wheelock E70-24MCWH-FW).....	181.02	38.91
	28 46 21 33-2126	EA Red, 24 VDC, Selectable Candela 15/30/75/110, Wall Mounted Speaker/Strobe (Wheelock ET70-24MCW-FR).....	181.02	38.91
	28 46 21 33-2127	EA White, 24 VDC, Selectable Candela 15/30/75/110, Wall Mounted Speaker/Strobe (Wheelock ET70-24MCW-FW)	181.02	38.91
	28 46 21 33-2128	EA Weatherproof, Red, 24 VDC, 75 Candela, Wall Mounted Speaker Strobe (Wheelock ET70WP-2475 W-FR)	198.20	44.10
		Note: Requires weatherproof backbox (IOB).		
28 46 21 33-2129		Electric Alarm Bells <small>(28 46 21 33-2070)</small>		
	28 46 21 33-2130	EA 6", 24 VDC, Red, Vibrating Bell (Wheelock 43T-G6-24-R).....	145.42	38.91
	28 46 21 33-2131	EA 6", 115 VAC, Red, Vibrating Bell (Wheelock 43T-G6-115-R)	145.42	38.91
	28 46 21 33-2132	EA 10", 115 VAC, Red, Vibrating Bell (Wheelock 43T-G10-115-R)	182.62	38.91
	28 46 21 33-2133	EA 115 VAC, Single Stroke, Red, 10" Explosion Proof Bell (Wheelock CSX10-115-R).....	1,137.00	44.10
	28 46 21 33-2134	EA Outdoor, 115 VAC, Single Stroke, Red, 10" Explosion Proof Bell (Wheelock CSXG10-115-R)	1,784.20	44.10

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MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 21 33-2135	EA		Vibrating, Outdoor, 115 VAC, Single Stroke, Red, 10" Explosion Proof Bell (Wheelock CVXG10-115-R).....	1,668.20	44.10
28 46 21 33-2136	EA		6", ADA, 24 VDC, Red, Motor Bell (Wheelock MB-G6-24-R).....	121.42	38.91
28 46 21 33-2137	EA		10", ADA, 24 VDC, Red, Motor Bell (Wheelock MB-G10-24-R).....	140.22	38.91
28 46 21 33-2138			Horns (28 46 21 33-2070)		
28 46 21 33-2139	EA		Two Wire, 24 VDC, Indoor Or Outdoor, Continuous Or Code 3, Sync Or Non Sync Horn (Wheelock AH-24WP-R).....	109.82	38.91
28 46 21 33-2140	EA		Red, Two Wire, 12/24 VDC, Wall Mounted Horn (Wheelock HNR).....	109.42	38.91
28 46 21 33-2141	EA		White, Two Wire, 12/24 VDC, Wall Mounted Horn (Wheelock HNW).....	109.42	38.91
28 46 21 33-2142	EA		Red, Two Wire, 12/24 VDC, Ceiling Mounted Horn (Wheelock HNR-C).....	109.82	38.91
28 46 21 33-2143	EA		White, Two Wire, 12/24 VDC, Ceiling Mounted Horn (Wheelock HNW-C).....	109.82	38.91
28 46 21 33-2144	EA		Red, 24 VDC, Sync With Built-In Temporal, Mini-Horn (Wheelock MIZ-24S-R).....	96.22	38.91
28 46 21 33-2145	EA		White, 24 VDC, Sync With Built-In Temporal, Mini-Horn (Wheelock MIZ-24S-W).....	96.22	38.91
28 46 21 33-2146	EA		Red, Flush, 12/24 VAC, Horn (Wheelock MT-12/24-R).....	107.82	38.91
28 46 21 33-2147			Speakers (28 46 21 33-2070)		
28 46 21 33-2148	EA		Red, Square, 25 Or 70.7 VRMS, 1/8 To 2 Watts, Wall Mounted Speaker (Wheelock E50-R).....	112.22	38.91
28 46 21 33-2149	EA		White, Square, 25 Or 70.7 VRMS, 1/8 To 2 Watts, Wall Mounted Speaker (Wheelock E50-W).....	112.22	38.91
28 46 21 33-2150	EA		Red, Square, 25 Or 70.7 VRMS, 1/8 To 2 Watts, Ceiling Mounted Speaker (Wheelock E60-R).....	112.22	38.91
28 46 21 33-2151	EA		White, Square, 25 Or 70.7 VRMS, 1/8 To 2 Watts, Ceiling Mounted Speaker (Wheelock E60-W).....	110.22	38.91
28 46 21 33-2152	EA		Red, Flush, Square, 25 Or 70.7 VRMS, 1/8 To 2 Watts, Wall Or Ceiling Mounted Speaker (Wheelock E70-R).....	112.22	38.91
28 46 21 33-2153	EA		White, Flush, Square, 25 Or 70.7 VRMS, 1/8 To 2 Watts, Wall Or Ceiling Mounted Speaker (Wheelock E70-W).....	112.22	38.91
28 46 21 33-2154	EA		Red, Round, 25 Or 70.7 VRMS, 1/8 To 2 Watts, Wall Or Ceiling Mounted Speaker (Wheelock E90-R).....	112.22	38.91
28 46 21 33-2155	EA		White, Round, 25 Or 70.7 VRMS, 1/8 To 2 Watts, Wall Or Ceiling Mounted Speaker (Wheelock E90-W).....	112.22	38.91
28 46 21 33-2156	EA		Red, Flush Or Surface, Square, 1/8 - 8 Watts, Wall Mounted Speaker (Wheelock ET70-R).....	125.02	38.91
28 46 21 33-2157	EA		White, Flush Or Surface, Square, 1/8 - 8 Watts, Wall Mounted Speaker (Wheelock ET70-W).....	125.02	38.91
28 46 21 33-2158	EA		White, Round, 25 Or 70.7 VRMS, 1/8 - 8 Watts Ceiling Mounted Speaker (Wheelock ET90-W).....	126.62	38.91
28 46 21 33-2159	EA		Red, Surface Mounted, Vandal Resistant, Square, 1/8 - 8 Watts, Wall Or Ceiling Mounted Speaker (Wheelock ET-1010-R).....	138.22	38.91
28 46 21 33-2160	EA		Red, Flush Mounted, Vandal Resistant, Square, 1/8 - 8 Watts, Wall Or Ceiling Mounted Speaker (Wheelock ET-1080-R).....	133.02	38.91
28 46 21 33-2161	EA		Grey, 1 To 15 Watts, 25/70/100 V Transformer, Loud Speaker (Wheelock STH-15S).....	237.02	38.91
28 46 21 33-2162	EA		Red, 1 To 15 Watts, 25/70/100 V Transformer, Loud Speaker (Wheelock STH-15SR).....	237.02	38.91
28 46 21 33-2163			Sync Modules (28 46 21 33-2070)		
28 46 21 33-2164	EA		12 Or 24 VDC, Single Circuit Class B, Sync Module (Wheelock SM-12/24-R).....	114.28	25.94
28 46 21 33-2165			Boxes, Plates And Rings (28 46 21 33-2070)		
28 46 21 33-2166	EA		4" Square, Red, Surface Backbox (Wheelock BB-R).....	33.34	12.97
28 46 21 33-2167	EA		Standard 4" Square Box (Wheelock BB-STD).....	31.22	12.97
28 46 21 33-2168	EA		Black, Backbox For UZC-256 (Wheelock BB-UZC).....	152.68	25.94
28 46 21 33-2169	EA		Red, Backbox For UZC-256 (Wheelock BB-UZC-R).....	152.68	25.94
28 46 21 33-2170	EA		9" x 12" x 2.75", For Two XP Boards, Surface Mounted Cabinet (Wheelock BB-XP).....	114.30	20.75
28 46 21 33-2171	EA		Red, Extender Ring For E60 Series (Wheelock E60EXT-R).....	17.38	5.19
28 46 21 33-2172	EA		White, Extender Ring For E60 Series (Wheelock E60EXT-W).....	17.18	5.19
28 46 21 33-2173	EA		Red, Surface Mounted Backbox For E50 Speakers (Wheelock E50SB-R).....	41.54	12.97
28 46 21 33-2174	EA		White, Surface Mounted Backbox For E50 Speakers (Wheelock E50SB-W).....	39.94	12.97
28 46 21 33-2175	EA		Red, Surface Mounted Backbox For E50 Speaker Strobe (Wheelock E50SSB-R).....	42.34	12.97
28 46 21 33-2176	EA		White, Surface Mounted Backbox For E50 Speaker Strobe (Wheelock E50SSB-W).....	42.34	12.97
28 46 21 33-2177	EA		4" Square Backbox (Wheelock DBB-R).....	35.14	12.97
28 46 21 33-2178	EA		Red, Surface Backbox (Wheelock IOB-R).....	40.74	12.97
28 46 21 33-2179	EA		White, Surface, Backbox (Wheelock IOB-W).....	40.74	12.97
28 46 21 33-2180	EA		White, Indoor, Surface Extender (Wheelock ISP2-W).....	16.58	5.19
28 46 21 33-2181	EA		Red, RS/RSS Strobe Trim Plate (Wheelock NATP-R).....	17.18	5.19
28 46 21 33-2182	EA		White, RS/RSS Strobe Trim Plate (Wheelock NATP-W).....	17.18	5.19
28 46 21 33-2183	EA		Red Retrofit Plate (Wheelock RP-R).....	19.58	5.19
28 46 21 33-2184	EA		4" Speaker/Strobe Ceiling Tile Support Bracket (Wheelock SSB-4).....	27.18	5.19
28 46 21 33-2185	EA		Red, Surface Mounted, Backbox For Chimes, Speakers (Wheelock SBB-R).....	42.34	12.97
28 46 21 33-2186	EA		White, Surface Mounted, Backbox For Chimes, Speaker (Wheelock SBB-W).....	42.34	12.97
28 46 21 33-2187	EA		Red, Surface Mounted, Backbox For With RSSP (Wheelock SBL2-R).....	45.34	12.97
28 46 21 33-2188	EA		Red, Semi-Flush Plate (Wheelock SFB-R).....	17.78	5.19
28 46 21 33-2189	EA		White, Semi-Flush Plate (Wheelock SFB-W).....	17.78	5.19
28 46 21 33-2190	EA		Red, Shallow Surface Mounted, Backbox (Wheelock SHBB-R).....	37.94	12.97
28 46 21 33-2191	EA		White, Shallow Surface Mounted, Backbox (Wheelock SHBB-W).....	37.94	12.97
28 46 21 33-2192	EA		Red, Adapter Plate For Mounting Sth-15S And Sth-15SR (Wheelock SHMP-R).....	23.78	5.19
28 46 21 33-2193	EA		Red, Weatherproof Backbox (Wheelock WBB).....	51.54	12.97
28 46 21 33-2194	EA		Weather Resistant Backbox (Wheelock WBB-R).....	42.34	12.97
28 46 21 33-2195	EA		Red, Flush Outdoor Mounting Plate For RS, ET, AH And MT Series (Wheelock WFP-R).....	29.78	5.19
28 46 21 33-2196	EA		White, Flush Outdoor Mounting Plate For RS, ET, AH And MT Series (Wheelock WFP-W).....	29.78	5.19
28 46 21 33-2197	EA		Red, Flush Outdoor Mounting Plate For ASWP Series (Wheelock WFPA-R).....	29.78	5.19
28 46 21 33-2198	EA		White, Flush Outdoor Mounting Plate For ASWP Series (Wheelock WFPA-W).....	29.78	5.19
28 46 21 33-2199	EA		Gasket Kit For Rear Wiring To Outdoor Backbox (Wheelock WP-KIT).....	17.78	5.19
28 46 21 33-2200	EA		Weather Resistant Backbox For ASWP (Wheelock WPBB-R).....	44.34	12.97
28 46 21 33-2201	EA		Weather Resistant Backbox For RSSWP (Wheelock WPSBB-R).....	42.34	12.97
28 46 21 33-2202			Fire Alarm Terminal Cabinets (28 46 21 33)		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 21 33-2203 EA 18 Point Lockable Fire Alarm Terminal Cabinet.....	169.46	51.95
28 46 21 33-2204 EA 32 Point Lockable Fire Alarm Terminal Cabinet.....	208.81	51.95
28 46 21 33-2205 EA 64 Point Lockable Fire Alarm Terminal Cabinet.....	287.51	51.95
28 46 21 33-2206 EA 128 Point Lockable Fire Alarm Terminal Cabinet.....	366.18	51.95
28 46 21 33-2207 Test And Certification <small>(28 46 21 33)</small>		
28 46 21 33-2208 DAY Test And Certification For Tie Into Existing Systems	827.79	
28 46 21 33-2209 HR Test And Certification Of Fire Alarm System	180.26	
Note: GCC Programming and Engineering; Programming of the Fire Alarm System.		
28 49 Electronic Personal Protection Systems <small>(28 49)</small>		
28 49 11 Electronic Personal Safety Detection Systems <small>(28 49)</small>		
28 49 11 00-0001 Personnel Alarm Locating System <small>(28 49 11)</small>		
Note: Includes a central computer, 17" VGA color monitor, keyboard and mouse, personal alarm locating software, a printer, interface cards and panels, eighty (80) personal alarm transmitters with lithium batteries, eighty (80) lapel readers, two hundred fifty (250) IR locators, twenty one (21) repeaters and receivers, back boxes, cables.		
28 49 11 00-0002 EA Personnel Alarm Locating System.....	12,580.50	832.53
Note: Includes Pentium III central computer, 17" VGA color monitor, keyboard and mouse, personal alarm locating software, a printer, interface cards and panels.		
28 49 11 00-0003 EA Personnel Alarm Transmitters With Lithium Batteries.....	94.60	
28 49 11 00-0004 EA Lapel Reader	36.38	
28 49 11 00-0005 EA IR Locator	156.91	31.17
28 49 11 00-0006 EA Repeaters And Receivers.....	404.28	103.89
28 49 17 Electronic Personal Safety Emergency Aid Devices <small>(28 49)</small>		
28 49 17 00-0001 Electronic Personal Safety Emergency Aid Devices (Edwards Signaling) <small>(28 49 17)</small>		
28 49 17 00-0002 Call For Assistance Kits, Emergency Aid Devices (Edwards Signaling) <small>(28 49 17 00-0001)</small>		
28 49 17 00-0003 EA Pull Cord Call For Assistance Kit With Strobe/Buzzer, Emergency Aid Devices (Edwards Signaling 7008B-N5)	220.97	62.33
Note: Includes 1 high intensity strobe/buzzer (7007B-N5) and 1 emergency pull cord station (6537).		
28 49 17 00-0004 EA Push Button Call For Assistance Kit With Strobe/Horn, Emergency Aid Devices (Edwards Signaling 7005-G5)	261.23	72.73
Note: Includes 1 high intensity strobe/horn (6536-G5), 1 emergency pull cord station (6537), and 1 transformer 592.		
28 49 17 00-0005 EA Pull Cord Call For Assistance Kit With Strobe/Horn, Emergency Aid Devices (Edwards Signaling 6538-G5).....	262.75	72.73
Note: Includes 1 high intensity strobe/horn (6536-G5), 1 wall mounted push button (620/147-10), and 1 transformer 592.		
28 49 17 00-0006 Audible/Visual Signaling Devices, Emergency Aid Devices (Edwards Signaling) <small>(28 49 17 00-0001)</small>		
28 49 17 00-0007 EA High Intensity Strobe/Buzzer, Emergency Aid Devices (Edwards Signaling 7007B-N5)	157.29	38.96
28 49 17 00-0008 EA High Intensity Strobe/Horn, Emergency Aid Devices (Edwards Signaling 6536-G5).....	147.96	31.17
28 49 17 00-0009 EA Transformer For High Intensity Strobe/Horns, Emergency Aid Devices (Edwards Signaling 592)	81.54	31.17
28 49 17 00-0010 EA 1 Lamp, Dome Station, Emergency Aid Devices (Edwards Signaling 7641-1N5).....	124.38	31.17
28 49 17 00-0011 EA 2 Lamp, Dome Station, Emergency Aid Devices (Edwards Signaling 7641-2N5).....	139.69	31.17
28 49 17 00-0012 EA 4 Lamp, Dome Station, Emergency Aid Devices (Edwards Signaling 7641-4G5)	155.59	31.17
28 49 17 00-0013 EA 2 Lamp, Dome Station/Buzzer, Emergency Aid Devices (Edwards Signaling 7633-2).....	206.68	31.17
28 49 17 00-0014 EA 4 Lamp, Dome Station/Buzzer, Emergency Aid Devices (Edwards Signaling 7633-4).....	228.66	31.17
28 49 17 00-0015 Call Activation Devices, Emergency Aid Devices (Edwards Signaling) <small>(28 49 17 00-0001)</small>		
28 49 17 00-0016 EA Double Pole Single Throw Switch, Pull Cord Station With Stainless Steel Face Plate, Emergency Aid Devices (Edwards Signaling 6537)	100.76	31.17
28 49 17 00-0017 EA Pushbutton Wall Station/Indicator Lamp With Stainless Steel Face Plate, Emergency Aid Devices (Edwards Signaling 7603E)	137.27	31.17
28 49 17 00-0018 EA Pushbutton Wall Station/Indicator Lamp With Stainless Steel Face Plate, Emergency Aid Devices (Edwards Signaling 7613E)	172.52	31.17
28 49 17 00-0019 EA 3 Maintained Contacts, Pull Cord Station With Stainless Steel Face Plate, Emergency Aid Devices (Edwards Signaling 7302).....	167.17	10.39
28 49 17 00-0020 EA Bedside Wall Station Receptacle, Emergency Aid Devices (Edwards Signaling 7930).....	140.53	31.17
28 49 17 00-0021 EA Bedside Wall Station Receptacle With Lamp, Emergency Aid Devices (Edwards Signaling 7930L).....	161.61	31.17
28 49 17 00-0022 EA Locking Button, Pull Cord Station With Stainless Steel Face Plate, Emergency Aid Devices (Edwards Signaling 7932L)	257.67	31.17
28 49 17 00-0023 EA Pendant Push Button, Emergency Aid Devices (Edwards Signaling 7620)	134.73	31.17
28 49 17 00-0024 EA Single 6' Calling Cord Set For Bedside Wall Station Receptacles, Emergency Aid Devices (Edwards Signaling 7675)	142.54	10.39
28 49 17 00-0025 EA Double 6' Calling Cord Set For Bedside Wall Station Receptacles, Emergency Aid Devices (Edwards Signaling 7676)	216.11	10.39
28 49 17 00-0026 EA Single 15' Calling Cord Set For Bedside Wall Station Receptacles, Emergency Aid Devices (Edwards Signaling 7685)	220.64	10.39
28 49 17 00-0027 EA Double 15' Calling Cord Set For Bedside Wall Station Receptacles, Emergency Aid Devices (Edwards Signaling 7686)	288.20	10.39

28

28 Electronic Safety And Security

28 40 Life Safety

28 49 Electronic Personal Protection Systems



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

END OF SECTION 28



Earthwork	31	13
Maintenance of Earthwork	31 01	
Maintenance of Earth Moving	31 01 20	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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31 Earthwork

31 01 Maintenance of Earthwork ⁽³¹⁾

31 01 20 Maintenance of Earth Moving ^(31 01)

31 01 20 00-0001 Rip Settling Basins ^(31 01 20)

Note: Rip through light soil and sand in settling basin. 8' on center (machine width).

31 01 20 00-0002	ACR Rip Light Soil And Sand, By Dozer	468.30
31 01 20 00-0003	ACR Rip Light Soil And Sand, By Grader With Rear Ripper	764.60
31 01 20 00-0004	ACR Rip Light Soil And Sand, By Rubber Tire Front End Loader	650.56

31 05 Common Work Results For Earthwork ⁽³¹⁾

31 05 13 Soils For Earthwork ^(31 05)

Note: Includes delivery up to 15 miles from the closest approved source and dumping. Excludes spreading or backfilling. See CSI section 01 74 19 00-0038 for hauling greater than 15 miles.

31 05 13 00-0001 Fill Material (Loose, Purchased Material) ^(31 05 13)

Note: Includes delivery up to 15 miles from the closest approved source, loading and dumping. Excludes spreading or backfilling. See CSI section 01 74 19 00-0038 for hauling greater than 15 miles.

31 05 13 00-0002	CY Sand, Bank Run.....	39.99
	For Up To 10, Add	11.42
	For >10 To 25, Add	4.00
31 05 13 00-0003	CY 3/8" Minus, ASTM C33, Screened/Washed Bedding Sand.....	41.49
	For Up To 10, Add	11.87
	For >10 To 25, Add	4.15
31 05 13 00-0004	CY Native Clean Fill Soil/Dirt - Common	29.49
	For Up To 10, Add	8.27
	For >10 To 25, Add	2.95
31 05 13 00-0005	CY Lime Rock Screening.....	45.26
	For Up To 10, Add	13.00
	For >10 To 25, Add	4.53
31 05 13 00-0006	CY Crushed Lime Rock Maximum 3-1/2"	41.12
	For Up To 10, Add	11.76
	For >10 To 25, Add	4.11
31 05 13 00-0007	CY Asphalt Sand	37.37
	For Up To 10, Add	10.64
	For >10 To 25, Add	3.74
31 05 13 00-0008	CY Lawn Sand.....	29.95
	For Up To 10, Add	8.41
	For >10 To 25, Add	3.00
31 05 13 00-0009	CY Sand/Clay	39.16
	For Up To 10, Add	11.17
	For >10 To 25, Add	3.92
31 05 13 00-0010	CY Recycled Concrete Aggregate.....	92.62
	For Up To 10, Add	27.21
	For >10 To 25, Add	9.26
31 05 13 00-0011	CY Sand Fill, Washed Aggregate	53.89
	For Up To 10, Add	15.59
	For >10 To 25, Add	5.39
31 05 13 00-0012	CY Pond Sand.....	23.55
	For Up To 10, Add	6.49
	For >10 To 25, Add	2.36
31 05 13 00-0013	CY Pitrun Clay.....	31.54
	For Up To 10, Add	8.89
	For >10 To 25, Add	3.15
31 05 13 00-0014	CY Light Clay / Loam.....	45.76
	For Up To 10, Add	13.15
	For >10 To 25, Add	4.58
31 05 13 00-0015	CY Heavy Clay	38.71
	For Up To 10, Add	11.04
	For >10 To 25, Add	3.87

31 05 16 Aggregates For Earthwork ^(31 05)

See CSI section 01 74 19 00-0038 for hauling greater than 15 miles.

31 05 16 00-0001 Aggregate (Loose, Purchased Material) ^(31 05 16)

Note: Includes delivery up to 15 miles from the closest approved source, loading and dumping. Excludes spreading or backfilling. See CSI section 01 74 19 00-0038 for hauling greater than 15 miles.

31 05 16 00-0002	CY #2 Stone Aggregate Fill (1-1/2" To 2-1/2" Clean).....	72.65
	For Up To 10, Add	21.22
	For >10 To 25, Add	7.27
31 05 16 00-0003	CY #3 Stone Aggregate Fill (1" To 2" Clean).....	61.81
	For Up To 10, Add	17.97
	For >10 To 25, Add	6.18
31 05 16 00-0004	CY #4 Stone Aggregate Fill (3/4" To 1-1/2" Clean).....	63.18
	For Up To 10, Add	18.38
	For >10 To 25, Add	6.32

31 Earthwork
31 05 Common Work Results For Earthwork
31 05 16 Aggregates For Earthwork



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 05 16 00-0005 CY #5 Stone Aggregate Fill (1/2" To 1" Clean)	69.71	
For Up To 10, Add	20.34	
For >10 To 25, Add	6.97	
31 05 16 00-0006 CY #6 Stone Aggregate Fill (3/8" To 3/4" Clean)	71.03	
For Up To 10, Add	20.73	
For >10 To 25, Add	7.10	
31 05 16 00-0007 CY #56 Stone Aggregate Fill (3/8" To 1")	73.72	
For Up To 10, Add	21.54	
For >10 To 25, Add	7.37	
31 05 16 00-0008 CY #57 Stone Aggregate Fill (#4 To 1")	75.30	
For Up To 10, Add	22.02	
For >10 To 25, Add	7.53	
31 05 16 00-0009 CY #67 Or #68 Stone Aggregate Fill (#4 To 3/4")	76.79	
For Up To 10, Add	22.46	
For >10 To 25, Add	7.68	
31 05 16 00-0010 CY #7 Stone Aggregate Fill (1/2" To #4)	77.06	
For Up To 10, Add	22.54	
For >10 To 25, Add	7.71	
31 05 16 00-0011 CY #78 Stone Aggregate Fill (#8 To 1/2")	79.74	
For Up To 10, Add	23.35	
For >10 To 25, Add	7.97	
31 05 16 00-0012 CY #8 Stone Aggregate Fill (3/8" x 1/8")	82.42	
For Up To 10, Add	24.15	
For >10 To 25, Add	8.24	
31 05 16 00-0013 CY #89 Stone Aggregate Fill (#16 To 3/8")	82.84	
For Up To 10, Add	24.28	
For >10 To 25, Add	8.28	
31 05 16 00-0014 CY #9 Stone Aggregate Fill (1/4" Clean)	83.27	
For Up To 10, Add	24.41	
For >10 To 25, Add	8.33	
31 05 16 00-0015 CY #10 Stone Aggregate Fill (#8 To 3/4)	87.34	
For Up To 10, Add	25.63	
For >10 To 25, Add	8.73	
31 05 16 00-0016 CY #610 Modified Stone Aggregate Fill (#16 To 3/4")	79.18	
For Up To 10, Add	23.18	
For >10 To 25, Add	7.92	
31 05 16 00-0017 CY Screenings Stone Aggregate Fill	59.35	
For Up To 10, Add	17.23	
For >10 To 25, Add	5.94	
31 05 16 00-0018 CY Stone Aggregate Fill, Random Size, Over 6" To 12"	89.38	
For Up To 10, Add	26.24	
For >10 To 25, Add	8.94	
31 05 16 00-0019 CY Graded Stone Aggregate Fill, Over 6" To 12"	101.09	
For Up To 10, Add	29.75	
For >10 To 25, Add	10.11	
31 05 16 00-0020 CY Surge Stone Aggregate Fill (3" To 7" Random)	76.62	
For Up To 10, Add	22.41	
For >10 To 25, Add	7.66	
31 05 16 00-0021 CY Surge Stone Graded Aggregate Fill (3" To 7")	92.16	
For Up To 10, Add	27.07	
For >10 To 25, Add	9.22	
31 05 16 00-0022 CY Crusher Run Aggregate Fill (2-1/2" Minus)	72.27	
For Up To 10, Add	21.11	
For >10 To 25, Add	7.23	
31 05 16 00-0023 CY Crusher Run Aggregate Fill (1-1/2" Minus)	69.60	
For Up To 10, Add	20.31	
For >10 To 25, Add	6.96	
31 05 16 00-0024 CY Crusher Run Aggregate Fill (3/4" Minus)	60.49	
For Up To 10, Add	17.57	
For >10 To 25, Add	6.05	
31 05 16 00-0025 CY Miscellaneous Crushed Base, Processed Concrete, Paving	35.38	
For Up To 10, Add	10.04	
For >10 To 25, Add	3.54	

31 05 36 Equipment Delivery, Pickup, Mobilization And Demobilization ⁽³¹⁾

⁽⁰⁵⁾
See CSI section 01 71 13 00-0001 for equipment delivery, pickup, mobilization and demobilization.

31 10 Site Clearing ⁽³¹⁾

31 11 Clearing And Grubbing ^(31 10)

31 11 00 00-0001 Clear And Grub Roots And Stumps ^(31 11)

Note: Tree diameter (diameter at breast height) is the diameter of the tree trunk measured at 4.5' above ground level. Based on tree density (light, medium or heavy) to be removed. Excludes loading. See CSI section 31 13 13 00-0001 for small areas or individual trees removal.

31 11 00 00-0002 ACR Clear And Grub Light Trees Up To 6" Diameter, Cut And Chip	6,483.23
Note: Includes grub and removal of stump	
31 11 00 00-0003 ACR Clear And Grub Light Stumps Only Up To 6" Diameter	1,508.13
31 11 00 00-0004 ACR Clear And Grub Medium Trees Up To 10" Diameter, Cut And Chip	7,563.78
Note: Includes grub and removal of stump	
31 11 00 00-0005 ACR Clear And Grub Medium Stumps Only Up To 10" Diameter	2,513.55
31 11 00 00-0006 ACR Clear And Grub Heavy Trees Up To 16" Diameter, Cut And Chip	8,595.20
Note: Includes grub and removal of stump	



Earthwork	31	13
Site Clearing	31 10	
Clearing And Grubbing	31 11	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 11 00 00-0007 ACR Clear And Grub Heavy Stumps Only Up To 16" Diameter.....	2,856.65	
31 11 00 00-0008 ACR Clearing By Machine - Light Brush Without Grub	247.92	
31 11 00 00-0009 ACR Clearing By Machine - Medium Brush Without Grub	503.23	
31 11 00 00-0010 ACR Clearing By Machine - Heavy Brush Without Grub.....	714.56	
31 11 00 00-0011 ACR Chipping - Light Brush.....	2,017.37	
31 11 00 00-0012 ACR Chipping - Medium Brush	2,593.89	
31 11 00 00-0013 ACR Chipping - Heavy Brush.....	3,631.77	
31 11 00 00-0014 Loading Of Cleared And Grubbed Material (31 11)		
See CSI section 01 74 19 00-0038 for hauling.		
31 11 00 00-0015 CY Machine Loading Of Cleared And Grubbed Material	8.47	
31 11 00 00-0016 CY Chute Loading Of Cleared And Grubbed Material	10.16	
31 11 00 00-0017 CY Hand Loading Of Cleared And Grubbed Material	32.80	
31 11 00 00-0018 CY Wheel And Ramp Loading Of Cleared And Grubbed Material.....	25.76	
31 13 Selective Tree And Shrub Removal And Trimming (31 10)		
31 13 13 Selective Tree And Shrub Removal (31 13)		
31 13 13 00-0001 Individual Tree Removal (31 13 13)		
Note: Includes sawing and chipping branches. Tree diameter, D.B.H. (Diameter At Breast Height) is the diameter of the tree trunk measured at 4.5' above ground elevation. Excludes stump removal or grinding.		
31 13 13 00-0002 EA Up To 6" D.B.H. (Diameter At Breast Height) Tree Removal.....	472.74	
Note: Includes cutting up tree, chipping and loading.		
31 13 13 00-0003 EA >6" To 12" D.B.H. (Diameter At Breast Height) Tree Removal.....	709.10	
Note: Includes cutting up tree, chipping and loading.		
31 13 13 00-0004 EA >12" To 24" D.B.H. (Diameter At Breast Height) Tree Removal	945.47	
Note: Includes cutting up tree, chipping and loading.		
31 13 13 00-0005 EA >24" To 36" D.B.H. (Diameter At Breast Height) Tree Removal	1,418.21	
Note: Includes cutting up tree, chipping and loading.		
31 13 13 00-0006 EA >36" To 48" D.B.H. (Diameter At Breast Height) Tree Removal	1,890.94	
Note: Includes cutting up tree, chipping and loading.		
31 13 13 00-0007 Stump Removal (31 13 13)		
Note: Measured by diameter of stump.		
31 13 13 00-0008 Stump Removal By Machine (31 13 13 00-0007)		
31 13 13 00-0009 EA Up To 6" Diameter Stump Removal.....	75.41	
Note: Includes excavation necessary to remove stump and loading.		
31 13 13 00-0010 EA >6" To 12" Diameter Stump Removal	144.53	
Note: Includes excavation necessary to remove stump and loading.		
31 13 13 00-0011 EA >12" To 24" Diameter Stump Removal.....	188.51	
Note: Includes excavation necessary to remove stump and loading.		
31 13 13 00-0012 EA >24" To 36" Diameter Stump Removal.....	282.78	
Note: Includes excavation necessary to remove stump and loading.		
31 13 13 00-0013 EA >36" To 48" Diameter Stump Removal.....	333.07	
Note: Includes excavation necessary to remove stump and loading.		
31 13 13 00-0014 Stump Removal By Hand (31 13 13 00-0007)		
31 13 13 00-0015 EA Up To 6" Diameter Stump Removal By Hand	497.96	
Note: Where stump removal is inaccessible by machine. Includes excavation necessary to remove stump and loading.		
31 13 13 00-0016 EA >6" To 12" Diameter Stump Removal By Hand	622.46	
Note: Where stump removal is inaccessible by machine. Includes excavation necessary to remove stump and loading.		
31 13 13 00-0017 EA >12" To 24" Diameter Stump Removal By Hand	912.94	
Note: Where stump removal is inaccessible by machine. Includes excavation necessary to remove stump and loading.		
31 13 13 00-0018 EA >24" To 36" Diameter Stump Removal By Hand	1,244.91	
Note: Where stump removal is inaccessible by machine. Includes excavation necessary to remove stump and loading.		
31 13 13 00-0019 EA >36" To 48" Diameter Stump Removal By Hand	1,659.87	
Note: Where stump removal is inaccessible by machine. Includes excavation necessary to remove stump and loading.		
31 13 13 00-0020 Stump Grinding (31 13 13)		
Note: Measured by diameter of stump.		
31 13 13 00-0021 Stump Grinding, 18" Deep Below Surface Of Soil (31 13 13 00-0020)		
Note: Level soil to match existing surface area.		
31 13 13 00-0022 EA Stump Grinding Up To 6" Tree	97.23	
For 24" Depth, Add	19.45	
31 13 13 00-0023 EA Stump Grinding >6" To 12" Tree.....	129.65	
For 24" Depth, Add	25.93	
31 13 13 00-0024 EA Stump Grinding >12" To 15" Tree.....	145.85	
For 24" Depth, Add	29.17	
31 13 13 00-0025 EA Stump Grinding >15" To 18" Tree.....	162.06	
For 24" Depth, Add	32.41	

31 Earthwork**31 10 Site Clearing****31 13 Selective Tree And Shrub Removal And Trimming**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 13 13 00-0026 EA Stump Grinding >18" To 21" Tree.....	174.21	
For 24" Depth, Add	34.84	
31 13 13 00-0027 EA Stump Grinding >21" To 24" Tree.....	186.37	
For 24" Depth, Add	37.27	
31 13 13 00-0028 EA Stump Grinding >24" To 27" Tree.....	202.57	
For 24" Depth, Add	40.51	
31 13 13 00-0029 EA Stump Grinding >27" To 30" Tree.....	220.82	
For 24" Depth, Add	44.16	
31 13 13 00-0030 EA Stump Grinding >30" To 33" Tree.....	245.35	
For 24" Depth, Add	49.07	
31 13 13 00-0031 EA Stump Grinding >33" To 36" Tree.....	261.71	
For 24" Depth, Add	52.34	
31 13 13 00-0032 EA Stump Grinding >36" To 42" Tree.....	294.42	
For 24" Depth, Add	58.88	
31 13 13 00-0033 EA Stump Grinding >42" To 48" Tree.....	327.14	
For 24" Depth, Add	65.43	
31 13 13 00-0034 Shrub Removal <small>(31 13 13)</small>		
31 13 13 00-0035 EA Removal Of 18" To 24" Shrub, Broadleaf Evergreen.....	35.88	
31 13 13 00-0036 EA Removal Of 2' To 3' Shrub, Broadleaf Evergreen.....	56.26	
31 13 13 00-0037 EA Removal Of 3' To 4' Shrub, Broadleaf Evergreen.....	65.22	
31 13 13 00-0038 EA Removal Of 4' To 5' Shrub, Broadleaf Evergreen.....	97.84	
31 13 13 00-0039 EA Removal Of 12" To 15" Shrub, Deciduous.....	17.94	
31 13 13 00-0040 EA Removal Of 18" To 24" Shrub, Deciduous.....	27.72	
31 13 13 00-0041 EA Removal Of 2' To 3' Shrub, Deciduous.....	35.88	
31 13 13 00-0042 EA Removal Of 3' To 4' Shrub, Deciduous.....	39.13	
31 13 13 00-0043 EA Removal Of 18" To 24" Shrub, Evergreen.....	35.88	
31 13 13 00-0044 EA Removal Of 24" To 30" Shrub, Evergreen.....	39.13	
31 13 13 00-0045 EA Removal Of 30" To 36" Shrub, Evergreen.....	56.26	
31 13 13 00-0046 EA Removal Of 36" To 42" Shrub, Evergreen.....	97.83	
31 13 16 Selective Tree And Shrub Trimming <small>(31 13)</small>		
31 13 16 00-0001 Tree Trimming For Pole Line Construction And Maintenance <small>(31 13 16)</small>		
Note: Area to be vertical cleared (to include overhanging limbs) is minimum 20' wide (10' each side of structure) and 16' above ground. All materials to 6" D.B.H. (Diameter At Breast Height) to be chipped in place. Larger material may be chipped or disposed. Trees greater than 18" diameter use individual tree removal tasks. Quantity based on running foot of power line to be cleared.		
31 13 16 00-0002 LF Tree Trimming, Light Cutting To 6" Diameter For Pole Line Construction.....	1.59	
31 13 16 00-0003 LF Tree Trimming, Medium Cutting >6" To 12" Diameter For Pole Line Construction.....	2.39	
31 13 16 00-0004 LF Tree Trimming, Heavy Cutting >12" To 18" Diameter For Pole Line Construction.....	2.81	
31 20 Earth Moving <small>(31)</small>		
Note: Per OSHA -Soil Classification - 1926 Subpart P App A. Light material: Class A site material, normally referred to as "easy digging". Consisting of loose, soft, free running materials. Close lying, which will fill blade, digger or bucket to capacity, and frequently provide a heaped load. Materials such as dry sand, small gravel, unpacked earth, loam, etc., would fall into this category. Medium material: Class B site material, normally referred to as "medium and tough, wet and sticky clay would be examples of this medium digging", consisting of harder materials that are not difficult to dig without assistance such as ripping, blasting, etc. Material break up with some bulkiness causing voids in digger or bucket. Materials such as packed earth, common earth with some clay, soil with less than 25% rock content would be examples of this category. Heavy/wet material: Class C site material, normally referred to as "hard digging", consisting of materials which may require some assistance in breaking up. Bulky and somewhat hard to penetrate materials would be found in this category and voids in dipper or bucket would be common. Materials such as very hard packed soil, with up to 50% to 70% rock content and hard category. Soil conditions will be determined by soil analysis to provide appropriate percentage (%) for the various types of soil conditions. Apply the percentages to the various soil types to generate an appropriate representation of the soil condition.		
31 23 Excavation And Fill <small>(31 23)</small>		
31 23 16 Excavation <small>(31 23)</small>		
31 23 16 13 Trenching <small>(31 23 16)</small>		
Note: Use this section for trenching operations even if the total project volume exceeds 500 CY. Use tasks for work by hand only for areas not accessible by machine.		
31 23 16 13-0001 Excavation For Trenching By Machine <small>(31 23 16 13)</small>		
Note: Includes stockpiling excess materials and trimming sides and bottom of trench.		
31 23 16 13-0002 CY 12" Wide or Less, Excavation for Trenching by Machine in Soil.....	8.23	
For Excavation In Light Material (Class A), Deduct	-1.03	
For Excavation In Heavy/Wet Material (Class C), Add	3.29	
For Up To 20, Add	6.58	
For >20 To 50, Add	4.12	
For >50 To 250, Add	2.06	
For >500 To 1,000, Deduct	-1.23	
For >1,000, Deduct	-2.47	
31 23 16 13-0003 CY Over 12" Wide, Excavation for Trenching by Machine in Soil.....	5.28	
For Excavation In Light Material (Class A), Deduct	-0.66	
For Excavation In Heavy/Wet Material (Class C), Add	2.11	
For Up To 20, Add	4.22	
For >20 To 50, Add	2.64	
For >50 To 250, Add	1.32	
For >500 To 1,000, Deduct	-0.79	
For >1,000, Deduct	-1.58	



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Earth Moving	31 20	
Excavation And Fill	31 23	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 23 16 13-0004 CY 12" Wide or Less, Excavation for Trenching by Machine in Loose Rock.....	13.62	
For Up To 20, Add	10.90	
For >20 To 50, Add	6.81	
For >50 To 250, Add	3.41	
For >500 To 1,000, Deduct	-2.04	
For >1,000, Deduct	-4.09	
31 23 16 13-0005 CY Over 12" Wide, Excavation for Trenching by Machine in Loose Rock.....	9.39	
For Up To 20, Add	7.51	
For >20 To 50, Add	4.70	
For >50 To 250, Add	2.35	
For >500 To 1,000, Deduct	-1.41	
For >1,000, Deduct	-2.82	
31 23 16 13-0006 Excavation For Trenching By Hand (31 23 16 13)		
31 23 16 13-0007 CY Excavation For Trenching By Hand In Soil.....	108.23	
Note: Includes stockpiling excess materials and trimming sides and bottom of trench.		
31 23 16 13-0008 CY Excavation For Trenching By Hand In Loose Rock.....	185.66	
Note: Includes stockpiling excess materials and trimming sides and bottom of trench.		
31 23 16 13-0009 Backfilling Or Placing Subbase For Trenches (31 23 16 13)		
Note: With imported or stockpiled materials.		
31 23 16 13-0010 CY Backfilling or Placing Subbase for Trenches with Imported or Stockpiled Materials by Machine.....	2.89	
For Up To 20, Add	2.31	
For >20 To 50, Add	1.45	
For >50 To 250, Add	0.72	
For >500 To 1,000, Deduct	-0.43	
For >1,000, Deduct	-0.87	
31 23 16 13-0011 CY Backfilling or Placing Subbase for Trenches with Imported or Stockpiled Materials by Hand.....	30.07	
31 23 16 13-0012 Compaction Of Fill Or Subbase For Trenches (31 23 16 13)		
Note: Includes restoration of final grade.		
31 23 16 13-0013 CY Compaction of Fill or Subbase for Trenches by Vibratory Plate, Air Tamper, Etcetera.....	6.26	
For Up To 20, Add	5.01	
For >20 To 50, Add	3.13	
For >50 To 250, Add	1.57	
For >500 To 1,000, Deduct	-0.94	
For >1,000, Deduct	-1.88	
31 23 16 13-0014 CY Compaction of Fill or Subbase for Trenches by Hand.....	33.91	
31 23 16 13-0015 Loading Excess Material For Removal From Excavation For Trenches (31 23 16 13)		
Note: Includes hand work by laborer for clean-up. Not to be used when excavated material can be loaded directly into truck instead of stock-piling.		
31 23 16 13-0016 CY Load Excess Material by Machine for Removal from Excavation for Trenching.....	5.02	
For Up To 20, Add	4.02	
For >20 To 50, Add	2.51	
For >50 To 250, Add	1.26	
For >500 To 1,000, Deduct	-0.75	
For >1,000, Deduct	-1.51	
31 23 16 13-0017 CY Load Excess Material by Hand for Removal from Excavation for Trenching.....	79.37	
31 23 16 13-0018 Spread Excess Or Imported Material For Trenches (31 23 16 13)		
Note: Includes hand work by laborer for clean-up.		
31 23 16 13-0019 CY Spread Excess Or Imported Material On Site With Machine.....	2.30	
For Up To 20, Add	1.84	
For >20 To 50, Add	1.15	
For >50 To 250, Add	0.58	
For >500 To 1,000, Deduct	-0.35	
For >1,000, Deduct	-0.69	
31 23 16 13-0020 Direct Burial (Plowed-in) Cable Or Piping By Machine (31 23 16 13)		
Note: Includes trench, backfill, compaction and restoration of final grade.		
31 23 16 13-0021 LF Direct Burial of Cable or Piping up to 12" Deep.....	1.75	
31 23 16 13-0022 LF Direct Burial of Cable or Piping >12" to 24" Deep.....	1.91	
31 23 16 13-0023 LF Direct Burial of Cable or Piping >24" to 36" Deep.....	2.73	
31 23 16 13-0024 LF Direct Burial of Cable or Piping >36" to 48" Deep.....	3.08	
31 23 16 13-0025 Utility Chain Trencher (31 23 16 13)		
31 23 16 13-0026 Utility Trench, Chain Trencher (31 23 16 13-0025)		
Note: Earth left adjacent to trench.		
31 23 16 13-0027 LF 4" Wide, 12" Deep Trench, Medium Soil, Chain Trencher.....	0.97	
31 23 16 13-0028 LF 4" Wide, 18" Deep Trench, Medium Soil, Chain Trencher.....	1.06	
31 23 16 13-0029 LF 4" Wide, 24" Deep Trench, Medium Soil, Chain Trencher.....	1.10	
31 23 16 13-0030 LF 6" Wide, 12" Deep Trench, Medium Soil, Chain Trencher.....	1.16	
31 23 16 13-0031 LF 6" Wide, 18" Deep Trench, Medium Soil, Chain Trencher.....	1.27	
31 23 16 13-0032 LF 6" Wide, 24" Deep Trench, Medium Soil, Chain Trencher.....	1.45	

31 Earthwork**31 20 Earth Moving****31 23 Excavation And Fill**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 23 16 13-0033 LF 6" Wide, 36" Deep Trench, Medium Soil, Chain Trencher	1.74	
31 23 16 13-0034 LF 8" Wide, 12" Deep Trench, Medium Soil, Chain Trencher	1.65	
31 23 16 13-0035 LF 8" Wide, 18" Deep Trench, Medium Soil, Chain Trencher	1.94	
31 23 16 13-0036 LF 8" Wide, 24" Deep Trench, Medium Soil, Chain Trencher	2.20	
31 23 16 13-0037 LF 8" Wide, 36" Deep Trench, Medium Soil, Chain Trencher	2.61	
31 23 16 13-0038 Backfill Trenches With Compaction <small>(31 23 16 13-0025)</small>		
31 23 16 13-0039 LF Backfill 4" Wide, 12" Deep Trench, With Compaction	0.15	
31 23 16 13-0040 LF Backfill 4" Wide, 18" Deep Trench, With Compaction	0.23	
31 23 16 13-0041 LF Backfill 4" Wide, 24" Deep Trench, With Compaction	0.31	
31 23 16 13-0042 LF Backfill 6" Wide, 12" Deep Trench, With Compaction	0.23	
31 23 16 13-0043 LF Backfill 6" Wide, 18" Deep Trench, With Compaction	0.31	
31 23 16 13-0044 LF Backfill 6" Wide, 24" Deep Trench, With Compaction	0.47	
31 23 16 13-0045 LF Backfill 6" Wide, 36" Deep Trench, With Compaction	0.67	
31 23 16 13-0046 LF Backfill 8" Wide, 12" Deep Trench, With Compaction	0.31	
31 23 16 13-0047 LF Backfill 8" Wide, 18" Deep Trench, With Compaction	0.47	
31 23 16 13-0048 LF Backfill 8" Wide, 24" Deep Trench, With Compaction	0.63	
31 23 16 13-0049 LF Backfill 8" Wide, 36" Deep Trench, With Compaction	0.95	
31 23 16 26 Rock Removal <small>(31 23 16)</small>		
31 23 16 26-0001 Rock Breaking By Machine <small>(31 23 16 26)</small>		
Note: Excludes excavation of broken-up rock.		
31 23 16 26-0002 CY Rock Breaking By Machine, Soft Sedimentary Rocks (Shale, Sandstone, Limestone).....	19.49	
31 23 16 26-0003 CY Rock Breaking By Machine, Medium Metamorphic Rock (Slate)	20.78	
31 23 16 26-0004 CY Rock Breaking By Machine, Hard Igneous Rock (Granite, Basalt)	24.68	
31 23 16 33 Bulk Excavation <small>(31 23 16)</small>		
Note: For excavations where the total quantity for a project is greater than 500 cubic yards. See CSI section 31 05 16 00-0000 for imported material.		
31 23 16 33-0001 Excavation <small>(31 23 16 33)</small>		
Note: For bulk excavation. Includes stockpiling excavated materials within 100' of point of excavation.		
31 23 16 33-0002 CY Bulk Excavation by Dozer in Soil	7.19	
For Excavation In Light Material (Class A), Deduct	-0.90	
For Excavation In Heavy/Wet Material (Class C), Add	2.88	
For >1,000, Deduct	-1.08	
31 23 16 33-0003 CY Bulk Excavation by Hydraulic Excavator, Front End Loader, Backhoe in Soil	4.26	
For Excavation In Light Material (Class A), Deduct	-0.53	
For Excavation In Heavy/Wet Material (Class C), Add	1.70	
For >1,000, Deduct	-0.64	
31 23 16 33-0004 CY Bulk Excavation by Dozer in Loose Rock	8.85	
For >1,000, Deduct	-1.33	
31 23 16 33-0005 CY Bulk Excavation by Hydraulic Excavator, Front End Loader, Backhoe in Loose Rock.....	5.24	
For >1,000, Deduct	-0.79	
31 23 16 33-0006 Spreading, Shaping And Rough Grading <small>(31 23 16 33)</small>		
Note: Imported or stockpiled material for bulk excavation.		
31 23 16 33-0007 CY Spreading, Shaping, and Rough Grading Imported or Stockpiled Material for Bulk Excavation by Machine	4.44	
For >1,000, Deduct	-0.67	
31 23 16 33-0008 Cutting, Shaping and Rough Grading Of Existing Elevations <small>(31 23 16 33)</small>		
Note: For bulk excavation.		
31 23 16 33-0009 CY Cutting, Shaping and Rough Grading Existing Elevations For Bulk Excavation by Machine	4.94	
For >1,000, Deduct	-0.74	
31 23 16 33-0010 Relocating On Site Excavated Material From Excavation <small>(31 23 16 33)</small>		
Note: For bulk excavation.		
31 23 16 33-0011 CY Relocating On Site Excavated Material From Bulk Excavation >100' to 300'.....	3.95	
For >1,000, Deduct	-0.59	
31 23 16 33-0012 CY Relocating On Site Excavated Material From Bulk Excavation >300' to 500'.....	5.92	
For >1,000, Deduct	-0.89	
31 23 16 33-0013 CY Relocating On Site Excavated Material From Bulk Excavation >500' To 1,000'	8.88	
For >1,000, Deduct	-1.33	
31 23 16 33-0014 CY Relocating On Site Excavated Material From Bulk Excavation >1,000'	11.84	
For >1,000, Deduct	-1.78	
31 23 16 33-0015 Finish Grading <small>(31 23 16 33)</small>		
Note: For bulk excavation.		
31 23 16 33-0016 SY Finish Grading for Bulk Excavation by Machine.....	0.49	
31 23 16 33-0017 Compaction Of Fill Or Subbase, Per Lift <small>(31 23 16 33)</small>		
Note: For bulk excavation. See CSI section 31 23 23 00-0001 for compaction water.		
31 23 16 33-0018 SY Compaction of Fill or Subbase for Bulk Excavation by Machine	0.51	
Note: Per Lift		



Earthwork	31	15
Earth Moving	31 20	
Excavation And Fill	31 23	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 23 16 33-0019 Loading Excess Material For Removal From Excavation <small>(31 23 16 33)</small> Note: For bulk excavation. Includes hand work by laborer for clean-up. Not to be used when excavated material can be loaded directly into truck instead of stock-piling.		
31 23 16 33-0020 CY Loading Excess Material For Removal From Bulk Excavation..... <i>For >1,000, Deduct</i>	4.15 -0.62	
31 23 16 36 Excavation For Building Foundations And Other Structures <small>(31 23 16)</small> Note: Use of a Bobcat is limited to access restricted areas and by owner's approval. See CSI section 31 05 16 00-0000 for imported material, 31 23 16 33-0000 for bulk excavation operations over 500 CY.		
31 23 16 36-0001 Excavation <small>(31 23 16 36)</small> Note: For building foundations and other structures by machine. Includes stockpiling excess materials within 100' of point of excavation, shaping, trimming and rough grading excavation.		
31 23 16 36-0002 Excavation For Building Foundations And Other Structures By Skid-Steer Loader <small>(31 23 16 36-0001)</small>		
31 23 16 36-0003 CY Excavation For Building Foundations And Other Structures By Skid-Steer Loader In Soil <i>For Excavation In Light Material (Class A), Deduct</i> <i>For Excavation In Heavy/Wet Material (Class C), Add</i> <i>For Up To 20, Add</i> <i>For >20 To 50, Add</i> <i>For >50 To 250, Add</i> <i>For >250 To 500, Add</i>	6.80 -0.85 2.72 6.80 5.10 2.72 1.02	
31 23 16 36-0004 CY Excavation For Building Foundations And Other Structures By Skid-Steer Loader In Loose Rock <i>For Up To 20, Add</i> <i>For >20 To 50, Add</i> <i>For >50 To 250, Add</i> <i>For >250 To 500, Add</i>	8.36 8.36 6.27 3.34 1.25	
31 23 16 36-0005 Excavation For Building Foundations And Other Structures By Hydraulic Excavator, Backhoe, Loader <small>(31 23 16 36-0001)</small>		
31 23 16 36-0006 CY Excavation For Building Foundations And Other Structures By Hydraulic Excavator, Backhoe, Loader in Soil <i>For Excavation In Light Material (Class A), Deduct</i> <i>For Excavation In Heavy/Wet Material (Class C), Add</i> <i>For Up To 20, Add</i> <i>For >20 To 50, Add</i> <i>For >50 To 250, Add</i> <i>For >250 To 500, Add</i>	5.12 -0.64 2.05 5.12 3.84 2.05 0.77	
31 23 16 36-0007 CY Excavation For Building Foundations And Other Structures By Hydraulic Excavator, Backhoe, Loader in Loose Rock <i>For Up To 20, Add</i> <i>For >20 To 50, Add</i> <i>For >50 To 250, Add</i> <i>For >250 To 500, Add</i>	6.09 6.09 4.57 2.44 0.91	
31 23 16 36-0008 Excavation For Building Foundations And Other Structures By Hand <small>(31 23 16 36-0001)</small> Note: For areas not accessible by machine and only with owner's approval.		
31 23 16 36-0009 CY Excavation For Building Foundations And Other Structures By Hand in Soil <i>For Excavation In Light Material (Class A), Deduct</i> <i>For Excavation In Heavy/Wet Material (Class C), Add</i>	108.23 -13.53 43.29	
31 23 16 36-0010 CY Excavation For Building Foundations And Other Structures By Hand in Loose Rock.....	185.66	
31 23 16 36-0011 Relocating On Site Excavated Material From Excavation <small>(31 23 16 36)</small> Note: For building foundations and other structures over 100'.		
31 23 16 36-0012 CY Relocating On Site Excavated Material From Excavation For Building Foundations and Other Structures >100' to 300' <i>For Up To 20, Add</i> <i>For >20 To 50, Add</i> <i>For >50 To 250, Add</i> <i>For >250 To 500, Add</i>	3.95 3.95 2.96 1.58 0.59	
31 23 16 36-0013 CY Relocating On Site Excavated Material From Excavation For Building Foundations and Other Structures >300' to 500' <i>For Up To 20, Add</i> <i>For >20 To 50, Add</i> <i>For >50 To 250, Add</i> <i>For >250 To 500, Add</i>	5.92 5.92 4.44 2.37 0.89	
31 23 16 36-0014 CY Relocating On Site Excavated Material From Excavation For Building Foundations and Other Structures >500' to 1,000' <i>For Up To 20, Add</i> <i>For >20 To 50, Add</i> <i>For >50 To 250, Add</i> <i>For >250 To 500, Add</i>	8.88 8.88 6.66 3.55 1.33	
31 23 16 36-0015 CY Relocating On Site Excavated Material From Excavation For Building Foundations and Other Structures >1,000' <i>For Up To 20, Add</i> <i>For >20 To 50, Add</i> <i>For >50 To 250, Add</i> <i>For >250 To 500, Add</i>	11.84 11.84 8.88 4.74 1.78	

31	31	Earthwork
	31 20	Earth Moving
	31 23	Excavation And Fill



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 23 16 36-0016 Backfilling <small>(31 23 16 36)</small> Note: For building foundations and other structures with imported or stockpiled materials. Includes rough grading.		
31 23 16 36-0017 CY Backfilling Around Building Foundations And Other Structures By Skid-Steer Loader	3.32	
<i>For Up To 20, Add</i>	3.32	
<i>For >20 To 50, Add</i>	2.49	
<i>For >50 To 250, Add</i>	1.33	
<i>For >250 To 500, Add</i>	0.50	
31 23 16 36-0018 CY Backfilling Around Building Foundations And Other Structures By Hydraulic Excavator, Backhoe, Loader	3.96	
<i>For Up To 20, Add</i>	3.96	
<i>For >20 To 50, Add</i>	2.97	
<i>For >50 To 250, Add</i>	1.58	
<i>For >250 To 500, Add</i>	0.59	
31 23 16 36-0019 CY Backfilling Around Building Foundations And Other Structures By Hand.....	51.54	
31 23 16 36-0020 Compaction Of Fill Or Subbase <small>(31 23 16 36)</small> Note: For building foundations and other structures. See CSI section 31 23 23 23-0001 for compaction water.		
31 23 16 36-0021 CY Compaction Of Fill Or Subbase For Building Foundations and Other Structures by Vibratory Plate, Air Tamper, Etcetera	9.90	
<i>For Up To 20, Add</i>	9.90	
<i>For >20 To 50, Add</i>	7.43	
<i>For >50 To 250, Add</i>	3.96	
<i>For >250 To 500, Add</i>	1.49	
31 23 16 36-0022 CY Compaction Of Fill Or Subbase For Building Foundations and Other Structures by Hand	33.91	
31 23 16 36-0023 Grading <small>(31 23 16 36)</small> Note: For building foundations and other structures.		
31 23 16 36-0024 SY Rough Grading For Building Foundations And Other Structures by Machine	0.85	
31 23 16 36-0025 SY Finish Grading For Building Foundations And Other Structures by Machine	1.37	
31 23 16 36-0026 SY Finish Grading For Building Foundations And Other Structures by Hand	10.02	
31 23 16 36-0027 Loading Excess Material For Removal From Excavation <small>(31 23 16 36)</small> Note: For building foundations and other structures. Includes hand work by laborer for clean-up. Not to be used when excavated material can be loaded directly into truck instead of stock-piling.		
31 23 16 36-0028 CY Load Excess Material For Removal From Excavation For Building Foundations and Other Structures by Machine	4.33	
<i>For Up To 20, Add</i>	4.33	
<i>For >20 To 50, Add</i>	3.25	
<i>For >50 To 250, Add</i>	1.73	
<i>For >250 To 500, Add</i>	0.65	
31 23 16 36-0029 CY Load Excess Material For Removal From Excavation For Building Foundations and Other Structures by Hand	79.37	
31 23 16 36-0030 Spread Material <small>(31 23 16 36)</small> Note: For building foundations and other structures.		
31 23 16 36-0031 CY Spread Excess Or Imported Material On Site By Machine	2.30	
<i>For Up To 20, Add</i>	2.30	
<i>For >20 To 50, Add</i>	1.73	
<i>For >50 To 250, Add</i>	0.92	
<i>For >250 To 500, Add</i>	0.35	
31 23 16 36-0032 CY Spread Excess Or Imported Material On Site By Hand	43.80	
31 23 16 43 Mass Excavation <small>(31 23 16)</small>		
31 23 16 43-0001 Mass Excavation By Dozer <small>(31 23 16 43)</small> Note: In CY/Hour and using 50 Min/Hour, +5% grade, average operator and material conversion factors. Pushed to stockpile area.		
31 23 16 43-0002 Dozing Distance Averages 150 Feet Push <small>(31 23 16 43-0001)</small>		
31 23 16 43-0003 Dozer With Blade, 65 HP, (D-3B) <small>(31 23 16 43-0002)</small>		
31 23 16 43-0004 BCY Mass Excavation, D-3B Dozer, Light Material 65 HP With Blade, 150' Push, 30 CY/Hour	5.42	
31 23 16 43-0005 BCY Mass Excavation, D-3B Dozer, Medium Material 65 HP With Blade, 150' Push, 25 CY/Hour	6.49	
31 23 16 43-0006 BCY Mass Excavation, D-3B Dozer, Wet/Loose Rock 65 HP With Blade, 150' Push 20 CY/Hour	8.12	
31 23 16 43-0007 Dozer With Blade, 90 HP, (D-4H) <small>(31 23 16 43-0002)</small>		
31 23 16 43-0008 BCY Mass Excavation, D-4H Dozer, Light Material 90 HP With Blade, 150' Push, 60 CY/Hour.....	2.66	
31 23 16 43-0009 BCY Mass Excavation, D-4H Dozer, Medium Material 90 HP With Blade, 150' Push, 45 CY/Hour.....	3.53	
31 23 16 43-0010 BCY Mass Excavation, D-4H Dozer, Wet/Loose Rock 90 HP With Blade, 150' Push, 35 CY/Hour	4.55	
31 23 16 43-0011 Dozer With Blade, 120 HP, (D-5H) <small>(31 23 16 43-0002)</small>		
31 23 16 43-0012 BCY Mass Excavation, D-5H Dozer, Light Material 120 HP With Blade, 150' Push, 85 CY/Hour.....	1.95	
31 23 16 43-0013 BCY Mass Excavation, D-5H Dozer, Medium Material 120 HP With Blade, 150' Push, 70 CY/Hour	2.37	
31 23 16 43-0014 BCY Mass Excavation, D-5H Dozer, Wet/Loose Rock 120 HP With Blade, 150' Push, 50 CY/Hour	3.32	
31 23 16 43-0015 Dozer With Blade, 140 HP, (D-6D) <small>(31 23 16 43-0002)</small>		
31 23 16 43-0016 BCY Mass Excavation, D-6D Dozer, Light Material 140 HP With Blade, 150' Push, 115 CY/Hour.....	1.68	
31 23 16 43-0017 BCY Mass Excavation, D-6D Dozer, Medium Material 140 HP With Blade, 150' Push, 90 CY/Hour	2.15	



Earthwork	31	15
Earth Moving	31 20	
Excavation And Fill	31 23	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 23 16 43-0018 BCY Mass Excavation, D-6D Dozer, Wet/Loose Rock 140 HP With Blade, 150' Push, 70 CY/Hour	2.76	
31 23 16 43-0019 Dozer With U-Blade, 200 HP, (D-7G) <small>(31 23 16 43-0002)</small>		
31 23 16 43-0020 BCY Mass Excavation, D-7G Dozer, Light Material 200 HP With U-Blade, 150' Push, 185 CY/Hour	1.12	
31 23 16 43-0021 BCY Mass Excavation, D-7G Dozer, Medium Material 200 HP With U-Blade 150' Push, 150 CY/Hour	1.37	
31 23 16 43-0022 BCY Mass Excavation, D-7G Dozer, Wet/Loose Rock 200 HP With U-Blade, 150' Push, 115 CY/Hour	1.79	
31 23 16 43-0023 BCY Mass Excavation, D-7G Dozer, Blasted Rock 200 HP With U-Blade, 150' Push, 90 CY/Hour	2.28	
31 23 16 43-0024 Dozer With U-Blade, 335 HP, (D-8L) <small>(31 23 16 43-0002)</small>		
31 23 16 43-0025 BCY Mass Excavation, D-8L Dozer, Light Material 335 HP With U-Blade, 150' Push, 290 CY/Hour	0.91	
31 23 16 43-0026 BCY Mass Excavation, D-8L Dozer, Medium Material 335 HP With U-Blade 150' Push, 235 CY/Hour	1.12	
31 23 16 43-0027 BCY Mass Excavation, D-8L Dozer, Wet/Loose Rock 335 HP With U-Blade, 150' Push, 180 CY/Hour	1.47	
31 23 16 43-0028 BCY Mass Excavation, D-8L Dozer, Blasted Rock 335 HP With U-Blade, 150' Push, 145 CY/Hour	1.83	
31 23 16 43-0029 Dozer With U-Blade, 460 HP, (D-9L) <small>(31 23 16 43-0002)</small>		
31 23 16 43-0030 BCY Mass Excavation, D-9L Dozer, Light Material 460 HP With U-Blade, 150' Push, 375 CY/Hour	0.68	
31 23 16 43-0031 BCY Mass Excavation, D-9L Dozer, Medium Material 460 HP With U-Blade 150' Push, 300 CY/Hour	0.84	
31 23 16 43-0032 BCY Mass Excavation, D-9L Dozer, Wet/Loose Rock 460 HP With U-Blade, 150' Push, 230 CY/Hour	1.11	
31 23 16 43-0033 BCY Mass Excavation, D-9L Dozer, Blasted Rock 460 HP With U-Blade, 150' Push, 185 CY/Hour	1.38	
31 23 16 43-0034 Dozer With U-Blade, 700 HP, (D-10) <small>(31 23 16 43-0002)</small>		
31 23 16 43-0035 BCY Mass Excavation, D-10 Dozer, Light Material 700 HP With U-Blade, 150' Push, 495 CY/Hour	0.56	
31 23 16 43-0036 BCY Mass Excavation, D-10 Dozer, Medium Material 700 HP With U-Blade 150' Push, 400 CY/Hour	0.70	
31 23 16 43-0037 BCY Mass Excavation, D-10 Dozer, Wet/Loose Rock 700 HP With U-Blade, 150' Push, 305 CY/Hour	0.91	
31 23 16 43-0038 BCY Mass Excavation, D-10 Dozer, Blasted Rock 700 HP With U-Blade, 150' Push, 245 CY/Hour	1.13	
31 23 16 43-0039 Dozing Distance Averages 300 Feet Push <small>(31 23 16 43-0001)</small>		
31 23 16 43-0040 Dozer With Blade, 65 HP, (D-3B) <small>(31 23 16 43-0039)</small>		
31 23 16 43-0041 BCY Mass Excavation, D-3B Dozer, Light Material 65 HP With Blade, 12.5 CY/Hour, 300' Push	13.00	
31 23 16 43-0042 BCY Mass Excavation, D-3B Dozer, Medium Material 65 HP With Blade, 10 CY/Hour, 300' Push	16.25	
31 23 16 43-0043 Dozer With Blade, 90 HP, (D-4H) <small>(31 23 16 43-0039)</small>		
31 23 16 43-0044 BCY Mass Excavation, D-4H Dozer, Light Material 90 HP With Blade, 20 CY/Hour, 300' Push	7.96	
31 23 16 43-0045 BCY Mass Excavation, D-4H Dozer, Medium Material 90 HP With Blade, 17.5 CY/Hour, 300' Push	9.10	
31 23 16 43-0046 BCY Mass Excavation, D-4H Dozer, Loose Rock 90 HP With Blade, 15 CY/Hour, 300' Push	10.61	
31 23 16 43-0047 Dozer With Blade, 120 HP, (D-5H) <small>(31 23 16 43-0039)</small>		
31 23 16 43-0048 BCY Mass Excavation, D-5H Dozer, Light Material 120 HP With Blade, 35 CY/Hour, 300' Push	4.75	
31 23 16 43-0049 BCY Mass Excavation, D-5H Dozer, Medium Material 120 HP With Blade, 30 CY/Hour, 300' Push	5.54	
31 23 16 43-0050 BCY Mass Excavation, D-5H Dozer, Loose Rock 120 HP With Blade, 25 CY/Hour, 300' Push	6.64	
31 23 16 43-0051 Dozer With Blade, 140 HP, (D-6D) <small>(31 23 16 43-0039)</small>		
31 23 16 43-0052 BCY Mass Excavation, D-6D Dozer, Light Material 140 HP With Blade, 55 CY/Hour, 300' Push	3.51	
31 23 16 43-0053 BCY Mass Excavation, D-6D Dozer, Medium Material 140 HP With Blade, 45 CY/Hour, 300' Push	4.30	
31 23 16 43-0054 BCY Mass Excavation, D-6D Dozer, Loose Rock 140 HP With Blade, 35 CY/Hour, 300' Push	5.53	
31 23 16 43-0055 Dozer With U-Blade, 200 HP, (D-7G) <small>(31 23 16 43-0039)</small>		
31 23 16 43-0056 BCY Mass Excavation, D-7G Dozer, Light Material 200 HP With U-Blade, 85 CY/Hour, 300' Push	2.42	
31 23 16 43-0057 BCY Mass Excavation, D-7G Dozer, Medium Material 200 HP With U-Blade 65 CY/Hour, 300' Push	3.16	
31 23 16 43-0058 BCY Mass Excavation, D-7G Dozer, Loose Rock 200 HP With U-Blade, 50 CY/Hour, 300' Push	4.11	
31 23 16 43-0059 BCY Mass Excavation, D-7G Dozer, Blasted Rock 200 HP With U-Blade, 40 CY/Hour, 300' Push	5.14	
31 23 16 43-0060 Dozer With U-Blade, 335 HP, (D-8L) <small>(31 23 16 43-0039)</small>		
31 23 16 43-0061 BCY Mass Excavation, D-8L Dozer, Light Material 335 HP With U-Blade, 145 CY/Hour, 300' Push	1.83	
31 23 16 43-0062 BCY Mass Excavation, D-8L Dozer, Medium Material 335 HP With U-Blade 115 CY/Hour, 300' Push	2.31	
31 23 16 43-0063 BCY Mass Excavation, D-8L Dozer, Loose Rock 335 HP With U-Blade, 90 CY/Hour, 300' Push	2.94	
31 23 16 43-0064 BCY Mass Excavation, D-8L Dozer, Blasted Rock 335 HP With U-Blade, 70 CY/Hour, 300' Push	3.78	
31 23 16 43-0065 Dozer With U-Blade, 460 HP, (D-9L) <small>(31 23 16 43-0039)</small>		
31 23 16 43-0066 BCY Mass Excavation, D-9L Dozer, Light Material 460 HP With U-Blade, 195 CY/Hour, 300' Push	1.31	
31 23 16 43-0067 BCY Mass Excavation, D-9L Dozer, Medium Material 460 HP With U-Blade 160 CY/Hour, 300' Push	1.59	
31 23 16 43-0068 BCY Mass Excavation, D-9L Dozer, Loose Rock 460 HP With U-Blade, 120 CY/Hour, 300' Push	2.12	
31 23 16 43-0069 BCY Mass Excavation, D-9L Dozer, Blasted Rock 460 HP With U-Blade, 95 CY/Hour, 300' Push	2.68	
31 23 16 43-0070 Dozer With U-Blade, 700 HP, (D-10) <small>(31 23 16 43-0039)</small>		
31 23 16 43-0071 BCY Mass Excavation, D-10 Dozer, Light Material 700 HP With U-Blade, 275 CY/Hour, 300' Push	1.01	

31 Earthwork**31 20 Earth Moving****31 23 Excavation And Fill**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 23 16 43-0072 BCY Mass Excavation, D-10 Dozer, Medium Material 700 HP With U-Blade 220 CY/Hour, 300' Push.....	1.26	
31 23 16 43-0073 BCY Mass Excavation, D-10 Dozer, Loose Rock 700 HP With U-Blade, 170 CY/Hour, 300' Push.....	1.63	
31 23 16 43-0074 BCY Mass Excavation, D-10 Dozer, Blasted Rock 700 HP With U-Blade, 135 CY/Hour, 300' Push.....	2.05	
31 23 16 43-0075 Dozing Distance Averages 450 Feet Push (31 23 16 43-0001)		
31 23 16 43-0076 Dozer With U-Blade, 215 HP, (D-7G) (31 23 16 43-0075)		
31 23 16 43-0077 BCY Mass Excavation, D-7G Dozer, Light Material 215 HP With U-Blade, 75 CY/Hour, 450' Push.....	2.74	
31 23 16 43-0078 BCY Mass Excavation, D-7G Dozer, Medium Material 215 HP With U-Blade 60 CY/Hour, 450' Push.....	3.43	
31 23 16 43-0079 BCY Mass Excavation, D-7G Dozer, Loose Rock 215 HP With U-Blade, 45 CY/Hour, 450' Push.....	4.57	
31 23 16 43-0080 BCY Mass Excavation, D-7G Dozer, Blasted Rock 215 HP With U-Blade, 35 CY/Hour, 450' Push.....	5.88	
31 23 16 43-0081 Dozer With U-Blade, 335 HP, (D-8L) (31 23 16 43-0075)		
31 23 16 43-0082 BCY Mass Excavation, D-8L Dozer, Light Material 335 HP With U-Blade, 105 CY/Hour, 450' Push.....	2.52	
31 23 16 43-0083 BCY Mass Excavation, D-8L Dozer, Medium Material 335 HP With U-Blade 85 CY/Hour, 450' Push.....	3.11	
31 23 16 43-0084 BCY Mass Excavation, D-8L Dozer, Loose Rock 335 HP With U-Blade, 65 CY/Hour, 450' Push.....	4.08	
31 23 16 43-0085 BCY Mass Excavation, D-8L Dozer, Blasted Rock 335 HP With U-Blade, 50 CY/Hour, 450' Push.....	5.30	
31 23 16 43-0086 Dozer With U-Blade, 460 HP, (D-9L) (31 23 16 43-0075)		
31 23 16 43-0087 BCY Mass Excavation, D-9L Dozer, Light Material 460 HP With U-Blade, 145 CY/Hour, 450' Push.....	1.75	
31 23 16 43-0088 BCY Mass Excavation, D-9L Dozer, Medium Material 460 HP With U-Blade 115 CY/Hour, 450' Push.....	2.22	
31 23 16 43-0089 BCY Mass Excavation, D-9L Dozer, Loose Rock 460 HP With U-Blade, 90 CY/Hour, 450' Push.....	2.83	
31 23 16 43-0090 BCY Mass Excavation, D-9L Dozer, Blasted Rock 460 HP With U-Blade, 70 CY/Hour, 450' Push.....	3.63	
31 23 16 43-0091 Dozer With U-Blade, 700 HP, (D-10) (31 23 16 43-0075)		
31 23 16 43-0092 BCY Mass Excavation, D-10 Dozer, Light Material 700 HP With U-Blade, 185 CY/Hour, 450' Push.....	1.50	
31 23 16 43-0093 BCY Mass Excavation, D-10 Dozer, Medium Material 700 HP With U-Blade 150 CY/Hour, 450' Push.....	1.85	
31 23 16 43-0094 BCY Mass Excavation, D-10 Dozer, Loose Rock 700 HP With U-Blade, 115 CY/Hour, 450' Push.....	2.41	
31 23 16 43-0095 BCY Mass Excavation, D-10 Dozer, Blasted Rock 700 HP With U-Blade, 90 CY/Hour, 450' Push.....	3.08	
31 23 16 43-0096 Excavation By Push Loaded Scraper (31 23 16 43)		
Note: Choose scraper capacity and cycle time.		
31 23 16 43-0097 Self Propelled Scraper Capacity 9 BCY (31 23 16 43-0096)		
31 23 16 43-0098 BCY Excavation With Push Loaded Self Propelled Scraper 9 BCY, 9 Cycles Per Hour.....	3.15	
31 23 16 43-0099 Self Propelled Scraper Capacity 16 BCY (31 23 16 43-0096)		
31 23 16 43-0100 BCY Excavation With Push Loaded Self Propelled Scraper 16 BCY, 9 Cycles Per Hour.....	2.17	
31 23 16 43-0101 BCY Excavation With Push Loaded Self Propelled Scraper 16 BCY, 6 Cycles Per Hour.....	3.27	
31 23 16 43-0102 BCY Excavation With Push Loaded Self Propelled Scraper 16 BCY, 4.5 Cycles Per Hour.....	4.89	
31 23 16 43-0103 BCY Roadway Excavation Scraper - Soil.....	2.21	
31 23 16 43-0104 BCY Roadway Excavation Scraper - Sand.....	9.09	
31 23 16 43-0105 BCY Roadway Excavation Scraper - Rock Borrow.....	12.28	
31 23 16 43-0106 BCY Roadway Excavation Scraper - Rock No Borrow.....	8.44	
31 23 16 43-0107 Self Propelled Scraper Capacity 25 BCY (31 23 16 43-0096)		
31 23 16 43-0108 BCY Excavation With Push Loaded Self Propelled Scraper 25 BCY, 9 Cycles Per Hour.....	1.40	
31 23 16 43-0109 BCY Excavation With Push Loaded Self Propelled Scraper 25 BCY, 6 Cycles Per Hour.....	2.11	
31 23 16 43-0110 BCY Excavation With Push Loaded Self Propelled Scraper 25 BCY, 4.5 Cycles Per Hour.....	2.49	
31 23 16 43-0111 Self Propelled Scraper Capacity 35 BCY (31 23 16 43-0096)		
31 23 16 43-0112 BCY Excavation With Push Loaded Self Propelled Scraper 35 BCY, 9 Cycles Per Hour.....	1.06	
31 23 16 43-0113 BCY Excavation With Push Loaded Self Propelled Scraper 35 BCY, 6 Cycles Per Hour.....	1.59	
31 23 16 43-0114 BCY Excavation With Push Loaded Self Propelled Scraper 35 BCY, 4.5 Cycles Per Hour.....	2.15	
31 23 16 43-0115 Self Propelled Scraper Capacity 43 BCY (31 23 16 43-0096)		
31 23 16 43-0116 BCY Excavation With Push Loaded Self Propelled Scraper 43 BCY, 9 Cycles Per Hour.....	0.85	
31 23 16 43-0117 BCY Excavation With Push Loaded Self Propelled Scraper 43 BCY, 6 Cycles Per Hour.....	1.28	
31 23 16 43-0118 BCY Excavation With Push Loaded Self Propelled Scraper 43 BCY, 4.5 Cycles Per Hour.....	1.62	
31 23 16 46 Excavation Operations To Expose Underground Pipes And Structures (31 23 16)		
Note: Includes work above, beside and under pipe. Pipes up to 82" in diameter. Use this section for trenching operations even if the total project volume exceeds 500 CY. Use tasks for work by hand only for areas not accessible by machine. See CSI section 31 23 16 13-0015 for loading excess material, 31 23 16 13-0018 for spreading excess material.		
31 23 16 46-0001 Excavation To Expose Underground Pipe Or Structures (31 23 16 46)		
Note: Includes stockpiling excess materials and trimming sides and bottom of trench. Excludes rock breaking.		
31 23 16 46-0002 Excavation By Machine To Expose Underground Pipe Or Structure (31 23 16 46-0001)		



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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 23 16 46-0003 CY Excavation By Hydraulic Excavator, Backhoe, Loader in Soil/Common Excavation To Expose Underground Pipes And Structures.....	10.24	
For Excavation In Light Material (Class A), Deduct	-1.28	
For Excavation In Heavy/Wet Material (Class C), Add	4.10	
For Up To 20, Add	10.24	
For >20 To 50, Add	7.68	
For >50 To 250, Add	4.10	
For >250 To 500, Add	1.54	
31 23 16 46-0004 CY Excavation By Hydraulic Excavator, Backhoe, Loader in Loose Rock To Expose Underground Pipes And Structures.....	12.15	
For Up To 20, Add	12.15	
For >20 To 50, Add	9.11	
For >50 To 250, Add	4.86	
For >250 To 500, Add	1.82	
31 23 16 46-0005 Excavation By Hand To Expose Underground Pipe Or Structure (31 23 16 46-0001)		
31 23 16 46-0006 CY Excavation By Hand In Soil To Expose Underground Pipes And Structures.....	135.28	
Note: Includes stockpiling excess materials and trimming sides and bottom of trench.		
31 23 16 46-0007 CY Excavation By Hand In Loose Rock To Expose Underground Pipes And Structures.....	202.03	
Note: Includes stockpiling excess materials and trimming sides and bottom of trench.		
31 23 16 46-0008 Backfilling Or Placing Subbase At Exposed Underground Pipe Or Structures (31 23 16 46)		
Note: With imported or stockpiled materials		
31 23 16 46-0009 CY Backfilling By Hydraulic Excavator, Backhoe, Loader At Exposed Underground Pipes And Structures.....	7.68	
For Up To 20, Add	5.76	
For >20 To 50, Add	3.07	
For >50 To 250, Add	1.15	
31 23 16 46-0010 CY Backfilling by Hand At Exposed Underground Pipes And Structures.....	61.33	
31 23 16 46-0011 Compaction Of Fill Or Subbase At Exposed Underground Pipe Or Structures (31 23 16 46)		
Note: With imported or stockpiled materials		
31 23 16 46-0012 CY Compaction of Fill or Subbase by Mechanical Means At Exposed Underground Pipe Or Structures.....	12.49	
For Up To 20, Add	12.49	
For >20 To 50, Add	9.37	
For >50 To 250, Add	5.00	
For >250 To 500, Add	1.87	
31 23 16 46-0013 CY Compaction of Fill or Subbase by Hand At Exposed Underground Pipe Or Structures.....	40.70	
31 23 19 Dewatering (31 23)		
31 23 19 00-0001 Well Point Dewatering System (31 23 19)		
31 23 19 00-0002 Delivery, Installation And Removal Cost (31 23 19 00-0001)		
Note: Priced by linear foot of header used.		
31 23 19 00-0003 LF Up To 100' In Length Well Point System Delivery, Installation And Removal.....	101.92	
31 23 19 00-0004 LF >100' To 250' In Length Well Point System Delivery, Installation And Removal.....	56.05	
31 23 19 00-0005 LF >250' To 500' In Length Well Point System Delivery, Installation And Removal.....	50.95	
31 23 19 00-0006 LF >250' To 500' In Length Well Point System Delivery, Installation And Removal.....	45.86	
31 23 19 00-0007 LF >500' To 1,000' In Length Well Point System Delivery, Installation And Removal.....	40.76	
31 23 19 00-0008 LF >1,000' In Length Well Point System Delivery, Installation And Removal.....	35.67	
31 23 19 00-0009 Well Point Dewatering System Rental (31 23 19 00-0001)		
Note: Includes all necessary equipment for a well point system (well point with risers, pump, valves, header pipe, discharge pipe, etc.). Use normal adjustment factor only for rental tasks and modifiers. Unit of measure and modifier quantities are based on linear feet of header per day (ex. 200 ft of header for four days - quantity should be 200x4 or 800 ft). Rental days include weekends, when appropriate, regardless if the system is operational during that time. Use weekly modifier for system use of five days to less than a month. Use monthly modifier for system use of one month or greater. See CSI section 31 23 19 00-0002 for installation, 31 23 19 00-0015 for operational costs.		
31 23 19 00-0010 LFD Up To 100' In Length Well Point System Rental (LF x Days = Quantity).....	1.10	
For >5 Days And <1 Month, Deduct	-0.24	
For >1 Month, Deduct	-0.31	
31 23 19 00-0011 LFD >100' To 250' In Length Well Point System Rental (LF x Days = Quantity).....	0.64	
For >5 Days And <1 Month, Deduct	-0.14	
For >1 Month, Deduct	-0.18	
31 23 19 00-0012 LFD >250' To 500' In Length Well Point System Rental (LF x Days = Quantity).....	0.46	
For >5 Days And <1 Month, Deduct	-0.10	
For >1 Month, Deduct	-0.13	
31 23 19 00-0013 LFD >500' To 1,000' In Length Well Point System Rental (LF x Days = Quantity).....	0.34	
For >5 Days And <1 Month, Deduct	-0.07	
For >1 Month, Deduct	-0.10	
31 23 19 00-0014 LFD >1,000' In Length Well Point System Rental (LF x Days = Quantity).....	0.31	
For >5 Days And <1 Month, Deduct	-0.07	
For >1 Month, Deduct	-0.09	

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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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31 23 19 00-0015 Well Point Dewatering System Operation Costs (31 23 19 00-0001)
 Note: The quantity for operation shall be the total number of hours the well point system is operational.
 31 23 19 00-0016 HR Operation Costs112.80

31 23 23 Fill (31 23)

31 23 23 23 Compaction (31 23 23)

31 23 23 23-0001 Compaction Water, Water Truck And Operator (31 23 23 23)
 31 23 23 23-0002 MGL Compaction Water, Water Truck And Operator149.87
 Note: Use this task in situations where fill, base material, etc. requires additional moisture to comply with the compaction specification. Includes delivery up to 15 miles. (Per 1000 Gallons) See CSI section 01 22 23 00-1066 for water truck when water is available on site.

31 24 Embankments (31 24)

31 24 13 Roadway Embankments (31 24)

31 24 13 00-0001 Roadway, Parking Areas, Landscaping And Embankment Excavation And Shaping Operations (31 24 13)
 Note: Use this section for excavation and shaping operations even if the total quantity for the project exceeds 500 CY. See CSI section 31 05 16 00-0000 for imported material, 32 12 16 00-0000 for asphalt paving, 32 13 13 00-0000 for concrete paving.

31 24 13 00-0002 Cutting, Shaping And Rough Grading (31 24 13 00-0001)
 Note: For roadways, parking areas, landscaping, and embankments. Includes loading or stockpiling excess materials within 300' of initial cut.

31 24 13 00-0003 Cutting, Shaping, And Rough Grading By Machine (31 24 13 00-0002)
 31 24 13 00-0004 CY Cut, Shape, and Rough Grading for Roadways, Parking Areas, Landscaping and Embankments by Machine in Soil4.94
For Up To 20, Add 4.94
For >20 To 50, Add 3.71
For >50 To 250, Add 1.98
For >250 To 500, Add 0.74
For >1,000, Deduct -0.74

31 24 13 00-0005 CY Cut, Shape, and Rough Grading for Roadways, Parking Areas, Landscaping and Embankments by Machine in Loose Rock6.12
For Up To 20, Add 6.12
For >20 To 50, Add 4.59
For >50 To 250, Add 2.45
For >250 To 500, Add 0.92
For >1,000, Deduct -0.92

31 24 13 00-0006 Cutting, Shaping, And Rough Grading By Hand (31 24 13 00-0002)
 31 24 13 00-0007 SY Shape Embankment/Slope By Hand Up To 1 On 4 Slope5.55
 31 24 13 00-0008 SY Shape Embankment/Slope By Hand Greater Than 1 On 4 Slope7.21

31 24 13 00-0009 Scarify Soil (31 24 13 00-0001)
 Note: For roadways, parking areas, landscaping and embankments by machine.
 31 24 13 00-0010 CSF Scarify Soil For Roadways, Parking Areas, Landscaping And Embankments By Machine4.57
For Up To 20, Add 2.29
For >20 To 50, Add 1.14
For >250 To 500, Deduct -0.46
For >500, Deduct -0.91

31 24 13 00-0011 Relocating On Site Excavated Material (31 24 13 00-0001)
 31 24 13 00-0012 CY >500' To 1,000', Relocating On Site Excavated Material For Roadways, Parking Areas, Landscaping And Embankments8.88
For Up To 20, Add 8.88
For >20 To 50, Add 6.66
For >50 To 250, Add 3.55
For >250 To 500, Add 1.33
For >1,000, Deduct -1.33
 31 24 13 00-0013 CY >1,000', Relocating On Site Excavated Material For Roadways, Parking Areas, Landscaping And Embankments11.84
For Up To 20, Add 11.84
For >20 To 50, Add 8.88
For >50 To 250, Add 4.74
For >250 To 500, Add 1.78
For >1,000, Deduct -1.78

31 24 13 00-0014 Spread And Shape Imported Or Stockpiled Material (31 24 13 00-0001)
 Note: For roadways, parking areas, landscaping and embankments.



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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 24 13 00-0015 CY Spread And Shape Imported Or Stockpiled Material For Roadways, Parking Areas, Landscaping and Embankments.....	5.43	
<i>For Up To 20, Add</i>	5.43	
<i>For >20 To 50, Add</i>	4.07	
<i>For >50 To 250, Add</i>	2.17	
<i>For >250 To 500, Add</i>	0.81	
<i>For >1,000, Deduct</i>	-0.81	
31 24 13 00-0016 Grading <small>(31 24 13 00-0001)</small>		
<i>Note: For roadways, parking areas, landscaping and embankments by machine.</i>		
31 24 13 00-0017 SY Rough Grade Roadway, Parking Areas, Landscaping And Embankments By Machine.....	0.58	
31 24 13 00-0018 SY Finish Grade Roadway, Parking Areas, Landscaping And Embankments By Machine.....	0.78	
31 24 13 00-0019 LF Finish Grade For Curb.....	0.87	
31 24 13 00-0020 LF Finish Grade For Curb And Gutter.....	1.07	
31 24 13 00-0021 Compaction Of Fill Or Subbase <small>(31 24 13 00-0001)</small>		
<i>Note: For roadways, parking areas, landscaping and embankments by machine, per lift.</i>		
31 24 13 00-0022 SY Compaction Of Fill Or Subbase For Roadways, Parking Areas, Landscaping And Embankments By Machine Per Lift.....	0.51	
<i>For Up To 250, Add</i>	0.51	
<i>For >250 To 500, Add</i>	0.38	
<i>For >500 To 1,000, Add</i>	0.20	
<i>For >5,000, Deduct</i>	-0.08	
31 24 13 00-0023 Loading Excess Material For Removal From Excavation <small>(31 24 13 00-0001)</small>		
<i>Note: For roadways, parking areas, landscaping and embankments by machine. Includes hand work by laborer for clean-up.</i>		
31 24 13 00-0024 CY Load Excess Material For Removal For Roadways, Parking Areas, Landscaping and Embankments by Machine.....	4.15	
<i>For Up To 20, Add</i>	4.15	
<i>For >20 To 50, Add</i>	3.11	
<i>For >50 To 250, Add</i>	1.66	
<i>For >250 To 500, Add</i>	0.62	
<i>For >1,000, Deduct</i>	-0.62	
31 25 Erosion And Sedimentation Controls <small>(31 20)</small>		
31 25 14 Stabilization Measures For Erosion And Sedimentation Control <small>(31 25)</small>		
31 25 14 13 Hydraulically-Applied Erosion Control <small>(31 25 14)</small>		
31 25 14 13-0001 Bonded Fiber Matrix <small>(31 25 14 13)</small>		
31 25 14 13-0002 MSF Up To 25,000 SF Bonded Fiber Matrix, Hydraulically Applied.....	38.53	
31 25 14 13-0003 MSF >25,000 To 50,000 SF Bonded Fiber Matrix, Hydraulically Applied.....	34.90	
31 25 14 13-0004 MSF >50,000 To 100,000 SF Bonded Fiber Matrix, Hydraulically Applied.....	31.82	
31 25 14 13-0005 MSF >100,000 Bonded Fiber Matrix, Hydraulically Applied.....	30.05	
31 25 14 16 Rolled Erosion Control Mats And Blankets <small>(31 25 14)</small>		
<i>Note: Includes all staples and stakes for erosion control blankets and turf reinforcement mats.</i>		
31 25 14 16-0001 Erosion Control Blankets And Turf Reinforcement Mats <small>(31 25 14 16)</small>		
31 25 14 16-0002 Erosion Control Blankets, Short Term, Light Duty <small>(31 25 14 16-0001)</small>		
31 25 14 16-0003 SY S75 Single Net Erosion Control Blanket.....	1.40	
<i>Note: Straw matrix with degradable thread to a single standard photodegradable polypropylene netting as manufactured by North American Green.</i>		
31 25 14 16-0004 SY S75BN Single Net Erosion Control Blanket.....	1.64	
<i>Note: Straw Matrix with Biodegradable Thread to a Single Natural Fiber Netting as manufactured by North American Green.</i>		
31 25 14 16-0005 SY Curlex 1, Single Net Erosion Control Blanket.....	1.36	
<i>Note: As manufactured by American Excelsior</i>		
31 25 14 16-0006 SY Curlex 1, Single Net Erosion Control Blanket.....	1.40	
<i>Note: As manufactured by American Green.</i>		
31 25 14 16-0007 SY Futerra Erosion Control Blanket, Wood Fibers With Biodegradable Netting.....	1.30	
31 25 14 16-0008 Erosion Control Blankets, Intermediate Duration <small>(31 25 14 16-0001)</small>		
31 25 14 16-0009 SY S150 Double Net Erosion Control Blanket.....	1.76	
<i>Note: Straw matrix with degradable thread to a double standard photodegradable polypropylene netting as manufactured by North American Green.</i>		
31 25 14 16-0010 SY S150 BN Double Net Erosion Control Blanket.....	2.14	
<i>Note: Straw matrix with biodegradable thread to a double natural fiber netting as manufactured by North American Green.</i>		
31 25 14 16-0011 SY Curlex II, Double Net Erosion Control Blanket, Natural.....	1.58	
<i>Note: As manufactured by American Excelsior.</i>		
31 25 14 16-0012 SY Curlex II, Double Net Erosion Control Blanket, Green.....	1.62	
<i>Note: As manufactured by American Excelsior.</i>		
31 25 14 16-0013 SY Enforcer Double Net Erosion Control Blanket.....	1.69	
<i>Note: As manufactured by American Excelsior.</i>		

31 Earthwork**31 20 Earth Moving****31 25 Erosion And Sedimentation Controls**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 25 14 16-0014 Turf Reinforcement Mats (TRM) <small>(31 25 14 16-0001)</small> Note: Permanent, UV stabilized.		
31 25 14 16-0015 SY P300 Permanent Polypropylene Turf Reinforcement Mat.....	8.50	
Note: 100% synthetic, UV stabilized, two layer netting.		
31 25 14 16-0016 SY C350 Permanent Turf Reinforcement Mat.....	7.91	
Note: 100% synthetic, UV stabilized netting incorporating natural coconut fibers as manufactured by North American Green.		
31 25 14 16-0017 SY Recyclex TRM, Permanent Turf Reinforcement Mat.....	6.59	
Note: As manufactured by American Excelsior, 100% recycled		
31 25 14 16-0018 Jute Mesh Erosion Control Blankets <small>(31 25 14 16-0001)</small>		
31 25 14 16-0019 SY Jute Mesh, Open Uniform Weave.....	1.49	
31 25 14 16-0020 Revegetation Mat <small>(31 25 14 16-0001)</small>		
31 25 14 16-0021 SY 3-Dimensional Webbed Revegetation Mat, Polyolefin Fiber.....	5.93	
Note: Polyolefin fibers oriented and mechanically bonded between two nets. Landlok TRM 450 or equal.		
31 25 14 16-0022 SY Webbed Revegetation Mat, Polypropylene Fiber.....	8.39	
Note: Polypropylene fibers positioned between two high strength biaxially oriented nets and mechanically held together by parallel stitching with polypropylene thread. Landlok TRM 1060 or equal.		
31 25 14 23 Stabilization Measures For Erosion Control <small>(31 25 14)</small> See CSI section 01 74 19 00-0038 for hauling greater than 15 miles.		
31 25 14 23-0001 Sand And Gravel Bags <small>(31 25 14 23)</small> Note: Bags filled on site with delivered material. Includes material and placement of bags.		
31 25 14 23-0002 BAG 50 LB Capacity Nylon Or Poly Sand Bag With Sand.....	5.51	2.28
For >2,500 To 5,000, Deduct	-0.46	
For >5,000, Deduct	-1.01	
31 25 14 23-0003 BAG 50 LB Capacity Biodegradable Burlap Sand Bag With Sand.....	5.77	
For >2,500 To 5,000, Deduct	-0.46	
For >5,000, Deduct	-1.03	
31 25 14 23-0004 BAG 33 LB Capacity Nylon Or Poly Bag With 5/16" To 3/4" Gravel.....	4.67	1.51
For >2,500 To 5,000, Deduct	-0.30	
For >5,000, Deduct	-0.77	
31 25 14 23-0005 Turbidity Curtain <small>(31 25 14 23)</small> Note: Type 2 curtain.		
31 25 14 23-0006 LF 3' High Turbidity Curtain.....	17.73	
31 25 14 23-0007 LF 4' High Turbidity Curtain.....	19.18	
31 25 14 23-0008 LF 5' High Turbidity Curtain.....	21.17	
31 25 14 23-0009 LF 6' High Turbidity Curtain.....	22.87	
31 25 14 23-0010 LF 7' High Turbidity Curtain.....	24.01	
31 25 14 23-0011 LF 8' High Turbidity Curtain.....	25.15	
31 25 14 23-0012 LF 9' High Turbidity Curtain.....	26.46	
31 25 14 23-0013 LF 10' High Turbidity Curtain.....	28.23	
31 25 14 23-0014 LF 12' High Turbidity Curtain.....	29.67	
31 25 14 23-0015 LF 13' High Turbidity Curtain.....	31.57	
31 25 14 23-0016 LF 14' High Turbidity Curtain.....	33.36	
31 25 14 23-0017 LF 15' High Turbidity Curtain.....	35.10	
31 25 14 23-0018 LF 16' High Turbidity Curtain.....	38.12	
31 25 14 23-0019 LF 17' High Turbidity Curtain.....	39.98	
31 25 14 23-0020 LF 18' High Turbidity Curtain.....	41.79	
31 25 14 23-0021 LF 19' High Turbidity Curtain.....	43.70	
31 25 14 23-0022 LF 20' High Turbidity Curtain.....	45.58	
31 25 14 23-0023 Filter Bags <small>(31 25 14 23)</small>		
31 25 14 23-0024 Non-Woven Filter Bags <small>(31 25 14 23-0023)</small>		
31 25 14 23-0025 EA 6' x 15' Non-Woven Filter Bag.....	131.80	
31 25 14 23-0026 EA 13' x 15' Non-Woven Filter Bag.....	189.94	
31 25 14 23-0027 EA 15' x 15' Non-Woven Filter Bag.....	219.29	
31 25 14 23-0028 Monofilament Filter Bags <small>(31 25 14 23-0023)</small>		
31 25 14 23-0029 EA 5' x 15' Monofilament Filter Bag.....	136.76	
31 25 14 23-0030 EA 10' x 15' Monofilament Filter Bag.....	188.44	
31 25 14 23-0031 Cable Articulating Concrete Block <small>(31 25 14 23)</small> Note: 4000 PSI Compressive strength, 12 LB/CF maximum absorption. Interlocking block with longitudinal reatment cable. Includes anchoring block to 12" x 12" x 6" concrete pier every 5' with anchor and filling cells with stockpiled material. Excludes site preparation and imported materials.		
31 25 14 23-0032 SF 4.75" Open Cell Articulated Concrete Block With Earth Backfill.....	33.85	
For Up To 500, Add	7.69	
For >500 To 1,000, Add	4.30	



Earthwork	31
Earth Moving	31 20
Erosion And Sedimentation Controls	31 25

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 25 14 23-0033 SF 6" Open Cell Articulated Concrete Block With Earth Backfill <i>For Up To 500, Add</i> <i>For >500 To 1,000, Add</i>	38.61 8.72 4.86	
31 25 14 23-0034 SF 7.5" Open Cell Articulated Concrete Block With Earth Backfill <i>For Up To 500, Add</i> <i>For >500 To 1,000, Add</i>	44.07 9.92 5.51	
31 25 14 23-0035 SF 9" Open Cell Articulated Concrete Block With Earth Backfill <i>For Up To 500, Add</i> <i>For >500 To 1,000, Add</i>	49.65 11.15 6.19	
31 25 14 23-0036 SF 4.75" Closed Cell Articulated Concrete Block <i>For Up To 500, Add</i> <i>For >500 To 1,000, Add</i>	36.19 8.16 4.54	
31 25 14 23-0037 SF 6" Closed Cell Articulated Concrete Block <i>For Up To 500, Add</i> <i>For >500 To 1,000, Add</i>	41.40 9.28 5.14	
31 25 14 23-0038 SF 7.5" Closed Cell Articulated Concrete Block <i>For Up To 500, Add</i> <i>For >500 To 1,000, Add</i>	47.37 10.58 5.84	
31 25 14 23-0039 SF 9" Closed Cell Articulated Concrete Block <i>For Up To 500, Add</i> <i>For >500 To 1,000, Add</i>	53.43 11.91 6.57	
 31 25 14 26 Stabilization Measures For Sedimentation Control (31 25 14)		
31 25 14 26-0001 Silt Fences And Dike Barriers (31 25 14 26) Note: Includes stakes and embedding.		
31 25 14 26-0002 Silt Fences 2' High (31 25 14 26-0001)		
31 25 14 26-0003 LF 2' High Silt Fence with Stakes at 4' On Center	2.30	
31 25 14 26-0004 LF 2' High Silt Fence with Stakes at 6' On Center	1.77	
31 25 14 26-0005 LF 2' High Silt Fence with Stakes at 8' On Center	1.25	
31 25 14 26-0006 LF 2' High Silt Fence with Stakes at 10' On Center	1.06	
31 25 14 26-0007 Silt Fences 3' High (31 25 14 26-0001)		
31 25 14 26-0008 LF 3' High Silt Fence with Stakes at 4' On Center	2.20	
31 25 14 26-0009 LF 3' High Silt Fence with Stakes at 6' On Center	1.82	
31 25 14 26-0010 LF 3' High Silt Fence with Stakes at 8' On Center	1.18	
31 25 14 26-0011 LF 3' High Silt Fence with Stakes at 10' On Center	1.10	
31 25 14 26-0012 Silt Dike Barrier (31 25 14 26-0001)		
31 25 14 26-0013 LF Silt Dike Barrier With Stakes.....	2.46	
31 25 14 26-0014 Silt Fences Removal (31 25 14 26-0001)		
31 25 14 26-0015 LF Removal Of Silt Fence And Stakes.....	0.72	
31 25 14 26-0016 Hay And Straw Bales (31 25 14 26) Note: Includes trench for placement, and stakes.		
31 25 14 26-0017 LF Place Sterilized Straw Bales..... Note: Includes securing in ground with stakes.	3.70	
31 25 14 26-0018 LF Place Hay Bales Note: Includes securing in ground with stakes.	3.48	
31 25 14 26-0019 LF Removal Of Hay Or Straw Bales Note: Includes removal of stakes.	1.28	
31 25 14 26-0020 Sediment Logs (Degradable) (31 25 14 26)		
31 25 14 26-0021 Sediment Logs (Degradable) (31 25 14 26-0020) Note: Includes stakes and removal after use. Curlex sediment logs as manufactured by American Excelsior.		
31 25 14 26-0022 LF 12" Sediment Log	6.68	
31 25 14 26-0023 LF 20" Sediment Log	7.75	
31 25 14 26-0024 Wattles (Degradable) (31 25 14 26-0020) Note: Includes trench for placement, 24" wood staking at 4' O.C.		
31 25 14 26-0025 EA Wattles (Sterile Straw Filled Rolls), 9" x 25'	124.77	
31 25 14 26-0026 EA Wattles (Sterile Straw Filled Rolls), 12" x 20'	116.35	
31 25 14 26-0027 Inlet Protection Sediment Bags (31 25 14 26) Note: Includes removal, cleaning, and replacement per each location.		
31 25 14 26-0028 EA 2' x 2' x 3' Inlet Protection Sediment Bag.....	42.93	
31 25 14 26-0029 EA 2' x 3' x 3' Inlet Protection Sediment Bag.....	52.77	
31 25 14 26-0030 EA 2' x 4' x 3' Inlet Protection Sediment Bag.....	64.03	

31 30 Earthwork Methods (31)

31	31 Earthwork
	31 30 Earthwork Methods
	31 31 Soil Treatment



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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31 31 Soil Treatment <small>(31 30)</small>		
31 31 16 Termite Control <small>(31 31)</small>		
31 31 16 13 Chemical Termite Control <small>(31 31 16)</small>		
31 31 16 13-0001 Commercial Use <small>(31 31 16 13)</small>		
31 31 16 13-0002 SF	Termite Pretreatment, Commercial Soil Poisoning Under Slab	0.69
31 31 16 13-0003 SF	Termite Pretreatment, Commercial Slab And Walls.....	0.69
31 31 16 13-0004 Residential Use <small>(31 31 16 13)</small>		
31 31 16 13-0005 SF	Termite Pretreatment, Residential General Spraying Walls And Slab	0.70
31 31 16 13-0006 SF	Termite Treatment, Existing Residential Structure.....	0.97
31 31 19 Vegetation Control <small>(31 31)</small>		
31 31 19 13 Chemical Vegetation Control <small>(31 31 19)</small>		
31 31 19 13-0001 Soil Sterilants <small>(31 31 19 13)</small>		
31 31 19 13-0002 MSF	Soil Sterilant.....	18.90
	<small>Note: Use only in areas where complete control of all vegetation is desired, such as industrial sites, right-of-way, lumberyards, petroleum tank farms, around farm buildings, along fence lines, etc. When applied to the soil, this product usually inhibits plant growth for a year or more.</small>	
	<i>For >45 To 90, Deduct</i>	-0.36
	<i>For >90 To 225, Deduct</i>	-1.67
	<i>For >225, Deduct</i>	-2.40
31 32 Soil Stabilization <small>(31 30)</small>		
31 32 13 Soil Mixing Stabilization <small>(31 32)</small>		
31 32 13 16 Cement Soil Stabilization <small>(31 32 13)</small>		
31 32 13 16-0001 Cementitious Soil Binder <small>(31 32 13 16)</small>		
31 32 13 16-0002 CY	Cementitious Soil Binder, 4% Cement Mix By Volume	30.52
31 32 13 16-0003 CY	Cementitious Soil Binder, 5% Cement Mix By Volume	33.42
31 32 13 16-0004 CY	Cementitious Soil Binder, 6% Cement Mix By Volume	35.65
31 32 13 16-0005 CY	Cementitious Soil Binder, 7% Cement Mix By Volume	38.44
31 32 13 16-0006 CY	Cementitious Soil Binder, 9% Cement Mix By Volume	44.10
31 32 13 16-0007 CY	Cementitious Soil Binder, 12% Cement Mix By Volume	52.42
31 32 13 19 Lime Soil Stabilization <small>(31 32 13)</small>		
	<small>Note: Includes delivery up to 15 miles from the closest approved source, the cost for loading, and dumping. The price excludes the cost for spreading or backfilling. See CSI section 01 74 19 00-0038 for hauling greater than 15 miles.</small>	
31 32 13 19-0001 Lime Slurry <small>(31 32 13 19)</small>		
31 32 13 19-0002 LCY	Soil Stabilization With Lime Slurry 10% Lime Slurry By Volume.....	26.27
31 32 13 19-0003 TON	Cement Stabilized Base Material.....	109.60
31 32 13 19-0004 CWT	Lime For Soil Stabilization	18.10
	<small>Note: Excludes the cost for spreading or backfilling</small>	
31 32 13 19-0005 LCY	Roller, Grader - Lime Stabilization	12.41
31 32 13 19-0006 LCY	Roller, Grader - Cement Stabilization	2.90
31 32 13 19-0007 Lime Stabilized Subgrade <small>(31 32 13 19)</small>		
	<small>Note: Based on soil weight of 110 LB/CF using lime weight of 5.5 LB/CF (5%).</small>	
31 32 13 19-0008 SY	6" Thick Lime Stabilized Subgrade, 25 LB.....	10.21
	<i>For 4% Lime Instead Of 5%, Deduct</i>	-0.32
	<i>For 6% Lime Instead Of 5%, Add</i>	0.32
31 32 13 19-0009 SY	7" Thick Lime Stabilized Subgrade, 29 LB.....	11.83
	<i>For 4% Lime Instead Of 5%, Deduct</i>	-0.37
	<i>For 6% Lime Instead Of 5%, Add</i>	0.37
31 32 13 19-0010 SY	8" Thick Lime Stabilized Subgrade, 33 LB.....	13.49
	<i>For 4% Lime Instead Of 5%, Deduct</i>	-0.42
	<i>For 6% Lime Instead Of 5%, Add</i>	0.42
31 32 13 29 Liquid Soil Stabilization <small>(31 32 13)</small>		
31 32 13 29-0001 GAL	Polyacrylamide And Calcium Solution	2.29
31 32 19 Geosynthetic Soil Stabilization And Layer Separation <small>(31 32)</small>		
31 32 19 13 Geogrid Soil Stabilization <small>(31 32 19)</small>		
31 32 19 13-0001 Geogrid Fabrics <small>(31 32 19 13)</small>		
	<small>Note: For reinforcement of over steepened earth slopes, segmental retaining walls and other mechanically stabilized earth applications.</small>	



Earthwork	31	13
Earthwork Methods	31 30	
Soil Stabilization	31 32	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 32 19 13-0002 SY 5.3 Oz/SY, 1,700 LB/FT Wide Width Tensile Ultimate Bi-Directional Woven Polyester Geogrid Fabric (Carthage Mills GX-150).....	2.24	
<i>For Up To 50, Add</i>	0.54	
<i>For >50 To 150, Add</i>	0.40	
<i>For >150 To 250, Add</i>	0.25	
<i>For >250 To 500, Add</i>	0.13	
31 32 19 13-0003 SY 6.9 Oz/SY, 3,100 LB/FT Wide Width Tensile Ultimate Bi-Directional Woven Polyester Geogrid Fabric (Carthage Mills GX-300).....	2.54	
<i>For Up To 50, Add</i>	0.60	
<i>For >50 To 150, Add</i>	0.44	
<i>For >150 To 250, Add</i>	0.29	
<i>For >250 To 500, Add</i>	0.14	
31 32 19 13-0004 SY 8.7 Oz/SY, 4,280 LB/FT Wide Width Tensile Ultimate Bi-Directional Woven Polyester Geogrid Fabric (Carthage Mills GX-500).....	2.77	
<i>For Up To 50, Add</i>	0.65	
<i>For >50 To 150, Add</i>	0.48	
<i>For >150 To 250, Add</i>	0.31	
<i>For >250 To 500, Add</i>	0.16	
31 32 19 13-0005 SY 12.6 Oz/SY, 7,315 LB/FT Wide Width Tensile Ultimate Bi-Directional Woven Polyester Geogrid Fabric (Carthage Mills GX-800).....	3.92	
<i>For Up To 50, Add</i>	0.89	
<i>For >50 To 150, Add</i>	0.66	
<i>For >150 To 250, Add</i>	0.43	
<i>For >250 To 500, Add</i>	0.21	
31 32 19 13-0006 SY 14.1 Oz/SY, 9,790 LB/FT Wide Width Tensile Ultimate Bi-Directional Woven Polyester Geogrid Fabric (Carthage Mills GX-1000).....	4.48	
<i>For Up To 50, Add</i>	1.00	
<i>For >50 To 150, Add</i>	0.74	
<i>For >150 To 250, Add</i>	0.48	
<i>For >250 To 500, Add</i>	0.24	
31 32 19 13-0007 SY 4.3 Oz/SY, 1,658 LB/FT Wide Width Tensile Ultimate Bi-Axial Extruded Polypropylene Geogrid Fabric (Carthage Mills Enkagrid Max 20)	2.28	
<i>For Up To 50, Add</i>	0.55	
<i>For >50 To 150, Add</i>	0.40	
<i>For >150 To 250, Add</i>	0.26	
<i>For >250 To 500, Add</i>	0.13	
31 32 19 13-0008 SY 5.9 Oz/SY, 2,192 LB/FT Wide Width Tensile Ultimate Bi-Axial Extruded Polypropylene Geogrid Fabric (Carthage Mills Enkagrid Max 30)	3.29	
<i>For Up To 50, Add</i>	0.75	
<i>For >50 To 150, Add</i>	0.56	
<i>For >150 To 250, Add</i>	0.36	
<i>For >250 To 500, Add</i>	0.18	

31 32 19 16 Geotextile Soil Stabilization (31 32 19)

31 32 19 16-0001 Nonwoven Polypropylene Geotextiles (31 32 19 16)

Note: For drainage, filtration and separation.

31 32 19 16-0002 SY 3.0 Oz/SY, 40 Mil, 80 LB Grab Tensile Nonwoven Polypropylene Geotextile Fabric (Carthage Mills FX-30HS).....	0.71	
<i>For Up To 50, Add</i>	0.18	
<i>For >50 To 150, Add</i>	0.13	
<i>For >150 To 250, Add</i>	0.08	
<i>For >250 To 500, Add</i>	0.04	
31 32 19 16-0003 SY 3.5 Oz/SY, 50 Mil, 95 LB Grab Tensile Nonwoven Polypropylene Geotextile Fabric (Carthage Mills FX-35HS).....	0.76	
<i>For Up To 50, Add</i>	0.19	
<i>For >50 To 150, Add</i>	0.14	
<i>For >150 To 250, Add</i>	0.09	
<i>For >250 To 500, Add</i>	0.04	
31 32 19 16-0004 SY 4.0 Oz/SY, 60 Mil, 115 LB Grab Tensile Nonwoven Polypropylene Geotextile Fabric (Carthage Mills FX-40HS).....	0.82	
<i>For Up To 50, Add</i>	0.20	
<i>For >50 To 150, Add</i>	0.15	
<i>For >150 To 250, Add</i>	0.09	
<i>For >250 To 500, Add</i>	0.05	
31 32 19 16-0005 SY 4.5 Oz/SY, 55 Mil, 120 LB Grab Tensile Nonwoven Polypropylene Geotextile Fabric (Carthage Mills FX-45HS).....	0.88	
<i>For Up To 50, Add</i>	0.21	
<i>For >50 To 150, Add</i>	0.16	
<i>For >150 To 250, Add</i>	0.10	
<i>For >250 To 500, Add</i>	0.05	
31 32 19 16-0006 SY 6.0 Oz/SY, 70 Mil, 160 LB Grab Tensile Nonwoven Polypropylene Geotextile Fabric (Carthage Mills FX-60HS).....	1.03	
<i>For Up To 50, Add</i>	0.24	
<i>For >50 To 150, Add</i>	0.18	
<i>For >150 To 250, Add</i>	0.12	
<i>For >250 To 500, Add</i>	0.06	
31 32 19 16-0007 SY 7.0 Oz/SY, 85 Mil, 180 LB Grab Tensile Nonwoven Polypropylene Geotextile Fabric (Carthage Mills FX-70HS).....	1.20	
<i>For Up To 50, Add</i>	0.28	
<i>For >50 To 150, Add</i>	0.21	
<i>For >150 To 250, Add</i>	0.13	
<i>For >250 To 500, Add</i>	0.07	
31 32 19 16-0008 SY 8.0 Oz/SY, 85 Mil, 205 LB Grab Tensile Nonwoven Polypropylene Geotextile Fabric (Carthage Mills FX-80HS).....	1.32	
<i>For Up To 50, Add</i>	0.31	
<i>For >50 To 150, Add</i>	0.23	
<i>For >150 To 250, Add</i>	0.15	
<i>For >250 To 500, Add</i>	0.07	

31	Earthwork
31 30	Earthwork Methods
31 32	Soil Stabilization



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 32 19 16-0009 SY 10 Oz/SY, 115 Mil, 250 LB Grab Tensile Nonwoven Polypropylene Geotextile Fabric (Carthage Mills FX-100HS).....	1.61	
For Up To 50, Add	0.36	
For >50 To 150, Add	0.27	
For >150 To 250, Add	0.18	
For >250 To 500, Add	0.09	
31 32 19 16-0010 Woven Geotextiles Fabric <small>(31 32 19 16)</small>		
31 32 19 16-0011 SY 200 LB Grab Tensile Woven Slit Film Geotextile Fabric (Carthage Mills FX-55)	1.00	
For Up To 50, Add	0.24	
For >50 To 150, Add	0.17	
For >150 To 250, Add	0.11	
For >250 To 500, Add	0.06	
31 32 19 16-0012 SY 315 LB Grab Tensile Woven Slit Film Geotextile Fabric (Carthage Mills FX-66)	1.39	
For Up To 50, Add	0.31	
For >50 To 150, Add	0.23	
For >150 To 250, Add	0.15	
For >250 To 500, Add	0.08	
31 32 19 16-0013 SY 4 To 6% Open Area, 370 x 250 LB Grab Tensile Woven Monofilament Geotextile Fabric (Carthage Mills Carthage 6%)	2.41	
For Up To 50, Add	0.52	
For >50 To 150, Add	0.39	
For >150 To 250, Add	0.26	
For >250 To 500, Add	0.13	
31 32 19 16-0014 SY 11 To 15% Open Area, 370 x 220 LB Grab Tensile Woven Monofilament Geotextile Fabric (Carthage Mills Carthage 15%).....	2.35	
For Up To 50, Add	0.51	
For >50 To 150, Add	0.38	
For >150 To 250, Add	0.25	
For >250 To 500, Add	0.12	
31 32 19 16-0015 SY 6.9 Oz/SY, 250 LB/IN Wide Width Tensile Ultimate Woven Twill Weave Geotextile Fabric (Carthage Mills FX- 250TF)	2.06	
For Up To 50, Add	0.45	
For >50 To 150, Add	0.34	
For >150 To 250, Add	0.22	
For >250 To 500, Add	0.11	
31 32 19 16-0016 SY 9.1 Oz/SY, 333 LB/IN Wide Width Tensile Ultimate Woven Twill Weave Geotextile Fabric (Carthage Mills FX- 330TF)	2.20	
For Up To 50, Add	0.48	
For >50 To 150, Add	0.36	
For >150 To 250, Add	0.23	
For >250 To 500, Add	0.12	
31 32 19 16-0017 SY 12.1 Oz/SY, 400 LB/IN Wide Width Tensile Ultimate Woven Twill Weave Geotextile Fabric (Carthage Mills FX- 400TF)	2.79	
For Up To 50, Add	0.60	
For >50 To 150, Add	0.45	
For >150 To 250, Add	0.29	
For >250 To 500, Add	0.15	
31 32 19 16-0018 SY 12.1 Oz/SY, 400 LB/IN Wide Width Tensile Ultimate Woven Monofilament And Fibrillated Geotextile Fabric (Carthage Mills FX-400MF)	3.96	
For Up To 50, Add	0.83	
For >50 To 150, Add	0.62	
For >150 To 250, Add	0.41	
For >250 To 500, Add	0.21	
31 32 19 16-0019 Geomembranes <small>(31 32 19 16)</small>		
31 32 19 16-0020 Polyvinyl Chloride (PVC) Geomembrane <small>(31 32 19 16-0019)</small>		
31 32 19 16-0021 SF 20 Mil Polyvinyl Chloride (PVC) Geomembrane (US Fabrics)	0.80	
31 32 19 16-0022 SF 30 Mil Polyvinyl Chloride (PVC) Geomembrane (US Fabrics)	0.92	
31 32 19 16-0023 SF 40 Mil Polyvinyl Chloride (PVC) Geomembrane (US Fabrics)	1.11	
31 32 19 16-0024 SF 50 Mil Polyvinyl Chloride (PVC) Geomembrane (US Fabrics)	1.32	
31 32 19 16-0025 SF 60 Mil Polyvinyl Chloride (PVC) Geomembrane (US Fabrics)	1.50	
31 32 19 16-0026 SF 70 Mil Polyvinyl Chloride (PVC) Geomembrane (US Fabrics)	1.63	
31 32 19 16-0027 SF 80 Mil Polyvinyl Chloride (PVC) Geomembrane (US Fabrics)	1.77	
31 32 19 16-0028 SF 90 Mil Polyvinyl Chloride (PVC) Geomembrane (US Fabrics)	1.95	
31 32 19 16-0029 SF 100 Mil Polyvinyl Chloride (PVC) Geomembrane (US Fabrics)	2.13	
31 32 19 16-0030 High Density Polyethylene (HDPE) Geomembrane <small>(31 32 19 16-0019)</small>		
31 32 19 16-0031 SF 20 Mil High Density Polyethylene Membrane (US Fabrics)	0.70	
31 32 19 16-0032 SF 30 Mil High Density Polyethylene Membrane (US Fabrics)	0.90	
31 32 19 16-0033 SF 40 Mil High Density Polyethylene Membrane (US Fabrics)	1.03	
31 32 19 16-0034 SF 50 Mil High Density Polyethylene Membrane (US Fabrics)	1.62	
31 32 19 16-0035 SF 60 Mil High Density Polyethylene Membrane (US Fabrics)	1.28	
31 32 19 16-0036 SF 80 Mil High Density Polyethylene Membrane (US Fabrics)	1.56	
31 32 19 16-0037 SF 100 Mil High Density Polyethylene Membrane (US Fabrics)	1.83	
31 32 19 16-0038 SF 120 Mil High Density Polyethylene Membrane (US Fabrics)	3.21	
31 32 19 16-0039 SF 140 Mil High Density Polyethylene Membrane (US Fabrics)	3.32	

31 32 19 26 Geoweb Cellular Confinement System (31 32 19)

Note: Includes staples, stakes and filling cells with stockpiled material. Excludes site preparation and imported materials.



Earthwork	31	13
Earthwork Methods	31 30	
Soil Stabilization	31 32	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 32 19 26-0001 Geoweb Cellular Confinement System <small>(31 32 19 26)</small>		
Note: Includes staples, stakes and filling cells with stockpiled material. Excludes site preparation and imported materials.		
31 32 19 26-0002 SF 4" Geoweb Cellular Confinement System (Presto Geosystems)	4.37	
For >20,000, Deduct	-0.08	
For >2:1 Slope, Add	0.94	
31 32 19 26-0003 SF 6" Geoweb Cellular Confinement System (Presto Geosystems)	5.05	
For >20,000, Deduct	-0.11	
For >2:1 Slope, Add	0.94	
31 32 19 26-0004 SF 8" Geoweb Cellular Confinement System (Presto Geosystems)	5.86	
For >20,000, Deduct	-0.15	
For >2:1 Slope, Add	0.94	
 31 32 36 Soil Nailing <small>(31 32)</small>		
31 32 36 00-0001 Landslide and Slip-Out Stabilization <small>(31 32 36)</small>		
Note: Work shall consist of the Contractor stabilizing identified slides by internally reinforcing the soil mass with reinforcing elements (nails) by using one or more of the installation methods specified in this contract. The Owner will identify locations for work to be performed as specified herein. The Contractor shall review all locations with Owner representatives to determine the method to be used. The Contractor will provide all necessary engineering plans and details required to successfully repair slides as noted. These plans shall be stamped by a registered professional engineer with a current California license who is knowledgeable in the design and implementation of slope stabilization with soil nails and related work. The contractor shall furnish all labor, materials, and equipment required to complete the work. Any necessary installation methods and associated costs are the responsibility of the contractor. The Contractor and the Contractor's Engineer will also warrant the stability of the repaired roadway section for a period of 5 years.		
 31 32 36 00-0002 Launched Soil Nails <small>TM (31 32 36 00-0001)</small>		
Note: Furnish Launched Soil Nails TM up to 20 feet in length composed of a tube (1.5 inch outside diameter, 0.120 inch wall thickness hot-dipped galvanized 36ksi steel (ASTM A513) that is mechanically deformed or GalvaDized TM to produce a plurality of surficial asperities). Alternately, the tube may be composed of fiberglass (1.5 inch outside diameter, 0.5 inch wall thickness Strongwell EXTREN Series 625 Vinyl Ester fiberglass. Furnish equipment and incidentals necessary to complete the work. Insert Launched Soil Nails TM with a single stroke at initial velocities in excess of 200 miles per hour. Inserted length and spacing will be determined by the Contractor's Engineer and identified in the Contractor's stamped plans and submittals.		
31 32 36 00-0003 EA Fiberglass SuperNail®	780.00	
Note: perforated fiberglass tube up to 20 ft. length, pressure grouted with #6 epoxy coated inner Bar.		
31 32 36 00-0004 EA GalvaDized TM SuperNail®	620.00	
Note: perforated GalvaDized TM steel tube up to 20 ft. length, pressure grouted with #6 epoxy coated inner Bar.		
31 32 36 00-0005 EA Temporary Launched Soil Nail	520.00	
Note: bare steel tube up to 20 ft. length.		
31 32 36 00-0006 EA Fiberglass SuperDrain TM	585.00	
Note: perforated fiberglass tube up to 20 ft. length.		
31 32 36 00-0007 EA GalvaDized TM SuperDrain TM	550.00	
Note: perforated GalvaDized TM steel tube up to 20 ft. length.		
 31 32 36 00-0008 Drilled SuperNails® (Permanently Cased Soil Nails) <small>(31 32 36 00-0001)</small>		
Note: Furnish SuperNails® that are a three stage construction including installation of (1) an outer tube (1.5 inch outside diameter, 0.120 inch wall thickness hot-dipped galvanized steel tube that is mechanically deformed or GalvaDized TM to produce a plurality of surficial asperities); (2) neat cement grout that completely encases and fills the outer tube; and (3) immediately install an epoxy coated, #6 (or greater) grade 75 threadbar as the inner bar. SuperNails® may be in lengths up to 60 feet. Although field adjustments in design may be allowed on certain projects (subject to approval by the Contractor's Engineer and the Owner) bidding an equivalent system is not allowed (i.e. the winning bidder must have the ability to install the above system). Furnish equipment and incidentals necessary to complete the work. Insert SuperNail® outer tubes with a single stroke at initial velocities in excess of 200 miles per hour or by drilling a hole to a prescribed depth and inserting the outer tube. Fill the outer tube with neat cement grout and immediately insert a #6 or larger epoxy coated inner threadbar. Inserted length and spacing will be determined by the Contractor's Engineer and identified in the Contractor's stamped plans and submittals.		
31 32 36 00-0009 EA Drilled GalvaDized TM SuperNail® up to 20 ft. length	650.00	
Note: GalvaDized TM steel tube, drilled and grouted with #6 epoxy coated inner Bar.		
31 32 36 00-0010 EA Drilled GalvaDized TM SuperNail® up to 30 ft. length	975.00	
Note: GalvaDized TM steel tube, drilled and grouted with #6 epoxy coated inner Bar.		
31 32 36 00-0011 EA Drilled GalvaDized TM SuperNail® up to 40 ft. length	1,235.00	
Note: GalvaDized TM steel tube, drilled and grouted with #6 epoxy coated inner Bar.		
31 32 36 00-0012 EA Drilled GalvaDized TM SuperNail® up to 50 ft. length	1,495.00	
Note: GalvaDized TM steel tube, drilled and grouted with #6 epoxy coated inner Bar.		
31 32 36 00-0013 EA Drilled GalvaDized TM SuperNail® up to 60 ft. length	1,755.00	
Note: GalvaDized TM steel tube, drilled and grouted with #6 epoxy coated inner Bar.		
31 32 36 00-0014 EA Drilled GalvaDized TM SuperNail® up to 70 ft. length	2,015.00	
Note: GalvaDized TM steel tube, drilled and grouted with #6 epoxy coated inner Bar.		
31 32 36 00-0015 EA Drilled GalvaDized TM SuperNail® up to 80 ft. length	2,275.00	
Note: GalvaDized TM steel tube, drilled and grouted with #6 epoxy coated inner Bar.		

31	31	Earthwork
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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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31 32 36 00-0016	Self-Drilling SuperNails® / SuperMicropiles™ <small>(31 32 36 00-0001)</small>		
	<small>Note: Furnish Self-Drilling SuperNails® / SuperMicropiles™ that consist of a hollow, threaded bar with a sacrificial drill bit. Multiple bars may be coupled to produce final length. Bar thread pattern should be continuous and conform to the pullout requirements of ASTM A 615 (Williams Form Engineering "B7X" or Ischebeck "Titan" bars, or approved equivalent). R-thread bars, bars/couplers made from high carbon (>0.20%) or high phosphorous (>0.06%) steels, or bars/couplers made from steels that do not meet the tensile ductility requirements of ASTM A 615 shall not be used for any tensile applications. Bar outer diameters shall be a minimum of 1.5 inches and up to and 3 inches depending on design load. Corrosion Protection for Self Drilling Nails shall follow current FHWA guidance. Inserted length and spacing of Self-Drilling SuperNails® / SuperMicropiles™ will be determined by the Contractor's Engineer and identified in the Contractor's stamped plans and submittals.</small>		
31 32 36 00-0017	Self-Drilling SuperNails® <small>(31 32 36 00-0016)</small>		
31 32 36 00-0018	EA Self Drilling SuperNails® up to 20-ft	910.00	
31 32 36 00-0019	EA Self Drilling SuperNails® up to 30-ft	1,300.00	
31 32 36 00-0020	EA Self Drilling SuperNails® up to 40-ft	1,820.00	
31 32 36 00-0021	EA Self Drilling SuperNails® up to 50-ft	2,340.00	
31 32 36 00-0022	EA Self Drilling SuperNails® up to 60-ft	2,860.00	
31 32 36 00-0023	EA Self Drilling SuperNails® up to 70-ft	3,380.00	
31 32 36 00-0024	EA Self Drilling SuperNails® up to 80-ft	3,900.00	
31 32 36 00-0025	Self-Drilling SuperMicropiles™ <small>(31 32 36 00-0016)</small>		
31 32 36 00-0026	EA Self Drilling SuperNails® SuperMicropiles™ up to 20-ft	910.00	
31 32 36 00-0027	EA Self Drilling SuperNails® SuperMicropiles™ up to 30-ft	1,300.00	
31 32 36 00-0028	EA Self Drilling SuperNails® SuperMicropiles™ up to 40-ft	1,820.00	
31 32 36 00-0029	EA Self Drilling SuperNails® SuperMicropiles™ up to 50-ft	2,340.00	
31 32 36 00-0030	LF Micropile Cap - 12" thick shotcrete	130.00	
31 32 36 00-0031	Drilled / Launched SuperMicropiles™ <small>(31 32 36 00-0001)</small>		
	<small>Note: Furnish SuperMicropiles™ that are a three stage construction including installation of (1) an outer tube (1.5 inch outside diameter, 0.120 inch wall thickness hot-dipped galvanized steel tube that is cement grout that completely encases and fills the outer tube; and (3) immediately install an epoxy coated, #6 (or greater) grade 75 threadbar as the inner bar. SuperMicropiles™ may be in lengths up to 60 feet. Although field adjustments in design may be allowed on certain projects (subject to approval by the Contractor's Engineer and the Owner) bidding an equivalent system is not allowed (i.e. the winning bidder must have the ability to install the above system). Furnish equipment and incidentals necessary to complete the work. Insert SuperMicropile™ outer tubes with a single stroke at initial velocities in excess of 200 miles per hour or by drilling a hole to a prescribed depth and inserting the outer tube. Fill the outer tube with neat cement grout and immediately insert a #6 or larger epoxy coated inner threadbar. Inserted length and spacing will be determined by the Contractor's Engineer and identified in the Contractor's stamped plans and submittals.</small>		
31 32 36 00-0032	EA SuperMicropiles™ up to 20 ft. length	695.00	
	<small>Note: GalvaDized™ steel tube, grouted with #6 epoxy coated inner Bar.</small>		
31 32 36 00-0033	EA SuperMicropiles™ up to 30 ft. length	1,020.00	
	<small>Note: GalvaDized™ steel tube, grouted with #6 epoxy coated inner Bar.</small>		
31 32 36 00-0034	EA SuperMicropiles™ up to 40 ft. length	1,280.00	
	<small>Note: GalvaDized™ steel tube, grouted with #6 epoxy coated inner Bar.</small>		
31 32 36 00-0035	EA SuperMicropiles™ up to 50 ft. length	1,540.00	
	<small>Note: GalvaDized™ steel tube, grouted with #6 epoxy coated inner Bar.</small>		
31 32 36 00-0036	Shotcrete or Gunite <small>(31 32 36 00-0001)</small>		



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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 32 36 00-0037 Dry-Mix Shotcrete for use with Launched Soil Nails™, SuperNails®, SuperMicropiles™, Self-Drilling SuperNails® / SuperMicropiles™ ^(31 32 36 00-0036) Note: Furnish steel reinforced shotcrete to integrate with Launched Soil Nails™, SuperNails®, SuperMicropiles™, Self Drilling SuperMicropiles™ or Self Drilling SuperNails® and complying with the requirements of ACI 506.2, "Specifications for Materials, Proportioning and Application of Shotcrete", except as otherwise specified. Shotcreting consists applying of one or more layers of concrete conveyed through a hose pneumatically projected at a high velocity against a prepared surface. Produce shotcrete by a dry-mix. The dry-mix process consists of thoroughly mixing Portland cement and aggregate (and or synthetic fiber) thoroughly mixed dry, passed through a cement gun and conveyed by air through a flexible tube, hydrated at a nozzle at the end of such flexible tube and deposited by air pressure in its place of final repose. For additional descriptive information, refer to the American Concrete Institute ACI 506R "Guide to Shotcrete." The Contractor's Engineer shall provide all necessary details required to successfully construct the temporary or permanent facing and facing drainage system to satisfy the design intent of the facing. Comply with AASHTO Specifications, or accepted industry standards for any specific items that may not be addressed herein or elsewhere in this Contract Document. Use materials for shotcrete conforming to the following requirements: Cement AASHTO M85/ ASTM C150, Type I, II, or III. Fine Aggregate AASHTO M6/ASTM C33 clean, natural. Coarse Aggregate Class B for quality Fiber Reinforcement ASTM C116-00 Water Clean and Potable. AASHTO M157/ASTM C94 and shall be maintained at a uniform pressure which shall be at least 15 pounds per square inch above air pressure at the nozzle. Chemical Admixtures Accelerator Fluid type, applied at nozzle, meeting requirements of AASHTO M194/ASTM C494/ASTM C1141. Water-reducer and Superplasticizer AASHTO M194/ASTM C494 Type A, C, D, E, F, or G Retarders AASHTO M194/ ASTM C494 Type B or D. Mineral Admixtures Fly Ash AASHTO M295/ASTM C618 Type F or C, cement replacement up to 35 percent by weight of cement. Silica Fume ASTM C1240, 90 percent minimum silicon dioxide solids content, not to exceed 12 percent by weight of cement. Welded Wire Fabric AASHTO M55/ASTM A185 or A497. Double twisted hexagonal ASTM A975-97 guidelines for Double Twisted Hexagonal Mesh Gabions Prepackaged Shotcrete ASTM C928. PVC Drain Pipes: Pipe ASTM 1785 Schedule 40 PVC, solid and perforated wall, cell classification 12454-B or 12354-C, wall thickness SDR 35, with solvent weld or elastomeric gasket joints. Deliver, store and handle materials to prevent contamination, segregation, corrosion or damage. Store liquid admixtures to prevent evaporation and freezing. Use aggregate for shotcrete meeting the strength and durability requirements of AASHTO M6/M80, as applicable, and the following gradation requirements: Sieve Size Percent Passing by Weight 1/2" 100 3/8" 90-100 No. 4 70-85 No. 8 100 Proportion the shotcrete to be pumpable with the concrete pump furnished for the work, with a cementing materials content of at least 390 kilograms per cubic meter and water/cement ratio not greater than 0.50. Do not use admixtures unless approved by the Contractor's Engineer. Thoroughly mix admixtures into the shotcrete at the rate specified by the manufacturer. Use only accelerators compatible with the cement used, non-corrosive to steel, and not promoting other detrimental effects such as cracking or excessive shrinkage. The maximum allowable chloride ion content of all ingredients is 0.10% when tested to AASHTO T260. Air entrainment is not required for temporary shotcrete construction facings. Provide shotcrete with a design compressive strength of 2000 Psi in 3 days and 4000 Psi in 28 days. Batch aggregate and cement by weight or by volume in accordance with the requirements of ASTM C94 or AASHTO M241/ASTM C685. Use		
31 32 36 00-0038 SFI Dry-Mix Reinforced Gunite.....		13.00
Note: sold per inch thickness over one square face foot of area (includes reinforcing steel).		

31	31	Earthwork
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31 32 36 00-0039	<p>Wet-Mix Shotcrete for use with Launched Soil Nails™, SuperNails®, SuperMicropiles™, Self-Drilling SuperNails® / SuperMicropiles™ <small>(31 32 36 00-0036)</small></p> <p>Note: Furnish steel reinforced shotcrete to integrate with Launched Soil Nails™, SuperNails®, SuperMicropiles™, Self Drilling SuperMicropiles™ or Self Drilling SuperNails® and complying with the requirements of ACI 506.2, "Specifications for Materials, Proportioning and Application of Shotcrete", except as otherwise specified. Shotcreting consists applying of one or more layers of concrete conveyed through a hose pneumatically projected at a high velocity against a prepared surface. Produce shotcrete by a wet-mix. The wet-mix process consists of thoroughly mixing all the ingredients except accelerating admixtures, but including the mixing water, introducing the mixture into the delivery equipment and delivering it, by positive displacement, to the nozzle. Air jet the wet-mix shotcrete from the nozzle at high velocity onto the surface. For additional descriptive information, refer to the American Concrete Institute ACI 506R "Guide to Shotcrete." The Contractor's Engineer shall provide all necessary details required to successfully construct the temporary or permanent facing and facing drainage system to satisfy the design intent of the facing. Comply with AASHTO Specifications, or accepted industry standards for any specific items that may not be addressed herein or elsewhere in this Contract Document. Use materials for shotcrete conforming to the following requirements: Cement AASHTO M85/ ASTM C150, Type I, II, III or V. Fine Aggregate AASHTO M6/ASTM C33 clean, natural. Coarse Aggregate AASHTO M80, Class B for quality Water Clean and Potable. AASHTO M157/ASTM C94 Chemical Admixtures Accelerator Fluid type, applied at nozzle, meeting requirements of AASHTO M194/ASTM C494/ASTM C1141. Water-reducer and Superplastisizer AASHTO M194/ASTM C494 Type A, C, D, E, F, or G Retarders AASHTO M194/ ASTM C494 Type B or D. Mineral Admixtures Fly Ash AASHTO M295/ASTM C618 Type F or C, cement replacement up to 35 percent by weight of cement. Silica Fume ASTM C1240, 90 percent minimum silicon dioxide solids content, not to exceed 12 percent by weight of cement. Welded Wire Fabric AASHTO M55/ASTM A185 or A497. Double twisted hexagonal ASTM A975-97 guidelines for Double Twisted Hexagonal Mesh Gabions Prepackaged Shotcrete ASTM C928. PVC Drain Pipes: Pipe ASTM 1785 Schedule 40 PVC, solid and perforated wall, cell classification 12454-B or 12354-C, wall thickness SDR 35, with solvent weld or elastomeric gasket joints. Deliver, store and handle materials to prevent contamination, segregation, corrosion or damage. Store liquid admixtures to prevent evaporation and freezing. Use aggregate for shotcrete meeting the strength and durability requirements of AASHTO M6/M80, as applicable, and the following gradation requirements: Sieve Size Percent Passing by Weight 1/2" 100 3/8" 90-100 No. 4 70-85 No. 8</p> <p>100 Proportion the shotcrete to be pumpable with the concrete pump furnished for the work, with a cementing materials content of at least 390 kilograms per cubic meter and water/cement ratio not greater than 0.50. Do not use admixtures unless approved by the Contractor's Engineer. Thoroughly mix admixtures into the shotcrete at the rate specified by the manufacturer. Use only accelerators compatible with the cement used, non-corrosive to steel, and not promoting other detrimental effects such as cracking or excessive shrinkage. The maximum allowable chloride ion content of all ingredients is 0.10% when tested to AASHTO T260. Air entrainment is not required for temporary shotcrete construction facings. Provide shotcrete with a design compressive strength of 2000 Psi in 3 days and 4000 Psi in 28 days. Batch aggregate and cement by weight or by volume in accordance with the requirements of ASTM C94 or AASHTO M241/ASTM C685. Use mixing equipment that thoroughly blends the materials in sufficient quantity to maintain placing continuity. Produce ready mix shotcrete complying with A</p>	
31 32 36 00-0040	<p>SFI Wet-Mix Reinforced Shotcrete .....6.50</p> <p>Note: sold per inch thickness over one square face foot of area (includes reinforcing steel).</p>	
31 32 36 00-0041	<p>Shotcrete or Gunitite for use with Launched Soil Nails™, SuperNails® and Self Drilling SuperNails® <small>(31 32 36 00-0036)</small></p>	
31 32 36 00-0042	<p>LF Shotcrete shoulder build-out .....260.00</p>	
31 32 36 00-0043	<p>SF Acid Stained Shotcrete (gun finished) shotcrete .....3.25</p>	
31 32 36 00-0044	<p>SF Sculpt and stain shotcrete .....22.50</p>	
31 32 36 00-0045	<p>Steel Mesh, Turf Reinforcement Matting and Steel Plates for use with Launched Soil Nails™, SuperNails® and Self Drilling SuperNails® <small>(31 32 36 00-0001)</small></p>	
31 32 36 00-0046	<p>Steel Mesh Surface Treatment for use with Launched Soil Nails™, SuperNails® and Self Drilling SuperNails® <small>(31 32 36 00-0045)</small></p> <p>Note: Furnish Galfan® Coated Steel Mesh for use with Launched Soil Nails™, SuperNails®, or Self Drilling SuperNails® that is a double twisted hexagonal galvanized steel wire mesh manufactured according to ASTM A975-97 guidelines for Double Twisted Hexagonal Mesh Gabions. Alternately, the mesh may be a diamond shaped, three dimensional mesh made with high capacity 3-millimeter diameter wire. Furnish steel plates to connect the mesh to the nail systems described herein. Furnish equipment and incidentals necessary to complete the work. Soil Nail to mesh connection details will be determined by the Contractor's Engineer and identified in the Contractor's stamped plans and submittals.</p>	
31 32 36 00-0047	<p>SF High Capacity Diamond Mesh .....19.50</p> <p>Note: sold per square face foot</p>	
31 32 36 00-0048	<p>SF Double Twist Wire Mesh .....10.00</p> <p>Note: sold per square face foot</p>	
31 32 36 00-0049	<p>Permanent Turf Reinforcing Mat (TRM) <small>(31 32 36 00-0045)</small></p> <p>Note: Furnish a web of mechanically bonded synthetic fibers that are entangled to form a strong and dimensionally stable mat. Place fibers between 2 or 3 high-strength, biaxially oriented nets mechanically bound together by stitching with polyolefin thread. The netting material must be resistant to biological, chemical, and ultra-violet degradation.</p>	
31 32 36 00-0050	<p>SF Permanent Turf Reinforcement Mat .....1.30</p> <p>Note: sold per square face foot</p>	
31 32 36 00-0051	<p>Biodegradable Turf Reinforcing Mat (TRM) <small>(31 32 36 00-0045)</small></p> <p>Note: Furnish a geotextile composed of seed free processed natural fiber matrix mechanically bound together with 100% degradable binding fiber or netting to form a continuous matrix.</p>	



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MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 32 36 00-0052	SF		Biodegradable Turf Reinforcement Mat Note: sold per square face foot	0.35	
31 32 36 00-0053			Steel Plates (31 32 36 00-0045)		
31 32 36 00-0054	EA		Galvanized Steel Plates.....	35.00	
31 32 36 00-0055			BioWall® (31 32 36 00-0001) Note: Furnish and install the BioWall® to integrate with Launched Soil Nails™, SuperNails® or Self Drilling SuperNails®. The BioWall® is a confined soil/compost mass capable of sustaining vegetation at slope angles up to ¼(H):1(V), and is composed of 2 layers of galvanized wire mesh and 2 layers of lightweight geosynthetic encasing a seeded compost and/or topsoil mix, tied to the soil nails by steel plates. Furnish equipment and incidentals necessary to complete the work. BioWall® to soil nail connection details will be determined by the Contractor's Engineer and identified in the Contractor's stamped plans and submittals.		
31 32 36 00-0056	SF		BioWall®.....	50.00	
31 32 36 00-0057			GeoSynthetically Confined Soil™ (GCS®) Components (31 32 36 00-0001) Note: Furnish and install geosynthetic reinforcement, backfill and facing element to construct a Geosynthetically Confined Soil Wall™ (GCS®). Designs shall comply with the Design Standards for Geosynthetically Confined Soil Walls (adapted from the NCHRP Report 556 –“Design and Construction Guidelines for Geosynthetic – Reinforced Soil Bridge Abutments with a Flexible Facing”) noted below. Reinforcement Selection and Placement: Geosynthetic reinforcement shall consist of high-tenacity geotextiles manufactured for soil reinforcement applications. Geotextiles shall not be exposed to sunlight and extreme temperatures for an extended period of time. Damaged or improperly handled geosynthetic reinforcement shall be rejected. Use a woven polypropylene geotextile with ultimate tensile strength of 2400 lbs/ft (Amoco 2044 or similar) in the cross-machine direction (as per ASTM D4595). The geosynthetic reinforcement perpendicular to the wall face should consist of one continuous piece of material. Overlap of reinforcement in the design strength direction is not permitted. Adjacent sections of geosynthetic reinforcement should be placed so as to ensure that horizontal coverage shown on the plans is provided. Tracked construction equipment shall not be operated directly on the geosynthetic reinforcement. A minimum backfill thickness of 150 mm (6 in.) is required before operation of tracked vehicles over the geosynthetic reinforcement. Turning of tracked vehicles should be kept to a minimum to prevent displacing the fill and damaging or moving the geosynthetic reinforcement. Rubber-tired equipment may pass over the geosynthetic reinforcement at slow speeds less than 17 km/hr (10 miles/hr). Sudden braking and sharp turning should be avoided. Backfill Specifications: Structure backfill material should consist of material free from organic or other unsuitable material as determined by the Contractor's Engineer. Grading of the backfill should be as follows: 100 percent passing 100 mm (4 in.) sieve, 0-60 percent passing No. 40 (0.425 mm) sieve, and 0-15 percent passing No. 200 (0.075mm) sieve; plasticity index (PI) as determined by AASHTO T90, should not exceed 6. The backfill should exhibit an angle of internal friction of not less than 34 degrees, as determined by the standard direct shear test on the portion finer than 2 mm (No.10) sieve, using a sample compacted to 95 percent of AASHTO T-99, Methods C or D, at optimum moisture content. No testing is required for backfills where 80 percent of sizes are greater than 19 mm. The backfill should be substantially free of shale or other soft, poor durability particles and should have an organic content not larger than 1 percent. The backfill should have a pH between 4.5 and 9. Backfill Placement: Reinforced fill should be placed as specified in construction plans in compacted lift thickness of 8in, but in no case in lifts greater than 12in. Reinforced fill should be placed and compacted at or within 2 percent dry of the optimum moisture content. If the reinforced fill is free draining (i.e., with less than 5 percent passing a No. 200 sieve), water content of the fill may be within ±3 percent of the optimum. A minimum density of 90 percent of standard Proctor density is required. Optimum compaction is 100 percent of AASHTO T-99 (or 95 percent of AASHTO T-180) but this may not be possible throughout the wall structure. If significant percentage of the backfill is coarse material (i.e., greater than 30 percent retained on the 19 mm, or ¾ in., sieve), a procedural specification may be used to verify compaction, (no less than two passes with a conventional vibratory plate compaction equipment). Backfill should be placed, spread, and compacted so as to prevent the development of wrinkles or movement of the geosynthetic reinforcement and the wall facing units. Only hand-operated compaction equipment should be allowed within 0.5 m (1.5 ft) of the front of t		
31 32 36 00-0058	SF		GeoSynthetically Confined Soil™ (GCS®) Wall Note: Installation sold per square face foot (excludes materials)	32.50	
31 32 36 00-0059	EA		GeoSynthetically Confined Soil™ (GCS®) Wall Concrete Masonry Units (approximately 8" x 8" x 16").....	4.60	
31 32 36 00-0060	EA		GeoSynthetically Confined Soil™ (GCS®) Wall Galvanized Wire Basket Units (approximately 10" x 120").....	100.00	
31 32 36 00-0061	SF		GeoSynthetically Confined Soil™ (GCS®) Wall Woven Geotextile.....	0.65	
31 32 36 00-0062			Launched SuperDrain™ (Horizontal Drains) (31 32 36 00-0001) Note: Furnish Launched SuperDrain™ up to 20 feet in length composed of a tube (1.5 inch outside diameter, 0.120 inch wall thickness hot-dipped galvanized 36ksi steel (ASTM A513) that is mechanically deformed or GalvaDized™ to produce a plurality of surficial asperities). Drainage perforations consist of 0.5-inch diameter holes drilled or torch-cut at 6 inch spacing along the distal 5 feet of nail. Every other hole is rotated 90° about the longitudinal axis of the nail. Furnish equipment and incidentals necessary to complete the work. Insert Launched SuperDrain™ with a single stroke at initial velocities in excess of 200 miles per hour. Inserted length and spacing will be determined by the Contractor's Engineer and identified in the Contractor's stamped plans and submittals.		
31 32 36 00-0063	EA		Drilled Polyvinyl Chloride (PVC) Horizontal Drains up to 20 ft. length	650.00	
31 32 36 00-0064	EA		Drilled Polyvinyl Chloride (PVC) Horizontal Drains up to 30 ft. length	975.00	
31 32 36 00-0065	EA		Drilled Polyvinyl Chloride (PVC) Horizontal Drains up to 40 ft. length	1,300.00	
31 32 36 00-0066	EA		Drilled Polyvinyl Chloride (PVC) Horizontal Drains up to 50 ft. length	2,275.00	
31 32 36 00-0067	EA		Drilled Polyvinyl Chloride (PVC) Horizontal Drains up to 60 ft. length	2,730.00	
31 32 36 00-0068	EA		Drilled Polyvinyl Chloride (PVC) Horizontal Drains up to 70 ft. length	3,185.00	
31 32 36 00-0069	EA		Drilled Polyvinyl Chloride (PVC) Horizontal Drains up to 80 ft. length	3,640.00	
31 32 36 00-0070			Mobilization / Demobilization (31 32 36 00-0001)		
31 32 36 00-0071	EA		Mobilization (Out of State)	15,600.00	
31 32 36 00-0072	EA		Mobilization (In State)	7,800.00	
31 32 36 00-0073	DAY		Limited or Remote Access Surcharge	7,700.00	

31	31	Earthwork
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31 32 36 00-0074 Grouting (31 32 36 00-0001)

31 32 36 00-0075 Compaction Grouting (31 32 36 00-0074)

Note: A. Furnish compaction grout material manufactured on-site (at the project location) in volumetric batching equipment so that grout rheology can be controlled real-time. The grout shall have a slump of 0.50" to 3.0" depending on the specific requirements of the project and shall conform to the engineering plans developed and submitted by the Contractor. Grout components shall consist of Type I/II cement, potable water and aggregate. Fly Ash may be added to the mix per the engineering plans. All aggregate for the compaction grout material shall meet the following requirements: a. 100% passing the 1/2" sieve b. Less than 2% organics c. No bentonite or other clay of medium to high plasticity shall be used. Site conditions and re-leveling requirements shall determine the exact proportions of cement, water and soil. The grout mix shall generally consist of aggregate with up to 12% cement by weight and water to form a very stiff mortar-like mixture. No admixtures shall be used without the Project Manager's approval, and previous testing. Mix design and test results of grout mixture must be submitted and approved by the Project Manager 15 Days prior to the commencement of the work. A. Gradations of the aggregate material to be utilized shall be submitted as part of the submittal process and prior to any work taking place. B. The compaction grouting mixer shall be of a type to ensure complete mixing of the stiff grout, as approved by the Project Manager. The compaction grout mixer shall be of sufficient capacity to continuously deliver grout having a slump of less than 1.5 inches at pressures up to 1,000 psi, at flow rates ranging from 0.1 to 5.0 cubic feet per minute. Gauges shall be provided at the pump and the grout pipe head to measure pressure the rate of flow. Type and location of gauges shall be as specified by the Contractor. A dial gauge or meter capable of measuring to 0.5 cubic feet or less shall be provided to measure the amount of grout pumped into the hole. A pressure gauge shall be graduated in 10-psi increments or less and used to measure the applied pressure. Compaction grout hose shall have a minimum inside diameter of 2 inches with non-restrictive full flow couplings. The hose shall be of sufficient strength for the pressures anticipated, and shall be in good condition.

31 32 36 00-0076	LF	Compaction Grouting Casing Installation.....	22.60
31 32 36 00-0077	CF	Compaction Grout Injection for Soils Densification.....	17.00
31 32 36 00-0078	CF	Compaction Grout For Void Fill.....	10.25

31 32 36 00-0079 Polyurethane Grouting (31 32 36 00-0074)

Note: A. The material shall be a two part 1:1 ratio by volume, polyurethane-forming mixture, having a water insoluble diluent, which permits the formation of polyurethanes in excess water. The material shall reach 90% Compressive strength in 30 minutes such that traffic may be returned to roadway within 30 minutes after last injection of material. Polyurethane Free-rise Physical Properties Property I Units ASTM Minimum Maximum Density - lb/cf D 1622 3.0 lb/cf 6.0 lb/cf Tensile Strength - psi D 1623 80 psi Compressive Strength at Yield Point - psi D 1621 60 psi B. Furnish equipment and incidentals necessary to complete the work. Polyurethane grout shall not be used for deep injection (deeper than 3 ft below bottom of structure) or soils densification, it shall only be used for void filling under structures and for re-leveling. The Contractor shall prepare a profile to determine the areas that require void filling and re-leveling and determine the locations of the injection holes for each treated area. The Contractor shall obtain approval for the final proposed grades and the location of injection holes. The Contractor shall submit a plan for approval of the proposed polyurethane injection methods for the designated project areas. The plan shall include, but not be limited to: proposed diameter of casing (if required), depth of placement, angle of inclination, injection tube spacing, and project staging. The plan shall include monitoring procedures to ensure that damage will not occur to any existing structures due to the injection process. Monitoring devices shall be installed on mechanically stabilized earth retaining systems and between approach slabs and approach slab footings or other components to help prevent damage. The Contractor shall drill a pattern of holes as proposed in his plan. The holes shall be located in a manner that the void filling and structure lifting process does not affect any adjoining structures, such as mechanically stabilized earth retaining walls. Holes shall not be drilled within 4" of the edge of the slab, construction joints or major cracks. No more holes shall be drilled and tubes installed during the day than can be filled during that day. On bridge approach and roadway projects, and as applicable, the initial lift shall be at the sleeper footer. The Contractor shall lift the sleeper footer and the approach slab to the desired elevation by injecting material under the structures with care to assure that polyurethane material is not placed between the sleeper footer and the approach slab. The amount of rise shall be controlled by regulating the rate of injection of the high density polyurethane material. When the nozzle is removed from the hole, any excessive polyurethane material shall be removed from the area.

31 32 36 00-0080	LBS	Polyurethane Grouting For Void Fill and Re-Leveling.....	9.35
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31 36 Gabions (31 30)

Note: Includes the cost for loading, hauling up to 15 miles from the closest approved source, unloading and placing. See CSI section 01 74 19 00-0038 for hauling greater than 15 miles.

31 36 13 Gabion Boxes (31 36)

31 36 13 00-0001 Stone Filled Gabion Slope Protection (31 36 13)

Note: Machine placed by SY of total top face area for depth indicated.

31 36 13 00-0002	SY	6" Deep Stone Filled Gabion Slope Protection	95.81
31 36 13 00-0003	SY	9" Deep Stone Filled Gabion Slope Protection	116.46
31 36 13 00-0004	SY	12" Deep Stone Filled Gabion Slope Protection	148.66
31 36 13 00-0005	SY	15" Deep Stone Filled Gabion Slope Protection	172.40
31 36 13 00-0006	SY	18" Deep Stone Filled Gabion Slope Protection	201.28
31 36 13 00-0007	SY	24" Deep Stone Filled Gabion Slope Protection	278.12
31 36 13 00-0008	SY	36" Deep Stone Filled Gabion Slope Protection	354.15

31 37 Riprap (31 30)

Note: Includes the cost for loading, hauling up to 15 miles from the closest approved source, and dumping. See CSI section 01 74 19 00-0038 for hauling greater than 15 miles.

31 37 00 00-0001 Random - Filter Stone (31 37)

31 37 00 00-0002	CY	10 To 50 LB Average Pieces Random, Dumped From Truck, Rip Rap.....	100.41
		<i>For Chinking Material, Add</i>	12.87
31 37 00 00-0003	CY	>50 To 100 LB Average Pieces Random, Dumped From Truck, Rip Rap.....	119.28
		<i>For Chinking Material, Add</i>	12.87



Earthwork	31	13
Earthwork Methods	31 30	
Riprap	31 37	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 37 00 00-0004 CY >100 To 200 LB Average Pieces Random, Dumped From Truck, Rip Rap.....	128.17	
<i>For Chinking Material, Add</i>	12.87	
31 37 00 00-0005 CY >200 To 300 LB Average Pieces Random, Dumped From Truck, Rip Rap.....	138.29	
<i>For Chinking Material, Add</i>	12.87	
31 37 00 00-0006 CY >300 To 600 LB Average Pieces Random, Dumped From Truck, Rip Rap.....	146.44	
<i>For Chinking Material, Add</i>	12.87	
31 37 00 00-0007 CY >600 LB Average Pieces Random, Dumped From Truck, Rip Rap.....	159.79	
31 37 00 00-0008 CY 3/8 To 1/4 CY Pieces Random, Dumped From Truck, Machine Spread And Placed Slope Protection (Keyed) Rip Rap.....	166.40	
31 37 00 00-0009 TON 10 To 50 LB Average Pieces Random, Dumped From Truck, Rip Rap.....	65.07	
31 37 00 00-0010 TON >50 To 100 LB Average Pieces Random, Dumped From Truck, Rip Rap.....	77.05	
31 37 00 00-0011 TON >100 To 200 LB Average Pieces Random, Dumped From Truck, Rip Rap.....	82.69	
31 37 00 00-0012 TON >200 To 300 LB Average Pieces Random, Dumped From Truck, Rip Rap.....	89.11	
31 37 00 00-0013 TON >300 To 600 LB Average Pieces Random, Dumped From Truck, Rip Rap.....	94.29	
31 37 00 00-0014 TON >600 LB Average Pieces Random, Dumped From Truck, Rip Rap.....	102.86	
31 37 00 00-0015 TON 3/8 To 1/4 CY Pieces Random, Dumped From Truck, Machine Spread And Placed Slope Protection (Keyed) Rip Rap.....	109.27	

31 40 Shoring And Underpinning ⁽³¹⁾

31 41 Shoring ^(31 40)

31 41 13 Timber Shoring ^(31 41)

31 41 13 00-0001 Wood Sheet Piling ^(31 41 13)

31 41 13 00-0002 Pull And Salvage ^(31 41 13 00-0001)

Note: Includes soldier beams and lagging (wales, braces and spacers). Excludes tie-backs (rock bolting) where required.

31 41 13 00-0003 SF Wood Shoring, 8' Deep Excavation, Pull And Salvage.....	11.15	
<i>For Wood Sheeting Left In Place</i>	-0.79	
31 41 13 00-0004 SF Wood Shoring, 10' Deep Excavation, Pull And Salvage.....	12.05	
<i>For Wood Sheeting Left In Place</i>	-0.95	
31 41 13 00-0005 SF Wood Shoring, 12' Deep Excavation, Pull And Salvage.....	13.05	
<i>For Wood Sheeting Left In Place</i>	-1.13	
31 41 13 00-0006 SF Wood Shoring, 14' Deep Excavation, Pull And Salvage.....	14.11	
<i>For Wood Sheeting Left In Place</i>	-1.34	
31 41 13 00-0007 SF Wood Shoring, 16' Deep Excavation, Pull And Salvage.....	15.27	
<i>For Wood Sheeting Left In Place</i>	-1.56	
31 41 13 00-0008 SF Wood Shoring, 18' Deep Excavation, Pull And Salvage.....	16.54	
<i>For Wood Sheeting Left In Place</i>	-1.81	
31 41 13 00-0009 SF Wood Shoring, 20' Deep Excavation, Pull And Salvage.....	17.92	
<i>For Wood Sheeting Left In Place</i>	-2.09	

31 41 16 Sheet Piling ^(31 41)

31 41 16 13 Steel Sheet Piling ^(31 41 16)

31 41 16 13-0001 Standard Carbon Grade Steel Sheeting - Pull And Salvage ^(31 41 16 13)

Note: Up to 3 months. 38.5 KSI steel per SF minimum. PSF indicated is for the weight of the material per square foot. Includes soldier beams and lagging (wales, braces and spacers). Excludes tie-backs (rock bolting) where required.

31 41 16 13-0002 TON Shoring For 15' Excavation, 22 PSF Steel Sheeting, Pull And Salvage.....	1,646.97	
<i>For Standard Sheeting Left In Place, Add</i>	834.62	
<i>For Lightweight Steel Sheeting 8.6 And 9.2 PSF Left In Place, Add</i>	1,198.60	
<i>For High Strength Sheeting 45,000 To 50,000 PSI Grade, Add</i>	90.99	
<i>For High Strength Sheeting 55,000 PSI Grade, Add</i>	101.10	
<i>For Lightweight Steel Sheeting 8.6 And 9.2 PSF, Add</i>	313.42	
<i>For Each Additional Month >3 Months, Add</i>	50.55	
31 41 16 13-0003 TON Shoring For 20' Excavation, 27 PSF Steel Sheeting, Pull And Salvage.....	1,708.47	
<i>For Standard Sheeting Left In Place, Add</i>	803.87	
<i>For Lightweight Steel Sheeting 8.6 And 9.2 PSF Left In Place, Add</i>	1,167.85	
<i>For High Strength Sheeting 45,000 To 50,000 PSI Grade, Add</i>	90.99	
<i>For High Strength Sheeting 55,000 PSI Grade, Add</i>	101.10	
<i>For Lightweight Steel Sheeting 8.6 And 9.2 PSF, Add</i>	313.42	
<i>For Each Additional Month >3 Months, Add</i>	50.55	
31 41 16 13-0004 TON Shoring For 25' Excavation, 38 PSF Steel Sheeting, Pull And Salvage.....	1,994.37	
<i>For Standard Sheeting Left In Place, Add</i>	660.92	
<i>For Lightweight Steel Sheeting 8.6 And 9.2 PSF Left In Place, Add</i>	1,024.90	
<i>For High Strength Sheeting 45,000 To 50,000 PSI Grade, Add</i>	90.99	
<i>For High Strength Sheeting 55,000 PSI Grade, Add</i>	101.10	
<i>For Lightweight Steel Sheeting 8.6 And 9.2 PSF, Add</i>	313.42	
<i>For Each Additional Month >3 Months, Add</i>	50.55	
31 41 16 13-0005 TON Shoring For 30' Excavation, 38 PSF Steel Sheeting, Pull And Salvage.....	2,269.48	
<i>For Standard Sheeting Left In Place, Add</i>	523.37	
<i>For Lightweight Steel Sheeting 8.6 And 9.2 PSF Left In Place, Add</i>	887.34	
<i>For High Strength Sheeting 45,000 To 50,000 PSI Grade, Add</i>	90.99	
<i>For High Strength Sheeting 55,000 PSI Grade, Add</i>	101.10	
<i>For Lightweight Steel Sheeting 8.6 And 9.2 PSF, Add</i>	313.42	
<i>For Each Additional Month >3 Months, Add</i>	50.55	

31	Earthwork
31 40	Shoring And Underpinning
31 41	Shoring



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 41 16 13-0006 TON Shoring For 35' Excavation, 38 PSF Steel Sheeting, Pull And Salvage.....	2,431.31	
For Standard Sheeting Left In Place, Add	442.45	
For Lightweight Steel Sheeting 8.6 And 9.2 PSF Left In Place, Add	806.43	
For High Strength Sheeting 45,000 To 50,000 PSI Grade, Add	90.99	
For High Strength Sheeting 55,000 PSI Grade, Add	101.10	
For Lightweight Steel Sheeting 8.6 And 9.2 PSF, Add	313.42	
For Each Additional Month >3 Months, Add	50.55	
31 41 16 13-0007 TON Shoring For 40' Excavation, 38 PSF Steel Sheeting, Pull And Salvage.....	2,596.38	
For Standard Sheeting Left In Place, Add	359.92	
For Lightweight Steel Sheeting 8.6 And 9.2 PSF Left In Place, Add	723.89	
For High Strength Sheeting 45,000 To 50,000 PSI Grade, Add	90.99	
For High Strength Sheeting 55,000 PSI Grade, Add	101.10	
For Lightweight Steel Sheeting 8.6 And 9.2 PSF, Add	313.42	
For Each Additional Month >3 Months, Add	50.55	
31 45 Vibroflotation And Densification (31 40)		
31 45 13 Vibroflotation (31 45)		
31 45 13 00-0001 LCY Soil Stabilization, Vibroflotation.....	10.63	
31 48 Underpinning (31 40)		
31 48 33 Micropile Underpinning (31 48)		
31 48 33 00-0001 Augered Micro-Pile And Grout System (31 48 33)		
31 48 33 00-0002 EA Micro-Pile Mobilization Per Job.....	1,804.88	
31 48 33 00-0003 EA Relocate And Set-up Micro-Pile Equipment At New Pile Cap Location	451.21	
31 48 33 00-0004 VLF Auger 8" Diameter Hole, Insert GEWI Micro-Pile And Grout Void	239.60	
Note: Includes GEWI piles, threadbar extensions, couplers, spacers, top nut and steel bearing plate.		
31 48 33 00-0005 VLF Auger 8" Diameter Hole, Insert GEWI Micro-Pile And Grout Void - Indoor	296.01	
Note: Includes GEWI piles, threadbar extensions, couplers, spacers, top nut and steel bearing plate.		
31 48 33 00-0006 EA Pile Load Test.....	2,256.09	
31 50 Excavation Support And Protection (31)		
31 52 Cofferdams (31 50)		
31 52 21 Portable Cofferdams (31 52)		
31 52 21 00-0001 Portable Cofferdam (31 52 21)		
Note: Excludes dewatering and pumps.		
31 52 21 00-0002 Portable Cofferdam Rental (31 52 21 00-0001)		
Note: Excludes delivery and installation.		
31 52 21 00-0003 LF 3' High x 7' Width, Portable Cofferdam, Rental Per Month	25.09	
Note: Minimum 40'		
31 52 21 00-0004 LF 4' High x 9' Width, Portable Cofferdam, Rental Per Month	32.12	
Note: Minimum 40'		
31 52 21 00-0005 LF 5' High x 11' Width, Portable Cofferdam, Rental Per Month	45.16	
Note: Minimum 40'		
31 52 21 00-0006 LF 6' High x 13' Width, Portable Cofferdam, Rental Per Month	58.21	
Note: Minimum 40'		
31 52 21 00-0007 LF 8' High x 17' Width, Portable Cofferdam, Rental Per Month	75.27	
Note: Minimum 40'		
31 52 21 00-0008 LF 10' High x 21' Width, Portable Cofferdam, Rental Per Month.....	150.54	
Note: Minimum 40'		
31 52 21 00-0009 LF 12' High x 25' Width, Portable Cofferdam, Rental Per Month.....	210.76	
Note: Minimum 40'		
31 52 21 00-0010 LF 16' High x 33' Width, Portable Cofferdam, Rental Per Month.....	298.07	
Note: Minimum 40'		
31 52 21 00-0011 Portable Cofferdam Delivery And Set-up (31 52 21 00-0001)		
Note: Excludes crane usage where required.		
31 52 21 00-0012 LF Up To 5' High, Portable Cofferdam, Delivery And Set-up In Dynamic (Rivers Or Streams) Water	9.02	
31 52 21 00-0013 LF 6' To 8' High, Portable Cofferdam, Delivery And Set-up In Dynamic (Rivers Or Streams) Water	14.43	
31 52 21 00-0014 LF 10' To 12' High, Portable Cofferdam, Delivery And Set-up In Dynamic (Rivers Or Streams) Water	21.65	
31 52 21 00-0015 LF 16' High, Portable Cofferdam, Delivery And Set-up In Dynamic (Rivers Or Streams) Water.....	28.87	
31 52 21 00-0016 LF Up To 5' High, Portable Cofferdam, Delivery And Set-up In Static (Lakes Or Ponds) Water.....	5.42	
31 52 21 00-0017 LF 6' To 8' High, Portable Cofferdam, Delivery And Set-up In Static (Lakes Or Ponds) Water.....	9.02	
31 52 21 00-0018 LF 10' To 12' High, Portable Cofferdam, Delivery And Set-up In Static (Lakes Or Ponds) Water.....	14.43	
31 52 21 00-0019 LF 16' High, Portable Cofferdam, Delivery And Set-up In Static (Lakes Or Ponds) Water.....	19.84	
31 52 21 00-0020 Portable Cofferdam Repositioning (31 52 21 00-0001)		
31 52 21 00-0021 LF Up To 5' High, Portable Cofferdam, Repositioning	4.51	
31 52 21 00-0022 LF 6' To 8' High, Portable Cofferdam, Repositioning	7.21	
31 52 21 00-0023 LF 10' To 12' High, Portable Cofferdam, Repositioning	10.82	
31 52 21 00-0024 LF 16' High, Portable Cofferdam, Repositioning	14.43	



Earthwork	31	13
Special Foundations And Load-bearing Elements	31 60	
Cofferdams	31 52	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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31 60 Special Foundations And Load-bearing Elements ⁽³¹⁾

31 62 Driven Piles ^(31 60)

31 62 13 Concrete Piles ^(31 62)

31 62 13 19 Precast Concrete Piles ^(31 62 13)

31 62 13 19-0001 Tapered Friction Piles With Fluted Steel Casing Up To 50' ^(31 62 13 19)
 Note: With 4000 PSI concrete. Excludes reinforcing.

31 62 13 19-0002	VLF 12" Diameter Tapered Friction Steel Pile, 7 Gauge	42.59
	<i>For Piles Driven In Water, Add</i>	14.92
31 62 13 19-0003	VLF 14" Diameter Tapered Friction Steel Pile, 7 Gauge	43.83
	<i>For Piles Driven In Water, Add</i>	15.81
31 62 13 19-0004	VLF 16" Diameter Tapered Friction Steel Pile, 7 Gauge	53.12
	<i>For Piles Driven In Water, Add</i>	17.62
31 62 13 19-0005	VLF 18" Diameter Tapered Friction Steel Pile, 7 Gauge	61.08
	<i>For Piles Driven In Water, Add</i>	19.45

31 62 13 19-0006 Constant Diameter Pile, End Bearing, With Fluted Steel Casing ^(31 62 13 19)
 Note: Up to 50'. Excludes reinforced.

31 62 13 19-0007	VLF 12" Diameter Constant Diameter Steel Pipe Pile, 7 Gauge	43.37
	<i>For Piles Driven In Water, Add</i>	15.00
31 62 13 19-0008	VLF 14" Diameter Constant Diameter Steel Pipe Pile, 7 Gauge	52.28
	<i>For Piles Driven In Water, Add</i>	16.66
31 62 13 19-0009	VLF 16" Diameter Constant Diameter Steel Pipe Pile, 7 Gauge	59.04
	<i>For Piles Driven In Water, Add</i>	18.22
31 62 13 19-0010	VLF 18" Diameter Constant Diameter Steel Pipe Pile, 7 Gauge	64.21
	<i>For Piles Driven In Water, Add</i>	19.76

31 62 13 19-0011 Thin Wall Shell Straight Sided ^(31 62 13 19)

31 62 13 19-0012	VLF 8" Diameter, 16 Gauge Steel Thin Wall Shell Straight Sided.....	26.21
	<i>For Piles Driven In Water, Add</i>	11.63
	<i>For Thick Wall Shell, Add</i>	0.04
31 62 13 19-0013	VLF 10" Diameter, 16 Gauge Steel Thin Wall Shell Straight Sided.....	28.94
	<i>For Piles Driven In Water, Add</i>	12.90
	<i>For Thick Wall Shell, Add</i>	0.04
31 62 13 19-0014	VLF 12" Diameter, 16 Gauge Steel Thin Wall Shell Straight Sided.....	31.66
	<i>For Piles Driven In Water, Add</i>	14.17
	<i>For Thick Wall Shell, Add</i>	0.05
31 62 13 19-0015	VLF 14" Diameter, 16 Gauge Steel Thin Wall Shell Straight Sided.....	34.39
	<i>For Piles Driven In Water, Add</i>	15.45
	<i>For Thick Wall Shell, Add</i>	0.05
31 62 13 19-0016	VLF 16" Diameter, 16 Gauge Steel Thin Wall Shell Straight Sided.....	37.13
	<i>For Piles Driven In Water, Add</i>	16.72
	<i>For Thick Wall Shell, Add</i>	0.06

31 62 13 23 Prestressed Concrete Piles ^(31 62 13)

31 62 13 23-0001 Square Piles ^(31 62 13 23)

31 62 13 23-0002	VLF 10" Prestressed Square Concrete Pile	24.10
	<i>For Piles Driven In Water, Add</i>	11.55
31 62 13 23-0003	VLF 12" Prestressed Square Concrete Pile	30.29
	<i>For Piles Driven In Water, Add</i>	13.04
31 62 13 23-0004	VLF 14" Prestressed Square Concrete Pile	36.74
	<i>For Piles Driven In Water, Add</i>	14.34
31 62 13 23-0005	VLF 16" Prestressed Square Concrete Pile	45.06
	<i>For Piles Driven In Water, Add</i>	15.94
31 62 13 23-0006	VLF 18" Prestressed Square Concrete Pile	54.76
	<i>For Piles Driven In Water, Add</i>	17.79
31 62 13 23-0007	VLF 20" Prestressed Square Concrete Pile	63.36
	<i>For Piles Driven In Water, Add</i>	19.67
31 62 13 23-0008	VLF 24" Prestressed Square Concrete Pile	80.90
	<i>For Piles Driven In Water, Add</i>	22.64

31 62 13 23-0009 Octagonal Pile ^(31 62 13 23)

31 62 13 23-0010	VLF 12" Prestressed Octagonal Concrete Pile.....	40.34
	<i>For Piles Driven In Water, Add</i>	13.46
31 62 13 23-0011	VLF 14" Prestressed Octagonal Concrete Pile.....	50.95
	<i>For Piles Driven In Water, Add</i>	15.10
31 62 13 23-0012	VLF 16" Prestressed Octagonal Concrete Pile.....	61.64
	<i>For Piles Driven In Water, Add</i>	16.83
31 62 13 23-0013	VLF 18" Prestressed Octagonal Concrete Pile.....	74.94
	<i>For Piles Driven In Water, Add</i>	18.92
31 62 13 23-0014	VLF 20" Prestressed Octagonal Concrete Pile.....	138.15
	<i>For Piles Driven In Water, Add</i>	26.13
31 62 13 23-0015	VLF 24" Prestressed Octagonal Concrete Pile.....	84.53
	<i>For Piles Driven In Water, Add</i>	21.79

31	31 Earthwork
	31 60 Special Foundations And Load-bearing Elements
	31 62 Driven Piles



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 62 13 23-0016 Straight Cylinder <small>(31 62 13 23)</small>		
31 62 13 23-0017 VLF 12" Diameter Prestressed Concrete Pile 2-3/8" Wall, Straight Cylinder..... <i>For Piles Driven In Water, Add</i>	30.04 11.90	
31 62 13 23-0018 VLF 14" Diameter Prestressed Concrete Pile 2-1/2" Wall, Straight Cylinder..... <i>For Piles Driven In Water, Add</i>	35.24 12.95	
31 62 13 23-0019 VLF 16" Diameter Prestressed Concrete Pile 3" Wall, Straight Cylinder..... <i>For Piles Driven In Water, Add</i>	41.37 14.15	
31 62 13 23-0020 VLF 18" Diameter Prestressed Concrete Pile 3" Wall, Straight Cylinder..... <i>For Piles Driven In Water, Add</i>	46.58 15.32	
31 62 13 23-0021 VLF 20" Diameter Prestressed Concrete Pile 3-1/2" Wall, Straight Cylinder..... <i>For Piles Driven In Water, Add</i>	57.88 17.22	
31 62 13 23-0022 VLF 24" Diameter Prestressed Concrete Pile 3-1/2" Wall, Straight Cylinder..... <i>For Piles Driven In Water, Add</i>	70.94 19.41	
31 62 16 Steel Piles <small>(31 62)</small>		
31 62 16 16 Steel H Piles <small>(31 62 16)</small>		
31 62 16 16-0001 Steel H-Section Piles <small>(31 62 16 16)</small>		
31 62 16 16-0002 VLF 8 x 8 x 36 LB/FT Driven Steel H-Section Pile Rolled Steel..... <i>For Piles Driven In Water, Add</i>	40.41 14.05	
31 62 16 16-0003 VLF 10 x 10 x 42 LB/FT Driven Steel H-Section Pile Rolled Steel..... <i>For Piles Driven In Water, Add</i>	45.85 15.09	
31 62 16 16-0004 VLF 10 x 10 x 57 LB/FT Driven Steel H-Section Pile Rolled Steel..... <i>For Piles Driven In Water, Add</i>	58.05 16.31	
31 62 16 16-0005 VLF 12 x 12 x 53 LB/FT Driven Steel H-Section Pile Rolled Steel..... <i>For Piles Driven In Water, Add</i>	55.14 16.32	
31 62 16 16-0006 VLF 12 x 12 x 63 LB/FT Driven Steel H-Section Pile Rolled Steel..... <i>For Piles Driven In Water, Add</i>	63.27 17.14	
31 62 16 16-0007 VLF 12 x 12 x 74 LB/FT Driven Steel H-Section Pile Rolled Steel..... <i>For Piles Driven In Water, Add</i>	73.24 19.04	
31 62 16 16-0008 VLF 12 x 12 x 84 LB/FT Driven Steel H-Section Pile Rolled Steel..... <i>For Piles Driven In Water, Add</i>	81.37 19.86	
31 62 16 16-0009 VLF 14 x 14 x 73 LB/FT Driven Steel H-Section Pile Rolled Steel..... <i>For Piles Driven In Water, Add</i>	72.73 19.27	
31 62 16 16-0010 VLF 14 x 14 x 89 LB/FT Driven Steel H-Section Pile Rolled Steel..... <i>For Piles Driven In Water, Add</i>	86.56 20.65	
31 62 16 16-0011 VLF 14 x 14 x 102 LB/FT Driven Steel H-Section Pile Rolled Steel..... <i>For Piles Driven In Water, Add</i>	97.44 22.74	
31 62 16 16-0012 VLF 14 x 14 x 117 LB/FT Driven Steel H-Section Pile Rolled Steel..... <i>For Piles Driven In Water, Add</i>	110.46 24.04	
31 62 16 16-0013 Splices, Caps, And Points For H-Piles <small>(31 62 16 16)</small>		
31 62 16 16-0014 EA 8" H-Section Pile Splice Rolled Steel.....	309.98	
31 62 16 16-0015 EA 10" H-Section Pile Splice Rolled Steel.....	367.78	
31 62 16 16-0016 EA 12" H-Section Pile Splice Rolled Steel.....	487.81	
31 62 16 16-0017 EA 14" H-Section Pile Splice Rolled Steel.....	516.71	
31 62 16 16-0018 EA 8" H-Section Driving Cap Rolled Steel.....	4,720.97	
31 62 16 16-0019 EA 10" H-Section Driving Cap Rolled Steel.....	4,720.97	
31 62 16 16-0020 EA 12" H-Section Driving Cap Rolled Steel.....	4,768.80	
31 62 16 16-0021 EA 14" H-Section Driving Cap Rolled Steel.....	7,225.17	
31 62 16 16-0022 EA 8" H-Section Standard Point Standard, Rolled Steel.....	338.88	
31 62 16 16-0023 EA 10" H-Section Standard Point Standard, Rolled Steel.....	367.78	
31 62 16 16-0024 EA 12" H-Section Standard Point Standard, Rolled Steel.....	487.81	
31 62 16 16-0025 EA 14" H-Section Standard Point Standard, Rolled Steel.....	574.51	
31 62 16 16-0026 EA 10" H-Section Standard Point Heavy Duty, Rolled Steel.....	487.81	
31 62 16 16-0027 EA 14" H-Section Standard Point Heavy Duty, Rolled Steel.....	630.48	
31 62 16 19 Unfilled Tubular Steel Piles <small>(31 62 16)</small>		
31 62 16 19-0001 Pipe Piles, Non-Filled <small>(31 62 16 19)</small>		
31 62 16 19-0002 VLF 8" Diameter Non-Filled Steel Pipe Piles..... <i>For Piles Driven In Water, Add</i>	27.76 15.58	
31 62 16 19-0003 VLF 10" Diameter Non-Filled Steel Pipe Piles..... <i>For Piles Driven In Water, Add</i>	31.15 15.92	
31 62 16 19-0004 VLF 12" Diameter Non-Filled Steel Pipe Piles..... <i>For Piles Driven In Water, Add</i>	35.88 17.07	
31 62 16 19-0005 VLF 14" Diameter Non-Filled Steel Pipe Piles..... <i>For Piles Driven In Water, Add</i>	38.96 18.79	
31 62 16 19-0006 VLF 16" Diameter Non-Filled Steel Pipe Piles..... <i>For Piles Driven In Water, Add</i>	43.36 20.96	
31 62 16 19-0007 VLF 18" Diameter Non-Filled Steel Pipe Piles..... <i>For Piles Driven In Water, Add</i>	52.37 23.27	
31 62 16 19-0008 Splices And Points For Pipe Pile <small>(31 62 16 19)</small>		
31 62 16 19-0009 Splice <small>(31 62 16 19-0008)</small>		
31 62 16 19-0010 EA 8" Diameter Pipe Pile Splice Steel.....	204.26	
31 62 16 19-0011 EA 10" Diameter Pipe Pile Splice Steel.....	215.22	



Earthwork	31
Special Foundations And Load-bearing Elements	31 60
Driven Piles	31 62

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 62 16 19-0012 EA 12" Diameter Pipe Pile Splice Steel	283.98	
31 62 16 19-0013 EA 14" Diameter Pipe Pile Splice Steel	294.79	
31 62 16 19-0014 EA 16" Diameter Pipe Pile Splice Steel	350.20	
31 62 16 19-0015 EA 18" Diameter Pipe Pile Splice Steel	416.75	
31 62 16 19-0016 Standard Point <small>(31 62 16 19-0008)</small>		
31 62 16 19-0017 EA 8" Diameter Steel Pipe Pile Standard Point	210.82	
31 62 16 19-0018 EA 10" Diameter Steel Pipe Pile Standard Point	219.60	
31 62 16 19-0019 EA 12" Diameter Steel Pipe Pile Standard Point	247.07	
31 62 16 19-0020 EA 14" Diameter Steel Pipe Pile Standard Point	271.21	
31 62 16 19-0021 EA 16" Diameter Steel Pipe Pile Standard Point	293.16	
31 62 16 19-0022 EA 18" Diameter Steel Pipe Pile Standard Point	339.69	
31 62 16 19-0023 Heavy Duty Point <small>(31 62 16 19-0008)</small>		
31 62 16 19-0024 EA 10" Diameter Steel Pipe Pile Point Heavy Duty	312.62	
31 62 16 19-0025 EA 12" Diameter Steel Pipe Pile Point Heavy Duty	323.59	
31 62 16 19-0026 EA 14" Diameter Steel Pipe Pile Point Heavy Duty	360.58	
31 62 16 19-0027 EA 16" Diameter Steel Pipe Pile Point Heavy Duty	404.48	
31 62 16 19-0028 EA 18" Diameter Steel Pipe Pile Point Heavy Duty	448.94	
31 62 19 Timber Piles <small>(31 62)</small>		
31 62 19 00-0001 Treated Wood Piles, Friction Or End Bearing 12 LB <small>(31 62 19)</small>		
<i>Note: Penta-treated/CF.</i>		
31 62 19 00-0002 LF 12" Butt x 8" Tip Treated Wood Piles Up To 30'	29.02	
<i>For Piles Driven In Water, Add</i>		11.79
<i>For Untreated Pile, Deduct</i>		-7.08
<i>For Each Pile Tip Point, Add</i>		12.50
<i>For Each Pile Butt, Driving Cap, Add</i>		20.10
<i>For Each Splice For Pile >50', Add</i>		139.40
31 62 19 00-0003 LF 12" Butt x 8" Tip Treated Wood Piles 30' To 39'	30.47	
<i>For Piles Driven In Water, Add</i>		13.06
<i>For Untreated Pile, Deduct</i>		-7.16
<i>For Each Pile Tip Point, Add</i>		12.50
<i>For Each Pile Butt, Driving Cap, Add</i>		20.10
<i>For Each Splice For Pile >50', Add</i>		139.40
31 62 19 00-0004 LF 12" Butt x 7" Tip Treated Wood Pile 40' To 49'	32.08	
<i>For Piles Driven In Water, Add</i>		13.87
<i>For Untreated Pile, Deduct</i>		-7.49
<i>For Each Pile Tip Point, Add</i>		12.50
<i>For Each Pile Butt, Driving Cap, Add</i>		20.10
<i>For Each Splice For Pile >50', Add</i>		139.40
31 62 19 00-0005 LF 13" Butt x 7" Tip Treated Wood Pile 50' To 59'	34.47	
<i>For Piles Driven In Water, Add</i>		15.45
<i>For Untreated Pile, Deduct</i>		-7.82
<i>For Each Pile Tip Point, Add</i>		12.50
<i>For Each Pile Butt, Driving Cap, Add</i>		20.10
<i>For Each Splice For Pile >50', Add</i>		139.40
31 62 19 00-0006 LF 13" Butt x 6" Tip Wood Pile 60' To 69'	43.10	
<i>For Piles Driven In Water, Add</i>		17.65
<i>For Untreated Pile, Deduct</i>		-10.46
<i>For Each Pile Tip Point, Add</i>		12.50
<i>For Each Pile Butt, Driving Cap, Add</i>		20.10
<i>For Each Splice For Pile >50', Add</i>		139.40
31 62 19 00-0007 LF 13" Butt x 6" Tip Wood Pile 70' To 79'	53.96	
<i>For Piles Driven In Water, Add</i>		21.41
<i>For Untreated Pile, Deduct</i>		-13.38
<i>For Each Pile Tip Point, Add</i>		12.50
<i>For Each Pile Butt, Driving Cap, Add</i>		20.10
<i>For Each Splice For Pile >50', Add</i>		139.40
31 62 23 Composite Piles <small>(31 62)</small>		
31 62 23 13 Concrete-Filled Steel Piles <small>(31 62 23)</small>		
31 62 23 13-0001 Concrete Filled Pipe Piles <small>(31 62 23 13)</small>		
<i>Note: All material included in cost.</i>		
31 62 23 13-0002 VLF 8" Diameter Concrete Filled Steel Pipe Piles, 29 LB/FT	30.89	
<i>For Piles Driven In Water, Add</i>		17.00
31 62 23 13-0003 VLF 10" Diameter Concrete Filled Steel Pipe Piles, 34 LB/FT	35.73	
<i>For Piles Driven In Water, Add</i>		17.79
31 62 23 13-0004 VLF 12" Diameter Concrete Filled Steel Pipe Piles, 42 LB/FT	42.34	
<i>For Piles Driven In Water, Add</i>		19.66
31 62 23 13-0005 VLF 14" Diameter Concrete Filled Steel Pipe Piles, 46 LB/FT	47.57	
<i>For Piles Driven In Water, Add</i>		22.79
31 62 23 13-0006 VLF 16" Diameter Concrete Filled Steel Pipe Piles, 52 LB/FT	52.89	
<i>For Piles Driven In Water, Add</i>		24.40
31 62 23 13-0007 VLF 18" Diameter Concrete Filled Steel Pipe Piles, 59 LB/FT	63.93	
<i>For Piles Driven In Water, Add</i>		27.05

31	31 Earthwork
	31 60 Special Foundations And Load-bearing Elements
	31 63 Bored Piles



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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31 63 Bored Piles (31 60)

31 63 36 Drilled Steel Piles (31 63)

31 63 36 00-0001 Drill Hole (31 63 36)
Note: Excludes removal of excess material.

31 63 36 00-0002 Mobilization (31 63 36 00-0001)

31 63 36 00-0003 EA	Drilling Mobilization, >12" To 24" Diameter Hole	676.83
31 63 36 00-0004 EA	Drilling Mobilization, >24" Diameter Hole.....	902.44

31 63 36 00-0005 Drill Hole In Soil (31 63 36 00-0001)

31 63 36 00-0006 LF	18" Hole Drilled/Auger Up To 24' Depth.....	39.32
31 63 36 00-0007 LF	20" Hole Drilled/Auger Up To 24' Depth.....	45.72
31 63 36 00-0008 LF	22" Hole Drilled/Auger Up To 24' Depth.....	53.72
31 63 36 00-0009 LF	24" Hole Drilled/Auger Up To 24' Depth.....	63.32
31 63 36 00-0010 LF	26" Hole Drilled/Auger Up To 24' Depth.....	68.44
31 63 36 00-0011 LF	28" Hole Drilled/Auger Up To 24' Depth.....	75.30
31 63 36 00-0012 LF	30" Hole Drilled/Auger Up To 24' Depth.....	82.48

31 63 36 00-0013 Steel H-Section Piles (31 63 36)

31 63 36 00-0014 Steel H-Section Piles Placed In Drilled Hole (31 63 36 00-0013)

Note: Includes guides, bracing and alignment.

31 63 36 00-0015 VLF	8 x 8 x 36 LB/FT Steel H-Section Pile Rolled Steel.....	39.20
	<i>For >2,400 To 3,600, Deduct</i>	-1.23
	<i>For >3,600 To 4,800, Deduct</i>	-2.46
	<i>For >4,800 To 6,000, Deduct</i>	-4.42
	<i>For >6,000, Deduct</i>	-6.38
31 63 36 00-0016 VLF	10 x 10 x 42 LB/FT Steel H-Section Pile Rolled Steel.....	44.58
	<i>For >2,400 To 3,600, Deduct</i>	-1.37
	<i>For >3,600 To 4,800, Deduct</i>	-2.75
	<i>For >4,800 To 6,000, Deduct</i>	-4.98
	<i>For >6,000, Deduct</i>	-7.21
31 63 36 00-0017 VLF	10 x 10 x 57 LB/FT Steel H-Section Pile Rolled Steel.....	56.78
	<i>For >2,400 To 3,600, Deduct</i>	-1.68
	<i>For >3,600 To 4,800, Deduct</i>	-3.36
	<i>For >4,800 To 6,000, Deduct</i>	-6.20
	<i>For >6,000, Deduct</i>	-9.04
31 63 36 00-0018 VLF	12 x 12 x 53 LB/FT Steel H-Section Pile Rolled Steel.....	53.83
	<i>For >2,400 To 3,600, Deduct</i>	-1.61
	<i>For >3,600 To 4,800, Deduct</i>	-3.23
	<i>For >4,800 To 6,000, Deduct</i>	-5.92
	<i>For >6,000, Deduct</i>	-8.61
31 63 36 00-0019 VLF	12 x 12 x 63 LB/FT Steel H-Section Pile Rolled Steel.....	61.96
	<i>For >2,400 To 3,600, Deduct</i>	-1.82
	<i>For >3,600 To 4,800, Deduct</i>	-3.63
	<i>For >4,800 To 6,000, Deduct</i>	-6.73
	<i>For >6,000, Deduct</i>	-9.83
31 63 36 00-0020 VLF	12 x 12 x 74 LB/FT Steel H-Section Pile Rolled Steel.....	71.81
	<i>For >2,400 To 3,600, Deduct</i>	-2.09
	<i>For >3,600 To 4,800, Deduct</i>	-4.17
	<i>For >4,800 To 6,000, Deduct</i>	-7.76
	<i>For >6,000, Deduct</i>	-11.35
31 63 36 00-0021 VLF	12 x 12 x 84 LB/FT Steel H-Section Pile Rolled Steel.....	79.94
	<i>For >2,400 To 3,600, Deduct</i>	-2.29
	<i>For >3,600 To 4,800, Deduct</i>	-4.58
	<i>For >4,800 To 6,000, Deduct</i>	-8.57
	<i>For >6,000, Deduct</i>	-12.57
31 63 36 00-0022 VLF	14 x 14 x 73 LB/FT Steel H-Section Pile Rolled Steel.....	71.28
	<i>For >2,400 To 3,600, Deduct</i>	-2.08
	<i>For >3,600 To 4,800, Deduct</i>	-4.16
	<i>For >4,800 To 6,000, Deduct</i>	-7.72
	<i>For >6,000, Deduct</i>	-11.29
31 63 36 00-0023 VLF	14 x 14 x 89 LB/FT Steel H-Section Pile Rolled Steel.....	85.11
	<i>For >2,400 To 3,600, Deduct</i>	-2.42
	<i>For >3,600 To 4,800, Deduct</i>	-4.85
	<i>For >4,800 To 6,000, Deduct</i>	-9.11
	<i>For >6,000, Deduct</i>	-13.36
31 63 36 00-0024 VLF	14 x 14 x 102 LB/FT Steel H-Section Pile Rolled Steel.....	95.87
	<i>For >2,400 To 3,600, Deduct</i>	-2.72
	<i>For >3,600 To 4,800, Deduct</i>	-5.44
	<i>For >4,800 To 6,000, Deduct</i>	-10.23
	<i>For >6,000, Deduct</i>	-15.02
31 63 36 00-0025 VLF	14 x 14 x 117 LB/FT Steel H-Section Pile Rolled Steel.....	108.89
	<i>For >2,400 To 3,600, Deduct</i>	-3.04
	<i>For >3,600 To 4,800, Deduct</i>	-6.09
	<i>For >4,800 To 6,000, Deduct</i>	-11.53
	<i>For >6,000, Deduct</i>	-16.98

31 63 36 00-0026 Welded Steel Stud Pins (31 63 36 00-0013)

Note: Includes welding to steel piles.



Earthwork	31
Special Foundations And Load-bearing Elements	31 60
Bored Piles	31 63

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 63 36 00-0027 EA 5/8" Diameter x 2-1/2" Long, Welded Stud Pins	10.74	
For >50 To 150, Deduct	-0.49	
For >150 To 250, Deduct	-1.01	
For >250 To 500, Deduct	-1.52	
For >500, Deduct	-2.04	
31 63 36 00-0028 EA 5/8" Diameter x 5" Long, Welded Stud Pins.....	11.63	
For >50 To 150, Deduct	-0.49	
For >150 To 250, Deduct	-1.03	
For >250 To 500, Deduct	-1.57	
For >500, Deduct	-2.11	
31 63 36 00-0029 EA 5/8" Diameter x 7" Long, Welded Stud Pins.....	12.48	
For >50 To 150, Deduct	-0.49	
For >150 To 250, Deduct	-1.05	
For >250 To 500, Deduct	-1.61	
For >500, Deduct	-2.17	
31 63 36 00-0030 EA 3/4" Diameter x 2-1/2" Long, Welded Stud Pins	11.76	
For >50 To 150, Deduct	-0.52	
For >150 To 250, Deduct	-1.07	
For >250 To 500, Deduct	-1.62	
For >500, Deduct	-2.18	
31 63 36 00-0031 EA 3/4" Diameter x 5" Long, Welded Stud Pins.....	13.10	
For >50 To 150, Deduct	-0.52	
For >150 To 250, Deduct	-1.10	
For >250 To 500, Deduct	-1.69	
For >500, Deduct	-2.28	
31 63 36 00-0032 EA 3/4" Diameter x 7" Long, Welded Stud Pins.....	14.04	
For >50 To 150, Deduct	-0.52	
For >150 To 250, Deduct	-1.13	
For >250 To 500, Deduct	-1.74	
For >500, Deduct	-2.35	
31 63 36 00-0033 EA 7/8" Diameter x 2-1/2" Long, Welded Stud Pins	12.98	
For >50 To 150, Deduct	-0.54	
For >150 To 250, Deduct	-1.13	
For >250 To 500, Deduct	-1.73	
For >500, Deduct	-2.32	
31 63 36 00-0034 EA 7/8" Diameter x 5" Long, Welded Stud Pins.....	15.17	
For >50 To 150, Deduct	-0.54	
For >150 To 250, Deduct	-1.19	
For >250 To 500, Deduct	-1.84	
For >500, Deduct	-2.49	
31 63 36 00-0035 EA 7/8" Diameter x 7" Long, Welded Stud Pins.....	16.24	
For >50 To 150, Deduct	-0.54	
For >150 To 250, Deduct	-1.22	
For >250 To 500, Deduct	-1.89	
For >500, Deduct	-2.57	
31 63 36 00-0036 Concrete Fill <small>(31 63 36)</small>		
See CSI section 03 31 13 00-0088 for pumping equipment.		
31 63 36 00-0037 VLF 18" Diameter Hole Pumped Concrete Fill For Drilled Pile.....	37.75	
31 63 36 00-0038 VLF 20" Diameter Hole Pumped Concrete Fill For Drilled Pile.....	41.93	
31 63 36 00-0039 VLF 22" Diameter Hole Pumped Concrete Fill For Drilled Pile.....	46.13	
31 63 36 00-0040 VLF 24" Diameter Hole Pumped Concrete Fill For Drilled Pile.....	50.33	
31 63 36 00-0041 VLF 26" Diameter Hole Pumped Concrete Fill For Drilled Pile.....	54.53	
31 63 36 00-0042 VLF 28" Diameter Hole Pumped Concrete Fill For Drilled Pile.....	58.72	
31 63 36 00-0043 VLF 30" Diameter Hole Pumped Concrete Fill For Drilled Pile.....	68.52	
31 64 Caissons <small>(31 60)</small>		
31 64 13 Box Caissons <small>(31 64)</small>		
31 64 13 00-0001 Caisson In Stable Ground No Casing Or Ground Water <small>(31 64 13)</small>		
Note: Up to 50' deep. See CSI section 31 64 13 00-0070 for equipment set-up.		
31 64 13 00-0002 Caisson In Stable Ground <small>(31 64 13 00-0001)</small>		
Note: Includes 3000 PSI concrete and reinforcing.		
31 64 13 00-0003 VLF 18" Diameter Caisson, No Casing Stable Ground, No Ground Water	48.21	
Note: 0.066 CY Concrete per VLF, 9 lbs rebar per VLF.		
For >50' To 100' Deep, Add	5.00	
For >100' To 150' Deep, Add	12.05	
For >150' To 200' Deep, Add	16.50	
For Right Angle Drilling, Add	11.78	
31 64 13 00-0004 VLF 24" Diameter Caisson, No Casing Stable Ground, No Ground Water	62.68	
Note: 0.116 CY Concrete per VLF, 14 lbs rebar per VLF.		
For >50' To 100' Deep, Add	7.09	
For >100' To 150' Deep, Add	15.67	
For >150' To 200' Deep, Add	22.18	
For Right Angle Drilling, Add	13.50	
31 64 13 00-0005 VLF 30" Diameter Caisson, No Casing Stable Ground, No Ground Water	90.62	
Note: 0.182 CY Concrete per VLF, 23 lbs rebar per VLF.		
For >50' To 100' Deep, Add	10.67	
For >100' To 150' Deep, Add	22.66	
For >150' To 200' Deep, Add	32.59	
For Right Angle Drilling, Add	18.21	

31 Earthwork**31 60 Special Foundations And Load-bearing Elements****31 64 Caissons**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 64 13 00-0006	VLF	36" Diameter Caisson, No Casing Stable Ground, No Ground Water Note: 0.262 CY Concrete per VLF, 33 lbs rebar per VLF.	121.61	
		<i>For >50' To 100' Deep, Add</i>	14.73	
		<i>For >100' To 150' Deep, Add</i>	30.40	
		<i>For >150' To 200' Deep, Add</i>	44.25	
		<i>For Right Angle Drilling, Add</i>	23.15	
31 64 13 00-0007	VLF	42" Diameter Caisson, No Casing Stable Ground, No Ground Water Note: 0.356 CY Concrete per VLF, 48 lbs rebar per VLF.	158.99	
		<i>For >50' To 100' Deep, Add</i>	19.87	
		<i>For >100' To 150' Deep, Add</i>	39.75	
		<i>For >150' To 200' Deep, Add</i>	58.63	
		<i>For Right Angle Drilling, Add</i>	28.33	
31 64 13 00-0008	VLF	48" Diameter Caisson No Casing Stable Ground, No Ground Water Note: 0.465 CY Concrete per VLF, 57 lbs rebar per VLF.	191.79	
		<i>For >50' To 100' Deep, Add</i>	24.31	
		<i>For >100' To 150' Deep, Add</i>	47.95	
		<i>For >150' To 200' Deep, Add</i>	71.15	
		<i>For Right Angle Drilling, Add</i>	33.10	
31 64 13 00-0009	VLF	54" Diameter Caisson No Casing Stable Ground, No Ground Water Note: 0.589 CY Concrete per VLF, 76 lbs rebar per VLF.	235.52	
		<i>For >50' To 100' Deep, Add</i>	30.63	
		<i>For >100' To 150' Deep, Add</i>	58.88	
		<i>For >150' To 200' Deep, Add</i>	88.33	
		<i>For Right Angle Drilling, Add</i>	38.24	
31 64 13 00-0010	VLF	60" Diameter Caisson No Casing Stable Ground, No Ground Water Note: 0.727 CY Concrete per VLF, 93 lbs rebar per VLF.	279.29	
		<i>For >50' To 100' Deep, Add</i>	36.94	
		<i>For >100' To 150' Deep, Add</i>	69.82	
		<i>For >150' To 200' Deep, Add</i>	105.53	
		<i>For Right Angle Drilling, Add</i>	43.39	
31 64 13 00-0011	VLF	66" Diameter Caisson No Casing Stable Ground, No Ground Water Note: 0.88 CY Concrete per VLF, 113 lbs rebar per VLF.	328.81	
		<i>For >50' To 100' Deep, Add</i>	44.06	
		<i>For >100' To 150' Deep, Add</i>	82.20	
		<i>For >150' To 200' Deep, Add</i>	124.95	
		<i>For Right Angle Drilling, Add</i>	49.31	
31 64 13 00-0012	VLF	72" Diameter Caisson No Casing Stable Ground, No Ground Water Note: 1.047 CY Concrete per VLF, 134 lbs rebar per VLF.	386.54	
		<i>For >50' To 100' Deep, Add</i>	52.41	
		<i>For >100' To 150' Deep, Add</i>	96.64	
		<i>For >150' To 200' Deep, Add</i>	147.66	
		<i>For Right Angle Drilling, Add</i>	56.05	
31 64 13 00-0013	VLF	78" Diameter Caisson No Casing Stable Ground, No Ground Water Note: 1.229 CY Concrete per VLF, 157 lbs rebar per VLF.	444.07	
		<i>For >50' To 100' Deep, Add</i>	60.84	
		<i>For >100' To 150' Deep, Add</i>	111.02	
		<i>For >150' To 200' Deep, Add</i>	170.42	
		<i>For Right Angle Drilling, Add</i>	62.43	
31 64 13 00-0014	VLF	84" Diameter Caisson No Casing Stable Ground, No Ground Water Note: 1.425 CY Concrete per VLF, 183 lbs rebar per VLF.	505.63	
		<i>For >50' To 100' Deep, Add</i>	69.91	
		<i>For >100' To 150' Deep, Add</i>	126.41	
		<i>For >150' To 200' Deep, Add</i>	194.83	
		<i>For Right Angle Drilling, Add</i>	69.12	
31 64 13 00-0015		For Bell Excavation And Concrete, Add <small>(31 64 13 00-0001)</small>		
31 64 13 00-0016	EA	Bell Excavation And Concrete, 4' Bell Diameter Stable Ground, 24" Shaft, 0.44 CY <i>For >50' To 100' Deep, Add</i>	333.42	
		<i>For >100' To 150' Deep, Add</i>	27.74	
		<i>For >150' To 200' Deep, Add</i>	83.36	
31 64 13 00-0017	EA	Bell Excavation And Concrete, 6' Bell Diameter Stable Ground, 30" Shaft, 1.57 CY <i>For >50' To 100' Deep, Add</i>	1,172.48	
		<i>For >100' To 150' Deep, Add</i>	97.73	
		<i>For >150' To 200' Deep, Add</i>	293.12	
31 64 13 00-0018	EA	Bell Excavation And Concrete, 7' Bell Diameter Stable Ground, 36" Shaft, 2.33 CY <i>For >50' To 100' Deep, Add</i>	1,778.80	
		<i>For >100' To 150' Deep, Add</i>	150.85	
		<i>For >150' To 200' Deep, Add</i>	444.70	
31 64 13 00-0019	EA	Bell Excavation And Concrete, 8' Bell Diameter Stable Ground, 42" Shaft, 3.30 CY <i>For >50' To 100' Deep, Add</i>	2,470.09	
		<i>For >100' To 150' Deep, Add</i>	209.92	
		<i>For >150' To 200' Deep, Add</i>	617.52	
31 64 13 00-0020	EA	Bell Excavation And Concrete, 9' Bell Diameter Stable Ground, 48" Shaft, 4.48 CY <i>For >50' To 100' Deep, Add</i>	3,340.35	
		<i>For >100' To 150' Deep, Add</i>	278.34	
		<i>For >150' To 200' Deep, Add</i>	835.09	
31 64 13 00-0021	EA	Bell Excavation And Concrete, 10' Bell Diameter Stable Ground, 60" Shaft, 5.24 CY <i>For >50' To 100' Deep, Add</i>	3,927.43	
		<i>For >100' To 150' Deep, Add</i>	327.10	
		<i>For >150' To 200' Deep, Add</i>	981.86	
31 64 13 00-0022	EA	Bell Excavation And Concrete, 12' Bell Diameter Stable Ground, 72" Shaft, 8.74 CY <i>For >50' To 100' Deep, Add</i>	6,658.29	
		<i>For >100' To 150' Deep, Add</i>	553.33	
		<i>For >150' To 200' Deep, Add</i>	1,664.57	
			2,106.55	



Earthwork	31
Special Foundations And Load-bearing Elements	31 60
Caissons	31 64

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 64 13 00-0023 EA Bell Excavation And Concrete, 14' Bell Diameter Stable Ground, 84" Shaft, 13.6 CY	9,645.80	
For >50' To 100' Deep, Add	810.56	
For >100' To 150' Deep, Add	2,411.45	
For >150' To 200' Deep, Add	3,062.93	
31 64 13 00-0024 Caisson In Wet Ground, Casing Pulled <small>(31 64 13)</small>		
Note: Up to 50' deep. See CSI section 31 64 13 00-0070 for equipment set-up.		
31 64 13 00-0025 Caisson In Wet Ground <small>(31 64 13 00-0024)</small>		
Note: Includes 3000 PSI concrete and reinforcing.		
31 64 13 00-0026 VLF 18" Diameter Caisson Wet Ground, Casing Pulled.....	52.19	
Note: 0.066 CY Concrete per VLF, 9 lbs rebar per VLF.		
For >50' To 100' Deep, Add	5.28	
For >100' To 150' Deep, Add	13.05	
For >150' To 200' Deep, Add	17.69	
For Right Angle Drilling, Add	13.20	
31 64 13 00-0027 VLF 24" Diameter Caisson Wet Ground, Casing Pulled.....	86.94	
Note: 0.116 CY Concrete per VLF, 14 lbs rebar per VLF.		
For >50' To 100' Deep, Add	8.79	
For >100' To 150' Deep, Add	21.74	
For >150' To 200' Deep, Add	29.46	
For Right Angle Drilling, Add	21.99	
31 64 13 00-0028 VLF 30" Diameter Caisson Wet Ground, Casing Pulled.....	117.85	
Note: 0.182 CY Concrete per VLF, 23 lbs rebar per VLF.		
For >50' To 100' Deep, Add	12.57	
For >100' To 150' Deep, Add	29.46	
For >150' To 200' Deep, Add	40.76	
For Right Angle Drilling, Add	27.74	
31 64 13 00-0029 VLF 36" Diameter Caisson Wet Ground, Casing Pulled.....	162.76	
Note: 0.262 CY Concrete per VLF, 33 lbs rebar per VLF.		
For >50' To 100' Deep, Add	17.61	
For >100' To 150' Deep, Add	40.69	
For >150' To 200' Deep, Add	56.59	
For Right Angle Drilling, Add	37.55	
31 64 13 00-0030 VLF 42" Diameter Caisson Wet Ground, Casing Pulled.....	209.85	
Note: 0.356 CY Concrete per VLF, 48 lbs rebar per VLF.		
For >50' To 100' Deep, Add	23.43	
For >100' To 150' Deep, Add	52.46	
For >150' To 200' Deep, Add	73.88	
For Right Angle Drilling, Add	46.13	
31 64 13 00-0031 VLF 48" Diameter Caisson Wet Ground, Casing Pulled.....	252.17	
Note: 0.465 CY Concrete per VLF, 57 lbs rebar per VLF.		
For >50' To 100' Deep, Add	28.54	
For >100' To 150' Deep, Add	63.04	
For >150' To 200' Deep, Add	89.26	
For Right Angle Drilling, Add	54.23	
31 64 13 00-0032 VLF 54" Diameter Caisson Wet Ground, Casing Pulled.....	326.35	
Note: 0.589 CY Concrete per VLF, 76 lbs rebar per VLF.		
For >50' To 100' Deep, Add	36.99	
For >100' To 150' Deep, Add	81.59	
For >150' To 200' Deep, Add	115.58	
For Right Angle Drilling, Add	70.03	
31 64 13 00-0033 VLF 60" Diameter Caisson Wet Ground, Casing Pulled.....	399.78	
Note: 0.727 CY Concrete per VLF, 93 lbs rebar per VLF.		
For >50' To 100' Deep, Add	45.38	
For >100' To 150' Deep, Add	99.95	
For >150' To 200' Deep, Add	141.68	
For Right Angle Drilling, Add	85.57	
31 64 13 00-0034 VLF 66" Diameter Caisson Wet Ground, Casing Pulled.....	460.64	
Note: 0.87 CY Concrete per VLF, 113 lbs rebar per VLF.		
For >50' To 100' Deep, Add	53.29	
For >100' To 150' Deep, Add	115.16	
For >150' To 200' Deep, Add	164.50	
For Right Angle Drilling, Add	95.45	
31 64 13 00-0035 VLF 72" Diameter Caisson Wet Ground, Casing Pulled.....	529.69	
Note: 1.047 CY Concrete per VLF, 134 lbs rebar per VLF.		
For >50' To 100' Deep, Add	62.43	
For >100' To 150' Deep, Add	132.42	
For >150' To 200' Deep, Add	190.60	
For Right Angle Drilling, Add	106.16	
31 64 13 00-0036 VLF 78" Diameter Caisson Wet Ground, Casing Pulled.....	606.01	
Note: 1.229 CY Concrete per VLF, 157 lbs rebar per VLF.		
For >50' To 100' Deep, Add	72.18	
For >100' To 150' Deep, Add	151.50	
For >150' To 200' Deep, Add	219.00	
For Right Angle Drilling, Add	119.11	
31 64 13 00-0037 VLF 84" Diameter Caisson Wet Ground, Casing Pulled.....	686.70	
Note: 1.425 CY Concrete per VLF, 183 lbs rebar per VLF.		
For >50' To 100' Deep, Add	82.58	
For >100' To 150' Deep, Add	171.68	
For >150' To 200' Deep, Add	249.15	
For Right Angle Drilling, Add	132.50	

31 64 13 00-0038 For Bell Excavation And Concrete, Add (31 64 13 00-0024)

31 Earthwork**31 60 Special Foundations And Load-bearing Elements****31 64 Caissons**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	31 64 13 00-0039	EA	Bell Excavation And Concrete, 4' Bell Diameter Wet Ground 24" Shaft, 0.44 CY.....	377.39	
			<i>For >50' To 100' Deep, Add</i>	30.82	
			<i>For >100' To 150' Deep, Add</i>	94.35	
			<i>For >150' To 200' Deep, Add</i>	118.72	
	31 64 13 00-0040	EA	Bell Excavation And Concrete, 6' Bell Diameter Wet Ground, 30" Shaft, 1.57 CY.....	1,315.42	
			<i>For >50' To 100' Deep, Add</i>	107.73	
			<i>For >100' To 150' Deep, Add</i>	328.86	
			<i>For >150' To 200' Deep, Add</i>	414.20	
	31 64 13 00-0041	EA	Bell Excavation And Concrete, 7' Bell Diameter Wet Ground, 36" Shaft, 2.33 CY.....	1,782.97	
			<i>For >50' To 100' Deep, Add</i>	134.84	
			<i>For >100' To 150' Deep, Add</i>	445.74	
			<i>For >150' To 200' Deep, Add</i>	547.43	
	31 64 13 00-0042	EA	Bell Excavation And Concrete, 8' Bell Diameter Wet Ground, 42" Shaft, 3.3 CY.....	2,895.58	
			<i>For >50' To 100' Deep, Add</i>	239.71	
			<i>For >100' To 150' Deep, Add</i>	723.90	
			<i>For >150' To 200' Deep, Add</i>	914.95	
	31 64 13 00-0043	EA	Bell Excavation And Concrete, 9' Bell Diameter Wet Ground, 48" Shaft, 4.48 CY.....	3,747.71	
			<i>For >50' To 100' Deep, Add</i>	306.86	
			<i>For >100' To 150' Deep, Add</i>	936.93	
			<i>For >150' To 200' Deep, Add</i>	1,179.96	
	31 64 13 00-0044	EA	Bell Excavation And Concrete, 10' Bell Diameter Wet Ground, 60" Shaft, 5.24 CY.....	4,406.67	
			<i>For >50' To 100' Deep, Add</i>	360.65	
			<i>For >100' To 150' Deep, Add</i>	1,101.67	
			<i>For >150' To 200' Deep, Add</i>	1,387.23	
	31 64 13 00-0045	EA	Bell Excavation And Concrete, 12' Bell Diameter Wet Ground, 72" Shaft, 8.74 CY.....	7,473.01	
			<i>For >50' To 100' Deep, Add</i>	610.36	
			<i>For >100' To 150' Deep, Add</i>	1,868.25	
			<i>For >150' To 200' Deep, Add</i>	2,350.96	
	31 64 13 00-0046	EA	Bell Excavation And Concrete, 14' Bell Diameter Wet Ground, 84" Shaft, 13.6 CY.....	10,809.68	
			<i>For >50' To 100' Deep, Add</i>	892.03	
			<i>For >100' To 150' Deep, Add</i>	2,702.42	
			<i>For >150' To 200' Deep, Add</i>	3,412.10	
	31 64 13 00-0047		Caisson In Soft Rock And Medium Hard Shale <small>(31 64 13)</small>		
			Note: Up to 50' deep. See CSI section 31 64 13 00-0070 for equipment set-up.		
	31 64 13 00-0048		Caisson In Soft Rock <small>(31 64 13 00-0047)</small>		
			Note: Includes 3000 PSI concrete and reinforcing.		
	31 64 13 00-0049	VLF	18" Diameter Caisson, Soft Rock Medium Shale, No Casing/Ground Water.....	186.52	
			Note: 0.066 CY Concrete per VLF, 9 lbs rebar per VLF.		
			<i>For >50' To 100' Deep, Add</i>	14.68	
			<i>For >100' To 150' Deep, Add</i>	46.63	
			<i>For >150' To 200' Deep, Add</i>	57.98	
			<i>For Right Angle Drilling, Add</i>	60.21	
	31 64 13 00-0050	VLF	24" Diameter Caisson, Soft Rock Medium Shale, No Casing/Ground Water.....	310.85	
			Note: 0.116 CY Concrete per VLF, 14 lbs rebar per VLF.		
			<i>For >50' To 100' Deep, Add</i>	24.46	
			<i>For >100' To 150' Deep, Add</i>	77.71	
			<i>For >150' To 200' Deep, Add</i>	96.63	
			<i>For Right Angle Drilling, Add</i>	100.36	
	31 64 13 00-0051	VLF	30" Diameter Caisson, Soft Rock Medium Shale, No Casing/Ground Water.....	469.62	
			Note: 0.182 CY Concrete per VLF, 23 lbs rebar per VLF.		
			<i>For >50' To 100' Deep, Add</i>	37.20	
			<i>For >100' To 150' Deep, Add</i>	117.41	
			<i>For >150' To 200' Deep, Add</i>	146.29	
			<i>For Right Angle Drilling, Add</i>	150.86	
	31 64 13 00-0052	VLF	36" Diameter Caisson, Soft Rock Medium Shale, No Casing/Ground Water.....	602.62	
			Note: 0.262 CY Concrete per VLF, 33 lbs rebar per VLF.		
			<i>For >50' To 100' Deep, Add</i>	48.40	
			<i>For >100' To 150' Deep, Add</i>	150.66	
			<i>For >150' To 200' Deep, Add</i>	188.55	
			<i>For Right Angle Drilling, Add</i>	191.50	
	31 64 13 00-0053	VLF	42" Diameter Caisson, Soft Rock Medium Shale, No Casing/Ground Water.....	767.47	
			Note: 0.356 CY Concrete per VLF, 48 lbs rebar per VLF.		
			<i>For >50' To 100' Deep, Add</i>	62.47	
			<i>For >100' To 150' Deep, Add</i>	191.87	
			<i>For >150' To 200' Deep, Add</i>	241.17	
			<i>For Right Angle Drilling, Add</i>	241.29	
	31 64 13 00-0054	VLF	48" Diameter Caisson, Soft Rock Medium Shale, No Casing/Ground Water.....	925.94	
			Note: 0.465 CY Concrete per VLF, 57 lbs rebar per VLF.		
			<i>For >50' To 100' Deep, Add</i>	75.71	
			<i>For >100' To 150' Deep, Add</i>	231.49	
			<i>For >150' To 200' Deep, Add</i>	291.39	
			<i>For Right Angle Drilling, Add</i>	290.05	
	31 64 13 00-0055	VLF	54" Diameter Caisson, Soft Rock Medium Shale, No Casing/Ground Water.....	1,136.12	
			Note: 0.589 CY Concrete per VLF, 76 lbs rebar per VLF.		
			<i>For >50' To 100' Deep, Add</i>	93.67	
			<i>For >100' To 150' Deep, Add</i>	284.03	
			<i>For >150' To 200' Deep, Add</i>	358.51	
			<i>For Right Angle Drilling, Add</i>	353.45	
	31 64 13 00-0056	VLF	60" Diameter Caisson, Soft Rock Medium Shale, No Casing/Ground Water.....	1,345.72	
			Note: 0.727 CY Concrete per VLF, 93 lbs rebar per VLF.		
			<i>For >50' To 100' Deep, Add</i>	111.59	
			<i>For >100' To 150' Deep, Add</i>	336.43	
			<i>For >150' To 200' Deep, Add</i>	425.46	
			<i>For Right Angle Drilling, Add</i>	416.64	



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Special Foundations And Load-bearing Elements	31 60	
Caissons	31 64	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 64 13 00-0057 VLF 66" Diameter Caisson, Soft Rock Medium Shale, No Casing/Ground Water.....	1,485.73	
Note: 0.88 CY Concrete per VLF, 113 lbs rebar per VLF.		
For >50' To 100' Deep, Add	125.05	
For >100' To 150' Deep, Add	371.43	
For >150' To 200' Deep, Add	472.03	
For Right Angle Drilling, Add	454.23	
31 64 13 00-0058 VLF 72" Diameter Caisson, Soft Rock Medium Shale, No Casing/Ground Water.....	1,633.31	
Note: 1.047 CY Concrete per VLF, 134 lbs rebar per VLF.		
For >50' To 100' Deep, Add	139.69	
For >100' To 150' Deep, Add	408.33	
For >150' To 200' Deep, Add	521.69	
For Right Angle Drilling, Add	492.42	
31 64 13 00-0059 VLF 78" Diameter Caisson, Soft Rock Medium Shale, No Casing/Ground Water.....	1,688.35	
Note: 1.229 CY Concrete per VLF, 157 lbs rebar per VLF.		
For >50' To 100' Deep, Add	147.94	
For >100' To 150' Deep, Add	422.09	
For >150' To 200' Deep, Add	543.70	
For Right Angle Drilling, Add	497.93	
31 64 13 00-0060 VLF 84" Diameter Caisson, Soft Rock Medium Shale, No Casing/Ground Water.....	2,012.04	
Note: 1.425 CY Concrete per VLF, 183 lbs rebar per VLF.		
For >50' To 100' Deep, Add	175.35	
For >100' To 150' Deep, Add	503.01	
For >150' To 200' Deep, Add	646.75	
For Right Angle Drilling, Add	596.36	
31 64 13 00-0061 For Bell Excavation And Concrete, Add <small>(31 64 13 00-0047)</small>		
31 64 13 00-0062 EA Bell Excavation And Concrete, 4' Bell Diameter Soft Rock/Shale 24" Shaft 0.44 CY	640.58	
For >50' To 100' Deep, Add	49.24	
For >100' To 150' Deep, Add	160.15	
For >150' To 200' Deep, Add	197.68	
31 64 13 00-0063 EA Bell Excavation And Concrete, 6' Bell Diameter Soft Rock/Shale 30" Shaft 1.57 CY	2,254.53	
For >50' To 100' Deep, Add	173.47	
For >100' To 150' Deep, Add	563.63	
For >150' To 200' Deep, Add	695.93	
31 64 13 00-0064 EA Bell Excavation And Concrete, 7' Bell Diameter Soft Rock/Shale 36" Shaft 2.33 CY	3,384.69	
For >50' To 100' Deep, Add	263.27	
For >100' To 150' Deep, Add	846.17	
For >150' To 200' Deep, Add	1,048.33	
31 64 13 00-0065 EA Bell Excavation And Concrete, 8' Bell Diameter Soft Rock/Shale 42" Shaft 3.3 CY	4,817.98	
For >50' To 100' Deep, Add	374.28	
For >100' To 150' Deep, Add	1,204.50	
For >150' To 200' Deep, Add	1,491.67	
31 64 13 00-0066 EA Bell Excavation And Concrete, 9' Bell Diameter Soft Rock/Shale 48" Shaft 4.48 CY	6,358.69	
For >50' To 100' Deep, Add	489.63	
For >100' To 150' Deep, Add	1,589.67	
For >150' To 200' Deep, Add	1,963.26	
31 64 13 00-0067 EA Bell Excavation And Concrete, 10' Bell Diameter Soft Rock/Shale 60" Shaft 5.24 CY	7,743.89	
For >50' To 100' Deep, Add	594.26	
For >100' To 150' Deep, Add	1,935.97	
For >150' To 200' Deep, Add	2,388.40	
31 64 13 00-0068 EA Bell Excavation And Concrete, 12' Bell Diameter Soft Rock/Shale 72" Shaft 8.74 CY	11,727.95	
For >50' To 100' Deep, Add	908.20	
For >100' To 150' Deep, Add	2,931.99	
For >150' To 200' Deep, Add	3,627.44	
31 64 13 00-0069 EA Bell Excavation And Concrete, 14' Bell Diameter Soft Rock/Shale 84" Shaft 13.6 CY	17,647.98	
For >50' To 100' Deep, Add	1,370.71	
For >100' To 150' Deep, Add	4,412.00	
For >150' To 200' Deep, Add	5,463.59	
31 64 13 00-0070 Caisson Setup And Removal <small>(31 64 13)</small>		
Note: Includes mobilization of equipment, erection, dismantling of equipment, move off of site.		
31 64 13 00-0071 EA Erect, Set Up, Dismantle And Removal Of Caisson 18" To 36" Diameter, Complete	2,854.56	
31 64 13 00-0072 EA Erect, Set Up, Dismantle And Removal Of Caisson 48" To 84" Diameter, Complete	4,055.04	
31 64 13 00-0073 EA Dismantle, Relocate, Erect And Set Up On Site At Different Location (During Same Phase Of Work), Caisson 18" To 36" Diameter.....	1,333.92	
31 64 13 00-0074 EA Dismantle, Relocate, Erect And Set Up On Site At Different Location (During Same Phase Of Work), Caisson 48" To 84" Diameter.....	1,778.57	
31 64 13 00-0075 EA Relocate Caisson Equipment To Different Hole On-Site Without Dismantling.....	111.16	
31 68 Foundation Anchors <small>(31 60)</small>		
31 68 13 Rock Foundation Anchors <small>(31 68)</small>		
31 68 13 00-0001 Materials And Placement <small>(31 68 13)</small>		
31 68 13 00-0002 Hollow Core Prestressable Anchor, ASTM A615 <small>(31 68 13 00-0001)</small>		
Note: Pricing includes only material and labor to install anchors. See CSI section 31 68 13 00-0091 for head assembly, 31 68 13 00-0118 for steel plates and washers, 31 68 13 00-0154 for drilling operation, 31 68 13 00-0176 for tools, 31 68 13 00-0198 for grouting, 31 68 13 00-0207 for rock bolt testing.		
31 68 13 00-0003 3/4" Diameter <small>(31 68 13 00-0002)</small>		
31 68 13 00-0004 EA 3/4" Rock Bolt, 5' Hollow Core Prestressable Anchor.....	138.18	
31 68 13 00-0005 EA 3/4" Rock Bolt, 10' Hollow Core Prestressable Anchor.....	197.52	

31 Earthwork**31 60 Special Foundations And Load-bearing Elements****31 68 Foundation Anchors**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	31 68 13 00-0006	EA	3/4" Rock Bolt, 15' Hollow Core Prestressable Anchor.....	238.04	
	31 68 13 00-0007	EA	3/4" Rock Bolt, 20' Hollow Core Prestressable Anchor.....	316.23	
31 68 13 00-0008			1" Diameter <small>(31 68 13 00-0002)</small>		
	31 68 13 00-0009	EA	1" Rock Bolt, 5' Hollow Core Prestressable Anchor.....	172.04	
	31 68 13 00-0010	EA	1" Rock Bolt, 10' Hollow Core Prestressable Anchor.....	262.64	
	31 68 13 00-0011	EA	1" Rock Bolt, 15' Hollow Core Prestressable Anchor.....	334.41	
	31 68 13 00-0012	EA	1" Rock Bolt, 20' Hollow Core Prestressable Anchor.....	443.88	
31 68 13 00-0013			1-3/8" Diameter <small>(31 68 13 00-0002)</small>		
	31 68 13 00-0014	EA	1-3/8" Rock Bolt, 5' Hollow Core Prestressable Anchor.....	276.47	
	31 68 13 00-0015	EA	1-3/8" Rock Bolt, 10' Hollow Core Prestressable Anchor.....	426.94	
	31 68 13 00-0016	EA	1-3/8" Rock Bolt, 15' Hollow Core Prestressable Anchor.....	558.61	
	31 68 13 00-0017	EA	1-3/8" Rock Bolt, 20' Hollow Core Prestressable Anchor.....	727.94	
31 68 13 00-0018			2" Diameter <small>(31 68 13 00-0002)</small>		
	31 68 13 00-0019	EA	2" Rock Bolt, 5' Hollow Core Prestressable Anchor.....	594.05	
	31 68 13 00-0020	EA	2" Rock Bolt, 10' Hollow Core Prestressable Anchor.....	881.30	
	31 68 13 00-0021	EA	2" Rock Bolt, 15' Hollow Core Prestressable Anchor.....	1,149.68	
	31 68 13 00-0022	EA	2" Rock Bolt, 20' Hollow Core Prestressable Anchor.....	1,455.78	
31 68 13 00-0023			Super High-Tensile Anchors, ASTM A-108 <small>(31 68 13 00-0001)</small>		
			Note: Pricing includes only material and labor to install anchors. See CSI section 31 68 13 00-0091 for head assembly, 31 68 13 00-0118 for steel plates and washers, 31 68 13 00-0154 for drilling operation, 31 68 13 00-0176 for tools, 31 68 13 00-0198 for grouting, 31 68 13 00-0207 for rock bolt testing.		
31 68 13 00-0024			3/4" Diameter <small>(31 68 13 00-0023)</small>		
	31 68 13 00-0025	EA	3/4" Rock Bolt, 5' Super High-Tensile Anchor.....	103.91	
	31 68 13 00-0026	EA	3/4" Rock Bolt, 10' Super High-Tensile Anchor.....	138.61	
	31 68 13 00-0027	EA	3/4" Rock Bolt, 15' Super High-Tensile Anchor.....	154.43	
	31 68 13 00-0028	EA	3/4" Rock Bolt, 20' Super High-Tensile Anchor.....	206.78	
31 68 13 00-0029			1" Diameter <small>(31 68 13 00-0023)</small>		
	31 68 13 00-0030	EA	1" Rock Bolt, 5' Super High-Tensile Anchor.....	121.49	
	31 68 13 00-0031	EA	1" Rock Bolt, 10' Super High-Tensile Anchor.....	168.22	
	31 68 13 00-0032	EA	1" Rock Bolt, 15' Super High-Tensile Anchor.....	194.73	
	31 68 13 00-0033	EA	1" Rock Bolt, 20' Super High-Tensile Anchor.....	258.90	
31 68 13 00-0034			1-1/4" Diameter <small>(31 68 13 00-0023)</small>		
	31 68 13 00-0035	EA	1-1/4" Rock Bolt, 5' Super High-Tensile Anchor.....	173.11	
	31 68 13 00-0036	EA	1-1/4" Rock Bolt, 10' Super High-Tensile Anchor.....	242.22	
	31 68 13 00-0037	EA	1-1/4" Rock Bolt, 15' Super High-Tensile Anchor.....	292.19	
	31 68 13 00-0038	EA	1-1/4" Rock Bolt, 20' Super High-Tensile Anchor.....	377.74	
31 68 13 00-0039			2" Diameter <small>(31 68 13 00-0023)</small>		
	31 68 13 00-0040	EA	2" Rock Bolt, 5' Super High-Tensile Anchor.....	435.90	
	31 68 13 00-0041	EA	2" Rock Bolt, 10' Super High-Tensile Anchor.....	618.62	
	31 68 13 00-0042	EA	2" Rock Bolt, 15' Super High-Tensile Anchor.....	751.89	
	31 68 13 00-0043	EA	2" Rock Bolt, 20' Super High-Tensile Anchor.....	930.90	
31 68 13 00-0044			Solid Rebar Anchors, ASTM A615 <small>(31 68 13 00-0001)</small>		
			Note: Pricing includes only material and labor to install anchors. See CSI section 31 68 13 00-0091 for head assembly, 31 68 13 00-0118 for steel plates and washers, 31 68 13 00-0154 for drilling operation, 31 68 13 00-0176 for tools, 31 68 13 00-0198 for grouting, 31 68 13 00-0207 for rock bolt testing.		
31 68 13 00-0045			3/4" Diameter <small>(31 68 13 00-0044)</small>		
	31 68 13 00-0046	EA	3/4" Rock Bolt, 5' Solid Rebar Anchor.....	98.26	
	31 68 13 00-0047	EA	3/4" Rock Bolt, 10' Solid Rebar Anchor.....	126.67	
	31 68 13 00-0048	EA	3/4" Rock Bolt, 15' Solid Rebar Anchor.....	136.24	
	31 68 13 00-0049	EA	3/4" Rock Bolt, 20' Solid Rebar Anchor.....	183.50	
31 68 13 00-0050			1" Diameter <small>(31 68 13 00-0044)</small>		
	31 68 13 00-0051	EA	1" Rock Bolt, 5' Solid Rebar Anchor.....	109.13	
	31 68 13 00-0052	EA	1" Rock Bolt, 10' Solid Rebar Anchor.....	144.64	
	31 68 13 00-0053	EA	1" Rock Bolt, 15' Solid Rebar Anchor.....	161.35	
	31 68 13 00-0054	EA	1" Rock Bolt, 20' Solid Rebar Anchor.....	215.69	
31 68 13 00-0055			1-1/4" Diameter <small>(31 68 13 00-0044)</small>		
	31 68 13 00-0056	EA	1-1/4" Rock Bolt, 5' Solid Rebar Anchor.....	152.58	
	31 68 13 00-0057	EA	1-1/4" Rock Bolt, 10' Solid Rebar Anchor.....	197.48	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 68 13 00-0058 EA 1-1/4" Rock Bolt, 15' Solid Rebar Anchor	223.61	
31 68 13 00-0059 EA 1-1/4" Rock Bolt, 20' Solid Rebar Anchor	287.40	
31 68 13 00-0060 Resin Anchoring With Grade 60 Rebar <small>(31 68 13 00-0001)</small>		
Note: Pricing includes only material and labor to install anchors.. See CSI section 31 68 13 00-0081 for rebar collars, 31 68 13 00-0083 for resin cartridges, 31 68 13 00-0118 for steel plates and washers, 31 68 13 00-0154 for drilling operation, 31 68 13 00-0176 for tools, 31 68 13 00-0207 for rock bolt testing.		
31 68 13 00-0061 Rebar #6 <small>(31 68 13 00-0060)</small>		
31 68 13 00-0062 EA #6 Rebar Rock Anchor, 5' Resin Anchor With Grade 60 Rebar.....	60.13	
31 68 13 00-0063 EA #6 Rebar Rock Anchor, 10' Resin Anchor With Grade 60 Rebar.....	82.59	
31 68 13 00-0064 EA #6 Rebar Rock Anchor, 15' Resin Anchor With Grade 60 Rebar.....	86.23	
31 68 13 00-0065 EA #6 Rebar Rock Bolt, 20' Resin Anchor With Grade 60 Rebar.....	120.26	
31 68 13 00-0066 Rebar #8 <small>(31 68 13 00-0060)</small>		
31 68 13 00-0067 EA #8 Rebar Rock Bolt, 5' Resin Anchor With Grade 60 Rebar.....	62.96	
31 68 13 00-0068 EA #8 Rebar Rock Bolt, 10' Resin Anchor With Grade 60 Rebar.....	88.26	
31 68 13 00-0069 EA #8 Rebar Rock Bolt, 15' Resin Anchor With Grade 60 Rebar.....	94.73	
31 68 13 00-0070 EA #8 Rebar Rock Bolt, 20' Resin Anchor With Grade 60 Rebar.....	138.87	
31 68 13 00-0071 Rebar #10 <small>(31 68 13 00-0060)</small>		
31 68 13 00-0072 EA #10 Rebar Rock Bolt, 5' Resin Anchor With Grade 60 Rebar.....	67.01	
31 68 13 00-0073 EA #10 Rebar Rock Bolt, 10' Resin Anchor With Grade 60 Rebar.....	96.35	
31 68 13 00-0074 EA #10 Rebar Rock Bolt, 15' Resin Anchor With Grade 60 Rebar.....	106.87	
31 68 13 00-0075 EA #10 Rebar Rock Bolt, 20' Resin Anchor With Grade 60 Rebar.....	155.06	
31 68 13 00-0076 Rebar #14 <small>(31 68 13 00-0060)</small>		
31 68 13 00-0077 EA #14 Rebar Rock Bolt, 5' Resin Anchor With Grade 60 Rebar.....	76.72	
31 68 13 00-0078 EA #14 Rebar Rock Bolt, 10' Resin Anchor With Grade 60 Rebar.....	115.77	
31 68 13 00-0079 EA #14 Rebar Rock Bolt, 15' Resin Anchor With Grade 60 Rebar.....	136.00	
31 68 13 00-0080 EA #14 Rebar Rock Bolt, 20' Resin Anchor With Grade 60 Rebar.....	193.90	
31 68 13 00-0081 Plastic Rebar Collars, Sizes #6-#14 <small>(31 68 13 00-0060)</small>		
31 68 13 00-0082 EA Plastic Rebar Collars For Rebar #4 To #14.....	0.64	
31 68 13 00-0083 12" Long Resin Cartridges <small>(31 68 13 00-0001)</small>		
31 68 13 00-0084 EA 7/8" Resin Cartridge 12" Long	1.30	
31 68 13 00-0085 EA 1" Resin Cartridge 12" Long	1.78	
31 68 13 00-0086 EA 1-1/16" Resin Cartridge 12" Long	1.91	
31 68 13 00-0087 EA 1-1/4" Resin Cartridge 12" Long	2.06	
31 68 13 00-0088 EA 1-3/8" Resin Cartridge 12" Long	2.36	
31 68 13 00-0089 EA 1-9/16" Resin Cartridge 12" Long	2.96	
31 68 13 00-0090 EA 1-3/4" Resin Cartridge 12" Long	4.07	
31 68 13 00-0091 Head Assembly <small>(31 68 13 00-0001)</small>		
31 68 13 00-0092 3/4" Rod Diameter <small>(31 68 13 00-0091)</small>		
31 68 13 00-0093 EA 3/4" Rod Head Assembly 1-5/8" Short Cone and Shell	17.70	
31 68 13 00-0094 EA 3/4" Rod Head Assembly 1-3/4" Short Cone and Shell	14.91	
31 68 13 00-0095 EA 3/4" Rod Head Assembly 1-7/8" Short Cone and Shell	15.64	
31 68 13 00-0096 EA 3/4" Rod Head Assembly 1-3/4" Long Cone and Shell	28.08	
31 68 13 00-0097 EA 3/4" Rod Head Assembly 1-7/8" Long Cone and Shell	28.08	
31 68 13 00-0098 EA 3/4" Rod Head Assembly 1-3/4" Long Cone and Shell	26.60	
31 68 13 00-0099 1" Rod Diameter <small>(31 68 13 00-0091)</small>		
31 68 13 00-0100 EA 1" Rod Head Assembly 1-5/8" Short Cone and Shell	19.08	
31 68 13 00-0101 EA 1" Rod Head Assembly 1-3/4" Short Cone and Shell	16.33	
31 68 13 00-0102 EA 1" Rod Head Assembly 1-7/8" Short Cone and Shell	17.05	
31 68 13 00-0103 EA 1" Rod Head Assembly 1-3/4" Long Cone and Shell	29.54	
31 68 13 00-0104 EA 1" Rod Head Assembly 1-7/8" Long Cone and Shell	29.54	
31 68 13 00-0105 EA 1" Rod Head Assembly 1-3/4" Long Cone and Shell	28.16	
31 68 13 00-0106 1-1/4" Rod Diameter <small>(31 68 13 00-0091)</small>		
31 68 13 00-0107 EA 1-1/4" Rod Head Assembly 2" Short Cone and Shell	42.56	
31 68 13 00-0108 EA 1-1/4" Rod Head Assembly 2-1/4" Short Cone and Shell	49.72	
31 68 13 00-0109 EA 1-1/4" Rod Head Assembly 2-1/2" Short Cone and Shell	50.43	
31 68 13 00-0110 EA 1-1/4" Rod Head Assembly 2-1/4" Long Cone and Shell	44.73	
31 68 13 00-0111 EA 1-1/4" Rod Head Assembly 2-1/2" Long Cone and Shell	52.15	
31 68 13 00-0112 1-7/8" Rod Diameter <small>(31 68 13 00-0091)</small>		

31	31 Earthwork
	31 60 Special Foundations And Load-bearing Elements
	31 68 Foundation Anchors



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 68 13 00-0113 EA 1-7/8" Rod Head Assembly 3-1/2" Long Cone/Shell/Fl.....	167.52	
31 68 13 00-0114 EA 1/7/8" Rod Head Assembly 3" Long Cone and Shell	115.49	
31 68 13 00-0115 2" Rod Diameter <small>(31 68 13 00-0091)</small>		
31 68 13 00-0116 EA 2" Rod Head Assembly 3-1/2" Long Cone/Shell/Fl	167.52	
31 68 13 00-0117 EA 2" Rod Head Assembly 3" Long Cone and Shell	115.49	
31 68 13 00-0118 Steel Plates With Standard Hole And Washers <small>(31 68 13 00-0001)</small>		
31 68 13 00-0119 Steel Plates <small>(31 68 13 00-0118)</small>		
31 68 13 00-0120 EA 1/4" x 4" x 4" Steel Plate For Rock Bolt With Washer	3.29	
31 68 13 00-0121 EA 1/4" x 6" x 6" Steel Plate For Rock Bolt With Washer	6.08	
31 68 13 00-0122 EA 3/8" x 6" x 6" Steel Plate For Rock Bolt With Washer	8.47	
31 68 13 00-0123 EA 3/8" x 8" x 8" Steel Plate For Rock Bolt With Washer	14.84	
31 68 13 00-0124 EA 1/2" x 5" x 5" Steel Plate For Rock Bolt With Washer	5.76	
31 68 13 00-0125 EA 1/2" x 8" x 8" Steel Plate For Rock Bolt With Washer	15.14	
31 68 13 00-0126 EA 3/4" x 7" x 7" Steel Plate For Rock Bolt With Washer	25.13	
31 68 13 00-0127 EA 3/4" x 8" x 8" Steel Plate For Rock Bolt With Washer	35.60	
31 68 13 00-0128 EA 1" x 4" x 7" Steel Plate For Rock Bolt With Washer	21.37	
31 68 13 00-0129 EA 1" x 9" x 9" Steel Plate For Rock Bolt With Washer	60.46	
31 68 13 00-0130 EA 1" x 12" x 12" Steel Plate For Rock Bolt With Washer	89.09	
31 68 13 00-0131 EA 1-1/4" x 5" x 8" Steel Plate For Rock Bolt With Washer	39.11	
31 68 13 00-0132 EA 1-1/4" x 11" x 11" Steel Plate For Rock Bolt With Washer	105.77	
31 68 13 00-0133 EA 1-1/2" x 5" x 10" Steel Plate For Rock Bolt With Washer	52.90	
31 68 13 00-0134 EA 1-1/2" x 12" x 12" Steel Plate For Rock Bolt With Washer	127.22	
31 68 13 00-0135 EA 1-3/4" x 5" x 10" Steel Plate For Rock Bolt With Washer	58.39	
31 68 13 00-0136 EA 1-3/4" x 12" x 12" Steel Plate For Rock Bolt With Washer	141.10	
31 68 13 00-0137 Hardened Washers <small>(31 68 13 00-0118)</small>		
31 68 13 00-0138 EA Hardened Washer For 3/4" Diameter Rock Bolt	0.59	
31 68 13 00-0139 EA Hardened Washer For 1" Diameter Rock Bolt	0.81	
31 68 13 00-0140 EA Hardened Washer For 1-1/4" Diameter Rock Bolt	2.27	
31 68 13 00-0141 EA Hardened Washer For 2" Diameter Rock Bolt	5.64	
31 68 13 00-0142 Beveled Washers <small>(31 68 13 00-0118)</small>		
31 68 13 00-0143 EA Beveled Washer For 3/4" Diameter Rock Bolt	1.48	
31 68 13 00-0144 EA Beveled Washer For 7/8" To 1-1/8" Diameter Rock Bolt	1.46	
31 68 13 00-0145 EA Beveled Wash For 1-1/4" To 1-3/8" Diameter Rock Bolt	2.20	
31 68 13 00-0146 EA Beveled Washer For 1-1/2" Diameter Rock Bolt	9.43	
31 68 13 00-0147 EA Beveled Washer For 2" Diameter Rock Bolt	6.51	
31 68 13 00-0148 Hex Nuts <small>(31 68 13 00-0118)</small>		
31 68 13 00-0149 EA Hex Nut For 3/4" Diameter Rock Bolt	1.15	
31 68 13 00-0150 EA Hex Nut For 1" Diameter Rock Bolt	1.88	
31 68 13 00-0151 EA Hex Nut For 1-1/4" Diameter Rock Bolt	7.71	
31 68 13 00-0152 EA Hex Nut For 1-1/2" Diameter Rock Bolt	4.86	
31 68 13 00-0153 EA Hex Nut For 2" Diameter Rock Bolt	30.97	
31 68 13 00-0154 Drilling Operation For Rockbolts <small>(31 68 13)</small>		
31 68 13 00-0155 Drill Holes For Rock Bolts <small>(31 68 13 00-0154)</small>		
31 68 13 00-0156 3/4" Diameter Bolt, 1-3/4" Hole <small>(31 68 13 00-0155)</small>		
31 68 13 00-0157 EA Drill 1-3/4" Diameter Hole x 5' Long For 3/4" Diameter Rock Bolts	137.34	
31 68 13 00-0158 EA Drill 1-3/4" Diameter Hole x 10' Long For 3/4" Diameter Rock Bolts	259.44	
31 68 13 00-0159 EA Drill 1-3/4" Diameter Hole x 15' Long For 3/4" Diameter Rock Bolts	389.16	
31 68 13 00-0160 EA Drill 1-3/4" Diameter Hole x 20' Long For 3/4" Diameter Rock Bolts	466.99	
31 68 13 00-0161 1" Diameter Bolt, 2" Hole <small>(31 68 13 00-0155)</small>		
31 68 13 00-0162 EA Drill 2" Diameter Hole x 5' Long For 1" Diameter Rock Bolt	179.61	
31 68 13 00-0163 EA Drill 2" Diameter Hole x 10' Long For 1" Diameter Rock Bolt	333.56	
31 68 13 00-0164 EA Drill 2" Diameter Hole x 15' Long For 1" Diameter Rock Bolt	466.99	
31 68 13 00-0165 EA Drill 2" Diameter Hole x 20' Long For 1" Diameter Rock Bolt	583.73	
31 68 13 00-0166 1-1/4" Diameter Bolt, 2-1/4" Hole <small>(31 68 13 00-0155)</small>		
31 68 13 00-0167 EA Drill 2-1/4" Diameter Hole x 5' Long For 1-1/4" Diameter Rock Bolt	194.57	
31 68 13 00-0168 EA Drill 2-1/4" Diameter Hole x 10' Long For 1-1/4" Diameter Rock Bolt	389.16	
31 68 13 00-0169 EA Drill 2-1/4" Diameter Hole x 15' Long For 1-1/4" Diameter Rock Bolt	583.73	
31 68 13 00-0170 EA Drill 2-1/4" Diameter Hole x 20' Long For 1-1/4" Diameter Rock Bolt	778.31	
31 68 13 00-0171 2" Diameter Bolt, 3-1/2" Hole <small>(31 68 13 00-0155)</small>		



Earthwork	31	13
Special Foundations And Load-bearing Elements	31 60	
Foundation Anchors	31 68	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 68 13 00-0172 EA Drill 3-1/2" Diameter Hole x 5 Long For 2" Diameter Rock Bolt	233.49	
31 68 13 00-0173 EA Drill 3-1/2" Diameter Hole x 10' Long For 2" Diameter Rock Bolt	466.99	
31 68 13 00-0174 EA Drill 3-1/2" Diameter Hole x 15' Long For 2" Diameter Rock Bolts.....	778.31	
31 68 13 00-0175 EA Drill 3-1/2" Diameter Hole x 20' Long For 2" Diameter Rock Bolt	1,167.47	
31 68 13 00-0176 Tools <small>(31 68 13)</small>		
31 68 13 00-0177 Hydraulic Jacks, Monthly Rental <small>(31 68 13 00-0176)</small>		
31 68 13 00-0178 EA 1/2" To 1", 30 Ton Hydraulic Jack For Rock Bolt, 2" Stroke	243.23	
31 68 13 00-0179 EA 1-1/8" To 1-3/8", 60 Ton Hydraulic Jack For Rock Bolt, 3" Stroke	358.45	
31 68 13 00-0180 EA 1-1/8" To 1-3/8", 60 Ton Hydraulic Jack For Rock Bolt, 10" Stroke	601.34	
31 68 13 00-0181 EA 1-7/8" To 2", 100 Ton Hydraulic Jack For Rock Bolt, 10" Stroke	900.29	
31 68 13 00-0182 EA 1-7/8" To 2", 150 Ton Hydraulic Jack For Rock Bolt, 12" Stroke	1,345.77	
31 68 13 00-0183 Torque Wrenches And Ratchet Adapter, Monthly Rental <small>(31 68 13 00-0176)</small>		
31 68 13 00-0184 0-500 Foot Pounds (0-678J) <small>(31 68 13 00-0183)</small>		
31 68 13 00-0185 EA 1/2" To 1" Bolt Diameter Torque Wrench 0 To 500 Foot Pounds, Monthly Rental.....	128.07	
31 68 13 00-0186 EA Torque Wrench Ratchet Adapter Monthly Rental, 0 To 500 Foot Pounds	80.28	
31 68 13 00-0187 EA Torque Wrench With Adapter 0 To 500 Foot Pounds, Monthly Rental	208.51	
31 68 13 00-0188 0-600 Foot Pounds (0-814J) <small>(31 68 13 00-0183)</small>		
31 68 13 00-0189 EA 0 To 600 Foot Pounds Torque Wrench Self-Ratcheting, Monthly Rental	145.41	
31 68 13 00-0190 Up To 1,000 Foot Pounds (0-1356J) <small>(31 68 13 00-0183)</small>		
31 68 13 00-0191 EA 1-1/8" To 2" Bolt Diameter Torque Wrench 0 To 1,000 Foot Pounds, Monthly Rental	279.26	
31 68 13 00-0192 EA Torque Wrench Ratchet Adapter 0 To 1,000 Foot Pounds, Monthly Rental	68.88	
31 68 13 00-0193 EA Torque Wrench With Ratchet 0 To 1,000 Foot Pounds, Monthly Rental	348.14	
31 68 13 00-0194 Torque Multiplier, 4:1 Multiplier <small>(31 68 13 00-0176)</small>		
31 68 13 00-0195 EA Torque Multiplier, 4 To 1 Ratio.....	357.67	
31 68 13 00-0196 Pneumatic Drive Torque Wrench <small>(31 68 13 00-0176)</small>		
31 68 13 00-0197 EA Pneumatic Drive Torque Wrench 250 To 900 Foot Pounds (339J - 1220J)	765.32	
31 68 13 00-0198 Grouting <small>(31 68 13)</small>		
31 68 13 00-0199 Grouting With Pumps <small>(31 68 13 00-0198)</small>		
Note: Grout material and labor only.		
31 68 13 00-0200 GAL Rock Bolt Grouting, Hand Pump 1 To 2 GPM Delivery.....	13.63	
31 68 13 00-0201 GAL Rock Bolt Grouting, Air Pump 3 To 4 GPM Continuous Delivery.....	22.83	
31 68 13 00-0202 GAL Rock Bolt Grout, Air/Piston Pump 2 To 4 GPM Delivery.....	20.86	
31 68 13 00-0203 Grout Pumps, Monthly Rental <small>(31 68 13 00-0198)</small>		
31 68 13 00-0204 EA Hand Grout Pump, Monthly Rental	125.14	
31 68 13 00-0205 EA Air Powered Programmable Feed Grout Pump Monthly Rental.....	1,052.68	
31 68 13 00-0206 EA Air Powered, Piston Drive Grout Pump Monthly Rental.....	1,837.89	
31 68 13 00-0207 Rock Bolt Testing <small>(31 68 13)</small>		
31 68 13 00-0208 EA Rock Bolt Test, Low To Medium Capacity LF >100 Bolts Need Testing.....	302.14	

END OF SECTION 31

31	31	Earthwork
	31 60	Special Foundations And Load-bearing Elements
	31 68	Foundation Anchors



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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32 Exterior Improvements

32 01 Operation And Maintenance Of Exterior Improvements⁽³²⁾

32 01 11 Paving Cleaning^(32 01)

32 01 11 53 Paint Removal From Paving^(32 01 11)

32 01 11 53-0001 Remove Pavement Markings^(32 01 11 53)

Note: Includes vacuuming of removed striped area and containment of debris. Excludes disposal.

32 01 11 53-0002	LF Removal Of 4" Wide Painted Or Epoxy Pavement Striping	1.55	
	For Up To 250, Add	0.78	
	For >250 To 1,000, Add	0.39	
	For >5,000 To 10,000, Deduct	-0.23	
	For >10,000 To 25,000, Deduct	-0.39	
	For >25,000 To 50,000, Deduct	-0.54	
	For >50,000, Deduct	-0.62	
32 01 11 53-0003	LF Removal Of 6" Wide Painted Or Epoxy Pavement Striping	1.87	
	For Up To 250, Add	0.94	
	For >250 To 1,000, Add	0.47	
	For >5,000 To 10,000, Deduct	-0.28	
	For >10,000 To 25,000, Deduct	-0.47	
	For >25,000 To 50,000, Deduct	-0.65	
	For >50,000, Deduct	-0.75	
32 01 11 53-0004	LF Removal Of 8" Wide Painted Or Epoxy Pavement Striping	2.24	
	For Up To 250, Add	1.12	
	For >250 To 1,000, Add	0.56	
	For >5,000 To 10,000, Deduct	-0.34	
	For >10,000 To 25,000, Deduct	-0.56	
	For >25,000 To 50,000, Deduct	-0.78	
	For >50,000, Deduct	-0.90	
32 01 11 53-0005	LF Removal Of 12" Wide Painted Or Epoxy Pavement Striping	2.68	
	For Up To 250, Add	1.34	
	For >250 To 1,000, Add	0.67	
	For >5,000 To 10,000, Deduct	-0.40	
	For >10,000 To 25,000, Deduct	-0.67	
	For >25,000 To 50,000, Deduct	-0.94	
	For >50,000, Deduct	-1.07	
32 01 11 53-0006	SF Removal Of Painted Or Epoxy Pavement Marking, Letters Or Symbols	2.68	
	For Up To 250, Add	1.34	
	For >250 To 1,000, Add	0.67	
	For >5,000 To 10,000, Deduct	-0.40	
	For >10,000 To 25,000, Deduct	-0.67	
	For >25,000 To 50,000, Deduct	-0.94	
	For >50,000, Deduct	-1.07	
32 01 11 53-0007	LF Removal Of 4" Wide Thermoplastic Pavement Striping	2.00	
	For Up To 250, Add	1.00	
	For >250 To 1,000, Add	0.50	
	For >5,000 To 10,000, Deduct	-0.30	
	For >10,000 To 25,000, Deduct	-0.50	
	For >25,000 To 50,000, Deduct	-0.70	
	For >50,000, Deduct	-0.80	
32 01 11 53-0008	LF Removal Of 6" Wide Thermoplastic Pavement Striping	2.36	
	For Up To 250, Add	1.18	
	For >250 To 1,000, Add	0.59	
	For >5,000 To 10,000, Deduct	-0.35	
	For >10,000 To 25,000, Deduct	-0.59	
	For >25,000 To 50,000, Deduct	-0.83	
	For >50,000, Deduct	-0.94	
32 01 11 53-0009	LF Removal Of 8" Wide Thermoplastic Pavement Striping	2.85	
	For Up To 250, Add	1.43	
	For >250 To 1,000, Add	0.71	
	For >5,000 To 10,000, Deduct	-0.43	
	For >10,000 To 25,000, Deduct	-0.71	
	For >25,000 To 50,000, Deduct	-1.00	
	For >50,000, Deduct	-1.14	
32 01 11 53-0010	LF Removal Of 12" Wide Thermoplastic Pavement Striping	3.41	
	For Up To 250, Add	1.71	
	For >250 To 1,000, Add	0.85	
	For >5,000 To 10,000, Deduct	-0.51	
	For >10,000 To 25,000, Deduct	-0.85	
	For >25,000 To 50,000, Deduct	-1.19	
	For >50,000, Deduct	-1.36	
32 01 11 53-0011	SF Removal Of Thermoplastic Pavement Marking, Letters Or Symbols	3.41	
	For Up To 250, Add	1.71	
	For >250 To 1,000, Add	0.85	
	For >5,000 To 10,000, Deduct	-0.51	
	For >10,000 To 25,000, Deduct	-0.85	
	For >25,000 To 50,000, Deduct	-1.19	
	For >50,000, Deduct	-1.36	

32 01 16 Flexible Paving Rehabilitation^(32 01)

32 Exterior Improvements**32 01 Operation And Maintenance Of Exterior Improvements****32 01 16 Flexible Paving Rehabilitation**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

32 01 16 71	Cold Milling Asphalt Pavement <small>(32 01 16)</small>		
32 01 16 71-0001	Removal Of Asphalt Surface Course <small>(32 01 16 71)</small>		
	Note: Includes direct loading into truck.		
32 01 16 71-0002	Production Cold Milling Of Roads And Parking Areas <small>(32 01 16 71-0001)</small>		
	Note: For removal of entire lanes of roads or parking areas. Includes work around man holes, scuppers, drainage structures, catch basins, etc. Includes sweeping and loading into truck. See CSI section 01 74 19 00-0038 for hauling.		
32 01 16 71-0003	SY Up To 3" Depth, Production Cold Milling Of Asphalt.....	3.16	
	For Up To 2,500, Add	2.37	
	For >2,500 To 5,000, Add	0.79	
	For >10,000 To 25,000, Deduct	-0.32	
	For >25,000, Deduct	-0.47	
32 01 16 71-0004	SY >3" To 6" Depth, Production Cold Milling Of Asphalt.....	4.22	
	For Up To 2,500, Add	3.17	
	For >2,500 To 5,000, Add	1.06	
	For >10,000 To 25,000, Deduct	-0.42	
	For >25,000, Deduct	-0.63	
32 01 16 71-0005	SY >6" To 12" Depth, Production Cold Milling Of Asphalt.....	5.61	
	For Up To 2,500, Add	4.21	
	For >2,500 To 5,000, Add	1.40	
	For >10,000 To 25,000, Deduct	-0.56	
	For >25,000, Deduct	-0.84	
32 01 16 71-0006	SY Production Cold Milling Of Concrete Per Inch.....	4.79	
32 01 16 71-0007	Limited Production Cold Milling <small>(32 01 16 71-0001)</small>		
	Note: For cross sections of roadways, trenching, partial shoulders, and other small or narrow areas. Includes work around man holes, scuppers, drainage structures, catch basins, etc. Includes sweeping and loading into truck. See CSI section 01 74 19 00-0038 for hauling.		
32 01 16 71-0008	SY Up To 3" Depth, Limited Cold Milling Of Asphalt.....	20.00	
	For >100 To 1,000, Deduct	-10.00	
	For >1,000, Deduct	-15.00	
32 01 16 71-0009	SY >3" To 6" Depth, Limited Cold Milling Of Asphalt.....	26.48	
	For >100 To 1,000, Deduct	-13.24	
	For >1,000, Deduct	-19.86	
32 01 16 71-0010	SY >6" To 12" Depth, Limited Cold Milling Of Asphalt.....	35.27	
	For >100 To 1,000, Deduct	-17.64	
	For >1,000, Deduct	-26.45	
32 01 16 71-0011	SY Limited Cold Milling Of Concrete Per Inch.....	30.06	
32 01 16 71-0012	Grind, Leave In-Place Asphalt Grindings <small>(32 01 16 71)</small>		
	Note: For use as subbase material, includes spreading and rolling.		
32 01 16 71-0013	SY Grind, Leave In-Place As Subbase Course, 6-9" Depth.....	5.57	
32 01 16 71-0014	Wedge Grinding Cold Milling <small>(32 01 16 71)</small>		
	Note: Includes work around man holes, scuppers, drainage structures, catch basins, etc. Includes water truck. Excludes mobilization, sweeping and cleaning, and hauling and disposal. See CSI section 01 74 16 00-0001 for sweeping and cleaning.		
32 01 16 71-0015	LF 5' Wedge Grinding/Cold Milling Of Asphalt Up To 3" Depth.....	5.56	
32 01 16 71-0016	LF 10' Wedge Grinding/Cold Milling Of Asphalt Up To 3" Depth.....	11.11	
32 01 16 71-0017	Cutback Ramp <small>(32 01 16 71)</small>		
32 01 16 71-0018	LF 1" Differential, 5' Length, Cutback Ramp.....	8.84	
32 01 16 71-0019	LF 1-1/2" Differential, 5' Length, Cutback Ramp.....	10.47	
32 01 16 71-0020	LF 2" Differential, 5' Length, Cutback Ramp.....	11.98	
32 01 16 72	Asphalt Paving Reuse <small>(32 01 16)</small>		
32 01 16 72-0001	Rejuvenate, Respread Asphalt Pavement <small>(32 01 16 72)</small>		
	Note: Includes direct loading into truck.		
32 01 16 72-0002	SY Remove, Rejuvenate, Respread Asphalt Grindings To 1/2" Deep.....	8.98	
32 01 16 72-0003	SY Remove, Rejuvenate, Respread Asphalt Grindings To 1/2" Deep, Previously Sealed Cold Tar.....	10.82	
32 01 16 72-0004	TON Remove, Rejuvenate, Respread Asphalt Grindings.....	138.36	
32 01 16 72-0005	Reclamation, Pulverize And Blending With Existing <small>(32 01 16 72)</small>		
	Note: Includes direct loading into truck.		
32 01 16 72-0006	SY Up To 2" Thick Pavement, Up To 1,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base.....	10.77	
32 01 16 72-0007	SY Up To 2" Thick Pavement, >1,000 To 5,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base.....	5.38	
32 01 16 72-0008	SY Up To 2" Thick Pavement, >5,000 To 15,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base.....	2.69	
32 01 16 72-0009	SY Up To 2" Thick Pavement, >15,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base.....	2.55	
32 01 16 72-0010	SY >2" To 3" Thick Pavement, >5,000 To 15,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base.....	2.94	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 01 16 72-0011 SY >2" To 3" Thick Pavement, Up To 1,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base.....	11.76	
32 01 16 72-0012 SY >2" To 3" Thick Pavement, >1,000 To 5,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base.....	5.87	
32 01 16 72-0013 SY >2" To 3" Thick Pavement, >15,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base.....	2.77	
32 01 16 72-0014 SY >3" To 4" Thick Pavement, Up To 1,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base.....	12.93	
32 01 16 72-0015 SY >3" To 4" Thick Pavement, >1,000 To 5,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base.....	6.47	
32 01 16 72-0016 SY >3" To 4" Thick Pavement, >5,000 To 15,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base.....	3.23	
32 01 16 72-0017 SY >3" To 4" Thick Pavement, >15,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base.....	2.98	
32 01 16 72-0018 SY >4" To 8" Thick Pavement, Up To 1,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base.....	14.11	
32 01 16 72-0019 SY >4" To 8" Thick Pavement, >1,000 To 5,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base.....	7.05	
32 01 16 72-0020 SY >4" To 8" Thick Pavement, >5,000 To 15,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base.....	3.52	
32 01 16 72-0021 SY >4" To 8" Thick Pavement, >15,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base.....	3.29	
32 01 16 72-0022 EA Mobilization And Demobilization For Reclamation, Pulverizing And Blending Crew.....	1,212.10	

32 01 17 Flexible Paving Repair (32 01)

See CSI section 32 12 16 00-0000 for large area resurfacing.

32 01 17 61 Sealing Cracks In Asphalt Paving (32 01 17)

Note: Includes removing loose materials and cleaning.

32 01 17 61-0001 Asphalt Pavement Crack And Sealing Repair (32 01 17 61)

Note: Includes sweeping and cleaning of area.

32 01 17 61-0002 LF Up To 200 LF Fill Cracks Up To 1/2" x 1/2" With Hot Asphalt Crack Filler.....	1.13	
Note: Includes air cleaning of cracks. Excludes backer rod where required and routing of crack.		
For 3/4" x 1/2" Fill, Add	0.30	
For 1" x 1/2" Fill, Add	0.56	
For Backer Rod, Add	0.68	
32 01 17 61-0003 LF >200 To 500 LF Fill Cracks Up To 1/2" x 1/2" With Hot Asphalt Crack Filler.....	0.92	
Note: Includes air cleaning of cracks. Excludes backer rod where required and routing of crack.		
For 3/4" x 1/2" Fill, Add	0.25	
For 1" x 1/2" Fill, Add	0.47	
For Backer Rod, Add	0.63	
32 01 17 61-0004 LF >500 To 2,000 LF Fill Cracks Up To 1/2" x 1/2" With Hot Asphalt Crack Filler.....	0.73	
Note: Includes air cleaning of cracks. Excludes backer rod where required and routing of crack.		
For 3/4" x 1/2" Fill, Add	0.20	
For 1" x 1/2" Fill, Add	0.38	
For Backer Rod, Add	0.57	
32 01 17 61-0005 LF >2,000 To 5,000 LF Fill Cracks Up To 1/2" x 1/2" With Hot Asphalt Crack Filler.....	0.63	
Note: Includes air cleaning of cracks. Excludes backer rod where required and routing of crack.		
For 3/4" x 1/2" Fill, Add	0.18	
For 1" x 1/2" Fill, Add	0.33	
For Backer Rod, Add	0.54	
32 01 17 61-0006 LF >5,000 To 10,000 LF Fill Cracks Up To 1/2" x 1/2" With Hot Asphalt Crack Filler.....	0.56	
Note: Includes air cleaning of cracks. Excludes backer rod where required and routing of crack.		
For 3/4" x 1/2" Fill, Add	0.15	
For 1" x 1/2" Fill, Add	0.29	
For Backer Rod, Add	0.51	
32 01 17 61-0007 LF >10,000 LF Fill Cracks Up To 1/2" x 1/2" With Hot Asphalt Crack Filler.....	0.52	
Note: Includes air cleaning of cracks. Excludes backer rod where required and routing of crack.		
For 3/4" x 1/2" Fill, Add	0.14	
For 1" x 1/2" Fill, Add	0.27	
For Backer Rod, Add	0.50	
32 01 17 61-0008 LF Up To 200 LF Fill Cracks Up To 1/4" x 1/4" With Cold Pour Rubberized Asphalt Crack Filler.....	2.34	
32 01 17 61-0009 LF >200 To 500 LF Fill Cracks Up To 1/4" x 1/4" With Cold Pour Rubberized Asphalt Crack Filler.....	1.88	
32 01 17 61-0010 LF >500 To 2,000 LF Fill Cracks Up To 1/4" x 1/4" With Cold Pour Rubberized Asphalt Crack Filler.....	1.44	
32 01 17 61-0011 LF >2,000 To 5,000 LF Fill Cracks Up To 1/4" x 1/4" With Cold Pour Rubberized Asphalt Crack Filler.....	1.27	
32 01 17 61-0012 LF >5,000 To 10,000 LF Fill Cracks Up To 1/4" x 1/4" With Cold Pour Rubberized Asphalt Crack Filler.....	1.15	
32 01 17 61-0013 LF >10,000 LF Fill Cracks Up To 1/4" x 1/4" With Cold Pour Rubberized Asphalt Crack Filler.....	1.07	
32 01 17 61-0014 LF For Routing And Cleaning Of Crack, Add Per 1/2" Depth.....	0.44	

32 01 17 63 Pavement Repair (32 01 17)

32 01 17 63-0001 Temporary Pot Hole Repair (32 01 17 63)

Note: Includes removal of loose material and moisture, bonding agent, compaction, safety cones and hauling up to 15 miles. Excludes signage, barricades, flagmen, field survey or marking. See CSI section 01 74 19 00-0038 for hauling greater than 15 miles.

32 01 17 63-0002 EA Temporary Pot Hole Repairs With Cold Mix Modified, Up To 3 Tons.....	1,383.47	
32 01 17 63-0003 TON Temporary Pot Hole Repairs With Cold Mix Modified.....	420.67	
Note: Use for each ton over 3 tons.		
32 01 17 63-0004 EA Temporary Pot Hole Repairs With Cold Mix, Up To 3 Tons.....	1,313.88	
32 01 17 63-0005 TON Temporary Pot Hole Repairs With Cold Mix.....	397.48	
Note: Use for each ton over 3 tons.		
32 01 17 63-0006 EA Temporary Pot Hole Repairs With Hot Mix Modified, Up To 3 Tons.....	1,279.09	

32 Exterior Improvements**32 01 Operation And Maintenance Of Exterior Improvements****32 01 17 Flexible Paving Repair**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 01 17 63-0007 TON Temporary Pot Hole Repairs With Hot Mix Modified.....	385.88	
Note: Use for each ton over 3 tons.		
32 01 17 63-0008 EA Temporary Pot Hole Repairs With Hot Mix, Up To 3 Tons.....	1,244.30	
32 01 17 63-0009 TON Temporary Pot Hole Repairs With Hot Mix.....	374.28	
Note: Use for each ton over 3 tons.		
32 01 17 63-0010 Permanent Pot Hole Repair <small>(32 01 17 63)</small>		
Note: Includes removal of loose material and moisture, saw cutting, chipping, squaring off, bonding agent, compaction and hauling up to 15 miles Tasks do not include signage, barricades, flagmen, field survey or marking. See CSI section 01 74 19 00-0038 for hauling greater than 15 miles.		
32 01 17 63-0011 EA Permanent Pot Hole Repairs With Cold Mix, Up To 3 Tons.....	1,395.34	
32 01 17 63-0012 TON Permanent Pot Hole Repairs With Cold Mix.....	454.23	
Note: Use for each ton over 3 tons.		
32 01 17 63-0013 EA Permanent Pot Hole Repairs With Hot Mix Modified, Up To 3 Tons.....	1,360.55	
32 01 17 63-0014 TON Permanent Pot Hole Repairs With Hot Mix Modified.....	442.63	
Note: Use for each ton over 3 tons.		
32 01 17 63-0015 EA Permanent Pot Hole Repairs With Hot Mix, Up To 3 Tons.....	1,325.76	
32 01 17 63-0016 TON Permanent Pot Hole Repairs With Hot Mix.....	431.03	
Note: Use for each ton over 3 tons.		
32 01 17 63-0017 Asphalt Placement For Small Repairs <small>(32 01 17 63)</small>		
Note: This section is used for placing up to 100 tons of asphalt after a small area of existing asphalt is removed to allow work such as trenching across or in a road, excavating a drainage structure, uncovering a utility line, etc. Includes mobilization of paving equipment such as a roller, placing the asphalt, and compaction. Excludes saw cutting, demolition of existing pavement, and new subbase material. Use approximately 0.055 tons per square yard per inch of depth. See CSI section 02 41 19 13-0001 for saw cutting, 32 12 16 13-0000 for areas requiring more than 100 tons.		
32 01 17 63-0018 EA Asphalt Placement For Small Repair Areas, Cold Mix Modified, Up To 3 Tons.....	1,850.60	
Note: For small areas of existing asphalt is removed to allow work such as trenching across or in a road, excavating a drainage structure, uncovering a utility line, etc.		
32 01 17 63-0019 TON Asphalt Placement For Small Repair Areas, Cold Mix Modified.....	255.65	
Note: For each ton over 3 to 100 tons. For small areas of existing asphalt is removed to allow work such as trenching across or in a road, excavating a drainage structure, uncovering a utility line, etc.		
32 01 17 63-0020 EA Asphalt Placement For Small Repair Areas, Cold Mix, Up To 3 Tons.....	1,781.01	
Note: For small areas of existing asphalt is removed to allow work such as trenching across or in a road, excavating a drainage structure, uncovering a utility line, etc.		
32 01 17 63-0021 TON Asphalt Placement For Small Repair Areas, Cold Mix.....	232.46	
Note: For each ton over 3 to 100 tons. For small areas of existing asphalt is removed to allow work such as trenching across or in a road, excavating a drainage structure, uncovering a utility line, etc.		
32 01 17 63-0022 EA Asphalt Placement For Small Repair Areas, Hot Mix Modified, Up To 3 Tons.....	1,746.22	
Note: For small areas of existing asphalt is removed to allow work such as trenching across or in a road, excavating a drainage structure, uncovering a utility line, etc.		
32 01 17 63-0023 TON Asphalt Placement For Small Repair Areas, Hot Mix Modified.....	220.86	
Note: For each ton over 3 to 100 tons. For small areas of existing asphalt is removed to allow work such as trenching across or in a road, excavating a drainage structure, uncovering a utility line, etc.		
32 01 17 63-0024 EA Asphalt Placement For Small Repair Areas, Hot Mix, Up To 3 Tons.....	1,711.43	
Note: For small areas of existing asphalt is removed to allow work such as trenching across or in a road, excavating a drainage structure, uncovering a utility line, etc.		
32 01 17 63-0025 TON Asphalt Placement For Small Repair Areas, Hot Mix.....	209.26	
Note: For each ton over 3 to 100 tons. For small areas of existing asphalt is removed to allow work such as trenching across or in a road, excavating a drainage structure, uncovering a utility line, etc.		
32 01 17 63-0026 Grind Asphalt <small>(32 01 17 63)</small>		
32 01 17 63-0027 SY Grinding Asphalt To Level Bump Or Raised Area.....	17.97	
32 01 26 Rigid Paving Rehabilitation <small>(32 01)</small>		
32 01 26 71 Grooving Of Concrete Paving <small>(32 01 26)</small>		
32 01 26 71-0001 Roadway Grooving <small>(32 01 26 71)</small>		
32 01 26 71-0002 SY Pavement Grooving, Concrete, Longitudinal.....	0.91	
32 01 26 71-0003 SY Pavement Grooving, Concrete, Transverse.....	0.68	
32 01 26 71-0004 Rumble Strips <small>(32 01 26 71)</small>		
32 01 26 71-0005 LF Safe-Strips Shoulder Rumble Strips, Asphalt.....	0.29	
32 01 26 71-0006 LF Safe-Strips Shoulder Rumble Strips, Concrete.....	0.70	
32 01 26 71-0007 Boat Ramps Grooving <small>(32 01 26 71)</small>		
32 01 26 71-0008 SY Concrete Grooving, Boat Ramps.....	1.46	
32 01 90 Operation And Maintenance Of Planting <small>(32 01)</small>		
Note: These tasks are to be used as requested by the owner to maintain existing conditions.		
32 01 90 13 Fertilizing <small>(32 01 90)</small>		
32 01 90 13-0001 MSF Fertilizer - 2 LB Of Nitrogen/MSF (Granular).....	12.38	
32 01 90 13-0002 MSF Fertilizer - 2 LB Of Nitrogen/MSF (Liquid).....	9.00	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 01 90 13-0003 MSF Fertilizer - 0.5 LB Of Nitrogen/MSF (Granular)	9.85	
32 01 90 13-0004 MSF Fertilizer - 0.5 LB Of Nitrogen/MSF (Liquid)	8.07	
 32 01 90 19 Mowing <small>(32 01 90)</small>		
32 01 90 19-0001 ACR Vegetation Cutting By Bush Hog	140.61	
Note: Includes normal debris removal, cutting, and trimming. For <1 Acre, Add	35.15	
 32 01 90 23 Pruning <small>(32 01 90)</small>		
32 01 90 23-0001 Tree Pruning <small>(32 01 90 23)</small>		
Note: Types of pruning for mature trees (these standards are established by the ISA - International Society of Arboriculture) 1. CROWN CLEANING - Crown cleaning or cleaning out is the removal of dead, dying, diseased, crowded, weakly attached, and low-vigor branches and waterspouts from a tree crown. 2. CROWN THINNING - Crown thinning includes crown cleaning and the selective removal of branches to increase light penetration and air movement into the crown. Increased light and air stimulates and maintains interior foliage, which in turn improves branch taper and strength. Thinning reduces the wind-sail effect of the crown and the weight of the heavy limbs. Thinning the crown can emphasize the structural beauty of the trunk and branches as well as improve the growth of plants beneath the tree by increasing light penetration. When thinning the crown of mature trees, seldom should more than one-third of the live foliage be removed. At least one-half of the foliage should be on branches that arise in the lower two-thirds of the trees. Likewise, when thinning laterals from a limb, an effort should be made to retain inner lateral branches and leave the same distribution of foliage along the branch. Trees and branches so pruned will have stress more evenly distributed throughout the tree or along a branch. 3. CROWN RAISING - Crown raising removes the lower branches of a tree in order to provide clearance for buildings, vehicles, pedestrians, and vistas. It is important that a tree have at least one-half of its foliage on branches that originate in the lower two-thirds of its trunk to ensure a well-formed, tapered structure and to uniformly distribute stress within a tree. When pruning for view, it is preferable to develop "windows" through the foliage of the tree, rather than to severely raise or reduce the crown. 4. CROWN REDUCTION - Crown reduction is used to reduce the height and/or spread of a tree. Thinning cuts are most effective in maintaining the structural integrity and natural form of a tree and in delaying the time when it will need to be pruned again. The lateral to which a branch or trunk is cut should be at least one-half the diameter of the cut being made. 5. CROWN RESTORATION - Crown restoration can improve the structure and appearance of trees that have been topped or severely pruned using heading cuts. One to three sprouts on main branch stubs should be selected to reform a more natural appearing crown. Selected vigorous sprouts may need to be thinned to a lateral, or even headed, to control length growth in order to ensure adequate attachment for the size of the sprout. Restoration may require several pruning's over a number of years.		
32 01 90 23-0002 EA Tree Pruning (Crown Cleaning), 1-1/2" Caliper	25.74	
For Crown Thinning, Tree Pruning, Add	5.79	
For Crown Raising, Pruning, Add	9.01	
For Crown Reduction, Tree Pruning, Add	11.58	
For Crown Restoration, Pruning, Add	17.16	
32 01 90 23-0003 EA Tree Pruning (Crown Cleaning), 2" Caliper	29.42	
For Crown Thinning, Tree Pruning, Add	6.62	
For Crown Raising, Pruning, Add	10.30	
For Crown Reduction, Tree Pruning, Add	13.24	
For Crown Restoration, Pruning, Add	19.61	
32 01 90 23-0004 EA Tree Pruning (Crown Cleaning), 2-1/2" Caliper	33.09	
For Crown Thinning, Tree Pruning, Add	7.45	
For Crown Raising, Pruning, Add	11.58	
For Crown Reduction, Tree Pruning, Add	14.89	
For Crown Restoration, Pruning, Add	22.06	
32 01 90 23-0005 EA Tree Pruning (Crown Cleaning), 3" Caliper	36.77	
For Crown Thinning, Tree Pruning, Add	8.27	
For Crown Raising, Pruning, Add	12.87	
For Crown Reduction, Tree Pruning, Add	16.55	
For Crown Restoration, Pruning, Add	24.51	
32 01 90 23-0006 EA Tree Pruning (Crown Cleaning), 4" Caliper, By Hand	55.89	
For Crown Thinning, Tree Pruning, Add	12.58	
For Crown Raising, Pruning, Add	19.56	
For Crown Reduction, Tree Pruning, Add	25.15	
For Crown Restoration, Pruning, Add	37.26	
32 01 90 23-0007 EA Tree Pruning (Crown Cleaning), 4" Caliper, Aerial Lift Equipment	89.65	
For Crown Thinning, Tree Pruning, Add	20.17	
For Crown Raising, Pruning, Add	31.38	
For Crown Reduction, Tree Pruning, Add	40.34	
For Crown Restoration, Pruning, Add	59.77	
32 01 90 23-0008 EA Tree Pruning (Crown Cleaning), 6" Caliper, By Hand	97.81	
For Crown Thinning, Tree Pruning, Add	22.01	
For Crown Raising, Pruning, Add	34.23	
For Crown Reduction, Tree Pruning, Add	44.01	
For Crown Restoration, Pruning, Add	65.21	
32 01 90 23-0009 EA Tree Pruning (Crown Cleaning), 6" Caliper, Aerial Lift Equipment	170.74	
For Crown Thinning, Tree Pruning, Add	38.42	
For Crown Raising, Pruning, Add	59.76	
For Crown Reduction, Tree Pruning, Add	76.83	
For Crown Restoration, Pruning, Add	113.83	
32 01 90 23-0010 EA Tree Pruning (Crown Cleaning), 9" Caliper, By Hand	156.62	
For Crown Thinning, Tree Pruning, Add	35.24	
For Crown Raising, Pruning, Add	54.82	
For Crown Reduction, Tree Pruning, Add	70.48	
For Crown Restoration, Pruning, Add	104.42	

32 Exterior Improvements**32 01 Operation And Maintenance Of Exterior Improvements****32 01 90 Operation And Maintenance Of Planting**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 01 90 23-0011 EA Tree Pruning (Crown Cleaning), 9" Caliper, Aerial Lift Equipment.....	273.12	
For Crown Thinning, Tree Pruning, Add	61.45	
For Crown Raising, Pruning, Add	95.59	
For Crown Reduction, Tree Pruning, Add	122.90	
For Crown Restoration, Pruning, Add	182.09	
32 01 90 23-0012 EA Tree Pruning (Crown Cleaning), 12" Caliper, By Hand.....	180.98	
For Crown Thinning, Tree Pruning, Add	40.72	
For Crown Raising, Pruning, Add	63.34	
For Crown Reduction, Tree Pruning, Add	81.44	
For Crown Restoration, Pruning, Add	120.66	
32 01 90 23-0013 EA Tree Pruning (Crown Cleaning), 12" Caliper, Aerial Lift Equipment.....	315.84	
For Crown Thinning, Tree Pruning, Add	71.06	
For Crown Raising, Pruning, Add	110.54	
For Crown Reduction, Tree Pruning, Add	142.13	
For Crown Restoration, Pruning, Add	210.57	
32 01 90 23-0014 EA Tree Pruning (Crown Cleaning), 18" Caliper By Hand.....	210.38	
For Crown Thinning, Tree Pruning, Add	47.34	
For Crown Raising, Pruning, Add	73.63	
For Crown Reduction, Tree Pruning, Add	94.67	
For Crown Restoration, Pruning, Add	140.26	
32 01 90 23-0015 EA Tree Pruning (Crown Cleaning), 18" Caliper By Hand, Aerial Lift Equipment.....	367.06	
For Crown Thinning, Tree Pruning, Add	82.59	
For Crown Raising, Pruning, Add	128.47	
For Crown Reduction, Tree Pruning, Add	165.18	
For Crown Restoration, Pruning, Add	244.72	
32 01 90 23-0016 EA Tree Pruning (Crown Cleaning), 24" Caliper, By Hand.....	256.09	
For Crown Thinning, Tree Pruning, Add	57.62	
For Crown Raising, Pruning, Add	89.63	
For Crown Reduction, Tree Pruning, Add	115.24	
For Crown Restoration, Pruning, Add	170.74	
32 01 90 23-0017 EA Tree Pruning (Crown Cleaning), 24" Caliper, Aerial Lift Equipment.....	443.96	
For Crown Thinning, Tree Pruning, Add	99.89	
For Crown Raising, Pruning, Add	155.39	
For Crown Reduction, Tree Pruning, Add	199.78	
For Crown Restoration, Pruning, Add	295.99	
32 01 90 23-0018 EA Tree Pruning (Crown Cleaning), 30" Caliper, By Hand.....	318.13	
For Crown Thinning, Tree Pruning, Add	71.58	
For Crown Raising, Pruning, Add	111.35	
For Crown Reduction, Tree Pruning, Add	143.16	
For Crown Restoration, Pruning, Add	212.10	
32 01 90 23-0019 EA Tree Pruning (Crown Cleaning), 30" Caliper, Aerial Lift Equipment.....	559.53	
For Crown Thinning, Tree Pruning, Add	125.89	
For Crown Raising, Pruning, Add	195.84	
For Crown Reduction, Tree Pruning, Add	251.79	
For Crown Restoration, Pruning, Add	373.04	
32 01 90 23-0020 EA Tree Pruning (Crown Cleaning), 36" Caliper, By Hand.....	435.72	
For Crown Thinning, Tree Pruning, Add	98.04	
For Crown Raising, Pruning, Add	152.50	
For Crown Reduction, Tree Pruning, Add	196.07	
For Crown Restoration, Pruning, Add	290.49	
32 01 90 23-0021 EA Tree Pruning (Crown Cleaning), 36" Caliper, Aerial Lift Equipment.....	758.35	
For Crown Thinning, Tree Pruning, Add	170.63	
For Crown Raising, Pruning, Add	265.42	
For Crown Reduction, Tree Pruning, Add	341.26	
For Crown Restoration, Pruning, Add	505.59	
32 01 90 23-0022 EA Tree Pruning (Crown Cleaning), 48" Caliper, By Hand.....	691.25	
For Crown Thinning, Tree Pruning, Add	155.53	
For Crown Raising, Pruning, Add	241.94	
For Crown Reduction, Tree Pruning, Add	311.06	
For Crown Restoration, Pruning, Add	460.86	
32 01 90 23-0023 EA Tree Pruning (Crown Cleaning), 48" Caliper, Aerial Lift Equipment.....	1,219.54	
For Crown Thinning, Tree Pruning, Add	274.40	
For Crown Raising, Pruning, Add	426.84	
For Crown Reduction, Tree Pruning, Add	548.79	
For Crown Restoration, Pruning, Add	813.07	
32 01 90 23-0024 EA Trim Mexican Palm Tree.....	77.98	
32 01 90 23-0025 EA Trim Date Palm Tree.....	175.95	
32 01 90 23-0026 LF Skin Palm Tree.....	20.00	
32 01 90 23-0027 Shrub Pruning <small>(32 01 90 23)</small>		
32 01 90 23-0028 MSF Shrub Pruning, Prune, Shrub Bed.....	83.81	
32 01 90 23-0029 EA Shrub Pruning, Prune, Shrub Under 3' Height.....	2.94	
32 01 90 23-0030 EA Shrub Pruning, Prune, Shrub 4' Height.....	6.61	
32 01 90 23-0031 EA Shrub Pruning, Prune, Shrub Over 6'.....	11.77	
32 01 90 23-0032 EA Shrub Pruning, Prune Trees From Ground.....	29.42	
32 01 90 23-0033 EA Shrub Pruning, Prune Trees From Ground, High Work.....	73.55	
32 01 90 23-0034 Root Pruning <small>(32 01 90 23)</small>		
Note: Cut roots cleanly after excavation with clean, sharp tools, to promote callus formation and wound closure. Wounds to be dressed with a tree rooting hormone compound. Mix soil improvements (e.g., peat moss) with fill soil to promote new root growth. Backfill the excavation and water the soil around the roots to avoid leaving air pockets.		
32 01 90 23-0035 EA Root Pruning, One Side Of Up To 1-1/2" Caliper Tree.....	14.71	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 01 90 23-0036 EA Root Pruning, One Side Of 2" Caliper Tree	18.39	
32 01 90 23-0037 EA Root Pruning, One Side Of 2-1/2" Caliper Tree	22.06	
32 01 90 23-0038 EA Root Pruning, One Side Of 3" Caliper Tree	29.42	
32 01 90 23-0039 EA Root Pruning, One Side Of 4" Caliper Tree	44.13	
32 01 90 23-0040 EA Root Pruning, One Side Of 6" Caliper Tree	55.16	
32 01 90 23-0041 EA Root Pruning, One Side Of 9" Caliper Tree	77.23	
32 01 90 23-0042 EA Root Pruning, One Side Of 12" Caliper Tree	88.26	
32 01 90 23-0043 EA Root Pruning, One Side Of 18" Caliper Tree	102.97	
32 01 90 23-0044 EA Root Pruning, One Side Of 24" Caliper Tree	128.71	
32 01 90 23-0045 EA Root Pruning, One Side Of 30" Caliper Tree	158.13	
32 01 90 23-0046 EA Root Pruning, One Side Of 36" Caliper Tree	183.87	
32 01 90 23-0047 EA Root Pruning, One Side Of 48" Caliper Tree	220.65	
32 01 90 26 Watering <small>(32 01 90)</small>		
Note: Includes delivered water. Not to be used as basis if watering with irrigation system or on-site owner provided water from hose or hydrant.		
32 01 90 26-0001 Watering Lawns, Plants And Trees <small>(32 01 90 26)</small>		
Note: Includes delivered water and watering truck. Not to be used as basis if watering with irrigation system or on-site owner provided water from hose or hydrant. These tasks are to be used as requested by the owner for extended watering period for lawns, plants and trees.		
32 01 90 26-0002 MSF Watering Sod/Grass, Per Inch Of Water	27.78	
32 01 90 26-0003 CSF Watering Groundcover.....	4.51	
32 01 90 26-0004 CSF Watering Annuals And Perennials	8.29	
32 01 90 26-0005 EA Watering Trees, 1" To 5" Diameter By Hand	8.35	
32 01 90 26-0006 EA Watering Trees, 6" To 12" Diameter By Hand	11.15	
32 01 90 26-0007 EA Watering Trees, 13" To 18" Diameter By Hand	14.10	
32 01 90 26-0008 EA Watering Trees, >18" Diameter By Hand.....	16.73	
32 01 90 26-0009 EA Watering Shrub Or Bush By Hand	7.30	
32 01 90 36 Weed And Brush Control <small>(32 01 90)</small>		
32 01 90 36-0001 Herbicide, Push Or Hand Spreader Applied <small>(32 01 90 36)</small>		
32 01 90 36-0002 MSF Non-Selective Post Emergent Weed Herbicide (70.4 oz/acre or 1.62 oz/MSF).....	6.56	
For >45 To 90, Deduct	-0.35	
For >90 To 225, Deduct	-1.00	
For >225 To 870, Deduct	-1.66	
For >870, Deduct	-2.01	
32 01 90 36-0003 MSF Non-Selective Post Emergent Woody Brush And Tree Herbicide (128 oz/acre or 2.94 oz/MSF)	6.89	
For >45 To 90, Deduct	-0.38	
For >90 To 225, Deduct	-1.07	
For >225 To 870, Deduct	-1.76	
For >870, Deduct	-2.14	
32 01 90 36-0004 MSF Selective Weed Herbicide (56 oz/Acre or 1.28 oz/MSF)	6.87	
Note: Includes pre and post emergent.		
For >45 To 90, Deduct	-0.38	
For >90 To 225, Deduct	-1.07	
For >225 To 870, Deduct	-1.75	
For >870, Deduct	-2.13	
32 01 90 36-0005 MSF Selective Woody Brush And Tree Herbicide (72 oz/acre or 1.65 oz/MSF)	7.07	
Note: Includes pre and post emergents.		
For >45 To 90, Deduct	-0.40	
For >90 To 225, Deduct	-1.11	
For >225 To 870, Deduct	-1.81	
For >870, Deduct	-2.21	
32 01 90 39 Pesticides <small>(32 01 90)</small>		
32 01 90 39-0001 MSF Pesticide - Surface Eating.....	9.38	
32 01 90 39-0002 MSF Pesticide - Subsurface Eating.....	9.42	
32 01 90 39-0003 MSF Pesticide - Fungicide Application	10.19	
32 01 90 43 Weed And Cultivate Beds <small>(32 01 90)</small>		
32 01 90 43-0001 MSF Weed Mulched Bed	36.07	
32 01 90 43-0002 MSF Weed Unmulched Bed.....	103.08	
32 01 90 43-0003 MSF Cultivate Bed	55.50	
32 01 90 46 Hedge Trimming <small>(32 01 90)</small>		
32 01 90 46-0001 LF Trim 0-5' High Hedge, 0-3' Wide.....	4.76	
32 01 90 46-0002 LF Trim 0-5' High Hedge, 4-6' Wide.....	7.13	
32 01 90 46-0003 LF Trim 5-10' High Hedge, 0-3' Wide.....	10.80	
32 01 90 46-0004 LF Trim 5-10' High Hedge, 4-6' Wide.....	11.01	
32 01 90 53 Plant Growth Regulator Application <small>(32 01 90)</small>		
32 01 90 53-0001 EA Plant Growth Regulator Application	5.31	

32 Exterior Improvements**32 10 Bases, Ballasts, And Paving****32 01 90 Operation And Maintenance Of Planting**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST
32 10 Bases, Ballasts, And Paving ⁽³²⁾**32 11 Base Courses** ^(32 10)**32 11 16 Subbase Courses** ^(32 11)**32 11 16 16 Aggregate Subbase Courses** ^(32 11 16)**32 11 16 16-0001 Base And Subbase Courses For Roadways And Parking Areas** ^(32 11 16 16)

Note: Includes 3/4" To 1-1/2" aggregate material, hauling up to 15 miles, placement, spreading, grading, compacting and watering. See CSI section 01 74 19 00-0038 for hauling greater than 15 miles.

32 11 16 16-0002 Base And Subbase Courses By The CY ^(32 11 16 16-0001)

32 11 16 16-0003	CY	Class II Graded Crushed Aggregate Roadway Base Course	91.20
32 11 16 16-0004	CY	Class III Graded Crushed Aggregate Roadway Base Course	85.42

32 11 23 Aggregate Base Courses ^(32 11)**32 11 23 16 Aggregate Base Courses** ^(32 11 23)**32 11 23 16-0001 Base Courses For Sidewalk (Asphalt Or Concrete)** ^(32 11 23 16)

Note: Includes material, hauling up to 15 miles, placement, spreading, grading, and compaction. See CSI section 01 74 19 00-0038 for hauling greater than 15 miles.

32 11 23 16-0002	SF	2" Crushed Aggregate Base Course For Sidewalks	0.75
		For Up To 1,000, Add	0.20
		For >1,000 To 2,500, Add	0.08
32 11 23 16-0003	SF	3" Crushed Aggregate Base Course For Sidewalks	1.02
		For Up To 1,000, Add	0.27
		For >1,000 To 2,500, Add	0.10
32 11 23 16-0004	SF	4" Crushed Aggregate Base Course For Sidewalks	1.29
		For Up To 1,000, Add	0.35
		For >1,000 To 2,500, Add	0.13
32 11 23 16-0005	SF	5" Crushed Aggregate Base Course For Sidewalks	1.71
		For Up To 1,000, Add	0.46
		For >1,000 To 2,500, Add	0.17
32 11 23 16-0006	SF	6" Crushed Aggregate Base Course For Sidewalks	2.11
		For Up To 1,000, Add	0.56
		For >1,000 To 2,500, Add	0.21
32 11 23 16-0007	SF	7" Crushed Aggregate Base Course For Sidewalks	2.43
		For Up To 1,000, Add	0.65
		For >1,000 To 2,500, Add	0.24
32 11 23 16-0008	SF	8" Crushed Aggregate Base Course For Sidewalks	2.74
		For Up To 1,000, Add	0.73
		For >1,000 To 2,500, Add	0.27

32 11 26 Asphaltic Base Courses ^(32 11)**32 11 26 19 Bituminous-Stabilized Base Courses** ^(32 11 26)**32 11 26 19-0001 Bituminous-Stabilized Base Courses** ^(32 11 26 19)

32 11 26 19-0002	CY	Bituminous Stabilized Base Course	93.01
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Note: 3/4" ASTM C33.

32 12 Flexible Paving ^(32 10)**32 12 13 Preparatory Coats** ^(32 12)**32 12 13 13 Tack Coats** ^(32 12 13)

32 12 13 13-0001	SY	Tack Coat, 0.04 Gallon/SY	0.40
		For Up To 150, Add	0.07
		For >150 To 300, Add	0.04
		For >300 To 500, Add	0.02
		For >3,500 To 5,000, Deduct	-0.01
		For >5,000, Deduct	-0.02
32 12 13 13-0002	SY	Tack Coat, 0.05 Gallon/SY	0.44
		For Up To 150, Add	0.08
		For >150 To 300, Add	0.04
		For >300 To 500, Add	0.02
		For >3,500 To 5,000, Deduct	-0.01
		For >5,000, Deduct	-0.03
32 12 13 13-0003	SY	Tack Coat, 0.07 Gallon/SY	0.50
		For Up To 150, Add	0.10
		For >150 To 300, Add	0.05
		For >300 To 500, Add	0.03
		For >3,500 To 5,000, Deduct	-0.01
		For >5,000, Deduct	-0.03
32 12 13 13-0004	SY	Tack Coat, 0.08 Gallon/SY	0.54
		For Up To 150, Add	0.11
		For >150 To 300, Add	0.05
		For >300 To 500, Add	0.03
		For >3,500 To 5,000, Deduct	-0.01
		For >5,000, Deduct	-0.03



		Exterior Improvements	32
		Bases, Ballasts, And Paving	32 10
		Flexible Paving	32 12

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 12 13 13-0005 SY Tack Coat, 0.10 Gallon/SY	0.60	
For Up To 150, Add	0.12	
For >150 To 300, Add	0.06	
For >300 To 500, Add	0.03	
For >3,500 To 5,000, Deduct	-0.02	
For >5,000, Deduct	-0.04	
32 12 13 13-0006 SY Tack Coat, 0.11 Gallon/SY	0.64	
For Up To 150, Add	0.13	
For >150 To 300, Add	0.06	
For >300 To 500, Add	0.03	
For >3,500 To 5,000, Deduct	-0.02	
For >5,000, Deduct	-0.04	
32 12 13 19 Prime Coats <small>(32 12 13)</small>		
32 12 13 19-0001 SY Surface Prime Coat, 0.26 Gallon/SY	1.01	
For Up To 150, Add	0.22	
For >150 To 300, Add	0.10	
For >300 To 500, Add	0.05	
For >3,500 To 5,000, Deduct	-0.03	
For >5,000, Deduct	-0.07	
32 12 13 19-0002 SY Surface Prime Coat, 0.28 Gallon/SY	1.07	
For Up To 150, Add	0.24	
For >150 To 300, Add	0.11	
For >300 To 500, Add	0.05	
For >3,500 To 5,000, Deduct	-0.03	
For >5,000, Deduct	-0.07	
32 12 13 19-0003 SY Surface Prime Coat, 0.30 Gallon/SY	1.12	
For Up To 150, Add	0.25	
For >150 To 300, Add	0.11	
For >300 To 500, Add	0.06	
For >3,500 To 5,000, Deduct	-0.03	
For >5,000, Deduct	-0.08	
32 12 16 Asphalt Paving <small>(32 12)</small>		
32 12 16 13 Plant-Mix Asphalt Paving <small>(32 12 16)</small>		
Note: Includes delivery up to 15 miles, placement, rolling, finishing and sweeping. See CSI section 01 74 19 00-0038 for hauling greater than 15 miles.		
32 12 16 13-0001 Intermediate Binder Courses, Hot Mix Asphalt (HMA) <small>(32 12 16 13)</small>		
Note: Meets Caltrans requirements.		
32 12 16 13-0002 TON Bituminous Hot Mix Intermediate Course 3,954 LB/CY	128.05	
Note: Includes Type A and Type B with 1/2" to 3/4" course or medium aggregate, placement, rolling, finishing and sweeping. Used for applications not described elsewhere in this section.		
For PG64-10 Asphalt, Add	15.98	
For >500 To 1,000, Deduct	-5.68	
For >1,000 To 2,500, Deduct	-10.30	
For >2,500 To 5,000, Deduct	-15.98	
For >5,000, Deduct	-22.91	
For Warm Mix Additive, Add	6.93	
32 12 16 13-0003 SY 1" Thick Binder Course	7.40	
Note: Includes placement, rolling, finishing and sweeping.		
For PG64-10 Asphalt, Add	0.88	
For >10,000 To 20,000, Deduct	-0.32	
For >20,000 To 50,000, Deduct	-0.59	
For >50,000 To 100,000, Deduct	-0.91	
For >100,000, Deduct	-1.31	
32 12 16 13-0004 SY 1-1/2" Thick Binder Course	10.95	
Note: Includes placement, rolling, finishing and sweeping.		
For PG64-10 Asphalt, Add	1.32	
For >7,000 To 14,000, Deduct	-0.48	
For >14,000 To 32,000, Deduct	-0.88	
For >32,000 To 64,000, Deduct	-1.36	
For >64,000, Deduct	-1.95	
32 12 16 13-0005 SY 2" Thick Binder Course	14.46	
Note: Includes placement, rolling, finishing and sweeping.		
For PG64-10 Asphalt, Add	1.76	
For >5,000 To 10,000, Deduct	-0.64	
For >10,000 To 24,000, Deduct	-1.16	
For >24,000 To 48,000, Deduct	-1.80	
For >48,000, Deduct	-2.59	
32 12 16 13-0006 SY 2-1/2" Thick Binder Course	17.61	
Note: Includes placement, rolling, finishing and sweeping.		
For PG64-10 Asphalt, Add	2.19	
For >4,000 To 8,000, Deduct	-0.79	
For >8,000 To 20,000, Deduct	-1.44	
For >20,000 To 40,000, Deduct	-2.23	
For >40,000, Deduct	-3.19	
32 12 16 13-0007 SY 3" Thick Binder Course	20.77	
Note: Includes placement, rolling, finishing and sweeping.		
For PG64-10 Asphalt, Add	2.63	
For >3,000 To 6,000, Deduct	-0.94	
For >6,000 To 16,000, Deduct	-1.71	
For >16,000 To 32,000, Deduct	-2.65	
For >32,000, Deduct	-3.80	

32	Exterior Improvements
32 10	Bases, Ballasts, And Paving
32 12	Flexible Paving



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 12 16 13-0008 SY 3-1/2" Thick Binder Course.....	24.21	
Note: Includes placement, rolling, finishing and sweeping.		
For PG64-10 Asphalt, Add	3.07	
For >2,800 To 5,600, Deduct	-1.10	
For >5,600 To 14,000, Deduct	-1.99	
For >14,000 To 28,000, Deduct	-3.09	
For >28,000, Deduct	-4.43	
32 12 16 13-0009 SY 4" Thick Binder Course.....	27.70	
Note: Includes placement, rolling, finishing and sweeping.		
For PG64-10 Asphalt, Add	3.51	
For >2,500 To 5,000, Deduct	-1.26	
For >5,000 To 12,000, Deduct	-2.28	
For >12,000 To 24,000, Deduct	-3.53	
For >24,000, Deduct	-5.07	
32 12 16 13-0010 SY 5" Thick Binder Course.....	34.59	
Note: Includes placement, rolling, finishing and sweeping.		
For PG64-10 Asphalt, Add	4.39	
For >2,000 To 3,900, Deduct	-1.57	
For >3,900 To 10,000, Deduct	-2.85	
For >10,000 To 20,000, Deduct	-4.42	
For >20,000, Deduct	-6.33	
32 12 16 13-0011 SY 6" Thick Binder Course.....	41.56	
Note: Includes placement, rolling, finishing and sweeping.		
For PG64-10 Asphalt, Add	5.27	
For >1,600 To 3,200, Deduct	-1.88	
For >3,200 To 8,000, Deduct	-3.42	
For >8,000 To 16,000, Deduct	-5.30	
For >16,000, Deduct	-7.60	
32 12 16 13-0012 Surface Courses, Hot Mix Asphalt (HMA) (32 12 16 13)		
Note: Meets Caltrans requirements.		
32 12 16 13-0013 TON Bituminous Hot Mix Surface Course 3954 LB/CY.....	128.55	
Note: Includes Type A and Type B with 1/2" to 3/4" course or medium aggregate, placement, rolling, finishing and sweeping. Used for applications not described elsewhere in this section.		
For PG64-10 Asphalt, Add	2.54	
For >500 To 1,000, Deduct	-5.53	
For >1,000 To 2,500, Deduct	-10.04	
For >2,500 To 5,000, Deduct	-15.57	
For >5,000, Deduct	-22.34	
For Warm Mix Additive, Add	6.61	
32 12 16 13-0014 TON Tire Rubber Modified Paving Asphalt (TRMAC) Surface Course (MAC-15TR).....	142.18	
Note: Includes 1/2" to 3/4" course or medium aggregate, placement, rolling, finishing and sweeping.		
For Warm Mix Additive, Add	7.20	
32 12 16 13-0015 TON Asphalt Rubberized Hot Mix (ARHM) Surface Course.....	152.35	
Note: Includes 1/2" to 3/4" course or medium aggregate, placement, rolling, finishing and sweeping.		
For Warm Mix Additive, Add	7.87	
32 12 16 13-0016 SY 1" Thick Surface Course.....	7.28	
Note: Includes placement, rolling, finishing and sweeping.		
For PG64-10 Asphalt, Add	0.13	
For >10,000 To 20,000, Deduct	-0.31	
For >20,000 To 50,000, Deduct	-0.56	
For >50,000 To 100,000, Deduct	-0.86	
For >100,000, Deduct	-1.24	
32 12 16 13-0017 SY 1-1/2" Thick Surface Course.....	10.71	
Note: Includes placement, rolling, finishing and sweeping.		
For PG64-10 Asphalt, Add	0.20	
For >7,000 To 14,000, Deduct	-0.45	
For >14,000 To 32,000, Deduct	-0.83	
For >32,000 To 64,000, Deduct	-1.28	
For >64,000, Deduct	-1.84	
32 12 16 13-0018 SY 2" Thick Surface Course.....	14.11	
Note: Includes placement, rolling, finishing and sweeping.		
For PG64-10 Asphalt, Add	0.27	
For >5,000 To 10,000, Deduct	-0.60	
For >10,000 To 24,000, Deduct	-1.10	
For >24,000 To 48,000, Deduct	-1.70	
For >48,000, Deduct	-2.44	
32 12 16 13-0019 SY 2-1/2" Thick Surface Course.....	17.06	
Note: Includes placement, rolling, finishing and sweeping.		
For PG64-10 Asphalt, Add	0.33	
For >4,000 To 8,000, Deduct	-0.74	
For >8,000 To 20,000, Deduct	-1.35	
For >20,000 To 40,000, Deduct	-2.09	
For >40,000, Deduct	-3.00	
32 12 16 13-0020 SY 3" Thick Surface Course.....	20.02	
Note: Includes placement, rolling, finishing and sweeping.		
For PG64-10 Asphalt, Add	0.40	
For >3,000 To 6,000, Deduct	-0.88	
For >6,000 To 16,000, Deduct	-1.60	
For >16,000 To 32,000, Deduct	-2.48	
For >32,000, Deduct	-3.56	
32 12 16 13-0021 CSF Type F Asphalt Surface Cap 1/8" To 1/4" Thick For Use Only On Top Concrete Filled Trench.....	51.31	

32 12 16 13-0022 Hand Placed, Hot Mix Asphalt (HMA) (32 12 16 13)



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 12 16 13-0023 TON Hand Placed Hot Mixed Asphalt 3,954 LB/CY.....	282.44	
Note: For small areas not reachable by machine. Includes placement, rolling, finishing and sweeping.		
32 12 16 13-0024 AC Dikes <small>(32 12 16 13)</small>		
See CSI section 32 11 23 16-0001 for base course.		
32 12 16 13-0025 LF Type A, Asphalt Concrete Dike.....	10.10	4.28
For Up To 100, Add	4.67	
For >100 To 500, Add	1.36	
For >1,000 To 5,000, Deduct	-0.86	
For >5,000, Deduct	-1.36	
32 12 16 13-0026 LF Type C, Asphalt Concrete Dike.....	8.99	4.28
For Up To 100, Add	4.39	
For >100 To 500, Add	1.31	
For >1,000 To 5,000, Deduct	-0.86	
For >5,000, Deduct	-1.31	
32 12 16 13-0027 LF Type D, Asphalt Concrete Dike.....	11.90	4.28
For Up To 100, Add	5.12	
For >100 To 500, Add	1.45	
For >1,000 To 5,000, Deduct	-0.86	
For >5,000, Deduct	-1.45	
32 12 16 13-0028 LF Type E, Asphalt Concrete Dike.....	10.05	4.28
For Up To 100, Add	4.65	
For >100 To 500, Add	1.36	
For >1,000 To 5,000, Deduct	-0.86	
For >5,000, Deduct	-1.36	
32 12 16 13-0029 LF Type F, Asphalt Concrete Dike.....	9.32	4.28
For Up To 100, Add	4.47	
For >100 To 500, Add	1.32	
For >1,000 To 5,000, Deduct	-0.86	
For >5,000, Deduct	-1.32	
32 12 16 13-0030 Ditch Lining <small>(32 12 16 13)</small>		
32 12 16 13-0031 SY 4" Concrete Ditch Pavement.....	52.47	
32 12 16 13-0032 SY 4" Asphalt Ditch Pavement.....	40.53	
32 12 16 13-0033 SY 4" Soil-Cement Ditch Pavement.....	6.04	
32 12 16 13-0034 SY 4" Rip-Rap Ditch Pavement.....	12.48	
32 12 16 19 Cold-Mix Asphalt Paving <small>(32 12 16)</small>		
Note: 0.5 Gal asphalt/SY per inch depth; well graded granular aggregate.		
32 12 16 19-0001 Cold Mix Asphalt (CMA) Pavement <small>(32 12 16 19)</small>		
Note: 0.5 Gal asphalt/SY per inch depth; well graded granular aggregate.		
32 12 16 19-0002 SY Cold Laid Asphalt Pavement, Traveling Plant Mixed In Windrows, Compacted 4" Course.....	11.28	
32 12 16 19-0003 SY Cold Laid Asphalt Pavement, Rotary Plant Mixed In Place, Compacted 4" Course.....	11.02	
32 12 16 19-0004 SY Cold Laid Asphalt Pavement, Central Stationary Plant, Mixed, Compacted 4" Course.....	18.55	
32 12 16 39 Fabrics <small>(32 12 16)</small>		
See CSI section 31 32 19 16-0000 for geotextile fabric.		
32 12 16 39-0001 SY 3.6 Oz/SY, 90 LB Grab Tensile Nonwoven Polypropylene Geotextile Paving Fabric (Carthage Mills FX-38A/O).....	0.82	
For Up To 50, Add	0.20	
For >50 To 150, Add	0.15	
For >150 To 250, Add	0.09	
For >250 To 500, Add	0.05	
32 12 16 39-0002 SY 4.1 Oz/SY, 101 LB Grab Tensile Nonwoven Polypropylene Geotextile Paving Fabric (Carthage Mills FX-42 A/O).....	0.88	
For Up To 50, Add	0.21	
For >50 To 150, Add	0.16	
For >150 To 250, Add	0.10	
For >250 To 500, Add	0.05	
32 12 16 43 Waterproofing Membranes <small>(32 12 16)</small>		
32 12 16 43-0001 Waterproofing Membranes <small>(32 12 16 43)</small>		
32 12 16 43-0002 SY Up To 500 SY, Preformed Rubberized Asphalt Membrane.....	29.19	
32 12 16 43-0003 SY >500 To 1,000 SY, Preformed Rubberized Asphalt Membrane.....	22.05	
32 12 16 43-0004 SY >1,000 SY, Preformed Rubberized Asphalt Membrane.....	14.00	
32 12 33 Flexible Paving Surface Treatments <small>(32 12)</small>		
32 12 33 00-0001 Bituminous Surface Treatment For Roadways <small>(32 12 33)</small>		
Note: 0.25 Gal bitumen per SY and 30 lb of gravel/SY.		
32 12 33 00-0002 SY Single Course Bituminous Treatment, Prepare And Clean Surface Roadway.....	2.60	
32 12 33 00-0003 SY Double Course Bituminous Treatment, Prepare And Clean Surface Roadway.....	4.64	
32 12 33 00-0004 Bituminous Surface Treatment For Trails <small>(32 12 33)</small>		
Note: 0.25 Gal bitumen per SY and 20 lb of gravel/SY.		
32 12 33 00-0005 SY Bituminous Surface Treatment, For Trails.....	1.86	

32	Exterior Improvements
32 10	Bases, Ballasts, And Paving
32 12	Flexible Paving



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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32 12 36 Seal Coats (32 12)

32 12 36 00-0001	Asphalt Seal Coating, For Roads And Parking Lot <small>(32 12 36)</small>		Note: Includes sweeping and cleaning of area.		
32 12 36 00-0002	SY Asphalt Seal Coating Minimum.....		Note: For projects where the total charges are less than the minimum set-up charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.	369.75	
32 12 36 00-0003	SY Up To 500 SY, Type II Slurry Seal Asphalt Coating.....		Note: 1/4" thick, 14 to 18 Lbs/SY.	5.19	
	For Rubberized Emulsion Aggregate Slurry (REAS), Add			0.37	
	For Rubberized Polymer Modified Emulsion (RPME), Add			0.46	
	For Latex Modified Asphalt Emulsion, Add			0.37	
32 12 36 00-0004	SY >500 To 1,000 SY, Type II Slurry Seal Asphalt Coating		Note: 1/4" thick, 14 to 18 Lbs/SY.	4.09	
	For Rubberized Emulsion Aggregate Slurry (REAS), Add			0.32	
	For Rubberized Polymer Modified Emulsion (RPME), Add			0.41	
	For Latex Modified Asphalt Emulsion, Add			0.32	
32 12 36 00-0005	SY >1,000 To 5,000 SY, Type II Slurry Seal Asphalt Coating		Note: 1/4" thick, 14 to 18 Lbs/SY.	3.14	
	For Rubberized Emulsion Aggregate Slurry (REAS), Add			0.25	
	For Rubberized Polymer Modified Emulsion (RPME), Add			0.33	
	For Latex Modified Asphalt Emulsion, Add			0.25	
32 12 36 00-0006	SY >5,000 To 20,000 SY, Type II Slurry Seal Asphalt Coating		Note: 1/4" thick, 14 to 18 Lbs/SY.	2.47	
	For Rubberized Emulsion Aggregate Slurry (REAS), Add			0.21	
	For Rubberized Polymer Modified Emulsion (RPME), Add			0.28	
	For Latex Modified Asphalt Emulsion, Add			0.21	
32 12 36 00-0007	SY >20,000 To 50,000 SY, Type II Slurry Seal Asphalt Coating		Note: 1/4" thick, 14 to 18 Lbs/SY.	2.06	
	For Rubberized Emulsion Aggregate Slurry (REAS), Add			0.18	
	For Rubberized Polymer Modified Emulsion (RPME), Add			0.24	
	For Latex Modified Asphalt Emulsion, Add			0.18	
32 12 36 00-0008	SY Up To 500 SY, Type III Slurry Seal Asphalt Coating.....		Note: 3/8" thick, 25 to 30 Lbs/SY.	5.96	
	For Rubberized Emulsion Aggregate Slurry (REAS), Add			0.43	
	For Rubberized Polymer Modified Emulsion (RPME), Add			0.54	
	For Latex Modified Asphalt Emulsion, Add			0.43	
32 12 36 00-0009	SY >500 To 1,000 SY, Type III Slurry Seal Asphalt Coating		Note: 3/8" thick, 25 to 30 Lbs/SY.	4.82	
	For Rubberized Emulsion Aggregate Slurry (REAS), Add			0.38	
	For Rubberized Polymer Modified Emulsion (RPME), Add			0.48	
	For Latex Modified Asphalt Emulsion, Add			0.38	
32 12 36 00-0010	SY >1,000 To 5,000 SY, Type III Slurry Seal Asphalt Coating		Note: 3/8" thick, 25 to 30 Lbs/SY.	3.63	
	For Rubberized Emulsion Aggregate Slurry (REAS), Add			0.30	
	For Rubberized Polymer Modified Emulsion (RPME), Add			0.39	
	For Latex Modified Asphalt Emulsion, Add			0.30	
32 12 36 00-0011	SY >5,000 To 20,000 SY, Type III Slurry Seal Asphalt Coating		Note: 3/8" thick, 25 to 30 Lbs/SY.	2.89	
	For Rubberized Emulsion Aggregate Slurry (REAS), Add			0.25	
	For Rubberized Polymer Modified Emulsion (RPME), Add			0.33	
	For Latex Modified Asphalt Emulsion, Add			0.25	
32 12 36 00-0012	SY >20,000 To 50,000 SY, Type III Slurry Seal Asphalt Coating		Note: 3/8" thick, 25 to 30 Lbs/SY.	2.40	
	For Rubberized Emulsion Aggregate Slurry (REAS), Add			0.21	
	For Rubberized Polymer Modified Emulsion (RPME), Add			0.29	
	For Latex Modified Asphalt Emulsion, Add			0.21	
32 12 36 00-0013	SY Up To 500 SY, Type I Thermoplastic Coal-Tar Asphalt Seal			4.83	
32 12 36 00-0014	SY >500 To 1,000 SY, Type I Thermoplastic Coal-Tar Asphalt Seal			3.94	
32 12 36 00-0015	SY >1,000 To 5,000 SY, Type I Thermoplastic Coal-Tar Asphalt Seal.....			3.02	
32 12 36 00-0016	SY >5,000 To 20,000 SY, Type I Thermoplastic Coal-Tar Asphalt Seal.....			2.44	
32 12 36 00-0017	SY >20,000 SY, Type I Thermoplastic Coal-Tar Asphalt Seal			2.04	
32 12 36 00-0018	SY Up To 500 SY, Type II Thermoplastic Coal-Tar Asphalt Seal			5.48	
32 12 36 00-0019	SY >500 To 1,000 SY, Type II Thermoplastic Coal-Tar Asphalt Seal.....			4.59	
32 12 36 00-0020	SY >1,000 To 5,000 SY, Type II Thermoplastic Coal-Tar Asphalt Seal.....			3.57	
32 12 36 00-0021	SY >5,000 To 20,000 SY, Type II Thermoplastic Coal-Tar Asphalt Seal.....			2.94	
32 12 36 00-0022	SY >20,000 SY, Type II Thermoplastic Coal-Tar Asphalt Seal.....			2.49	

32 12 36 00-0023 Water Based Emulsion Sealer (32 12 36)

Note: Includes sweeping and cleaning of area.

32 12 36 00-0024	SY Up To 500 SY Water Based Emulsion Sealer, For Asphalt, First Coat			3.54	
	For Additional Coats, Add			1.96	
32 12 36 00-0025	SY >500 To 1,000 SY Water Based Emulsion Sealer, For Asphalt, First Coat.....			2.84	
	For Additional Coats, Add			1.57	
32 12 36 00-0026	SY >1,000 SY Water Based Emulsion Sealer, For Asphalt, First Coat.....			2.15	
	For Additional Coats, Add			1.18	

32 12 36 00-0027 Sand Sealer (32 12 36)

Note: To be added to Slurry Seal.

32 12 36 00-0028	SY Up To 200 SY Sand Seal Spray Applied Asphalt Emulsion			2.36	
32 12 36 00-0029	SY >200 To 500 SY Sand Seal Spray Applied Asphalt Emulsion.....			1.80	
32 12 36 00-0030	SY >500 To 1,100 SY Sand Seal Spray Applied Asphalt Emulsion.....			1.61	
32 12 36 00-0031	SY >1,100 To 4,400 SY Sand Seal Spray Applied Asphalt Emulsion.....			1.25	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 12 36 00-0032 SY >4,400 To 7,800 SY Sand Seal Spray Applied Asphalt Emulsion	1.13	
32 12 36 00-0033 SY >7,800 To 16,700 SY Sand Seal Spray Applied Asphalt Emulsion	1.04	
32 12 36 00-0034 SY >16,700 SY Sand Seal Spray Applied Asphalt Emulsion.....	0.98	
32 12 36 00-0035 Fog Sealer <small>(32 12 36)</small>		
32 12 36 00-0036 SY Up To 200 SY Fog Seal, SS-1H	2.02	
32 12 36 00-0037 SY >200 To 500 SY Fog Seal, SS-1H.....	1.46	
32 12 36 00-0038 SY >500 To 1,100 SY Fog Seal, SS-1.....	1.27	
32 12 36 00-0039 SY >1,100 To 4,400 SY Fog Seal, SS-1H.....	0.91	
32 12 36 00-0040 SY >4,400 To 7,800 SY Fog Seal, SS-1H.....	0.80	
32 12 36 00-0041 SY >7,800 To 16,700 SY Fog Seal, SS-1H.....	0.72	
32 12 36 00-0042 SY >16,700 SY Fog Seal, SS-1H.....	0.63	
32 12 36 00-0043 Asphalt Emulsion Sealers (Chip Seal) <small>(32 12 36)</small>		
32 12 36 00-0044 Fine Screenings Seal Coat <small>(32 12 36 00-0043)</small>		
Note: 12 to 20 # Per SY of 1/4" No. 10 with 0.15 to 0.30 gallons asphalt emulsion per SY.		
32 12 36 00-0045 SY Up To 200 SY Fine Screenings Asphalt Emulsion Seal Coat Spray Applied.....	3.06	
32 12 36 00-0046 SY >200 To 500 SY Fine Screenings Asphalt Emulsion Seal Coat Spray Applied	2.43	
32 12 36 00-0047 SY >500 To 1,100 SY Fine Screenings Asphalt Emulsion Seal Coat Spray Applied	2.22	
32 12 36 00-0048 SY >1,100 To 4,400 SY Fine Screenings Asphalt Emulsion Seal Coat Spray Applied	1.84	
32 12 36 00-0049 SY >4,400 To 7,800 SY Fine Screenings Asphalt Emulsion Seal Coat Spray Applied	1.71	
32 12 36 00-0050 SY >7,800 To 16,700 SY Fine Screenings Asphalt Emulsion Seal Coat Spray Applied	1.61	
32 12 36 00-0051 SY >16,700 SY Fine Screenings Asphalt Emulsion Seal Coat Spray Applied.....	1.54	
32 12 36 00-0052 Medium Fine Screenings Seal Coat <small>(32 12 36 00-0043)</small>		
Note: 16 to 25 # Per SY of 5/16" No. 8 with 0.25 to 0.35 gallons asphalt emulsion per SY.		
32 12 36 00-0053 SY Up To 200 SY Medium Fine Screenings Asphalt Emulsion Seal Coat Spray Applied	3.44	
32 12 36 00-0054 SY >200 To 500 SY Medium Fine Screenings Asphalt Emulsion Seal Coat Spray Applied.....	2.77	
32 12 36 00-0055 SY >500 To 1,100 SY Medium Fine Screenings Asphalt Emulsion Seal Coat Spray Applied.....	2.55	
32 12 36 00-0056 SY >1,100 To 4,400 SY Medium Fine Screenings Asphalt Emulsion Seal Coat Spray Applied.....	2.16	
32 12 36 00-0057 SY >4,400 To 7,800 SY Medium Fine Screenings Asphalt Emulsion Seal Coat Spray Applied.....	2.02	
32 12 36 00-0058 SY >7,800 To 16,700 SY Medium Fine Screenings Asphalt Emulsion Seal Coat Spray Applied.....	1.91	
32 12 36 00-0059 SY >16,700 SY Medium Fine Screenings Asphalt Emulsion Seal Coat Spray Applied.....	1.83	
32 12 36 00-0060 Medium Screenings Seal Coat <small>(32 12 36 00-0043)</small>		
Note: 20 to 30 # Per SY of 3/8" No. 6 with 0.25 to 0.40 gallons asphalt emulsion per SY.		
32 12 36 00-0061 SY Up To 200 SY Medium Screenings Asphalt Emulsion Seal Coat Spray Applied	3.56	
32 12 36 00-0062 SY >200 To 500 SY Medium Screenings Asphalt Emulsion Seal Coat Spray Applied.....	2.88	
32 12 36 00-0063 SY >500 To 1,100 SY Medium Screenings Asphalt Emulsion Seal Coat Spray Applied.....	2.65	
32 12 36 00-0064 SY >1,100 To 4,400 SY Medium Screenings Asphalt Emulsion Seal Coat Spray Applied.....	2.26	
32 12 36 00-0065 SY >4,400 To 7,800 SY Medium Screenings Asphalt Emulsion Seal Coat Spray Applied.....	2.12	
32 12 36 00-0066 SY >7,800 To 16,700 SY Medium Screenings Asphalt Emulsion Seal Coat Spray Applied.....	2.01	
32 12 36 00-0067 SY >16,700 SY Medium Screenings Asphalt Emulsion Seal Coat Spray Applied.....	1.92	
32 12 36 00-0068 Course Screenings Seal Coat <small>(32 12 36 00-0043)</small>		
Note: 23 to 30 # Per SY of 1/2" No. 4 with 0.30 to 0.40 gallons asphalt emulsion per SY.		
32 12 36 00-0069 SY Up To 200 SY Coarse Screenings Asphalt Emulsion Seal Coat Spray Applied	3.62	
32 12 36 00-0070 SY >200 To 500 SY Coarse Screenings Asphalt Emulsion Seal Coat Spray Applied.....	2.93	
32 12 36 00-0071 SY >500 To 1,100 SY Coarse Screenings Asphalt Emulsion Seal Coat Spray Applied.....	2.69	
32 12 36 00-0072 SY >1,100 To 4,400 SY Coarse Screenings Asphalt Emulsion Seal Coat Spray Applied.....	2.30	
32 12 36 00-0073 SY >4,400 To 7,800 SY Coarse Screenings Asphalt Emulsion Seal Coat Spray Applied.....	2.15	
32 12 36 00-0074 SY >7,800 To 16,700 SY Coarse Screenings Asphalt Emulsion Seal Coat Spray Applied.....	2.04	
32 12 36 00-0075 SY >16,700 SY Coarse Screenings Asphalt Emulsion Seal Coat Spray Applied.....	1.95	
32 12 36 00-0076 Double Screenings Seal Coat <small>(32 12 36 00-0043)</small>		
Note: First coat 23 to 30 # Per SY of 1/2" No. 4 with 0.20 to 0.35 gallons asphalt emulsion per SY, Second coat 12 to 20 # Per SY of 1/4" No. 10 with 0.20 to 0.30 gallons asphalt emulsion per SY.		
32 12 36 00-0077 SY Up To 200 SY Double Screenings Asphalt Emulsion Seal Coat Spray Applied.....	5.67	
32 12 36 00-0078 SY >200 To 500 SY Double Screenings Asphalt Emulsion Seal Coat Spray Applied.....	4.63	
32 12 36 00-0079 SY >500 To 1,100 SY Double Screenings Asphalt Emulsion Seal Coat Spray Applied.....	4.27	
32 12 36 00-0080 SY >1,100 To 4,400 SY Double Screenings Asphalt Emulsion Seal Coat Spray Applied	3.67	
32 12 36 00-0081 SY >4,400 To 7,800 SY Double Screenings Asphalt Emulsion Seal Coat Spray Applied	3.46	
32 12 36 00-0082 SY >7,800 To 16,700 SY Double Screenings Asphalt Emulsion Seal Coat Spray Applied	3.31	
32 12 36 00-0083 SY >16,700 SY Double Screenings Asphalt Emulsion Seal Coat Spray Applied	3.15	
32 12 36 00-0084 Seal Coat With Sand And Latex <small>(32 12 36)</small>		
32 12 36 00-0085 SY Up To 250 SY Seal Coat With Sand And Latex Added (One Coat).....	4.37	
32 12 36 00-0086 SY >250 To 500 SY Seal Coat With Sand And Latex Added (One Coat).....	3.61	
32 12 36 00-0087 SY >500 To 1,000 SY Seal Coat With Sand And Latex Added (One Coat).....	2.86	
32 12 36 00-0088 SY >1,000 To 2,500 SY Seal Coat With Sand And Latex Added (One Coat).....	2.11	
32 12 36 00-0089 SY >2,500 To 5,000 SY Seal Coat With Sand And Latex Added (One Coat).....	1.66	
32 12 36 00-0090 SY >5,000 To 10,000 SY Seal Coat With Sand And Latex Added (One Coat).....	1.51	
32 12 36 00-0091 SY >10,000 To 20,000 SY Seal Coat With Sand And Latex Added (One Coat).....	1.35	

32	Exterior Improvements
32 10	Bases, Ballasts, And Paving
32 12	Flexible Paving



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 12 36 00-0092 SY >20,000 To 40,000 SY Seal Coat With Sand And Latex Added (One Coat).....	1.20	
32 12 36 00-0093 SY >40,000 SY Seal Coat With Sand And Latex Added (One Coat).....	1.05	
32 12 36 00-0094 Asphalt Rubber Aggregate Membrane <small>(32 12 36)</small> Note: Includes cleaning and preparing existing surface, spreading asphalt rubber and cover aggregate, rolling and sweeping.		
32 12 36 00-0095 SY Up To 200 SY 3/8" Asphalt Rubber Aggregate Membrane.....	6.17	
32 12 36 00-0096 SY >200 To 500 SY 3/8" Asphalt Rubber Aggregate Membrane	5.07	
32 12 36 00-0097 SY >500 To 1,100 SY 3/8" Asphalt Rubber Aggregate Membrane	4.68	
32 12 36 00-0098 SY >1,100 To 4,400 SY 3/8" Asphalt Rubber Aggregate Membrane	4.07	
32 12 36 00-0099 SY >4,400 To 7,800 SY 3/8" Asphalt Rubber Aggregate Membrane	3.84	
32 12 36 00-0100 SY >7,800 To 16,700 SY 3/8" Asphalt Rubber Aggregate Membrane.....	3.68	
32 12 36 00-0101 SY >16,700 SY 3/8" Asphalt Rubber Aggregate Membrane.....	3.51	
32 12 43 Porous Flexible Paving <small>(32 12)</small>		
32 12 43 00-0001 Flexible Recycled Plastic Porous Grid <small>(32 12 43)</small> Note: Includes sand fill in rings. Excludes base, earth work and grass or sod.		
32 12 43 00-0002 SY 1" Thick, Recycled Plastic Flexible Pavement With Sand Fill	23.18	
Note: Includes sand fill in rings. Excludes base, earth work and grass or sod. Invisible Structures, Inc.; Grasspave2.		
For Up To 100, Add	8.34	
For >100 To 500, Add	2.18	
For >1,000 To 5,000, Deduct	-1.02	
For >5,000, Deduct	-1.92	
32 12 73 Asphalt Paving Joint Sealants <small>(32 12)</small>		
32 12 73 00-0001 Expansion Joint In Sidewalk <small>(32 12 73)</small>		
32 12 73 00-0002 LF For Hot Asphalt Poured Over Expansion Joint In Sidewalk.....	3.26	
32 13 Rigid Paving <small>(32 10)</small>		
32 13 13 Concrete Paving <small>(32 13)</small> Note: The following section includes spreading and placing delivered Portland cement concrete mix.		
32 13 13 33 Plain Concrete Paving <small>(32 13 13)</small>		
32 13 13 33-0001 Concrete Paving Assemblies <small>(32 13 13 33)</small> Note: Includes forms, wire mesh (where necessary), two mat layers #3-#6 reinforcing rods at 12" on center with chairs (where necessary), vapor barrier, concrete, curing, latex or hot asphalt expansion joints, control joints, screed, float and finish. Excludes excavation, base and earthwork. Includes concrete paving machine. To be used for roadways, driveways, parking areas, or other areas of vehicular traffic. See CSI section 03 05 00 00-0001 for color additive.		
32 13 13 33-0002 4,500 PSI Concrete Paving Assembly <small>(32 13 13 33-0001)</small>		
32 13 13 33-0003 SY 4" 4,500 PSI Concrete Paving Assembly.....	45.67	
For 2,500 PSI Concrete, Deduct	-2.65	
For 3,000 PSI Concrete, Deduct	-1.73	
For 3,500 PSI Concrete, Deduct	-1.38	
For 4,000 PSI Concrete, Deduct	-0.60	
For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	3.00	
For <10' Wide Pass, Add	7.96	
For >24' Wide Pass, Deduct	-9.13	
For Air Entrainment, Add	1.15	
For Slipforming, Deduct	-4.57	
For Up To 100, Add	18.19	
For >100 To 250, Add	10.25	
For >250 To 500, Add	5.12	
For >1,000 To 2,000, Deduct	-1.15	
For >2,000 To 5,000, Deduct	-2.29	
For >5,000 To 10,000, Deduct	-3.44	
For >10,000 To 20,000, Deduct	-4.58	
For >20,000, Deduct	-5.72	
32 13 13 33-0004 SY 5" 4,500 PSI Concrete Paving Assembly.....	54.07	
For 2,500 PSI Concrete, Deduct	-3.33	
For 3,000 PSI Concrete, Deduct	-2.17	
For 3,500 PSI Concrete, Deduct	-1.74	
For 4,000 PSI Concrete, Deduct	-0.75	
For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	3.76	
For <10' Wide Pass, Add	9.18	
For >24' Wide Pass, Deduct	-10.81	
For Air Entrainment, Add	1.45	
For Slipforming, Deduct	-5.41	
For Up To 100, Add	20.87	
For >100 To 250, Add	11.88	
For >250 To 500, Add	5.94	
For >1,000 To 2,000, Deduct	-1.45	
For >2,000 To 5,000, Deduct	-2.80	
For >5,000 To 10,000, Deduct	-4.15	
For >10,000 To 20,000, Deduct	-5.50	
For >20,000, Deduct	-6.85	



		Exterior Improvements	32
		Bases, Ballasts, And Paving	32 10
		Rigid Paving	32 13

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 13 13 33-0005 SY 6" 4,500 PSI Concrete Paving Assembly.....	57.75	
For 2,500 PSI Concrete, Deduct	-3.51	
For 3,000 PSI Concrete, Deduct	-2.29	
For 3,500 PSI Concrete, Deduct	-1.83	
For 4,000 PSI Concrete, Deduct	-0.79	
For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	3.97	
For <10' Wide Pass, Add	9.86	
For >24' Wide Pass, Deduct	-11.55	
For Air Entrainment, Add	1.53	
For Slipforming, Deduct	-5.78	
For Up To 100, Add	22.45	
For >100 To 250, Add	12.75	
For >250 To 500, Add	6.37	
For >1,000 To 2,000, Deduct	-1.53	
For >2,000 To 5,000, Deduct	-2.97	
For >5,000 To 10,000, Deduct	-4.41	
For >10,000 To 20,000, Deduct	-5.86	
For >20,000, Deduct	-7.30	
32 13 13 33-0006 SY 7" 4,500 PSI Concrete Paving Assembly.....	68.66	
For 2,500 PSI Concrete, Deduct	-4.43	
For 3,000 PSI Concrete, Deduct	-2.89	
For 3,500 PSI Concrete, Deduct	-2.31	
For 4,000 PSI Concrete, Deduct	-1.00	
For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	5.00	
For <10' Wide Pass, Add	11.39	
For >24' Wide Pass, Deduct	-13.73	
For Air Entrainment, Add	1.92	
For Slipforming, Deduct	-6.87	
For Up To 100, Add	25.80	
For >100 To 250, Add	14.83	
For >250 To 500, Add	7.41	
For >1,000 To 2,000, Deduct	-1.92	
For >2,000 To 5,000, Deduct	-3.64	
For >5,000 To 10,000, Deduct	-5.36	
For >10,000 To 20,000, Deduct	-7.07	
For >20,000, Deduct	-8.79	
32 13 13 33-0007 SY 8" 4,500 PSI Concrete Paving Assembly.....	78.43	
For 2,500 PSI Concrete, Deduct	-4.86	
For 3,000 PSI Concrete, Deduct	-3.17	
For 3,500 PSI Concrete, Deduct	-2.53	
For 4,000 PSI Concrete, Deduct	-1.10	
For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	5.49	
For <10' Wide Pass, Add	13.27	
For >24' Wide Pass, Deduct	-15.69	
For Air Entrainment, Add	2.11	
For Slipforming, Deduct	-7.84	
For Up To 100, Add	30.17	
For >100 To 250, Add	17.19	
For >250 To 500, Add	8.60	
For >1,000 To 2,000, Deduct	-2.11	
For >2,000 To 5,000, Deduct	-4.07	
For >5,000 To 10,000, Deduct	-6.03	
For >10,000 To 20,000, Deduct	-7.99	
For >20,000, Deduct	-9.95	
32 13 13 33-0008 SY 9" 4,500 PSI Concrete Paving Assembly.....	88.78	
For 2,500 PSI Concrete, Deduct	-5.61	
For 3,000 PSI Concrete, Deduct	-3.66	
For 3,500 PSI Concrete, Deduct	-2.93	
For 4,000 PSI Concrete, Deduct	-1.27	
For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	6.34	
For <10' Wide Pass, Add	14.88	
For >24' Wide Pass, Deduct	-17.76	
For Air Entrainment, Add	2.44	
For Slipforming, Deduct	-8.88	
For Up To 100, Add	33.75	
For >100 To 250, Add	19.31	
For >250 To 500, Add	9.66	
For >1,000 To 2,000, Deduct	-2.44	
For >2,000 To 5,000, Deduct	-4.66	
For >5,000 To 10,000, Deduct	-6.88	
For >10,000 To 20,000, Deduct	-9.10	
For >20,000, Deduct	-11.32	

32	Exterior Improvements
32 10	Bases, Ballasts, And Paving
32 13	Rigid Paving



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

32 13 13 33-0009	SY 10" 4,500 PSI Concrete Paving Assembly	98.94
	For 2,500 PSI Concrete, Deduct	-6.17
	For 3,000 PSI Concrete, Deduct	-4.03
	For 3,500 PSI Concrete, Deduct	-3.22
	For 4,000 PSI Concrete, Deduct	-1.40
	For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	6.98
	For <10' Wide Pass, Add	16.68
	For >24' Wide Pass, Deduct	-19.79
	For Air Entrainment, Add	2.68
	For Slipforming, Deduct	-9.89
	For Up To 100, Add	37.89
	For >100 To 250, Add	21.63
	For >250 To 500, Add	10.82
	For >1,000 To 2,000, Deduct	-2.68
	For >2,000 To 5,000, Deduct	-5.16
	For >5,000 To 10,000, Deduct	-7.63
	For >10,000 To 20,000, Deduct	-10.10
	For >20,000, Deduct	-12.58
32 13 13 33-0010	SY 12" 4,500 PSI Concrete Paving Assembly	117.87
	For 2,500 PSI Concrete, Deduct	-7.31
	For 3,000 PSI Concrete, Deduct	-4.77
	For 3,500 PSI Concrete, Deduct	-3.81
	For 4,000 PSI Concrete, Deduct	-1.65
	For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	8.26
	For <10' Wide Pass, Add	19.93
	For >24' Wide Pass, Deduct	-23.57
	For Air Entrainment, Add	3.18
	For Slipforming, Deduct	-11.79
	For Up To 100, Add	45.30
	For >100 To 250, Add	25.83
	For >250 To 500, Add	12.91
	For >1,000 To 2,000, Deduct	-3.18
	For >2,000 To 5,000, Deduct	-6.12
	For >5,000 To 10,000, Deduct	-9.07
	For >10,000 To 20,000, Deduct	-12.02
	For >20,000, Deduct	-14.97
32 13 13 33-0011	SY 15" 4,500 PSI Concrete Paving Assembly	150.14
	For 2,500 PSI Concrete, Deduct	-8.98
	For 3,000 PSI Concrete, Deduct	-5.85
	For 3,500 PSI Concrete, Deduct	-4.68
	For 4,000 PSI Concrete, Deduct	-2.03
	For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	10.15
	For <10' Wide Pass, Add	25.83
	For >24' Wide Pass, Deduct	-30.03
	For Air Entrainment, Add	3.90
	For Slipforming, Deduct	-15.01
	For Up To 100, Add	58.86
	For >100 To 250, Add	33.33
	For >250 To 500, Add	16.67
	For >1,000 To 2,000, Deduct	-3.90
	For >2,000 To 5,000, Deduct	-7.66
	For >5,000 To 10,000, Deduct	-11.41
	For >10,000 To 20,000, Deduct	-15.16
	For >20,000, Deduct	-18.92

32 13 16 Decorative Concrete Paving (32 13)**32 13 16 13 Patterned Concrete Paving (32 13 16)**

32 13 16 13-0001	SF For Patterned (Tactile) Finish In Concrete Sidewalk.....	3.86
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32 13 43 Pervious Concrete Paving (32 13)**32 13 43 00-0001 Pervious Concrete Assembly (32 13 43)**

Note: Pervious concrete is a special concrete mix with high porosity that allows water to pass through it. For paving and sidewalks.

32 13 43 00-0002	SF 6" Thick Pervious Concrete Paving.....	12.00
	Note: Includes filter fabric, concrete, curing, finish, and control joints. Excludes excavation, base, forms and expansion joints along existing.	
	For >5,000 To 30,000, Deduct	-1.33
	For >30,000 To 100,000, Deduct	-2.48
	For >100,000, Deduct	-3.07
32 13 43 00-0003	SF 9" Thick Pervious Concrete Paving.....	14.97
	Note: Includes filter fabric, concrete, curing, finish, and control joints. Excludes excavation, base, forms and expansion joints along existing.	
	For >5,000 To 30,000, Deduct	-1.61
	For >30,000 To 100,000, Deduct	-2.97
	For >100,000, Deduct	-3.68

32 13 73 Concrete Paving Joint Sealants (32 13)**32 13 73 13 Fuel-Resistant Concrete Paving Joint Sealants (32 13 73)****32 13 73 13-0001 Concrete Pavement Joint And Crack Repair (32 13 73 13)**

Note: Includes cutting joint, removal of existing material, sweeping and cleaning area.



Exterior Improvements		32
Bases, Ballasts, And Paving		32 10
Rigid Paving		32 13

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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32 13 73 13-0002 LF Pavement Sealing, Roads Resealing Joints In Concrete Pavements For Roads 7.21

32 13 73 16 Field-Molded Concrete Paving Joint Sealants (32 13 73)

32 13 73 16-0001 Preformed Elastomeric Concrete Pavement Joint And Crack Repair (32 13 73 16)
 Note: Includes cutting joint, removal of existing material, sweeping and cleaning area.

32 13 73 16-0002 LF Joint Sealing, Concrete Pavement Preformed Elastomeric 10.85

32 13 73 19 Compression Concrete Paving Joint Sealants (32 13 73)

32 13 73 19-0001 Silicone Joint Sealant For Concrete Pavement (32 13 73 19)
 Note: Installation includes high pressure water wash, sand blast, sweeping, cleaning area, backer rod and Dow Corning 888 silicone sealant. Demolition includes removal of existing material where sawcutting is not required. Excludes saw cutting.

32 13 73 19-0002	LF	1/4" x 1/4" Expansion And Contraction Silicone Joint Sealant For Concrete Pavement	8.22	1.98
32 13 73 19-0003	LF	3/8" x 1/4" Expansion And Contraction Silicone Joint Sealant For Concrete Pavement	8.52	2.02
32 13 73 19-0004	LF	1/2" x 1/4" Expansion And Contraction Silicone Joint Sealant For Concrete Pavement	8.85	2.06
32 13 73 19-0005	LF	3/4" x 3/8" Expansion And Contraction Silicone Joint Sealant For Concrete Pavement	9.83	2.09
32 13 73 19-0006	LF	1" x 1/2" Expansion And Contraction Silicone Joint Sealant For Concrete Pavement	11.01	2.15
32 13 73 19-0007	LF	1-1/2" x 1/2" Expansion And Contraction Silicone Joint Sealant For Concrete Pavement	12.57	2.18
32 13 73 19-0008	LF	2" x 1/2" Expansion And Contraction Silicone Joint Sealant For Concrete Pavement	14.87	2.23

32 14 Unit Paving (32 10)

32 14 09 Paver Restraints (32 14)

32 14 09 00-0001 Paver Restraints (32 14 09)
 Note: Paver restraints are used along the edge of a group of pavers as a locking border. Flexible or rigid sections. Includes stakes and connecting devices. Excludes pavers, bedding, excavation, base course and compaction.

32 14 09 00-0002	LF	Up To 2" Height, Vinyl Paver Restraint.....	3.11	0.91
		For >1,000 To 2,000, Deduct	-0.36	
		For >2,000 To 4,000, Deduct	-0.53	
		For >4,000, Deduct	-0.68	
32 14 09 00-0003	LF	Up To 2" Height, Galvanized Steel Paver Restraint.....	3.33	0.91
		For >500 To 1,000, Deduct	-0.09	
		For >1,000 To 2,000, Deduct	-0.19	
		For >2,000, Deduct	-0.28	
32 14 09 00-0004	LF	Up To 1" Height, Aluminum Paver Restraint.....	3.22	0.91
		For >250 To 500, Deduct	-0.18	
		For >500 To 1,000, Deduct	-0.26	
		For >1,000 To 1,500, Deduct	-0.44	
32 14 09 00-0005	LF	>1" To 2" Height, Aluminum Paver Restraint.....	3.71	0.91
		For >250 To 500, Deduct	-0.23	
		For >500 To 1,000, Deduct	-0.34	
		For >1,000 To 1,500, Deduct	-0.56	
32 14 09 00-0006	LF	>2" To 3" Height, Aluminum Paver Restraint	4.66	0.91
		For >250 To 500, Deduct	-0.32	
		For >500 To 1,000, Deduct	-0.48	
		For >1,000 To 1,500, Deduct	-0.80	
32 14 09 00-0007	LF	>3" To 4" Height, Aluminum Paver Restraint.....	5.39	0.91
		For >250 To 500, Deduct	-0.39	
		For >500 To 1,000, Deduct	-0.59	
		For >1,000 To 1,500, Deduct	-0.98	

32 14 11 Bedding For Unit Paving (32 14)

32 14 11 00-0001 Bedding For Brick, Precast Concrete Paver And Stone Sidewalk (32 14 11)
 Note: Includes delivery up to 15 miles from the closest approved source, the cost for loading, and dumping. See CSI section 01 74 19 00-0038 for hauling greater than 15 miles.

32 14 11 00-0002	SF	1" To 2" Sand Bedding, Screeded	0.95	
		For Up To 100, Add	0.40	
		For >100 To 500, Add	0.11	
		For >1,000 To 5,000, Deduct	-0.07	
		For >5,000, Deduct	-0.11	
32 14 11 00-0003	SF	1" To 2" Stone Dust Bedding, Screeded.....	1.20	
		For Up To 100, Add	0.46	
		For >100 To 500, Add	0.13	
		For >1,000 To 5,000, Deduct	-0.07	
		For >5,000, Deduct	-0.11	
32 14 11 00-0004	SF	3" Stone Dust Bedding, Screeded	1.60	
		For Up To 100, Add	0.59	
		For >100 To 500, Add	0.16	
		For >1,000 To 5,000, Deduct	-0.08	
		For >5,000, Deduct	-0.14	
32 14 11 00-0005	SF	4" Stone Dust Bedding, Screeded	2.03	
		For Up To 100, Add	0.74	
		For >100 To 500, Add	0.19	
		For >1,000 To 5,000, Deduct	-0.09	
		For >5,000, Deduct	-0.17	

32	Exterior Improvements
32 10	Bases, Ballasts, And Paving
32 14	Unit Paving



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 14 11 00-0006	SF		1" Mortar Bedding.....	2.70	
			For Up To 100, Add	1.21	
			For >100 To 500, Add	0.35	
			For >1,000 To 5,000, Deduct	-0.21	
			For >5,000, Deduct	-0.34	
32 14 11 00-0007	SF		2" Mortar Bedding.....	3.99	
			For Up To 100, Add	1.71	
			For >100 To 500, Add	0.48	
			For >1,000 To 5,000, Deduct	-0.28	
			For >5,000, Deduct	-0.46	
32 14 11 00-0008	SF		Thin-Set Latex Portland Cement Mortar	1.31	
			For Up To 100, Add	0.61	
			For >100 To 500, Add	0.18	
			For >1,000 To 5,000, Deduct	-0.11	
			For >5,000, Deduct	-0.17	
32 14 13			Precast Concrete Unit Paving (32 14)		
32 14 13 16			Pressed Precast Concrete Unit Paving (32 14 13)		
32 14 13 16-0001			Precast Concrete Paver Sidewalk (32 14 13 16)		
			Note: Square, rectangular, or interlocking pavers. Includes sand joints and all finishes. Excludes bedding, excavation, base course and compaction. See CSI section 31 23 16 00-0000 for excavation, 32 11 23 16-0001 for base course.		
32 14 13 16-0002	SF		2-3/8" Thick, Up To 32 SI Precast Concrete Paver.....	10.00	2.64
			Note: Includes 2-1/2" x 5", 4" x 4", 4" x 6", 5" x 5", 4" x 8" and other similar size pavers.		
			For 2-3/4" Concrete Paver, Add	0.97	
			For 3-1/8" Concrete Paver, Add	1.57	
			For Cement/Sand Mix Or Polymeric Sand Joints, Add	0.77	
			For Up To 100, Add	3.83	
			For >100 To 500, Add	1.03	
			For >1,000 To 5,000, Deduct	-0.53	
			For >5,000, Deduct	-0.94	
32 14 13 16-0003	SF		2-3/8" Thick, >32 to 64 SI Precast Concrete Paver.....	9.51	2.42
			Note: Includes 5" x 7", 6" x 6", 8" x 8" and other similar size pavers.		
			For 2-3/4" Concrete Paver, Add	0.94	
			For 3-1/8" Concrete Paver, Add	1.53	
			For Cement/Sand Mix Or Polymeric Sand Joints, Add	0.72	
			For Up To 100, Add	3.58	
			For >100 To 500, Add	0.96	
			For >1,000 To 5,000, Deduct	-0.48	
			For >5,000, Deduct	-0.86	
32 14 13 16-0004	SF		2-3/8" Thick, >64 to 144 SI Precast Concrete Paver.....	9.08	1.92
			Note: Includes 6" x 12", 12" x 12" and other similar size pavers.		
			For 2-3/4" Concrete Paver, Add	0.92	
			For 3-1/8" Concrete Paver, Add	1.50	
			For Cement/Sand Mix Or Polymeric Sand Joints, Add	0.67	
			For Up To 100, Add	3.37	
			For >100 To 500, Add	0.89	
			For >1,000 To 5,000, Deduct	-0.44	
			For >5,000, Deduct	-0.80	
32 14 13 16-0005	SF		2-3/8" Thick, >144 SI Precast Concrete Paver.....	8.68	1.99
			Note: Includes 16" x 16", 12" x 24", 18" x 18", 24" x 24", 24" x 36", 36" x 36" and other similar size pavers.		
			For 2-3/4" Concrete Paver, Add	0.90	
			For 3-1/8" Concrete Paver, Add	1.47	
			For Cement/Sand Mix Or Polymeric Sand Joints, Add	0.63	
			For Up To 100, Add	3.17	
			For >100 To 500, Add	0.83	
			For >1,000 To 5,000, Deduct	-0.40	
			For >5,000, Deduct	-0.74	
32 14 13 16-0006	SF		2-3/8" Thick, Precast Concrete Paver, Combinations And Patterns	9.29	2.30
			Note: Patterns made by combining pavers from two or more size groups.		
			For 2-3/4" Concrete Paver, Add	0.93	
			For 3-1/8" Concrete Paver, Add	1.52	
			For Cement/Sand Mix Or Polymeric Sand Joints, Add	0.69	
			For Up To 100, Add	3.47	
			For >100 To 500, Add	0.92	
			For >1,000 To 5,000, Deduct	-0.46	
			For >5,000, Deduct	-0.83	
32 14 16			Brick Unit Paving (32 14)		
32 14 16 00-0001			Brick Paver Sidewalk (32 14 16)		
			Note: Includes sand joints. Excludes bedding, excavation, base course and compaction. See CSI section 31 23 16 00-0000 for excavation, 32 11 23 16-0001 for base course.		
32 14 16 00-0002	SF		4" x 8" x 2-1/4" Brick Paver, Laid Flat	9.69	2.64
			For 1-3/8" Thick Paver, Deduct	-1.80	
			For 2-3/4" Thick Paver (Vehicular), Add	4.00	
			For Cement/Sand Mix Or Polymeric Sand Joints, Add	0.75	
			For Up To 100, Add	3.75	
			For >100 To 500, Add	1.02	
			For >1,000 To 5,000, Deduct	-0.53	
			For >5,000, Deduct	-0.93	



		Exterior Improvements	32
		Bases, Ballasts, And Paving	32 10
		Unit Paving	32 14

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 14 16 00-0003 SF 4" x 8" x 2-1/4" Brick, Laid On Edge	13.82	3.02
For 1-3/8" Thick Paver, Deduct	-3.03	
For 2-3/4" Thick Paver (Vehicular), Add	6.95	
For Cement/Sand Mix Or Polymeric Sand Joints, Add	0.99	
For Up To 100, Add	4.96	
For >100 To 500, Add	1.29	
For >1,000 To 5,000, Deduct	-0.60	
For >5,000, Deduct	-1.14	
 32 14 40 Stone Paving (32 14)		
32 14 40 00-0001 Slate Paver Sidewalk (32 14 40)		
Note: Includes sand joints and all finishes. Excludes bedding, excavation, base course and compaction. See CSI section 31 23 16 00-0000 for excavation, 32 11 23 16-0001 for base course, 32 14 11 00-0001 for bedding.		
32 14 40 00-0002 SF 1" Thick, Up to 54 SI Slate Paver.....	15.37	2.20
Note: Includes 3" x 9", 6" x 6", 6" x 9" and other similar size pavers.		
For Cement/Sand Mix Or Polymeric Sand Joints, Add	0.99	
For 1/4" Thick Paver, Deduct	-8.12	
For 1/2" Thick Paver, Deduct	-5.71	
For Up To 100, Add	4.94	
For >100 To 500, Add	1.21	
For >1,000 To 5,000, Deduct	-0.44	
For >5,000, Deduct	-0.99	
32 14 40 00-0003 SF 1" Thick, >54 to 108 SI Slate Paver	14.97	1.99
Note: Includes 6" x 12", 9" x 9", 6" x 18", 9" x 12" and other similar size pavers.		
For Cement/Sand Mix Or Polymeric Sand Joints, Add	0.95	
For 1/4" Thick Paver, Deduct	-8.02	
For 1/2" Thick Paver, Deduct	-5.65	
For Up To 100, Add	4.74	
For >100 To 500, Add	1.15	
For >1,000 To 5,000, Deduct	-0.40	
For >5,000, Deduct	-0.93	
32 14 40 00-0004 SF 1" Thick, >108 to 216 SI Slate Paver.....	14.27	1.65
Note: Includes 12" x 12", 6" x 24", 9" x 18", 9" x 24", 12" x 18" and other similar size pavers.		
For Cement/Sand Mix Or Polymeric Sand Joints, Add	0.88	
For 1/4" Thick Paver, Deduct	-7.85	
For 1/2" Thick Paver, Deduct	-5.54	
For Up To 100, Add	4.39	
For >100 To 500, Add	1.04	
For >1,000 To 5,000, Deduct	-0.33	
For >5,000, Deduct	-0.82	
32 14 40 00-0005 SF 1" Thick, >216 SI Slate Paver.....	13.97	1.50
Note: Includes 16" x 16", 12" x 24", 18" x 18", 24" x 24", 24" x 36", 36" x 36" and other similar size pavers.		
For Cement/Sand Mix Or Polymeric Sand Joints, Add	0.85	
For 1/4" Thick Paver, Deduct	-7.77	
For 1/2" Thick Paver, Deduct	-5.50	
For Up To 100, Add	4.24	
For >100 To 500, Add	1.00	
For >1,000 To 5,000, Deduct	-0.30	
For >5,000, Deduct	-0.78	
32 14 40 00-0006 SF 1" Thick, Slate Paver, Combinations And Patterns.....	14.58	1.81
Note: Patterns made by combining pavers from two or more size groups.		
For Cement/Sand Mix Or Polymeric Sand Joints, Add	0.91	
For 1/4" Thick Paver, Deduct	-7.93	
For 1/2" Thick Paver, Deduct	-5.59	
For Up To 100, Add	4.55	
For >100 To 500, Add	1.09	
For >1,000 To 5,000, Deduct	-0.36	
For >5,000, Deduct	-0.87	
 32 14 40 00-0007 Granite Paver Sidewalk (32 14 40)		
Note: Includes sand joints and all finishes. Excludes bedding, excavation, base course and compaction. See CSI section 31 23 16 00-0000 for excavation, 32 11 23 16-0001 for base course, 32 14 11 00-0001 for bedding.		
32 14 40 00-0008 SF 1" Thick, Up to 54 SI Granite Paver.....	17.70	2.20
Note: Includes 3" x 9", 6" x 6", 6" x 9" and other similar size pavers.		
For Cement/Sand Mix Or Polymeric Sand Joints, Add	1.10	
For 2" Granite Paver, Add	0.89	
For 3" Granite Paver, Add	1.77	
For 4" Granite Paver, Add	1.99	
For Up To 100, Add	5.52	
For >100 To 500, Add	1.32	
For >1,000 To 5,000, Deduct	-0.44	
For >5,000, Deduct	-1.06	
32 14 40 00-0009 SF 1" Thick, >54 to 108 SI Granite Paver	17.30	1.99
Note: Includes 6" x 12", 9" x 9", 6" x 18", 9" x 12" and other similar size pavers.		
For Cement/Sand Mix Or Polymeric Sand Joints, Add	1.06	
For 2" Granite Paver, Add	0.87	
For 3" Granite Paver, Add	1.73	
For 4" Granite Paver, Add	1.93	
For Up To 100, Add	5.32	
For >100 To 500, Add	1.26	
For >1,000 To 5,000, Deduct	-0.40	
For >5,000, Deduct	-1.00	

32	Exterior Improvements
32 10	Bases, Ballasts, And Paving
32 14	Unit Paving



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 14 40 00-0010	SF		1" Thick, >108 to 216 SI Granite Paver..... Note: Includes 12" x 12", 6" x 24", 9" x 18", 9" x 24", 12" x 18" and other similar size pavers. For Cement/Sand Mix Or Polymeric Sand Joints, Add For 2" Granite Paver, Add For 3" Granite Paver, Add For 4" Granite Paver, Add For Up To 100, Add For >100 To 500, Add For >1,000 To 5,000, Deduct For >5,000, Deduct	16.60 0.99 0.83 1.66 1.82 4.97 1.16 -0.33 -0.89	1.65
32 14 40 00-0011	SF		1" Thick, >216 SI Granite Paver..... Note: Includes 16" x 16", 12" x 24", 18" x 18", 24" x 24" and other similar size pavers. For Cement/Sand Mix Or Polymeric Sand Joints, Add For 2" Granite Paver, Add For 3" Granite Paver, Add For 4" Granite Paver, Add For Up To 100, Add For >100 To 500, Add For >1,000 To 5,000, Deduct For >5,000, Deduct	16.30 0.96 0.82 1.63 1.78 4.82 1.11 -0.30 -0.85	1.50
32 14 40 00-0012	SF		1" Thick, Granite Paver, Combinations And Patterns Note: Patterns made by combining pavers from two or more size groups. For Cement/Sand Mix Or Polymeric Sand Joints, Add For 2" Granite Paver, Add For 3" Granite Paver, Add For 4" Granite Paver, Add For Up To 100, Add For >100 To 500, Add For >1,000 To 5,000, Deduct For >5,000, Deduct	16.91 1.03 0.85 1.69 1.87 5.13 1.21 -0.36 -0.94	1.81
32 14 43 Porous Unit Paving (32 14)					
32 14 43 00-0001			Turf Block (32 14 43) Note: Grass grid, open-cell unit paver, geoblock.		
32 14 43 00-0002	SF		3-1/8" Thick, Precast Concrete Turf Block For Up To 100, Add For >100 To 500, Add For >1,000 To 5,000, Deduct For >5,000, Deduct	7.93 3.13 0.86 -0.46 -0.79	2.30
32 14 43 00-0003	SF		4" Thick Recycled Polyvinyl Chloride (PVC) Plastic Turf Block..... For Up To 100, Add For >100 To 500, Add For >1,000 To 5,000, Deduct For >5,000, Deduct	11.21 3.95 1.02 -0.46 -0.89	2.30
32 15 Aggregate Surfacing (32 10)					
32 15 40			Crushed Stone Surfacing (32 15) Note: Includes delivery up to 15 miles from supplier, placement, rolling and compaction water. See CSI section 01 74 19 00-0038 for hauling greater than 15 miles.		
32 15 40 00-0001			Gravel Surfacing And Spreading (32 15 40) Note: Includes delivered material, placement, rolling and compaction water.		
32 15 40 00-0002	CY		Gravel Surfacing And Spreading.....	93.67	
32 15 40 00-0003			Limestone Screenings (32 15 40) Note: Includes delivered material, placement, rolling and compaction water. For trail maintenance.		
32 15 40 00-0004	CY		Limestone Screenings For Trail.....	60.56	
32 15 40 00-0005			Decomposed Granite (32 15 40) Note: Includes delivered material, placement, rolling and compaction water.		
32 15 40 00-0006	SY		3" To 4" Thick Decomposed Granite Screenings With Stabilizer Pathway Note: Placed in 2 lifts. For Additional 2" Lift For >45 To 180, Deduct For >180 To 450, Deduct For >450, Deduct	10.94 5.47 -0.77 -0.99 -1.21	
32 16 Curbs, Gutters, Sidewalks, And Driveways (32 10)					
32 16 13			Curbs And Gutters (32 16) Note: Includes transitions. Demolition Includes two saw cuts (each end) of curbs and gutters for lengths up to 100'. See CSI section 02 41 19 13-0001 for additional saw cuts within the 100'.		
32 16 13 13			Cast-In-Place Concrete Curbs And Gutters (32 16 13) Note: Includes concrete, forms, rebar, chairs (where necessary), expansion joints, finish and curing.		
32 16 13 13-0001			Cast In Place Concrete Curb And Gutter (32 16 13 13) Note: Includes concrete, forms, rebar, chairs (where necessary), transitions, expansion joints, finish and curing.		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 16 13 13-0002 LF 6" x 12" Concrete Gutter With 6" Curb And Face - Straight	22.27	9.98
For Up To 20, Add	15.11	
For >20 To 50, Add	8.43	
For >50 To 100, Add	3.34	
For >500 To 1,000, Deduct	-2.86	
For >1,000, Deduct	-4.85	
For Rolled Curb And Gutter	1.48	
32 16 13 13-0003 LF 6" x 12" Concrete Gutter With 6" Curb And Face - Radius	24.29	13.31
For Up To 20, Add	16.49	
For >20 To 50, Add	9.20	
For >50 To 100, Add	3.64	
For >500 To 1,000, Deduct	-3.13	
For >1,000, Deduct	-5.30	
For Rolled Curb And Gutter	1.63	
32 16 13 13-0004 LF 6" x 18" Concrete Gutter With 6" Curb And Face - Straight	28.36	11.06
For Up To 20, Add	19.22	
For >20 To 50, Add	10.71	
For >50 To 100, Add	4.25	
For >500 To 1,000, Deduct	-3.62	
For >1,000, Deduct	-6.14	
For Rolled Curb And Gutter	1.86	
32 16 13 13-0005 LF 6" x 18" Concrete Gutter With 6" Curb And Face - Radius	31.35	12.31
For Up To 20, Add	21.26	
For >20 To 50, Add	11.86	
For >50 To 100, Add	4.70	
For >500 To 1,000, Deduct	-4.02	
For >1,000, Deduct	-6.82	
For Rolled Curb And Gutter	2.08	
32 16 13 13-0006 LF 6" x 24" Concrete Gutter With 6" Curb And Face - Straight (Type A3-6)	34.47	13.31
For Up To 20, Add	23.34	
For >20 To 50, Add	13.00	
For >50 To 100, Add	5.17	
For >500 To 1,000, Deduct	-4.39	
For >1,000, Deduct	-7.44	
For Rolled Curb And Gutter	2.23	
32 16 13 13-0007 LF 6" x 24" Concrete Gutter With 6" Curb And Face - Radius (Type A3-6)	38.40	14.97
For Up To 20, Add	26.03	
For >20 To 50, Add	14.51	
For >50 To 100, Add	5.76	
For >500 To 1,000, Deduct	-4.91	
For >1,000, Deduct	-8.33	
For Rolled Curb And Gutter	2.53	
32 16 13 13-0008 LF 6" x 30" Concrete Gutter With 6" Curb And Face - Straight	40.98	15.80
For Up To 20, Add	27.75	
For >20 To 50, Add	15.46	
For >50 To 100, Add	6.15	
For >500 To 1,000, Deduct	-5.21	
For >1,000, Deduct	-8.84	
For Rolled Curb And Gutter	2.65	
32 16 13 13-0009 LF 6" x 30" Concrete Gutter With 6" Curb And Face - Radius	45.05	17.47
For Up To 20, Add	30.52	
For >20 To 50, Add	17.01	
For >50 To 100, Add	6.76	
For >500 To 1,000, Deduct	-5.75	
For >1,000, Deduct	-9.75	
For Rolled Curb And Gutter	2.94	
32 16 13 13-0010 LF 6" x 36" Concrete Gutter With 6" Curb And Face - Straight	47.50	18.31
For Up To 20, Add	32.16	
For >20 To 50, Add	17.91	
For >50 To 100, Add	7.13	
For >500 To 1,000, Deduct	-6.04	
For >1,000, Deduct	-10.24	
For Rolled Curb And Gutter	3.06	
32 16 13 13-0011 LF 6" x 36" Concrete Gutter With 6" Curb And Face - Radius	51.69	19.97
For Up To 20, Add	35.01	
For >20 To 50, Add	19.50	
For >50 To 100, Add	7.75	
For >500 To 1,000, Deduct	-6.58	
For >1,000, Deduct	-11.16	
For Rolled Curb And Gutter	3.35	
32 16 13 13-0012 LF 6" x 42" Concrete Gutter With 6" Curb And Face - Straight	54.02	20.80
For Up To 20, Add	36.57	
For >20 To 50, Add	20.37	
For >50 To 100, Add	8.10	
For >500 To 1,000, Deduct	-6.86	
For >1,000, Deduct	-11.64	
For Rolled Curb And Gutter	3.48	
32 16 13 13-0013 LF 6" x 42" Concrete Gutter With 6" Curb And Face - Radius	59.99	23.30
For Up To 20, Add	40.65	
For >20 To 50, Add	22.66	
For >50 To 100, Add	9.00	
For >500 To 1,000, Deduct	-7.66	
For >1,000, Deduct	-12.99	
For Rolled Curb And Gutter	3.92	

32 Exterior Improvements**32 10 Bases, Ballasts, And Paving****32 16 Curbs, Gutters, Sidewalks, And Driveways**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 16 13 13-0014			Cast In Place Concrete Curbs <small>(32 16 13 13)</small> Note: Includes delivered concrete, forms, rebar, chairs (where necessary), expansion joints, finish and curing.		
32 16 13 13-0015	LF		6" x 12" Cast In Place Concrete Curb (Type A1-6).....	16.46	8.44
			For Up To 20, Add	10.05	
			For >20 To 50, Add	5.70	
			For >50 To 100, Add	2.17	
			For >500 To 1,000, Deduct	-2.17	
			For >1,000, Deduct	-3.67	
32 16 13 13-0016	LF		6" x 12" Cast In Place Concrete Curb - Radius (Type A1-6).....	18.87	9.71
			For Up To 20, Add	11.58	
			For >20 To 50, Add	6.57	
			For >50 To 100, Add	2.51	
			For >500 To 1,000, Deduct	-2.51	
			For >1,000, Deduct	-4.23	
32 16 13 13-0017	LF		6" x 14" Cast In Place Concrete Curb (Type A1-8).....	18.12	8.44
			For Up To 20, Add	11.01	
			For >20 To 50, Add	6.24	
			For >50 To 100, Add	2.38	
			For >500 To 1,000, Deduct	-2.38	
			For >1,000, Deduct	-4.03	
32 16 13 13-0018	LF		6" x 14" Cast In Place Concrete Curb - Radius (Type A1-8).....	20.78	9.71
			For Up To 20, Add	12.70	
			For >20 To 50, Add	7.21	
			For >50 To 100, Add	2.75	
			For >500 To 1,000, Deduct	-2.75	
			For >1,000, Deduct	-4.64	
32 16 13 13-0019	LF		6" x 16" Cast In Place Concrete Curb.....	19.95	8.44
			For Up To 20, Add	12.01	
			For >20 To 50, Add	6.81	
			For >50 To 100, Add	2.60	
			For >500 To 1,000, Deduct	-2.60	
			For >1,000, Deduct	-4.40	
32 16 13 13-0020	LF		6" x 16" Cast In Place Concrete Curb - Radius.....	22.84	12.66
			For Up To 20, Add	13.85	
			For >20 To 50, Add	7.86	
			For >50 To 100, Add	3.00	
			For >500 To 1,000, Deduct	-3.00	
			For >1,000, Deduct	-5.07	
32 16 13 13-0021	LF		6" x 18" Cast In Place Concrete Curb.....	21.43	8.44
			For Up To 20, Add	12.81	
			For >20 To 50, Add	7.26	
			For >50 To 100, Add	2.78	
			For >500 To 1,000, Deduct	-2.78	
			For >1,000, Deduct	-4.70	
32 16 13 13-0022	LF		6" x 18" Cast In Place Concrete Curb - Radius.....	24.22	9.71
			For Up To 20, Add	14.54	
			For >20 To 50, Add	8.24	
			For >50 To 100, Add	3.15	
			For >500 To 1,000, Deduct	-3.15	
			For >1,000, Deduct	-5.33	
32 16 13 13-0023	LF		6" x 24" Cast In Place Concrete Curb.....	24.63	9.29
			For Up To 20, Add	14.31	
			For >20 To 50, Add	8.09	
			For >50 To 100, Add	3.11	
			For >500 To 1,000, Deduct	-3.11	
			For >1,000, Deduct	-5.28	
32 16 13 13-0024	LF		6" x 24" Cast In Place Concrete Curb - Radius.....	27.55	10.55
			For Up To 20, Add	16.06	
			For >20 To 50, Add	9.08	
			For >50 To 100, Add	3.49	
			For >500 To 1,000, Deduct	-3.49	
			For >1,000, Deduct	-5.92	
32 16 13 13-0025	LF		12" x 24" Cast In Place Concrete Curb.....	32.53	10.55
			For Up To 20, Add	17.06	
			For >20 To 50, Add	9.58	
			For >50 To 100, Add	3.74	
			For >500 To 1,000, Deduct	-3.74	
			For >1,000, Deduct	-6.42	
32 16 13 13-0026	LF		12" x 24" Cast In Place Concrete Curb - Radius.....	36.20	11.82
			For Up To 20, Add	19.05	
			For >20 To 50, Add	10.71	
			For >50 To 100, Add	4.17	
			For >500 To 1,000, Deduct	-4.17	
			For >1,000, Deduct	-7.16	
32 16 13 13-0027	EA		Additional Finish For Handicap Drop Section In Curb.....	63.29	
32 16 13 13-0028			Concrete Band, Cast In Place <small>(32 16 13 13)</small> Note: Includes delivered concrete, forms, rebar, chairs (where necessary), expansion joints, finish and curing.		
32 16 13 13-0029	LF		6" x 6" Concrete Band..... Note: Excludes base course.	15.07	8.44
			For Up To 20, Add	9.77	
			For >20 To 50, Add	5.56	
			For >50 To 100, Add	2.10	
			For >500 To 1,000, Deduct	-2.10	
			For >1,000, Deduct	-3.53	



Exterior Improvements	32
Bases, Ballasts, And Paving	32 10
Curbs, Gutters, Sidewalks, And Driveways	32 16

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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32 16 13 14 Machine Formed, Slip Form Curbs (32 16 13)

Note: Includes delivered concrete, steel, expansion joints and finish.

32 16 13 14-0001	LF	6" x 12" Straight Concrete Curb, Machine Formed	11.13	
32 16 13 14-0002	LF	6" x 12" Curved Concrete Curb, Machine Formed	14.72	
32 16 13 14-0003	LF	6" x 18" Straight Concrete Curb, Machine Formed	14.76	
32 16 13 14-0004	LF	6" x 18" Curved Concrete Curb, Machine Formed	18.84	

32 16 13 16 Steel Faced Curbs (32 16 13)

Note: Fabrication includes handicap and other curb access cuts.

32 16 13 16-0001 Sidewalk/Curb Facing (32 16 13 16)

Note: Fabrication includes handicap and other curb access cuts.

32 16 13 16-0002	LF	3" Steel Sidewalk/Curb Facing, With Steel Anchor, 12" On Center	13.94	4.19
		<i>For Curved Section, Add</i>	2.96	
32 16 13 16-0003	LF	4" Steel Sidewalk/Curb Facing, With Steel Anchor, 12" On Center	15.30	4.75
		<i>For Curved Section, Add</i>	3.31	
32 16 13 16-0004	LF	6" Steel Sidewalk/Curb Facing, With Steel Anchor, 12" On Center	20.81	5.32
		<i>For Curved Section, Add</i>	4.09	
32 16 13 16-0005	LF	8" Steel Sidewalk/Curb Facing, With Steel Anchor, 12" On Center	25.64	5.99
		<i>For Curved Section, Add</i>	4.79	
32 16 13 16-0006	LF	10" Steel Sidewalk/Curb Facing, With Steel Anchor, 12" On Center	31.49	6.56
		<i>For Curved Section, Add</i>	5.60	
32 16 13 16-0007	LF	12" Steel Sidewalk/Curb Facing, With Steel Anchor, 12" On Center	41.22	8.36
		<i>For Curved Section, Add</i>	7.24	
32 16 13 16-0008	LF	13" Steel Sidewalk/Curb Facing, With Steel Anchor, 12" On Center	47.33	10.83
		<i>For Curved Section, Add</i>	8.78	
32 16 13 16-0009	EA	Sidewalk/Curb Steel Facing, Pedestrian Ramps, Two Drops Per Section	149.94	

32 16 13 19 Cast-In-Place Concrete Drainage Ditches (32 16 13)

32 16 13 19-0001 Valley Gutter, Cast In Place (32 16 13 19)

Note: Includes concrete, forms, rebar, expansion joints, finish and curing.

32 16 13 19-0002	LF	2' Wide Valley Gutter, 6" Thick	23.08	
		<i>For Up To 20, Add</i>	11.32	
		<i>For >20 To 50, Add</i>	6.33	
		<i>For >50 To 100, Add</i>	2.49	
		<i>For >500 To 1,000, Deduct</i>	-2.49	
		<i>For >1,000, Deduct</i>	-4.32	
32 16 13 19-0003	LF	2-1/2' Wide Valley Gutter, 6" Thick	28.24	
		<i>For Up To 20, Add</i>	13.72	
		<i>For >20 To 50, Add</i>	7.67	
		<i>For >50 To 100, Add</i>	3.03	
		<i>For >500 To 1,000, Deduct</i>	-3.03	
		<i>For >1,000, Deduct</i>	-5.25	
32 16 13 19-0004	LF	3' Wide Valley Gutter, 6" Thick	33.33	
		<i>For Up To 20, Add</i>	16.07	
		<i>For >20 To 50, Add</i>	8.98	
		<i>For >50 To 100, Add</i>	3.55	
		<i>For >500 To 1,000, Deduct</i>	-3.55	
		<i>For >1,000, Deduct</i>	-6.15	
32 16 13 19-0005	LF	3-1/2' Wide Valley Gutter, 6" Thick	38.41	
		<i>For Up To 20, Add</i>	18.42	
		<i>For >20 To 50, Add</i>	10.28	
		<i>For >50 To 100, Add</i>	4.07	
		<i>For >500 To 1,000, Deduct</i>	-4.07	
		<i>For >1,000, Deduct</i>	-7.06	
32 16 13 19-0006	LF	4' Wide Valley Gutter, 6" Thick	43.49	
		<i>For Up To 20, Add</i>	20.76	
		<i>For >20 To 50, Add</i>	11.59	
		<i>For >50 To 100, Add</i>	4.59	
		<i>For >500 To 1,000, Deduct</i>	-4.59	
		<i>For >1,000, Deduct</i>	-7.97	
32 16 13 19-0007	LF	5' Wide Valley Gutter, 6" Thick	51.34	
		<i>For Up To 20, Add</i>	23.84	
		<i>For >20 To 50, Add</i>	13.28	
		<i>For >50 To 100, Add</i>	5.28	
		<i>For >500 To 1,000, Deduct</i>	-5.28	
		<i>For >1,000, Deduct</i>	-9.21	
32 16 13 19-0008	LF	6' Wide Valley Gutter, 6" Thick	58.84	
		<i>For Up To 20, Add</i>	26.67	
		<i>For >20 To 50, Add</i>	14.83	
		<i>For >50 To 100, Add</i>	5.92	
		<i>For >500 To 1,000, Deduct</i>	-5.92	
		<i>For >1,000, Deduct</i>	-10.36	
32 16 13 19-0009	SF	>6' Wide Valley Gutter, 6" Thick	9.80	
		<i>For Up To 100, Add</i>	4.44	
		<i>For >100 To 250, Add</i>	2.47	
		<i>For >250 To 500, Add</i>	0.99	
		<i>For >2,500 To 5,000, Deduct</i>	-0.99	
		<i>For >5,000, Deduct</i>	-1.72	

32 Exterior Improvements**32 10 Bases, Ballasts, And Paving****32 16 Curbs, Gutters, Sidewalks, And Driveways**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 16 13 19-0010 LF 2' Wide Valley Gutter, 7" Thick.....	25.27	
For Up To 20, Add	12.12	
For >20 To 50, Add	6.77	
For >50 To 100, Add	2.68	
For >500 To 1,000, Deduct	-2.68	
For >1,000, Deduct	-4.65	
32 16 13 19-0011 LF 2-1/2' Wide Valley Gutter, 7" Thick	31.16	
For Up To 20, Add	14.85	
For >20 To 50, Add	8.29	
For >50 To 100, Add	3.28	
For >500 To 1,000, Deduct	-3.28	
For >1,000, Deduct	-5.70	
32 16 13 19-0012 LF 3' Wide Valley Gutter, 7" Thick.....	36.55	
For Up To 20, Add	17.24	
For >20 To 50, Add	9.61	
For >50 To 100, Add	3.81	
For >500 To 1,000, Deduct	-3.81	
For >1,000, Deduct	-6.63	
32 16 13 19-0013 LF 3-1/2' Wide Valley Gutter, 7" Thick	42.15	
For Up To 20, Add	19.76	
For >20 To 50, Add	11.01	
For >50 To 100, Add	4.37	
For >500 To 1,000, Deduct	-4.37	
For >1,000, Deduct	-7.61	
32 16 13 19-0014 LF 4' Wide Valley Gutter, 7" Thick.....	47.74	
For Up To 20, Add	22.28	
For >20 To 50, Add	12.42	
For >50 To 100, Add	4.93	
For >500 To 1,000, Deduct	-4.93	
For >1,000, Deduct	-8.59	
32 16 13 19-0015 LF 5' Wide Valley Gutter, 7" Thick.....	56.50	
For Up To 20, Add	25.63	
For >20 To 50, Add	14.25	
For >50 To 100, Add	5.69	
For >500 To 1,000, Deduct	-5.69	
For >1,000, Deduct	-9.95	
32 16 13 19-0016 LF 6' Wide Valley Gutter, 7" Thick.....	64.88	
For Up To 20, Add	28.71	
For >20 To 50, Add	15.93	
For >50 To 100, Add	6.39	
For >500 To 1,000, Deduct	-6.39	
For >1,000, Deduct	-11.21	
32 16 13 19-0017 SF >6' Wide Valley Gutter, 7" Thick	10.82	
For Up To 100, Add	4.79	
For >100 To 250, Add	2.66	
For >250 To 500, Add	1.07	
For >2,500 To 5,000, Deduct	-1.07	
For >5,000, Deduct	-1.87	
32 16 13 19-0018 LF 2' Wide Valley Gutter, 8" Thick.....	25.56	
For Up To 20, Add	12.55	
For >20 To 50, Add	7.02	
For >50 To 100, Add	2.77	
For >500 To 1,000, Deduct	-2.77	
For >1,000, Deduct	-4.79	
32 16 13 19-0019 LF 2-1/2' Wide Valley Gutter, 8" Thick	31.31	
For Up To 20, Add	15.23	
For >20 To 50, Add	8.51	
For >50 To 100, Add	3.36	
For >500 To 1,000, Deduct	-3.36	
For >1,000, Deduct	-5.82	
32 16 13 19-0020 LF 3' Wide Valley Gutter, 8" Thick.....	36.93	
For Up To 20, Add	17.83	
For >20 To 50, Add	9.96	
For >50 To 100, Add	3.94	
For >500 To 1,000, Deduct	-3.94	
For >1,000, Deduct	-6.83	
32 16 13 19-0021 LF 3-1/2' Wide Valley Gutter, 8" Thick	42.56	
For Up To 20, Add	20.44	
For >20 To 50, Add	11.41	
For >50 To 100, Add	4.51	
For >500 To 1,000, Deduct	-4.51	
For >1,000, Deduct	-7.83	
32 16 13 19-0022 LF 4' Wide Valley Gutter, 8" Thick.....	48.20	
For Up To 20, Add	23.05	
For >20 To 50, Add	12.86	
For >50 To 100, Add	5.09	
For >500 To 1,000, Deduct	-5.09	
For >1,000, Deduct	-8.84	
32 16 13 19-0023 LF 5' Wide Valley Gutter, 8" Thick.....	56.89	
32 16 13 19-0024 LF 6' Wide Valley Gutter, 8" Thick.....	65.20	
32 16 13 19-0025 SF >6' Wide Valley Gutter, 8" Thick	10.87	
For Up To 100, Add	4.93	
For >100 To 250, Add	2.74	
For >250 To 500, Add	1.10	
For >2,500 To 5,000, Deduct	-1.10	
For >5,000, Deduct	-1.92	



Exterior Improvements	32
Bases, Ballasts, And Paving	32 10
Curbs, Gutters, Sidewalks, And Driveways	32 16

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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32 16 13 23 Precast Concrete Curbs And Gutters (32 16 13)

32 16 13 23-0001	LF	6" X 18" Precast Concrete Curb	36.57	7.99
32 16 13 23-0002	LF	6" X 18" Precast Concrete Curb, Radius	43.84	9.19

32 16 13 33 Asphalt Curbs (32 16 13)

32 16 13 33-0001 Asphalt Curbs (32 16 13 33)

32 16 13 33-0002	LF	6" Wide x 6" High Asphalt Curb 64 LF/TON, Bituminous, Plain	10.70	4.28
32 16 13 33-0003	LF	8" Wide x 6" High Asphalt Curb 50 LF/TON, Bituminous, Plain	12.05	4.75
32 16 13 33-0004	LF	8" Wide x 8" High Asphalt Curb 44 LF/TON, Bituminous, Plain	13.30	5.23

32 16 13 43 Stone Curbs (32 16 13)

32 16 13 43-0001 Remove And Reset Stone And Precast Curbing (32 16 13 43)

Note: Includes storage and cleaning.				
32 16 13 43-0002	LF	Removal And Resetting Of Stone Or Precast Curbing	28.02	
Note: Includes storage and cleaning.				

32 16 23 Sidewalks (32 16)

32 16 23 00-0001 Cast In Place Concrete Sidewalk (32 16 23)

Note: Includes finish grading, delivered concrete (up to 3500 PSI) by chute, formwork, 1/4" radius joints and edges, polyethylene sheeting, control joints, expansion joints, screed, broom finish, and curing. Excludes excavation, base, base compaction and welded wire reinforcement. For bar or fiber reinforcing, add bar or fiber reinforcing tasks. See CSI section 03 21 00 00-0000 for reinforcing steel, 03 31 13 00-0088 for pumping with boom truck, 03 31 13 00-0098 for buggies, 03 31 13 00-0105 for short loads, 31 00 00 00-0000 for excavation, 31 23 16 00-0000 for excavation, 32 11 23 16-0001 for base course.

32 16 23 00-0002	SF	4" Cast In Place Concrete Sidewalk	7.70	
		For Up To 100, Add	3.28	
		For >100 To 500, Add	0.93	
		For >1,000 To 5,000, Deduct	-0.54	
		For >5,000, Deduct	-1.20	
		For Welded Wire Reinforcement, Add	0.57	
32 16 23 00-0003	SF	5" Cast In Place Concrete Sidewalk	8.41	
		For Up To 100, Add	3.51	
		For >100 To 500, Add	0.98	
		For >1,000 To 5,000, Deduct	-0.56	
		For >5,000, Deduct	-1.26	
		For Welded Wire Reinforcement, Add	0.58	
32 16 23 00-0004	SF	6" Cast In Place Concrete Sidewalk	9.13	
		For Up To 100, Add	3.74	
		For >100 To 500, Add	1.04	
		For >1,000 To 5,000, Deduct	-0.58	
		For >5,000, Deduct	-1.33	
		For Welded Wire Reinforcement, Add	0.60	
32 16 23 00-0005	SF	7" Cast In Place Concrete Sidewalk	10.61	
		For Up To 100, Add	4.30	
		For >100 To 500, Add	1.19	
		For >1,000 To 5,000, Deduct	-0.66	
		For >5,000, Deduct	-1.52	
		For Welded Wire Reinforcement, Add	0.65	
32 16 23 00-0006	SF	8" Cast In Place Concrete Sidewalk	11.24	
		For Up To 100, Add	4.49	
		For >100 To 500, Add	1.23	
		For >1,000 To 5,000, Deduct	-0.67	
		For >5,000, Deduct	-1.57	
		For Welded Wire Reinforcement, Add	0.66	
32 16 23 00-0007	SF	For Exposed Aggregate Finish In Sidewalk	1.93	
32 16 23 00-0008	EA	Finish Concrete Handicap Drop Section In Sidewalk	115.73	
Note: Excludes patterned (tactile) finish.				

32 16 23 00-0009 Bituminous Sidewalk (32 16 23)

Note: Includes finish grading, delivered asphalt, formwork, control joints, expansion joints, and compaction. Excludes excavation, base, and base compaction. See CSI section 31 00 00 00-0000 for excavation, 31 23 16 00-0000 for excavation, 32 11 23 16-0001 for base course.

32 16 23 00-0010	SY	1" Bituminous Sidewalk	8.08	
		For Up To 100, Add	2.96	
		For >100 To 500, Add	0.78	
		For >1,000 To 5,000, Deduct	-0.37	
		For >5,000, Deduct	-0.78	
32 16 23 00-0011	SY	1-1/2" Bituminous Sidewalk	10.18	
		For Up To 100, Add	3.67	
		For >100 To 500, Add	0.96	
		For >1,000 To 5,000, Deduct	-0.45	
		For >5,000, Deduct	-0.96	

32 Exterior Improvements**32 10 Bases, Ballasts, And Paving****32 16 Curbs, Gutters, Sidewalks, And Driveways**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 16 23 00-0012 SY 2" Bituminous Sidewalk.....	14.22	
For Up To 100, Add	4.95	
For >100 To 500, Add	1.27	
For >1,000 To 5,000, Deduct	-0.56	
For >5,000, Deduct	-1.27	
32 16 23 00-0013 SY 2-1/2" Bituminous Sidewalk	17.80	
For Up To 100, Add	6.18	
For >100 To 500, Add	1.58	
For >1,000 To 5,000, Deduct	-0.69	
For >5,000, Deduct	-1.58	
32 16 23 00-0014 SY 3" Bituminous Sidewalk.....	20.56	
For Up To 100, Add	7.02	
For >100 To 500, Add	1.78	
For >1,000 To 5,000, Deduct	-0.75	
For >5,000, Deduct	-1.78	
32 16 23 00-0015 SY 3-1/2" Bituminous Sidewalk	23.80	
For Up To 100, Add	8.01	
For >100 To 500, Add	2.01	
For >1,000 To 5,000, Deduct	-0.82	
For >5,000, Deduct	-2.01	
32 16 43 Asphalt Dike (32 16)		
32 16 43 00-0001 Asphalt Dike (32 16 43)		
32 16 43 00-0002 LF Type A, Asphalt Dike, 11" Base, 5" Top, 6" Height.....	9.20	
32 16 43 00-0003 LF Type B, Asphalt Dike, 13" Base, 5" Top, 8" Height.....	12.37	
32 16 43 00-0004 LF Type C-6, Asphalt Dike, 18" Base, 6" Top, 6" Height.....	12.37	
32 16 43 00-0005 LF Type C-8, Asphalt Dike, 22" Base, 6" Top, 8" Height.....	17.34	
32 16 43 00-0006 LF Type C-9, Asphalt Dike, 24" Base, 6" Top, 9" Height.....	20.45	
32 16 43 00-0007 LF Type D, Asphalt Dike, 8" Base, 4" Top, 2" Height.....	5.38	
32 16 43 00-0008 LF Type E, Mountable Asphalt Dike, 16" Base, 12" Top, 2" Height Front, 6" Height Back.....	12.70	
32 16 43 00-0009 LF Type F, Mountable Asphalt Dike, 26" Base, 20" Top, 2" Height Front, 8" Height Back.....	19.65	
32 16 43 00-0010 LF CALTRANS Type A, Asphalt Dike, 11" Base, 5" Top, 6" Height.....	9.20	
32 16 43 00-0011 LF CALTRANS Type C, Asphalt Dike, 8" Base, 4" Top, 2" Height.....	5.38	
32 16 43 00-0012 LF CALTRANS Type D, Mountable Asphalt Dike, 26" Base, 20" Top, 2" Height Front, 8" Height Back.....	19.65	
32 16 43 00-0013 LF CALTRANS Type E, Mountable Asphalt Dike, 16" Base, 12" Top, 2" Height Front, 6" Height Back.....	12.70	
32 16 43 00-0014 LF CALTRANS Type F, Asphalt Dike, 8" Base, 4" Top, 4" Height.....	7.76	
32 17 Paving Specialties (32 10)		
32 17 13 Parking Bumpers (32 17)		
Note: Includes dowels set.		
32 17 13 16 Plastic Parking Bumpers (32 17 13)		
32 17 13 16-0001 EA 4" x 6" x 4" Recycled Plastic Wheel Stop.....	57.56	6.00
32 17 13 16-0002 EA 4" x 6" x 6" Recycled Plastic Wheel Stop.....	64.12	6.00
32 17 13 19 Precast Concrete Parking Bumpers (32 17 13)		
32 17 13 19-0001 EA 6" x 8" x 4" Precast Concrete Wheel Stop.....	46.00	18.07
32 17 13 19-0002 EA 6" x 6" x 6" Precast Concrete Wheel Stop.....	53.36	18.07
32 17 13 19-0003 EA 6" x 8" x 6" Precast Concrete Wheel Stop.....	54.49	18.07
32 17 13 19-0004 EA 6" x 10" x 6" Precast Concrete Wheel Stop.....	56.81	18.07
32 17 13 19-0005 EA 8" x 4-1/2" x 6" Precast Concrete Wheel Stop.....	53.36	18.07
32 17 13 19-0006 EA 8" x 13" x 6" Precast Concrete Wheel Stop.....	66.16	18.07
32 17 13 23 Rubber Parking Bumpers (32 17 13)		
32 17 13 23-0001 EA 3' Recycled Rubber Wheel Stop.....	27.11	6.00
32 17 13 23-0002 EA 4' Recycled Rubber Wheel Stop.....	31.79	6.00
32 17 13 23-0003 EA 5' Recycled Rubber Wheel Stop.....	33.66	6.00
32 17 13 23-0004 EA 6' Recycled Rubber Wheel Stop.....	36.47	6.00
32 17 13 26 Wood Parking Bumpers (32 17 13)		
32 17 13 26-0001 LF 4" x 4" Timber Barrier With Saddles For Cars, Pressure Treated.....	8.45	1.45
32 17 13 26-0002 LF 6" x 6" Timber Barriers With Saddle For Trucks, Pressure Treated.....	11.09	1.45
32 17 13 33 Remove And Relocate Parking Bumpers (32 17 13)		
32 17 13 33-0001 EA Removal And Relocation Of Precast Concrete Wheel Stop.....	28.90	
32 17 13 33-0002 EA Removal And Relocation Of Plastic Or Wood Wheel Stop.....	18.79	
32 17 16 Speed Bumps (32 17)		
32 17 16 00-0001 Speed Bumps (32 17 16)		
Note: Excludes pavement markings or reflectors.		
32 17 16 00-0002 LF 2-1/4" High x 10-1/2" Wide, Asphalt Speed Bump.....	31.47	1.37



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 17 16 00-0003 LF 3-1/2" High x 12" Wide, Asphalt Speed Bump Note: Excludes striping.	55.38	
32 17 16 00-0004 LF 2-1/4" High x 12" Wide, Recycled Rubber Speed Bump.....	26.08	0.91
32 17 16 00-0005 LF 2-5/8" High x 12" Wide, Recycled Plastic Speed Bump.....	35.91	0.91
32 17 16 00-0006 Modular Rubber Speed Tables <small>(32 17 16)</small> Note: 3" high flat topped speed humps, 18" x 42" modular rubber construction. Trafficlogix.		
32 17 16 00-0007 SF Up To 24' Road Width x 7' Run Modular Rubber Speed Table..... Note: Includes drilling in pavement, lag bolts and 3" x 18" x 42" compression molded recycled synthetic and natural rubber composite modular panels.	39.55	
32 17 16 00-0008 SF Up To 24' Road Width x 14' Run Modular Rubber Speed Table..... Note: Includes drilling in pavement, lag bolts and 3" x 18" x 42" compression molded recycled synthetic and natural rubber composite modular panels.	34.55	
32 17 16 00-0009 SF Up To 24' Road Width x 21' Run Modular Rubber Speed Table..... Note: Includes drilling in pavement, lag bolts and 3" x 18" x 42" compression molded recycled synthetic and natural rubber composite modular panels.	32.33	
32 17 16 00-0010 SF >24' To 30' Road Width x 7' Run Modular Rubber Speed Table..... Note: Includes drilling in pavement, lag bolts and 3" x 18" x 42" compression molded recycled synthetic and natural rubber composite modular panels.	37.82	
32 17 16 00-0011 SF >24' To 30' Road Width x 14' Run Modular Rubber Speed Table..... Note: Includes drilling in pavement, lag bolts and 3" x 18" x 42" compression molded recycled synthetic and natural rubber composite modular panels.	33.16	
32 17 16 00-0012 SF >24' To 30' Road Width x 21' Run Modular Rubber Speed Table..... Note: Includes drilling in pavement, lag bolts and 3" x 18" x 42" compression molded recycled synthetic and natural rubber composite modular panels.	31.18	
32 17 16 00-0013 SF >30' To 40' Road Width x 7' Run Modular Rubber Speed Table..... Note: Includes drilling in pavement, lag bolts and 3" x 18" x 42" compression molded recycled synthetic and natural rubber composite modular panels.	36.06	
32 17 16 00-0014 SF >30' To 40' Road Width x 14' Run Modular Rubber Speed Table..... Note: Includes drilling in pavement, lag bolts and 3" x 18" x 42" compression molded recycled synthetic and natural rubber composite modular panels.	32.09	
32 17 16 00-0015 SF >30' To 40' Road Width x 21' Run Modular Rubber Speed Table..... Note: Includes drilling in pavement, lag bolts and 3" x 18" x 42" compression molded recycled synthetic and natural rubber composite modular panels.	30.24	
32 17 16 00-0016 Asphalt Speed Table <small>(32 17 16)</small> Note: Excludes pavement markings or reflectors.		
32 17 16 00-0017 LF Up to 36" Wide Asphalt Speed Table With 3" Center Crown Note: Tapered on edges to roadway.	29.65	
32 17 16 00-0018 LF >36" To 48" Wide Asphalt Speed Table With 3" Center Crown Note: Tapered on edges to roadway.	35.03	
32 17 16 00-0019 LF Up to 36" Wide Asphalt Speed Table With 4" Center Crown Note: Tapered on edges to roadway.	37.28	
32 17 16 00-0020 LF >36" To 48" Wide Asphalt Speed Table With 4" Center Crown Note: Tapered on edges to roadway.	44.09	
32 17 16 00-0021 LF Up to 36" Wide Asphalt Speed Table With 6" Center Crown Note: Tapered on edges to roadway.	45.39	
32 17 16 00-0022 LF >36" To 48" Wide Asphalt Speed Table With 6" Center Crown Note: Tapered on edges to roadway.	50.77	
32 17 16 00-0023 Concrete Speed Table <small>(32 17 16)</small>		
32 17 16 00-0024 SF Concrete Speed Table..... Note: Includes drilling in pavement, lag bolts and 3" x 18" x 42" compression molded recycled synthetic and natural rubber composite modular panels.	11.47	
32 17 23 Pavement Markings <small>(32 17)</small> See CSI section 01 55 26 00-0000 for temporary markings and removable line mask tape.		
32 17 23 13 Painted Pavement Markings <small>(32 17 23)</small>		
32 17 23 13-0001 ¹³⁾ Painted Pavement Striping, Letters, Symbols And Markers For Roads <small>(32 17 23)</small> Note: Includes primers, adhesive and glass beads where required. For broken line modifier quantity use total lane length.		
32 17 23 13-0002 Alkyd/Solvent Based/Latex Reflective Pavement Marking <small>(32 17 23 13-0001)</small> Note: 15 mil thickness.		
32 17 23 13-0003 LF Single 4" Wide Solid Line, Painted Reflective Pavement Striping..... For Up To 1 Mile, Add For >5 Miles, Deduct For Broken Line, Deduct	0.21 0.04 -0.03 -0.04	
32 17 23 13-0004 LF Single 6" Wide Solid Line, Painted Reflective Pavement Striping..... For Up To 1 Mile, Add For >5 Miles, Deduct For Broken Line, Deduct	0.27 0.05 -0.04 -0.05	
32 17 23 13-0005 LF Single 8" Wide Solid Line, Painted Reflective Pavement Striping..... For Up To 1 Mile, Add For >5 Miles, Deduct For Broken Line, Deduct	0.34 0.07 -0.05 -0.07	

32	Exterior Improvements
32 10	Bases, Ballasts, And Paving
32 17	Paving Specialties



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 17 23 13-0006 LF Single 12" Wide Solid Line, Painted Reflective Pavement Striping.....	0.47	
For Up To 1 Mile, Add	0.09	
For >5 Miles, Deduct	-0.07	
For Broken Line, Deduct	-0.11	
32 17 23 13-0007 LF Double 4" Wide Solid Lines, Painted Reflective Pavement Striping.....	0.31	
For Up To 1 Mile, Add	0.06	
For >5 Miles, Deduct	-0.05	
For Broken Line On One Side, Deduct	-0.03	
For Double Broken Line, Deduct	-0.07	
32 17 23 13-0008 LF Double 6" Wide Solid Lines, Painted Reflective Pavement Striping.....	0.47	
For Up To 1 Mile, Add	0.09	
For >5 Miles, Deduct	-0.07	
For Broken Line On One Side, Deduct	-0.05	
For Double Broken Line, Deduct	-0.11	
32 17 23 13-0009 SF Solid Area, Painted Reflective Pavement Striping	4.68	
Note: Use task for lines >12" wide, stop bars, transverse lines, diagonal lines, crossing lanes, etc.		
32 17 23 13-0010 EA 6" High, Letter/Number, Alkyd Reflective Pavement Striping.....	3.38	
For <10, Add	0.47	
For >50 To 100, Deduct	-0.23	
For >100 To 200, Deduct	-0.31	
For >200, Deduct	-0.62	
32 17 23 13-0011 EA 12" High, Letter/Number, Alkyd Reflective Pavement Striping.....	5.66	
For <10, Add	0.70	
For >50 To 100, Deduct	-0.35	
For >100 To 200, Deduct	-0.47	
For >200, Deduct	-0.94	
32 17 23 13-0012 EA 24" High, Letter/Number, Alkyd Reflective Pavement Striping.....	9.51	
For <10, Add	1.17	
For >50 To 100, Deduct	-0.59	
For >100 To 200, Deduct	-0.78	
For >200, Deduct	-1.56	
32 17 23 13-0013 EA 36" High, Letter/Number, Alkyd Reflective Pavement Striping.....	18.60	
For <10, Add	2.34	
For >50 To 100, Deduct	-1.17	
For >100 To 200, Deduct	-1.56	
For >200, Deduct	-3.12	
32 17 23 13-0014 EA 48" High, Letter/Number, Alkyd Reflective Pavement Striping.....	21.39	
For <10, Add	2.62	
For >50 To 100, Deduct	-1.31	
For >100 To 200, Deduct	-1.75	
For >200, Deduct	-3.50	
32 17 23 13-0015 EA 72" High, Letter/Number, Alkyd Reflective Pavement Striping.....	38.24	
For <10, Add	4.67	
For >50 To 100, Deduct	-2.33	
For >100 To 200, Deduct	-3.11	
For >200, Deduct	-6.22	
32 17 23 13-0016 EA 96" High, Letter/Number, Alkyd Reflective Pavement Striping.....	51.17	
For <10, Add	6.27	
For >50 To 100, Deduct	-3.14	
For >100 To 200, Deduct	-4.18	
For >200, Deduct	-8.36	
32 17 23 13-0017 EA 120" High, Letter/Number, Alkyd Reflective Pavement Striping.....	72.71	
For <10, Add	7.77	
For >50 To 100, Deduct	-3.88	
For >100 To 200, Deduct	-5.18	
For >200, Deduct	-10.36	
32 17 23 13-0018 SF Letter/Number, Painted Reflective Pavement Marking	5.37	
32 17 23 13-0019 SF Symbols, Painted Reflective Pavement Marking	6.43	
Note: Handicap, railroad, diamond, arrows, etc.		
32 17 23 13-0020 Pavement Marking (CALTRANS) <small>(32 17 23 13-0001)</small>		
Note: Per LF of detail.		
32 17 23 13-0021 LF CALTRANS Detail 1 Centerline, Painted Reflective Pavement Striping	0.18	
For Up To 1 Mile, Add	0.04	
For >5 Miles, Deduct	-0.03	
32 17 23 13-0022 LF CALTRANS Detail 2 Centerline, Painted Reflective Pavement Striping	0.26	
For Up To 1 Mile, Add	0.05	
For >5 Miles, Deduct	-0.04	
32 17 23 13-0023 LF CALTRANS Detail 4 Centerline	0.49	
For Up To 1 Mile, Add	0.10	
For >5 Miles, Deduct	-0.07	
32 17 23 13-0024 LF CALTRANS Detail 5 Centerline, Painted Reflective Pavement Striping	0.17	
For Up To 1 Mile, Add	0.03	
For >5 Miles, Deduct	-0.03	
32 17 23 13-0025 LF CALTRANS Detail 6 Centerline, Painted Reflective Pavement Striping	0.27	
For Up To 1 Mile, Add	0.05	
For >5 Miles, Deduct	-0.04	
32 17 23 13-0026 LF CALTRANS Detail 7 Centerline	0.35	
For Up To 1 Mile, Add	0.07	
For >5 Miles, Deduct	-0.05	
32 17 23 13-0027 LF CALTRANS Detail 8 Lanelines, Painted Reflective Pavement Striping	0.18	
For Up To 1 Mile, Add	0.04	
For >5 Miles, Deduct	-0.03	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 17 23 13-0028 LF CALTRANS Detail 9 Lanelines, Painted Reflective Pavement Striping	0.26	
<i>For Up To 1 Mile, Add</i>	0.05	
<i>For >5 Miles, Deduct</i>	-0.04	
32 17 23 13-0029 LF CALTRANS Detail 10 Lanelines	0.49	
<i>For Up To 1 Mile, Add</i>	0.10	
<i>For >5 Miles, Deduct</i>	-0.07	
32 17 23 13-0030 LF CALTRANS Detail 11 Lanelines, Painted Reflective Pavement Striping	0.17	
<i>For Up To 1 Mile, Add</i>	0.03	
<i>For >5 Miles, Deduct</i>	-0.03	
32 17 23 13-0031 LF CALTRANS Detail 12 Lanelines, Painted Reflective Pavement Striping	0.26	
<i>For Up To 1 Mile, Add</i>	0.05	
<i>For >5 Miles, Deduct</i>	-0.04	
32 17 23 13-0032 LF CALTRANS Detail 13 Lanelines	0.35	
<i>For Up To 1 Mile, Add</i>	0.07	
<i>For >5 Miles, Deduct</i>	-0.05	
32 17 23 13-0033 LF CALTRANS Detail 14 Lanelines	0.35	
<i>For Up To 1 Mile, Add</i>	0.07	
<i>For >5 Miles, Deduct</i>	-0.05	
32 17 23 13-0034 LF CALTRANS Detail 14A Lanelines, Painted Reflective Pavement Striping.....	0.26	
<i>For Up To 1 Mile, Add</i>	0.05	
<i>For >5 Miles, Deduct</i>	-0.04	
32 17 23 13-0035 LF CALTRANS Detail 15 No Passing Zones-One Direction Lanelines, Painted Reflective Pavement Striping.....	0.23	
<i>For Up To 1 Mile, Add</i>	0.05	
<i>For >5 Miles, Deduct</i>	-0.03	
<i>For Broken Line On One Side, Deduct</i>	-0.03	
<i>For Double Broken Line, Deduct</i>	-0.05	
32 17 23 13-0036 LF CALTRANS Detail 16 No Passing Zones-One Direction Lanelines, Painted Reflective Pavement Striping.....	0.55	
<i>For Up To 1 Mile, Add</i>	0.11	
<i>For >5 Miles, Deduct</i>	-0.08	
32 17 23 13-0037 LF CALTRANS Detail 17 No Passing Zones-One Direction Lanelines.....	1.41	
<i>For Up To 1 Mile, Add</i>	0.28	
<i>For >5 Miles, Deduct</i>	-0.21	
32 17 23 13-0038 LF CALTRANS Detail 18 No Passing Zones-One Direction Lanelines, Painted Reflective Pavement Striping.....	0.23	
<i>For Up To 1 Mile, Add</i>	0.05	
<i>For >5 Miles, Deduct</i>	-0.03	
<i>For Broken Line On One Side, Deduct</i>	-0.03	
<i>For Double Broken Line, Deduct</i>	-0.05	
32 17 23 13-0039 LF CALTRANS Detail 19 No Passing Zones-One Direction Lanelines, Painted Reflective Pavement Striping.....	0.47	
<i>For Up To 1 Mile, Add</i>	0.09	
<i>For >5 Miles, Deduct</i>	-0.07	
32 17 23 13-0040 LF CALTRANS Detail 20 No Passing Zones-One Direction Lanelines.....	1.19	
<i>For Up To 1 Mile, Add</i>	0.24	
<i>For >5 Miles, Deduct</i>	-0.18	
32 17 23 13-0041 LF CALTRANS Detail 21 No Passing Zones-Two Direction Lanelines, Painted Reflective Pavement Striping.....	0.27	
<i>For Up To 1 Mile, Add</i>	0.05	
<i>For >5 Miles, Deduct</i>	-0.04	
<i>For Broken Line On One Side, Deduct</i>	-0.04	
<i>For Double Broken Line, Deduct</i>	-0.08	
32 17 23 13-0042 LF CALTRANS Detail 22 No Passing Zones-Two Direction Lanelines, Painted Reflective Pavement Striping.....	0.59	
<i>For Up To 1 Mile, Add</i>	0.12	
<i>For >5 Miles, Deduct</i>	-0.09	
32 17 23 13-0043 LF CALTRANS Detail 23 No Passing Zones-Two Direction Lanelines.....	1.69	
<i>For Up To 1 Mile, Add</i>	0.34	
<i>For >5 Miles, Deduct</i>	-0.25	
32 17 23 13-0044 LF CALTRANS Detail 24 Left Edgelines, Painted Reflective Pavement Striping.....	0.21	
<i>For Up To 1 Mile, Add</i>	0.04	
<i>For >5 Miles, Deduct</i>	-0.03	
32 17 23 13-0045 LF CALTRANS Detail 25 Left Edgelines, Painted Reflective Pavement Striping.....	0.30	
<i>For Up To 1 Mile, Add</i>	0.06	
<i>For >5 Miles, Deduct</i>	-0.05	
32 17 23 13-0046 LF CALTRANS Detail 25A Left Edgelines, Painted Reflective Pavement Striping	0.38	
<i>For Up To 1 Mile, Add</i>	0.08	
<i>For >5 Miles, Deduct</i>	-0.06	
32 17 23 13-0047 LF CALTRANS Detail 26 Left Edgelines.....	0.08	
<i>For Up To 1 Mile, Add</i>	0.02	
<i>For >5 Miles, Deduct</i>	-0.01	
32 17 23 13-0048 LF CALTRANS Detail 27 Left Edgelines, Painted Reflective Pavement Striping.....	0.36	
<i>For Up To 1 Mile, Add</i>	0.07	
<i>For >5 Miles, Deduct</i>	-0.05	
32 17 23 13-0049 LF CALTRANS Detail 27B Right Edgelines, Painted Reflective Pavement Striping	0.21	
<i>For Up To 1 Mile, Add</i>	0.04	
<i>For >5 Miles, Deduct</i>	-0.03	
32 17 23 13-0050 LF CALTRANS Detail 27C Right Edgeline Extension Through Intersections, Painted Reflective Pavement Striping	0.17	
<i>For Up To 1 Mile, Add</i>	0.03	
<i>For >5 Miles, Deduct</i>	-0.03	
32 17 23 13-0051 LF CALTRANS Detail 28 Median Islands, Painted Reflective Pavement Striping	0.55	
<i>For Up To 1 Mile, Add</i>	0.11	
<i>For >5 Miles, Deduct</i>	-0.08	
<i>For Broken Line On One Side, Deduct</i>	-0.08	
<i>For Double Broken Line, Deduct</i>	-0.17	
32 17 23 13-0052 LF CALTRANS Detail 29 Median Islands, Painted Reflective Pavement Striping	0.86	
<i>For Up To 1 Mile, Add</i>	0.17	
<i>For >5 Miles, Deduct</i>	-0.13	
32 17 23 13-0053 LF CALTRANS Detail 30 Median Islands	3.37	
<i>For Up To 1 Mile, Add</i>	0.67	
<i>For >5 Miles, Deduct</i>	-0.51	

32	Exterior Improvements
32 10	Bases, Ballasts, And Paving
32 17	Paving Specialties



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 17 23 13-0054 LF CALTRANS Detail 31 Two-Way Left Turn Lanes, Painted Reflective Pavement Striping.....	0.47	
For Up To 1 Mile, Add	0.09	
For >5 Miles, Deduct	-0.07	
For Broken Line On One Side, Deduct	-0.05	
For Double Broken Line, Deduct	-0.11	
32 17 23 13-0055 LF CALTRANS Detail 32 Two-Way Left Turn Lanes, Painted Reflective Pavement Striping.....	0.86	
For Up To 1 Mile, Add	0.17	
For >5 Miles, Deduct	-0.13	
32 17 23 13-0056 LF CALTRANS Detail 33 Two-Way Left Turn Lanes.....	2.31	
For Up To 1 Mile, Add	0.46	
For >5 Miles, Deduct	-0.35	
32 17 23 13-0057 LF CALTRANS Detail 34 Intersection Treatments, Painted Reflective Pavement Striping	0.47	
For Up To 1 Mile, Add	0.09	
For >5 Miles, Deduct	-0.07	
32 17 23 13-0058 LF CALTRANS Detail 34A Intersection Treatments, Painted Reflective Pavement Striping.....	0.23	
For Up To 1 Mile, Add	0.05	
For >5 Miles, Deduct	-0.03	
32 17 23 13-0059 LF CALTRANS Detail 35 Intersection Treatments, Painted Reflective Pavement Striping	0.55	
For Up To 1 Mile, Add	0.11	
For >5 Miles, Deduct	-0.08	
32 17 23 13-0060 LF CALTRANS Detail 35A Intersection Treatments, Painted Reflective Pavement Striping.....	0.23	
For Up To 1 Mile, Add	0.05	
For >5 Miles, Deduct	-0.03	
32 17 23 13-0061 LF CALTRANS Detail 36 Exit Ramp Neutral Area (Gore) Treatment, Painted Reflective Pavement Striping.....	1.01	
For Up To 1 Mile, Add	0.20	
For >5 Miles, Deduct	-0.15	
32 17 23 13-0062 LF CALTRANS Detail 36A Entrance Ramp Neutral Area (Merge) Treatment, Painted Reflective Pavement Striping.....	0.67	
For Up To 1 Mile, Add	0.13	
For >5 Miles, Deduct	-0.10	
32 17 23 13-0063 LF CALTRANS Detail 36B Entrance Ramp Neutral Area (Acceleration Lane) Treatment, Painted Reflective Pavement Striping	0.71	
For Up To 1 Mile, Add	0.14	
For >5 Miles, Deduct	-0.11	
32 17 23 13-0064 LF CALTRANS Detail 37 Lane Drop At Exit Ramps, Painted Reflective Pavement Striping	0.63	
For Up To 1 Mile, Add	0.13	
For >5 Miles, Deduct	-0.09	
32 17 23 13-0065 LF CALTRANS Detail 37A Lane Drop At Exit Ramps.....	1.13	
For Up To 1 Mile, Add	0.23	
For >5 Miles, Deduct	-0.17	
32 17 23 13-0066 LF CALTRANS Detail 37B Lane Drop At Intersections, Painted Reflective Pavement Striping.....	0.63	
For Up To 1 Mile, Add	0.13	
For >5 Miles, Deduct	-0.09	
32 17 23 13-0067 LF CALTRANS Detail 37C Lane Drop At Intersections.....	1.13	
For Up To 1 Mile, Add	0.23	
For >5 Miles, Deduct	-0.17	
32 17 23 13-0068 LF CALTRANS Detail 38 Channelizing Line, Painted Reflective Pavement Striping	0.61	
For Up To 1 Mile, Add	0.12	
For >5 Miles, Deduct	-0.09	
32 17 23 13-0069 LF CALTRANS Detail 38A Channelizing Line, Painted Reflective Pavement Striping.....	0.45	
For Up To 1 Mile, Add	0.09	
For >5 Miles, Deduct	-0.07	
32 17 23 13-0070 LF CALTRANS Detail 38B Channelizing Line, Painted Reflective Pavement Striping.....	0.76	
For Up To 1 Mile, Add	0.15	
For >5 Miles, Deduct	-0.11	
32 17 23 13-0071 LF CALTRANS Detail 38C Channelizing Line.....	1.69	
For Up To 1 Mile, Add	0.34	
For >5 Miles, Deduct	-0.25	
32 17 23 13-0072 LF CALTRANS Detail 39 Bike Lane Line, Painted Reflective Pavement Striping	0.27	
For Up To 1 Mile, Add	0.05	
For >5 Miles, Deduct	-0.04	
32 17 23 13-0073 LF CALTRANS Detail 39A Intersection Line Bike Lane, Painted Reflective Pavement Striping	0.22	
For Up To 1 Mile, Add	0.04	
For >5 Miles, Deduct	-0.03	
32 17 23 13-0074 LF CALTRANS Detail 40 Lane Line Extensions Through Intersections, Painted Reflective Pavement Striping.....	0.17	
For Up To 1 Mile, Add	0.03	
For >5 Miles, Deduct	-0.03	
32 17 23 13-0075 LF CALTRANS Detail 40A Lane Line Extensions Through Intersections.....	0.82	
For Up To 1 Mile, Add	0.16	
For >5 Miles, Deduct	-0.12	
32 17 23 13-0076 LF CALTRANS Detail 41 Center Line Extensions Through Intersections, Painted Reflective Pavement Striping	0.17	
For Up To 1 Mile, Add	0.03	
For >5 Miles, Deduct	-0.03	
32 17 23 13-0077 LF CALTRANS Detail 41A Center Line Extensions Through Intersections.....	0.82	
For Up To 1 Mile, Add	0.16	
For >5 Miles, Deduct	-0.12	
32 17 23 13-0078 EA CALTRANS 10' Arrow, Type I, Painted Reflective Pavement Marking	85.52	
For <10, Add	11.36	
For >50 To 100, Deduct	-5.68	
For >100 To 200, Deduct	-7.57	
For >200, Deduct	-15.14	
32 17 23 13-0079 EA CALTRANS 18' Arrow, Type I, Painted Reflective Pavement Marking	150.01	
For <10, Add	19.88	
For >50 To 100, Deduct	-9.94	
For >100 To 200, Deduct	-13.25	
For >200, Deduct	-26.50	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 17 23 13-0080 EA CALTRANS 24' Arrow, Type I, Painted Reflective Pavement Marking.....	188.28	
<i>For <10, Add</i>	24.99	
<i>For >50 To 100, Deduct</i>	-12.49	
<i>For >100 To 200, Deduct</i>	-16.66	
<i>For >200, Deduct</i>	-33.32	
32 17 23 13-0081 EA CALTRANS 24' Arrow With Single (L or R) Turn Arrow, Type II, Painted Reflective Pavement Marking	273.79	
<i>For <10, Add</i>	36.35	
<i>For >50 To 100, Deduct</i>	-18.17	
<i>For >100 To 200, Deduct</i>	-24.23	
<i>For >200, Deduct</i>	-48.46	
32 17 23 13-0082 EA CALTRANS 24' Arrow With Both (L and R) Turn Arrows, Type II, Painted Reflective Pavement Marking	359.31	
<i>For <10, Add</i>	47.70	
<i>For >50 To 100, Deduct</i>	-23.85	
<i>For >100 To 200, Deduct</i>	-31.80	
<i>For >200, Deduct</i>	-63.61	
32 17 23 13-0083 EA CALTRANS 24' Arrow Single (L or R) Turn Arrow, Type III, Painted Reflective Pavement Marking.....	252.76	
<i>For <10, Add</i>	33.51	
<i>For >50 To 100, Deduct</i>	-16.75	
<i>For >100 To 200, Deduct</i>	-22.34	
<i>For >200, Deduct</i>	-44.68	
32 17 23 13-0084 EA CALTRANS 24' Arrow Both (L and R) Turn Arrows, Type III, Painted Reflective Pavement Marking	441.03	
<i>For <10, Add</i>	58.49	
<i>For >50 To 100, Deduct</i>	-29.25	
<i>For >100 To 200, Deduct</i>	-39.00	
<i>For >200, Deduct</i>	-77.99	
32 17 23 13-0085 EA CALTRANS 8' Turn Arrow (L or R), Type IV, Painted Reflective Pavement Marking	90.00	
<i>For <10, Add</i>	11.93	
<i>For >50 To 100, Deduct</i>	-5.96	
<i>For >100 To 200, Deduct</i>	-7.95	
<i>For >200, Deduct</i>	-15.90	
32 17 23 13-0086 EA CALTRANS 24' Arrow, Type V, Painted Reflective Pavement Marking.....	197.25	
<i>For <10, Add</i>	26.12	
<i>For >50 To 100, Deduct</i>	-13.06	
<i>For >100 To 200, Deduct</i>	-17.42	
<i>For >200, Deduct</i>	-34.83	
32 17 23 13-0087 EA CALTRANS 18' Arrow, Type VI, Painted Reflective Pavement Marking.....	252.76	
<i>For <10, Add</i>	33.51	
<i>For >50 To 100, Deduct</i>	-16.75	
<i>For >100 To 200, Deduct</i>	-22.34	
<i>For >200, Deduct</i>	-44.68	
32 17 23 13-0088 EA CALTRANS 13' Arrow With Single (L or R) Turn Arrow, Type VII, Painted Reflective Pavement Marking.....	162.88	
<i>For <10, Add</i>	21.58	
<i>For >50 To 100, Deduct</i>	-10.79	
<i>For >100 To 200, Deduct</i>	-14.39	
<i>For >200, Deduct</i>	-28.77	
32 17 23 13-0089 EA CALTRANS 15' Arrow With Both (L and R) Turn Arrows, Type VIII, Painted Reflective Pavement Marking.....	214.50	
<i>For <10, Add</i>	28.40	
<i>For >50 To 100, Deduct</i>	-14.20	
<i>For >100 To 200, Deduct</i>	-18.93	
<i>For >200, Deduct</i>	-37.86	
32 17 23 13-0090 EA CALTRANS 5' Arrow, Bike Lane, Painted Reflective Pavement Marking	42.76	
<i>For <10, Add</i>	5.68	
<i>For >50 To 100, Deduct</i>	-2.84	
<i>For >100 To 200, Deduct</i>	-3.79	
<i>For >200, Deduct</i>	-7.57	
32 17 23 13-0091 EA CALTRANS Railroad Crossing Symbol, Painted Reflective Pavement Marking.....	408.65	
Note: Excludes variable width transverse lines.		
<i>For <10, Add</i>	53.95	
<i>For >50 To 100, Deduct</i>	-26.98	
<i>For >100 To 200, Deduct</i>	-35.97	
<i>For >200, Deduct</i>	-71.94	
32 17 23 13-0092 SF CALTRANS Solid Area, Painted Reflective Pavement Marking.....	5.32	
32 17 23 13-0093 EA CALTRANS Bike Lane Symbol Without Person, Painted Reflective Pavement Marking.....	39.12	
Note: Approximate overall dimensions: 4' width x 8' height.		
<i>For <10, Add</i>	4.09	
<i>For >50 To 100, Deduct</i>	-2.04	
<i>For >100 To 200, Deduct</i>	-2.73	
<i>For >200, Deduct</i>	-5.45	
32 17 23 13-0094 EA CALTRANS Bike Lane Symbol With Person, Painted Reflective Pavement Marking.....	41.44	
Note: Approximate overall dimensions: 4' width x 8' height.		
<i>For <10, Add</i>	4.32	
<i>For >50 To 100, Deduct</i>	-2.16	
<i>For >100 To 200, Deduct</i>	-2.88	
<i>For >200, Deduct</i>	-5.75	
32 17 23 13-0095 EA CALTRANS Diamond Symbol, Painted Reflective Pavement Marking.....	68.27	
<i>For <10, Add</i>	9.09	
<i>For >50 To 100, Deduct</i>	-4.54	
<i>For >100 To 200, Deduct</i>	-6.06	
<i>For >200, Deduct</i>	-12.11	
32 17 23 13-0096 EA CALTRANS International Symbol Of Accessibility (ISA) Marking, Painted Reflective Pavement Marking	138.75	
<i>For <10, Add</i>	18.40	
<i>For >50 To 100, Deduct</i>	-9.20	
<i>For >100 To 200, Deduct</i>	-12.27	
<i>For >200, Deduct</i>	-24.53	

32	Exterior Improvements
32 10	Bases, Ballasts, And Paving
32 17	Paving Specialties



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 17 23 13-0097	EA		CALTRANS Bike Loop Detector Symbol, Painted Reflective Pavement Marking.....	30.12	
			Note: Approximate overall dimensions: 4' width x 8' height.		
			For <10, Add	4.32	
			For >50 To 100, Deduct	-2.16	
			For >100 To 200, Deduct	-2.88	
			For >200, Deduct	-5.75	
32 17 23 13-0098	SF		CALTRANS Letter/Number, Painted Reflective Pavement Marking	5.39	
32 17 23 13-0099	SF		CALTRANS Symbols, Painted Reflective Pavement Marking	6.00	
			Note: Handicap, railroad, diamond, arrows, etc.		
32 17 23 13-0100 Epoxy Reflective Pavement Marking (32 17 23 13-0001)					
			Note: 15 mil thickness.		
32 17 23 13-0101	LF		Single 4" Wide Solid Line, Epoxy Reflective Pavement Striping.....	0.39	
			For 20 Mil Thickness, Add	0.11	
			For Up To 1 Mile, Add	0.08	
			For >5 Miles, Deduct	-0.06	
			For Broken Line, Deduct	-0.17	
32 17 23 13-0102	LF		Single 6" Wide Solid Line, Epoxy Reflective Pavement Striping.....	0.54	
			For 20 Mil Thickness, Add	0.15	
			For Up To 1 Mile, Add	0.11	
			For >5 Miles, Deduct	-0.08	
			For Broken Line, Deduct	-0.26	
32 17 23 13-0103	LF		Single 8" Wide Solid Line, Epoxy Reflective Pavement Striping.....	0.66	
			For 20 Mil Thickness, Add	0.19	
			For Up To 1 Mile, Add	0.13	
			For >5 Miles, Deduct	-0.10	
			For Broken Line, Deduct	-0.31	
32 17 23 13-0104	LF		Single 12" Wide Solid Line, Epoxy Reflective Pavement Striping.....	1.00	
			For 20 Mil Thickness, Add	0.29	
			For Up To 1 Mile, Add	0.20	
			For >5 Miles, Deduct	-0.15	
			For Broken Line, Deduct	-0.50	
32 17 23 13-0105	LF		Double 4" Wide Solid Lines, Epoxy Reflective Pavement Striping.....	0.61	
			For 20 Mil Thickness, Add	0.18	
			For Up To 1 Mile, Add	0.12	
			For >5 Miles, Deduct	-0.09	
			For Broken Line On One Side, Deduct	-0.17	
			For Double Broken Line, Deduct	-0.34	
32 17 23 13-0106	LF		Double 6" Wide Solid Lines, Epoxy Reflective Pavement Striping.....	0.88	
			For 20 Mil Thickness, Add	0.27	
			For Up To 1 Mile, Add	0.18	
			For >5 Miles, Deduct	-0.13	
			For Broken Line On One Side, Deduct	-0.26	
			For Double Broken Line, Deduct	-0.51	
32 17 23 13-0107	SF		Solid Area, Epoxy Reflective Pavement Marking.....	5.75	
			Note: Use task for lines >12" wide, stop bars, transverse lines, diagonal lines, crossing lanes, etc.		
			For 20 Mil Thickness, Add	0.65	
32 17 23 13-0108	EA		6" High, Letter/Number, Epoxy Reflective Pavement Marking.....	3.59	
			For 20 Mil Thickness, Add	0.33	
			For <10, Add	0.47	
			For >50 To 100, Deduct	-0.23	
			For >100 To 200, Deduct	-0.31	
			For >200, Deduct	-0.62	
32 17 23 13-0109	EA		12" High, Letter/Number, Epoxy Reflective Pavement Marking.....	6.44	
			For 20 Mil Thickness, Add	0.84	
			For <10, Add	0.70	
			For >50 To 100, Deduct	-0.35	
			For >100 To 200, Deduct	-0.47	
			For >200, Deduct	-0.94	
32 17 23 13-0110	EA		24" High, Letter/Number, Epoxy Reflective Pavement Marking.....	10.86	
			For 20 Mil Thickness, Add	1.45	
			For <10, Add	1.17	
			For >50 To 100, Deduct	-0.59	
			For >100 To 200, Deduct	-0.78	
			For >200, Deduct	-1.56	
32 17 23 13-0111	EA		36" High, Letter/Number, Epoxy Reflective Pavement Marking.....	20.98	
			For 20 Mil Thickness, Add	2.65	
			For <10, Add	2.34	
			For >50 To 100, Deduct	-1.17	
			For >100 To 200, Deduct	-1.56	
			For >200, Deduct	-3.12	
32 17 23 13-0112	EA		48" High, Letter/Number, Epoxy Reflective Pavement Marking.....	24.49	
			For 20 Mil Thickness, Add	3.30	
			For <10, Add	2.62	
			For >50 To 100, Deduct	-1.31	
			For >100 To 200, Deduct	-1.75	
			For >200, Deduct	-3.50	
32 17 23 13-0113	EA		72" High, Letter/Number, Epoxy Reflective Pavement Marking.....	43.90	
			For 20 Mil Thickness, Add	5.97	
			For <10, Add	4.67	
			For >50 To 100, Deduct	-2.33	
			For >100 To 200, Deduct	-3.11	
			For >200, Deduct	-6.22	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 17 23 13-0114 EA 96" High, Letter/Number, Epoxy Reflective Pavement Marking.....	58.62	
<i>For 20 Mil Thickness, Add</i>	7.91	
<i>For <10, Add</i>	6.27	
<i>For >50 To 100, Deduct</i>	-3.14	
<i>For >100 To 200, Deduct</i>	-4.18	
<i>For >200, Deduct</i>	-8.36	
32 17 23 13-0115 EA 120" High, Letter/Number, Epoxy Reflective Pavement Marking.....	89.33	
<i>For 20 Mil Thickness, Add</i>	15.36	
<i>For <10, Add</i>	7.77	
<i>For >50 To 100, Deduct</i>	-3.88	
<i>For >100 To 200, Deduct</i>	-5.18	
<i>For >200, Deduct</i>	-10.36	
32 17 23 13-0116 SF Letter/Number, Epoxy Reflective Pavement Marking.....	5.90	
<i>For 20 Mil Thickness, Add</i>	0.66	
32 17 23 13-0117 SF Symbols, Epoxy Reflective Pavement Marking.....	7.49	
Note: Handicap, railroad, diamond, arrows, etc.		
<i>For 20 Mil Thickness, Add</i>	0.75	
32 17 23 13-0118 Painted Pavement Striping, Letters And Symbols For Parking Areas <small>(32 17 23 13)</small>		
32 17 23 13-0119 Painted Pavement Marking For Parking Areas <small>(32 17 23 13-0118)</small>		
32 17 23 13-0120 LF Single 4" Wide Solid Line, Painted Pavement Striping For Parking Areas.....	0.83	
32 17 23 13-0121 LF Single 6" Wide Solid Line, Painted Pavement Striping For Parking Areas.....	0.90	
32 17 23 13-0122 LF Single 8" Wide Solid Line, Painted Pavement Striping For Parking Areas.....	0.96	
32 17 23 13-0123 LF Single 12" Wide Solid Line, Painted Pavement Striping For Parking Areas.....	1.07	
32 17 23 13-0124 SF Solid Area, Painted Pavement Marking For Parking Areas.....	4.69	
Note: Use task for lines >12" wide, stop bars, transverse lines, diagonal lines, crossing lanes, etc.		
32 17 23 13-0125 EA 6" High, Letter/Number, Painted Pavement Marking For Parking Areas.....	3.28	
<i>For Up To 10, Add</i>	0.45	
<i>For >50 To 100, Deduct</i>	-0.23	
<i>For >100 To 200, Deduct</i>	-0.30	
<i>For >200, Deduct</i>	-0.60	
32 17 23 13-0126 EA 12" High, Letter/Number, Painted Pavement Marking For Parking Areas.....	5.48	
<i>For Up To 10, Add</i>	0.68	
<i>For >50 To 100, Deduct</i>	-0.34	
<i>For >100 To 200, Deduct</i>	-0.45	
<i>For >200, Deduct</i>	-0.91	
32 17 23 13-0127 EA 24" High, Letter/Number, Painted Pavement Marking For Parking Areas.....	9.23	
<i>For Up To 10, Add</i>	1.14	
<i>For >50 To 100, Deduct</i>	-0.57	
<i>For >100 To 200, Deduct</i>	-0.76	
<i>For >200, Deduct</i>	-1.52	
32 17 23 13-0128 EA 36" High, Letter/Number, Painted Pavement Marking For Parking Areas.....	17.28	
<i>For Up To 10, Add</i>	2.16	
<i>For >50 To 100, Deduct</i>	-1.08	
<i>For >100 To 200, Deduct</i>	-1.44	
<i>For >200, Deduct</i>	-2.88	
32 17 23 13-0129 EA 42" High, Letter/Number, Painted Pavement Marking For Parking Areas.....	23.03	
<i>For Up To 10, Add</i>	2.95	
<i>For >50 To 100, Deduct</i>	-1.48	
<i>For >100 To 200, Deduct</i>	-1.97	
<i>For >200, Deduct</i>	-3.94	
32 17 23 13-0130 EA 48" High, Letter/Number/Arrow, Painted Pavement Marking For Parking Areas.....	28.00	
<i>For Up To 10, Add</i>	3.63	
<i>For >50 To 100, Deduct</i>	-1.82	
<i>For >100 To 200, Deduct</i>	-2.42	
<i>For >200, Deduct</i>	-4.85	
32 17 23 13-0131 EA 72" High, Letter/Number/Arrow, Painted Pavement Marking For Parking Areas.....	37.18	
<i>For Up To 10, Add</i>	4.54	
<i>For >50 To 100, Deduct</i>	-2.27	
<i>For >100 To 200, Deduct</i>	-3.03	
<i>For >200, Deduct</i>	-6.06	
32 17 23 13-0132 EA Through Lane Arrow, Painted Pavement Marking For Parking Areas.....	64.65	
Note: Approximate overall dimensions: 3-1/2' width x 10' height.		
32 17 23 13-0133 EA Turn Lane Arrow, Painted Pavement Marking For Parking Areas.....	73.14	
Note: Approximate overall dimensions: 6' width x 8' height.		
32 17 23 13-0134 EA Dual Turn Lane Arrow, Painted Pavement Marking For Parking Areas.....	102.12	
Note: Approximate overall dimensions: 11' width x 8' height.		
32 17 23 13-0135 EA Turn And Through Lane Arrow, Painted Pavement Marking For Parking Areas.....	104.08	
Note: Approximate overall dimensions: 7' width x 13' height.		
32 17 23 13-0136 EA Dual Turn And Through Lane Arrow, Painted Pavement Marking For Parking Areas.....	134.33	
Note: Approximate overall dimensions: 9' width x 15' height.		
32 17 23 13-0137 EA Handicap Symbol For Standard Parking Stalls, Painted Pavement Marking For Parking Areas.....	27.03	
Note: Approximate overall dimensions: 2-2/3' width x 3' height. White or blue symbol. Excludes striping.		
<i>For Blue Background With White Symbol, Add</i>	19.06	
<i>For Blue Background With White Symbol And Border, Add</i>	23.83	
32 17 23 13-0138 EA Handicap Symbol For Van Parking Stalls, Painted Pavement Marking For Parking Areas.....	38.60	
Note: Approximate overall dimensions: 4-1/3' width x 5' height. White or blue symbol. Excludes striping.		
<i>For Blue Background With White Symbol, Add</i>	37.95	
<i>For Blue Background With White Symbol And Border, Add</i>	47.44	
32 17 23 13-0139 Painted Curbs <small>(32 17 23 13)</small>		
Note: All colors.		

32 Exterior Improvements**32 10 Bases, Ballasts, And Paving****32 17 Paving Specialties**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 17 23 13-0140	LF		Reflective Painted Curb	2.03	
32 17 23 13-0141	LF		Reflective Painted Curb And Gutter.....	3.69	
32 17 23 13-0142	LF		Painted Curb.....	1.64	
32 17 23 13-0143	LF		Painted Curb And Gutter.....	3.25	
32 17 23 13-0144			Markings For Outdoor Play Areas, Courts <small>(32 17 23 13)</small>		
32 17 23 13-0145	LF		2" Wide Marking For Outdoor Play Areas	0.74	
32 17 23 13-0146	LF		3" Wide Marking For Outdoor Play Areas	0.84	
32 17 23 13-0147	LF		4" Wide Marking For Outdoor Play Areas	0.95	
32 17 23 13-0148	LF		6" Wide Marking For Outdoor Play Areas	1.11	
32 17 23 13-0149	EA		Paint Playground Game Lines On Asphalt Or Concrete (Hop Scotch, 4 Square, Numbers Games, Etcetera).....	255.63	
32 17 23 13-0150			Painted Pavement Cycle Lane For Roads <small>(32 17 23 13)</small>		
32 17 23 13-0151	SF		StreetBond or Ride-A-Way Pavement Coating For Cycle Lanes	3.29	
			Note: 4-layer system with green bike lane colorant		
32 17 23 19			Pedestrian Traffic Coating <small>(32 17 23)</small>		
32 17 23 19-0001			Pedestrian Traffic Coating <small>(32 17 23 19)</small>		
			Note: Gaco Western		
32 17 23 19-0002	SF		GACOCRETE A-17, Acrylic Elastomer Coating.....	2.39	
32 17 23 19-0003	SF		Silicone Enhanced A-30, Acrylic Elastomer Coating.....	2.17	
			For >2,000, Deduct	-0.16	
32 17 23 19-0004	SF		Quick Set A-31, Acrylic Elastomer Coating.....	2.07	
32 17 23 19-0005	SF		A-32, Acrylic Elastomer Coating	2.22	
			For >2,000, Deduct	-0.18	
32 17 23 19-0006	SF		Liquid Seam Tape A-3611, Acrylic Elastomer Coating	2.28	
			For >2,000, Deduct	-0.20	
32 17 23 19-0007	SF		A-38, Acrylic Elastomer Coating	2.26	
32 17 23 19-0008	SF		Acrylic Primer A-4121	1.82	
32 17 23 19-0009	SF		Two Component Epoxy Emulsion Primer Filler E-5320	2.75	
32 17 23 19-0010	SF		Two Component Epoxy Rust Inhibiting Primer E-5388	3.00	
32 17 23 19-0011	SF		Two Component 100% Solids Primer E-5481	3.17	
32 17 23 19-0012	SF		Hypalon Roof Coating H-25	2.71	
32 17 23 19-0013	SF		Neoprene Adhesive N-1207	2.30	
32 17 23 19-0014	SF		GACOSIL S-10 Silicone	2.45	
			For >2,000, Deduct	-0.26	
32 17 23 19-0015	SF		GACOSIL S-20 Silicone	2.50	
			For >2,000, Deduct	-0.28	
32 17 23 19-0016	SF		Urethane Primer/Sealer U-5677	1.89	
32 17 23 19-0017	SF		Single Component Polyurethane Coating, Ureshield Aluminum U-6006	2.34	
			For >2,000, Deduct	-0.22	
32 17 23 19-0018	SF		Two Component Polyurethane Coating U-62	3.38	
			For >2,000, Deduct	-0.38	
32 17 23 19-0019	SF		Two Component Polyurethane Coating, Liquid Applied Polyurethane Rubber U-64	3.11	
32 17 23 19-0020	SF		Two Component Polyurethane Coating U-66	3.35	
32 17 23 19-0021	SF		Two Component Polyurethane Coating U-8730	3.20	
32 17 23 19-0022	SF		Two Component Polyurethane Coating U-8782	3.17	
32 17 23 19-0023	SF		Two Component Polyurethane Aliphatic Coating UA-60.....	3.66	
32 17 23 19-0024	SF		Two Component Polyurethane Aliphatic Coating UA-7090.....	4.27	
32 17 23 19-0025	SF		Two Component Polyurethane Base Coating UB-64	3.08	
32 17 23 19-0026	SF		Two Component Polyurethane Base Coating UB-8380	3.05	
32 17 23 19-0027	SF		Etching Detergent D-09	1.91	
32 17 23 19-0028	LB		GacoShell Granules Additive To Coating.....	1.24	
32 17 23 19-0029	LB		Quartz Granules Additive To Coating	1.13	
32 17 23 19-0030	LF		4" Polyester Reinforcing Tape, 66-B	0.15	
32 17 23 19-0031	LF		6" Polyester Reinforcing Tape, 66-B	0.18	
32 17 23 19-0032	LF		4" Sontara Polyester Reinforcing Tape, 66-S	0.22	
32 17 23 19-0033	LF		6" Sontara Polyester Reinforcing Tape, 66-S	0.28	
32 17 23 19-0034	LF		2" Metal Roof Seam Sealing Tape, 66-MR	0.54	
32 17 23 19-0035	LF		3" Metal Roof Seam Sealing Tape, 66-MR	0.81	
32 17 23 19-0036	LF		4" Metal Roof Seam Sealing Tape, 66-MR	0.99	
32 17 23 19-0037	LF		6" Metal Roof Seam Sealing Tape, 66-MR	1.40	
32 17 23 19-0038	GAL		Polyurethane Coating Thinner T-5106.....	27.35	
32 17 23 19-0039	GAL		Compliant Thinner T-5110	56.98	
32 17 23 19-0040	GAL		Regular Thinner T-5112	15.95	
32 17 23 19-0041	GAL		Polyurethane Coating Thinner T-5116.....	20.51	
32 17 23 19-0042	GAL		Polyurethane Troweling Thinner T-5118.....	25.07	
32 17 23 19-0043	GAL		Compliant Thinner T-5125	27.35	
32 17 23 19-0044	GAL		Fast Polyurethane Coating Thinner T-5130	20.51	
32 17 23 19-0045	GAL		Silicone And U-62 Polyurethane Coating Thinner T-5135	20.51	
32 17 23 23			Raised Pavement Markings <small>(32 17 23)</small>		
32 17 23 23-0001			Raised Pavement Markers (RPMs) <small>(32 17 23 23)</small>		
32 17 23 23-0002	EA		One-Way Reflective, Raised Pavement Marker (RPM)	3.60	2.19
			Note: Type G, H or R		
			For >100, Deduct	-0.36	



		Exterior Improvements	32
		Bases, Ballasts, And Paving	32 10
		Paving Specialties	32 17

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 17 23 23-0003	EA		Two-Way Reflective, Raised Pavement Marker (RPM) Note: Type B, C, D, AC, RA or RR	3.77	2.19
			<i>For >100, Deduct</i>	-0.38	
32 17 23 23-0004	EA		4" Diameter, Round Reflective, Raised Pavement Marker (RPM) <i>For >100, Deduct</i>	4.48	2.19
			<i>For >100, Deduct</i>	-0.45	
32 17 23 23-0005	EA		4" Diameter, Non-Reflective, Raised Pavement Marker (RPM) Note: Type A or AY	3.38	2.19
			<i>For >100, Deduct</i>	-0.34	
32 17 23 26 Recessed Pavement Markings (32 17 23)					
32 17 23 26-0001 Recessed (Plowable) Pavement Markers (32 17 23 26)					
32 17 23 26-0002	EA		One-Way Reflective, Recessed (Plowable) Pavement Marker With Center Rail Note: Type G, H or R	41.42	
32 17 23 26-0003	EA		Two-Way Reflective, Recessed (Plowable) Pavement Marker With Center Rail Note: Type B, C, D, AC, RA or RR	41.56	
32 17 23 26-0004	EA		Removal And Replacement Of Reflector For One-Way Reflective, Recessed (Plowable) Pavement Marker	14.05	
32 17 23 26-0005	EA		Removal And Replacement Of Reflectors For Two-Way Reflective, Recessed (Plowable) Pavement Marker	18.14	
32 17 23 26-0006	EA		Remove Recessed (Plowable) Pavement Marker	2.42	
32 17 23 33 Plastic Pavement Markings (32 17 23)					
32 17 23 33-0001 Thermoplastic Pavement Striping, Letters, Symbols And Markers For Roads (32 17 23 33)					
Note: Includes primers, adhesive and glass beads where required. For broken line modifier quantity use total lane length.					
32 17 23 33-0002 Thermoplastic Reflective Pavement Marking (32 17 23 33-0001)					
Note: 90 mil thickness.					
32 17 23 33-0003	LF		Single 4" Wide Solid Line, Thermoplastic Reflective Pavement Striping <i>For Up To 1 Mile, Add</i>	0.88	
			<i>For >5 Miles, Deduct</i>	-0.13	
			<i>For 60 mils Thick, Deduct</i>	-0.12	
			<i>For 125 mils Thick, Add</i>	0.15	
			<i>For Broken Line, Deduct</i>	-0.50	
32 17 23 33-0004	LF		Single 6" Wide Solid Line, Thermoplastic Reflective Pavement Striping <i>For Up To 1 Mile, Add</i>	1.26	
			<i>For >5 Miles, Deduct</i>	-0.19	
			<i>For 60 mils Thick, Deduct</i>	-0.17	
			<i>For 125 mils Thick, Add</i>	0.22	
			<i>For Broken Line, Deduct</i>	-0.74	
32 17 23 33-0005	LF		Single 8" Wide Solid Line, Thermoplastic Reflective Pavement Striping <i>For Up To 1 Mile, Add</i>	1.66	
			<i>For >5 Miles, Deduct</i>	-0.33	
			<i>For 60 mils Thick, Deduct</i>	-0.25	
			<i>For 125 mils Thick, Add</i>	-0.23	
			<i>For Broken Line, Deduct</i>	0.30	
32 17 23 33-0006	LF		Single 12" Wide Solid Line, Thermoplastic Reflective Pavement Striping <i>For Up To 1 Mile, Add</i>	2.42	
			<i>For >5 Miles, Deduct</i>	0.48	
			<i>For 60 mils Thick, Deduct</i>	-0.36	
			<i>For 125 mils Thick, Add</i>	-0.35	
			<i>For Broken Line, Deduct</i>	0.45	
			<i>For Broken Line, Deduct</i>	-1.49	
32 17 23 33-0007	LF		Double 4" Wide Solid Lines, Thermoplastic Reflective Pavement Striping <i>For Up To 1 Mile, Add</i>	1.65	
			<i>For >5 Miles, Deduct</i>	0.33	
			<i>For 60 mils Thick, Deduct</i>	-0.25	
			<i>For 125 mils Thick, Add</i>	-0.23	
			<i>For Broken Line On One Side, Deduct</i>	0.30	
			<i>For Double Broken Line, Deduct</i>	-0.50	
			<i>For Double Broken Line, Deduct</i>	-0.99	
32 17 23 33-0008	LF		Double 6" Wide Solid Lines, Thermoplastic Reflective Pavement Striping <i>For Up To 1 Mile, Add</i>	2.42	
			<i>For >5 Miles, Deduct</i>	0.48	
			<i>For 60 mils Thick, Deduct</i>	-0.36	
			<i>For 125 mils Thick, Add</i>	-0.35	
			<i>For Broken Line On One Side, Deduct</i>	0.45	
			<i>For Double Broken Line, Deduct</i>	-0.74	
			<i>For Double Broken Line, Deduct</i>	-1.49	
32 17 23 33-0009	SF		Solid Area, Thermoplastic Reflective Pavement Marking Note: Use task for lines >12" wide, stop bars, transverse lines, diagonal lines, crossing lanes, etc.	6.51	
			<i>For 60 mils Thick, Deduct</i>	-0.34	
			<i>For 125 mils Thick, Add</i>	0.44	
32 17 23 33-0010	EA		6" High, Letter/Number, Thermoplastic Reflective Pavement Marking <i>For Up To 10, Add</i>	4.41	
			<i>For >50 To 100, Deduct</i>	0.51	
			<i>For >100 To 200, Deduct</i>	-0.26	
			<i>For >200, Deduct</i>	-0.34	
			<i>For 60 mils Thick, Deduct</i>	-0.68	
			<i>For 125 mils Thick, Add</i>	-0.18	
			<i>For 125 mils Thick, Add</i>	0.23	

32 Exterior Improvements
32 10 Bases, Ballasts, And Paving
32 17 Paving Specialties



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 17 23 33-0011 EA 12" High, Letter/Number, Thermoplastic Reflective Pavement Marking	8.77	
For Up To 10, Add	0.77	
For >50 To 100, Deduct	-0.39	
For >100 To 200, Deduct	-0.52	
For >200, Deduct	-1.03	
For 60 mils Thick, Deduct	-0.63	
For 125 mils Thick, Add	0.81	
32 17 23 33-0012 EA 24" High, Letter/Number, Thermoplastic Reflective Pavement Marking	14.90	
For Up To 10, Add	1.28	
For >50 To 100, Deduct	-0.64	
For >100 To 200, Deduct	-0.86	
For >200, Deduct	-1.71	
For 60 mils Thick, Deduct	-1.11	
For 125 mils Thick, Add	1.43	
32 17 23 33-0013 EA 36" High, Letter/Number, Thermoplastic Reflective Pavement Marking	28.33	
For Up To 10, Add	2.58	
For >50 To 100, Deduct	-1.29	
For >100 To 200, Deduct	-1.72	
For >200, Deduct	-3.44	
For 60 mils Thick, Deduct	-1.95	
For 125 mils Thick, Add	2.51	
32 17 23 33-0014 EA 48" High, Letter/Number, Thermoplastic Reflective Pavement Marking	33.73	
For Up To 10, Add	2.89	
For >50 To 100, Deduct	-1.44	
For >100 To 200, Deduct	-1.92	
For >200, Deduct	-3.85	
For 60 mils Thick, Deduct	-2.54	
For 125 mils Thick, Add	3.26	
32 17 23 33-0015 EA 72" High, Letter/Number, Thermoplastic Reflective Pavement Marking	60.70	
For Up To 10, Add	5.13	
For >50 To 100, Deduct	-2.57	
For >100 To 200, Deduct	-3.42	
For >200, Deduct	-6.85	
For 60 mils Thick, Deduct	-4.63	
For 125 mils Thick, Add	5.96	
32 17 23 33-0016 EA 96" High, Letter/Number, Thermoplastic Reflective Pavement Marking	80.79	
For Up To 10, Add	6.89	
For >50 To 100, Deduct	-3.45	
For >100 To 200, Deduct	-4.60	
For >200, Deduct	-9.19	
For 60 mils Thick, Deduct	-6.10	
For 125 mils Thick, Add	7.84	
32 17 23 33-0017 EA 120" High, Letter/Number, Thermoplastic Reflective Pavement Marking.....	134.68	
For Up To 10, Add	8.54	
For >50 To 100, Deduct	-4.27	
For >100 To 200, Deduct	-5.69	
For >200, Deduct	-11.39	
For 60 mils Thick, Deduct	-13.60	
For 125 mils Thick, Add	17.49	
32 17 23 33-0018 SF Letter/Number, Thermoplastic Reflective Pavement Marking	7.66	
For 60 mils Thick, Deduct	-0.44	
For 125 mils Thick, Add	0.56	
32 17 23 33-0019 SY Cross Hatch, Thermoplastic Reflective Pavement Marking	51.82	
For 60 mils Thick, Deduct	-3.11	
For 125 mils Thick, Add	3.99	
32 17 23 33-0020 EA Handicap Symbol, Thermoplastic Reflective Pavement Marking.....	202.23	
For 60 mils Thick, Deduct	-10.09	
For 125 mils Thick, Add	12.98	
32 17 23 33-0021 SY Solid Area, Thermoplastic Reflective Pavement Marking	63.79	
For 60 mils Thick, Deduct	-3.11	
For 125 mils Thick, Add	3.99	
32 17 23 33-0022 EA Railroad Symbol, Thermoplastic Reflective Pavement Marking.....	599.59	
For 60 mils Thick, Deduct	-30.72	
For 125 mils Thick, Add	39.50	
32 17 23 33-0023 EA Bike Lane Symbol, Thermoplastic Reflective Pavement Marking	109.75	
Note: Approximate overall dimensions: 4' width x 8' height.		
For 60 mils Thick, Deduct	-13.91	
For 125 mils Thick, Add	17.88	
32 17 23 33-0024 EA Diamond Symbol, Thermoplastic Reflective Pavement Marking.....	96.72	
For 60 mils Thick, Deduct	-4.83	
For 125 mils Thick, Add	6.21	
32 17 23 33-0025 SF Symbols, Thermoplastic Reflective Pavement Marking	8.79	
Note: Handicap, railroad, diamond, arrows, etc.		
For 60 mils Thick, Deduct	-0.44	
For 125 mils Thick, Add	0.56	
32 17 23 33-0026 EA 10' Arrow, Type I, Thermoplastic Reflective Pavement Marking.....	123.10	
For 60 mils Thick, Deduct	-6.14	
For 125 mils Thick, Add	7.90	
32 17 23 33-0027 EA 18' Arrow, Type I, Thermoplastic Reflective Pavement Marking.....	219.82	
For 60 mils Thick, Deduct	-10.97	
For 125 mils Thick, Add	14.11	
32 17 23 33-0028 EA 24' Arrow, Type I, Thermoplastic Reflective Pavement Marking.....	272.57	
For 60 mils Thick, Deduct	-13.60	
For 125 mils Thick, Add	17.49	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 17 23 33-0029 EA 24' Arrow With Single (L or R) Turn Arrow, Type II, Thermoplastic Reflective Pavement Marking.....	395.67	
<i>For 60 mils Thick, Deduct</i>	-19.75	
<i>For 125 mils Thick, Add</i>	25.39	
32 17 23 33-0030 EA 24' Arrow With Both (L and R) Turn Arrows, Type II, Thermoplastic Reflective Pavement Marking.....	518.77	
<i>For 60 mils Thick, Deduct</i>	-25.89	
<i>For 125 mils Thick, Add</i>	33.29	
32 17 23 33-0031 EA 24' Arrow Single (L or R) Turn Arrow, Type III, Thermoplastic Reflective Pavement Marking.....	369.30	
<i>For 60 mils Thick, Deduct</i>	-18.43	
<i>For 125 mils Thick, Add</i>	23.70	
32 17 23 33-0032 EA 24' Arrow Both (L and R) Turn Arrows, Type III, Thermoplastic Reflective Pavement Marking.....	641.87	
<i>For 60 mils Thick, Deduct</i>	-32.04	
<i>For 125 mils Thick, Add</i>	41.19	
32 17 23 33-0033 EA 8' Turn Arrow (L or R), Type IV, Thermoplastic Reflective Pavement Marking.....	131.89	
<i>For 60 mils Thick, Deduct</i>	-6.58	
<i>For 125 mils Thick, Add</i>	8.46	
32 17 23 33-0034 EA 24' Arrow, Type V, Thermoplastic Reflective Pavement Marking.....	290.16	
<i>For 60 mils Thick, Deduct</i>	-14.48	
<i>For 125 mils Thick, Add</i>	18.62	
32 17 23 33-0035 EA 18' Arrow, Type VI, Thermoplastic Reflective Pavement Marking.....	369.30	
<i>For 60 mils Thick, Deduct</i>	-18.43	
<i>For 125 mils Thick, Add</i>	23.70	
32 17 23 33-0036 EA 13' Arrow With Single (L or R) Turn Arrow, Type VII, Thermoplastic Reflective Pavement Marking.....	237.41	
<i>For 60 mils Thick, Deduct</i>	-11.85	
<i>For 125 mils Thick, Add</i>	15.23	
32 17 23 33-0037 EA 15' Arrow With Both (L and R) Turn Arrows, Type VIII, Thermoplastic Reflective Pavement Marking.....	316.53	
<i>For 60 mils Thick, Deduct</i>	-15.80	
<i>For 125 mils Thick, Add</i>	20.31	
32 17 23 33-0038 EA 5' Arrow, Bike Lane, Thermoplastic Reflective Pavement Marking.....	61.55	
<i>For 60 mils Thick, Deduct</i>	-3.07	
<i>For 125 mils Thick, Add</i>	3.95	
32 17 23 33-0039 Thermoplastic Reflective Pavement Striping By Hand For Repairs <small>(32 17 23 33-0001)</small>		
32 17 23 33-0040 LF Single 4" Wide Solid Line, Thermoplastic Reflective Pavement Striping By Hand For Repairs.....	2.26	
<i>For 60 mils Thick, Deduct</i>	-0.12	
<i>For 125 mils Thick, Add</i>	0.15	
32 17 23 33-0041 LF Single 6" Wide Solid Line, Thermoplastic Reflective Pavement Striping By Hand For Repairs.....	2.81	
<i>For 60 mils Thick, Deduct</i>	-0.17	
<i>For 125 mils Thick, Add</i>	0.22	
32 17 23 33-0042 LF Single 8" Wide Solid Line, Thermoplastic Reflective Pavement Striping By Hand For Repairs.....	3.44	
<i>For 60 mils Thick, Deduct</i>	-0.23	
<i>For 125 mils Thick, Add</i>	0.30	
32 17 23 33-0043 LF Single 12" Wide Solid Line, Thermoplastic Reflective Pavement Striping By Hand For Repairs.....	4.92	
<i>For 60 mils Thick, Deduct</i>	-0.35	
<i>For 125 mils Thick, Add</i>	0.45	
32 17 23 33-0044 LF Single 24" Wide Solid Line, Thermoplastic Reflective Pavement Striping By Hand For Repairs.....	8.75	
<i>For 60 mils Thick, Deduct</i>	-0.69	
<i>For 125 mils Thick, Add</i>	0.89	
32 17 23 33-0045 Preformed, Patterned Reflective Pavement Marking Tape <small>(32 17 23 33-0001)</small>		
<small>Note: Applied with pressure sensitive adhesive. Includes adhesive. 60 mil thickness. (3M Stamark 380 Series).</small>		
32 17 23 33-0046 LF Single 4" Wide Solid Line, Preformed Tape, Patterned Thermoplastic Reflective Pavement Striping.....	1.85	
<i>For Up To 1 Mile, Add</i>	0.37	
<i>For >5 Miles, Deduct</i>	-0.28	
32 17 23 33-0047 LF Single 6" Wide Solid Line, Preformed Tape, Patterned Thermoplastic Reflective Pavement Striping.....	2.73	
<i>For Up To 1 Mile, Add</i>	0.55	
<i>For >5 Miles, Deduct</i>	-0.41	
32 17 23 33-0048 LF Single 8" Wide Solid Line, Preformed Tape, Patterned Thermoplastic Reflective Pavement Striping.....	3.62	
<i>For Up To 1 Mile, Add</i>	0.72	
<i>For >5 Miles, Deduct</i>	-0.54	
32 17 23 33-0049 LF Single 12" Wide Solid Line, Preformed Tape, Patterned Thermoplastic Reflective Pavement Striping.....	5.36	
<i>For Up To 1 Mile, Add</i>	1.07	
<i>For >5 Miles, Deduct</i>	-0.80	
32 17 23 33-0050 SF Preformed Solid Area, Patterned Thermoplastic Reflective Pavement Marking Tape.....	15.82	
<small>Note: Use task for lines >12" wide, stop bars, transverse lines, diagonal lines, crossing lanes, etc.</small>		
32 17 23 33-0051 EA 6" High, Preformed Letter/Number, Patterned Thermoplastic Reflective Pavement Marking Tape.....	23.37	
<i>For <10, Add</i>	0.93	
<i>For >50 To 100, Deduct</i>	-0.47	
<i>For >100 To 200, Deduct</i>	-0.62	
<i>For >200, Deduct</i>	-1.24	
32 17 23 33-0052 EA 12" High, Preformed Letter/Number, Patterned Thermoplastic Reflective Pavement Marking Tape.....	40.55	
<i>For <10, Add</i>	1.18	
<i>For >50 To 100, Deduct</i>	-0.59	
<i>For >100 To 200, Deduct</i>	-0.79	
<i>For >200, Deduct</i>	-1.58	
32 17 23 33-0053 EA 24" High, Preformed Letter/Number, Patterned Thermoplastic Reflective Pavement Marking Tape.....	70.14	
<i>For <10, Add</i>	2.34	
<i>For >50 To 100, Deduct</i>	-1.17	
<i>For >100 To 200, Deduct</i>	-1.56	
<i>For >200, Deduct</i>	-3.12	

32	Exterior Improvements
32 10	Bases, Ballasts, And Paving
32 17	Paving Specialties



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 17 23 33-0054 EA 36" High, Preformed Letter/Number, Patterned Thermoplastic Reflective Pavement Marking Tape	103.29	
For <10, Add	4.68	
For >50 To 100, Deduct	-2.34	
For >100 To 200, Deduct	-3.12	
For >200, Deduct	-6.24	
32 17 23 33-0055 EA 48" High, Preformed Letter/Number, Patterned Thermoplastic Reflective Pavement Marking Tape	120.70	
For <10, Add	5.25	
For >50 To 100, Deduct	-2.62	
For >100 To 200, Deduct	-3.50	
For >200, Deduct	-7.00	
32 17 23 33-0056 EA 72" High, Preformed Letter/Number, Patterned Thermoplastic Reflective Pavement Marking Tape	158.58	
For <10, Add	9.34	
For >50 To 100, Deduct	-4.67	
For >100 To 200, Deduct	-6.22	
For >200, Deduct	-12.45	
32 17 23 33-0057 EA 96" High, Preformed Letter/Number, Patterned Thermoplastic Reflective Pavement Marking Tape	203.19	
For <10, Add	12.54	
For >50 To 100, Deduct	-6.27	
For >100 To 200, Deduct	-8.36	
For >200, Deduct	-16.72	
32 17 23 33-0058 EA 120" High, Preformed Letter/Number, Patterned Thermoplastic Reflective Pavement Marking Tape	254.41	
For <10, Add	15.54	
For >50 To 100, Deduct	-7.77	
For >100 To 200, Deduct	-10.36	
For >200, Deduct	-20.72	
32 17 23 33-0059 SF Preformed Arrow, Patterned Thermoplastic Reflective Pavement Marking Tape	16.43	
32 17 23 33-0060 SF Preformed Symbol, Patterned Thermoplastic Reflective Pavement Marking Tape.....	17.56	
Note: Handicap, railroad, diamond symbol, etc.		
32 17 23 33-0061 Preformed, Thermoplastic Reflective Pavement Marking <small>(32 17 23 33-0001)</small>		
Note: Heat applied. (Flint PreMark or HotTape Series).		
32 17 23 33-0062 EA Preformed Bike Lane Symbol, 90 Mil Thick, Thermoplastic Reflective Pavement Marking Tape	115.58	
Note: Approximate overall dimensions: 4' width x 8' height.		
32 17 23 33-0063 EA Preformed Railroad Crossing Symbol, 125 Mil Thick, Thermoplastic Reflective Pavement Marking Tape.....	303.44	
Note: Approximate overall dimensions: 8' width x 20' height. Excludes transverse lines.		
32 17 23 33-0064 EA Preformed Preferential Lane Symbol (Diamond), 125 Mil Thick, Thermoplastic Reflective Pavement Marking Tape	74.61	
Note: Approximate overall dimensions: 3-1/4' width x 13' height.		
32 17 23 33-0065 EA 6' Height, Preformed Through Lane Arrow, 90 Mil Thick, Thermoplastic Reflective Pavement Marking Tape.....	69.07	
Note: Approximate overall dimensions: 2' width x 6' height.		
32 17 23 33-0066 EA 9-1/2' Height, Preformed Through Lane Arrow, 90 Mil Thick, Thermoplastic Reflective Pavement Marking Tape	110.86	
Note: Approximate overall dimensions: 3-1/4' width x 9-1/2' height.		
32 17 23 33-0067 EA 4' Height, Preformed Turn Lane Arrow, 90 Mil Thick, Thermoplastic Reflective Pavement Marking Tape.....	75.44	
Note: Approximate overall dimensions: 3' width x 4' height.		
32 17 23 33-0068 EA 8' Height, Preformed Turn Lane Arrow, 90 Mil Thick, Thermoplastic Reflective Pavement Marking Tape.....	120.24	
Note: Approximate overall dimensions: 6' width x 8' height.		
32 17 23 33-0069 EA Preformed Turn And Through Lane Arrow, 90 Mil Thick, Thermoplastic Reflective Pavement Marking Tape.....	187.52	
Note: Approximate overall dimensions: 7-1/4' width x 12-3/4' height.		
32 17 23 33-0070 EA Preformed Dual Turn And Through Lane Arrow, 90 Mil Thick, Thermoplastic Reflective Pavement Marking Tape	268.19	
Note: Approximate overall dimensions: 11-1/4' width x 13-1/4' height.		
32 17 23 33-0071 EA Preformed Elongated Through Lane Arrow, 90 Mil Thick, Thermoplastic Reflective Pavement Marking Tape	118.28	
Note: Approximate overall dimensions: 1-2/3' width x 12' height.		
32 17 23 33-0072 EA Preformed Elongated Turn Lane Arrow, 90 Mil Thick, Thermoplastic Reflective Pavement Marking Tape	127.66	
Note: Approximate overall dimensions: 3' width x 12' height.		
32 17 23 33-0073 EA Preformed Elongated Dual Turn Lane Arrow, 90 Mil Thick, Thermoplastic Reflective Pavement Marking Tape	209.89	
Note: Approximate overall dimensions: 5-1/2' width x 12' height.		
32 17 23 33-0074 EA Preformed Elongated Turn And Through Lane Arrow, 90 Mil Thick, Thermoplastic Reflective Pavement Marking Tape	195.86	
Note: Approximate overall dimensions: 3-1/2' width x 20' height.		
32 17 23 33-0075 EA Preformed Elongated Dual Turn And Through Lane Arrow, 90 Mil Thick, Thermoplastic Reflective Pavement Marking Tape.....	198.12	
Note: Approximate overall dimensions: 5-1/2' width x 20' height.		
32 17 23 33-0076 EA Preformed Lane-Reduction Arrow, 90 Mil Thick, Thermoplastic Reflective Pavement Marking Tape.....	254.40	
Note: Approximate overall dimensions: 5-1/2' width x 18' height.		
32 17 23 33-0077 EA 4' x 7' Preformed Bike Symbol Panel, 90 Mil Thick, Thermoplastic Reflective Pavement Marking	152.68	
Note: Lightgreen or black background color with white symbol.		
32 17 23 33-0078 EA 4' x 10' Preformed Shared Bike Lane Symbol Panel, 90 Mil Thick, Thermoplastic Reflective Pavement Marking.....	216.49	
Note: Lightgreen or black background color with white symbol.		
32 17 23 33-0079 EA 4' x 20' Preformed Bike Symbol Panel, 90 Mil Thick, Thermoplastic Reflective Pavement Marking	432.97	
Note: Lightgreen background color with white symbol.		
32 17 23 33-0080 Thermoplastic Pavement Striping, Letters And Symbols For Parking Areas		
<small>(32 17 23 33)</small>		
32 17 23 33-0081 Thermoplastic Pavement Marking Tape For Parking Areas <small>(32 17 23 33-0060)</small>		
Note: Heat applied. (Flint PreMark Series).		
32 17 23 33-0082 EA 28" Handicap Symbol For Standard Parking Stalls, 90 Mil Thick, Thermoplastic Pavement Marking Tape For Parking Areas	45.53	
Note: White or blue symbol. Excludes striping.		
32 17 23 33-0083 EA 39" Handicap Symbol For Standard Parking Stalls, 90 Mil Thick, Thermoplastic Pavement Marking Tape For Parking Areas	136.40	
Note: Approximate overall dimensions: 2-2/3' width x 3' height. White or blue symbol. Excludes striping.		
32 17 23 33-0084 EA 40" x 40" Handicap Symbol For Van Parking Stalls, 90 Mil Thick, Thermoplastic Pavement Marking Tape For Parking Areas	84.18	
Note: White symbol on blue background. Excludes striping.		



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MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 17 23 33-0085	EA		45" x 45" Handicap Symbol For Van Parking Stalls, 90 Mil Thick, Thermoplastic Pavement Marking Tape For Parking Areas.....	98.91	
			Note: White symbol on blue background. Excludes striping.		
32 17 23 33-0086	EA		48" x 48" Handicap Symbol For Van Parking Stalls, 90 Mil Thick, Thermoplastic Pavement Marking Tape For Parking Areas.....	103.30	
			Note: White symbol on blue background. Excludes striping.		
32 17 26 Tactile Warning Surfaces (32 17)					
32 17 26 00-0001 Vitrified Polymer Composite (VPC); (Armor Tile) (32 17 26)					
			Note: Truncated dome, raised strips or directional bars. All colors.		
32 17 26 00-0002	SF		Surface Applied VPC Truncated Dome Detectable Warning Surface.....	53.36	7.33
			Note: Includes surface preparation, adhesive, fasteners and sealant at perimeter. Also raised strips or directional bars. All colors.		
32 17 26 00-0003	SF		Cast In Place VPC Truncated Dome Detectable Warning Surface.....	43.84	7.33
			Note: Also raised strips or directional bars. All colors.		
32 17 26 00-0004 Fiber-Reinforced, Polymermodified Cement And Coated With Acrylic Resin Emulsion (SatetyStep TD) (32 17 26)					
			Note: Pre-molded tactile dome sheet. All colors.		
32 17 26 00-0005	SF		Up To 15 SF, Surface Applied Pre-Molded Tactile Warning Mat (SSTD-MAT).....	47.91	7.33
			Note: Includes surface preparation, SSTD-589 adhesive, SSTD-100 top coat sealer and SSTD-1250 finish . All colors. 2' or 3' width.		
32 17 26 00-0006	SF		>15 To 36 SF, Surface Applied Pre-Molded Tactile Warning Mat (SSTD-MAT).....	41.32	7.33
			Note: Includes surface preparation, SSTD-589 adhesive, SSTD-100 top coat sealer and SSTD-1250 finish . All colors. 2' or 3' width.		
32 18 Athletic And Recreational Surfacing (32 18)					
32 18 16 Synthetic Resilient Surfacing (32 18)					
32 18 16 13 Playground Protective Surfacing (32 18 16)					
32 18 16 13-0001 Tile Playground Surface Material (32 18 16 13)					
			Note: Black. With or without channel bottom. Includes transition section and curbs. Excludes sub base.		
32 18 16 13-0002	SF		1-3/4" Thick, Resilient Rubber Tile.....	12.74	1.97
			For Manufacturer's Standard Colors, Add	0.61	
			For Interlocking Tiles, Add	1.37	
			For Mechanically Fastened, Add	1.58	
			For Ethylene Propylene Diene Monomer (EPDM) Top Wearing Surface, Add	1.50	
32 18 16 13-0003	SF		2" Thick, Resilient Rubber Tile.....	13.11	2.09
			For Manufacturer's Standard Colors, Add	0.61	
			For Interlocking Tiles, Add	1.37	
			For Mechanically Fastened, Add	1.66	
			For Ethylene Propylene Diene Monomer (EPDM) Top Wearing Surface, Add	1.50	
32 18 16 13-0004	SF		2-1/4" Thick, Resilient Rubber Tile.....	13.85	2.33
			For Manufacturer's Standard Colors, Add	0.61	
			For Interlocking Tiles, Add	1.37	
			For Mechanically Fastened, Add	1.80	
			For Ethylene Propylene Diene Monomer (EPDM) Top Wearing Surface, Add	1.50	
32 18 16 13-0005	SF		2-1/2" Thick, Resilient Rubber Tile.....	14.58	2.58
			For Manufacturer's Standard Colors, Add	0.61	
			For Interlocking Tiles, Add	1.37	
			For Mechanically Fastened, Add	1.95	
			For Ethylene Propylene Diene Monomer (EPDM) Top Wearing Surface, Add	1.50	
32 18 16 13-0006	SF		2-3/4" Thick, Resilient Rubber Tile.....	16.21	2.83
			For Manufacturer's Standard Colors, Add	0.46	
			For Interlocking Tiles, Add	1.54	
			For Mechanically Fastened, Add	2.10	
			For Ethylene Propylene Diene Monomer (EPDM) Top Wearing Surface, Add	1.50	
32 18 16 13-0007	SF		3" Thick, Resilient Rubber Tile.....	17.02	3.10
			For Manufacturer's Standard Colors, Add	0.46	
			For Interlocking Tiles, Add	1.54	
			For Mechanically Fastened, Add	2.26	
			For Ethylene Propylene Diene Monomer (EPDM) Top Wearing Surface, Add	1.50	
32 18 16 13-0008	SF		3-1/4" Thick, Resilient Rubber Tile.....	17.88	3.38
			For Manufacturer's Standard Colors, Add	0.46	
			For Interlocking Tiles, Add	1.54	
			For Mechanically Fastened, Add	2.43	
			For Ethylene Propylene Diene Monomer (EPDM) Top Wearing Surface, Add	1.50	
32 18 16 13-0009	SF		3-1/2" Thick, Resilient Rubber Tile.....	19.54	3.62
			For Manufacturer's Standard Colors, Add	0.26	
			For Interlocking Tiles, Add	1.72	
			For Mechanically Fastened, Add	2.59	
			For Ethylene Propylene Diene Monomer (EPDM) Top Wearing Surface, Add	1.50	
32 18 16 13-0010	SF		3-3/4" Thick, Resilient Rubber Tile.....	20.28	3.92
			For Manufacturer's Standard Colors, Add	0.26	
			For Interlocking Tiles, Add	1.72	
			For Mechanically Fastened, Add	2.73	
			For Ethylene Propylene Diene Monomer (EPDM) Top Wearing Surface, Add	1.50	

32 Exterior Improvements**32 10 Bases, Ballasts, And Paving****32 18 Athletic And Recreational Surfacing**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 18 16 13-0011 SF 4" Thick, Resilient Rubber Tile.....	21.09	4.13
For Manufacturer's Standard Colors, Add	0.26	
For Interlocking Tiles, Add	1.72	
For Mechanically Fastened, Add	2.90	
For Ethylene Propylene Diene Monomer (EPDM) Top Wearing Surface, Add	1.50	
32 18 16 13-0012 SF 4-1/2" Thick, Resilient Rubber Tile.....	24.12	4.66
For Manufacturer's Standard Colors, Add	0.25	
For Interlocking Tiles, Add	2.02	
For Mechanically Fastened, Add	3.21	
For Ethylene Propylene Diene Monomer (EPDM) Top Wearing Surface, Add	1.50	
32 18 16 13-0013 Loose Laid Playground Surface Material (32 18 16 13)		
Note: Excludes sub base.		
32 18 16 13-0014 SF 3" Loose Laid Wood Fiber Safety Surface	1.28	0.30
32 18 16 13-0015 SF 6" Loose Laid Wood Fiber Safety Surface	1.67	0.37
32 18 16 13-0016 SF 9" Loose Laid Wood Fiber Safety Surface	2.10	0.44
32 18 16 13-0017 SF 12" Loose Laid Wood Fiber Safety Surface	2.97	0.67
32 18 16 13-0018 SF 3" Loose Laid Synthetic Fiber Safety Surface.....	1.79	0.30
32 18 16 13-0019 SF 6" Loose Laid Synthetic Fiber Safety Surface.....	2.20	0.37
32 18 16 13-0020 SF 9" Loose Laid Synthetic Fiber Safety Surface.....	3.26	0.44
32 18 16 13-0021 SF 12" Loose Laid Synthetic Fiber Safety Surface.....	4.15	0.67
32 18 16 13-0022 SF 8" FIBAR System.....	9.49	1.11
Note: Includes drainage system on 6" centers, felt, edge railing and 8" wood fiber.		
32 18 16 13-0023 SF 12" FIBAR System	12.04	1.48
Note: Includes drainage system on 6" centers, felt, edge railing and 12" wood fiber.		
32 18 16 13-0024 Poured In Place Playground Surfacing (32 18 16 13)		
Note: Includes SBR base mat, 100% color ethylene propylene diene monomer (EPDM) top surface and 5 year warranty. Includes primer for base mat and top surface. Includes all colors. Excludes base preparation.		
32 18 16 13-0025 SF Up To 4' Critical Fall Height (1-3/4") Poured In Place Rubber Playground Surfacing	11.20	2.13
For Up To 2,000, Add	2.71	
For >2,000 To 3,000, Add	1.90	
For >3,000 To 4,000, Add	1.29	
For >4,000 To 5,000, Add	0.82	
For >5,000 To 7,000, Add	0.34	
For Aliphatic (Non Yellowing) Binder, Add	2.14	
For Each 10% Of Area In Black Instead Of Color, Deduct	-0.27	
32 18 16 13-0026 SF 5' Critical Fall Height (2") Poured In Place Rubber Playground Surfacing	11.55	2.36
For Up To 2,000, Add	2.80	
For >2,000 To 3,000, Add	1.96	
For >3,000 To 4,000, Add	1.33	
For >4,000 To 5,000, Add	0.84	
For >5,000 To 7,000, Add	0.35	
For Aliphatic (Non Yellowing) Binder, Add	2.14	
For Each 10% Of Area In Black Instead Of Color, Deduct	-0.27	
32 18 16 13-0027 SF 6' Critical Fall Height (2-1/2") Poured In Place Rubber Playground Surfacing	12.47	2.70
For Up To 2,000, Add	3.02	
For >2,000 To 3,000, Add	2.11	
For >3,000 To 4,000, Add	1.43	
For >4,000 To 5,000, Add	0.91	
For >5,000 To 7,000, Add	0.37	
For Aliphatic (Non Yellowing) Binder, Add	2.14	
For Each 10% Of Area In Black Instead Of Color, Deduct	-0.27	
32 18 16 13-0028 SF 7' Critical Fall Height (3") Poured In Place Rubber Playground Surfacing	13.47	2.88
For Up To 2,000, Add	3.26	
For >2,000 To 3,000, Add	2.28	
For >3,000 To 4,000, Add	1.55	
For >4,000 To 5,000, Add	0.98	
For >5,000 To 7,000, Add	0.40	
For Aliphatic (Non Yellowing) Binder, Add	2.14	
For Each 10% Of Area In Black Instead Of Color, Deduct	-0.27	
32 18 16 13-0029 SF 8' Critical Fall Height (3-1/2") Poured In Place Rubber Playground Surfacing	14.47	3.02
For Up To 2,000, Add	3.51	
For >2,000 To 3,000, Add	2.45	
For >3,000 To 4,000, Add	1.66	
For >4,000 To 5,000, Add	1.06	
For >5,000 To 7,000, Add	0.43	
For Aliphatic (Non Yellowing) Binder, Add	2.14	
For Each 10% Of Area In Black Instead Of Color, Deduct	-0.27	
32 18 16 13-0030 SF 9' Critical Fall Height (4") Poured In Place Rubber Playground Surfacing	15.32	3.19
For Up To 2,000, Add	3.71	
For >2,000 To 3,000, Add	2.60	
For >3,000 To 4,000, Add	1.76	
For >4,000 To 5,000, Add	1.12	
For >5,000 To 7,000, Add	0.46	
For Aliphatic (Non Yellowing) Binder, Add	2.14	
For Each 10% Of Area In Black Instead Of Color, Deduct	-0.27	



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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 18 16 13-0031 SF 10' Critical Fall Height (4-1/2") Poured In Place Rubber Playground Surfacing.....	15.82	3.37
For Up To 2,000, Add	3.93	
For >2,000 To 3,000, Add	2.75	
For >3,000 To 4,000, Add	1.86	
For >4,000 To 5,000, Add	1.18	
For >5,000 To 7,000, Add	0.48	
For Aliphatic (Non Yellowing) Binder, Add	2.14	
For Each 10% Of Area In Black Instead Of Color, Deduct	-0.27	
32 18 16 13-0032 SF 12' Critical Fall Height (5-1/2") Poured In Place Rubber Playground Surfacing.....	18.30	3.78
For Up To 2,000, Add	4.43	
For >2,000 To 3,000, Add	3.10	
For >3,000 To 4,000, Add	2.10	
For >4,000 To 5,000, Add	1.34	
For >5,000 To 7,000, Add	0.55	
For Aliphatic (Non Yellowing) Binder, Add	2.14	
For Each 10% Of Area In Black Instead Of Color, Deduct	-0.27	
32 18 16 13-0033 SF Top Only (1/2") Poured In Place Playground Surfacing.....	7.32	
Note: Not used with new surfacing system tasks.		
For Up To 2,000, Add	2.73	
For >2,000 To 3,000, Add	1.75	
For >3,000 To 4,000, Add	1.06	
For >4,000 To 5,000, Add	0.64	
For >5,000 To 7,000, Add	0.28	
For Aliphatic (Non Yellowing) Binder, Add	2.14	
For Each 10% Of Area In Black Instead Of Color, Deduct	-0.27	
32 18 16 13-0034 EA Simple Graphics Including Hopscotch, Four Square Or Geometric Shapes (5 Per 1,000 SF) For Poured In Place Playground Surfacing	2,096.69	

32 18 23 Athletic Surfacing (32 18)

32 18 23 29 Synthetic Field Sport Surfacing (32 18 23)

32 18 23 29-0001 Synthetic Field Sport Surfacing (32 18 23 29)		
32 18 23 29-0002 Synthetic Turf (AstroTurf) (32 18 23 29-0001)		
Note: Includes labor, equipment and material required to install the task.		
32 18 23 29-0003 Tufted Monofilament Polyethylene Synthetic Turf (AstroTurf® GameDay Grass™ MT) (32 18 23 29-0002)		
32 18 23 29-0004 38 Oz/SY Face Weight, Tufted Monofilament Polyethylene Synthetic Turf (AstroTurf® GameDay Grass™ MT 38) (32 18 23 29-0003)		
32 18 23 29-0005 SF 38 Oz/SY Face Weight, Tufted Monofilament Polyethylene Synthetic Turf With Ambient Rubber Infill (AstroTurf® GameDay Grass™ MT 38)	3.88	
For Ambient Rubber And Sand Infill, Add	0.10	
For Cryo Rubber Infill, Add	0.26	
For Ethylene Propylene Diene Monomer (EPDM) Rubber Infill, Add	0.31	
For Cryo Rubber And Sand Infill, Add	0.36	
32 18 23 29-0006 EA Football Markings For AstroTurf® GameDay Grass™ MT 38 Fields	13,725.94	
32 18 23 29-0007 EA Baseball Markings For AstroTurf® GameDay Grass™ MT 38 Fields	11,187.94	
32 18 23 29-0008 EA Soccer, Lacrosse, Softball Or Field Hockey Markings For AstroTurf® GameDay Grass™ MT 38 Fields.....	3,366.74	
Note: Per sport.		
32 18 23 29-0009 EA Endzone Lettering For AstroTurf® GameDay Grass™ MT 38 Fields	1,243.10	
Note: Per letter. Excludes outline.		
32 18 23 29-0010 EA Colored Endzone For AstroTurf® GameDay Grass™ MT 38 Fields.....	1,191.31	
Note: Per endzone.		
32 18 23 29-0011 EA Simple Logo For AstroTurf® GameDay Grass™ MT 38 Fields	10,359.20	
Note: Block letter.		
32 18 23 29-0012 EA Deluxe Logo For AstroTurf® GameDay Grass™ MT 38 Fields	15,020.84	
Note: Graphic.		
32 18 23 29-0013 41 Oz/SY Face Weight, Tufted Monofilament Polyethylene Synthetic Turf (AstroTurf® GameDay Grass™ MT 41) (32 18 23 29-0003)		
32 18 23 29-0014 SF 41 Oz/SY Face Weight, Tufted Monofilament Polyethylene Synthetic Turf With Ambient Rubber Infill (AstroTurf® GameDay Grass™ MT 41)	4.42	
For Ambient Rubber And Sand Infill, Add	0.10	
For Cryo Rubber Infill, Add	0.26	
For Ethylene Propylene Diene Monomer (EPDM) Rubber Infill, Add	0.31	
For Cryo Rubber And Sand Infill, Add	0.36	
32 18 23 29-0015 EA Football Markings For AstroTurf® GameDay Grass™ MT 41 Fields	13,985.00	
32 18 23 29-0016 EA Baseball Markings For AstroTurf® GameDay Grass™ MT 41 Fields	11,602.37	
32 18 23 29-0017 EA Soccer, Lacrosse, Softball Or Field Hockey Markings For AstroTurf® GameDay Grass™ MT 41 Fields.....	3,625.74	
Note: Per sport.		
32 18 23 29-0018 EA Endzone Lettering For AstroTurf® GameDay Grass™ MT 41 Fields	1,346.70	
Note: Per letter. Excludes outline.		
32 18 23 29-0019 EA Colored Endzone For AstroTurf® GameDay Grass™ MT 41 Fields.....	1,243.11	
Note: Per endzone.		
32 18 23 29-0020 EA Simple Logo For AstroTurf® GameDay Grass™ MT 41 Fields	10,877.23	
Note: Block letter.		
32 18 23 29-0021 EA Deluxe Logo For AstroTurf® GameDay Grass™ MT 41 Fields	15,771.98	
Note: Graphic.		

32 Exterior Improvements**32 10 Bases, Ballasts, And Paving****32 18 Athletic And Recreational Surfacing**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 18 23 29-0022		45 Oz/SY Face Weight, Tufted Monofilament Polyethylene Synthetic Turf (AstroTurf® GameDay Grass™ MT 45) <small>(32 18 23 29-0003)</small>		
32 18 23 29-0023	SF	45 Oz/SY Face Weight, Tufted Monofilament Polyethylene Synthetic Turf With Ambient Rubber Infill (AstroTurf® GameDay Grass™ MT 45)	4.54	
		<i>For Ambient Rubber And Sand Infill, Add</i>	0.10	
		<i>For Cryo Rubber Infill, Add</i>	0.26	
		<i>For Ethylene Propylene Diene Monomer (EPDM) Rubber Infill, Add</i>	0.31	
		<i>For Cryo Rubber And Sand Infill, Add</i>	0.36	
32 18 23 29-0024	EA	Football Markings For AstroTurf® GameDay Grass™ MT 45 Fields	14,243.99	
32 18 23 29-0025	EA	Baseball Markings For AstroTurf® GameDay Grass™ MT 45 Fields	12,534.71	
32 18 23 29-0026	EA	Soccer, Lacrosse, Softball Or Field Hockey Markings For AstroTurf® GameDay Grass™ MT 45 Fields.....	3,884.72	
		Note: Per sport.		
32 18 23 29-0027	EA	Endzone Lettering For AstroTurf® GameDay Grass™ MT 45 Fields	1,450.30	
		Note: Per letter. Excludes outline.		
32 18 23 29-0028	EA	Colored Endzone For AstroTurf® GameDay Grass™ MT 45 Fields.....	1,294.91	
		Note: Per endzone.		
32 18 23 29-0029	EA	Simple Logo For AstroTurf® GameDay Grass™ MT 45 Fields	11,395.19	
		Note: Block letter.		
32 18 23 29-0030	EA	Deluxe Logo For AstroTurf® GameDay Grass™ MT 45 Fields	16,523.02	
		Note: Graphic.		
32 18 23 29-0031		Tufted Monofilament Polyethylene Synthetic Turf With Nylon Root Zone (AstroTurf® GameDay Grass™ 3D) <small>(32 18 23 29-0002)</small>		
32 18 23 29-0032		52 Oz/SY Face Weight, Tufted Slit-Film Polyethylene Synthetic Turf With Nylon Root Zone (AstroTurf® GameDay Grass™ 3DX 52) <small>(32 18 23 29-0031)</small>		
32 18 23 29-0033	SF	52 Oz/SY Face Weight, Tufted Slit-Film Polyethylene Synthetic Turf With Nylon Root Zone And Ambient Rubber Infill (AstroTurf® GameDay Grass™ 3DX 52)	5.27	
		<i>For Ambient Rubber And Sand Infill, Add</i>	0.10	
		<i>For Cryo Rubber Infill, Add</i>	0.20	
		<i>For Ethylene Propylene Diene Monomer (EPDM) Rubber Infill, Add</i>	0.25	
		<i>For Cryo Rubber And Sand Infill, Add</i>	0.30	
32 18 23 29-0034	EA	Football Markings For AstroTurf® GameDay Grass™ 3DX 52 Fields	14,761.86	
32 18 23 29-0035	EA	Baseball Markings For AstroTurf® GameDay Grass™ 3DX 52 Fields	15,745.98	
32 18 23 29-0036	EA	Soccer, Lacrosse, Softball Or Field Hockey Markings For AstroTurf® GameDay Grass™ 3DX 52 Fields.....	4,402.66	
		Note: Per sport.		
32 18 23 29-0037	EA	Endzone Lettering For AstroTurf® GameDay Grass™ 3DX 52 Fields.....	1,657.47	
		Note: Per letter. Excludes outline.		
32 18 23 29-0038	EA	Colored Endzone For AstroTurf® GameDay Grass™ 3DX 52 Fields.....	1,398.49	
		Note: Per endzone.		
32 18 23 29-0039	EA	Simple Logo For AstroTurf® GameDay Grass™ 3DX 52 Fields.....	12,431.04	
		Note: Block letter.		
32 18 23 29-0040	EA	Deluxe Logo For AstroTurf® GameDay Grass™ 3DX 52 Fields	18,025.01	
		Note: Graphic.		
32 18 23 29-0041		60 Oz/SY Face Weight, Tufted Slit-Film Polyethylene Synthetic Turf With Nylon Root Zone (AstroTurf® GameDay Grass™ 3DX 60) <small>(32 18 23 29-0031)</small>		
32 18 23 29-0042	SF	60 Oz/SY Face Weight, Tufted Slit-Film Polyethylene Synthetic Turf With Nylon Root Zone And Ambient Rubber Infill (AstroTurf® GameDay Grass™ 3DX 60)	5.51	
		<i>For Ambient Rubber And Sand Infill, Add</i>	0.10	
		<i>For Cryo Rubber Infill, Add</i>	0.20	
		<i>For Ethylene Propylene Diene Monomer (EPDM) Rubber Infill, Add</i>	0.25	
		<i>For Cryo Rubber And Sand Infill, Add</i>	0.30	
32 18 23 29-0043	EA	Football Markings For AstroTurf® GameDay Grass™ 3DX 60 Fields	15,020.84	
32 18 23 29-0044	EA	Baseball Markings For AstroTurf® GameDay Grass™ 3DX 60 Fields	17,507.05	
32 18 23 29-0045	EA	Soccer, Lacrosse, Softball Or Field Hockey Markings For AstroTurf® GameDay Grass™ 3DX 60 Fields.....	4,661.64	
		Note: Per sport.		
32 18 23 29-0046	EA	Endzone Lettering For AstroTurf® GameDay Grass™ 3DX 60 Fields.....	1,761.06	
		Note: Per letter. Excludes outline.		
32 18 23 29-0047	EA	Colored Endzone For AstroTurf® GameDay Grass™ 3DX 60 Fields.....	1,450.29	
		Note: Per endzone.		
32 18 23 29-0048	EA	Simple Logo For AstroTurf® GameDay Grass™ 3DX 60 Fields.....	12,949.00	
		Note: Block letter.		
32 18 23 29-0049	EA	Deluxe Logo For AstroTurf® GameDay Grass™ 3DX 60 Fields	18,776.05	
		Note: Graphic.		
32 18 23 29-0050		52 Oz/SY Face Weight, Tufted Monofilament Polyethylene Synthetic Turf With Nylon Root Zone (AstroTurf® GameDay Grass™ 3D 52) <small>(32 18 23 29-0031)</small>		
32 18 23 29-0051	SF	52 Oz/SY Face Weight, Tufted Monofilament Polyethylene Synthetic Turf With Nylon Root Zone And Ambient Rubber Infill (AstroTurf® GameDay Grass™ 3D 52)	5.52	
		<i>For Ambient Rubber And Sand Infill, Add</i>	0.10	
		<i>For Cryo Rubber Infill, Add</i>	0.20	
		<i>For Ethylene Propylene Diene Monomer (EPDM) Rubber Infill, Add</i>	0.25	
		<i>For Cryo Rubber And Sand Infill, Add</i>	0.30	
32 18 23 29-0052	EA	Football Markings For AstroTurf® GameDay Grass™ 3D 52 Fields.....	15,279.82	
32 18 23 29-0053	EA	Baseball Markings For AstroTurf® GameDay Grass™ 3D 52 Fields.....	17,610.64	
32 18 23 29-0054	EA	Soccer, Lacrosse, Softball Or Field Hockey Markings For AstroTurf® GameDay Grass™ 3D 52 Fields.....	4,920.62	
		Note: Per sport.		



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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 18 23 29-0055 EA Endzone Lettering For AstroTurf® GameDay Grass™ 3D 52 Fields.....	1,864.66	
Note: Per letter. Excludes outline.		
32 18 23 29-0056 EA Colored Endzone For AstroTurf® GameDay Grass™ 3D 52 Fields.....	1,502.08	
Note: Per endzone.		
32 18 23 29-0057 EA Simple Logo For AstroTurf® GameDay Grass™ 3D 52 Fields.....	13,466.96	
Note: Block letter.		
32 18 23 29-0058 EA Deluxe Logo For AstroTurf® GameDay Grass™ 3D 52 Fields.....	19,527.09	
Note: Graphic.		
32 18 23 29-0059 60 Oz/SY Face Weight, Tufted Monofilament Polyethylene Synthetic Turf With Nylon Root Zone (AstroTurf® GameDay Grass™ 3D 60) (32 18 23 29-0031)		
32 18 23 29-0060 SF 60 Oz/SY Face Weight, Tufted Monofilament Polyethylene Synthetic Turf With Nylon Root Zone And Ambient Rubber Infill (AstroTurf® GameDay Grass™ 3D 60).....	5.65	
For Ambient Rubber And Sand Infill, Add	0.10	
For Cryo Rubber Infill, Add	0.20	
For Ethylene Propylene Diene Monomer (EPDM) Rubber Infill, Add	0.25	
For Cryo Rubber And Sand Infill, Add	0.30	
32 18 23 29-0061 EA Football Markings For AstroTurf® GameDay Grass™ 3D 60 Fields.....	15,538.80	
32 18 23 29-0062 EA Baseball Markings For AstroTurf® GameDay Grass™ 3D 60 Fields.....	18,750.15	
32 18 23 29-0063 EA Soccer, Lacrosse, Softball Or Field Hockey Markings For AstroTurf® GameDay Grass™ 3D 60 Fields.....	5,179.60	
Note: Per sport.		
32 18 23 29-0064 EA Endzone Lettering For AstroTurf® GameDay Grass™ 3D 60 Fields.....	2,071.84	
Note: Per letter. Excludes outline.		
32 18 23 29-0065 EA Colored Endzone For AstroTurf® GameDay Grass™ 3D 60 Fields.....	1,553.88	
Note: Per endzone.		
32 18 23 29-0066 EA Simple Logo For AstroTurf® GameDay Grass™ 3D 60 Fields.....	13,984.92	
Note: Block letter.		
32 18 23 29-0067 EA Deluxe Logo For AstroTurf® GameDay Grass™ 3D 60 Fields.....	20,278.13	
Note: Graphic.		
32 18 23 29-0068 Tufted Monofilament Polyethylene Synthetic Turf (AstroTurf® GameDay Grass™ XPe) (32 18 23 29-0002)		
32 18 23 29-0069 38 Oz/SY Face Weight, Tufted Slit-Film Polyethylene Synthetic Turf With Nylon Root Zone (AstroTurf® GameDay Grass™ XPe 38) (32 18 23 29-0068)		
32 18 23 29-0070 SF 38 Oz/SY Face Weight, Tufted Slit-Film Polyethylene Synthetic Turf With Nylon Root Zone And Ambient Rubber Infill (AstroTurf® GameDay Grass™ XPe 38).....	4.19	
For Ambient Rubber And Sand Infill, Add	0.10	
For Cryo Rubber Infill, Add	0.26	
For Ethylene Propylene Diene Monomer (EPDM) Rubber Infill, Add	0.31	
For Cryo Rubber And Sand Infill, Add	0.36	
32 18 23 29-0071 EA Football Markings For AstroTurf® GameDay Grass™ XPe 38 Fields.....	13,208.06	
32 18 23 29-0072 EA Baseball Markings For AstroTurf® GameDay Grass™ XPe 38 Fields.....	9,737.71	
32 18 23 29-0073 EA Soccer, Lacrosse, Softball Or Field Hockey Markings For AstroTurf® GameDay Grass™ XPe 38 Fields.....	2,848.80	
Note: Per sport.		
32 18 23 29-0074 EA Endzone Lettering For AstroTurf® GameDay Grass™ XPe 38 Fields.....	1,035.93	
Note: Per letter. Excludes outline.		
32 18 23 29-0075 EA Colored Endzone For AstroTurf® GameDay Grass™ XPe 38 Fields.....	1,087.72	
Note: Per endzone.		
32 18 23 29-0076 EA Simple Logo For AstroTurf® GameDay Grass™ XPe 38 Fields.....	9,323.34	
Note: Block letter.		
32 18 23 29-0077 EA Deluxe Logo For AstroTurf® GameDay Grass™ XPe 38 Fields.....	13,518.84	
Note: Graphic.		
32 18 23 29-0078 42 Oz/SY Face Weight, Tufted Slit-Film Polyethylene Synthetic Turf With Nylon Root Zone (AstroTurf® GameDay Grass™ XPe 42) (32 18 23 29-0068)		
32 18 23 29-0079 SF 42 Oz/SY Face Weight, Tufted Slit-Film Polyethylene Synthetic Turf With Nylon Root Zone And Ambient Rubber Infill (AstroTurf® GameDay Grass™ XPe 42).....	3.72	
For Ambient Rubber And Sand Infill, Add	0.10	
For Cryo Rubber Infill, Add	0.26	
For Ethylene Propylene Diene Monomer (EPDM) Rubber Infill, Add	0.31	
For Cryo Rubber And Sand Infill, Add	0.36	
32 18 23 29-0080 EA Football Markings For AstroTurf® GameDay Grass™ XPe 42 Fields.....	13,466.96	
32 18 23 29-0081 EA Baseball Markings For AstroTurf® GameDay Grass™ XPe 42 Fields.....	10,359.20	
32 18 23 29-0082 EA Soccer, Lacrosse, Softball Or Field Hockey Markings For AstroTurf® GameDay Grass™ XPe 42 Fields.....	3,107.76	
Note: Per sport.		
32 18 23 29-0083 EA Endzone Lettering For AstroTurf® GameDay Grass™ XPe 42 Fields.....	1,139.51	
Note: Per letter. Excludes outline.		
32 18 23 29-0084 EA Colored Endzone For AstroTurf® GameDay Grass™ XPe 42 Fields.....	1,139.51	
Note: Per endzone.		
32 18 23 29-0085 EA Simple Logo For AstroTurf® GameDay Grass™ XPe 42 Fields.....	9,841.24	
Note: Block letter.		
32 18 23 29-0086 EA Deluxe Logo For AstroTurf® GameDay Grass™ XPe 42 Fields.....	14,269.80	
Note: Graphic.		
32 18 23 29-0087 Tufted Monofilament Nylon Synthetic Turf With Nylon Root Zone And Attached Pad (AstroTurf® PureGrass®) (32 18 23 29-0002)		
32 18 23 29-0088 SF Tufted Monofilament Nylon Synthetic Turf With Nylon Root Zone And Attached Pad (AstroTurf® PureGrass®).....	8.72	

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MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 18 23 29-0089	SF		Tufted Monofilament Nylon Synthetic Turf With Nylon Root Zone And Ambient Rubber Infill (AstroTurf® PureGrass®).....	7.66	
32 18 23 29-0090	EA		Football Markings For AstroTurf® PureGrass® Fields.....	25,557.95	
32 18 23 29-0091	EA		Baseball Markings For AstroTurf® PureGrass® Fields.....	30,363.72	
32 18 23 29-0092	EA		Soccer, Lacrosse, Softball Or Field Hockey Markings For AstroTurf® PureGrass® Fields.....	7,427.10	
			Note: Per sport.		
32 18 23 29-0093	EA		Endzone Lettering For AstroTurf® PureGrass® Fields.....	2,839.77	
			Note: Per letter. Excludes outline.		
32 18 23 29-0094	EA		Colored Endzone For AstroTurf® PureGrass® Fields.....	2,107.87	
			Note: Per endzone.		
32 18 23 29-0095	EA		Simple Logo For AstroTurf® PureGrass® Fields.....	18,970.85	
			Note: Block letter.		
32 18 23 29-0096	EA		Deluxe Logo For AstroTurf® PureGrass® Fields.....	27,851.61	
			Note: Graphic.		
32 18 23 29-0097			Synthetic Turf (G9 Turf) <small>(32 18 23 29-0001)</small>		
			Note: Includes labor, equipment and material required to install the task.		
32 18 23 29-0098	SF		2-1/2" Height, 53 Ounce, Tufted 3/8" Gauge Monofilament Synthetic Turf With Thatch Layer And Ethylene Propylene Diene Monomer (EPDM) Infill (G9 Turf Playmaker Turf).....	5.71	
			Note: For football and multi-sport fields. Excludes preparation of sub-base, grooming, sports lines and logos.		
			For >35,000, Deduct	-0.53	
32 18 23 29-0099	SF		2" Height, 48 Ounce, Tufted 3/8" Gauge Monofilament Synthetic Turf With Thatch Layer And Ethylene Propylene Diene Monomer (EPDM) Infill (G9 Turf Striker Turf).....	5.66	
			Note: For all sports other than football. Excludes preparation of sub-base, grooming, sports lines and logos.		
			For >35,000, Deduct	-0.53	
32 18 23 29-0100	SF		1-3/4" Height, 72 Ounce, Tufted 3/8" Gauge, Two-Color Monofilament Synthetic Turf With Thatch Layer And Acrylic Coated Sand Infill (G9 Turf Perennial Turf).....	5.88	
			Note: For landscaped areas or playgrounds. Excludes preparation of sub-base, grooming, sports lines and logos.		
32 18 23 29-0101	EA		Football Inlays For G9 Synthetic Turf.....	35,332.99	
			Note: Includes field grid, numbers, arrows, coach's box and kick off lines.		
32 18 23 29-0102	EA		Soccer Inlays For G9 Synthetic Turf.....	15,310.96	
32 18 23 29-0103	EA		Boys Lacrosse Inlays For G9 Synthetic Turf.....	15,310.96	
32 18 23 29-0104	EA		Girls Lacrosse Inlays For G9 Synthetic Turf.....	15,310.96	
32 18 23 29-0105	EA		Field Hockey Inlays For G9 Synthetic Turf.....	15,310.96	
32 18 23 29-0106	EA		Endzone Lettering For G9 Synthetic Turf.....	1,766.65	
			Note: Priced per letter. Includes single color outlining.		
32 18 23 29-0107	SF		Ethylene Propylene Diene Monomer (EPDM) Black Infill For G9 Synthetic Turf.....	1.65	
32 18 23 29-0108	SF		Ethylene Propylene Diene Monomer (EPDM) Color Infill For G9 Synthetic Turf.....	4.32	
32 18 23 29-0109	SF		Styrene-Butadiene Rubber (SBR) Infill For G9 Synthetic Turf.....	1.23	
32 18 23 29-0110	SF		Sand Infill For G9 Synthetic Turf.....	0.62	
32 18 23 29-0111	SF		Acrylic Coated Sand Infill For G9 Synthetic Turf.....	1.02	
32 18 23 29-0112	EA		Gmax Compaction And Hardness Test For G9 Synthetic Turf.....	1,177.77	
			Note: Includes a comprehensive report.		
32 18 23 29-0113	EA		Safety Bridge Over Track For G9 Synthetic Turf.....	11,777.66	
32 18 23 29-0114	SF		Clean And Groom Synthetic Turf.....	0.39	
			Note: Includes using equipment to pick up metal particles in the field, air vacuum the top 2-5 mm of infill, clean and screen to remove broken strands, dirt, bandage, etc.		
			For >10,000 To 30,000, Deduct	-0.16	
			For >30,000 To 60,000, Deduct	-0.27	
			For >60,000, Deduct	-0.30	
32 18 23 29-0115	SF		Rejuvenate Synthetic Turf And Reinstall Existing Infill.....	2.64	
			Note: Includes using equipment to extract 10 to 20 mm of infill by delivering high pressure air into the carpet, decompacting the surface and driving out the infill leaving the fiber standing straight up. Includes reinstalling the old infill that was removed.		
32 18 23 29-0116	SF		Rejuvenate Synthetic Turf For Installation Of New Infill.....	2.93	
			Note: Includes using equipment to extract 10 to 20 mm of infill by delivering high pressure air into the carpet, decompacting the surface and driving out the infill leaving the fiber standing straight up. Includes disposing of the old infill. Excludes new infill.		
32 18 23 29-0117	SF		Drainage Layer For G9 Synthetic Turf.....	2.41	
			Note: Used for drainage over asphalt or on roof tops.		
32 18 23 29-0118	SF		15 mm, Shock Pad For G9 Synthetic Turf.....	1.48	
			Note: Used for additional Gmax for a stone base field.		
32 18 23 29-0119	EA		Single Visit Repair Call To Repair Up To 300 LF Of Inlay Lines Or Seams On G9 Synthetic Turf.....	2,347.20	
			Note: Includes field inspection and report.		
32 18 23 29-0120	LF		Repair Inlay Lines Or Seams On G9 Synthetic Turf.....	6.45	
			Note: Linear foot price for repairs over the initial repair call maximum of 300 LF.		
32 18 23 29-0121	LF		Nailer Used To Attach G9 Synthetic Turf.....	2.58	
32 18 23 29-0122	SF		Removal And Recycling Of Existing Field.....	1.82	
			Note: Includes removal, shipping and recycling of infill, fibers and backing.		
32 18 23 33			Running Track Surfacing <small>(32 18 23)</small>		
32 18 23 33-0001			Running Track Surfacing <small>(32 18 23 33)</small>		
32 18 23 33-0002	SY		2-1/2" Asphaltic Concrete Running Track Surfacing.....	27.54	
32 18 23 33-0003			Running Track Seal And Colored Surfaces <small>(32 18 23 33)</small>		
32 18 23 33-0004	SY		1 Seal Coat, Striping Of Track.....	15.05	
			Note: Includes certification.		
32 18 23 39			Synthetic Running Track Surfacing <small>(32 18 23)</small>		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 18 23 39-0001 Synthetic Running Track Surfacing (XPLODE™) <small>(32 18 23 39)</small> Note: Excludes asphalt base. Includes striping.		
32 18 23 39-0002 SY Paved-In-Place Styrene-Butadiene Rubber (SBR) Or Ethylene Propylene Diene Monomer (EPDM) Rubber Granule Base Mat With Polyurethane Binder, Synthetic Running Track Surfacing (XPLODE™ M100)	36.93	
For Up To 4,000, Add	12.93	
For >5,500, Deduct	-4.06	
32 18 23 39-0003 SY Paved-In-Place Styrene-Butadiene Rubber (SBR) Granule Base Mat With Polyurethane Binder Finished With A Textured And Pigmented Polyurethane And Ethylene Propylene Diene Monomer (EPDM) Rubber Structural Spray Coat, Synthetic Running Track Surfacing (XPLODE™ MS200)	49.57	
For Up To 4,000, Add	17.35	
For >5,500, Deduct	-5.45	
For Custom Color Upgrade, Add	4.71	
For Aliphatic Top Coating, Add	8.92	
32 18 23 39-0004 SY Paved-In-Place Ethylene Propylene Diene Monomer (EPDM) Rubber Granule Base Mat With Polyurethane Binder, Two-Component Polyurethane Sealer Layer And Two-Component Polyurethane Wearing Layer With Embedded Ethylene Propylene Diene Monomer (EPDM) Rubber, Synthetic Running Track Surfacing (XPLODE™ MSX500)	83.30	
For Up To 4,000, Add	29.16	
For >5,500, Deduct	-5.00	
For Custom Color Upgrade, Add	6.41	
For Aliphatic Top Coating, Add	11.91	
32 18 23 39-0005 SY Full Pour Two-Component Polyurethane Track System With Embedded Ethylene Propylene Diene Monomer (EPDM) Rubber Surface, Synthetic Running Track Surfacing (XPLODE™ MSX5000).....	107.60	
For Up To 4,000, Add	37.66	
For >5,500, Deduct	-6.46	
For Custom Color Upgrade, Add	8.39	
For Aliphatic Top Coating, Add	12.27	
32 18 23 39-0006 SY Latex Binder, Synthetic Running Track Surfacing (XPLODE™ Plexitrac® Lightning)	33.64	
For Up To 4,000, Add	11.77	
For >5,500, Deduct	-3.70	
32 18 23 39-0007 SY Latex Binder, Synthetic Running Track Surfacing (XPLODE™ Plexitrac® Accelerator).....	37.87	
For Up To 4,000, Add	13.25	
For >5,500, Deduct	-5.49	
32 18 23 39-0008 SY Spray Retop XPLODE™ M100/MS200 Running Tracks	33.26	
For Up To 4,000, Add	11.64	
For >5,500, Deduct	-3.25	
32 18 23 39-0009 SY Sandwich Retop XPLODE™ MSX500 Running Tracks.....	64.38	
For Up To 4,000, Add	22.53	
For >5,500, Deduct	-6.79	
32 18 23 39-0010 SY Retop XPLODE™ Plexitrac® Lightning Running Tracks	18.73	
Note: Two layers.		
For Up To 4,000, Add	6.56	
For >5,500, Deduct	-3.10	
32 18 23 39-0011 SY Retop XPLODE™ Plexitrac® Accelerator Running Tracks.....	22.80	
Note: Two layers.		
For Up To 4,000, Add	7.98	
For >5,500, Deduct	-3.10	
32 18 23 39-0012 EA Restripe XPLODE™ Running Track.....	7,741.25	
Note: Includes two coats of acrylic resurfacer and two coats of color.		
For College Track Restriping, Add	1,407.50	
 32 18 23 53 Tennis Court Surfacing <small>(32 18 23)</small>		
32 18 23 53-0001 Tennis Court Surfacing <small>(32 18 23 53)</small> See CSI section 32 18 23 61-0000 for 100% acrylic tennis court surfacing.		
32 18 23 53-0002 SY Tennis Court Bituminous Pavement, 2-1/2" Thick.....	29.68	
 32 18 23 53-0003 Tennis Court Markings <small>(32 18 23 53)</small>		
32 18 23 53-0004 EA Paint Markings On Asphalt Tennis Court 2 Coats.....	399.58	
 32 18 23 56 Natural Tennis Court Surfacing <small>(32 18 23)</small>		
32 18 23 56-0001 SY Clay Tennis Court.....	42.41	
32 18 23 56-0002 SY Tennis Court, Pulverized Natural Greenstone, Fast Dry.....	47.19	
Note: Includes 4" base.		
32 18 23 56-0003 SY Tennis Court, Rubber-Cork Base Resilient Pavement.....	17.47	
32 18 23 56-0004 SY Resurface Clay Tennis Court.....	12.27	
32 18 23 56-0005 SY Resurface Tennis Court, Pulverized Natural Greenstone	10.39	
32 18 23 56-0006 SY Resurface Tennis Court, Resilient Pavement	6.59	
 32 18 23 61 Multi-Use, Tennis Court, Basketball Court Athletic Surfacing <small>(32 18 23)</small>		
32 18 23 61-0001 100% Acrylic Athletic Surfacing System (California Products Plexipave®) <small>(32 18 23 61)</small> Note: Excludes asphalt or concrete sub base and repairs of sub base.		
32 18 23 61-0002 Surface Preparation For Athletic Surfacing System (California Products Plexipave®) <small>(32 18 23 61-0001)</small>		
32 18 23 61-0003 SY 100% Acrylic Resurfacer, Athletic Surfacing System (California Products Plexipave® Acrylic Resurfacer), Per Coat.....	1.90	
Note: Includes ultra fine silica sand. Applied with rubber squeegee.		

32 Exterior Improvements**32 10 Bases, Ballasts, And Paving****32 18 Athletic And Recreational Surfacing**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 18 23 61-0004 SY Acid Etching Concrete Pre-Treatment For Plexipave® Athletic Surfacing System (California Products Plexipave® Concrete Preparer®), Per Coat.....	0.64	
Note: For previously uncoated portland cement concrete. Applied with broom.		
32 18 23 61-0005 SY Two-Part, Water Based Epoxy Primer For Plexipave® Athletic Surfacing System (California Products Plexipave® Ti-Coat®), Per Coat.....	2.32	
Note: For new or uncoated portland cement concrete. Applied with a short nap phenolic roller.		
32 18 23 61-0006 SY Up To 1/2" Thick, Acrylic Latex Patching Compound, Athletic Surfacing System (California Products Plexipave® Court Patch Binder), Per Coat.....	94.56	
Note: For patching depressions and uneven texture in new or existing asphalt or concrete surfaces. Includes ultra fine silica sand and portland cement. Applied with trowel or metal screed.		
32 18 23 61-0007 Surface Coatings For Athletic Surfacing System (California Products Plexipave®) (32 18 23 61-0001)		
Note: Standard colors include dark green, Florida green, light green, maroon, Sahara sand, brown, California red, and cape gray.		
32 18 23 61-0008 SY 100% Acrylic Emulsion Color Coating, Athletic Surfacing System (California Products Fortified Plexipave®), First Coat.....	2.41	
Note: Includes ultra fine silica sand. Applied with rubber squeegee.		
For Pacific Blue, Add	0.13	
For US Open Blue, Add	0.44	
32 18 23 61-0009 SY 100% Acrylic Emulsion Color Coating, Athletic Surfacing System (California Products Fortified Plexipave®), Second Coat.....	1.98	
Note: Includes ultra fine silica sand. Applied with rubber squeegee.		
For Pacific Blue, Add	0.09	
For US Open Blue, Add	0.32	
32 18 23 61-0010 SY 100% Acrylic Emulsion Color Coating, Athletic Surfacing System (California Products Fortified Plexipave®), Third Coat.....	1.74	
Note: Price per coat for third or additional coats. Includes ultra fine silica sand. Applied with rubber squeegee.		
For Pacific Blue, Add	0.07	
For US Open Blue, Add	0.25	
32 18 23 61-0011 SY Non-Textured, 100% Acrylic Emulsion Color Coating Finish, Athletic Surfacing System (California Products Plexipave® Plexichrome®), Per Coat.....	1.74	
Note: Non-textured finish coat over Plexipave® for faster playing surfaces. Applied with rubber squeegee followed by wide hair-type push broom.		
For Pacific Blue, Add	0.04	
For US Open Or Australian Open Blue, Add	0.30	
For Pro Purple, Add	0.66	
32 18 23 61-0012 Specialty Coatings For Athletic Surfacing System (California Products Plexipave®) (32 18 23 61-0001)		
32 18 23 61-0013 SY Hard Acrylic Surface Coat, Clear Coating Finish, Athletic Surfacing System (California Products Plexipave® Clear-Glo #3®), Per Coat.....	1.12	
Note: Final finish coat over Plexipave® for increased wear resistance for basketball and volleyball courts. Applied with wide hair-type push broom.		
32 18 23 61-0014 Line Striping For Athletic Surfacing System (California Products Plexipave®) (32 18 23 61-0001)		
32 18 23 61-0015 SY Tennis Or Basketball Court Line Striping For Athletic Surfacing System (California Products Plexipave® Hi-Hide Plexicolor®).....	5.16	
Note: Textured or non-textured highly reflective line marking paint.		
32 18 23 61-0016 Cushion Coatings For Athletic Surfacing System (California Products Plexipave® Plexicushion®) (32 18 23 61-0001)		
32 18 23 61-0017 SY Resilient Latex Undercoating Base Coat, Athletic Surfacing System (California Products Plexipave® Plexicushion® Base Coat), First Coat.....	3.52	
Note: Applied with rubber squeegee.		
32 18 23 61-0018 SY Resilient Latex Undercoating Base Coat, Athletic Surfacing System (California Products Plexipave® Plexicushion® Base Coat), Second Coat.....	4.74	
Note: Applied with rubber squeegee.		
32 18 23 61-0019 SY Resilient Latex Undercoating Base Coat, Athletic Surfacing System (California Products Plexipave® Plexicushion® Base Coat), Third Coat.....	4.10	
Note: Price per coat for third or additional coats. Applied with rubber squeegee.		
32 18 23 61-0020 SY Resilient Latex Undercoating, Athletic Surfacing System (California Products Plexipave® Plexicushion®), First Coat.....	3.12	
Note: Applied with rubber squeegee.		
32 18 23 61-0021 SY Resilient Latex Undercoating, Athletic Surfacing System (California Products Plexipave® Plexicushion®), Second Coat.....	2.42	
Note: Price per coat for second or additional coats. Applied with rubber squeegee.		

32 30 Site Improvements (32)**32 31 Fences And Gates** (32 30)**32 31 11 Gate Operators** (32 31)**32 31 11 00-0001 Gate Operators** (32 31 11)

Note: Excludes gates, electrical connections, access controls and concrete foundation.



Exterior Improvements	32	32
Site Improvements	32 30	
Fences And Gates	32 31	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 11 00-0002 Swing Gate Actuator <small>(32 31 11 00-0001)</small>		
32 31 11 00-0003 Single Gate, Swing Gate Actuator <small>(32 31 11 00-0002)</small>		
32 31 11 00-0004 EA Up To 10' Wide Gate, 1/2 HP Motor, 115 Volt AC, Single Gate, Swing Gate Actuator (DKS™ DoorKing® 6003)	1,035.81	180.40
32 31 11 00-0005 EA Up To 14' Wide Gate, 1/2 HP Motor, 115 Volt AC, Single Gate, Swing Gate Actuator (DKS™ DoorKing® 6002)	1,328.31	180.40
Note: Includes one primary operator with a 14' wide gate capacity.		
32 31 11 00-0006 Dual Gate, Swing Gate Actuator <small>(32 31 11 00-0002)</small>		
32 31 11 00-0007 EA Up To 10' Wide Gates, 1/2 HP Motor, 115 Volt AC, Dual Gate, Swing Gate Actuator (DKS™ DoorKing® 6003)	2,071.62	360.81
32 31 11 00-0008 EA Up To 14' Wide Gates, 1/2 HP Motor, 115 Volt AC, Dual Gate, Swing Gate Actuator (DKS™ DoorKing® 6002)	2,656.62	360.81
Note: Includes one primary and one secondary operator each with a 14' wide gate capacity.		
32 31 11 00-0009 Swing Gate Operators <small>(32 31 11 00-0001)</small>		
32 31 11 00-0010 Single Gate, Swing Gate Operators <small>(32 31 11 00-0009)</small>		
32 31 11 00-0011 EA 400 LB Capacity, Up To 10' Wide Gate, 1/2 HP Motor, 115 Volt AC, Single Gate, Swing Gate Operator (DKS™ DoorKing® 6050)	1,950.81	180.40
Note: Includes one primary operator with a 10' wide and 400# gate capacity.		
32 31 11 00-0012 EA 500 LB Capacity, Up To 14' Wide Gate, 1/2 HP Motor, 115 Volt AC, Single Gate, Swing Gate Operator (DKS™ DoorKing® 6100)	2,108.31	180.40
Note: Includes one primary operator with a 14' wide and 500# gate capacity.		
32 31 11 00-0013 EA 700 LB Capacity, Up To 18' Wide Gate, 1/2 HP Motor, 115 Volt AC, Single Gate, Swing Gate Operator (DKS™ DoorKing® 6500)	2,805.81	180.40
Note: Includes one primary operator with an 18' wide and 700# gate capacity.		
For 208/230/460 Volt AC, Add	322.50	
32 31 11 00-0014 EA 800 LB Capacity, Up To 22' Wide Gate, 1 HP Motor, 115 Volt AC, Single Gate, Swing Gate Operator (DKS™ DoorKing® 6500)	3,158.31	180.40
Note: Includes one primary operator with a 22' wide and 800# gate capacity.		
For 208/230/460 Volt AC, Add	322.50	
32 31 11 00-0015 Dual Gate, Swing Gate Operators <small>(32 31 11 00-0009)</small>		
32 31 11 00-0016 EA 400 LB Capacity, Up To 10' Wide Gates, 1/2 HP Motor, 115 Volt AC, Dual Gate, Swing Gate Operator (DKS™ DoorKing® 6050)	3,489.12	360.81
Note: Includes one primary and one secondary operator each with a 10' wide and 400# gate capacity.		
32 31 11 00-0017 EA 500 LB Capacity, Up To 14' Wide Gates, 1/2 HP Motor, 115 Volt AC, Dual Gate, Swing Gate Operator (DKS™ DoorKing® 6100)	3,804.12	360.81
Note: Includes one primary and one secondary operator each with a 14' wide and 500# gate capacity.		
32 31 11 00-0018 EA 700 LB Capacity, Up To 14' Wide Gates, 1/2 HP Motor, 115 Volt AC, Dual Gate, Swing Gate Operator (DKS™ DoorKing® 6500)	5,191.62	360.81
Note: Includes one primary and one secondary operator each with an 18' wide and 700# gate capacity.		
For 208/230/460 Volt AC, Add	322.50	
32 31 11 00-0019 EA 800 LB Capacity, Up To 22' Wide Gates, 1 HP Motor, 115 Volt AC, Dual Gate, Swing Gate Operator (DKS™ DoorKing® 6500)	5,964.12	360.81
Note: Includes one primary and one secondary operator each with a 22' wide and 800# gate capacity.		
For 208/230/460 Volt AC, Add	322.50	
32 31 11 00-0020 Sliding Gate Operators <small>(32 31 11 00-0001)</small>		
Note: Includes 20' of chain. See CSI section 32 31 11 00-0029 for additional chain over 20'.		
32 31 11 00-0021 EA 300 LB Capacity, Up To 16' Wide Gate, 1/2 HP Motor, 115 Volt AC, Sliding Gate Operator (DKS™ DoorKing® 9050)	1,598.31	180.40
Note: Includes operator, chain brackets, hardware and 20' of #41 chain.		
32 31 11 00-0022 EA 1,000 LB Capacity, Up To 30' Wide Gate, 1/2 HP Motor, 115 Volt AC, Sliding Gate Operator (DKS™ DoorKing® 9100)	2,232.97	216.48
Note: Includes operator, chain brackets, hardware and 20' of #41 chain.		
32 31 11 00-0023 EA 1,500 LB Capacity, Up To 45' Wide Gate, 1 HP Motor, 115 Volt AC, Sliding Gate Operator (DKS™ DoorKing® 9150)	2,757.97	216.48
Note: Includes operator, chain brackets, hardware and 20' of #40 chain.		
32 31 11 00-0024 EA 3,000 LB Capacity, Up To 100' Wide Gate, 1 HP Motor, 115 Volt AC, Sliding Gate Operator (DKS™ DoorKing® 9210)	3,598.88	252.56
Note: Includes operator, chain brackets, hardware and 20' of #50 chain.		
32 31 11 00-0025 EA 2,000 LB Capacity, Up To 100' Wide Gate, 1 HP Motor, 208/230 Volt AC, Variable Speed, Sliding Gate Operator (DKS™ DoorKing® 9220)	4,408.88	252.56
Note: Includes operator, chain brackets, hardware and 20' of #50 chain.		
32 31 11 00-0026 EA 5,000 LB Capacity, Up To 100' Wide Gate, 3 HP Motor, 208/230 Volt AC, Variable Speed, Sliding Gate Operator (DKS™ DoorKing® 9230)	6,011.04	288.65
Note: Includes operator, chain brackets, hardware and 20' of #60 chain.		
32 31 11 00-0027 EA 5,000 LB Capacity, Up To 100' Wide Gate, 3 HP Motor, 208/230 Volt AC, High Speed, Sliding Gate Operator (DKS™ DoorKing® 9530)	10,027.29	288.65
Note: Includes operator, chain brackets, hardware and 20' of #60 chain.		
32 31 11 00-0028 EA 10,000 LB Capacity, Up To 160' Wide Gate, 5 HP Motor, 208/230 Volt AC, High Speed, Sliding Gate Operator (DKS™ DoorKing® 9550)	16,984.46	324.73
Note: Includes operator, chain brackets, hardware and 20' of #60 chain.		
32 31 11 00-0029 Accessories For Gate Actuators And Operators <small>(32 31 11 00-0001)</small>		
32 31 11 00-0030 EA Single Channel Detector Loop For Gate Actuators And Operators (DKS™ DoorKing® 9410)	402.18	
32 31 11 00-0031 EA Two Channel Detector Loop For Gate Actuators And Operators (DKS™ DoorKing® 9409)	788.63	

32 Exterior Improvements**32 30 Site Improvements****32 31 Fences And Gates**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 11 00-0032 EA Heater Kit For Gate Actuators And Operators (DKS™ DoorKing® 1601).....	444.33	
32 31 11 00-0033 EA Photoelectric Eye For Gate Actuators And Operators (DKS™ DoorKing® 8080-031).....	508.98	
32 31 11 00-0034 EA Reversing Edge Sensor For Gate Actuators And Operators (DKS™ DoorKing® 8080-020).....	463.98	
32 31 11 00-0035 EA Post Mount Base Plate For Gate Actuators And Operators (DKS™ DoorKing® 9310)	355.23	
32 31 11 00-0036 LF #40 Chain For Sliding Gate Operators.....	5.60	
32 31 11 00-0037 LF #41 Chain For Sliding Gate Operators.....	4.47	
32 31 11 00-0038 LF #50 Chain For Sliding Gate Operators.....	6.22	
32 31 11 00-0039 LF #60 Chain For Sliding Gate Operators.....	5.91	
32 31 13 Chain Link Fences And Gates (32 31)		
32 31 13 13 Chain Link Fences And Gates (32 31 13)		
32 31 13 13-0001 Post Holes (32 31 13 13)		
Note: Excludes spreading of excess material on site or loading and removal of excavated material from site. See CSI section 02 41 19 13-0025 for core drilling in concrete, 02 41 19 13-0163 for core drilling in asphalt.		
32 31 13 13-0002 Auger By Machine Fence Post Hole In Soil (32 31 13 13-0001)		
32 31 13 13-0003 VLF Up To 2-1/2" Diameter Hole, Auger By Machine Fence Post Hole In Soil	7.60	
32 31 13 13-0004 VLF 2-1/2" Diameter Hole, Auger By Machine Fence Post Hole In Soil	8.55	
32 31 13 13-0005 VLF 3" Diameter Hole, Auger By Machine Fence Post Hole In Soil	10.13	
32 31 13 13-0006 VLF 4" Diameter Hole, Auger By Machine Fence Post Hole In Soil	11.40	
32 31 13 13-0007 VLF 6" Diameter Hole, Auger By Machine Fence Post Hole In Soil	12.43	
32 31 13 13-0008 VLF 8" Diameter Hole, Auger By Machine Fence Post Hole In Soil	13.67	
32 31 13 13-0009 VLF 10" Diameter Hole, Auger By Machine Fence Post Hole In Soil	15.19	
32 31 13 13-0010 VLF 12" Diameter Hole, Auger By Machine Fence Post Hole In Soil	17.09	
32 31 13 13-0011 VLF 18" Diameter Hole, Auger By Machine Fence Post Hole In Soil	19.54	
32 31 13 13-0012 VLF 24" Diameter Hole, Auger By Machine Fence Post Hole In Soil	22.79	
32 31 13 13-0013 VLF 30" Diameter Hole, Auger By Machine Fence Post Hole In Soil	27.35	
32 31 13 13-0014 VLF 36" Diameter Hole, Auger By Machine Fence Post Hole In Soil	34.19	
32 31 13 13-0015 Post Hole In Rock (32 31 13 13-0001)		
32 31 13 13-0016 CF Jackhammer Post Hole In Rock.....	57.20	
32 31 13 13-0017 CF Rock Drill Post Hole In Rock.....	16.45	
32 31 13 13-0018 Fill For Post Holes (32 31 13 13-0001)		
See CSI section 03 21 00 00-0000 for reinforcing bars.		
32 31 13 13-0019 Concrete Fill For Post Holes (32 31 13 13-0018)		
32 31 13 13-0020 VLF Up To 2-1/2" Diameter, Concrete Fill For Post Hole	5.01	
32 31 13 13-0021 VLF 2-1/2" Diameter, Concrete Fill For Post Hole	6.42	
32 31 13 13-0022 VLF 3" Diameter, Concrete Fill For Post Hole	7.10	
32 31 13 13-0023 VLF 4" Diameter, Concrete Fill For Post Hole	8.22	
32 31 13 13-0024 VLF 6" Diameter, Concrete Fill For Post Hole	11.65	
32 31 13 13-0025 VLF 8" Diameter, Concrete Fill For Post Hole	15.54	
32 31 13 13-0026 VLF 10" Diameter, Concrete Fill For Post Hole	19.03	
32 31 13 13-0027 VLF 12" Diameter, Concrete Fill For Post Hole	22.23	
32 31 13 13-0028 VLF 18" Diameter, Concrete Fill For Post Hole	30.48	
32 31 13 13-0029 VLF 24" Diameter, Concrete Fill For Post Hole	38.00	
32 31 13 13-0030 VLF 30" Diameter, Concrete Fill For Post Hole	45.36	
32 31 13 13-0031 VLF 36" Diameter, Concrete Fill For Post Hole	53.03	
32 31 13 13-0032 Grout Fill For Post Holes (32 31 13 13-0018)		
32 31 13 13-0033 VLF Up To 2-1/2" Diameter, Grout Fill For Post Hole.....	5.88	
32 31 13 13-0034 VLF 2-1/2" Diameter, Grout Fill For Post Hole.....	7.56	
32 31 13 13-0035 VLF 3" Diameter, Grout Fill For Post Hole.....	8.27	
32 31 13 13-0036 VLF 4" Diameter, Grout Fill For Post Hole.....	9.36	
32 31 13 13-0037 VLF 6" Diameter, Grout Fill For Post Hole.....	13.11	
32 31 13 13-0038 VLF 8" Diameter, Grout Fill For Post Hole.....	17.50	
32 31 13 13-0039 VLF 10" Diameter, Grout Fill For Post Hole.....	21.35	
32 31 13 13-0040 VLF 12" Diameter, Grout Fill For Post Hole.....	24.83	
32 31 13 13-0041 VLF 18" Diameter, Grout Fill For Post Hole.....	33.41	
32 31 13 13-0042 VLF 24" Diameter, Grout Fill For Post Hole.....	41.03	
32 31 13 13-0043 VLF 30" Diameter, Grout Fill For Post Hole.....	48.44	
32 31 13 13-0044 VLF 36" Diameter, Grout Fill For Post Hole.....	56.05	
32 31 13 13-0045 Compacted Earth Fill For Post Holes (32 31 13 13-0018)		
32 31 13 13-0046 VLF Up To 2-1/2" Diameter, Compacted Earth Fill For Post Hole	4.01	
32 31 13 13-0047 VLF 2-1/2" Diameter, Compacted Earth Fill For Post Hole.....	5.23	
32 31 13 13-0048 VLF 3" Diameter, Compacted Earth Fill For Post Hole.....	5.47	
32 31 13 13-0049 VLF 4" Diameter, Compacted Earth Fill For Post Hole.....	5.63	
32 31 13 13-0050 VLF 6" Diameter, Compacted Earth Fill For Post Hole.....	7.51	
32 31 13 13-0051 VLF 8" Diameter, Compacted Earth Fill For Post Hole.....	10.02	
32 31 13 13-0052 VLF 10" Diameter, Compacted Earth Fill For Post Hole.....	12.02	
32 31 13 13-0053 VLF 12" Diameter, Compacted Earth Fill For Post Hole.....	13.63	
32 31 13 13-0054 VLF 18" Diameter, Compacted Earth Fill For Post Hole.....	16.61	
32 31 13 13-0055 VLF 24" Diameter, Compacted Earth Fill For Post Hole.....	18.64	



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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0056 VLF 30" Diameter, Compacted Earth Fill For Post Hole.....	20.44	
32 31 13 13-0057 VLF 36" Diameter, Compacted Earth Fill For Post Hole.....	22.05	
32 31 13 13-0058 Fence Posts <small>(32 31 13 13)</small> Note: Demolition excludes concrete footing removal on posts and excavation. See CSI section 31 23 16 36-0009 for hand excavation for footing removal (where required), 32 31 13 13-0001 for drilling for augering holes and backfill.		
32 31 13 13-0059 Fence Posts <small>(32 31 13 13-0058)</small>		
32 31 13 13-0060 1-7/8" H-Beam Post Without Top Rail Fitting, Galvanized Steel <small>(32 31 13 13-0059)</small> Note: Includes cap and accessories.		
32 31 13 13-0061 LF 1-7/8" Galvanized H-beam Post, Up To 6' In Length.....	9.69	2.47
For Each Top Rail Fitting, Add	0.85	
32 31 13 13-0062 LF 1-7/8" Galvanized H-beam Post, 7' To 10' In Length.....	8.99	2.11
For Each Top Rail Fitting, Add	0.85	
32 31 13 13-0063 LF 1-7/8" Galvanized H-beam Post, 11' To 15' In Length.....	8.13	1.74
For Each Top Rail Fitting, Add	0.85	
32 31 13 13-0064 LF 1-7/8" Galvanized H-beam Post, 16' To 20' In Length.....	7.45	1.37
For Each Top Rail Fitting, Add	0.85	
32 31 13 13-0065 LF 1-7/8" Galvanized H-beam Post, 21' To 24' In Length.....	6.98	1.19
For Each Top Rail Fitting, Add	0.85	
32 31 13 13-0066 LF 1-7/8" Galvanized H-beam Post, >24' In Length.....	6.26	0.83
For Each Top Rail Fitting, Add	0.85	
32 31 13 13-0067 Post Without Top Rail Fitting, Galvanized Steel (1.66" Nominal) <small>(32 31 13 13-0059)</small> Note: 1-5/8" outside diameter, Schedule 40. Includes cap and accessories.		
32 31 13 13-0068 LF 1-5/8" Outside Diameter Galvanized Steel Post, Up To 6' In Length.....	7.21	2.29
For Each Top Rail Fitting, Add	0.85	
For Each Single Barbed Wire Arm, Add	1.90	
For Each Double Barbed Wire Arm, Add	3.40	
For SS40 (Hot-Dip Galvanized And Chromated), Add	0.66	
For Vinyl Coated, Add	1.57	
For Powder Coated, Add	2.10	
For Aluminum Coated, Add	3.28	
For Schedule 20, Deduct	-0.52	
For Schedule 80, Add	1.72	
32 31 13 13-0069 LF 1-5/8" Outside Diameter Galvanized Steel Post, 7' To 10' In Length.....	6.50	1.93
For Each Top Rail Fitting, Add	0.85	
For Each Single Barbed Wire Arm, Add	1.90	
For Each Double Barbed Wire Arm, Add	3.40	
For SS40 (Hot-Dip Galvanized And Chromated), Add	0.66	
For Vinyl Coated, Add	1.57	
For Powder Coated, Add	2.10	
For Aluminum Coated, Add	3.28	
For Schedule 20, Deduct	-0.52	
For Schedule 80, Add	1.65	
32 31 13 13-0070 LF 1-5/8" Outside Diameter Galvanized Steel Post, 11' To 15' In Length.....	5.71	1.56
For Each Top Rail Fitting, Add	0.85	
For Each Single Barbed Wire Arm, Add	1.90	
For Each Double Barbed Wire Arm, Add	3.40	
For SS40 (Hot-Dip Galvanized And Chromated), Add	0.66	
For Vinyl Coated, Add	1.57	
For Powder Coated, Add	2.10	
For Aluminum Coated, Add	3.28	
For Schedule 20, Deduct	-0.52	
For Schedule 80, Add	1.57	
32 31 13 13-0071 LF 1-5/8" Outside Diameter Galvanized Steel Post, 16' To 20' In Length.....	5.10	1.19
For Each Top Rail Fitting, Add	0.85	
For Each Single Barbed Wire Arm, Add	1.90	
For Each Double Barbed Wire Arm, Add	3.40	
For SS40 (Hot-Dip Galvanized And Chromated), Add	0.66	
For Vinyl Coated, Add	1.57	
For Powder Coated, Add	2.10	
For Aluminum Coated, Add	3.28	
For Schedule 20, Deduct	-0.52	
For Schedule 80, Add	1.51	
32 31 13 13-0072 LF 1-5/8" Outside Diameter Galvanized Steel Post, 21' To 24' In Length.....	4.69	1.01
For Each Top Rail Fitting, Add	0.85	
For Each Single Barbed Wire Arm, Add	1.90	
For Each Double Barbed Wire Arm, Add	3.40	
For SS40 (Hot-Dip Galvanized And Chromated), Add	0.66	
For Vinyl Coated, Add	1.57	
For Powder Coated, Add	2.10	
For Aluminum Coated, Add	3.28	
For Schedule 20, Deduct	-0.52	
For Schedule 80, Add	1.46	

32 Exterior Improvements**32 30 Site Improvements****32 31 Fences And Gates**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0073 LF 1-5/8" Outside Diameter Galvanized Steel Post, >24' In Length.....	4.24	0.83
For Each Top Rail Fitting, Add	0.85	
For Each Single Barbed Wire Arm, Add	1.90	
For Each Double Barbed Wire Arm, Add	3.40	
For SS40 (Hot-Dip Galvanized And Chromated), Add	0.66	
For Vinyl Coated, Add	1.57	
For Powder Coated, Add	2.10	
For Aluminum Coated, Add	3.28	
For Schedule 20, Deduct	-0.52	
For Schedule 80, Add	1.42	
32 31 13 13-0074 Post Without Top Rail Fitting, Galvanized Steel (1.90" Nominal) (32 31 13 13-0059)		
Note: 2" outside diameter, Schedule 40. Includes cap and accessories.		
32 31 13 13-0075 LF 2" Outside Diameter Galvanized Steel Post, Up To 6' In Length	7.94	2.39
For Each Top Rail Fitting, Add	1.35	
For Each Single Barbed Wire Arm, Add	2.65	
For Each Double Barbed Wire Arm, Add	4.88	
For SS40 (Hot-Dip Galvanized And Chromated), Add	0.80	
For Vinyl Coated, Add	1.92	
For Powder Coated, Add	2.56	
For Aluminum Coated, Add	4.00	
For Schedule 20, Deduct	-0.64	
For Schedule 80, Add	2.01	
32 31 13 13-0076 LF 2" Outside Diameter Galvanized Steel Post, 7' To 10' In Length	7.31	2.02
For Each Top Rail Fitting, Add	1.35	
For Each Single Barbed Wire Arm, Add	2.65	
For Each Double Barbed Wire Arm, Add	4.88	
For SS40 (Hot-Dip Galvanized And Chromated), Add	0.80	
For Vinyl Coated, Add	1.92	
For Powder Coated, Add	2.56	
For Aluminum Coated, Add	4.00	
For Schedule 20, Deduct	-0.64	
For Schedule 80, Add	1.95	
32 31 13 13-0077 LF 2" Outside Diameter Galvanized Steel Post, 11' To 15' In Length	6.48	1.66
For Each Top Rail Fitting, Add	1.35	
For Each Single Barbed Wire Arm, Add	2.65	
For Each Double Barbed Wire Arm, Add	4.88	
For SS40 (Hot-Dip Galvanized And Chromated), Add	0.80	
For Vinyl Coated, Add	1.92	
For Powder Coated, Add	2.56	
For Aluminum Coated, Add	4.00	
For Schedule 20, Deduct	-0.64	
For Schedule 80, Add	1.86	
32 31 13 13-0078 LF 2" Outside Diameter Galvanized Steel Post, 16' To 20' In Length	5.83	1.29
For Each Top Rail Fitting, Add	1.35	
For Each Single Barbed Wire Arm, Add	2.65	
For Each Double Barbed Wire Arm, Add	4.88	
For SS40 (Hot-Dip Galvanized And Chromated), Add	0.80	
For Vinyl Coated, Add	1.92	
For Powder Coated, Add	2.56	
For Aluminum Coated, Add	4.00	
For Schedule 20, Deduct	-0.64	
For Schedule 80, Add	1.80	
32 31 13 13-0079 LF 2" Outside Diameter Galvanized Steel Post, 21' To 24' In Length	5.38	1.10
For Each Top Rail Fitting, Add	1.35	
For Each Single Barbed Wire Arm, Add	2.65	
For Each Double Barbed Wire Arm, Add	4.88	
For SS40 (Hot-Dip Galvanized And Chromated), Add	0.80	
For Vinyl Coated, Add	1.92	
For Powder Coated, Add	2.56	
For Aluminum Coated, Add	4.00	
For Schedule 20, Deduct	-0.64	
For Schedule 80, Add	1.75	
32 31 13 13-0080 LF 2" Outside Diameter Galvanized Steel Post, >24' In Length.....	4.98	0.92
For Each Top Rail Fitting, Add	1.35	
For Each Single Barbed Wire Arm, Add	2.65	
For Each Double Barbed Wire Arm, Add	4.88	
For SS40 (Hot-Dip Galvanized And Chromated), Add	0.80	
For Vinyl Coated, Add	1.92	
For Powder Coated, Add	2.56	
For Aluminum Coated, Add	4.00	
For Schedule 20, Deduct	-0.64	
For Schedule 80, Add	1.71	
32 31 13 13-0081 Post Without Top Rail Fitting, Galvanized Steel (2.375" Nominal) (32 31 13 13-0059)		
Note: 2-1/2" outside diameter, Schedule 40. Includes cap and accessories.		



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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0082 LF 2-1/2" Outside Diameter Galvanized Steel Post, Up To 6' In Length.....	9.26	2.57
For Each Top Rail Fitting, Add	1.35	
For Each Single Barbed Wire Arm, Add	2.65	
For Each Double Barbed Wire Arm, Add	4.88	
For SS40 (Hot-Dip Galvanized And Chromated), Add	1.07	
For Vinyl Coated, Add	2.56	
For Powder Coated, Add	3.41	
For Aluminum Coated, Add	5.33	
For Schedule 20, Deduct	-0.85	
For Schedule 80, Add	2.54	
32 31 13 13-0083 LF 2-1/2" Outside Diameter Galvanized Steel Post, 7' To 10' In Length.....	8.56	2.20
For Each Top Rail Fitting, Add	1.35	
For Each Single Barbed Wire Arm, Add	2.65	
For Each Double Barbed Wire Arm, Add	4.88	
For SS40 (Hot-Dip Galvanized And Chromated), Add	1.07	
For Vinyl Coated, Add	2.56	
For Powder Coated, Add	3.41	
For Aluminum Coated, Add	5.33	
For Schedule 20, Deduct	-0.85	
For Schedule 80, Add	2.47	
32 31 13 13-0084 LF 2-1/2" Outside Diameter Galvanized Steel Post, 11' To 15' In Length.....	7.70	1.74
For Each Top Rail Fitting, Add	1.35	
For Each Single Barbed Wire Arm, Add	2.65	
For Each Double Barbed Wire Arm, Add	4.88	
For SS40 (Hot-Dip Galvanized And Chromated), Add	1.07	
For Vinyl Coated, Add	2.56	
For Powder Coated, Add	3.41	
For Aluminum Coated, Add	5.33	
For Schedule 20, Deduct	-0.85	
For Schedule 80, Add	2.39	
32 31 13 13-0085 LF 2-1/2" Outside Diameter Galvanized Steel Post, 16' To 20' In Length.....	7.02	1.37
For Each Top Rail Fitting, Add	1.35	
For Each Single Barbed Wire Arm, Add	2.65	
For Each Double Barbed Wire Arm, Add	4.88	
For SS40 (Hot-Dip Galvanized And Chromated), Add	1.07	
For Vinyl Coated, Add	2.56	
For Powder Coated, Add	3.41	
For Aluminum Coated, Add	5.33	
For Schedule 20, Deduct	-0.85	
For Schedule 80, Add	2.32	
32 31 13 13-0086 LF 2-1/2" Outside Diameter Galvanized Steel Post, 21 To 24' In Length.....	6.55	1.19
For Each Top Rail Fitting, Add	1.35	
For Each Single Barbed Wire Arm, Add	2.65	
For Each Double Barbed Wire Arm, Add	4.88	
For SS40 (Hot-Dip Galvanized And Chromated), Add	1.07	
For Vinyl Coated, Add	2.56	
For Powder Coated, Add	3.41	
For Aluminum Coated, Add	5.33	
For Schedule 20, Deduct	-0.85	
For Schedule 80, Add	2.27	
32 31 13 13-0087 LF 2-1/2" Outside Diameter Galvanized Steel Post, >24' In Length.....	6.12	0.92
For Each Top Rail Fitting, Add	1.35	
For Each Single Barbed Wire Arm, Add	2.65	
For Each Double Barbed Wire Arm, Add	4.88	
For SS40 (Hot-Dip Galvanized And Chromated), Add	1.07	
For Vinyl Coated, Add	2.56	
For Powder Coated, Add	3.41	
For Aluminum Coated, Add	5.33	
For Schedule 20, Deduct	-0.85	
For Schedule 80, Add	2.23	
32 31 13 13-0088 Post Without Top Rail Fitting, Galvanized Steel (2.875" Nominal) (32 31 13 13-0059)		
Note: 3" outside diameter, Schedule 40. Includes cap and accessories.		
32 31 13 13-0089 LF 3" Outside Diameter Galvanized Steel Post, Up To 6' In Length.....	11.86	2.76
For Each Top Rail Fitting, Add	1.85	
For Each Single Barbed Wire Arm, Add	3.85	
For Each Double Barbed Wire Arm, Add	7.05	
For SS40 (Hot-Dip Galvanized And Chromated), Add	1.59	
For Vinyl Coated, Add	3.82	
For Powder Coated, Add	5.09	
For Aluminum Coated, Add	7.95	
For Schedule 20, Deduct	-1.27	
For Schedule 80, Add	3.60	
32 31 13 13-0090 LF 3" Outside Diameter Galvanized Steel Post, 7' To 10' In Length.....	11.10	2.39
For Each Top Rail Fitting, Add	1.85	
For Each Single Barbed Wire Arm, Add	3.85	
For Each Double Barbed Wire Arm, Add	7.05	
For SS40 (Hot-Dip Galvanized And Chromated), Add	1.59	
For Vinyl Coated, Add	3.82	
For Powder Coated, Add	5.09	
For Aluminum Coated, Add	7.95	
For Schedule 20, Deduct	-1.27	
For Schedule 80, Add	3.53	

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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0091 LF 3" Outside Diameter Galvanized Steel Post, 11' To 15' In Length	10.18	1.93
For Each Top Rail Fitting, Add	1.85	
For Each Single Barbed Wire Arm, Add	3.85	
For Each Double Barbed Wire Arm, Add	7.05	
For SS40 (Hot-Dip Galvanized And Chromated), Add	1.59	
For Vinyl Coated, Add	3.82	
For Powder Coated, Add	5.09	
For Aluminum Coated, Add	7.95	
For Schedule 20, Deduct	-1.27	
For Schedule 80, Add	3.43	
32 31 13 13-0092 LF 3" Outside Diameter Galvanized Steel Post, 16' To 20' In Length	9.42	1.56
For Each Top Rail Fitting, Add	1.85	
For Each Single Barbed Wire Arm, Add	3.85	
For Each Double Barbed Wire Arm, Add	7.05	
For SS40 (Hot-Dip Galvanized And Chromated), Add	1.59	
For Vinyl Coated, Add	3.82	
For Powder Coated, Add	5.09	
For Aluminum Coated, Add	7.95	
For Schedule 20, Deduct	-1.27	
For Schedule 80, Add	3.36	
32 31 13 13-0093 LF 3" Outside Diameter Galvanized Steel Post, 21' To 24' In Length	8.91	1.29
For Each Top Rail Fitting, Add	1.85	
For Each Single Barbed Wire Arm, Add	3.85	
For Each Double Barbed Wire Arm, Add	7.05	
For SS40 (Hot-Dip Galvanized And Chromated), Add	1.59	
For Vinyl Coated, Add	3.82	
For Powder Coated, Add	5.09	
For Aluminum Coated, Add	7.95	
For Schedule 20, Deduct	-1.27	
For Schedule 80, Add	3.31	
32 31 13 13-0094 LF 3" Outside Diameter Galvanized Steel Post, >24' In Length	8.43	1.01
For Each Top Rail Fitting, Add	1.85	
For Each Single Barbed Wire Arm, Add	3.85	
For Each Double Barbed Wire Arm, Add	7.05	
For SS40 (Hot-Dip Galvanized And Chromated), Add	1.59	
For Vinyl Coated, Add	3.82	
For Powder Coated, Add	5.09	
For Aluminum Coated, Add	7.95	
For Schedule 20, Deduct	-1.27	
For Schedule 80, Add	3.26	
32 31 13 13-0095 Post Without Top Rail Fitting, Galvanized Steel, (4" Nominal) <small>(32 31 13 13-0059)</small>		
Note: 4" outside diameter, Schedule 40. Includes cap and accessories.		
32 31 13 13-0096 LF 4" Outside Diameter Galvanized Steel Post, Up To 6' In Length	16.14	2.93
For Each Top Rail Fitting, Add	2.60	
For Each Single Barbed Wire Arm, Add	5.10	
For Each Double Barbed Wire Arm, Add	11.25	
For SS40 (Hot-Dip Galvanized And Chromated), Add	2.59	
For Vinyl Coated, Add	6.20	
For Powder Coated, Add	8.27	
For Aluminum Coated, Add	12.93	
For Schedule 20, Deduct	-2.07	
For Schedule 80, Add	5.54	
32 31 13 13-0097 LF 4" Outside Diameter Galvanized Steel Post, 7' To 10' In Length	15.17	2.39
For Each Top Rail Fitting, Add	2.60	
For Each Single Barbed Wire Arm, Add	5.10	
For Each Double Barbed Wire Arm, Add	11.25	
For SS40 (Hot-Dip Galvanized And Chromated), Add	2.59	
For Vinyl Coated, Add	6.20	
For Powder Coated, Add	8.27	
For Aluminum Coated, Add	12.93	
For Schedule 20, Deduct	-2.07	
For Schedule 80, Add	5.45	
32 31 13 13-0098 LF 4" Outside Diameter Galvanized Steel Post, 11' To 15' In Length	14.36	2.02
For Each Top Rail Fitting, Add	2.60	
For Each Single Barbed Wire Arm, Add	5.10	
For Each Double Barbed Wire Arm, Add	11.25	
For SS40 (Hot-Dip Galvanized And Chromated), Add	2.59	
For Vinyl Coated, Add	6.20	
For Powder Coated, Add	8.27	
For Aluminum Coated, Add	12.93	
For Schedule 20, Deduct	-2.07	
For Schedule 80, Add	5.37	
32 31 13 13-0099 LF 4" Outside Diameter Galvanized Steel Post, 16' To 20' In Length	13.57	1.66
For Each Top Rail Fitting, Add	2.60	
For Each Single Barbed Wire Arm, Add	5.10	
For Each Double Barbed Wire Arm, Add	11.25	
For SS40 (Hot-Dip Galvanized And Chromated), Add	2.59	
For Vinyl Coated, Add	6.20	
For Powder Coated, Add	8.27	
For Aluminum Coated, Add	12.93	
For Schedule 20, Deduct	-2.07	
For Schedule 80, Add	5.29	



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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0100 LF 4" Outside Diameter Galvanized Steel Post, 21' To 24' In Length.....	13.56	1.66
For Each Top Rail Fitting, Add	2.60	
For Each Single Barbed Wire Arm, Add	5.10	
For Each Double Barbed Wire Arm, Add	11.25	
For SS40 (Hot-Dip Galvanized And Chromated), Add	2.59	
For Vinyl Coated, Add	6.20	
For Powder Coated, Add	8.27	
For Aluminum Coated, Add	12.93	
For Schedule 20, Deduct	-2.07	
For Schedule 80, Add	5.29	
32 31 13 13-0101 LF 4" Outside Diameter Galvanized Steel Post, >24' In Length.....	12.63	1.19
For Each Top Rail Fitting, Add	2.60	
For Each Single Barbed Wire Arm, Add	5.10	
For Each Double Barbed Wire Arm, Add	11.25	
For SS40 (Hot-Dip Galvanized And Chromated), Add	2.59	
For Vinyl Coated, Add	6.20	
For Powder Coated, Add	8.27	
For Aluminum Coated, Add	12.93	
For Schedule 20, Deduct	-2.07	
For Schedule 80, Add	5.19	
32 31 13 13-0102 Post Without Top Rail Fitting, Galvanized Steel (6.625" Nominal) <small>(32 31 13 13-0059)</small>		
<small>Note: 6-5/8" outside diameter, Schedule 40. Includes cap and accessories.</small>		
32 31 13 13-0103 LF 6-5/8" Outside Diameter Galvanized Steel Post, Up To 6' In Length.....	28.36	3.21
For Each Top Rail Fitting, Add	4.55	
For Each Single Barbed Wire Arm, Add	7.15	
For Each Double Barbed Wire Arm, Add	14.95	
For SS40 (Hot-Dip Galvanized And Chromated), Add	5.48	
For Vinyl Coated, Add	13.15	
For Powder Coated, Add	17.54	
For Aluminum Coated, Add	27.40	
For Schedule 20, Deduct	-4.38	
For Schedule 80, Add	11.17	
32 31 13 13-0104 LF 6-5/8" Outside Diameter Galvanized Steel Post, 7' To 10' In Length.....	27.31	2.66
For Each Top Rail Fitting, Add	4.55	
For Each Single Barbed Wire Arm, Add	7.15	
For Each Double Barbed Wire Arm, Add	14.95	
For SS40 (Hot-Dip Galvanized And Chromated), Add	5.48	
For Vinyl Coated, Add	13.15	
For Powder Coated, Add	17.54	
For Aluminum Coated, Add	27.40	
For Schedule 20, Deduct	-4.38	
For Schedule 80, Add	11.06	
32 31 13 13-0105 LF 6-5/8" Outside Diameter Galvanized Steel Post, 11' To 15' In Length.....	26.40	2.20
For Each Top Rail Fitting, Add	4.55	
For Each Single Barbed Wire Arm, Add	7.15	
For Each Double Barbed Wire Arm, Add	14.95	
For SS40 (Hot-Dip Galvanized And Chromated), Add	5.48	
For Vinyl Coated, Add	13.15	
For Powder Coated, Add	17.54	
For Aluminum Coated, Add	27.40	
For Schedule 20, Deduct	-4.38	
For Schedule 80, Add	10.97	
32 31 13 13-0106 LF 6-5/8" Outside Diameter Galvanized Steel Post, 16' To 20' In Length.....	25.49	1.74
For Each Top Rail Fitting, Add	4.55	
For Each Single Barbed Wire Arm, Add	7.15	
For Each Double Barbed Wire Arm, Add	14.95	
For SS40 (Hot-Dip Galvanized And Chromated), Add	5.48	
For Vinyl Coated, Add	13.15	
For Powder Coated, Add	17.54	
For Aluminum Coated, Add	27.40	
For Schedule 20, Deduct	-4.38	
For Schedule 80, Add	10.88	
32 31 13 13-0107 LF 6-5/8" Outside Diameter Galvanized Steel Post, 21' To 24' In Length.....	24.98	1.56
For Each Top Rail Fitting, Add	4.55	
For Each Single Barbed Wire Arm, Add	7.15	
For Each Double Barbed Wire Arm, Add	14.95	
For SS40 (Hot-Dip Galvanized And Chromated), Add	5.48	
For Vinyl Coated, Add	13.15	
For Powder Coated, Add	17.54	
For Aluminum Coated, Add	27.40	
For Schedule 20, Deduct	-4.38	
For Schedule 80, Add	10.83	
32 31 13 13-0108 LF 6-5/8" Outside Diameter Galvanized Steel Post, >24' In Length.....	24.47	1.29
For Each Top Rail Fitting, Add	4.55	
For Each Single Barbed Wire Arm, Add	7.15	
For Each Double Barbed Wire Arm, Add	14.95	
For SS40 (Hot-Dip Galvanized And Chromated), Add	5.48	
For Vinyl Coated, Add	13.15	
For Powder Coated, Add	17.54	
For Aluminum Coated, Add	27.40	
For Schedule 20, Deduct	-4.38	
For Schedule 80, Add	10.78	

32 Exterior Improvements**32 30 Site Improvements****32 31 Fences And Gates**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0109			Post Without Top Rail Fitting, Galvanized Steel (8.625" Nominal) <small>(32 31 13 13-0059)</small> Note: 8-5/8" outside diameter, Schedule 40. Includes cap and accessories.		
32 31 13 13-0110	LF		8-5/8" Outside Diameter Galvanized Steel Post, Up To 6' In Length.....	52.07	3.57
			<i>For Each Top Rail Fitting, Add</i>	7.50	
			<i>For Each Single Barbed Wire Arm, Add</i>	9.15	
			<i>For Each Double Barbed Wire Arm, Add</i>	18.95	
			<i>For SS40 (Hot-Dip Galvanized And Chromated), Add</i>	11.23	
			<i>For Vinyl Coated, Add</i>	26.95	
			<i>For Powder Coated, Add</i>	35.94	
			<i>For Aluminum Coated, Add</i>	56.15	
			<i>For Schedule 20, Deduct</i>	-8.98	
			<i>For Schedule 80, Add</i>	22.28	
32 31 13 13-0111	LF		8-5/8" Outside Diameter Galvanized Steel Post, 7' To 10' In Length.....	50.90	3.03
			<i>For Each Top Rail Fitting, Add</i>	7.50	
			<i>For Each Single Barbed Wire Arm, Add</i>	9.15	
			<i>For Each Double Barbed Wire Arm, Add</i>	18.95	
			<i>For SS40 (Hot-Dip Galvanized And Chromated), Add</i>	11.23	
			<i>For Vinyl Coated, Add</i>	26.95	
			<i>For Powder Coated, Add</i>	35.94	
			<i>For Aluminum Coated, Add</i>	56.15	
			<i>For Schedule 20, Deduct</i>	-8.98	
			<i>For Schedule 80, Add</i>	22.16	
32 31 13 13-0112	LF		8-5/8" Outside Diameter Galvanized Steel Post, 11' To 15' In Length.....	49.88	2.47
			<i>For Each Top Rail Fitting, Add</i>	7.50	
			<i>For Each Single Barbed Wire Arm, Add</i>	9.15	
			<i>For Each Double Barbed Wire Arm, Add</i>	18.95	
			<i>For SS40 (Hot-Dip Galvanized And Chromated), Add</i>	11.23	
			<i>For Vinyl Coated, Add</i>	26.95	
			<i>For Powder Coated, Add</i>	35.94	
			<i>For Aluminum Coated, Add</i>	56.15	
			<i>For Schedule 20, Deduct</i>	-8.98	
			<i>For Schedule 80, Add</i>	22.06	
32 31 13 13-0113	LF		8-5/8" Outside Diameter Galvanized Steel Post, 16' To 20' In Length.....	48.85	1.93
			<i>For Each Top Rail Fitting, Add</i>	7.50	
			<i>For Each Single Barbed Wire Arm, Add</i>	9.15	
			<i>For Each Double Barbed Wire Arm, Add</i>	18.95	
			<i>For SS40 (Hot-Dip Galvanized And Chromated), Add</i>	11.23	
			<i>For Vinyl Coated, Add</i>	26.95	
			<i>For Powder Coated, Add</i>	35.94	
			<i>For Aluminum Coated, Add</i>	56.15	
			<i>For Schedule 20, Deduct</i>	-8.98	
			<i>For Schedule 80, Add</i>	21.95	
32 31 13 13-0114	LF		8-5/8" Outside Diameter Galvanized Steel Post, 21' To 24' In Length.....	48.32	1.66
			<i>For Each Top Rail Fitting, Add</i>	7.50	
			<i>For Each Single Barbed Wire Arm, Add</i>	9.15	
			<i>For Each Double Barbed Wire Arm, Add</i>	18.95	
			<i>For SS40 (Hot-Dip Galvanized And Chromated), Add</i>	11.23	
			<i>For Vinyl Coated, Add</i>	26.95	
			<i>For Powder Coated, Add</i>	35.94	
			<i>For Aluminum Coated, Add</i>	56.15	
			<i>For Schedule 20, Deduct</i>	-8.98	
			<i>For Schedule 80, Add</i>	21.90	
32 31 13 13-0115	LF		8-5/8" Outside Diameter Galvanized Steel Post, >24' In Length.....	47.75	1.37
			<i>For Each Top Rail Fitting, Add</i>	7.50	
			<i>For Each Single Barbed Wire Arm, Add</i>	9.15	
			<i>For Each Double Barbed Wire Arm, Add</i>	18.95	
			<i>For SS40 (Hot-Dip Galvanized And Chromated), Add</i>	11.23	
			<i>For Vinyl Coated, Add</i>	26.95	
			<i>For Powder Coated, Add</i>	35.94	
			<i>For Aluminum Coated, Add</i>	56.15	
			<i>For Schedule 20, Deduct</i>	-8.98	
			<i>For Schedule 80, Add</i>	21.84	
32 31 13 13-0116			Driven Post Supports <small>(32 31 13 13)</small> Note: OZ-Post.		
32 31 13 13-0117			Driven Post Support For Round Chain Link Fence Posts <small>(32 31 13 13-0116)</small>		
32 31 13 13-0118	EA		26" Driven Post Support For 1-5/8" Round Chain Link Fence Post.....	46.73	
			Note: OZ-Post GB-700.		
32 31 13 13-0119	EA		26" Driven Post Support For 1-7/8" Round Chain Link Fence Post.....	46.73	
			Note: OZ-Post HB-700.		
32 31 13 13-0120	EA		26" Driven Post Support For 2-3/8" Round Chain Link Fence Post.....	47.55	
			Note: OZ-Post IS-600.		
32 31 13 13-0121	EA		32" Driven Post Support For 2-3/8" Round Chain Link Fence Post.....	57.77	
			Note: OZ-Post ISW-850.		
32 31 13 13-0122			Driven Post Support For Square Ornamental Fence Posts <small>(32 31 13 13-0116)</small>		
32 31 13 13-0123	EA		34" Driven Post Support For 1-3/4" Square Ornamental Fence Post.....	55.30	
			Note: OZ-Post C175-850.		
32 31 13 13-0124	EA		24" Driven Post Support For 2" Square Ornamental Fence Post.....	54.07	
			Note: OZ-Post I2-600.		
32 31 13 13-0125	EA		34" Driven Post Support For 2" Square Ornamental Fence Post.....	55.55	
			Note: OZ-Post I2-850.		



Exterior Improvements	32	32
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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0126 EA 34" Driven Post Support For 2-1/2" Square Ornamental Fence Post Note: OZ-Post I25-850.	57.77	
32 31 13 13-0127 EA 34" Driven Post Support For 3" Square Ornamental Fence Post..... Note: OZ-Post I3-850.	57.77	
32 31 13 13-0128 Driven Post Support For Wooden Fence Posts <small>(32 31 13 13-0116)</small>		
32 31 13 13-0129 EA 24" Driven Post Support For 3-1/2" Square Wooden Fence Post..... Note: OZ-Post T4-600.	51.12	
32 31 13 13-0130 EA 34" Driven Post Support For 3-1/2" Square Wooden Fence Post..... Note: OZ-Post T4-850.	56.53	
32 31 13 13-0131 EA 34" Driven Post Support For 3-3/4" Square Wooden Fence Post..... Note: OZ-Post C4-850.	59.41	
32 31 13 13-0132 EA 34" Driven Post Support For 4" Square Wooden Fence Post..... Note: OZ-Post P4-850.	59.42	
32 31 13 13-0133 EA 36" Driven Post Support For 4" x 6" Wooden Fence Post Note: OZ-Post T46-850.	64.76	
32 31 13 13-0134 EA 36" Driven Post Support For 6" Square Wooden Fence Post..... Note: OZ-Post T6-850.	68.54	
32 31 13 13-0135 Driven Post Support For Vinyl Fence Posts <small>(32 31 13 13-0116)</small>		
32 31 13 13-0136 EA 24" Driven Post Support For 3-1/2" Square Vinyl Fence Post Note: OZ-Post T4-600.	51.12	
32 31 13 13-0137 EA 34" Driven Post Support For 3-1/2" Square Vinyl Fence Post Note: OZ-Post T4-850.	56.53	
32 31 13 13-0138 EA 34" Driven Post Support For 4" Square Vinyl Fence Post..... Note: OZ-Post P4-850.	59.42	
32 31 13 13-0139 EA 34" Driven Post Support For 5" Square Vinyl Fence Post..... Note: OZ-Post P4-850.	60.07	
32 31 13 13-0140 Chain Link Fence Assemblies <small>(32 31 13 13)</small>		
32 31 13 13-0141 Chain Link Fence Assembly With 2-1/2" Line Post And 3" Corner Posts <small>(32 31 13 13-0140)</small> Note: Includes 2" 9 gauge coiled spring mesh (knuckled selvage), tension bars, post tension bands, wire ties, truss rod (at corners or posts), 1-5/8" top rail, 1-5/8" bottom rail, 2-1/2" line post and 3" corner posts. Posts exclude drilling or augering in soil or rock, concrete or soil fill. Heights indicated are from ground to top of installed pole. Minimum 2' bury with up to one third of exposed post height to be buried in ground. Demolition excludes concrete footing removal on posts and excavation. See CSI section 31 23 16 36-0009 for hand excavation for footing removal (where required), 32 31 13 13-0640 for barb wire attachments.		
32 31 13 13-0142 Galvanized <small>(32 31 13 13-0141)</small>		
32 31 13 13-0143 LF 3' Galvanized Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post <i>For Surface Mount On Concrete (Excludes Drilling And Anchors), Add</i> <i>For 13 Gauge Fabric, Deduct</i> <i>For 11 Gauge Fabric, Deduct</i> <i>For 6 Gauge Fabric, Add</i> <i>For 1" Mesh Fabric, Add</i> <i>For 1-3/4" Mesh Fabric, Add</i> <i>For 2-1/8" Mesh Fabric, Deduct</i> <i>For 2-3/8" Mesh Fabric, Deduct</i> <i>For Posts 8' On Centers, Add</i> <i>For Posts 5' On Centers, Add</i> <i>For Up To 100, Add</i> <i>For >100 To 250, Add</i> <i>For >2,500 To 5,000, Deduct</i> <i>For >5,000, Deduct</i>	21.00 1.66 -3.05 -1.78 2.80 3.82 1.53 -0.76 -1.02 1.20 4.57 4.37 1.66 -0.83 -1.66	3.12
32 31 13 13-0144 LF 3'-6" Galvanized Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post..... <i>For Surface Mount On Concrete (Excludes Drilling And Anchors), Add</i> <i>For 13 Gauge Fabric, Deduct</i> <i>For 11 Gauge Fabric, Deduct</i> <i>For 6 Gauge Fabric, Add</i> <i>For 1" Mesh Fabric, Add</i> <i>For 1-3/4" Mesh Fabric, Add</i> <i>For 2-1/8" Mesh Fabric, Deduct</i> <i>For 2-3/8" Mesh Fabric, Deduct</i> <i>For Posts 8' On Centers, Add</i> <i>For Posts 5' On Centers, Add</i> <i>For Up To 100, Add</i> <i>For >100 To 250, Add</i> <i>For >2,500 To 5,000, Deduct</i> <i>For >5,000, Deduct</i>	21.79 1.71 -3.26 -1.90 2.99 4.08 1.63 -0.82 -1.09 1.24 4.73 4.51 1.71 -0.86 -1.71	3.12

32 Exterior Improvements**32 30 Site Improvements****32 31 Fences And Gates**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13	13-0145	LF	4' Galvanized Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post.....	22.47	3.12
			<i>For Surface Mount On Concrete (Excludes Drilling And Anchors), Add</i>	1.75	
			<i>For 13 Gauge Fabric, Deduct</i>	-3.43	
			<i>For 11 Gauge Fabric, Deduct</i>	-2.00	
			<i>For 6 Gauge Fabric, Add</i>	3.15	
			<i>For 1" Mesh Fabric, Add</i>	4.29	
			<i>For 1-3/4" Mesh Fabric, Add</i>	1.72	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-0.86	
			<i>For 2-3/8" Mesh Fabric, Deduct</i>	-1.14	
			<i>For Posts 8' On Centers, Add</i>	1.27	
			<i>For Posts 5' On Centers, Add</i>	4.86	
			<i>For Up To 100, Add</i>	4.63	
			<i>For >100 To 250, Add</i>	1.75	
			<i>For >2,500 To 5,000, Deduct</i>	-0.88	
			<i>For >5,000, Deduct</i>	-1.75	
32 31 13	13-0146	LF	5' Galvanized Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post.....	24.07	3.12
			<i>For Surface Mount On Concrete (Excludes Drilling And Anchors), Add</i>	1.85	
			<i>For 13 Gauge Fabric, Deduct</i>	-3.84	
			<i>For 11 Gauge Fabric, Deduct</i>	-2.25	
			<i>For 6 Gauge Fabric, Add</i>	3.53	
			<i>For 1" Mesh Fabric, Add</i>	4.81	
			<i>For 1-3/4" Mesh Fabric, Add</i>	1.92	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-0.96	
			<i>For 2-3/8" Mesh Fabric, Deduct</i>	-1.28	
			<i>For Posts 8' On Centers, Add</i>	1.36	
			<i>For Posts 5' On Centers, Add</i>	5.18	
			<i>For Up To 100, Add</i>	4.91	
			<i>For >100 To 250, Add</i>	1.85	
			<i>For >2,500 To 5,000, Deduct</i>	-0.93	
			<i>For >5,000, Deduct</i>	-1.85	
32 31 13	13-0147	LF	6' Galvanized Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post.....	26.11	3.12
			<i>For Surface Mount On Concrete (Excludes Drilling And Anchors), Add</i>	2.00	
			<i>For 13 Gauge Fabric, Deduct</i>	-4.26	
			<i>For 11 Gauge Fabric, Deduct</i>	-2.49	
			<i>For 6 Gauge Fabric, Add</i>	3.91	
			<i>For 1" Mesh Fabric, Add</i>	5.33	
			<i>For 1-3/4" Mesh Fabric, Add</i>	2.13	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-1.07	
			<i>For 2-3/8" Mesh Fabric, Deduct</i>	-1.42	
			<i>For Posts 8' On Centers, Add</i>	1.47	
			<i>For Posts 5' On Centers, Add</i>	5.60	
			<i>For Up To 100, Add</i>	5.30	
			<i>For >100 To 250, Add</i>	2.00	
			<i>For >2,500 To 5,000, Deduct</i>	-1.00	
			<i>For >5,000, Deduct</i>	-2.00	
32 31 13	13-0148	LF	7' Galvanized Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post.....	27.32	4.68
			<i>For Surface Mount On Concrete (Excludes Drilling And Anchors), Add</i>	2.08	
			<i>For 13 Gauge Fabric, Deduct</i>	-4.50	
			<i>For 11 Gauge Fabric, Deduct</i>	-2.63	
			<i>For 6 Gauge Fabric, Add</i>	4.13	
			<i>For 1" Mesh Fabric, Add</i>	5.63	
			<i>For 1-3/4" Mesh Fabric, Add</i>	2.25	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-1.13	
			<i>For 2-3/8" Mesh Fabric, Deduct</i>	-1.50	
			<i>For Posts 8' On Centers, Add</i>	1.54	
			<i>For Posts 5' On Centers, Add</i>	5.85	
			<i>For Up To 100, Add</i>	5.54	
			<i>For >100 To 250, Add</i>	2.08	
			<i>For >2,500 To 5,000, Deduct</i>	-1.04	
			<i>For >5,000, Deduct</i>	-2.08	
32 31 13	13-0149	LF	8' Galvanized Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post.....	30.49	5.46
			<i>For Surface Mount On Concrete (Excludes Drilling And Anchors), Add</i>	2.29	
			<i>For 13 Gauge Fabric, Deduct</i>	-5.28	
			<i>For 11 Gauge Fabric, Deduct</i>	-3.08	
			<i>For 6 Gauge Fabric, Add</i>	4.84	
			<i>For 1" Mesh Fabric, Add</i>	6.60	
			<i>For 1-3/4" Mesh Fabric, Add</i>	2.64	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-1.32	
			<i>For 2-3/8" Mesh Fabric, Deduct</i>	-1.76	
			<i>For Posts 8' On Centers, Add</i>	1.71	
			<i>For Posts 5' On Centers, Add</i>	6.48	
			<i>For Up To 100, Add</i>	6.10	
			<i>For >100 To 250, Add</i>	2.29	
			<i>For >2,500 To 5,000, Deduct</i>	-1.15	
			<i>For >5,000, Deduct</i>	-2.29	



Exterior Improvements	32	32
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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0150 LF 9' Galvanized Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post.....	32.55	7.02
<i>For Surface Mount On Concrete (Excludes Drilling And Anchors), Add</i>	2.43	
<i>For 13 Gauge Fabric, Deduct</i>	-5.74	
<i>For 11 Gauge Fabric, Deduct</i>	-3.35	
<i>For 6 Gauge Fabric, Add</i>	5.27	
<i>For 1" Mesh Fabric, Add</i>	7.19	
<i>For 1-3/4" Mesh Fabric, Add</i>	2.87	
<i>For 2-1/8" Mesh Fabric, Deduct</i>	-1.44	
<i>For 2-3/8" Mesh Fabric, Deduct</i>	-1.92	
<i>For Posts 8' On Centers, Add</i>	1.82	
<i>For Posts 5' On Centers, Add</i>	6.90	
<i>For Up To 100, Add</i>	6.49	
<i>For >100 To 250, Add</i>	2.43	
<i>For >2,500 To 5,000, Deduct</i>	-1.21	
<i>For >5,000, Deduct</i>	-2.43	
32 31 13 13-0151 LF 10' Galvanized Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post.....	34.63	7.80
<i>For Surface Mount On Concrete (Excludes Drilling And Anchors), Add</i>	2.57	
<i>For 13 Gauge Fabric, Deduct</i>	-6.21	
<i>For 11 Gauge Fabric, Deduct</i>	-3.63	
<i>For 6 Gauge Fabric, Add</i>	5.70	
<i>For 1" Mesh Fabric, Add</i>	7.77	
<i>For 1-3/4" Mesh Fabric, Add</i>	3.11	
<i>For 2-1/8" Mesh Fabric, Deduct</i>	-1.55	
<i>For 2-3/8" Mesh Fabric, Deduct</i>	-2.07	
<i>For Posts 8' On Centers, Add</i>	1.93	
<i>For Posts 5' On Centers, Add</i>	7.32	
<i>For Up To 100, Add</i>	6.87	
<i>For >100 To 250, Add</i>	2.57	
<i>For >2,500 To 5,000, Deduct</i>	-1.29	
<i>For >5,000, Deduct</i>	-2.57	
32 31 13 13-0152 LF 12' Galvanized Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post.....	38.48	9.36
<i>For Each Additional Foot >12, Add</i>	3.57	
<i>For Surface Mount On Concrete (Excludes Drilling And Anchors), Add</i>	2.83	
<i>For 13 Gauge Fabric, Deduct</i>	-7.05	
<i>For 11 Gauge Fabric, Deduct</i>	-4.12	
<i>For 6 Gauge Fabric, Add</i>	6.48	
<i>For 1" Mesh Fabric, Add</i>	8.83	
<i>For 1-3/4" Mesh Fabric, Add</i>	3.53	
<i>For 2-1/8" Mesh Fabric, Deduct</i>	-1.77	
<i>For 2-3/8" Mesh Fabric, Deduct</i>	-2.35	
<i>For Posts 8' On Centers, Add</i>	2.14	
<i>For Posts 5' On Centers, Add</i>	8.11	
<i>For Up To 100, Add</i>	7.59	
<i>For >100 To 250, Add</i>	2.83	
<i>For >2,500 To 5,000, Deduct</i>	-1.42	
<i>For >5,000, Deduct</i>	-2.83	
32 31 13 13-0153 Vinyl Coated <small>(32 31 13 13-0141)</small>		
32 31 13 13-0154 LF 4' Vinyl Cover Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post.....	23.35	3.12
<i>For Powder Coated Framework (Posts, Rails, Hardware), Add</i>	1.61	
<i>For Surface Mount On Concrete (Excludes Drilling And Anchors), Add</i>	1.80	
<i>For 13 Gauge Fabric, Deduct</i>	-3.73	
<i>For 11 Gauge Fabric, Deduct</i>	-2.18	
<i>For 6 Gauge Fabric, Add</i>	3.43	
<i>For 1" Mesh Fabric, Add</i>	4.67	
<i>For 1-3/4" Mesh Fabric, Add</i>	1.87	
<i>For 2-1/8" Mesh Fabric, Deduct</i>	-0.93	
<i>For 2-3/8" Mesh Fabric, Deduct</i>	-1.25	
<i>For Posts 8' On Centers, Add</i>	1.32	
<i>For Posts 5' On Centers, Add</i>	5.02	
<i>For Up To 100, Add</i>	4.76	
<i>For >100 To 250, Add</i>	1.80	
<i>For >2,500 To 5,000, Deduct</i>	-0.90	
<i>For >5,000, Deduct</i>	-1.80	
32 31 13 13-0155 LF 5' Vinyl Cover Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post.....	25.17	3.12
<i>For Powder Coated Framework (Posts, Rails, Hardware), Add</i>	1.82	
<i>For Surface Mount On Concrete (Excludes Drilling And Anchors), Add</i>	1.91	
<i>For 13 Gauge Fabric, Deduct</i>	-4.23	
<i>For 11 Gauge Fabric, Deduct</i>	-2.47	
<i>For 6 Gauge Fabric, Add</i>	3.88	
<i>For 1" Mesh Fabric, Add</i>	5.29	
<i>For 1-3/4" Mesh Fabric, Add</i>	2.12	
<i>For 2-1/8" Mesh Fabric, Deduct</i>	-1.06	
<i>For 2-3/8" Mesh Fabric, Deduct</i>	-1.41	
<i>For Posts 8' On Centers, Add</i>	1.41	
<i>For Posts 5' On Centers, Add</i>	5.38	
<i>For Up To 100, Add</i>	5.08	
<i>For >100 To 250, Add</i>	1.91	
<i>For >2,500 To 5,000, Deduct</i>	-0.95	
<i>For >5,000, Deduct</i>	-1.91	

32 Exterior Improvements**32 30 Site Improvements****32 31 Fences And Gates**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31	13 13-0156	LF	6' Vinyl Cover Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post.....	28.37	3.12
			<i>For Powder Coated Framework (Posts, Rails, Hardware), Add</i>	2.18	
			<i>For Surface Mount On Concrete (Excludes Drilling And Anchors), Add</i>	2.11	
			<i>For 13 Gauge Fabric, Deduct</i>	-5.05	
			<i>For 11 Gauge Fabric, Deduct</i>	-2.95	
			<i>For 6 Gauge Fabric, Add</i>	4.63	
			<i>For 1" Mesh Fabric, Add</i>	6.32	
			<i>For 1-3/4" Mesh Fabric, Add</i>	2.53	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-1.26	
			<i>For 2-3/8" Mesh Fabric, Deduct</i>	-1.68	
			<i>For Posts 8' On Centers, Add</i>	1.58	
			<i>For Posts 5' On Centers, Add</i>	6.01	
			<i>For Up To 100, Add</i>	5.64	
			<i>For >100 To 250, Add</i>	2.11	
			<i>For >2,500 To 5,000, Deduct</i>	-1.06	
			<i>For >5,000, Deduct</i>	-2.11	
32 31	13 13-0157	LF	7' Vinyl Cover Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post.....	29.94	4.68
			<i>For Powder Coated Framework (Posts, Rails, Hardware), Add</i>	2.34	
			<i>For Surface Mount On Concrete (Excludes Drilling And Anchors), Add</i>	2.22	
			<i>For 13 Gauge Fabric, Deduct</i>	-5.41	
			<i>For 11 Gauge Fabric, Deduct</i>	-3.16	
			<i>For 6 Gauge Fabric, Add</i>	4.97	
			<i>For 1" Mesh Fabric, Add</i>	6.77	
			<i>For 1-3/4" Mesh Fabric, Add</i>	2.71	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-1.35	
			<i>For 2-3/8" Mesh Fabric, Deduct</i>	-1.81	
			<i>For Posts 8' On Centers, Add</i>	1.67	
			<i>For Posts 5' On Centers, Add</i>	6.32	
			<i>For Up To 100, Add</i>	5.93	
			<i>For >100 To 250, Add</i>	2.22	
			<i>For >2,500 To 5,000, Deduct</i>	-1.11	
			<i>For >5,000, Deduct</i>	-2.22	
32 31	13 13-0158	LF	8' Vinyl Cover Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post.....	33.54	5.46
			<i>For Powder Coated Framework (Posts, Rails, Hardware), Add</i>	2.73	
			<i>For Surface Mount On Concrete (Excludes Drilling And Anchors), Add</i>	2.44	
			<i>For 13 Gauge Fabric, Deduct</i>	-6.33	
			<i>For 11 Gauge Fabric, Deduct</i>	-3.70	
			<i>For 6 Gauge Fabric, Add</i>	5.82	
			<i>For 1" Mesh Fabric, Add</i>	7.93	
			<i>For 1-3/4" Mesh Fabric, Add</i>	3.17	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-1.59	
			<i>For 2-3/8" Mesh Fabric, Deduct</i>	-2.11	
			<i>For Posts 8' On Centers, Add</i>	1.86	
			<i>For Posts 5' On Centers, Add</i>	7.03	
			<i>For Up To 100, Add</i>	6.56	
			<i>For >100 To 250, Add</i>	2.44	
			<i>For >2,500 To 5,000, Deduct</i>	-1.22	
			<i>For >5,000, Deduct</i>	-2.44	
32 31	13 13-0159	LF	9' Vinyl Cover Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post.....	35.82	7.02
			<i>For Powder Coated Framework (Posts, Rails, Hardware), Add</i>	2.97	
			<i>For Surface Mount On Concrete (Excludes Drilling And Anchors), Add</i>	2.59	
			<i>For 13 Gauge Fabric, Deduct</i>	-6.88	
			<i>For 11 Gauge Fabric, Deduct</i>	-4.02	
			<i>For 6 Gauge Fabric, Add</i>	6.31	
			<i>For 1" Mesh Fabric, Add</i>	8.61	
			<i>For 1-3/4" Mesh Fabric, Add</i>	3.44	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-1.72	
			<i>For 2-3/8" Mesh Fabric, Deduct</i>	-2.30	
			<i>For Posts 8' On Centers, Add</i>	1.98	
			<i>For Posts 5' On Centers, Add</i>	7.49	
			<i>For Up To 100, Add</i>	6.98	
			<i>For >100 To 250, Add</i>	2.59	
			<i>For >2,500 To 5,000, Deduct</i>	-1.30	
			<i>For >5,000, Deduct</i>	-2.59	
32 31	13 13-0160	LF	10' Vinyl Cover Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post.....	38.12	7.80
			<i>For Powder Coated Framework (Posts, Rails, Hardware), Add</i>	3.20	
			<i>For Surface Mount On Concrete (Excludes Drilling And Anchors), Add</i>	2.74	
			<i>For 13 Gauge Fabric, Deduct</i>	-7.42	
			<i>For 11 Gauge Fabric, Deduct</i>	-4.33	
			<i>For 6 Gauge Fabric, Add</i>	6.81	
			<i>For 1" Mesh Fabric, Add</i>	9.29	
			<i>For 1-3/4" Mesh Fabric, Add</i>	3.71	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-1.86	
			<i>For 2-3/8" Mesh Fabric, Deduct</i>	-2.48	
			<i>For Posts 8' On Centers, Add</i>	2.11	
			<i>For Posts 5' On Centers, Add</i>	7.95	
			<i>For Up To 100, Add</i>	7.40	
			<i>For >100 To 250, Add</i>	2.74	
			<i>For >2,500 To 5,000, Deduct</i>	-1.37	
			<i>For >5,000, Deduct</i>	-2.74	



Exterior Improvements	32	32
Site Improvements	32 30	
Fences And Gates	32 31	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0161 LF 12' Vinyl Cover Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post.....	41.56	9.36
<i>For Each Additional Foot >12, Add</i>	3.82	
<i>For Powder Coated Framework (Posts, Rails, Hardware), Add</i>	3.51	
<i>For Surface Mount On Concrete (Excludes Drilling And Anchors), Add</i>	2.99	
<i>For 13 Gauge Fabric, Deduct</i>	-8.12	
<i>For 11 Gauge Fabric, Deduct</i>	-4.75	
<i>For 6 Gauge Fabric, Add</i>	7.46	
<i>For 1" Mesh Fabric, Add</i>	10.17	
<i>For 1-3/4" Mesh Fabric, Add</i>	4.07	
<i>For 2-1/8" Mesh Fabric, Deduct</i>	-2.03	
<i>For 2-3/8" Mesh Fabric, Deduct</i>	-2.71	
<i>For Posts 8' On Centers, Add</i>	2.30	
<i>For Posts 5' On Centers, Add</i>	8.66	
<i>For Up To 100, Add</i>	8.05	
<i>For >100 To 250, Add</i>	2.99	
<i>For >2,500 To 5,000, Deduct</i>	-1.49	
<i>For >5,000, Deduct</i>	-2.99	
32 31 13 13-0162 Rails <small>(32 31 13 13)</small> Note: Includes rail end fittings.		
32 31 13 13-0163 SS-20 Chain Link Fence Rails <small>(32 31 13 13-0162)</small> Note: Includes tie wires.		
32 31 13 13-0164 LF 1-3/8" Galvanized Steel Rail, 0.08" Wall Thickness, Tie Wires And Fittings.....	3.56	1.01
<i>For SS15, Deduct</i>	-0.15	
<i>For SS40, Add</i>	0.36	
32 31 13 13-0165 LF 1-3/8" Vinyl Coated Rail, 0.08" Wall Thickness, Tie Wires And Fittings.....	4.05	1.01
<i>For SS40, Add</i>	0.19	
<i>For Powder Coated, Add</i>	0.39	
<i>For Aluminum Coated, Add</i>	0.78	
32 31 13 13-0166 LF 1-5/8" Galvanized Steel Rail, 0.085" Wall Thickness, Tie Wires And Fittings.....	4.22	1.14
<i>For SS15, Deduct</i>	-0.19	
<i>For SS40, Add</i>	0.48	
32 31 13 13-0167 LF 1-5/8" Vinyl Coated Rail, 0.085" Wall Thickness, Tie Wires And Fittings.....	4.87	1.14
<i>For SS40, Add</i>	0.26	
<i>For Powder Coated, Add</i>	0.52	
<i>For Aluminum Coated, Add</i>	1.03	
32 31 13 13-0168 LF 2" Galvanized Steel Rail, 0.09" Wall Thickness, Tie Wires And Fittings.....	4.89	1.29
<i>For SS40, Add</i>	0.58	
32 31 13 13-0169 LF 2" Vinyl Coated Rail, 0.09" Wall Thickness, Tie Wires And Fittings.....	5.67	1.29
<i>For SS40, Add</i>	0.31	
<i>For Powder Coated, Add</i>	0.62	
<i>For Aluminum Coated, Add</i>	1.24	
32 31 13 13-0170 Fabric <small>(32 31 13 13)</small>		
32 31 13 13-0171 Fabric, Galvanized Chain Link <small>(32 31 13 13-0170)</small>		
32 31 13 13-0172 LF 3' Full Height Fabric Galvanized Chain Link #9 Gauge, 1.2 Oz Coating, 2" Mesh.....	8.13	1.83
<i>For 2 Oz Galvanized Coating, Add</i>	0.54	
<i>For 13 Gauge Fabric, Deduct</i>	-0.98	
<i>For 11 Gauge Fabric, Deduct</i>	-0.54	
<i>For 6 Gauge Fabric, Add</i>	1.74	
<i>For 1" Mesh Fabric, Add</i>	1.63	
<i>For 1-3/4" Mesh Fabric, Add</i>	0.65	
<i>For 2-1/8" Mesh Fabric, Deduct</i>	-0.33	
<i>For 2-3/8" Mesh Fabric, Deduct</i>	-0.43	
32 31 13 13-0173 LF 3'-6" Full Height Fabric Galvanized Chain Link #9 Gauge, 1.2 Oz Coating, 2" Mesh.....	8.95	2.06
<i>For 2 Oz Galvanized Coating, Add</i>	0.63	
<i>For 13 Gauge Fabric, Deduct</i>	-1.14	
<i>For 11 Gauge Fabric, Deduct</i>	-0.63	
<i>For 6 Gauge Fabric, Add</i>	2.02	
<i>For 1" Mesh Fabric, Add</i>	1.90	
<i>For 1-3/4" Mesh Fabric, Add</i>	0.76	
<i>For 2-1/8" Mesh Fabric, Deduct</i>	-0.38	
<i>For 2-3/8" Mesh Fabric, Deduct</i>	-0.51	
32 31 13 13-0174 LF 4' Full Height Fabric Galvanized Chain Link #9 Gauge, 1.2 Oz Coating, 2" Mesh.....	9.66	2.29
<i>For 2 Oz Galvanized Coating, Add</i>	0.70	
<i>For 13 Gauge Fabric, Deduct</i>	-1.25	
<i>For 11 Gauge Fabric, Deduct</i>	-0.70	
<i>For 6 Gauge Fabric, Add</i>	2.22	
<i>For 1" Mesh Fabric, Add</i>	2.09	
<i>For 1-3/4" Mesh Fabric, Add</i>	0.83	
<i>For 2-1/8" Mesh Fabric, Deduct</i>	-0.42	
<i>For 2-3/8" Mesh Fabric, Deduct</i>	-0.56	
32 31 13 13-0175 LF 5' Full Height Fabric Galvanized Chain Link #9 Gauge, 1.2 Oz Coating, 2" Mesh.....	10.79	2.76
<i>For 2 Oz Galvanized Coating, Add</i>	0.87	
<i>For 13 Gauge Fabric, Deduct</i>	-1.56	
<i>For 11 Gauge Fabric, Deduct</i>	-0.87	
<i>For 6 Gauge Fabric, Add</i>	2.77	
<i>For 1" Mesh Fabric, Add</i>	2.60	
<i>For 1-3/4" Mesh Fabric, Add</i>	1.04	
<i>For 2-1/8" Mesh Fabric, Deduct</i>	-0.52	
<i>For 2-3/8" Mesh Fabric, Deduct</i>	-0.69	

32 Exterior Improvements**32 30 Site Improvements****32 31 Fences And Gates**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0176 LF 6' Full Height Fabric Galvanized Chain Link #9 Gauge, 1.2 Oz Coating, 2" Mesh.....	12.03	3.21
For 2 Oz Galvanized Coating, Add	1.04	
For 13 Gauge Fabric, Deduct	-1.87	
For 11 Gauge Fabric, Deduct	-1.04	
For 6 Gauge Fabric, Add	3.33	
For 1" Mesh Fabric, Add	3.12	
For 1-3/4" Mesh Fabric, Add	1.25	
For 2-1/8" Mesh Fabric, Deduct	-0.62	
For 2-3/8" Mesh Fabric, Deduct	-0.83	
32 31 13 13-0177 LF 7' Full Height Fabric Galvanized Chain Link #9 Gauge, 1.2 Oz Coating, 2" Mesh.....	13.32	3.67
For 2 Oz Galvanized Coating, Add	1.21	
For 13 Gauge Fabric, Deduct	-2.18	
For 11 Gauge Fabric, Deduct	-1.21	
For 6 Gauge Fabric, Add	3.88	
For 1" Mesh Fabric, Add	3.64	
For 1-3/4" Mesh Fabric, Add	1.46	
For 2-1/8" Mesh Fabric, Deduct	-0.73	
For 2-3/8" Mesh Fabric, Deduct	-0.97	
32 31 13 13-0178 LF 8' Full Height Fabric Galvanized Chain Link #9 Gauge, 1.2 Oz Coating, 2" Mesh.....	14.72	4.59
For 2 Oz Galvanized Coating, Add	1.39	
For 13 Gauge Fabric, Deduct	-2.49	
For 11 Gauge Fabric, Deduct	-1.39	
For 6 Gauge Fabric, Add	4.43	
For 1" Mesh Fabric, Add	4.16	
For 1-3/4" Mesh Fabric, Add	1.66	
For 2-1/8" Mesh Fabric, Deduct	-0.83	
For 2-3/8" Mesh Fabric, Deduct	-1.11	
32 31 13 13-0179 LF 10' Full Height Fabric Galvanized Chain Link #9 Gauge, 1.2 Oz Coating, 2" Mesh.....	17.32	5.05
For 2 Oz Galvanized Coating, Add	1.80	
For 13 Gauge Fabric, Deduct	-3.24	
For 11 Gauge Fabric, Deduct	-1.80	
For 6 Gauge Fabric, Add	5.76	
For 1" Mesh Fabric, Add	5.40	
For 1-3/4" Mesh Fabric, Add	2.16	
For 2-1/8" Mesh Fabric, Deduct	-1.08	
For 2-3/8" Mesh Fabric, Deduct	-1.44	
32 31 13 13-0180 LF 12' Full Height Fabric Galvanized Chain Link #9 Gauge, 1.2 Oz Coating, 2" Mesh.....	19.64	5.50
For 2 Oz Galvanized Coating, Add	2.16	
For 13 Gauge Fabric, Deduct	-3.88	
For 11 Gauge Fabric, Deduct	-2.16	
For 6 Gauge Fabric, Add	6.90	
For 1" Mesh Fabric, Add	6.47	
For 1-3/4" Mesh Fabric, Add	2.59	
For 2-1/8" Mesh Fabric, Deduct	-1.29	
For 2-3/8" Mesh Fabric, Deduct	-1.73	
32 31 13 13-0181 LF 14' Full Height Fabric Galvanized Chain Link #9 Gauge, 1.2 Oz Coating, 2" Mesh.....	22.11	6.42
For 2 Oz Galvanized Coating, Add	2.32	
For 13 Gauge Fabric, Deduct	-4.17	
For 11 Gauge Fabric, Deduct	-2.32	
For 6 Gauge Fabric, Add	7.42	
For 1" Mesh Fabric, Add	6.95	
For 1-3/4" Mesh Fabric, Add	2.78	
For 2-1/8" Mesh Fabric, Deduct	-1.39	
For 2-3/8" Mesh Fabric, Deduct	-1.85	
32 31 13 13-0182 LF 16' Full Height Fabric Galvanized Chain Link #9 Gauge, 1.2 Oz Coating, 2" Mesh.....	24.59	7.33
For 2 Oz Galvanized Coating, Add	2.48	
For 13 Gauge Fabric, Deduct	-4.46	
For 11 Gauge Fabric, Deduct	-2.48	
For 6 Gauge Fabric, Add	7.93	
For 1" Mesh Fabric, Add	7.43	
For 1-3/4" Mesh Fabric, Add	2.97	
For 2-1/8" Mesh Fabric, Deduct	-1.49	
For 2-3/8" Mesh Fabric, Deduct	-1.98	
32 31 13 13-0183 Fabric, Vinyl Coated Chain Link (32 31 13 13-0170)		
32 31 13 13-0184 LF 4' Full Height Vinyl Coated Fabric Chain Link #9 Gauge Fused, 2" Mesh.....	10.54	1.83
For 13 Gauge Fabric, Deduct	-1.65	
For 11 Gauge Fabric, Deduct	-0.92	
For 6 Gauge Fabric, Add	2.93	
For 1" Mesh Fabric, Add	2.75	
For 1-3/4" Mesh Fabric, Add	1.10	
For 2-1/8" Mesh Fabric, Deduct	-0.55	
For 2-3/8" Mesh Fabric, Deduct	-0.73	
For Aluminum Coated, Add	1.46	
32 31 13 13-0185 LF 5' Full Height Vinyl Coated Fabric Chain Link #9 Gauge Fused, 2" Mesh.....	11.90	2.76
For 13 Gauge Fabric, Deduct	-2.06	
For 11 Gauge Fabric, Deduct	-1.14	
For 6 Gauge Fabric, Add	3.66	
For 1" Mesh Fabric, Add	3.43	
For 1-3/4" Mesh Fabric, Add	1.37	
For 2-1/8" Mesh Fabric, Deduct	-0.69	
For 2-3/8" Mesh Fabric, Deduct	-0.91	
For Aluminum Coated, Add	1.83	



Exterior Improvements	32	32
Site Improvements	32 30	
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MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31	13 13-0186	LF	6' Full Height Vinyl Coated Fabric Chain Link #9 Gauge Fused, 2" Mesh <i>For 13 Gauge Fabric, Deduct</i> <i>For 11 Gauge Fabric, Deduct</i> <i>For 6 Gauge Fabric, Add</i> <i>For 1" Mesh Fabric, Add</i> <i>For 1-3/4" Mesh Fabric, Add</i> <i>For 2-1/8" Mesh Fabric, Deduct</i> <i>For 2-3/8" Mesh Fabric, Deduct</i> <i>For Aluminum Coated, Add</i>	14.28 -2.88 -1.60 5.13 4.81 1.92 -0.96 -1.28 2.56	3.21
32 31	13 13-0187	LF	7' Full Height Vinyl Coated Fabric Chain Link #9 Gauge Fused, 2" Mesh <i>For 13 Gauge Fabric, Deduct</i> <i>For 11 Gauge Fabric, Deduct</i> <i>For 6 Gauge Fabric, Add</i> <i>For 1" Mesh Fabric, Add</i> <i>For 1-3/4" Mesh Fabric, Add</i> <i>For 2-1/8" Mesh Fabric, Deduct</i> <i>For 2-3/8" Mesh Fabric, Deduct</i> <i>For Aluminum Coated, Add</i>	15.93 -3.36 -1.87 5.97 5.60 2.24 -1.12 -1.49 2.98	3.67
32 31	13 13-0188	LF	8' Full Height Vinyl Coated Fabric Chain Link #9 Gauge Fused, 2" Mesh <i>For 13 Gauge Fabric, Deduct</i> <i>For 11 Gauge Fabric, Deduct</i> <i>For 6 Gauge Fabric, Add</i> <i>For 1" Mesh Fabric, Add</i> <i>For 1-3/4" Mesh Fabric, Add</i> <i>For 2-1/8" Mesh Fabric, Deduct</i> <i>For 2-3/8" Mesh Fabric, Deduct</i> <i>For Aluminum Coated, Add</i>	17.77 -3.87 -2.15 6.87 6.44 2.58 -1.29 -1.72 3.44	4.59
32 31	13 13-0189	LF	10' Full Height Vinyl Coated Fabric Chain Link #9 Gauge Fused, 2" Mesh <i>For 13 Gauge Fabric, Deduct</i> <i>For 11 Gauge Fabric, Deduct</i> <i>For 6 Gauge Fabric, Add</i> <i>For 1" Mesh Fabric, Add</i> <i>For 1-3/4" Mesh Fabric, Add</i> <i>For 2-1/8" Mesh Fabric, Deduct</i> <i>For 2-3/8" Mesh Fabric, Deduct</i> <i>For Aluminum Coated, Add</i>	20.82 -4.82 -2.68 8.56 8.03 3.21 -1.61 -2.14 4.28	5.05
32 31	13 13-0190	LF	12' Full Height Vinyl Coated Fabric Chain Link #9 Gauge Fused, 2" Mesh <i>For 13 Gauge Fabric, Deduct</i> <i>For 11 Gauge Fabric, Deduct</i> <i>For 6 Gauge Fabric, Add</i> <i>For 1" Mesh Fabric, Add</i> <i>For 1-3/4" Mesh Fabric, Add</i> <i>For 2-1/8" Mesh Fabric, Deduct</i> <i>For 2-3/8" Mesh Fabric, Deduct</i> <i>For Aluminum Coated, Add</i>	22.71 -5.27 -2.93 9.36 8.78 3.51 -1.76 -2.34 4.68	5.50
32 31	13 13-0191	LF	14' Full Height Vinyl Coated Fabric Chain Link #9 Gauge Fused, 2" Mesh <i>For 13 Gauge Fabric, Deduct</i> <i>For 11 Gauge Fabric, Deduct</i> <i>For 6 Gauge Fabric, Add</i> <i>For 1" Mesh Fabric, Add</i> <i>For 1-3/4" Mesh Fabric, Add</i> <i>For 2-1/8" Mesh Fabric, Deduct</i> <i>For 2-3/8" Mesh Fabric, Deduct</i> <i>For Aluminum Coated, Add</i>	25.72 -5.80 -3.22 10.30 9.66 3.86 -1.93 -2.58 5.15	6.42
32 31	13 13-0192	LF	16' Full Height Vinyl Coated Fabric Chain Link #9 Gauge Fused, 2" Mesh <i>For 13 Gauge Fabric, Deduct</i> <i>For 11 Gauge Fabric, Deduct</i> <i>For 6 Gauge Fabric, Add</i> <i>For 1" Mesh Fabric, Add</i> <i>For 1-3/4" Mesh Fabric, Add</i> <i>For 2-1/8" Mesh Fabric, Deduct</i> <i>For 2-3/8" Mesh Fabric, Deduct</i> <i>For Aluminum Coated, Add</i>	28.79 -6.35 -3.53 11.29 10.58 4.23 -2.12 -2.82 5.64	7.33
32 31 13 13-0193 Fabric, Aluminized Steel Chain Link <small>(32 31 13 13-0170)</small>					
32 31	13 13-0194	LF	3' Full Height Fabric Chain Link #9 Gauge, Aluminized Steel, 2" Mesh <i>For 6 Gauge Fabric, Add</i> <i>For 1" Mesh Fabric, Add</i>	8.04 1.66 2.18	1.83
32 31	13 13-0195	LF	3'-6" Full Height Fabric Chain Link #9 Gauge, Aluminized Steel, 2" Mesh <i>For 6 Gauge Fabric, Add</i> <i>For 1" Mesh Fabric, Add</i>	8.84 1.94 2.54	2.06
32 31	13 13-0196	LF	4' Full Height Fabric Chain Link #9 Gauge, Aluminized Steel, 2" Mesh <i>For 6 Gauge Fabric, Add</i> <i>For 1" Mesh Fabric, Add</i>	9.65 2.22 2.91	2.29
32 31	13 13-0197	LF	5' Full Height Fabric Chain Link #9 Gauge, Aluminized Steel, 2" Mesh <i>For 6 Gauge Fabric, Add</i> <i>For 1" Mesh Fabric, Add</i>	10.79 2.77 3.63	2.76
32 31	13 13-0198	LF	6' Full Height Fabric Chain Link #9 Gauge, Aluminized Steel, 2" Mesh <i>For 6 Gauge Fabric, Add</i> <i>For 1" Mesh Fabric, Add</i>	12.00 3.30 4.34	3.21
32 31	13 13-0199	LF	7' Full Height Fabric Chain Link #9 Gauge, Aluminized Steel, 2" Mesh <i>For 6 Gauge Fabric, Add</i> <i>For 1" Mesh Fabric, Add</i>	13.30 3.86 5.07	3.67

32 Exterior Improvements**32 30 Site Improvements****32 31 Fences And Gates**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0200 LF 8' Full Height Fabric Chain Link #9 Gauge, Aluminized Steel, 2" Mesh..... <i>For 6 Gauge Fabric, Add</i> <i>For 1" Mesh Fabric, Add</i>	14.70 4.42 5.80	4.59
32 31 13 13-0201 LF 10' Full Height Fabric Chain Link #9 Gauge, Aluminized Steel, 2" Mesh..... <i>For 6 Gauge Fabric, Add</i> <i>For 1" Mesh Fabric, Add</i>	17.02 5.52 7.25	5.05
32 31 13 13-0202 LF 12' Full Height Fabric Chain Link #9 Gauge, Aluminized Steel, 2" Mesh..... <i>For 6 Gauge Fabric, Add</i> <i>For 1" Mesh Fabric, Add</i>	19.29 6.62 8.69	5.50
32 31 13 13-0203 Fabric, All Aluminum Chain Link <small>(32 31 13 13-0170)</small>		
32 31 13 13-0204 LF 3' Full Height Fabric Chain Link #9 Gauge, All Aluminum, 2" Mesh..... <i>For 6 Gauge Fabric, Add</i> <i>For 1" Mesh Fabric, Add</i>	11.40 4.35 5.71	1.83
32 31 13 13-0205 LF 3-6" Full Height Fabric Chain Link #9 Gauge, All Aluminum, 2" Mesh..... <i>For 6 Gauge Fabric, Add</i> <i>For 1" Mesh Fabric, Add</i>	12.76 5.07 6.66	2.06
32 31 13 13-0206 LF 4' Full Height Fabric Chain Link #9 Gauge, All Aluminum, 2" Mesh..... <i>For 6 Gauge Fabric, Add</i> <i>For 1" Mesh Fabric, Add</i>	14.13 5.80 7.61	2.29
32 31 13 13-0207 LF 5' Full Height Fabric Chain Link #9 Gauge, All Aluminum, 2" Mesh..... <i>For 6 Gauge Fabric, Add</i> <i>For 1" Mesh Fabric, Add</i>	16.39 7.25 9.51	2.76
32 31 13 13-0208 LF 6' Full Height Fabric Chain Link #9 Gauge, All Aluminum, 2" Mesh..... <i>For 6 Gauge Fabric, Add</i> <i>For 1" Mesh Fabric, Add</i>	18.75 8.70 11.42	3.21
32 31 13 13-0209 LF 7' Full Height Fabric Chain Link #9 Gauge, All Aluminum, 2" Mesh..... <i>For 6 Gauge Fabric, Add</i> <i>For 1" Mesh Fabric, Add</i>	21.16 10.15 13.32	3.67
32 31 13 13-0210 LF 8' Full Height Fabric Chain Link #9 Gauge, All Aluminum, 2" Mesh..... <i>For 6 Gauge Fabric, Add</i> <i>For 1" Mesh Fabric, Add</i>	23.68 11.60 15.23	4.59
32 31 13 13-0211 LF 10' Full Height Fabric Chain Link #9 Gauge, All Aluminum, 2" Mesh..... <i>For 6 Gauge Fabric, Add</i> <i>For 1" Mesh Fabric, Add</i>	28.24 14.50 19.03	5.05
32 31 13 13-0212 LF 12' Full Height Fabric Chain Link #9 Gauge, All Aluminum, 2" Mesh..... <i>For 6 Gauge Fabric, Add</i> <i>For 1" Mesh Fabric, Add</i>	32.76 17.40 22.84	5.50
32 31 13 13-0213 Fence Inserts <small>(32 31 13 13-0170)</small> Note: For use with new or existing chain link fence, per lf of fence.		
32 31 13 13-0214 Vinyl Plastic Fence Inserts <small>(32 31 13 13-0213)</small> Note: Assorted colors.		
32 31 13 13-0215 LF 3' High Fence, Vinyl Plastic Fence Insert.....	5.73	
32 31 13 13-0216 LF 3-1/2' High Fence, Vinyl Plastic Fence Insert.....	6.60	
32 31 13 13-0217 LF 4' High Fence, Vinyl Plastic Fence Insert.....	7.29	
32 31 13 13-0218 LF 5' High Fence, Vinyl Plastic Fence Insert.....	9.12	
32 31 13 13-0219 LF 6' High Fence, Vinyl Plastic Fence Insert.....	10.93	
32 31 13 13-0220 LF 7' High Fence, Vinyl Plastic Fence Insert.....	12.77	
32 31 13 13-0221 LF 8' High Fence, Vinyl Plastic Fence Insert.....	14.56	
32 31 13 13-0222 LF 10' High Fence, Vinyl Plastic Fence Insert.....	17.04	
32 31 13 13-0223 Aluminum Fence Inserts <small>(32 31 13 13-0213)</small> Note: Assorted colors.		
32 31 13 13-0224 LF 3' High Fence, Aluminum Fence Insert.....	12.18	
32 31 13 13-0225 LF 3-1/2' High Fence, Aluminum Fence Insert.....	13.50	
32 31 13 13-0226 LF 4' High Fence, Aluminum Fence Insert.....	15.88	
32 31 13 13-0227 LF 5' High Fence, Aluminum Fence Insert.....	19.90	
32 31 13 13-0228 LF 6' High Fence, Aluminum Fence Insert.....	23.87	
32 31 13 13-0229 LF 7' High Fence, Aluminum Fence Insert.....	26.57	
32 31 13 13-0230 LF 8' High Fence, Aluminum Fence Insert.....	31.81	
32 31 13 13-0231 LF 10' High Fence, Aluminum Fence Insert.....	38.68	
32 31 13 13-0232 Redwood Fence Inserts <small>(32 31 13 13-0213)</small>		
32 31 13 13-0233 LF 4' High Fence, Redwood Fence Insert.....	10.83	
32 31 13 13-0234 LF 5' High Fence, Redwood Fence Insert.....	13.71	
32 31 13 13-0235 LF 6' High Fence, Redwood Fence Insert.....	16.46	
32 31 13 13-0236 LF 7' High Fence, Redwood Fence Insert.....	19.17	
32 31 13 13-0237 LF 8' High Fence, Redwood Fence Insert.....	21.93	
32 31 13 13-0238 Diagonal Flexible Polyethylene Inserts <small>(32 31 13 13-0213)</small>		
32 31 13 13-0239 SF Diagonal Polyethylene Fence Weave.....	2.45	
32 31 13 13-0240 Hedge Link Fence Inserts <small>(32 31 13 13-0213)</small>		
32 31 13 13-0241 LF 3' High Fence, Hedge Link Fence Insert.....	12.32	
32 31 13 13-0242 LF 3-1/2' High Fence, Hedge Link Fence Insert.....	14.03	



		Exterior Improvements	32
		Site Improvements	32 30
		Fences And Gates	32 31

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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0243 LF 4' High Fence, Hedge Link Fence Insert.....	16.65	
32 31 13 13-0244 LF 5' High Fence, Hedge Link Fence Insert.....	20.60	
32 31 13 13-0245 LF 6' High Fence, Hedge Link Fence Insert.....	23.75	
32 31 13 13-0246 LF 7' High Fence, Hedge Link Fence Insert.....	29.61	
32 31 13 13-0247 LF 8' High Fence, Hedge Link Fence Insert.....	33.65	
32 31 13 13-0248 LF 10' High Fence, Hedge Link Fence Insert.....	40.01	
32 31 13 13-0249 LF 12' High Fence, Hedge Link Fence Insert.....	45.84	
32 31 13 13-0250 Fence Windscreen Fabric (32 31 13 13-0170)		
Note: Includes plastic wire clips.		
32 31 13 13-0251 SF Vinyl Coated Polyester Windscreen For Fence, 7 Oz Per SY.....	1.86	
For Sewn Boxed Vent (Each), Add	14.08	
For Welded Boxed Vent (Each), Add	7.04	
For 4' x 4' One Color Logo (Each), Add	293.40	
32 31 13 13-0252 Non-Climbable Fabric, Galvanized Chain Link (32 31 13 13-0170)		
32 31 13 13-0253 LF 3' Non-Climbable Fabric Galvanized Chain Link #9 Gauge, 3/8" Mesh.....	18.42	1.83
For 11 Gauge, Deduct	-2.49	
For 10 Gauge, Deduct	-1.00	
For 7 Gauge, Add	1.50	
For 6 Gauge, Add	3.49	
For 1/2" Mesh Fabric, Deduct	-0.62	
For 5/8" Mesh Fabric, Deduct	-1.37	
For 3/4" Mesh Fabric, Deduct	-1.99	
32 31 13 13-0254 LF 3'-6" Non-Climbable Fabric Galvanized Chain Link #9 Gauge, 3/8" Mesh.....	20.95	2.06
For 11 Gauge, Deduct	-2.91	
For 10 Gauge, Deduct	-1.16	
For 7 Gauge, Add	1.74	
For 6 Gauge, Add	4.07	
For 1/2" Mesh Fabric, Deduct	-0.73	
For 5/8" Mesh Fabric, Deduct	-1.60	
For 3/4" Mesh Fabric, Deduct	-2.32	
32 31 13 13-0255 LF 4' Non-Climbable Fabric Galvanized Chain Link #9 Gauge, 3/8" Mesh.....	23.50	2.29
For 11 Gauge, Deduct	-3.32	
For 10 Gauge, Deduct	-1.33	
For 7 Gauge, Add	1.99	
For 6 Gauge, Add	4.65	
For 1/2" Mesh Fabric, Deduct	-0.83	
For 5/8" Mesh Fabric, Deduct	-1.83	
For 3/4" Mesh Fabric, Deduct	-2.66	
32 31 13 13-0256 LF 5' Non-Climbable Fabric Galvanized Chain Link #9 Gauge, 3/8" Mesh.....	28.10	2.76
For 11 Gauge, Deduct	-4.15	
For 10 Gauge, Deduct	-1.66	
For 7 Gauge, Add	2.49	
For 6 Gauge, Add	5.82	
For 1/2" Mesh Fabric, Deduct	-1.04	
For 5/8" Mesh Fabric, Deduct	-2.28	
For 3/4" Mesh Fabric, Deduct	-3.32	
32 31 13 13-0257 LF 6' Non-Climbable Fabric Galvanized Chain Link #9 Gauge, 3/8" Mesh.....	32.78	3.21
For 11 Gauge, Deduct	-4.98	
For 10 Gauge, Deduct	-1.99	
For 7 Gauge, Add	2.99	
For 6 Gauge, Add	6.97	
For 1/2" Mesh Fabric, Deduct	-1.25	
For 5/8" Mesh Fabric, Deduct	-2.74	
For 3/4" Mesh Fabric, Deduct	-3.99	
32 31 13 13-0258 LF 7' Non-Climbable Fabric Galvanized Chain Link #9 Gauge, 3/8" Mesh.....	37.54	3.67
For 11 Gauge, Deduct	-5.81	
For 10 Gauge, Deduct	-2.33	
For 7 Gauge, Add	3.49	
For 6 Gauge, Add	8.14	
For 1/2" Mesh Fabric, Deduct	-1.45	
For 5/8" Mesh Fabric, Deduct	-3.20	
For 3/4" Mesh Fabric, Deduct	-4.65	
32 31 13 13-0259 LF 8' Non-Climbable Fabric Galvanized Chain Link #9 Gauge, 3/8" Mesh.....	42.40	4.59
For 11 Gauge, Deduct	-6.64	
For 10 Gauge, Deduct	-2.66	
For 7 Gauge, Add	3.99	
For 6 Gauge, Add	9.30	
For 1/2" Mesh Fabric, Deduct	-1.66	
For 5/8" Mesh Fabric, Deduct	-3.65	
For 3/4" Mesh Fabric, Deduct	-5.32	
32 31 13 13-0260 LF 9' Non-Climbable Fabric Galvanized Chain Link #9 Gauge, 3/8" Mesh.....	46.61	4.82
For 11 Gauge, Deduct	-7.40	
For 10 Gauge, Deduct	-2.96	
For 7 Gauge, Add	4.44	
For 6 Gauge, Add	10.35	
For 1/2" Mesh Fabric, Deduct	-1.85	
For 5/8" Mesh Fabric, Deduct	-4.07	
For 3/4" Mesh Fabric, Deduct	-5.92	

32 Exterior Improvements**32 30 Site Improvements****32 31 Fences And Gates**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0261 LF 10' Non-Climbable Fabric Galvanized Chain Link #9 Gauge, 3/8" Mesh	50.86	5.05
For 11 Gauge, Deduct	-8.15	
For 10 Gauge, Deduct	-3.26	
For 7 Gauge, Add	4.89	
For 6 Gauge, Add	11.41	
For 1/2" Mesh Fabric, Deduct	-2.04	
For 5/8" Mesh Fabric, Deduct	-4.48	
For 3/4" Mesh Fabric, Deduct	-6.52	
32 31 13 13-0262 LF 12' Non-Climbable Fabric Galvanized Chain Link #9 Gauge, 3/8" Mesh	55.17	5.50
For 11 Gauge, Deduct	-8.83	
For 10 Gauge, Deduct	-3.53	
For 7 Gauge, Add	5.30	
For 6 Gauge, Add	12.36	
For 1/2" Mesh Fabric, Deduct	-2.21	
For 5/8" Mesh Fabric, Deduct	-4.86	
For 3/4" Mesh Fabric, Deduct	-7.07	
32 31 13 13-0263 Gates <small>(32 31 13 13)</small>		
Note: Posts exclude drilling or augering in soil or rock. For barbed wire attached directly to posts and gates, select gates and posts sizes for full finished height of gate above grade (top rail to be at lower height, includes barb wire at top area where mesh would be). See CSI section 08 79 00 00-0001 for padlocks, 08 79 00 00-0002 for padlocks, 32 31 13 13-0001 for drilling for augering holes and backfill.		
32 31 13 13-0264 Galvanized Steel Without Barbed Wire <small>(32 31 13 13-0263)</small>		
Note: Industrial swing gate. Includes posts (3" diameter posts for up to 6' wide gate, 4" diameter for > 6' To 12' wide, 6-5/8" diameter for >12' To 18' wide, 8-5/8" diameter for over 18' wide), 2" diameter schedule pipe frame, offset hinges, cap and hardware (drop rod, center locking device, gate keeper, catch bolt and tension bands). Fabric: galvanized chain link 2" mesh # 9 gauge, galvanized 1.2 ounce coating.		
32 31 13 13-0265 4' Fence Height <small>(32 31 13 13-0264)</small>		
32 31 13 13-0266 EA 3' Wide x 4' High Single Gate Galvanized Steel Without Barbed Wire.....	165.96	19.09
For Gate With Single Barb Wire Arm, Add	11.69	
For Gate With Double Barb Wire Arm, Add	17.00	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-19.93	
For Aluminized Steel Gate And Post, Add	51.01	
For Powder Coated Gate And Post, Add	27.63	
32 31 13 13-0267 EA 4' Wide x 4' High Single Gate Galvanized Steel Without Barbed Wire.....	201.39	19.89
For Gate With Single Barb Wire Arm, Add	15.59	
For Gate With Double Barb Wire Arm, Add	22.67	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-26.57	
For Aluminized Steel Gate And Post, Add	68.02	
For Powder Coated Gate And Post, Add	36.84	
32 31 13 13-0268 EA 5' Wide x 4' High Single Gate Galvanized Steel Without Barbed Wire.....	234.75	21.16
For Gate With Single Barb Wire Arm, Add	18.82	
For Gate With Double Barb Wire Arm, Add	27.37	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-32.08	
For Aluminized Steel Gate And Post, Add	82.12	
For Powder Coated Gate And Post, Add	44.48	
32 31 13 13-0269 EA 6' Wide x 4' High Single Gate Galvanized Steel Without Barbed Wire.....	276.87	25.46
For Gate With Single Barb Wire Arm, Add	22.05	
For Gate With Double Barb Wire Arm, Add	32.08	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-37.59	
For Aluminized Steel Gate And Post, Add	96.23	
For Powder Coated Gate And Post, Add	52.12	
32 31 13 13-0270 EA 7' Wide x 4' High Single Gate Galvanized Steel Without Barbed Wire.....	318.98	29.68
For Gate With Single Barb Wire Arm, Add	25.28	
For Gate With Double Barb Wire Arm, Add	36.78	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-43.10	
For Aluminized Steel Gate And Post, Add	110.33	
For Powder Coated Gate And Post, Add	59.76	
32 31 13 13-0271 EA 8' Wide x 4' High Single Gate Galvanized Steel Without Barbed Wire.....	362.30	33.90
For Gate With Single Barb Wire Arm, Add	28.65	
For Gate With Double Barb Wire Arm, Add	41.67	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-48.83	
For Aluminized Steel Gate And Post, Add	125.01	
For Powder Coated Gate And Post, Add	67.71	
32 31 13 13-0272 EA 9' Wide x 4' High Single Gate Galvanized Steel Without Barbed Wire.....	404.39	38.20
For Gate With Single Barb Wire Arm, Add	31.88	
For Gate With Double Barb Wire Arm, Add	46.37	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-54.34	
For Aluminized Steel Gate And Post, Add	139.11	
For Powder Coated Gate And Post, Add	75.35	
32 31 13 13-0273 EA 10' Wide x 4' High Single Gate Galvanized Steel Without Barbed Wire.....	447.02	42.41
For Gate With Single Barb Wire Arm, Add	35.17	
For Gate With Double Barb Wire Arm, Add	51.16	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-59.95	
For Aluminized Steel Gate And Post, Add	153.47	
For Powder Coated Gate And Post, Add	83.13	
32 31 13 13-0274 EA 10' Wide x 4' High Double Gate Galvanized Steel Without Barbed Wire	552.45	42.41
For Gate With Single Barb Wire Arm, Add	46.77	
For Gate With Double Barb Wire Arm, Add	68.02	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-79.71	
For Aluminized Steel Gate And Post, Add	204.07	
For Powder Coated Gate And Post, Add	110.54	



Exterior Improvements	32	
Site Improvements	32 30	32
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MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31	13	13-0275	EA 12' Wide x 4' High Double Gate Galvanized Steel Without Barbed Wire	646.57	45.44
			For Gate With Single Barb Wire Arm, Add	56.12	
			For Gate With Double Barb Wire Arm, Add	81.63	
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-95.66	
			For Aluminized Steel Gate And Post, Add	244.88	
			For Powder Coated Gate And Post, Add	132.64	
32 31	13	13-0276	EA 14' Wide x 4' High Double Gate Galvanized Steel Without Barbed Wire	742.08	48.94
			For Gate With Single Barb Wire Arm, Add	65.47	
			For Gate With Double Barb Wire Arm, Add	95.23	
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-111.60	
			For Aluminized Steel Gate And Post, Add	285.69	
			For Powder Coated Gate And Post, Add	154.75	
32 31	13	13-0277	EA 16' Wide x 4' High Double Gate Galvanized Steel Without Barbed Wire	839.36	52.99
			For Gate With Single Barb Wire Arm, Add	74.82	
			For Gate With Double Barb Wire Arm, Add	108.84	
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-127.54	
			For Aluminized Steel Gate And Post, Add	326.51	
			For Powder Coated Gate And Post, Add	176.86	
32 31	13	13-0278	EA 18' Wide x 4' High Double Gate Galvanized Steel Without Barbed Wire	953.78	62.75
			For Gate With Single Barb Wire Arm, Add	84.18	
			For Gate With Double Barb Wire Arm, Add	122.44	
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-143.48	
			For Aluminized Steel Gate And Post, Add	367.32	
			For Powder Coated Gate And Post, Add	198.97	
32 31	13	13-0279	EA 20' Wide x 4' High Double Gate Galvanized Steel Without Barbed Wire	1,052.27	67.25
			For Gate With Single Barb Wire Arm, Add	93.53	
			For Gate With Double Barb Wire Arm, Add	136.04	
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-159.43	
			For Aluminized Steel Gate And Post, Add	408.13	
			For Powder Coated Gate And Post, Add	221.07	
32 31	13	13-0280	EA 22' Wide x 4' High Double Gate Galvanized Steel Without Barbed Wire	1,150.77	72.47
			For Gate With Single Barb Wire Arm, Add	102.66	
			For Gate With Double Barb Wire Arm, Add	149.32	
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-174.98	
			For Aluminized Steel Gate And Post, Add	447.95	
			For Powder Coated Gate And Post, Add	242.64	
32 31	13	13-0281	EA 24' Wide x 4' High Double Gate Galvanized Steel Without Barbed Wire	1,251.85	78.48
			For Gate With Single Barb Wire Arm, Add	111.78	
			For Gate With Double Barb Wire Arm, Add	162.59	
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-190.53	
			For Aluminized Steel Gate And Post, Add	487.77	
			For Powder Coated Gate And Post, Add	264.21	
32 31	13	13-0282	EA 26' Wide x 4' High Double Gate Galvanized Steel Without Barbed Wire	1,356.24	85.63
			For Gate With Single Barb Wire Arm, Add	120.91	
			For Gate With Double Barb Wire Arm, Add	175.86	
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-206.09	
			For Aluminized Steel Gate And Post, Add	527.59	
			For Powder Coated Gate And Post, Add	285.78	
32 31	13	13-0283	EA 28' Wide x 4' High Double Gate Galvanized Steel Without Barbed Wire	1,433.78	94.21
			For Gate With Single Barb Wire Arm, Add	126.61	
			For Gate With Double Barb Wire Arm, Add	184.16	
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-215.81	
			For Aluminized Steel Gate And Post, Add	552.47	
			For Powder Coated Gate And Post, Add	299.25	
32 31	13	13-0284	EA 30' Wide x 4' High Double Gate Galvanized Steel Without Barbed Wire	1,589.63	104.64
			For Gate With Single Barb Wire Arm, Add	140.30	
			For Gate With Double Barb Wire Arm, Add	204.07	
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-239.14	
			For Aluminized Steel Gate And Post, Add	612.20	
			For Powder Coated Gate And Post, Add	331.61	
32 31	13	13-0285	5' Fence Height (32 31 13 13-0264)		
32 31	13	13-0286	EA 3' Wide x 5' High Single Gate Galvanized Steel Without Barbed Wire	195.00	21.16
			For Gate With Single Barb Wire Arm, Add	14.45	
			For Gate With Double Barb Wire Arm, Add	21.01	
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-24.63	
			For Aluminized Steel Gate And Post, Add	63.04	
			For Powder Coated Gate And Post, Add	34.15	
32 31	13	13-0287	EA 4' Wide x 5' High Single Gate Galvanized Steel Without Barbed Wire	238.21	21.16
			For Gate With Single Barb Wire Arm, Add	19.20	
			For Gate With Double Barb Wire Arm, Add	27.93	
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-32.73	
			For Aluminized Steel Gate And Post, Add	83.78	
			For Powder Coated Gate And Post, Add	45.38	
32 31	13	13-0288	EA 5' Wide x 5' High Single Gate Galvanized Steel Without Barbed Wire	275.03	22.52
			For Gate With Single Barb Wire Arm, Add	22.81	
			For Gate With Double Barb Wire Arm, Add	33.18	
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-38.88	
			For Aluminized Steel Gate And Post, Add	99.54	
			For Powder Coated Gate And Post, Add	53.92	

32 Exterior Improvements**32 30 Site Improvements****32 31 Fences And Gates**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0289 EA 6' Wide x 5' High Single Gate Galvanized Steel Without Barbed Wire.....	323.12	27.05
For Gate With Single Barb Wire Arm, Add	26.61	
For Gate With Double Barb Wire Arm, Add	38.71	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-45.37	
For Aluminized Steel Gate And Post, Add	116.14	
For Powder Coated Gate And Post, Add	62.91	
32 31 13 13-0290 EA 7' Wide x 5' High Single Gate Galvanized Steel Without Barbed Wire.....	367.74	31.51
For Gate With Single Barb Wire Arm, Add	30.04	
For Gate With Double Barb Wire Arm, Add	43.69	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-51.20	
For Aluminized Steel Gate And Post, Add	131.07	
For Powder Coated Gate And Post, Add	71.00	
32 31 13 13-0291 EA 8' Wide x 5' High Single Gate Galvanized Steel Without Barbed Wire.....	416.64	36.29
For Gate With Single Barb Wire Arm, Add	33.84	
For Gate With Double Barb Wire Arm, Add	49.22	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-57.68	
For Aluminized Steel Gate And Post, Add	147.66	
For Powder Coated Gate And Post, Add	79.98	
32 31 13 13-0292 EA 9' Wide x 5' High Single Gate Galvanized Steel Without Barbed Wire.....	462.99	40.82
For Gate With Single Barb Wire Arm, Add	37.45	
For Gate With Double Barb Wire Arm, Add	54.47	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-63.84	
For Aluminized Steel Gate And Post, Add	163.42	
For Powder Coated Gate And Post, Add	88.52	
32 31 13 13-0293 EA 10' Wide x 5' High Single Gate Galvanized Steel Without Barbed Wire.....	509.35	45.27
For Gate With Single Barb Wire Arm, Add	41.06	
For Gate With Double Barb Wire Arm, Add	59.73	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-69.99	
For Aluminized Steel Gate And Post, Add	179.18	
For Powder Coated Gate And Post, Add	97.06	
32 31 13 13-0294 EA 10' Wide x 5' High Double Gate Galvanized Steel Without Barbed Wire	663.17	45.44
For Gate With Single Barb Wire Arm, Add	57.94	
For Gate With Double Barb Wire Arm, Add	84.28	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-98.77	
For Aluminized Steel Gate And Post, Add	252.84	
For Powder Coated Gate And Post, Add	136.96	
32 31 13 13-0295 EA 12' Wide x 5' High Double Gate Galvanized Steel Without Barbed Wire	779.41	48.94
For Gate With Single Barb Wire Arm, Add	69.58	
For Gate With Double Barb Wire Arm, Add	101.20	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-118.60	
For Aluminized Steel Gate And Post, Add	303.61	
For Powder Coated Gate And Post, Add	164.46	
32 31 13 13-0296 EA 14' Wide x 5' High Double Gate Galvanized Steel Without Barbed Wire	897.43	52.99
For Gate With Single Barb Wire Arm, Add	81.21	
For Gate With Double Barb Wire Arm, Add	118.13	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-138.43	
For Aluminized Steel Gate And Post, Add	354.38	
For Powder Coated Gate And Post, Add	191.96	
32 31 13 13-0297 EA 16' Wide x 5' High Double Gate Galvanized Steel Without Barbed Wire	1,032.58	62.75
For Gate With Single Barb Wire Arm, Add	92.85	
For Gate With Double Barb Wire Arm, Add	135.05	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-158.26	
For Aluminized Steel Gate And Post, Add	405.14	
For Powder Coated Gate And Post, Add	219.45	
32 31 13 13-0298 EA 18' Wide x 5' High Double Gate Galvanized Steel Without Barbed Wire	1,149.74	67.25
For Gate With Single Barb Wire Arm, Add	104.25	
For Gate With Double Barb Wire Arm, Add	151.64	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-177.70	
For Aluminized Steel Gate And Post, Add	454.92	
For Powder Coated Gate And Post, Add	246.41	
32 31 13 13-0299 EA 20' Wide x 5' High Double Gate Galvanized Steel Without Barbed Wire	1,273.12	72.47
For Gate With Single Barb Wire Arm, Add	116.11	
For Gate With Double Barb Wire Arm, Add	168.89	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-197.92	
For Aluminized Steel Gate And Post, Add	506.68	
For Powder Coated Gate And Post, Add	274.45	
32 31 13 13-0300 EA 22' Wide x 5' High Double Gate Galvanized Steel Without Barbed Wire	1,397.02	78.48
For Gate With Single Barb Wire Arm, Add	127.75	
For Gate With Double Barb Wire Arm, Add	185.82	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-217.75	
For Aluminized Steel Gate And Post, Add	557.45	
For Powder Coated Gate And Post, Add	301.95	
32 31 13 13-0301 EA 24' Wide x 5' High Double Gate Galvanized Steel Without Barbed Wire	1,522.14	85.63
For Gate With Single Barb Wire Arm, Add	139.15	
For Gate With Double Barb Wire Arm, Add	202.41	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-237.20	
For Aluminized Steel Gate And Post, Add	607.22	
For Powder Coated Gate And Post, Add	328.91	
32 31 13 13-0302 EA 26' Wide x 5' High Double Gate Galvanized Steel Without Barbed Wire	1,655.68	94.21
For Gate With Single Barb Wire Arm, Add	151.02	
For Gate With Double Barb Wire Arm, Add	219.66	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-257.42	
For Aluminized Steel Gate And Post, Add	658.98	
For Powder Coated Gate And Post, Add	356.95	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0303 EA 28' Wide x 5' High Double Gate Galvanized Steel Without Barbed Wire	1,791.56	104.64
For Gate With Single Barb Wire Arm, Add	162.51	
For Gate With Double Barb Wire Arm, Add	236.37	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-277.00	
For Aluminized Steel Gate And Post, Add	709.12	
For Powder Coated Gate And Post, Add	384.11	
32 31 13 13-0304 EA 30' Wide x 5' High Double Gate Galvanized Steel Without Barbed Wire	1,933.77	117.71
For Gate With Single Barb Wire Arm, Add	173.83	
For Gate With Double Barb Wire Arm, Add	252.84	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-296.30	
For Aluminized Steel Gate And Post, Add	758.53	
For Powder Coated Gate And Post, Add	410.87	
32 31 13 13-0305 6' Fence Height <small>(32 31 13 13-0264)</small>		
32 31 13 13-0306 EA 3' Wide x 6' High Single Gate Galvanized Steel Without Barbed Wire	209.05	22.67
For Gate With Single Barb Wire Arm, Add	15.49	
For Gate With Double Barb Wire Arm, Add	22.54	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-26.41	
For Aluminized Steel Gate And Post, Add	67.61	
For Powder Coated Gate And Post, Add	36.62	
32 31 13 13-0307 EA 4' Wide x 6' High Single Gate Galvanized Steel Without Barbed Wire	255.71	22.67
For Gate With Single Barb Wire Arm, Add	20.63	
For Gate With Double Barb Wire Arm, Add	30.00	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-35.16	
For Aluminized Steel Gate And Post, Add	90.00	
For Powder Coated Gate And Post, Add	48.75	
32 31 13 13-0308 EA 5' Wide x 6' High Single Gate Galvanized Steel Without Barbed Wire	295.62	24.11
For Gate With Single Barb Wire Arm, Add	24.55	
For Gate With Double Barb Wire Arm, Add	35.71	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-41.85	
For Aluminized Steel Gate And Post, Add	107.14	
For Powder Coated Gate And Post, Add	58.03	
32 31 13 13-0309 EA 6' Wide x 6' High Single Gate Galvanized Steel Without Barbed Wire	345.02	29.13
For Gate With Single Barb Wire Arm, Add	28.33	
For Gate With Double Barb Wire Arm, Add	41.20	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-48.28	
For Aluminized Steel Gate And Post, Add	123.60	
For Powder Coated Gate And Post, Add	66.95	
32 31 13 13-0310 EA 7' Wide x 6' High Single Gate Galvanized Steel Without Barbed Wire	396.43	34.21
For Gate With Single Barb Wire Arm, Add	32.32	
For Gate With Double Barb Wire Arm, Add	47.01	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-55.09	
For Aluminized Steel Gate And Post, Add	141.02	
For Powder Coated Gate And Post, Add	76.39	
32 31 13 13-0311 EA 8' Wide x 6' High Single Gate Galvanized Steel Without Barbed Wire	445.32	38.99
For Gate With Single Barb Wire Arm, Add	36.12	
For Gate With Double Barb Wire Arm, Add	52.54	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-61.57	
For Aluminized Steel Gate And Post, Add	157.61	
For Powder Coated Gate And Post, Add	85.37	
32 31 13 13-0312 EA 9' Wide x 6' High Single Gate Galvanized Steel Without Barbed Wire	495.01	44.00
For Gate With Single Barb Wire Arm, Add	39.92	
For Gate With Double Barb Wire Arm, Add	58.07	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-68.05	
For Aluminized Steel Gate And Post, Add	174.20	
For Powder Coated Gate And Post, Add	94.36	
32 31 13 13-0313 EA 10' Wide x 6' High Single Gate Galvanized Steel Without Barbed Wire	529.12	49.02
For Gate With Single Barb Wire Arm, Add	42.01	
For Gate With Double Barb Wire Arm, Add	61.11	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-71.61	
For Aluminized Steel Gate And Post, Add	183.33	
For Powder Coated Gate And Post, Add	99.30	
32 31 13 13-0314 EA 10' Wide x 6' High Double Gate Galvanized Steel Without Barbed Wire	708.90	48.94
For Gate With Single Barb Wire Arm, Add	61.82	
For Gate With Double Barb Wire Arm, Add	89.92	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-105.38	
For Aluminized Steel Gate And Post, Add	269.76	
For Powder Coated Gate And Post, Add	146.12	
32 31 13 13-0315 EA 12' Wide x 6' High Double Gate Galvanized Steel Without Barbed Wire	833.14	52.99
For Gate With Single Barb Wire Arm, Add	74.14	
For Gate With Double Barb Wire Arm, Add	107.84	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-126.38	
For Aluminized Steel Gate And Post, Add	323.52	
For Powder Coated Gate And Post, Add	175.24	
32 31 13 13-0316 EA 14' Wide x 6' High Double Gate Galvanized Steel Without Barbed Wire	990.06	67.25
For Gate With Single Barb Wire Arm, Add	86.69	
For Gate With Double Barb Wire Arm, Add	126.09	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-147.76	
For Aluminized Steel Gate And Post, Add	378.27	
For Powder Coated Gate And Post, Add	204.90	

32 Exterior Improvements**32 30 Site Improvements****32 31 Fences And Gates**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13	13-0317	EA	16' Wide x 6' High Double Gate Galvanized Steel Without Barbed Wire	1,117.59	72.47
			<i>For Gate With Single Barb Wire Arm, Add</i>	99.01	
			<i>For Gate With Double Barb Wire Arm, Add</i>	144.01	
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-168.76	
			<i>For Aluminized Steel Gate And Post, Add</i>	432.02	
			<i>For Powder Coated Gate And Post, Add</i>	234.01	
32 31 13	13-0318	EA	18' Wide x 6' High Double Gate Galvanized Steel Without Barbed Wire	1,249.78	78.48
			<i>For Gate With Single Barb Wire Arm, Add</i>	111.55	
			<i>For Gate With Double Barb Wire Arm, Add</i>	162.26	
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-190.15	
			<i>For Aluminized Steel Gate And Post, Add</i>	486.77	
			<i>For Powder Coated Gate And Post, Add</i>	263.67	
32 31 13	13-0319	EA	20' Wide x 6' High Double Gate Galvanized Steel Without Barbed Wire	1,385.27	85.63
			<i>For Gate With Single Barb Wire Arm, Add</i>	124.10	
			<i>For Gate With Double Barb Wire Arm, Add</i>	180.51	
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-211.53	
			<i>For Aluminized Steel Gate And Post, Add</i>	541.52	
			<i>For Powder Coated Gate And Post, Add</i>	293.32	
32 31 13	13-0320	EA	22' Wide x 6' High Double Gate Galvanized Steel Without Barbed Wire	1,522.96	94.21
			<i>For Gate With Single Barb Wire Arm, Add</i>	136.42	
			<i>For Gate With Double Barb Wire Arm, Add</i>	198.43	
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-232.53	
			<i>For Aluminized Steel Gate And Post, Add</i>	595.28	
			<i>For Powder Coated Gate And Post, Add</i>	322.44	
32 31 13	13-0321	EA	24' Wide x 6' High Double Gate Galvanized Steel Without Barbed Wire	1,667.40	104.64
			<i>For Gate With Single Barb Wire Arm, Add</i>	148.85	
			<i>For Gate With Double Barb Wire Arm, Add</i>	216.51	
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-253.72	
			<i>For Aluminized Steel Gate And Post, Add</i>	649.53	
			<i>For Powder Coated Gate And Post, Add</i>	351.83	
32 31 13	13-0322	EA	26' Wide x 6' High Double Gate Galvanized Steel Without Barbed Wire	1,818.46	117.71
			<i>For Gate With Single Barb Wire Arm, Add</i>	161.15	
			<i>For Gate With Double Barb Wire Arm, Add</i>	234.39	
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-274.68	
			<i>For Aluminized Steel Gate And Post, Add</i>	703.18	
			<i>For Powder Coated Gate And Post, Add</i>	380.89	
32 31 13	13-0323	EA	28' Wide x 6' High Double Gate Galvanized Steel Without Barbed Wire	1,982.20	134.50
			<i>For Gate With Single Barb Wire Arm, Add</i>	173.60	
			<i>For Gate With Double Barb Wire Arm, Add</i>	252.51	
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-295.91	
			<i>For Aluminized Steel Gate And Post, Add</i>	757.53	
			<i>For Powder Coated Gate And Post, Add</i>	410.33	
32 31 13	13-0324	EA	30' Wide x 6' High Double Gate Galvanized Steel Without Barbed Wire	2,162.96	156.95
			<i>For Gate With Single Barb Wire Arm, Add</i>	186.08	
			<i>For Gate With Double Barb Wire Arm, Add</i>	270.66	
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-317.18	
			<i>For Aluminized Steel Gate And Post, Add</i>	811.98	
			<i>For Powder Coated Gate And Post, Add</i>	439.82	
32 31 13	13-0325		7' Fence Height <small>(32 31 13 13-0264)</small>		
32 31 13	13-0326	EA	3' Wide x 7' High Single Gate Galvanized Steel Without Barbed Wire.....	220.35	24.43
			<i>For Gate With Single Barb Wire Arm, Add</i>	16.16	
			<i>For Gate With Double Barb Wire Arm, Add</i>	23.50	
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-27.54	
			<i>For Aluminized Steel Gate And Post, Add</i>	70.51	
			<i>For Powder Coated Gate And Post, Add</i>	38.19	
32 31 13	13-0327	EA	4' Wide x 7' High Single Gate Galvanized Steel Without Barbed Wire.....	268.74	24.43
			<i>For Gate With Single Barb Wire Arm, Add</i>	21.48	
			<i>For Gate With Double Barb Wire Arm, Add</i>	31.25	
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-36.62	
			<i>For Aluminized Steel Gate And Post, Add</i>	93.74	
			<i>For Powder Coated Gate And Post, Add</i>	50.78	
32 31 13	13-0328	EA	5' Wide x 7' High Single Gate Galvanized Steel Without Barbed Wire.....	311.66	25.70
			<i>For Gate With Single Barb Wire Arm, Add</i>	25.79	
			<i>For Gate With Double Barb Wire Arm, Add</i>	37.52	
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-43.97	
			<i>For Aluminized Steel Gate And Post, Add</i>	112.55	
			<i>For Powder Coated Gate And Post, Add</i>	60.96	
32 31 13	13-0329	EA	6' Wide x 7' High Single Gate Galvanized Steel Without Barbed Wire.....	381.60	31.27
			<i>For Gate With Single Barb Wire Arm, Add</i>	31.65	
			<i>For Gate With Double Barb Wire Arm, Add</i>	46.03	
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-53.95	
			<i>For Aluminized Steel Gate And Post, Add</i>	138.10	
			<i>For Powder Coated Gate And Post, Add</i>	74.80	
32 31 13	13-0330	EA	7' Wide x 7' High Single Gate Galvanized Steel Without Barbed Wire.....	450.76	36.60
			<i>For Gate With Single Barb Wire Arm, Add</i>	37.51	
			<i>For Gate With Double Barb Wire Arm, Add</i>	54.55	
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-63.93	
			<i>For Aluminized Steel Gate And Post, Add</i>	163.66	
			<i>For Powder Coated Gate And Post, Add</i>	88.65	



		Exterior Improvements	32
		Site Improvements	32 30
		Fences And Gates	32 31

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0331 EA 8' Wide x 7' High Single Gate Galvanized Steel Without Barbed Wire	520.71	42.09
For Gate With Single Barb Wire Arm, Add	43.36	
For Gate With Double Barb Wire Arm, Add	63.07	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-73.91	
For Aluminized Steel Gate And Post, Add	189.21	
For Powder Coated Gate And Post, Add	102.49	
32 31 13 13-0332 EA 9' Wide x 7' High Single Gate Galvanized Steel Without Barbed Wire	589.86	47.42
For Gate With Single Barb Wire Arm, Add	49.22	
For Gate With Double Barb Wire Arm, Add	71.59	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-83.89	
For Aluminized Steel Gate And Post, Add	214.77	
For Powder Coated Gate And Post, Add	116.33	
32 31 13 13-0333 EA 10' Wide x 7' High Single Gate Galvanized Steel Without Barbed Wire	650.21	52.99
For Gate With Single Barb Wire Arm, Add	54.02	
For Gate With Double Barb Wire Arm, Add	78.57	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-92.08	
For Aluminized Steel Gate And Post, Add	235.71	
For Powder Coated Gate And Post, Add	127.68	
32 31 13 13-0334 EA 10' Wide x 7' High Double Gate Galvanized Steel Without Barbed Wire	803.73	52.99
For Gate With Single Barb Wire Arm, Add	70.90	
For Gate With Double Barb Wire Arm, Add	103.13	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-120.86	
For Aluminized Steel Gate And Post, Add	309.40	
For Powder Coated Gate And Post, Add	167.59	
32 31 13 13-0335 EA 12' Wide x 7' High Double Gate Galvanized Steel Without Barbed Wire	918.73	67.25
For Gate With Single Barb Wire Arm, Add	78.84	
For Gate With Double Barb Wire Arm, Add	114.68	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-134.39	
For Aluminized Steel Gate And Post, Add	344.03	
For Powder Coated Gate And Post, Add	186.35	
32 31 13 13-0336 EA 14' Wide x 7' High Double Gate Galvanized Steel Without Barbed Wire	1,053.73	72.47
For Gate With Single Barb Wire Arm, Add	91.98	
For Gate With Double Barb Wire Arm, Add	133.79	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-156.79	
For Aluminized Steel Gate And Post, Add	401.37	
For Powder Coated Gate And Post, Add	217.41	
32 31 13 13-0337 EA 16' Wide x 7' High Double Gate Galvanized Steel Without Barbed Wire	1,181.34	78.48
For Gate With Single Barb Wire Arm, Add	104.02	
For Gate With Double Barb Wire Arm, Add	151.31	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-177.31	
For Aluminized Steel Gate And Post, Add	453.92	
For Powder Coated Gate And Post, Add	245.87	
32 31 13 13-0338 EA 18' Wide x 7' High Double Gate Galvanized Steel Without Barbed Wire	1,323.05	85.63
For Gate With Single Barb Wire Arm, Add	117.25	
For Gate With Double Barb Wire Arm, Add	170.55	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-199.87	
For Aluminized Steel Gate And Post, Add	511.66	
For Powder Coated Gate And Post, Add	277.15	
32 31 13 13-0339 EA 20' Wide x 7' High Double Gate Galvanized Steel Without Barbed Wire	1,466.96	94.21
For Gate With Single Barb Wire Arm, Add	130.26	
For Gate With Double Barb Wire Arm, Add	189.47	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-222.03	
For Aluminized Steel Gate And Post, Add	568.40	
For Powder Coated Gate And Post, Add	307.88	
32 31 13 13-0340 EA 22' Wide x 7' High Double Gate Galvanized Steel Without Barbed Wire	1,616.59	104.64
For Gate With Single Barb Wire Arm, Add	143.26	
For Gate With Double Barb Wire Arm, Add	208.38	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-244.19	
For Aluminized Steel Gate And Post, Add	625.14	
For Powder Coated Gate And Post, Add	338.62	
32 31 13 13-0341 EA 24' Wide x 7' High Double Gate Galvanized Steel Without Barbed Wire	1,774.08	117.71
For Gate With Single Barb Wire Arm, Add	156.26	
For Gate With Double Barb Wire Arm, Add	227.29	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-266.36	
For Aluminized Steel Gate And Post, Add	681.88	
For Powder Coated Gate And Post, Add	369.35	
32 31 13 13-0342 EA 26' Wide x 7' High Double Gate Galvanized Steel Without Barbed Wire	1,942.80	134.50
For Gate With Single Barb Wire Arm, Add	169.27	
For Gate With Double Barb Wire Arm, Add	246.21	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-288.52	
For Aluminized Steel Gate And Post, Add	738.62	
For Powder Coated Gate And Post, Add	400.09	
32 31 13 13-0343 EA 28' Wide x 7' High Double Gate Galvanized Steel Without Barbed Wire	2,128.33	156.95
For Gate With Single Barb Wire Arm, Add	182.27	
For Gate With Double Barb Wire Arm, Add	265.12	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-310.69	
For Aluminized Steel Gate And Post, Add	795.36	
For Powder Coated Gate And Post, Add	430.82	
32 31 13 13-0344 EA 30' Wide x 7' High Double Gate Galvanized Steel Without Barbed Wire	2,340.81	188.33
For Gate With Single Barb Wire Arm, Add	195.27	
For Gate With Double Barb Wire Arm, Add	284.03	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-332.85	
For Aluminized Steel Gate And Post, Add	852.10	
For Powder Coated Gate And Post, Add	461.55	

32 Exterior Improvements**32 30 Site Improvements****32 31 Fences And Gates**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13	13-0345		8' Fence Height <small>(32 31 13 13-0264)</small>		
	32 31 13 13-0346	EA	3' Wide x 8' High Single Gate Galvanized Steel Without Barbed Wire.....	255.01	26.50
			<i>For Gate With Single Barb Wire Arm, Add</i>	19.30	
			<i>For Gate With Double Barb Wire Arm, Add</i>	28.07	
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-32.90	
			<i>For Aluminized Steel Gate And Post, Add</i>	84.21	
			<i>For Powder Coated Gate And Post, Add</i>	45.61	
	32 31 13 13-0347	EA	4' Wide x 8' High Single Gate Galvanized Steel Without Barbed Wire.....	313.49	26.50
			<i>For Gate With Single Barb Wire Arm, Add</i>	25.73	
			<i>For Gate With Double Barb Wire Arm, Add</i>	37.43	
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-43.86	
			<i>For Aluminized Steel Gate And Post, Add</i>	112.28	
			<i>For Powder Coated Gate And Post, Add</i>	60.82	
	32 31 13 13-0348	EA	5' Wide x 8' High Single Gate Galvanized Steel Without Barbed Wire.....	363.83	29.52
			<i>For Gate With Single Barb Wire Arm, Add</i>	30.26	
			<i>For Gate With Double Barb Wire Arm, Add</i>	44.02	
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-51.58	
			<i>For Aluminized Steel Gate And Post, Add</i>	132.05	
			<i>For Powder Coated Gate And Post, Add</i>	71.53	
	32 31 13 13-0349	EA	6' Wide x 8' High Single Gate Galvanized Steel Without Barbed Wire.....	416.56	33.41
			<i>For Gate With Single Barb Wire Arm, Add</i>	34.79	
			<i>For Gate With Double Barb Wire Arm, Add</i>	50.61	
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-59.31	
			<i>For Aluminized Steel Gate And Post, Add</i>	151.83	
			<i>For Powder Coated Gate And Post, Add</i>	82.24	
	32 31 13 13-0350	EA	7' Wide x 8' High Single Gate Galvanized Steel Without Barbed Wire.....	478.46	40.26
			<i>For Gate With Single Barb Wire Arm, Add</i>	39.33	
			<i>For Gate With Double Barb Wire Arm, Add</i>	57.20	
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-67.03	
			<i>For Aluminized Steel Gate And Post, Add</i>	171.60	
			<i>For Powder Coated Gate And Post, Add</i>	92.95	
	32 31 13 13-0351	EA	8' Wide x 8' High Single Gate Galvanized Steel Without Barbed Wire.....	539.55	46.86
			<i>For Gate With Single Barb Wire Arm, Add</i>	43.86	
			<i>For Gate With Double Barb Wire Arm, Add</i>	63.79	
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-74.76	
			<i>For Aluminized Steel Gate And Post, Add</i>	191.38	
			<i>For Powder Coated Gate And Post, Add</i>	103.66	
	32 31 13 13-0352	EA	9' Wide x 8' High Single Gate Galvanized Steel Without Barbed Wire.....	601.43	53.79
			<i>For Gate With Single Barb Wire Arm, Add</i>	48.39	
			<i>For Gate With Double Barb Wire Arm, Add</i>	70.39	
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-82.48	
			<i>For Aluminized Steel Gate And Post, Add</i>	211.16	
			<i>For Powder Coated Gate And Post, Add</i>	114.38	
	32 31 13 13-0353	EA	10' Wide x 8' High Single Gate Galvanized Steel Without Barbed Wire.....	663.32	60.71
			<i>For Gate With Single Barb Wire Arm, Add</i>	52.92	
			<i>For Gate With Double Barb Wire Arm, Add</i>	76.98	
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-90.21	
			<i>For Aluminized Steel Gate And Post, Add</i>	230.93	
			<i>For Powder Coated Gate And Post, Add</i>	125.09	
	32 31 13 13-0354	EA	10' Wide x 8' High Double Gate Galvanized Steel Without Barbed Wire.....	923.68	67.25
			<i>For Gate With Single Barb Wire Arm, Add</i>	79.38	
			<i>For Gate With Double Barb Wire Arm, Add</i>	115.47	
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-135.32	
			<i>For Aluminized Steel Gate And Post, Add</i>	346.41	
			<i>For Powder Coated Gate And Post, Add</i>	187.64	
	32 31 13 13-0355	EA	12' Wide x 8' High Double Gate Galvanized Steel Without Barbed Wire.....	1,078.18	72.47
			<i>For Gate With Single Barb Wire Arm, Add</i>	94.67	
			<i>For Gate With Double Barb Wire Arm, Add</i>	137.70	
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-161.37	
			<i>For Aluminized Steel Gate And Post, Add</i>	413.11	
			<i>For Powder Coated Gate And Post, Add</i>	223.77	
	32 31 13 13-0356	EA	14' Wide x 8' High Double Gate Galvanized Steel Without Barbed Wire.....	1,237.33	78.48
			<i>For Gate With Single Barb Wire Arm, Add</i>	110.18	
			<i>For Gate With Double Barb Wire Arm, Add</i>	160.27	
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-187.81	
			<i>For Aluminized Steel Gate And Post, Add</i>	480.80	
			<i>For Powder Coated Gate And Post, Add</i>	260.43	
	32 31 13 13-0357	EA	16' Wide x 8' High Double Gate Galvanized Steel Without Barbed Wire.....	1,403.93	85.63
			<i>For Gate With Single Barb Wire Arm, Add</i>	126.15	
			<i>For Gate With Double Barb Wire Arm, Add</i>	183.49	
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-215.03	
			<i>For Aluminized Steel Gate And Post, Add</i>	550.48	
			<i>For Powder Coated Gate And Post, Add</i>	298.18	
	32 31 13 13-0358	EA	18' Wide x 8' High Double Gate Galvanized Steel Without Barbed Wire.....	1,574.80	94.21
			<i>For Gate With Single Barb Wire Arm, Add</i>	142.12	
			<i>For Gate With Double Barb Wire Arm, Add</i>	206.72	
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-242.25	
			<i>For Aluminized Steel Gate And Post, Add</i>	620.16	
			<i>For Powder Coated Gate And Post, Add</i>	335.92	
	32 31 13 13-0359	EA	20' Wide x 8' High Double Gate Galvanized Steel Without Barbed Wire.....	1,749.32	104.64
			<i>For Gate With Single Barb Wire Arm, Add</i>	157.86	
			<i>For Gate With Double Barb Wire Arm, Add</i>	229.62	
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-269.08	
			<i>For Aluminized Steel Gate And Post, Add</i>	688.85	
			<i>For Powder Coated Gate And Post, Add</i>	373.13	



Exterior Improvements	32	32
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Fences And Gates	32 31	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0360 EA 22' Wide x 8' High Double Gate Galvanized Steel Without Barbed Wire	1,929.62	117.71
For Gate With Single Barb Wire Arm, Add	173.37	
For Gate With Double Barb Wire Arm, Add	252.18	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-295.52	
For Aluminized Steel Gate And Post, Add	756.54	
For Powder Coated Gate And Post, Add	409.79	
32 31 13 13-0361 EA 24' Wide x 8' High Double Gate Galvanized Steel Without Barbed Wire	2,125.30	134.50
For Gate With Single Barb Wire Arm, Add	189.34	
For Gate With Double Barb Wire Arm, Add	275.41	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-322.74	
For Aluminized Steel Gate And Post, Add	826.22	
For Powder Coated Gate And Post, Add	447.54	
32 31 13 13-0362 EA 26' Wide x 8' High Double Gate Galvanized Steel Without Barbed Wire	2,337.79	156.95
For Gate With Single Barb Wire Arm, Add	205.31	
For Gate With Double Barb Wire Arm, Add	298.63	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-349.96	
For Aluminized Steel Gate And Post, Add	895.90	
For Powder Coated Gate And Post, Add	485.28	
32 31 13 13-0363 EA 28' Wide x 8' High Double Gate Galvanized Steel Without Barbed Wire	2,575.15	188.33
For Gate With Single Barb Wire Arm, Add	221.05	
For Gate With Double Barb Wire Arm, Add	321.53	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-376.79	
For Aluminized Steel Gate And Post, Add	964.58	
For Powder Coated Gate And Post, Add	522.48	
32 31 13 13-0364 EA 30' Wide x 8' High Double Gate Galvanized Steel Without Barbed Wire	2,859.65	235.44
For Gate With Single Barb Wire Arm, Add	236.79	
For Gate With Double Barb Wire Arm, Add	344.42	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-403.62	
For Aluminized Steel Gate And Post, Add	1,033.27	
For Powder Coated Gate And Post, Add	559.69	
32 31 13 13-0365 10' Fence Height (32 31 13 13-0264)		
32 31 13 13-0366 EA 3' Wide x 10' High Single Gate Galvanized Steel Without Barbed Wire	315.27	29.44
For Gate With Single Barb Wire Arm, Add	24.95	
For Gate With Double Barb Wire Arm, Add	36.30	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-42.54	
For Aluminized Steel Gate And Post, Add	108.89	
For Powder Coated Gate And Post, Add	58.98	
32 31 13 13-0367 EA 4' Wide x 10' High Single Gate Galvanized Steel Without Barbed Wire	390.90	29.44
For Gate With Single Barb Wire Arm, Add	33.27	
For Gate With Double Barb Wire Arm, Add	48.40	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-56.72	
For Aluminized Steel Gate And Post, Add	145.20	
For Powder Coated Gate And Post, Add	78.65	
32 31 13 13-0368 EA 5' Wide x 10' High Single Gate Galvanized Steel Without Barbed Wire	448.07	30.72
For Gate With Single Barb Wire Arm, Add	39.13	
For Gate With Double Barb Wire Arm, Add	56.92	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-66.71	
For Aluminized Steel Gate And Post, Add	170.77	
For Powder Coated Gate And Post, Add	92.50	
32 31 13 13-0369 EA 6' Wide x 10' High Single Gate Galvanized Steel Without Barbed Wire	523.62	38.20
For Gate With Single Barb Wire Arm, Add	45.00	
For Gate With Double Barb Wire Arm, Add	65.45	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-76.70	
For Aluminized Steel Gate And Post, Add	196.34	
For Powder Coated Gate And Post, Add	106.35	
32 31 13 13-0370 EA 7' Wide x 10' High Single Gate Galvanized Steel Without Barbed Wire	598.72	45.27
For Gate With Single Barb Wire Arm, Add	50.85	
For Gate With Double Barb Wire Arm, Add	73.97	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-86.68	
For Aluminized Steel Gate And Post, Add	221.91	
For Powder Coated Gate And Post, Add	120.20	
32 31 13 13-0371 EA 8' Wide x 10' High Single Gate Galvanized Steel Without Barbed Wire	673.93	52.75
For Gate With Single Barb Wire Arm, Add	56.71	
For Gate With Double Barb Wire Arm, Add	82.49	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-96.67	
For Aluminized Steel Gate And Post, Add	247.48	
For Powder Coated Gate And Post, Add	134.05	
32 31 13 13-0372 EA 9' Wide x 10' High Single Gate Galvanized Steel Without Barbed Wire	748.69	59.91
For Gate With Single Barb Wire Arm, Add	62.58	
For Gate With Double Barb Wire Arm, Add	91.02	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-106.66	
For Aluminized Steel Gate And Post, Add	273.06	
For Powder Coated Gate And Post, Add	147.91	
32 31 13 13-0373 EA 10' Wide x 10' High Single Gate Galvanized Steel Without Barbed Wire	824.26	67.31
For Gate With Single Barb Wire Arm, Add	68.44	
For Gate With Double Barb Wire Arm, Add	99.54	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-116.65	
For Aluminized Steel Gate And Post, Add	298.63	
For Powder Coated Gate And Post, Add	161.76	

32 Exterior Improvements**32 30 Site Improvements****32 31 Fences And Gates**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0374 EA 10' Wide x 10' High Double Gate Galvanized Steel Without Barbed Wire	1,157.67	74.77
For Gate With Single Barb Wire Arm, Add	102.65	
For Gate With Double Barb Wire Arm, Add	149.32	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-174.98	
For Aluminized Steel Gate And Post, Add	447.95	
For Powder Coated Gate And Post, Add	242.64	
32 31 13 13-0375 EA 12' Wide x 10' High Double Gate Galvanized Steel Without Barbed Wire	1,257.83	80.42
For Gate With Single Barb Wire Arm, Add	111.78	
For Gate With Double Barb Wire Arm, Add	162.59	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-190.54	
For Aluminized Steel Gate And Post, Add	487.78	
For Powder Coated Gate And Post, Add	264.21	
32 31 13 13-0376 EA 14' Wide x 10' High Double Gate Galvanized Steel Without Barbed Wire	1,427.36	87.23
For Gate With Single Barb Wire Arm, Add	128.21	
For Gate With Double Barb Wire Arm, Add	186.48	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-218.53	
For Aluminized Steel Gate And Post, Add	559.44	
For Powder Coated Gate And Post, Add	303.03	
32 31 13 13-0377 EA 16' Wide x 10' High Double Gate Galvanized Steel Without Barbed Wire	1,616.95	95.09
For Gate With Single Barb Wire Arm, Add	146.46	
For Gate With Double Barb Wire Arm, Add	213.03	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-249.64	
For Aluminized Steel Gate And Post, Add	639.08	
For Powder Coated Gate And Post, Add	346.17	
32 31 13 13-0378 EA 18' Wide x 10' High Double Gate Galvanized Steel Without Barbed Wire	1,811.53	104.64
For Gate With Single Barb Wire Arm, Add	164.70	
For Gate With Double Barb Wire Arm, Add	239.57	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-280.75	
For Aluminized Steel Gate And Post, Add	718.71	
For Powder Coated Gate And Post, Add	389.30	
32 31 13 13-0379 EA 20' Wide x 10' High Double Gate Galvanized Steel Without Barbed Wire	2,013.23	116.22
For Gate With Single Barb Wire Arm, Add	183.07	
For Gate With Double Barb Wire Arm, Add	266.28	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-312.05	
For Aluminized Steel Gate And Post, Add	798.84	
For Powder Coated Gate And Post, Add	432.71	
32 31 13 13-0380 EA 22' Wide x 10' High Double Gate Galvanized Steel Without Barbed Wire	2,223.98	130.80
For Gate With Single Barb Wire Arm, Add	201.43	
For Gate With Double Barb Wire Arm, Add	292.99	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-343.35	
For Aluminized Steel Gate And Post, Add	878.98	
For Powder Coated Gate And Post, Add	476.11	
32 31 13 13-0381 EA 24' Wide x 10' High Double Gate Galvanized Steel Without Barbed Wire	2,445.72	149.35
For Gate With Single Barb Wire Arm, Add	219.68	
For Gate With Double Barb Wire Arm, Add	319.54	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-374.46	
For Aluminized Steel Gate And Post, Add	958.61	
For Powder Coated Gate And Post, Add	519.25	
32 31 13 13-0382 EA 26' Wide x 10' High Double Gate Galvanized Steel Without Barbed Wire	2,686.73	174.36
For Gate With Single Barb Wire Arm, Add	237.93	
For Gate With Double Barb Wire Arm, Add	346.08	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-405.57	
For Aluminized Steel Gate And Post, Add	1,038.25	
For Powder Coated Gate And Post, Add	562.39	
32 31 13 13-0383 EA 28' Wide x 10' High Double Gate Galvanized Steel Without Barbed Wire	2,956.81	209.10
For Gate With Single Barb Wire Arm, Add	256.18	
For Gate With Double Barb Wire Arm, Add	372.63	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-436.67	
For Aluminized Steel Gate And Post, Add	1,117.88	
For Powder Coated Gate And Post, Add	605.52	
32 31 13 13-0384 EA 30' Wide x 10' High Double Gate Galvanized Steel Without Barbed Wire	3,282.46	261.59
For Gate With Single Barb Wire Arm, Add	274.66	
For Gate With Double Barb Wire Arm, Add	399.50	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-468.17	
For Aluminized Steel Gate And Post, Add	1,198.51	
For Powder Coated Gate And Post, Add	649.19	
32 31 13 13-0385 12' Fence Height <small>(32 31 13 13-0264)</small>		
32 31 13 13-0386 EA 3' Wide x 12' High Single Gate Galvanized Steel Without Barbed Wire.....	388.62	32.71
For Gate With Single Barb Wire Arm, Add	31.94	
For Gate With Double Barb Wire Arm, Add	46.46	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-54.45	
For Aluminized Steel Gate And Post, Add	139.39	
For Powder Coated Gate And Post, Add	75.50	
32 31 13 13-0387 EA 4' Wide x 12' High Single Gate Galvanized Steel Without Barbed Wire.....	485.41	32.71
For Gate With Single Barb Wire Arm, Add	42.59	
For Gate With Double Barb Wire Arm, Add	61.95	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-72.60	
For Aluminized Steel Gate And Post, Add	185.85	
For Powder Coated Gate And Post, Add	100.67	



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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0388 EA 5' Wide x 12' High Single Gate Galvanized Steel Without Barbed Wire	557.22	33.90
For Gate With Single Barb Wire Arm, Add	50.09	
For Gate With Double Barb Wire Arm, Add	72.86	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-85.38	
For Aluminized Steel Gate And Post, Add	218.58	
For Powder Coated Gate And Post, Add	118.40	
32 31 13 13-0389 EA 6' Wide x 12' High Single Gate Galvanized Steel Without Barbed Wire	650.10	42.09
For Gate With Single Barb Wire Arm, Add	57.59	
For Gate With Double Barb Wire Arm, Add	83.77	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-98.17	
For Aluminized Steel Gate And Post, Add	251.32	
For Powder Coated Gate And Post, Add	136.13	
32 31 13 13-0390 EA 7' Wide x 12' High Single Gate Galvanized Steel Without Barbed Wire	742.93	50.36
For Gate With Single Barb Wire Arm, Add	65.09	
For Gate With Double Barb Wire Arm, Add	94.68	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-110.95	
For Aluminized Steel Gate And Post, Add	284.04	
For Powder Coated Gate And Post, Add	153.86	
32 31 13 13-0391 EA 8' Wide x 12' High Single Gate Galvanized Steel Without Barbed Wire	835.01	58.32
For Gate With Single Barb Wire Arm, Add	72.59	
For Gate With Double Barb Wire Arm, Add	105.59	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-123.74	
For Aluminized Steel Gate And Post, Add	316.78	
For Powder Coated Gate And Post, Add	171.59	
32 31 13 13-0392 EA 9' Wide x 12' High Single Gate Galvanized Steel Without Barbed Wire	927.86	66.52
For Gate With Single Barb Wire Arm, Add	80.10	
For Gate With Double Barb Wire Arm, Add	116.50	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-136.53	
For Aluminized Steel Gate And Post, Add	349.51	
For Powder Coated Gate And Post, Add	189.32	
32 31 13 13-0393 EA 10' Wide x 12' High Single Gate Galvanized Steel Without Barbed Wire	1,020.74	74.72
For Gate With Single Barb Wire Arm, Add	87.60	
For Gate With Double Barb Wire Arm, Add	127.41	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-149.31	
For Aluminized Steel Gate And Post, Add	382.24	
For Powder Coated Gate And Post, Add	207.05	
32 31 13 13-0394 EA 10' Wide x 12' High Double Gate Galvanized Steel Without Barbed Wire	1,358.89	83.07
For Gate With Single Barb Wire Arm, Add	122.05	
For Gate With Double Barb Wire Arm, Add	177.52	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-208.03	
For Aluminized Steel Gate And Post, Add	532.56	
For Powder Coated Gate And Post, Add	288.47	
32 31 13 13-0395 EA 12' Wide x 12' High Double Gate Galvanized Steel Without Barbed Wire	1,487.83	89.43
For Gate With Single Barb Wire Arm, Add	134.14	
For Gate With Double Barb Wire Arm, Add	195.11	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-228.64	
For Aluminized Steel Gate And Post, Add	585.32	
For Powder Coated Gate And Post, Add	317.05	
32 31 13 13-0396 EA 14' Wide x 12' High Double Gate Galvanized Steel Without Barbed Wire	1,688.72	96.86
For Gate With Single Barb Wire Arm, Add	153.75	
For Gate With Double Barb Wire Arm, Add	223.64	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-262.08	
For Aluminized Steel Gate And Post, Add	670.93	
For Powder Coated Gate And Post, Add	363.42	
32 31 13 13-0397 EA 16' Wide x 12' High Double Gate Galvanized Steel Without Barbed Wire	1,914.19	105.61
For Gate With Single Barb Wire Arm, Add	175.65	
For Gate With Double Barb Wire Arm, Add	255.50	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-299.41	
For Aluminized Steel Gate And Post, Add	766.49	
For Powder Coated Gate And Post, Add	415.18	
32 31 13 13-0398 EA 18' Wide x 12' High Double Gate Galvanized Steel Without Barbed Wire	2,144.92	116.30
For Gate With Single Barb Wire Arm, Add	197.55	
For Gate With Double Barb Wire Arm, Add	287.35	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-336.74	
For Aluminized Steel Gate And Post, Add	862.06	
For Powder Coated Gate And Post, Add	466.95	
32 31 13 13-0399 EA 20' Wide x 12' High Double Gate Galvanized Steel Without Barbed Wire	2,384.73	129.11
For Gate With Single Barb Wire Arm, Add	219.68	
For Gate With Double Barb Wire Arm, Add	319.54	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-374.46	
For Aluminized Steel Gate And Post, Add	958.61	
For Powder Coated Gate And Post, Add	519.25	
32 31 13 13-0400 EA 22' Wide x 12' High Double Gate Galvanized Steel Without Barbed Wire	2,632.63	145.29
For Gate With Single Barb Wire Arm, Add	241.58	
For Gate With Double Barb Wire Arm, Add	351.39	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-411.79	
For Aluminized Steel Gate And Post, Add	1,054.18	
For Powder Coated Gate And Post, Add	571.01	
32 31 13 13-0401 EA 24' Wide x 12' High Double Gate Galvanized Steel Without Barbed Wire	2,895.82	165.97
For Gate With Single Barb Wire Arm, Add	263.71	
For Gate With Double Barb Wire Arm, Add	383.58	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-449.51	
For Aluminized Steel Gate And Post, Add	1,150.73	
For Powder Coated Gate And Post, Add	623.31	

32 Exterior Improvements**32 30 Site Improvements****32 31 Fences And Gates**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0402	EA		26' Wide x 12' High Double Gate Galvanized Steel Without Barbed Wire	3,176.27	193.80
			<i>For Gate With Single Barb Wire Arm, Add</i>	285.38	
			<i>For Gate With Double Barb Wire Arm, Add</i>	415.10	
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-486.44	
			<i>For Aluminized Steel Gate And Post, Add</i>	1,245.30	
			<i>For Powder Coated Gate And Post, Add</i>	674.54	
32 31 13 13-0403	EA		28' Wide x 12' High Double Gate Galvanized Steel Without Barbed Wire	3,491.11	232.34
			<i>For Gate With Single Barb Wire Arm, Add</i>	307.28	
			<i>For Gate With Double Barb Wire Arm, Add</i>	446.95	
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-523.77	
			<i>For Aluminized Steel Gate And Post, Add</i>	1,340.86	
			<i>For Powder Coated Gate And Post, Add</i>	726.30	
32 31 13 13-0404	EA		30' Wide x 12' High Double Gate Galvanized Steel Without Barbed Wire	3,867.46	290.67
			<i>For Gate With Single Barb Wire Arm, Add</i>	329.41	
			<i>For Gate With Double Barb Wire Arm, Add</i>	479.14	
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-561.49	
			<i>For Aluminized Steel Gate And Post, Add</i>	1,437.42	
			<i>For Powder Coated Gate And Post, Add</i>	778.60	
32 31 13 13-0405			Vinyl Coated Without Barb Wire Arm <small>(32 31 13 13-0263)</small>		
			Note: Industrial swing gate. Includes posts (3" diameter posts for up to 6' wide gate, 4" diameter to 13' wide, 6-5/8" diameter for 18' wide, 8-5/8" diameter for over 18' wide), 2" diameter schedule pipe frame, offset hinges, cap and hardware (drop rod, center locking device, gate keeper, catch bolt and tension bands). Fabric: galvanized chain link 2" mesh # 9 gauge, galvanized 1.2 ounce coating.		
32 31 13 13-0406			4' Fence Height <small>(32 31 13 13-0405)</small>		
32 31 13 13-0407	EA		3' Wide x 4' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	198.06	19.89
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-25.95	
			<i>For Gate With Single Barb Wire Arm, Add</i>	15.22	
			<i>For Gate With Double Barb Wire Arm, Add</i>	22.14	
32 31 13 13-0408	EA		4' Wide x 4' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	244.19	19.89
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-34.60	
			<i>For Gate With Single Barb Wire Arm, Add</i>	20.30	
			<i>For Gate With Double Barb Wire Arm, Add</i>	29.52	
32 31 13 13-0409	EA		5' Wide x 4' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	286.62	21.16
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-41.81	
			<i>For Gate With Single Barb Wire Arm, Add</i>	24.53	
			<i>For Gate With Double Barb Wire Arm, Add</i>	35.67	
32 31 13 13-0410	EA		6' Wide x 4' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	337.78	25.46
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-49.01	
			<i>For Gate With Single Barb Wire Arm, Add</i>	28.75	
			<i>For Gate With Double Barb Wire Arm, Add</i>	41.82	
32 31 13 13-0411	EA		7' Wide x 4' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	388.95	29.68
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-56.22	
			<i>For Gate With Single Barb Wire Arm, Add</i>	32.98	
			<i>For Gate With Double Barb Wire Arm, Add</i>	47.97	
32 31 13 13-0412	EA		8' Wide x 4' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	440.12	33.90
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-63.43	
			<i>For Gate With Single Barb Wire Arm, Add</i>	37.21	
			<i>For Gate With Double Barb Wire Arm, Add</i>	54.12	
32 31 13 13-0413	EA		9' Wide x 4' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	491.29	38.20
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-70.63	
			<i>For Gate With Single Barb Wire Arm, Add</i>	41.44	
			<i>For Gate With Double Barb Wire Arm, Add</i>	60.27	
32 31 13 13-0414	EA		10' Wide x 4' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	542.46	42.41
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-77.84	
			<i>For Gate With Single Barb Wire Arm, Add</i>	45.67	
			<i>For Gate With Double Barb Wire Arm, Add</i>	66.42	
32 31 13 13-0415	EA		10' Wide x 4' High Double Gate Vinyl Coated Without Barbed Wire Arm	680.84	42.41
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-103.79	
			<i>For Gate With Single Barb Wire Arm, Add</i>	60.89	
			<i>For Gate With Double Barb Wire Arm, Add</i>	88.56	
32 31 13 13-0416	EA		12' Wide x 4' High Double Gate Vinyl Coated Without Barbed Wire Arm	800.65	45.44
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-124.55	
			<i>For Gate With Single Barb Wire Arm, Add</i>	73.07	
			<i>For Gate With Double Barb Wire Arm, Add</i>	106.28	
32 31 13 13-0417	EA		14' Wide x 4' High Double Gate Vinyl Coated Without Barbed Wire Arm	921.84	48.94
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-145.30	
			<i>For Gate With Single Barb Wire Arm, Add</i>	85.24	
			<i>For Gate With Double Barb Wire Arm, Add</i>	123.99	
32 31 13 13-0418	EA		16' Wide x 4' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,044.80	52.99
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-166.06	
			<i>For Gate With Single Barb Wire Arm, Add</i>	97.42	
			<i>For Gate With Double Barb Wire Arm, Add</i>	141.71	
32 31 13 13-0419	EA		18' Wide x 4' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,184.89	62.75
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-186.82	
			<i>For Gate With Single Barb Wire Arm, Add</i>	109.60	
			<i>For Gate With Double Barb Wire Arm, Add</i>	159.42	
32 31 13 13-0420	EA		20' Wide x 4' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,309.07	67.25
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-207.58	
			<i>For Gate With Single Barb Wire Arm, Add</i>	121.78	
			<i>For Gate With Double Barb Wire Arm, Add</i>	177.13	



		Exterior Improvements	32
		Site Improvements	32 30
		Fences And Gates	32 31

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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0421 EA 22' Wide x 4' High Double Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	1,435.32 -228.33 133.96 194.84	72.47
32 31 13 13-0422 EA 24' Wide x 4' High Double Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	1,564.15 -249.09 146.13 212.56	78.48
32 31 13 13-0423 EA 26' Wide x 4' High Double Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	1,696.29 -269.85 158.31 230.27	85.63
32 31 13 13-0424 EA 28' Wide x 4' High Double Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	1,832.70 -290.61 170.49 247.98	94.21
32 31 13 13-0425 EA 30' Wide x 4' High Double Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	1,974.82 -311.36 182.67 265.70	104.64
32 31 13 13-0426 5' Fence Height <small>(32 31 13 13-0405)</small>		
32 31 13 13-0427 EA 3' Wide x 5' High Single Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	235.14 -32.15 18.86 27.44	21.16
32 31 13 13-0428 EA 4' Wide x 5' High Single Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	292.30 -42.87 25.15 36.58	21.16
32 31 13 13-0429 EA 5' Wide x 5' High Single Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	339.15 -50.91 29.87 43.44	22.52
32 31 13 13-0430 EA 6' Wide x 5' High Single Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	395.54 -58.95 34.58 50.30	27.05
32 31 13 13-0431 EA 7' Wide x 5' High Single Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	451.93 -66.98 39.30 57.16	31.51
32 31 13 13-0432 EA 8' Wide x 5' High Single Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	509.12 -75.02 44.01 64.02	36.29
32 31 13 13-0433 EA 9' Wide x 5' High Single Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	565.52 -83.06 48.73 70.88	40.82
32 31 13 13-0434 EA 10' Wide x 5' High Single Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	621.91 -91.10 53.44 77.74	45.27
32 31 13 13-0435 EA 10' Wide x 5' High Double Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	822.31 -128.61 75.45 109.74	45.44
32 31 13 13-0436 EA 12' Wide x 5' High Double Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	969.97 -154.33 90.54 131.69	48.94
32 31 13 13-0437 EA 14' Wide x 5' High Double Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	1,119.40 -180.05 105.63 153.64	52.99
32 31 13 13-0438 EA 16' Wide x 5' High Double Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	1,285.98 -205.77 120.72 175.59	62.75
32 31 13 13-0439 EA 18' Wide x 5' High Double Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	1,436.63 -231.49 135.81 197.54	67.25
32 31 13 13-0440 EA 20' Wide x 5' High Double Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	1,589.35 -257.21 150.90 219.49	72.47
32 31 13 13-0441 EA 22' Wide x 5' High Double Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	1,744.66 -282.94 165.99 241.44	78.48

32 Exterior Improvements**32 30 Site Improvements****32 31 Fences And Gates**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31	13 13-0442	EA	24' Wide x 5' High Double Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	1,903.27 -308.66 181.08 263.39	85.63
32 31	13 13-0443	EA	26' Wide x 5' High Double Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	2,066.15 -334.38 196.17 285.34	94.21
32 31	13 13-0444	EA	28' Wide x 5' High Double Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	2,234.75 -360.10 211.26 307.28	104.64
32 31	13 13-0445	EA	30' Wide x 5' High Double Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	2,411.21 -385.82 226.35 329.23	117.71
32 31	13 13-0446		6' Fence Height <small>(32 31 13 13-0405)</small>		
32 31	13 13-0447	EA	3' Wide x 6' High Single Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	251.46 -34.36 20.16 29.32	22.67
32 31	13 13-0448	EA	4' Wide x 6' High Single Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	312.54 -45.81 26.88 39.09	22.67
32 31	13 13-0449	EA	5' Wide x 6' High Single Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	362.57 -54.41 31.92 46.43	24.11
32 31	13 13-0450	EA	6' Wide x 6' High Single Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	423.50 -63.00 36.96 53.76	29.13
32 31	13 13-0451	EA	7' Wide x 6' High Single Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	484.43 -71.59 42.00 61.09	34.21
32 31	13 13-0452	EA	8' Wide x 6' High Single Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	544.57 -80.18 47.04 68.42	38.99
32 31	13 13-0453	EA	9' Wide x 6' High Single Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	605.51 -88.77 52.08 75.75	44.00
32 31	13 13-0454	EA	10' Wide x 6' High Single Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	666.44 -97.36 57.12 83.08	49.02
32 31	13 13-0455	EA	10' Wide x 6' High Double Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	879.93 -137.45 80.63 117.29	48.94
32 31	13 13-0456	EA	12' Wide x 6' High Double Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	1,038.78 -164.93 96.76 140.74	52.99
32 31	13 13-0457	EA	14' Wide x 6' High Double Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	1,228.25 -192.42 112.89 164.20	67.25
32 31	13 13-0458	EA	16' Wide x 6' High Double Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	1,390.40 -219.91 129.01 187.66	72.47
32 31	13 13-0459	EA	18' Wide x 6' High Double Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	1,555.13 -247.40 145.14 211.11	78.48
32 31	13 13-0460	EA	20' Wide x 6' High Double Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	1,750.26 -279.97 164.25 238.91	85.63
32 31	13 13-0461	EA	22' Wide x 6' High Double Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	1,900.40 -303.30 177.94 258.82	94.21
32 31	13 13-0462	EA	24' Wide x 6' High Double Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	2,073.51 -329.87 193.52 281.49	104.64



		Exterior Improvements	32
		Site Improvements	32 30
		Fences And Gates	32 31
			32

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31	13 13-0463	EA	26' Wide x 6' High Double Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	2,259.39 -357.35 209.65 304.94	117.71
32 31	13 13-0464	EA	28' Wide x 6' High Double Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	2,456.51 -384.84 225.78 328.40	134.50
32 31	13 13-0465	EA	30' Wide x 6' High Double Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	2,670.44 -412.33 241.90 351.86	156.95
32 31	13 13-0466		7' Fence Height <small>(32 31 13 13-0405)</small>		
32 31	13 13-0467	EA	3' Wide x 7' High Single Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	265.93 -36.09 21.17 30.80	24.43
32 31	13 13-0468	EA	4' Wide x 7' High Single Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	330.10 -48.12 28.23 41.06	24.43
32 31	13 13-0469	EA	5' Wide x 7' High Single Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	381.97 -57.15 33.53 48.77	25.70
32 31	13 13-0470	EA	6' Wide x 7' High Single Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	446.79 -66.17 38.82 56.46	31.27
32 31	13 13-0471	EA	7' Wide x 7' High Single Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	510.83 -75.19 44.11 64.16	36.60
32 31	13 13-0472	EA	8' Wide x 7' High Single Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	575.68 -84.22 49.41 71.87	42.09
32 31	13 13-0473	EA	9' Wide x 7' High Single Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	639.70 -93.24 54.70 79.56	47.42
32 31	13 13-0474	EA	10' Wide x 7' High Single Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	704.54 -102.26 59.99 87.26	52.99
32 31	13 13-0475	EA	10' Wide x 7' High Double Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	929.10 -144.37 84.70 123.19	52.99
32 31	13 13-0476	EA	12' Wide x 7' High Double Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	1,125.94 -173.24 101.63 147.83	67.25
32 31	13 13-0477	EA	14' Wide x 7' High Double Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	1,295.48 -202.11 118.57 172.47	72.47
32 31	13 13-0478	EA	16' Wide x 7' High Double Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	1,467.58 -230.98 135.51 197.11	78.48
32 31	13 13-0479	EA	18' Wide x 7' High Double Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	1,643.02 -259.86 152.45 221.75	85.63
32 31	13 13-0480	EA	20' Wide x 7' High Double Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	1,822.69 -288.73 169.39 246.38	94.21
32 31	13 13-0481	EA	22' Wide x 7' High Double Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	2,008.08 -317.60 186.32 271.02	104.64
32 31	13 13-0482	EA	24' Wide x 7' High Double Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	2,201.37 -346.48 203.27 295.66	117.71
32 31	13 13-0483	EA	26' Wide x 7' High Double Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	2,405.89 -375.35 220.21 320.30	134.50

32 Exterior Improvements**32 30 Site Improvements****32 31 Fences And Gates**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31	13 13-0484	EA	28' Wide x 7' High Double Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	2,627.18 -404.22 237.14 344.94	156.95
32 31	13 13-0485	EA	30' Wide x 7' High Double Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	2,875.46 -433.10 254.08 369.58	188.33
32 31 13 13-0486 8' Fence Height <small>(32 31 13 13-0405)</small>					
32 31	13 13-0487	EA	3' Wide x 8' High Single Gate Vinyl Coated Without Barbed Wire Arm..... <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	312.87 -43.74 25.66 37.33	26.50
32 31	13 13-0488	EA	4' Wide x 8' High Single Gate Vinyl Coated Without Barbed Wire Arm..... <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	390.64 -58.33 34.22 49.77	26.50
32 31	13 13-0489	EA	5' Wide x 8' High Single Gate Vinyl Coated Without Barbed Wire Arm..... <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	442.49 -68.05 39.92 58.07	26.50
32 31	13 13-0490	EA	6' Wide x 8' High Single Gate Vinyl Coated Without Barbed Wire Arm..... <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	515.02 -77.77 45.62 66.36	33.41
32 31	13 13-0491	EA	7' Wide x 8' High Single Gate Vinyl Coated Without Barbed Wire Arm..... <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	587.56 -87.49 51.33 74.66	40.26
32 31	13 13-0492	EA	8' Wide x 8' High Single Gate Vinyl Coated Without Barbed Wire Arm..... <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	659.30 -97.21 57.03 82.95	46.86
32 31	13 13-0493	EA	9' Wide x 8' High Single Gate Vinyl Coated Without Barbed Wire Arm..... <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	731.83 -106.93 62.73 91.25	53.79
32 31	13 13-0494	EA	10' Wide x 8' High Single Gate Vinyl Coated Without Barbed Wire Arm..... <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	804.36 -116.65 68.44 99.54	60.71
32 31	13 13-0495	EA	10' Wide x 8' High Double Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	1,135.22 -174.98 102.65 149.32	67.25
32 31	13 13-0496	EA	12' Wide x 8' High Double Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	1,337.40 -209.97 123.18 179.18	72.47
32 31	13 13-0497	EA	14' Wide x 8' High Double Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	1,542.17 -244.97 143.72 209.04	78.48
32 31	13 13-0498	EA	16' Wide x 8' High Double Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	1,750.25 -279.97 164.25 238.90	85.63
32 31	13 13-0499	EA	18' Wide x 8' High Double Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	1,962.59 -314.96 184.78 268.77	94.21
32 31	13 13-0500	EA	20' Wide x 8' High Double Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	2,180.65 -349.96 205.31 298.63	104.64
32 31	13 13-0501	EA	22' Wide x 8' High Double Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	2,406.58 -384.95 225.84 328.49	117.71
32 31	13 13-0502	EA	24' Wide x 8' High Double Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	2,643.73 -419.95 246.37 358.36	134.50
32 31	13 13-0503	EA	26' Wide x 8' High Double Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	2,897.69 -454.94 266.90 388.22	156.95
32 31	13 13-0504	EA	28' Wide x 8' High Double Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	3,178.61 -489.94 287.43 418.08	188.33



		Exterior Improvements	32
		Site Improvements	32 30
		Fences And Gates	32 31

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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0505 EA 30' Wide x 8' High Double Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	3,506.65 -524.93 307.96 447.94	235.44
32 31 13 13-0506 10' Fence Height (32 31 13 13-0405)		
32 31 13 13-0507 EA 3' Wide x 10' High Single Gate Vinyl Coated Without Barbed Wire Arm..... <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	359.05 -50.75 29.77 43.30	29.44
32 31 13 13-0508 EA 4' Wide x 10' High Single Gate Vinyl Coated Without Barbed Wire Arm..... <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	449.27 -67.66 39.69 57.74	29.44
32 31 13 13-0509 EA 5' Wide x 10' High Gate Single Vinyl Coated Without Barbed Wire Arm..... <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	513.31 -78.94 46.31 67.36	30.72
32 31 13 13-0510 EA 6' Wide x 10' High Single Gate Vinyl Coated Without Barbed Wire Arm..... <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	595.72 -90.22 52.93 76.98	38.20
32 31 13 13-0511 EA 7' Wide x 10' High Single Gate Vinyl Coated Without Barbed Wire Arm..... <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	677.35 -101.49 59.54 86.61	45.27
32 31 13 13-0512 EA 8' Wide x 10' High Single Gate Vinyl Coated Without Barbed Wire Arm..... <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	759.79 -112.77 66.16 96.23	52.75
32 31 13 13-0513 EA 9' Wide x 10' High Single Gate Vinyl Coated Without Barbed Wire Arm..... <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	841.41 -124.05 72.77 105.85	59.91
32 31 13 13-0514 EA 10' Wide x 10' High Single Gate Vinyl Coated Without Barbed Wire Arm..... <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	923.84 -135.32 79.39 115.48	67.31
32 31 13 13-0515 EA 10' Wide x 10' High Double Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	1,307.03 -202.98 119.08 173.21	74.77
32 31 13 13-0516 EA 12' Wide x 10' High Double Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	1,540.72 -243.58 142.90 207.85	80.42
32 31 13 13-0517 EA 14' Wide x 10' High Double Gate Vinyl Coated Without Barbed Wire Arm..... <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	1,777.47 -284.18 166.72 242.50	87.23
32 31 13 13-0518 EA 16' Wide x 10' High Double Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	2,017.66 -324.77 190.53 277.14	95.09
32 31 13 13-0519 EA 18' Wide x 10' High Double Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	2,262.86 -365.37 214.35 311.78	104.64
32 31 13 13-0520 EA 20' Wide x 10' High Double Gate Vinyl Coated Without Barbed Wire Arm..... <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	2,514.12 -405.97 238.17 346.42	116.22
32 31 13 13-0521 EA 22' Wide x 10' High Double Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	2,774.45 -446.56 261.98 381.07	130.80
32 31 13 13-0522 EA 24' Wide x 10' High Double Gate Vinyl Coated Without Barbed Wire Arm..... <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	3,046.79 -487.16 285.80 415.71	149.35
32 31 13 13-0523 EA 26' Wide x 10' High Double Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	3,338.41 -527.76 309.62 450.35	174.36
32 31 13 13-0524 EA 28' Wide x 10' High Double Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	3,659.10 -568.35 333.43 484.99	209.10
32 31 13 13-0525 EA 30' Wide x 10' High Double Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	4,033.29 -608.95 357.25 519.64	261.59

32 Exterior Improvements**32 30 Site Improvements****32 31 Fences And Gates**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13	13-0526		12' Fence Height <small>(32 31 13 13-0405)</small>		
32 31 13	13-0527	EA	3' Wide x 12' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	475.67	32.71
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-70.77	
			For Gate With Single Barb Wire Arm, Add	41.52	
			For Gate With Double Barb Wire Arm, Add	60.39	
32 31 13	13-0528	EA	4' Wide x 12' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	601.14	32.71
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-94.30	
			For Gate With Single Barb Wire Arm, Add	55.32	
			For Gate With Double Barb Wire Arm, Add	80.47	
32 31 13	13-0529	EA	5' Wide x 12' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	698.07	33.90
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-111.79	
			For Gate With Single Barb Wire Arm, Add	65.59	
			For Gate With Double Barb Wire Arm, Add	95.40	
32 31 13	13-0530	EA	6' Wide x 12' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	800.52	42.09
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-126.38	
			For Gate With Single Barb Wire Arm, Add	74.14	
			For Gate With Double Barb Wire Arm, Add	107.84	
32 31 13	13-0531	EA	7' Wide x 12' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	911.59	50.36
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-142.58	
			For Gate With Single Barb Wire Arm, Add	83.65	
			For Gate With Double Barb Wire Arm, Add	121.67	
32 31 13	13-0532	EA	8' Wide x 12' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	1,021.88	58.32
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-158.78	
			For Gate With Single Barb Wire Arm, Add	93.15	
			For Gate With Double Barb Wire Arm, Add	135.49	
32 31 13	13-0533	EA	9' Wide x 12' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	1,132.95	66.52
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-174.98	
			For Gate With Single Barb Wire Arm, Add	102.66	
			For Gate With Double Barb Wire Arm, Add	149.32	
32 31 13	13-0534	EA	10' Wide x 12' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	1,235.40	74.72
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-189.56	
			For Gate With Single Barb Wire Arm, Add	111.21	
			For Gate With Double Barb Wire Arm, Add	161.76	
32 31 13	13-0535	EA	10' Wide x 12' High Double Gate Vinyl Coated Without Barbed Wire Arm.....	1,765.28	83.07
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-284.25	
			For Gate With Single Barb Wire Arm, Add	166.76	
			For Gate With Double Barb Wire Arm, Add	242.56	
32 31 13	13-0536	EA	12' Wide x 12' High Double Gate Vinyl Coated Without Barbed Wire Arm.....	2,136.94	89.43
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-350.35	
			For Gate With Single Barb Wire Arm, Add	205.54	
			For Gate With Double Barb Wire Arm, Add	298.96	
32 31 13	13-0537	EA	14' Wide x 12' High Double Gate Vinyl Coated Without Barbed Wire Arm.....	2,472.63	96.86
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-409.07	
			For Gate With Single Barb Wire Arm, Add	239.98	
			For Gate With Double Barb Wire Arm, Add	349.07	
32 31 13	13-0538	EA	16' Wide x 12' High Double Gate Vinyl Coated Without Barbed Wire Arm.....	2,810.09	105.61
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-467.39	
			For Gate With Single Barb Wire Arm, Add	274.20	
			For Gate With Double Barb Wire Arm, Add	398.84	
32 31 13	13-0539	EA	18' Wide x 12' High Double Gate Vinyl Coated Without Barbed Wire Arm.....	3,148.82	116.30
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-524.94	
			For Gate With Single Barb Wire Arm, Add	307.96	
			For Gate With Double Barb Wire Arm, Add	447.95	
32 31 13	13-0540	EA	20' Wide x 12' High Double Gate Vinyl Coated Without Barbed Wire Arm.....	3,498.38	129.11
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-583.27	
			For Gate With Single Barb Wire Arm, Add	342.18	
			For Gate With Double Barb Wire Arm, Add	497.72	
32 31 13	13-0541	EA	22' Wide x 12' High Double Gate Vinyl Coated Without Barbed Wire Arm.....	3,858.27	145.29
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-641.60	
			For Gate With Single Barb Wire Arm, Add	376.40	
			For Gate With Double Barb Wire Arm, Add	547.49	
32 31 13	13-0542	EA	24' Wide x 12' High Double Gate Vinyl Coated Without Barbed Wire Arm.....	4,231.37	165.97
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-699.92	
			For Gate With Single Barb Wire Arm, Add	410.62	
			For Gate With Double Barb Wire Arm, Add	597.27	
32 31 13	13-0543	EA	26' Wide x 12' High Double Gate Vinyl Coated Without Barbed Wire Arm.....	4,636.26	193.80
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-760.19	
			For Gate With Single Barb Wire Arm, Add	445.98	
			For Gate With Double Barb Wire Arm, Add	648.70	
32 31 13	13-0544	EA	28' Wide x 12' High Double Gate Vinyl Coated Without Barbed Wire Arm.....	5,063.08	232.34
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-818.52	
			For Gate With Single Barb Wire Arm, Add	480.20	
			For Gate With Double Barb Wire Arm, Add	698.47	
32 31 13	13-0545	EA	30' Wide x 12' High Double Gate Vinyl Coated Without Barbed Wire Arm.....	5,549.35	290.67
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-876.85	
			For Gate With Single Barb Wire Arm, Add	514.42	
			For Gate With Double Barb Wire Arm, Add	748.24	

32 31 13 13-0546 Sliding Gate (32 31 13 13-0263)

Note: Includes posts (3" diameter posts for up to 15' wide gate and 4" diameter over 15' wide), caps, rails, wheel, rollers, 2" diameter Schedule 40 pipe frame top and bottom bar, and 1-1/2" bracing. Includes truss rod, latches, track rollers with brackets, pipe track clamps and two wheel carriers. Fabric: galvanized chain link 2" mesh # 9 gauge, galvanized 1.2 ounce coating.

32 31 13 13-0547 4' High Sliding Gate (32 31 13 13-0546)



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0548 EA 10' Long x 4' High Sliding Gate.....	1,578.51	286.87
For Gate With Barb Wire Arm, Add	110.52	
For Vinyl Coated, Add	301.42	
32 31 13 13-0549 EA 12' Long x 4' High Sliding Gate.....	1,898.29	346.35
For Gate With Barb Wire Arm, Add	132.63	
For Vinyl Coated, Add	361.71	
32 31 13 13-0550 EA 14' Long x 4' High Sliding Gate.....	2,214.83	404.06
For Gate With Barb Wire Arm, Add	154.73	
For Vinyl Coated, Add	421.99	
32 31 13 13-0551 EA 16' Long x 4' High Sliding Gate.....	2,536.40	464.41
For Gate With Barb Wire Arm, Add	176.84	
For Vinyl Coated, Add	482.28	
32 31 13 13-0552 EA 18' Long x 4' High Sliding Gate.....	2,853.49	522.47
For Gate With Barb Wire Arm, Add	198.94	
For Vinyl Coated, Add	542.57	
32 31 13 13-0553 EA 20' Long x 4' High Sliding Gate.....	3,159.85	575.15
For Gate With Barb Wire Arm, Add	221.05	
For Vinyl Coated, Add	602.85	
32 31 13 13-0554 EA 24' Long x 4' High Sliding Gate.....	3,778.90	692.60
For Gate With Barb Wire Arm, Add	263.31	
For Vinyl Coated, Add	718.11	
32 31 13 13-0555 EA 30' Long x 4' High Sliding Gate.....	5,628.91	1,307.34
For Gate With Barb Wire Arm, Add	331.57	
For Vinyl Coated, Add	904.27	
32 31 13 13-0556 EA 40' Long x 4' High Sliding Gate.....	7,505.20	1,743.12
For Gate With Barb Wire Arm, Add	442.09	
For Vinyl Coated, Add	1,205.69	
32 31 13 13-0557 5' High Sliding Gate (32 31 13 13-0546)		
32 31 13 13-0558 EA 10' Long x 5' High Sliding Gate.....	1,658.72	312.23
For Gate With Barb Wire Arm, Add	113.77	
For Vinyl Coated, Add	310.28	
32 31 13 13-0559 EA 12' Long x 5' High Sliding Gate.....	1,989.61	374.27
For Gate With Barb Wire Arm, Add	136.52	
For Vinyl Coated, Add	372.34	
32 31 13 13-0560 EA 14' Long x 5' High Sliding Gate.....	2,321.05	436.57
For Gate With Barb Wire Arm, Add	159.28	
For Vinyl Coated, Add	434.40	
32 31 13 13-0561 EA 16' Long x 5' High Sliding Gate.....	2,652.87	499.05
For Gate With Barb Wire Arm, Add	182.03	
For Vinyl Coated, Add	496.45	
32 31 13 13-0562 EA 18' Long x 5' High Sliding Gate.....	2,984.28	561.28
For Gate With Barb Wire Arm, Add	204.79	
For Vinyl Coated, Add	558.51	
32 31 13 13-0563 EA 20' Long x 5' High Sliding Gate.....	3,315.91	623.66
For Gate With Barb Wire Arm, Add	227.54	
For Vinyl Coated, Add	620.57	
32 31 13 13-0564 EA 24' Long x 5' High Sliding Gate.....	3,962.58	749.25
For Gate With Barb Wire Arm, Add	271.05	
For Vinyl Coated, Add	739.22	
32 31 13 13-0565 EA 30' Long x 5' High Sliding Gate.....	4,974.19	935.72
For Gate With Barb Wire Arm, Add	341.31	
For Vinyl Coated, Add	930.85	
32 31 13 13-0566 EA 40' Long x 5' High Sliding Gate.....	6,631.83	1,247.34
For Gate With Barb Wire Arm, Add	455.08	
For Vinyl Coated, Add	1,241.13	
32 31 13 13-0567 6' High Sliding Gate (32 31 13 13-0546)		
32 31 13 13-0568 EA 10' Long x 6' High Sliding Gate.....	1,786.99	366.05
For Gate With Barb Wire Arm, Add	116.04	
For Vinyl Coated, Add	316.49	
32 31 13 13-0569 EA 12' Long x 6' High Sliding Gate.....	2,141.82	437.90
For Gate With Barb Wire Arm, Add	139.25	
For Vinyl Coated, Add	379.78	
32 31 13 13-0570 EA 14' Long x 6' High Sliding Gate.....	2,498.61	510.81
For Gate With Barb Wire Arm, Add	162.46	
For Vinyl Coated, Add	443.08	
32 31 13 13-0571 EA 16' Long x 6' High Sliding Gate.....	2,855.74	583.90
For Gate With Barb Wire Arm, Add	185.67	
For Vinyl Coated, Add	506.37	
32 31 13 13-0572 EA 18' Long x 6' High Sliding Gate.....	3,212.55	656.81
For Gate With Barb Wire Arm, Add	208.88	
For Vinyl Coated, Add	569.67	
32 31 13 13-0573 EA 20' Long x 6' High Sliding Gate.....	3,574.28	732.19
For Gate With Barb Wire Arm, Add	232.09	
For Vinyl Coated, Add	632.97	
32 31 13 13-0574 EA 24' Long x 6' High Sliding Gate.....	4,265.05	875.89
For Gate With Barb Wire Arm, Add	276.46	
For Vinyl Coated, Add	753.99	
32 31 13 13-0575 EA 30' Long x 6' High Sliding Gate.....	5,355.07	1,095.15
For Gate With Barb Wire Arm, Add	348.13	
For Vinyl Coated, Add	949.45	

32 Exterior Improvements**32 30 Site Improvements****32 31 Fences And Gates**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0576 EA 40' Long x 6' High Sliding Gate..... For Gate With Barb Wire Arm, Add For Vinyl Coated, Add	7,138.89 464.18 1,265.94	1,459.52
32 31 13 13-0577 7' High Sliding Gate (32 31 13 13-0546)		
32 31 13 13-0578 EA 10' Long x 7' High Sliding Gate..... For Gate With Barb Wire Arm, Add For Vinyl Coated, Add	1,912.88 120.59 328.89	408.30
32 31 13 13-0579 EA 12' Long x 7' High Sliding Gate..... For Gate With Barb Wire Arm, Add For Vinyl Coated, Add	2,294.82 144.71 394.67	489.61
32 31 13 13-0580 EA 14' Long x 7' High Sliding Gate..... For Gate With Barb Wire Arm, Add For Vinyl Coated, Add	2,678.08 168.83 460.44	571.61
32 31 13 13-0581 EA 16' Long x 7' High Sliding Gate..... For Gate With Barb Wire Arm, Add For Vinyl Coated, Add	3,059.94 192.95 526.22	652.92
32 31 13 13-0582 EA 18' Long x 7' High Sliding Gate..... For Gate With Barb Wire Arm, Add For Vinyl Coated, Add	3,442.58 217.07 592.00	734.67
32 31 13 13-0583 EA 20' Long x 7' High Sliding Gate..... For Gate With Barb Wire Arm, Add For Vinyl Coated, Add	3,824.63 241.18 657.77	816.06
32 31 13 13-0584 EA 24' Long x 7' High Sliding Gate..... For Gate With Barb Wire Arm, Add For Vinyl Coated, Add	4,570.26 287.30 783.54	979.20
32 31 13 13-0585 EA 30' Long x 7' High Sliding Gate..... For Gate With Barb Wire Arm, Add For Vinyl Coated, Add	5,736.94 361.77 986.66	1,224.00
32 31 13 13-0586 EA 40' Long x 7' High Sliding Gate..... For Gate With Barb Wire Arm, Add For Vinyl Coated, Add	7,649.26 482.37 1,315.55	1,632.04
32 31 13 13-0587 8' High Sliding Gate (32 31 13 13-0546)		
32 31 13 13-0588 EA 10' Long x 8' High Sliding Gate..... For Gate With Barb Wire Arm, Add For Vinyl Coated, Add	2,013.41 124.16 338.63	442.32
32 31 13 13-0589 EA 12' Long x 8' High Sliding Gate..... For Gate With Barb Wire Arm, Add For Vinyl Coated, Add	2,413.55 149.00 406.36	529.55
32 31 13 13-0590 EA 14' Long x 8' High Sliding Gate..... For Gate With Barb Wire Arm, Add For Vinyl Coated, Add	2,815.86 173.83 474.08	617.83
32 31 13 13-0591 EA 16' Long x 8' High Sliding Gate..... For Gate With Barb Wire Arm, Add For Vinyl Coated, Add	3,218.35 198.66 541.81	706.13
32 31 13 13-0592 EA 18' Long x 8' High Sliding Gate..... For Gate With Barb Wire Arm, Add For Vinyl Coated, Add	3,619.84 223.50 609.53	794.06
32 31 13 13-0593 EA 20' Long x 8' High Sliding Gate..... For Gate With Barb Wire Arm, Add For Vinyl Coated, Add	4,022.41 248.33 677.26	882.43
32 31 13 13-0594 EA 24' Long x 8' High Sliding Gate..... For Gate With Barb Wire Arm, Add For Vinyl Coated, Add	4,807.23 295.81 806.75	1,059.01
32 31 13 13-0595 EA 30' Long x 8' High Sliding Gate..... For Gate With Barb Wire Arm, Add For Vinyl Coated, Add	6,034.27 372.49 1,015.89	1,323.96
32 31 13 13-0596 EA 40' Long x 8' High Sliding Gate..... For Gate With Barb Wire Arm, Add For Vinyl Coated, Add	8,043.06 496.66 1,354.52	1,763.98
32 31 13 13-0597 9' High Sliding Gate (32 31 13 13-0546)		
32 31 13 13-0598 EA 10' Long x 9' High Sliding Gate..... For Gate With Barb Wire Arm, Add For Vinyl Coated, Add	2,132.23 128.39 350.15	482.53
32 31 13 13-0599 EA 12' Long x 9' High Sliding Gate..... For Gate With Barb Wire Arm, Add For Vinyl Coated, Add	2,555.08 154.06 420.18	577.27
32 31 13 13-0600 EA 14' Long x 9' High Sliding Gate..... For Gate With Barb Wire Arm, Add For Vinyl Coated, Add	2,980.70 179.74 490.21	673.33
32 31 13 13-0601 EA 16' Long x 9' High Sliding Gate..... For Gate With Barb Wire Arm, Add For Vinyl Coated, Add	3,407.09 205.42 560.24	769.85
32 31 13 13-0602 EA 18' Long x 9' High Sliding Gate..... For Gate With Barb Wire Arm, Add For Vinyl Coated, Add	3,832.89 231.10 630.26	865.99
32 31 13 13-0603 EA 20' Long x 9' High Sliding Gate..... For Gate With Barb Wire Arm, Add For Vinyl Coated, Add	4,258.67 256.78 700.30	962.14



		Exterior Improvements	32
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MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13	13-0604	EA	24' Long x 9' High Sliding Gate <i>For Gate With Barb Wire Arm, Add</i> <i>For Vinyl Coated, Add</i>	5,089.60 305.87 834.19	1,154.45
32 31 13	13-0605	EA	30' Long x 9' High Sliding Gate <i>For Gate With Barb Wire Arm, Add</i> <i>For Vinyl Coated, Add</i>	6,387.21 385.16 1,050.44	1,442.91
32 31 13	13-0606	EA	40' Long x 9' High Sliding Gate <i>For Gate With Barb Wire Arm, Add</i> <i>For Vinyl Coated, Add</i>	8,519.44 513.55 1,400.59	1,925.44
32 31 13	13-0607		10' High Sliding Gate <small>(32 31 13 13-0546)</small>		
32 31 13	13-0608	EA	10' Long x 10' High Sliding Gate <i>For Gate With Barb Wire Arm, Add</i> <i>For Vinyl Coated, Add</i>	2,278.93 133.91 365.21	530.78
32 31 13	13-0609	EA	12' Long x 10' High Sliding Gate <i>For Gate With Barb Wire Arm, Add</i> <i>For Vinyl Coated, Add</i>	2,734.72 160.69 438.25	636.92
32 31 13	13-0610	EA	14' Long x 10' High Sliding Gate <i>For Gate With Barb Wire Arm, Add</i> <i>For Vinyl Coated, Add</i>	3,190.86 187.47 511.29	743.24
32 31 13	13-0611	EA	16' Long x 10' High Sliding Gate <i>For Gate With Barb Wire Arm, Add</i> <i>For Vinyl Coated, Add</i>	3,646.50 214.26 584.33	849.38
32 31 13	13-0612	EA	18' Long x 10' High Sliding Gate <i>For Gate With Barb Wire Arm, Add</i> <i>For Vinyl Coated, Add</i>	4,102.06 241.04 657.37	955.43
32 31 13	13-0613	EA	20' Long x 10' High Sliding Gate <i>For Gate With Barb Wire Arm, Add</i> <i>For Vinyl Coated, Add</i>	4,557.86 267.82 730.42	1,061.57
32 31 13	13-0614	EA	24' Long x 10' High Sliding Gate <i>For Gate With Barb Wire Arm, Add</i> <i>For Vinyl Coated, Add</i>	5,448.92 319.03 870.07	1,274.38
32 31 13	13-0615	EA	30' Long x 10' High Sliding Gate <i>For Gate With Barb Wire Arm, Add</i> <i>For Vinyl Coated, Add</i>	6,836.78 401.73 1,095.62	1,592.35
32 31 13	13-0616	EA	40' Long x 10' High Sliding Gate <i>For Gate With Barb Wire Arm, Add</i> <i>For Vinyl Coated, Add</i>	9,113.17 535.64 1,460.83	2,121.90
32 31 13	13-0617		Sliding Cantilever Gate, Single Track, Manually Operated Exposed Roller <small>(32 31 13 13-0263)</small>		
<p>Note: Includes posts (3" diameter posts for up to 15' wide gate and 4" diameter over 15' wide), caps, rails, wheel rollers, 2" diameter Schedule 40 pipe frame top and bottom bar, and 1-1/2" bracing. Includes truss rod, latches, single track, track rollers with brackets, pipe track clamps and two wheel carriers. Fabric: galvanized chain link 2" mesh # 9 gauge, galvanized 1.2 ounce coating. Width listed on tasks is opening width of gate. See CSI section 32 31 11 00-0020 for gate operators.</p>					
32 31 13	13-0618	EA	5' High x 10' Wide Galvanized Cantilever Sliding Gate <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i> <i>For Aluminized Steel Gate And Post, Add</i> <i>For Powder Coated Gate And Post, Add</i> <i>For Vinyl Coated, Add</i>	2,860.23 236.86 344.52 1,033.55 452.18 645.97	353.50
32 31 13	13-0619	EA	5' High x 12' Wide Galvanized Cantilever Sliding Gate <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i> <i>For Aluminized Steel Gate And Post, Add</i> <i>For Powder Coated Gate And Post, Add</i> <i>For Vinyl Coated, Add</i>	3,183.57 252.98 367.97 1,103.91 482.96 689.94	441.88
32 31 13	13-0620	EA	5' High x 15' Wide Galvanized Cantilever Sliding Gate <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i> <i>For Aluminized Steel Gate And Post, Add</i> <i>For Powder Coated Gate And Post, Add</i> <i>For Vinyl Coated, Add</i>	3,508.91 269.32 391.74 1,175.23 514.16 734.52	530.26
32 31 13	13-0621	EA	5' High x 20' Wide Galvanized Cantilever Sliding Gate <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i> <i>For Aluminized Steel Gate And Post, Add</i> <i>For Powder Coated Gate And Post, Add</i> <i>For Vinyl Coated, Add</i>	4,188.86 305.23 443.98 1,331.93 582.72 832.46	707.00
32 31 13	13-0622	EA	6' High x 15' Wide Galvanized Cantilever Sliding Gate <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i> <i>For Aluminized Steel Gate And Post, Add</i> <i>For Powder Coated Gate And Post, Add</i> <i>For Vinyl Coated, Add</i>	3,935.58 277.37 403.45 1,210.35 529.53 756.47	707.00
32 31 13	13-0623	EA	6' High x 20' Wide Galvanized Cantilever Sliding Gate <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i> <i>For Aluminized Steel Gate And Post, Add</i> <i>For Powder Coated Gate And Post, Add</i> <i>For Vinyl Coated, Add</i>	4,695.68 312.38 454.37 1,363.10 596.36 851.94	927.94

32 Exterior Improvements**32 30 Site Improvements****32 31 Fences And Gates**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0624	EA		6' High x 25' Wide Galvanized Cantilever Sliding Gate.....	6,157.44	1,148.88
			<i>For Gate With Single Barb Wire Arm, Add</i>	424.56	
			<i>For Gate With Double Barb Wire Arm, Add</i>	617.55	
			<i>For Aluminized Steel Gate And Post, Add</i>	1,852.64	
			<i>For Powder Coated Gate And Post, Add</i>	810.53	
			<i>For Vinyl Coated, Add</i>	1,157.90	
32 31 13 13-0625	EA		6' High x 30' Wide Galvanized Cantilever Sliding Gate.....	6,999.28	1,369.82
			<i>For Gate With Single Barb Wire Arm, Add</i>	468.56	
			<i>For Gate With Double Barb Wire Arm, Add</i>	681.54	
			<i>For Aluminized Steel Gate And Post, Add</i>	2,044.62	
			<i>For Powder Coated Gate And Post, Add</i>	894.52	
			<i>For Vinyl Coated, Add</i>	1,277.89	
32 31 13 13-0626	EA		8' High x 15' Wide Galvanized Cantilever Sliding Gate.....	4,652.46	883.76
			<i>For Gate With Single Barb Wire Arm, Add</i>	317.34	
			<i>For Gate With Double Barb Wire Arm, Add</i>	461.59	
			<i>For Aluminized Steel Gate And Post, Add</i>	1,384.77	
			<i>For Powder Coated Gate And Post, Add</i>	605.84	
			<i>For Vinyl Coated, Add</i>	865.48	
32 31 13 13-0627	EA		8' High x 20' Wide Galvanized Cantilever Sliding Gate.....	5,634.63	1,193.08
			<i>For Gate With Single Barb Wire Arm, Add</i>	357.33	
			<i>For Gate With Double Barb Wire Arm, Add</i>	519.76	
			<i>For Aluminized Steel Gate And Post, Add</i>	1,559.27	
			<i>For Powder Coated Gate And Post, Add</i>	682.18	
			<i>For Vinyl Coated, Add</i>	974.54	
32 31 13 13-0628	EA		8' High x 25' Wide Galvanized Cantilever Sliding Gate.....	7,419.89	1,502.39
			<i>For Gate With Single Barb Wire Arm, Add</i>	485.66	
			<i>For Gate With Double Barb Wire Arm, Add</i>	706.42	
			<i>For Aluminized Steel Gate And Post, Add</i>	2,119.26	
			<i>For Powder Coated Gate And Post, Add</i>	927.18	
			<i>For Vinyl Coated, Add</i>	1,324.54	
32 31 13 13-0629	EA		8' High x 30' Wide Galvanized Cantilever Sliding Gate.....	8,407.11	1,767.52
			<i>For Gate With Single Barb Wire Arm, Add</i>	535.93	
			<i>For Gate With Double Barb Wire Arm, Add</i>	779.53	
			<i>For Aluminized Steel Gate And Post, Add</i>	2,338.60	
			<i>For Powder Coated Gate And Post, Add</i>	1,023.14	
			<i>For Vinyl Coated, Add</i>	1,461.62	
32 31 13 13-0630			Gate Accessories <small>(32 31 13 13-0630)</small>		
32 31 13 13-0631	EA		Gate Center Stop, Cast Steel.....	18.87	
32 31 13 13-0632	EA		Gate Latch, Malleable Galvanized Steel.....	31.34	
32 31 13 13-0633	EA		Gate Keeper, Full Length, Galvanized Steel.....	135.67	
32 31 13 13-0634	EA		Gate Keeper Hold-Open For Cantilever Gate.....	68.99	15.12
32 31 13 13-0635	EA		Heavy Duty Gate Latch, Malleable Galvanized Steel.....	39.53	
32 31 13 13-0636	EA		Gate Keeper, Full Length, Stainless Steel, Internal Locking Device With 3/4" Stainless Steel Rod For 3' To 5' High Gate.....	767.54	
32 31 13 13-0637	EA		Gate Keeper, Full Length, Stainless Steel, Internal Locking Device With 3/4" Stainless Steel Rod For >5' To 8' High Gate.....	823.12	
32 31 13 13-0638	EA		Gate Keeper, Full Length, Stainless Steel, Internal Locking Device With 3/4" Stainless Steel Rod For >8' To 12' High Gate.....	878.71	
32 31 13 13-0639			Accessories <small>(32 31 13 13)</small>		
32 31 13 13-0640			Barbed And Concertina Wire <small>(32 31 13 13-0639)</small>		
32 31 13 13-0641			Single Strand Barbed Wire <small>(32 31 13 13-0640)</small>		
32 31 13 13-0642	LF		Galvanized Barbed Wire, Per Strand.....	0.85	0.40
			Note: Includes clips. 4 points 12-1/2 Gauge, Class I.		
			<i>For >500 To 2,000, Deduct</i>	-0.08	
			<i>For >2,000, Deduct</i>	-0.12	
32 31 13 13-0643	LF		Vinyl Coated Barbed Wire (Fused), Per Strand.....	0.93	0.40
			Note: Includes clips.		
			<i>For >500 To 2,000, Deduct</i>	-0.09	
			<i>For >2,000, Deduct</i>	-0.13	
32 31 13 13-0644	EA		Barbed Wire Extension Arms 3 Strands (Single Arm).....	8.58	6.36
32 31 13 13-0645	EA		Barbed Wire Extension Arms 6 Strands (Double Arm).....	13.07	7.64
32 31 13 13-0646	EA		Barbed Wire Eye Tops (For Single Strand).....	9.24	6.36
32 31 13 13-0647			Galvanized Steel Concertina (Razor) Wire, Single Coil <small>(32 31 13 13-0640)</small>		
32 31 13 13-0648	LF		18" Diameter, 18" On Center Galvanized Concertina (Razor) Wire, Attach To Every 6th Barb On Top Of Chain Link Fence, Per LF Of Fence.....	2.59	0.55
			<i>For >500 To 1,500, Deduct</i>	-0.23	
			<i>For >1,500 To 5,000, Deduct</i>	-0.47	
			<i>For >5,000, Deduct</i>	-0.68	
			<i>For Ground Installation, Deduct</i>	-0.40	
			<i>For Double Coil (Helix), Add</i>	1.80	
32 31 13 13-0649	LF		18" Diameter, 12" On Center Galvanized Concertina (Razor) Wire, Attach To Every 4th Barb On Top Of Chain Link Fence, Per LF Of Fence.....	3.90	0.55
			<i>For >500 To 1,500, Deduct</i>	-0.35	
			<i>For >1,500 To 5,000, Deduct</i>	-0.70	
			<i>For >5,000, Deduct</i>	-1.02	
			<i>For Ground Installation, Deduct</i>	-0.60	
			<i>For Double Coil (Helix), Add</i>	2.71	



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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0650 LF 18" Diameter, 9" On Center Galvanized Concertina (Razor) Wire, Attach To Every 3rd Barb On Top Of Chain Link Fence, Per LF Of Fence.....	5.18	0.55
For >500 To 1,500, Deduct	-0.47	
For >1,500 To 5,000, Deduct	-0.94	
For >5,000, Deduct	-1.35	
For Ground Installation, Deduct	-0.80	
For Double Coil (Helix), Add	3.59	
32 31 13 13-0651 LF 24" Diameter, 18" On Center Galvanized Concertina (Razor) Wire, Attach To Every 6th Barb On Top Of Chain Link Fence, Per LF Of Fence.....	3.17	0.55
For >500 To 1,500, Deduct	-0.28	
For >1,500 To 5,000, Deduct	-0.56	
For >5,000, Deduct	-0.81	
For Ground Installation, Deduct	-0.44	
For Double Coil (Helix), Add	2.29	
32 31 13 13-0652 LF 24" Diameter, 12" On Center Galvanized Concertina (Razor) Wire, Attach To Every 4th Barb On Top Of Chain Link Fence, Per LF Of Fence.....	4.77	0.55
For >500 To 1,500, Deduct	-0.42	
For >1,500 To 5,000, Deduct	-0.85	
For >5,000, Deduct	-1.22	
For Ground Installation, Deduct	-0.66	
For Double Coil (Helix), Add	3.45	
32 31 13 13-0653 LF 24" Diameter, 9" On Center Galvanized Concertina (Razor) Wire, Attach To Every 3rd Barb On Top Of Chain Link Fence, Per LF Of Fence.....	6.31	0.55
For >500 To 1,500, Deduct	-0.56	
For >1,500 To 5,000, Deduct	-1.12	
For >5,000, Deduct	-1.61	
For Ground Installation, Deduct	-0.88	
For Double Coil (Helix), Add	4.56	
32 31 13 13-0654 LF 30" Diameter, 18" On Center Galvanized Concertina (Razor) Wire, Attach To Every 6th Barb On Top Of Chain Link Fence, Per LF Of Fence.....	7.48	0.55
For >500 To 1,500, Deduct	-0.61	
For >1,500 To 5,000, Deduct	-1.22	
For >5,000, Deduct	-1.70	
For Ground Installation, Deduct	-0.50	
For Double Coil (Helix), Add	6.49	
32 31 13 13-0655 LF 30" Diameter, 12" On Center Galvanized Concertina (Razor) Wire, Attach To Every 4th Barb On Top Of Chain Link Fence, Per LF Of Fence.....	11.30	0.55
For >500 To 1,500, Deduct	-0.92	
For >1,500 To 5,000, Deduct	-1.84	
For >5,000, Deduct	-2.56	
For Ground Installation, Deduct	-0.75	
For Double Coil (Helix), Add	9.81	
32 31 13 13-0656 LF 30" Diameter, 9" On Center Galvanized Concertina (Razor) Wire, Attach To Every 3rd Barb On Top Of Chain Link Fence, Per LF Of Fence.....	14.96	0.55
For >500 To 1,500, Deduct	-1.22	
For >1,500 To 5,000, Deduct	-2.44	
For >5,000, Deduct	-3.39	
For Ground Installation, Deduct	-1.00	
For Double Coil (Helix), Add	12.97	
32 31 13 13-0657 Stainless Steel Concertina (Razor) Wire, Single Coil <small>(22 31 13 13-0640)</small>		
32 31 13 13-0658 LF 18" Diameter, 18" On Center, Stainless Steel Concertina (Razor) Wire, Attach To Every 6th Barb On Top Of Chain Link Fence, Per LF Of Fence.....	3.19	0.55
For >500 To 1,500, Deduct	-0.28	
For >1,500 To 5,000, Deduct	-0.56	
For >5,000, Deduct	-0.80	
For Ground Installation, Deduct	-0.40	
For Double Coil (Helix), Add	2.40	
32 31 13 13-0659 LF 18" Diameter, 12" On Center, Stainless Steel Concertina (Razor) Wire, Attach To Every 4th Barb On Top Of Chain Link Fence, Per LF Of Fence.....	4.81	0.55
For >500 To 1,500, Deduct	-0.42	
For >1,500 To 5,000, Deduct	-0.84	
For >5,000, Deduct	-1.20	
For Ground Installation, Deduct	-0.60	
For Double Coil (Helix), Add	3.62	
32 31 13 13-0660 LF 18" Diameter, 9" On Center, Stainless Steel Concertina (Razor) Wire, Attach To Every 3rd Barb On Top Of Chain Link Fence, Per LF Of Fence.....	6.38	0.55
For >500 To 1,500, Deduct	-0.56	
For >1,500 To 5,000, Deduct	-1.12	
For >5,000, Deduct	-1.59	
For Ground Installation, Deduct	-0.80	
For Double Coil (Helix), Add	4.79	
32 31 13 13-0661 LF 24" Diameter, 18" On Center, Stainless Steel Concertina (Razor) Wire, Attach To Every 6th Barb On Top Of Chain Link Fence, Per LF Of Fence.....	3.97	0.55
For >500 To 1,500, Deduct	-0.34	
For >1,500 To 5,000, Deduct	-0.68	
For >5,000, Deduct	-0.97	
For Ground Installation, Deduct	-0.44	
For Double Coil (Helix), Add	3.09	
32 31 13 13-0662 LF 24" Diameter, 12" On Center, Stainless Steel Concertina (Razor) Wire, Attach To Every 4th Barb On Top Of Chain Link Fence, Per LF Of Fence.....	5.98	0.55
For >500 To 1,500, Deduct	-0.51	
For >1,500 To 5,000, Deduct	-1.03	
For >5,000, Deduct	-1.46	
For Ground Installation, Deduct	-0.66	
For Double Coil (Helix), Add	4.66	

32 Exterior Improvements**32 30 Site Improvements****32 31 Fences And Gates**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0663 LF 24" Diameter, 9" On Center, Stainless Steel Concertina (Razor) Wire, Attach To Every 3rd Barb On Top Of Chain Link Fence, Per LF Of Fence.....	7.91	0.55
For >500 To 1,500, Deduct	-0.68	
For >1,500 To 5,000, Deduct	-1.36	
For >5,000, Deduct	-1.93	
For Ground Installation, Deduct	-0.88	
For Double Coil (Helix), Add	6.16	
32 31 13 13-0664 LF 30" Diameter, 18" On Center, Stainless Steel Concertina (Razor) Wire, Attach To Every 6th Barb On Top Of Chain Link Fence, Per LF Of Fence	10.51	0.55
For >500 To 1,500, Deduct	-0.84	
For >1,500 To 5,000, Deduct	-1.68	
For >5,000, Deduct	-2.30	
For Ground Installation, Deduct	-0.50	
For Double Coil (Helix), Add	9.52	
32 31 13 13-0665 LF 30" Diameter, 12" On Center, Stainless Steel Concertina (Razor) Wire, Attach To Every 4th Barb On Top Of Chain Link Fence, Per LF Of Fence	15.89	0.55
For >500 To 1,500, Deduct	-1.27	
For >1,500 To 5,000, Deduct	-2.53	
For >5,000, Deduct	-3.48	
For Ground Installation, Deduct	-0.75	
For Double Coil (Helix), Add	14.40	
32 31 13 13-0666 LF 30" Diameter, 9" On Center, Stainless Steel Concertina (Razor) Wire, Attach To Every 3rd Barb On Top Of Chain Link Fence, Per LF Of Fence.....	21.02	0.55
For >500 To 1,500, Deduct	-1.68	
For >1,500 To 5,000, Deduct	-3.35	
For >5,000, Deduct	-4.60	
For Ground Installation, Deduct	-1.00	
For Double Coil (Helix), Add	19.03	
32 31 13 13-0667 Grounding For Gates (32 31 13 13-0639) Note: Includes two of each of the following per opening: 5/8 ground rods, clamps, braided straps and #6 bare copper wire.		
32 31 13 13-0668 OPN Grounding For Gates (Per Opening).....	384.09	
32 31 13 13-0669 Coiled Spring Reinforcing Wire (32 31 13 13-0639)		
32 31 13 13-0670 Galvanized Steel (32 31 13 13-0669)		
32 31 13 13-0671 LF 7 Gauge, Galvanized Steel, Reinforcing Wire Coiled Spring	0.91	0.40
32 31 13 13-0672 Vinyl Coated Steel (32 31 13 13-0669)		
32 31 13 13-0673 LF 9 Gauge, Vinyl Coated Steel, Reinforcing Wire Coiled Spring.....	0.91	0.40
32 31 13 13-0674 Bending Of Fabric Around Pipe Railings (32 31 13 13-0639) Note: Only where specified.		
32 31 13 13-0675 LF Bend Chain Link Fence Fabric Around Pipe Railing, Top.....	1.28	
32 31 13 13-0676 LF Bend Chain Link Fence Fabric Around Pipe Railing, Bottom.....	1.12	
32 31 13 13-0677 Mounting Plate With Anchors Or Bolts (32 31 13 13-0639) Note: For drilling for anchor or bolts, installing post on or against flat surface.		
32 31 13 13-0678 EA Mounting Plate For 1-5/8" Diameter Post.....	28.72	
32 31 13 13-0679 EA Mounting Plate For 2" Diameter Post.....	29.12	
32 31 13 13-0680 EA Mounting Plate For 2-1/2" Diameter Post.....	30.05	
32 31 13 13-0681 EA Mounting Plate For 3" Diameter Post.....	35.63	
32 31 13 13-0682 EA Mounting Plate For 4" Diameter Post.....	40.61	
32 31 13 13-0683 EA Mounting Plate For 6-5/8" Diameter Post.....	46.56	
32 31 13 13-0684 EA Mounting Plate For 8-5/8" Diameter Post.....	54.44	
32 31 13 13-0685 Tension Bar (32 31 13 13-0639)		
32 31 13 13-0686 EA 3' Long x 5/8" Wide x 3/16" Thick Galvanized Steel Tension Bar	9.66	
32 31 13 13-0687 EA 3-1/2' Long x 5/8" Wide x 3/16" Thick Galvanized Steel Tension Bar	10.22	
32 31 13 13-0688 EA 4' Long x 3/4" Wide x 3/16" Thick Galvanized Steel Tension Bar	11.74	
32 31 13 13-0689 EA 5' Long x 3/4" Wide x 3/16" Thick Galvanized Steel Tension Bar	13.27	
32 31 13 13-0690 EA 6' Long x 3/4" Wide x 3/16" Thick Galvanized Steel Tension Bar	15.17	
32 31 13 13-0691 EA 7' Long x 3/4" Wide x 3/16" Thick Galvanized Steel Tension Bar	17.11	
32 31 13 13-0692 EA 8' Long x 3/4" Wide x 3/16" Thick Galvanized Steel Tension Bar	19.21	
32 31 13 13-0693 EA 9' Long x 3/4" Wide x 3/16" Thick Galvanized Steel Tension Bar	22.35	
32 31 13 13-0694 EA 10' Long x 3/4" Wide x 3/16" Thick Galvanized Steel Tension Bar	26.60	
32 31 13 13-0695 Fence And Gate Repair And Replacement (32 31 13 13)		
32 31 13 13-0696 Fence And Gate Parts Replacement (32 31 13 13-0695)		
32 31 13 13-0697 EA Cantilever Roller Assembly, Ball Bearing With Fittings, Replacement.....	85.08	
32 31 13 13-0698 EA Sliding Gate Roller Assembly Replacement	86.09	
32 31 13 13-0699 EA Rod And Lock Gate Keeper Replacement	83.07	
32 31 13 13-0700 EA Galvanized Gate Holdback Replacement	20.55	
32 31 13 13-0701 LF 3/8" Cross Bracing Rod Replacement.....	1.11	



Exterior Improvements	32	32
Site Improvements	32 30	
Fences And Gates	32 31	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0702 LF 1-5/8" Diagonal Pipe Bracing Replacement.....	1.69	
32 31 13 13-0703 EA 2-3/8" Diameter Cast Steel Gate Hinge With Bolts, Replacement.....	11.62	
32 31 13 13-0704 EA 3" Diameter Cast Steel Gate Hinge With Bolts, Replacement.....	13.53	
32 31 13 13-0705 EA 4" Diameter Cast Steel Gate Hinge With Bolts, Replacement.....	15.38	
32 31 13 13-0706 EA 6-5/8" Diameter Cast Steel Gate Hinge With Bolts, Replacement.....	26.94	
32 31 13 13-0707 EA 8-5/8" Diameter Cast Steel Gate Hinge With Bolts, Replacement.....	32.12	
32 31 13 13-0708 EA 2-1/2" x 2" Off Set Gate Hinge Replacement.....	18.26	
32 31 13 13-0709 EA 3" x 2" Off Set Gate Hinge Replacement.....	19.11	
32 31 13 13-0710 EA 4" x 2" Off Set Gate Hinge Replacement.....	20.43	
32 31 13 13-0711 EA 6-5/8" x 2" Off Set Gate Hinge Replacement.....	31.40	
32 31 13 13-0712 EA 8-5/8" x 2" Off Set Gate Hinge Replacement.....	47.48	
32 31 13 13-0713 EA 1-5/8" Aluminum Die-Cast Post Cap Replacement.....	4.12	
32 31 13 13-0714 EA 2" Aluminum Die-Cast Post Cap Replacement.....	4.51	
32 31 13 13-0715 EA 2-1/2" Aluminum Die-Cast Post Cap Replacement.....	5.09	
32 31 13 13-0716 EA 3" Aluminum Die-Cast Post Cap Replacement.....	5.76	
32 31 13 13-0717 EA 2" Galvanized Post Cap Replacement.....	4.95	
32 31 13 13-0718 EA 2-1/2" Galvanized Post Cap Replacement.....	5.38	
32 31 13 13-0719 EA 3" Galvanized Post Cap Replacement.....	6.12	
32 31 13 13-0720 EA 4" Galvanized Post Cap Replacement.....	8.57	
32 31 13 13-0721 EA 6-5/8" Galvanized Post Cap Replacement.....	14.72	
32 31 13 13-0722 EA 8-5/8" Galvanized Post Cap Replacement.....	23.50	
32 31 13 13-0723 EA 1-5/8" Boulevard Clamp Replacement.....	8.44	
32 31 13 13-0724 EA 2" Boulevard Clamp Replacement.....	10.24	
32 31 13 13-0725 EA 2-1/2" Boulevard Clamp Replacement.....	12.03	
32 31 13 13-0726 EA 3" Boulevard Clamp Replacement.....	14.60	
32 31 13 13-0727 EA 1-5/8" Gate Brace Or End Rail Clamp Replacement.....	8.31	
32 31 13 13-0728 EA 2" Gate Brace Or End Rail Clamp Replacement.....	10.07	
32 31 13 13-0729 EA 2-1/2" Gate Brace Or End Rail Clamp Replacement.....	11.86	
32 31 13 13-0730 EA 3" Gate Brace Or End Rail Clamp Replacement.....	14.42	
32 31 13 13-0731 EA 1-3/8" Heavy Duty Galvanized Tension Band With Bolt, Replacement.....	8.50	
32 31 13 13-0732 EA 1-5/8" Heavy Duty Galvanized Tension Band With Bolt, Replacement.....	8.55	
32 31 13 13-0733 EA 2" Heavy Duty Galvanized Tension Band With Bolt, Replacement.....	8.70	
32 31 13 13-0734 EA 2-1/2" Heavy Duty Galvanized Tension Band With Bolt, Replacement.....	8.64	
32 31 13 13-0735 EA 3" Heavy Duty Galvanized Tension Band With Bolt, Replacement.....	8.75	
32 31 13 13-0736 EA 3-1/2" Heavy Duty Galvanized Tension Band With Bolt, Replacement.....	8.84	
32 31 13 13-0737 EA 4" Heavy Duty Galvanized Tension Band With Bolt, Replacement.....	9.10	
32 31 13 13-0738 EA 6-5/8" Heavy Duty Galvanized Tension Band With Bolt, Replacement.....	11.03	
32 31 13 13-0739 Remove And Reinstall Chain Link Fences <small>(32 31 13 13)</small>		
Note: Includes removal, storage, cleaning and reinstallation of fence fabric, rails and other components. Excludes post work.		
32 31 13 13-0740 LF Removal And Reinstallation Of Chain Link Fence Up To 5' Height.....	15.91	
32 31 13 13-0741 LF Removal And Reinstallation Of Chain Link Fence 6' To 12' Height.....	23.87	
32 31 13 33 Chain Link Backstops <small>(32 31 13)</small>		
32 31 13 33-0001 Regulation Baseball Backstop <small>(32 31 13 33)</small>		
See CSI section 32 31 13 13-0001 for auguring holes and concrete.		
32 31 13 33-0002 EA 20'-6" Wide x 13' High Baseball Backstop Prefabricated With Hood, Galvanized.....	8,312.79	1,631.21
32 31 13 33-0003 EA 34' Wide x 17'-6" High Baseball Backstop Prefabricated With Hood, Galvanized.....	11,903.51	2,174.95
32 31 13 33-0004 EA 48'-3-1/2" Wide x 24' High Baseball Backstop Prefabricated With Hood, Galvanized.....	15,055.01	2,537.45
32 31 13 33-0005 EA 20'-6" Wide x 13' High Baseball Backstop Prefabricated With Hood, Vinyl Coated.....	11,344.19	1,631.21
32 31 13 33-0006 EA 34' Wide x 17'-6" High Baseball Backstop Prefabricated With Hood, Vinyl Coated.....	16,439.44	2,174.95
32 31 13 33-0007 EA 48'-3-1/2" Wide x 24' High Baseball Backstop Prefabricated With Hood, Vinyl Coated.....	21,040.87	2,537.45
32 31 13 33-0008 Regulation Softball Backstop <small>(32 31 13 33)</small>		
See CSI section 32 31 13 13-0001 for auguring holes and concrete.		
32 31 13 33-0009 14' High Softball Backstop <small>(32 31 13 33-0008)</small>		
Note: Includes 3" outside diameter posts every 8', top, middle, and bottom brace rails, overhang panel with 9 gauge mesh and 1-1/8" outside diameter frame, 16' of 6 gauge mesh and 32' of 9 gauge mesh.		
32 31 13 33-0010 EA 14' Softball Backstop, Galvanized Regulation.....	7,039.10	1,536.95
32 31 13 33-0011 EA 14' Softball Backstop, Vinyl Coated Regulation.....	9,213.27	1,536.95
32 31 13 33-0012 18' High Softball Backstop <small>(32 31 13 33-0008)</small>		
Note: Includes 3" outside diameter posts every 8', top, middle, and bottom brace rails, overhang panel with 9 gauge mesh and 1-1/8" outside diameter frame, 16' of 6 gauge mesh and 32' of 9 gauge mesh.		
32 31 13 33-0013 EA 18' Softball Backstop, Galvanized Regulation.....	8,180.42	1,708.65
32 31 13 33-0014 EA 18' Softball Backstop Vinyl Coated Regulation.....	10,810.46	1,708.65
32 31 13 33-0015 20' High Softball Backstop <small>(32 31 13 33-0008)</small>		
Note: Includes 3" outside diameter posts every 8', top, middle, and bottom brace rails, overhang panel with 9 gauge mesh and 1-1/8" outside diameter frame, 16' of 6 gauge mesh and 32' of 9 gauge mesh.		
32 31 13 33-0016 EA 20' Softball Backstop, Galvanized Regulation.....	9,205.06	1,801.54
32 31 13 33-0017 EA 20' Softball Backstop, Vinyl Coated Regulation.....	12,326.08	1,801.54

32 Exterior Improvements**32 30 Site Improvements****32 31 Fences And Gates**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
32 31 13 33-0018		22' High Softball Backstop (32 31 13 33-0008) Note: Includes 3" outside diameter posts every 8', top, middle, and bottom brace rails, overhang panel with 9 gauge mesh and 1-1/8" outside diameter frame, 16' of 6 gauge mesh and 32' of 9 gauge mesh.			
32 31 13 33-0019	EA	22' Softball Backstop, Galvanized Regulation.....	10,538.54		1,855.89
32 31 13 33-0020	EA	22' Softball Backstop, Vinyl Coated Regulation	14,290.73		1,855.89
32 31 13 33-0021		24' High Softball Backstop (32 31 13 33-0008) Note: Includes 3" outside diameter posts every 8', top, middle, and bottom brace rails, overhang panel with 9 gauge mesh and 1-1/8" outside diameter frame, 16' of 6 gauge mesh and 32' of 9 gauge mesh.			
32 31 13 33-0022	EA	24' Softball Backstop, Galvanized Regulation.....	12,461.60		2,121.02
32 31 13 33-0023	EA	24' Softball Backstop, Vinyl Coated Regulation	17,125.53		2,121.02
32 31 16		Welded Wire Fences And Gates (32 31)			
32 31 16 00-0001		Welded Wire Fence (32 31 16)			
32 31 16 00-0002		12 Gauge Galvanized Steel Welded Wire Fence, 2" x 4" Mesh (32 31 16 00-0001) Note: Posts 5' on center.			
32 31 16 00-0003	LF	3' High, 12 Gauge Galvanized Steel Welded Wire Fence, 2" x 4" Mesh, Posts At 5'.....	7.66		1.45
32 31 16 00-0004	LF	5' High, 12 Gauge Galvanized Steel Welded Wire Fence, 2" x 4" Mesh, Posts At 5'.....	8.11		1.45
32 31 16 00-0005		14 Gauge Galvanized Steel Welded Wire Fence, 1" x 2" Mesh (32 31 16 00-0001) Note: Posts 5' on center.			
32 31 16 00-0006	LF	3' High, 14 Gauge Galvanized Steel Welded Wire Fence, 1" x 2" Mesh, Posts At 5'.....	7.57		1.45
32 31 16 00-0007	LF	5' High, 14 Gauge Galvanized Steel Welded Wire Fence, 1" x 2" Mesh, Posts At 5'.....	7.97		1.45
32 31 19		Decorative Metal Fences And Gates (32 31) See CSI section 32 31 13 13-0001 for drilling and grouting.			
32 31 19 00-0001		Wrought Iron Fence (32 31 19) Note: Factory primed.			
32 31 19 00-0002		Wrought Iron Fence, Verticals At >2-1/2" To 3" On Center (32 31 19 00-0001) Note: Factory primed.			
32 31 19 00-0003	LF	3' Wrought Iron Fence, Verticals At >2-1/2" To 3" On Center	58.61		8.75
		For Verticals Up To 2" On Center, Add	8.22		
		For Verticals >2" To 2-1/2" On Center, Add	4.11		
		For Verticals >3" To 4" On Center, Deduct	-4.11		
		For Verticals >4" To 6" On Center, Deduct	-8.22		
32 31 19 00-0004	LF	4' Wrought Iron Fence, Verticals At >2-1/2" To 3" On Center	75.99		11.14
		For Verticals Up To 2" On Center, Add	10.90		
		For Verticals >2" To 2-1/2" On Center, Add	5.45		
		For Verticals >3" To 4" On Center, Deduct	-5.45		
		For Verticals >4" To 6" On Center, Deduct	-10.90		
32 31 19 00-0005	LF	5' Wrought Iron Fence, Verticals At >2-1/2" To 3" On Center	92.11		11.61
		For Verticals Up To 2" On Center, Add	13.74		
		For Verticals >2" To 2-1/2" On Center, Add	6.87		
		For Verticals >3" To 4" On Center, Deduct	-6.87		
		For Verticals >4" To 6" On Center, Deduct	-13.74		
32 31 19 00-0006	LF	6' Wrought Iron Fence, Verticals At >2-1/2" To 3" On Center	111.73		14.00
		For Verticals Up To 2" On Center, Add	16.73		
		For Verticals >2" To 2-1/2" On Center, Add	8.37		
		For Verticals >3" To 4" On Center, Deduct	-8.37		
		For Verticals >4" To 6" On Center, Deduct	-16.73		
32 31 19 00-0007	LF	7' Wrought Iron Fence, Verticals At >2-1/2" To 3" On Center	133.62		14.82
		For Verticals Up To 2" On Center, Add	20.80		
		For Verticals >2" To 2-1/2" On Center, Add	10.40		
		For Verticals >3" To 4" On Center, Deduct	-10.40		
		For Verticals >4" To 6" On Center, Deduct	-20.80		
32 31 19 00-0008	LF	8' Wrought Iron Fence, Verticals At >2-1/2" To 3" On Center	155.49		15.59
		For Verticals Up To 2" On Center, Add	24.86		
		For Verticals >2" To 2-1/2" On Center, Add	12.43		
		For Verticals >3" To 4" On Center, Deduct	-12.43		
		For Verticals >4" To 6" On Center, Deduct	-24.86		
32 31 19 00-0009	LF	10' Wrought Iron Fence, Verticals At >2-1/2" To 3" On Center	191.58		17.50
		For Verticals Up To 2" On Center, Add	31.31		
		For Verticals >2" To 2-1/2" On Center, Add	15.66		
		For Verticals >3" To 4" On Center, Deduct	-15.66		
		For Verticals >4" To 6" On Center, Deduct	-31.31		
32 31 19 00-0010	LF	12' Wrought Iron Fence, Verticals At >2-1/2" To 3" On Center	227.79		19.89
		For Verticals Up To 2" On Center, Add	37.60		
		For Verticals >2" To 2-1/2" On Center, Add	18.80		
		For Verticals >3" To 4" On Center, Deduct	-18.80		
		For Verticals >4" To 6" On Center, Deduct	-37.60		
32 31 19 00-0011		Wrought Iron Gates (32 31 19 00-0001) Note: Factory primed.			
32 31 19 00-0012		Single Wrought Iron Gates (32 31 19 00-0011) Note: Factory primed.			
32 31 19 00-0013	LF	3' Single Wrought Iron Gate, Hardware And Associated Trim	72.92		10.66



Exterior Improvements	32	32
Site Improvements	32 30	
Fences And Gates	32 31	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 19 00-0014 LF 4' Single Wrought Iron Gate, Hardware And Associated Trim	95.77	13.20
32 31 19 00-0015 LF 5' Single Wrought Iron Gate, Hardware And Associated Trim	118.01	15.91
32 31 19 00-0016 LF 6' Single Wrought Iron Gate, Hardware And Associated Trim	143.84	19.09
32 31 19 00-0017 LF 8' Single Wrought Iron Gate, Hardware And Associated Trim	199.73	21.16
32 31 19 00-0018 LF 10' Single Wrought Iron Gate, Hardware And Associated Trim	245.28	23.39
32 31 19 00-0019 LF 12' Single Wrought Iron Gate, Hardware And Associated Trim	289.90	26.57
32 31 19 00-0020 Double Wrought Iron Gates (32 31 19 00-0011)		
Note: Factory primed.		
32 31 19 00-0021 LF 3' Double Wrought Iron Gate, Hardware And Associated Trim	89.79	9.55
32 31 19 00-0022 LF 4' Double Wrought Iron Gate, Hardware And Associated Trim	118.42	11.93
32 31 19 00-0023 LF 5' Double Wrought Iron Gate, Hardware And Associated Trim	145.41	14.32
32 31 19 00-0024 LF 6' Double Wrought Iron Gate, Hardware And Associated Trim	176.89	17.18
32 31 19 00-0025 LF 8' Double Wrought Iron Gate, Hardware And Associated Trim	246.54	19.09
32 31 19 00-0026 LF 10' Double Wrought Iron Gate, Hardware And Associated Trim	303.18	21.01
32 31 19 00-0027 LF 12' Double Wrought Iron Gate, Hardware And Associated Trim	358.79	23.87
32 31 19 00-0028 Repair Or Replace Wrought Iron Fence (32 31 19 00-0001)		
32 31 19 00-0029 LF Replace Wrought Iron Picket	18.11	
32 31 19 00-0030 LF Replace Wrought Iron Post.....	28.26	
32 31 19 00-0031 EA Straighten Wrought Iron Post.....	63.66	
32 31 19 00-0032 Steel Tube Fence, Powder Coated (32 31 19)		
Note: Pickets are 3/4" square x 16 gauge.		
32 31 19 00-0033 Steel Tube Fence, 2 Rail (32 31 19 00-0032)		
32 31 19 00-0034 LF 3' Steel Tube Fence, Verticals At >2-1/2" To 3" On Center With 2-1/2" Square Posts	42.53	8.75
<i>For Verticals Up To 2" On Center, Add</i>		
<i>For Verticals >2" To 2-1/2" On Center, Add</i>		
<i>For Verticals >3" To 4" On Center, Deduct</i>		
<i>For Verticals >4" To 6" On Center, Deduct</i>		
<i>For Solid Pickets, Add</i>		
<i>For Aluminum With Satin Finish, Add</i>		
<i>For Third Rail, Add</i>		
<i>For 1" Square x 14 Gauge Pickets, Add</i>		
<i>For 3" Square Posts, Add</i>		
32 31 19 00-0035 LF 3'-6" Steel Tube Fence, Verticals At >2-1/2" To 3" On Center With 2-1/2" Square Posts	45.64	9.36
<i>For Verticals Up To 2" On Center, Add</i>		
<i>For Verticals >2" To 2-1/2" On Center, Add</i>		
<i>For Verticals >3" To 4" On Center, Deduct</i>		
<i>For Verticals >4" To 6" On Center, Deduct</i>		
<i>For Solid Pickets, Add</i>		
<i>For Aluminum With Satin Finish, Add</i>		
<i>For Third Rail, Add</i>		
<i>For 1" Square x 14 Gauge Pickets, Add</i>		
<i>For 3" Square Posts, Add</i>		
32 31 19 00-0036 LF 4' Steel Tube Fence, Verticals At >2-1/2" To 3" On Center With 2-1/2" Square Posts	48.46	10.34
<i>For Verticals Up To 2" On Center, Add</i>		
<i>For Verticals >2" To 2-1/2" On Center, Add</i>		
<i>For Verticals >3" To 4" On Center, Deduct</i>		
<i>For Verticals >4" To 6" On Center, Deduct</i>		
<i>For Solid Pickets, Add</i>		
<i>For Aluminum With Satin Finish, Add</i>		
<i>For Third Rail, Add</i>		
<i>For 1" Square x 14 Gauge Pickets, Add</i>		
<i>For 3" Square Posts, Add</i>		
32 31 19 00-0037 LF 5' Steel Tube Fence, Verticals At >2-1/2" To 3" On Center With 2-1/2" Square Posts	52.28	11.61
<i>For Verticals Up To 2" On Center, Add</i>		
<i>For Verticals >2" To 2-1/2" On Center, Add</i>		
<i>For Verticals >3" To 4" On Center, Deduct</i>		
<i>For Verticals >4" To 6" On Center, Deduct</i>		
<i>For Solid Pickets, Add</i>		
<i>For Aluminum With Satin Finish, Add</i>		
<i>For Third Rail, Add</i>		
<i>For 1" Square x 14 Gauge Pickets, Add</i>		
<i>For 3" Square Posts, Add</i>		
32 31 19 00-0038 LF 6' Steel Tube Fence, Verticals At >2-1/2" To 3" On Center With 2-1/2" Square Posts	60.30	13.13
<i>For Verticals Up To 2" On Center, Add</i>		
<i>For Verticals >2" To 2-1/2" On Center, Add</i>		
<i>For Verticals >3" To 4" On Center, Deduct</i>		
<i>For Verticals >4" To 6" On Center, Deduct</i>		
<i>For Solid Pickets, Add</i>		
<i>For Aluminum With Satin Finish, Add</i>		
<i>For Third Rail, Add</i>		
<i>For 1" Square x 14 Gauge Pickets, Add</i>		
<i>For 3" Square Posts, Add</i>		

32 Exterior Improvements**32 30 Site Improvements****32 31 Fences And Gates**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31	19 00-0039	LF	7' Steel Tube Fence, Verticals At >2-1/2" To 3" On Center With 3" Square Posts.....	68.53	14.32
			<i>For Verticals Up To 2" On Center, Add</i>	7.98	
			<i>For Verticals >2" To 2-1/2" On Center, Add</i>	3.99	
			<i>For Verticals >3" To 4" On Center, Deduct</i>	-3.99	
			<i>For Verticals >4" To 6" On Center, Deduct</i>	-7.98	
			<i>For Solid Pickets, Add</i>	13.27	
			<i>For Aluminum With Satin Finish, Add</i>	7.67	
			<i>For Third Rail, Add</i>	2.99	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	9.97	
			<i>For 4" Square Posts, Add</i>	13.96	
32 31	19 00-0040	LF	8' Steel Tube Fence, Verticals At >2-1/2" To 3" On Center With 3" Square Posts.....	76.92	15.59
			<i>For Verticals Up To 2" On Center, Add</i>	9.15	
			<i>For Verticals >2" To 2-1/2" On Center, Add</i>	4.57	
			<i>For Verticals >3" To 4" On Center, Deduct</i>	-4.57	
			<i>For Verticals >4" To 6" On Center, Deduct</i>	-9.15	
			<i>For Solid Pickets, Add</i>	14.97	
			<i>For Aluminum With Satin Finish, Add</i>	9.04	
			<i>For Third Rail, Add</i>	3.43	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	11.43	
			<i>For 4" Square Posts, Add</i>	16.01	
32 31	19 00-0041	LF	9' Steel Tube Fence, Verticals At >2-1/2" To 3" On Center With 3" Square Posts.....	88.40	16.71
			<i>For Verticals Up To 2" On Center, Add</i>	11.00	
			<i>For Verticals >2" To 2-1/2" On Center, Add</i>	5.50	
			<i>For Verticals >3" To 4" On Center, Deduct</i>	-5.50	
			<i>For Verticals >4" To 6" On Center, Deduct</i>	-11.00	
			<i>For Solid Pickets, Add</i>	17.38	
			<i>For Aluminum With Satin Finish, Add</i>	11.49	
			<i>For Third Rail, Add</i>	4.12	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	13.75	
			<i>For 4" Square Posts, Add</i>	19.25	
32 31	19 00-0042	LF	10' Steel Tube Fence, Verticals At >2-1/2" To 3" On Center With 4" Square Posts.....	100.05	17.90
			<i>For Verticals Up To 2" On Center, Add</i>	12.85	
			<i>For Verticals >2" To 2-1/2" On Center, Add</i>	6.43	
			<i>For Verticals >3" To 4" On Center, Deduct</i>	-6.43	
			<i>For Verticals >4" To 6" On Center, Deduct</i>	-12.85	
			<i>For Solid Pickets, Add</i>	19.83	
			<i>For Aluminum With Satin Finish, Add</i>	13.91	
			<i>For Third Rail, Add</i>	4.82	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	16.06	
			<i>For 6" Square Posts, Add</i>	22.49	
32 31	19 00-0043	LF	12' Steel Tube Fence, Verticals At >2-1/2" To 3" On Center With 4" Square Posts.....	117.00	19.89
			<i>For Verticals Up To 2" On Center, Add</i>	15.44	
			<i>For Verticals >2" To 2-1/2" On Center, Add</i>	7.72	
			<i>For Verticals >3" To 4" On Center, Deduct</i>	-7.72	
			<i>For Verticals >4" To 6" On Center, Deduct</i>	-15.44	
			<i>For Solid Pickets, Add</i>	23.34	
			<i>For Aluminum With Satin Finish, Add</i>	17.19	
			<i>For Third Rail, Add</i>	5.79	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	19.30	
			<i>For 6" Square Posts, Add</i>	27.02	
32 31	19 00-0044	LF	14' Steel Tube Fence, Verticals At >2-1/2" To 3" On Center With 4" Square Posts.....	125.45	21.48
			<i>For Verticals Up To 2" On Center, Add</i>	16.50	
			<i>For Verticals >2" To 2-1/2" On Center, Add</i>	8.25	
			<i>For Verticals >3" To 4" On Center, Deduct</i>	-8.25	
			<i>For Verticals >4" To 6" On Center, Deduct</i>	-16.50	
			<i>For Solid Pickets, Add</i>	25.00	
			<i>For Aluminum With Satin Finish, Add</i>	18.30	
			<i>For Third Rail, Add</i>	6.19	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	20.62	
			<i>For 6" Square Posts, Add</i>	28.87	
32 31	19 00-0045		Steel Tube Swing Gates (32 31 19 00-0032)		
32 31	19 00-0046		3' Fence Height Steel Tube Swing Gates, 2 Rail (32 31 19 00-0045)		
32 31	19 00-0047	EA	3' Wide x 3' High Steel Tube Single Swing Gate.....	507.64	16.95
			Note: Includes mounting hardware and associated trim.		
			<i>For Solid Pickets, Add</i>	110.40	
			<i>For Aluminum With Satin Finish, Add</i>	129.37	
			<i>For Third Rail, Add</i>	34.25	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	45.67	
32 31	19 00-0048	EA	3'-6" Wide x 3' High Steel Tube Single Swing Gate.....	564.48	17.75
			Note: Includes mounting hardware and associated trim.		
			<i>For Solid Pickets, Add</i>	123.01	
			<i>For Aluminum With Satin Finish, Add</i>	145.35	
			<i>For Third Rail, Add</i>	38.34	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	51.12	
32 31	19 00-0049	EA	4' Wide x 3' High Steel Tube Single Swing Gate.....	624.60	18.77
			Note: Includes mounting hardware and associated trim.		
			<i>For Solid Pickets, Add</i>	136.30	
			<i>For Aluminum With Satin Finish, Add</i>	161.96	
			<i>For Third Rail, Add</i>	42.61	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	56.81	



Exterior Improvements	32
Site Improvements	32 30
Fences And Gates	32 31

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 19 00-0050 EA 5' Wide x 3' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim.	657.04	20.13
For Solid Pickets, Add	143.30	
For Aluminum With Satin Finish, Add	169.90	
For Third Rail, Add	44.74	
For 1" Square x 14 Gauge Pickets, Add	59.66	
32 31 19 00-0051 EA 6' Wide x 3' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim.	734.58	24.11
For Solid Pickets, Add	159.85	
For Aluminum With Satin Finish, Add	187.79	
For Third Rail, Add	49.66	
For 1" Square x 14 Gauge Pickets, Add	66.22	
32 31 19 00-0052 EA 7' Wide x 3' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim.	782.40	28.09
For Solid Pickets, Add	169.71	
For Aluminum With Satin Finish, Add	196.77	
For Third Rail, Add	52.35	
For 1" Square x 14 Gauge Pickets, Add	69.81	
32 31 19 00-0053 EA 8' Wide x 3' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim.	854.54	32.31
For Solid Pickets, Add	184.99	
For Aluminum With Satin Finish, Add	212.68	
For Third Rail, Add	56.81	
For 1" Square x 14 Gauge Pickets, Add	75.75	
32 31 19 00-0054 EA 9' Wide x 3' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim.	917.23	36.29
For Solid Pickets, Add	198.20	
For Aluminum With Satin Finish, Add	226.11	
For Third Rail, Add	60.62	
For 1" Square x 14 Gauge Pickets, Add	80.82	
32 31 19 00-0055 EA 10' Wide x 3' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim.	972.49	40.26
For Solid Pickets, Add	209.74	
For Aluminum With Satin Finish, Add	237.32	
For Third Rail, Add	63.87	
For 1" Square x 14 Gauge Pickets, Add	85.15	
32 31 19 00-0056 EA 6' Wide x 3' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim.	1,060.93	33.90
For Solid Pickets, Add	231.07	
For Aluminum With Satin Finish, Add	272.45	
For Third Rail, Add	71.93	
For 1" Square x 14 Gauge Pickets, Add	95.91	
32 31 19 00-0057 EA 7' Wide x 3' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim.	1,130.20	35.49
For Solid Pickets, Add	246.30	
For Aluminum With Satin Finish, Add	291.08	
For Third Rail, Add	76.77	
For 1" Square x 14 Gauge Pickets, Add	102.36	
32 31 19 00-0058 EA 8' Wide x 3' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim.	1,249.20	37.64
For Solid Pickets, Add	272.60	
For Aluminum With Satin Finish, Add	323.91	
For Third Rail, Add	85.22	
For 1" Square x 14 Gauge Pickets, Add	113.62	
32 31 19 00-0059 EA 9' Wide x 3' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim.	1,308.88	38.99
For Solid Pickets, Add	285.73	
For Aluminum With Satin Finish, Add	340.03	
For Third Rail, Add	89.39	
For 1" Square x 14 Gauge Pickets, Add	119.19	
32 31 19 00-0060 EA 10' Wide x 3' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim.	1,357.41	40.26
For Solid Pickets, Add	296.35	
For Aluminum With Satin Finish, Add	352.80	
For Third Rail, Add	92.73	
For 1" Square x 14 Gauge Pickets, Add	123.65	
32 31 19 00-0061 EA 12' Wide x 3' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim.	1,528.57	48.22
For Solid Pickets, Add	333.07	
For Aluminum With Satin Finish, Add	393.40	
For Third Rail, Add	103.78	
For 1" Square x 14 Gauge Pickets, Add	138.38	
32 31 19 00-0062 EA 14' Wide x 3' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim.	1,676.20	56.18
For Solid Pickets, Add	364.49	
For Aluminum With Satin Finish, Add	426.95	
For Third Rail, Add	113.06	
For 1" Square x 14 Gauge Pickets, Add	150.75	
32 31 19 00-0063 EA 16' Wide x 3' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim.	1,800.68	64.69
For Solid Pickets, Add	390.59	
For Aluminum With Satin Finish, Add	452.84	
For Third Rail, Add	120.49	
For 1" Square x 14 Gauge Pickets, Add	160.65	

32 Exterior Improvements**32 30 Site Improvements****32 31 Fences And Gates**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31	19 00-0064	EA	18' Wide x 3' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim.	1,905.01	72.56
			<i>For Solid Pickets, Add</i>	412.28	
			<i>For Aluminum With Satin Finish, Add</i>	473.39	
			<i>For Third Rail, Add</i>	126.52	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	168.70	
32 31	19 00-0065	EA	20' Wide x 3' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim.	1,990.76	80.52
			<i>For Solid Pickets, Add</i>	429.78	
			<i>For Aluminum With Satin Finish, Add</i>	488.38	
			<i>For Third Rail, Add</i>	131.17	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	174.89	
32 31	19 00-0066		4' Fence Height Steel Tube Swing Gates, 2 Rail <small>(32 31 19 00-0045)</small>		
32 31	19 00-0067	EA	3' Wide x 4' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim.	585.92	15.91
			<i>For Solid Pickets, Add</i>	127.80	
			<i>For Aluminum With Satin Finish, Add</i>	151.61	
			<i>For Third Rail, Add</i>	39.92	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	53.22	
32 31	19 00-0068	EA	3'-6" Wide x 4' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim.	633.71	18.54
			<i>For Solid Pickets, Add</i>	138.41	
			<i>For Aluminum With Satin Finish, Add</i>	165.05	
			<i>For Third Rail, Add</i>	43.35	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	57.80	
32 31	19 00-0069	EA	4' Wide x 4' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim.	683.48	19.89
			<i>For Solid Pickets, Add</i>	149.31	
			<i>For Aluminum With Satin Finish, Add</i>	178.19	
			<i>For Third Rail, Add</i>	46.79	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	62.38	
32 31	19 00-0070	EA	5' Wide x 4' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim.	724.59	21.16
			<i>For Solid Pickets, Add</i>	158.26	
			<i>For Aluminum With Satin Finish, Add</i>	188.73	
			<i>For Third Rail, Add</i>	49.57	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	66.09	
32 31	19 00-0071	EA	6' Wide x 4' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim.	781.88	25.46
			<i>For Solid Pickets, Add</i>	170.19	
			<i>For Aluminum With Satin Finish, Add</i>	200.19	
			<i>For Third Rail, Add</i>	52.91	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	70.55	
32 31	19 00-0072	EA	7' Wide x 4' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim.	858.97	29.68
			<i>For Solid Pickets, Add</i>	186.58	
			<i>For Aluminum With Satin Finish, Add</i>	217.59	
			<i>For Third Rail, Add</i>	57.74	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	76.99	
32 31	19 00-0073	EA	8' Wide x 4' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim.	964.52	33.90
			<i>For Solid Pickets, Add</i>	209.38	
			<i>For Aluminum With Satin Finish, Add</i>	243.53	
			<i>For Third Rail, Add</i>	64.70	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	86.27	
32 31	19 00-0074	EA	9' Wide x 4' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim.	1,067.61	38.20
			<i>For Solid Pickets, Add</i>	231.62	
			<i>For Aluminum With Satin Finish, Add</i>	268.72	
			<i>For Third Rail, Add</i>	71.48	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	95.30	
32 31	19 00-0075	EA	10' Wide x 4' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim.	1,165.74	42.41
			<i>For Solid Pickets, Add</i>	252.74	
			<i>For Aluminum With Satin Finish, Add</i>	292.43	
			<i>For Third Rail, Add</i>	77.88	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	103.84	
32 31	19 00-0076	EA	6' Wide x 4' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim.	1,171.83	35.80
			<i>For Solid Pickets, Add</i>	255.61	
			<i>For Aluminum With Satin Finish, Add</i>	303.21	
			<i>For Third Rail, Add</i>	79.83	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	106.44	
32 31	19 00-0077	EA	7' Wide x 4' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim.	1,267.40	37.08
			<i>For Solid Pickets, Add</i>	276.81	
			<i>For Aluminum With Satin Finish, Add</i>	330.09	
			<i>For Third Rail, Add</i>	86.70	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	115.60	



Exterior Improvements	32	32
Site Improvements	32 30	
Fences And Gates	32 31	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 19 00-0078	EA	8' Wide x 4' High Steel Tube Double Swing Gate..... Note: Includes mounting hardware and associated trim. <i>For Solid Pickets, Add</i> <i>For Aluminum With Satin Finish, Add</i> <i>For Third Rail, Add</i> <i>For 1" Square x 14 Gauge Pickets, Add</i>	1,366.96 298.61 356.38 93.57 124.76	39.79
32 31 19 00-0079	EA	9' Wide x 4' High Steel Tube Double Swing Gate..... Note: Includes mounting hardware and associated trim. <i>For Solid Pickets, Add</i> <i>For Aluminum With Satin Finish, Add</i> <i>For Third Rail, Add</i> <i>For 1" Square x 14 Gauge Pickets, Add</i>	1,445.20 315.92 378.06 99.14 132.19	41.06
32 31 19 00-0080	EA	10' Wide x 4' High Steel Tube Double Swing Gate..... Note: Includes mounting hardware and associated trim. <i>For Solid Pickets, Add</i> <i>For Aluminum With Satin Finish, Add</i> <i>For Third Rail, Add</i> <i>For 1" Square x 14 Gauge Pickets, Add</i>	1,511.06 330.44 396.03 103.78 138.38	42.41
32 31 19 00-0081	EA	12' Wide x 4' High Steel Tube Double Swing Gate..... Note: Includes mounting hardware and associated trim. <i>For Solid Pickets, Add</i> <i>For Aluminum With Satin Finish, Add</i> <i>For Third Rail, Add</i> <i>For 1" Square x 14 Gauge Pickets, Add</i>	1,715.99 374.64 446.05 117.24 156.32	50.84
32 31 19 00-0082	EA	14' Wide x 4' High Steel Tube Double Swing Gate..... Note: Includes mounting hardware and associated trim. <i>For Solid Pickets, Add</i> <i>For Aluminum With Satin Finish, Add</i> <i>For Third Rail, Add</i> <i>For 1" Square x 14 Gauge Pickets, Add</i>	1,896.16 413.27 488.64 128.84 171.79	59.36
32 31 19 00-0083	EA	16' Wide x 4' High Steel Tube Double Swing Gate..... Note: Includes mounting hardware and associated trim. <i>For Solid Pickets, Add</i> <i>For Aluminum With Satin Finish, Add</i> <i>For Third Rail, Add</i> <i>For 1" Square x 14 Gauge Pickets, Add</i>	2,052.82 446.61 524.18 138.68 184.91	67.79
32 31 19 00-0084	EA	18' Wide x 4' High Steel Tube Double Swing Gate..... Note: Includes mounting hardware and associated trim. <i>For Solid Pickets, Add</i> <i>For Aluminum With Satin Finish, Add</i> <i>For Third Rail, Add</i> <i>For 1" Square x 14 Gauge Pickets, Add</i>	2,188.44 475.21 553.41 146.95 195.93	76.31
32 31 19 00-0085	EA	20' Wide x 4' High Steel Tube Double Swing Gate..... Note: Includes mounting hardware and associated trim. <i>For Solid Pickets, Add</i> <i>For Aluminum With Satin Finish, Add</i> <i>For Third Rail, Add</i> <i>For 1" Square x 14 Gauge Pickets, Add</i>	2,304.25 499.36 576.70 153.72 204.96	84.82
32 31 19 00-0086		5' Fence Height Steel Tube Swing Gates, 2 Rail (32 31 19 00-0045)		
32 31 19 00-0087	EA	3' Wide x 5' High Steel Tube Single Swing Gate..... Note: Includes mounting hardware and associated trim. <i>For Solid Pickets, Add</i> <i>For Aluminum With Satin Finish, Add</i> <i>For Third Rail, Add</i> <i>For 1" Square x 14 Gauge Pickets, Add</i>	637.42 139.24 166.16 43.63 58.17	18.54
32 31 19 00-0088	EA	3'-6" Wide x 5' High Steel Tube Single Swing Gate..... Note: Includes mounting hardware and associated trim. <i>For Solid Pickets, Add</i> <i>For Aluminum With Satin Finish, Add</i> <i>For Third Rail, Add</i> <i>For 1" Square x 14 Gauge Pickets, Add</i>	672.34 146.80 174.85 45.95 61.27	19.89
32 31 19 00-0089	EA	4' Wide x 5' High Steel Tube Single Swing Gate..... Note: Includes mounting hardware and associated trim. <i>For Solid Pickets, Add</i> <i>For Aluminum With Satin Finish, Add</i> <i>For Third Rail, Add</i> <i>For 1" Square x 14 Gauge Pickets, Add</i>	706.03 154.08 183.16 48.18 64.24	21.16
32 31 19 00-0090	EA	5' Wide x 5' High Steel Tube Single Swing Gate..... Note: Includes mounting hardware and associated trim. <i>For Solid Pickets, Add</i> <i>For Aluminum With Satin Finish, Add</i> <i>For Third Rail, Add</i> <i>For 1" Square x 14 Gauge Pickets, Add</i>	754.55 164.70 195.93 51.52 68.69	22.52
32 31 19 00-0091	EA	6' Wide x 5' High Steel Tube Single Swing Gate..... Note: Includes mounting hardware and associated trim. <i>For Solid Pickets, Add</i> <i>For Aluminum With Satin Finish, Add</i> <i>For Third Rail, Add</i> <i>For 1" Square x 14 Gauge Pickets, Add</i>	821.30 178.71 209.87 55.51 74.01	27.05

32 Exterior Improvements**32 30 Site Improvements****32 31 Fences And Gates**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31	19 00-0092	EA	7' Wide x 5' High Steel Tube Single Swing Gate..... Note: Includes mounting hardware and associated trim.	909.09	31.51
			<i>For Solid Pickets, Add</i>	197.44	
			<i>For Aluminum With Satin Finish, Add</i>	230.12	
			<i>For Third Rail, Add</i>	61.08	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	81.44	
32 31	19 00-0093	EA	8' Wide x 5' High Steel Tube Single Swing Gate..... Note: Includes mounting hardware and associated trim.	1,031.11	36.29
			<i>For Solid Pickets, Add</i>	223.82	
			<i>For Aluminum With Satin Finish, Add</i>	260.27	
			<i>For Third Rail, Add</i>	69.16	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	92.21	
32 31	19 00-0094	EA	9' Wide x 5' High Steel Tube Single Swing Gate..... Note: Includes mounting hardware and associated trim.	1,149.82	40.82
			<i>For Solid Pickets, Add</i>	249.52	
			<i>For Aluminum With Satin Finish, Add</i>	289.81	
			<i>For Third Rail, Add</i>	77.05	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	102.73	
32 31	19 00-0095	EA	10' Wide x 5' High Steel Tube Single Swing Gate..... Note: Includes mounting hardware and associated trim.	1,266.08	45.27
			<i>For Solid Pickets, Add</i>	274.66	
			<i>For Aluminum With Satin Finish, Add</i>	318.60	
			<i>For Third Rail, Add</i>	84.75	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	113.00	
32 31	19 00-0096	EA	6' Wide x 5' High Steel Tube Double Swing Gate..... Note: Includes mounting hardware and associated trim.	1,252.72	31.27
			<i>For Solid Pickets, Add</i>	275.17	
			<i>For Aluminum With Satin Finish, Add</i>	335.64	
			<i>For Third Rail, Add</i>	87.26	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	116.34	
32 31	19 00-0097	EA	7' Wide x 5' High Steel Tube Double Swing Gate..... Note: Includes mounting hardware and associated trim.	1,328.24	36.44
			<i>For Solid Pickets, Add</i>	291.04	
			<i>For Aluminum With Satin Finish, Add</i>	351.60	
			<i>For Third Rail, Add</i>	91.81	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	122.41	
32 31	19 00-0098	EA	8' Wide x 5' High Steel Tube Double Swing Gate..... Note: Includes mounting hardware and associated trim.	1,404.64	41.93
			<i>For Solid Pickets, Add</i>	307.05	
			<i>For Aluminum With Satin Finish, Add</i>	367.43	
			<i>For Third Rail, Add</i>	96.35	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	128.47	
32 31	19 00-0099	EA	9' Wide x 5' High Steel Tube Double Swing Gate..... Note: Includes mounting hardware and associated trim.	1,508.64	47.18
			<i>For Solid Pickets, Add</i>	329.33	
			<i>For Aluminum With Satin Finish, Add</i>	391.94	
			<i>For Third Rail, Add</i>	103.04	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	137.39	
32 31	19 00-0100	EA	10' Wide x 5' High Steel Tube Double Swing Gate..... Note: Includes mounting hardware and associated trim.	1,600.25	52.35
			<i>For Solid Pickets, Add</i>	348.83	
			<i>For Aluminum With Satin Finish, Add</i>	412.72	
			<i>For Third Rail, Add</i>	108.79	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	145.06	
32 31	19 00-0101	EA	12' Wide x 5' High Steel Tube Double Swing Gate..... Note: Includes mounting hardware and associated trim.	1,821.10	58.24
			<i>For Solid Pickets, Add</i>	397.28	
			<i>For Aluminum With Satin Finish, Add</i>	471.50	
			<i>For Third Rail, Add</i>	124.11	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	165.48	
32 31	19 00-0102	EA	14' Wide x 5' High Steel Tube Double Swing Gate..... Note: Includes mounting hardware and associated trim.	2,020.19	64.61
			<i>For Solid Pickets, Add</i>	440.69	
			<i>For Aluminum With Satin Finish, Add</i>	522.95	
			<i>For Third Rail, Add</i>	137.66	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	183.55	
32 31	19 00-0103	EA	16' Wide x 5' High Steel Tube Double Swing Gate..... Note: Includes mounting hardware and associated trim.	2,198.75	71.69
			<i>For Solid Pickets, Add</i>	479.36	
			<i>For Aluminum With Satin Finish, Add</i>	567.46	
			<i>For Third Rail, Add</i>	149.54	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	199.39	
32 31	19 00-0104	EA	18' Wide x 5' High Steel Tube Double Swing Gate..... Note: Includes mounting hardware and associated trim.	2,360.13	79.65
			<i>For Solid Pickets, Add</i>	513.96	
			<i>For Aluminum With Satin Finish, Add</i>	605.63	
			<i>For Third Rail, Add</i>	159.94	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	213.26	
32 31	19 00-0105	EA	20' Wide x 5' High Steel Tube Double Swing Gate..... Note: Includes mounting hardware and associated trim.	2,504.33	88.56
			<i>For Solid Pickets, Add</i>	544.50	
			<i>For Aluminum With Satin Finish, Add</i>	637.47	
			<i>For Third Rail, Add</i>	168.85	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	225.14	



Exterior Improvements	32
Site Improvements	32 30
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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 19 00-0106 6' Fence Height Steel Tube Swing Gates, 2 Rail <small>(32 31 19 00-0045)</small>		
32 31 19 00-0107 EA 3' Wide x 6' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim.	664.03	20.37
For Solid Pickets, Add	144.81	
For Aluminum With Satin Finish, Add	171.64	
For Third Rail, Add	45.21	
For 1" Square x 14 Gauge Pickets, Add	60.28	
32 31 19 00-0108 EA 3'-6" Wide x 6' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim.	698.15	21.48
For Solid Pickets, Add	152.25	
For Aluminum With Satin Finish, Add	180.44	
For Third Rail, Add	47.53	
For 1" Square x 14 Gauge Pickets, Add	63.37	
32 31 19 00-0109 EA 4' Wide x 6' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim.	732.84	22.67
For Solid Pickets, Add	159.77	
For Aluminum With Satin Finish, Add	189.16	
For Third Rail, Add	49.85	
For 1" Square x 14 Gauge Pickets, Add	66.46	
32 31 19 00-0110 EA 5' Wide x 6' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim.	775.43	24.11
For Solid Pickets, Add	169.04	
For Aluminum With Satin Finish, Add	200.04	
For Third Rail, Add	52.73	
For 1" Square x 14 Gauge Pickets, Add	70.30	
32 31 19 00-0111 EA 6' Wide x 6' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim.	870.98	29.13
For Solid Pickets, Add	189.41	
For Aluminum With Satin Finish, Add	221.91	
For Third Rail, Add	58.76	
For 1" Square x 14 Gauge Pickets, Add	78.35	
32 31 19 00-0112 EA 7' Wide x 6' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim.	972.74	34.21
For Solid Pickets, Add	211.17	
For Aluminum With Satin Finish, Add	245.63	
For Third Rail, Add	65.26	
For 1" Square x 14 Gauge Pickets, Add	87.01	
32 31 19 00-0113 EA 8' Wide x 6' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim.	1,086.08	38.99
For Solid Pickets, Add	235.60	
For Aluminum With Satin Finish, Add	273.19	
For Third Rail, Add	72.68	
For 1" Square x 14 Gauge Pickets, Add	96.91	
32 31 19 00-0114 EA 9' Wide x 6' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim.	1,195.27	44.00
For Solid Pickets, Add	259.03	
For Aluminum With Satin Finish, Add	299.14	
For Third Rail, Add	79.74	
For 1" Square x 14 Gauge Pickets, Add	106.32	
32 31 19 00-0115 EA 10' Wide x 6' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim.	1,327.96	49.02
For Solid Pickets, Add	287.75	
For Aluminum With Satin Finish, Add	332.15	
For Third Rail, Add	88.56	
For 1" Square x 14 Gauge Pickets, Add	118.08	
32 31 19 00-0116 EA 6' Wide x 6' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim.	1,301.80	33.73
For Solid Pickets, Add	285.68	
For Aluminum With Satin Finish, Add	347.21	
For Third Rail, Add	90.41	
For 1" Square x 14 Gauge Pickets, Add	120.55	
32 31 19 00-0117 EA 7' Wide x 6' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim.	1,380.31	39.55
For Solid Pickets, Add	302.10	
For Aluminum With Satin Finish, Add	363.28	
For Third Rail, Add	95.06	
For 1" Square x 14 Gauge Pickets, Add	126.74	
32 31 19 00-0118 EA 8' Wide x 6' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim.	1,457.95	45.04
For Solid Pickets, Add	318.39	
For Aluminum With Satin Finish, Add	379.49	
For Third Rail, Add	99.70	
For 1" Square x 14 Gauge Pickets, Add	132.93	
32 31 19 00-0119 EA 9' Wide x 6' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim.	1,551.32	50.84
For Solid Pickets, Add	338.15	
For Aluminum With Satin Finish, Add	400.02	
For Third Rail, Add	105.45	
For 1" Square x 14 Gauge Pickets, Add	140.60	
32 31 19 00-0120 EA 10' Wide x 6' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim.	1,696.67	56.65
For Solid Pickets, Add	369.61	
For Aluminum With Satin Finish, Add	436.14	
For Third Rail, Add	115.11	
For 1" Square x 14 Gauge Pickets, Add	153.48	

32 Exterior Improvements**32 30 Site Improvements****32 31 Fences And Gates**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31	19 00-0121	EA	12' Wide x 6' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim.	1,988.59	63.09
			<i>For Solid Pickets, Add</i>	433.91	
			<i>For Aluminum With Satin Finish, Add</i>	515.44	
			<i>For Third Rail, Add</i>	135.62	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	180.83	
32 31	19 00-0122	EA	14' Wide x 6' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim.	2,083.85	70.50
			<i>For Solid Pickets, Add</i>	453.77	
			<i>For Aluminum With Satin Finish, Add</i>	534.57	
			<i>For Third Rail, Add</i>	141.19	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	188.25	
32 31	19 00-0123	EA	16' Wide x 6' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim.	2,288.54	78.45
			<i>For Solid Pickets, Add</i>	498.12	
			<i>For Aluminum With Satin Finish, Add</i>	585.74	
			<i>For Third Rail, Add</i>	154.84	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	206.45	
32 31	19 00-0124	EA	18' Wide x 6' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim.	2,477.31	87.29
			<i>For Solid Pickets, Add</i>	538.69	
			<i>For Aluminum With Satin Finish, Add</i>	630.94	
			<i>For Third Rail, Add</i>	167.09	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	222.79	
32 31	19 00-0125	EA	20' Wide x 6' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim.	2,653.48	97.39
			<i>For Solid Pickets, Add</i>	576.16	
			<i>For Aluminum With Satin Finish, Add</i>	670.80	
			<i>For Third Rail, Add</i>	178.14	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	237.52	
32 31	19 00-0126		7' Fence Height Steel Tube Swing Gates, 2 Rail <small>(32 31 19 00-0045)</small>		
32 31	19 00-0127	EA	3' Wide x 7' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim.	703.70	22.04
			<i>For Solid Pickets, Add</i>	153.36	
			<i>For Aluminum With Satin Finish, Add</i>	181.28	
			<i>For Third Rail, Add</i>	47.81	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	63.74	
32 31	19 00-0128	EA	3'-6" Wide x 7' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim.	739.38	23.24
			<i>For Solid Pickets, Add</i>	161.13	
			<i>For Aluminum With Satin Finish, Add</i>	190.41	
			<i>For Third Rail, Add</i>	50.22	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	66.96	
32 31	19 00-0129	EA	4' Wide x 7' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim.	775.23	24.43
			<i>For Solid Pickets, Add</i>	168.92	
			<i>For Aluminum With Satin Finish, Add</i>	199.52	
			<i>For Third Rail, Add</i>	52.63	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	70.18	
32 31	19 00-0130	EA	5' Wide x 7' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim.	811.14	25.70
			<i>For Solid Pickets, Add</i>	176.72	
			<i>For Aluminum With Satin Finish, Add</i>	208.61	
			<i>For Third Rail, Add</i>	55.05	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	73.40	
32 31	19 00-0131	EA	6' Wide x 7' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim.	939.24	31.27
			<i>For Solid Pickets, Add</i>	204.29	
			<i>For Aluminum With Satin Finish, Add</i>	239.52	
			<i>For Third Rail, Add</i>	63.40	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	84.54	
32 31	19 00-0132	EA	7' Wide x 7' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim.	1,056.64	36.60
			<i>For Solid Pickets, Add</i>	229.51	
			<i>For Aluminum With Satin Finish, Add</i>	267.58	
			<i>For Third Rail, Add</i>	71.01	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	94.68	
32 31	19 00-0133	EA	8' Wide x 7' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim.	1,142.67	42.09
			<i>For Solid Pickets, Add</i>	247.61	
			<i>For Aluminum With Satin Finish, Add</i>	285.87	
			<i>For Third Rail, Add</i>	76.21	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	101.62	
32 31	19 00-0134	EA	9' Wide x 7' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim.	1,240.27	47.42
			<i>For Solid Pickets, Add</i>	268.38	
			<i>For Aluminum With Satin Finish, Add</i>	307.99	
			<i>For Third Rail, Add</i>	82.34	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	109.78	



Exterior Improvements	32
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Fences And Gates	32 31

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 19 00-0135 EA 10' Wide x 7' High Steel Tube Single Swing Gate	1,359.71	52.99
Note: Includes mounting hardware and associated trim.		
<i>For Solid Pickets, Add</i>	294.00	
<i>For Aluminum With Satin Finish, Add</i>	336.30	
<i>For Third Rail, Add</i>	90.04	
<i>For 1" Square x 14 Gauge Pickets, Add</i>	120.06	
32 31 19 00-0136 EA 6' Wide x 7' High Steel Tube Double Swing Gate	1,378.11	36.12
Note: Includes mounting hardware and associated trim.		
<i>For Solid Pickets, Add</i>	302.33	
<i>For Aluminum With Satin Finish, Add</i>	366.96	
<i>For Third Rail, Add</i>	95.61	
<i>For 1" Square x 14 Gauge Pickets, Add</i>	127.48	
32 31 19 00-0137 EA 7' Wide x 7' High Steel Tube Double Swing Gate	1,459.97	42.25
Note: Includes mounting hardware and associated trim.		
<i>For Solid Pickets, Add</i>	319.43	
<i>For Aluminum With Satin Finish, Add</i>	383.64	
<i>For Third Rail, Add</i>	100.44	
<i>For 1" Square x 14 Gauge Pickets, Add</i>	133.92	
32 31 19 00-0138 EA 8' Wide x 7' High Steel Tube Double Swing Gate	1,542.72	48.70
Note: Includes mounting hardware and associated trim.		
<i>For Solid Pickets, Add</i>	336.67	
<i>For Aluminum With Satin Finish, Add</i>	400.19	
<i>For Third Rail, Add</i>	105.27	
<i>For 1" Square x 14 Gauge Pickets, Add</i>	140.36	
32 31 19 00-0139 EA 9' Wide x 7' High Steel Tube Double Swing Gate	1,625.82	54.83
Note: Includes mounting hardware and associated trim.		
<i>For Solid Pickets, Add</i>	354.06	
<i>For Aluminum With Satin Finish, Add</i>	417.24	
<i>For Third Rail, Add</i>	110.19	
<i>For 1" Square x 14 Gauge Pickets, Add</i>	146.92	
32 31 19 00-0140 EA 10' Wide x 7' High Steel Tube Double Swing Gate	1,831.09	61.27
Note: Includes mounting hardware and associated trim.		
<i>For Solid Pickets, Add</i>	398.87	
<i>For Aluminum With Satin Finish, Add</i>	470.55	
<i>For Third Rail, Add</i>	124.20	
<i>For 1" Square x 14 Gauge Pickets, Add</i>	165.60	
32 31 19 00-0141 EA 12' Wide x 7' High Steel Tube Double Swing Gate	2,211.39	68.35
Note: Includes mounting hardware and associated trim.		
<i>For Solid Pickets, Add</i>	482.92	
<i>For Aluminum With Satin Finish, Add</i>	575.59	
<i>For Third Rail, Add</i>	151.22	
<i>For 1" Square x 14 Gauge Pickets, Add</i>	201.62	
32 31 19 00-0142 EA 14' Wide x 7' High Steel Tube Double Swing Gate	2,190.48	76.63
Note: Includes mounting hardware and associated trim.		
<i>For Solid Pickets, Add</i>	476.45	
<i>For Aluminum With Satin Finish, Add</i>	558.68	
<i>For Third Rail, Add</i>	147.87	
<i>For 1" Square x 14 Gauge Pickets, Add</i>	197.17	
32 31 19 00-0143 EA 16' Wide x 7' High Steel Tube Double Swing Gate	2,374.28	85.46
Note: Includes mounting hardware and associated trim.		
<i>For Solid Pickets, Add</i>	515.90	
<i>For Aluminum With Satin Finish, Add</i>	602.39	
<i>For Third Rail, Add</i>	159.76	
<i>For 1" Square x 14 Gauge Pickets, Add</i>	213.01	
32 31 19 00-0144 EA 18' Wide x 7' High Steel Tube Double Swing Gate	2,593.77	95.56
Note: Includes mounting hardware and associated trim.		
<i>For Solid Pickets, Add</i>	563.12	
<i>For Aluminum With Satin Finish, Add</i>	655.25	
<i>For Third Rail, Add</i>	174.05	
<i>For 1" Square x 14 Gauge Pickets, Add</i>	232.07	
32 31 19 00-0145 EA 20' Wide x 7' High Steel Tube Double Swing Gate	2,740.38	106.62
Note: Includes mounting hardware and associated trim.		
<i>For Solid Pickets, Add</i>	593.74	
<i>For Aluminum With Satin Finish, Add</i>	685.05	
<i>For Third Rail, Add</i>	182.68	
<i>For 1" Square x 14 Gauge Pickets, Add</i>	243.58	
32 31 19 00-0146 8' Fence Height Steel Tube Swing Gates, 2 Rail <small>(32 31 19 00-0045)</small>		
32 31 19 00-0147 EA 3' Wide x 8' High Steel Tube Single Swing Gate	764.72	23.87
Note: Includes mounting hardware and associated trim.		
<i>For Solid Pickets, Add</i>	166.69	
<i>For Aluminum With Satin Finish, Add</i>	197.19	
<i>For Third Rail, Add</i>	51.98	
<i>For 1" Square x 14 Gauge Pickets, Add</i>	69.31	
32 31 19 00-0148 EA 3'-6" Wide x 8' High Steel Tube Single Swing Gate	802.12	25.15
Note: Includes mounting hardware and associated trim.		
<i>For Solid Pickets, Add</i>	174.81	
<i>For Aluminum With Satin Finish, Add</i>	206.62	
<i>For Third Rail, Add</i>	54.49	
<i>For 1" Square x 14 Gauge Pickets, Add</i>	72.65	

32 Exterior Improvements**32 30 Site Improvements****32 31 Fences And Gates**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31	19 00-0149	EA	4' Wide x 8' High Steel Tube Single Swing Gate..... Note: Includes mounting hardware and associated trim.	841.99	26.50
			<i>For Solid Pickets, Add</i>	183.48	
			<i>For Aluminum With Satin Finish, Add</i>	216.79	
			<i>For Third Rail, Add</i>	57.18	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	76.24	
32 31	19 00-0150	EA	5' Wide x 8' High Steel Tube Single Swing Gate..... Note: Includes mounting hardware and associated trim.	878.37	29.52
			<i>For Solid Pickets, Add</i>	190.98	
			<i>For Aluminum With Satin Finish, Add</i>	223.59	
			<i>For Third Rail, Add</i>	59.22	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	78.97	
32 31	19 00-0151	EA	6' Wide x 8' High Steel Tube Single Swing Gate..... Note: Includes mounting hardware and associated trim.	1,038.43	33.41
			<i>For Solid Pickets, Add</i>	226.13	
			<i>For Aluminum With Satin Finish, Add</i>	266.42	
			<i>For Third Rail, Add</i>	70.36	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	93.82	
32 31	19 00-0152	EA	7' Wide x 8' High Steel Tube Single Swing Gate..... Note: Includes mounting hardware and associated trim.	1,156.90	40.26
			<i>For Solid Pickets, Add</i>	251.23	
			<i>For Aluminum With Satin Finish, Add</i>	292.64	
			<i>For Third Rail, Add</i>	77.70	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	103.60	
32 31	19 00-0153	EA	8' Wide x 8' High Steel Tube Single Swing Gate..... Note: Includes mounting hardware and associated trim.	1,210.21	46.86
			<i>For Solid Pickets, Add</i>	261.73	
			<i>For Aluminum With Satin Finish, Add</i>	299.69	
			<i>For Third Rail, Add</i>	80.20	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	106.94	
32 31	19 00-0154	EA	9' Wide x 8' High Steel Tube Single Swing Gate..... Note: Includes mounting hardware and associated trim.	1,298.97	53.79
			<i>For Solid Pickets, Add</i>	280.15	
			<i>For Aluminum With Satin Finish, Add</i>	317.01	
			<i>For Third Rail, Add</i>	85.31	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	113.75	
32 31	19 00-0155	EA	10' Wide x 8' High Steel Tube Single Swing Gate..... Note: Includes mounting hardware and associated trim.	1,376.59	60.71
			<i>For Solid Pickets, Add</i>	296.07	
			<i>For Aluminum With Satin Finish, Add</i>	330.98	
			<i>For Third Rail, Add</i>	89.58	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	119.44	
32 31	19 00-0156	EA	6' Wide x 8' High Steel Tube Double Swing Gate..... Note: Includes mounting hardware and associated trim.	1,497.75	38.60
			<i>For Solid Pickets, Add</i>	328.72	
			<i>For Aluminum With Satin Finish, Add</i>	399.69	
			<i>For Third Rail, Add</i>	104.06	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	138.75	
32 31	19 00-0157	EA	7' Wide x 8' High Steel Tube Double Swing Gate..... Note: Includes mounting hardware and associated trim.	1,589.81	46.55
			<i>For Solid Pickets, Add</i>	347.73	
			<i>For Aluminum With Satin Finish, Add</i>	417.08	
			<i>For Third Rail, Add</i>	109.26	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	145.68	
32 31	19 00-0158	EA	8' Wide x 8' High Steel Tube Double Swing Gate..... Note: Includes mounting hardware and associated trim.	1,679.77	54.19
			<i>For Solid Pickets, Add</i>	366.33	
			<i>For Aluminum With Satin Finish, Add</i>	434.22	
			<i>For Third Rail, Add</i>	114.36	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	152.49	
32 31	19 00-0159	EA	9' Wide x 8' High Steel Tube Double Swing Gate..... Note: Includes mounting hardware and associated trim.	1,755.75	62.22
			<i>For Solid Pickets, Add</i>	381.72	
			<i>For Aluminum With Satin Finish, Add</i>	446.77	
			<i>For Third Rail, Add</i>	118.36	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	157.81	
32 31	19 00-0160	EA	10' Wide x 8' High Steel Tube Double Swing Gate..... Note: Includes mounting hardware and associated trim.	2,039.65	70.18
			<i>For Solid Pickets, Add</i>	443.89	
			<i>For Aluminum With Satin Finish, Add</i>	521.70	
			<i>For Third Rail, Add</i>	137.94	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	183.92	
32 31	19 00-0161	EA	12' Wide x 8' High Steel Tube Double Swing Gate..... Note: Includes mounting hardware and associated trim.	2,539.08	79.02
			<i>For Solid Pickets, Add</i>	554.36	
			<i>For Aluminum With Satin Finish, Add</i>	660.11	
			<i>For Third Rail, Add</i>	173.49	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	231.33	
32 31	19 00-0162	EA	14' Wide x 8' High Steel Tube Double Swing Gate..... Note: Includes mounting hardware and associated trim.	2,327.85	89.12
			<i>For Solid Pickets, Add</i>	504.66	
			<i>For Aluminum With Satin Finish, Add</i>	583.74	
			<i>For Third Rail, Add</i>	155.49	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	207.32	



		Exterior Improvements	32
		Site Improvements	32 30
		Fences And Gates	32 31

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 19 00-0163 EA 16' Wide x 8' High Steel Tube Double Swing Gate.....	2,494.78	100.82
Note: Includes mounting hardware and associated trim.		
For Solid Pickets, Add	539.73	
For Aluminum With Satin Finish, Add	618.85	
For Third Rail, Add	165.51	
For 1" Square x 14 Gauge Pickets, Add	220.68	
32 31 19 00-0164 EA 18' Wide x 8' High Steel Tube Double Swing Gate.....	2,750.62	113.62
Note: Includes mounting hardware and associated trim.		
For Solid Pickets, Add	594.53	
For Aluminum With Satin Finish, Add	679.06	
For Third Rail, Add	181.94	
For 1" Square x 14 Gauge Pickets, Add	242.59	
32 31 19 00-0165 EA 20' Wide x 8' High Steel Tube Double Swing Gate.....	2,811.55	128.02
Note: Includes mounting hardware and associated trim.		
For Solid Pickets, Add	605.16	
For Aluminum With Satin Finish, Add	678.83	
For Third Rail, Add	183.43	
For 1" Square x 14 Gauge Pickets, Add	244.57	
32 31 19 00-0166 Replace Steel Tube Fence Pickets (32 31 19 00-0032)		
32 31 19 00-0167 LF Replace 3/4" Square x 16 Gauge Steel Tube Fence Picket	20.24	
For 1" Square x 14 Gauge Pickets, Add	0.43	
32 31 19 00-0168 Remove And Reinstall Ornamental Fences (32 31 19)		
Note: Removal and reinstallation of fences including storage and cleaning. Excludes augering and concrete.		
32 31 19 00-0169 LF Removal And Reinstallation Of Ornamental Fence Up To 5' Height.....	35.80	
32 31 19 00-0170 LF Removal And Reinstallation Of Ornamental Fence, 6' Height	39.39	
32 31 19 00-0171 LF Removal And Reinstallation Of Ornamental Fence, 7' Height	42.97	
32 31 19 00-0172 LF Removal And Reinstallation Of Ornamental Fence, 8' Height	46.55	
32 31 19 00-0173 LF Removal And Reinstallation Of Ornamental Fence, 9' Height	50.13	
32 31 19 00-0174 LF Removal And Reinstallation Of Ornamental Fence, 10' Height	53.71	
32 31 19 00-0175 LF Removal And Reinstallation Of Ornamental Fence 12' Height	59.68	
32 31 26 Wire Fences And Gates (32 31)		
32 31 26 00-0001 Chicken Wire (32 31 26)		
Note: Posts at 4'.		
32 31 26 00-0002 LF 1" Mesh, 4' High Chicken Wire Posts At 4'	6.33	1.45
32 31 26 00-0003 LF 2" Mesh, 6' High Chicken Wire Posts At 4'	7.01	1.45
32 31 26 00-0004 Wire And Screen (32 31 26)		
32 31 26 00-0005 Wire And Screen For Partitions And Fences (32 31 26 00-0004)		
Note: Excludes framing and post.		
32 31 26 00-0006 Screen Wire (32 31 26 00-0005)		
32 31 26 00-0007 LF Screen Wire, 48" Wide Rolls.....	9.75	0.91
32 31 26 00-0008 Hog Wire (32 31 26 00-0005)		
32 31 26 00-0009 SF 4" x 4" Hog Wire For Fencing	1.79	0.73
32 31 26 00-0010 SF 6" x 6" Hog Wire For Fencing	1.87	0.82
32 31 26 00-0011 Non-Climb Horse Fence (32 31 26 00-0005)		
32 31 26 00-0012 LF 4' Non-Climb Woven, 12.5 Gauge, Horse Fence	7.81	2.92
32 31 26 00-0013 LF 5' Non-Climb Woven, 12.5 Gauge, Horse Fence	9.95	3.64
32 31 26 00-0014 LF 6' Non-Climb Woven, 12.5 Gauge, Horse Fence	12.33	4.37
32 31 26 00-0015 Screen For Partitions And Ceilings (32 31 26 00-0004)		
Note: Can be used to support insulation on walls and ceilings.		
32 31 26 00-0016 SF 1" Mesh Chicken Wire	1.51	
32 31 26 00-0017 Wicket Fence (32 31 26)		
32 31 26 00-0018 LF Steel Wicket Fence, Painted.....	43.29	4.23
32 31 29 Wood Fences And Gates (32 31)		
See CSI section 32 31 13 13-0001 for drilling for augering holes and backfill.		
32 31 29 00-0001 Basket Weave (32 31 29)		
Note: 3/8" x 4" boards, 4" x 4" post		
32 31 29 00-0002 LF 6' High #1 Cedar Basket Weave Fence 3/8" x 4" Boards, 4" x 4" Post.....	26.86	2.90
For Fastening With Screws Instead Of Nails, Add	1.65	
32 31 29 00-0003 LF 6' High, Pressure Treated Pine Basket Weave 3/8" x 4" Boards, 4" x 4" Post.....	19.50	2.90
For Fastening With Screws Instead Of Nails, Add	1.30	

32 Exterior Improvements**32 30 Site Improvements****32 31 Fences And Gates**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 29 00-0004			Board Fence <small>(32 31 29)</small> Note: 1x4" board, 2x4" rail, 4x4" post.		
	32 31 29 00-0005	LF	Board Fence, 2 - 2" x 4" Rails, 3' High 1" x 4" Boards, Preservative Treated	17.28	2.90
			<i>For 1" x 6" Boards, Deduct</i>	-2.16	
			<i>For 1" x 3" Boards (Stockade Top), Add</i>	2.79	
			<i>For Fastening With Screws Instead Of Nails, Add</i>	1.20	
	32 31 29 00-0006	LF	Board Fence, 2 - 2" x 4" Rails, 4' High 1" x 4" Boards, Preservative Treated	18.93	2.90
			<i>For 1" x 6" Boards, Deduct</i>	-2.34	
			<i>For 1" x 3" Boards (Stockade Top), Add</i>	3.01	
			<i>For Fastening With Screws Instead Of Nails, Add</i>	1.31	
	32 31 29 00-0007	LF	Board Fence, 3 - 2" x 4" Rails, 5' High 1" x 4" Boards, Preservative Treated	20.50	2.90
			<i>For 1" x 6" Boards, Deduct</i>	-2.46	
			<i>For 1" x 3" Boards (Stockade Top), Add</i>	3.15	
			<i>For Fastening With Screws Instead Of Nails, Add</i>	1.40	
	32 31 29 00-0008	LF	Board Fence, 3 - 2" x 4" Rails, 6' High 1" x 4" Boards, Preservative Treated	21.65	2.90
			<i>For 1" x 6" Boards, Deduct</i>	-2.57	
			<i>For 1" x 3" Boards (Stockade Top), Add</i>	3.28	
			<i>For Fastening With Screws Instead Of Nails, Add</i>	1.47	
	32 31 29 00-0009	LF	Board Fence, 3 - 2" x 4" Rails, 8' High 1" x 4" Boards, Preservative Treated	22.86	2.90
			<i>For 1" x 6" Boards, Deduct</i>	-2.68	
			<i>For 1" x 3" Boards (Stockade Top), Add</i>	3.42	
			<i>For Fastening With Screws Instead Of Nails, Add</i>	1.55	
	32 31 29 00-0010	LF	Board Fence, 2 - 2" x 4" Rails, 3' High 1" x 4" #2 Grade Western Cedar	17.94	2.90
			<i>For 1" x 6" Boards, Deduct</i>	-2.19	
			<i>For 1" x 3" Boards (Stockade Top), Add</i>	2.81	
			<i>For Fastening With Screws Instead Of Nails, Add</i>	1.23	
	32 31 29 00-0011	LF	Board Fence, 2 - 2" x 4" Rails, 4' High 1" x 4" #2 Grade Western Cedar	19.44	2.90
			<i>For 1" x 6" Boards, Deduct</i>	-2.36	
			<i>For 1" x 3" Boards (Stockade Top), Add</i>	3.02	
			<i>For Fastening With Screws Instead Of Nails, Add</i>	1.33	
	32 31 29 00-0012	LF	Board Fence, 3 - 2" x 4" Rails, 5' High 1" x 4" #2 Grade Western Cedar	20.50	2.90
			<i>For 1" x 6" Boards, Deduct</i>	-2.46	
			<i>For 1" x 3" Boards (Stockade Top), Add</i>	3.15	
			<i>For Fastening With Screws Instead Of Nails, Add</i>	1.40	
	32 31 29 00-0013	LF	Board Fence, 3 - 2" x 4" Rails, 6' High 1" x 4" #2 Grade Western Cedar	21.65	2.90
			<i>For 1" x 6" Boards, Deduct</i>	-2.57	
			<i>For 1" x 3" Boards (Stockade Top), Add</i>	3.28	
			<i>For Fastening With Screws Instead Of Nails, Add</i>	1.47	
	32 31 29 00-0014	LF	Board Fence, 3 - 2" x 4" Rails, 8' High 1" x 4" #2 Grade Western Cedar	22.86	2.90
			<i>For 1" x 6" Boards, Deduct</i>	-2.68	
			<i>For 1" x 3" Boards (Stockade Top), Add</i>	3.42	
			<i>For Fastening With Screws Instead Of Nails, Add</i>	1.55	
	32 31 29 00-0015	LF	Board Fence, 2 - 2" x 4" Rails, 3' High 1" x 4" #1 Grade Cedar	17.94	2.90
			<i>For 1" x 6" Boards, Deduct</i>	-2.19	
			<i>For 1" x 3" Boards (Stockade Top), Add</i>	2.81	
			<i>For Fastening With Screws Instead Of Nails, Add</i>	1.23	
	32 31 29 00-0016	LF	Board Fence, 2 - 2" x 4" Rails, 4' High 1" x 4" #1 Grade Cedar	21.70	2.90
			<i>For 1" x 6" Boards, Deduct</i>	-2.45	
			<i>For 1" x 3" Boards (Stockade Top), Add</i>	3.09	
			<i>For Fastening With Screws Instead Of Nails, Add</i>	1.44	
	32 31 29 00-0017	LF	Board Fence, 3 - 2" x 4" Rails, 5' High 1" x 4" #1 Grade Cedar	22.66	2.90
			<i>For 1" x 6" Boards, Deduct</i>	-2.55	
			<i>For 1" x 3" Boards (Stockade Top), Add</i>	3.21	
			<i>For Fastening With Screws Instead Of Nails, Add</i>	1.51	
	32 31 29 00-0018	LF	Board Fence, 3 - 2" x 4" Rails, 6' High 1" x 4" #1 Grade Cedar	24.07	2.90
			<i>For 1" x 6" Boards, Deduct</i>	-2.67	
			<i>For 1" x 3" Boards (Stockade Top), Add</i>	3.36	
			<i>For Fastening With Screws Instead Of Nails, Add</i>	1.59	
	32 31 29 00-0019	LF	Board Fence, 3 - 2" x 4" Rails, 8' High 1" x 4" #1 Grade Cedar	25.56	2.90
			<i>For 1" x 6" Boards, Deduct</i>	-2.79	
			<i>For 1" x 3" Boards (Stockade Top), Add</i>	3.50	
			<i>For Fastening With Screws Instead Of Nails, Add</i>	1.68	
32 31 29 00-0020			Shadow Box <small>(32 31 29)</small> Note: 1x6" board, 2x4" Rail, 4x4" post.		
	32 31 29 00-0021	LF	Shadow Box, 3 - 2" x 4" Rails, 6' High 1" x 6" Pressure Treated Pine	18.17	2.90
			<i>For Fastening With Screws Instead Of Nails, Add</i>	1.21	
	32 31 29 00-0022	LF	Shadow Box, 3 - 2" x 4" Rails, 4' High 1" x 4" #1 Cedar	22.11	2.90
			<i>For Fastening With Screws Instead Of Nails, Add</i>	1.46	
	32 31 29 00-0023	LF	Shadow Box, 3 - 2" x 4" Rails, 6' High 1" x 4" #1 Cedar	23.48	2.90
			<i>For Fastening With Screws Instead Of Nails, Add</i>	1.55	
	32 31 29 00-0024	LF	Shadow Box, 3 - 2" x 4" Rails, 8' High 1" x 4" #1 Cedar	25.18	2.90
			<i>For Fastening With Screws Instead Of Nails, Add</i>	1.66	
32 31 29 00-0025			Open Rail Fence <small>(32 31 29)</small>		
32 31 29 00-0026			Post And Rail Fence, Ranch Style <small>(32 31 29 00-0025)</small>		
	32 31 29 00-0027	LF	Post And Rail Fence, 2 Rails, 3' High #1 Cedar	15.21	2.90
	32 31 29 00-0028	LF	Post And Rail Fence, 2 Rails, 3' High #2 Cedar	13.75	2.90
	32 31 29 00-0029	LF	Post And Rail Fence, 3 Rails, 4' High #1 Cedar	17.02	2.90
	32 31 29 00-0030	LF	Post And Rail Fence, 3 Rails, 4' High #2 Cedar	14.74	2.90



		Exterior Improvements	32
		Site Improvements	32 30
		Fences And Gates	32 31

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 29 00-0031			Split Rail Fence <small>(32 31 29 00-0025)</small>		
32 31 29 00-0032	LF		Split Rail Fence, 2 Rails, 3' High #1 Cedar	14.84	2.90
32 31 29 00-0033	LF		Split Rail Fence, 2 Rails, 3' High #2 Cedar	13.74	2.90
32 31 29 00-0034	LF		Split Rail Fence, 3 Rail, 4' High #1 Cedar	16.30	2.90
32 31 29 00-0035	LF		Split Rail Fence, 3 Rail, 4' High #2 Cedar	14.95	2.90
32 31 29 00-0036			Picket Fence <small>(32 31 29)</small>		
32 31 29 00-0037	LF		Picket Fence, 2 Rail, 3' High, Pressure Treated <i>For Fastening With Screws Instead Of Nails, Add</i>	16.20 1.16	2.90
32 31 29 00-0038	LF		Picket Fence, 2 Rail, 3' High #1 Cedar <i>For Fastening With Screws Instead Of Nails, Add</i>	15.87 1.14	2.90
32 31 29 00-0039			Wood Gate <small>(32 31 29)</small>		
32 31 29 00-0040			Board Fence Gates, Pressure Treated Wood <small>(32 31 29 00-0039)</small>		
Note: Includes galvanized extra duty hinges (1-1/2 butts per leaf), a galvanized latch and extra heavy-duty wheels per leaf, based on 2x4 frame, 1x4 cover, galvanized nails and hinges (treated lumber).					
32 31 29 00-0041	EA		3' To 5' High x 3' Wide, Pressure Treated Board Gate, 2 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	273.29	107.99
32 31 29 00-0042	EA		3' To 5' High x 3'-6" Wide, Pressure Treated Board Gate, 2 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	296.57	114.48
32 31 29 00-0043	EA		3' To 5' High x 4' Wide, Pressure Treated Board Gate, 2 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	328.49	125.27
32 31 29 00-0044	EA		3' To 5' High x 5' Wide, Pressure Treated Board Gate, 2 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	360.93	131.76
32 31 29 00-0045	EA		3' To 5' High x 6' Wide, Pressure Treated Board Gate, 2 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	393.37	138.24
32 31 29 00-0046	EA		>5' To 8' High x 3' Wide, Pressure Treated Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	353.88	142.55
32 31 29 00-0047	EA		>5' To 8' High x 3'-6" Wide, Pressure Treated Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	378.30	149.03
32 31 29 00-0048	EA		>5' To 8' High x 4' Wide, Pressure Treated Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	402.72	155.52
32 31 29 00-0049	EA		>5' To 8' High x 5' Wide, Pressure Treated Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	438.60	161.99
32 31 29 00-0050	EA		>5' To 8' High x 6' Wide, Pressure Treated Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	468.75	168.47
32 31 29 00-0051			Board Fence Gates, Grade 2 Cedar <small>(32 31 29 00-0039)</small>		
Note: Includes galvanized extra duty hinges (1-1/2 butts per leaf), a galvanized latch and extra heavy-duty wheels per leaf, based on 2x4 frame, 1x4 cover, galvanized nails and hinges (cedar lumber)					
32 31 29 00-0052	EA		3' To 5' High x 3' Wide, #2 Cedar Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	335.97	90.62
32 31 29 00-0053	EA		3' To 5' High x 3'-6" Wide, #2 Cedar Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	350.28	96.06
32 31 29 00-0054	EA		3' To 5' High x 4' Wide, #2 Cedar Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	372.99	105.13
32 31 29 00-0055	EA		3' To 5' High x 5' Wide, #2 Cedar Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	393.04	110.56
32 31 29 00-0056	EA		3' To 5' High x 6' Wide, #2 Cedar Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	416.51	116.00
32 31 29 00-0057	EA		>5' To 8' High x 3' Wide, #2 Cedar Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	411.16	119.63
32 31 29 00-0058	EA		>5' To 8' High x 3'-6" Wide, #2 Cedar Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	427.77	125.06
32 31 29 00-0059	EA		>5' To 8' High x 4' Wide, #2 Cedar Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	450.10	130.50
32 31 29 00-0060	EA		>5' To 8' High x 5' Wide, #2 Cedar Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	472.44	135.93
32 31 29 00-0061	EA		>5' To 8' High x 6' Wide, #2 Cedar Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	494.77	141.37
32 31 29 00-0062			Board Fence Gates, Grade 1 Cedar <small>(32 31 29 00-0039)</small>		
Note: Includes galvanized extra duty hinges (1-1/2 butts per leaf), a galvanized latch and extra heavy-duty wheels per leaf, based on 2x4 frame, 1x4 cover, galvanized nails and hinges (cedar lumber)					
32 31 29 00-0063	EA		3' To 5' High x 3' Wide, #1 Cedar Board Gate, 2 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	353.17	90.62
32 31 29 00-0064	EA		3' To 5' High x 3'-6" Wide, #1 Cedar Board Gate, 2 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	369.77	96.06
32 31 29 00-0065	EA		3' To 5' High x 4' Wide, #1 Cedar Board Gate, 2 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	393.62	105.13
32 31 29 00-0066	EA		3' To 5' High x 5' Wide, #1 Cedar Board Gate, 2 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	415.96	110.56
32 31 29 00-0067	EA		3' To 5' High x 6' Wide, #1 Cedar Board Gate, 2 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	438.29	116.00
32 31 29 00-0068	EA		>5' To 8' High x 3' Wide, #1 Cedar Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	434.08	119.63
32 31 29 00-0069	EA		>5' To 8' High x 3'-6" Wide, #1 Cedar Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	450.69	125.06
32 31 29 00-0070	EA		>5' To 8' High x 4' Wide, #1 Cedar Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	473.02	130.50
32 31 29 00-0071	EA		>5' To 8' High x 5' Wide, #1 Cedar Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	495.36	135.93
32 31 29 00-0072	EA		>5' To 8' High x 6' Wide, #1 Cedar Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	523.42	141.37
32 31 29 00-0073			Pressure Treated Wood Fence Posts <small>(32 31 29)</small>		
See CSI section 32 31 13 13-0001 for drilling augering, 32 31 13 13-0640 for barbed wire, 32 31 56 00-0017 for barbed wire.					
32 31 29 00-0074	EA		4' High, Pressure Treated Wood Fence Posts, Set In Soil, Earth Fill	26.61	10.80
32 31 29 00-0075	EA		6' High, Pressure Treated Wood Fence Posts, Set In Soil, Earth Fill	28.42	10.80
32 31 29 00-0076	EA		4' High, Pressure Treated Wood Fence Posts, Set In Concrete	48.81	20.73
32 31 29 00-0077	EA		6' High, Pressure Treated Wood Fence Posts, Set In Concrete	50.87	20.73
32 31 56			Wild Life Deterrent Fence <small>(32 31)</small>		
32 31 56 00-0001			Barbed Wire Fences <small>(32 31 56)</small>		
Note: Excludes post holes and fill See CSI section 32 31 13 13-0001 for drilling for augering holes and backfill.					
32 31 56 00-0002			Fence Posts <small>(32 31 56 00-0001)</small>		
32 31 56 00-0003			Fence Post Soil, Set In Concrete <small>(32 31 56 00-0002)</small>		
32 31 56 00-0004	EA		Barbed Wire Fence Post, Galvanized Set In Concrete In Soil <i>For Bracing On Corner Post, End Post And Pull Post, Add</i>	65.59 105.03	6.36

32 Exterior Improvements**32 30 Site Improvements****32 31 Fences And Gates**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 56 00-0005 EA Barbed Wire Fence Post, Vinyl Coated Set In Concrete In Soil <i>For Bracing On Corner Post, End Post And Pull Post, Add</i>	85.92 138.98	6.36
32 31 56 00-0006 Post In Rock <small>(32 31 56 00-0002)</small>		
32 31 56 00-0007 EA Barbed Wire Fence Post, Galvanized Grouted In Rock <i>For Bracing On Corner Post, End Post And Pull Post, Add</i>	64.20 102.94	6.36
32 31 56 00-0008 EA Barbed Wire Fence Post, Vinyl Coated Grouted In Rock <i>For Bracing On Corner Post, End Post And Pull Post, Add</i>	84.53 136.89	6.36
32 31 56 00-0009 Studded Steel T-Posts, Enamel Paint Finish <small>(32 31 56 00-0001)</small>		
Note: Posts for barb wire, chain link or welded wire mesh.		
32 31 56 00-0010 EA 5' Studded Steel T-Post, Driven Into Earth	19.27	
32 31 56 00-0011 EA 5'-6" Studded Steel T-Post, Driven Into Earth	19.73	
32 31 56 00-0012 EA 6' Studded Steel T-Post, Driven Into Earth	20.49	
32 31 56 00-0013 EA 6'-6" Studded Steel T-Post, Driven Into Earth	21.25	
32 31 56 00-0014 EA 7' Studded Steel T-Post, Driven Into Earth	22.21	
32 31 56 00-0015 EA 8' Studded Steel T-Post, Driven Into Earth	24.76	
32 31 56 00-0016 EA 10' Studded Steel T-Post, Driven Into Earth	29.19	
32 31 56 00-0017 Barbed Wire <small>(32 31 56 00-0001)</small>		
Note: Per strand.		
32 31 56 00-0018 LF Galvanized Barbed Wire For Wild Life Deterrent Fencing, Per Strand	0.69	0.32
32 31 56 00-0019 LF Vinyl Coated Barbed Wire, For Wild Life Deterrent Fencing, Per Strand	0.77	0.32
32 31 56 00-0020 Barbed Wire Fence, Farm Style, With Wood Posts <small>(32 31 56 00-0001)</small>		
Note: Based on post at 10' centers, two corner post and two pull post per 300 lf.		
32 31 56 00-0021 LF 4'-6" Height, Three (3) Strand Barbed Wire Fence With Wood Posts	8.15	2.07
Note: Posts at 10' maximum.		
32 32 Retaining Walls <small>(32 30)</small>		
32 32 13 Cast-In-Place Concrete Retaining Wall <small>(32 32)</small>		
Note: System elements include all necessary forms (4 uses), 3000 PSI concrete with an 8" chute, all necessary reinforcing steel, and underdrain. Exposed concrete is patched and rubbed. Excludes initial site grading, subbase preparation or finish grading.		
32 32 13 00-0001 LF 4' High With Base, 10" Thick Reinforced	300.32	105.46
<i>For >3:1 Sloped Soil At Top, Add</i>		
	7.60	
32 32 13 00-0002 LF 6' High With Base, 10" Thick Reinforced	375.14	129.78
<i>For >3:1 Sloped Soil At Top, Add</i>		
	9.82	
32 32 13 00-0003 LF 8' High With Base, 10" Thick Reinforced	409.06	139.98
<i>For >3:1 Sloped Soil At Top, Add</i>		
	10.97	
32 32 13 00-0004 LF 10' High With Base, 13" Thick Reinforced	522.67	173.08
<i>For >3:1 Sloped Soil At Top, Add</i>		
	15.01	
32 32 13 00-0005 LF 12' High With Base, 14" Thick Reinforced	602.55	198.80
<i>For >3:1 Sloped Soil At Top, Add</i>		
	17.41	
32 32 13 00-0006 LF 16' High With Base, 16" Thick Reinforced	870.48	291.65
<i>For >3:1 Sloped Soil At Top, Add</i>		
	24.42	
32 32 13 00-0007 LF 20' High With Base, 18" Thick Reinforced	1,194.30	402.64
<i>For >3:1 Sloped Soil At Top, Add</i>		
	33.06	
32 32 13 00-0008 LF 4' High With Base, 12" Thick Reinforced	330.23	115.17
<i>For >3:1 Sloped Soil At Top, Add</i>		
	8.49	
32 32 13 00-0009 LF 6' High With Base, 12" Thick Reinforced	404.90	138.77
<i>For >3:1 Sloped Soil At Top, Add</i>		
	10.83	
32 32 13 00-0010 LF 8' High With Base, 12" Thick Reinforced	429.36	144.79
<i>For >3:1 Sloped Soil At Top, Add</i>		
	11.88	
32 32 13 00-0011 LF 10' High With Base, 16" Thick Reinforced	592.19	194.06
<i>For >3:1 Sloped Soil At Top, Add</i>		
	17.34	
32 32 13 00-0012 LF 12' High With Base, 18" Thick Reinforced	749.93	249.27
<i>For >3:1 Sloped Soil At Top, Add</i>		
	21.37	
32 32 13 00-0013 LF 16' High With Base, 21" Thick Reinforced	1,123.30	377.83
<i>For >3:1 Sloped Soil At Top, Add</i>		
	31.25	
32 32 13 00-0014 LF 20' High With Base, 24" Thick Reinforced	1,585.27	533.33
<i>For >3:1 Sloped Soil At Top, Add</i>		
	44.08	
32 32 16 Precast Concrete Retaining Walls <small>(32 32)</small>		
32 32 16 00-0001 Precast Retaining Walls <small>(32 32 16)</small>		
Note: Tied-back earth walls. Includes precast filter fabric, soil reinforcing mesh and cast-in-place coping. Excludes concrete leveling pad, or select earth excavation and backfill.		
32 32 16 00-0002 SF Precast Concrete Retaining Walls, 10-15' high Tied-back Earth Walls	44.35	10.19
32 32 16 00-0003 SF Precast Concrete Retaining Walls, 16-20' High Tied-back Earth Walls	44.24	8.19
32 32 16 00-0004 SF Precast Concrete Retaining Walls, 21-25' High Tied-back Earth Walls	44.95	6.82
32 32 16 00-0005 SF Precast Concrete Retaining Walls, 26-30' High Tied-back Earth Walls	48.30	6.82
32 32 16 00-0006 SF Precast Concrete Retaining Walls, >30' High Tied-back Earth Walls	50.33	5.82
32 32 23 Segmental Retaining Walls <small>(32 32)</small>		



Exterior Improvements	32	32
Site Improvements	32 30	
Retaining Walls	32 32	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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32 32 23 13 Segmental Concrete Unit Masonry Retaining Walls (32 32 23)

32 32 23 13-0001 Modular Retaining Wall Systems (32 32 23 13)

Note: Includes installation, material and manufacturer's wall design. Includes stone wall, cap stones, #57 stone backing, Geo-Grid (2/3 height of wall), miradrain and fill with earth, and compaction. Includes cap at top, pins, and installation. Excludes initial site grading, subbase preparation or finish grading.

32 32 23 13-0002 "Amastone" Type Modular Retaining Wall Systems (32 32 23 13-0001)

32 32 23 13-0003	SF	Up To 4' Height "Amastone" Type Modular Retaining Wall System.....	67.34	6.96
		<i>For >3:1 Sloped Soil At Top, Add</i>	4.54	
32 32 23 13-0004	SF	4 To 8' Height "Amastone" Type Modular Retaining Wall System.....	71.05	7.33
		<i>For >3:1 Sloped Soil At Top, Add</i>	4.79	
32 32 23 13-0005	SF	8 To 12' Height "Amastone" Type Modular Retaining Wall System.....	73.80	8.06
		<i>For >3:1 Sloped Soil At Top, Add</i>	4.90	
32 32 23 13-0006	SF	12 To 16' Height "Amastone" Type Modular Retaining Wall System.....	76.73	8.80
		<i>For >3:1 Sloped Soil At Top, Add</i>	5.03	

32 32 23 13-0007 "Diamond" Type Modular Retaining Wall Systems (32 32 23 13-0001)

32 32 23 13-0008	SF	Up To 4' Height "Diamond" Type Modular Retaining Wall System.....	70.13	6.96
		<i>For >3:1 Sloped Soil At Top, Add</i>	4.78	
32 32 23 13-0009	SF	4 To 8' Height "Diamond" Type Modular Retaining Wall System.....	73.84	7.33
		<i>For >3:1 Sloped Soil At Top, Add</i>	5.03	
32 32 23 13-0010	SF	8 To 12' Height "Diamond" Type Modular Retaining Wall System.....	76.59	8.06
		<i>For >3:1 Sloped Soil At Top, Add</i>	5.14	
32 32 23 13-0011	SF	12 To 16' Height "Diamond" Type Modular Retaining Wall System.....	79.52	8.80
		<i>For >3:1 Sloped Soil At Top, Add</i>	5.26	

32 32 23 13-0012 "Keystone" Type Modular Retaining Wall Systems (32 32 23 13-0001)

32 32 23 13-0013	SF	Up To 4' Height "Keystone" Type Modular Retaining Wall System.....	76.80	6.96
		<i>For >3:1 Sloped Soil At Top, Add</i>	5.34	
32 32 23 13-0014	SF	4 To 8' Height "Keystone" Type Modular Retaining Wall System.....	80.51	7.33
		<i>For >3:1 Sloped Soil At Top, Add</i>	5.60	
32 32 23 13-0015	SF	8 To 12' Height "Keystone" Type Modular Retaining Wall System.....	83.26	8.06
		<i>For >3:1 Sloped Soil At Top, Add</i>	5.71	
32 32 23 13-0016	SF	12 To 16' Height "Keystone" Type Modular Retaining Wall System.....	86.19	8.80
		<i>For >3:1 Sloped Soil At Top, Add</i>	5.83	

32 32 23 13-0017 "Criblock" Type Modular Retaining Wall Systems (32 32 23 13-0001)

32 32 23 13-0018	SF	Up To 4' Height "Criblock" Type Modular Retaining Wall System.....	67.34	6.96
		<i>For >3:1 Sloped Soil At Top, Add</i>	4.54	
		<i>For Gravel Backfill Instead Of Earth, Add</i>	0.25	
32 32 23 13-0019	SF	4 To 8' Height "Criblock" Type Modular Retaining Wall System.....	71.05	7.33
		<i>For >3:1 Sloped Soil At Top, Add</i>	4.79	
		<i>For Gravel Backfill Instead Of Earth, Add</i>	0.25	
32 32 23 13-0020	SF	8 To 12' Height "Criblock" Type Modular Retaining Wall System.....	73.80	8.06
		<i>For >3:1 Sloped Soil At Top, Add</i>	4.90	
		<i>For Gravel Backfill Instead Of Earth, Add</i>	0.25	
32 32 23 13-0021	SF	12 To 16' Height "Criblock" Type Modular Retaining Wall System.....	76.73	8.80
		<i>For >3:1 Sloped Soil At Top, Add</i>	5.03	
		<i>For Gravel Backfill Instead Of Earth, Add</i>	0.25	

32 32 23 13-0022 "Versa-Lok" Type Modular Retaining Wall Systems (32 32 23 13-0001)

32 32 23 13-0023	SF	Up To 4' Height "Versa-Lok" Type Modular Retaining Wall System.....	58.87	6.96
		<i>For >3:1 Sloped Soil At Top, Add</i>	3.82	
32 32 23 13-0024	SF	4 To 8' Height "Versa-Lok" Type Modular Retaining Wall System.....	65.38	7.33
		<i>For >3:1 Sloped Soil At Top, Add</i>	4.31	
32 32 23 13-0025	SF	8 To 12' Height "Versa-Lok" Type Modular Retaining Wall System.....	68.17	8.06
		<i>For >3:1 Sloped Soil At Top, Add</i>	4.42	
32 32 23 13-0026	SF	12 To 16' Height "Versa-Lok" Type Modular Retaining Wall System.....	70.58	8.80
		<i>For >3:1 Sloped Soil At Top, Add</i>	4.50	

32 32 23 13-0027 Retaining Wall Cap Block Restoration (32 32 23 13-0001)

Note: Includes removal of existing cap block and installation of new cap block to match.

32 32 23 13-0028	LF	Removal And Reinstall Retaining Wall Cap Block And Pins.....	22.84	1.06
		<i>For >3:1 Sloped Soil At Top, Add</i>		

32 32 26 Metal Crib Retaining Walls (32 32)

32 32 26 00-0001 Bin Type Retaining Wall (32 32 26)

32 32 26 00-0002 Vertical Bin Walls (32 32 26 00-0001)

Note: Excludes excavation and backfill.

32 32 26 00-0003	SF	5.5' Vertical Bin Retaining Wall, Wall Heights To 11'.....	43.89	
32 32 26 00-0004	SF	7.7' Vertical Bin Retaining Wall, Wall Heights, 8.33' To 16.33'.....	50.88	
32 32 26 00-0005	SF	9.9' Vertical Bin Retaining Wall, Wall Heights, 13.67' To 21.67'.....	59.16	
32 32 26 00-0006	SF	12.1' Vertical Bin Retain Wall, Wall Heights 17.67' To 25.67'.....	63.35	
32 32 26 00-0007	SF	14.3' Vertical Bin Retain Wall, Wall Heights 20.33' To 28.33'.....	71.12	

32 Exterior Improvements**32 30 Site Improvements****32 32 Retaining Walls**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 32 26 00-0008	SF		16.5' Vertical Bin Retain Wall, Wall Heights 20.33' To 28.33'	75.32	
32 32 26 00-0009			Battered Bin Walls <small>(32 32 26 00-0001)</small>		
			Note: Excludes excavation and backfill.		
32 32 26 00-0010	SF		5.5' Battered Bin Retain Wall, Wall Heights To 11'	40.37	
32 32 26 00-0011	SF		7.7' Battered Bin Retain Wall, Wall Heights 8.33' To 16.33'	43.17	
32 32 26 00-0012	SF		9.9' Battered Bin Retain Wall, Wall Heights 13.67' To 21.67'	48.57	
32 32 26 00-0013	SF		12.1' Battered Bin Retain Wall, Wall Heights 17.67' To 25.67'	53.46	
32 32 26 00-0014	SF		14.3' Battered Bin Retain Wall, Wall Heights 20.33' To 28.33'	62.70	
32 32 26 00-0015	SF		16.5' Battered Bin Retain Wall, Wall Heights 20.33' To 28.33'	64.10	
32 32 26 00-0016			Aluminized Steel Bin <small>(32 32 26)</small>		
			Note: Excludes excavation and backfill.		
32 32 26 00-0017	SF		4' High, 5.5' Deep Aluminized Steel Bin	32.78	3.87
			For >3:1 Sloped Soil At Top, Add	2.13	
			For Galvanized Type, Deduct	-2.51	
32 32 26 00-0018	SF		8' High, 5.5' Deep Aluminized Steel Bin	36.66	3.87
			For >3:1 Sloped Soil At Top, Add	2.45	
			For Galvanized Type, Deduct	-2.89	
32 32 26 00-0019	SF		10' High, 7.7' Deep Aluminized Steel Bin	39.16	4.23
			For >3:1 Sloped Soil At Top, Add	2.61	
			For Galvanized Type, Deduct	-3.08	
32 32 26 00-0020	SF		12' High, 7.7' Deep Aluminized Steel Bin	44.59	4.77
			For >3:1 Sloped Soil At Top, Add	2.98	
			For Galvanized Type, Deduct	-3.51	
32 32 26 00-0021	SF		16' High, 7.7' Deep Aluminized Steel Bin	42.99	4.94
			For >3:1 Sloped Soil At Top, Add	2.82	
			For Galvanized Type, Deduct	-3.32	
32 32 26 00-0022	SF		16' High, 9.9' Deep Aluminized Steel Bin	47.87	5.04
			For >3:1 Sloped Soil At Top, Add	3.22	
			For Galvanized Type, Deduct	-3.79	
32 32 26 00-0023	SF		20' High, 9.9' Deep Aluminized Steel Bin	53.07	5.31
			For >3:1 Sloped Soil At Top, Add	3.60	
			For Galvanized Type, Deduct	-4.24	
32 32 26 00-0024	SF		20' High, 12.1' Deep Aluminized Steel Bin	54.35	5.57
			For >3:1 Sloped Soil At Top, Add	3.68	
			For Galvanized Type, Deduct	-4.33	
32 32 26 00-0025	SF		24' High, 12.1' Deep Aluminized Steel Bin	57.15	5.57
			For >3:1 Sloped Soil At Top, Add	3.91	
			For Galvanized Type, Deduct	-4.60	
32 32 26 00-0026	SF		24' High, 14.3' Deep Aluminized Steel Bin	59.93	5.67
			For >3:1 Sloped Soil At Top, Add	4.14	
			For Galvanized Type, Deduct	-4.87	
32 32 26 00-0027	SF		28' High, 14.3' Deep Aluminized Steel Bin	61.93	5.76
			For >3:1 Sloped Soil At Top, Add	4.29	
			For Galvanized Type, Deduct	-5.05	
32 32 29			Timber Retaining Walls <small>(32 32)</small>		
32 32 29 00-0001			Wood Post Retaining Walls <small>(32 32 29)</small>		
			Note: System elements include wood posts installed side-by-side to various heights, and underdrain. Excludes initial site grading, subbase preparation or finish grading.		
32 32 29 00-0002	LF		4' x 4", 1' High, Redwood	77.35	23.33
			For >3:1 Sloped Soil At Top, Add	2.62	
32 32 29 00-0003	LF		4' x 4", 2' High, Redwood	151.30	45.67
			For >3:1 Sloped Soil At Top, Add	5.10	
32 32 29 00-0004	LF		4' x 4", 1' High, Cedar	73.42	23.33
			For >3:1 Sloped Soil At Top, Add	2.28	
32 32 29 00-0005	LF		4' x 4", 2' High, Cedar	143.66	45.67
			For >3:1 Sloped Soil At Top, Add	4.45	
32 32 29 00-0006	LF		4' x 4", 1' High, Pressure Treated Lumber	70.28	20.38
			For >3:1 Sloped Soil At Top, Add	2.50	
32 32 29 00-0007	LF		4' x 4", 2' High, Pressure Treated Lumber	137.60	39.85
			For >3:1 Sloped Soil At Top, Add	4.92	
32 32 29 00-0008	LF		4' x 4", 1' High, Creosoted Lumber	62.16	18.09
			For >3:1 Sloped Soil At Top, Add	2.21	
32 32 29 00-0009	LF		4' x 4", 2' High, Creosoted Lumber	112.40	32.74
			For >3:1 Sloped Soil At Top, Add	3.99	
32 32 29 00-0010	LF		6 x 6, 2' High, Redwood	211.04	55.33
			For >3:1 Sloped Soil At Top, Add	8.53	
32 32 29 00-0011	LF		6 x 6, 4' High, Redwood	417.61	108.44
			For >3:1 Sloped Soil At Top, Add	17.07	
32 32 29 00-0012	LF		6 x 6, 2' High, Cedar	206.68	55.33
			For >3:1 Sloped Soil At Top, Add	8.16	
32 32 29 00-0013	LF		6 x 6, 4' High, Cedar	406.70	108.44
			For >3:1 Sloped Soil At Top, Add	16.14	
32 32 29 00-0014	LF		6 x 6, 2' High, Pressure Treated Lumber	183.75	44.93
			For >3:1 Sloped Soil At Top, Add	7.98	
32 32 29 00-0015	LF		6 x 6, 4' High, Pressure Treated Lumber	365.20	88.72
			For >3:1 Sloped Soil At Top, Add	15.96	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 32 29 00-0016	LF		6 x 6, 2' High, Creosoted Lumber <i>For >3:1 Sloped Soil At Top, Add</i>	147.23 6.40	35.93
32 32 29 00-0017	LF		6 x 6, 4' High, Creosoted Lumber <i>For >3:1 Sloped Soil At Top, Add</i>	290.11 12.71	70.31
32 32 29 00-0018	LF		8 x 8, 4' High, Redwood..... <i>For >3:1 Sloped Soil At Top, Add</i>	538.88 25.42	119.90
32 32 29 00-0019	LF		8 x 8, 6' High, Redwood..... <i>For >3:1 Sloped Soil At Top, Add</i>	1,008.58 47.68	223.84
32 32 29 00-0020	LF		8 x 8, 4' High, Cedar..... <i>For >3:1 Sloped Soil At Top, Add</i>	517.05 23.56	119.90
32 32 29 00-0021	LF		8 x 8, 6' High, Cedar..... <i>For >3:1 Sloped Soil At Top, Add</i>	967.10 44.16	223.84
32 32 29 00-0022	LF		8 x 8, 4' High, Pressure Treated Lumber <i>For >3:1 Sloped Soil At Top, Add</i>	499.29 18.92	138.31
32 32 29 00-0023	LF		8 x 8, 6' High, Pressure Treated Lumber <i>For >3:1 Sloped Soil At Top, Add</i>	931.31 35.25	258.29
32 32 29 00-0024	LF		8 x 8, 4' High, Creosoted Lumber <i>For >3:1 Sloped Soil At Top, Add</i>	403.65 15.31	111.80
32 32 29 00-0025	LF		8 x 8, 6' High, Creosoted Lumber <i>For >3:1 Sloped Soil At Top, Add</i>	748.65 28.39	207.39
32 32 29 00-0026	LF		Random Diameter Poles, Cedar 4' High..... <i>For >3:1 Sloped Soil At Top, Add</i>	146.79 4.64	46.07
32 32 29 00-0027	LF		Random Diameter Poles, Cedar 6' High..... <i>For >3:1 Sloped Soil At Top, Add</i>	219.09 6.86	69.16
32 32 29 00-0028	LF		Random Diameter Poles, Cedar 8' High..... <i>For >3:1 Sloped Soil At Top, Add</i>	291.31 9.09	92.15
32 32 29 00-0029	LF		Random Diameter Poles, 4' High Creosoted Lumber <i>For >3:1 Sloped Soil At Top, Add</i>	105.58 4.55	26.02
32 32 29 00-0030	LF		Random Diameter Poles, 6' High Creosoted Lumber <i>For >3:1 Sloped Soil At Top, Add</i>	153.74 6.68	37.56
32 32 29 00-0031	LF		Random Diameter Poles, 8' High..... <i>For >3:1 Sloped Soil At Top, Add</i>	208.37 9.09	50.74

32 32 29 00-0032

Post And Board Retaining Walls (32 32 29)

Note: System includes all the elements that must go into a wall that resists lateral pressure. System elements include posts and boards, cap, underdrain, and deadman where required. Excludes initial site grading, subbase preparation or finish grading.

32 32 29 00-0033	LF		4 x 4 Post, 4' Spacing, 3' High Redwood, 2" Planking..... <i>For >3:1 Sloped Soil At Top, Add</i>	67.29 3.37	13.83
32 32 29 00-0034	LF		4 x 4 Post, 2' Spacing, 4' High 2" Planking, Redwood..... <i>For >3:1 Sloped Soil At Top, Add</i>	100.74 4.55	23.65
32 32 29 00-0035	LF		6 x 6 Post, 4' Spacing, 5' High 2" Planking, Redwood..... <i>For >3:1 Sloped Soil At Top, Add</i>	134.09 6.40	29.38
32 32 29 00-0036	LF		6 x 6 Post, 3' Spacing, 6' High 2" Planking, Redwood..... <i>For >3:1 Sloped Soil At Top, Add</i>	186.91 8.81	41.66
32 32 29 00-0037	LF		6 x 6 With Deadman, 3' Spacing, 8' High 2" Planking, Redwood..... <i>For >3:1 Sloped Soil At Top, Add</i>	244.77 11.60	54.18
32 32 29 00-0038	LF		8 x 8 Post, 2' Spacing, 8' High 2" Planking, Redwood..... <i>For >3:1 Sloped Soil At Top, Add</i>	506.90 24.86	107.21
32 32 29 00-0039	LF		8 x 8 With Deadman, 2' Spacing, 9' High, 2" Planking, Redwood..... <i>For >3:1 Sloped Soil At Top, Add</i>	575.77 28.76	118.75
32 32 29 00-0040	LF		4 x 4 Post, 4' Spacing, 3' High, 2" Planking, Cedar..... <i>For >3:1 Sloped Soil At Top, Add</i>	67.89 3.32	14.40
32 32 29 00-0041	LF		4 x 4 With Deadman, 2' Spacing, 4' High 2" Planking, Cedar..... <i>For >3:1 Sloped Soil At Top, Add</i>	118.85 5.75	25.62
32 32 29 00-0042	LF		6 x 6 Post, 4' Spacing, 4' High 2" Planking, Cedar..... <i>For >3:1 Sloped Soil At Top, Add</i>	116.83 5.66	25.13
32 32 29 00-0043	LF		6 x 6 Post, 3' Spacing, 5' High 2" Planking, Cedar..... <i>For >3:1 Sloped Soil At Top, Add</i>	162.75 7.70	36.10
32 32 29 00-0044	LF		6 x 6 Post, 2' Spacing, 6' High 2" Planking, Cedar..... <i>For >3:1 Sloped Soil At Top, Add</i>	251.69 11.60	57.62
32 32 29 00-0045	LF		6 x 6 Post With Deadman, 3' Spacing, 6' High, 2" Planking, Cedar..... <i>For >3:1 Sloped Soil At Top, Add</i>	200.94 9.55	44.28
32 32 29 00-0046	LF		8 x 8 Post With Deadman, 2' Spacing, 8' High, 2" Planking, Cedar..... <i>For >3:1 Sloped Soil At Top, Add</i>	524.67 25.79	110.65
32 32 29 00-0047	LF		4 x 4 Post, 4' Spacing, 3' High 2" Planking, Pressure Treated..... <i>For >3:1 Sloped Soil At Top, Add</i>	75.63 1.90	26.60
32 32 29 00-0048	LF		4 x 4 Post, 3' Spacing, 4' High 2" Planking, Pressure Treated..... <i>For >3:1 Sloped Soil At Top, Add</i>	110.23 2.94	37.81
32 32 29 00-0049	LF		4 x 4 Post With Deadman, 2' Space, 5' High, 2" Planking, Pressure Treat..... <i>For >3:1 Sloped Soil At Top, Add</i>	163.75 5.10	51.88
32 32 29 00-0050	LF		6 x 6 Post, 3' Spacing, 6' High, 2" Planking, Pressure Treated..... <i>For >3:1 Sloped Soil At Top, Add</i>	291.95 9.93	87.57
32 32 29 00-0051	LF		6 x 6 Post, 2' Spacing, 7' High, 2" Planking, Pressure Treated..... <i>For >3:1 Sloped Soil At Top, Add</i>	297.41 10.39	87.57
32 32 29 00-0052	LF		6 x 6 Post With Deadman, 3' Spacing 8' High, 2" Planking, Pressure Treat..... <i>For >3:1 Sloped Soil At Top, Add</i>	277.44 9.28	84.14
32 32 29 00-0053	LF		8 x 8 Post With Deadman, 2' Spacing 10' High, 2" Planking, Pressure Treated..... <i>For >3:1 Sloped Soil At Top, Add</i>	657.71 23.01	193.56
32 32 29 00-0054	LF		4 x 4 Post, 4' Spacing, 3' High Creosoted 2" Planking..... <i>For >3:1 Sloped Soil At Top, Add</i>	75.63 1.90	26.60
32 32 29 00-0055	LF		4 x 4 Post, 3' Spacing, 4' High Creosoted, 2" Planking..... <i>For >3:1 Sloped Soil At Top, Add</i>	110.23 2.94	37.81

32 Exterior Improvements**32 30 Site Improvements****32 32 Retaining Walls**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 32 29 00-0056 LF 4 x 4 Post With Deadman, 2' Spacing, 5' High, Creosoted, 2" Planking	163.75	51.88
For >3:1 Sloped Soil At Top, Add	5.10	
32 32 29 00-0057 LF 6 x 6 Post, 3' Spacing, 6' High Creosoted, 2" Planking	206.57	64.58
For >3:1 Sloped Soil At Top, Add	6.59	
32 32 29 00-0058 LF 6 x 6 Post, 2' Spacing, 7' High Creosoted, 2" Planking	291.95	87.57
For >3:1 Sloped Soil At Top, Add	9.93	
32 32 29 00-0059 LF 6 x 6 Post With Deadman, 3' Spacing, 8' High, Creosoted, 2" Planking	277.44	84.14
For >3:1 Sloped Soil At Top, Add	9.28	
32 32 29 00-0060 LF 8 x 8 Post With Deadman, 2' Spacing, 10' High, Creosoted, 2" Planking	657.71	193.56
For >3:1 Sloped Soil At Top, Add	23.01	
32 32 29 00-0061 Wood Tie Retaining Walls, Rod Connector At 4' ^(32 32 29)		
Note: The system includes all the elements that must go into a wall that resists lateral pressure. System elements include: wood ties, threaded rod (1/2" diameter), underdrain, and deadman where required. Excludes initial site grading, subbase preparation or finish grading.		
32 32 29 00-0062 Redwood ^(32 32 29 00-0061)		
32 32 29 00-0063 LF 2' High, 6" x 6" Wood Tie Wall	109.08	28.32
For >3:1 Sloped Soil At Top, Add	4.45	
32 32 29 00-0064 LF 4' High, 6" x 6" Wood Tie Wall Deadman At 6'	249.13	64.58
For >3:1 Sloped Soil At Top, Add	10.20	
32 32 29 00-0065 LF 6' High, 6" x 6" Wood Tie Wall Deadman At 6'	372.66	96.82
For >3:1 Sloped Soil At Top, Add	15.21	
32 32 29 00-0066 LF 4' High, 8" x 8" Wood Tie Wall Deadman At 6'	373.32	82.99
For >3:1 Sloped Soil At Top, Add	17.63	
32 32 29 00-0067 LF 6' High, 8" x 8" Wood Tie Wall Deadman At 6'	561.16	124.48
For >3:1 Sloped Soil At Top, Add	26.53	
32 32 29 00-0068 LF 8' High, 8" x 8" Wood Tie Wall Deadman At 6'	742.04	163.69
For >3:1 Sloped Soil At Top, Add	35.25	
32 32 29 00-0069 Cedar ^(32 32 29 00-0061)		
32 32 29 00-0070 LF 2' High, 6" x 6" Wood Tie Wall	106.90	28.32
For >3:1 Sloped Soil At Top, Add	4.27	
32 32 29 00-0071 LF 4' High, 6" x 6" Wood Tie Wall Deadman At 6'	242.58	64.58
For >3:1 Sloped Soil At Top, Add	9.65	
32 32 29 00-0072 LF 6' High, 6" x 6" Wood Tie Wall Deadman At 6'	363.93	96.82
For >3:1 Sloped Soil At Top, Add	14.47	
32 32 29 00-0073 LF 4' High, 8" x 8" Wood Tie Wall Deadman At 6'	358.04	82.99
For >3:1 Sloped Soil At Top, Add	16.33	
32 32 29 00-0074 LF 6' High, 8" x 8" Wood Tie Wall Deadman At 6'	539.33	124.48
For >3:1 Sloped Soil At Top, Add	24.68	
32 32 29 00-0075 LF 8' High, 8" x 8" Wood Tie Wall Deadman At 6'	711.49	163.69
For >3:1 Sloped Soil At Top, Add	32.65	
32 32 29 00-0076 Creosoted Wood ^(32 32 29 00-0061)		
32 32 29 00-0077 LF 2' High, 6" x 8" Wood Tie Wall	112.38	37.56
For >3:1 Sloped Soil At Top, Add	3.16	
32 32 29 00-0078 LF 4' High, 6" x 8" Wood Tie Wall Deadman At 6'	256.95	86.43
For >3:1 Sloped Soil At Top, Add	7.14	
32 32 29 00-0079 LF 6' High, 6" x 8" Wood Tie Wall Deadman At 6'	381.36	127.92
For >3:1 Sloped Soil At Top, Add	10.67	
32 32 29 00-0080 LF 4' High, 7" x 9" Wood Tie Wall Deadman At 6'	516.12	174.00
For >3:1 Sloped Soil At Top, Add	14.29	
32 32 29 00-0081 LF 6' High, 7" x 9" Wood Tie Wall Deadman At 6'	751.38	253.47
For >3:1 Sloped Soil At Top, Add	20.78	
32 32 29 00-0082 LF 8' High, 7" x 9" Wood Tie Wall Deadman At 6'	997.35	336.04
For >3:1 Sloped Soil At Top, Add	27.64	
32 32 29 00-0083 Pressure Treated Wood ^(32 32 29 00-0061)		
32 32 29 00-0084 LF 2' High, 6" x 6" Wood Tie Wall	96.02	23.41
For >3:1 Sloped Soil At Top, Add	4.18	
32 32 29 00-0085 LF 4' High, 6" x 6" Wood Tie Wall Deadman At 6'	218.45	53.03
For >3:1 Sloped Soil At Top, Add	9.55	
32 32 29 00-0086 LF 6' High, 6" x 6" Wood Tie Wall Deadman At 6'	327.12	79.55
For >3:1 Sloped Soil At Top, Add	14.29	
32 32 29 00-0087 LF 4' High, 8" x 8" Wood Tie Wall Deadman At 6'	345.15	95.67
For >3:1 Sloped Soil At Top, Add	13.08	
32 32 29 00-0088 LF 6' High, 8" x 8" Wood Tie Wall Deadman At 6'	519.44	142.98
For >3:1 Sloped Soil At Top, Add	19.85	
32 32 29 00-0089 LF 8' High, 8" x 8" Wood Tie Wall Deadman At 6'	687.95	190.12
For >3:1 Sloped Soil At Top, Add	26.16	

32 32 53 Stone Retaining Walls ^(32 32)**32 32 53 00-0001 Stone Retaining Walls ^(32 32 53)**

Note: Construction is either dry set or mortar set. System elements include concrete base, crushed stone, underdrain, and backfill. Standard design to have 12" thick top with vertical backside and sloped face at 2" per foot of height. Excludes initial site grading, subbase preparation or finish grading.



		Exterior Improvements	32
		Site Improvements	32 30
		Retaining Walls	32 32

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 32 53 00-0002 Stone Retaining Walls <small>(32 32 53 00-0001)</small>		
Note: Stone at \$16.00/ton.		
32 32 53 00-0003 LF \$16.00/ton 3' High Stone Retaining Wall, Dry Set	355.47	164.99
For >3:1 Sloped Soil At Top, Add	2.16	
32 32 53 00-0004 LF \$16.00/ton 4' High Stone Retaining Wall, Dry Set	420.42	196.29
For >3:1 Sloped Soil At Top, Add	2.36	
32 32 53 00-0005 LF \$16.00/ton 6' High Stone Retaining Wall, Dry Set	554.09	260.79
For >3:1 Sloped Soil At Top, Add	2.77	
32 32 53 00-0006 LF \$16.00/ton 8' High Stone Retaining Wall, Dry Set	857.55	407.75
For >3:1 Sloped Soil At Top, Add	3.57	
32 32 53 00-0007 LF \$16.00/ton 10' High Stone Retaining Wall, Dry Set	1,116.49	533.38
For >3:1 Sloped Soil At Top, Add	4.22	
32 32 53 00-0008 LF \$16.00/ton 12' High Stone Retaining Wall, Dry Set	1,387.03	664.21
For >3:1 Sloped Soil At Top, Add	4.98	
32 32 53 00-0009 LF \$16.00/ton 3' High Stone Retaining Wall, Mortar Set.....	317.59	146.08
For >3:1 Sloped Soil At Top, Add	2.16	
32 32 53 00-0010 LF \$16.00/ton 4' High Stone Retaining Wall, Mortar Set.....	373.51	172.83
For >3:1 Sloped Soil At Top, Add	2.36	
32 32 53 00-0011 LF \$16.00/ton 6' High Stone Retaining Wall, Mortar Set.....	484.84	226.12
For >3:1 Sloped Soil At Top, Add	2.77	
32 32 53 00-0012 LF \$16.00/ton 8' High Stone Retaining Wall, Mortar Set.....	746.09	352.05
For >3:1 Sloped Soil At Top, Add	3.57	
32 32 53 00-0013 LF \$16.00/ton 10' High Stone Retaining Wall, Mortar Set.....	960.15	455.25
For >3:1 Sloped Soil At Top, Add	4.22	
32 32 53 00-0014 LF \$16.00/ton 12' High Stone Retaining Wall, Mortar Set.....	1,194.18	567.83
For >3:1 Sloped Soil At Top, Add	4.98	
32 32 53 00-0015 Stone Retaining Walls <small>(32 32 53 00-0001)</small>		
Note: Stone at \$32.00/ton.		
32 32 53 00-0016 LF \$32.00/ton 3' High Stone Retaining Wall, Dry Set	363.16	164.99
For >3:1 Sloped Soil At Top, Add	2.82	
32 32 53 00-0017 LF \$32.00/ton 4' High Stone Retaining Wall, Dry Set	431.06	196.29
For >3:1 Sloped Soil At Top, Add	3.27	
32 32 53 00-0018 LF \$32.00/ton 6' High Stone Retaining Wall, Dry Set	569.47	260.79
For >3:1 Sloped Soil At Top, Add	4.07	
32 32 53 00-0019 LF \$32.00/ton 8' High Stone Retaining Wall, Dry Set	880.03	407.75
For >3:1 Sloped Soil At Top, Add	5.48	
32 32 53 00-0020 LF \$32.00/ton 10' High Stone Retaining Wall, Dry Set	1,147.25	533.38
For >3:1 Sloped Soil At Top, Add	6.84	
32 32 53 00-0021 LF \$32.00/ton 12' High Stone Retaining Wall, Dry Set	1,426.07	664.21
For >3:1 Sloped Soil At Top, Add	8.30	
32 32 53 00-0022 LF \$32.00/ton 3' High Stone Retaining Wall, Mortar Set.....	325.28	146.08
For >3:1 Sloped Soil At Top, Add	2.82	
32 32 53 00-0023 LF \$32.00/ton 4' High Stone Retaining Wall, Mortar Set.....	384.15	172.83
For >3:1 Sloped Soil At Top, Add	3.27	
32 32 53 00-0024 LF \$32.00/ton 6' High Stone Retaining Wall, Mortar Set.....	500.22	226.12
For >3:1 Sloped Soil At Top, Add	4.07	
32 32 53 00-0025 LF \$32.00/ton 8' High Stone Retaining Wall, Mortar Set.....	768.57	352.05
For >3:1 Sloped Soil At Top, Add	5.48	
32 32 53 00-0026 LF \$32.00/ton 10' High Stone Retaining Wall, Mortar Set.....	990.91	455.25
For >3:1 Sloped Soil At Top, Add	6.84	
32 32 53 00-0027 LF \$32.00/ton 12' High Stone Retaining Wall, Mortar Set.....	1,233.22	567.83
For >3:1 Sloped Soil At Top, Add	8.30	
32 32 53 00-0028 Stone Retaining Walls <small>(32 32 53 00-0001)</small>		
Note: Stone at \$48.00/ton.		
32 32 53 00-0029 LF \$48.00/ton 3' High Stone Retaining Wall, Dry Set	371.44	164.99
For >3:1 Sloped Soil At Top, Add	3.52	
32 32 53 00-0030 LF \$48.00/ton 4' High Stone Retaining Wall, Dry Set	441.59	196.29
For >3:1 Sloped Soil At Top, Add	4.16	
32 32 53 00-0031 LF \$48.00/ton 6' High Stone Retaining Wall, Dry Set	584.25	260.79
For >3:1 Sloped Soil At Top, Add	5.33	
32 32 53 00-0032 LF \$48.00/ton 8' High Stone Retaining Wall, Dry Set	902.50	407.75
For >3:1 Sloped Soil At Top, Add	7.39	
32 32 53 00-0033 LF \$48.00/ton 10' High Stone Retaining Wall, Dry Set	1,178.00	533.38
For >3:1 Sloped Soil At Top, Add	9.45	
32 32 53 00-0034 LF \$48.00/ton 12' High Stone Retaining Wall, Dry Set	1,465.70	664.21
For >3:1 Sloped Soil At Top, Add	11.66	
32 32 53 00-0035 LF \$48.00/ton 3' High Stone Retaining Wall, Mortar Set.....	333.56	146.08
For >3:1 Sloped Soil At Top, Add	3.52	
32 32 53 00-0036 LF \$48.00/ton 4' High Stone Retaining Wall, Mortar Set.....	394.80	172.83
For >3:1 Sloped Soil At Top, Add	4.17	
32 32 53 00-0037 LF \$48.00/ton 6' High Stone Retaining Wall, Mortar Set.....	515.00	226.12
For >3:1 Sloped Soil At Top, Add	5.33	
32 32 53 00-0038 LF \$48.00/ton 8' High Stone Retaining Wall, Mortar Set.....	791.04	352.05
For >3:1 Sloped Soil At Top, Add	7.39	
32 32 53 00-0039 LF \$48.00/ton 10' High Stone Retaining Wall, Mortar Set.....	1,021.66	455.25
For >3:1 Sloped Soil At Top, Add	9.45	
32 32 53 00-0040 LF \$48.00/ton 12' High Stone Retaining Wall, Mortar Set.....	1,272.85	567.83
For >3:1 Sloped Soil At Top, Add	11.66	

32 Exterior Improvements**32 30 Site Improvements****32 32 Retaining Walls**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 32 53 00-0041 Stone Retaining Walls (32 32 53 00-0001) Note: Stone at \$64.00/ton.		
32 32 53 00-0042 LF \$64.00/ton 3' High Stone Retaining Wall, Dry Set.....	379.72	164.99
For >3:1 Sloped Soil At Top, Add	4.22	
32 32 53 00-0043 LF \$64.00/ton 4' High Stone Retaining Wall, Dry Set.....	440.53	196.29
For >3:1 Sloped Soil At Top, Add	4.07	
32 32 53 00-0044 LF \$64.00/ton 6' High Stone Retaining Wall, Dry Set.....	600.22	260.79
For >3:1 Sloped Soil At Top, Add	6.69	
32 32 53 00-0045 LF \$64.00/ton 8' High Stone Retaining Wall, Dry Set.....	926.16	407.75
For >3:1 Sloped Soil At Top, Add	9.40	
32 32 53 00-0046 LF \$64.00/ton 10' High Stone Retaining Wall, Dry Set.....	1,209.94	533.38
For >3:1 Sloped Soil At Top, Add	12.17	
32 32 53 00-0047 LF \$64.00/ton 12' High Stone Retaining Wall, Dry Set.....	1,505.92	664.21
For >3:1 Sloped Soil At Top, Add	15.08	
32 32 53 00-0048 LF \$64.00/ton 3' High Stone Retaining Wall, Mortar Set.....	341.84	146.08
For >3:1 Sloped Soil At Top, Add	4.22	
32 32 53 00-0049 LF \$64.00/ton 4' High Stone Retaining Wall, Mortar Set.....	405.45	172.83
For >3:1 Sloped Soil At Top, Add	5.08	
32 32 53 00-0050 LF \$64.00/ton 6' High Stone Retaining Wall, Mortar Set.....	530.97	226.12
For >3:1 Sloped Soil At Top, Add	6.69	
32 32 53 00-0051 LF \$64.00/ton 8' High Stone Retaining Wall, Mortar Set.....	814.70	352.05
For >3:1 Sloped Soil At Top, Add	9.40	
32 32 53 00-0052 LF \$64.00/ton 10' High Stone Retaining Wall, Mortar Set.....	1,053.60	455.25
For >3:1 Sloped Soil At Top, Add	12.17	
32 32 53 00-0053 LF \$64.00/ton 12' High Stone Retaining Wall, Mortar Set.....	1,313.07	567.83
For >3:1 Sloped Soil At Top, Add	15.08	
32 33 Site Furnishings (32 30)		
32 33 13 Site Bicycle Racks (32 33)		
32 33 13 00-0001 Bicycle Organizer And Rack (32 33 13)		
32 33 13 00-0002 Vertical Style Bike Racks Single/Double Sided, Galvanized (32 33 13 00-0001)		
32 33 13 00-0003 Double Sided (32 33 13 00-0002)		
32 33 13 00-0004 EA 5' Galvanized Steel Double Sided Bike Rack, 9 Bikes.....	488.32	101.49
32 33 13 00-0005 EA 10' Galvanized Steel Double Sided Bike Rack, 9 Bikes.....	742.08	166.73
32 33 13 00-0006 EA 20' Galvanized Steel Double Sided Bike Rack, 36 Bikes.....	1,265.39	253.72
32 33 13 00-0007 Single Sided (32 33 13 00-0002)		
32 33 13 00-0008 EA 5' Galvanized Steel Single Sided Bike Rack, 5 Bikes.....	428.11	90.61
32 33 13 00-0009 EA 10' Galvanized Steel Single Sided Bike Rack, 18 Bikes.....	612.95	150.78
32 33 13 00-0010 EA 20' Galvanized Steel Single Sided Bike Rack, 18 Bikes.....	1,040.33	226.54
32 33 13 00-0011 Anchor Set For Vertical Style Bike Rack (32 33 13 00-0002)		
32 33 13 00-0012 PR Anchor Set For Vertical Style Bike Rack.....	87.07	
Note: Anchoring frame to ground.		
32 33 13 00-0013 Bike Racks Ground Loop (32 33 13 00-0001)		
Note: In-ground mount.		
32 33 13 00-0014 EA 83" Ground Loop Bike Rack, Surface Or Wall Mounted, 12 Bikes.....	678.35	177.82
32 33 13 00-0015 Serpentine Bike Racks (32 33 13 00-0001)		
Note: In-ground mount.		
32 33 13 00-0016 Galvanized, 36" High, 2-3/8" OD Tubing (32 33 13 00-0015)		
32 33 13 00-0017 EA 1' x 3' High Serpentine (M Style) Bike Rack, 3 Bikes, Galvanized.....	381.96	108.73
32 33 13 00-0018 EA 3' x 3' High Serpentine (M Style) Bike Rack, 5 Bikes, Galvanized.....	505.70	117.80
32 33 13 00-0019 EA 5' x 3' High Serpentine (M Style) Bike Rack, 7 Bikes, Galvanized.....	629.46	126.86
32 33 13 00-0020 EA 7' x 3' High Serpentine (M Style) Bike Rack, 9 Bikes, Galvanized.....	768.29	135.92
32 33 13 00-0021 EA 9' x 3' High Serpentine (M Style) Bike Rack, 11 Bikes, Galvanized.....	907.13	144.98
32 33 13 00-0022 EA 11' x 3' High Serpentine (M Style) Bike Rack, 13 Bikes, Galvanized.....	985.62	154.04
32 33 13 00-0023 Galvanized, 42" High, 2-3/8" OD Tubing (32 33 13 00-0015)		
32 33 13 00-0024 EA 1' x 42" High Serpentine Bike Rack, 3 Bikes, Galvanized.....	426.20	108.73
32 33 13 00-0025 EA 3' x 42" High Serpentine Bike Rack, 5 Bikes, Galvanized.....	537.59	117.80
32 33 13 00-0026 EA 5' x 42" High Serpentine Bike Rack, 7 Bikes, Galvanized.....	649.00	126.86
32 33 13 00-0027 EA 7' x 42" High Serpentine Bike Rack, 9 Bikes, Galvanized.....	748.75	135.92
32 33 13 00-0028 EA 9' x 42" High Serpentine Bike Rack, 11 Bikes, Galvanized.....	860.15	144.98
32 33 13 00-0029 EA 11' x 42" High Serpentine Bike Rack, 13 Bikes, Galvanized.....	994.88	154.04
32 33 13 00-0030 Powder Coated, 36" High, 2-3/8" OD Tubing (32 33 13 00-0015)		
32 33 13 00-0031 EA 1' x 3' High Serpentine (M Style) Bike Rack, 3 Bikes, Powder Coated.....	381.96	108.73
32 33 13 00-0032 EA 3' x 3' High Serpentine (M Style) Bike Rack, 5 Bikes, Powder Coated.....	505.70	117.80



		Exterior Improvements	32
		Site Improvements	32 30
		Site Furnishings	32 33

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 33 13 00-0033 EA 5' x 3' High Serpentine (M Style) Bike Rack, 7 Bikes, Powder Coated	629.46	126.86
32 33 13 00-0034 EA 7' x 3' High Serpentine (M Style) Bike Rack, 9 Bikes, Powder Coated	768.29	135.92
32 33 13 00-0035 EA 9' x 3' High Serpentine (M Style) Bike Rack, 11 Bikes, Powder Coated	907.13	144.98
32 33 13 00-0036 EA 11' x 3' High Serpentine (M Style) Bike Rack, 13 Bikes, Powder Coated	985.62	154.04
32 33 13 00-0037 Powder Coated, 42" High, 2-3/8" OD Tubing <small>(32 33 13 00-0015)</small>		
32 33 13 00-0038 EA 1' x 42" High Serpentine Bike Rack, 3 Bikes, Powder Coated	437.86	108.73
32 33 13 00-0039 EA 3' x 42" High Serpentine Bike Rack, 5 Bikes, Powder Coated	560.91	117.80
32 33 13 00-0040 EA 5' x 42" High Serpentine Bike Rack, 7 Bikes, Powder Coated	672.32	126.86
32 33 13 00-0041 EA 7' x 42" High Serpentine Bike Rack, 9 Bikes, Powder Coated	807.05	135.92
32 33 13 00-0042 EA 9' x 42" High Serpentine Bike Rack, 11 Bikes, Powder Coated	918.45	144.98
32 33 13 00-0043 EA 11' x 42" High Serpentine Bike Rack, 13 Bikes, Powder Coated	1,064.84	154.04
32 33 13 00-0044 Stainless Steel, 36" High, 2-3/8" OD Tubing <small>(32 33 13 00-0015)</small>		
32 33 13 00-0045 EA 1' x 36" High Serpentine Bike Rack, 3 Bikes, Stainless Steel	679.21	108.73
32 33 13 00-0046 EA 3' x 36" High Serpentine Bike Rack, 5 Bikes, Stainless Steel	993.84	117.80
32 33 13 00-0047 EA 5' x 36" High Serpentine Bike Rack, 7 Bikes, Stainless Steel	1,308.50	126.86
32 33 13 00-0048 EA 7' x 36" High Serpentine Bike Rack, 9 Bikes, Stainless Steel	1,665.51	135.92
32 33 13 00-0049 EA 9' x 36" High Serpentine Bike Rack, 11 Bikes, Stainless Steel	2,022.50	144.98
32 33 13 00-0050 EA 11' x 36" High Serpentine Bike Rack, 13 Bikes, Stainless Steel	2,210.08	154.04
32 33 13 00-0051 Stainless Steel, 42" High, 2-3/8" OD Tubing <small>(32 33 13 00-0015)</small>		
32 33 13 00-0052 EA 1' x 42" High Serpentine Bike Rack, 3 Bikes, Stainless Steel	542.80	108.73
32 33 13 00-0053 EA 3' x 42" High Serpentine Bike Rack, 5 Bikes, Stainless Steel	1,143.93	117.80
32 33 13 00-0054 EA 5' x 42" High Serpentine Bike Rack, 7 Bikes, Stainless Steel	1,488.55	126.86
32 33 13 00-0055 EA 7' x 42" High Serpentine Bike Rack, 9 Bikes, Stainless Steel	1,809.83	135.92
32 33 13 00-0056 EA 9' x 42" High Serpentine Bike Rack, 11 Bikes, Stainless Steel	2,142.78	144.98
32 33 13 00-0057 EA 11' x 42" High Serpentine Bike Rack, 13 Bikes, Stainless Steel	2,487.40	154.04
32 33 13 00-0058 Bike Racks Bollards/Bicycle Posts <small>(32 33 13 00-0001)</small>		
Note: In-ground mount.		
32 33 13 00-0059 EA 43" Overall Height, 4-1/2" Outside Diameter Bollard/Bicycle Post, 2 Loop Galvanized Steel Bollard (Belson BOL450-2R-IG-G)	378.62	81.55
32 33 23 Site Trash and Litter Receptacles <small>(32 33)</small>		
32 33 23 00-0001 Steel Trash Containment <small>(32 33 23)</small>		
32 33 23 00-0002 Steel Frame Surrounded With Kiln-Dried Wood <small>(32 33 23 00-0001)</small>		
32 33 23 00-0003 EA 13" x 13" x 30" Ash Receptacle Steel Frame, Kiln Dried Wood	383.40	43.30
32 33 23 00-0004 EA 24" x 24" x 30" High Open Top Trash Container Steel Frame, Kiln Dried Wood	366.50	43.30
32 33 23 00-0005 EA 21" x 21" x 31" High Flat Top Trash Container Steel Frame, Kiln Dried Wood	366.50	43.30
32 33 23 00-0006 EA 24" x 24" x 31" High, Flat Top Trash Container Steel Frame, Kiln Dried Wood	347.50	43.30
32 33 23 00-0007 EA 18" x 18" x 37" High Dome Top Trash Container Steel Frame, Kiln Dried Wood	383.40	43.30
32 33 23 00-0008 EA 23" x 23" x 37" High Dome Top Trash Container Steel Frame, Kiln Dried Wood	347.50	43.30
32 33 23 00-0009 EA 24" x 24" x 37" High Dome Top Trash Container Steel Frame, Kiln Dried Wood	472.08	43.30
32 33 23 00-0010 Square Steel Frames Surrounded With Flat Steel <small>(32 33 23 00-0001)</small>		
32 33 23 00-0011 EA 26" Diameter x 34" High Open Top Trash Square Container Steel Frame, Flat Steel Surround	684.58	43.30
32 33 23 00-0012 EA 26" Diameter x 34" High Dome Top Trash Square Container Steel Frame, Flat Steel Surround	738.24	43.30
32 33 23 00-0013 EA 26" Diameter x 39" High Dome Top Trash Square Container Steel Frame, Flat Steel Surround	738.24	43.30
32 33 23 00-0014 Round Steel Pipe And Flat Steel Frames <small>(32 33 23 00-0001)</small>		
Note: Surrounded with kiln-dried wood.		
32 33 23 00-0015 EA 21" Diameter x 32" High Open Top Trash Container Steel Pipe, Flat Steel Frame, Kiln Dried Wood	1,006.55	43.30
32 33 23 00-0016 EA 21" Diameter x 32" High Flat Top Trash Steel Container Pipe, Flat Steel Frame, Kiln Dried Wood	1,083.21	43.30
32 33 23 00-0017 EA 21" Diameter x 39" High Dome Top Trash Steel Container Pipe, Flat Steel Frame, Kiln Dried Wood	1,246.11	43.30
32 33 23 00-0018 EA 21" Diameter x 40" High HPR Top Trash Container Steel Pipe, Flat Steel Frame, Kiln Dried Wood	1,131.13	43.30
32 33 23 00-0019 Round Steel Pipe Surrounded With Perforated <small>(32 33 23 00-0001)</small>		
32 33 23 00-0020 EA 21" Diameter x 32" High Open Top Trash Container Perforated Round Steel Pipe	901.15	43.30
32 33 23 00-0021 EA 21" Diameter x 32" High Flat Top Trash Container Perforated Round Steel Pipe	977.81	43.30
32 33 23 00-0022 EA 21" Diameter x 39" High Dome Top Trash Container Perforated Round Steel Pipe	1,140.71	43.30
32 33 23 00-0023 EA 21" Diameter x 40" High HPR Top Trash Container Perforated Round Steel Pipe	1,035.30	43.30
32 33 23 00-0024 Round Steel Pipe Frames Surrounded With Welded Wire <small>(32 33 23 00-0001)</small>		
32 33 23 00-0025 EA 21" Diameter x 32" High Flat Top Trash Container Steel Pipe Frame, Welded Wire Surround	719.08	43.30
32 33 23 00-0026 EA 21" Diameter x 32" High Open Top Trash Steel Container Pipe Frame, Welded Wire Surround	795.74	43.30
32 33 23 00-0027 EA 21" Diameter x 39" High Dome Top Trash Steel Container Pipe Frame, Welded Wire Surround	958.64	43.30
32 33 23 00-0028 EA 21" Diameter x 40" High HPR Top Trash Container Steel Pipe Frame, Welded Wire Surround	853.23	43.30

32 Exterior Improvements**32 30 Site Improvements****32 33 Site Furnishings**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 33 23 00-0029 Litter Baskets (32 33 23)		
32 33 23 00-0030 Round Wire Litter Baskets (32 33 23 00-0029)		
32 33 23 00-0031 EA 1.33' Diameter x 1.83' High Round Wire Litter Basket	125.64	4.40
32 33 23 00-0032 EA 1.5' Diameter x 1.83' High Round Wire Litter Basket	158.43	4.40
32 33 23 00-0033 EA 1.75' Diameter x 2.33' High Round Wire Litter Basket	214.07	4.40
32 33 23 00-0034 EA 1.83' Diameter x 2.83' High Round Wire Litter Basket	245.47	4.40
32 33 23 00-0035 Trash Can/Wire Basket Holder (32 33 23 00-0029)		
32 33 23 00-0036 EA Steel Post, Single Holder	184.70	35.36
32 33 23 00-0037 EA Steel Post, Double Holder.....	247.46	35.36
32 33 23 00-0038 EA Redwood Post, Single Holder	118.81	35.36
32 33 23 00-0039 EA Redwood Post, Double Holder.....	138.90	35.36
32 33 23 00-0040 Litter Receptacles, Freestanding (32 33 23 00-0029)		
Note: Includes 1-1/2" outside diameter steel leg supports. Wall mounted, includes 3/8" x 3" steel wall plates. Surface mounted, includes 2-1/2" outside diameter steel tube with floor flange, embedded to include 2-1/2" outside diameter steel tube.		
32 33 23 00-0041 EA 16" Diameter x 28" High Litter Receptacle, Freestanding Or Embedded.....	1,007.41	18.04
For Powder Coated Sand Pan, Add	50.00	
For Orange Peel Lid, Add	25.00	
For Polished Granite Lid, Add	50.00	
32 33 23 00-0042 EA 16" Diameter x 32" High Litter Receptacle, Freestanding Or Embedded.....	1,060.20	18.04
For Powder Coated Sand Pan, Add	50.00	
For Orange Peel Lid, Add	25.00	
For Polished Granite Lid, Add	50.00	
32 33 23 00-0043 EA 20" Diameter x 36" High Litter Receptacle, Freestanding Or Embedded.....	1,236.62	27.06
For Powder Coated Sand Pan, Add	50.00	
For Orange Peel Lid, Add	25.00	
For Polished Granite Lid, Add	50.00	
32 33 23 00-0044 EA 20" Diameter x 40" High Litter Receptacle, Freestanding Embedded.....	1,289.41	27.06
For Powder Coated Sand Pan, Add	50.00	
For Orange Peel Lid, Add	25.00	
For Polished Granite Lid, Add	50.00	
32 33 23 00-0045 EA 16" Diameter x 28" High Litter Receptacle, Pole Mount With Pole.....	1,342.20	27.06
For Powder Coated Sand Pan, Add	50.00	
For 1-1/2" x 8-1/2" Diameter Metal Cover Plate, Add	22.50	
For Orange Peel Lid, Add	25.00	
For Polished Granite Lid, Add	50.00	
32 33 23 00-0046 EA 16" Diameter x 32" High Litter Receptacle, Pole Mount With Pole.....	1,394.99	27.06
For Powder Coated Sand Pan, Add	50.00	
For 1-1/2" x 8-1/2" Diameter Metal Cover Plate, Add	22.50	
For Orange Peel Lid, Add	25.00	
For Polished Granite Lid, Add	50.00	
32 33 23 00-0047 EA 16" Diameter x 28" High Litter Receptacle, Wall Mount.....	1,113.26	23.45
For Powder Coated Sand Pan, Add	50.00	
For Orange Peel Lid, Add	25.00	
For Polished Granite Lid, Add	50.00	
For 1-1/2" x 6" Diameter Metal Cover Plate, Add	20.00	
32 33 23 00-0048 EA 16" Diameter x 32" High Litter Receptacle, Wall Mount.....	1,166.05	23.45
For Powder Coated Sand Pan, Add	50.00	
For Orange Peel Lid, Add	25.00	
For Polished Granite Lid, Add	50.00	
For 1-1/2" x 6" Diameter Metal Cover Plate, Add	20.00	
32 33 23 00-0049 Ash Receptacles (32 33 23)		
32 33 23 00-0050 EA 12" Diameter x 21" High Ash Receptacle, Freestanding Or Embedded.....	544.76	18.04
For 1-1/2" x 8-1/2" Diameter Metal Cover Plate, Add	22.50	
For Sand Pan, Add	110.00	
For Bowl And Funnel, Add	120.00	
32 33 23 00-0051 EA 18" Square Concrete Exposed Aggregate x 36" High Ash Receptacles With 3-1/2" ID iron Pipe With Cap Square Concrete With Steel Liner.....	229.41	18.04
32 33 23 00-0052 Trash Receptacles (32 33 23)		
32 33 23 00-0053 EA Outdoor Covered Steel Receptacle With Liner	827.92	18.04
32 33 23 00-0054 EA Driftwood And Sable Receptacle, 35 Gallon With Liner And Frame	392.97	18.04
32 33 23 00-0055 EA 24" x 24" Square Trash Containment With Exposed Aggregate Finish.....	588.05	18.04
32 33 23 00-0056 EA 30" x 30" Square Trash Containment With Exposed Aggregate Finish.....	613.32	19.84
32 33 23 00-0057 EA 36" x 36" Square Trash Containment With Exposed Aggregate Finish.....	660.22	21.64
32 33 23 00-0058 EA 32 Gallon, Open Round Trash Receptacle, Recycled Plastic Lumber.....	155.81	14.43
32 33 23 00-0059 EA 32 Gallon, Round Trash Receptacle With Liner And Lid, Recycled Plastic Lumber.....	182.26	14.43
32 33 23 00-0060 EA 24" x 24" Square 18" High Trash Receptacle, Fiberglass.....	304.72	18.04
32 33 23 00-0061 Trash Containers (Dumpsters) (32 33 23)		
32 33 23 00-0062 EA 1 CY Straight Side Trash Dumpster.....	151.07	
32 33 23 00-0063 EA 1.5 CY Straight Side Trash Dumpster.....	226.61	
32 33 23 00-0064 EA 2 CY Straight Side Trash Dumpster.....	302.14	
32 33 23 00-0065 EA 2 CY Sloped Side Trash Dumpster.....	302.14	



		Exterior Improvements	32
		Site Improvements	32 30
		Site Furnishings	32 33

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 33 23 00-0066	EA		3 CY Sloped Side Trash Dumpster.....	453.21	
32 33 23 00-0067	EA		4 CY Sloped Side Trash Dumpster.....	604.28	
32 33 23 00-0068	EA		6 CY Sloped Side Trash Dumpster.....	906.42	
32 33 23 00-0069	EA		8 CY Sloped Side Trash Dumpster.....	1,208.56	
32 33 33 Site Manufactured Planters (32 33)					
32 33 33 00-0001 Precast Concrete Planters (32 33 33)					
32 33 33 00-0002 Circular Precast Concrete Planters (32 33 33 00-0001)					
32 33 33 00-0003	EA		24" Diameter, 17" Height, Circular Precast Concrete Planter.....	421.84	20.38
32 33 33 00-0004	EA		24" Diameter, 24" Height, Circular Precast Concrete Planter.....	473.33	24.46
32 33 33 00-0005	EA		24" Diameter, 33" Height, Circular Precast Concrete Planter.....	516.67	24.46
32 33 33 00-0006	EA		30" Diameter, 17" Height, Circular Precast Concrete Planter.....	561.78	28.53
32 33 33 00-0007	EA		30" Diameter, 30" Height, Circular Precast Concrete Planter.....	681.31	36.69
32 33 33 00-0008	EA		36" Diameter, 24" Height, Circular Precast Concrete Planter.....	739.94	36.69
32 33 33 00-0009	EA		36" Diameter, 30" Height, Circular Precast Concrete Planter.....	833.50	40.76
32 33 33 00-0010	EA		48" Diameter, 17" Height, Circular Precast Concrete Planter.....	879.39	40.76
32 33 33 00-0011	EA		48" Diameter, 24" Height, Circular Precast Concrete Planter.....	982.61	50.95
32 33 33 00-0012	EA		48" Diameter, 30" Height, Circular Precast Concrete Planter.....	1,045.21	54.22
32 33 33 00-0013	EA		48" Diameter, 36" Height, Circular Precast Concrete Planter.....	1,089.15	57.07
32 33 33 00-0014	EA		60" Diameter, 17" Height, Circular Precast Concrete Planter.....	988.54	50.95
32 33 33 00-0015	EA		60" Diameter, 24" Height, Circular Precast Concrete Planter.....	1,087.88	57.07
32 33 33 00-0016	EA		60" Diameter, 36" Height, Circular Precast Concrete Planter.....	1,387.89	61.14
32 33 33 00-0017	EA		72" Diameter, 36" Height, Circular Precast Concrete Planter.....	1,800.31	77.45
32 33 33 00-0018	EA		84" Diameter, 36" Height, Circular Precast Concrete Planter.....	2,087.58	81.54
32 33 33 00-0019 Square Precast Concrete Planters (32 33 33 00-0001)					
32 33 33 00-0020	EA		36" Square, 30" Height, Square Precast Concrete Planter.....	856.29	52.99
32 33 33 00-0021	EA		42" Square, 30" Height, Square Precast Concrete Planter.....	978.60	57.07
32 33 33 00-0022	EA		60" Square, 36" Height, Square Precast Concrete Planter.....	1,533.69	65.22
32 33 33 00-0023	EA		72" Square, 36" Height, Square Precast Concrete Planter.....	1,636.16	69.30
32 33 33 00-0024 Rectangular Precast Concrete Planters (32 33 33 00-0001)					
32 33 33 00-0025	EA		33" x 18", 20" Height, Rectangular Precast Concrete Planter.....	492.45	24.46
32 33 33 00-0026	EA		48" x 18", 20" Height, Rectangular Precast Concrete Planter.....	581.90	36.69
32 33 33 00-0027	EA		60" x 18", 20" Height, Rectangular Precast Concrete Planter.....	674.19	40.76
32 33 33 00-0028	EA		72" x 18", 20" Height, Rectangular Precast Concrete Planter.....	769.77	50.95
32 33 33 00-0029 Fiberglass Planters (32 33 33)					
32 33 33 00-0030 Circular Fiberglass Planters (32 33 33 00-0029)					
32 33 33 00-0031	EA		36" Diameter, 27" High, Circular Fiberglass Planter.....	1,023.89	20.38
32 33 33 00-0032	EA		60" Diameter, 39" High, Circular Fiberglass Planter.....	1,701.44	20.38
32 33 33 00-0033	EA		36" Diameter, 24" High, Circular Fiberglass Planter.....	683.90	20.38
32 33 33 00-0034	EA		60" Diameter, 24" High, Circular Fiberglass Planter.....	1,344.26	20.38
32 33 33 00-0035 Tapered Circular Fiberglass Planters (32 33 33 00-0029)					
32 33 33 00-0036	EA		24" Diameter, 20" High, Tapered Circular Fiberglass Planter.....	400.70	20.38
32 33 33 00-0037	EA		30" Diameter, 25" High, Tapered Circular Fiberglass Planter.....	585.69	20.38
32 33 33 00-0038	EA		36" Diameter, 30" High, Tapered Circular Fiberglass Planter.....	1,041.08	20.38
32 33 33 00-0039	EA		40" Diameter, 36" High, Tapered Circular Fiberglass Planter.....	1,452.27	20.38
32 33 33 00-0040 Square Fiberglass Planters (32 33 33 00-0029)					
32 33 33 00-0041	EA		24" Square, 21" High, Square Fiberglass Planter.....	525.01	20.38
32 33 33 00-0042	EA		24" Square, 24" High, Square Fiberglass Planter.....	536.60	20.38
32 33 33 00-0043	EA		30" Square, 12" High, Square Fiberglass Planter.....	542.73	20.38
32 33 33 00-0044	EA		30" Square, 21" High, Square Fiberglass Planter.....	615.16	20.38
32 33 33 00-0045	EA		30" Square, 24" High, Square Fiberglass Planter.....	667.93	20.38
32 33 33 00-0046 Rectangular Fiberglass Planters (32 33 33 00-0029)					
32 33 33 00-0047	EA		48" x 12", 12" High, Rectangular Fiberglass Planter.....	603.69	20.38
32 33 33 00-0048	EA		48" x 12", 21" High, Rectangular Fiberglass Planter.....	646.96	20.38
32 33 33 00-0049	EA		48" x 24", 12" High, Rectangular Fiberglass Planter.....	841.84	20.38
32 33 33 00-0050	EA		48" x 24", 21" High, Rectangular Fiberglass Planter.....	928.39	20.38
32 33 33 00-0051 Timber Planters (32 33 33)					
32 33 33 00-0052 Square Timber Planters (32 33 33 00-0051)					
32 33 33 00-0053	EA		14" Square, 30" High, Square Timber Planter.....	465.01	43.30
32 33 33 00-0054	EA		21" Square, 30" High, Square Timber Planter.....	465.01	43.30
32 33 33 00-0055	EA		27" Square, 30" High, Square Timber Planter.....	887.33	43.30
32 33 33 00-0056	EA		34" Square, 30" High, Square Timber Planter.....	768.36	43.30

32 Exterior Improvements**32 30 Site Improvements****32 33 Site Furnishings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	32 33 33 00-0057	EA	41" Square, 36" High, Square Timber Planter.....	917.07	43.30
	32 33 33 00-0058	EA	54" Square, 36" High, Square Timber Planter.....	2,368.43	43.30
	32 33 33 00-0059	EA	81" Square, 36" High, Square Timber Planter.....	3,564.01	43.30
32 33 33 00-0060	Rectangular Timber Planters (32 33 33 00-0051)				
	32 33 33 00-0061	EA	21" x 14", 30" High, Rectangular Timber Planter.....	459.06	43.30
	32 33 33 00-0062	EA	27" x 14", 30" High, Rectangular Timber Planter.....	512.59	43.30
	32 33 33 00-0063	EA	27" x 21", 30" High, Rectangular Timber Planter.....	673.19	43.30
	32 33 33 00-0064	EA	34" x 21", 30" High, Rectangular Timber Planter.....	744.57	43.30
	32 33 33 00-0065	EA	41" x 21", 30" High, Rectangular Timber Planter.....	958.71	43.30
	32 33 33 00-0066	EA	34" x 27", 30" High, Rectangular Timber Planter.....	1,113.36	43.30
	32 33 33 00-0067	EA	41" x 27", 30" High, Rectangular Timber Planter.....	1,244.22	43.30
	32 33 33 00-0068	EA	54" x 27", 30" High, Rectangular Timber Planter.....	1,618.96	43.30
	32 33 33 00-0069	EA	54" x 34", 30" High, Rectangular Timber Planter.....	1,827.14	43.30
	32 33 33 00-0070	EA	68" x 34", 36" High, Rectangular Timber Planter.....	2,082.91	43.30
	32 33 33 00-0071	EA	54" x 41", 36" High, Rectangular Timber Planter.....	1,981.79	43.30
	32 33 33 00-0072	EA	68" x 41", 36" High, Rectangular Timber Planter.....	2,243.51	43.30
	32 33 33 00-0073	EA	81" x 41", 36" High, Rectangular Timber Planter.....	2,511.18	43.30
32 33 43	Site Seating And Tables (32 33)				
32 33 43 53	Site Tables (32 33 43)				
32 33 43 53-0001	Picnic Tables (32 33 43 53)				
32 33 43 53-0002	Wooden Picnic Tables (32 33 43 53-0001)				
	32 33 43 53-0003	EA	6' Permanent Rectangular Redwood Table.....	829.14	54.12
32 33 43 53-0004	Portable Picnic Tables (32 33 43 53-0001)				
	32 33 43 53-0005	EA	6' Wood Table With Aluminum Frame.....	415.62	36.08
	32 33 43 53-0006	EA	6' Aluminum Table And Frame.....	581.60	36.08
	32 33 43 53-0007	EA	8' Aluminum Table And Frame.....	696.68	45.10
	32 33 43 53-0008	EA	6' Steel Table And Frame.....	875.71	36.08
	32 33 43 53-0009	EA	8' Steel Table And Frame.....	1,003.60	45.10
32 33 43 53-0010	Concrete Picnic Tables (32 33 43 53-0001)				
	32 33 43 53-0011	EA	6' Concrete Picnic Table.....	2,077.94	163.37
32 33 43 53-0012	Plastic Picnic Tables (32 33 43 53-0001) Note: Manufactured from recycled plastic.				
32 33 43 53-0013	Pedestal Tables - 4' Square, 2 Seats (32 33 43 53-0012)				
	32 33 43 53-0014	EA	3" x 4" Slats, Pedestal Table, 4' Square, 2 Seats.....	470.06	54.12
	32 33 43 53-0015	EA	4" x 4" Slats, Pedestal Table, 4' Square, 2 Seats.....	508.50	54.12
32 33 43 53-0016	Pedestal Tables - 4' Square, 4 Seats (32 33 43 53-0012)				
	32 33 43 53-0017	EA	3" x 4" Slats, Pedestal Table, 4' Square, 4 Seats.....	594.70	54.12
	32 33 43 53-0018	EA	4" x 4" Slats, Pedestal Table, 4' Square, 4 Seats.....	646.31	54.12
32 33 43 53-0019	Recycled Plastic Tables (32 33 43 53-0012)				
	32 33 43 53-0020	EA	6' Standard "Step-Over" Table, Recycled Plastic Lumber.....	757.59	54.12
	32 33 43 53-0021	EA	6' " Walk-Through" Table, Recycled Plastic Lumber.....	642.49	54.12
	32 33 43 53-0022	EA	7' Reinforced "Step-Over" Table, Recycled Plastic Lumber, ADA Ends.....	695.38	54.12
	32 33 43 53-0023	EA	8' " Walk-Through" Table, Recycled Plastic Lumber, ADA Ends.....	654.76	54.12
	32 33 43 53-0024	EA	8' Reinforced "Step-Over" Table, Recycled Plastic Lumber, ADA Ends.....	806.15	54.12
	32 33 43 53-0025	EA	4' Youth Table, Recycled Plastic Lumber.....	348.42	43.30
32 33 53	Site Grills (32 33)				
32 33 53 00-0001	Picnic Grills (32 33 53)				
	32 33 53 00-0002	EA	20" Wide x 14" Deep x 8-1/2" High Adjustable Grill.....	296.20	
			Note: 11 gauge with galvanized steel post.		
	32 33 53 00-0003	EA	20" Wide x 14" Deep x 8-1/2" High Adjustable Grill.....	316.54	
			Note: 7 gauge with galvanized steel post.		
32 33 63	Skate Board Deterrent (32 33)				
32 33 63 00-0001	Skate Stoppers (32 33 63)				
	32 33 63 00-0002	EA	Aluminum Architectural Series Pieces, Skate Stopper.....	38.46	
			Note: Various shapes. Includes drilling and anchoring into suitable surface material.		
			For >60 To 100, Deduct	-3.76	
			For >100 To 250, Deduct	-4.82	
			For >250, Deduct	-5.89	



		Exterior Improvements	32
		Site Improvements	32 30
		Site Furnishings	32 33

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 33 63 00-0003 EA Aluminum Fixed Angle Series Pieces, Skate Stopper	32.30	
Note: Various shapes. Includes drilling and anchoring into suitable surface material.		
For >60 To 100, Deduct	-2.90	
For >100 To 250, Deduct	-3.78	
For >250, Deduct	-4.66	
32 33 63 00-0004 EA Aluminum Fixed Radius Series Pieces, Skate Stopper	32.30	
Note: Various shapes. Includes drilling and anchoring into suitable surface material.		
For >60 To 100, Deduct	-2.90	
For >100 To 250, Deduct	-3.78	
For >250, Deduct	-4.66	
32 33 63 00-0005 EA Aluminum Bench Clips, Skate Stopper	22.00	
Note: Various shapes. Includes drilling and anchoring into suitable surface material.		
For >60 To 100, Deduct	-1.78	
For >100 To 250, Deduct	-2.37	
For >250, Deduct	-2.96	
32 33 63 00-0006 EA Aluminum Curve Clips, Skate Stopper	25.17	
Note: Various shapes. Includes drilling and anchoring into suitable surface material.		
For >60 To 100, Deduct	-2.23	
For >100 To 250, Deduct	-2.91	
For >250, Deduct	-3.59	
32 33 63 00-0007 EA Aluminum Hand Rail, Skate Stopper	22.88	
Note: Various shapes. Includes drilling and anchoring into suitable surface material.		
For >60 To 100, Deduct	-1.90	
For >100 To 250, Deduct	-2.52	
For >250, Deduct	-3.13	
32 33 63 00-0008 EA Aluminum 2" x 3" x 0.25" Flat Cap, Skate Stopper	21.71	
Note: Includes drilling and anchoring into suitable surface material.		
For >60 To 100, Deduct	-1.74	
For >100 To 250, Deduct	-2.32	
For >250, Deduct	-2.90	
32 33 63 00-0009 EA Aluminum 6" Diameter x 0.25" Rumble Disc, Skate Stopper	32.59	
Note: Includes drilling and anchoring into suitable surface material.		
For >60 To 100, Deduct	-2.94	
For >100 To 250, Deduct	-3.83	
For >250, Deduct	-4.71	
32 33 63 00-0010 EA Aluminum 4" x 17" x 0.25" Flat Strap, Skate Stopper	54.42	
Note: Includes drilling and anchoring into suitable surface material.		
For >60 To 100, Deduct	-6.00	
For >100 To 250, Deduct	-7.54	
For >250, Deduct	-9.08	

32 39 Manufactured Site Specialties (32 30)

32 39 13 Manufactured Metal Bollards (32 39)

32 39 13 00-0001 Metal Pipe Bollards (32 39 13)

Note: For bollards by the LF, the quantity is the total length, including the buried portion, if any. See CSI section 32 31 13 13-0001 for augering and filling holes for bollards, 32 31 13 13-0018 for concrete fill for post and post holes.

32 39 13 00-0002 Steel Pipe Bollard, Schedule 40 Pipe, Painted Or Powder Coated (32 39 13 00-0001)

32 39 13 00-0003 LF 4" Steel Pipe Bollard, Schedule 40, Painted Or Powder Coated	36.65	10.23
For Galvanized Steel, Add	2.75	
For 304 Stainless Steel, Add	21.87	
For Each Surface Mounted Bollard (Includes Base Plate And Anchor Bolts), Add	105.80	
For Each Sleeve For Removable, Lockable Bollard (Includes Tamper Proof Screw), Add	78.82	
For Schedule 80, Add	4.48	
32 39 13 00-0004 LF 6" Steel Pipe Bollard, Schedule 40, Painted Or Powder Coated	46.00	10.23
For Galvanized Steel, Add	4.34	
For 304 Stainless Steel, Add	34.49	
For Each Surface Mounted Bollard (Includes Base Plate And Anchor Bolts), Add	105.80	
For Each Sleeve For Removable, Lockable Bollard (Includes Tamper Proof Screw), Add	78.82	
For Schedule 80, Add	5.88	
32 39 13 00-0005 LF 8" Steel Pipe Bollard, Schedule 40, Painted Or Powder Coated	63.46	12.79
For Galvanized Steel, Add	6.44	
For 304 Stainless Steel, Add	51.15	
For Each Surface Mounted Bollard (Includes Base Plate And Anchor Bolts), Add	140.28	
For Each Sleeve For Removable, Lockable Bollard, Add	119.30	
For Schedule 80, Add	8.24	
32 39 13 00-0006 LF 10" Steel Pipe Bollard, Schedule 40, Painted Or Powder Coated	82.52	15.34
For Galvanized Steel, Add	8.81	
For 304 Stainless Steel, Add	69.98	
For Each Surface Mounted Bollard (Includes Base Plate And Anchor Bolts), Add	160.72	
For Each Sleeve For Removable, Lockable Bollard, Add	129.52	
For Schedule 80, Add	10.84	
32 39 13 00-0007 LF 12" Steel Pipe Bollard, Schedule 40, Painted Or Powder Coated	105.25	20.45
For Galvanized Steel, Add	10.94	
For 304 Stainless Steel, Add	86.86	
For Each Surface Mounted Bollard (Includes Base Plate And Anchor Bolts), Add	222.64	
For Each Sleeve For Removable, Lockable Bollard, Add	178.69	
For Schedule 80, Add	13.74	

32 39 16 Manufactured Concrete Bollards (32 39)

32 Exterior Improvements**32 30 Site Improvements****32 39 Manufactured Site Specialties**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 39 16 00-0001 Concrete Bollards <small>(32 39 16)</small> Note: For bollards by the LF, the quantity is the total length, including the buried portion, if any. See CSI section 32 31 13 13-0001 for augering and filling holes for bollards, 32 31 13 13-0018 for concrete fill.		
32 39 16 00-0002 Concrete Bollard, Exposed Aggregate <small>(32 39 16 00-0001)</small>		
32 39 16 00-0003 EA 12" x 12" x 30" High Concrete Bollard, Light Sandblast.....	538.09	81.80
Note: Surface mounted with anchor bolts embedded into grout pockets.		
32 39 16 00-0004 EA 12" Diameter x 30" High Concrete Bollard, Light Sandblast	538.09	81.80
Note: Surface mounted with anchor bolts embedded into grout pockets.		
32 39 19 Manufactured Wood Bollards <small>(32 39)</small>		
32 39 19 00-0001 Wood Bollards <small>(32 39 19)</small> Note: For bollards by the LF, the quantity is the total length, including the buried portion, if any. See CSI section 32 31 13 13-0001 for augering and filling holes for bollards, 32 31 13 13-0018 for concrete fill.		
32 39 19 00-0002 Wood Bollard, Pressure Treated Timber <small>(32 39 19 00-0001)</small>		
32 39 19 00-0003 LF 4" x 4", Pressure Treated Wood Bollard	19.09	8.19
For Each Sleeve For Removable, Lockable Bollard, Add	79.74	
32 39 19 00-0004 LF 6" x 6", Pressure Treated Wood Bollard	21.96	8.19
For Each Sleeve For Removable, Lockable Bollard, Add	79.74	
32 39 19 00-0005 LF 8" x 8", Pressure Treated Wood Bollard	28.37	9.21
For Each Sleeve For Removable, Lockable Bollard, Add	122.00	
32 39 19 00-0006 LF 10" x 10", Pressure Treated Wood Bollard	40.09	12.27
For Each Sleeve For Removable, Lockable Bollard, Add	134.30	
32 39 19 00-0007 LF 12" x 12", Pressure Treated Wood Bollard	55.09	16.36
For Each Sleeve For Removable, Lockable Bollard, Add	186.53	
32 39 23 Manufactured Plastic Bollards <small>(32 39)</small>		
32 39 23 00-0001 Plastic Bollards <small>(32 39 23)</small> See CSI section 32 31 13 13-0001 for augering and filling holes for bollards., 32 31 13 13-0018 for concrete fill.		
32 39 23 00-0002 Recycled Plastic Bollards <small>(32 39 23 00-0001)</small>		
32 39 23 00-0003 EA 6" x 6" x 33" Surface Mounted Recycled Plastic Bollard.....	205.19	40.91
Note: Includes anchor bolts.		
32 39 23 00-0004 EA 6" Diameter x 6" Steel Reinforced Recycled Plastic Bollard.....	315.03	40.91
32 39 23 00-0005 Plastic Bollard Covers <small>(32 39 23 00-0001)</small>		
32 39 23 00-0006 EA 4" x 60", 1/8" Thick LDPE Bollard Cover, Fits 4" To 4-1/2" Pipe.....	51.14	9.25
For Reflective Tape, Add	5.18	
32 39 23 00-0007 EA 6" x 60", 1/8" Thick LDPE Bollard Cover, Fits 6" To 6-5/8" Pipe.....	55.54	10.18
For Reflective Tape, Add	5.18	
32 39 23 00-0008 EA 3" x 60", 1/4" Thick LDPE Bollard Cover, Fits 3" To 3 1/2" Pipe	67.47	9.25
For Reflective Tape, Add	5.18	
32 39 23 00-0009 EA 3-1/2" x 52", 1/4" Thick LDPE Bollard Cover, Fits 3-1/2" To 4" Pipe.....	67.47	9.25
For Reflective Tape, Add	5.18	
32 39 23 00-0010 EA 3-1/2" x 68", 1/4" Thick LDPE Bollard Cover, Fits 3-1/2" To 4" Pipe.....	75.09	9.25
For Reflective Tape, Add	5.18	
32 39 23 00-0011 EA 4" x 52", 1/4" Thick LDPE Bollard Cover, Fits 4" To 4-1/2" Pipe.....	67.47	9.25
For Reflective Tape, Add	5.18	
32 39 23 00-0012 EA 4" x 60", 1/4" Thick LDPE Bollard Cover, Fits 4" To 4-1/2" Pipe.....	68.56	9.25
For Reflective Tape, Add	5.18	
32 39 23 00-0013 EA 5" x 52", 1/4" Thick LDPE Bollard Cover, Fits 5" To 5-9/16" Pipe.....	67.47	9.25
For Reflective Tape, Add	5.18	
32 39 23 00-0014 EA 5" x 60", 1/4" Thick LDPE Bollard Cover, Fits 5" To 5-9/16" Pipe.....	68.56	9.25
For Reflective Tape, Add	5.18	
32 39 23 00-0015 EA 5" x 72", 1/4" Thick LDPE Bollard Cover, Fits 5" To 5-9/16" Pipe.....	93.59	9.25
For Reflective Tape, Add	5.18	
32 39 23 00-0016 EA 6" x 52", 1/4" Thick LDPE Bollard Cover, Fits 6" To 6-5/8" Pipe.....	69.32	10.18
For Reflective Tape, Add	5.18	
32 39 23 00-0017 EA 6" x 65", 1/4" Thick LDPE Bollard Cover, Fits 6" To 6-5/8" Pipe.....	86.73	10.18
For Reflective Tape, Add	5.18	
32 39 23 00-0018 EA 6" x 84", 1/4" Thick LDPE Bollard Cover, Fits 6" To 6-5/8" Pipe	97.99	10.18
For Reflective Tape, Add	5.18	
32 39 23 00-0019 EA 7" x 56", 1/4" Thick LDPE Bollard Cover, Fits 6" To 6-5/8" Pipe.....	84.23	11.10
For Reflective Tape, Add	5.18	
32 39 23 00-0020 EA 8" x 52", 1/4" Thick LDPE Bollard Cover, Fits 7" To 7-5/16" Pipe.....	90.76	11.10
For Reflective Tape, Add	5.18	
32 39 23 00-0021 EA 8" x 69", 1/4" Thick LDPE Bollard Cover, Fits 8" To 8-5/8" Pipe.....	90.76	11.10
For Reflective Tape, Add	5.18	
32 39 23 00-0022 EA 10" x 69", 1/4" Thick LDPE Bollard Cover, Fits 10" To 11" Pipe	120.16	11.10
For Reflective Tape, Add	5.18	
32 39 26 Manufactured Stone Bollards <small>(32 39)</small>		
32 39 26 00-0001 Stone Bollards <small>(32 39 26)</small> See CSI section 32 31 13 13-0001 for augering and filling holes for bollards, 32 31 13 13-0018 for concrete fill.		
32 39 26 00-0002 Granite Bollards <small>(32 39 26 00-0001)</small>		



Exterior Improvements	32
Site Improvements	32 30
Manufactured Site Specialties	32 39

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 39 26 00-0003 EA 16" x 16" x 30" Granite Bollard, Smooth Matt Finish..... Note: Surface mounted with anchors embedded into grout pockets.	964.44	102.26
32 39 26 00-0004 EA 16" x 16" x 54" Granite Bollard, Smooth Matt Finish..... Note: Surface mounted with anchors embedded into grout pockets.	1,225.87	143.17
32 39 26 00-0005 EA 12" x 12" x 24" Granite Bollard, Rough Finish, Pyramid Top Note: Surface mounted with anchors embedded into grout pockets.	610.73	102.26
32 39 26 00-0006 EA 12" Diameter x 18" Granite Bollard, Smooth Matt Finish Note: Flat Top, surface mounted with anchors embedded into grout pockets.	882.08	81.80
32 39 26 00-0007 EA 24" x 24" x 20" Granite Bollard, Octagonal Cross Section..... Note: Smooth matt finish, flat top, surface mounted with anchors embedded into grout pockets.	1,303.50	81.80

32 80 Irrigation⁽³²⁾

32 84 Planting Irrigation^(32 80)

32 84 13 Drip Irrigation^(32 84)

32 84 13 00-0001 Drip Emitter Irrigation Devices^(32 84 13)

32 84 13 00-0002 Drip Emitter Irrigation Valves^(32 84 13 00-0001)

32 84 13 00-0003 EA 1/2" Air/Vacuum Relief Valve For Drip Emitter Irrigation Systems (Rain Bird® ARV050)	41.51	11.14
32 84 13 00-0004 EA 1", Low Flow Remote Control Valve For Drip Emitter Irrigation Systems (Rain Bird® LRV100)	55.51	11.14
32 84 13 00-0005 EA 3/4", Anti-Siphon, Low Flow Remote Control Valve For Drip Emitter Irrigation Systems (Rain Bird® LRV075)	54.54	11.14
32 84 13 00-0006 EA 3/4", Latching Solenoid, Low Flow Remote Control Valve For Drip Emitter Irrigation Systems (Rain Bird® LRV075TBOS).....	67.70	11.14

32 84 13 00-0007 Drip Emitter Irrigation Filters^(32 84 13 00-0001)

32 84 13 00-0008 EA 3/4" Inlet/Outlet, Inline Basket Filter For Drip Emitter Irrigation Systems (Rain Bird® QKCHK-075)	95.50	11.14
32 84 13 00-0009 EA 1" Inlet/Outlet, Inline Basket Filter For Drip Emitter Irrigation Systems (Rain Bird® QKCHK-100)	96.22	11.14
32 84 13 00-0010 EA 3/4" Inlet/Outlet, Inline Wye Filter For Drip Emitter Irrigation Systems (Rain Bird® RBY075MPTX)	47.63	11.14
32 84 13 00-0011 EA 1" Inlet/Outlet, Inline Wye Filter For Drip Emitter Irrigation Systems (Rain Bird® RBY100MPTX)	48.21	11.14
32 84 13 00-0012 EA 1" Inlet/Outlet, Pressure Regulating, Inline Basket Filter For Drip Emitter Irrigation Systems (Rain Bird® PRB-QCHK-100).....	102.24	11.14
32 84 13 00-0013 EA 3/4" Inlet/Outlet, Pressure Regulating, Inline RBY Filter For Drip Emitter Irrigation Systems (Rain Bird® PRF075RBY).....	56.34	11.14
32 84 13 00-0014 EA 1" Inlet/Outlet, Pressure Regulating, Inline RBY Filter For Drip Emitter Irrigation Systems (Rain Bird® PRF100RBY).....	60.87	11.14

32 84 13 00-0015 Drip Emitter Irrigation Pressure Regulators^(32 84 13 00-0001)

32 84 13 00-0016 EA 3/4", 6 To 300 GPH, 30 PSI, Inline Pressure Regulator For Drip Emitter Irrigation Systems (Rain Bird® PSI-L30X-075).....	47.04	11.14
32 84 13 00-0017 EA 3/4", 120 To 600 GPH, 30 PSI, Inline Pressure Regulator For Drip Emitter Irrigation Systems (Rain Bird® PSI-M30X-075).....	47.04	11.14
32 84 13 00-0018 EA 3/4", 120 To 600 GPH, 40 PSI, Inline Pressure Regulator For Drip Emitter Irrigation Systems (Rain Bird® PSI-M40X-075).....	47.04	11.14
32 84 13 00-0019 EA 1", 120 To 900 GPH, 40 PSI, Inline Pressure Regulator For Drip Emitter Irrigation Systems (Rain Bird® PSI-M40X-100).....	51.81	11.14

32 84 13 00-0020 Drip Emitter Irrigation Tubing^(32 84 13 00-0001)

Note: Includes surface installation and covering of tubing with existing pine straw, pine bark etc.		
32 84 13 00-0021 LF 1/4", Landscape Dripline With Extruded Non-Pressure Compensating Drip Emitters (Rain Bird® LDQ0806100).....	3.72	1.56
32 84 13 00-0022 LF 1/2", Landscape Dripline With Extruded Pressure Compensating Drip Emitters (Rain Bird® XFD0612100).....	3.71	1.78
32 84 13 00-0023 LF 1/4", UV-Resistant, Polyethylene, Distribution Tubing For Drip Emitter Irrigation Systems (Rain Bird® XQ100)	3.26	1.56
<i>For Shallow Trenching And Backfill By Hand, Add</i>		
	6.40	
32 84 13 00-0024 LF 1/2", UV-Resistant, Polyethylene, Distribution Tubing For Drip Emitter Irrigation Systems (Rain Bird® XT700100).....	3.71	1.78
<i>For Shallow Trenching And Backfill By Hand, Add</i>		
	6.94	

32 84 13 00-0025 Drip Emitter Irrigation Fittings^(32 84 13 00-0001)

32 84 13 00-0026 EA 1/4", Barbed Coupling For Irrigation Tubing (Rain Bird® XBF1CONN)	2.87	
32 84 13 00-0027 EA 1/4", Barbed Elbow For Irrigation Tubing (Rain Bird® XBF2EL)	2.88	
32 84 13 00-0028 EA 1/4", Barbed Tee For Irrigation Tubing (Rain Bird® XBF3TEE)	2.91	
32 84 13 00-0029 EA 1/4", Self Piercing Barbed Coupling For Irrigation Tubing (Rain Bird® SPB025).....	3.00	
32 84 13 00-0030 EA 1/4", Plug For Irrigation Tubing (Rain Bird® EMAGPX)	2.85	
32 84 13 00-0031 EA 17mm, Barbed Coupling For Irrigation Tubing (Rain Bird® XFFCOUP)	2.95	
<i>For Compression Fitting, Add</i>		
	0.17	
32 84 13 00-0032 EA 17mm, Barbed Elbow For Irrigation Tubing (Rain Bird® XFF-ELBOW).....	3.00	
<i>For Compression Fitting, Add</i>		
	0.22	
32 84 13 00-0033 EA 17mm, Barbed Tee For Irrigation Tubing (Rain Bird® XFF-TEE)	3.03	
<i>For Compression Fitting, Add</i>		
	0.25	
32 84 13 00-0034 EA 17mm, Barbed Male Adapter For Irrigation Tubing (Rain Bird® XFFMA050).....	3.04	
<i>For Compression Fitting, Add</i>		
	0.26	
32 84 13 00-0035 EA 17mm, Barbed Cross For Irrigation Tubing (Rain Bird® XFDCROSS)	3.14	
<i>For Compression Fitting, Add</i>		
	0.36	
32 84 13 00-0036 EA 1/2", Plug For Irrigation Tubing (Rain Bird® MDCFCAP).....	3.26	
32 84 13 00-0037 EA 12 Gauge, Galvanized Stake For Irrigation Tubing (Rain Bird® TDS050BEND)	1.63	

32 Exterior Improvements**32 80 Irrigation****32 84 Planting Irrigation**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 84 13 00-0038 Drip Emitters <small>(32 84 13 00-0001)</small>		
32 84 13 00-0039 EA 0.5 To 2 GPH, Single Outlet, Pressure Compensating Emitter For Drip Emitter Irrigation Systems (Rain Bird® XB20PC).....	5.84	
32 84 13 00-0040 EA 5 To 24 GPH, Single Outlet, Pressure Compensating Emitter For Drip Emitter Irrigation Systems (Rain Bird® PC24).....	6.30	
32 84 13 00-0041 EA 0.5 To 2 GPH, Six Outlet, Pressure Compensating Emitter For Drip Emitter Irrigation Systems (Rain Bird® XB056).....	11.63	
32 84 13 00-0042 Drip Emitter Irrigation Micro-Bubblers, Sprays And Misters <small>(32 84 13 00-0001)</small>		
32 84 13 00-0043 EA Adjustable Stream Bubbler With Spike For Drip Emitter Irrigation Systems (Rain Bird® SXB360SPYK).....	23.01	10.03
32 84 13 00-0044 EA Adjustable Micro Spray With Spike For Drip Emitter Irrigation Systems (Rain Bird® XS360TSPYK).....	23.03	10.03
32 84 13 00-0045 EA 12" Height, Riser Assembly With Pressure Compensating Nozzle For Drip Emitter Irrigation Systems (Rain Bird® SQADP12 With SQFUL).....	24.31	10.03
32 84 13 00-0046 EA 24" Height, Riser Assembly With Pressure Compensating Nozzle For Drip Emitter Irrigation Systems (Rain Bird® SQADP24 With SQFUL).....	24.45	10.03
32 84 13 00-0047 EA 4" Pop-Up Height, Micro Spray Pop-Ups For Drip Emitter Irrigation Systems (Rain Bird® XP-400X With SQFUL)..... Note: Includes nozzle.	34.02	13.14
32 84 13 00-0048 EA 6" Pop-Up Height, Micro Spray Pop-Ups For Drip Emitter Irrigation Systems (Rain Bird® XP-600X With SQFUL)..... Note: Includes nozzle.	35.67	13.14
32 84 13 00-0049 EA 12" Pop-Up Height, Micro Spray Pop-Ups For Drip Emitter Irrigation Systems (Rain Bird® XP1200X With SQFUL)..... Note: Includes nozzle.	32.73	13.14
32 84 13 00-0050 Subsurface Drip Emitter Irrigation Tubing (Rain Bird® XFS) <small>(32 84 13 00-0001)</small>		
Note: Brown or purple tubing. Includes layout, trenching 4" to 6", installing tubing and backfilling trench.		
32 84 13 00-0051 LF 0.536" ID, 0.634" OD, Subsurface Drip Emitter Irrigation Tubing (Rain Bird® XFS Copper Shield).....	4.21	1.95
32 84 23 Underground Sprinklers <small>(32 84)</small>		
32 84 23 00-0001 Sprinkler Heads <small>(32 84 23)</small>		
32 84 23 00-0002 Spray Sprinkler Heads <small>(32 84 23 00-0001)</small>		
Note: Includes plastic riser and case. Includes spray, variable arc or bubbler nozzle with partial or full circle coverage.		
32 84 23 00-0003 EA 2" Pop-Up Height, Spray Sprinkler Head (Rain Bird® 1802P)..... <i>For Rotary Nozzle, Add</i>	30.56 3.25	12.30
32 84 23 00-0004 EA 4" Pop-Up Height, Spray Sprinkler Head (Rain Bird® 1804P)..... <i>For Rotary Nozzle, Add</i>	29.63 3.25	12.30
32 84 23 00-0005 EA 6" Pop-Up Height, Spray Sprinkler Head (Rain Bird® 1806P)..... <i>For Rotary Nozzle, Add</i>	33.09 3.25	12.30
32 84 23 00-0006 EA 12" Pop-Up Height, Spray Sprinkler Head (Rain Bird® 1812P)..... <i>For Rotary Nozzle, Add</i>	36.00 3.25	12.30
32 84 23 00-0007 EA 4" Pop-Up Height, Spray Sprinkler Head With Check Valve (Rain Bird® 1804-SAM)..... <i>For Rotary Nozzle, Add</i>	30.93 3.25	12.30
32 84 23 00-0008 EA 6" Pop-Up Height, Spray Sprinkler Head With Check Valve (Rain Bird® 1806-SAM)..... <i>For Rotary Nozzle, Add</i>	35.81 3.25	12.30
32 84 23 00-0009 EA 12" Pop-Up Height, Spray Sprinkler Head With Check Valve (Rain Bird® 1812-SAM)..... <i>For Rotary Nozzle, Add</i>	38.16 3.25	12.30
32 84 23 00-0010 EA 4" Pop-Up Height, Spray Sprinkler Head With Pressure Regulator (Rain Bird® 1804-PRS)..... <i>For Rotary Nozzle, Add</i>	32.32 3.25	12.30
32 84 23 00-0011 EA 6" Pop-Up Height, Spray Sprinkler Head With Pressure Regulator (Rain Bird® 1806-PRS)..... <i>For Rotary Nozzle, Add</i>	36.77 3.25	12.30
32 84 23 00-0012 EA 12" Pop-Up Height, Spray Sprinkler Head With Pressure Regulator (Rain Bird® 1812-PRS)..... <i>For Rotary Nozzle, Add</i>	38.96 3.25	12.30
32 84 23 00-0013 EA 4" Pop-Up Height, Spray Sprinkler Head With Check Valve And Pressure Regulator (Rain Bird® 1804-SAM-PRS)..... <i>For Rotary Nozzle, Add</i>	32.88 3.25	12.30
32 84 23 00-0014 EA 6" Pop-Up Height, Spray Sprinkler Head With Check Valve And Pressure Regulator (Rain Bird® 1806-SAM-PRS)..... <i>For Rotary Nozzle, Add</i>	39.70 3.25	12.30
32 84 23 00-0015 EA 12" Pop-Up Height, Spray Sprinkler Head With Check Valve And Pressure Regulator (Rain Bird® 1812-SAM-PRS)..... <i>For Rotary Nozzle, Add</i>	41.87 3.25	12.30
32 84 23 00-0016 EA Bubbler Head With Screen, 1/2" NPT (Rain Bird® 1300)..... <i>For Rotary Nozzle, Add</i>	27.81 3.25	12.30
32 84 23 00-0017 EA Pressure Compensating Bubbler With Screen, 1/2" NPT (Rain Bird® 1400).....	29.97	12.30
32 84 23 00-0018 Gear-Drive, Rotary Sprinkler Heads <small>(32 84 23 00-0001)</small>		
Note: Maximum spacing is equivalent to maximum radius.		
32 84 23 00-0019 1/2" Inlet, Up To 35' Spacing, Gear-Drive, Rotary Sprinkler Heads <small>(32 84 23 00-0018)</small>		
Note: Includes plastic riser and case, standard rubber cover and nozzle with partial or full circle coverage.		
32 84 23 00-0020 EA 4" Pop-Up Height, 1/2" Inlet, Up To 35' Spacing, Gear-Drive, Rotary Sprinkler Head (Rain Bird® 3504PC)..... <i>For Non-Potable Cover, Add</i>	37.42 2.00	12.30
32 84 23 00-0021 EA 4" Pop-Up Height, 1/2" Inlet, Up To 35' Spacing, Gear-Drive, Rotary Sprinkler Head With Check Valve (Rain Bird® 3504-PC-SAM)..... <i>For Non-Potable Cover, Add</i>	38.19 2.00	12.30
32 84 23 00-0022 3/4" Inlet, Up To 55' Spacing, Gear-Drive, Rotary Sprinkler Heads <small>(32 84 23 00-0018)</small>		
Note: Includes plastic riser and case, standard rubber cover and nozzle with partial or full circle coverage.		



		Exterior Improvements	32
		Irrigation	32 80
		Planting Irrigation	32 84

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 84 23 00-0023 EA 4" Pop-Up Height, 3/4" Inlet, Up To 55' Spacing, Gear-Drive, Rotary Sprinkler Head (Rain Bird® 5004-PLPC).....	35.56	12.30
<i>For Non-Potable Cover, Add</i>	2.00	
<i>For Stainless Steel Riser, Add</i>	9.00	
32 84 23 00-0024 EA 6" Pop-Up Height, 3/4" Inlet, Up To 55' Spacing, Gear-Drive, Rotary Sprinkler Head (Rain Bird® 5006-PLPC).....	43.90	12.30
<i>For Non-Potable Cover, Add</i>	2.00	
<i>For Stainless Steel Riser, Add</i>	9.00	
32 84 23 00-0025 EA 4" Pop-Up Height, 3/4" Inlet, Up To 55' Spacing, Gear-Drive, Rotary Sprinkler Head With Check Valve (Rain Bird® 5004-PLPCS).....	37.11	12.30
<i>For Non-Potable Cover, Add</i>	2.00	
<i>For Stainless Steel Riser, Add</i>	9.00	
32 84 23 00-0026 EA 6" Pop-Up Height, 3/4" Inlet, Up To 55' Spacing, Gear-Drive, Rotary Sprinkler Head With Check Valve (Rain Bird® 5006-PLPCS).....	45.14	12.30
<i>For Non-Potable Cover, Add</i>	2.00	
<i>For Stainless Steel Riser, Add</i>	9.00	
32 84 23 00-0027 EA 4" Pop-Up Height, 3/4" Inlet, Up To 55' Spacing, Gear-Drive, Rotary Sprinkler Head With Pressure Regulator (Rain Bird® 5004+PCR).....	37.73	12.30
<i>For Non-Potable Cover, Add</i>	2.00	
<i>For Stainless Steel Riser, Add</i>	9.00	
32 84 23 00-0028 EA 4" Pop-Up Height, 3/4" Inlet, Up To 55' Spacing, Gear-Drive, Rotary Sprinkler Head With Check Valve And Pressure Regulator (Rain Bird® 5004+FCSR).....	38.96	12.30
<i>For Non-Potable Cover, Add</i>	2.00	
<i>For Stainless Steel Riser, Add</i>	9.00	
32 84 23 00-0029 EA 6" Pop-Up Height, 3/4" Inlet, Up To 55' Spacing, Gear-Drive, Rotary Sprinkler Head With Check Valve And Pressure Regulator (Rain Bird® 5006+PCSR).....	46.99	12.30
<i>For Non-Potable Cover, Add</i>	2.00	
<i>For Stainless Steel Riser, Add</i>	9.00	
32 84 23 00-0030 EA 12" Pop-Up Height, 3/4" Inlet, Up To 55' Spacing, Gear-Drive, Rotary Sprinkler Head With Check Valve And Pressure Regulator (Rain Bird® 5012+PCSR).....	51.93	12.30
<i>For Non-Potable Cover, Add</i>	2.00	
<i>For Stainless Steel Riser, Add</i>	9.00	
32 84 23 00-0031 EA Shrub Type, 3/4" Inlet, Up To 55' Spacing, Gear-Drive, Rotary Sprinkler Head With Check Valve (Rain Bird® 5000S-PLPCS).....	38.81	12.30
<i>For Non-Potable Cover, Add</i>	2.00	
32 84 23 00-0032 EA Shrub Type, 3/4" Inlet, Up To 55' Spacing, Gear-Drive, Rotary Sprinkler Head With Check Valve And Pressure Regulator (Rain Bird® 5000S+PCSR).....	43.75	12.30
<i>For Non-Potable Cover, Add</i>	2.00	
32 84 23 00-0033 1" Inlet, Up To 65' Spacing, Gear-Drive, Rotary Sprinkler Heads <small>(32 84 23 00-0018)</small>		
Note: Includes plastic riser and case, standard rubber cover, check valve and nozzle with partial or full circle coverage.		
32 84 23 00-0034 EA 4" Pop-Up Height, 1" Inlet, Up To 65' Spacing, Gear-Drive, Rotary Sprinkler Head (Rain Bird® F4PC).....	55.49	12.30
<i>For Non-Potable Cover, Add</i>	2.00	
<i>For Stainless Steel Riser, Add</i>	9.00	
<i>For Stainless Steel Riser And High Speed Rotor, Add</i>	22.74	
32 84 23 00-0035 1" Inlet, Up To 80' Spacing, Gear-Drive, Rotary Sprinkler Heads <small>(32 84 23 00-0018)</small>		
Note: Includes plastic riser and case, standard rubber cover, check valve and nozzle with partial or full circle coverage.		
32 84 23 00-0036 EA 5" Pop-Up Height, 1" Inlet, Up To 80' Spacing, Gear-Drive, Rotary Sprinkler Head (Rain Bird® 8005).....	73.40	12.30
<i>For Non-Potable Cover, Add</i>	2.00	
<i>For Stainless Steel Riser, Add</i>	9.00	
32 84 23 00-0037 Impact-Drive Sprinkler Heads <small>(32 84 23 00-0001)</small>		
Note: Includes partial or full circle coverage. Maximum spacing is equivalent to maximum radius.		
32 84 23 00-0038 EA 1/2" Inlet, Up To 45' Spacing, Pop-Up, Impact-Drive Rotary Sprinkler Head (Rain Bird® 2045A-08).....	46.84	12.30
<i>For Non-Potable Cover, Add</i>	2.00	
32 84 23 00-0039 EA 1/2" Inlet, Up To 45' Spacing, Riser Mounted, Plastic Body, Impact-Drive Sprinkler Head (Rain Bird® 2045-PJ08).....	39.43	12.30
32 84 23 00-0040 EA 3/4" Inlet, Up To 51' Spacing, Riser Mounted, Brass/Bronze Body, Impact-Drive Sprinkler Head (Rain Bird® 35A-ADJ-TNTB).....	64.12	12.30
32 84 23 00-0041 Electric Remote Control Irrigation Valves <small>(32 84 23)</small>		
32 84 23 00-0042 0.2 To 22 GPM, Plastic, Electric Remote Control Irrigation Valves (Rain Bird® DV Series) <small>(32 84 23 00-0041)</small>		
Note: 15 to 150 PSI.		
32 84 23 00-0043 EA 3/4", 0.2 To 22 GPM, Plastic, Electric Remote Control Irrigation Valve (Rain Bird® 75DV).....	128.79	51.28
32 84 23 00-0044 EA 1", 0.2 To 40 GPM, Plastic, Electric Remote Control Irrigation Valve (Rain Bird® 100DV).....	128.79	51.28
32 84 23 00-0045 EA 1", 0.2 To 40 GPM, Slip-On, Plastic, Electric Remote Control Irrigation Valve (Rain Bird® 100DVSS).....	143.45	58.46
32 84 23 00-0046 EA 1", 0.2 To 22 GPM, Plastic, Electric Remote Control Irrigation Angle Valve (Rain Bird® 100DVA).....	129.40	51.28
32 84 23 00-0047 0.2 To 22 GPM, Plastic, Electric Remote Control Irrigation Valves With Flow Control (Rain Bird® DVF Series) <small>(32 84 23 00-0041)</small>		
Note: 15 to 150 PSI.		
32 84 23 00-0048 EA 1", 0.2 To 40 GPM, Plastic, Electric Remote Control Irrigation Valve With Flow Control (Rain Bird® 100DVF).....	129.40	51.28
32 84 23 00-0049 EA 1", 0.2 To 40 GPM, Slip-On, Plastic, Electric Remote Control Irrigation Valve With Flow Control (Rain Bird® 100DVFSS).....	144.37	58.46
32 84 23 00-0050 EA 1", 0.2 To 40 GPM, Male x Barb, Plastic, Electric Remote Control Irrigation Valve With Flow Control (Rain Bird® 100DVFMB).....	144.99	58.46

32 Exterior Improvements**32 80 Irrigation****32 84 Planting Irrigation**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 84 23 00-0051 0.25 To 200 GPM, Plastic, Electric Remote Control Irrigation Valves (Rain Bird® PEB Series) <small>(32 84 23 00-0041)</small> Note: 20 to 200 PSI.		
32 84 23 00-0052 EA 1", 0.25 To 200 GPM, Plastic, Electric Remote Control Irrigation Valve (Rain Bird® 100PEB)	178.82	51.28
32 84 23 00-0053 EA 1-1/2", 0.25 To 200 GPM, Plastic, Electric Remote Control Irrigation Valve (Rain Bird® 150PEB)	200.45	51.28
32 84 23 00-0054 EA 2", 0.25 To 200 GPM, Plastic, Electric Remote Control Irrigation Valve (Rain Bird® 200PEB)	228.25	51.28
32 84 23 00-0055 5 To 200 GPM, Plastic, Electric Remote Control Irrigation Valves With Pressure Regulator (Rain Bird® PEB PRS-D Series) <small>(32 84 23 00-0041)</small> Note: 20 to 200 PSI operating range pressure and 15 to 100 PSI pressure regulation.		
32 84 23 00-0056 EA 1", 5 To 200 GPM, Plastic, Electric Remote Control Irrigation Valve With Pressure Regulator (Rain Bird® 100PEB PRS-D)	239.41	57.64
32 84 23 00-0057 EA 1-1/2", 5 To 200 GPM, Plastic, Electric Remote Control Irrigation Valve With Pressure Regulator (Rain Bird® 150PEB PRS-D)	261.03	57.64
32 84 23 00-0058 EA 2", 5 To 200 GPM, Plastic, Electric Remote Control Irrigation Valve With Pressure Regulator (Rain Bird® 200PEB PRS-D)	288.83	57.64
32 84 23 00-0059 20 To 200 GPM, Plastic, Electric Remote Control Irrigation Valves With Pressure Regulator And Scrubber Valve (Rain Bird® PESB PRS-D Series) <small>(32 84 23 00-0041)</small> Note: 20 to 200 PSI operating range pressure and 15 to 100 PSI pressure regulation.		
32 84 23 00-0060 EA 1", 5 To 200 GPM, Plastic, Electric Remote Control Irrigation Valve With Pressure Regulator And Scrubber Valve (Rain Bird® 100PESB PRS-D)	270.29	57.64
32 84 23 00-0061 EA 1-1/2", 5 To 200 GPM, Plastic, Electric Remote Control Irrigation Valve With Pressure Regulator And Scrubber Valve (Rain Bird® 150PESB PRS-D)	291.92	57.64
32 84 23 00-0062 EA 2", 5 To 200 GPM, Plastic, Electric Remote Control Irrigation Valve With Pressure Regulator And Scrubber Valve (Rain Bird® 200PESB PRS-D)	319.72	57.64
32 84 23 00-0063 0.1 To 300 GPM, Brass, Electric Remote Control Irrigation Valves (Hunter IBV Series) <small>(32 84 23 00-0041)</small> Note: 20 to 200 PSI operating range pressure.		
32 84 23 00-0064 EA 1", 0.1 To 300 GPM, Brass, Electric Remote Control Irrigation Valve (Hunter IBV-101G-B)	240.32	51.28
32 84 23 00-0065 EA 1-1/2", 0.1 To 300 GPM, Brass, Electric Remote Control Irrigation Valve (Hunter IBV-151G-B)	339.72	51.28
32 84 23 00-0066 EA 2", 0.1 To 300 GPM, Brass, Electric Remote Control Irrigation Valve (Hunter IBV-201G-B)	348.71	51.28
32 84 23 00-0067 EA 3", 0.1 To 300 GPM, Brass, Electric Remote Control Irrigation Valve (Hunter IBV-301G-B)	765.99	69.22
32 84 23 00-0068 5 To 200 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valves (Rain Bird® EFB-CP Series) <small>(32 84 23 00-0041)</small> Note: 15 to 200 PSI operating range pressure and 15 to 100 PSI pressure regulation.		
32 84 23 00-0069 EA 1", 5 To 200 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valve (Rain Bird® 100EFB-CP)	232.70	57.64
32 84 23 00-0070 EA 1-1/4", 5 To 200 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valve (Rain Bird® 125EFB-CP)	262.26	57.64
32 84 23 00-0071 EA 1-1/2", 5 To 200 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valve (Rain Bird® 150EFB-CP)	294.36	57.64
32 84 23 00-0072 EA 2", 5 To 200 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valve (Rain Bird® 200EFB-CP)	336.61	57.64
32 84 23 00-0073 0.1 To 300 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valves (Hunter IBV FS Series) <small>(32 84 23 00-0041)</small> Note: 20 to 200 PSI operating range pressure and 20 to 100 PSI pressure regulation.		
32 84 23 00-0074 EA 1", 0.1 To 300 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valve (Hunter IBV-101G-B-FS)	288.27	57.64
32 84 23 00-0075 EA 1-1/2", 0.1 To 300 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valve (Hunter IBV-151G-B-FS)	406.20	57.64
32 84 23 00-0076 EA 2", 0.1 To 300 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valve (Hunter IBV-201G-B-FS)	416.31	57.64
32 84 23 00-0077 EA 3", 0.1 To 300 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valve (Hunter IBV-301G-B-FS)	801.57	57.64
32 84 23 00-0078 0.1 To 300 GPM, Brass, Electric Remote Control Irrigation Valves With Pressure Regulator (Hunter IBV ACCU-SYNC Series) <small>(32 84 23 00-0041)</small> Note: 20 to 200 PSI operating range pressure and 20 to 100 PSI pressure regulation.		
32 84 23 00-0079 EA 1", 0.1 To 300 GPM, Brass, Electric Remote Control Irrigation Valves With Pressure Regulator (Hunter IBV-101G-B ACCU-SYNC-ADJ)	285.25	51.28
32 84 23 00-0080 EA 1-1/2", 0.1 To 300 GPM, Brass, Electric Remote Control Irrigation Valves With Pressure Regulator (Hunter IBV-151G-B ACCU-SYNC-ADJ)	384.65	51.28
32 84 23 00-0081 EA 2", 0.1 To 300 GPM, Brass, Electric Remote Control Irrigation Valves With Pressure Regulator (Hunter IBV-201G-B ACCU-SYNC-ADJ)	393.64	51.28
32 84 23 00-0082 EA 3", 0.1 To 300 GPM, Brass, Electric Remote Control Irrigation Valves With Pressure Regulator (Hunter IBV-301G-B ACCU-SYNC-ADJ)	810.92	69.22



Exterior Improvements		32
	Irrigation	32 80
	Planting Irrigation	32 84

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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 84 23 00-0083 5 To 200 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valves With Pressure Regulator (Rain Bird® EFB-CP PRS-D Series) <small>(32 84 23 00-0041)</small>		
Note: 15 to 200 PSI operating range pressure and 15 to 100 PSI pressure regulation.		
32 84 23 00-0084 EA 1", 5 To 200 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valve With Pressure Regulator (Rain Bird® 100EFB-CP PRS-D)	279.04	57.64
32 84 23 00-0085 EA 1-1/4", 5 To 200 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valve With Pressure Regulator (Rain Bird® 125EFB-CP PRS-D)	308.60	57.64
32 84 23 00-0086 EA 1-1/2", 5 To 200 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valve With Pressure Regulator (Rain Bird® 150EFB-CP PRS-D)	340.69	57.64
32 84 23 00-0087 EA 2", 5 To 200 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valve With Pressure Regulator (Rain Bird® 200EFB-CP PRS-D)	382.94	57.64
32 84 23 00-0088 0.1 To 300 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valves With Pressure Regulator (Hunter IBV FS ACCU-SYNC Series) <small>(32 84 23 00-0041)</small>		
Note: 20 to 200 PSI operating range pressure and 20 to 100 PSI pressure regulation.		
32 84 23 00-0089 EA 1", 0.1 To 300 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valve With Pressure Regulator (Hunter IBV-101G-B-FS ACCU-SYNC-ADJ)	333.19	57.64
32 84 23 00-0090 EA 1-1/2", 0.1 To 300 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valve With Pressure Regulator (Hunter IBV-151G-B-FS ACCU-SYNC-ADJ)	451.13	57.64
32 84 23 00-0091 EA 2", 0.1 To 300 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valve With Pressure Regulator (Hunter IBV-201G-B-FS ACCU-SYNC-ADJ)	461.24	57.64
32 84 23 00-0092 EA 3", 0.1 To 300 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valve With Pressure Regulator (Hunter IBV-301G-B-FS ACCU-SYNC-ADJ)	846.50	57.64
32 84 23 00-0093 Other Electric Remote Control Valves/Accessories <small>(32 84 23 00-0041)</small>		
32 84 23 00-0094 EA Pressure Regulator Module For Electric Remote Control Valves (Rain Bird® PRS-DIAL)	87.36	
32 84 23 00-0095 Irrigation Valve Boxes <small>(32 84 23)</small>		
Note: Includes lid.		
32 84 23 00-0096 EA 6" Round Irrigation Valve Box With Lid (Rain Bird® PVB-6RND)	84.47	36.92
32 84 23 00-0097 EA 7" Round Irrigation Valve Box With Lid (Rain Bird® VB-7RND)	91.76	36.92
32 84 23 00-0098 EA 10" Round Irrigation Valve Box With Lid (Rain Bird® VB-10RND)	120.53	48.62
32 84 23 00-0099 EA 21.8" x 16.6" x 12" Depth, Rectangular Irrigation Valve Box With Lid (Rain Bird® VB-STD)	195.07	70.97
32 84 23 00-0100 EA 21.8" x 16.6" x 12" Depth, Rectangular Irrigation Valve Box With Lock (Rain Bird® VB-STDH)	197.65	70.97
32 84 23 00-0101 EA 26.3" x 19.8" x 12.1" Depth, Rectangular Irrigation Valve Box With Lid (Rain Bird® VB-JMB)	216.18	70.97
32 84 23 00-0102 EA 26.3" x 19.8" x 12.1" Depth, Rectangular Irrigation Valve Box With Lock (Rain Bird® VB-JMBH)	218.39	70.97
32 84 23 00-0103 EA 33.1" x 23.8" x 15" Depth, Rectangular Irrigation Valve Box With Lock (Rain Bird® VB-SPRH)	324.26	70.97
32 84 23 00-0104 EA 40.3" x 27.1" x 18" Depth, Rectangular Irrigation Valve Box With Lock (Rain Bird® VB-MAXH)	461.38	70.97
32 84 23 00-0105 Irrigation Controllers <small>(32 84 23)</small>		
See CSI section 27 14 13 16-0349 for low voltage wiring.		
32 84 23 00-0106 Irrigation Controllers <small>(32 84 23 00-0105)</small>		
32 84 23 00-0107 Irrigation Controllers (Rain Bird®) <small>(32 84 23 00-0106)</small>		
32 84 23 00-0108 Four Program, Indoor Mount, Modular Irrigation Controllers (Rain Bird® ESP Series) <small>(32 84 23 00-0107)</small>		
32 84 23 00-0109 Four Program, Modular Irrigation Controllers (Rain Bird® ESP-ME Series) <small>(32 84 23 00-0108)</small>		
32 84 23 00-0110 Four Program, Indoor Mount, Modular Irrigation Controllers (Rain Bird® ESP-MEI Series) <small>(32 84 23 00-0109)</small>		
32 84 23 00-0111 EA 4-Station, Four Program, Indoor Mount, Modular Irrigation Controller (Rain Bird® ESP-MEI Series)	207.46	28.87
32 84 23 00-0112 EA 7-Station, Four Program, Indoor Mount, Modular Irrigation Controller (Rain Bird® ESP-MEI Series)	291.26	28.87
32 84 23 00-0113 EA 10-Station, Four Program, Indoor Mount, Modular Irrigation Controller (Rain Bird® ESP-MEI Series)	375.04	28.87
32 84 23 00-0114 EA 13-Station, Four Program, Indoor Mount, Modular Irrigation Controller (Rain Bird® ESP-MEI Series)	458.84	28.87
32 84 23 00-0115 EA 16-Station, Four Program, Indoor Mount, Modular Irrigation Controller (Rain Bird® ESP-MEI Series)	513.77	28.87
32 84 23 00-0116 EA 19-Station, Four Program, Indoor Mount, Modular Irrigation Controller (Rain Bird® ESP-MEI Series)	601.17	28.87
32 84 23 00-0117 EA 22-Station, Four Program, Indoor Mount, Modular Irrigation Controller (Rain Bird® ESP-MEI Series)	688.57	28.87
32 84 23 00-0118 Four Program, Outdoor Mount, Modular Irrigation Controllers (Rain Bird® ESP-ME Series) <small>(32 84 23 00-0109)</small>		
32 84 23 00-0119 EA 4-Station, Four Program, Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-ME Series)	230.31	28.87
32 84 23 00-0120 EA 7-Station, Four Program, Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-ME Series)	314.11	28.87
32 84 23 00-0121 EA 10-Station, Four Program, Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-ME Series)	397.89	28.87
32 84 23 00-0122 EA 13-Station, Four Program, Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-ME Series)	481.69	28.87
32 84 23 00-0123 EA 16-Station, Four Program, Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-ME Series)	536.62	28.87
32 84 23 00-0124 EA 19-Station, Four Program, Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-ME Series)	624.02	28.87
32 84 23 00-0125 EA 22-Station, Four Program, Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-ME Series)	711.42	28.87

32 Exterior Improvements**32 80 Irrigation****32 84 Planting Irrigation**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

32 84 23 00-0126	Four Program, Modular Irrigation Controllers (Rain Bird® ESP-SMTE Series) <small>(32 84 23 00-0108)</small>		
32 84 23 00-0127	Four Program, Indoor Mount, Modular Irrigation Controllers (Rain Bird® ESP-SMTEI Series) <small>(32 84 23 00-0126)</small>		
32 84 23 00-0128	EA 4-Station, Four Program, Indoor Mount, Modular Irrigation Controller (Rain Bird® ESP-SMTEI Series).....	286.83	28.87
32 84 23 00-0129	EA 7-Station, Four Program, Indoor Mount, Modular Irrigation Controller (Rain Bird® ESP-SMTEI Series).....	370.64	28.87
32 84 23 00-0130	EA 10-Station, Four Program, Indoor Mount, Modular Irrigation Controller (Rain Bird® ESP-SMTEI Series).....	454.42	28.87
32 84 23 00-0131	EA 13-Station, Four Program, Indoor Mount, Modular Irrigation Controller (Rain Bird® ESP-SMTEI Series).....	538.21	28.87
32 84 23 00-0132	EA 16-Station, Four Program, Indoor Mount, Modular Irrigation Controller (Rain Bird® ESP-SMTEI Series).....	593.14	28.87
32 84 23 00-0133	EA 19-Station, Four Program, Indoor Mount, Modular Irrigation Controller (Rain Bird® ESP-SMTEI Series).....	680.54	28.87
32 84 23 00-0134	EA 22-Station, Four Program, Indoor Mount, Modular Irrigation Controller (Rain Bird® ESP-SMTEI Series).....	767.94	28.87
32 84 23 00-0135	Four Program, Outdoor Mount, Modular Irrigation Controllers (Rain Bird® ESP-SMTE Series) <small>(32 84 23 00-0126)</small>		
32 84 23 00-0136	EA 4-Station, Four Program, Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-SMTE Series).....	303.96	28.87
32 84 23 00-0137	EA 7-Station, Four Program, Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-SMTE Series).....	387.76	28.87
32 84 23 00-0138	EA 10-Station, Four Program, Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-SMTE Series).....	471.54	28.87
32 84 23 00-0139	EA 13-Station, Four Program, Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-SMTE Series).....	555.33	28.87
32 84 23 00-0140	EA 16-Station, Four Program, Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-SMTE Series).....	610.26	28.87
32 84 23 00-0141	EA 19-Station, Four Program, Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-SMTE Series).....	697.66	28.87
32 84 23 00-0142	EA 22-Station, Four Program, Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-SMTE Series).....	785.06	28.87
32 84 23 00-0143	Accessories For ESP-ME/MEI Irrigation Controllers <small>(32 84 23 00-0108)</small>		
32 84 23 00-0144	EA 3-Station Expansion Module For ESP Series Irrigation Controllers (Rain Bird® ESP-SM3)..... Note: Use task for increasing capacity of existing ESP series irrigation controllers up to a maximum of 22-stations.	87.40	
32 84 23 00-0145	EA 6-Station Expansion Module For ESP Series Irrigation Controllers (Rain Bird® ESP-SM6)..... Note: Use task for increasing capacity of existing ESP series irrigation controllers up to a maximum of 22-stations.	170.04	
32 84 23 00-0146	EA Smart Controller Upgrade Kit For ESP Series Irrigation Controllers (Rain Bird® ESPSMTEUPG).....	180.43	
32 84 23 00-0147	Four Program, Indoor/Outdoor Mount, Modular Irrigation Controllers (Rain Bird® ESP-LX Series) <small>(32 84 23 00-0107)</small>		
32 84 23 00-0148	Four Program, Indoor/Outdoor Mount, Modular Irrigation Controllers (Rain Bird® ESP-LX Basic Series) <small>(32 84 23 00-0147)</small>		
32 84 23 00-0149	EA 12-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LX Basic Series).....	460.34	28.87
32 84 23 00-0150	EA 16-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LX Basic Series).....	564.08	28.87
32 84 23 00-0151	EA 20-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LX Basic Series).....	668.91	28.87
32 84 23 00-0152	EA 24-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LX Basic Series).....	772.65	28.87
32 84 23 00-0153	EA 28-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LX Basic Series).....	877.49	28.87
32 84 23 00-0154	EA 32-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LX Basic Series).....	981.22	28.87
32 84 23 00-0155	EA 36-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LX Basic Series).....	1,086.06	28.87
32 84 23 00-0156	EA 40-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LX Basic Series).....	1,189.79	28.87
32 84 23 00-0157	EA 44-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LX Basic Series).....	1,294.63	28.87
32 84 23 00-0158	EA 48-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LX Basic Series).....	1,398.37	28.87
32 84 23 00-0159	Four Program, Indoor/Outdoor Mount, Modular Irrigation Controllers (Rain Bird® ESP-LXME Series) <small>(32 84 23 00-0147)</small>		
32 84 23 00-0160	EA 8-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LXME Series).....	423.11	28.87
32 84 23 00-0161	EA 12-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LXME Series).....	526.83	28.87
32 84 23 00-0162	EA 16-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LXME Series).....	631.68	28.87
32 84 23 00-0163	EA 20-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LXME Series).....	735.40	28.87
32 84 23 00-0164	EA 24-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LXME Series).....	840.25	28.87
32 84 23 00-0165	EA 28-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LXME Series).....	943.98	28.87
32 84 23 00-0166	EA 32-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LXME Series).....	1,048.82	28.87
32 84 23 00-0167	EA 36-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LXME Series).....	1,152.55	28.87
32 84 23 00-0168	EA 40-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LXME Series).....	1,257.39	28.87
32 84 23 00-0169	EA 44-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LXME Series).....	1,361.12	28.87
32 84 23 00-0170	EA 48-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LXME Series).....	1,465.97	28.87
32 84 23 00-0171	Accessories For ESP-LX/LXME Irrigation Controllers <small>(32 84 23 00-0147)</small>		
32 84 23 00-0172	EA Powder Coated Steel Wall Cabinet For ESP-LX/LXME Irrigation Controllers (Rain Bird® LXMM).....	274.40	
32 84 23 00-0173	EA Powder Coated Steel Cabinet And Pedestal For ESP-LX/LXME Irrigation Controllers (Rain Bird® LXMMPED + LXMM)..... Note: Excludes concrete foundation.	623.61	
32 84 23 00-0174	EA Stainless Steel Wall Cabinet For ESP-LX/LXME Irrigation Controllers (Rain Bird® LXMMSS).....	554.21	
32 84 23 00-0175	EA Stainless Steel Cabinet And Pedestal For ESP-LX/LXME Irrigation Controllers (Rain Bird® LXMMSSPED + LXMMSS)..... Note: Excludes concrete foundation.	1,222.03	
32 84 23 00-0176	EA 4-Station Expansion Module For ESP-LX/LXME Irrigation Controllers (Rain Bird® ESPLXMSM4)..... Note: Use task for increasing capacity of existing ESP-LX/LXME irrigation controllers up to a maximum of 48-stations.	103.74	



		Exterior Improvements	32
		Irrigation	32 80
		Planting Irrigation	32 84

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MINOR CSI UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 84 23 00-0177	EA 8-Station Expansion Module For ESP-LX/LXME Irrigation Controllers (Rain Bird® ESPLXMSM8)208.57 Note: Use task for increasing capacity of existing ESP-LX/LXME irrigation controllers up to a maximum of 48-stations.	208.57	
32 84 23 00-0178	EA 12-Station Expansion Module For ESP-LX/LXME Irrigation Controllers (Rain Bird® ESPLXMSM12) .....319.92 Note: Use task for increasing capacity of existing ESP-LX/LXME irrigation controllers up to a maximum of 48-stations.	319.92	
32 84 23 00-0179	EA Flow Smart Water Management Module For ESP-LXME Irrigation Controllers (Rain Bird® FSM-LXME).....110.37	110.37	
32 84 23 00-0180	Three Program, Battery-Operated, Buriable Irrigation Control Modules (Rain Bird® TBOS-II Series) (32 84 23 00-0107)		
32 84 23 00-0181	Three Program, Battery-Operated, Buriable Irrigation Control Modules (Rain Bird® TBOS-II Series) (32 84 23 00-0180)		
32 84 23 00-0182	EA 1-Station, Three Program, Battery-Operated, Buriable Irrigation Control Module (Rain Bird® TBOS-II Series).....202.95	202.95	28.87
32 84 23 00-0183	EA 2-Station, Three Program, Battery-Operated, Buriable Irrigation Control Module (Rain Bird® TBOS-II Series).....251.21	251.21	28.87
32 84 23 00-0184	EA 4-Station, Three Program, Battery-Operated, Buriable Irrigation Control Module (Rain Bird® TBOS-II Series).....328.89	328.89	28.87
32 84 23 00-0185	Accessories For TBOS-II Series Irrigation Controllers (32 84 23 00-0180)		
32 84 23 00-0186	EA Field Transmitter For TBOS-II Series Irrigation Controllers (Rain Bird® TBOS2FTUS) .....193.93	193.93	
32 84 23 00-0187	EA Potted Latching Solenoid For TBOS-II Series Irrigation Controllers (Rain Bird® TBOSPSOL) .....59.35	59.35	21.65
32 84 23 00-0188	Accessories For Irrigation Controllers (Rain Bird®) (32 84 23 00-0107)		
32 84 23 00-0189	EA Wired Rain Sensor For Irrigation Controllers (Rain Bird® RSDBEX).....104.87	104.87	21.65
32 84 23 00-0190	EA Wireless Rain Sensor And Controller Interface For Irrigation Controllers (Rain Bird® WR2RC) .....195.86	195.86	21.65
32 84 23 00-0191	EA Wireless Rain/Freeze Sensor And Controller Interface For Irrigation Controllers (Rain Bird® WR2RFC).....202.51	202.51	21.65
32 84 23 00-0192	EA Soil Moisture Sensor And Controller Interface For Irrigation Controllers (Rain Bird® SMRT-Y).....260.13	260.13	21.65
32 84 23 00-0193	Two-Wire Decoder Systems (32 84 23 00-0105)		
32 84 23 00-0194	Two-Wire Decoder Systems (Rain Bird®) (32 84 23 00-0193)		
32 84 23 00-0195	Controllers For Two-Wire Decoder Systems (Rain Bird® ESP-LXD Series) (32 84 23 00-0194) Note: Includes water resistant cabinet.		
32 84 23 00-0196	EA 50-Station, Modular Controller For Two-Wire Decoder Systems (Rain Bird® ESP-LXD Series) .....1,139.36	1,139.36	28.87
32 84 23 00-0197	EA 125-Station, Modular Controller For Two-Wire Decoder Systems (Rain Bird® ESP-LXD Series).....1,816.26	1,816.26	28.87
32 84 23 00-0198	EA 200-Station, Modular Controller For Two-Wire Decoder Systems (Rain Bird® ESP-LXD Series).....2,493.17	2,493.17	28.87
32 84 23 00-0199	Field Decoders For Two-Wire Decoder Systems (Rain Bird®) (32 84 23 00-0194)		
32 84 23 00-0200	EA One Individual Valve Interface, Field Decoder For Two-Wire Decoder System (Rain Bird® FD101TURF).....153.15	153.15	28.87
32 84 23 00-0201	EA One Pair Of Valves Interface, Field Decoder For Two-Wire Decoder System (Rain Bird® FD102TURF).....191.96	191.96	28.87
32 84 23 00-0202	EA Two Pair Of Valves Interface, Field Decoder For Two-Wire Decoder System (Rain Bird® FD202TURF).....279.22	279.22	28.87
32 84 23 00-0203	EA Up To Four Individual Valves Interface, Field Decoder For Two-Wire Decoder System (Rain Bird® FD401TURF).....326.20	326.20	28.87
32 84 23 00-0204	EA Up To Six Individual Valves Interface, Field Decoder For Two-Wire Decoder System (Rain Bird® FD601TURF).....513.41	513.41	28.87
32 84 23 00-0205	Accessories For Two-Wire Decoder Systems (Rain Bird®) (32 84 23 00-0194)		
32 84 23 00-0206	EA 50-Station Replacement Base Module For ESP-LXD Series Two Wire Decoder Based Controllers (Rain Bird® MOD50-LXD).....879.98	879.98	
32 84 23 00-0207	EA 75-Station Expansion Module For ESP-LXD Series Two Wire Decoder Based Controllers (Rain Bird® SPLXDSM75) .....676.90	676.90	
32 84 23 00-0208	EA Line Surge Protection For ESP-LXD Series Two-Wire Decoder Systems (Rain Bird® LSP1TURF).....117.57	117.57	25.26
32 84 23 00-0209	EA Sensor Decoder Interface For ESP-LXD Series Two-Wire Decoder Systems (Rain Bird® SD210TURF).....424.00	424.00	28.87
32 84 23 00-0210	Calsense Controllers (32 84 23 00-0105)		
32 84 23 00-0211	Irrigation Controllers (32 84 23 00-0210)		
32 84 23 00-0212	EA 6 Station ET-Driven Irrigation Controller (Calsense ET2000E-6).....1,454.78	1,454.78	72.16
32 84 23 00-0213	EA 8 Station ET-Driven Irrigation Controller (Calsense ET2000E-8).....1,868.99	1,868.99	81.18
32 84 23 00-0214	EA 12 Station ET-Driven Irrigation Controller (Calsense ET2000E-12).....2,551.39	2,551.39	90.20
32 84 23 00-0215	EA 16 Station ET-Driven Irrigation Controller (Calsense ET2000E-16).....2,801.29	2,801.29	90.20
32 84 23 00-0216	EA 24 Station ET-Driven Irrigation Controller (Calsense ET2000E-24).....3,306.95	3,306.95	99.22
32 84 23 00-0217	EA 32 Station ET-Driven Irrigation Controller (Calsense ET2000E-32).....3,977.41	3,977.41	99.22
32 84 23 00-0218	EA 40 Station ET-Driven Irrigation Controller (Calsense ET2000E-40).....4,501.34	4,501.34	108.25
32 84 23 00-0219	EA 48 Station ET-Driven Irrigation Controller (Calsense ET2000E-48).....5,031.61	5,031.61	108.25
32 84 23 00-0220	EA Upgrade Existing Calsense Controller To ET2000E (Calsense ET2000E-UPGRADE) .....1,457.41	1,457.41	36.08
32 84 23 00-0221	EA Upgrade Existing Calsense Controller With 8 Additional Stations (Calsense STATION UPGRADE) .....626.26	626.26	36.08
32 84 23 00-0222	Irrigation Controller Accessories (32 84 23 00-0210)		
32 84 23 00-0223	EA Set Of 10 Keys For Calsense Controllers Or Enclosures (Calsense KEY-1) .....58.51	58.51	
32 84 23 00-0224	EA Spare Lock For Enclosures (Calsense PAD).....63.39	63.39	
32 84 23 00-0225	EA Hardware And Software For Up To 4 Additional Light Circuits (Calsense L) .....81.43	81.43	9.02
32 84 23 00-0226	EA Transformer For Irrigation Controllers (Calsense TR-1).....133.11	133.11	36.08
32 84 23 00-0227	EA AC Line Protection For Irrigation Controllers (Calsense TP-110) .....322.06	322.06	36.08

32 Exterior Improvements**32 80 Irrigation****32 84 Planting Irrigation**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 84 23 00-0228 EA Transient Protection Board For Irrigation Controller Stations (Calsense TP-1)..... <i>For Outdoor Gray Powder Coated Stainless Steel Enclosure, Add</i>	419.58 341.44	36.08
32 84 23 00-0229 Sensors For Irrigation Controllers (32 84 23 00-0210)		
32 84 23 00-0230 Flow Sensors (32 84 23 00-0229)		
32 84 23 00-0231 EA 1-1/2" Polyvinyl Chloride (PVC) Schedule 80 Tee Mounted Flow Meter (Calsense FM 1.5) <i>For Flow Meter Replacement Insert Only, Deduct</i>	729.95 -362.78	54.12
32 84 23 00-0232 EA 2" Polyvinyl Chloride (PVC) Schedule 80 Tee Mounted Flow Meter (Calsense FM 2) <i>For Flow Meter Replacement Insert Only, Deduct</i>	754.33 -387.16	54.12
32 84 23 00-0233 EA 3" Polyvinyl Chloride (PVC) Schedule 80 Tee Mounted Flow Meter (Calsense FM 3) <i>For Flow Meter Replacement Insert Only, Deduct</i>	778.71 -411.54	54.12
32 84 23 00-0234 EA 1" Brass Tee Mounted Flow Meter (Calsense FM 1B) <i>For Flow Meter Replacement Insert Only, Deduct</i>	869.65 -502.27	72.16
32 84 23 00-0235 EA 1-1/4" Brass Tee Mounted Flow Meter (Calsense FM 1.25B) <i>For Flow Meter Replacement Insert Only, Deduct</i>	930.60 -563.22	72.16
32 84 23 00-0236 EA 1-1/2" Brass Tee Mounted Flow Meter (Calsense FM 1.5B) <i>For Flow Meter Replacement Insert Only, Deduct</i>	954.98 -587.60	72.16
32 84 23 00-0237 EA 2" Brass Tee Mounted Flow Meter (Calsense FM 2B) <i>For Flow Meter Replacement Insert Only, Deduct</i>	1,113.45 -617.79	72.16
32 84 23 00-0238 EA 2" Pipe Saddle Mounted Insertion Flow Meter (Calsense FMBX) Note: For 4" and larger pipe. Excludes pipe saddle. <i>For Flow Meter Replacement Insert Only, Deduct</i>	852.33 -356.67	36.08
32 84 23 00-0239 Moisture Sensors (32 84 23 00-0229)		
32 84 23 00-0240 EA Soil Moisture Sensor (Calsense 1000-S).....	310.11	27.06
32 84 23 00-0241 Weather Sensors (32 84 23 00-0229)		
32 84 23 00-0242 EA Wind Gage, Irrigation Weather Sensor (Calsense WG-1).....	845.27	72.16
32 84 23 00-0243 EA Tipping Rain Bucket, Irrigation Weather Sensor (Calsense RB-1).....	1,013.97	144.33
32 84 23 00-0244 EA ET Gage, Irrigation Weather Sensor (Calsense ETG).....	1,892.63	108.25
32 84 23 00-0245 Weather Sensor Accessories (32 84 23 00-0229)		
32 84 23 00-0246 EA Replacement Ceramic Cup For ET Gage Weather Sensor (Calsense ETG-C).....	559.77	
32 84 23 00-0247 EA Replacement Circuit Board For ET Gage Weather Sensor (Calsense ETG-PCB).....	1,035.19	
32 84 23 00-0248 EA Vandal Resistant Mounting Base For ET Gage Enclosure (Calsense ETGE-BASE).....	559.77	36.08
32 84 23 00-0249 EA Vandal Resistant Stainless Steel Enclosure For ET Gage (Calsense ETGE).....	1,249.00	36.08
32 84 23 00-0250 Antennas For Irrigation Controllers (32 84 23 00-0210)		
Note: Excludes antenna cable.		
32 84 23 00-0251 EA Local Radio Dome Antenna (Calsense LR-DOME).....	303.77	36.08
32 84 23 00-0252 EA Local Radio Stick Antenna (Calsense LR-STICK).....	431.77	36.08
32 84 23 00-0253 EA Local Radio Yagi Antenna (Calsense LR-YAGI).....	503.94	72.16
32 84 23 00-0254 EA Local Radio And Calsense Radio, Remote Dome Antenna (Calsense LR-DOME-RR).....	303.77	36.08
32 84 23 00-0255 EA Local Radio And Calsense Radio, Enhanced Remote Dome Antenna (Calsense LR-DOME-RRE).....	303.77	36.08
32 84 23 00-0256 EA GPRS Stubby Antenna (Calsense GR-STUBBY).....	303.77	36.08
32 84 23 00-0257 EA GPRS Stick Antenna (Calsense GR-STICK).....	431.77	36.08
32 84 23 00-0258 EA Spread Spectrum Dome Antenna (Calsense SR-DOME).....	303.77	36.08
32 84 23 00-0259 EA Spread Spectrum Stick Antenna (Calsense SR-STICK).....	431.77	36.08
32 84 23 00-0260 EA Spread Spectrum Yagi Antenna (Calsense SR-YAGI).....	503.94	72.16
32 84 23 00-0261 EA Spread Spectrum And Calsense Radio, Remote Dome Antenna (Calsense SR-DOME-RR).....	303.77	36.08
32 84 23 00-0262 EA Spread Spectrum And Calsense Radio, Enhanced Remote Dome Antenna (Calsense SR-DOME-RRE).....	303.77	36.08
32 84 23 00-0263 EA Spread Spectrum Stubby Antenna (Calsense SR-STUBBY).....	303.77	36.08
32 84 23 00-0264 EA WiFi Stubby Antenna (Calsense WEN-STUBBY).....	303.77	36.08
32 84 23 00-0265 LF Antenna Cable With End Connectors (Calsense LMR-400-DB).....	7.93	0.43
32 84 23 00-0266 EA Surge Protection Device For Antenna (Calsense ANT-PROT).....	292.07	18.04
32 84 23 00-0267 EA 5' High, Non-Penetrating, Antenna Tripod Mount (Calsense ANT-TRIP5).....	480.53	36.08
32 84 23 00-0268 EA 3' Antenna Stand Off Mount For 3" Maximum Tower Leg (Calsense ANT-SOM).....	396.18	
32 84 23 00-0269 EA Local Radio Frequency Filter (Calsense LR-FILTER).....	560.75	
32 84 23 00-0270 EA Spread Spectrum Frequency Filter (Calsense SR-FILTER).....	414.47	
32 84 23 00-0271 Pedestals And Enclosures For Irrigation Controllers (32 84 23 00-0210)		
32 84 23 00-0272 EA 15 Amp, Circuit Breaker With Enclosure For Irrigation Controllers (Calsense SSE-BREAKER).....	291.10	54.12
32 84 23 00-0273 EA Standard Gray Powder Coated Stainless Steel Controller Enclosure (Calsense C-BOX).....	679.09	90.20
32 84 23 00-0274 EA Indoor Wall Mount, Stainless Steel Back Panel (Calsense SSBP)..... Note: Includes GFI and receptacle.	712.15	36.08
32 84 23 00-0275 EA Standard Gray Powder Coated Stainless Steel Pedestal (Calsense PD-1)..... Note: Includes factory installed transient protection board and AC line protection.	840.39	27.06
32 84 23 00-0276 EA Heavy-Duty Stainless Steel Enclosure For Irrigation Controllers (Calsense SSE)..... Note: Includes factory installed transient protection board and AC line protection.	2,596.61	27.06
32 84 23 00-0277 EA Heavy-Duty Stainless Steel Enclosure For Irrigation Controllers (Calsense SSE-R)..... Note: Includes factory installed transient protection board, AC line protection and dome antenna.	2,931.01	27.06
32 84 23 00-0278 EA Double-Wide Heavy-Duty Stainless Steel Enclosure For Irrigation Controllers (Calsense SSE-D)..... Note: Includes factory installed transient protection boards and AC line protection. Pre-wired for two controllers.	4,262.34	54.12



		Exterior Improvements	32
		Irrigation	32 80
		Planting Irrigation	32 84

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 84 23 00-0279 EA Double-Wide Heavy-Duty Stainless Steel Enclosure For Irrigation Controllers (Calsense SSE-D-R) Note: Includes factory installed transient protection boards, AC line protection and dome antenna. Pre-wired for two controllers.	4,465.97	54.12
32 84 23 00-0280 EA Bolt Mounting Template For Heavy-Duty Stainless Steel Enclosures (Calsense SSE-CAM)	151.02	
32 84 23 00-0281 EA Stainless Steel Fully Enclosed Riser For Calsense SSE Enclosures (Calsense SSE-PED)	486.87	
32 84 23 00-0282 Central Computer For Irrigation Control Systems <small>(32 84 23 00-0210)</small>		
32 84 23 00-0283 EA Central Computer For Irrigation Control Systems (Calsense COMP-2)..... Note: Includes a minimum of 133 MHz Pentium, 32 Meg Ram, 1.2 GB hard drive, 14.4 modem and a printer. Excludes Command Center Water Management software.	3,274.86	
32 84 23 00-0284 EA Command Center Water Management Software For Central Computer (Calsense COMM-1).....	5,779.39	
32 84 23 00-0285 EA Up To 5 Simultaneous Users Capacity, Calsense Advantage Client/Server Database Add-On (Calsense CS-5)..... Note: Package price for up to 5 users. Includes remote communication through internet connection.	1,116.58	
32 84 23 00-0286 EA >5 To 10 Simultaneous Users Capacity, Calsense Advantage Client/Server Database Add-On (Calsense CS-10) Note: Package price for 6 to 10 users. Includes remote communication through internet connection.	2,182.64	
32 84 23 00-0287 EA Data Logger With Phone Modem For Irrigation Control Systems (Calsense DL-2)	3,508.87	
32 84 23 00-0288 EA GPRS Radio For Use At Central Computer (Calsense DTR-G)	2,094.50	
32 84 23 00-0289 Data Access Service <small>(32 84 23 00-0210)</small>		
32 84 23 00-0290 EA 1 Month, Data Access Plan For Up To 2 Controllers (Calsense COMM-1MN) Note: For communication between GPRS unit and up to 2 controllers.	17.73	
32 84 23 00-0291 EA 1 Year, Data Access Plan For Up To 2 Controllers (Calsense COMM-1YR) Note: For communication between GPRS unit and up to 2 controllers.	193.94	
32 84 23 00-0292 EA 5 Year, Data Access Plan For Up To 2 Controllers (Calsense COMM-5YR) Note: For communication between GPRS unit and up to 2 controllers.	831.15	
32 84 23 00-0293 EA 1 Month, Data Access Plan For Up To 2 Controllers (Calsense COMM-1MN-M)..... Note: For communication between GPRS unit and multiple controllers.	72.03	
32 84 23 00-0294 EA 1 Year, Data Access Plan For Up To 2 Controllers (Calsense COMM-1YR-M)..... Note: For communication between GPRS unit and multiple controllers.	775.74	
32 84 23 00-0295 EA 5 Year, Data Access Plan For Up To 2 Controllers (Calsense COMM-5YR-M)..... Note: For communication between GPRS unit and multiple controllers.	3,324.60	
32 84 23 00-0296 Communication Options For Irrigation Controllers <small>(32 84 23 00-0210)</small>		
32 84 23 00-0297 EA FCC License Fee (Calsense).....	130.28	
32 84 23 00-0298 EA P.C.I.A. And/Or A.P.C.O. Fee (Calsense)..... Note: Per frequency or frequency pair.	241.10	
32 84 23 00-0299 EA Hardware Communication Option For Irrigation Controllers (Calsense M)..... Note: Allows multiple controllers to be chained together via a communications cable and share one phone line.	642.76	
32 84 23 00-0300 EA Phone Line Communication Option For Irrigation Controllers (Calsense R).....	676.00	
32 84 23 00-0301 EA Ethernet Communication Option For Irrigation Controllers (Calsense EN).....	676.00	
32 84 23 00-0302 EA WiFi Communication Option For Irrigation Controllers (Calsense WEN).....	1,385.25	
32 84 23 00-0303 EA Local Radio Communication Option For Irrigation Controllers (Calsense LR).....	1,762.04	
32 84 23 00-0304 EA Spread Spectrum Radio Communication Option For Irrigation Controllers (Calsense SR).....	1,762.04	
32 84 23 00-0305 EA GPRS Radio Modem Communication Option For Irrigation Controllers (Calsense GR).....	1,762.04	
32 84 23 00-0306 EA Fiber Optic Modem Communication Option For Irrigation Controllers (Calsense FOM).....	5,651.82	
32 84 23 00-0307 EA Communication Hub For Irrigation Controllers (Calsense HUB)..... Note: Accepts up to two communication options. Excludes communication options.	2,188.76	
32 84 23 00-0308 Retrofit Options For Irrigation Controllers <small>(32 84 23 00-0210)</small>		
32 84 23 00-0309 Weather Retrofits For Irrigation Controllers <small>(32 84 23 00-0306)</small>		
32 84 23 00-0310 EA Add One Flow Sensor Interface To An Existing Calsense Controller (Calsense F-RETRO)	886.69	
32 84 23 00-0311 EA Add One ET Gage Interface To An Existing Calsense Controller (Calsense G-RETRO)	886.69	
32 84 23 00-0312 EA Add One Tipping Rain Bucket Interface To An Existing Calsense Controller (Calsense RB-RETRO)	886.69	
32 84 23 00-0313 EA Add One Wind Gage Interface To An Existing Calsense Controller (Calsense WG-RETRO)	886.69	
32 84 23 00-0314 Phone Communication Retrofits For Irrigation Controllers <small>(32 84 23 00-0308)</small>		
32 84 23 00-0315 EA Add The Ability To Chain To Another Calsense Controller With The Phone Line Communication Option And Share One Phone Line (Calsense M-RETRO)	931.02	
32 84 23 00-0316 EA Add The Phone Line Communication Option To An Existing Calsense Controller (Calsense R-RETRO).....	1,097.24	
32 84 23 00-0317 EA Add The Phone Line Communication Option And The Ability To Chain To Another Calsense Controller And Share One Phone Line (Calsense MLR-RETRO).....	1,745.54	
32 84 23 00-0318 Local Radio Communication Retrofits For Irrigation Controllers <small>(32 84 23 00-0308)</small>		
32 84 23 00-0319 EA Add The Ability To Chain To Another Calsense Controller With The Local Radio Communication Option And Share One Local Radio (Calsense ML-RETRO).....	1,041.84	
32 84 23 00-0320 EA Add The Local Radio Communication Option To An Existing Calsense Controller (Calsense LR-RETRO).....	2,172.20	
32 84 23 00-0321 EA Add The Local Radio Communication Option And The Ability To Chain To Another Calsense Controller And Share One Local Radio (Calsense MLR-RETRO).....	2,814.96	
32 84 23 00-0322 Spread Spectrum Radio Communication Retrofits For Irrigation Controllers <small>(32 84 23 00-0308)</small>		
32 84 23 00-0323 EA Add The Ability To Chain To Another Calsense Controller With The Spread Spectrum Radio Communication Option And Share One Spread Spectrum Radio (Calsense MS-Retro).....	1,041.84	

32 Exterior Improvements**32 80 Irrigation****32 84 Planting Irrigation**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 84 23 00-0324 EA Add The Spread Spectrum Radio Communication Option To An Existing Calsense Controller (Calsense SR-RETRO).....	2,172.20	
32 84 23 00-0325 EA Add The Spread Spectrum Radio Communication Option And The Ability To Chain To Another Calsense Controller And Share One Spread Spectrum Radio (Calsense MSR-RETRO)	2,814.96	
32 84 23 00-0326 Ethernet Communication Retrofits For Irrigation Controllers (32 84 23 00-0308)		
32 84 23 00-0327 EA Add The Ability To Chain To Another Calsense Controller With The Ethernet Communication Option And Share One Ethernet Device (Calsense ME-Retro).....	1,041.84	
32 84 23 00-0328 EA Add The Ethernet Communication Option To An Existing Calsense Controller (Calsense EN-RETRO)	1,097.24	
32 84 23 00-0329 EA Add The Ethernet Communication Option And The Ability To Chain To Another Calsense Controller And Share One Ethernet Device (Calsense MEN-RETRO)	1,745.54	
32 84 23 00-0330 GPRS Radio Modem Communication Retrofits For Irrigation Controllers (32 84 23 00-0309)		
32 84 23 00-0331 EA Add The Ability To Chain To Another Calsense Controller With The GPRS Communication Option And Share One GPRS Modem (Calsense MG-RETRO).....	1,041.84	
32 84 23 00-0332 EA Add The GPRS Communication Option To An Existing Calsense Controller (Calsense GR-RETRO)	2,172.20	
32 84 23 00-0333 EA Add The GPRS Communication Option And The Ability To Chain To Another Calsense Controller And Share One GPRS Modem (Calsense MGR-RETRO)	2,814.96	
32 84 23 00-0334 Radio Remote Units For Irrigation Controllers (32 84 23 00-0210)		
32 84 23 00-0335 EA Enhanced Radio Remote Hand-Held Transmitter With Carry Case (Calsense RRe-TRAN)	1,047.38	
32 84 23 00-0336 EA Calsense Integrated Radio Remote Receiver Board (Calsense RR/RRe)..... Note: Includes polyvinyl chloride (PVC) stick antenna. Excludes antenna cable.	219.42	
32 84 23 00-0337 EA Wall Mount Charger For Hand-Held Transmitter (Calsense RRTRAN-CHG)	94.20	
32 84 23 00-0338 EA Replacement Battery For Hand-Held Transmitter (Calsense RRTRAN-BAT).....	173.19	
32 84 23 00-0339 EA Polyvinyl Chloride (PVC) Stick Antenna For Radio Remote Receiver Board (Calsense RR-ANT)	112.24	9.02
Note: Excludes antenna cable.		
32 84 23 00-0340 EA Whip Antenna For Radio Remote Receiver Board (Calsense RRe-WHIP).....	211.98	9.02
Note: Excludes antenna cable.		
32 84 23 00-0341 EA Dome Antenna For Radio Remote Receiver Board (Calsense RR-Dome/RRe-Dome)	228.60	9.02
Note: Excludes antenna cable.		
32 84 23 00-0342 Satellite Irrigation Controllers (Rain Bird® ESP-SAT) (32 84 23 00-0105)		
Note: Satellite controllers compatible with Maxi-Con Central Control. Includes link communication with SEMET at the controller and stainless steel cabinet. Excludes concrete pad.		
32 84 23 00-0343 EA 12 Station, Satellite Irrigation Controller With Stainless Steel Cabinet (Rain Bird® RBESP12SATLS)	2,509.24	162.36
32 84 23 00-0344 EA 24 Station, Satellite Irrigation Controller With Stainless Steel Cabinet (Rain Bird® RBESP24SATLS)	2,646.31	171.39
32 84 23 00-0345 EA 40 Station, Satellite Irrigation Controller With Stainless Steel Cabinet (Rain Bird® RBESP40SATLS)	3,637.92	180.40
32 84 23 00-0346 Irrigation Valves (32 84 23)		
32 84 23 00-0347 Reduced Pressure Zone Valves With QT Shut-Offs (32 84 23 00-0346)		
Note: Includes ball type test cocks, two quarter-turn (QT) full port resilient seated bronze body ball valves, and captured spring assemblies (Watts 009 QT series).		
32 84 23 00-0348 EA 3/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 009M3 QT series)	448.11	42.35
32 84 23 00-0349 EA 1" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 009M2 QT series)	533.46	51.70
32 84 23 00-0350 EA 1-1/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 009M2 QT series)	784.48	60.18
32 84 23 00-0351 EA 1-1/2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 009M2 QT series)	835.47	69.09
32 84 23 00-0352 EA 2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 009M2 QT series)	1,010.66	89.15
32 84 23 00-0353 Brass Quick-Coupling Irrigation Valves (32 84 23 00-0346)		
32 84 23 00-0354 EA 3/4", 1-Piece Brass Body, Quick-Coupling Irrigation Valve (Rain Bird® 3RC).....	121.59	36.92
For Valve Key, Add	22.70	
32 84 23 00-0355 EA 3/4", 2-Piece Brass Body, Quick-Coupling Irrigation Valve (Rain Bird® 33DRC)	124.21	36.92
For Locking Cover, Add	25.00	
For Valve Key, Add	22.70	
32 84 23 00-0356 EA 1", 1-Piece Brass Body, Quick-Coupling Irrigation Valve (Rain Bird® 44RC).....	153.09	36.92
For Valve Key, Add	58.07	
32 84 23 00-0357 EA 1", 2-Piece Brass Body, Quick-Coupling Irrigation Valve (Rain Bird® 44LRC).....	163.59	36.92
For Valve Key, Add	58.07	
32 84 23 00-0358 EA 1", 1-Piece Brass Body, Non-Potable (Purple) Quick-Coupling Irrigation Valve (Rain Bird® 5NP).....	158.65	36.92
32 84 23 00-0359 EA 1", 2-Piece Brass Body, Non-Potable (Purple) Quick-Coupling Irrigation Valve (Rain Bird® 44NP).....	163.59	36.92
32 84 23 00-0360 Anti-Siphon Pressure Type Vacuum Breaker (32 84 23 00-0346)		
Note: Pressure: 15 to 150 PSI, temperature: 33 to 140 degrees Fahrenheit.		
32 84 23 00-0361 EA 3/4" Anti-Siphon Pressure Type Vacuum Breaker (Watts 800M4QT)	150.18	31.20
32 84 23 00-0362 EA 1" Anti-Siphon Pressure Type Vacuum Breaker (Watts 800M4QT)	204.15	35.66
32 84 23 00-0363 EA 1-1/4" Anti-Siphon Pressure Type Vacuum Breaker (Watts 800M4QT).....	343.27	41.23
32 84 23 00-0364 EA 1-1/2" Anti-Siphon Pressure Type Vacuum Breaker (Watts 800M4QT).....	415.75	45.68
32 84 23 00-0365 EA 2" Anti-Siphon Pressure Type Vacuum Breaker	429.62	55.71
32 84 23 00-0366 Irrigation Piping (32 84 23)		



Exterior Improvements		32
Irrigation		32 80
Planting Irrigation		32 84

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 84 23 00-0367	LF		3/4" Class 200 Polyvinyl Chloride (PVC) Socketweld Pipe With Fittings <i>For >1,000, Deduct</i>	2.81 -0.14	1.29
32 84 23 00-0368	LF		1" Class 200 Polyvinyl Chloride (PVC) Socketweld Pipe With Fittings <i>For >1,000, Deduct</i>	3.36 -0.17	1.54
32 84 23 00-0369	LF		1-1/2" Class 200 Polyvinyl Chloride (PVC) Socketweld Pipe With Fittings <i>For >1,000, Deduct</i>	4.59 -0.23	1.95
32 84 23 00-0370	LF		2" Class 200 Polyvinyl Chloride (PVC) Socketweld Pipe With Fittings <i>For >1,000, Deduct</i>	5.84 -0.29	2.44
32 84 23 00-0371	LF		2-1/2" Class 200 Polyvinyl Chloride (PVC) Socketweld Pipe With Fittings <i>For >1,000, Deduct</i>	7.22 -0.36	2.86
32 84 23 00-0372	LF		1/2" Schedule 40 Polyvinyl Chloride (PVC) Pipe With Fittings..... <i>For >1,000, Deduct</i>	2.33 -0.12	1.03
32 84 23 00-0373	LF		3/4" Schedule 40 Polyvinyl Chloride (PVC) Pipe With Fittings..... <i>For >1,000, Deduct</i>	2.92 -0.15	1.29
32 84 23 00-0374	LF		1" Schedule 40 Polyvinyl Chloride (PVC) Pipe With Fittings..... <i>For >1,000, Deduct</i>	3.54 -0.18	1.54
32 84 23 00-0375	LF		1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Pipe With Fittings <i>For >1,000, Deduct</i>	4.72 -0.24	1.95
32 84 23 00-0376	LF		2" Schedule 40 Polyvinyl Chloride (PVC) Pipe With Fittings..... <i>For >1,000, Deduct</i>	5.95 -0.30	2.44
32 84 23 00-0377	LF		2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Pipe With Fittings <i>For >1,000, Deduct</i>	7.38 -0.37	2.86
32 84 23 00-0378	LF		3" Schedule 40 Polyvinyl Chloride (PVC) Pipe With Fittings..... <i>For >1,000, Deduct</i>	10.37 -0.52	4.10
32 84 23 00-0379			Irrigation Swing Joints <small>(32 84 23)</small>		
32 84 23 00-0380	EA		3/4" Male NPT, 12" Length, Polyvinyl Chloride (PVC) Irrigation Swing Joint (Rain Bird® TSJ12075)	46.05	20.41
32 84 23 00-0381	EA		1" Male NPT, 12" Length, Polyvinyl Chloride (PVC) Irrigation Swing Joint (Rain Bird® TSJ12)	52.10	22.79
32 84 23 00-0382	EA		1" Male NPT, 12" Length, Polyvinyl Chloride (PVC) Irrigation Swing Joint With 70 PSI Pressure Regulator (Rain Bird® TSJ100PRS)	64.45	22.79
32 84 23 00-0383	EA		1/2" Diameter, 12" Length, Polyvinyl Chloride (PVC) Irrigation Swing Joint, CALTRANS Type I..... Note: Consists of three threaded 90 degree elbows and 12" threaded pipe.	41.34	26.60
32 84 23 00-0384	EA		3/4" Diameter, 12" Length, Polyvinyl Chloride (PVC) Irrigation Swing Joint, CALTRANS Type I..... Note: Consists of three threaded 90 degree elbows and 12" threaded pipe.	55.18	35.49
32 84 23 00-0385	EA		1" Diameter, 12" Length, Polyvinyl Chloride (PVC) Irrigation Swing Joint, CALTRANS Type I..... Note: Consists of three threaded 90 degree elbows and 12" threaded pipe.	68.39	43.52
32 84 23 00-0386	EA		1/2" Diameter, 24" Length, Polyvinyl Chloride (PVC) Irrigation Swing Joint, CALTRAN Type II..... Note: Consists of one threaded 90 degree elbow, one threaded x socket 90 degree elbow, one adapter and 24" threaded pipe.	59.46	27.01
32 84 23 00-0387	EA		3/4" Diameter, 24" Length, Polyvinyl Chloride (PVC) Irrigation Swing Joint, CALTRAN Type II..... Note: Consists of one threaded 90 degree elbow, one threaded x socket 90 degree elbow, one adapter and 24" threaded pipe.	78.58	35.85
32 84 23 00-0388	EA		1" Diameter, 24" Length, Polyvinyl Chloride (PVC) Irrigation Swing Joint, CALTRAN Type II..... Note: Consists of one threaded 90 degree elbow, one threaded x socket 90 degree elbow, one adapter and 24" threaded pipe.	95.95	43.96
32 84 23 00-0389	EA		1/2" Diameter, Polyvinyl Chloride (PVC) Irrigation Swing Joint, CALTRANS Type III..... Note: Consists of two street 90 degree elbows.	33.63	16.55
32 84 23 00-0390	EA		3/4" Diameter, Polyvinyl Chloride (PVC) Irrigation Swing Joint, CALTRANS Type III..... Note: Consists of two street 90 degree elbows.	44.89	22.06
32 84 23 00-0391	EA		1" Diameter, Polyvinyl Chloride (PVC) Irrigation Swing Joint, CALTRANS Type III..... Note: Consists of two street 90 degree elbows.	52.61	27.35
32 84 23 00-0392			Irrigation Control Wire <small>(32 84 23)</small>		
			Note: Excludes excavation and backfill.		
32 84 23 00-0393			18 AWG, Irrigation Control Wire, Buried In Trench <small>(32 84 23 00-0392)</small>		
32 84 23 00-0394	CLF		1-Conductor, 18 AWG, Irrigation Control Wire, Buried In Trench	41.03	15.38
32 84 23 00-0395	CLF		2-Conductor, 18 AWG, Irrigation Control Wire, Buried In Trench	51.86	17.94
32 84 23 00-0396	CLF		3-Conductor, 18 AWG, Irrigation Control Wire, Buried In Trench	59.56	20.51
32 84 23 00-0397	CLF		4-Conductor, 18 AWG, Irrigation Control Wire, Buried In Trench	67.81	23.08
32 84 23 00-0398	CLF		5-Conductor, 18 AWG, Irrigation Control Wire, Buried In Trench	76.64	25.65
32 84 23 00-0399	CLF		6-Conductor, 18 AWG, Irrigation Control Wire, Buried In Trench	89.48	28.21
32 84 23 00-0400	CLF		7-Conductor, 18 AWG, Irrigation Control Wire, Buried In Trench	101.86	30.77
32 84 23 00-0401	CLF		8-Conductor, 18 AWG, Irrigation Control Wire, Buried In Trench	110.59	33.34
32 84 23 00-0402	CLF		9-Conductor, 18 AWG, Irrigation Control Wire, Buried In Trench	120.83	35.90
32 84 23 00-0403	CLF		10-Conductor, 18 AWG, Irrigation Control Wire, Buried In Trench	132.24	38.46
32 84 23 00-0404	CLF		11-Conductor, 18 AWG, Irrigation Control Wire, Buried In Trench	137.92	41.03
32 84 23 00-0405	CLF		12-Conductor, 18 AWG, Irrigation Control Wire, Buried In Trench	144.19	43.59
32 84 23 00-0406	CLF		13-Conductor, 18 AWG, Irrigation Control Wire, Buried In Trench	152.28	46.15
32 84 23 00-0407			16 AWG, Irrigation Control Wire, Buried In Trench <small>(32 84 23 00-0392)</small>		
32 84 23 00-0408	CLF		1-Conductor, 16 AWG, Irrigation Control Wire, Buried In Trench	42.55	15.38
32 84 23 00-0409			14 AWG, Irrigation Control Wire, Buried In Trench <small>(32 84 23 00-0392)</small>		
32 84 23 00-0410	CLF		1-Conductor, 14 AWG, Irrigation Control Wire, Buried In Trench	42.55	15.38
32 84 23 00-0411			12 AWG, Irrigation Control Wire, Buried In Trench <small>(32 84 23 00-0392)</small>		

32 Exterior Improvements**32 80 Irrigation****32 84 Planting Irrigation**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 84 23 00-0412 CLF 1-Conductor, 12 AWG, Irrigation Control Wire, Buried In Trench	52.58	15.38
32 84 23 00-0413 10 AWG, Irrigation Control Wire, Buried In Trench (32 84 23 00-0392)		
32 84 23 00-0414 CLF 1-Conductor, 10 AWG, Irrigation Control Wire, Buried In Trench	65.28	15.38
32 84 23 00-0415 Root Watering Systems (32 84 23)		
Note: Includes swing assembly.		
32 84 23 00-0416 EA 0.25 GPM Bubbler On Riser, 36" Tube, 4" Diameter Grate, Root Watering System (Rain Bird® RWS-B-1401).....	70.50	20.51
For Root Watering Sand Sock, Add	0.78	
32 84 23 00-0417 EA 0.25 GPM Bubbler And Check Valve On Riser, 36" Tube, 4" Diameter Grate, Root Watering System (Rain Bird® RWS-B-C-1401).....	74.59	20.51
For Root Watering Sand Sock, Add	0.78	
32 84 23 00-0418 EA 0.5 GPM Bubbler On Riser, 36" Tube, 4" Diameter Grate, Root Watering System (Rain Bird® RWS-B-1402).....	70.50	20.51
For Root Watering Sand Sock, Add	0.78	
32 84 23 00-0419 EA 0.5 GPM Bubbler And Check Valve On Riser, 36" Tube, 4" Diameter Grate, Root Watering System (Rain Bird® RWS-B-C-1402).....	74.59	20.51
For Root Watering Sand Sock, Add	0.78	
32 84 23 00-0420 EA 1 GPM Bubbler And Check Valve On Riser, 36" Tube, 4" Diameter Grate, Root Watering System (Rain Bird® RWS-B-C-1404).....	74.59	20.51
For Root Watering Sand Sock, Add	0.78	
32 84 23 00-0421 EA 0.25 GPM Bubbler On Riser, 18" Tube, 4" Diameter Grate, Root Watering System (Rain Bird® RWS-M-B-1401).....	61.32	17.94
For Root Watering Sand Sock, Add	0.78	
32 84 23 00-0422 EA 0.25 GPM Bubbler And Check Valve On Riser, 18" Tube, 4" Diameter Grate, Root Watering System (Rain Bird® RWS-M-B-C-1401)	65.24	17.94
For Root Watering Sand Sock, Add	0.78	
32 84 23 00-0423 EA 0.5 GPM Bubbler On Riser, 18" Tube, 4" Diameter Grate, Root Watering System (Rain Bird® RWS-M-B-1402).....	61.32	17.94
For Root Watering Sand Sock, Add	0.78	
32 84 23 00-0424 EA 0.5 GPM Bubbler And Check Valve On Riser, 18" Tube, 4" Diameter Grate, Root Watering System (Rain Bird® RWS-M-B-C-1402)	65.24	17.94
For Root Watering Sand Sock, Add	0.78	
32 84 23 00-0425 EA 0.25 GPM Bubbler On Riser, 10" Tube, 4" Diameter Grate, Root Watering System (Rain Bird® RWS-S-B-1401)	44.29	15.38
For Root Watering Sand Sock, Add	0.78	
32 84 23 00-0426 EA 0.25 GPM Bubbler And Check Valve On Riser, 10" Tube, 4" Diameter Grate, Root Watering System (Rain Bird® RWS-S-B-C-1401)	48.03	15.38
For Root Watering Sand Sock, Add	0.78	

32 90 Planting (32)

Note: Plant installation includes the initial watering only. The extended watering period for the establishment of lawns, plants and trees is addressed on a per plant per amount per occurrence basis as directed in the specification. cvs = cultivar. See CSI section 32 01 90 26-0000 for additional "extended watering period" tasks.

32 91 Planting Preparation (32 90)**32 91 13 Soil Preparation** (32 91)**32 91 13 16 Mulching** (32 91 13)**32 91 13 16-0001 Mulch** (32 91 13 16)

Note: Includes loading, delivery up to 15 miles and spreading. 1 CY = 108 SF of mulch spread 3" thick. See CSI section 01 74 19 00-0038 for hauling greater than 15 miles.

32 91 13 16-0002 CY Pea Gravel Mulch	123.91	
For >5 To 20, Deduct	-8.94	
For >20 To 50, Deduct	-11.69	
For >50, Deduct	-14.44	
For Work On Slopes >2.5:1, Add	10.99	
32 91 13 16-0003 CY Stone/Gravel Mulch, Marble Chips	190.54	
For >5 To 20, Deduct	-12.27	
For >20 To 50, Deduct	-15.02	
For >50, Deduct	-17.77	
For Work On Slopes >2.5:1, Add	10.99	
32 91 13 16-0004 CY Stone Mulch, Decomposed Granite Chips	107.90	
For >5 To 20, Deduct	-8.14	
For >20 To 50, Deduct	-10.89	
For >50, Deduct	-13.63	
For Work On Slopes >2.5:1, Add	10.99	
32 91 13 16-0005 CY Pine Bark Nugget Mulch	83.77	
For >5 To 20, Deduct	-6.94	
For >20 To 50, Deduct	-9.68	
For >50, Deduct	-12.43	
For Work On Slopes >2.5:1, Add	10.99	
32 91 13 16-0006 CY Hardwood Bark Nugget Mulch	82.62	
For >5 To 20, Deduct	-6.88	
For >20 To 50, Deduct	-9.62	
For >50, Deduct	-12.37	
For Work On Slopes >2.5:1, Add	10.99	
32 91 13 16-0007 CY Pine Wood Chip Mulch	80.31	
For >5 To 20, Deduct	-6.76	
For >20 To 50, Deduct	-9.51	
For >50, Deduct	-12.26	
For Work On Slopes >2.5:1, Add	10.99	



		Exterior Improvements	32
		Planting	32 90
		Planting Preparation	32 91

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 91 13 16-0008 CY Hardwood Chip Mulch	84.93	
For >5 To 20, Deduct	-6.99	
For >20 To 50, Deduct	-9.74	
For >50, Deduct	-12.49	
For Work On Slopes >2.5:1, Add	10.99	
32 91 13 16-0009 CY Shredded Hardwood Mulch	84.93	
For >5 To 20, Deduct	-6.99	
For >20 To 50, Deduct	-9.74	
For >50, Deduct	-12.49	
For Work On Slopes >2.5:1, Add	10.99	
32 91 13 16-0010 CY Shredded Pine Mulch	74.54	
For >5 To 20, Deduct	-6.47	
For >20 To 50, Deduct	-9.22	
For >50, Deduct	-11.97	
For Work On Slopes >2.5:1, Add	10.99	
32 91 13 16-0011 CY Shredded Cedar Mulch	97.04	
For >5 To 20, Deduct	-7.60	
For >20 To 50, Deduct	-10.35	
For >50, Deduct	-13.09	
For Work On Slopes >2.5:1, Add	10.99	
32 91 13 16-0012 CY Shredded Cypress Mulch	95.31	
For >5 To 20, Deduct	-7.51	
For >20 To 50, Deduct	-10.26	
For >50, Deduct	-13.01	
For Work On Slopes >2.5:1, Add	10.99	
32 91 13 16-0013 CY Shredded Redwood Mulch	99.93	
For >5 To 20, Deduct	-7.74	
For >20 To 50, Deduct	-10.49	
For >50, Deduct	-13.24	
For Work On Slopes >2.5:1, Add	10.99	
32 91 13 16-0014 CY Chunk Recycled Tire Mulch	151.14	
For >5 To 20, Deduct	-11.08	
For >20 To 50, Deduct	-14.59	
For >50, Deduct	-18.11	
For Work On Slopes >2.5:1, Add	14.07	
32 91 13 16-0015 CY Chunk Colored Recycled Tire Mulch	230.75	
For >5 To 20, Deduct	-15.06	
For >20 To 50, Deduct	-18.57	
For >50, Deduct	-22.09	
For Work On Slopes >2.5:1, Add	14.07	
32 91 13 16-0016 CY Shredded Recycled Tire Mulch	231.90	
For >5 To 20, Deduct	-15.11	
For >20 To 50, Deduct	-18.63	
For >50, Deduct	-22.15	
For Work On Slopes >2.5:1, Add	14.07	
32 91 13 16-0017 CY Shredded Colored Recycled Tire Mulch	391.13	
For >5 To 20, Deduct	-23.08	
For >20 To 50, Deduct	-26.59	
For >50, Deduct	-30.11	
For Work On Slopes >2.5:1, Add	14.07	
32 91 13 16-0018 EA Pine Straw Mulch Bale	7.21	
Note: Covers 50 SF at a thickness of 2" to 4" forming a uniform mat through which none of the original ground surface can be seen.		
For >100 To 250, Deduct	-0.52	
For >250 To 500, Deduct	-0.68	
For >500, Deduct	-0.88	
For Work On Slopes >2.5:1, Add	0.64	
32 91 13 16-0019 EA Wheat Straw Mulch Bale	7.13	
Note: Covers 350 SF forming a uniform mat through which 20 to 40% of the original ground surface can be seen.		
For >100 To 250, Deduct	-0.48	
For >250 To 500, Deduct	-0.60	
For >500, Deduct	-0.83	
For Work On Slopes >2.5:1, Add	0.48	

32 91 13 26 Planting Beds (32 91 13)

Note: Not for use when installing trees and shrubs.

32 91 13 26-0001	SF	Plant Bed Preparation <small>(32 91 13 26)</small>	
		Note: Not for use when installing trees and shrubs.	
32 91 13 26-0002	SF	Prepare And Mix Plant Bed, Up To 8" Deep By Machine	0.85
		Note: Includes loosening subgrade, removing stones, sticks, roots, rubbish, and raking surface. Excludes soil amendments.	
		For Work On Slopes >2.5:1, Add	0.17
32 91 13 26-0003	SF	Prepare And Mix Plant Bed, 9" To 13" Deep By Machine	0.99
		Note: Includes loosening subgrade, removing stones, sticks, roots, rubbish, and raking surface. Excludes soil amendments.	
		For Work On Slopes >2.5:1, Add	0.20
32 91 13 26-0004	SF	Prepare And Mix Plant Bed, 14" To 18" Deep By Machine	1.16
		Note: Includes loosening subgrade, removing stones, sticks, roots, rubbish, and raking surface. Excludes soil amendments.	
		For Work On Slopes >2.5:1, Add	0.23
32 91 13 26-0005	SF	Prepare And Mix Plant Bed By Hand, Up To 8" Deep	4.17
		Note: Includes loosening subgrade, removing stones, sticks, roots, rubbish, and raking surface. Excludes soil amendments.	
		For Work On Slopes >2.5:1, Add	0.83

32 Exterior Improvements**32 90 Planting****32 91 Planting Preparation**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 91 13 26-0006 SF Prepare And Mix Plant Bed By Hand, 9" To 13" Deep.....	4.79	
Note: Includes loosening subgrade, removing stones, sticks, roots, rubbish, and raking surface. Excludes soil amendments.		
For Work On Slopes >2.5:1, Add	0.96	
32 91 13 26-0007 SF Prepare And Mix Plant Bed By Hand, 14" To 18" Deep.....	5.64	
Note: Includes loosening subgrade, removing stones, sticks, roots, rubbish, and raking surface. Excludes soil amendments.		
For Work On Slopes >2.5:1, Add	1.13	
32 91 13 26-0008 Planting Pit Preparation (32 91 13 26)		
Note: Not for use when installing trees and shrubs.		
32 91 13 26-0009 CY Excavate Planting Pit By Hand, Sandy Soil	72.16	
Note: For use with existing planting pits.		
For Work On Slopes >2.5:1, Add	14.43	
32 91 13 26-0010 CY Excavate Planting Pit By Hand, Heavy Soil	144.33	
Note: For use with existing planting pits.		
For Work On Slopes >2.5:1, Add	28.87	
32 91 13 26-0011 CY Excavate Planting Pit By Machine, Sandy Soil	9.93	
Note: For use with existing planting pits.		
For Work On Slopes >2.5:1, Add	1.99	
32 91 13 26-0012 CY Excavate Planting Pit By Machine, Heavy Soil	12.92	
Note: For use with existing planting pits.		
For Work On Slopes >2.5:1, Add	2.58	
32 91 13 26-0013 CY Backfill Planting Pit By Hand With Topsoil From Stockpile	64.12	
For Work On Slopes >2.5:1, Add	12.82	
32 91 13 26-0014 CY Backfill Planting Pit By Hand With Contractor Furnished Planting Mix.....	94.55	
For Work On Slopes >2.5:1, Add	11.35	
32 91 13 26-0015 CY Backfill Planting Pit By Machine, With Topsoil From Stockpile	5.81	
For Work On Slopes >2.5:1, Add	1.16	
32 91 13 26-0016 CY Backfill Planting Pit By Machine, With Contractor Furnished Planting Mix.....	51.25	
For Work On Slopes >2.5:1, Add	2.69	
32 91 13 26-0017 Weed Barrier (32 91 13 26)		
32 91 13 26-0018 SY Up To 3 Oz/SY Non Woven, Polypropylene Weed Barrier	1.40	
For Work On Slopes >2.5:1, Add	0.11	
32 91 13 26-0019 SY 4 Oz/SY Woven, Polypropylene Weed Barrier.....	1.83	
For Work On Slopes >2.5:1, Add	0.11	
32 91 13 26-0020 SY 5 Oz/SY Woven, Needle Punched Polypropylene Weed Barrier	2.02	
For Work On Slopes >2.5:1, Add	0.11	
32 91 13 33 Soil Conditioners (32 91 13)		
32 91 13 33-0001 Spread Soil Conditioners (32 91 13 33)		
32 91 13 33-0002 SY Aluminum Sulfate 1 LB/SY, Push Spreader.....	0.35	
32 91 13 33-0003 MSF Aluminum Sulfate 1 LB/SY, Tractor Spreader.....	33.65	
32 91 13 33-0004 SY Fertilizer, 0.2 LB/SY, Push Spreader	0.05	
32 91 13 33-0005 MSF Fertilizer, 0.2 LB/SY, Tractor Spread	2.34	
32 91 13 33-0006 MSF Fertilizer, 18.36 LB/MSF, Truck Spread.....	3.74	
32 91 13 33-0007 SY Pelletized Lime, 1 LB/SY, Push Spreader.....	0.08	
32 91 13 33-0008 MSF Pelletized Lime, 1 LB/SY, Tractor Spreader	6.24	
32 91 13 33-0009 SY Perlite, 1" Deep, Push Spreader	3.08	
32 91 13 33-0010 MSF Perlite, 1" Deep, Tractor Spreader.....	319.66	
32 91 13 33-0011 SY Vermiculite, Push Spreader	2.86	
32 91 13 33-0012 MSF Vermiculite, Tractor Spreader	312.25	
32 91 13 36 Lawn Bed Preparation (32 91 13)		
32 91 13 36-0001 Lawn Bed Preparation (32 91 13 36)		
32 91 13 36-0002 MSF Rake Topsoil With Machine	63.73	
32 91 13 36-0003 MSF Rake Topsoil By Hand	57.73	
32 91 13 36-0004 MSF Screen Loam By Hand.....	38.48	
32 91 13 36-0005 SY Roll Topsoil With Machine	0.80	
32 91 13 36-0006 SY Roll Topsoil By Hand	2.58	
32 91 13 36-0007 MSF Removal Of Rocks And Debris With Machine.....	7.53	
32 91 13 36-0008 MSF Removal Of Rocks And Debris By Hand.....	24.46	
32 91 13 36-0009 MSF Root Raking And Loading, No Boulders	39.44	
For >45 to 225, Deduct	-27.61	
For >225, Deduct	-35.50	
32 91 13 36-0010 MSF Root Raking And Loading, With Boulders.....	65.73	
For >45 to 225, Deduct	-46.01	
For >225, Deduct	-59.16	
32 91 13 36-0011 MSF Up To 6" Deep Tilling Topsoil With Tractor.....	3.43	
32 91 13 36-0012 MSF >6" To 12" Deep Tilling Topsoil With Tractor	6.96	
For Work On Slopes >2.5:1, Add	1.39	
32 91 13 36-0013 SY Up To 2" Deep Tilling Topsoil With Rototiller	0.61	
32 91 13 36-0014 SY >2" To 4" Deep Tilling Topsoil With Rototiller	0.74	
32 91 13 36-0015 SY >4" To 6" Deep Tilling Topsoil With Rototiller	0.92	
32 91 13 36-0016 LF "V" Cut Soil For Edge Of Planting Beds.....	1.02	



		Exterior Improvements	32
		Planting	32 90
		Planting Preparation	32 91

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 91 13 36-0017 Sod Removal <small>(32 91 13 36)</small>		
32 91 13 36-0018 SY Removal Of Sod By Hand..... <i>For Work On Slopes >2.5:1, Add</i>	4.86 0.97	
32 91 13 36-0019 SY Removal Of Sod With Machine..... <i>For Work On Slopes >2.5:1, Add</i>	0.47 0.09	
32 91 13 36-0020 SY Pile Sod By Hand..... <i>For Work On Slopes >2.5:1, Add</i>	2.89 0.58	
32 91 13 36-0021 SY Pile Sod With Machine..... <i>For Work On Slopes >2.5:1, Add</i>	0.87 0.17	
32 91 19 Landscape Grading <small>(32 91)</small>		
32 91 19 13 Topsoil Placement And Grading <small>(32 91 19)</small>		
32 91 19 13-0001 Remove And Stockpile Topsoil On Site <small>(32 91 19 13)</small>		
32 91 19 13-0002 CY Removal Of Topsoil, 4" Deep Stockpile On Site	3.44	
32 91 19 13-0003 CY Removal Of Topsoil, 6" Deep Stockpile On Site	3.41	
32 91 19 13-0004 Screening Topsoil <small>(32 91 19 13)</small>		
32 91 19 13-0005 CY Screen Topsoil With Vibrating Screen, Wet Material (Organic)	7.84	
32 91 19 13-0006 CY Screen Topsoil With Vibrating Screen, Dry Material	5.22	
32 91 19 13-0007 Spreading Topsoil From Stockpile <small>(32 91 19 13)</small>		
32 91 19 13-0008 CY Spread Topsoil By Machine From Stockpile	5.88	
32 91 19 13-0009 CY Spread Topsoil By Hand From Stockpile	55.08	
32 91 19 13-0010 Furnish And Place Imported Screened Topsoil <small>(32 91 19 13)</small>		
Note: Includes delivery up to 15 miles from the closest approved source and spread by machine. Excludes hand spreading. See CSI section 01 74 19 00-0038 for hauling greater than 15 miles, 31 23 16 36-0030 for hand spreading.		
32 91 19 13-0011 SY Furnish And Place Imported Screened Topsoil, 2" Deep..... <i>For Unscreened, Deduct</i>	2.90 -0.40	
32 91 19 13-0012 SY Furnish And Place Imported Screened Topsoil, 4" Deep..... <i>For Unscreened, Deduct</i>	5.59 -0.79	
32 91 19 13-0013 SY Furnish And Place Imported Screened Topsoil, 6" Deep..... <i>For Unscreened, Deduct</i>	8.10 -1.19	
32 91 19 13-0014 SY Furnish And Place Imported Screened Topsoil, 9" Deep..... <i>For Unscreened, Deduct</i>	11.71 -1.78	
32 91 19 13-0015 SY Furnish And Place Imported Screened Topsoil, 12" Deep..... <i>For Unscreened, Deduct</i>	15.33 -2.38	
32 91 19 13-0016 CY Furnish And Place Imported Screened Topsoil, Over 12" Deep..... <i>For Unscreened, Deduct</i>	42.46 -7.13	
32 91 19 16 Scarify Soil <small>(32 91 19)</small>		
32 91 19 16-0001 Scarify Soil For Planting Preparation <small>(32 91 19 16)</small>		
Note: Ripped in multiple directions with 3" maximum clods.		
32 91 19 16-0002 MSF Up To 5,000 SF Scarify Up To 8" Soil With Machine	46.45	
32 91 19 16-0003 MSF >5,000 To 20,000 SF Scarify Up To 8" Soil With Machine	32.51	
32 91 19 16-0004 MSF >20,000 SF Scarify Up To 8" Soil With Machine With Scarifier	19.04	
32 92 Turf And Grasses <small>(32 92)</small>		
32 92 16 Plugging <small>(32 92)</small>		
32 92 16 00-0001 Bermuda Or Centipede Plugging, 1" Deep <small>(32 92 16)</small>		
Note: Includes fine grade and soil preparation.		
32 92 16 00-0002 6" On Center Plugging <small>(32 92 16 00-0001)</small>		
32 92 16 00-0003 MSF Plugging By Hand, 6" On Center	193.23	
32 92 16 00-0004 MSF Plugging By Walk Behind Planter, 6" On Center.....	32.55	
32 92 16 00-0005 MSF Plugging By Towed Planter, 6" On Center.....	26.02	
32 92 16 00-0006 9" On Center Plugging <small>(32 92 16 00-0001)</small>		
32 92 16 00-0007 MSF Plugging By Hand, 9" On Center	148.04	
32 92 16 00-0008 MSF Plugging By Walk Behind Planter, 9" On Center.....	25.18	
32 92 16 00-0009 MSF Plugging By Towed Planter, 9" On Center.....	19.41	
32 92 16 00-0010 12" On Center Plugging <small>(32 92 16 00-0001)</small>		
32 92 16 00-0011 MSF Plugging By Hand, 12" On Center	123.48	
32 92 16 00-0012 MSF Plugging By Walk Behind Planter, 12" On Center.....	16.75	
32 92 16 00-0013 MSF Plugging By Towed Planter, 12" On Center.....	12.31	

32 Exterior Improvements**32 90 Planting****32 92 Turf And Grasses**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST
32 92 19 Seeding (32 92)**32 92 19 13 Mechanical Seeding** (32 92 19)

Note: Includes fertilizing, liming, mixing, seeding and initial watering.

32 92 19 13-0001 Tractor Spreader Mechanical Seeding (32 92 19 13)

Note: Excludes straw.

32 92 19 13-0002	MSF	Common Bluegrass, Tractor Spreader	28.72
		Note: 4 LB/MSF spread rate.	
32 92 19 13-0003	MSF	Tall Fescue, Tractor Spreader	25.84
		Note: 5.5 LB/MSF spread rate.	
32 92 19 13-0004	MSF	Rye, Tractor Spreader	26.36
		Note: 10 LB/MSF spread rate.	
32 92 19 13-0005	MSF	Shade Mix, Tractor Spreader	29.03
		Note: 6 LB/MSF spread rate. Mixture of red fescue, creeping red fescue, perennial rye and bluegrass.	
32 92 19 13-0006	MSF	Turf Mix, Tractor Spreader	30.95
		Note: 4 LB/MSF spread rate. Mixture of three varieties of bluegrass and one improved perennial ryegrass.	
32 92 19 13-0007	MSF	Slope Mix, Tractor Spreader	28.39
		Note: 6 LB/MSF spread rate.	
32 92 19 13-0008	MSF	Utility Mix, Tractor Spreader	25.20
		Note: 7 LB/MSF spread rate. Mixture of perennial/annual rye, creeping red fescue and bluegrass.	
32 92 19 13-0009	MSF	Wild Flower Mix, Tractor Spreader	19.19
		Note: 0.10 LB/MSF spread rate.	
32 92 19 13-0010	MSF	Crown Vetch Mix, Tractor Spreader	66.74
		Note: 4 LB/MSF spread rate.	
32 92 19 13-0011	MSF	Athletic Mix, Tractor Spreader	38.62
		Note: 8 LB/MSF spread rate. Mixture of three varieties of drought resistant bluegrass, tall fescue and Kentucky bluegrass.	
32 92 19 13-0012	MSF	White Clover Mix, Tractor Spreader	19.13
		Note: 7 LB/MSF spread rate.	
32 92 19 13-0013	MSF	Ladino Clover Mix, Tractor Spreader	21.68
		Note: 7 LB/MSF spread rate.	

32 92 19 13-0014 Hydro Or Air Mechanical Seeding (32 92 19 13)

32 92 19 13-0015	MSF	Common Bluegrass, Hydro Or Air Seeding	60.84
		Note: 4 LB/MSF spread rate.	
		<i>For Spot Areas Up To 1, Add</i>	67.23
		<i>For >1 To 4, Add</i>	43.36
		<i>For >4 To 7.5, Add</i>	29.48
		<i>For >7.5 To 10, Add</i>	14.74
		<i>For >45, Deduct</i>	-4.99
		<i>For Tackifier, Add</i>	0.71
32 92 19 13-0016	MSF	Tall Fescue, Hydro Or Air Seeding	64.17
		Note: 5.5 LB/MSF spread rate.	
		<i>For Spot Areas Up To 1, Add</i>	68.56
		<i>For >1 To 4, Add</i>	44.03
		<i>For >4 To 7.5, Add</i>	29.81
		<i>For >7.5 To 10, Add</i>	14.91
		<i>For >45, Deduct</i>	-5.16
		<i>For Tackifier, Add</i>	0.71
32 92 19 13-0017	MSF	Rye, Hydro Or Air Spread	60.98
		Note: 10 LB/MSF spread rate.	
		<i>For Spot Areas Up To 1, Add</i>	67.28
		<i>For >1 To 4, Add</i>	43.39
		<i>For >4 To 7.5, Add</i>	29.49
		<i>For >7.5 To 10, Add</i>	14.75
		<i>For >45, Deduct</i>	-5.00
		<i>For Tackifier, Add</i>	0.71
32 92 19 13-0018	MSF	Shade Mix, Hydro Or Air Seeding	60.84
		Note: 6 LB/MSF spread rate. Mixture of red fescue, creeping red fescue, perennial rye and bluegrass.	
		<i>For Spot Areas Up To 1, Add</i>	67.23
		<i>For >1 To 4, Add</i>	43.36
		<i>For >4 To 7.5, Add</i>	29.48
		<i>For >7.5 To 10, Add</i>	14.74
		<i>For >45, Deduct</i>	-4.99
		<i>For Tackifier, Add</i>	0.71
32 92 19 13-0019	MSF	Turf Mix, Hydro Or Air Seeding	64.17
		Note: 4 LB/MSF spread rate. Mixture of three varieties of bluegrass and one improved perennial ryegrass.	
		<i>For Spot Areas Up To 1, Add</i>	68.56
		<i>For >1 To 4, Add</i>	44.03
		<i>For >4 To 7.5, Add</i>	29.81
		<i>For >7.5 To 10, Add</i>	14.91
		<i>For >45, Deduct</i>	-5.16
		<i>For Tackifier, Add</i>	0.71
32 92 19 13-0020	MSF	Slope Mix, Hydro Or Air Seeding	62.74
		Note: 6 LB/MSF spread rate.	
		<i>For Spot Areas Up To 1, Add</i>	67.99
		<i>For >1 To 4, Add</i>	43.74
		<i>For >4 To 7.5, Add</i>	29.67
		<i>For >7.5 To 10, Add</i>	14.83
		<i>For >45, Deduct</i>	-5.09
		<i>For Tackifier, Add</i>	0.71



		Exterior Improvements	32
		Planting	32 90
		Turf And Grasses	32 92

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 92 19 13-0021 MSF Utility Mix, Hydro Or Air Seeding	61.59	
Note: 7 LB/MSF spread rate. Mixture of perennial/annual rye, creeping red fescue and bluegrass.		
For Spot Areas Up To 1, Add	67.53	
For >1 To 4, Add	43.51	
For >4 To 7.5, Add	29.55	
For >7.5 To 10, Add	14.78	
For >45, Deduct	-5.03	
For Tackifier, Add	0.71	
32 92 19 13-0022 MSF Wild Flower Mix, Hydro Or Air Seeding	57.89	
Note: 0.10 LB/MSF spread rate.		
For Spot Areas Up To 1, Add	66.05	
For >1 To 4, Add	42.77	
For >4 To 7.5, Add	29.18	
For >7.5 To 10, Add	14.59	
For >45, Deduct	-4.84	
For Tackifier, Add	0.71	
32 92 19 13-0023 MSF Crown Vetch Mix, Hydro Or Air Seeding.....	91.24	
Note: 4 LB/MSF spread rate.		
For Spot Areas Up To 1, Add	79.39	
For >1 To 4, Add	49.44	
For >4 To 7.5, Add	32.52	
For >7.5 To 10, Add	16.26	
For >45, Deduct	-6.51	
For Tackifier, Add	0.71	
32 92 19 13-0024 MSF Athletic Mix, Hydro Or Air Seeding	80.80	
Note: 8 LB/MSF spread rate. Mixture of three varieties of drought resistant bluegrass, tall fescue and Kentucky bluegrass.		
For Spot Areas Up To 1, Add	75.21	
For >1 To 4, Add	47.35	
For >4 To 7.5, Add	31.47	
For >7.5 To 10, Add	15.74	
For >45, Deduct	-5.99	
For Tackifier, Add	0.71	
32 92 19 13-0025 MSF White Clover Mix, Hydro Or Air Seeding.....	53.38	
Note: 7 LB/MSF spread rate.		
For Spot Areas Up To 1, Add	64.24	
For >1 To 4, Add	41.87	
For >4 To 7.5, Add	28.73	
For >7.5 To 10, Add	14.37	
For >45, Deduct	-4.62	
For Tackifier, Add	0.71	
32 92 19 13-0026 MSF Ladino Clover Mix, Hydro Or Air Seeding.....	58.94	
Note: 7 LB/MSF spread rate.		
For Spot Areas Up To 1, Add	66.47	
For >1 To 4, Add	42.98	
For >4 To 7.5, Add	29.29	
For >7.5 To 10, Add	14.64	
For >45, Deduct	-4.90	
For Tackifier, Add	0.71	
32 92 19 13-0027 MSF 60% Kentucky Bluegrass, 20% Creeping Red Fescue, 10% Red Top And 10% Domestic Rye, Hydro Or Air Spread.....	61.79	
Note: 4 LB/MSF spread rate.		
For Spot Areas Up To 1, Add	67.61	
For >1 To 4, Add	43.55	
For >4 To 7.5, Add	29.57	
For >7.5 To 10, Add	14.79	
For >45, Deduct	-5.04	
For Tackifier, Add	0.71	
32 92 19 13-0028 MSF 2,500 LB/Acre, High Performance - Flexible Growth Medium.....	69.47	
Note: Applied with seed. Excludes seed.		
For >45, Deduct	-4.45	
32 92 19 13-0029 MSF 3,000 LB/Acre, High Performance - Flexible Growth Medium.....	80.45	
Note: Applied with seed. Excludes seed.		
For >45, Deduct	-5.05	
32 92 19 13-0030 MSF 3,500 LB/Acre, High Performance - Flexible Growth Medium.....	91.47	
Note: Applied with seed. Excludes seed.		
For >45, Deduct	-5.65	
32 92 19 13-0031 MSF 4,000 LB/Acre, High Performance - Flexible Growth Medium.....	102.53	
Note: Applied with seed. Excludes seed.		
For >45, Deduct	-6.26	
32 92 19 13-0032 MSF 4,500 LB/Acre, High Performance - Flexible Growth Medium.....	113.66	
Note: Applied with seed. Excludes seed.		
For >45, Deduct	-6.87	
32 92 19 19 Seeding By Hand <small>(32 92 19)</small>		
Note: Includes fertilizing, liming, mixing, seeding and initial watering.		
32 92 19 19-0001 Push Spreader Or Hand Seeding <small>(32 92 19 19)</small>		
Note: Excludes straw.		
32 92 19 19-0002 MSF Common Bluegrass, Push Spreader Or Hand.....	85.26	
Note: 4 LB/MSF spread rate.		
For >5 To 20, Deduct	-6.07	
For >20 To 45, Deduct	-11.81	
For >45, Deduct	-19.35	

32 Exterior Improvements**32 90 Planting****32 92 Turf And Grasses**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 92 19 19-0003	MSF		Tall Fescue, Push Spreader Or Hand.....	82.38	
			Note: 5.5 LB/MSF spread rate.		
			For >5 To 20, Deduct	-5.92	
			For >20 To 45, Deduct	-11.59	
			For >45, Deduct	-19.06	
32 92 19 19-0004	MSF		Rye, Push Spreader Or Hand.....	82.90	
			Note: 10 LB/MSF spread rate.		
			For >5 To 20, Deduct	-5.95	
			For >20 To 45, Deduct	-11.63	
			For >45, Deduct	-19.11	
32 92 19 19-0005	MSF		Shade Mix, Push Spreader Or Hand.....	85.57	
			Note: 6 LB/MSF spread rate. Mixture of red fescue, creeping red fescue, perennial rye and bluegrass.		
			For >5 To 20, Deduct	-6.08	
			For >20 To 45, Deduct	-11.83	
			For >45, Deduct	-19.38	
32 92 19 19-0006	MSF		Turf Mix, Push Spreader Or Hand.....	87.49	
			Note: 4 LB/MSF spread rate. Mixture of three varieties of bluegrass and one improved perennial ryegrass.		
			For >5 To 20, Deduct	-6.18	
			For >20 To 45, Deduct	-11.97	
			For >45, Deduct	-19.57	
32 92 19 19-0007	MSF		Slope Mix, Push Spreader Or Hand.....	84.93	
			Note: 6 LB/MSF spread rate.		
			For >5 To 20, Deduct	-6.05	
			For >20 To 45, Deduct	-11.78	
			For >45, Deduct	-19.32	
32 92 19 19-0008	MSF		Utility Mix, Push Spreader Or Hand.....	81.74	
			Note: 7 LB/MSF spread rate. Mixture of perennial/annual rye, creeping red fescue and bluegrass.		
			For >5 To 20, Deduct	-5.89	
			For >20 To 45, Deduct	-11.54	
			For >45, Deduct	-19.00	
32 92 19 19-0009	MSF		Wild Flower Mix, Push Spreader Or Hand.....	75.73	
			Note: 0.10 LB/MSF spread rate.		
			For >5 To 20, Deduct	-5.59	
			For >20 To 45, Deduct	-11.09	
			For >45, Deduct	-18.40	
32 92 19 19-0010	MSF		Crown Vetch Mix, Push Spreader Or Hand.....	123.28	
			Note: 4 LB/MSF spread rate.		
			For >5 To 20, Deduct	-7.97	
			For >20 To 45, Deduct	-14.66	
			For >45, Deduct	-23.15	
32 92 19 19-0011	MSF		Athletic Mix, Push Spreader Or Hand.....	95.16	
			Note: 8 LB/MSF spread rate. Mixture of drought resistant bluegrass, tall fescue and Kentucky bluegrass.		
			For >5 To 20, Deduct	-6.56	
			For >20 To 45, Deduct	-12.55	
			For >45, Deduct	-20.34	
32 92 19 19-0012	MSF		White Clover Mix, Push Spreader Or Hand.....	75.67	
			Note: 7 LB/MSF spread rate.		
			For >5 To 20, Deduct	-5.59	
			For >20 To 45, Deduct	-11.09	
			For >45, Deduct	-18.39	
32 92 19 19-0013	MSF		Ladino Clover Mix, Push Spreader Or Hand.....	78.22	
			Note: 7 LB/MSF spread rate.		
			For >5 To 20, Deduct	-5.71	
			For >20 To 45, Deduct	-11.28	
			For >45, Deduct	-18.64	
32 92 19 19-0014	MSF		100% Kentucky Bluegrass, Push Spreader Or Hand.....	86.16	
			Note: 3.3 LB/MSF spread rate.		
			For >5 To 20, Deduct	-6.11	
			For >20 To 45, Deduct	-11.87	
			For >45, Deduct	-19.44	
32 92 19 19-0015	MSF		70% Kentucky Bluegrass And 30% Fescue, Push Spreader Or Hand.....	83.55	
			Note: 3.3 LB/MSF spread rate.		
			For >5 To 20, Deduct	-5.98	
			For >20 To 45, Deduct	-11.68	
			For >45, Deduct	-19.18	
32 92 19 19-0016	MSF		50% Kentucky Bluegrass And 50% Fescue, Push Spreader Or Hand.....	81.65	
			Note: 3.3 LB/MSF spread rate.		
			For >5 To 20, Deduct	-5.89	
			For >20 To 45, Deduct	-11.54	
			For >45, Deduct	-18.99	
32 92 19 19-0017	MSF		50% Kentucky Bluegrass And 50% Perennial Rye, Push Spreader Or Hand.....	85.45	
			Note: 4.4 LB/MSF spread rate.		
			For >5 To 20, Deduct	-6.08	
			For >20 To 45, Deduct	-11.82	
			For >45, Deduct	-19.37	
32 92 19 19-0018	MSF		60% Kentucky Bluegrass, 20% Creeping Red Fescue, 10% Red Top And 10% Domestic Rye, Push Spreader Or Hand.....	82.60	
			Note: 3.3 LB/MSF spread rate.		
			For >5 To 20, Deduct	-5.93	
			For >20 To 45, Deduct	-11.61	
			For >45, Deduct	-19.08	
32 92 19 19-0019	MSF		40% Creeping Red Fescue, 30% Kentucky Bluegrass, 10% Red Top, And 20% Blue Tag Perennial Rye, Push Spreader Or Hand.....	87.49	
			Note: 3.3 LB/MSF spread rate.		
			For >5 To 20, Deduct	-6.18	
			For >20 To 45, Deduct	-11.97	
			For >45, Deduct	-19.57	



		Exterior Improvements	32
		Planting	32 90
		Turf And Grasses	32 92

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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32 92 23

Sodding (32 92)

Note: Includes raking preparation, rolling of sod, sanding seams for (up to 16" wide by 24" long) squares or (up to 24" wide by 54" long) rolls and initial watering.

32 92 23 00-0001 Tall Fescue Sod (32 92 23)

32 92 23 00-0002	MSF Up To 1,000 SF, Tall Fescue Sod, Installed On Level Ground.....	1,134.99
	<i>For Hybrid Fescue "Marathon", Add</i>	57.12
32 92 23 00-0003	MSF >1,000 To 4,000 SF, Tall Fescue Sod, Installed On Level Ground.....	1,099.75
	<i>For Hybrid Fescue "Marathon", Add</i>	57.12
32 92 23 00-0004	MSF >4,000 To 8,000 SF, Tall Fescue Sod, Installed On Level Ground.....	1,024.24
	<i>For Hybrid Fescue "Marathon", Add</i>	57.12
32 92 23 00-0005	MSF >8,000 SF, Tall Fescue Sod, Installed On Level Ground.....	994.04
	<i>For Hybrid Fescue "Marathon", Add</i>	57.12
32 92 23 00-0006	MSF Up To 1,000 SF, Tall Fescue Sod, Installed On Sloped (>1:6) Ground With Stakes.....	1,416.90
	<i>For Hybrid Fescue "Marathon", Add</i>	57.12
32 92 23 00-0007	MSF >1,000 To 4,000 SF, Tall Fescue Sod, Installed On Sloped (>1:6) Ground With Stakes.....	1,340.02
	<i>For Hybrid Fescue "Marathon", Add</i>	57.12
32 92 23 00-0008	MSF >4,000 To 8,000 SF, Tall Fescue Sod, Installed On Sloped (>1:6) Ground With Stakes.....	1,190.00
	<i>For Hybrid Fescue "Marathon", Add</i>	57.12
32 92 23 00-0009	MSF >8,000 SF, Tall Fescue Sod, Installed On Sloped (>1:6) Ground With Stakes.....	1,134.99
	<i>For Hybrid Fescue "Marathon", Add</i>	57.12

32 92 23 00-0010 Kentucky Blue Grass Sod (32 92 23)

32 92 23 00-0011	MSF Up To 1,000 SF, Kentucky Blue Grass Sod, Installed On Level Ground.....	894.47
32 92 23 00-0012	MSF >1,000 To 4,000 SF, Kentucky Blue Grass Sod, Installed On Level Ground.....	859.23
32 92 23 00-0013	MSF >4,000 To 8,000 SF, Kentucky Blue Grass Sod, Installed On Level Ground.....	783.72
32 92 23 00-0014	MSF >8,000 SF, Kentucky Blue Grass Sod, Installed On Level Ground.....	753.52
32 92 23 00-0015	MSF Up To 1,000 SF, Kentucky Blue Grass Sod, Installed On Sloped (>1:6) Ground With Stakes.....	1,176.38
32 92 23 00-0016	MSF >1,000 To 4,000 SF, Kentucky Blue Grass Sod, Installed On Sloped (>1:6) Ground With Stakes.....	1,099.50
32 92 23 00-0017	MSF >4,000 To 8,000 SF, Kentucky Blue Grass Sod, Installed On Sloped (>1:6) Ground With Stakes.....	949.48
32 92 23 00-0018	MSF >8,000 SF, Kentucky Blue Grass Sod, Installed On Sloped (>1:6) Ground With Stakes.....	894.47

32 93 Plants (32 90)

32 93 13 Ground Covers (32 93)

Note: Materials only.

32 93 13 00-0001 Ornamental Grasses (32 93 13)

32 93 13 00-0002	EA 1 Gallon Cortaderia selloana - Pampas Grass.....	7.04
32 93 13 00-0003	EA 2 Gallon Cortaderia selloana - Pampas Grass.....	8.58
32 93 13 00-0004	EA 3 Gallon Cortaderia selloana - Pampas Grass.....	10.12
32 93 13 00-0005	EA 10 Gallon Cortaderia selloana - Pampas Grass.....	38.87
32 93 13 00-0006	EA 1 Quart Imperata cylindrica - Japanese Blood Grass.....	4.33
32 93 13 00-0007	EA 1 Gallon Imperata cylindrica - Japanese Blood Grass.....	6.23
32 93 13 00-0008	EA 2 Gallon Imperata cylindrica - Japanese Blood Grass.....	8.58
32 93 13 00-0009	EA 1 Quart Koeleria glauca - Blue Hair Grass.....	3.08
32 93 13 00-0010	EA 1 Gallon Koeleria glauca - Blue Hair Grass.....	5.50
32 93 13 00-0011	EA 3 Gallon Koeleria glauca - Blue Hair Grass.....	10.12
32 93 13 00-0012	EA 1 Gallon Miscanthus sinensis 'Gracillimus' - Maiden Grass.....	8.58
32 93 13 00-0013	EA 3 Gallon Miscanthus sinensis 'Gracillimus' - Maiden Grass.....	14.81
32 93 13 00-0014	EA 5 Gallon Miscanthus sinensis 'Gracillimus' - Maiden Grass.....	19.51
32 93 13 00-0015	EA 1 Gallon Miscanthus sinensis 'Zebrinus' - Zebra Grass.....	8.58
32 93 13 00-0016	EA 3 Gallon Miscanthus sinensis 'Zebrinus' - Zebra Grass.....	14.81
32 93 13 00-0017	EA 5 Gallon Miscanthus sinensis 'Zebrinus' - Zebra Grass.....	19.51
32 93 13 00-0018	EA 1 Quart Pennisetum setaceum - Fountain Grass.....	3.45
32 93 13 00-0019	EA 1 Gallon Pennisetum setaceum - Fountain Grass.....	5.50
32 93 13 00-0020	EA 3 Gallon Pennisetum setaceum - Fountain Grass.....	10.12
32 93 13 00-0021	EA 1 Gallon Saccharum ravennae - Ravenna Grass.....	7.04
32 93 13 00-0022	EA 3 Gallon Saccharum ravennae - Ravenna Grass.....	10.12
32 93 13 00-0023	EA 7 Gallon Saccharum ravennae - Ravenna Grass.....	19.51
32 93 13 00-0024	EA 1 Gallon Spartina pectinata - Variegated Cord Grass.....	6.23
32 93 13 00-0025	EA 2 Gallon Spartina pectinata - Variegated Cord Grass.....	10.12
32 93 13 00-0026	EA 1 Quart Stipa gigantea - Giant Feather Grass.....	7.77
32 93 13 00-0027	EA 1 Gallon Stipa gigantea - Giant Feather Grass.....	11.73

32 93 13 00-0028 Ground Covers (32 93 13)

32 93 13 00-0029	EA 1 Gallon Acorus gramineus - Japanese Sweet Flag.....	5.50
32 93 13 00-0030	EA 3" Pot Ajuga reptans - Carpet Bugle.....	1.32
32 93 13 00-0031	EA 1 Quart Ajuga reptans - Carpet Bugle.....	2.20
32 93 13 00-0032	EA 1 Gallon Ajuga reptans - Carpet Bugle.....	5.28
32 93 13 00-0033	EA 24 Plant Flat Ajuga reptans - Carpet Bugle.....	22.73
32 93 13 00-0034	EA 2 Gallon Aristolochia macrophylla - Dutchman's Pipe.....	18.33
32 93 13 00-0035	EA 5 Gallon Aristolochia macrophylla - Dutchman's Pipe.....	33.59
32 93 13 00-0036	EA 1 Quart Arundo donax - Giant Reed.....	7.04
32 93 13 00-0037	EA 1 Gallon Arundo donax - Giant Reed.....	10.12
32 93 13 00-0038	EA 1 Quart Baccharis Pilularis - Dwarf Coyote Bush.....	2.20
32 93 13 00-0039	EA 1 Gallon Baccharis Pilularis - Dwarf Coyote Bush.....	3.81

32 Exterior Improvements**32 90 Planting****32 93 Plants**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

32 93 13 00-0040	EA	3 Gallon Bougainvillea spectabilis - Bougainvillea	7.69
32 93 13 00-0041	EA	1 Gallon Campsis radicans - Trumpet Creeper	8.07
32 93 13 00-0042	EA	2 Gallon Campsis radicans - Trumpet Creeper	12.17
32 93 13 00-0043	EA	5 Gallon Campsis radicans - Trumpet Creeper	29.33
32 93 13 00-0044	EA	1 Quart Carex 'Bowles Golden' - Variegated Japanese Sedge	7.77
32 93 13 00-0045	EA	1 Gallon Carex 'Bowles Golden' - Variegated Japanese Sedge	10.12
32 93 13 00-0046	EA	1 Quart Carex hachijoensis - Variegated Japanese Sedge	3.96
32 93 13 00-0047	EA	1 Gallon Carex hachijoensis - Variegated Japanese Sedge	5.50
32 93 13 00-0048	EA	2 Gallon Carex hachijoensis - Variegated Japanese Sedge	8.58
32 93 13 00-0049	EA	1 Gallon Cissus antarctica - Kangaroo Vine	4.25
32 93 13 00-0050	EA	5 Gallon Cissus antarctica - Kangaroo Vine	13.35
32 93 13 00-0051	EA	1 Gallon Cistaceae - Wrinkleleaf Rock Rose	4.25
32 93 13 00-0052	EA	5 Gallon Cistaceae - Wrinkleleaf Rock Rose	14.52
32 93 13 00-0053	EA	1 Gallon Cocculus laurifolius - Laurel-leaf Snailseed	4.25
32 93 13 00-0054	EA	5 Gallon Cocculus laurifolius - Laurel-leaf Snailseed	15.25
32 93 13 00-0055	EA	1 Gallon Coprosma kirkii - Prostrate Coprosma	3.67
32 93 13 00-0056	EA	5 Gallon Coprosma kirkii - Prostrate Coprosma	13.35
32 93 13 00-0057	EA	1 Gallon Cotoneaster dammeri - Bearberry Cotoneaster	7.19
32 93 13 00-0058	EA	2 Gallon Cotoneaster dammeri - Bearberry Cotoneaster	13.64
32 93 13 00-0059	EA	5 Gallon Cotoneaster dammeri - Bearberry Cotoneaster	24.05
32 93 13 00-0060	EA	1 Gallon Distictis buccinatoria - Blood Red Trumpet Vine	4.55
32 93 13 00-0061	EA	5 Gallon Distictis buccinatoria - Blood Red Trumpet Vine	15.99
32 93 13 00-0062	EA	1 Quart Euonymus fortunei 'Coloratus' - Purple-leaf Wintercreeper	5.24
32 93 13 00-0063	EA	1 Gallon Euonymus fortunei 'Coloratus' - Purple-leaf Wintercreeper	13.57
32 93 13 00-0064	EA	24 Plant Flat Euonymus fortunei 'Coloratus' - Purple-leaf Wintercreeper	22.73
32 93 13 00-0065	EA	1 Gallon Euonymus fortunei 'Kewensis' - Wintercreeper	5.72
32 93 13 00-0066	EA	2 Gallon Euonymus fortunei 'Kewensis' - Wintercreeper	11.44
32 93 13 00-0067	EA	1 Quart Festuca glauca 'Sea Urchin' - Sea Urchin Blue Fescue	3.08
32 93 13 00-0068	EA	1 Gallon Festuca glauca 'Sea Urchin' - Sea Urchin Blue Fescue	5.50
32 93 13 00-0069	EA	2 Gallon Festuca glauca 'Sea Urchin' - Sea Urchin Blue Fescue	8.58
32 93 13 00-0070	EA	1 Gallon Gardenia jasminoides 'Radicans' - Creeping Gardenia	4.55
32 93 13 00-0071	EA	5 Gallon Gardenia jasminoides 'Radicans' - Creeping Gardenia	14.96
32 93 13 00-0072	EA	1 Gallon Gelsemium sempervirens - Carolina Jessamine	5.28
32 93 13 00-0073	EA	5 Gallon Gelsemium sempervirens - Carolina Jessamine	19.07
32 93 13 00-0074	EA	1 Quart Hakonechloa macra 'Aureola' - Golden Variegated Hakone Grass	7.77
32 93 13 00-0075	EA	1 Gallon Hakonechloa macra 'Aureola' - Golden Variegated Hakone Grass	11.73
32 93 13 00-0076	EA	1 Gallon Hardenbergia violacea - Happy Wanderer	5.28
32 93 13 00-0077	EA	5 Gallon Hardenbergia violacea - Happy Wanderer	17.60
32 93 13 00-0078	EA	2" To 3" Pot Hedera helix - English Ivy	1.32
32 93 13 00-0079	EA	12" To 15" Runners Hedera helix - English Ivy	2.20
32 93 13 00-0080	EA	1 Gallon Hedera helix - English Ivy	5.28
32 93 13 00-0081	EA	50 Plant Flat Hedera helix - English Ivy	30.51
32 93 13 00-0082	EA	3 Gallon Hibiscus, Assorted Colors	6.88
32 93 13 00-0083	EA	1 Gallon Hydrangea petiolaris - Climbing Hydrangea	9.53
32 93 13 00-0084	EA	2 Gallon Hydrangea petiolaris - Climbing Hydrangea	17.89
32 93 13 00-0085	EA	5 Gallon Hydrangea petiolaris - Climbing Hydrangea	29.33
32 93 13 00-0086	EA	1 Gallon Hymenocallis latifolia - Spider Lily	3.41
32 93 13 00-0087	EA	3 Gallon Hymenocallis latifolia - Spider Lily	9.10
32 93 13 00-0088	EA	1 Quart Hypericum perforatum - St. John's Wort	2.20
32 93 13 00-0089	EA	1 Gallon Hypericum perforatum - St. John's Wort	5.28
32 93 13 00-0090	EA	5 Gallon Hypericum perforatum - St. John's Wort	13.64
32 93 13 00-0091	EA	1 Quart Iberis sempervirens - Candytuft	2.20
32 93 13 00-0092	EA	1 Gallon Iberis sempervirens - Candytuft	5.28
32 93 13 00-0093	EA	1 Gallon Ilex cornuta - Dwarf Holly	3.98
32 93 13 00-0094	EA	3 Gallon Ilex cornuta - Dwarf Holly	8.54
32 93 13 00-0095	EA	1 Gallon Jasminum polyanthum - Winter Jasmine	5.28
32 93 13 00-0096	EA	2 Gallon Jasminum polyanthum - Winter Jasmine	10.56
32 93 13 00-0097	EA	5 Gallon Jasminum polyanthum - Winter Jasmine	18.33
32 93 13 00-0098	EA	1 Gallon Jasminum volubile - Wax Jasmine	2.77
32 93 13 00-0099	EA	1 Gallon Jasminum volubile - Wax Jasmine	6.88
32 93 13 00-0100	EA	1 Gallon Juniperus davurica 'Parsonii' - Parson's Juniper	3.45
32 93 13 00-0101	EA	3 Gallon Juniperus davurica 'Parsonii' - Parson's Juniper	7.69
32 93 13 00-0102	EA	2 Gallon Juniperus horizontalis 'Plumosa Compacta' - Andorra Creeping Juniper	12.81
32 93 13 00-0103	EA	1 Gallon Juniperus horizontalis 'Wiltoni' - Blue Rug Juniper	5.97
32 93 13 00-0104	EA	1 Gallon Juniperus Horizontalis - Prostrate Juniper	6.01
32 93 13 00-0105	EA	3 Gallon Juniperus Horizontalis - Prostrate Juniper	12.91
32 93 13 00-0106	EA	5 Gallon Juniperus Horizontalis - Prostrate Juniper	19.07
32 93 13 00-0107	EA	1 Gallon Lantana spp. Various Colors	3.11
32 93 13 00-0108	EA	4" Pot Lantana camera - Common Lantana	1.32
32 93 13 00-0109	EA	1 Gallon Lantana camera - Common Lantana	3.81
32 93 13 00-0110	EA	1 Gallon Lantana sellowiana - Trailing Lantana	2.05
32 93 13 00-0111	EA	4" Pot Lavandula angustifolia - English Lavender	1.91
32 93 13 00-0112	EA	1 Quart Lavandula angustifolia - English Lavender	3.67
32 93 13 00-0113	EA	1 Gallon Lavandula angustifolia - English Lavender	6.01
32 93 13 00-0114	EA	1 Gallon Liriope Evergreen Giant, 6 To 8 Bibs Minimum	3.11
32 93 13 00-0115	EA	1 Gallon Variegated Liriope Evergreen Giant, 6 To 8 Bibs Minimum	3.93
32 93 13 00-0116	EA	3 Gallon Variegated Liriope Evergreen Giant, 6 To 8 Bibs Minimum	6.28
32 93 13 00-0117	EA	1 Gallon Liriope muscari 'Big Blue' - Big Blue Liriope	2.46
32 93 13 00-0118	EA	1 Gallon Liriope muscari 'Variegata' - Variegated Lilyturf	6.01
32 93 13 00-0119	EA	2 Quart Liriope spicata - Creeping Lilyturf	3.81
32 93 13 00-0120	EA	1 Gallon Liriope spicata - Creeping Lilyturf	6.89



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 13 00-0121	EA	5	Gallon Liriope spicata - Creeping Lilytuft	14.52	
32 93 13 00-0122	EA	Bare Root	Liriope spicata - Creeping Liriope	0.96	
32 93 13 00-0123	EA	1	Gallon Lonicera x heckrottii - Gold Flame Honeysuckle	6.01	
32 93 13 00-0124	EA	2	Gallon Lonicera x heckrottii - Gold Flame Honeysuckle	11.44	
32 93 13 00-0125	EA	3"	Pot Lonicera japonica 'Halliana' - Hall's Japanese Honeysuckle.....	1.32	
32 93 13 00-0126	EA	1	Gallon Lonicera japonica 'Halliana' - Hall's Japanese Honeysuckle	6.01	
32 93 13 00-0127	EA	2	Gallon Lonicera japonica 'Halliana' - Hall's Japanese Honeysuckle	11.44	
32 93 13 00-0128	EA	2	Quart Lysimachia nummularia - Creeping Jenny	2.20	
32 93 13 00-0129	EA	1	Gallon Lysimachia nummularia - Creeping Jenny.....	4.25	
32 93 13 00-0130	EA	1	Gallon Macfadyena unguis-cati - Cat Claw Vine.....	5.28	
32 93 13 00-0131	EA	5	Gallon Macfadyena unguis-cati - Cat Claw Vine.....	22.88	
32 93 13 00-0132	EA	1	Quart Moss Phlox, Creeping Phlox.....	2.20	
32 93 13 00-0133	EA	1	Gallon Moss Phlox, Creeping Phlox	5.28	
32 93 13 00-0134	EA	1	Gallon Nephrolepis exaltata - Common Boston Fern.....	2.77	
32 93 13 00-0135	EA	1	Quart Nepeta mussinii - Persian Catmint.....	2.20	
32 93 13 00-0136	EA	1	Gallon Nepeta mussinii - Persian Catmint.....	4.55	
32 93 13 00-0137	EA	4"	Pot Ophiopogon Japonicus - Mondo grass.....	1.32	
32 93 13 00-0138	EA	1	Gallon Ophiopogon Japonicus - Mondo grass	5.28	
32 93 13 00-0139	EA	5	Gallon Ophiopogon Japonicus - Mondo grass	12.17	
32 93 13 00-0140	EA	2'	To 3' High Oregon Holly-Grape.....	6.09	
32 93 13 00-0141	EA	1	Gallon Pachysandra terminalis - Pachysandra	7.94	
32 93 13 00-0142	EA	4"	Pot Parthenocissus tricuspidata - Boston Ivy	3.67	
32 93 13 00-0143	EA	1	Gallon Parthenocissus tricuspidata - Boston Ivy	8.36	
32 93 13 00-0144	EA	5	Gallon Parthenocissus tricuspidata - Boston Ivy	22.88	
32 93 13 00-0145	EA	3"	Pot Parthenocissus quinquefolia - Virginia Creeper	1.32	
32 93 13 00-0146	EA	1	Gallon Parthenocissus quinquefolia - Virginia Creeper.....	6.89	
32 93 13 00-0147	EA	1	Gallon Ranunculaceae - Clematis Varieties.....	7.58	
32 93 13 00-0148	EA	2	Gallon Ranunculaceae - Clematis Varieties.....	14.02	
32 93 13 00-0149	EA	3	Gallon Rhamphiolepis umbellata 'Minor' - Dwarf Indian Hawthorn	8.54	
32 93 13 00-0150	EA	3"	Pot Rosmarinus officinalis 'Prostratus' - Creeping Rosemary.....	1.32	
32 93 13 00-0151	EA	1	Gallon Rosmarinus officinalis 'Prostratus' - Creeping Rosemary	5.28	
32 93 13 00-0152	EA	2-1/4"	Pot Securigera varia - Crown Vetch	0.88	
32 93 13 00-0153	EA	50	Plant Flat Securigera varia - Crown Vetch.....	29.77	
32 93 13 00-0154	EA	1	Quart Senecio cineraria - Dusty Miller	2.20	
32 93 13 00-0155	EA	1	Gallon Senecio cineraria - Dusty Miller	5.28	
32 93 13 00-0156	EA	1	Quart Stachys byzantina - Lamb's Ear.....	2.20	
32 93 13 00-0157	EA	1	Quart Stachys byzantina - Lamb's Ear.....	5.28	
32 93 13 00-0158	EA	1	Gallon Tradescantia spathacea - Dwarf Oyster Plant.....	2.85	
32 93 13 00-0159	EA	1	Gallon Tradescantia spathacea - Rhoeco Discolor "Dwarf".....	2.77	
32 93 13 00-0160	EA	24"	To 30" High Viburnum awabuki - Sweet Viburnum	18.56	
32 93 13 00-0161	EA	2	Quart Verbena peruviana "St. Paul" - St. Paul Verbena	2.79	
32 93 13 00-0162	EA	1	Gallon Verbena peruviana "St. Paul" - St. Paul Verbena.....	4.25	
32 93 13 00-0163	EA	2-1/4"	Pot Vinca minor - Periwinkle.....	0.73	
32 93 13 00-0164	EA	4"	Pot Vinca minor - Periwinkle.....	2.20	
32 93 13 00-0165	EA	Bare Root	Vinca minor - Periwinkle	0.73	
32 93 13 00-0166	EA	48	Plant Flat Vinca minor - Lesser Periwinkle.....	26.14	
32 93 13 00-0167	EA	2-1/4"	Pot Vinca major - Variegated Greater Periwinkle	0.73	
32 93 13 00-0168	EA	4"	Pot Vinca major - Variegated Greater Periwinkle	2.20	
32 93 13 00-0169	EA	Bare Root	Vinca major - Variegated Greater Periwinkle.....	0.73	
32 93 13 00-0170	EA	1	Quart Waldsteinia ternata - Barren Strawberry	2.20	
32 93 13 00-0171	EA	1	Gallon Waldsteinia ternata - Barren Strawberry	5.28	
32 93 13 00-0172	EA	1	Gallon Wisteria sinensis - Chinese Wisteria Vine	6.89	
32 93 13 00-0173	EA	3	Gallon Wisteria sinensis - Chinese Wisteria Vine	15.25	
32 93 13 00-0174	EA	5	Gallon Wisteria sinensis - Chinese Wisteria Vine	22.88	
32 93 13 00-0175	EA	Flat	Hedera canariensis - Algerian Ivy	12.54	
32 93 13 00-0176	EA	2-1/2"	Pot Hedera canariensis - Algerian Ivy	3.31	
32 93 13 00-0177	EA	Flat	Gazania 'Copper King'	10.29	
32 93 13 00-0178	EA	1	Gallon Gazania 'Copper King'	3.51	
32 93 13 00-0179	EA	Flat	Myoporum parvifolium - Myoporum	12.54	
32 93 13 00-0180	EA	1	Gallon Myoporum parvifolium - Myoporum	3.51	
32 93 13 00-0181	EA	5	Gallon Myoporum parvifolium - Myoporum	10.04	
32 93 13 00-0182	EA	1	Gallon Lantana montevidensis - Purple Lantana	3.51	
32 93 13 00-0183	EA	5	Gallon Lantana montevidensis - Purple Lantana	10.04	
32 93 13 00-0184	EA	Flat	Carpobrotus - Ice Plant.....	9.53	
32 93 13 00-0185	EA	1	Gallon Carpobrotus - Ice Plant.....	4.01	

32 93 23 Plants And Bulbs (32 93)

Note: Materials only.

32 93 23 00-0001 Perennials (32 93 23)

32 93 23 00-0002	EA	2	Quart Assorted Daylilies	4.25	
32 93 23 00-0003	EA	1	Gallon Assorted Daylilies.....	6.01	
32 93 23 00-0004	EA	2	Gallon Assorted Daylilies.....	9.97	
32 93 23 00-0005	EA	1	Quart Azure Penstemon	2.20	
32 93 23 00-0006	EA	1	Gallon Azure Penstemon	5.50	
32 93 23 00-0007	EA	1	Quart Balloon Flower	2.20	
32 93 23 00-0008	EA	1	Gallon Balloon Flower.....	5.50	
32 93 23 00-0009	EA	1	Quart Black-eyed Susan.....	2.20	
32 93 23 00-0010	EA	1	Gallon Black-eyed Susan.....	5.50	
32 93 23 00-0011	EA	2	Gallon Black-eyed Susan.....	7.11	
32 93 23 00-0012	EA	1	Quart Blackberry Lily	2.20	

32 Exterior Improvements**32 90 Planting****32 93 Plants**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

32 93 23 00-0013	EA	1 Gallon Blackberry Lily	5.50	
32 93 23 00-0014	EA	1 Quart Blank Flower	2.20	
32 93 23 00-0015	EA	1 Gallon Blank Flower	5.06	
32 93 23 00-0016	EA	2 Gallon Blank Flower	7.11	
32 93 23 00-0017	EA	1 Quart Blazing Star, Gayfeather	2.20	
32 93 23 00-0018	EA	1 Gallon Blazing Star, Gayfeather	5.50	
32 93 23 00-0019	EA	1 Quart Bloodred Geranium	3.74	
32 93 23 00-0020	EA	1 Gallon Bloodred Geranium	6.31	
32 93 23 00-0021	EA	1 Quart Blue Plumbago	2.20	
32 93 23 00-0022	EA	1 Gallon Blue Plumbago	5.50	
32 93 23 00-0023	EA	1 Quart Blue Star	3.96	
32 93 23 00-0024	EA	1 Gallon Blue Star	6.31	
32 93 23 00-0025	EA	1 Quart Cardinal Flower	2.20	
32 93 23 00-0026	EA	1 Gallon Cardinal Flower	5.50	
32 93 23 00-0027	EA	4" Pot Columbine	1.32	
32 93 23 00-0028	EA	1 Quart Columbine	2.20	
32 93 23 00-0029	EA	1 Gallon Columbine	5.50	
32 93 23 00-0030	EA	1 Quart Common Globeflower	2.20	
32 93 23 00-0031	EA	1 Gallon Common Globeflower	5.50	
32 93 23 00-0032	EA	1 Quart Cottage Pink, Scotch Pink	2.20	
32 93 23 00-0033	EA	1 Quart Cottage Pink, Scotch Pink	5.50	
32 93 23 00-0034	EA	1 Gallon Astilbe 'Deutschland'	7.92	
32 93 23 00-0035	EA	1 Quart Diploid	2.79	
32 93 23 00-0036	EA	1 Gallon Diploid	6.31	
32 93 23 00-0037	EA	3 Gallon Diploid	10.85	
32 93 23 00-0038	EA	4" Pot Dune Sunflower	3.14	
32 93 23 00-0039	EA	1 Quart Evans Begonia	3.96	
32 93 23 00-0040	EA	1 Gallon Evans Begonia	7.11	
32 93 23 00-0041	EA	1 Quart False Dragonhead	2.20	
32 93 23 00-0042	EA	1 Gallon False Dragonhead	5.50	
32 93 23 00-0043	EA	1 Quart False Spirea	2.20	
32 93 23 00-0044	EA	1 Gallon False Spirea	7.11	
32 93 23 00-0045	EA	3 Gallon False Spirea	9.83	
32 93 23 00-0046	EA	2 Quart False Sunflower	3.52	
32 93 23 00-0047	EA	1 Gallon False Sunflower	5.50	
32 93 23 00-0048	EA	2 Gallon False Sunflower	7.11	
32 93 23 00-0049	EA	1 Gallon Foxglove	5.06	
32 93 23 00-0050	EA	2 Gallon Foxglove	7.11	
32 93 23 00-0051	EA	3 Gallon Foxglove	10.27	
32 93 23 00-0052	EA	1 Gallon Francee Hostas	8.91	
32 93 23 00-0053	EA	1 Quart Garden Phlox	2.20	
32 93 23 00-0054	EA	1 Gallon Garden Phlox	5.50	
32 93 23 00-0055	EA	2 Quart Golden Groundsel	4.69	
32 93 23 00-0056	EA	2 Gallon Golden Groundsel	9.46	
32 93 23 00-0057	EA	1 Quart Golden Star	2.20	
32 93 23 00-0058	EA	1 Gallon Golden Star	5.50	
32 93 23 00-0059	EA	1 Quart Goldenrod	2.20	
32 93 23 00-0060	EA	1 Gallon Goldenrod	5.50	
32 93 23 00-0061	EA	1 Gallon Happy Returns Daylillies	10.24	
32 93 23 00-0062	EA	4" Pot Hardy Aster, Michaelmas Daisy	1.32	
32 93 23 00-0063	EA	1 Quart Hardy Aster, Michaelmas Daisy	2.20	
32 93 23 00-0064	EA	1 Gallon Hardy Aster, Michaelmas Daisy	5.50	
32 93 23 00-0065	EA	1 Quart Hardy Chrysanthemum	1.91	
32 93 23 00-0066	EA	6" To 8" Pot Hardy Chrysanthemum	3.15	
32 93 23 00-0067	EA	1 Gallon Hardy Chrysanthemum	5.06	
32 93 23 00-0068	EA	1 Gallon Herbaceous Peony	7.85	
32 93 23 00-0069	EA	2 Gallon Herbaceous Peony	12.54	
32 93 23 00-0070	EA	3 Gallon Herbaceous Peony	16.50	
32 93 23 00-0071	EA	4" Pot Japanese Anemone	1.32	
32 93 23 00-0072	EA	1 Quart Japanese Anemone	3.96	
32 93 23 00-0073	EA	2 Gallon Japanese Anemone	7.11	
32 93 23 00-0074	EA	2" Pot Japanese Spurge	0.78	
32 93 23 00-0075	EA	6" Pot Japanese Spurge	1.17	
32 93 23 00-0076	EA	1 Gallon Japanese Spurge	5.05	
32 93 23 00-0077	EA	1 Quart Oriental Poppy	3.15	
32 93 23 00-0078	EA	1 Gallon Oriental Poppy	6.31	
32 93 23 00-0079	EA	48 Plant Flat Pachysandra terminalis	26.14	
32 93 23 00-0080	EA	1 Gallon Pacific Coast Iris	4.33	
32 93 23 00-0081	EA	3 Gallon Pacific Coast Iris	8.21	
32 93 23 00-0082	EA	1 Gallon Palace Purple Coral Bells	8.33	
32 93 23 00-0083	EA	4" Pot Perennial Salvia	1.32	
32 93 23 00-0084	EA	1 Quart Perennial Salvia	2.20	
32 93 23 00-0085	EA	1 Gallon Perennial Salvia	5.50	
32 93 23 00-0086	EA	1 Quart Pincushion Flower	2.20	
32 93 23 00-0087	EA	1 Gallon Pincushion Flower	5.50	
32 93 23 00-0088	EA	2 Quart Plantain Lily	4.25	
32 93 23 00-0089	EA	1 Gallon Plantain Lily	6.01	
32 93 23 00-0090	EA	2 Gallon Plantain Lily	9.97	
32 93 23 00-0091	EA	3 Gallon Plantain Lily	18.85	
32 93 23 00-0092	EA	2 Quart Purple Coneflower	3.96	
32 93 23 00-0093	EA	1 Gallon Purple Coneflower	5.50	



		Exterior Improvements	32
		Planting	32 90
		Plants	32 93

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 23 00-0094 EA 2 Gallon Purple Coneflower.....	7.11	
32 93 23 00-0095 EA 1 Quart Purple Loosestrife.....	2.20	
32 93 23 00-0096 EA 1 Gallon Purple Loosestrife.....	5.50	
32 93 23 00-0097 EA 1 Quart Rose Mallow.....	4.33	
32 93 23 00-0098 EA 2 Gallon Rose Mallow.....	7.85	
32 93 23 00-0099 EA 3 Gallon Rose Mallow.....	13.42	
32 93 23 00-0100 EA 1 Gallon Autumn Joy Sedum.....	8.39	
32 93 23 00-0101 EA 1 Quart Siberian Iris.....	3.74	
32 93 23 00-0102 EA 2 Gallon Siberian Iris.....	7.11	
32 93 23 00-0103 EA 3 Gallon Siberian Iris.....	9.83	
32 93 23 00-0104 EA 1 Quart Speedwell.....	2.20	
32 93 23 00-0105 EA 1 Gallon Speedwell.....	5.50	
32 93 23 00-0106 EA 1 Quart Tetraploid.....	5.50	
32 93 23 00-0107 EA 1 Gallon Tetraploid.....	10.27	
32 93 23 00-0108 EA 3 Gallon Tetraploid.....	14.01	
32 93 23 00-0109 EA 1 Quart Threadleaf Coreopsis.....	2.20	
32 93 23 00-0110 EA 1 Gallon Threadleaf Coreopsis.....	5.50	
32 93 23 00-0111 EA 1 Quart Torch Lily.....	2.20	
32 93 23 00-0112 EA 1 Quart Bluebeard.....	3.96	
32 93 23 00-0113 EA 1 Gallon Bluebeard.....	5.87	
32 93 23 00-0114 EA 2 Gallon Bluebeard.....	8.58	
32 93 23 00-0115 Annuals (32 93 23)		
32 93 23 00-0116 EA 2-1/2" Pot Annual Flowers.....	1.02	
32 93 23 00-0117 EA 3" Pot Annual Flowers.....	1.38	
32 93 23 00-0118 EA 4" Pot Annual Flowers.....	2.95	
32 93 23 00-0119 EA 5-1/2" Pot Annual Flowers.....	3.92	
32 93 23 00-0120 EA 6" Pot Annual Flowers.....	7.77	
32 93 23 00-0121 EA 8" Pot Annual Flowers.....	12.95	
32 93 23 00-0122 EA 36 Plant Flat Annual Flowers.....	16.96	
32 93 23 00-0123 EA 48 Plant Flat Annual Flowers.....	19.23	
32 93 23 00-0124 Bulbs (32 93 23)		
32 93 23 00-0125 EA Top Size Allium giganteum - Giant Ornamental Onion.....	3.55	
32 93 23 00-0126 EA Top Size Allium sphaerocephalum - Drumstick Ornamental Onion.....	0.20	
32 93 23 00-0127 EA Top Size Crocus Hybrid.....	0.23	
32 93 23 00-0128 EA Top Size Eranthis hyemalis - Winter Aconite.....	0.30	
32 93 23 00-0129 EA Top Size Galanthus nivalis - Snowdrops.....	0.38	
32 93 23 00-0130 EA Top Size Iris reticulata cvs - Dutch Iris.....	0.15	
32 93 23 00-0131 EA Top Size Muscari armeniacum - Grape Hyacinth.....	0.18	
32 93 23 00-0132 EA Top Size Muscari latifolium - Grape Hyacinth.....	0.20	
32 93 23 00-0133 EA Narcissus 'Carlton' - Carlton Daffodil DNI.....	1.23	
32 93 23 00-0134 EA Narcissus 'Dutch Master' - Dutch Master Daffodil DNI.....	0.59	
32 93 23 00-0135 EA Narcissus 'February Gold' - February Gold Daffodil DNI.....	0.61	
32 93 23 00-0136 EA Narcissus 'Ice Follies' - Ice Follies Daffodil DNI.....	0.61	
32 93 23 00-0137 EA Narcissus 'Mount Hood' - Mount Hood Daffodil DNI.....	0.64	
32 93 23 00-0138 EA Narcissus 'Papillon Blanc' - Papillon Blanc Daffodil DNI.....	0.68	
32 93 23 00-0139 EA Narcissus 'Pipit' - Pipit Daffodil DNI.....	0.64	
32 93 23 00-0140 EA Narcissus 'Salome' - Salome Daffodil DNI.....	0.60	
32 93 23 00-0141 EA Narcissus 'Tete A Tete' - Tete A Tete Daffodil DNI.....	0.64	
32 93 23 00-0142 EA Narcissus 'Thalia' - Thalia Daffodil DNI.....	0.64	
32 93 23 00-0143 EA Top Size Scilla siberica - Siberian Squill.....	0.19	
32 93 23 00-0144 EA Top Size Tulip 'Angelique' - Angelique Tulip.....	0.55	
32 93 23 00-0145 EA Top Size Tulip 'Apeldoorn' - Apeldoorn Tulip.....	0.41	
32 93 23 00-0146 EA Top Size Tulip 'Apricot Beauty' - Apricot Beauty Tulip.....	0.55	
32 93 23 00-0147 EA Top Size Tulip 'Big Smile' - Big Smile Tulip.....	0.48	
32 93 23 00-0148 EA Top Size Tulip 'Black Parrot' - Black Parrot Tulip.....	0.68	
32 93 23 00-0149 EA Top Size Tulip 'Blue Heron' - Blue Heron Tulip.....	0.52	
32 93 23 00-0150 EA Top Size Tulip 'Cardinal' - Cardinal Tulip.....	0.45	
32 93 23 00-0151 EA Top Size Tulip 'Christmas Marvel' - Christmas Marvel Tulip.....	0.51	
32 93 23 00-0152 EA Top Size Tulip clusiana - Species Tulip.....	0.51	
32 93 23 00-0153 EA Top Size Tulip 'Elizabeth Arden' - Elizabeth Arden Tulip.....	0.51	
32 93 23 00-0154 EA Top Size Tulip 'Golden Apledoorn' - Golden Apledoorn Tulip.....	0.41	
32 93 23 00-0155 EA Top Size Tulip 'Golden Emperor' - Golden Emperor Tulip.....	0.40	
32 93 23 00-0156 EA Top Size Tulip 'Halcro' - Halcro Tulip.....	0.41	
32 93 23 00-0157 EA Top Size Tulip 'Ivory Floradale' - Ivory Floradale Tulip.....	0.68	
32 93 23 00-0158 EA Top Size Tulip 'Orange Emperor' - Orange Emperor Tulip.....	0.41	
32 93 23 00-0159 EA Top Size Tulip 'Passionale' - Passionale Tulip.....	0.55	
32 93 23 00-0160 EA Top Size Tulip 'Peach Blossom' - Peach Blossom Tulip.....	0.59	
32 93 23 00-0161 EA Top Size Tulip 'Peer Gynt' - Peer Gynt Tulip.....	0.61	
32 93 23 00-0162 EA Top Size Tulip 'Pink Diamond' - Pink Diamond Tulip.....	0.49	
32 93 23 00-0163 EA Top Size Tulip 'Pink Emperor' - Pink Emperor Tulip.....	0.46	
32 93 23 00-0164 EA Top Size Tulip praetens 'Fusilier' - Praetens Fusilier Tulip.....	0.51	
32 93 23 00-0165 EA Top Size Tulip 'Princesps' - Princesps Tulip.....	0.51	
32 93 23 00-0166 EA Top Size Tulip 'Red Riding Hood' - Red Riding Hood Tulip.....	0.40	
32 93 23 00-0167 EA Top Size Tulip saxatilis - Species Tulip.....	0.27	
32 93 23 00-0168 EA Top Size Tulip 'Shirley' - Shirley Tulip.....	0.41	
32 93 23 00-0169 EA Top Size Tulip 'Spring Green' - Spring Green Tulip.....	0.53	
32 93 23 00-0170 EA Top Size Tulip 'White Emperor' - White Emperor Tulip.....	0.41	

32 Exterior Improvements**32 90 Planting****32 93 Plants**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST**32 93 33 Shrubs** (32 93)

Note: (cvs = cultivar) materials only.

32 93 33 00-0001 Shrubs (32 93 33)

32 93 33 00-0002	EA	1 Gallon Abelia x grandiflora - Abelia.....	3.30
32 93 33 00-0003	EA	3 Gallon Abelia x grandiflora - Abelia.....	6.72
32 93 33 00-0004	EA	5 Gallon Abelia x grandiflora - Abelia.....	12.90
32 93 33 00-0005	EA	1 Gallon Abelia grandiflora 'Edward Goucher' - Pink Abelia.....	4.67
32 93 33 00-0006	EA	5 Gallon Abelia grandiflora 'Edward Goucher' - Pink Abelia.....	11.54
32 93 33 00-0007	EA	15 Gallon Abelia grandiflora 'Edward Goucher' - Pink Abelia.....	45.81
32 93 33 00-0008	EA	3 Gallon Aesculus parviflora 'Rogers' - Rogers Bottlebrush Buckeye.....	85.85
32 93 33 00-0009	EA	18" B&B Aesculus parviflora 'Rogers' - Rogers Bottlebrush Buckeye.....	125.47
32 93 33 00-0010	EA	24" B&B Aesculus parviflora 'Rogers' - Rogers Bottlebrush Buckeye.....	139.99
32 93 33 00-0011	EA	30" B&B Aesculus parviflora 'Rogers' - Rogers Bottlebrush Buckeye.....	176.97
32 93 33 00-0012	EA	36" B&B Aesculus parviflora 'Rogers' - Rogers Bottlebrush Buckeye.....	196.78
32 93 33 00-0013	EA	18" B&B Aesculus parviflora - Bottlebrush Buckeye.....	39.62
32 93 33 00-0014	EA	24" B&B Aesculus parviflora - Bottlebrush Buckeye.....	52.83
32 93 33 00-0015	EA	30" B&B Aesculus parviflora - Bottlebrush Buckeye.....	66.03
32 93 33 00-0016	EA	1 Gallon Agapanthus 'Peter Pan' - Lily of the Nile.....	4.67
32 93 33 00-0017	EA	5 Gallon Agapanthus 'Peter Pan' - Lily of the Nile.....	11.54
32 93 33 00-0018	EA	36" B&B Aronia arbutifolia & cvs - Red Chokeberry.....	22.45
32 93 33 00-0019	EA	42" B&B Aronia arbutifolia & cvs - Red Chokeberry.....	26.41
32 93 33 00-0020	EA	48" B&B Aronia arbutifolia & cvs - Red Chokeberry.....	31.70
32 93 33 00-0021	EA	60" B&B Aronia arbutifolia & cvs - Red Chokeberry.....	36.98
32 93 33 00-0022	EA	72" B&B Aronia arbutifolia & cvs - Red Chokeberry.....	44.90
32 93 33 00-0023	EA	36" B&B Aronia melanocarpa & cvs - Black Chokeberry.....	21.79
32 93 33 00-0024	EA	42" B&B Aronia melanocarpa & cvs - Black Chokeberry.....	23.11
32 93 33 00-0025	EA	48" B&B Aronia melanocarpa & cvs - Black Chokeberry.....	24.43
32 93 33 00-0026	EA	60" B&B Aronia melanocarpa & cvs - Black Chokeberry.....	27.73
32 93 33 00-0027	EA	36" B&B Aronia prunifolia - Purple-Fruited Chokeberry.....	22.12
32 93 33 00-0028	EA	42" B&B Aronia prunifolia - Purple-Fruited Chokeberry.....	23.44
32 93 33 00-0029	EA	48" B&B Aronia prunifolia - Purple-Fruited Chokeberry.....	24.76
32 93 33 00-0030	EA	60" B&B Aronia prunifolia - Purple-Fruited Chokeberry.....	26.08
32 93 33 00-0031	EA	1 Gallon Aspidistra elatior - Cast Iron Plant.....	4.54
32 93 33 00-0032	EA	2 Gallon Aspidistra elatior - Cast Iron Plant.....	10.50
32 93 33 00-0033	EA	1 Gallon Aucuba japonica "Variegata" - Gold Dust Plant.....	5.32
32 93 33 00-0034	EA	3 Gallon Aucuba japonica "Variegata" - Gold Dust Plant.....	11.71
32 93 33 00-0035	EA	5 Gallon Aucuba japonica "Variegata" - Gold Dust Plant.....	15.82
32 93 33 00-0036	EA	1 Gallon Baccharis pilularis 'Pigeon Point' - Dwarf Coyote Brush.....	4.67
32 93 33 00-0037	EA	5 Gallon Baccharis pilularis 'Pigeon Point' - Dwarf Coyote Brush.....	11.54
32 93 33 00-0038	EA	1 Gallon Baccharis pilularis 'Twin Peaks' - Dwarf Coyote Brush.....	4.67
32 93 33 00-0039	EA	5 Gallon Baccharis pilularis 'Twin Peaks' - Dwarf Coyote Brush.....	11.54
32 93 33 00-0040	EA	1 Gallon Bauhinia purpurea - Orange-eye Butterfly Bush.....	5.68
32 93 33 00-0041	EA	2 Gallon Bauhinia purpurea - Orange-eye Butterfly Bush.....	8.30
32 93 33 00-0042	EA	15" To 18" Berberis - Northern Bayberry.....	23.69
32 93 33 00-0043	EA	2' To 2-1/2' Berberis - Northern Bayberry.....	30.08
32 93 33 00-0044	EA	2-1/2' To 3' Berberis - Northern Bayberry.....	42.14
32 93 33 00-0045	EA	1 Gallon Berberis Buxifolia 'Nana' - Barberry.....	5.27
32 93 33 00-0046	EA	5 Gallon Berberis Buxifolia 'Nana' - Barberry.....	12.70
32 93 33 00-0047	EA	18" To 24" Berberis julianae - Dwarf Wintergreen Barberry.....	25.33
32 93 33 00-0048	EA	2' To 2-1/2' Berberis julianae - Dwarf Wintergreen Barberry.....	32.42
32 93 33 00-0049	EA	2-1/2' To 3' Berberis julianae - Dwarf Wintergreen Barberry.....	41.43
32 93 33 00-0050	EA	1 Gallon Berberis thunbergii - Crimson Pygmy Barberry.....	6.81
32 93 33 00-0051	EA	2 Gallon Berberis thunbergii - Crimson Pygmy Barberry.....	13.41
32 93 33 00-0052	EA	3 Gallon Berberis thunbergii - Crimson Pygmy Barberry.....	16.39
32 93 33 00-0053	EA	1 Gallon Berberis x mentorensis - Mentor Barberry.....	6.46
32 93 33 00-0054	EA	5 Gallon Berberis x mentorensis - Mentor Barberry.....	18.23
32 93 33 00-0055	EA	2' To 3' Berberis x mentorensis - Mentor Barberry.....	25.33
32 93 33 00-0056	EA	3' To 4' Berberis x mentorensis - Mentor Barberry.....	39.09
32 93 33 00-0057	EA	1 Gallon Buxus microphylla japonica - Japanese Boxwood.....	7.38
32 93 33 00-0058	EA	5 Gallon Buxus microphylla japonica - Japanese Boxwood.....	19.79
32 93 33 00-0059	EA	12" To 15" Buxus microphylla japonica - Japanese Boxwood.....	21.07
32 93 33 00-0060	EA	15" To 18" Buxus microphylla japonica - Japanese Boxwood.....	27.10
32 93 33 00-0061	EA	18" To 24" Buxus microphylla japonica - Japanese Boxwood.....	36.11
32 93 33 00-0062	EA	24" To 30" Buxus microphylla japonica - Japanese Boxwood.....	54.20
32 93 33 00-0063	EA	30" To 36" Buxus microphylla japonica - Japanese Boxwood.....	75.27
32 93 33 00-0064	EA	12" To 15" Buxus sempervirens - Common Boxwood.....	21.07
32 93 33 00-0065	EA	15" To 18" Buxus sempervirens - Common Boxwood.....	27.10
32 93 33 00-0066	EA	18" To 24" Buxus sempervirens - Common Boxwood.....	36.11
32 93 33 00-0067	EA	24" To 30" Buxus sempervirens - Common Boxwood.....	54.20
32 93 33 00-0068	EA	2 Gallon Buxus Hybrid - Boxwood Cultivars.....	13.87
32 93 33 00-0069	EA	5 Gallon Buxus Hybrid - Boxwood Cultivars.....	23.11
32 93 33 00-0070	EA	5 Gallon Buxus microphylla & cvs - Little leaf Boxwood.....	60.75
32 93 33 00-0071	EA	18" B&B Buxus microphylla & cvs - Little leaf Boxwood.....	33.02
32 93 33 00-0072	EA	24" B&B Buxus microphylla & cvs - Little leaf Boxwood.....	44.90
32 93 33 00-0073	EA	30" B&B Buxus microphylla & cvs - Little leaf Boxwood.....	60.75
32 93 33 00-0074	EA	1 Gallon Callistemon citrinus 'Little John' - Dwarf Bottle Bush.....	4.19
32 93 33 00-0075	EA	5 Gallon Callistemon citrinus 'Little John' - Dwarf Bottle Bush.....	12.89
32 93 33 00-0076	EA	15 Gallon Callistemon citrinus 'Little John' - Dwarf Bottle Bush.....	41.89
32 93 33 00-0077	EA	5 Gallon Calycanthus floridus - Common Sweetshrub.....	21.79



Exterior Improvements 32

Planting 32 90

Plants 32 93

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MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 33 00-0078	EA	30"	B&B Calycanthus floridus - Common Sweetshrub.....	19.81	
32 93 33 00-0079	EA	36"	B&B Calycanthus floridus - Common Sweetshrub.....	26.41	
32 93 33 00-0080	EA	1	Gallon Camellia "Sasanqua" - Camellia.....	5.32	
32 93 33 00-0081	EA	3	Gallon Camellia "Sasanqua" - Camellia.....	11.35	
32 93 33 00-0082	EA	5	Gallon Camellia "Sasanqua" - Camellia.....	18.87	
32 93 33 00-0083	EA	7	Gallon Camellia "Sasanqua" - Camellia.....	28.10	
32 93 33 00-0084	EA	15	Gallon Camellia "Sasanqua" - Camellia.....	72.90	
32 93 33 00-0085	EA	1	Gallon Camellia japonica - Camellia.....	5.32	
32 93 33 00-0086	EA	3	Gallon Camellia japonica - Camellia.....	11.35	
32 93 33 00-0087	EA	5	Gallon Camellia japonica - Camellia.....	18.87	
32 93 33 00-0088	EA	5	Gallon Ceanothus americanus - New Jersey Tea.....	21.79	
32 93 33 00-0089	EA	1	Gallon Ceanothus Griseus Horizontalis 'Yankee Point' - Yankee Point Ceanothus.....	5.27	
32 93 33 00-0090	EA	5	Gallon Ceanothus Griseus Horizontalis 'Yankee Point' - Yankee Point Ceanothus.....	13.70	
32 93 33 00-0091	EA	5	Gallon Celastrus scandens - Bittersweet.....	21.79	
32 93 33 00-0092	EA	36"	B&B Celastrus scandens - Bittersweet.....	18.49	
32 93 33 00-0093	EA	5	Gallon Cephalanthus occidentalis - Buttonbush.....	21.79	
32 93 33 00-0094	EA	24"	B&B Cephalanthus occidentalis - Buttonbush.....	16.51	
32 93 33 00-0095	EA	30"	B&B Cephalanthus occidentalis - Buttonbush.....	18.49	
32 93 33 00-0096	EA	36"	B&B Cephalanthus occidentalis - Buttonbush.....	19.81	
32 93 33 00-0097	EA	18"	To 24" Chaenomeles speciosa - Flowering Quince.....	19.01	
32 93 33 00-0098	EA	2'	To 3' Chaenomeles speciosa - Flowering Quince.....	25.33	
32 93 33 00-0099	EA	3'	To 4' Chaenomeles speciosa - Flowering Quince.....	39.09	
32 93 33 00-0100	EA	1	Gallon Cistus Hybridus - White Rockrose.....	4.67	
32 93 33 00-0101	EA	5	Gallon Cistus Hybridus - White Rockrose.....	11.54	
32 93 33 00-0102	EA	3	Gallon Clethra alnifolia & cvs - Summersweet Clethra.....	21.13	
32 93 33 00-0103	EA	18"	B&B Clethra alnifolia & cvs - Summersweet Clethra.....	22.78	
32 93 33 00-0104	EA	24"	B&B Clethra alnifolia & cvs - Summersweet Clethra.....	25.42	
32 93 33 00-0105	EA	30"	B&B Clethra alnifolia & cvs - Summersweet Clethra.....	26.74	
32 93 33 00-0106	EA	36"	B&B Clethra alnifolia & cvs - Summersweet Clethra.....	31.37	
32 93 33 00-0107	EA	1	Gallon Coleonema Pulchellum - Confetti Bush.....	4.67	
32 93 33 00-0108	EA	5	Gallon Coleonema Pulchellum - Confetti Bush.....	11.54	
32 93 33 00-0109	EA	15	Gallon Coleonema Pulchellum - Confetti Bush.....	54.04	
32 93 33 00-0110	EA	2'	To 3' Cornus mas - Cornelian Cherry.....	30.08	
32 93 33 00-0111	EA	3'	To 4' Cornus mas - Cornelian Cherry.....	37.60	
32 93 33 00-0112	EA	4'	To 5' Cornus mas - Cornelian Cherry.....	48.17	
32 93 33 00-0113	EA	5'	To 6' Cornus mas - Cornelian Cherry.....	66.19	
32 93 33 00-0114	EA	5	Gallon Cornus alba & cvs - Tartarian Dogwood.....	19.81	
32 93 33 00-0115	EA	36"	B&B Cornus alba & cvs - Tartarian Dogwood.....	13.87	
32 93 33 00-0116	EA	48"	B&B Cornus alba & cvs - Tartarian Dogwood.....	15.85	
32 93 33 00-0117	EA	60"	B&B Cornus alba & cvs - Tartarian Dogwood.....	19.81	
32 93 33 00-0118	EA	72"	B&B Cornus alba & cvs - Tartarian Dogwood.....	23.77	
32 93 33 00-0119	EA	36"	B&B Cornus amomum - Silky Dogwood.....	19.81	
32 93 33 00-0120	EA	5	Gallon Cornus obliqua - Blue Fruited Dogwood.....	21.79	
32 93 33 00-0121	EA	5	Gallon Cornus racemosa - Gray Dogwood.....	21.79	
32 93 33 00-0122	EA	36"	B&B Cornus racemosa - Gray Dogwood.....	19.81	
32 93 33 00-0123	EA	48"	B&B Cornus racemosa - Gray Dogwood.....	23.11	
32 93 33 00-0124	EA	60"	B&B Cornus racemosa - Gray Dogwood.....	25.09	
32 93 33 00-0125	EA	72"	B&B Cornus racemosa - Gray Dogwood.....	30.38	
32 93 33 00-0126	EA	36"	B&B Cornus sanguinea & cvs - Bloodtwig Dogwood.....	21.46	
32 93 33 00-0127	EA	48"	B&B Cornus sanguinea & cvs - Bloodtwig Dogwood.....	24.10	
32 93 33 00-0128	EA	60"	B&B Cornus sanguinea & cvs - Bloodtwig Dogwood.....	27.40	
32 93 33 00-0129	EA	24"	B&B Cornus sericea & cvs - Redosier Dogwood.....	17.17	
32 93 33 00-0130	EA	30"	B&B Cornus sericea & cvs - Redosier Dogwood.....	19.81	
32 93 33 00-0131	EA	36"	B&B Cornus sericea & cvs - Redosier Dogwood.....	21.13	
32 93 33 00-0132	EA	48"	B&B Cornus sericea & cvs - Redosier Dogwood.....	23.11	
32 93 33 00-0133	EA	60"	B&B Cornus sericea & cvs - Redosier Dogwood.....	25.75	
32 93 33 00-0134	EA	5	Gallon Corylus americana - American Filbert.....	20.47	
32 93 33 00-0135	EA	30"	B&B Corylus americana - American Filbert.....	23.11	
32 93 33 00-0136	EA	36"	B&B Corylus americana - American Filbert.....	24.76	
32 93 33 00-0137	EA	48"	B&B Corylus americana - American Filbert.....	26.74	
32 93 33 00-0138	EA	24"	B&B Corylus avellana - Contorted Hazelnut.....	66.03	
32 93 33 00-0139	EA	30"	B&B Corylus avellana - Contorted Hazelnut.....	85.85	
32 93 33 00-0140	EA	36"	B&B Corylus avellana - Contorted Hazelnut.....	92.45	
32 93 33 00-0141	EA	42"	B&B Corylus avellana - Contorted Hazelnut.....	118.86	
32 93 33 00-0142	EA	48"	B&B Corylus avellana - Contorted Hazelnut.....	145.28	
32 93 33 00-0143	EA	60"	B&B Corylus avellana - Contorted Hazelnut.....	165.09	
32 93 33 00-0144	EA	5'	To 6' Cotinus coggygria - Smoke Tree.....	63.21	
32 93 33 00-0145	EA	6'	To 8' Cotinus coggygria - Smoke Tree.....	94.78	
32 93 33 00-0146	EA	8'	To 10' Cotinus coggygria - Smoke Tree.....	142.94	
32 93 33 00-0147	EA	5	Gallon Cotoneaster acutifolia & cvs - Peking Cotoneaster.....	16.51	
32 93 33 00-0148	EA	18"	B&B Cotoneaster acutifolia & cvs - Peking Cotoneaster.....	16.51	
32 93 33 00-0149	EA	24"	B&B Cotoneaster acutifolia & cvs - Peking Cotoneaster.....	17.17	
32 93 33 00-0150	EA	12"	To 15' Spread Cotoneaster adpressus - Creeping Cotoneaster.....	15.82	
32 93 33 00-0151	EA	3	Gallon Cotoneaster apiculata & cvs - Cranberry Cotoneaster.....	17.17	
32 93 33 00-0152	EA	18"	B&B Cotoneaster apiculata & cvs - Cranberry Cotoneaster.....	16.51	
32 93 33 00-0153	EA	24"	B&B Cotoneaster apiculata & cvs - Cranberry Cotoneaster.....	17.17	
32 93 33 00-0154	EA	1	Gallon Cotoneaster divaricatus - Spreading Cotoneaster.....	6.81	
32 93 33 00-0155	EA	2'	To 3' Cotoneaster divaricatus - Spreading Cotoneaster.....	21.07	
32 93 33 00-0156	EA	3'	To 4' Cotoneaster divaricatus - Spreading Cotoneaster.....	28.45	
32 93 33 00-0157	EA	4'	To 5' Cotoneaster divaricatus - Spreading Cotoneaster.....	48.17	
32 93 33 00-0158	EA	1	Gallon Cotoneaster glaucophyllus - Gray Leaf Cotoneaster.....	4.67	

32 Exterior Improvements**32 90 Planting****32 93 Plants**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

32 93 33 00-0159	EA	5 Gallon Cotoneaster glaucophyllus - Gray Leaf Cotoneaster	11.54	
32 93 33 00-0160	EA	1 Gallon Cotoneaster horizontalis - Rockspray Cotoneaster	6.81	
32 93 33 00-0161	EA	2 Gallon Cotoneaster horizontalis - Rockspray Cotoneaster	13.41	
32 93 33 00-0162	EA	1 Gallon Cotoneaster lacteus - Red Clusterberry	4.67	
32 93 33 00-0163	EA	5 Gallon Cotoneaster lacteus - Red Clusterberry	11.54	
32 93 33 00-0164	EA	15 Gallon Cotoneaster lacteus - Red Clusterberry	45.81	
32 93 33 00-0165	EA	1 Gallon Dendromecon harfordii - Island Bush Poppy	10.74	
32 93 33 00-0166	EA	5 Gallon Dendromecon harfordii - Island Bush Poppy	26.86	
32 93 33 00-0167	EA	18" B&B Deutzia gracilis - Slender Deutzia	16.84	
32 93 33 00-0168	EA	24" B&B Deutzia gracilis - Slender Deutzia	18.49	
32 93 33 00-0169	EA	30" B&B Deutzia gracilis - Slender Deutzia	23.77	
32 93 33 00-0170	EA	36" B&B Deutzia gracilis - Slender Deutzia	27.73	
32 93 33 00-0171	EA	42" B&B Deutzia gracilis - Slender Deutzia	31.70	
32 93 33 00-0172	EA	24" B&B Diervilla sessilifolia - Southern Bush Honeysuckle	26.41	
32 93 33 00-0173	EA	30" B&B Diervilla sessilifolia - Southern Bush Honeysuckle	31.70	
32 93 33 00-0174	EA	36" B&B Diervilla sessilifolia - Southern Bush Honeysuckle	36.98	
32 93 33 00-0175	EA	2 Gallon Diervilla splendens - Splendens Bush Honeysuckle	9.91	
32 93 33 00-0176	EA	36" B&B Diervilla splendens - Splendens Bush Honeysuckle	23.77	
32 93 33 00-0177	EA	48" B&B Diervilla splendens - Splendens Bush Honeysuckle	31.70	
32 93 33 00-0178	EA	5 Gallon Elaeagnus angustifolia - Russian Olive	11.54	
32 93 33 00-0179	EA	1 Gallon Elaeagnus ebbingei 'Gilt Edge' - Gilt Edge Silverberry	4.67	
32 93 33 00-0180	EA	5 Gallon Elaeagnus ebbingei 'Gilt Edge' - Gilt Edge Silverberry	11.54	
32 93 33 00-0181	EA	15 Gallon Elaeagnus ebbingei 'Gilt Edge' - Gilt Edge Silverberry	45.81	
32 93 33 00-0182	EA	1 Gallon Elaeagnus pungens 'Fruitlandii' - Fruitland Silverberry	4.67	
32 93 33 00-0183	EA	5 Gallon Elaeagnus pungens 'Fruitlandii' - Fruitland Silverberry	11.54	
32 93 33 00-0184	EA	15 Gallon Elaeagnus pungens 'Fruitlandii' - Fruitland Silverberry	45.81	
32 93 33 00-0185	EA	3' To 4' Elaeagnus umbellata - Autumn Olive	19.72	
32 93 33 00-0186	EA	4' To 5' Elaeagnus umbellata - Autumn Olive	27.10	
32 93 33 00-0187	EA	5' To 6' Elaeagnus umbellata - Autumn Olive	32.42	
32 93 33 00-0188	EA	3' To 4' Elaeagnus angustifolia - Russian Olive	31.57	
32 93 33 00-0189	EA	1 Gallon Escallonia x exoniensis 'Fradesii' - Pink Princess Escallonia	4.67	
32 93 33 00-0190	EA	5 Gallon Escallonia x exoniensis 'Fradesii' - Pink Princess Escallonia	11.54	
32 93 33 00-0191	EA	15 Gallon Escallonia x exoniensis 'Fradesii' - Pink Princess Escallonia	45.81	
32 93 33 00-0192	EA	1 Gallon Euonymus - Gold Spot	5.68	
32 93 33 00-0193	EA	2 Gallon Euonymus - Gold Spot	11.92	
32 93 33 00-0194	EA	5 Gallon Euonymus - Gold Spot	16.39	
32 93 33 00-0195	EA	1 Gallon Euonymus alatus - Winged Euonymus	4.84	
32 93 33 00-0196	EA	3 Gallon Euonymus alatus - Winged Euonymus	13.97	
32 93 33 00-0197	EA	24" B&B Euonymus alatus - Winged Euonymus	18.83	
32 93 33 00-0198	EA	30" B&B Euonymus alatus - Winged Euonymus	23.54	
32 93 33 00-0199	EA	36" B&B Euonymus alatus - Winged Euonymus	32.35	
32 93 33 00-0200	EA	42" B&B Euonymus alatus - Winged Euonymus	39.94	
32 93 33 00-0201	EA	48" B&B Euonymus alatus - Winged Euonymus	47.08	
32 93 33 00-0202	EA	54" B&B Euonymus alatus - Winged Euonymus	60.75	
32 93 33 00-0203	EA	5 Gallon Euonymus alatus - Winged Euonymus	17.47	
32 93 33 00-0204	EA	60" B&B Euonymus alatus - Winged Euonymus	75.94	
32 93 33 00-0205	EA	30" B&B Euonymus alatus compactus - Compact Winged Euonymus	29.72	
32 93 33 00-0206	EA	36" B&B Euonymus alatus compactus - Compact Winged Euonymus	35.33	
32 93 33 00-0207	EA	42" B&B Euonymus alatus compactus - Compact Winged Euonymus	46.22	
32 93 33 00-0208	EA	48" B&B Euonymus alatus compactus - Compact Winged Euonymus	55.47	
32 93 33 00-0209	EA	60" B&B Euonymus alatus compactus - Compact Winged Euonymus	68.68	
32 93 33 00-0210	EA	18" To 24" Euonymus alatus - Winged Burning Bush	21.07	
32 93 33 00-0211	EA	2' To 2-1/2' Euonymus alatus - Winged Burning Bush	24.83	
32 93 33 00-0212	EA	2-1/2' To 3' Euonymus alatus - Winged Burning Bush	33.91	
32 93 33 00-0213	EA	3' To 3-1/2' Euonymus alatus - Winged Burning Bush	40.65	
32 93 33 00-0214	EA	3-1/2' To 4' Euonymus alatus - Winged Burning Bush	51.15	
32 93 33 00-0215	EA	4' To 5' Euonymus alatus - Winged Burning Bush	72.22	
32 93 33 00-0216	EA	5' To 6' Euonymus alatus - Winged Burning Bush	90.31	
32 93 33 00-0217	EA	6' To 8' Euonymus alatus - Winged Burning Bush	105.35	
32 93 33 00-0218	EA	15" To 18" Euonymus alatus - Dwarf Winged Burning Bush	21.07	
32 93 33 00-0219	EA	18" To 24" Euonymus alatus - Dwarf Winged Burning Bush	24.05	
32 93 33 00-0220	EA	2' To 2-1/2' Euonymus alatus - Dwarf Winged Burning Bush	29.37	
32 93 33 00-0221	EA	2-1/2' To 3' Euonymus alatus - Dwarf Winged Burning Bush	41.43	
32 93 33 00-0222	EA	3' To 3-1/2' Euonymus alatus - Dwarf Winged Burning Bush	48.95	
32 93 33 00-0223	EA	3-1/2' To 4' Euonymus alatus - Dwarf Winged Burning Bush	58.67	
32 93 33 00-0224	EA	4' To 5' Euonymus alatus - Dwarf Winged Burning Bush	82.79	
32 93 33 00-0225	EA	5' To 6' Euonymus alatus - Dwarf Winged Burning Bush	97.83	
32 93 33 00-0226	EA	36" B&B Euonymus atropurpurea - Eastern Wahoo	17.83	
32 93 33 00-0227	EA	1 Gallon Euonymus fortunei - Wintercreeper	6.81	
32 93 33 00-0228	EA	2 Gallon Euonymus fortunei - Wintercreeper	13.41	
32 93 33 00-0229	EA	3 Gallon Euonymus fortunei - Wintercreeper	16.39	
32 93 33 00-0230	EA	5 Gallon Euonymus fortunei - Wintercreeper	19.44	
32 93 33 00-0231	EA	1 Gallon Euonymus japonicus - Evergreen Spindle	4.67	
32 93 33 00-0232	EA	5 Gallon Euonymus japonicus - Evergreen Spindle	11.54	
32 93 33 00-0233	EA	15 Gallon Euonymus japonicus - Evergreen Spindle	45.81	
32 93 33 00-0234	EA	2' To 3' Forsythia - Korean Forsythia	15.04	
32 93 33 00-0235	EA	3' To 4' Forsythia - Korean Forsythia	19.01	
32 93 33 00-0236	EA	4' To 5' Forsythia - Korean Forsythia	23.69	
32 93 33 00-0237	EA	30" B&B Forsythia cvs - Forsythia cultivars	15.19	
32 93 33 00-0238	EA	36" B&B Forsythia cvs - Forsythia cultivars	16.84	
32 93 33 00-0239	EA	48" B&B Forsythia cvs - Forsythia cultivars	18.16	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 33 00-0240	EA	18"	B&B Forsythia viridissima & cvs - Green Forsythia	15.85	
32 93 33 00-0241	EA	24"	B&B Forsythia viridissima & cvs - Green Forsythia	21.13	
32 93 33 00-0242	EA	24"	B&B Forsythia x intermedia & cvs - Border Forsythia.....	15.85	
32 93 33 00-0243	EA	30"	B&B Forsythia x intermedia & cvs - Border Forsythia.....	18.49	
32 93 33 00-0244	EA	36"	B&B Forsythia x intermedia & cvs - Border Forsythia.....	21.79	
32 93 33 00-0245	EA	42"	B&B Forsythia x intermedia & cvs - Border Forsythia.....	25.09	
32 93 33 00-0246	EA	48"	B&B Forsythia x intermedia & cvs - Border Forsythia.....	29.06	
32 93 33 00-0247	EA	2	Gallon Fothergilla gardenii & cvs - Dwarf Fothergilla.....	22.45	
32 93 33 00-0248	EA	3	Gallon Fothergilla gardenii & cvs - Dwarf Fothergilla.....	31.37	
32 93 33 00-0249	EA	5	Gallon Fothergilla gardenii & cvs - Dwarf Fothergilla.....	33.02	
32 93 33 00-0250	EA	15"	B&B Fothergilla gardenii & cvs - Dwarf Fothergilla.....	34.34	
32 93 33 00-0251	EA	18"	B&B Fothergilla gardenii & cvs - Dwarf Fothergilla.....	36.98	
32 93 33 00-0252	EA	24"	B&B Fothergilla gardenii & cvs - Dwarf Fothergilla.....	44.90	
32 93 33 00-0253	EA	24"	B&B Fothergilla major - Large Fothergilla.....	58.11	
32 93 33 00-0254	EA	30"	B&B Fothergilla major - Large Fothergilla.....	66.03	
32 93 33 00-0255	EA	1	Gallon Gardenia jasminoides - Cape Jasmine.....	4.90	
32 93 33 00-0256	EA	3	Gallon Gardenia jasminoides - Cape Jasmine.....	12.84	
32 93 33 00-0257	EA	5	Gallon Gardenia jasminoides - Cape Jasmine.....	16.39	
32 93 33 00-0258	EA	1	Gallon Grevillea 'Noellii' - Noel's Grevillea.....	4.67	
32 93 33 00-0259	EA	5	Gallon Grevillea 'Noellii' - Noel's Grevillea.....	11.54	
32 93 33 00-0260	EA	15	Gallon Grevillea 'Noellii' - Noel's Grevillea.....	45.81	
32 93 33 00-0261	EA	36"	B&B Hamamelis vernalis & cvs - Vernal Witchhazel.....	46.22	
32 93 33 00-0262	EA	48"	B&B Hamamelis vernalis & cvs - Vernal Witchhazel.....	75.28	
32 93 33 00-0263	EA	60"	B&B Hamamelis vernalis & cvs - Vernal Witchhazel.....	95.09	
32 93 33 00-0264	EA	72"	B&B Hamamelis vernalis & cvs - Vernal Witchhazel.....	145.28	
32 93 33 00-0265	EA	84"	B&B Hamamelis vernalis & cvs - Vernal Witchhazel.....	165.09	
32 93 33 00-0266	EA	1	Gallon Hedychium gartdnerum - Variegated Ginger.....	2.81	
32 93 33 00-0267	EA	3	Gallon Hedychium gartdnerum - Variegated Ginger.....	9.87	
32 93 33 00-0268	EA	5	Gallon Hedychium gartdnerum - Variegated Ginger.....	18.98	
32 93 33 00-0269	EA	1	Gallon Hibiscus rosa-sinensis - Hibiscus.....	7.20	
32 93 33 00-0270	EA	3	Gallon Hibiscus rosa-sinensis - Hibiscus.....	12.15	
32 93 33 00-0271	EA	5	Gallon Hibiscus rosa-sinensis - Hibiscus.....	18.38	
32 93 33 00-0272	EA	5	Gallon Hibiscus syriacus - Rose Of Sharon.....	19.01	
32 93 33 00-0273	EA	2' To 3'	Hibiscus syriacus - Rose Of Sharon.....	16.17	
32 93 33 00-0274	EA	3' To 4'	Hibiscus syriacus - Rose Of Sharon.....	21.85	
32 93 33 00-0275	EA	4' To 5'	Hibiscus syriacus - Rose Of Sharon.....	31.57	
32 93 33 00-0276	EA	5' To 6'	Hibiscus syriacus - Rose Of Sharon.....	43.63	
32 93 33 00-0277	EA	2	Gallon Hydrangea - Blue Hydrangea.....	13.41	
32 93 33 00-0278	EA	5	Gallon Hydrangea - Blue Hydrangea.....	18.87	
32 93 33 00-0279	EA	2' To 3'	Hydrangea paniculata "Grandiflora" - Peegee Hydrangea.....	21.07	
32 93 33 00-0280	EA	3' To 4'	Hydrangea paniculata "Grandiflora" - Peegee Hydrangea.....	24.05	
32 93 33 00-0281	EA	2	Gallon Hydrangea quercifolia - Oakleaf Hydrangea.....	13.41	
32 93 33 00-0282	EA	5	Gallon Hydrangea arborescens & cvs - Smooth Hydrangea.....	23.11	
32 93 33 00-0283	EA	30"	B&B Hydrangea arborescens & cvs - Smooth Hydrangea.....	25.09	
32 93 33 00-0284	EA	36"	B&B Hydrangea arborescens & cvs - Smooth Hydrangea.....	29.06	
32 93 33 00-0285	EA	4	Gallon Hydrangea macrophylla & cvs - Bigleaf Hydrangea.....	30.38	
32 93 33 00-0286	EA	18"	B&B Hydrangea macrophylla & cvs - Bigleaf Hydrangea.....	23.77	
32 93 33 00-0287	EA	24"	B&B Hydrangea macrophylla & cvs - Bigleaf Hydrangea.....	31.70	
32 93 33 00-0288	EA	3	Gallon Hydrangea paniculata & cvs - Panicle Hydrangea.....	13.87	
32 93 33 00-0289	EA	5	Gallon Hydrangea paniculata & cvs - Panicle Hydrangea.....	16.51	
32 93 33 00-0290	EA	18"	B&B Hydrangea paniculata & cvs - Panicle Hydrangea.....	14.20	
32 93 33 00-0291	EA	24"	B&B Hydrangea paniculata & cvs - Panicle Hydrangea.....	15.19	
32 93 33 00-0292	EA	30"	B&B Hydrangea paniculata & cvs - Panicle Hydrangea.....	17.17	
32 93 33 00-0293	EA	36"	B&B Hydrangea paniculata & cvs - Panicle Hydrangea.....	19.81	
32 93 33 00-0294	EA	48"	B&B Hydrangea paniculata & cvs - Panicle Hydrangea.....	26.41	
32 93 33 00-0295	EA	18"	B&B Hydrangea quercifolia & cvs - Oakleaf Hydrangea.....	19.15	
32 93 33 00-0296	EA	24"	B&B Hydrangea quercifolia & cvs - Oakleaf Hydrangea.....	21.79	
32 93 33 00-0297	EA	30"	B&B Hydrangea quercifolia & cvs - Oakleaf Hydrangea.....	25.75	
32 93 33 00-0298	EA	2	Gallon Hypericum kalmianum - St. John's Wort.....	13.41	
32 93 33 00-0299	EA	3	Gallon Hypericum kalmianum - Kalm St. John's Wort.....	15.85	
32 93 33 00-0300	EA	24"	B&B Hypericum kalmianum - Kalm St. John's Wort.....	17.17	
32 93 33 00-0301	EA	1	Gallon Ilex "Carissa" - Holly.....	6.81	
32 93 33 00-0302	EA	2	Gallon Ilex "Carissa" - Holly.....	13.41	
32 93 33 00-0303	EA	5	Gallon Ilex "Carissa" - Holly.....	18.87	
32 93 33 00-0304	EA	18"	To 24" Ilex - Gulfside Sweet Holly.....	18.09	
32 93 33 00-0305	EA	2' To 2-1/2'	Ilex - Gulfside Sweet Holly.....	22.91	
32 93 33 00-0306	EA	2-1/2' To 3'	Ilex - Gulfside Sweet Holly.....	29.72	
32 93 33 00-0307	EA	3' To 3-1/2'	Ilex - Gulfside Sweet Holly.....	36.11	
32 93 33 00-0308	EA	3	Gallon Ilex cornuta - Dwarf Horned Holly.....	13.51	
32 93 33 00-0309	EA	1	Gallon Ilex cornuta, Osmanthus heterophyllus - Dwarf Chinese Holly.....	6.81	
32 93 33 00-0310	EA	2	Gallon Ilex cornuta, Osmanthus heterophyllus - Dwarf Chinese Holly.....	13.41	
32 93 33 00-0311	EA	5	Gallon Ilex cornuta, Osmanthus heterophyllus - Dwarf Chinese Holly.....	19.44	
32 93 33 00-0312	EA	1	Gallon Ilex crenata - Hellers Japanese Holly.....	6.81	
32 93 33 00-0313	EA	2	Gallon Ilex crenata - Hellers Japanese Holly.....	14.90	
32 93 33 00-0314	EA	3	Gallon Ilex crenata - Hellers Japanese Holly.....	19.44	
32 93 33 00-0315	EA	2	Gallon Ilex crenata - Hetzi Japanese Holly.....	14.90	
32 93 33 00-0316	EA	3	Gallon Ilex crenata - Hetzi Japanese Holly.....	17.95	
32 93 33 00-0317	EA	2' To 3'	Ilex crenata - Hetzi Japanese Holly.....	36.11	
32 93 33 00-0318	EA	3' To 4'	Ilex crenata - Hetzi Japanese Holly.....	48.17	
32 93 33 00-0319	EA	2' To 3'	Ilex opaca - American Holly.....	48.17	
32 93 33 00-0320	EA	3' To 4'	Ilex opaca - American Holly.....	79.74	

32 Exterior Improvements**32 90 Planting****32 93 Plants**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

32 93 33 00-0321	EA	4' To 5' Ilex opaca - American Holly	102.30	
32 93 33 00-0322	EA	5' To 6' Ilex opaca - American Holly	123.36	
32 93 33 00-0323	EA	6' To 7' Ilex opaca - American Holly	173.02	
32 93 33 00-0324	EA	7' To 8' Ilex opaca - American Holly	240.77	
32 93 33 00-0325	EA	8' To 10' Ilex opaca - American Holly	346.04	
32 93 33 00-0326	EA	10' To 12' Ilex opaca - American Holly	526.66	
32 93 33 00-0327	EA	12' To 14' Ilex opaca - American Holly	639.45	
32 93 33 00-0328	EA	14' To 16' Ilex opaca - American Holly	789.91	
32 93 33 00-0329	EA	2' To 3' Ilex verticillata - Winterberry (Female)	48.17	
32 93 33 00-0330	EA	3' To 4' Ilex verticillata - Winterberry (Female)	63.21	
32 93 33 00-0331	EA	2' To 3' Ilex verticillata - Winterberry (Male)	39.09	
32 93 33 00-0332	EA	3' To 4' Ilex verticillata - Winterberry (Male)	54.20	
32 93 33 00-0333	EA	4' To 5' Ilex verticillata - Winterberry (Male)	63.21	
32 93 33 00-0334	EA	1 Gallon Ilex vomitoria - Yaupon Holly	6.38	
32 93 33 00-0335	EA	3 Gallon Ilex vomitoria - Yaupon Holly	12.84	
32 93 33 00-0336	EA	10 Gallon Ilex vomitoria - Yaupon Holly	45.12	
32 93 33 00-0337	EA	18" B&B Ilex glabra compacta & cvs - Compact Inkberry Holly	20.47	
32 93 33 00-0338	EA	24" B&B Ilex glabra compacta & cvs - Compact Inkberry Holly	23.11	
32 93 33 00-0339	EA	3 Gallon Ilex meserveae & cvs - Blue Holly	26.41	
32 93 33 00-0340	EA	18" B&B Ilex meserveae & cvs - Blue Holly	24.43	
32 93 33 00-0341	EA	24" B&B Ilex meserveae & cvs - Blue Holly	29.72	
32 93 33 00-0342	EA	5 Gallon Ilex verticillata & cvs - Common Winterberry	21.79	
32 93 33 00-0343	EA	24" B&B Ilex verticillata & cvs - Common Winterberry	21.79	
32 93 33 00-0344	EA	30" B&B Ilex verticillata & cvs - Common Winterberry	23.11	
32 93 33 00-0345	EA	36" B&B Ilex verticillata & cvs - Common Winterberry	27.73	
32 93 33 00-0346	EA	42" B&B Ilex verticillata & cvs - Common Winterberry	31.04	
32 93 33 00-0347	EA	48" B&B Ilex verticillata & cvs - Common Winterberry	33.02	
32 93 33 00-0348	EA	60" B&B Ilex verticillata & cvs - Common Winterberry	42.26	
32 93 33 00-0349	EA	4' To 5' Ilex x attenuata "Foster" - Holly	78.25	
32 93 33 00-0350	EA	5' To 6' Ilex x attenuata "Foster" - Holly	103.78	
32 93 33 00-0351	EA	6' To 7' Ilex x attenuata "Foster" - Holly	92.86	
32 93 33 00-0352	EA	7' To 8' Ilex x attenuata "Foster" - Holly	180.54	
32 93 33 00-0353	EA	1 Gallon Jasminum - Jasmine	1.75	
32 93 33 00-0354	EA	3 Gallon Jasminum - Jasmine	6.83	
32 93 33 00-0355	EA	3 Gallon Jasminum - Orange Jasmine	5.32	
32 93 33 00-0356	EA	4' - 5' Jasminum - Orange Jasmine	60.75	
32 93 33 00-0357	EA	6' - 7' Jasminum - Orange Jasmine	121.50	
32 93 33 00-0358	EA	8' - 10' Jasminum - Orange Jasmine	164.03	
32 93 33 00-0359	EA	3 Gallon Juniperus chinensis cvs - Chinese Juniper	23.11	
32 93 33 00-0360	EA	5 Gallon Juniperus chinensis cvs - Chinese Juniper	25.75	
32 93 33 00-0361	EA	18" B&B Juniperus chinensis cvs - Chinese Juniper	34.34	
32 93 33 00-0362	EA	24" B&B Juniperus chinensis cvs - Chinese Juniper	44.90	
32 93 33 00-0363	EA	30" B&B Juniperus chinensis cvs - Chinese Juniper	52.83	
32 93 33 00-0364	EA	36" B&B Juniperus chinensis cvs - Chinese Juniper	71.32	
32 93 33 00-0365	EA	48" B&B Juniperus chinensis cvs - Chinese Juniper	97.73	
32 93 33 00-0366	EA	1 Gallon Juniperus horizontalis cvs - Creeping Juniper	11.01	
32 93 33 00-0367	EA	3 Gallon Juniperus horizontalis cvs - Creeping Juniper	23.11	
32 93 33 00-0368	EA	5 Gallon Juniperus horizontalis cvs - Creeping Juniper	25.75	
32 93 33 00-0369	EA	15" B&B Juniperus horizontalis cvs - Creeping Juniper	27.73	
32 93 33 00-0370	EA	18" B&B Juniperus horizontalis cvs - Creeping Juniper	30.38	
32 93 33 00-0371	EA	24" B&B Juniperus horizontalis cvs - Creeping Juniper	36.98	
32 93 33 00-0372	EA	30" B&B Juniperus horizontalis cvs - Creeping Juniper	44.90	
32 93 33 00-0373	EA	3 Gallon Juniperus procumbens cvs - Japanese Garden Juniper	17.83	
32 93 33 00-0374	EA	18" B&B Juniperus procumbens cvs - Japanese Garden Juniper	21.13	
32 93 33 00-0375	EA	24" B&B Juniperus procumbens cvs - Japanese Garden Juniper	29.06	
32 93 33 00-0376	EA	30" B&B Juniperus procumbens cvs - Japanese Garden Juniper	36.98	
32 93 33 00-0377	EA	36" B&B Juniperus procumbens cvs - Japanese Garden Juniper	44.90	
32 93 33 00-0378	EA	3 Gallon Juniperus sabina cvs - Savin Juniper	16.51	
32 93 33 00-0379	EA	5 Gallon Juniperus sabina cvs - Savin Juniper	19.81	
32 93 33 00-0380	EA	4 Gallon Juniperus virginiana cvs - Red Cedar Juniper	17.17	
32 93 33 00-0381	EA	36" B&B Juniperus virginiana cvs - Red Cedar Juniper	33.02	
32 93 33 00-0382	EA	48" B&B Juniperus virginiana cvs - Red Cedar Juniper	51.51	
32 93 33 00-0383	EA	60" B&B Juniperus virginiana cvs - Red Cedar Juniper	64.71	
32 93 33 00-0384	EA	15" To 18" Kalmia latifolia - Mountain Laurel	27.10	
32 93 33 00-0385	EA	18" To 24" Kalmia latifolia - Mountain Laurel	36.11	
32 93 33 00-0386	EA	2' To 3' Kalmia latifolia - Mountain Laurel	52.64	
32 93 33 00-0387	EA	4' To 5' Kalmia latifolia - Mountain Laurel	96.26	
32 93 33 00-0388	EA	5' To 6' Kalmia latifolia - Mountain Laurel	147.48	
32 93 33 00-0389	EA	6' To 8' Kalmia latifolia - Mountain Laurel	225.73	
32 93 33 00-0390	EA	1 Gallon Kerria japonica - Kerria	6.03	
32 93 33 00-0391	EA	5 Gallon Kerria japonica - Kerria	18.87	
32 93 33 00-0392	EA	24" B&B Kolkwitzia amabilis & cvs - Beautybush	19.15	
32 93 33 00-0393	EA	30" B&B Kolkwitzia amabilis & cvs - Beautybush	21.79	
32 93 33 00-0394	EA	36" B&B Kolkwitzia amabilis & cvs - Beautybush	23.77	
32 93 33 00-0395	EA	42" B&B Kolkwitzia amabilis & cvs - Beautybush	27.73	
32 93 33 00-0396	EA	48" B&B Kolkwitzia amabilis & cvs - Beautybush	31.70	
32 93 33 00-0397	EA	60" B&B Kolkwitzia amabilis & cvs - Beautybush	39.62	
32 93 33 00-0398	EA	1 Gallon Lagerstroemia indica - Crepe Myrtle	4.54	
32 93 33 00-0399	EA	5 Gallon Lagerstroemia indica - Crepe Myrtle	16.17	
32 93 33 00-0400	EA	3' To 4' Lagerstroemia indica - Crepe Myrtle	22.56	
32 93 33 00-0401	EA	4' To 5' Lagerstroemia indica - Crepe Myrtle	33.13	



		Exterior Improvements	32
		Planting	32 90
		Plants	32 93

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 33 00-0402	EA	5'	To 6' Lagerstroemia indica - Crepe Myrtle	52.64	
32 93 33 00-0403	EA	7'	To 8' Lagerstroemia indica - Crepe Myrtle	68.35	
32 93 33 00-0404	EA	9'	To 10' Lagerstroemia indica - Crepe Myrtle	91.13	
32 93 33 00-0405	EA	11'	To 12' Lagerstroemia indica - Crepe Myrtle	189.85	
32 93 33 00-0406	EA	1	Gallon Leucothoe axillaris - Coast Leucothoe	6.81	
32 93 33 00-0407	EA	2	Gallon Leucothoe axillaris - Coast Leucothoe	14.90	
32 93 33 00-0408	EA	3	Gallon Leucothoe axillaris - Coast Leucothoe	17.95	
32 93 33 00-0409	EA	1	Gallon Ligustrum lucidum - Glossy Privet	4.19	
32 93 33 00-0410	EA	5	Gallon Ligustrum lucidum - Glossy Privet	12.84	
32 93 33 00-0411	EA	15	Gallon Ligustrum lucidum - Glossy Privet	60.16	
32 93 33 00-0412	EA	1	Gallon Ligustrum sinense - Variegated Chinese Privet	4.19	
32 93 33 00-0413	EA	2	Gallon Ligustrum sinense - Variegated Chinese Privet	9.01	
32 93 33 00-0414	EA	3	Gallon Ligustrum sinense - Variegated Chinese Privet	11.71	
32 93 33 00-0415	EA	36"	B&B Ligustrum vulgare & cvs - Common Privet	19.81	
32 93 33 00-0416	EA	48"	B&B Ligustrum vulgare & cvs - Common Privet	29.06	
32 93 33 00-0417	EA	60"	B&B Ligustrum vulgare & cvs - Common Privet	36.98	
32 93 33 00-0418	EA	72"	B&B Ligustrum vulgare & cvs - Common Privet	42.26	
32 93 33 00-0419	EA	5	Gallon Lindera benzoin - Spicebush	21.79	
32 93 33 00-0420	EA	36"	B&B Lindera benzoin - Spicebush	18.49	
32 93 33 00-0421	EA	48"	B&B Lindera benzoin - Spicebush	22.45	
32 93 33 00-0422	EA	2'	To 3' Lonicera fragrantissima - Winter Honeysuckle	36.11	
32 93 33 00-0423	EA	3'	To 4' Lonicera fragrantissima - Winter Honeysuckle	43.63	
32 93 33 00-0424	EA	30"	B&B Lonicera tatarica & cvs - Tatarian Honeysuckle	19.81	
32 93 33 00-0425	EA	36"	B&B Lonicera tatarica & cvs - Tatarian Honeysuckle	23.77	
32 93 33 00-0426	EA	42"	B&B Lonicera tatarica & cvs - Tatarian Honeysuckle	26.41	
32 93 33 00-0427	EA	48"	B&B Lonicera tatarica & cvs - Tatarian Honeysuckle	29.06	
32 93 33 00-0428	EA	1	Gallon Myrica cerifera - Wax Myrtle	3.80	
32 93 33 00-0429	EA	4	Gallon Myrica cerifera - Wax Myrtle	12.15	
32 93 33 00-0430	EA	7	Gallon Myrica cerifera - Wax Myrtle	26.58	
32 93 33 00-0431	EA	10	Gallon Myrica cerifera - Wax Myrtle	39.49	
32 93 33 00-0432	EA	15	Gallon Myrica cerifera - Wax Myrtle	60.75	
32 93 33 00-0433	EA	45	Gallon Myrica cerifera - Wax Myrtle	182.26	
32 93 33 00-0434	EA	1'	- 2' Myrica cerifera - Wax Myrtle	5.32	
32 93 33 00-0435	EA	3'	- 4' Myrica cerifera - Wax Myrtle	18.23	
32 93 33 00-0436	EA	5'	- 6' Myrica cerifera - Wax Myrtle	33.41	
32 93 33 00-0437	EA	7'	- 8' Myrica cerifera - Wax Myrtle	45.56	
32 93 33 00-0438	EA	9'	- 10' Myrica cerifera - Wax Myrtle	60.75	
32 93 33 00-0439	EA	11'	- 12' Myrica cerifera - Wax Myrtle	92.65	
32 93 33 00-0440	EA	3	Gallon Myrica pensylvanica - Northern Bayberry	19.81	
32 93 33 00-0441	EA	24"	B&B Myrica pensylvanica - Northern Bayberry	32.36	
32 93 33 00-0442	EA	30"	B&B Myrica pensylvanica - Northern Bayberry	47.54	
32 93 33 00-0443	EA	36"	B&B Myrica pensylvanica - Northern Bayberry	56.79	
32 93 33 00-0444	EA	48"	B&B Myrica pensylvanica - Northern Bayberry	59.43	
32 93 33 00-0445	EA	1	Gallon Myoporum laetum 'Carsonii' Multi - Coast Myoporum	4.67	
32 93 33 00-0446	EA	5	Gallon Myoporum laetum 'Carsonii' Multi - Coast Myoporum	11.54	
32 93 33 00-0447	EA	15	Gallon Myoporum laetum 'Carsonii' Multi - Coast Myoporum	45.81	
32 93 33 00-0448	EA	1	Gallon Nandina domestica - Heavenly Bamboo	6.81	
32 93 33 00-0449	EA	2	Gallon Nandina domestica - Heavenly Bamboo	14.90	
32 93 33 00-0450	EA	5	Gallon Nandina domestica - Heavenly Bamboo	22.56	
32 93 33 00-0451	EA	15	Gallon Nerium oleander - Oleander	50.13	
32 93 33 00-0452	EA	24"	Box Nerium oleander - Oleander	180.15	
32 93 33 00-0453	EA	1	Gallon Osmanthus fragrans - Fragrant Tea Olive	4.19	
32 93 33 00-0454	EA	3	Gallon Osmanthus fragrans - Fragrant Tea Olive	11.35	
32 93 33 00-0455	EA	1	Gallon Philadelphus - Evergreen Mockorange	5.82	
32 93 33 00-0456	EA	5	Gallon Philadelphus - Evergreen Mockorange	18.87	
32 93 33 00-0457	EA	36"	B&B Philadelphus x virginialis & cvs - Mockorange	19.81	
32 93 33 00-0458	EA	42"	B&B Philadelphus x virginialis & cvs - Mockorange	23.11	
32 93 33 00-0459	EA	48"	B&B Philadelphus x virginialis & cvs - Mockorange	26.41	
32 93 33 00-0460	EA	1	Gallon Photinia fraseri - Red-Tipped Photinia	4.67	
32 93 33 00-0461	EA	5	Gallon Photinia fraseri - Red-Tipped Photinia	11.54	
32 93 33 00-0462	EA	15	Gallon Photinia fraseri - Red-Tipped Photinia	45.81	
32 93 33 00-0463	EA	1	Gallon Phormium tenax - New Zealand Flax	4.92	
32 93 33 00-0464	EA	5	Gallon Phormium tenax - New Zealand Flax	11.79	
32 93 33 00-0465	EA	15	Gallon Phormium tenax - New Zealand Flax	50.13	
32 93 33 00-0466	EA	24"	B&B Physocarpus opulifolius 'Nana' - Dwarf Common Ninebark	19.81	
32 93 33 00-0467	EA	30"	B&B Physocarpus opulifolius 'Nana' - Dwarf Common Ninebark	23.11	
32 93 33 00-0468	EA	36"	B&B Physocarpus opulifolius 'Nana' - Dwarf Common Ninebark	26.41	
32 93 33 00-0469	EA	42"	B&B Physocarpus opulifolius 'Nana' - Dwarf Common Ninebark	33.02	
32 93 33 00-0470	EA	48"	B&B Physocarpus opulifolius 'Nana' - Dwarf Common Ninebark	39.62	
32 93 33 00-0471	EA	12'	To 15' Spread Pieris - Mountain Andromeda	18.23	
32 93 33 00-0472	EA	15'	To 18' Spread Pieris - Mountain Andromeda	39.09	
32 93 33 00-0473	EA	12'	To 15' Pieris japonica - Japanese Andromeda	23.69	
32 93 33 00-0474	EA	15'	To 18' Pieris japonica - Japanese Andromeda	27.10	
32 93 33 00-0475	EA	18'	To 24' Pieris japonica - Japanese Andromeda	33.91	
32 93 33 00-0476	EA	2'	To 2-1/2' Pieris japonica - Japanese Andromeda	48.17	
32 93 33 00-0477	EA	2-1/2'	To 3' Pieris japonica - Japanese Andromeda	57.18	
32 93 33 00-0478	EA	24"	B&B Pinus mugo & cvs - Mugo Pine	33.02	
32 93 33 00-0479	EA	30"	B&B Pinus mugo & cvs - Mugo Pine	42.26	
32 93 33 00-0480	EA	36"	B&B Pinus mugo & cvs - Mugo Pine	50.85	
32 93 33 00-0481	EA	48"	B&B Pinus mugo & cvs - Mugo Pine	65.37	
32 93 33 00-0482	EA	60"	B&B Pinus mugo & cvs - Mugo Pine	78.58	

32 Exterior Improvements**32 90 Planting****32 93 Plants**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

32 93 33 00-0483	EA	72" B&B Pinus mugo & cvs - Mugo Pine.....	114.90	
32 93 33 00-0484	EA	30" B&B Pinus mugo compacta - Dwarf Mugo Pine	71.32	
32 93 33 00-0485	EA	36" B&B Pinus mugo compacta - Dwarf Mugo Pine	85.85	
32 93 33 00-0486	EA	48" B&B Pinus mugo compacta - Dwarf Mugo Pine	114.24	
32 93 33 00-0487	EA	1 Gallon Pittosporum - Pittosporum	2.51	
32 93 33 00-0488	EA	3 Gallon Pittosporum - Pittosporum	6.45	
32 93 33 00-0489	EA	1 Gallon Pittosporum - Varigated Pittosporum	2.51	
32 93 33 00-0490	EA	3 Gallon Pittosporum - Varigated Pittosporum	6.45	
32 93 33 00-0491	EA	5 Gallon Pittosporum - Varigated Pittosporum	11.32	
32 93 33 00-0492	EA	1 Gallon Pittosporum eugenioides - Lemonwood	5.36	
32 93 33 00-0493	EA	5 Gallon Pittosporum eugenioides - Lemonwood	12.70	
32 93 33 00-0494	EA	1 Gallon Pittosporum tobira - Japanese Pittosporum	4.67	
32 93 33 00-0495	EA	5 Gallon Pittosporum tobira - Japanese Pittosporum	11.54	
32 93 33 00-0496	EA	15 Gallon Pittosporum tobira - Japanese Pittosporum	45.81	
32 93 33 00-0497	EA	2 Gallon Potentilla fruticosa & cvs - Bush Cinquefoil	11.23	
32 93 33 00-0498	EA	5 Gallon Potentilla fruticosa & cvs - Bush Cinquefoil	15.85	
32 93 33 00-0499	EA	18" B&B Potentilla fruticosa & cvs - Bush Cinquefoil	11.89	
32 93 33 00-0500	EA	24" B&B Potentilla fruticosa & cvs - Bush Cinquefoil	13.21	
32 93 33 00-0501	EA	30" B&B Potentilla fruticosa & cvs - Bush Cinquefoil	19.15	
32 93 33 00-0502	EA	36" B&B Potentilla fruticosa & cvs - Bush Cinquefoil	22.12	
32 93 33 00-0503	EA	1 Gallon Prunus caroliniana - Carolina Cherry Laurel.....	4.54	
32 93 33 00-0504	EA	3 Gallon Prunus caroliniana - Carolina Cherry Laurel.....	11.35	
32 93 33 00-0505	EA	15 Gallon Prunus caroliniana - Carolina Cherry Laurel.....	67.68	
32 93 33 00-0506	EA	15" To 18" Prunus laurocerasus - Cherry Laurel.....	17.31	
32 93 33 00-0507	EA	18" To 24" Prunus laurocerasus - Cherry Laurel.....	21.42	
32 93 33 00-0508	EA	24" To 30" Prunus laurocerasus - Cherry Laurel.....	27.88	
32 93 33 00-0509	EA	15" To 18" Prunus triloba - Double White Flowering Almond	15.46	
32 93 33 00-0510	EA	18" To 24" Prunus triloba - Double White Flowering Almond	19.79	
32 93 33 00-0511	EA	3' To 4' Prunus triloba - Double White Flowering Almond	31.57	
32 93 33 00-0512	EA	4' To 6' Prunus triloba - Double White Flowering Almond	63.21	
32 93 33 00-0513	EA	5 Gallon Prunus triloba - Pink Flowering Almond	19.01	
32 93 33 00-0514	EA	18" To 24" Prunus triloba - Pink Flowering Almond	21.35	
32 93 33 00-0515	EA	2' To 3' Prunus triloba - Pink Flowering Almond.....	24.83	
32 93 33 00-0516	EA	2' To 3' Prunus virginiana - Brilliant Chokeberry	16.88	
32 93 33 00-0517	EA	3' To 4' Prunus virginiana - Brilliant Chokeberry	20.71	
32 93 33 00-0518	EA	4' To 5' Prunus virginiana - Brilliant Chokeberry	24.83	
32 93 33 00-0519	EA	5' To 6' Prunus virginiana - Brilliant Chokeberry	28.45	
32 93 33 00-0520	EA	1 Gallon Punica granatum - Dwarf Pomegranate	4.47	
32 93 33 00-0521	EA	3 Gallon Punica granatum - Dwarf Pomegranate	13.20	
32 93 33 00-0522	EA	7 Gallon Punica granatum - Dwarf Pomegranate	27.10	
32 93 33 00-0523	EA	1 Gallon Pyracantha koidzumi "Santa Cruz" - Pyracantha.....	5.68	
32 93 33 00-0524	EA	5 Gallon Pyracantha koidzumi "Santa Cruz" - Pyracantha.....	18.87	
32 93 33 00-0525	EA	5 Gallon Espalier Pyracantha koidzumi "Santa Cruz" - Pyracantha.....	39.09	
32 93 33 00-0526	EA	1 Gallon Ralphialepis indica - Indian Hawthorne	4.54	
32 93 33 00-0527	EA	2 Gallon Ralphialepis indica - Indian Hawthorne	8.65	
32 93 33 00-0528	EA	5 Gallon Ralphialepis indica - Indian Hawthorne	15.39	
32 93 33 00-0529	EA	1 Gallon Rhamnus californica - Coffeeberry	6.90	
32 93 33 00-0530	EA	5 Gallon Rhamnus californica - Coffeeberry	19.73	
32 93 33 00-0531	EA	15 Gallon Rhamnus californica - Coffeeberry	59.22	
32 93 33 00-0532	EA	4' To 5' Rhamnus frangula "Columnaris" - Tallhedge.....	34.62	
32 93 33 00-0533	EA	5' To 6' Rhamnus frangula "Columnaris" - Tallhedge.....	47.46	
32 93 33 00-0534	EA	6' To 8' Rhamnus frangula "Columnaris" - Tallhedge.....	61.72	
32 93 33 00-0535	EA	10' To 12' Rhamnus frangula "Columnaris" - Tallhedge.....	112.86	
32 93 33 00-0536	EA	1 Gallon Ralphialepis indica "Ballerina" - Ballerina Indian Hawthorn	4.97	
32 93 33 00-0537	EA	5 Gallon Ralphialepis indica "Ballerina" - Ballerina Indian Hawthorn	11.79	
32 93 33 00-0538	EA	15 Gallon Ralphialepis indica "Ballerina" - Ballerina Indian Hawthorn	50.13	
32 93 33 00-0539	EA	1 Gallon Rhododendron - Azalea Evergreen Hybrids	7.38	
32 93 33 00-0540	EA	2 Gallon Rhododendron - Azalea Evergreen Hybrids	14.90	
32 93 33 00-0541	EA	3 Gallon Rhododendron - Azalea Evergreen Hybrids	19.44	
32 93 33 00-0542	EA	5 Gallon Rhododendron - Azalea Evergreen Hybrids	22.56	
32 93 33 00-0543	EA	15" To 18" Rhododendron - Azalea Evergreen Hybrids	26.39	
32 93 33 00-0544	EA	18" To 24" Rhododendron - Azalea Evergreen Hybrids	33.13	
32 93 33 00-0545	EA	2' To 2-1/2' Rhododendron - Azalea Evergreen Hybrids	48.17	
32 93 33 00-0546	EA	2-1/2' To 3' Rhododendron - Azalea Evergreen Hybrids	67.68	
32 93 33 00-0547	EA	1 Gallon Rhododendron - Azalea Exbury, Knapp Hill And Llam Hybrids	8.30	
32 93 33 00-0548	EA	2 Gallon Rhododendron - Azalea Exbury, Knapp Hill And Llam Hybrids	14.90	
32 93 33 00-0549	EA	15" To 18" Rhododendron - Azalea Exbury, Knapp Hill And Llam Hybrids	25.61	
32 93 33 00-0550	EA	18" To 24" Rhododendron - Azalea Exbury, Knapp Hill And Llam Hybrids	33.13	
32 93 33 00-0551	EA	2' To 3' Rhododendron - Azalea Exbury, Knapp Hill And Llam Hybrids	48.17	
32 93 33 00-0552	EA	3' To 4' Rhododendron - Azalea Exbury, Knapp Hill And Llam Hybrids.....	70.73	
32 93 33 00-0553	EA	4' To 5' Rhododendron - Azalea Exbury, Knapp Hill And Llam Hybrids.....	94.78	
32 93 33 00-0554	EA	5 Gallon Rhododendron - Boxleaf Azara	18.87	
32 93 33 00-0555	EA	15 Gallon Rhododendron - Boxleaf Azara	67.68	
32 93 33 00-0556	EA	15" To 18" Rhododendron - Carolina Rhododendron	21.35	
32 93 33 00-0557	EA	18" To 24" Rhododendron - Carolina Rhododendron	37.60	
32 93 33 00-0558	EA	24" To 30" Rhododendron - Carolina Rhododendron	55.69	
32 93 33 00-0559	EA	2' To 3' Rhododendron - Five-leafed Azalea.....	25.33	
32 93 33 00-0560	EA	3' To 4' Rhododendron - Five-leafed Azalea.....	33.13	
32 93 33 00-0561	EA	4' To 5' Rhododendron - Five-leafed Azalea.....	43.63	
32 93 33 00-0562	EA	15" To 18" Rhododendron - Ghent Azalea.....	25.33	
32 93 33 00-0563	EA	18" To 24" Rhododendron - Ghent Azalea.....	31.57	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 33 00-0564	EA	2'	To 3' Rhododendron - Ghent Azalea.....	51.15	
32 93 33 00-0565	EA	3'	To 4' Rhododendron - Ghent Azalea.....	70.73	
32 93 33 00-0566	EA	4'	To 5' Rhododendron - Ghent Azalea.....	94.78	
32 93 33 00-0567	EA	5'	To 6' Rhododendron - Ghent Azalea.....	126.41	
32 93 33 00-0568	EA	1	Gallon Rhododendron - Hybrid Rhododendron.....	8.30	
32 93 33 00-0569	EA	2	Gallon Rhododendron - Hybrid Rhododendron.....	17.95	
32 93 33 00-0570	EA	3	Gallon Rhododendron - Hybrid Rhododendron.....	25.47	
32 93 33 00-0571	EA	5	Gallon Rhododendron - Hybrid Rhododendron.....	28.45	
32 93 33 00-0572	EA	15"	To 18" Rhododendron - Hybrid Rhododendron.....	24.05	
32 93 33 00-0573	EA	18"	To 24" Rhododendron - Hybrid Rhododendron.....	33.13	
32 93 33 00-0574	EA	24"	To 30" Rhododendron - Hybrid Rhododendron.....	45.12	
32 93 33 00-0575	EA	30"	To 36" Rhododendron - Hybrid Rhododendron.....	52.64	
32 93 33 00-0576	EA	36"	To 42" Rhododendron - Hybrid Rhododendron.....	75.27	
32 93 33 00-0577	EA	42"	To 48" Rhododendron - Hybrid Rhododendron.....	93.29	
32 93 33 00-0578	EA	15"	To 18" Rhododendron - Pjm Rhododendron.....	27.10	
32 93 33 00-0579	EA	18"	To 24" Rhododendron - Pjm Rhododendron.....	33.13	
32 93 33 00-0580	EA	2'	To 2-1/2' Rhododendron - Pjm Rhododendron.....	48.17	
32 93 33 00-0581	EA	2-1/2'	To 3' Rhododendron - Pjm Rhododendron.....	61.72	
32 93 33 00-0582	EA	3'	To 3-1/2' Rhododendron - Pjm Rhododendron.....	75.27	
32 93 33 00-0583	EA	12"	To 15" Rhododendron - Torch Azalea.....	21.07	
32 93 33 00-0584	EA	15"	To 18" Rhododendron - Torch Azalea.....	25.33	
32 93 33 00-0585	EA	18"	To 24" Rhododendron - Torch Azalea.....	31.57	
32 93 33 00-0586	EA	2'	To 3' Rhododendron - Torch Azalea.....	52.64	
32 93 33 00-0587	EA	3	Gallon Rhododendron cvs - Lepidote Rhododendron.....	23.77	
32 93 33 00-0588	EA	5	Gallon Rhododendron cvs - Lepidote Rhododendron.....	29.06	
32 93 33 00-0589	EA	18"	B&B Rhododendron cvs - Lepidote Rhododendron.....	35.66	
32 93 33 00-0590	EA	24"	B&B Rhododendron cvs - Lepidote Rhododendron.....	44.90	
32 93 33 00-0591	EA	30"	B&B Rhododendron cvs - Lepidote Rhododendron.....	52.83	
32 93 33 00-0592	EA	36"	B&B Rhododendron cvs - Lepidote Rhododendron.....	63.39	
32 93 33 00-0593	EA	1	Gallon Rhus glabra - Dwarf Smooth Sumac.....	6.81	
32 93 33 00-0594	EA	5	Gallon Rhus glabra - Dwarf Smooth Sumac.....	18.87	
32 93 33 00-0595	EA	2	Gallon Rhus aromatica & cvs - Fragrant Sumac.....	15.85	
32 93 33 00-0596	EA	5	Gallon Rhus aromatica & cvs - Fragrant Sumac.....	21.79	
32 93 33 00-0597	EA	18"	B&B Rhus aromatica & cvs - Fragrant Sumac.....	25.09	
32 93 33 00-0598	EA	24"	B&B Rhus aromatica & cvs - Fragrant Sumac.....	33.02	
32 93 33 00-0599	EA	36"	B&B Rhus glabra - Smooth Sumac.....	19.81	
32 93 33 00-0600	EA	48"	B&B Rhus typhina & cvs - Staghorn Sumac.....	33.02	
32 93 33 00-0601	EA	72"	B&B Rhus typhina & cvs - Staghorn Sumac.....	52.83	
32 93 33 00-0602	EA	15"	B&B Ribes alpinum & cvs - Alpine Currant.....	17.83	
32 93 33 00-0603	EA	18"	B&B Ribes alpinum & cvs - Alpine Currant.....	20.47	
32 93 33 00-0604	EA	24"	B&B Ribes alpinum & cvs - Alpine Currant.....	29.72	
32 93 33 00-0605	EA	30"	B&B Ribes alpinum & cvs - Alpine Currant.....	39.62	
32 93 33 00-0606	EA	1	Gallon Rosa hybrids & cvs - Shrub Rose.....	10.90	
32 93 33 00-0607	EA	2	Gallon Rosa hybrids & cvs - Shrub Rose.....	13.21	
32 93 33 00-0608	EA	3	Gallon Rosa hybrids & cvs - Shrub Rose.....	16.51	
32 93 33 00-0609	EA	2	Gallon Rosa rugosa & cvs - Rugosa Rose.....	11.89	
32 93 33 00-0610	EA	3	Gallon Rosa rugosa & cvs - Rugosa Rose.....	15.19	
32 93 33 00-0611	EA	5	Gallon Sambucus canadensis - American Elder.....	21.79	
32 93 33 00-0612	EA	1	Gallon Santolina chamaecyparissus - Lavender Cotton.....	4.67	
32 93 33 00-0613	EA	5	Gallon Santolina chamaecyparissus - Lavender Cotton.....	11.54	
32 93 33 00-0614	EA	1	Gallon Santolina rosmarinifolia - Green Lavender Cotton.....	4.67	
32 93 33 00-0615	EA	5	Gallon Santolina rosmarinifolia - Green Lavender Cotton.....	11.54	
32 93 33 00-0616	EA	2	Gallon Sarcococca hookeriana humilis - Himalayan Sarcococca.....	9.79	
32 93 33 00-0617	EA	3	Gallon Sarcococca hookeriana humilis - Himalayan Sarcococca.....	14.33	
32 93 33 00-0618	EA	1	Gallon Sarcococca humilis - Fragrant Sarcococca.....	5.32	
32 93 33 00-0619	EA	5	Gallon Sarcococca humilis - Fragrant Sarcococca.....	13.90	
32 93 33 00-0620	EA	5	Gallon Senna artemisioides - Feathery Cassia.....	12.89	
32 93 33 00-0621	EA	15	Gallon Senna artemisioides - Feathery Cassia.....	51.29	
32 93 33 00-0622	EA	24"	Box Senna artemisioides - Feathery Cassia.....	161.13	
32 93 33 00-0623	EA	1	Gallon Skimmia japonica - Japanese Skimmia.....	6.81	
32 93 33 00-0624	EA	2	Gallon Skimmia japonica - Japanese Skimmia.....	13.55	
32 93 33 00-0625	EA	5	Gallon Skimmia japonica - Japanese Skimmia.....	21.85	
32 93 33 00-0626	EA	1	Gallon Sollya fusiformis - Bluebell Creeper.....	4.67	
32 93 33 00-0627	EA	5	Gallon Sollya fusiformis - Bluebell Creeper.....	11.54	
32 93 33 00-0628	EA	3'	To 4' Spiraea - Garland Spiraea.....	31.57	
32 93 33 00-0629	EA	4'	To 5' Spiraea - Garland Spiraea.....	48.17	
32 93 33 00-0630	EA	5	Gallon Spiraea - Snowmound Spiraea.....	18.87	
32 93 33 00-0631	EA	18"	To 24" Spiraea - Snowmound Spiraea.....	15.46	
32 93 33 00-0632	EA	2'	To 3' Spiraea - Snowmound Spiraea.....	21.85	
32 93 33 00-0633	EA	3'	To 4' Spiraea - Snowmound Spiraea.....	25.33	
32 93 33 00-0634	EA	4'	To 5' Spiraea - Snowmound Spiraea.....	43.63	
32 93 33 00-0635	EA	1	Gallon Spiraea japonica & cvs - Japanese Spiraea.....	6.81	
32 93 33 00-0636	EA	2	Gallon Spiraea japonica & cvs - Japanese Spiraea.....	13.41	
32 93 33 00-0637	EA	3	Gallon Spiraea japonica & cvs - Japanese Spiraea.....	15.52	
32 93 33 00-0638	EA	5	Gallon Spiraea japonica & cvs - Japanese Spiraea.....	16.84	
32 93 33 00-0639	EA	18"	B&B Spiraea japonica & cvs - Japanese Spiraea.....	17.17	
32 93 33 00-0640	EA	24"	B&B Spiraea japonica & cvs - Japanese Spiraea.....	19.81	
32 93 33 00-0641	EA	30"	B&B Spiraea japonica & cvs - Japanese Spiraea.....	22.45	
32 93 33 00-0642	EA	36"	B&B Spiraea japonica & cvs - Japanese Spiraea.....	26.08	
32 93 33 00-0643	EA	2	Gallon Spiraea nipponica & cvs - Nippon Spiraea.....	10.57	
32 93 33 00-0644	EA	5	Gallon Spiraea nipponica & cvs - Nippon Spiraea.....	15.85	

32 Exterior Improvements**32 90 Planting****32 93 Plants**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

32 93 33 00-0645	EA	18" B&B Spiraea nipponica & cvs - Nippon Spiraea	14.53
32 93 33 00-0646	EA	24" B&B Spiraea nipponica & cvs - Nippon Spiraea	17.17
32 93 33 00-0647	EA	30" B&B Spiraea nipponica & cvs - Nippon Spiraea	19.81
32 93 33 00-0648	EA	36" B&B Spiraea nipponica & cvs - Nippon Spiraea	22.45
32 93 33 00-0649	EA	48" B&B Spiraea nipponica & cvs - Nippon Spiraea	29.06
32 93 33 00-0650	EA	1 Gallon Spiraea x bumalda & cvs - Bumalda Spirea	6.81
32 93 33 00-0651	EA	2 Gallon Spiraea x bumalda & cvs - Bumalda Spirea	12.22
32 93 33 00-0652	EA	4 Gallon Spiraea x bumalda & cvs - Bumalda Spirea	15.85
32 93 33 00-0653	EA	18" B&B Spiraea x bumalda & cvs - Bumalda Spirea	13.87
32 93 33 00-0654	EA	24" B&B Spiraea x bumalda & cvs - Bumalda Spirea	16.84
32 93 33 00-0655	EA	30" B&B Spiraea x bumalda & cvs - Bumalda Spirea	19.81
32 93 33 00-0656	EA	36" B&B Spiraea x bumalda & cvs - Bumalda Spirea	22.45
32 93 33 00-0657	EA	5 Gallon Spiraea x vanhouttei & cvs - Vanhoutte Spirea	15.85
32 93 33 00-0658	EA	18" B&B Spiraea x vanhouttei & cvs - Vanhoutte Spirea	15.85
32 93 33 00-0659	EA	24" B&B Spiraea x vanhouttei & cvs - Vanhoutte Spirea	18.49
32 93 33 00-0660	EA	30" B&B Spiraea x vanhouttei & cvs - Vanhoutte Spirea	25.09
32 93 33 00-0661	EA	36" B&B Spiraea x vanhouttei & cvs - Vanhoutte Spirea	29.06
32 93 33 00-0662	EA	42" B&B Spiraea x vanhouttei & cvs - Vanhoutte Spirea	34.34
32 93 33 00-0663	EA	5 Gallon Staphylea trifolia - Bladdernut	22.29
32 93 33 00-0664	EA	2 Gallon Stephanandra incisa & cvs - Cutleaf Stephanadra	15.85
32 93 33 00-0665	EA	5 Gallon Stephanandra incisa & cvs - Cutleaf Stephanadra	17.17
32 93 33 00-0666	EA	24" B&B Stephanandra incisa & cvs - Cutleaf Stephanadra	19.81
32 93 33 00-0667	EA	30" B&B Stephanandra incisa & cvs - Cutleaf Stephanadra	23.77
32 93 33 00-0668	EA	2 Gallon Symphoricarpos albus - Common Snowberry	16.51
32 93 33 00-0669	EA	5 Gallon Symphoricarpos albus - Common Snowberry	17.50
32 93 33 00-0670	EA	24" B&B Syringa meyeri & cvs - Meyer Lilac	29.06
32 93 33 00-0671	EA	30" B&B Syringa meyeri & cvs - Meyer Lilac	36.32
32 93 33 00-0672	EA	36" B&B Syringa meyeri & cvs - Meyer Lilac	42.26
32 93 33 00-0673	EA	42" B&B Syringa meyeri & cvs - Meyer Lilac	48.87
32 93 33 00-0674	EA	18" B&B Syringa patula 'Miss Kim' - Miss Kim Lilac	29.06
32 93 33 00-0675	EA	24" B&B Syringa patula 'Miss Kim' - Miss Kim Lilac	31.70
32 93 33 00-0676	EA	30" B&B Syringa patula 'Miss Kim' - Miss Kim Lilac	36.32
32 93 33 00-0677	EA	36" B&B Syringa patula 'Miss Kim' - Miss Kim Lilac	42.26
32 93 33 00-0678	EA	42" B&B Syringa patula 'Miss Kim' - Miss Kim Lilac	48.87
32 93 33 00-0679	EA	60" B&B Syringa villosa & cvs - Late Lilac	23.11
32 93 33 00-0680	EA	72" B&B Syringa villosa & cvs - Late Lilac	25.09
32 93 33 00-0681	EA	36" B&B Syringa vulgaris & cvs - Common Lilac	19.81
32 93 33 00-0682	EA	42" B&B Syringa vulgaris & cvs - Common Lilac	22.45
32 93 33 00-0683	EA	48" B&B Syringa vulgaris & cvs - Common Lilac	25.09
32 93 33 00-0684	EA	60" B&B Syringa vulgaris & cvs - Common Lilac	29.06
32 93 33 00-0685	EA	72" B&B Syringa vulgaris & cvs - Common Lilac	35.66
32 93 33 00-0686	EA	5 Gallon Syringa x chinensis & cvs - Chinese Lilac	16.51
32 93 33 00-0687	EA	36" B&B Syringa x hyacinthiflora & cvs - Hybrid Lilac	19.15
32 93 33 00-0688	EA	48" B&B Syringa x hyacinthiflora & cvs - Hybrid Lilac	25.09
32 93 33 00-0689	EA	48" B&B Taxus cuspidata capitata - Capitata Japanese Yew	105.00
32 93 33 00-0690	EA	54" B&B Taxus cuspidata capitata - Capitata Japanese Yew	117.54
32 93 33 00-0691	EA	60" B&B Taxus cuspidata capitata - Capitata Japanese Yew	129.43
32 93 33 00-0692	EA	72" B&B Taxus cuspidata capitata - Capitata Japanese Yew	155.84
32 93 33 00-0693	EA	18" B&B Taxus cuspidata cvs - Dwarf & Spreading Japanese Yew	27.73
32 93 33 00-0694	EA	24" B&B Taxus cuspidata cvs - Dwarf & Spreading Japanese Yew	36.32
32 93 33 00-0695	EA	30" B&B Taxus cuspidata cvs - Dwarf & Spreading Japanese Yew	42.26
32 93 33 00-0696	EA	36" B&B Taxus cuspidata cvs - Dwarf & Spreading Japanese Yew	46.22
32 93 33 00-0697	EA	15" B&B Taxus x media & cvs - Anglojap Yew	27.73
32 93 33 00-0698	EA	18" B&B Taxus x media & cvs - Anglojap Yew	36.32
32 93 33 00-0699	EA	24" B&B Taxus x media & cvs - Anglojap Yew	42.92
32 93 33 00-0700	EA	30" B&B Taxus x media & cvs - Anglojap Yew	50.85
32 93 33 00-0701	EA	36" B&B Taxus x media & cvs - Anglojap Yew	76.60
32 93 33 00-0702	EA	36" B&B Thuja occidentalis & cvs - Upright Arborvitae	42.26
32 93 33 00-0703	EA	48" B&B Thuja occidentalis & cvs - Upright Arborvitae	56.79
32 93 33 00-0704	EA	60" B&B Thuja occidentalis & cvs - Upright Arborvitae	85.85
32 93 33 00-0705	EA	72" B&B Thuja occidentalis & cvs - Upright Arborvitae	125.47
32 93 33 00-0706	EA	84" B&B Thuja occidentalis & cvs - Upright Arborvitae	143.96
32 93 33 00-0707	EA	96" B&B Thuja occidentalis & cvs - Upright Arborvitae	167.07
32 93 33 00-0708	EA	15" B&B Thuja occidentalis cvs - Dwarf Arborvitae	18.49
32 93 33 00-0709	EA	18" B&B Thuja occidentalis cvs - Dwarf Arborvitae	25.75
32 93 33 00-0710	EA	24" B&B Thuja occidentalis cvs - Dwarf Arborvitae	36.32
32 93 33 00-0711	EA	3' To 4' Viburnum dilatatum - Linden Viburnum	31.57
32 93 33 00-0712	EA	4' To 5' Viburnum dilatatum - Linden Viburnum	48.17
32 93 33 00-0713	EA	5' To 6' Viburnum dilatatum - Linden Viburnum	63.21
32 93 33 00-0714	EA	1 Gallon Viburnum japonicum - Japanese Viburnum	3.83
32 93 33 00-0715	EA	3 Gallon Viburnum japonicum - Japanese Viburnum	10.50
32 93 33 00-0716	EA	5 Gallon Viburnum plicatum - Japanese Snowball	18.87
32 93 33 00-0717	EA	5' To 6' Viburnum plicatum - Japanese Snowball	70.73
32 93 33 00-0718	EA	2' To 3' Viburnum rhytidophyllum - Leatherleaf Viburnum	33.13
32 93 33 00-0719	EA	3' To 4' Viburnum rhytidophyllum - Leatherleaf Viburnum	39.09
32 93 33 00-0720	EA	4' To 5' Viburnum rhytidophyllum - Leatherleaf Viburnum	54.98
32 93 33 00-0721	EA	30" B&B Viburnum burkwoodii & cvs - Burkwood Viburnum	36.32
32 93 33 00-0722	EA	36" B&B Viburnum burkwoodii & cvs - Burkwood Viburnum	43.58
32 93 33 00-0723	EA	24" B&B Viburnum carlesii & cvs - Korean Spice Viburnum	33.02
32 93 33 00-0724	EA	30" B&B Viburnum carlesii & cvs - Korean Spice Viburnum	39.62
32 93 33 00-0725	EA	36" B&B Viburnum carlesii & cvs - Korean Spice Viburnum	46.22



Exterior Improvements 32

Planting 32 90

Plants 32 93

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MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 33 00-0726	EA		42" B&B Viburnum carlesii & cvs - Korean Spice Viburnum	52.83	
32 93 33 00-0727	EA		1 Gallon Viburnum davidii - David Viburnum	4.67	
32 93 33 00-0728	EA		5 Gallon Viburnum davidii - David Viburnum	11.54	
32 93 33 00-0729	EA		36" B&B Viburnum dentatum & cvs - Arrowwood Viburnum	18.49	
32 93 33 00-0730	EA		42" B&B Viburnum dentatum & cvs - Arrowwood Viburnum	19.81	
32 93 33 00-0731	EA		48" B&B Viburnum dentatum & cvs - Arrowwood Viburnum	23.11	
32 93 33 00-0732	EA		60" B&B Viburnum dentatum & cvs - Arrowwood Viburnum	26.41	
32 93 33 00-0733	EA		72" B&B Viburnum dentatum & cvs - Arrowwood Viburnum	29.06	
32 93 33 00-0734	EA		30" B&B Viburnum lantana & cvs - Wayfaringtree Viburnum	17.83	
32 93 33 00-0735	EA		36" B&B Viburnum lantana & cvs - Wayfaringtree Viburnum	19.81	
32 93 33 00-0736	EA		42" B&B Viburnum lantana & cvs - Wayfaringtree Viburnum	25.09	
32 93 33 00-0737	EA		48" B&B Viburnum lantana & cvs - Wayfaringtree Viburnum	29.06	
32 93 33 00-0738	EA		60" B&B Viburnum lantana & cvs - Wayfaringtree Viburnum	39.62	
32 93 33 00-0739	EA		72" B&B Viburnum lantana & cvs - Wayfaringtree Viburnum	47.54	
32 93 33 00-0740	EA		36" B&B Viburnum lentago & cvs - Nannyberry Viburnum	19.81	
32 93 33 00-0741	EA		48" B&B Viburnum lentago & cvs - Nannyberry Viburnum	26.41	
32 93 33 00-0742	EA		5' B&B Viburnum lentago & cvs - Nannyberry Viburnum	33.02	
32 93 33 00-0743	EA		6' B&B Viburnum lentago & cvs - Nannyberry Viburnum	46.22	
32 93 33 00-0744	EA		7' B&B Viburnum lentago & cvs - Nannyberry Viburnum	66.03	
32 93 33 00-0745	EA		8' B&B Viburnum lentago & cvs - Nannyberry Viburnum	92.45	
32 93 33 00-0746	EA		9' B&B Viburnum lentago & cvs - Nannyberry Viburnum	118.86	
32 93 33 00-0747	EA		30" B&B Viburnum plicatum tomentosum & cvs - Doublefile Viburnum	23.77	
32 93 33 00-0748	EA		36" B&B Viburnum plicatum tomentosum & cvs - Doublefile Viburnum	26.41	
32 93 33 00-0749	EA		36" B&B Viburnum prunifolium & cvs - Blackhaw Viburnum	47.54	
32 93 33 00-0750	EA		48" B&B Viburnum prunifolium & cvs - Blackhaw Viburnum	72.64	
32 93 33 00-0751	EA		60" B&B Viburnum prunifolium & cvs - Blackhaw Viburnum	92.45	
32 93 33 00-0752	EA		72" B&B Viburnum prunifolium & cvs - Blackhaw Viburnum	112.26	
32 93 33 00-0753	EA		84" B&B Viburnum prunifolium & cvs - Blackhaw Viburnum	138.67	
32 93 33 00-0754	EA		96" B&B Viburnum prunifolium & cvs - Blackhaw Viburnum	165.09	
32 93 33 00-0755	EA		108" B&B Viburnum prunifolium & cvs - Blackhaw Viburnum	198.10	
32 93 33 00-0756	EA		120" B&B Viburnum prunifolium & cvs - Blackhaw Viburnum	231.12	
32 93 33 00-0757	EA		30" B&B Viburnum sargentii & cvs - Sargent Viburnum	20.14	
32 93 33 00-0758	EA		36" B&B Viburnum sargentii & cvs - Sargent Viburnum	22.12	
32 93 33 00-0759	EA		48" B&B Viburnum sargentii & cvs - Sargent Viburnum	25.09	
32 93 33 00-0760	EA		60" B&B Viburnum sargentii & cvs - Sargent Viburnum	29.06	
32 93 33 00-0761	EA		72" B&B Viburnum sargentii & cvs - Sargent Viburnum	33.35	
32 93 33 00-0762	EA		18" B&B Viburnum trilobum & cvs - American Cranberry Viburnum	19.15	
32 93 33 00-0763	EA		24" B&B Viburnum trilobum & cvs - American Cranberry Viburnum	23.11	
32 93 33 00-0764	EA		30" B&B Viburnum trilobum & cvs - American Cranberry Viburnum	27.73	
32 93 33 00-0765	EA		36" B&B Viburnum trilobum & cvs - American Cranberry Viburnum	31.70	
32 93 33 00-0766	EA		42" B&B Viburnum trilobum & cvs - American Cranberry Viburnum	38.30	
32 93 33 00-0767	EA		48" B&B Viburnum trilobum & cvs - American Cranberry Viburnum	42.26	
32 93 33 00-0768	EA		30" B&B Viburnum x carlcephalum & cvs - Fragrant Viburnum	33.02	
32 93 33 00-0769	EA		36" B&B Viburnum x carlcephalum & cvs - Fragrant Viburnum	39.62	
32 93 33 00-0770	EA		42" B&B Viburnum x carlcephalum & cvs - Fragrant Viburnum	46.22	
32 93 33 00-0771	EA		48" B&B Viburnum x carlcephalum & cvs - Fragrant Viburnum	52.83	
32 93 33 00-0772	EA		60" B&B Viburnum x carlcephalum & cvs - Fragrant Viburnum	59.43	
32 93 33 00-0773	EA		30" B&B Viburnum x juddii & cvs - Judd Viburnum	42.26	
32 93 33 00-0774	EA		36" B&B Viburnum x juddii & cvs - Judd Viburnum	47.54	
32 93 33 00-0775	EA		42" B&B Viburnum x juddii & cvs - Judd Viburnum	54.15	
32 93 33 00-0776	EA		48" B&B Viburnum x juddii & cvs - Judd Viburnum	62.07	
32 93 33 00-0777	EA		2' To 3' Viburnum opulus "Roseum" - Fragrant Snowball	39.09	
32 93 33 00-0778	EA		3' To 4' Viburnum opulus "Roseum" - Fragrant Snowball	48.17	
32 93 33 00-0779	EA		4' To 5' Viburnum opulus "Roseum" - Fragrant Snowball	70.73	
32 93 33 00-0780	EA		5 Gallon Weigela florida & cvs - Old Fashioned Weigela	21.79	
32 93 33 00-0781	EA		24" B&B Weigela florida & cvs - Old Fashioned Weigela	19.81	
32 93 33 00-0782	EA		30" B&B Weigela florida & cvs - Old Fashioned Weigela	22.45	
32 93 33 00-0783	EA		36" B&B Weigela florida & cvs - Old Fashioned Weigela	25.09	
32 93 33 00-0784	EA		42" B&B Weigela florida & cvs - Old Fashioned Weigela	29.06	
32 93 33 00-0785	EA		48" B&B Weigela florida & cvs - Old Fashioned Weigela	33.02	
32 93 33 00-0786	EA		1 Gallon Xylosma congestum - Shiny Xylosma	4.54	
32 93 33 00-0787	EA		5 Gallon Xylosma congestum - Shiny Xylosma	12.84	
32 93 33 00-0788	EA		15 Gallon Xylosma congestum - Shiny Xylosma	56.47	
32 93 33 00-0789	EA		1 Gallon Yucca aloifolia - Spanish Bayonet	3.83	
32 93 33 00-0790	EA		3 Gallon Yucca aloifolia - Spanish Bayonet	10.14	
32 93 33 00-0791	EA		1 Gallon Yucca filamentosa - Adams Needle	5.32	
32 93 33 00-0792	EA		3 Gallon Yucca filamentosa - Adams Needle	10.36	
32 93 33 00-0793	EA		5 Gallon Yucca filamentosa - Adams Needle	16.39	
32 93 33 00-0794	EA		5 Gallon Border Forsythia - Goldenbells	18.23	
32 93 33 00-0795	EA		2' To 3' Border Forsythia - Goldenbells	15.04	
32 93 33 00-0796	EA		3' To 4' Border Forsythia - Goldenbells	19.01	
32 93 33 00-0797	EA		4' To 5' Border Forsythia - Goldenbells	23.69	
32 93 33 00-0798	EA		5' To 6' Border Forsythia - Goldenbells	28.45	
32 93 33 00-0799	EA		6' To 8' Border Forsythia - Goldenbells	39.09	
32 93 33 00-0800	EA		3' Juniperus chinensis - Columnar Chinese Juniper	38.73	
32 93 33 00-0801	EA		4' Juniperus chinensis - Columnar Chinese Juniper	53.16	
32 93 33 00-0802	EA		5' Juniperus chinensis - Columnar Chinese Juniper	83.53	
32 93 33 00-0803	EA		6' Juniperus chinensis - Columnar Chinese Juniper	97.20	
32 93 33 00-0804	EA		7' Juniperus chinensis - Columnar Chinese Juniper	127.58	
32 93 33 00-0805	EA		2 Gallon Chrysobalanus icaco - Cocoplum Red Tip	7.59	
32 93 33 00-0806	EA		3 Gallon Chrysobalanus icaco - Cocoplum Red Tip	10.63	

32 Exterior Improvements**32 90 Planting****32 93 Plants**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 33 00-0807	EA		5 Gallon Chrysobalanus icaco - Cocoplum Red Tip.....	25.74	
32 93 33 00-0808	EA		2 Gallon Chrysobalanus icaco - Cocoplum Green Tip.....	7.59	
32 93 33 00-0809	EA		3 Gallon Chrysobalanus icaco - Cocoplum Green Tip.....	10.63	
32 93 43			Trees ^(32 93)		
			Note: (cvs = cultivar) materials only.		
32 93 43 00-0001			Ornamental Trees ^(32 93 43)		
			Note: All trees listed by caliper of trunk or height of tree if field grown, dug with spade, balled and burlapped and delivered to site.		
32 93 43 00-0002	EA		6' Clump Form Acer ginnala & cvs - Amur Maple.....	117.80	
32 93 43 00-0003	EA		7' Clump Form Acer ginnala & cvs - Amur Maple.....	143.98	
32 93 43 00-0004	EA		8' Clump Form Acer ginnala & cvs - Amur Maple.....	163.61	
32 93 43 00-0005	EA		10' Clump Form Acer ginnala & cvs - Amur Maple.....	189.79	
32 93 43 00-0006	EA		12' Clump Form Acer ginnala & cvs - Amur Maple.....	215.96	
32 93 43 00-0007	EA		14' Clump Form Acer ginnala & cvs - Amur Maple.....	255.23	
32 93 43 00-0008	EA		1-1/2" To 2" Caliper Acer griseum - Paperbark Maple.....	341.30	
32 93 43 00-0009	EA		2" To 2-1/2" Caliper Acer griseum - Paperbark Maple.....	418.84	
32 93 43 00-0010	EA		2-1/2" To 3" Caliper Acer griseum - Paperbark Maple.....	523.55	
32 93 43 00-0011	EA		5' Clump Form Acer griseum - Paperbark Maple.....	104.71	
32 93 43 00-0012	EA		1-1/2" Caliper Aesculus californica - California Buckeye.....	261.77	
32 93 43 00-0013	EA		2" Caliper Aesculus californica - California Buckeye.....	340.31	
32 93 43 00-0014	EA		2-1/2" Caliper Aesculus californica - California Buckeye.....	392.66	
32 93 43 00-0015	EA		3" Caliper Aesculus californica - California Buckeye.....	445.02	
32 93 43 00-0016	EA		3-1/2" Caliper Aesculus californica - California Buckeye.....	523.55	
32 93 43 00-0017	EA		36" B&B Amelanchier alnifolia & cvs - Saskatoon Serviceberry.....	52.83	
32 93 43 00-0018	EA		48" B&B Amelanchier alnifolia & cvs - Saskatoon Serviceberry.....	66.03	
32 93 43 00-0019	EA		60" B&B Amelanchier alnifolia & cvs - Saskatoon Serviceberry.....	81.88	
32 93 43 00-0020	EA		60" B&B Amelanchier arborea & cvs - Downy Serviceberry.....	66.03	
32 93 43 00-0021	EA		72" B&B Amelanchier arborea & cvs - Downy Serviceberry.....	79.24	
32 93 43 00-0022	EA		7' B&B Amelanchier arborea & cvs - Downy Serviceberry.....	92.45	
32 93 43 00-0023	EA		8' B&B Amelanchier arborea & cvs - Downy Serviceberry.....	105.66	
32 93 43 00-0024	EA		5' B&B Amelanchier canadensis & cvs - Shadblow Serviceberry.....	118.86	
32 93 43 00-0025	EA		6' B&B Amelanchier canadensis & cvs - Shadblow Serviceberry.....	132.07	
32 93 43 00-0026	EA		7' B&B Amelanchier canadensis & cvs - Shadblow Serviceberry.....	151.88	
32 93 43 00-0027	EA		8' B&B Amelanchier canadensis & cvs - Shadblow Serviceberry.....	171.69	
32 93 43 00-0028	EA		9' B&B Amelanchier canadensis & cvs - Shadblow Serviceberry.....	198.10	
32 93 43 00-0029	EA		1-1/2" Caliper Amelanchier x grandiflora & cvs - Apple Serviceberry.....	130.89	
32 93 43 00-0030	EA		2" Caliper Amelanchier x grandiflora & cvs - Apple Serviceberry.....	183.24	
32 93 43 00-0031	EA		2-1/2" Caliper Amelanchier x grandiflora & cvs - Apple Serviceberry.....	196.33	
32 93 43 00-0032	EA		3" Caliper Amelanchier x grandiflora & cvs - Apple Serviceberry.....	229.05	
32 93 43 00-0033	EA		6' Clump Form Amelanchier x grandiflora & cvs - Apple Serviceberry.....	163.61	
32 93 43 00-0034	EA		7' Clump Form Amelanchier x grandiflora & cvs - Apple Serviceberry.....	196.33	
32 93 43 00-0035	EA		8' Clump Form Amelanchier x grandiflora & cvs - Apple Serviceberry.....	229.05	
32 93 43 00-0036	EA		10' Clump Form Amelanchier x grandiflora & cvs - Apple Serviceberry.....	261.77	
32 93 43 00-0037	EA		12' Clump Form Amelanchier x grandiflora & cvs - Apple Serviceberry.....	294.50	
32 93 43 00-0038	EA		14' Clump Form Amelanchier x grandiflora & cvs - Apple Serviceberry.....	327.22	
32 93 43 00-0039	EA		7' B&B Amelanchier laevis & cvs - Allegheny Serviceberry.....	151.88	
32 93 43 00-0040	EA		8' B&B Amelanchier laevis & cvs - Allegheny Serviceberry.....	178.29	
32 93 43 00-0041	EA		9' B&B Amelanchier laevis & cvs - Allegheny Serviceberry.....	204.71	
32 93 43 00-0042	EA		10' B&B Amelanchier laevis & cvs - Allegheny Serviceberry.....	224.52	
32 93 43 00-0043	EA		30" B&B Amelanchier stolonifera & cvs - Running Serviceberry.....	52.83	
32 93 43 00-0044	EA		48" B&B Amelanchier stolonifera & cvs - Running Serviceberry.....	112.26	
32 93 43 00-0045	EA		60" B&B Amelanchier stolonifera & cvs - Running Serviceberry.....	145.28	
32 93 43 00-0046	EA		2' To 4' Amelechier - Juneberry.....	16.08	
32 93 43 00-0047	EA		4' To 5' Amelechier - Juneberry.....	16.87	
32 93 43 00-0048	EA		5' To 6' Amelechier - Juneberry.....	20.08	
32 93 43 00-0049	EA		6' To 8' Amelechier - Juneberry.....	23.96	
32 93 43 00-0050	EA		3' Clump Form Asimina triloba - Paw-Paw.....	91.62	
32 93 43 00-0051	EA		4' Clump Form Asimina triloba - Paw-Paw.....	104.71	
32 93 43 00-0052	EA		5' Clump Form Asimina triloba - Paw-Paw.....	143.98	
32 93 43 00-0053	EA		1-1/2" Caliper Carpinus caroliniana - American Hornbeam Ironwood.....	196.33	
32 93 43 00-0054	EA		2" Caliper Carpinus caroliniana - American Hornbeam Ironwood.....	229.05	
32 93 43 00-0055	EA		2-1/2" Caliper Carpinus caroliniana - American Hornbeam Ironwood.....	294.50	
32 93 43 00-0056	EA		5' Clump Form Carpinus caroliniana - American Hornbeam Ironwood.....	117.80	
32 93 43 00-0057	EA		6' Clump Form Carpinus caroliniana - American Hornbeam Ironwood.....	143.98	
32 93 43 00-0058	EA		7' Clump Form Carpinus caroliniana - American Hornbeam Ironwood.....	196.33	
32 93 43 00-0059	EA		8' Clump Form Carpinus caroliniana - American Hornbeam Ironwood.....	229.05	
32 93 43 00-0060	EA		10' Clump Form Carpinus caroliniana - American Hornbeam Ironwood.....	274.86	
32 93 43 00-0061	EA		12' Clump Form Carpinus caroliniana - American Hornbeam Ironwood.....	333.76	
32 93 43 00-0062	EA		14' Clump Form Carpinus caroliniana - American Hornbeam Ironwood.....	379.57	
32 93 43 00-0063	EA		6' Cercis occidentalis - Western Redbud.....	73.30	
32 93 43 00-0064	EA		8' Cercis occidentalis - Western Redbud.....	100.85	
32 93 43 00-0065	EA		2-1/2" Caliper Cercis occidentalis - Western Redbud.....	207.72	
32 93 43 00-0066	EA		3" Caliper Cercis occidentalis - Western Redbud.....	252.87	
32 93 43 00-0067	EA		15 Gallon Cercis canadensis & cvs - Eastern Redbud.....	63.98	
32 93 43 00-0068	EA		20 Gallon Cercis canadensis & cvs - Eastern Redbud.....	79.98	
32 93 43 00-0069	EA		6' Clump Form Cercis canadensis & cvs - Eastern Redbud.....	157.06	
32 93 43 00-0070	EA		7' Clump Form Cercis canadensis & cvs - Eastern Redbud.....	215.96	
32 93 43 00-0071	EA		8' Clump Form Cercis canadensis & cvs - Eastern Redbud.....	274.86	
32 93 43 00-0072	EA		1-1/2" Caliper Cercis canadensis & cvs - Eastern Redbud.....	150.52	



Exterior Improvements 32

Planting 32 90

Plants 32 93

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MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 43 00-0073	EA		2" Caliper Cercis canadensis & cvs - Eastern Redbud.....	176.70	
32 93 43 00-0074	EA		5' To 6' Chaenomeles - Orange Quince.....	41.34	
32 93 43 00-0075	EA		6' To 8' Chaenomeles - Orange Quince.....	51.68	
32 93 43 00-0076	EA		5' Clump Form Chionanthus virginicus - White Fringetree.....	130.89	
32 93 43 00-0077	EA		6' Clump Form Chionanthus virginicus - White Fringetree.....	163.61	
32 93 43 00-0078	EA		7' Clump Form Chionanthus virginicus - White Fringetree.....	209.42	
32 93 43 00-0079	EA		4' To 5' Cornus - Pink Or Red Flowering Dogwood.....	47.25	
32 93 43 00-0080	EA		5' To 6' Cornus - Pink Or Red Flowering Dogwood.....	59.06	
32 93 43 00-0081	EA		6' To 7' Cornus - Pink Or Red Flowering Dogwood.....	82.68	
32 93 43 00-0082	EA		7' To 8' Cornus - Pink Or Red Flowering Dogwood.....	106.31	
32 93 43 00-0083	EA		4' To 5' Cornus - White Flowering Dogwood.....	31.50	
32 93 43 00-0084	EA		5' To 6' Cornus - White Flowering Dogwood.....	47.25	
32 93 43 00-0085	EA		6' To 7' Cornus - White Flowering Dogwood.....	66.15	
32 93 43 00-0086	EA		3' To 4' Cornus kousa - Japanese Dogwood.....	31.50	
32 93 43 00-0087	EA		4' To 5' Cornus kousa - Japanese Dogwood.....	36.22	
32 93 43 00-0088	EA		5' To 6' Cornus kousa - Japanese Dogwood.....	47.25	
32 93 43 00-0089	EA		6' To 8' Cornus kousa - Japanese Dogwood.....	69.30	
32 93 43 00-0090	EA		8' To 10' Cornus kousa - Japanese Dogwood.....	94.49	
32 93 43 00-0091	EA		1-1/2" Caliper Cornus alternifolia & cvs - Pagoda Dogwood.....	150.52	
32 93 43 00-0092	EA		2" Caliper Cornus alternifolia & cvs - Pagoda Dogwood.....	183.24	
32 93 43 00-0093	EA		4' Clump Form Cornus alternifolia & cvs - Pagoda Dogwood.....	71.99	
32 93 43 00-0094	EA		5' Clump Form Cornus alternifolia & cvs - Pagoda Dogwood.....	91.62	
32 93 43 00-0095	EA		6' Clump Form Cornus alternifolia & cvs - Pagoda Dogwood.....	104.71	
32 93 43 00-0096	EA		7' Clump Form Cornus alternifolia & cvs - Pagoda Dogwood.....	117.80	
32 93 43 00-0097	EA		8' Clump Form Cornus alternifolia & cvs - Pagoda Dogwood.....	143.98	
32 93 43 00-0098	EA		4' Clump Form Cornus mas & cvs - Corneliancherry Dogwood.....	71.99	
32 93 43 00-0099	EA		5' Clump Form Cornus mas & cvs - Corneliancherry Dogwood.....	91.62	
32 93 43 00-0100	EA		6' Clump Form Cornus mas & cvs - Corneliancherry Dogwood.....	111.25	
32 93 43 00-0101	EA		7' Clump Form Cornus mas & cvs - Corneliancherry Dogwood.....	130.89	
32 93 43 00-0102	EA		8' Clump Form Cornus mas & cvs - Corneliancherry Dogwood.....	183.24	
32 93 43 00-0103	EA		1-1/2" Caliper Cornus mas & cvs - Corneliancherry Dogwood.....	163.61	
32 93 43 00-0104	EA		2" Caliper Cornus mas & cvs - Corneliancherry Dogwood.....	196.33	
32 93 43 00-0105	EA		2-1/2" Caliper Cornus mas & cvs - Corneliancherry Dogwood.....	229.05	
32 93 43 00-0106	EA		1-1/2" Caliper Crataegus crusgalli inermis & cvs - Thornless Cockspur Hawthorn.....	130.89	
32 93 43 00-0107	EA		2" Caliper Crataegus crusgalli inermis & cvs - Thornless Cockspur Hawthorn.....	163.61	
32 93 43 00-0108	EA		2-1/2" Caliper Crataegus crusgalli inermis & cvs - Thornless Cockspur Hawthorn.....	202.87	
32 93 43 00-0109	EA		3" Caliper Crataegus crusgalli inermis & cvs - Thornless Cockspur Hawthorn.....	229.05	
32 93 43 00-0110	EA		3-1/2" Caliper Crataegus crusgalli inermis & cvs - Thornless Cockspur Hawthorn.....	261.77	
32 93 43 00-0111	EA		4" Caliper Crataegus crusgalli inermis & cvs - Thornless Cockspur Hawthorn.....	294.50	
32 93 43 00-0112	EA		6' Clump Form Crataegus crusgalli inermis & cvs - Thornless Cockspur Hawthorn.....	130.89	
32 93 43 00-0113	EA		7' Clump Form Crataegus crusgalli inermis & cvs - Thornless Cockspur Hawthorn.....	157.06	
32 93 43 00-0114	EA		8' Clump Form Crataegus crusgalli inermis & cvs - Thornless Cockspur Hawthorn.....	183.24	
32 93 43 00-0115	EA		10' Clump Form Crataegus crusgalli inermis & cvs - Thornless Cockspur Hawthorn.....	229.05	
32 93 43 00-0116	EA		12' Clump Form Crataegus crusgalli inermis & cvs - Thornless Cockspur Hawthorn.....	294.50	
32 93 43 00-0117	EA		1-1/2" Caliper Crataegus phaenopyrum & cvs - Washington Hawthorn.....	104.71	
32 93 43 00-0118	EA		2" Caliper Crataegus phaenopyrum & cvs - Washington Hawthorn.....	117.80	
32 93 43 00-0119	EA		2-1/2" Caliper Crataegus phaenopyrum & cvs - Washington Hawthorn.....	130.89	
32 93 43 00-0120	EA		3" Caliper Crataegus phaenopyrum & cvs - Washington Hawthorn.....	150.52	
32 93 43 00-0121	EA		3-1/2" Caliper Crataegus phaenopyrum & cvs - Washington Hawthorn.....	196.33	
32 93 43 00-0122	EA		4" Caliper Crataegus phaenopyrum & cvs - Washington Hawthorn.....	222.51	
32 93 43 00-0123	EA		6' Clump Form Crataegus phaenopyrum & cvs - Washington Hawthorn.....	91.62	
32 93 43 00-0124	EA		7' Clump Form Crataegus phaenopyrum & cvs - Washington Hawthorn.....	111.25	
32 93 43 00-0125	EA		8' Clump Form Crataegus phaenopyrum & cvs - Washington Hawthorn.....	130.89	
32 93 43 00-0126	EA		10' Clump Form Crataegus phaenopyrum & cvs - Washington Hawthorn.....	163.61	
32 93 43 00-0127	EA		12' Clump Form Crataegus phaenopyrum & cvs - Washington Hawthorn.....	202.87	
32 93 43 00-0128	EA		14' Clump Form Crataegus phaenopyrum & cvs - Washington Hawthorn.....	242.14	
32 93 43 00-0129	EA		16' Clump Form Crataegus phaenopyrum & cvs - Washington Hawthorn.....	281.41	
32 93 43 00-0130	EA		1-1/2" Caliper Crataegus viridis - Winter King Hawthorn.....	104.71	
32 93 43 00-0131	EA		2" Caliper Crataegus viridis - Winter King Hawthorn.....	117.80	
32 93 43 00-0132	EA		2-1/2" Caliper Crataegus viridis - Winter King Hawthorn.....	163.61	
32 93 43 00-0133	EA		3" Caliper Crataegus viridis - Winter King Hawthorn.....	215.96	
32 93 43 00-0134	EA		6' Clump Form Crataegus viridis - Winter King Hawthorn.....	98.17	
32 93 43 00-0135	EA		7' Clump Form Crataegus viridis - Winter King Hawthorn.....	130.89	
32 93 43 00-0136	EA		8' Clump Form Crataegus viridis - Winter King Hawthorn.....	163.61	
32 93 43 00-0137	EA		10' Clump Form Crataegus viridis - Winter King Hawthorn.....	196.33	
32 93 43 00-0138	EA		4' Clump Form Hamamelis virginiana - Common Witchhazel.....	65.44	
32 93 43 00-0139	EA		5' Clump Form Hamamelis virginiana - Common Witchhazel.....	85.08	
32 93 43 00-0140	EA		6' Clump Form Hamamelis virginiana - Common Witchhazel.....	104.71	
32 93 43 00-0141	EA		7' Clump Form Hamamelis virginiana - Common Witchhazel.....	143.98	
32 93 43 00-0142	EA		8' Clump Form Hamamelis virginiana - Common Witchhazel.....	196.33	
32 93 43 00-0143	EA		1 Gallon Ilex Cassine - Casine Holly (Dahoon).....	3.76	
32 93 43 00-0144	EA		5 Gallon Ilex Cassine - Casine Holly (Dahoon).....	12.04	
32 93 43 00-0145	EA		4' To 5' Ilex Cassine - Casine Holly (Dahoon).....	20.70	
32 93 43 00-0146	EA		6' To 7' Ilex Cassine - Casine Holly (Dahoon).....	39.51	
32 93 43 00-0147	EA		8' To 9' Ilex Cassine - Casine Holly (Dahoon).....	52.68	
32 93 43 00-0148	EA		10' To 12' Ilex Cassine - Casine Holly (Dahoon).....	67.73	
32 93 43 00-0149	EA		2' To 3' Magnolia Virginiana - Sweetbay Magnolia.....	24.80	
32 93 43 00-0150	EA		3' To 4' Magnolia Virginiana - Sweetbay Magnolia.....	37.21	
32 93 43 00-0151	EA		4' To 5' Magnolia Virginiana - Sweetbay Magnolia.....	46.51	
32 93 43 00-0152	EA		5' To 6' Magnolia Virginiana - Sweetbay Magnolia.....	57.93	
32 93 43 00-0153	EA		4' Clump Form Magnolia acuminata, cvs & hybrids - Cucumbertree Magnolia.....	98.17	

32 Exterior Improvements**32 90 Planting****32 93 Plants**

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

32 93 43 00-0154	EA	5' Clump Form Magnolia acuminata, cvs & hybrids - Cucumbertree Magnolia	130.89	
32 93 43 00-0155	EA	6' Clump Form Magnolia acuminata, cvs & hybrids - Cucumbertree Magnolia	170.15	
32 93 43 00-0156	EA	7' Clump Form Magnolia acuminata, cvs & hybrids - Cucumbertree Magnolia	189.79	
32 93 43 00-0157	EA	9' Clump Form Magnolia acuminata, cvs & hybrids - Cucumbertree Magnolia	255.23	
32 93 43 00-0158	EA	8' Clump Form Magnolia acuminata, cvs & hybrids - Cucumbertree Magnolia	229.05	
32 93 43 00-0159	EA	4' Clump Form Magnolia kobus, cvs & hybrids - Kobus Magnolia	98.17	
32 93 43 00-0160	EA	5' Clump Form Magnolia kobus, cvs & hybrids - Kobus Magnolia	130.89	
32 93 43 00-0161	EA	6' Clump Form Magnolia kobus, cvs & hybrids - Kobus Magnolia	170.15	
32 93 43 00-0162	EA	7' Clump Form Magnolia kobus, cvs & hybrids - Kobus Magnolia	189.79	
32 93 43 00-0163	EA	8' Clump Form Magnolia kobus, cvs & hybrids - Kobus Magnolia	229.05	
32 93 43 00-0164	EA	9' Clump Form Magnolia kobus, cvs & hybrids - Kobus Magnolia	255.23	
32 93 43 00-0165	EA	4' Clump Form Magnolia loebneri, cvs & hybrids - Loebner Magnolia	98.17	
32 93 43 00-0166	EA	5' Clump Form Magnolia loebneri, cvs & hybrids - Loebner Magnolia	130.89	
32 93 43 00-0167	EA	6' Clump Form Magnolia loebneri, cvs & hybrids - Loebner Magnolia	170.15	
32 93 43 00-0168	EA	7' Clump Form Magnolia loebneri, cvs & hybrids - Loebner Magnolia	189.79	
32 93 43 00-0169	EA	8' Clump Form Magnolia loebneri, cvs & hybrids - Loebner Magnolia	229.05	
32 93 43 00-0170	EA	9' Clump Form Magnolia loebneri, cvs & hybrids - Loebner Magnolia	255.23	
32 93 43 00-0171	EA	4' Clump Form Magnolia soulangiana & cvs - Saucer Magnolia	98.17	
32 93 43 00-0172	EA	5' Clump Form Magnolia soulangiana & cvs - Saucer Magnolia	130.89	
32 93 43 00-0173	EA	6' Clump Form Magnolia soulangiana & cvs - Saucer Magnolia	170.15	
32 93 43 00-0174	EA	7' Clump Form Magnolia soulangiana & cvs - Saucer Magnolia	189.79	
32 93 43 00-0175	EA	8' Clump Form Magnolia soulangiana & cvs - Saucer Magnolia	229.05	
32 93 43 00-0176	EA	9' Clump Form Magnolia soulangiana & cvs - Saucer Magnolia	255.23	
32 93 43 00-0177	EA	4' Clump Form Magnolia stellata, cvs & hybrids - Star Magnolia	98.17	
32 93 43 00-0178	EA	5' Clump Form Magnolia stellata, cvs & hybrids - Star Magnolia	130.89	
32 93 43 00-0179	EA	6' Clump Form Magnolia stellata, cvs & hybrids - Star Magnolia	170.15	
32 93 43 00-0180	EA	7' Clump Form Magnolia stellata, cvs & hybrids - Star Magnolia	189.79	
32 93 43 00-0181	EA	8' Clump Form Magnolia stellata, cvs & hybrids - Star Magnolia	229.05	
32 93 43 00-0182	EA	9' Clump Form Magnolia stellata, cvs & hybrids - Star Magnolia	255.23	
32 93 43 00-0183	EA	5 Gallon Malus - Crabapple	26.58	
32 93 43 00-0184	EA	15 Gallon Malus - Crabapple	67.77	
32 93 43 00-0185	EA	20 Gallon Malus - Crabapple	79.73	
32 93 43 00-0186	EA	1-1/2" Caliper Malus cvs - Crabapple Varieties	78.53	
32 93 43 00-0187	EA	2" Caliper Malus cvs - Crabapple Varieties	104.71	
32 93 43 00-0188	EA	2-1/2" Caliper Malus cvs - Crabapple Varieties	130.89	
32 93 43 00-0189	EA	3" Caliper Malus cvs - Crabapple Varieties	157.06	
32 93 43 00-0190	EA	3-1/2" Caliper Malus cvs - Crabapple Varieties	183.24	
32 93 43 00-0191	EA	4" Caliper Malus cvs - Crabapple Varieties	209.42	
32 93 43 00-0192	EA	6' Clump Form Malus cvs - Crabapple Varieties	117.80	
32 93 43 00-0193	EA	7' Clump Form Malus cvs - Crabapple Varieties	130.89	
32 93 43 00-0194	EA	8' Clump Form Malus cvs - Crabapple Varieties	163.61	
32 93 43 00-0195	EA	10' Clump Form Malus cvs - Crabapple Varieties	183.24	
32 93 43 00-0196	EA	12' Clump Form Malus cvs - Crabapple Varieties	235.60	
32 93 43 00-0197	EA	1-1/2" Caliper Malus dwarf cvs - Dwarf Crabapple Cultivars	130.89	
32 93 43 00-0198	EA	2" Caliper Malus dwarf cvs - Dwarf Crabapple Cultivars	163.61	
32 93 43 00-0199	EA	4' Clump Form Malus dwarf cvs - Dwarf Crabapple	98.17	
32 93 43 00-0200	EA	5' Clump Form Malus dwarf cvs - Dwarf Crabapple	124.34	
32 93 43 00-0201	EA	6' Clump Form Malus dwarf cvs - Dwarf Crabapple	150.52	
32 93 43 00-0202	EA	7' Clump Form Malus dwarf cvs - Dwarf Crabapple	170.15	
32 93 43 00-0203	EA	8' Clump Form Malus dwarf cvs - Dwarf Crabapple	189.79	
32 93 43 00-0204	EA	9' Clump Form Malus dwarf cvs - Dwarf Crabapple	209.42	
32 93 43 00-0205	EA	4' To 5' Oxydendrum arboreum - Sourwood	60.04	
32 93 43 00-0206	EA	5' To 6' Oxydendrum arboreum - Sourwood	75.05	
32 93 43 00-0207	EA	6' To 7' Oxydendrum arboreum - Sourwood	90.06	
32 93 43 00-0208	EA	7' To 8' Oxydendrum arboreum - Sourwood	105.08	
32 93 43 00-0209	EA	1 Gallon Platanus racemosa, Multi Trunk - Western Sycamore	8.15	
32 93 43 00-0210	EA	5 Gallon Platanus racemosa, Multi Trunk - Western Sycamore	34.52	
32 93 43 00-0211	EA	20 Gallon Prunus subhirtella - Flowering Cherry	92.03	
32 93 43 00-0212	EA	1-1/2" To 2" Caliper Prunus subhirtella - Flowering Cherry	95.13	
32 93 43 00-0213	EA	2" To 2-1/2" Caliper Prunus subhirtella - Flowering Cherry	118.90	
32 93 43 00-0214	EA	3-1/2" To 4" Caliper Prunus subhirtella - Flowering Cherry	248.14	
32 93 43 00-0215	EA	3" To 3-1/2" Caliper Prunus subhirtella - Flowering Cherry	191.25	
32 93 43 00-0216	EA	4" To 5" Caliper Prunus subhirtella - Flowering Cherry	372.22	
32 93 43 00-0217	EA	5 Gallon Prunus cerasifera x 'Thundercloud' - Thundercloud Purple Leaf Plum	23.77	
32 93 43 00-0218	EA	15 Gallon Prunus cerasifera x 'Thundercloud' - Thundercloud Purple Leaf Plum	65.11	
32 93 43 00-0219	EA	20 Gallon Prunus cerasifera x 'Thundercloud' - Thundercloud Purple Leaf Plum	84.80	
32 93 43 00-0220	EA	5' To 6' Prunus cerasifera x 'Thundercloud' - Thundercloud Purple Leaf Plum	26.87	
32 93 43 00-0221	EA	6' To 8' Prunus cerasifera x 'Thundercloud' - Thundercloud Purple Leaf Plum	51.68	
32 93 43 00-0222	EA	1-1/2" To 2" Caliper Prunus cerasifera x 'Thundercloud' - Thundercloud Purple Leaf Plum	95.13	
32 93 43 00-0223	EA	2" To 2-1/2" Caliper Prunus cerasifera x 'Thundercloud' - Thundercloud Purple Leaf Plum	113.74	
32 93 43 00-0224	EA	1-1/2" To 1-3/4" Caliper Prunus subhirtella - Weeping Cherry	74.46	
32 93 43 00-0225	EA	1-1/4" To 1-1/2" Caliper Prunus subhirtella - Weeping Cherry	62.01	
32 93 43 00-0226	EA	1-3/4" To 2" Caliper Prunus subhirtella - Weeping Cherry	90.95	
32 93 43 00-0227	EA	2" To 2-1/2" Caliper Prunus subhirtella - Weeping Cherry	108.57	
32 93 43 00-0228	EA	2-1/2" To 3" Caliper Prunus subhirtella - Weeping Cherry	139.58	
32 93 43 00-0229	EA	4' To 6' Prunus - Pigeon Plum	37.63	
32 93 43 00-0230	EA	8' To 10' Prunus - Pigeon Plum	127.94	
32 93 43 00-0231	EA	10' To 12' Prunus - Pigeon Plum	162.56	
32 93 43 00-0232	EA	14' To 16' Prunus - Pigeon Plum	255.88	
32 93 43 00-0233	EA	6' To 8' Prunus yedoensis - Yoshino Cherry	53.79	
32 93 43 00-0234	EA	1-1/2" To 2" Caliper Prunus yedoensis - Yoshino Cherry	82.73	



Exterior Improvements 32

Planting 32 90

Plants 32 93

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MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 43 00-0235	EA		2" To 2-1/2" Caliper Prunus yedoensis - Yoshino Cherry	101.29	
32 93 43 00-0236	EA		2-1/2" To 3" Caliper Prunus yedoensis - Yoshino Cherry	129.24	
32 93 43 00-0237	EA		15 Gallon Pyrus Calleryana x 'Aristocrat' - Flowering Pear	71.85	
32 93 43 00-0238	EA		20 Gallon Pyrus Calleryana x 'Aristocrat' - Flowering Pear	89.82	
32 93 43 00-0239	EA		1-1/2" To 2" Caliper Pyrus Calleryana x 'Aristocrat' - Flowering Pear	93.41	
32 93 43 00-0240	EA		2" To 2-1/2" Caliper Pyrus Calleryana x 'Aristocrat' - Flowering Pear	111.37	
32 93 43 00-0241	EA		2-1/2" To 3" Caliper Pyrus Calleryana x 'Aristocrat' - Flowering Pear	150.89	
32 93 43 00-0242	EA		3" To 3-1/2" Caliper Pyrus Calleryana x 'Aristocrat' - Flowering Pear	197.60	
32 93 43 00-0243	EA		3-1/2" To 4" Caliper Pyrus Calleryana x 'Aristocrat' - Flowering Pear	251.49	
32 93 43 00-0244	EA		15 Gallon Pyrus Calleryana x "Bradford" - Flowering Pear	71.85	
32 93 43 00-0245	EA		20 Gallon Pyrus Calleryana x "Bradford" - Flowering Pear	89.82	
32 93 43 00-0246	EA		1-1/2" To 2" Caliper Pyrus Calleryana x "Bradford" - Flowering Pear	61.08	
32 93 43 00-0247	EA		2" To 2-1/2" Caliper Pyrus Calleryana x "Bradford" - Flowering Pear	93.41	
32 93 43 00-0248	EA		2-1/2" To 3" Caliper Pyrus Calleryana x "Bradford" - Flowering Pear	111.28	
32 93 43 00-0249	EA		3" To 3-1/2" Caliper Pyrus Calleryana x "Bradford" - Flowering Pear	150.89	
32 93 43 00-0250	EA		3-1/2" To 4" Caliper Pyrus Calleryana x "Bradford" - Flowering Pear	197.60	
32 93 43 00-0251	EA		1-1/2" Caliper Pyrus calleryana & cvs - Callery Pear	130.89	
32 93 43 00-0252	EA		2" Caliper Pyrus calleryana & cvs - Callery Pear	163.61	
32 93 43 00-0253	EA		2-1/2" Caliper Pyrus calleryana & cvs - Callery Pear	202.87	
32 93 43 00-0254	EA		3" Caliper Pyrus calleryana & cvs - Callery Pear	229.05	
32 93 43 00-0255	EA		3-1/2" Caliper Pyrus calleryana & cvs - Callery Pear	255.23	
32 93 43 00-0256	EA		4" Caliper Pyrus calleryana & cvs - Callery Pear	327.22	
32 93 43 00-0257	EA		1 Gallon Ribes aureum - Golden Currant	7.13	
32 93 43 00-0258	EA		5 Gallon Ribes aureum - Golden Currant	20.40	
32 93 43 00-0259	EA		1 Gallon Ribes sanguineum - Red Flowering Currant	7.13	
32 93 43 00-0260	EA		5 Gallon Ribes sanguineum - Red Flowering Currant	20.40	
32 93 43 00-0261	EA		1 Gallon Ribes viburnifolium - Evergreen Currant	7.13	
32 93 43 00-0262	EA		5 Gallon Ribes viburnifolium - Evergreen Currant	20.40	
32 93 43 00-0263	EA		1-3/4" Caliper Sophora japonica - Japanese Pagoda	174.99	
32 93 43 00-0264	EA		2" Caliper Sophora japonica - Japanese Pagoda	196.86	
32 93 43 00-0265	EA		2-1/2" Caliper Sophora japonica - Japanese Pagoda	229.67	
32 93 43 00-0266	EA		3" Caliper Sophora japonica - Japanese Pagoda	335.92	
32 93 43 00-0267	EA		3-1/2" Caliper Sophora japonica - Japanese Pagoda	507.78	
32 93 43 00-0268	EA		1-1/2" Caliper Sorbus alnifolia - Korean Mountainash	130.89	
32 93 43 00-0269	EA		2" Caliper Sorbus alnifolia - Korean Mountainash	163.61	
32 93 43 00-0270	EA		2-1/2" Caliper Sorbus alnifolia - Korean Mountainash	202.87	
32 93 43 00-0271	EA		3" Caliper Sorbus alnifolia - Korean Mountainash	248.69	
32 93 43 00-0272	EA		3-1/2" Caliper Sorbus alnifolia - Korean Mountainash	301.04	
32 93 43 00-0273	EA		4" Caliper Sorbus alnifolia - Korean Mountainash	359.94	
32 93 43 00-0274	EA		1-1/2" Caliper Syringa reticulata & cvs - Japanese Tree Lilac	170.15	
32 93 43 00-0275	EA		2" Caliper Syringa reticulata & cvs - Japanese Tree Lilac	183.24	
32 93 43 00-0276	EA		2-1/2" Caliper Syringa reticulata & cvs - Japanese Tree Lilac	222.51	
32 93 43 00-0277	EA		4' Clump Form Syringa reticulata & cvs - Japanese Tree Lilac	104.71	
32 93 43 00-0278	EA		5' Clump Form Syringa reticulata & cvs - Japanese Tree Lilac	124.34	
32 93 43 00-0279	EA		6' Clump Form Syringa reticulata & cvs - Japanese Tree Lilac	143.98	
32 93 43 00-0280	EA		7' Clump Form Syringa reticulata & cvs - Japanese Tree Lilac	163.61	
32 93 43 00-0281	EA		8' Clump Form Syringa reticulata & cvs - Japanese Tree Lilac	189.79	
32 93 43 00-0282	EA		10' Clump Form Syringa reticulata & cvs - Japanese Tree Lilac	242.14	
32 93 43 00-0283	EA		12' Clump Form Syringa reticulata & cvs - Japanese Tree Lilac	274.86	
32 93 43 00-0284	EA		14' Clump Form Syringa reticulata & cvs - Japanese Tree Lilac	314.13	
32 93 43 00-0285	EA		6' Brachychiton acerifolius - Flame Tree	361.13	
32 93 43 00-0286	EA		8' Brachychiton acerifolius - Flame Tree	481.50	
32 93 43 00-0287	EA		5 Gallon Celtis Sinensis - Chinese Hackberry	22.08	
32 93 43 00-0288	EA		15 Gallon Celtis Sinensis - Chinese Hackberry	58.21	
32 93 43 00-0289	EA		24" Box Celtis Sinensis - Chinese Hackberry	190.68	
32 93 43 00-0290	EA		36" Box Celtis Sinensis - Chinese Hackberry	557.00	
32 93 43 00-0291	EA		5 Gallon Crataegus phaenopyrum - Washington Hawthorn	22.08	
32 93 43 00-0292	EA		15 Gallon Crataegus phaenopyrum - Washington Hawthorn	58.21	
32 93 43 00-0293	EA		24" Box Crataegus phaenopyrum - Washington Hawthorn	190.68	
32 93 43 00-0294	EA		36" Box Crataegus phaenopyrum - Washington Hawthorn	557.00	
32 93 43 00-0295	EA		1 Gallon Eucalyptus ficifolia - Red-Flowering Gum	6.52	
32 93 43 00-0296	EA		5 Gallon Eucalyptus ficifolia - Red-Flowering Gum	18.06	
32 93 43 00-0297	EA		15 Gallon Eucalyptus ficifolia - Red-Flowering Gum	79.28	
32 93 43 00-0298	EA		24" Box Eucalyptus ficifolia - Red-Flowering Gum	190.68	
32 93 43 00-0299	EA		36" Box Eucalyptus ficifolia - Red-Flowering Gum	501.80	
32 93 43 00-0300	EA		15 Gallon Fraxinus velutina 'Raywood' - Fan-Tex Ash	49.18	
32 93 43 00-0301	EA		24" Box Fraxinus velutina 'Raywood' - Fan-Tex Ash	160.58	
32 93 43 00-0302	EA		36" Box Fraxinus velutina 'Raywood' - Fan-Tex Ash	426.53	
32 93 43 00-0303	EA		48" Box Fraxinus velutina 'Raywood' - Fan-Tex Ash	953.42	
32 93 43 00-0304	EA		5 Gallon Gleditsia triacanthos 'Shademaster' - Shademaster Honey Locust	14.05	
32 93 43 00-0305	EA		15 Gallon Gleditsia triacanthos 'Shademaster' - Shademaster Honey Locust	49.18	
32 93 43 00-0306	EA		24" Box Gleditsia triacanthos 'Shademaster' - Shademaster Honey Locust	160.58	
32 93 43 00-0307	EA		36" Box Gleditsia triacanthos 'Shademaster' - Shademaster Honey Locust	426.53	
32 93 43 00-0308	EA		48" Box Gleditsia triacanthos 'Shademaster' - Shademaster Honey Locust	953.42	
32 93 43 00-0309	EA		5 Gallon Liquidambar styraciflua 'Burgundy' - Burgundy Sweetgum	14.05	
32 93 43 00-0310	EA		15 Gallon Liquidambar styraciflua 'Burgundy' - Burgundy Sweetgum	59.21	
32 93 43 00-0311	EA		24" Box Liquidambar styraciflua 'Burgundy' - Burgundy Sweetgum	160.58	
32 93 43 00-0312	EA		36" Box Liquidambar styraciflua 'Burgundy' - Burgundy Sweetgum	451.62	
32 93 43 00-0313	EA		48" Box Liquidambar styraciflua 'Burgundy' - Burgundy Sweetgum	1,154.14	
32 93 43 00-0314	EA		5 Gallon Liquidambar styraciflua 'Festival' - Festival Sweetgum	14.05	
32 93 43 00-0315	EA		15 Gallon Liquidambar styraciflua 'Festival' - Festival Sweetgum	59.21	

32 Exterior Improvements**32 90 Planting****32 93 Plants**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT
UNIT COST DEMOLITION
UNIT COST

32 93 43 00-0316	EA	24" Box Liquidambar styraciflua 'Festival' - Festival Sweetgum.....	160.58
32 93 43 00-0317	EA	36" Box Liquidambar styraciflua 'Festival' - Festival Sweetgum.....	451.62
32 93 43 00-0318	EA	48" Box Liquidambar styraciflua 'Festival' - Festival Sweetgum.....	1,154.14
32 93 43 00-0319	EA	5 Gallon Liquidambar styraciflua 'Palo Alto' - Palo Alto Sweetgum.....	14.05
32 93 43 00-0320	EA	15 Gallon Liquidambar styraciflua 'Palo Alto' - Palo Alto Sweetgum.....	59.21
32 93 43 00-0321	EA	24" Box Liquidambar styraciflua 'Palo Alto' - Palo Alto Sweetgum.....	160.58
32 93 43 00-0322	EA	36" Box Liquidambar styraciflua 'Palo Alto' - Palo Alto Sweetgum.....	451.62
32 93 43 00-0323	EA	48" Box Liquidambar styraciflua 'Palo Alto' - Palo Alto Sweetgum.....	1,154.14
32 93 43 00-0324	EA	1 Gallon Pittosporum undulatum - Victorian Box.....	4.52
32 93 43 00-0325	EA	5 Gallon Pittosporum undulatum - Victorian Box.....	14.05
32 93 43 00-0326	EA	15 Gallon Pittosporum undulatum - Victorian Box.....	59.21
32 93 43 00-0327	EA	24" Box Pittosporum undulatum - Victorian Box.....	160.58
32 93 43 00-0328	EA	36" Box Pittosporum undulatum - Victorian Box.....	451.62
32 93 43 00-0329	EA	48" Box Pittosporum undulatum - Victorian Box.....	1,154.14
32 93 43 00-0330	EA	15 Gallon Prunus cerasifera 'Thundercloud' - Thundercloud Purple Leaf Plum.....	50.13
32 93 43 00-0331	EA	24" Box Prunus cerasifera 'Thundercloud' - Thundercloud Purple Leaf Plum.....	180.60

32 93 43 00-0332**Shade Trees (32 93 43)**

Note: All trees listed by caliper of trunk or height of tree if field grown, dug with spade, balled and burlapped and delivered to site.

32 93 43 00-0333	EA	3-1/2" To 4" Caliper Acer palmatum - Bloodgood Japanese Maple.....	292.02
32 93 43 00-0334	EA	4" To 4-1/2" Caliper Acer palmatum - Bloodgood Japanese Maple.....	357.96
32 93 43 00-0335	EA	4-1/2" To 5" Caliper Acer palmatum - Bloodgood Japanese Maple.....	466.29
32 93 43 00-0336	EA	5" To 6" Caliper Acer palmatum - Bloodgood Japanese Maple.....	604.45
32 93 43 00-0337	EA	2' To 2-1/2' Acer palmatum - Japanese Maple.....	30.80
32 93 43 00-0338	EA	4' To 5" Acer palmatum - Japanese Maple.....	64.68
32 93 43 00-0339	EA	5' To 6' Acer palmatum - Japanese Maple.....	84.70
32 93 43 00-0340	EA	6' To 7' Acer palmatum - Japanese Maple.....	154.00
32 93 43 00-0341	EA	7' To 8' Acer palmatum - Japanese Maple.....	215.60
32 93 43 00-0342	EA	8' To 10' Acer palmatum - Japanese Maple.....	277.21
32 93 43 00-0343	EA	10' To 12' Acer palmatum - Japanese Maple.....	369.61
32 93 43 00-0344	EA	2" Caliper Acer platanoides & cvs - Norway Maple.....	157.00
32 93 43 00-0345	EA	2" Caliper Acer platanoides & cvs - Norway Maple.....	191.13
32 93 43 00-0346	EA	3" Caliper Acer platanoides & cvs - Norway Maple.....	245.74
32 93 43 00-0347	EA	3-1/2" Caliper Acer platanoides & cvs - Norway Maple.....	286.70
32 93 43 00-0348	EA	4" Caliper Acer platanoides & cvs - Norway Maple.....	307.17
32 93 43 00-0349	EA	4-1/2" Caliper Acer platanoides & cvs - Norway Maple.....	334.48
32 93 43 00-0350	EA	5" Caliper Acer platanoides & cvs - Norway Maple.....	375.43
32 93 43 00-0351	EA	2" Caliper Acer rubrum & cvs - Red Maple.....	150.17
32 93 43 00-0352	EA	2-1/2" Caliper Acer rubrum & cvs - Red Maple.....	191.13
32 93 43 00-0353	EA	3" Caliper Acer rubrum & cvs - Red Maple.....	245.74
32 93 43 00-0354	EA	3-1/2" Caliper Acer rubrum & cvs - Red Maple.....	300.35
32 93 43 00-0355	EA	4" Caliper Acer rubrum & cvs - Red Maple.....	341.30
32 93 43 00-0356	EA	4-1/2" Caliper Acer rubrum & cvs - Red Maple.....	395.91
32 93 43 00-0357	EA	5" Caliper Acer rubrum & cvs - Red Maple.....	443.70
32 93 43 00-0358	EA	8' Clump Form Acer rubrum & cvs - Red Maple.....	184.30
32 93 43 00-0359	EA	10' Clump Form Acer rubrum & cvs - Red Maple.....	245.74
32 93 43 00-0360	EA	12' Clump Form Acer rubrum & cvs - Red Maple.....	286.70
32 93 43 00-0361	EA	14' Clump Form Acer rubrum & cvs - Red Maple.....	327.65
32 93 43 00-0362	EA	16' Clump Form Acer rubrum & cvs - Red Maple.....	368.61
32 93 43 00-0363	EA	18' Clump Form Acer rubrum & cvs - Red Maple.....	409.57
32 93 43 00-0364	EA	2" Caliper Acer saccharinum & cvs - Silver Maple.....	122.87
32 93 43 00-0365	EA	2-1/2" Caliper Acer saccharinum & cvs - Silver Maple.....	163.83
32 93 43 00-0366	EA	3" Caliper Acer saccharinum & cvs - Silver Maple.....	204.78
32 93 43 00-0367	EA	3-1/2" Caliper Acer saccharinum & cvs - Silver Maple.....	245.74
32 93 43 00-0368	EA	4" Caliper Acer saccharinum & cvs - Silver Maple.....	286.70
32 93 43 00-0369	EA	4-1/2" Caliper Acer saccharinum & cvs - Silver Maple.....	327.65
32 93 43 00-0370	EA	5" Caliper Acer saccharinum & cvs - Silver Maple.....	368.61
32 93 43 00-0371	EA	2" Caliper Acer saccharum & cvs - Sugar Maple.....	150.17
32 93 43 00-0372	EA	2-1/2" Caliper Acer saccharum & cvs - Sugar Maple.....	197.96
32 93 43 00-0373	EA	3" Caliper Acer saccharum & cvs - Sugar Maple.....	238.91
32 93 43 00-0374	EA	3-1/2" Caliper Acer saccharum & cvs - Sugar Maple.....	273.04
32 93 43 00-0375	EA	4" Caliper Acer saccharum & cvs - Sugar Maple.....	320.83
32 93 43 00-0376	EA	4-1/2" Caliper Acer saccharum & cvs - Sugar Maple.....	368.61
32 93 43 00-0377	EA	5" Caliper Acer saccharum & cvs - Sugar Maple.....	409.57
32 93 43 00-0378	EA	10' Clump Form Acer saccharum & cvs - Sugar Maple.....	273.04
32 93 43 00-0379	EA	12' Clump Form Acer saccharum & cvs - Sugar Maple.....	320.83
32 93 43 00-0380	EA	14' Clump Form Acer saccharum & cvs - Sugar Maple.....	375.43
32 93 43 00-0381	EA	16' Clump Form Acer saccharum & cvs - Sugar Maple.....	416.39
32 93 43 00-0382	EA	18' Clump Form Acer saccharum & cvs - Sugar Maple.....	505.13
32 93 43 00-0383	EA	20' Clump Form Acer saccharum & cvs - Sugar Maple.....	546.09
32 93 43 00-0384	EA	2" Caliper Acer x freemanii & cvs - Freemanii Hybrid Maple.....	170.65
32 93 43 00-0385	EA	2-1/2" Caliper Acer x freemanii & cvs - Freemanii Hybrid Maple.....	211.61
32 93 43 00-0386	EA	3" Caliper Acer x freemanii & cvs - Freemanii Hybrid Maple.....	259.39
32 93 43 00-0387	EA	3-1/2" Caliper Acer x freemanii & cvs - Freemanii Hybrid Maple.....	300.35
32 93 43 00-0388	EA	4" Caliper Acer x freemanii & cvs - Freemanii Hybrid Maple.....	327.65
32 93 43 00-0389	EA	4-1/2" Caliper Acer x freemanii & cvs - Freemanii Hybrid Maple.....	361.78
32 93 43 00-0390	EA	5" Caliper Acer x freemanii & cvs - Freemanii Hybrid Maple.....	402.74
32 93 43 00-0391	EA	10' Clump Form Acer x freemanii & cvs - Freemanii Hybrid Maple.....	245.74
32 93 43 00-0392	EA	12' Clump Form Acer x freemanii & cvs - Freemanii Hybrid Maple.....	324.92



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 43 00-0393 EA 14' Clump Form Acer x freemanii & cvs - Freemanii Hybrid Maple.....	378.17	
32 93 43 00-0394 EA 16' Clump Form Acer x freemanii & cvs - Freemanii Hybrid Maple.....	416.39	
32 93 43 00-0395 EA 18' Clump Form Acer x freemanii & cvs - Freemanii Hybrid Maple.....	505.13	
32 93 43 00-0396 EA 20' Clump Form Acer x freemanii & cvs - Freemanii Hybrid Maple.....	546.09	
32 93 43 00-0397 EA 2" Caliper Aesculus hippocastanum & cvs - Common Horsechestnut.....	238.91	
32 93 43 00-0398 EA 2-1/2" Caliper Aesculus hippocastanum & cvs - Common Horsechestnut.....	266.22	
32 93 43 00-0399 EA 3" Caliper Aesculus hippocastanum & cvs - Common Horsechestnut.....	300.35	
32 93 43 00-0400 EA 3-1/2" Caliper Aesculus hippocastanum & cvs - Common Horsechestnut.....	341.30	
32 93 43 00-0401 EA 4" Caliper Aesculus hippocastanum & cvs - Common Horsechestnut.....	409.57	
32 93 43 00-0402 EA 2" Caliper Aesculus x carnea - Red Horsechestnut.....	238.91	
32 93 43 00-0403 EA 2-1/2" Caliper Aesculus x carnea - Red Horsechestnut.....	266.22	
32 93 43 00-0404 EA 3" Caliper Aesculus x carnea - Red Horsechestnut.....	300.35	
32 93 43 00-0405 EA 3-1/2" Caliper Aesculus x carnea - Red Horsechestnut.....	341.30	
32 93 43 00-0406 EA 4" Caliper Aesculus x carnea - Red Horsechestnut.....	409.57	
32 93 43 00-0407 EA 2" Caliper Alnus glutinosa - Common Alder, Black Alder.....	170.65	
32 93 43 00-0408 EA 2-1/2" Caliper Alnus glutinosa - Common Alder, Black Alder.....	197.96	
32 93 43 00-0409 EA 3" Caliper Alnus glutinosa - Common Alder, Black Alder.....	225.26	
32 93 43 00-0410 EA 3-1/2" Caliper Alnus glutinosa - Common Alder, Black Alder.....	259.39	
32 93 43 00-0411 EA 8' Clump Form Alnus glutinosa - Common Alder, Black Alder.....	177.48	
32 93 43 00-0412 EA 10' Clump Form Alnus glutinosa - Common Alder, Black Alder.....	218.43	
32 93 43 00-0413 EA 12' Clump Form Alnus glutinosa - Common Alder, Black Alder.....	245.74	
32 93 43 00-0414 EA 14' Clump Form Alnus glutinosa - Common Alder, Black Alder.....	273.04	
32 93 43 00-0415 EA 16' Clump Form Alnus glutinosa - Common Alder, Black Alder.....	307.17	
32 93 43 00-0416 EA 18' Clump Form Alnus glutinosa - Common Alder, Black Alder.....	341.30	
32 93 43 00-0417 EA 2" Caliper Betula nigra - River Birch.....	170.65	
32 93 43 00-0418 EA 2-1/2" Caliper Betula nigra - River Birch.....	193.25	
32 93 43 00-0419 EA 3" Caliper Betula nigra - River Birch.....	218.43	
32 93 43 00-0420 EA 3-1/2" Caliper Betula nigra - River Birch.....	273.04	
32 93 43 00-0421 EA 4" Caliper Betula nigra - River Birch.....	307.17	
32 93 43 00-0422 EA 4-1/2" Caliper Betula nigra - River Birch.....	341.30	
32 93 43 00-0423 EA 5" Caliper Betula nigra - River Birch.....	375.43	
32 93 43 00-0424 EA 8' Clump Form Betula nigra - River Birch.....	157.00	
32 93 43 00-0425 EA 10' Clump Form Betula nigra - River Birch.....	177.48	
32 93 43 00-0426 EA 12' Clump Form Betula nigra - River Birch.....	204.78	
32 93 43 00-0427 EA 14' Clump Form Betula nigra - River Birch.....	238.91	
32 93 43 00-0428 EA 16' Clump Form Betula nigra - River Birch.....	273.04	
32 93 43 00-0429 EA 12' Clump Form Betula platyphylla japonica & cvs - Asian White Birch.....	204.78	
32 93 43 00-0430 EA 14' Clump Form Betula platyphylla japonica & cvs - Asian White Birch.....	245.74	
32 93 43 00-0431 EA 16' Clump Form Betula platyphylla japonica & cvs - Asian White Birch.....	286.70	
32 93 43 00-0432 EA 18' Clump Form Betula platyphylla japonica & cvs - Asian White Birch.....	341.30	
32 93 43 00-0433 EA 20' Clump Form Betula platyphylla japonica & cvs - Asian White Birch.....	354.96	
32 93 43 00-0434 EA 10' - 12' Bursera Simaruba - Gumbo Limbo.....	86.35	
32 93 43 00-0435 EA 12' - 14' Bursera Simaruba - Gumbo Limbo.....	102.05	
32 93 43 00-0436 EA 14' - 16' Bursera Simaruba - Gumbo Limbo.....	141.30	
32 93 43 00-0437 EA 17' - 18' Bursera Simaruba - Gumbo Limbo.....	183.69	
32 93 43 00-0438 EA 19' - 20' Bursera Simaruba - Gumbo Limbo.....	204.10	
32 93 43 00-0439 EA 21' - 22' Bursera Simaruba - Gumbo Limbo.....	241.78	
32 93 43 00-0440 EA 2" Caliper Carpinus betulus & cvs - European Hornbeam.....	273.04	
32 93 43 00-0441 EA 2-1/2" Caliper Carpinus betulus & cvs - European Hornbeam.....	307.17	
32 93 43 00-0442 EA 3" Caliper Carpinus betulus & cvs - European Hornbeam.....	354.96	
32 93 43 00-0443 EA 3-1/2" Caliper Carpinus betulus & cvs - European Hornbeam.....	430.04	
32 93 43 00-0444 EA 6' Clump Form Carpinus betulus & cvs - European Hornbeam.....	122.87	
32 93 43 00-0445 EA 7' Clump Form Carpinus betulus & cvs - European Hornbeam.....	170.65	
32 93 43 00-0446 EA 8' Clump Form Carpinus betulus & cvs - European Hornbeam.....	211.61	
32 93 43 00-0447 EA 2" Caliper Catalpa speciosa - Western Catalpa.....	150.17	
32 93 43 00-0448 EA 2-1/2" Caliper Catalpa speciosa - Western Catalpa.....	204.78	
32 93 43 00-0449 EA 3" Caliper Catalpa speciosa - Western Catalpa.....	266.22	
32 93 43 00-0450 EA 3-1/2" Caliper Catalpa speciosa - Western Catalpa.....	320.83	
32 93 43 00-0451 EA 4" Caliper Catalpa speciosa - Western Catalpa.....	368.61	
32 93 43 00-0452 EA 2" Caliper Celtis occidentalis & cvs - Common Hackberry.....	191.13	
32 93 43 00-0453 EA 2-1/2" Caliper Celtis occidentalis & cvs - Common Hackberry.....	218.43	
32 93 43 00-0454 EA 3" Caliper Celtis occidentalis & cvs - Common Hackberry.....	266.22	
32 93 43 00-0455 EA 3-1/2" Caliper Celtis occidentalis & cvs - Common Hackberry.....	314.00	
32 93 43 00-0456 EA 4" Caliper Celtis occidentalis & cvs - Common Hackberry.....	361.78	
32 93 43 00-0457 EA 4-1/2" Caliper Celtis occidentalis & cvs - Common Hackberry.....	409.57	
32 93 43 00-0458 EA 3" Caliper Cercidiphyllum japonicum - Katsuratree.....	238.91	
32 93 43 00-0459 EA 3-1/2" Caliper Cercidiphyllum japonicum - Katsuratree.....	273.04	
32 93 43 00-0460 EA 4" Caliper Cercidiphyllum japonicum - Katsuratree.....	320.83	
32 93 43 00-0461 EA 5" Caliper Cercidiphyllum japonicum - Katsuratree.....	382.26	
32 93 43 00-0462 EA 6' Clump Form Cercidiphyllum japonicum - Katsuratree.....	191.13	
32 93 43 00-0463 EA 7' Clump Form Cercidiphyllum japonicum - Katsuratree.....	225.26	
32 93 43 00-0464 EA 8' Clump Form Cercidiphyllum japonicum - Katsuratree.....	273.04	
32 93 43 00-0465 EA 10' Clump Form Cercidiphyllum japonicum - Katsuratree.....	341.30	
32 93 43 00-0466 EA 12' Clump Form Cercidiphyllum japonicum - Katsuratree.....	409.57	
32 93 43 00-0467 EA 2" Caliper Cladrastus lutea - American Yellowwood.....	341.30	
32 93 43 00-0468 EA 2-1/2" Caliper Cladrastus lutea - American Yellowwood.....	409.57	
32 93 43 00-0469 EA 3" Caliper Cladrastus lutea - American Yellowwood.....	477.83	
32 93 43 00-0470 EA 3-1/2" Caliper Cladrastus lutea - American Yellowwood.....	546.09	
32 93 43 00-0471 EA 2" Caliper Corylus columna californica - Western Turkish Filbert.....	211.61	
32 93 43 00-0472 EA 2-1/2" Caliper Corylus columna californica - Western Turkish Filbert.....	238.91	
32 93 43 00-0473 EA 3" Caliper Corylus columna californica - Western Turkish Filbert.....	273.04	

32 Exterior Improvements**32 90 Planting****32 93 Plants**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 43 00-0474 EA 3-1/2" Caliper Corylus columna californica - Western Turkish Filbert.....	314.00	
32 93 43 00-0475 EA 4" Caliper Corylus columna californica - Western Turkish Filbert.....	375.43	
32 93 43 00-0476 EA 4-1/2" Caliper Corylus columna californica - Western Turkish Filbert.....	436.87	
32 93 43 00-0477 EA 5" Caliper Corylus columna californica - Western Turkish Filbert.....	498.30	
32 93 43 00-0478 EA 8' Clump Form Corylus cornuta californica - Western Filbert.....	191.13	
32 93 43 00-0479 EA 10' Clump Form Corylus cornuta californica - Western Filbert.....	232.09	
32 93 43 00-0480 EA 12' Clump Form Corylus cornuta californica - Western Filbert.....	273.04	
32 93 43 00-0481 EA 14' Clump Form Corylus columna californica - Western Turkish Filbert.....	307.17	
32 93 43 00-0482 EA 16' Clump Form Corylus columna californica - Western Turkish Filbert.....	341.30	
32 93 43 00-0483 EA 1-1/2" Caliper Diospyros - Persimmon.....	122.87	
32 93 43 00-0484 EA 2" Caliper Diospyros - Persimmon.....	150.17	
32 93 43 00-0485 EA 2-1/2" Caliper Diospyros - Persimmon.....	191.13	
32 93 43 00-0486 EA 3" Caliper Diospyros - Persimmon.....	238.91	
32 93 43 00-0487 EA 3-1/2" Caliper Diospyros - Persimmon.....	286.70	
32 93 43 00-0488 EA 1-1/2" Caliper Fagus grandifolia - American Beech.....	273.04	
32 93 43 00-0489 EA 2" Caliper Fagus grandifolia - American Beech.....	354.96	
32 93 43 00-0490 EA 2-1/2" Caliper Fagus grandifolia - American Beech.....	450.52	
32 93 43 00-0491 EA 3" Caliper Fagus grandifolia - American Beech.....	546.09	
32 93 43 00-0492 EA 3-1/2" Caliper Fagus grandifolia - American Beech.....	648.48	
32 93 43 00-0493 EA 2" Caliper Fagus sylvatica & cvs - European Beech.....	307.17	
32 93 43 00-0494 EA 2-1/2" Caliper Fagus sylvatica & cvs - European Beech.....	368.61	
32 93 43 00-0495 EA 3" Caliper Fagus sylvatica & cvs - European Beech.....	443.70	
32 93 43 00-0496 EA 3-1/2" Caliper Fagus sylvatica & cvs - European Beech.....	491.48	
32 93 43 00-0497 EA 4" Caliper Fagus sylvatica & cvs - European Beech.....	580.22	
32 93 43 00-0498 EA 4-1/2" Caliper Fagus sylvatica & cvs - European Beech.....	750.87	
32 93 43 00-0499 EA 5" Caliper Fagus sylvatica & cvs - European Beech.....	887.39	
32 93 43 00-0500 EA 2" Caliper Fraxinus americana & cvs - White Ash.....	170.65	
32 93 43 00-0501 EA 2-1/2" Caliper Fraxinus americana & cvs - White Ash.....	204.78	
32 93 43 00-0502 EA 3" Caliper Fraxinus americana & cvs - White Ash.....	259.39	
32 93 43 00-0503 EA 3-1/2" Caliper Fraxinus americana & cvs - White Ash.....	314.00	
32 93 43 00-0504 EA 4" Caliper Fraxinus americana & cvs - White Ash.....	368.61	
32 93 43 00-0505 EA 4-1/2" Caliper Fraxinus americana & cvs - White Ash.....	409.57	
32 93 43 00-0506 EA 5" Caliper Fraxinus americana & cvs - White Ash.....	477.83	
32 93 43 00-0507 EA 2" Caliper Fraxinus pennsylvanica & cvs - Green Ash.....	150.17	
32 93 43 00-0508 EA 2-1/2" Caliper Fraxinus pennsylvanica & cvs - Green Ash.....	177.48	
32 93 43 00-0509 EA 3" Caliper Fraxinus pennsylvanica & cvs - Green Ash.....	238.91	
32 93 43 00-0510 EA 3-1/2" Caliper Fraxinus pennsylvanica & cvs - Green Ash.....	286.70	
32 93 43 00-0511 EA 4" Caliper Fraxinus pennsylvanica & cvs - Green Ash.....	341.30	
32 93 43 00-0512 EA 4-1/2" Caliper Fraxinus pennsylvanica & cvs - Green Ash.....	368.61	
32 93 43 00-0513 EA 5" Caliper Fraxinus pennsylvanica & cvs - Green Ash.....	409.57	
32 93 43 00-0514 EA 1-1/2" Caliper Fraxinus quadrangulata - Blue Ash.....	204.78	
32 93 43 00-0515 EA 2" Caliper Fraxinus quadrangulata - Blue Ash.....	252.57	
32 93 43 00-0516 EA 2-1/2" Caliper Fraxinus quadrangulata - Blue Ash.....	307.17	
32 93 43 00-0517 EA 3" Caliper Fraxinus quadrangulata - Blue Ash.....	375.43	
32 93 43 00-0518 EA 3-1/2" Caliper Fraxinus quadrangulata - Blue Ash.....	443.70	
32 93 43 00-0519 EA 1-1/2" Caliper Ginkgo biloba & cvs - Ginkgo (Maidenhair Tree).....	238.91	
32 93 43 00-0520 EA 2" Caliper Ginkgo biloba & cvs - Ginkgo (Maidenhair Tree).....	266.22	
32 93 43 00-0521 EA 2-1/2" Caliper Ginkgo biloba & cvs - Ginkgo (Maidenhair Tree).....	300.35	
32 93 43 00-0522 EA 3" Caliper Ginkgo biloba & cvs - Ginkgo (Maidenhair Tree).....	334.48	
32 93 43 00-0523 EA 3-1/2" Caliper Ginkgo biloba & cvs - Ginkgo (Maidenhair Tree).....	375.43	
32 93 43 00-0524 EA 4" Caliper Ginkgo biloba & cvs - Ginkgo (Maidenhair Tree).....	409.57	
32 93 43 00-0525 EA 4-1/2" Caliper Ginkgo biloba & cvs - Ginkgo (Maidenhair Tree).....	614.35	
32 93 43 00-0526 EA 5" Caliper Ginkgo biloba & cvs - Ginkgo (Maidenhair Tree).....	682.61	
32 93 43 00-0527 EA 2" Caliper Gleditsia triacanthos inermis & cvs - Thornless Common Honeylocust.....	163.83	
32 93 43 00-0528 EA 2-1/2" Caliper Gleditsia triacanthos inermis & cvs - Thornless Common Honeylocust.....	204.78	
32 93 43 00-0529 EA 3" Caliper Gleditsia triacanthos inermis & cvs - Thornless Common Honeylocust.....	245.74	
32 93 43 00-0530 EA 3-1/2" Caliper Gleditsia triacanthos inermis & cvs - Thornless Common Honeylocust.....	286.70	
32 93 43 00-0531 EA 4" Caliper Gleditsia triacanthos inermis & cvs - Thornless Common Honeylocust.....	327.65	
32 93 43 00-0532 EA 4-1/2" Caliper Gleditsia triacanthos inermis & cvs - Thornless Common Honeylocust.....	368.61	
32 93 43 00-0533 EA 5" Caliper Gleditsia triacanthos inermis & cvs - Thornless Common Honeylocust.....	436.87	
32 93 43 00-0534 EA 2" Caliper Gymnocladus dioicus - Kentucky Coffeetree.....	211.61	
32 93 43 00-0535 EA 2-1/2" Caliper Gymnocladus dioicus - Kentucky Coffeetree.....	259.39	
32 93 43 00-0536 EA 3" Caliper Gymnocladus dioicus - Kentucky Coffeetree.....	307.17	
32 93 43 00-0537 EA 3-1/2" Caliper Gymnocladus dioicus - Kentucky Coffeetree.....	361.78	
32 93 43 00-0538 EA 4" Caliper Gymnocladus dioicus - Kentucky Coffeetree.....	409.57	
32 93 43 00-0539 EA 4-1/2" Caliper Gymnocladus dioicus - Kentucky Coffeetree.....	457.35	
32 93 43 00-0540 EA 5" Caliper Gymnocladus dioicus - Kentucky Coffeetree.....	511.96	
32 93 43 00-0541 EA 1-1/2" Caliper Juglans cinerea - Butternut.....	163.83	
32 93 43 00-0542 EA 2" Caliper Juglans cinerea - Butternut.....	191.13	
32 93 43 00-0543 EA 2-1/2" Caliper Juglans cinerea - Butternut.....	238.91	
32 93 43 00-0544 EA 3" Caliper Juglans cinerea - Butternut.....	300.35	
32 93 43 00-0545 EA 3-1/2" Caliper Juglans cinerea - Butternut.....	368.61	
32 93 43 00-0546 EA 1-1/2" Caliper Juglans californica - California Walnut.....	163.83	
32 93 43 00-0547 EA 2" Caliper Juglans californica - California Walnut.....	191.13	
32 93 43 00-0548 EA 2-1/2" Caliper Juglans californica - California Walnut.....	238.91	
32 93 43 00-0549 EA 3" Caliper Juglans californica - California Walnut.....	300.35	
32 93 43 00-0550 EA 3-1/2" Caliper Juglans californica - California Walnut.....	368.61	
32 93 43 00-0551 EA 4" Caliper Juglans californica - California Walnut.....	443.70	
32 93 43 00-0552 EA 4-1/2" Caliper Juglans californica - California Walnut.....	511.96	
32 93 43 00-0553 EA 5" Caliper Juglans californica - California Walnut.....	580.22	
32 93 43 00-0554 EA 5 Gallon Koeleruteria Paniculata - Goldenrain Tree.....	18.48	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 43 00-0555 EA 15 Gallon Koelreuteria Paniculata - Goldenrain Tree	46.20	
32 93 43 00-0556 EA 20 Gallon Koelreuteria Paniculata - Goldenrain Tree	92.40	
32 93 43 00-0557 EA 55 Gallon Koelreuteria Paniculata - Goldenrain Tree	120.12	
32 93 43 00-0558 EA 1-1/2" To 2" Caliper Koelreuteria Paniculata - Goldenrain Tree	87.78	
32 93 43 00-0559 EA 2" To 2-1/2" Caliper Koelreuteria Paniculata - Goldenrain Tree	106.26	
32 93 43 00-0560 EA 2-1/2" To 3" Caliper Koelreuteria Paniculata - Goldenrain Tree	147.84	
32 93 43 00-0561 EA 1-1/2" Caliper Liquidambar styraciflua - American Sweetgum	218.43	
32 93 43 00-0562 EA 2" Caliper Liquidambar styraciflua - American Sweetgum	273.04	
32 93 43 00-0563 EA 2-1/2" Caliper Liquidambar styraciflua - American Sweetgum	341.30	
32 93 43 00-0564 EA 3" Caliper Liquidambar styraciflua - American Sweetgum	409.57	
32 93 43 00-0565 EA 3-1/2" Caliper Liquidambar styraciflua - American Sweetgum	477.83	
32 93 43 00-0566 EA 1-1/2" Caliper Liriodendron tulipifera - Tulip Tree	218.43	
32 93 43 00-0567 EA 2" Caliper Liriodendron tulipifera - Tulip Tree	300.35	
32 93 43 00-0568 EA 2-1/2" Caliper Liriodendron tulipifera - Tulip Tree	354.96	
32 93 43 00-0569 EA 3" Caliper Liriodendron tulipifera - Tulip Tree	409.57	
32 93 43 00-0570 EA 3-1/2" Caliper Liriodendron tulipifera - Tulip Tree	464.17	
32 93 43 00-0571 EA 8' Clump Form Liriodendron tulipifera - Tulip Tree	163.83	
32 93 43 00-0572 EA 10' Clump Form Liriodendron tulipifera - Tulip Tree	293.52	
32 93 43 00-0573 EA 12' Clump Form Liriodendron tulipifera - Tulip Tree	354.96	
32 93 43 00-0574 EA 1-1/2" Caliper Nyssa sylvatica - Black Tupelo Sour Gum	218.43	
32 93 43 00-0575 EA 2" Caliper Nyssa sylvatica - Black Tupelo Sour Gum	273.04	
32 93 43 00-0576 EA 2-1/2" Caliper Nyssa sylvatica - Black Tupelo Sour Gum	341.30	
32 93 43 00-0577 EA 3" Caliper Nyssa sylvatica - Black Tupelo Sour Gum	409.57	
32 93 43 00-0578 EA 3-1/2" Caliper Nyssa sylvatica - Black Tupelo Sour Gum	477.83	
32 93 43 00-0579 EA 4' Clump Form Nyssa sylvatica - Black Tupelo Sour Gum	95.57	
32 93 43 00-0580 EA 5' Clump Form Nyssa sylvatica - Black Tupelo Sour Gum	109.22	
32 93 43 00-0581 EA 6' Clump Form Nyssa sylvatica - Black Tupelo Sour Gum	129.70	
32 93 43 00-0582 EA 7' Clump Form Nyssa sylvatica - Black Tupelo Sour Gum	163.83	
32 93 43 00-0583 EA 8' Clump Form Nyssa sylvatica - Black Tupelo Sour Gum	204.78	
32 93 43 00-0584 EA 2" Caliper Ostrya virginiana - American Hophornbeam	177.48	
32 93 43 00-0585 EA 2-1/2" Caliper Ostrya virginiana - American Hophornbeam	225.26	
32 93 43 00-0586 EA 3" Caliper Ostrya virginiana - American Hophornbeam	273.04	
32 93 43 00-0587 EA 3-1/2" Caliper Ostrya virginiana - American Hophornbeam	320.83	
32 93 43 00-0588 EA 4" Caliper Ostrya virginiana - American Hophornbeam	389.09	
32 93 43 00-0589 EA 2" Caliper Phellodendron amurense - Amur Corktree	136.52	
32 93 43 00-0590 EA 2-1/2" Caliper Phellodendron amurense - Amur Corktree	170.65	
32 93 43 00-0591 EA 3" Caliper Phellodendron amurense - Amur Corktree	204.78	
32 93 43 00-0592 EA 3-1/2" Caliper Phellodendron amurense - Amur Corktree	238.91	
32 93 43 00-0593 EA 4" Caliper Phellodendron amurense - Amur Corktree	273.04	
32 93 43 00-0594 EA 4-1/2" Caliper Phellodendron amurense - Amur Corktree	307.17	
32 93 43 00-0595 EA 5" Caliper Phellodendron amurense - Amur Corktree	341.30	
32 93 43 00-0596 EA 30" Box Platanus Occidentalis - Buttonwood Sycamore	296.56	
32 93 43 00-0597 EA 36" Box Platanus Occidentalis - Buttonwood Sycamore	431.36	
32 93 43 00-0598 EA 42" Box Platanus occidentalis - Buttonwood Sycamore	641.68	
32 93 43 00-0599 EA 1-1/2" To 2" Caliper Platanus occidentalis - Buttonwood Sycamore	99.23	
32 93 43 00-0600 EA 2" To 2-1/2" Caliper Platanus occidentalis - Buttonwood Sycamore	118.63	
32 93 43 00-0601 EA 2-1/2" To 3" Caliper Platanus occidentalis - Buttonwood Sycamore	161.76	
32 93 43 00-0602 EA 3" To 3-1/2" Caliper Platanus occidentalis - Buttonwood Sycamore	196.30	
32 93 43 00-0603 EA 8' To 10' Platanus occidentalis - Green Or Silver Buttonwood	81.64	
32 93 43 00-0604 EA 10' To 12' Platanus occidentalis - Green Or Silver Buttonwood	102.05	
32 93 43 00-0605 EA 12' To 14' Platanus occidentalis - Green Or Silver Buttonwood	180.55	
32 93 43 00-0606 EA 16' To 18' Platanus occidentalis - Green Or Silver Buttonwood	259.05	
32 93 43 00-0607 EA 2" Caliper Platanus x acerifolia & cvs - London Planetree	163.83	
32 93 43 00-0608 EA 2-1/2" Caliper Platanus x acerifolia & cvs - London Planetree	197.96	
32 93 43 00-0609 EA 3" Caliper Platanus x acerifolia & cvs - London Planetree	238.91	
32 93 43 00-0610 EA 3-1/2" Caliper Platanus x acerifolia & cvs - London Planetree	286.70	
32 93 43 00-0611 EA 4" Caliper Platanus x acerifolia & cvs - London Planetree	341.30	
32 93 43 00-0612 EA 2" Caliper Populus alba & cvs - White Poplar	163.83	
32 93 43 00-0613 EA 2-1/2" Caliper Populus alba & cvs - White Poplar	191.13	
32 93 43 00-0614 EA 3" Caliper Populus alba & cvs - White Poplar	218.43	
32 93 43 00-0615 EA 3-1/2" Caliper Populus alba & cvs - White Poplar	259.39	
32 93 43 00-0616 EA 4" Caliper Populus alba & cvs - White Poplar	286.70	
32 93 43 00-0617 EA 4-1/2" Caliper Populus alba & cvs - White Poplar	327.65	
32 93 43 00-0618 EA 2" Caliper Populus deltoides & cvs - Eastern Cottonwood	150.17	
32 93 43 00-0619 EA 2-1/2" Caliper Populus deltoides & cvs - Eastern Cottonwood	197.96	
32 93 43 00-0620 EA 3" Caliper Populus deltoides & cvs - Eastern Cottonwood	238.91	
32 93 43 00-0621 EA 3-1/2" Caliper Populus deltoides & cvs - Eastern Cottonwood	286.70	
32 93 43 00-0622 EA 4" Caliper Populus deltoides & cvs - Eastern Cottonwood	341.30	
32 93 43 00-0623 EA 6' To 8' Quercus acutissima - Sawtooth Oak	51.33	
32 93 43 00-0624 EA 8' To 10' Quercus acutissima - Sawtooth Oak	77.00	
32 93 43 00-0625 EA 10' To 12' Quercus acutissima - Sawtooth Oak	89.84	
32 93 43 00-0626 EA 1-1/2" To 2" Caliper Quercus acutissima - Sawtooth Oak	102.67	
32 93 43 00-0627 EA 2" To 2-1/2" Caliper Quercus acutissima - Sawtooth Oak	115.50	
32 93 43 00-0628 EA 2" Caliper Quercus alba - White Oak	204.78	
32 93 43 00-0629 EA 2-1/2" Caliper Quercus alba - White Oak	238.91	
32 93 43 00-0630 EA 3" Caliper Quercus alba - White Oak	300.35	
32 93 43 00-0631 EA 3-1/2" Caliper Quercus alba - White Oak	375.43	
32 93 43 00-0632 EA 4" Caliper Quercus alba - White Oak	443.70	
32 93 43 00-0633 EA 4-1/2" Caliper Quercus alba - White Oak	546.09	
32 93 43 00-0634 EA 5" Caliper Quercus alba - White Oak	648.48	
32 93 43 00-0635 EA 2" Caliper Quercus bicolor - Swamp White Oak	238.91	

32 Exterior Improvements**32 90 Planting****32 93 Plants**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

32 93 43 00-0636	EA	2-1/2" Caliper Quercus bicolor - Swamp White Oak	273.04	
32 93 43 00-0637	EA	3" Caliper Quercus bicolor - Swamp White Oak	314.00	
32 93 43 00-0638	EA	3-1/2" Caliper Quercus bicolor - Swamp White Oak	348.13	
32 93 43 00-0639	EA	4" Caliper Quercus bicolor - Swamp White Oak	395.91	
32 93 43 00-0640	EA	4-1/2" Caliper Quercus bicolor - Swamp White Oak	436.87	
32 93 43 00-0641	EA	5" Caliper Quercus bicolor - Swamp White Oak	491.48	
32 93 43 00-0642	EA	10' Clump Form Quercus bicolor - Swamp White Oak	341.30	
32 93 43 00-0643	EA	12' Clump Form Quercus bicolor - Swamp White Oak	409.57	
32 93 43 00-0644	EA	14' Clump Form Quercus bicolor - Swamp White Oak	477.83	
32 93 43 00-0645	EA	16' Clump Form Quercus bicolor - Swamp White Oak	546.09	
32 93 43 00-0646	EA	2" Caliper Quercus coccinea - Scarlet Oak	177.48	
32 93 43 00-0647	EA	2-1/2" Caliper Quercus coccinea - Scarlet Oak	225.26	
32 93 43 00-0648	EA	3" Caliper Quercus coccinea - Scarlet Oak	279.87	
32 93 43 00-0649	EA	3-1/2" Caliper Quercus coccinea - Scarlet Oak	341.30	
32 93 43 00-0650	EA	4" Caliper Quercus coccinea - Scarlet Oak	409.57	
32 93 43 00-0651	EA	4-1/2" Caliper Quercus coccinea - Scarlet Oak	484.65	
32 93 43 00-0652	EA	5" Caliper Quercus coccinea - Scarlet Oak	566.57	
32 93 43 00-0653	EA	1-1/2" Caliper Quercus imbricaria - Shingle Oak	177.48	
32 93 43 00-0654	EA	2" Caliper Quercus imbricaria - Shingle Oak	238.91	
32 93 43 00-0655	EA	2-1/2" Caliper Quercus imbricaria - Shingle Oak	320.83	
32 93 43 00-0656	EA	3" Caliper Quercus imbricaria - Shingle Oak	477.83	
32 93 43 00-0657	EA	3-1/2" Caliper Quercus imbricaria - Shingle Oak	648.48	
32 93 43 00-0658	EA	1-1/2" Caliper Quercus macrocarpa - Bur Oak	177.48	
32 93 43 00-0659	EA	2" Caliper Quercus macrocarpa - Bur Oak	211.61	
32 93 43 00-0660	EA	2-1/2" Caliper Quercus macrocarpa - Bur Oak	252.57	
32 93 43 00-0661	EA	3" Caliper Quercus macrocarpa - Bur Oak	307.17	
32 93 43 00-0662	EA	3-1/2" Caliper Quercus macrocarpa - Bur Oak	375.43	
32 93 43 00-0663	EA	4" Caliper Quercus macrocarpa - Bur Oak	443.70	
32 93 43 00-0664	EA	9' Clump Form Quercus macrocarpa - Bur Oak	409.57	
32 93 43 00-0665	EA	10' Clump Form Quercus macrocarpa - Bur Oak	477.83	
32 93 43 00-0666	EA	12' Clump Form Quercus macrocarpa - Bur Oak	546.09	
32 93 43 00-0667	EA	2" Caliper Quercus palustris - Pin Oak	150.17	
32 93 43 00-0668	EA	2-1/2" Caliper Quercus palustris - Pin Oak	204.78	
32 93 43 00-0669	EA	3" Caliper Quercus palustris - Pin Oak	266.22	
32 93 43 00-0670	EA	3-1/2" Caliper Quercus palustris - Pin Oak	307.17	
32 93 43 00-0671	EA	4" Caliper Quercus palustris - Pin Oak	354.96	
32 93 43 00-0672	EA	4-1/2" Caliper Quercus palustris - Pin Oak	402.74	
32 93 43 00-0673	EA	5" Caliper Quercus palustris - Pin Oak	443.70	
32 93 43 00-0674	EA	2" Caliper Quercus robur & cvs - English Oak	177.48	
32 93 43 00-0675	EA	2-1/2" Caliper Quercus robur & cvs - English Oak	218.43	
32 93 43 00-0676	EA	3" Caliper Quercus robur & cvs - English Oak	259.39	
32 93 43 00-0677	EA	3-1/2" Caliper Quercus robur & cvs - English Oak	307.17	
32 93 43 00-0678	EA	4" Caliper Quercus robur & cvs - English Oak	354.96	
32 93 43 00-0679	EA	4-1/2" Caliper Quercus robur & cvs - English Oak	409.57	
32 93 43 00-0680	EA	5" Caliper Quercus robur & cvs - English Oak	464.17	
32 93 43 00-0681	EA	2" Caliper Quercus rubra - Red Oak	204.78	
32 93 43 00-0682	EA	2-1/2" Caliper Quercus rubra - Red Oak	238.91	
32 93 43 00-0683	EA	3" Caliper Quercus rubra - Red Oak	286.70	
32 93 43 00-0684	EA	3-1/2" Caliper Quercus rubra - Red Oak	341.30	
32 93 43 00-0685	EA	4" Caliper Quercus rubra - Red Oak	409.57	
32 93 43 00-0686	EA	4-1/2" Caliper Quercus rubra - Red Oak	477.83	
32 93 43 00-0687	EA	5" Caliper Quercus rubra - Red Oak	546.09	
32 93 43 00-0688	EA	16' Clump Form Quercus rubra - Red Oak	443.70	
32 93 43 00-0689	EA	18' Clump Form Quercus rubra - Red Oak	532.43	
32 93 43 00-0690	EA	20' Clump Form Quercus rubra - Red Oak	593.87	
32 93 43 00-0691	EA	2" Caliper Quercus shumardii - Shumard Oak	232.09	
32 93 43 00-0692	EA	2-1/2" Caliper Quercus shumardii - Shumard Oak	293.52	
32 93 43 00-0693	EA	3" Caliper Quercus shumardii - Shumard Oak	341.30	
32 93 43 00-0694	EA	3-1/2" Caliper Quercus shumardii - Shumard Oak	409.57	
32 93 43 00-0695	EA	4" Caliper Quercus shumardii - Shumard Oak	477.83	
32 93 43 00-0696	EA	4-1/2" Caliper Quercus shumardii - Shumard Oak	546.09	
32 93 43 00-0697	EA	5" Caliper Quercus shumardii - Shumard Oak	614.35	
32 93 43 00-0698	EA	3" To 3-1/2" Caliper Quercus virginiana - Live Oak	406.57	
32 93 43 00-0699	EA	3-1/2" To 4" Caliper Quercus virginiana - Live Oak	547.93	
32 93 43 00-0700	EA	4" To 4-1/2" Caliper Quercus virginiana - Live Oak	741.04	
32 93 43 00-0701	EA	4-1/2" To 5" Caliper Quercus virginiana - Live Oak	989.10	
32 93 43 00-0702	EA	5" To 5-1/2" Caliper Quercus virginiana - Live Oak	1,193.20	
32 93 43 00-0703	EA	5-1/2" To 6" Caliper Quercus virginiana - Live Oak	1,318.80	
32 93 43 00-0704	EA	6" To 6-1/2" Caliper Quercus virginiana - Live Oak	1,774.10	
32 93 43 00-0705	EA	6-1/2" To 7" Caliper Quercus virginiana - Live Oak	2,229.40	
32 93 43 00-0706	EA	7" To 7-1/2" Caliper Quercus virginiana - Live Oak	2,684.70	
32 93 43 00-0707	EA	7-1/2" To 8" Caliper Quercus virginiana - Live Oak	3,257.75	
32 93 43 00-0708	EA	8" To 8-1/2" Caliper Quercus virginiana - Live Oak	3,830.80	
32 93 43 00-0709	EA	2" Caliper Quercus schuettii - Swamp Bur Oak	204.78	
32 93 43 00-0710	EA	2-1/2" Caliper Quercus schuettii - Swamp Bur Oak	245.74	
32 93 43 00-0711	EA	3" Caliper Quercus schuettii - Swamp Bur Oak	307.17	
32 93 43 00-0712	EA	3-1/2" Caliper Quercus schuettii - Swamp Bur Oak	375.43	
32 93 43 00-0713	EA	4" Caliper Quercus schuettii - Swamp Bur Oak	436.87	
32 93 43 00-0714	EA	4-1/2" Caliper Quercus schuettii - Swamp Bur Oak	491.48	
32 93 43 00-0715	EA	2" Caliper Salix alba & cvs - White Willow	109.22	
32 93 43 00-0716	EA	2-1/2" Caliper Salix alba & cvs - White Willow	129.70	



Exterior Improvements 32

Planting 32 90

Plants 32 93

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MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 43 00-0717	EA		3" Caliper Salix alba & cvs - White Willow	170.65	
32 93 43 00-0718	EA		3-1/2" Caliper Salix alba & cvs - White Willow	204.78	
32 93 43 00-0719	EA		4" Caliper Salix alba & cvs - White Willow	245.74	
32 93 43 00-0720	EA		4-1/2" Caliper Salix alba & cvs - White Willow	286.70	
32 93 43 00-0721	EA		5" Caliper Salix alba & cvs - White Willow	327.65	
32 93 43 00-0722	EA		24" Box Salix babylonica - Weeping Willow	172.54	
32 93 43 00-0723	EA		36" Box Salix babylonica - Weeping Willow	431.36	
32 93 43 00-0724	EA		1-1/2" To 2" Caliper Salix babylonica - Weeping Willow	99.23	
32 93 43 00-0725	EA		2" To 2-1/2" Caliper Salix babylonica - Weeping Willow	118.63	
32 93 43 00-0726	EA		2-1/2" To 3" Caliper Salix babylonica - Weeping Willow	129.41	
32 93 43 00-0727	EA		5' Clump Form Sassafras albidum - Common Sassafras	129.70	
32 93 43 00-0728	EA		6' Clump Form Sassafras albidum - Common Sassafras	157.00	
32 93 43 00-0729	EA		7' Clump Form Sassafras albidum - Common Sassafras	197.96	
32 93 43 00-0730	EA		8' Clump Form Sassafras albidum - Common Sassafras	225.26	
32 93 43 00-0731	EA		10' Clump Form Sassafras albidum - Common Sassafras	252.57	
32 93 43 00-0732	EA		12' Clump Form Sassafras albidum - Common Sassafras	307.17	
32 93 43 00-0733	EA		14' Clump Form Sassafras albidum - Common Sassafras	375.43	
32 93 43 00-0734	EA		16' Clump Form Sassafras albidum - Common Sassafras	443.70	
32 93 43 00-0735	EA		1-3/4" Caliper Sophora japonica - Chinese Scholar	226.08	
32 93 43 00-0736	EA		2" Caliper Sophora japonica - Chinese Scholar	251.20	
32 93 43 00-0737	EA		2-1/2" Caliper Sophora japonica - Chinese Scholar	337.55	
32 93 43 00-0738	EA		3" Caliper Sophora japonica - Chinese Scholar	439.60	
32 93 43 00-0739	EA		3-1/2" Caliper Sophora japonica - Chinese Scholar	510.25	
32 93 43 00-0740	EA		10' To 12' Swietenia Mahagoni - Mahogany	120.89	
32 93 43 00-0741	EA		12' To 14' Swietenia Mahagoni - Mahogany	141.30	
32 93 43 00-0742	EA		14' To 16' Swietenia Mahagoni - Mahogany	188.40	
32 93 43 00-0743	EA		16' To 18' Swietenia Mahagoni - Mahogany	211.95	
32 93 43 00-0744	EA		2" Caliper Taxodium distichum - Common Bald Cypress	170.65	
32 93 43 00-0745	EA		2-1/2" Caliper Taxodium distichum - Common Bald Cypress	197.96	
32 93 43 00-0746	EA		3" Caliper Taxodium distichum - Common Bald Cypress	238.91	
32 93 43 00-0747	EA		3-1/2" Caliper Taxodium distichum - Common Bald Cypress	273.04	
32 93 43 00-0748	EA		4" Caliper Taxodium distichum - Common Bald Cypress	300.35	
32 93 43 00-0749	EA		6' Clump Form Taxodium distichum - Common Bald Cypress	150.17	
32 93 43 00-0750	EA		7' Clump Form Taxodium distichum - Common Bald Cypress	170.65	
32 93 43 00-0751	EA		8' Clump Form Taxodium distichum - Common Bald Cypress	245.74	
32 93 43 00-0752	EA		10' Clump Form Taxodium distichum - Common Bald Cypress	273.04	
32 93 43 00-0753	EA		12' Clump Form Taxodium distichum - Common Bald Cypress	307.17	
32 93 43 00-0754	EA		14' Clump Form Taxodium distichum - Common Bald Cypress	354.96	
32 93 43 00-0755	EA		16' Clump Form Taxodium distichum - Common Bald Cypress	409.57	
32 93 43 00-0756	EA		2' Thuja occidentalis - American Arborvitae	23.39	
32 93 43 00-0757	EA		2-1/2" Thuja occidentalis - American Arborvitae	25.28	
32 93 43 00-0758	EA		3' Thuja occidentalis - American Arborvitae	36.11	
32 93 43 00-0759	EA		4' Thuja occidentalis - American Arborvitae	49.61	
32 93 43 00-0760	EA		5' Thuja occidentalis - American Arborvitae	69.08	
32 93 43 00-0761	EA		6' Thuja occidentalis - American Arborvitae	95.77	
32 93 43 00-0762	EA		7' Thuja occidentalis - American Arborvitae	116.18	
32 93 43 00-0763	EA		8' Thuja occidentalis - American Arborvitae	163.28	
32 93 43 00-0764	EA		2" Caliper Tilia americana & cvs - American Linden Basswood	170.65	
32 93 43 00-0765	EA		2-1/2" Caliper Tilia americana & cvs - American Linden Basswood	197.96	
32 93 43 00-0766	EA		3" Caliper Tilia americana & cvs - American Linden Basswood	252.57	
32 93 43 00-0767	EA		3-1/2" Caliper Tilia americana & cvs - American Linden Basswood	293.52	
32 93 43 00-0768	EA		4" Caliper Tilia americana & cvs - American Linden Basswood	334.48	
32 93 43 00-0769	EA		4-1/2" Caliper Tilia americana & cvs - American Linden Basswood	375.43	
32 93 43 00-0770	EA		5" Caliper Tilia americana & cvs - American Linden Basswood	409.57	
32 93 43 00-0771	EA		10' Clump Form Tilia americana & cvs - American Linden Basswood	218.43	
32 93 43 00-0772	EA		12' Clump Form Tilia americana & cvs - American Linden Basswood	238.91	
32 93 43 00-0773	EA		14' Clump Form Tilia americana & cvs - American Linden Basswood	273.04	
32 93 43 00-0774	EA		16' Clump Form Tilia americana & cvs - American Linden Basswood	314.00	
32 93 43 00-0775	EA		2" Caliper Tilia cordata & cvs - Littleleaf Linden	171.68	
32 93 43 00-0776	EA		2-1/2" Caliper Tilia cordata & cvs - Littleleaf Linden	207.38	
32 93 43 00-0777	EA		3" Caliper Tilia cordata & cvs - Littleleaf Linden	238.91	
32 93 43 00-0778	EA		3-1/2" Caliper Tilia cordata & cvs - Littleleaf Linden	293.52	
32 93 43 00-0779	EA		4" Caliper Tilia cordata & cvs - Littleleaf Linden	334.48	
32 93 43 00-0780	EA		4-1/2" Caliper Tilia cordata & cvs - Littleleaf Linden	375.43	
32 93 43 00-0781	EA		5" Caliper Tilia cordata & cvs - Littleleaf Linden	416.39	
32 93 43 00-0782	EA		2" Caliper Tilia tomentosa & cvs - Silver Linden	191.13	
32 93 43 00-0783	EA		2-1/2" Caliper Tilia tomentosa & cvs - Silver Linden	211.61	
32 93 43 00-0784	EA		3" Caliper Tilia tomentosa & cvs - Silver Linden	232.09	
32 93 43 00-0785	EA		3-1/2" Caliper Tilia tomentosa & cvs - Silver Linden	259.39	
32 93 43 00-0786	EA		4" Caliper Tilia tomentosa & cvs - Silver Linden	300.35	
32 93 43 00-0787	EA		4-1/2" Caliper Tilia tomentosa & cvs - Silver Linden	354.96	
32 93 43 00-0788	EA		5" Caliper Tilia tomentosa & cvs - Silver Linden	464.17	
32 93 43 00-0789	EA		2" Caliper Tilia x euchlora - Crimean Linden	191.13	
32 93 43 00-0790	EA		2-1/2" Caliper Tilia x euchlora - Crimean Linden	245.74	
32 93 43 00-0791	EA		3" Caliper Tilia x euchlora - Crimean Linden	300.35	
32 93 43 00-0792	EA		3-1/2" Caliper Tilia x euchlora - Crimean Linden	341.30	
32 93 43 00-0793	EA		4" Caliper Tilia x euchlora - Crimean Linden	382.26	
32 93 43 00-0794	EA		4-1/2" Caliper Tilia x euchlora - Crimean Linden	430.04	
32 93 43 00-0795	EA		5" Caliper Tilia x euchlora - Crimean Linden	464.17	
32 93 43 00-0796	EA		2" Caliper Ulmus x 'Homestead' - Homestead Hybrid Elm	191.13	
32 93 43 00-0797	EA		2-1/2" Caliper Ulmus x 'Homestead' - Homestead Hybrid Elm	218.43	

32 Exterior Improvements**32 90 Planting****32 93 Plants**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

32 93 43 00-0798	EA	3" Caliper Ulmus x 'Homestead' - Homestead Hybrid Elm	238.91	
32 93 43 00-0799	EA	3-1/2" Caliper Ulmus x 'Homestead' - Homestead Hybrid Elm	259.39	
32 93 43 00-0800	EA	4" Caliper Ulmus x 'Homestead' - Homestead Hybrid Elm	286.70	
32 93 43 00-0801	EA	4-1/2" Caliper Ulmus x 'Homestead' - Homestead Hybrid Elm	341.30	
32 93 43 00-0802	EA	5" Caliper Ulmus x 'Homestead' - Homestead Hybrid Elm	402.74	
32 93 43 00-0803	EA	2" Caliper Ulmus x 'Pioneer' - Pioneer Hybrid Elm	218.43	
32 93 43 00-0804	EA	2-1/2" Caliper Ulmus x 'Pioneer' - Pioneer Hybrid Elm	238.91	
32 93 43 00-0805	EA	3" Caliper Ulmus x 'Pioneer' - Pioneer Hybrid Elm	259.39	
32 93 43 00-0806	EA	3-1/2" Caliper Ulmus x 'Pioneer' - Pioneer Hybrid Elm	286.70	
32 93 43 00-0807	EA	4" Caliper Ulmus x 'Pioneer' - Pioneer Hybrid Elm	341.30	
32 93 43 00-0808	EA	4-1/2" Caliper Ulmus x 'Pioneer' - Pioneer Hybrid Elm	402.74	
32 93 43 00-0809	EA	5" Caliper Ulmus x 'Pioneer' - Pioneer Hybrid Elm	464.17	
32 93 43 00-0810	EA	2" Caliper Ulmus x 'Regal' - Regal Hybrid Elm	218.43	
32 93 43 00-0811	EA	2-1/2" Mary-Louise Parker Ulmus x 'Regal' - Regal Hybrid Elm	238.91	
32 93 43 00-0812	EA	3" Caliper Ulmus x 'Regal' - Regal Hybrid Elm	259.39	
32 93 43 00-0813	EA	3-1/2" Caliper Ulmus x 'Regal' - Regal Hybrid Elm	286.70	
32 93 43 00-0814	EA	4" Caliper Ulmus x 'Regal' - Regal Hybrid Elm	341.30	
32 93 43 00-0815	EA	4-1/2" Caliper Ulmus x 'Regal' - Regal Hybrid Elm	402.74	
32 93 43 00-0816	EA	5" Caliper Ulmus x 'Regal' - Regal Hybrid Elm	464.17	
32 93 43 00-0817	EA	1-1/2" To 2" Caliper Zelkova serrata - Japanese Keaki Tree	105.65	
32 93 43 00-0818	EA	2" To 2-1/2" Caliper Zelkova serrata - Japanese Keaki Tree	129.41	
32 93 43 00-0819	EA	2-1/2" To 3" Caliper Zelkova serrata - Japanese Keaki Tree	163.96	

32 93 43 00-0820**Evergreen Trees** (32 93 43)

Note: All trees listed by caliper of trunk or height of tree if field grown, dug with spade, balled and burlapped and delivered to site.

32 93 43 00-0821	EA	6' Abies balsamea - Balsam Fir	80.83	
32 93 43 00-0822	EA	7' Abies balsamea - Balsam Fir	101.03	
32 93 43 00-0823	EA	8' Abies balsamea - Balsam Fir	121.24	
32 93 43 00-0824	EA	9' Abies balsamea - Balsam Fir	161.65	
32 93 43 00-0825	EA	10' Abies balsamea - Balsam Fir	202.07	
32 93 43 00-0826	EA	12' Abies balsamea - Balsam Fir	242.48	
32 93 43 00-0827	EA	6' Abies concolor - White Fir	117.20	
32 93 43 00-0828	EA	7' Abies concolor - White Fir	133.36	
32 93 43 00-0829	EA	8' Abies concolor - White Fir	157.61	
32 93 43 00-0830	EA	9' Abies concolor - White Fir	181.86	
32 93 43 00-0831	EA	10' Abies concolor - White Fir	214.19	
32 93 43 00-0832	EA	12' Abies concolor - White Fir	262.68	
32 93 43 00-0833	EA	14' Abies concolor - White Fir	323.30	
32 93 43 00-0834	EA	16' Abies concolor - White Fir	363.72	
32 93 43 00-0835	EA	6' Abies fraseri - Frasier Fir	80.83	
32 93 43 00-0836	EA	7' Abies fraseri - Frasier Fir	101.03	
32 93 43 00-0837	EA	8' Abies fraseri - Frasier Fir	121.24	
32 93 43 00-0838	EA	9' Abies fraseri - Frasier Fir	161.65	
32 93 43 00-0839	EA	10' Abies fraseri - Frasier Fir	202.07	
32 93 43 00-0840	EA	12' Abies fraseri - Frasier Fir	242.48	
32 93 43 00-0841	EA	2' To 3' Cedrus atlantica - Blue Atlas Cedar	14.56	
32 93 43 00-0842	EA	3' To 4' Cedrus atlantica - Blue Atlas Cedar	23.40	
32 93 43 00-0843	EA	4' To 5' Cedrus atlantica - Blue Atlas Cedar	34.77	
32 93 43 00-0844	EA	5' To 6' Cedrus atlantica - Blue Atlas Cedar	46.77	
32 93 43 00-0845	EA	7' To 8' Cedrus atlantica - Blue Atlas Cedar	66.41	
32 93 43 00-0846	EA	5 Gallon Cedrus deodara - Indian Cedar	8.33	
32 93 43 00-0847	EA	6' To 8' Cedrus deodara - Indian Cedar	60.09	
32 93 43 00-0848	EA	8' To 10' Cedrus deodara - Indian Cedar	69.57	
32 93 43 00-0849	EA	10' To 12' Cedrus deodara - Indian Cedar	94.85	
32 93 43 00-0850	EA	12' To 14' Cedrus deodara - Indian Cedar	123.30	
32 93 43 00-0851	EA	14' To 16' Cedrus deodara - Indian Cedar	158.10	
32 93 43 00-0852	EA	15" To 18" Chamaecyparis obtusa - Compact Hinoki Cypress	18.78	
32 93 43 00-0853	EA	18" To 24" Chamaecyparis obtusa - Compact Hinoki Cypress	28.17	
32 93 43 00-0854	EA	2' To 3' Chamaecyparis obtusa - Compact Hinoki Cypress	43.83	
32 93 43 00-0855	EA	3' To 4' Chamaecyparis obtusa - Compact Hinoki Cypress	75.13	
32 93 43 00-0856	EA	4' To 5' Chamaecyparis pisifera - Sawara Cypress	22.76	
32 93 43 00-0857	EA	5' To 6' Chamaecyparis pisifera - Sawara Cypress	35.44	
32 93 43 00-0858	EA	6' To 7' Chamaecyparis pisifera - Sawara Cypress	44.25	
32 93 43 00-0859	EA	7' To 8' Chamaecyparis pisifera - Sawara Cypress	63.25	
32 93 43 00-0860	EA	1 Gallon Cleyera japonica - Japanese Cleyera	2.56	
32 93 43 00-0861	EA	3 Gallon Cleyera japonica - Japanese Cleyera	6.43	
32 93 43 00-0862	EA	7 Gallon Cleyera japonica - Japanese Cleyera	18.41	
32 93 43 00-0863	EA	5 Gallon Cupressocyparis leylandii - Leyland Cypress	10.33	
32 93 43 00-0864	EA	15 Gallon Cupressocyparis leylandii - Leyland Cypress	41.33	
32 93 43 00-0865	EA	4' To 5' Cupressocyparis leylandii - Leyland Cypress	18.08	
32 93 43 00-0866	EA	5' To 6' Cupressocyparis leylandii - Leyland Cypress	23.25	
32 93 43 00-0867	EA	6' To 7' Cupressocyparis leylandii - Leyland Cypress	36.17	
32 93 43 00-0868	EA	24" Box Cupressocyparis leylandii - Leyland Cypress	87.83	
32 93 43 00-0869	EA	1 Gallon Cupressus macrocarpa - Monterey Cypress	1.88	
32 93 43 00-0870	EA	5 Gallon Cupressus macrocarpa - Monterey Cypress	8.48	
32 93 43 00-0871	EA	15 Gallon Cupressus macrocarpa - Monterey Cypress	28.26	
32 93 43 00-0872	EA	5 Gallon Cupressus sempervirens - Italian Cypress	9.73	
32 93 43 00-0873	EA	15 Gallon Cupressus sempervirens - Italian Cypress	26.74	
32 93 43 00-0874	EA	1 Gallon Illicium anisatum - Anise Tree	2.78	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 43 00-0875	EA	3	Gallon Illicium anisatum - Anise Tree	6.43	
32 93 43 00-0876	EA	1	Gallon Juniperus horizontalis "Bar Harbor" - Bar Harbor Juniper	2.86	
32 93 43 00-0877	EA	2	Gallon Juniperus horizontalis "Bar Harbor" - Bar Harbor Juniper	5.59	
32 93 43 00-0878	EA	3	Gallon Juniperus horizontalis "Bar Harbor" - Bar Harbor Juniper	6.93	
32 93 43 00-0879	EA	5	Gallon Juniperus horizontalis "Bar Harbor" - Bar Harbor Juniper	8.14	
32 93 43 00-0880	EA	1	Gallon Juniperus - Blue Sargent Juniper	2.86	
32 93 43 00-0881	EA	2	Gallon Juniperus - Blue Sargent Juniper	5.59	
32 93 43 00-0882	EA	3	Gallon Juniperus - Blue Sargent Juniper	6.93	
32 93 43 00-0883	EA	5	Gallon Juniperus - Blue Sargent Juniper	8.14	
32 93 43 00-0884	EA	5	Gallon Juniperus - Compact Pfitzer Juniper.....	8.14	
32 93 43 00-0885	EA	15"	To 18" Juniperus - Compact Pfitzer Juniper	8.81	
32 93 43 00-0886	EA	18"	To 24" Juniperus - Compact Pfitzer Juniper	10.64	
32 93 43 00-0887	EA	2'	To 2 1/2' Juniperus - Compact Pfitzer Juniper	15.80	
32 93 43 00-0888	EA	2-1/2'	To 3' Juniperus - Compact Pfitzer Juniper	18.30	
32 93 43 00-0889	EA	5'	To 6' Juniperus - Fairview Juniper	27.25	
32 93 43 00-0890	EA	1	Gallon Juniperus - Hollywood Juniper	3.65	
32 93 43 00-0891	EA	5	Gallon Juniperus - Hollywood Juniper	10.15	
32 93 43 00-0892	EA	15	Gallon Juniperus - Hollywood Juniper	43.03	
32 93 43 00-0893	EA	4'	To 5' Juniperus - Hollywood Juniper	28.45	
32 93 43 00-0894	EA	5'	To 6' Juniperus - Hollywood Juniper	36.65	
32 93 43 00-0895	EA	1	Gallon Juniperus - Parson's Juniper	2.86	
32 93 43 00-0896	EA	2	Gallon Juniperus - Parson's Juniper	5.65	
32 93 43 00-0897	EA	3	Gallon Juniperus - Parson's Juniper	6.99	
32 93 43 00-0898	EA	5	Gallon Juniperus - Parson's Juniper	8.27	
32 93 43 00-0899	EA	5	Gallon Juniperus - Skyrocket Juniper	10.21	
32 93 43 00-0900	EA	15	Gallon Juniperus - Skyrocket Juniper	43.46	
32 93 43 00-0901	EA	2'	To 3' Juniperus - Skyrocket Juniper	15.32	
32 93 43 00-0902	EA	3'	To 4' Juniperus - Skyrocket Juniper	21.70	
32 93 43 00-0903	EA	4'	To 5' Juniperus - Skyrocket Juniper	28.75	
32 93 43 00-0904	EA	5'	To 6' Juniperus - Skyrocket Juniper	37.08	
32 93 43 00-0905	EA	6'	To 8' Juniperus - Skyrocket Juniper	47.90	
32 93 43 00-0906	EA	1	Gallon Juniperus horizontalis "Wiltonii" - Blue Rug Juniper	2.86	
32 93 43 00-0907	EA	2	Gallon Juniperus horizontalis "Wiltonii" - Blue Rug Juniper	5.62	
32 93 43 00-0908	EA	3	Gallon Juniperus horizontalis "Wiltonii" - Blue Rug Juniper	6.90	
32 93 43 00-0909	EA	5	Gallon Juniperus horizontalis "Wiltonii" - Blue Rug Juniper	8.18	
32 93 43 00-0910	EA	1	Gallon Juniperus horizontalis "Plumosa" - Compact Andorra Juniper	2.86	
32 93 43 00-0911	EA	2	Gallon Juniperus horizontalis "Plumosa" - Compact Andorra Juniper	5.62	
32 93 43 00-0912	EA	3	Gallon Juniperus horizontalis "Plumosa" - Compact Andorra Juniper	6.90	
32 93 43 00-0913	EA	5	Gallon Juniperus horizontalis "Plumosa" - Compact Andorra Juniper	8.18	
32 93 43 00-0914	EA	2'	To 3' Juniperus virginiana - Eastern Red Cedar.....	15.32	
32 93 43 00-0915	EA	3'	To 4' Juniperus virginiana - Eastern Red Cedar.....	21.70	
32 93 43 00-0916	EA	4'	To 5' Juniperus virginiana - Eastern Red Cedar.....	28.75	
32 93 43 00-0917	EA	5'	To 6' Juniperus virginiana - Eastern Red Cedar.....	37.08	
32 93 43 00-0918	EA	5'	Picea abies & cvs - Norway Spruce	88.91	
32 93 43 00-0919	EA	6'	Picea abies & cvs - Norway Spruce	101.03	
32 93 43 00-0920	EA	7'	Picea abies & cvs - Norway Spruce	121.24	
32 93 43 00-0921	EA	8'	Picea abies & cvs - Norway Spruce	141.45	
32 93 43 00-0922	EA	9'	Picea abies & cvs - Norway Spruce	189.94	
32 93 43 00-0923	EA	10'	Picea abies & cvs - Norway Spruce	230.35	
32 93 43 00-0924	EA	12'	Picea abies & cvs - Norway Spruce	282.89	
32 93 43 00-0925	EA	14'	Picea abies & cvs - Norway Spruce	343.51	
32 93 43 00-0926	EA	6'	Picea glauca - White Spruce.....	84.87	
32 93 43 00-0927	EA	7'	Picea glauca - White Spruce.....	121.24	
32 93 43 00-0928	EA	8'	Picea glauca - White Spruce.....	141.45	
32 93 43 00-0929	EA	9'	Picea glauca - White Spruce.....	169.73	
32 93 43 00-0930	EA	10'	Picea glauca - White Spruce.....	202.07	
32 93 43 00-0931	EA	12'	Picea glauca - White Spruce.....	242.48	
32 93 43 00-0932	EA	4'	Picea glauca densata - Black Hills Spruce.....	48.50	
32 93 43 00-0933	EA	5'	Picea glauca densata - Black Hills Spruce.....	72.74	
32 93 43 00-0934	EA	6'	Picea glauca densata - Black Hills Spruce.....	109.12	
32 93 43 00-0935	EA	7'	Picea glauca densata - Black Hills Spruce.....	129.32	
32 93 43 00-0936	EA	8'	Picea glauca densata - Black Hills Spruce.....	149.53	
32 93 43 00-0937	EA	9'	Picea glauca densata - Black Hills Spruce.....	165.69	
32 93 43 00-0938	EA	10'	Picea glauca densata - Black Hills Spruce.....	181.86	
32 93 43 00-0939	EA	6'	Picea omorika & cvs - Serbian Spruce.....	109.12	
32 93 43 00-0940	EA	7'	Picea omorika & cvs - Serbian Spruce.....	121.24	
32 93 43 00-0941	EA	8'	Picea omorika & cvs - Serbian Spruce.....	145.49	
32 93 43 00-0942	EA	9'	Picea omorika & cvs - Serbian Spruce.....	169.73	
32 93 43 00-0943	EA	10'	Picea omorika & cvs - Serbian Spruce.....	193.98	
32 93 43 00-0944	EA	5'	Picea pungens - Colorado Green Spruce	88.91	
32 93 43 00-0945	EA	6'	Picea pungens - Colorado Green Spruce	113.16	
32 93 43 00-0946	EA	7'	Picea pungens - Colorado Green Spruce	133.36	
32 93 43 00-0947	EA	8'	Picea pungens - Colorado Green Spruce	153.57	
32 93 43 00-0948	EA	9'	Picea pungens - Colorado Green Spruce	177.82	
32 93 43 00-0949	EA	10'	Picea pungens - Colorado Green Spruce	335.43	
32 93 43 00-0950	EA	12'	Picea pungens - Colorado Green Spruce	242.48	
32 93 43 00-0951	EA	14'	Picea pungens - Colorado Green Spruce	282.89	
32 93 43 00-0952	EA	16'	Picea pungens - Colorado Green Spruce	363.72	
32 93 43 00-0953	EA	5'	Picea pungens glauca & cvs - Colorado Blue Spruce.....	88.91	
32 93 43 00-0954	EA	6'	Picea pungens glauca & cvs - Colorado Blue Spruce.....	121.24	
32 93 43 00-0955	EA	7'	Picea pungens glauca & cvs - Colorado Blue Spruce.....	141.45	

32 Exterior Improvements**32 90 Planting****32 93 Plants**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

32 93 43 00-0956	EA	8' Picea pungens glauca & cvs - Colorado Blue Spruce	161.65	
32 93 43 00-0957	EA	9' Picea pungens glauca & cvs - Colorado Blue Spruce	181.86	
32 93 43 00-0958	EA	10' Picea pungens glauca & cvs - Colorado Blue Spruce	222.27	
32 93 43 00-0959	EA	12' Picea pungens glauca & cvs - Colorado Blue Spruce	282.89	
32 93 43 00-0960	EA	16' Picea pungens glauca & cvs - Colorado Blue Spruce	424.34	
32 93 43 00-0961	EA	4' Pinus cembra - Swiss Stone Pine	68.70	
32 93 43 00-0962	EA	5' Pinus cembra - Swiss Stone Pine	84.87	
32 93 43 00-0963	EA	6' Pinus cembra - Swiss Stone Pine	105.07	
32 93 43 00-0964	EA	6' Pinus flexilis & cvs - Limber Pine	101.03	
32 93 43 00-0965	EA	7' Pinus flexilis & cvs - Limber Pine	117.20	
32 93 43 00-0966	EA	8' Pinus flexilis & cvs - Limber Pine	145.49	
32 93 43 00-0967	EA	9' Pinus flexilis & cvs - Limber Pine	177.82	
32 93 43 00-0968	EA	10' Pinus flexilis & cvs - Limber Pine	202.07	
32 93 43 00-0969	EA	2 Gallon Pinus mugo - Mugho Pine	7.96	
32 93 43 00-0970	EA	3 Gallon Pinus mugo - Mugho Pine	9.97	
32 93 43 00-0971	EA	5 Gallon Pinus mugo - Mugho Pine	12.64	
32 93 43 00-0972	EA	12" To 15" Spread Pinus mugo - Mugho Pine	9.79	
32 93 43 00-0973	EA	15" To 18" Spread Pinus mugo - Mugho Pine	11.67	
32 93 43 00-0974	EA	18" To 24" Spread Pinus mugo - Mugho Pine	15.80	
32 93 43 00-0975	EA	2' To 2-1/2' Spread Pinus mugo - Mugho Pine	22.13	
32 93 43 00-0976	EA	2-1/2' To 3' Spread Pinus mugo - Mugho Pine	28.45	
32 93 43 00-0977	EA	3' To 3-1/2' Spread Pinus mugo - Mugho Pine	35.44	
32 93 43 00-0978	EA	3-1/2' To 4' Spread Pinus mugo - Mugho Pine	43.03	
32 93 43 00-0979	EA	6' Pinus nigra - Austrian Pine	101.03	
32 93 43 00-0980	EA	7' Pinus nigra - Austrian Pine	121.24	
32 93 43 00-0981	EA	8' Pinus nigra - Austrian Pine	157.61	
32 93 43 00-0982	EA	9' Pinus nigra - Austrian Pine	181.86	
32 93 43 00-0983	EA	10' Pinus nigra - Austrian Pine	214.19	
32 93 43 00-0984	EA	12' Pinus nigra - Austrian Pine	242.48	
32 93 43 00-0985	EA	14' Pinus nigra - Austrian Pine	270.77	
32 93 43 00-0986	EA	16' Pinus nigra - Austrian Pine	307.14	
32 93 43 00-0987	EA	5' Pinus peuce - Macedonian Pine	125.28	
32 93 43 00-0988	EA	6' Pinus peuce - Macedonian Pine	157.61	
32 93 43 00-0989	EA	7' Pinus peuce - Macedonian Pine	181.86	
32 93 43 00-0990	EA	8' Pinus peuce - Macedonian Pine	206.11	
32 93 43 00-0991	EA	9' Pinus peuce - Macedonian Pine	238.44	
32 93 43 00-0992	EA	2' Pinus strobus - Pyramidal White Pine	11.19	
32 93 43 00-0993	EA	3' Pinus strobus - Pyramidal White Pine	14.95	
32 93 43 00-0994	EA	4' Pinus strobus - Pyramidal White Pine	16.50	
32 93 43 00-0995	EA	5' Pinus strobus - Pyramidal White Pine	18.04	
32 93 43 00-0996	EA	6' Pinus strobus - Pyramidal White Pine	22.48	
32 93 43 00-0997	EA	7' Pinus strobus - Pyramidal White Pine	29.91	
32 93 43 00-0998	EA	8' Pinus strobus - Pyramidal White Pine	41.10	
32 93 43 00-0999	EA	10' Pinus strobus - Pyramidal White Pine	82.01	
32 93 43 00-1000	EA	12' Pinus strobus - Pyramidal White Pine	194.89	
32 93 43 00-1001	EA	14' Pinus strobus - Pyramidal White Pine	261.47	
32 93 43 00-1002	EA	16' Pinus strobus - Pyramidal White Pine	314.53	
32 93 43 00-1003	EA	2' Pinus strobus - White Pine	17.20	
32 93 43 00-1004	EA	3' Pinus strobus - White Pine	24.54	
32 93 43 00-1005	EA	4' Pinus strobus - White Pine	39.13	
32 93 43 00-1006	EA	5' Pinus strobus - White Pine	55.77	
32 93 43 00-1007	EA	6' Pinus strobus - White Pine	81.80	
32 93 43 00-1008	EA	7' Pinus strobus - White Pine	97.60	
32 93 43 00-1009	EA	8' Pinus strobus - White Pine	131.99	
32 93 43 00-1010	EA	10' Pinus strobus - White Pine	177.53	
32 93 43 00-1011	EA	12' Pinus strobus - White Pine	235.16	
32 93 43 00-1012	EA	14' Pinus strobus - White Pine	288.14	
32 93 43 00-1013	EA	16' Pinus strobus - White Pine	350.42	
32 93 43 00-1014	EA	3' Pinus sylvestris - Scotch Pine	26.55	
32 93 43 00-1015	EA	4' Pinus sylvestris - Scotch Pine	36.86	
32 93 43 00-1016	EA	5' Pinus sylvestris - Scotch Pine	51.73	
32 93 43 00-1017	EA	6' Pinus sylvestris - Scotch Pine	71.77	
32 93 43 00-1018	EA	7' Pinus sylvestris - Scotch Pine	87.94	
32 93 43 00-1019	EA	8' Pinus sylvestris - Scotch Pine	124.15	
32 93 43 00-1020	EA	9' Pinus sylvestris - Scotch Pine	157.61	
32 93 43 00-1021	EA	10' Pinus sylvestris - Scotch Pine	181.86	
32 93 43 00-1022	EA	12' Pinus sylvestris - Scotch Pine	214.19	
32 93 43 00-1023	EA	14' Pinus sylvestris - Scotch Pine	242.48	
32 93 43 00-1024	EA	16' Pinus sylvestris - Scotch Pine	282.89	
32 93 43 00-1025	EA	5' To 6' Pinus taeda - Loblolly Pine	11.56	
32 93 43 00-1026	EA	1 Gallon Pinus thunbergiana - Japanese Black Pine	2.86	
32 93 43 00-1027	EA	5 Gallon Pinus thunbergiana - Japanese Black Pine	10.15	
32 93 43 00-1028	EA	15 Gallon Pinus thunbergiana - Japanese Black Pine	32.88	
32 93 43 00-1029	EA	2' To 3' Pinus thunbergiana - Japanese Black Pine	13.92	
32 93 43 00-1030	EA	3' To 4' Pinus thunbergiana - Japanese Black Pine	17.69	
32 93 43 00-1031	EA	4' To 5' Pinus thunbergiana - Japanese Black Pine	26.56	
32 93 43 00-1032	EA	5' To 6' Pinus thunbergiana - Japanese Black Pine	51.85	
32 93 43 00-1033	EA	6' To 7' Pinus Thunbergiana - Japanese Black Pine	58.17	
32 93 43 00-1034	EA	7' To 8' Pinus thunbergiana - Japanese Black Pine	72.70	
32 93 43 00-1035	EA	1 Gallon Pinus mugo - Mugho Pine	3.77	
32 93 43 00-1036	EA	1 Gallon Podocarpus - Chinese Podocarpus	1.88	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 43 00-1037	EA		3 Gallon Podocarpus - Chinese Podocarpus.....	4.38	
32 93 43 00-1038	EA		7 Gallon Podocarpus - Chinese Podocarpus.....	12.64	
32 93 43 00-1039	EA		15 Gallon Podocarpus - Chinese Podocarpus.....	20.54	
32 93 43 00-1040	EA		4' To 5' Podocarpus - Chinese Podocarpus.....	31.61	
32 93 43 00-1041	EA		5' Pseudotsuga menziesii - Douglas Fir.....	80.83	
32 93 43 00-1042	EA		6' Pseudotsuga menziesii - Douglas Fir.....	96.99	
32 93 43 00-1043	EA		7' Pseudotsuga menziesii - Douglas Fir.....	121.24	
32 93 43 00-1044	EA		8' Pseudotsuga menziesii - Douglas Fir.....	145.49	
32 93 43 00-1045	EA		9' Pseudotsuga menziesii - Douglas Fir.....	181.86	
32 93 43 00-1046	EA		10' Pseudotsuga menziesii - Douglas Fir.....	214.19	
32 93 43 00-1047	EA		12' Pseudotsuga menziesii - Douglas Fir.....	242.48	
32 93 43 00-1048	EA		5' To 6' Sequoia sempervirens - Dawn Redwood.....	39.51	
32 93 43 00-1049	EA		6' To 8' Sequoia sempervirens - Dawn Redwood.....	53.34	
32 93 43 00-1050	EA		8' To 10' Sequoia sempervirens - Dawn Redwood.....	65.19	
32 93 43 00-1051	EA		5' To 6' Taxodium distichum & cvs - Bald Cypress.....	28.08	
32 93 43 00-1052	EA		6' To 7' Taxodium distichum & cvs - Bald Cypress.....	35.10	
32 93 43 00-1053	EA		7' To 8' Taxodium distichum & cvs - Bald Cypress.....	43.40	
32 93 43 00-1054	EA		8' To 10' Taxodium distichum & cvs - Bald Cypress.....	54.92	
32 93 43 00-1055	EA		6' Tsuga canadensis - Northern Hemlock.....	80.83	
32 93 43 00-1056	EA		7' Tsuga canadensis - Northern Hemlock.....	101.03	
32 93 43 00-1057	EA		8' Tsuga canadensis - Northern Hemlock.....	137.40	
32 93 43 00-1058	EA		9' Tsuga canadensis - Northern Hemlock.....	161.65	
32 93 43 00-1059	EA		10' Tsuga canadensis - Northern Hemlock.....	181.86	
32 93 43 00-1060	EA		12' Tsuga canadensis - Northern Hemlock.....	202.07	
32 93 43 00-1061	EA		3' To 4' Thuja occidentalis 'Wareana' - Siberian Arborvitae.....	7.62	
32 93 43 00-1062	EA		3' To 4' Thuja occidentalis 'Woodwardii' - Woodward Arborvitae.....	12.45	

32 93 43 00-1063

Palm And Subtropical Trees (32 93 43)

Note: All trees listed by caliper of trunk or height of tree if field grown, dug with spade, balled and burlapped and delivered to site.

32 93 43 00-1064	EA		4' To 5' Acacia baileyana - Bailey Acacia.....	262.50	
32 93 43 00-1065	EA		6' Acacia baileyana - Bailey Acacia.....	315.00	
32 93 43 00-1066	EA		8' Acacia baileyana - Bailey Acacia.....	367.50	
32 93 43 00-1067	EA		10' Acacia baileyana - Bailey Acacia.....	459.38	
32 93 43 00-1068	EA		6' Agonis flexuosa - Peppermint.....	157.50	
32 93 43 00-1069	EA		8' Agonis flexuosa - Peppermint.....	196.88	
32 93 43 00-1070	EA		10' Agonis flexuosa - Peppermint.....	236.25	
32 93 43 00-1071	EA		24" Box Agonis flexuosa - Peppermint.....	196.22	
32 93 43 00-1072	EA		4' To 5' Archontophoenix cunninghamiana - King Palm.....	64.97	
32 93 43 00-1073	EA		6' To 8' Archontophoenix cunninghamiana - King Palm.....	101.06	
32 93 43 00-1074	EA		8' To 10' Archontophoenix cunninghamiana - King Palm.....	129.94	
32 93 43 00-1075	EA		10' To 12' Archontophoenix cunninghamiana - King Palm.....	173.25	
32 93 43 00-1076	EA		4' To 5' Arecastrum romanzoffianum - Queen Palm.....	49.22	
32 93 43 00-1077	EA		6' To 8' Arecastrum romanzoffianum - Queen Palm.....	68.91	
32 93 43 00-1078	EA		8' To 10' Arecastrum romanzoffianum - Queen Palm.....	88.59	
32 93 43 00-1079	EA		10' To 12' Arecastrum romanzoffianum - Queen Palm.....	108.28	
32 93 43 00-1080	EA		12' To 14' Arecastrum romanzoffianum - Queen Palm.....	131.25	
32 93 43 00-1081	EA		14' To 16' Arecastrum romanzoffianum - Queen Palm.....	164.06	
32 93 43 00-1082	EA		6' Bauhinia purpurea - Purple Orchid Tree.....	354.38	
32 93 43 00-1083	EA		8' Bauhinia purpurea - Purple Orchid Tree.....	472.50	
32 93 43 00-1084	EA		10' Bauhinia purpurea - Purple Orchid Tree.....	590.62	
32 93 43 00-1085	EA		24" Box Bauhinia purpurea - Purple Orchid Tree.....	153.56	
32 93 43 00-1086	EA		6' Bauhinia variegata candida - White Orchid Tree.....	393.75	
32 93 43 00-1087	EA		8' Bauhinia variegata candida - White Orchid Tree.....	525.00	
32 93 43 00-1088	EA		10' Bauhinia variegata candida - White Orchid Tree.....	656.25	
32 93 43 00-1089	EA		4' To 5' Bauninia blakeana - Hong Kong Orchid.....	282.19	
32 93 43 00-1090	EA		6' Bauninia blakeana - Hong Kong Orchid.....	334.69	
32 93 43 00-1091	EA		8' Bauninia blakeana - Hong Kong Orchid.....	446.25	
32 93 43 00-1092	EA		10' Bauninia blakeana - Hong Kong Orchid.....	557.81	
32 93 43 00-1093	EA		6' Callistemon citrinus - Crimson or Lemon Bottle Brush.....	354.38	
32 93 43 00-1094	EA		8' Callistemon citrinus - Crimson or Lemon Bottle Brush.....	472.50	
32 93 43 00-1095	EA		10' Callistemon citrinus - Crimson or Lemon Bottle Brush.....	590.62	
32 93 43 00-1096	EA		6' Callistemon viminalis - Weeping Bottle Brush.....	354.38	
32 93 43 00-1097	EA		8' Callistemon viminalis - Weeping Bottle Brush.....	472.50	
32 93 43 00-1098	EA		10' Callistemon viminalis - Weeping Bottle Brush.....	590.62	
32 93 43 00-1099	EA		12' Callistemon viminalis - Weeping Bottle Brush.....	708.75	
32 93 43 00-1100	EA		3' To 4' Chamaedorea radicalis - Dwarf Bamboo Palm.....	137.81	
32 93 43 00-1101	EA		5' To 6' Chamaedorea radicalis - Dwarf Bamboo Palm.....	216.56	
32 93 43 00-1102	EA		3' To 4' Chamaerops humilis - European Fan Palm.....	118.12	
32 93 43 00-1103	EA		5' To 6' Chamaerops humilis - European Fan Palm.....	157.50	
32 93 43 00-1104	EA		7' To 8' Chamaerops humilis - European Fan Palm.....	367.50	
32 93 43 00-1105	EA		9' To 10' Chamaerops humilis - European Fan Palm.....	630.00	
32 93 43 00-1106	EA		6' To 7' Cocos nucifera 'Jamaican Maypan' - Maypan Coconut.....	91.88	
32 93 43 00-1107	EA		8' To 10' Cocos nucifera 'Jamaican Maypan' - Maypan Coconut.....	183.75	
32 93 43 00-1108	EA		10' To 12' Cocos nucifera 'Jamaican Maypan' - Maypan Coconut.....	236.25	
32 93 43 00-1109	EA		12' To 14' Cocos nucifera 'Jamaican Maypan' - Maypan Coconut.....	328.12	
32 93 43 00-1110	EA		12' To 16' Cocos nucifera - Coconut Palm.....	276.77	
32 93 43 00-1111	EA		6' Eriobotrya deflexa - Bronze Loquat.....	354.38	
32 93 43 00-1112	EA		8' Eriobotrya deflexa - Bronze Loquat.....	472.50	
32 93 43 00-1113	EA		10' Eriobotrya deflexa - Bronze Loquat.....	590.62	

32 Exterior Improvements**32 90 Planting****32 93 Plants**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

32 93 43 00-1114	EA	6' Eucalyptus erythrocorys - Red Cap Gum.....	354.38	
32 93 43 00-1115	EA	8' Eucalyptus erythrocorys - Red Cap Gum.....	472.50	
32 93 43 00-1116	EA	10' Eucalyptus erythrocorys - Red Cap Gum.....	590.62	
32 93 43 00-1117	EA	6' Eucalyptus gunnii - Cider Gum.....	354.38	
32 93 43 00-1118	EA	8' Eucalyptus gunnii - Cider Gum.....	472.50	
32 93 43 00-1119	EA	10' Eucalyptus gunnii - Cider Gum.....	590.62	
32 93 43 00-1120	EA	6' Eucalyptus leucoxyton - White Ironbark.....	354.38	
32 93 43 00-1121	EA	8' Eucalyptus leucoxyton - White Ironbark.....	472.50	
32 93 43 00-1122	EA	10' Eucalyptus leucoxyton - White Ironbark.....	590.62	
32 93 43 00-1123	EA	12' Eucalyptus leucoxyton - White Ironbark.....	708.75	
32 93 43 00-1124	EA	6' Eucalyptus polyanthemos - Silver Dollar Gum.....	354.38	
32 93 43 00-1125	EA	8' Eucalyptus polyanthemos - Silver Dollar Gum.....	472.50	
32 93 43 00-1126	EA	10' Eucalyptus polyanthemos - Silver Dollar Gum.....	590.62	
32 93 43 00-1127	EA	6' Eucalyptus torquala - Coral Gum.....	354.38	
32 93 43 00-1128	EA	8' Eucalyptus torquala - Coral Gum.....	472.50	
32 93 43 00-1129	EA	10' Eucalyptus torquala - Coral Gum.....	590.62	
32 93 43 00-1130	EA	8' Fraxinus oxycarpa "Raywood" - Raywood Ash.....	367.50	
32 93 43 00-1131	EA	10' Fraxinus oxycarpa "Raywood" - Raywood Ash.....	498.75	
32 93 43 00-1132	EA	12' Fraxinus oxycarpa "Raywood" - Raywood Ash.....	616.88	
32 93 43 00-1133	EA	6' Jacarandra acutifolia - Jacaranda.....	354.38	
32 93 43 00-1134	EA	8' Jacarandra acutifolia - Jacaranda.....	472.50	
32 93 43 00-1135	EA	10' Jacarandra acutifolia - Jacaranda.....	590.62	
32 93 43 00-1136	EA	24" Box Jacarandra acutifolia - Jacaranda.....	153.56	
32 93 43 00-1137	EA	6' Olea europaea - Olive "Fruitless".....	354.38	
32 93 43 00-1138	EA	8' Olea europaea - Olive "Fruitless".....	472.50	
32 93 43 00-1139	EA	10' Olea europaea - Olive "Fruitless".....	590.62	
32 93 43 00-1140	EA	12' Olea europaea - Olive "Fruitless".....	708.75	
32 93 43 00-1141	EA	24" Box Olea europaea - Olive "Fruitless".....	435.75	
32 93 43 00-1142	EA	5 Gallon Pistacia chinensis - Chinese Pistache.....	23.62	
32 93 43 00-1143	EA	15 Gallon Pistacia chinensis - Chinese Pistache.....	78.75	
32 93 43 00-1144	EA	24" Box Pistacia chinensis - Chinese Pistache.....	305.81	
32 93 43 00-1145	EA	36" Box Pistacia chinensis - Chinese Pistache.....	813.75	
32 93 43 00-1146	EA	48" Box Pistacia chinensis - Chinese Pistache.....	1,732.50	
32 93 43 00-1147	EA	5 Gallon Pyrus kawakamii - Evergreen Pear, Single.....	24.41	
32 93 43 00-1148	EA	15 Gallon Pyrus kawakamii - Evergreen Pear, Single.....	81.38	
32 93 43 00-1149	EA	24" Box Pyrus kawakamii - Evergreen Pear, Single.....	305.81	
32 93 43 00-1150	EA	30" Box Pyrus kawakamii - Evergreen Pear, Single.....	559.12	
32 93 43 00-1151	EA	36" Box Pyrus kawakamii - Evergreen Pear, Single.....	813.75	
32 93 43 00-1152	EA	5 Gallon Pyrus kawakamii - Evergreen Pear, Multi.....	24.41	
32 93 43 00-1153	EA	15 Gallon Pyrus kawakamii - Evergreen Pear, Multi.....	86.62	
32 93 43 00-1154	EA	24" Box Pyrus kawakamii - Evergreen Pear, Multi.....	315.00	
32 93 43 00-1155	EA	30" Box Pyrus kawakamii - Evergreen Pear, Multi.....	559.12	
32 93 43 00-1156	EA	36" Box Pyrus kawakamii - Evergreen Pear, Multi.....	813.75	
32 93 43 00-1157	EA	9' Ptychosperma elegans - Alexander Palm.....	98.44	
32 93 43 00-1158	EA	11' Ptychosperma elegans - Alexander Palm, Solitaire Palm.....	164.06	
32 93 43 00-1159	EA	15' Ptychosperma elegans - Alexander Palm, Solitaire Palm.....	249.38	
32 93 43 00-1160	EA	17' Ptychosperma elegans - Alexander Palm, Solitaire Palm.....	282.19	
32 93 43 00-1161	EA	20' Ptychosperma elegans - Alexander Palm, Solitaire Palm.....	328.12	
32 93 43 00-1162	EA	4' To 5' Rhaps excelsa - Lady Palm.....	249.38	
32 93 43 00-1163	EA	6' To 7' Rhaps excelsa - Lady Palm.....	354.38	
32 93 43 00-1164	EA	8' To 9' Roystonea regia - Royal Palm.....	200.81	
32 93 43 00-1165	EA	10' To 11' Roystonea regia - Royal Palm.....	245.44	
32 93 43 00-1166	EA	12' To 13' Roystonea regia - Royal Palm.....	290.06	
32 93 43 00-1167	EA	14' To 15' Roystonea regia - Royal Palm.....	334.69	
32 93 43 00-1168	EA	16' To 17' Roystonea regia - Royal Palm.....	379.31	
32 93 43 00-1169	EA	18' To 19' Roystonea regia - Royal Palm.....	423.94	
32 93 43 00-1170	EA	20' To 21' Roystonea regia - Royal Palm.....	468.56	
32 93 43 00-1171	EA	10' To 16' Sabal palmetto - Cabbage Palm.....	101.49	
32 93 43 00-1172	EA	6' To 7' Thrinax morrisii - Key Thatch Palm.....	275.62	
32 93 43 00-1173	EA	8' To 9' Thrinax morrisii - Key Thatch Palm.....	354.38	
32 93 43 00-1174	EA	10' To 11' Thrinax morrisii - Key Thatch Palm.....	433.12	
32 93 43 00-1175	EA	1 Gallon Washingtonia robusta - Mexican Fan Palm.....	4.52	
32 93 43 00-1176	EA	5 Gallon Washingtonia robusta - Mexican Fan Palm.....	14.05	
32 93 43 00-1177	EA	15 Gallon Washingtonia robusta - Mexican Fan Palm.....	49.18	
32 93 43 00-1178	EA	24" Box Washingtonia robusta - Mexican Fan Palm.....	160.58	
32 93 43 00-1179	EA	36" Box Washingtonia robusta - Mexican Fan Palm.....	426.53	
32 93 43 00-1180	EA	6' Washingtonia robusta - Mexican Fan Palm.....	354.38	
32 93 43 00-1181	EA	8' Washingtonia robusta - Mexican Fan Palm.....	472.50	
32 93 43 00-1182	EA	10' Washingtonia robusta - Mexican Fan Palm.....	590.62	
32 93 43 00-1183	EA	12' Washingtonia robusta - Mexican Fan Palm.....	708.75	

32 93 53 Planting Of Trees, Shrubs And Ground Cover (32 93)

Note: Includes moving plant(s) from truck or staging site to planting site, excavation of hole, placing plant in hole, backfill and compaction. Use appropriate gallon, height or caliper size to match with description from plant section.

32 93 53 00-0001 Planting Trees (32 93 53)

Note: Excludes mulch. See CSI section 32 91 13 16-0001 for mulch.

32 93 53 00-0002	EA	3" To 5" Bare Root Seedlings Tree Planting.....	1.12	
32 93 53 00-0003	EA	6" To 10" Bare Root Seedlings Tree Planting.....	1.81	
32 93 53 00-0004	EA	11" To 16" Bare Root Seedlings Tree Planting.....	2.26	
32 93 53 00-0005	EA	17" To 24" Bare Root Seedlings Tree Planting.....	3.61	



		Exterior Improvements	32
		Planting	32 90
		Plants	32 93

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 53 00-0006 EA 1 Gallon Container Tree Planting.....	18.04	
For >10 To 25, Deduct	-0.90	
For >25 To 50, Deduct	-2.26	
For >50 To 100, Deduct	-3.61	
For >100, Deduct	-5.41	
32 93 53 00-0007 EA 2 Gallon Container Tree Planting.....	25.26	
For >10 To 25, Deduct	-1.26	
For >25 To 50, Deduct	-3.16	
For >50 To 100, Deduct	-5.05	
For >100, Deduct	-7.58	
32 93 53 00-0008 EA 3 Gallon Container Tree Planting.....	32.47	
For >10 To 25, Deduct	-1.62	
For >25 To 50, Deduct	-4.06	
For >50 To 100, Deduct	-6.49	
For >100, Deduct	-9.74	
32 93 53 00-0009 EA 5 Gallon Container Tree Planting.....	54.12	
For >10 To 25, Deduct	-2.71	
For >25 To 50, Deduct	-6.77	
For >50 To 100, Deduct	-10.82	
For >100, Deduct	-16.24	
32 93 53 00-0010 EA 7 Gallon Container Tree Planting.....	72.16	
For >10 To 25, Deduct	-3.61	
For >25 To 50, Deduct	-9.02	
For >50 To 100, Deduct	-14.43	
For >100, Deduct	-21.65	
32 93 53 00-0011 EA 10 Gallon Container Tree Planting.....	93.81	
For >10 To 25, Deduct	-4.69	
For >25 To 50, Deduct	-11.73	
For >50 To 100, Deduct	-18.76	
For >100, Deduct	-28.14	
32 93 53 00-0012 EA 15 Gallon Container Tree Planting.....	133.50	
For >10 To 25, Deduct	-6.88	
For >25 To 50, Deduct	-16.69	
For >50 To 100, Deduct	-26.70	
For >100, Deduct	-40.05	
32 93 53 00-0013 EA 20 Gallon Container Tree Planting.....	220.09	
For >10 To 25, Deduct	-11.00	
For >25 To 50, Deduct	-27.51	
For >50 To 100, Deduct	-44.02	
For >100, Deduct	-66.03	
32 93 53 00-0014 EA 25 Gallon Container Tree Planting.....	285.04	
For >10 To 25, Deduct	-14.25	
For >25 To 50, Deduct	-35.63	
For >50 To 100, Deduct	-57.01	
For >100, Deduct	-85.51	
32 93 53 00-0015 EA 30 Gallon Container Tree Planting.....	342.76	
For >10 To 25, Deduct	-17.14	
For >25 To 50, Deduct	-42.85	
For >50 To 100, Deduct	-68.55	
For >100, Deduct	-102.83	
32 93 53 00-0016 EA 45 Gallon Container Tree Planting.....	425.75	
For >10 To 25, Deduct	-21.29	
For >25 To 50, Deduct	-53.22	
For >50 To 100, Deduct	-85.15	
For >100, Deduct	-127.73	
32 93 53 00-0017 EA 65 Gallon Container Tree Planting.....	505.13	
For >10 To 25, Deduct	-25.26	
For >25 To 50, Deduct	-63.14	
For >50 To 100, Deduct	-101.03	
For >100, Deduct	-151.54	
32 93 53 00-0018 EA 6' Balled And Burlapped Tree Planting	180.40	
For >10 To 25, Deduct	-9.02	
For >25 To 50, Deduct	-22.55	
For >50 To 100, Deduct	-36.08	
For >100, Deduct	-54.12	
32 93 53 00-0019 EA 7' Balled And Burlapped Tree Planting	240.30	
For >10 To 25, Deduct	-12.02	
For >25 To 50, Deduct	-30.04	
For >50 To 100, Deduct	-48.06	
For >100, Deduct	-72.09	
32 93 53 00-0020 EA 8' Balled And Burlapped Tree Planting	315.61	
For >10 To 25, Deduct	-13.53	
For >25 To 50, Deduct	-33.83	
For >50 To 100, Deduct	-54.12	
For >100, Deduct	-81.18	
32 93 53 00-0021 EA 10' Balled And Burlapped Tree Planting	315.70	
For >10 To 25, Deduct	-15.79	
For >25 To 50, Deduct	-39.46	
For >50 To 100, Deduct	-63.14	
For >100, Deduct	-94.71	
32 93 53 00-0022 EA 12' Balled And Burlapped Tree Planting	422.14	
For >10 To 25, Deduct	-21.11	
For >25 To 50, Deduct	-52.77	
For >50 To 100, Deduct	-84.43	
For >100, Deduct	-126.64	

32 Exterior Improvements**32 90 Planting****32 93 Plants**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 53 00-0023 EA 14' Balled And Burlapped Tree Planting	483.48	
For >10 To 25, Deduct	-24.17	
For >25 To 50, Deduct	-60.44	
For >50 To 100, Deduct	-96.70	
For >100, Deduct	-145.04	
32 93 53 00-0024 EA 16' Balled And Burlapped Tree Planting	586.31	
For >10 To 25, Deduct	-29.32	
For >25 To 50, Deduct	-73.29	
For >50 To 100, Deduct	-117.26	
For >100, Deduct	-175.89	
32 93 53 00-0025 EA 18' Balled And Burlapped Tree Planting	703.57	
For >10 To 25, Deduct	-35.18	
For >25 To 50, Deduct	-87.95	
For >50 To 100, Deduct	-140.71	
For >100, Deduct	-211.07	
32 93 53 00-0026 EA 20' Balled And Burlapped Tree Planting	811.82	
For >10 To 25, Deduct	-40.59	
For >25 To 50, Deduct	-101.48	
For >50 To 100, Deduct	-162.36	
For >100, Deduct	-243.55	
32 93 53 00-0027 EA 1-1/2" Caliper Balled And Burlapped Tree Planting	270.61	
For >10 To 25, Deduct	-13.53	
For >25 To 50, Deduct	-33.83	
For >50 To 100, Deduct	-54.12	
For >100, Deduct	-81.18	
32 93 53 00-0028 EA 2" Caliper Balled And Burlapped Tree Planting	315.70	
For >10 To 25, Deduct	-15.79	
For >25 To 50, Deduct	-39.46	
For >50 To 100, Deduct	-63.14	
For >100, Deduct	-94.71	
32 93 53 00-0029 EA 2-1/2" Caliper Balled And Burlapped Tree Planting	423.95	
For >10 To 25, Deduct	-21.20	
For >25 To 50, Deduct	-52.99	
For >50 To 100, Deduct	-84.79	
For >100, Deduct	-127.19	
32 93 53 00-0030 EA 3" Caliper Balled And Burlapped Tree Planting	487.09	
For >10 To 25, Deduct	-24.35	
For >25 To 50, Deduct	-60.89	
For >50 To 100, Deduct	-97.42	
For >100, Deduct	-146.13	
32 93 53 00-0031 EA 3-1/2" Caliper Balled And Burlapped Tree Planting	541.21	
For >10 To 25, Deduct	-27.06	
For >25 To 50, Deduct	-67.65	
For >50 To 100, Deduct	-108.24	
For >100, Deduct	-162.36	
32 93 53 00-0032 EA 4" Caliper Balled And Burlapped Tree Planting	620.59	
For >10 To 25, Deduct	-31.03	
For >25 To 50, Deduct	-77.57	
For >50 To 100, Deduct	-124.12	
For >100, Deduct	-186.18	
32 93 53 00-0033 Planting Shrubs <small>(32 93 53)</small>		
Note: Excludes mulch. See CSI section 32 91 13 16-0001 for mulch.		
32 93 53 00-0034 EA 1 Gallon Container Shrub Planting.....	15.34	
For >10 To 25, Deduct	-0.77	
For >25 To 50, Deduct	-1.92	
For >50 To 100, Deduct	-3.07	
For >100, Deduct	-4.60	
32 93 53 00-0035 EA 2 Gallon Container Shrub Planting.....	21.65	
For >10 To 25, Deduct	-1.08	
For >25 To 50, Deduct	-2.71	
For >50 To 100, Deduct	-4.33	
For >100, Deduct	-6.50	
32 93 53 00-0036 EA 3 Gallon Container Shrub Planting.....	27.06	
For >10 To 25, Deduct	-1.35	
For >25 To 50, Deduct	-3.38	
For >50 To 100, Deduct	-5.41	
For >100, Deduct	-8.12	
32 93 53 00-0037 EA 4 Gallon Container Shrub Planting.....	36.08	
For >10 To 25, Deduct	-1.80	
For >25 To 50, Deduct	-4.51	
For >50 To 100, Deduct	-7.22	
For >100, Deduct	-10.82	
32 93 53 00-0038 EA 5 Gallon Container Shrub Planting.....	45.10	
For >10 To 25, Deduct	-2.26	
For >25 To 50, Deduct	-5.64	
For >50 To 100, Deduct	-9.02	
For >100, Deduct	-13.53	
32 93 53 00-0039 EA 7 Gallon Container Shrub Planting.....	61.34	
For >10 To 25, Deduct	-3.07	
For >25 To 50, Deduct	-7.67	
For >50 To 100, Deduct	-12.27	
For >100, Deduct	-18.40	



		Exterior Improvements	32
		Planting	32 90
		Plants	32 93

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 53 00-0040 EA 10 Gallon Container Shrub Planting	81.18	
For >10 To 25, Deduct	-4.06	
For >25 To 50, Deduct	-10.15	
For >50 To 100, Deduct	-16.24	
For >100, Deduct	-24.35	
32 93 53 00-0041 EA 15 Gallon Container Shrub Planting	111.85	
For >10 To 25, Deduct	-5.59	
For >25 To 50, Deduct	-13.98	
For >50 To 100, Deduct	-22.37	
For >100, Deduct	-33.56	
32 93 53 00-0042 EA 20 Gallon Container Shrub Planting	187.62	
For >10 To 25, Deduct	-9.38	
For >25 To 50, Deduct	-23.45	
For >50 To 100, Deduct	-37.52	
For >100, Deduct	-56.29	
32 93 53 00-0043 EA 25 Gallon Container Shrub Planting	240.30	
For >10 To 25, Deduct	-12.02	
For >25 To 50, Deduct	-30.04	
For >50 To 100, Deduct	-48.06	
For >100, Deduct	-72.09	
32 93 53 00-0044 EA 15" Balled And Burlapped Shrub Planting	50.51	
For >10 To 25, Deduct	-2.53	
For >25 To 50, Deduct	-6.31	
For >50 To 100, Deduct	-10.10	
For >100, Deduct	-15.15	
32 93 53 00-0045 EA 18" Balled And Burlapped Shrub Planting	52.32	
For >10 To 25, Deduct	-2.62	
For >25 To 50, Deduct	-6.54	
For >50 To 100, Deduct	-10.46	
For >100, Deduct	-15.70	
32 93 53 00-0046 EA 24" Balled And Burlapped Shrub Planting	57.73	
For >10 To 25, Deduct	-2.89	
For >25 To 50, Deduct	-7.22	
For >50 To 100, Deduct	-11.55	
For >100, Deduct	-17.32	
32 93 53 00-0047 EA 30" Balled And Burlapped Shrub Planting	57.73	
For >10 To 25, Deduct	-2.89	
For >25 To 50, Deduct	-7.22	
For >50 To 100, Deduct	-11.55	
For >100, Deduct	-17.32	
32 93 53 00-0048 EA 36" Balled And Burlapped Shrub Planting	63.14	
For >10 To 25, Deduct	-3.16	
For >25 To 50, Deduct	-7.89	
For >50 To 100, Deduct	-12.63	
For >100, Deduct	-18.94	
32 93 53 00-0049 EA 42" Balled And Burlapped Shrub Planting	66.75	
For >10 To 25, Deduct	-3.34	
For >25 To 50, Deduct	-8.34	
For >50 To 100, Deduct	-13.35	
For >100, Deduct	-20.03	
32 93 53 00-0050 EA 48" Balled And Burlapped Shrub Planting	72.16	
For >10 To 25, Deduct	-3.61	
For >25 To 50, Deduct	-9.02	
For >50 To 100, Deduct	-14.43	
For >100, Deduct	-21.65	
32 93 53 00-0051 EA 5' Balled And Burlapped Shrub Planting	108.25	
For >10 To 25, Deduct	-5.41	
For >25 To 50, Deduct	-13.53	
For >50 To 100, Deduct	-21.65	
For >100, Deduct	-32.48	
32 93 53 00-0052 EA 6' Balled And Burlapped Shrub Planting	153.34	
For >10 To 25, Deduct	-7.67	
For >25 To 50, Deduct	-19.17	
For >50 To 100, Deduct	-30.67	
For >100, Deduct	-46.00	
32 93 53 00-0053 EA 7' Balled And Burlapped Shrub Planting	203.86	
For >10 To 25, Deduct	-10.19	
For >25 To 50, Deduct	-25.48	
For >50 To 100, Deduct	-40.77	
For >100, Deduct	-61.16	
32 93 53 00-0054 EA 8' Balled And Burlapped Shrub Planting	230.92	
For >10 To 25, Deduct	-11.55	
For >25 To 50, Deduct	-28.87	
For >50 To 100, Deduct	-46.18	
For >100, Deduct	-69.28	
32 93 53 00-0055 EA 9' Balled And Burlapped Shrub Planting	248.96	
For >10 To 25, Deduct	-12.45	
For >25 To 50, Deduct	-31.12	
For >50 To 100, Deduct	-49.79	
For >100, Deduct	-74.69	
32 93 53 00-0056 EA 10' Balled And Burlapped Shrub Planting	270.61	
For >10 To 25, Deduct	-13.53	
For >25 To 50, Deduct	-33.83	
For >50 To 100, Deduct	-54.12	
For >100, Deduct	-81.18	

32 Exterior Improvements**32 90 Planting****32 93 Plants**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 53 00-0057 Planting Groundcover, Vines, Perennials, Annuals And Bulbs <small>(32 93 53)</small> See CSI section 32 91 13 16-0001 for mulch.		
32 93 53 00-0058 EA 2-1/4" Diameter Potted Groundcover And Flower Planting	1.50	
For >10 To 25, Deduct	-0.08	
For >25 To 50, Deduct	-0.19	
For >50 To 100, Deduct	-0.30	
For >100, Deduct	-0.45	
32 93 53 00-0059 EA 3" Diameter Potted Groundcover And Flower Planting	1.71	
For >10 To 25, Deduct	-0.09	
For >25 To 50, Deduct	-0.21	
For >50 To 100, Deduct	-0.34	
For >100, Deduct	-0.51	
32 93 53 00-0060 EA 4" Diameter Potted Groundcover And Flower Planting	2.01	
For >10 To 25, Deduct	-0.10	
For >25 To 50, Deduct	-0.25	
For >50 To 100, Deduct	-0.40	
For >100, Deduct	-0.60	
32 93 53 00-0061 EA 5-1/2" Diameter Potted Groundcover And Flower Planting	2.41	
For >10 To 25, Deduct	-0.12	
For >25 To 50, Deduct	-0.30	
For >50 To 100, Deduct	-0.48	
For >100, Deduct	-0.72	
32 93 53 00-0062 EA 6" Diameter Potted Groundcover And Flower Planting	3.01	
For >10 To 25, Deduct	-0.15	
For >25 To 50, Deduct	-0.38	
For >50 To 100, Deduct	-0.60	
For >100, Deduct	-0.90	
32 93 53 00-0063 EA 8" Diameter Potted Groundcover And Flower Planting	4.51	
For >10 To 25, Deduct	-0.23	
For >25 To 50, Deduct	-0.56	
For >50 To 100, Deduct	-0.90	
For >100, Deduct	-1.35	
32 93 53 00-0064 EA 1 Gallon Container Groundcover And Flower Planting	14.43	
For >10 To 25, Deduct	-0.72	
For >25 To 50, Deduct	-1.80	
For >50 To 100, Deduct	-2.89	
For >100, Deduct	-4.33	
32 93 53 00-0065 EA 2 Gallon Container Groundcover And Flower Planting	19.84	
For >10 To 25, Deduct	-0.99	
For >25 To 50, Deduct	-2.48	
For >50 To 100, Deduct	-3.97	
For >100, Deduct	-5.95	
32 93 53 00-0066 EA 3 Gallon Container Groundcover And Flower Planting	25.26	
For >10 To 25, Deduct	-1.26	
For >25 To 50, Deduct	-3.16	
For >50 To 100, Deduct	-5.05	
For >100, Deduct	-7.58	
32 93 53 00-0067 EA 4 Gallon Container Groundcover And Flower Planting	32.47	
For >10 To 25, Deduct	-1.62	
For >25 To 50, Deduct	-4.06	
For >50 To 100, Deduct	-6.49	
For >100, Deduct	-9.74	
32 93 53 00-0068 EA 5 Gallon Container Groundcover And Flower Planting	39.69	
For >10 To 25, Deduct	-1.98	
For >25 To 50, Deduct	-4.96	
For >50 To 100, Deduct	-7.94	
For >100, Deduct	-11.91	
32 93 53 00-0069 EA 7 Gallon Container Groundcover And Flower Planting	54.12	
For >10 To 25, Deduct	-2.71	
For >25 To 50, Deduct	-6.77	
For >50 To 100, Deduct	-10.82	
For >100, Deduct	-16.24	
32 93 53 00-0070 EA Bulb Planting.....	0.90	
For >10 To 25, Deduct	-0.05	
For >25 To 50, Deduct	-0.11	
For >50 To 100, Deduct	-0.18	
For >100, Deduct	-0.27	
32 93 53 00-0071 EA Flats Of 24 Groundcover And Flower Planting.....	25.25	
For >10 To 25, Deduct	-1.26	
For >25, Deduct	-3.16	
32 93 53 00-0072 EA Flats Of 36 Groundcover And Flower Planting.....	35.82	
For >10 To 25, Deduct	-1.79	
For >25, Deduct	-4.48	
32 93 53 00-0073 EA Flats Of 48 Groundcover And Flower Planting.....	47.69	
For >10 To 25, Deduct	-2.38	
For >25, Deduct	-5.96	
32 93 53 00-0074 Tree Pits <small>(32 93 53)</small> Note: Costs given show the tree pit size accommodates the soil ball and the type of soil excavated includes excavation, bank run sand and gravel fill for drainage, imported mix planting soil, hand backfill, perforated drainage pipe for watering, and drainage fabric. Includes one layer of woven fabric to be applied before mulch is spread. Excludes additional soil conditioners or mulch.		
32 93 53 00-0075 EA 2' x 1-1/4' Deep Tree Pit	90.86	
32 93 53 00-0076 EA 2' x 2-1/2' Deep Tree Pit	136.27	



		Exterior Improvements	32
		Planting	32 90
		Plants	32 93

32

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 53 00-0077	EA		2-1/2' x 1-1/2' Deep Tree Pit	175.85	
32 93 53 00-0078	EA		2-1/2' x 3' Deep Tree Pit	263.73	
32 93 53 00-0079	EA		3' x 1-3/4' Deep Tree Pit	271.73	
32 93 53 00-0080	EA		3' x 3-1/2' Deep Tree Pit	405.53	
32 93 53 00-0081	EA		3-1/2' x 1-3/4' Deep Tree Pit	333.16	
32 93 53 00-0082	EA		3-1/2' x 3-1/2' Deep Tree Pit	499.06	
32 93 53 00-0083	EA		4' x 2' Deep Tree Pit	398.30	
32 93 53 00-0084	EA		4' x 4' Deep Tree Pit	597.13	
32 93 53 00-0085	EA		4-1/2' x 2' Deep Tree Pit	573.70	
32 93 53 00-0086	EA		4-1/2' x 4' Deep Tree Pit	862.21	
32 93 53 00-0087	EA		5' x 2-1/4' Deep Tree Pit	763.08	
32 93 53 00-0088	EA		5' x 4-1/2' Deep Tree Pit	1,136.76	
32 93 53 00-0089	EA		6' x 2-1/2' Deep Tree Pit	1,082.18	
32 93 53 00-0090	EA		6' x 5' Deep Tree Pit	1,620.90	
32 93 53 00-0091	EA		7' x 3' Deep Tree Pit	1,823.26	
32 93 53 00-0092	EA		7' x 6' Deep Tree Pit	2,749.19	
32 93 53 00-0093	EA		8' x 3-1/4' Deep Tree Pit	2,507.63	
32 93 53 00-0094	EA		8' x 6-1/2' Deep Tree Pit	3,759.87	

32 94 Planting Accessories (32 90)

32 94 13 Landscape Edging (32 94)

Note: Including stakes.

32 94 13 00-0001 Landscape Edging (32 94 13)

Note: Includes stakes.

32 94 13 00-0002	LF		1/8" x 4", Mill Finish, Aluminum Alloy Landscape Edging	6.68	2.19
32 94 13 00-0003	LF		1/8" x 4", Black Paint, Aluminum Alloy Landscape Edging	7.15	2.19
32 94 13 00-0004	LF		1/8" x 4", Black Anodized, Aluminum Alloy Landscape Edging.....	7.18	2.19
32 94 13 00-0005	LF		3/16" x 4", Mill Finish, Aluminum Alloy Landscape Edging	8.05	2.26
32 94 13 00-0006	LF		3/16" x 4", Black Paint, Aluminum Alloy Landscape Edging	8.64	2.26
32 94 13 00-0007	LF		3/16" x 4", Black Anodized, Aluminum Alloy Landscape Edging.....	8.62	2.26
32 94 13 00-0008	LF		1/8" x 5-1/2", Mill Finish, Aluminum Alloy Landscape Edging	7.38	2.33
32 94 13 00-0009	LF		1/8" x 5-1/2", Black Paint, Aluminum Alloy Landscape Edging	8.04	2.33
32 94 13 00-0010	LF		1/8" x 5-1/2", Black Anodized, Aluminum Alloy Landscape Edging	8.10	2.33
32 94 13 00-0011	LF		3/16" x 5-1/2", Mill Finish, Aluminum Alloy Landscape Edging	8.96	2.40
32 94 13 00-0012	LF		3/16" x 5-1/2", Black Paint, Aluminum Alloy Landscape Edging	9.62	2.40
32 94 13 00-0013	LF		3/16" x 5-1/2", Black Anodized, Aluminum Alloy Landscape Edging	9.67	2.40
32 94 13 00-0014	LF		3/16" x 4" Powder Coated Steel Landscape Edging	8.01	2.26
32 94 13 00-0015	LF		1/4" x 5" Powder Coated Steel Landscape Edging	10.60	2.26
32 94 13 00-0016	LF		4-1/2" x 12" Granite Edging	22.09	10.26
32 94 13 00-0017	LF		2" x 8" x 16" Precast Scallops, Green.....	4.81	1.55
32 94 13 00-0018	LF		2" x 8" x 16" Precast Scallops, Other Than Green.....	4.47	1.55
32 94 13 00-0019	LF		Brick, Set Horizontally, 1-1/2 Per LF.....	4.55	1.70
32 94 13 00-0020	LF		Brick, Set Horizontally, 3 Per LF	11.63	4.65
32 94 13 00-0021	LF		"V" Trenching By Machine, 4" Deep x 4" Wide	1.84	

32 94 16 Landscape Timbers (32 94)

32 94 16 00-0001	LF		6" x 8" Railroad Ties	11.62	3.84
32 94 16 00-0002	LF		7" x 9" Railroad Ties	14.01	4.83
32 94 16 00-0003	LF		1" x 4" Redwood	4.08	1.39
32 94 16 00-0004	LF		2" x 4" Redwood Edging.....	5.62	2.07
32 94 16 00-0005	LF		4" x 6" Pressure Treated Hardwood	8.41	2.76
32 94 16 00-0006	LF		6" x 6" Pressure Treated Hardwood	10.99	3.46
32 94 16 00-0007	LF		6" x 8" Pressure Treated Hardwood	12.81	4.06
32 94 16 00-0008	LF		1" x 4" Pressure Treated Pine.....	3.25	1.39
32 94 16 00-0009	LF		2" x 4" Pressure Treated Pine.....	4.94	2.07
32 94 16 00-0010	LF		4" x 6" Pressure Treated Pine.....	7.97	2.68
32 94 16 00-0011	LF		6" x 6" Pressure Treated Pine.....	10.90	3.46
32 94 16 00-0012	LF		6" x 8" Pressure Treated Pine.....	13.38	4.06

32 94 43 Tree Grates (32 94)

32 94 43 00-0001 Tree Grates With Frames (32 94 43)

32 94 43 00-0002 Round Cast Iron Tree Grates With Frames (32 94 43 00-0001)

32 94 43 00-0003	EA		32" Diameter, 100 To 150 LB Cast Iron Tree Grate With Frame	475.76	50.87
			For >3 To 9, Deduct	-28.05	
			For >9, Deduct	-57.97	
32 94 43 00-0004	EA		36" Diameter, 125 To 175 LB Cast Iron Tree Grate With Frame	543.74	50.87
			For >3 To 9, Deduct	-33.15	
			For >9, Deduct	-68.51	
32 94 43 00-0005	EA		42" Diameter, 150 To 200 LB Cast Iron Tree Grate With Frame	662.66	67.83
			For >3 To 9, Deduct	-39.53	
			For >9, Deduct	-81.69	
32 94 43 00-0006	EA		48" Diameter, 200 To 250 LB Cast Iron Tree Grate With Frame	810.66	67.83
			For >3 To 9, Deduct	-50.63	
			For >9, Deduct	-104.63	

32 Exterior Improvements**32 90 Planting****32 94 Planting Accessories**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 94 43 00-0007	EA		54" Diameter, 300 To 350 LB Cast Iron Tree Grate With Frame	1,037.57	84.79
			<i>For >3 To 9, Deduct</i>	-65.10	
			<i>For >9, Deduct</i>	-134.54	
32 94 43 00-0008	EA		60" Diameter, Up To 350 LB Cast Iron Tree Grate With Frame	1,099.48	101.74
			<i>For >3 To 9, Deduct</i>	-67.20	
			<i>For >9, Deduct</i>	-138.88	
32 94 43 00-0009	EA		60" Diameter, >350 LB Cast Iron Tree Grate With Frame	1,202.48	101.74
			<i>For >3 To 9, Deduct</i>	-74.93	
			<i>For >9, Deduct</i>	-154.85	
32 94 43 00-0010	EA		72" Diameter, Up To 550 LB Cast Iron Tree Grate With Frame	1,608.27	144.13
			<i>For >3 To 9, Deduct</i>	-99.00	
			<i>For >9, Deduct</i>	-204.60	
32 94 43 00-0011	EA		72" Diameter, >500 To 550 LB Cast Iron Tree Grate With Frame	1,668.27	144.13
			<i>For >3 To 9, Deduct</i>	-103.50	
			<i>For >9, Deduct</i>	-213.90	
32 94 43 00-0012	EA		72" Diameter, >600 To 650 LB Cast Iron Tree Grate With Frame	1,718.27	144.13
			<i>For >3 To 9, Deduct</i>	-107.25	
			<i>For >9, Deduct</i>	-221.65	
32 94 43 00-0013	EA		72" Diameter, >650 To 700 LB Cast Iron Tree Grate With Frame	1,758.27	144.13
			<i>For >3 To 9, Deduct</i>	-110.25	
			<i>For >9, Deduct</i>	-227.85	
32 94 43 00-0014	EA		72" Diameter, >700 LB Cast Iron Tree Grate With Frame	1,788.27	144.13
			<i>For >3 To 9, Deduct</i>	-112.50	
			<i>For >9, Deduct</i>	-232.50	
32 94 43 00-0015	EA		93" Diameter, 950 To 1,000 LB Cast Iron Tree Grate With Frame	1,971.15	169.57
			<i>For >3 To 9, Deduct</i>	-122.40	
			<i>For >9, Deduct</i>	-252.96	
32 94 43 00-0016			Square Cast Iron Tree Grates With Frames (32 94 43 00-0001)		
32 94 43 00-0017	EA		30" x 30", 75 To 125 LB Cast Iron Tree Grate With Frame	441.74	50.87
			<i>For >3 To 9, Deduct</i>	-25.50	
			<i>For >9, Deduct</i>	-52.70	
32 94 43 00-0018	EA		36" x 36", 100 To 150 LB Cast Iron Tree Grate With Frame	526.74	50.87
			<i>For >3 To 9, Deduct</i>	-31.88	
			<i>For >9, Deduct</i>	-65.88	
32 94 43 00-0019	EA		48" x 48", Up To 200 LB Cast Iron Tree Grate With Frame	789.57	84.79
			<i>For >3 To 9, Deduct</i>	-46.50	
			<i>For >9, Deduct</i>	-96.10	
32 94 43 00-0020	EA		48" x 48", >200 To 250 LB Cast Iron Tree Grate With Frame	919.57	84.79
			<i>For >3 To 9, Deduct</i>	-56.25	
			<i>For >9, Deduct</i>	-116.25	
32 94 43 00-0021	EA		48" x 48", >250 To 300 LB Cast Iron Tree Grate With Frame	1,039.57	84.79
			<i>For >3 To 9, Deduct</i>	-65.25	
			<i>For >9, Deduct</i>	-134.85	
32 94 43 00-0022	EA		48" x 48", >300 To 350 LB Cast Iron Tree Grate With Frame	1,149.57	84.79
			<i>For >3 To 9, Deduct</i>	-73.50	
			<i>For >9, Deduct</i>	-151.90	
32 94 43 00-0023	EA		48" x 48", >350 To 400 LB Cast Iron Tree Grate With Frame	1,249.57	84.79
			<i>For >3 To 9, Deduct</i>	-81.00	
			<i>For >9, Deduct</i>	-167.40	
32 94 43 00-0024	EA		48" x 48", >400 LB Cast Iron Tree Grate With Frame	1,339.57	84.79
			<i>For >3 To 9, Deduct</i>	-87.75	
			<i>For >9, Deduct</i>	-181.35	
32 94 43 00-0025	EA		60" x 60", Up To 400 LB Cast Iron Tree Grate With Frame	1,317.41	118.70
			<i>For >3 To 9, Deduct</i>	-81.00	
			<i>For >9, Deduct</i>	-167.40	
32 94 43 00-0026	EA		60" x 60", >400 To 450 LB Cast Iron Tree Grate With Frame	1,407.41	118.70
			<i>For >3 To 9, Deduct</i>	-87.75	
			<i>For >9, Deduct</i>	-181.35	
32 94 43 00-0027	EA		60" x 60", >450 To 500 LB Cast Iron Tree Grate With Frame	1,487.41	118.70
			<i>For >3 To 9, Deduct</i>	-93.75	
			<i>For >9, Deduct</i>	-193.75	
32 94 43 00-0028	EA		60" x 60", >500 To 550 LB Cast Iron Tree Grate With Frame	1,557.41	118.70
			<i>For >3 To 9, Deduct</i>	-99.00	
			<i>For >9, Deduct</i>	-204.60	
32 94 43 00-0029	EA		60" x 60", >550 To 600 LB Cast Iron Tree Grate With Frame	1,617.41	118.70
			<i>For >3 To 9, Deduct</i>	-103.50	
			<i>For >9, Deduct</i>	-213.90	
32 94 43 00-0030	EA		60" x 60", >600 LB Cast Iron Tree Grate With Frame	1,667.41	118.70
			<i>For >3 To 9, Deduct</i>	-107.25	
			<i>For >9, Deduct</i>	-221.65	
32 94 43 00-0031	EA		72" x 72", Up To 550 LB Cast Iron Tree Grate With Frame	1,608.27	144.13
			<i>For >3 To 9, Deduct</i>	-99.00	
			<i>For >9, Deduct</i>	-204.60	
32 94 43 00-0032	EA		72" x 72", >550 To 600 LB Cast Iron Tree Grate With Frame	1,668.27	144.13
			<i>For >3 To 9, Deduct</i>	-103.50	
			<i>For >9, Deduct</i>	-213.90	
32 94 43 00-0033	EA		72" x 72", >600 To 650 LB Cast Iron Tree Grate With Frame	1,718.27	144.13
			<i>For >3 To 9, Deduct</i>	-107.25	
			<i>For >9, Deduct</i>	-221.65	
32 94 43 00-0034	EA		72" x 72", >650 To 700 LB Cast Iron Tree Grate With Frame	1,758.27	144.13
			<i>For >3 To 9, Deduct</i>	-110.25	
			<i>For >9, Deduct</i>	-227.85	



Exterior Improvements		32
Planting		32 90
Planting Accessories		32 94

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 94 43 00-0035 EA 72" x 72", >700 To 750 LB Cast Iron Tree Grate With Frame.....	1,788.27	144.13
For >3 To 9, Deduct	-112.50	
For >9, Deduct	-232.50	
32 94 43 00-0036 EA 72" x 72", >750 To 800 LB Cast Iron Tree Grate With Frame.....	1,808.27	144.13
For >3 To 9, Deduct	-114.00	
For >9, Deduct	-235.60	
32 94 43 00-0037 EA 72" x 72", >800 To 850 LB Cast Iron Tree Grate With Frame.....	1,818.27	144.13
For >3 To 9, Deduct	-114.75	
For >9, Deduct	-237.15	
32 94 43 00-0038 EA 72" x 72", >850 LB Cast Iron Tree Grate With Frame.....	1,828.27	144.13
For >3 To 9, Deduct	-115.50	
For >9, Deduct	-238.70	
32 94 43 00-0039 Rectangular Cast Iron Tree Grates With Frames (32 94 43 00-0001)		
32 94 43 00-0040 EA 36" x 48", 200 To 250 LB Cast Iron Tree Grate With Frame.....	810.66	67.83
For >3 To 9, Deduct	-50.63	
For >9, Deduct	-104.63	
32 94 43 00-0041 EA 36" x 60", 200 To 250 LB Cast Iron Tree Grate With Frame.....	825.66	67.83
For >3 To 9, Deduct	-51.75	
For >9, Deduct	-106.95	
32 94 43 00-0042 EA 36" x 72", 275 To 325 LB Cast Iron Tree Grate With Frame.....	1,010.57	84.79
For >3 To 9, Deduct	-63.08	
For >9, Deduct	-130.36	
32 94 43 00-0043 EA 48" x 72", Up To 350 LB Cast Iron Tree Grate With Frame.....	1,177.57	84.79
For >3 To 9, Deduct	-75.60	
For >9, Deduct	-156.24	
32 94 43 00-0044 EA 48" x 72", >350 LB Cast Iron Tree Grate With Frame.....	1,249.57	84.79
For >3 To 9, Deduct	-81.00	
For >9, Deduct	-167.40	
32 94 43 00-0045 EA 60" x 84", 700 To 750 LB Cast Iron Tree Grate With Frame.....	1,698.27	144.13
For >3 To 9, Deduct	-105.75	
For >9, Deduct	-218.55	
32 94 49 Plant And Tree Accessories (32 94)		
32 94 49 00-0001 Tree Guying (32 94 49)		
32 94 49 00-0002 Tree Guying, Stakes (32 94 49 00-0001)		
Note: Includes stakes, cross brace, double #12 gauge twisted wire and reinforced rubber hose tree wrap.		
32 94 49 00-0003 EA Tree Guying Up To 2" Caliper, 2 Stakes, Guy Wire And Wrap.....	20.20	
32 94 49 00-0004 EA Tree Guying 2" To 3" Caliper, 2 Stakes, Guy Wire And Wrap.....	35.63	
32 94 49 00-0005 EA Tree Guying 3" To 4" Caliper, 3 Stakes, Guy Wire And Wrap.....	61.27	
32 94 49 00-0006 Tree Guying, Anchors (32 94 49 00-0001)		
Note: Includes arrowhead anchor, cable, turnbuckles and wrap or reinforced rubber hose.		
32 94 49 00-0007 EA Tree Guying Up To 3" Caliper, 3" Anchors And Polypropylene Flat Rope.....	85.39	
32 94 49 00-0008 EA Tree Guying 3" To 6" Caliper, 4" Anchors And Polypropylene Flat Rope.....	115.25	
32 94 49 00-0009 EA Tree Guying 6" To 8" Caliper, 6" Anchors And Polypropylene Flat Rope.....	147.85	
32 94 49 00-0010 EA Tree Guying 8" And Up Caliper, 8" Anchors And Polypropylene Flat Rope.....	190.64	
32 94 49 00-0011 Tree Wrap (32 94 49)		
32 94 49 00-0012 EA Tree Wrap, Up To 1" Caliper Applied Ground Level To First Branches Of Tree.....	5.31	
32 94 49 00-0013 EA Tree Wrap, 1" To 2" Caliper Applied Ground Level To First Branches Of Tree.....	8.71	
32 94 49 00-0014 EA Tree Wrap, >2" To 4" Caliper Applied Ground Level To First Branches Of Tree.....	17.04	
32 94 49 00-0015 EA Tree Wrap, >4" To 6" Caliper Applied Ground Level To First Branches Of Tree.....	25.80	
32 94 49 00-0016 Tree Guards (32 94 49)		
32 94 49 00-0017 EA 3' Preformed Plastic Tree Guard.....	8.27	
32 94 49 00-0018 EA 2' Preformed Plastic Tree Guard.....	7.79	
32 94 49 00-0019 Stake Out Tree And Shrub Locations (32 94 49)		
Note: When no design available.		
32 94 49 00-0020 EA Stake Out Trees Or Shrubs.....	5.42	
32 94 49 00-0021 Root Barriers (32 94 49)		
32 94 49 00-0022 EA 12" High x 24" Long Root Barrier Panel, .080" Polypropylene, With Self Locking Joiner.....	7.54	
32 94 49 00-0023 EA 18" High x 24" Long Root Barrier Panel, .080" Polypropylene, With Self Locking Joiner.....	10.26	
32 94 49 00-0024 EA 24" High x 24" Long Root Barrier Panel, .080" Polypropylene, With Self Locking Joiner.....	12.02	
32 94 49 00-0025 EA 36" High x 24" Long Root Barrier Panel, .080" Polypropylene, With Self Locking Joiner.....	21.61	
32 94 49 00-0026 EA 48" High x 24" Long Root Barrier Panel, .080" Polypropylene, With Self Locking Joiner.....	29.51	

32 96 Transplanting (32 90)

See CSI section 32 94 49 00-0001 for guying.

32 Exterior Improvements**32 90 Planting****32 96 Transplanting**

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

32 96 33 Shrub Transplanting (32 96)

Note: Includes digging up, moving on site, digging new hole and replanting.

32 96 33 00-0001	Moving Shrubs On Site, Relocate <small>(32 96 33)</small>	
	Note: Includes digging up, moving on site, digging new hole and replanting. See CSI section 32 94 49 00-0001 for guying.	
32 96 33 00-0002	EA Up To 18" Root Ball, Move Shrubs On Site	52.86
	For >25 To 50, Deduct	-5.29
	For >50, Deduct	-7.93
32 96 33 00-0003	EA >18" To 24" Root Ball, Move Shrubs On Site.....	72.50
	For >25 To 50, Deduct	-7.25
	For >50, Deduct	-10.88
32 96 33 00-0004	EA >24" To 30" Root Ball, Move Shrubs On Site.....	90.61
	For >25 To 50, Deduct	-9.06
	For >50, Deduct	-13.59
32 96 33 00-0005	EA >30" To 36" Root Ball, Move Shrubs On Site.....	118.01
	For >25 To 50, Deduct	-11.80
	For >50, Deduct	-17.70

32 96 43 Tree Transplanting (32 96)

Note: Includes digging up, moving on site, digging new hole and replanting.

32 96 43 00-0001	Moving Trees On Site, Relocate <small>(32 96 43)</small>	
	Note: Includes digging up, moving on site, digging new hole and replanting. Excludes crane where necessary for trees over 20' tall. See CSI section 32 94 49 00-0001 for guying.	
32 96 43 00-0002	EA Up To 24" Root Ball, Move Trees On Site.....	220.81
	For >5 To 10, Deduct	-11.04
	For >10 To 20, Deduct	-22.08
	For >20, Deduct	-33.12
32 96 43 00-0003	EA >24" To 30" Root Ball, Move Trees On Site.....	302.83
	For >5 To 10, Deduct	-15.14
	For >10 To 20, Deduct	-30.28
	For >20, Deduct	-45.42
32 96 43 00-0004	EA >30" To 36" Root Ball, Move Trees On Site.....	490.70
	For >5 To 10, Deduct	-24.54
	For >10 To 20, Deduct	-49.07
	For >20, Deduct	-73.61
32 96 43 00-0005	EA >36" To 48" Root Ball, Move Trees On Site.....	815.31
	For >5 To 10, Deduct	-40.77
	For >10 To 20, Deduct	-81.53
	For >20, Deduct	-122.30
32 96 43 00-0006	EA >48" To 60" Root Ball, Move Trees On Site.....	1,324.88
	For >5 To 10, Deduct	-66.24
	For >10 To 20, Deduct	-132.49
	For >20, Deduct	-198.73
32 96 43 00-0007	EA >60" To 72" Root Ball, Move Trees On Site.....	1,709.54
	For >5 To 10, Deduct	-85.48
	For >10 To 20, Deduct	-170.95
	For >20, Deduct	-256.43
32 96 43 00-0008	EA >72" To 84" Root Ball, Move Trees On Site.....	2,208.15
	For >5 To 10, Deduct	-110.41
	For >10 To 20, Deduct	-220.82
	For >20, Deduct	-331.22
32 96 43 00-0009	EA >84" To 96" Root Ball, Move Trees On Site.....	2,649.78
	For >5 To 10, Deduct	-132.49
	For >10 To 20, Deduct	-264.98
	For >20, Deduct	-397.47
32 96 43 00-0010	EA >96" To 120" Root Ball, Move Trees On Site.....	3,011.11
	For >5 To 10, Deduct	-150.56
	For >10 To 20, Deduct	-301.11
	For >20, Deduct	-451.67

END OF SECTION 32



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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33 Utilities

33 01 Operation And Maintenance Of Utilities ⁽³³⁾

33 01 10 Operation And Maintenance Of Water Utilities ^(33 01)

33 01 10 58 Disinfection of Water Utility Piping Systems ^(33 01 10)

33 01 10 58-0001 Water Main Disinfection/Sterilization ^(33 01 10 58)

Note: Gas chlorination. Continuous or plug method.

33 01 10 58-0002	EA Setting Up And Removing Equipment For Water Main Disinfection/Sterilization, Gas Chlorination Method	791.07	
33 01 10 58-0003	EA Re-Set Up/Move Equipment For Water Main Disinfection/Sterilization, Gas Chlorination Method	395.53	
33 01 10 58-0004	LF Up To 4" Diameter Pipe Water Main Disinfection/Sterilization.....	0.29	
	For >250 To 500, Deduct	-0.01	
	For >500 To 1,000, Deduct	-0.03	
	For >1,000 To 2,000, Deduct	-0.04	
	For >2,000 To 5,000, Deduct	-0.06	
	For >5,000, Deduct	-0.07	
33 01 10 58-0005	LF 6" Diameter Pipe Water Main Disinfection/Sterilization.....	0.45	
	For >250 To 500, Deduct	-0.02	
	For >500 To 1,000, Deduct	-0.05	
	For >1,000 To 2,000, Deduct	-0.07	
	For >2,000 To 5,000, Deduct	-0.09	
	For >5,000, Deduct	-0.11	
33 01 10 58-0006	LF 8" Diameter Pipe Water Main Disinfection/Sterilization.....	0.59	
	For >250 To 500, Deduct	-0.03	
	For >500 To 1,000, Deduct	-0.06	
	For >1,000 To 2,000, Deduct	-0.09	
	For >2,000 To 5,000, Deduct	-0.12	
	For >5,000, Deduct	-0.15	
33 01 10 58-0007	LF 10" Diameter Pipe Water Main Disinfection/Sterilization.....	0.70	
	For >250 To 500, Deduct	-0.04	
	For >500 To 1,000, Deduct	-0.07	
	For >1,000 To 2,000, Deduct	-0.11	
	For >2,000 To 5,000, Deduct	-0.14	
	For >5,000, Deduct	-0.18	
33 01 10 58-0008	LF 12" Diameter Pipe Water Main Disinfection/Sterilization.....	0.92	
	For >250 To 500, Deduct	-0.05	
	For >500 To 1,000, Deduct	-0.09	
	For >1,000 To 2,000, Deduct	-0.14	
	For >2,000 To 5,000, Deduct	-0.18	
	For >5,000, Deduct	-0.23	
33 01 10 58-0009	LF >12" To 16" Diameter Pipe Water Main Disinfection/Sterilization	1.04	
	For >250 To 500, Deduct	-0.05	
	For >500 To 1,000, Deduct	-0.10	
	For >1,000 To 2,000, Deduct	-0.16	
	For >2,000 To 5,000, Deduct	-0.21	
	For >5,000, Deduct	-0.26	
33 01 10 58-0010	LF >16" To 24" Diameter Pipe Water Main Disinfection/Sterilization	1.19	
	For >250 To 500, Deduct	-0.06	
	For >500 To 1,000, Deduct	-0.12	
	For >1,000 To 2,000, Deduct	-0.18	
	For >2,000 To 5,000, Deduct	-0.24	
	For >5,000, Deduct	-0.30	
33 01 10 58-0011	LF >24" To 30" Diameter Pipe Water Main Disinfection/Sterilization	1.39	
	For >250 To 500, Deduct	-0.07	
	For >500 To 1,000, Deduct	-0.14	
	For >1,000 To 2,000, Deduct	-0.21	
	For >2,000 To 5,000, Deduct	-0.28	
	For >5,000, Deduct	-0.35	
33 01 10 58-0012	LF >30" To 42" Diameter Pipe Water Main Disinfection/Sterilization	1.80	
	For >250 To 500, Deduct	-0.09	
	For >500 To 1,000, Deduct	-0.18	
	For >1,000 To 2,000, Deduct	-0.27	
	For >2,000 To 5,000, Deduct	-0.36	
	For >5,000, Deduct	-0.45	
33 01 10 58-0013	LF >42" To 60" Diameter Pipe Water Main Disinfection/Sterilization	2.63	
	For >250 To 500, Deduct	-0.13	
	For >500 To 1,000, Deduct	-0.26	
	For >1,000 To 2,000, Deduct	-0.39	
	For >2,000 To 5,000, Deduct	-0.53	
	For >5,000, Deduct	-0.66	
33 01 10 58-0014	LF >60" Diameter Pipe Water Main Disinfection/Sterilization.....	3.65	
	For >250 To 500, Deduct	-0.18	
	For >500 To 1,000, Deduct	-0.37	
	For >1,000 To 2,000, Deduct	-0.55	
	For >2,000 To 5,000, Deduct	-0.73	
	For >5,000, Deduct	-0.91	

33 01 30 Operation And Maintenance Of Sewer Utilities ^(33 01)

33 01 30 11 Television Inspection Of Pipelines ^(33 01 30)

33 Utilities**33 01 Operation And Maintenance Of Utilities****33 01 30 Operation And Maintenance Of Sewer Utilities**

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

Note: Rotating head color camera. Includes all log records and color video tape, DVD or CD.

33 01 30 11-0001	Remote Visual inspection (RVI) Of Pipe Interior And Culverts <small>(33 01 30 11)</small>		
33 01 30 11-0002	Video Camera Set-up <small>(33 01 30 11-0001)</small>		
33 01 30 11-0003	EA Initial Set Up For "Push Camera" Video Camera Inspection, 1" To 12" Diameter Pipe Or Culvert .....681.55 Note: A "push camera" is a straight view camera at the end of a rigid push rod for 1"-12" diameter pipes for distances up to 300 feet.		
33 01 30 11-0004	EA Initial Set Up For "Crawler" Video Camera Inspection, 4" To 30" Diameter Pipe Or Culvert.....1,363.11 Note: Crawlers are generally remotely operated vehicles (ROVs) for longer distances (over 300) and for larger diameters (4" and larger).		
33 01 30 11-0005	EA Initial Set Up For "Crawler" Video Camera Inspection, >30" Diameter Pipe Or Culvert .....2,044.66		
33 01 30 11-0006	EA Re-Set Up/Move For "Push Camera" Video Camera Inspection, 1" To 12" Diameter Pipe Or Culvert .....340.78		
33 01 30 11-0007	EA Re-Set Up/Move For "Crawler" Video Camera Inspection, 4" And Larger Diameter Pipe Or Culvert .....681.55		
33 01 30 11-0008	Video Camera Planning And Analysis Inspection <small>(33 01 30 11-0001)</small>		
	Note: For pipe interior and culverts.		
33 01 30 11-0009	LF 4" To 6" Diameter Pipe Inspection, Planning/Analysis Phase.....1.73 Note: CCTV inspection of pipe interior.		
	For >500 To 1,000, Deduct	-0.17	
	For >1,000 To 5,000, Deduct	-0.43	
	For >5,000, Deduct	-0.61	
33 01 30 11-0010	LF >6" To 12" Diameter Pipe Inspection, Planning/Analysis Phase.....2.31 Note: CCTV inspection of pipe interior.		
	For >500 To 1,000, Deduct	-0.23	
	For >1,000 To 5,000, Deduct	-0.58	
	For >5,000, Deduct	-0.81	
33 01 30 11-0011	LF >12" To 21" Diameter Pipe Inspection, Planning/Analysis Phase.....2.88 Note: CCTV inspection of pipe interior.		
	For >500 To 1,000, Deduct	-0.29	
	For >1,000 To 5,000, Deduct	-0.72	
	For >5,000, Deduct	-1.01	
33 01 30 11-0012	LF >21" To 30" Diameter Pipe Inspection, Planning/Analysis Phase.....3.84 Note: CCTV inspection of pipe interior.		
	For >500 To 1,000, Deduct	-0.38	
	For >1,000 To 5,000, Deduct	-0.96	
	For >5,000, Deduct	-1.34	
33 01 30 11-0013	LF >30" To 42" Diameter Pipe Inspection, Planning/Analysis Phase.....5.40 Note: CCTV inspection of pipe interior.		
	For >500 To 1,000, Deduct	-0.54	
	For >1,000 To 5,000, Deduct	-1.35	
	For >5,000, Deduct	-1.89	
33 01 30 11-0014	LF >42" To 60" Diameter Pipe Inspection, Planning/Analysis Phase.....7.20 Note: CCTV inspection of pipe interior.		
	For >500 To 1,000, Deduct	-0.72	
	For >1,000 To 5,000, Deduct	-1.80	
	For >5,000, Deduct	-2.52	
33 01 30 11-0015	LF >60" To 72" Diameter Pipe Inspection, Planning/Analysis Phase.....10.17 Note: CCTV inspection of pipe interior.		
	For >500 To 1,000, Deduct	-1.02	
	For >1,000 To 5,000, Deduct	-2.54	
	For >5,000, Deduct	-3.56	
33 01 30 11-0016	LF >72" To 84" Diameter Pipe Inspection, Planning/Analysis Phase.....14.39 Note: CCTV inspection of pipe interior.		
	For >500 To 1,000, Deduct	-1.44	
	For >1,000 To 5,000, Deduct	-3.60	
	For >5,000, Deduct	-5.04	
33 01 30 11-0017	Video Camera Pre-Rehab For Pipe Interior And Culverts <small>(33 01 30 11-0001)</small>		
33 01 30 11-0018	LF 4" To 6" Diameter Pipe Inspection, Pre-Rehabilitation Phase.....2.56 Note: CCTV inspection of pipe interior.		
	For >500 To 1,000, Deduct	-0.26	
	For >1,000 To 5,000, Deduct	-0.64	
	For >5,000, Deduct	-0.90	
33 01 30 11-0019	LF >6" To 12" Diameter Pipe Inspection, Pre-Rehabilitation Phase.....3.41 Note: CCTV inspection of pipe interior.		
	For >500 To 1,000, Deduct	-0.34	
	For >1,000 To 5,000, Deduct	-0.85	
	For >5,000, Deduct	-1.19	
33 01 30 11-0020	LF >12" To 21" Diameter Pipe Inspection, Pre-Rehabilitation Phase.....4.26 Note: CCTV inspection of pipe interior.		
	For >500 To 1,000, Deduct	-0.43	
	For >1,000 To 5,000, Deduct	-1.07	
	For >5,000, Deduct	-1.49	
33 01 30 11-0021	LF >21" To 30" Diameter Pipe Inspection, Pre-Rehabilitation Phase.....5.68 Note: CCTV inspection of pipe interior.		
	For >500 To 1,000, Deduct	-0.57	
	For >1,000 To 5,000, Deduct	-1.42	
	For >5,000, Deduct	-1.99	
33 01 30 11-0022	LF >30" To 42" Diameter Pipe Inspection, Pre-Rehabilitation Phase.....7.99 Note: CCTV inspection of pipe interior.		
	For >500 To 1,000, Deduct	-0.80	
	For >1,000 To 5,000, Deduct	-2.00	
	For >5,000, Deduct	-2.80	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 11-0023 LF >42" To 60" Diameter Pipe Inspection, Pre-Rehabilitation Phase 10.65 Note: CCTV inspection of pipe interior. For >500 To 1,000, Deduct -1.07 For >1,000 To 5,000, Deduct -2.66 For >5,000, Deduct -3.73	10.65	
33 01 30 11-0024 LF >60" To 72" Diameter Pipe Inspection, Pre-Rehabilitation Phase 15.04 Note: CCTV inspection of pipe interior. For >500 To 1,000, Deduct -1.50 For >1,000 To 5,000, Deduct -3.76 For >5,000, Deduct -5.26	15.04	
33 01 30 11-0025 LF >72" To 84" Diameter Pipe Inspection, Pre-Rehabilitation Phase 21.29 Note: CCTV inspection of pipe interior. For >500 To 1,000, Deduct -2.13 For >1,000 To 5,000, Deduct -5.32 For >5,000, Deduct -7.45	21.29	
33 01 30 11-0026 Video Camera Post-Rehab For Pipe Interior And Culverts (33 01 30 11-0001)		
33 01 30 11-0027 LF 4" To 6" Diameter Pipe Inspection, Post-Rehabilitation Phase 1.83 Note: CCTV inspection of pipe interior. For >500 To 1,000, Deduct -0.18 For >1,000 To 5,000, Deduct -0.46 For >5,000, Deduct -0.64	1.83	
33 01 30 11-0028 LF >6" To 12" Diameter Pipe Inspection, Post-Rehabilitation Phase 2.43 Note: CCTV inspection of pipe interior. For >500 To 1,000, Deduct -0.24 For >1,000 To 5,000, Deduct -0.61 For >5,000, Deduct -0.85	2.43	
33 01 30 11-0029 LF >12" To 21" Diameter Pipe Inspection, Post-Rehabilitation Phase 3.04 Note: CCTV inspection of pipe interior. For >500 To 1,000, Deduct -0.30 For >1,000 To 5,000, Deduct -0.76 For >5,000, Deduct -1.06	3.04	
33 01 30 11-0030 LF >21" To 30" Diameter Pipe Inspection, Post-Rehabilitation Phase 4.06 Note: CCTV inspection of pipe interior. For >500 To 1,000, Deduct -0.41 For >1,000 To 5,000, Deduct -1.02 For >5,000, Deduct -1.42	4.06	
33 01 30 11-0031 LF >30" To 42" Diameter Pipe Inspection, Post-Rehabilitation Phase 5.70 Note: CCTV inspection of pipe interior. For >500 To 1,000, Deduct -0.57 For >1,000 To 5,000, Deduct -1.43 For >5,000, Deduct -2.00	5.70	
33 01 30 11-0032 LF >42" To 60" Diameter Pipe Inspection, Post-Rehabilitation Phase 7.61 Note: CCTV inspection of pipe interior. For >500 To 1,000, Deduct -0.76 For >1,000 To 5,000, Deduct -1.90 For >5,000, Deduct -2.66	7.61	
33 01 30 11-0033 LF >60" To 72" Diameter Pipe Inspection, Post-Rehabilitation Phase 10.74 Note: CCTV inspection of pipe interior. For >500 To 1,000, Deduct -1.07 For >1,000 To 5,000, Deduct -2.69 For >5,000, Deduct -3.76	10.74	
33 01 30 11-0034 LF >72" To 84" Diameter Pipe Inspection, Post-Rehabilitation Phase 15.21 Note: CCTV inspection of pipe interior. For >500 To 1,000, Deduct -1.52 For >1,000 To 5,000, Deduct -3.80 For >5,000, Deduct -5.32	15.21	
33 01 30 23 Pipe Bursting (33 01 30)		
33 01 30 23-0001 Pipe Bursting (33 01 30 23) Note: The following section excludes costs for CCTV Inspection, sewer cleaning, pavement both temporary and permanent, emergency after hours response for homeowners backups, bypass pumping, tree removal, service saddles, soil testing, and erosion control. See CSI section 31 13 13 00-0001 for tree removal.		
33 01 30 23-0002 Manhole Chipping (33 01 30 23-0001) Note: For use at manholes to open holes for pipe bursting head.		
33 01 30 23-0003 EA 6" To 15" Diameter, Manhole Chipping..... 310.14	310.14	
33 01 30 23-0004 EA >15" To 24" Diameter, Manhole Chipping..... 364.12	364.12	
33 01 30 23-0005 EA >24" To 36" Diameter, Manhole Chipping..... 455.11	455.11	
33 01 30 23-0006 Pipe Bursting (33 01 30 23-0001) Note: Includes equipment to burst or upsize existing clay, cast iron, concrete, PVC or ductile iron pipe; pipe bursting royalty fee. Excludes CCTV inspection, PE piping, excavation of pit, backfill, compaction, final grade, seed and sod restoration, recovery of bursting head disabled by obstruction, either undocumented or unrecognizable during CCTV inspection. See CSI section 33 01 30 23-0047 for PE piping.		
33 01 30 23-0007 Pipe Bursting Equipment Set-up (33 01 30 23-0006)		
33 01 30 23-0008 EA Initial Set-up Pipe Bursting Equipment 5,666.54	5,666.54	
33 01 30 23-0009 EA Re-Set Up/Move Pipe Bursting Equipment 2,833.27	2,833.27	
33 01 30 23-0010 EA Set Up/Move Pipe Bursting Equipment For Laterals..... 1,416.64	1,416.64	

33 Utilities**33 01 Operation And Maintenance Of Utilities****33 01 30 Operation And Maintenance Of Sewer Utilities**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 23-0011			Pneumatic Head Pipe Bursting <small>(33 01 30 23-0006)</small>		
33 01 30 23-0012	LF		4" Diameter, Pneumatic Head Pipe Bursting	17.73	
			<i>For The Increase In Pipe Diameter By 1 Pipe Size, Add</i>	0.99	
			<i>For >150 To 200, Add</i>	0.64	
			<i>For >100 To 150, Add</i>	1.29	
			<i>For >75 To 100, Add</i>	1.93	
			<i>For >50 To 75, Add</i>	2.58	
			<i>For >25 To 50, Add</i>	3.86	
			<i>For Up To 25, Add</i>	5.80	
			<i>For Bursting Polyvinyl Chloride (PVC) Pipe, Add</i>	1.29	
			<i>For Bursting Ductile Iron Pipe, Add</i>	3.22	
33 01 30 23-0013	LF		6" Diameter, Pneumatic Head Pipe Bursting	20.82	
			<i>For The Increase In Pipe Diameter By 1 Pipe Size, Add</i>	1.23	
			<i>For >150 To 200, Add</i>	0.80	
			<i>For >100 To 150, Add</i>	1.60	
			<i>For >75 To 100, Add</i>	2.40	
			<i>For >50 To 75, Add</i>	3.19	
			<i>For >25 To 50, Add</i>	4.79	
			<i>For Up To 25, Add</i>	7.19	
			<i>For Bursting Polyvinyl Chloride (PVC) Pipe, Add</i>	1.60	
			<i>For Bursting Ductile Iron Pipe, Add</i>	3.99	
33 01 30 23-0014	LF		8" Diameter, Pneumatic Head Pipe Bursting	23.73	
			<i>For The Increase In Pipe Diameter By 1 Pipe Size, Add</i>	1.45	
			<i>For >150 To 200, Add</i>	0.94	
			<i>For >100 To 150, Add</i>	1.89	
			<i>For >75 To 100, Add</i>	2.83	
			<i>For >50 To 75, Add</i>	3.78	
			<i>For >25 To 50, Add</i>	5.66	
			<i>For Up To 25, Add</i>	8.50	
			<i>For Bursting Polyvinyl Chloride (PVC) Pipe, Add</i>	1.89	
			<i>For Bursting Ductile Iron Pipe, Add</i>	4.72	
33 01 30 23-0015	LF		10" Diameter, Pneumatic Head Pipe Bursting	27.47	
			<i>For The Increase In Pipe Diameter By 1 Pipe Size, Add</i>	1.74	
			<i>For >150 To 200, Add</i>	1.13	
			<i>For >100 To 150, Add</i>	2.26	
			<i>For >75 To 100, Add</i>	3.39	
			<i>For >50 To 75, Add</i>	4.52	
			<i>For >25 To 50, Add</i>	6.79	
			<i>For Up To 25, Add</i>	10.18	
			<i>For Bursting Polyvinyl Chloride (PVC) Pipe, Add</i>	2.26	
			<i>For Bursting Ductile Iron Pipe, Add</i>	5.66	
33 01 30 23-0016	LF		12" Diameter, Pneumatic Head Pipe Bursting	31.79	
			<i>For The Increase In Pipe Diameter By 1 Pipe Size, Add</i>	2.07	
			<i>For >150 To 200, Add</i>	1.35	
			<i>For >100 To 150, Add</i>	2.69	
			<i>For >75 To 100, Add</i>	4.04	
			<i>For >50 To 75, Add</i>	5.39	
			<i>For >25 To 50, Add</i>	8.08	
			<i>For Up To 25, Add</i>	12.12	
			<i>For Bursting Polyvinyl Chloride (PVC) Pipe, Add</i>	2.69	
			<i>For Bursting Ductile Iron Pipe, Add</i>	6.74	
33 01 30 23-0017	LF		15" Diameter, Pneumatic Head Pipe Bursting	34.50	
			<i>For The Increase In Pipe Diameter By 1 Pipe Size, Add</i>	2.14	
			<i>For >150 To 200, Add</i>	1.39	
			<i>For >100 To 150, Add</i>	2.78	
			<i>For >75 To 100, Add</i>	4.17	
			<i>For >50 To 75, Add</i>	5.56	
			<i>For >25 To 50, Add</i>	8.34	
			<i>For Up To 25, Add</i>	12.51	
			<i>For Bursting Polyvinyl Chloride (PVC) Pipe, Add</i>	2.78	
			<i>For Bursting Ductile Iron Pipe, Add</i>	6.95	
33 01 30 23-0018	LF		18" Diameter, Pneumatic Head Pipe Bursting	38.84	
			<i>For The Increase In Pipe Diameter By 1 Pipe Size, Add</i>	2.47	
			<i>For >150 To 200, Add</i>	1.61	
			<i>For >100 To 150, Add</i>	3.21	
			<i>For >75 To 100, Add</i>	4.82	
			<i>For >50 To 75, Add</i>	6.43	
			<i>For >25 To 50, Add</i>	9.64	
			<i>For Up To 25, Add</i>	14.46	
			<i>For Bursting Polyvinyl Chloride (PVC) Pipe, Add</i>	3.21	
			<i>For Bursting Ductile Iron Pipe, Add</i>	8.04	
33 01 30 23-0019	LF		21"/22" Diameter, Pneumatic Head Pipe Bursting	48.27	
			<i>For The Increase In Pipe Diameter By 1 Pipe Size, Add</i>	2.94	
			<i>For >150 To 200, Add</i>	1.91	
			<i>For >100 To 150, Add</i>	3.82	
			<i>For >75 To 100, Add</i>	5.73	
			<i>For >50 To 75, Add</i>	7.64	
			<i>For >25 To 50, Add</i>	11.47	
			<i>For Up To 25, Add</i>	17.20	
			<i>For Bursting Polyvinyl Chloride (PVC) Pipe, Add</i>	3.82	
			<i>For Bursting Ductile Iron Pipe, Add</i>	9.56	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 23-0020 LF 24" Diameter, Pneumatic Head Pipe Bursting	60.57	
For The Increase In Pipe Diameter By 1 Pipe Size, Add	3.89	
For >150 To 200, Add	2.53	
For >100 To 150, Add	5.05	
For >75 To 100, Add	7.58	
For >50 To 75, Add	10.10	
For >25 To 50, Add	15.16	
For Up To 25, Add	22.73	
For Bursting Polyvinyl Chloride (PVC) Pipe, Add	5.05	
For Bursting Ductile Iron Pipe, Add	12.63	
33 01 30 23-0021 LF 30" Diameter, Pneumatic Head Pipe Bursting	65.80	
For The Increase In Pipe Diameter By 1 Pipe Size, Add	4.04	
For >150 To 200, Add	2.62	
For >100 To 150, Add	5.24	
For >75 To 100, Add	7.86	
For >50 To 75, Add	10.48	
For >25 To 50, Add	15.72	
For Up To 25, Add	23.58	
For Bursting Polyvinyl Chloride (PVC) Pipe, Add	5.24	
For Bursting Ductile Iron Pipe, Add	13.10	
33 01 30 23-0022 LF 36" Diameter, Pneumatic Head Pipe Bursting	85.86	
For The Increase In Pipe Diameter By 1 Pipe Size, Add	5.58	
For >150 To 200, Add	3.62	
For >100 To 150, Add	7.25	
For >75 To 100, Add	10.87	
For >50 To 75, Add	14.49	
For >25 To 50, Add	21.74	
For Up To 25, Add	32.61	
For Bursting Polyvinyl Chloride (PVC) Pipe, Add	7.25	
For Bursting Ductile Iron Pipe, Add	18.12	
33 01 30 23-0023 Static Head Pipe Bursting <small>(33 01 30 23-0006)</small>	24.00	
33 01 30 23-0024 LF 4" Diameter, Static Head Pipe Bursting	24.00	
For The Increase In Pipe Diameter By 1 Pipe Size, Add	1.47	
For >150 To 200, Add	0.96	
For >100 To 150, Add	1.92	
For >75 To 100, Add	2.87	
For >50 To 75, Add	3.83	
For >25 To 50, Add	5.75	
For Up To 25, Add	8.62	
For Bursting Polyvinyl Chloride (PVC) Pipe, Add	1.92	
For Bursting Ductile Iron Pipe, Add	4.79	
33 01 30 23-0025 LF 6" Diameter, Static Head Pipe Bursting	27.10	
For The Increase In Pipe Diameter By 1 Pipe Size, Add	1.71	
For >150 To 200, Add	1.11	
For >100 To 150, Add	2.23	
For >75 To 100, Add	3.34	
For >50 To 75, Add	4.45	
For >25 To 50, Add	6.68	
For Up To 25, Add	10.01	
For Bursting Polyvinyl Chloride (PVC) Pipe, Add	2.23	
For Bursting Ductile Iron Pipe, Add	5.56	
33 01 30 23-0026 LF 8" Diameter, Static Head Pipe Bursting	30.70	
For The Increase In Pipe Diameter By 1 Pipe Size, Add	1.99	
For >150 To 200, Add	1.29	
For >100 To 150, Add	2.59	
For >75 To 100, Add	3.88	
For >50 To 75, Add	5.17	
For >25 To 50, Add	7.76	
For Up To 25, Add	11.63	
For Bursting Polyvinyl Chloride (PVC) Pipe, Add	2.59	
For Bursting Ductile Iron Pipe, Add	6.46	
33 01 30 23-0027 LF 10" Diameter, Static Head Pipe Bursting	35.38	
For The Increase In Pipe Diameter By 1 Pipe Size, Add	2.35	
For >150 To 200, Add	1.53	
For >100 To 150, Add	3.05	
For >75 To 100, Add	4.58	
For >50 To 75, Add	6.11	
For >25 To 50, Add	9.16	
For Up To 25, Add	13.74	
For Bursting Polyvinyl Chloride (PVC) Pipe, Add	3.05	
For Bursting Ductile Iron Pipe, Add	7.63	
33 01 30 23-0028 LF 12" Diameter, Static Head Pipe Bursting	40.78	
For The Increase In Pipe Diameter By 1 Pipe Size, Add	2.77	
For >150 To 200, Add	1.80	
For >100 To 150, Add	3.59	
For >75 To 100, Add	5.39	
For >50 To 75, Add	7.19	
For >25 To 50, Add	10.78	
For Up To 25, Add	16.17	
For Bursting Polyvinyl Chloride (PVC) Pipe, Add	3.59	
For Bursting Ductile Iron Pipe, Add	8.98	

33 Utilities**33 01 Operation And Maintenance Of Utilities****33 01 30 Operation And Maintenance Of Sewer Utilities**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 23-0029 LF 15" Diameter, Static Head Pipe Bursting	46.07	
For The Increase In Pipe Diameter By 1 Pipe Size, Add	3.03	
For >150 To 200, Add	1.97	
For >100 To 150, Add	3.94	
For >75 To 100, Add	5.91	
For >50 To 75, Add	7.87	
For >25 To 50, Add	11.81	
For Up To 25, Add	17.72	
For Bursting Polyvinyl Chloride (PVC) Pipe, Add	3.94	
For Bursting Ductile Iron Pipe, Add	9.84	
33 01 30 23-0030 LF 18" Diameter, Static Head Pipe Bursting	51.25	
For The Increase In Pipe Diameter By 1 Pipe Size, Add	3.43	
For >150 To 200, Add	2.23	
For >100 To 150, Add	4.46	
For >75 To 100, Add	6.68	
For >50 To 75, Add	8.91	
For >25 To 50, Add	13.37	
For Up To 25, Add	20.05	
For Bursting Polyvinyl Chloride (PVC) Pipe, Add	4.46	
For Bursting Ductile Iron Pipe, Add	11.14	
33 01 30 23-0031 LF 21"/22" Diameter, Static Head Pipe Bursting	63.40	
For The Increase In Pipe Diameter By 1 Pipe Size, Add	4.11	
For >150 To 200, Add	2.67	
For >100 To 150, Add	5.34	
For >75 To 100, Add	8.00	
For >50 To 75, Add	10.67	
For >25 To 50, Add	16.01	
For Up To 25, Add	24.01	
For Bursting Polyvinyl Chloride (PVC) Pipe, Add	5.34	
For Bursting Ductile Iron Pipe, Add	13.34	
33 01 30 23-0032 LF 24" Diameter, Static Head Pipe Bursting	82.60	
For The Increase In Pipe Diameter By 1 Pipe Size, Add	5.59	
For >150 To 200, Add	3.63	
For >100 To 150, Add	7.26	
For >75 To 100, Add	10.88	
For >50 To 75, Add	14.51	
For >25 To 50, Add	21.77	
For Up To 25, Add	32.65	
For Bursting Polyvinyl Chloride (PVC) Pipe, Add	7.26	
For Bursting Ductile Iron Pipe, Add	18.14	
33 01 30 23-0033 LF 30" Diameter, Static Head Pipe Bursting	100.08	
For The Increase In Pipe Diameter By 1 Pipe Size, Add	6.68	
For >150 To 200, Add	4.33	
For >100 To 150, Add	8.67	
For >75 To 100, Add	13.00	
For >50 To 75, Add	17.34	
For >25 To 50, Add	26.01	
For Up To 25, Add	39.01	
For Bursting Polyvinyl Chloride (PVC) Pipe, Add	8.67	
For Bursting Ductile Iron Pipe, Add	21.67	
33 01 30 23-0034 LF 36" Diameter, Static Head Pipe Bursting	122.07	
For The Increase In Pipe Diameter By 1 Pipe Size, Add	8.37	
For >150 To 200, Add	5.43	
For >100 To 150, Add	10.87	
For >75 To 100, Add	16.30	
For >50 To 75, Add	21.74	
For >25 To 50, Add	32.60	
For Up To 25, Add	48.91	
For Bursting Polyvinyl Chloride (PVC) Pipe, Add	10.87	
For Bursting Ductile Iron Pipe, Add	27.17	
33 01 30 23-0035 Hydraulic Head Pipe Bursting (33 01 30 23-0006)		
33 01 30 23-0036 LF 4" Diameter, Hydraulic Head Pipe Bursting	20.59	
For The Increase In Pipe Diameter By 1 Pipe Size, Add	1.21	
For >150 To 200, Add	0.79	
For >100 To 150, Add	1.57	
For >75 To 100, Add	2.36	
For >50 To 75, Add	3.15	
For >25 To 50, Add	4.72	
For Up To 25, Add	7.08	
For Bursting Polyvinyl Chloride (PVC) Pipe, Add	1.57	
For Bursting Ductile Iron Pipe, Add	3.94	
33 01 30 23-0037 LF 6" Diameter, Hydraulic Head Pipe Bursting	23.35	
For The Increase In Pipe Diameter By 1 Pipe Size, Add	1.42	
For >150 To 200, Add	0.93	
For >100 To 150, Add	1.85	
For >75 To 100, Add	2.78	
For >50 To 75, Add	3.70	
For >25 To 50, Add	5.55	
For Up To 25, Add	8.33	
For Bursting Polyvinyl Chloride (PVC) Pipe, Add	1.85	
For Bursting Ductile Iron Pipe, Add	4.63	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 23-0038 LF 8" Diameter, Hydraulic Head Pipe Bursting	26.51	
For The Increase In Pipe Diameter By 1 Pipe Size, Add	1.67	
For >150 To 200, Add	1.08	
For >100 To 150, Add	2.17	
For >75 To 100, Add	3.25	
For >50 To 75, Add	4.33	
For >25 To 50, Add	6.50	
For Up To 25, Add	9.75	
For Bursting Polyvinyl Chloride (PVC) Pipe, Add	2.17	
For Bursting Ductile Iron Pipe, Add	5.42	
33 01 30 23-0039 LF 10" Diameter, Hydraulic Head Pipe Bursting	30.64	
For The Increase In Pipe Diameter By 1 Pipe Size, Add	1.99	
For >150 To 200, Add	1.29	
For >100 To 150, Add	2.58	
For >75 To 100, Add	3.87	
For >50 To 75, Add	5.16	
For >25 To 50, Add	7.74	
For Up To 25, Add	11.61	
For Bursting Polyvinyl Chloride (PVC) Pipe, Add	2.58	
For Bursting Ductile Iron Pipe, Add	6.45	
33 01 30 23-0040 LF 12" Diameter, Hydraulic Head Pipe Bursting	35.38	
For The Increase In Pipe Diameter By 1 Pipe Size, Add	2.35	
For >150 To 200, Add	1.53	
For >100 To 150, Add	3.05	
For >75 To 100, Add	4.58	
For >50 To 75, Add	6.11	
For >25 To 50, Add	9.16	
For Up To 25, Add	13.74	
For Bursting Polyvinyl Chloride (PVC) Pipe, Add	3.05	
For Bursting Ductile Iron Pipe, Add	7.63	
33 01 30 23-0041 LF 15" Diameter, Hydraulic Head Pipe Bursting	39.78	
For The Increase In Pipe Diameter By 1 Pipe Size, Add	2.55	
For >150 To 200, Add	1.65	
For >100 To 150, Add	3.31	
For >75 To 100, Add	4.96	
For >50 To 75, Add	6.62	
For >25 To 50, Add	9.92	
For Up To 25, Add	14.89	
For Bursting Polyvinyl Chloride (PVC) Pipe, Add	3.31	
For Bursting Ductile Iron Pipe, Add	8.27	
33 01 30 23-0042 LF 18" Diameter, Hydraulic Head Pipe Bursting	44.87	
For The Increase In Pipe Diameter By 1 Pipe Size, Add	2.94	
For >150 To 200, Add	1.91	
For >100 To 150, Add	3.82	
For >75 To 100, Add	5.73	
For >50 To 75, Add	7.63	
For >25 To 50, Add	11.45	
For Up To 25, Add	17.18	
For Bursting Polyvinyl Chloride (PVC) Pipe, Add	3.82	
For Bursting Ductile Iron Pipe, Add	9.54	
33 01 30 23-0043 LF 21"/22" Diameter, Hydraulic Head Pipe Bursting	55.76	
For The Increase In Pipe Diameter By 1 Pipe Size, Add	3.52	
For >150 To 200, Add	2.29	
For >100 To 150, Add	4.57	
For >75 To 100, Add	6.86	
For >50 To 75, Add	9.14	
For >25 To 50, Add	13.71	
For Up To 25, Add	20.57	
For Bursting Polyvinyl Chloride (PVC) Pipe, Add	4.57	
For Bursting Ductile Iron Pipe, Add	11.43	
33 01 30 23-0044 LF 24" Diameter, Hydraulic Head Pipe Bursting	73.44	
For The Increase In Pipe Diameter By 1 Pipe Size, Add	4.88	
For >150 To 200, Add	3.17	
For >100 To 150, Add	6.34	
For >75 To 100, Add	9.51	
For >50 To 75, Add	12.68	
For >25 To 50, Add	19.02	
For Up To 25, Add	28.53	
For Bursting Polyvinyl Chloride (PVC) Pipe, Add	6.34	
For Bursting Ductile Iron Pipe, Add	15.85	
33 01 30 23-0045 LF 30" Diameter, Hydraulic Head Pipe Bursting	89.80	
For The Increase In Pipe Diameter By 1 Pipe Size, Add	5.88	
For >150 To 200, Add	3.82	
For >100 To 150, Add	7.64	
For >75 To 100, Add	11.46	
For >50 To 75, Add	15.28	
For >25 To 50, Add	22.92	
For Up To 25, Add	34.38	
For Bursting Polyvinyl Chloride (PVC) Pipe, Add	7.64	
For Bursting Ductile Iron Pipe, Add	19.10	

33 Utilities**33 01 Operation And Maintenance Of Utilities****33 01 30 Operation And Maintenance Of Sewer Utilities**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 23-0046 LF 36" Diameter, Hydraulic Head Pipe Bursting	110.71	
For The Increase In Pipe Diameter By 1 Pipe Size, Add	7.49	
For >150 To 200, Add	4.87	
For >100 To 150, Add	9.73	
For >75 To 100, Add	14.60	
For >50 To 75, Add	19.46	
For >25 To 50, Add	29.20	
For Up To 25, Add	43.79	
For Bursting Polyvinyl Chloride (PVC) Pipe, Add	9.73	
For Bursting Ductile Iron Pipe, Add	24.33	
33 01 30 23-0047 Pipe Lining (33 01 30 23-0001)		
33 01 30 23-0048 Pipe Fusion For High Density Polyethylene (HDPE) Pipe Lining (33 01 30 23-0047)		
Note: Per each joint.		
33 01 30 23-0049 EA 4" To 15", Pipe Fusion For High Density Polyethylene (HDPE) Pipe Lining	94.00	
33 01 30 23-0050 EA >15" To 24", Pipe Fusion For High Density Polyethylene (HDPE) Pipe Lining	107.85	
33 01 30 23-0051 EA >24" To 36", Pipe Fusion For High Density Polyethylene (HDPE) Pipe Lining	128.63	
33 01 30 23-0052 High Density Polyethylene (HDPE) Pipe Lining, DR 17 (33 01 30 23-0047)		
Note: Material only, to be installed behind bursting head. Excludes pipe joint fusion. See CSI section 33 01 30 23-0048 for pipe joint fusion.		
33 01 30 23-0053 LF 4" DR 17 Polyethylene Pipe, 100 PSI, For Use In Pipe Lining.....	2.73	
For DR 21 Polyethylene Pipe, 80 PSI, Deduct	-0.28	
For DR 11 Polyethylene Pipe, 160 PSI, Add	0.76	
For White Interior Pipe, Add	0.51	
For Gray Interior Pipe, Add	0.39	
33 01 30 23-0054 LF 5" DR 17 Polyethylene Pipe, 100 PSI, For Use In Pipe Lining.....	3.56	
For DR 21 Polyethylene Pipe, 80 PSI, Deduct	-0.42	
For DR 11 Polyethylene Pipe, 160 PSI, Add	1.15	
For White Interior Pipe, Add	0.78	
For Gray Interior Pipe, Add	0.59	
33 01 30 23-0055 LF 6" DR 17 Polyethylene Pipe, 100 PSI, For Use In Pipe Lining.....	5.02	
For DR 21 Polyethylene Pipe, 80 PSI, Deduct	-0.68	
For DR 11 Polyethylene Pipe, 160 PSI, Add	1.85	
For White Interior Pipe, Add	1.25	
For Gray Interior Pipe, Add	0.95	
33 01 30 23-0056 LF 7.125" DR 17 Polyethylene Pipe, 100 PSI, For Use In Pipe Lining.....	5.63	
For DR 21 Polyethylene Pipe, 80 PSI, Deduct	-0.78	
For DR 11 Polyethylene Pipe, 160 PSI, Add	2.13	
For White Interior Pipe, Add	1.44	
For Gray Interior Pipe, Add	1.09	
33 01 30 23-0057 LF 8" DR 17 Polyethylene Pipe, 100 PSI, For Use In Pipe Lining.....	7.68	
For DR 21 Polyethylene Pipe, 80 PSI, Deduct	-1.15	
For DR 11 Polyethylene Pipe, 160 PSI, Add	3.12	
For White Interior Pipe, Add	2.11	
For Gray Interior Pipe, Add	1.60	
33 01 30 23-0058 LF 10" DR 17 Polyethylene Pipe, 100 PSI, For Use In Pipe Lining.....	11.26	
For DR 21 Polyethylene Pipe, 80 PSI, Deduct	-1.79	
For DR 11 Polyethylene Pipe, 160 PSI, Add	4.85	
For White Interior Pipe, Add	3.27	
For Gray Interior Pipe, Add	2.48	
33 01 30 23-0059 LF 12" DR 17 Polyethylene Pipe, 100 PSI, For Use In Pipe Lining.....	15.33	
For DR 21 Polyethylene Pipe, 80 PSI, Deduct	-2.51	
For DR 11 Polyethylene Pipe, 160 PSI, Add	6.82	
For White Interior Pipe, Add	4.60	
For Gray Interior Pipe, Add	3.49	
33 01 30 23-0060 LF 13.375" DR 17 Polyethylene Pipe, 100 PSI, For Use In Pipe Lining.....	16.76	
For DR 21 Polyethylene Pipe, 80 PSI, Deduct	-2.76	
For DR 11 Polyethylene Pipe, 160 PSI, Add	7.51	
For White Interior Pipe, Add	5.07	
For Gray Interior Pipe, Add	3.84	
33 01 30 23-0061 LF 14" DR 17 Polyethylene Pipe, 100 PSI, For Use In Pipe Lining.....	18.27	
For DR 21 Polyethylene Pipe, 80 PSI, Deduct	-3.03	
For DR 11 Polyethylene Pipe, 160 PSI, Add	8.22	
For White Interior Pipe, Add	5.55	
For Gray Interior Pipe, Add	4.21	
33 01 30 23-0062 LF 16" DR 17 Polyethylene Pipe, 100 PSI, For Use In Pipe Lining.....	23.52	
For DR 21 Polyethylene Pipe, 80 PSI, Deduct	-3.95	
For DR 11 Polyethylene Pipe, 160 PSI, Add	10.74	
For White Interior Pipe, Add	7.25	
For Gray Interior Pipe, Add	5.49	
33 01 30 23-0063 LF 18" DR 17 Polyethylene Pipe, 100 PSI, For Use In Pipe Lining.....	29.47	
For DR 21 Polyethylene Pipe, 80 PSI, Deduct	-5.01	
For DR 11 Polyethylene Pipe, 160 PSI, Add	13.60	
For White Interior Pipe, Add	9.18	
For Gray Interior Pipe, Add	6.96	
33 01 30 23-0064 LF 20" DR 17 Polyethylene Pipe, 100 PSI, For Use In Pipe Lining.....	36.10	
For DR 21 Polyethylene Pipe, 80 PSI, Deduct	-6.18	
For DR 11 Polyethylene Pipe, 160 PSI, Add	16.79	
For White Interior Pipe, Add	11.33	
For Gray Interior Pipe, Add	8.59	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 23-0065 LF 22" DR 17 Polyethylene Pipe, 100 PSI, For Use In Pipe Lining.....	43.44	
<i>For DR 21 Polyethylene Pipe, 80 PSI, Deduct</i>	-7.48	
<i>For DR 11 Polyethylene Pipe, 160 PSI, Add</i>	20.31	
<i>For White Interior Pipe, Add</i>	13.71	
<i>For Gray Interior Pipe, Add</i>	10.39	
33 01 30 23-0066 LF 24" DR 17 Polyethylene Pipe, 100 PSI, For Use In Pipe Lining.....	51.52	
<i>For DR 21 Polyethylene Pipe, 80 PSI, Deduct</i>	-8.90	
<i>For DR 11 Polyethylene Pipe, 160 PSI, Add</i>	24.19	
<i>For White Interior Pipe, Add</i>	16.32	
<i>For Gray Interior Pipe, Add</i>	12.37	
33 01 30 23-0067 LF 26" DR 17 Polyethylene Pipe, 100 PSI, For Use In Pipe Lining.....	60.26	
<i>For DR 21 Polyethylene Pipe, 80 PSI, Deduct</i>	-10.44	
<i>For DR 11 Polyethylene Pipe, 160 PSI, Add</i>	28.37	
<i>For White Interior Pipe, Add</i>	19.14	
<i>For Gray Interior Pipe, Add</i>	14.50	
33 01 30 23-0068 LF 28" DR 17 Polyethylene Pipe, 100 PSI, For Use In Pipe Lining.....	69.77	
<i>For DR 21 Polyethylene Pipe, 80 PSI, Deduct</i>	-12.11	
<i>For DR 11 Polyethylene Pipe, 160 PSI, Add</i>	32.90	
<i>For White Interior Pipe, Add</i>	22.21	
<i>For Gray Interior Pipe, Add</i>	16.82	
33 01 30 23-0069 LF 30" DR 17 Polyethylene Pipe, 100 PSI, For Use In Pipe Lining.....	80.00	
<i>For DR 21 Polyethylene Pipe, 80 PSI, Deduct</i>	-13.91	
<i>For DR 11 Polyethylene Pipe, 160 PSI, Add</i>	37.78	
<i>For White Interior Pipe, Add</i>	25.49	
<i>For Gray Interior Pipe, Add</i>	19.31	
33 01 30 23-0070 LF 32" DR 17 Polyethylene Pipe, 100 PSI, For Use In Pipe Lining.....	90.96	
<i>For DR 21 Polyethylene Pipe, 80 PSI, Deduct</i>	-15.82	
<i>For DR 11 Polyethylene Pipe, 160 PSI, Add</i>	42.97	
<i>For White Interior Pipe, Add</i>	29.00	
<i>For Gray Interior Pipe, Add</i>	21.97	
33 01 30 23-0071 LF 34" DR 17 Polyethylene Pipe, 100 PSI, For Use In Pipe Lining.....	111.96	
<i>For DR 21 Polyethylene Pipe, 80 PSI, Deduct</i>	-19.52	
<i>For DR 11 Polyethylene Pipe, 160 PSI, Add</i>	53.02	
<i>For White Interior Pipe, Add</i>	35.78	
<i>For Gray Interior Pipe, Add</i>	27.11	
33 01 30 23-0072 LF 36" DR 17 Polyethylene Pipe, 100 PSI, For Use In Pipe Lining.....	115.35	
<i>For DR 21 Polyethylene Pipe, 80 PSI, Deduct</i>	-20.02	
<i>For DR 11 Polyethylene Pipe, 160 PSI, Add</i>	54.39	
<i>For White Interior Pipe, Add</i>	36.71	
<i>For Gray Interior Pipe, Add</i>	27.81	
33 01 30 23-0073 Re-Connection Of Non-Renewed Laterals <small>(33 01 30 23-0001)</small>		
33 01 30 23-0074 Re-Connection Of Non-Renewed Laterals; Insert-A-Tee <small>(33 01 30 23-0073)</small>		
<small>Note: Includes cutting hole in pipe and excavation vacuum truck for exterior pipe lateral reconnection. Excludes asphalt removal, asphalt replacement pavement both temporary and permanent, hauling, and back-fill material. See CSI section 01 74 19 00-0038 for hauling, 31 05 16 00-0001 for back-fill material.</small>		
33 01 30 23-0075 EA Re-Connection Of Non-Renewed Lateral, 6 To 8" Main With 4" Inserta-Tee.....	918.72	
<i>For No Excavation, Deduct</i>	-608.34	
33 01 30 23-0076 EA Re-Connection Of Non-Renewed Lateral, 8" Main With 6" Inserta-Tee.....	1,031.86	
<i>For No Excavation, Deduct</i>	-684.38	
33 01 30 23-0077 EA Re-Connection Of Non-Renewed Lateral, 10" To 18" Main With 4" Inserta-Tee	1,089.19	
<i>For No Excavation, Deduct</i>	-722.41	
33 01 30 23-0078 EA Re-Connection Of Non-Renewed Lateral, 10" To 18" Main With 6" Inserta-Tee	1,146.52	
<i>For No Excavation, Deduct</i>	-760.43	
33 01 30 23-0079 EA Re-Connection Of Non-Renewed Lateral, 10" To 18" Main With 8" Inserta-Tee	1,232.44	
<i>For No Excavation, Deduct</i>	-798.46	
33 01 30 23-0080 EA Re-Connection Of Non-Renewed Lateral, 20" To 36" Main With 4" Inserta-Tee	1,157.05	
<i>For No Excavation, Deduct</i>	-760.43	
33 01 30 23-0081 EA Re-Connection Of Non-Renewed Lateral, 20" To 36" Main With 6" Inserta-Tee	1,215.89	
<i>For No Excavation, Deduct</i>	-798.46	
33 01 30 23-0082 EA Re-Connection Of Non-Renewed Lateral, 20" To 36" Main With 8" Inserta-Tee	1,295.77	
<i>For No Excavation, Deduct</i>	-836.47	
33 01 30 23-0083 EA Re-Connection Of Non-Renewed Lateral, 20" To 36" Main With 10" Inserta-Tee	1,477.99	
<i>For No Excavation, Deduct</i>	-874.50	
33 01 30 23-0084 EA Re-Connection Of Non-Renewed Lateral, 20" To 36" Main With 12" Inserta-Tee	1,553.37	
<i>For No Excavation, Deduct</i>	-912.51	
33 01 30 23-0085 EA Re-Connection Of Non-Renewed Lateral, 20" To 36" Main With 15" Inserta-Tee	1,827.38	
<i>For No Excavation, Deduct</i>	-950.54	
33 01 30 23-0086 Re-Connection Of Non-Renewed Laterals; Saddle Style <small>(33 01 30 23-0073)</small>		
<small>Note: Includes excavation vacuum truck for exterior pipe lateral reconnection, fusion to high density polyethylene (HDPE) pipe for lateral. Excludes asphalt removal, asphalt replacement pavement both temporary and permanent, hauling and back-fill material. See CSI section 01 74 19 00-0038 for hauling, 31 05 16 00-0001 for back-fill material.</small>		
33 01 30 23-0087 EA Re-Connection Of Non-Renewed Lateral, 6" Main With 4" Or 6" Saddle Tap (Mueller H-615).....	2,197.44	
<i>For No Excavation, Deduct</i>	-678.96	
<i>For Strap-On Saddle Type Instead Of Fusion Weld</i>	-145.65	
33 01 30 23-0088 EA Re-Connection Of Non-Renewed Lateral, 8" Main With 4" Or 6" Saddle Tap (Mueller H-615).....	2,443.38	
<i>For No Excavation, Deduct</i>	-706.12	
<i>For Strap-On Saddle Type Instead Of Fusion Weld</i>	-127.77	
33 01 30 23-0089 EA Re-Connection Of Non-Renewed Lateral, 10" Main With 4" Or 6" Saddle Tap (Mueller H-615).....	3,505.97	
<i>For No Excavation, Deduct</i>	-733.27	
<i>For Strap-On Saddle Type Instead Of Fusion Weld</i>	12.61	

33 Utilities**33 01 Operation And Maintenance Of Utilities****33 01 30 Operation And Maintenance Of Sewer Utilities**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 23-0090 EA Re-Connection Of Non-Renewed Lateral, 12" Main With 4" Or 6" Saddle Tap (Mueller H-615).....	3,668.92	
For No Excavation, Deduct	-814.75	
For Strap-On Saddle Type Instead Of Fusion Weld	-19.98	
33 01 30 23-0091 EA Re-Connection Of Non-Renewed Lateral, 14" Main With 4" Or 6" Saddle Tap (Mueller H-615).....	6,721.40	
For No Excavation, Deduct	-869.06	
For Strap-On Saddle Type Instead Of Fusion Weld	399.87	
33 01 30 23-0092 EA Re-Connection Of Non-Renewed Lateral, 16" Main With 4" Or 6" Saddle Tap (Mueller H-615).....	7,274.70	
For No Excavation, Deduct	-964.12	
For Strap-On Saddle Type Instead Of Fusion Weld	416.32	
33 01 30 23-0093 EA Re-Connection Of Non-Renewed Lateral, 18" Main With 4" Or 6" Saddle Tap (Mueller H-615).....	9,882.31	
For No Excavation, Deduct	-1,059.17	
For Strap-On Saddle Type Instead Of Fusion Weld	740.93	
33 01 30 23-0094 EA Re-Connection Of Non-Renewed Lateral, 20" Main With 4" Or 6" Saddle Tap (Mueller H-615).....	9,335.71	
For No Excavation, Deduct	-1,194.97	
For Strap-On Saddle Type Instead Of Fusion Weld	563.88	
33 01 30 23-0095 EA Re-Connection Of Non-Renewed Lateral, 24" Main With 4" Or 6" Saddle Tap (Mueller H-615).....	11,356.70	
For No Excavation, Deduct	-1,412.23	
For Strap-On Saddle Type Instead Of Fusion Weld	714.95	
33 01 30 41 Cleaning of Sewers (33 01 30)		
33 01 30 41-0001 Pipe Line Cleaning And Flushing (33 01 30 41)		
Note: Includes flushing. Owner provided water.		
33 01 30 41-0002 Pipe Line Cleaning (33 01 30 41-0001)		
Note: Includes removal of all debris/waste. Excludes disposal.		
33 01 30 41-0003 Hydro Jet Set-up And Reinsertion (33 01 30 41-0002)		
33 01 30 41-0004 EA Initial Set Up And Final Equipment Removal For Jet Cleaning	2,004.05	
33 01 30 41-0005 EA Move And Reset Up At Different Access/Location For Jet Cleaning.....	501.02	
33 01 30 41-0006 Hydro Jet Cleaning Of Sewer And Water Pipelines (33 01 30 41-0002)		
33 01 30 41-0007 LF Up To 4" Diameter Pipe Line Cleaning, Hydro Jetting Method, Light Cleaning - 3 Passes.....	2.69	
For >250 To 500, Deduct	-0.13	
For >500 To 1,000, Deduct	-0.27	
For >1,000 To 2,000, Deduct	-0.40	
For >2,000 To 5,000, Deduct	-0.54	
For >5,000, Deduct	-0.67	
For Heavy Cleaning, >4 Passes (Includes Attached Mechanical Device), Add	2.02	
33 01 30 41-0008 LF 6" Diameter Pipe Line Cleaning, Hydro Jetting Method, Light Cleaning - 3 Passes	3.09	
For >250 To 500, Deduct	-0.15	
For >500 To 1,000, Deduct	-0.31	
For >1,000 To 2,000, Deduct	-0.46	
For >2,000 To 5,000, Deduct	-0.62	
For >5,000, Deduct	-0.77	
For Heavy Cleaning, >4 Passes (Includes Attached Mechanical Device), Add	2.32	
33 01 30 41-0009 LF 8" Diameter Pipe Line Cleaning, Hydro Jetting Method, Light Cleaning - 3 Passes	3.63	
For >250 To 500, Deduct	-0.18	
For >500 To 1,000, Deduct	-0.36	
For >1,000 To 2,000, Deduct	-0.54	
For >2,000 To 5,000, Deduct	-0.73	
For >5,000, Deduct	-0.91	
For Heavy Cleaning, >4 Passes (Includes Attached Mechanical Device), Add	2.72	
33 01 30 41-0010 LF 10" Diameter Pipe Line Cleaning, Hydro Jetting Method, Light Cleaning - 3 Passes	4.49	
For >250 To 500, Deduct	-0.22	
For >500 To 1,000, Deduct	-0.45	
For >1,000 To 2,000, Deduct	-0.67	
For >2,000 To 5,000, Deduct	-0.90	
For >5,000, Deduct	-1.12	
For Heavy Cleaning, >4 Passes (Includes Attached Mechanical Device), Add	3.37	
33 01 30 41-0011 LF 12" Diameter Pipe Line Cleaning, Hydro Jetting Method, Light Cleaning - 3 Passes	5.09	
For >250 To 500, Deduct	-0.25	
For >500 To 1,000, Deduct	-0.51	
For >1,000 To 2,000, Deduct	-0.76	
For >2,000 To 5,000, Deduct	-1.02	
For >5,000, Deduct	-1.27	
For Heavy Cleaning, >4 Passes (Includes Attached Mechanical Device), Add	3.82	
33 01 30 41-0012 LF >12" To 16" Diameter Pipe Line Cleaning, Hydro Jetting Method, Light Cleaning - 3 Passes.....	5.89	
For >250 To 500, Deduct	-0.29	
For >500 To 1,000, Deduct	-0.59	
For >1,000 To 2,000, Deduct	-0.88	
For >2,000 To 5,000, Deduct	-1.18	
For >5,000, Deduct	-1.47	
For Heavy Cleaning, >4 Passes (Includes Attached Mechanical Device), Add	4.42	
33 01 30 41-0013 LF >16" To 24" Diameter Pipe Line Cleaning, Hydro Jetting Method, Light Cleaning - 3 Passes.....	7.07	
For >250 To 500, Deduct	-0.35	
For >500 To 1,000, Deduct	-0.71	
For >1,000 To 2,000, Deduct	-1.06	
For >2,000 To 5,000, Deduct	-1.41	
For >5,000, Deduct	-1.77	
For Heavy Cleaning, >4 Passes (Includes Attached Mechanical Device), Add	5.30	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 41-0014 LF >24" To 30" Diameter Pipe Line Cleaning, Hydro Jetting Method, Light Cleaning - 3 Passes.....	8.03	
<i>For >250 To 500, Deduct</i>	-0.40	
<i>For >500 To 1,000, Deduct</i>	-0.80	
<i>For >1,000 To 2,000, Deduct</i>	-1.20	
<i>For >2,000 To 5,000, Deduct</i>	-1.61	
<i>For >5,000, Deduct</i>	-2.01	
<i>For Heavy Cleaning, >4 Passes (Includes Attached Mechanical Device), Add</i>	6.02	
33 01 30 41-0015 Flushing Of Storm Water Pipelines <small>(33 01 30 41-0002)</small>		
Note: To remove silt and small debris from storm drainage pipes. Excludes disposal.		
33 01 30 41-0016 LF 12" To 16" Diameter Pipe Line Flushing.....	1.16	
<i>For >250 To 500, Deduct</i>	-0.06	
<i>For >500 To 1,000, Deduct</i>	-0.12	
<i>For >1,000 To 2,000, Deduct</i>	-0.17	
<i>For >2,000 To 5,000, Deduct</i>	-0.23	
<i>For >5,000, Deduct</i>	-0.29	
33 01 30 41-0017 LF >16" To 24" Diameter Pipe Line Flushing.....	1.33	
<i>For >250 To 500, Deduct</i>	-0.07	
<i>For >500 To 1,000, Deduct</i>	-0.13	
<i>For >1,000 To 2,000, Deduct</i>	-0.20	
<i>For >2,000 To 5,000, Deduct</i>	-0.27	
<i>For >5,000, Deduct</i>	-0.33	
33 01 30 41-0018 LF >24" To 30" Diameter Pipe Line Flushing.....	1.56	
<i>For >250 To 500, Deduct</i>	-0.08	
<i>For >500 To 1,000, Deduct</i>	-0.16	
<i>For >1,000 To 2,000, Deduct</i>	-0.23	
<i>For >2,000 To 5,000, Deduct</i>	-0.31	
<i>For >5,000, Deduct</i>	-0.39	
33 01 30 41-0019 LF >30" To 42" Diameter Pipe Line Flushing.....	1.81	
<i>For >250 To 500, Deduct</i>	-0.09	
<i>For >500 To 1,000, Deduct</i>	-0.18	
<i>For >1,000 To 2,000, Deduct</i>	-0.27	
<i>For >2,000 To 5,000, Deduct</i>	-0.36	
<i>For >5,000, Deduct</i>	-0.45	
33 01 30 41-0020 LF >42" To 60" Diameter Pipe Line Flushing.....	2.41	
<i>For >250 To 500, Deduct</i>	-0.12	
<i>For >500 To 1,000, Deduct</i>	-0.24	
<i>For >1,000 To 2,000, Deduct</i>	-0.36	
<i>For >2,000 To 5,000, Deduct</i>	-0.48	
<i>For >5,000, Deduct</i>	-0.60	
33 01 30 41-0021 Hydro Jet Cleaning Of Culverts <small>(33 01 30 41-0002)</small>		
33 01 30 41-0022 LF Jet Cleaning Of Culvert, 0-250 LF.....	12.46	
<i>For >250 To 500, Deduct</i>	-0.62	
<i>For >500 To 1,000, Deduct</i>	-1.25	
<i>For >1,000 To 2,000, Deduct</i>	-1.87	
<i>For >2,000 To 5,000, Deduct</i>	-2.49	
<i>For >5,000, Deduct</i>	-3.12	
33 01 30 41-0023 Pipe Line Cleaning, Mechanical Method <small>(33 01 30 41-0001)</small>		
Note: Power winching buckets, scrapers, scooters, porcupines, brushes and other debris removing equipment. Includes removal of all debris/waste. Excludes disposal.		
33 01 30 41-0024 EA Initial Set Up And Final Equipment Removal For Mechanical Cleaning.....	949.27	
33 01 30 41-0025 EA Move And Reset Up At Different Access/Location.....	316.42	
33 01 30 41-0026 LF Up To 4" Diameter Pipe Line Cleaning, Mechanical Method.....	5.43	
<i>For >250 To 500, Deduct</i>	-0.26	
<i>For >500 To 1,000, Deduct</i>	-0.53	
<i>For >1,000 To 2,000, Deduct</i>	-0.79	
<i>For >2,000 To 5,000, Deduct</i>	-1.06	
<i>For >5,000, Deduct</i>	-1.32	
33 01 30 41-0027 LF 6" Diameter Pipe Line Cleaning, Mechanical Method.....	7.08	
<i>For >250 To 500, Deduct</i>	-0.34	
<i>For >500 To 1,000, Deduct</i>	-0.68	
<i>For >1,000 To 2,000, Deduct</i>	-1.02	
<i>For >2,000 To 5,000, Deduct</i>	-1.36	
<i>For >5,000, Deduct</i>	-1.70	
33 01 30 41-0028 LF 8" Diameter Pipe Line Cleaning, Mechanical Method.....	8.29	
<i>For >250 To 500, Deduct</i>	-0.40	
<i>For >500 To 1,000, Deduct</i>	-0.79	
<i>For >1,000 To 2,000, Deduct</i>	-1.19	
<i>For >2,000 To 5,000, Deduct</i>	-1.58	
<i>For >5,000, Deduct</i>	-1.98	
33 01 30 41-0029 LF 10" Diameter Pipe Line Cleaning, Mechanical Method.....	9.58	
<i>For >250 To 500, Deduct</i>	-0.46	
<i>For >500 To 1,000, Deduct</i>	-0.91	
<i>For >1,000 To 2,000, Deduct</i>	-1.37	
<i>For >2,000 To 5,000, Deduct</i>	-1.83	
<i>For >5,000, Deduct</i>	-2.28	

33 Utilities**33 01 Operation And Maintenance Of Utilities****33 01 30 Operation And Maintenance Of Sewer Utilities**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 41-0030 LF 12" Diameter Pipe Line Cleaning, Mechanical Method	10.42	
For >250 To 500, Deduct	-0.49	
For >500 To 1,000, Deduct	-0.99	
For >1,000 To 2,000, Deduct	-1.48	
For >2,000 To 5,000, Deduct	-1.98	
For >5,000, Deduct	-2.47	
33 01 30 41-0031 LF >12" To 16" Diameter Pipe Line Cleaning, Mechanical Method.....	11.98	
For >250 To 500, Deduct	-0.57	
For >500 To 1,000, Deduct	-1.13	
For >1,000 To 2,000, Deduct	-1.70	
For >2,000 To 5,000, Deduct	-2.26	
For >5,000, Deduct	-2.83	
33 01 30 41-0032 LF >16" To 24" Diameter Pipe Line Cleaning, Mechanical Method.....	15.01	
For >250 To 500, Deduct	-0.70	
For >500 To 1,000, Deduct	-1.40	
For >1,000 To 2,000, Deduct	-2.09	
For >2,000 To 5,000, Deduct	-2.79	
For >5,000, Deduct	-3.49	
33 01 30 41-0033 LF >24" To 30" Diameter Pipe Line Cleaning, Mechanical Method.....	17.06	
For >250 To 500, Deduct	-0.78	
For >500 To 1,000, Deduct	-1.56	
For >1,000 To 2,000, Deduct	-2.33	
For >2,000 To 5,000, Deduct	-3.11	
For >5,000, Deduct	-3.89	
33 01 30 41-0034 LF >30" To 42" Diameter Pipe Line Cleaning, Mechanical Method.....	19.79	
For >250 To 500, Deduct	-0.90	
For >500 To 1,000, Deduct	-1.79	
For >1,000 To 2,000, Deduct	-2.69	
For >2,000 To 5,000, Deduct	-3.58	
For >5,000, Deduct	-4.48	
33 01 30 41-0035 LF >42 To 60" Diameter Pipe Line Cleaning, Mechanical Method.....	25.99	
For >250 To 500, Deduct	-1.19	
For >500 To 1,000, Deduct	-2.37	
For >1,000 To 2,000, Deduct	-3.56	
For >2,000 To 5,000, Deduct	-4.75	
For >5,000, Deduct	-5.93	
33 01 30 41-0036 LF >60" Diameter Pipe Line Cleaning, Mechanical Method.....	29.38	
For >250 To 500, Deduct	-1.32	
For >500 To 1,000, Deduct	-2.64	
For >1,000 To 2,000, Deduct	-3.96	
For >2,000 To 5,000, Deduct	-5.27	
For >5,000, Deduct	-6.59	
33 01 30 41-0037 Pipe Line Auguring/Rod Out Pipe (33 01 30 41-0001)		
33 01 30 41-0038 EA Initial Set Up And Final Equipment Removal For Auguring.....	949.27	
33 01 30 41-0039 EA Move And Reset Up At Different Location	316.42	
33 01 30 41-0040 LF Up To 4" Diameter Pipe Line Auguring/Rod Out.....	3.16	
For >250 To 500, Deduct	-0.16	
For >500 To 1,000, Deduct	-0.32	
For >1,000 To 2,000, Deduct	-0.47	
For >2,000 To 5,000, Deduct	-0.63	
For >5,000, Deduct	-0.79	
33 01 30 41-0041 LF 6" Diameter Pipe Line Auguring/Rod Out.....	4.09	
For >250 To 500, Deduct	-0.20	
For >500 To 1,000, Deduct	-0.41	
For >1,000 To 2,000, Deduct	-0.61	
For >2,000 To 5,000, Deduct	-0.82	
For >5,000, Deduct	-1.02	
33 01 30 41-0042 LF 8" Diameter Pipe Line Auguring/Rod Out.....	4.75	
For >250 To 500, Deduct	-0.24	
For >500 To 1,000, Deduct	-0.48	
For >1,000 To 2,000, Deduct	-0.71	
For >2,000 To 5,000, Deduct	-0.95	
For >5,000, Deduct	-1.19	
33 01 30 41-0043 LF 10" Diameter Pipe Line Auguring/Rod Out.....	5.52	
For >250 To 500, Deduct	-0.28	
For >500 To 1,000, Deduct	-0.55	
For >1,000 To 2,000, Deduct	-0.83	
For >2,000 To 5,000, Deduct	-1.10	
For >5,000, Deduct	-1.38	
33 01 30 41-0044 LF 12" Diameter Pipe Line Auguring/Rod Out.....	5.94	
For >250 To 500, Deduct	-0.30	
For >500 To 1,000, Deduct	-0.59	
For >1,000 To 2,000, Deduct	-0.89	
For >2,000 To 5,000, Deduct	-1.19	
For >5,000, Deduct	-1.49	
33 01 30 41-0045 LF >12" To 16" Diameter Pipe Line Auguring/Rod Out.....	6.78	
For >250 To 500, Deduct	-0.34	
For >500 To 1,000, Deduct	-0.68	
For >1,000 To 2,000, Deduct	-1.02	
For >2,000 To 5,000, Deduct	-1.36	
For >5,000, Deduct	-1.70	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 41-0046 LF >16" To 24" Diameter Pipe Line Auguring/Rod Out.....	8.33	
<i>For >250 To 500, Deduct</i>	-0.42	
<i>For >500 To 1,000, Deduct</i>	-0.83	
<i>For >1,000 To 2,000, Deduct</i>	-1.25	
<i>For >2,000 To 5,000, Deduct</i>	-1.67	
<i>For >5,000, Deduct</i>	-2.08	
33 01 30 41-0047 LF >24" To 30" Diameter Pipe Line Auguring/Rod Out.....	9.30	
<i>For >250 To 500, Deduct</i>	-0.47	
<i>For >500 To 1,000, Deduct</i>	-0.93	
<i>For >1,000 To 2,000, Deduct</i>	-1.40	
<i>For >2,000 To 5,000, Deduct</i>	-1.86	
<i>For >5,000, Deduct</i>	-2.33	
33 01 30 41-0048 LF >30" To 42" Diameter Pipe Line Auguring/Rod Out.....	10.78	
<i>For >250 To 500, Deduct</i>	-0.54	
<i>For >500 To 1,000, Deduct</i>	-1.08	
<i>For >1,000 To 2,000, Deduct</i>	-1.62	
<i>For >2,000 To 5,000, Deduct</i>	-2.16	
<i>For >5,000, Deduct</i>	-2.70	
33 01 30 41-0049 LF >42 To 60" Diameter Pipe Line Auguring/Rod Out.....	14.83	
<i>For >250 To 500, Deduct</i>	-0.74	
<i>For >500 To 1,000, Deduct</i>	-1.48	
<i>For >1,000 To 2,000, Deduct</i>	-2.22	
<i>For >2,000 To 5,000, Deduct</i>	-2.97	
<i>For >5,000, Deduct</i>	-3.71	
33 01 30 41-0050 LF >60" Diameter Pipe Line Auguring/Rod Out.....	15.82	
<i>For >250 To 500, Deduct</i>	-0.79	
<i>For >500 To 1,000, Deduct</i>	-1.58	
<i>For >1,000 To 2,000, Deduct</i>	-2.37	
<i>For >2,000 To 5,000, Deduct</i>	-3.16	
<i>For >5,000, Deduct</i>	-3.96	

33 01 30 42 Cleaning of Manholes (33 01 30)

33 01 30 42-0001 Structure Cleaning And Flushing (33 01 30 42)

Note: Includes flushing. Owner provided water.

33 01 30 42-0002 Rod Out Structures And Other Hand Operations (33 01 30 42-0001)

33 01 30 42-0003 EA Rod Out Sewer Catch Basin.....	94.79	
33 01 30 42-0004 EA Clean Out Debris From Entrance To Inlet Structure.....	236.98	
33 01 30 42-0005 EA 3' To 4' Diameter, Clean Out Blocked Manhole By Hand.....	721.62	
<i>For >10 To 100, Deduct</i>	-108.24	
<i>For >100 To 250, Deduct</i>	-162.36	
<i>For >250, Deduct</i>	-216.49	
33 01 30 42-0006 EA 5' To 6' Diameter, Clean Out Blocked Manhole By Hand.....	865.94	
<i>For >10 To 100, Deduct</i>	-129.89	
<i>For >100 To 250, Deduct</i>	-194.84	
<i>For >250, Deduct</i>	-259.78	
33 01 30 42-0007 EA Clean Out Blocked Catch Basin By Hand.....	432.97	
<i>For >10 To 100, Deduct</i>	-64.95	
<i>For >100 To 250, Deduct</i>	-97.42	
<i>For >250, Deduct</i>	-129.89	

33 01 30 42-0008 Cleaning Manholes And Drainage Structures (33 01 30 42-0001)

Note: Includes removal of debris. Excludes disposal.

33 01 30 42-0009 VLF Waterblast Cleaning For 3' To 4' Diameter Manhole.....	83.50	
33 01 30 42-0010 VLF Waterblast Cleaning For 5' To 6' Diameter Manhole.....	104.37	
33 01 30 42-0011 EA Vacuum Out 1 To 2 Catch Basins Or Manholes.....	1,070.48	
Note: Includes vacuum pump equipment.		
33 01 30 42-0012 EA Vacuum Out 3 To 10 Catch Basins Or Manholes.....	802.86	
Note: Includes vacuum pump equipment.		
33 01 30 42-0013 EA Vacuum Out 11 To 25 Catch Basins Or Manholes.....	535.24	
Note: Includes vacuum pump equipment.		
33 01 30 42-0014 EA Vacuum Out 26 To 100 Catch Basins Or Manholes.....	468.34	
Note: Includes vacuum pump equipment.		
33 01 30 42-0015 EA Vacuum Out 101 To 250 Catch Basins Or Manholes.....	434.88	
Note: Includes vacuum pump equipment.		
33 01 30 42-0016 EA Vacuum Out >250 Catch Basins Or Manholes.....	401.43	
Note: Includes vacuum pump equipment.		

33 01 30 43 Removal of Protruding Service Connection (33 01 30)

33 01 30 43-0001 Trim Protruding Service Taps (33 01 30 43)

33 01 30 43-0002 EA Trim Protruding Service Tap, 4", Robotic.....	541.14	
33 01 30 43-0003 EA Trim Protruding Service Tap, 6", Robotic.....	595.25	
33 01 30 43-0004 EA Trim Protruding Service Tap, 8", Robotic.....	649.37	

33 01 30 51 Maintenance Of Utilities (33 01 30)

33 01 30 51-0001 Pipe Repair (33 01 30 51)

33 Utilities**33 01 Operation And Maintenance Of Utilities****33 01 30 Operation And Maintenance Of Sewer Utilities**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 51-0002 Pipe Repair Clamp, Full Circle, Single Band <small>(33 01 30 51-0001)</small>		
Note: Repair clamps for asbestos cement pipe, cast iron soil pipe, non-reinforced concrete pipe, PVC pipe, vitrified clay pipe, gray iron pipe and ductile iron pipe.		
33 01 30 51-0003 EA 2" Diameter, 7-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	118.34	
For Stainless Steel Nuts And Bolts, Add	18.76	
33 01 30 51-0004 EA 2" Diameter, 10" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	167.50	
For Stainless Steel Nuts And Bolts, Add	28.27	
33 01 30 51-0005 EA 2" Diameter, 12-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	193.26	
For Stainless Steel Nuts And Bolts, Add	33.30	
33 01 30 51-0006 EA 2" Diameter, 15" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	220.03	
For Stainless Steel Nuts And Bolts, Add	38.31	
33 01 30 51-0007 EA 2-1/2" Diameter, 7-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	127.59	
For Stainless Steel Nuts And Bolts, Add	20.38	
33 01 30 51-0008 EA 2-1/2" Diameter, 10" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	177.99	
For Stainless Steel Nuts And Bolts, Add	30.17	
33 01 30 51-0009 EA 2-1/2" Diameter, 12-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	203.79	
For Stainless Steel Nuts And Bolts, Add	35.08	
33 01 30 51-0010 EA 2-1/2" Diameter, 15" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	235.29	
For Stainless Steel Nuts And Bolts, Add	41.05	
33 01 30 51-0011 EA 3" Diameter, 7-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	137.04	
For Stainless Steel Nuts And Bolts, Add	22.29	
33 01 30 51-0012 EA 3" Diameter, 10" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	185.08	
For Stainless Steel Nuts And Bolts, Add	31.55	
33 01 30 51-0013 EA 3" Diameter, 12-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	213.74	
For Stainless Steel Nuts And Bolts, Add	36.99	
33 01 30 51-0014 EA 3" Diameter, 15" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	248.86	
For Stainless Steel Nuts And Bolts, Add	43.91	
33 01 30 51-0015 EA 4" Diameter, 7-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	154.29	
For Stainless Steel Nuts And Bolts, Add	25.34	
33 01 30 51-0016 EA 4" Diameter, 10" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	203.51	
For Stainless Steel Nuts And Bolts, Add	34.12	
33 01 30 51-0017 EA 4" Diameter, 12-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	246.73	
For Stainless Steel Nuts And Bolts, Add	41.53	
33 01 30 51-0018 EA 4" Diameter, 15" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	297.21	
For Stainless Steel Nuts And Bolts, Add	50.10	
33 01 30 51-0019 EA 4" Diameter, 20" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	387.83	
For Stainless Steel Nuts And Bolts, Add	67.29	
33 01 30 51-0020 EA 4" Diameter, 25" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	482.19	
For Stainless Steel Nuts And Bolts, Add	84.48	
33 01 30 51-0021 EA 4" Diameter, 30" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	588.01	
For Stainless Steel Nuts And Bolts, Add	103.63	
33 01 30 51-0022 EA 6" Diameter, 7-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	181.32	
For Stainless Steel Nuts And Bolts, Add	29.91	
33 01 30 51-0023 EA 6" Diameter, 10" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	240.49	
For Stainless Steel Nuts And Bolts, Add	40.57	
33 01 30 51-0024 EA 6" Diameter, 12-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	284.93	
For Stainless Steel Nuts And Bolts, Add	47.84	
33 01 30 51-0025 EA 6" Diameter, 15" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	334.02	
For Stainless Steel Nuts And Bolts, Add	55.59	
33 01 30 51-0026 EA 6" Diameter, 20" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	461.00	
For Stainless Steel Nuts And Bolts, Add	80.56	
33 01 30 51-0027 EA 6" Diameter, 25" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	560.43	
For Stainless Steel Nuts And Bolts, Add	98.23	
33 01 30 51-0028 EA 6" Diameter, 30" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	669.34	
For Stainless Steel Nuts And Bolts, Add	117.39	
33 01 30 51-0029 EA 8" Diameter, 7-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	237.62	
For Stainless Steel Nuts And Bolts, Add	35.78	
33 01 30 51-0030 EA 8" Diameter, 10" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	308.41	
For Stainless Steel Nuts And Bolts, Add	47.35	
33 01 30 51-0031 EA 8" Diameter, 12-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	372.19	
For Stainless Steel Nuts And Bolts, Add	57.30	
33 01 30 51-0032 EA 8" Diameter, 15" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	444.54	
For Stainless Steel Nuts And Bolts, Add	68.28	
33 01 30 51-0033 EA 8" Diameter, 20" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	588.67	
For Stainless Steel Nuts And Bolts, Add	94.59	
33 01 30 51-0034 EA 8" Diameter, 25" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	704.07	
For Stainless Steel Nuts And Bolts, Add	113.10	
33 01 30 51-0035 EA 8" Diameter, 30" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	834.18	
For Stainless Steel Nuts And Bolts, Add	133.12	
33 01 30 51-0036 EA 10" Diameter, 7-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	277.55	
For Stainless Steel Nuts And Bolts, Add	43.55	
33 01 30 51-0037 EA 10" Diameter, 10" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	372.15	
For Stainless Steel Nuts And Bolts, Add	60.24	
33 01 30 51-0038 EA 10" Diameter, 12-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	438.53	
For Stainless Steel Nuts And Bolts, Add	70.43	
33 01 30 51-0039 EA 10" Diameter, 15" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	537.72	
For Stainless Steel Nuts And Bolts, Add	87.11	
33 01 30 51-0040 EA 10" Diameter, 20" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	704.50	
For Stainless Steel Nuts And Bolts, Add	118.16	
33 01 30 51-0041 EA 10" Diameter, 25" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	802.89	
For Stainless Steel Nuts And Bolts, Add	132.06	
33 01 30 51-0042 EA 10" Diameter, 30" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	1,031.37	
For Stainless Steel Nuts And Bolts, Add	174.23	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 51-0043 EA 12" Diameter, 7-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226) <i>For Stainless Steel Nuts And Bolts, Add</i>	316.13 49.12	
33 01 30 51-0044 EA 12" Diameter, 10" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226) <i>For Stainless Steel Nuts And Bolts, Add</i>	412.25 65.33	
33 01 30 51-0045 EA 12" Diameter, 12-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226) <i>For Stainless Steel Nuts And Bolts, Add</i>	497.55 79.05	
33 01 30 51-0046 EA 12" Diameter, 15" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226) <i>For Stainless Steel Nuts And Bolts, Add</i>	611.71 98.23	
33 01 30 51-0047 EA 12" Diameter, 20" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226) <i>For Stainless Steel Nuts And Bolts, Add</i>	785.66 129.75	
33 01 30 51-0048 EA 12" Diameter, 25" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226) <i>For Stainless Steel Nuts And Bolts, Add</i>	924.41 151.52	
33 01 30 51-0049 EA 12" Diameter, 30" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226) <i>For Stainless Steel Nuts And Bolts, Add</i>	1,173.15 196.47	
33 01 30 51-0050 Pipe Repair Clamp, Full Circle, Double Bands <small>(33 01 30 51-0001)</small> Note: Repair clamps for reinforced concrete pipe, gray iron pipe and ductile iron pipe.		
33 01 30 51-0051 EA 14.38"-15.13" OD Diameter Pipe, 10" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228) <i>For Stainless Steel Nuts And Bolts, Add</i>	695.34 188.99	
33 01 30 51-0052 EA 14.38"-15.13" OD Diameter Pipe, 15" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228) <i>For Stainless Steel Nuts And Bolts, Add</i>	984.30 272.83	
33 01 30 51-0053 EA 14.38"-15.13" OD Diameter Pipe, 20" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228) <i>For Stainless Steel Nuts And Bolts, Add</i>	1,324.64 370.00	
33 01 30 51-0054 EA 14.38"-15.13" OD Diameter Pipe, 30" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228) <i>For Stainless Steel Nuts And Bolts, Add</i>	1,947.36 557.66	
33 01 30 51-0055 EA 15.07"-15.82" OD Diameter Pipe, 10" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228) <i>For Stainless Steel Nuts And Bolts, Add</i>	729.88 198.29	
33 01 30 51-0056 EA 15.07"-15.82" OD Diameter Pipe, 15" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228) <i>For Stainless Steel Nuts And Bolts, Add</i>	1,030.42 285.48	
33 01 30 51-0057 EA 15.07"-15.82" OD Diameter Pipe, 20" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228) <i>For Stainless Steel Nuts And Bolts, Add</i>	1,383.39 385.97	
33 01 30 51-0058 EA 15.07"-15.82" OD Diameter Pipe, 30" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228) <i>For Stainless Steel Nuts And Bolts, Add</i>	2,041.50 584.27	
33 01 30 51-0059 EA 15.92"-16.67" OD Diameter Pipe, 10" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228) <i>For Stainless Steel Nuts And Bolts, Add</i>	748.83 202.30	
33 01 30 51-0060 EA 15.92"-16.67" OD Diameter Pipe, 15" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228) <i>For Stainless Steel Nuts And Bolts, Add</i>	1,055.33 290.82	
33 01 30 51-0061 EA 15.92"-16.67" OD Diameter Pipe, 20" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228) <i>For Stainless Steel Nuts And Bolts, Add</i>	1,420.14 394.62	
33 01 30 51-0062 EA 15.92"-16.67" OD Diameter Pipe, 30" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228) <i>For Stainless Steel Nuts And Bolts, Add</i>	2,094.05 596.91	
33 01 30 51-0063 EA 16.56"-17.31" OD Diameter Pipe, 10" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228) <i>For Stainless Steel Nuts And Bolts, Add</i>	768.78 206.29	
33 01 30 51-0064 EA 16.56"-17.31" OD Diameter Pipe, 15" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228) <i>For Stainless Steel Nuts And Bolts, Add</i>	1,083.72 296.80	
33 01 30 51-0065 EA 16.56"-17.31" OD Diameter Pipe, 20" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228) <i>For Stainless Steel Nuts And Bolts, Add</i>	1,456.02 401.94	
33 01 30 51-0066 EA 16.56"-17.31" OD Diameter Pipe, 30" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228) <i>For Stainless Steel Nuts And Bolts, Add</i>	2,146.74 608.90	
33 01 30 51-0067 EA 17.15"-17.90" OD Diameter Pipe, 10" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228) <i>For Stainless Steel Nuts And Bolts, Add</i>	786.80 209.62	
33 01 30 51-0068 EA 17.15"-17.90" OD Diameter Pipe, 15" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228) <i>For Stainless Steel Nuts And Bolts, Add</i>	1,108.16 301.45	
33 01 30 51-0069 EA 17.15"-17.90" OD Diameter Pipe, 20" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228) <i>For Stainless Steel Nuts And Bolts, Add</i>	1,491.89 409.25	
33 01 30 51-0070 EA 17.15"-17.90" OD Diameter Pipe, 30" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228) <i>For Stainless Steel Nuts And Bolts, Add</i>	2,194.59 618.87	
33 01 30 51-0071 EA 17.82"-18.57" OD Diameter Pipe, 10" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228) <i>For Stainless Steel Nuts And Bolts, Add</i>	803.77 212.96	
33 01 30 51-0072 EA 17.82"-18.57" OD Diameter Pipe, 15" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228) <i>For Stainless Steel Nuts And Bolts, Add</i>	1,133.05 306.78	

33 Utilities**33 01 Operation And Maintenance Of Utilities****33 01 30 Operation And Maintenance Of Sewer Utilities**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 51-0073 EA 17.82"-18.57" OD Diameter Pipe, 20" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	1,523.78	
For Stainless Steel Nuts And Bolts, Add	415.91	
33 01 30 51-0074 EA 17.82"-18.57" OD Diameter Pipe, 30" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	2,225.63	
For Stainless Steel Nuts And Bolts, Add	623.86	
33 01 30 51-0075 EA 18.46"-19.21" OD Diameter Pipe, 10" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	823.13	
For Stainless Steel Nuts And Bolts, Add	217.10	
33 01 30 51-0076 EA 18.46"-19.21" OD Diameter Pipe, 15" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	1,162.36	
For Stainless Steel Nuts And Bolts, Add	313.43	
33 01 30 51-0077 EA 18.46"-19.21" OD Diameter Pipe, 20" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	1,557.60	
For Stainless Steel Nuts And Bolts, Add	423.23	
33 01 30 51-0078 EA 18.46"-19.21" OD Diameter Pipe, 30" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	2,292.93	
For Stainless Steel Nuts And Bolts, Add	641.50	
33 01 30 51-0079 Repair Couplings and Fittings (33 01 30 51-0001)		
33 01 30 51-0080 Couplings And Fittings For Copper Pipe, Compression (33 01 30 51-0079) Note: Includes gaskets. Dresser style 88.		
33 01 30 51-0081 Copper Compression Repair Couplings (33 01 30 51-0080)		
33 01 30 51-0082 EA 1/2" Copper Compression Repair Coupling	44.96	
33 01 30 51-0083 EA 3/4" Copper Compression Repair Coupling	52.88	
33 01 30 51-0084 EA 1" Copper Compression Repair Coupling	62.00	
33 01 30 51-0085 EA 1-1/4" Copper Compression Repair Coupling	70.15	
33 01 30 51-0086 EA 1-1/2" Copper Compression Repair Coupling	100.79	
33 01 30 51-0087 Copper Compression Repair Fitting, 90 Degree Elbows (33 01 30 51-0080)		
33 01 30 51-0088 EA 1/2" Copper Compression Repair 90 Degree Elbow	50.78	
33 01 30 51-0089 EA 1" Copper Compression Repair 90 Degree Elbow	62.83	
33 01 30 51-0090 EA 1-1/2" Copper Compression Repair 90 Degree Elbow	114.02	
33 01 30 51-0091 EA 1" IPS x 1" CTS 90 Degree Plain End Street Elbow	55.04	
33 01 30 51-0092 EA 3/4" IPS x 3/4" CTS 90 Degree Threaded End Street Elbow	48.52	
33 01 30 51-0093 EA 1" IPS x 1" CTS 90 Degree Threaded End Street Elbow	56.72	
33 01 30 51-0094 EA 1-1/4" IPS x 1" CTS 90 Degree Threaded End Street Elbow	68.04	
33 01 30 51-0095 Copper Compression Repair Fitting, Tees (33 01 30 51-0080)		
33 01 30 51-0096 EA 1/2" Copper Compression Repair Tee	87.76	
33 01 30 51-0097 EA 3/4" Copper Compression Repair Tee	78.28	
33 01 30 51-0098 EA 1" Copper Compression Repair Tee	92.38	
33 01 30 51-0099 EA 1" F x 1" M x 1" CTS Street Tee	82.06	
33 01 30 51-0100 Copper Compression Repair Fitting, Male Adapters (33 01 30 51-0080)		
33 01 30 51-0101 EA 3/4" M x 1/2" CTS Male Adapter	42.88	
33 01 30 51-0102 EA 3/4" M x 3/4" CTS Male Adapter	37.62	
33 01 30 51-0103 EA 1" M x 1" CTS Male Adapter	44.86	
33 01 30 51-0104 EA 1-1/4" M x 1" CTS Male Adapter	57.26	
33 01 30 51-0105 EA 1-1/4" M x 1-1/4" CTS Male Adapter	63.80	
33 01 30 51-0106 EA 1-1/2" M x 1" CTS Male Adapter	71.32	
33 01 30 51-0107 Copper Compression Repair Fitting, Female Adapters (33 01 30 51-0080)		
33 01 30 51-0108 EA 3/4" M x 3/4" CTS Female Adapter	48.67	
33 01 30 51-0109 EA 1" M x 1" CTS Female Adapter	54.67	
33 01 30 51-0110 Couplings And Fittings For Steel Pipe, Cast Body, Compression (33 01 30 51-0079) Note: Includes gaskets. Dresser style 90.		
33 01 30 51-0111 Couplings For Steel Pipe, Cast Body (Compression) (33 01 30 51-0110) Note: Includes gaskets.		
33 01 30 51-0112 EA 1/2" Coupling, Cast Body (Compression), 5" Middle Ring	49.15	
33 01 30 51-0113 EA 3/4" Coupling, Cast Body (Compression), 5" Middle Ring	51.41	
33 01 30 51-0114 EA 1" Coupling, Cast Body (Compression), 5" Middle Ring	58.32	
33 01 30 51-0115 EA 1-1/4" Coupling, Cast Body (Compression), 5" Middle Ring	65.28	
33 01 30 51-0116 EA 1-1/2" Coupling, Cast Body (Compression), 5" Middle Ring	80.87	
33 01 30 51-0117 EA 2" Coupling, Cast Body (Compression), 5" Middle Ring	98.09	
33 01 30 51-0118 EA 1/2" Coupling, Cast Body (Compression), 5" Middle Ring With Armored Gasket	50.28	
33 01 30 51-0119 EA 3/4" Coupling, Cast Body (Compression), 5" Middle Ring With Armored Gasket	52.65	
33 01 30 51-0120 EA 1" Coupling, Cast Body (Compression), 5" Middle Ring With Armored Gasket	58.50	
33 01 30 51-0121 EA 1-1/4" Coupling, Cast Body (Compression), 5" Middle Ring With Armored Gasket	65.85	
33 01 30 51-0122 EA 1-1/2" Coupling, Cast Body (Compression), 5" Middle Ring With Armored Gasket	82.75	
33 01 30 51-0123 EA 2" Coupling, Cast Body (Compression), 5" Middle Ring With Armored Gasket	98.92	
33 01 30 51-0124 EA 3/4" Coupling, Steel Body (Compression), 5" Middle Ring With Armored Gasket	90.02	



	MINOR	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
			33 01 30 51-0125 EA 1" Coupling, Steel Body (Compression), 5" Middle Ring With Armored Gasket	105.28	
			33 01 30 51-0126 EA 1-1/4" Coupling, Steel Body (Compression), 5" Middle Ring With Armored Gasket	110.78	
			33 01 30 51-0127 EA 1-1/2" Coupling, Steel Body (Compression), 5" Middle Ring With Armored Gasket	126.27	
			33 01 30 51-0128 EA 2" Coupling, Steel Body (Compression), 5" Middle Ring With Armored Gasket	153.36	
33 01 30 51-0129		Reducing Couplings For Steel Pipe (Compression) <small>(33 01 30 51-0110)</small>			
Note: Includes armored gaskets.					
			33 01 30 51-0130 EA 3/4" x 1/2" Reducing Coupling (Compression).....	55.16	
			33 01 30 51-0131 EA 1" x 3/4" Reducing Coupling (Compression).....	59.54	
			33 01 30 51-0132 EA 1-1/4" x 3/4" Reducing Coupling (Compression).....	67.33	
			33 01 30 51-0133 EA 1-1/4" x 1" Reducing Coupling (Compression).....	69.40	
			33 01 30 51-0134 EA 1-1/2" x 3/4" Reducing Coupling (Compression).....	124.19	
			33 01 30 51-0135 EA 1-1/2" x 1" Reducing Coupling (Compression).....	84.08	
			33 01 30 51-0136 EA 1-1/2" x 1-1/4" Reducing Coupling (Compression)	84.38	
			33 01 30 51-0137 EA 2" x 3/4" Reducing Coupling (Compression).....	148.42	
			33 01 30 51-0138 EA 2" x 1" Reducing Coupling (Compression).....	136.90	
			33 01 30 51-0139 EA 2" x 1-1/4" Reducing Coupling (Compression).....	109.48	
			33 01 30 51-0140 EA 2" x 1-1/2" Reducing Coupling (Compression).....	109.18	
33 01 30 51-0141		Steel Compression Repair Fittings, Elbows <small>(33 01 30 51-0110)</small>			
Note: Includes armored gaskets.					
			33 01 30 51-0142 EA 1" 45 Degree Elbow (Compression).....	85.99	
			33 01 30 51-0143 EA 1-1/4" 45 Degree Elbow (Compression)	90.83	
			33 01 30 51-0144 EA 1-1/2" 45 Degree Elbow (Compression)	116.74	
			33 01 30 51-0145 EA 2" 45 Degree Elbow (Compression).....	146.27	
			33 01 30 51-0146 EA 3/4" 90 Degree Elbow (Compression).....	59.95	
			33 01 30 51-0147 EA 1" 90 Degree Elbow (Compression).....	63.54	
			33 01 30 51-0148 EA 1-1/4" 90 Degree Elbow (Compression)	74.07	
			33 01 30 51-0149 EA 1-1/2" 90 Degree Elbow (Compression)	103.15	
			33 01 30 51-0150 EA 2" 90 Degree Elbow (Compression).....	114.83	
			33 01 30 51-0151 EA 3/4" Plain End 90 Degree Street Elbow (Compression).....	60.10	
			33 01 30 51-0152 EA 1" Plain End 90 Degree Street Elbow (Compression).....	56.07	
			33 01 30 51-0153 EA 1-1/4" Plain End 90 Degree Street Elbow (Compression).....	63.50	
			33 01 30 51-0154 EA 1-1/2" Plain End 90 Degree Street Elbow (Compression).....	80.09	
			33 01 30 51-0155 EA 2" Plain End 90 Degree Street Elbow (Compression).....	101.80	
			33 01 30 51-0156 EA 3/4" Threaded End 90 Degree Street Elbow (Compression)	61.73	
			33 01 30 51-0157 EA 1" Threaded End 90 Degree Street Elbow (Compression)	59.11	
			33 01 30 51-0158 EA 1-1/4" Threaded End 90 Degree Street Elbow (Compression)	74.79	
			33 01 30 51-0159 EA 1-1/2" Threaded End 90 Degree Street Elbow (Compression)	90.87	
			33 01 30 51-0160 EA 2" Threaded End 90 Degree Street Elbow (Compression)	124.85	
33 01 30 51-0161		Steel Compression Repair Fittings, Tees <small>(33 01 30 51-0110)</small>			
Note: Includes armored gaskets.					
			33 01 30 51-0162 EA 3/4" Street Tee (Compression)	70.31	
			33 01 30 51-0163 EA 1" Street Tee (Compression)	82.58	
			33 01 30 51-0164 EA 1-1/4" Street Tee (Compression)	85.99	
			33 01 30 51-0165 EA 1-1/2" Street Tee (Compression)	101.39	
			33 01 30 51-0166 EA 2" Street Tee (Compression)	144.83	
			33 01 30 51-0167 EA 1-1/4" x 1-1/4" x 1" Reducing Street Tee (Compression).....	85.40	
			33 01 30 51-0168 EA 1-1/4" x 1" x 1-1/4" Reducing Street Tee (Compression).....	88.35	
			33 01 30 51-0169 EA 1-1/2" x 1-1/2" x 1" Reducing Street Tee (Compression).....	110.61	
			33 01 30 51-0170 EA 1-1/2" x 1-1/2" x 1-1/4" Reducing Street Tee (Compression).....	123.92	
			33 01 30 51-0171 EA 1-1/2" x 1" x 1-1/2" Reducing Street Tee (Compression).....	124.50	
			33 01 30 51-0172 EA 1-1/2" x 1-1/4" x 1-1/2" Reducing Street Tee (Compression).....	109.36	
			33 01 30 51-0173 EA 2" x 1-1/4" x 2" Reducing Street Tee (Compression).....	141.96	
			33 01 30 51-0174 EA 2" x 1-1/2" x 2" Reducing Street Tee (Compression)	156.73	
			33 01 30 51-0175 EA 3/4" Welding Street Tee (Compression)	114.64	
			33 01 30 51-0176 EA 1" Welding Street Tee (Compression)	117.68	
			33 01 30 51-0177 EA 1-1/4" Welding Street Tee (Compression)	127.58	
			33 01 30 51-0178 EA 1-1/2" Welding Street Tee (Compression)	154.59	
			33 01 30 51-0179 EA 2" Welding Street Tee (Compression)	204.17	
			33 01 30 51-0180 EA 3/4" Regular Tee (Compression)	88.85	
			33 01 30 51-0181 EA 1" Regular Tee (Compression)	145.82	
			33 01 30 51-0182 EA 1-1/4" Regular Tee (Compression)	155.66	
			33 01 30 51-0183 EA 1-1/2" Regular Tee (Compression)	171.06	
			33 01 30 51-0184 EA 2" Regular Tee (Compression)	192.20	
			33 01 30 51-0185 EA 2" x 2" x 1-1/4" Regular Reducing Tee (Compression).....	189.83	
33 01 30 51-0186		Steel Compression Repair Fittings, Male Adapters <small>(33 01 30 51-0110)</small>			
Note: Includes armored gaskets.					
			33 01 30 51-0187 EA 3/4" Male Adapter (Compression).....	59.81	
			33 01 30 51-0188 EA 1" Male Adapter (Compression).....	67.23	
			33 01 30 51-0189 EA 1-1/4" Male Adapter (Compression).....	85.59	
			33 01 30 51-0190 EA 1-1/2" Male Adapter (Compression).....	98.42	
			33 01 30 51-0191 EA 2" Male Adapter (Compression).....	112.36	
			33 01 30 51-0192 EA 1" x 1-1/4" Male Adapter (Compression).....	85.21	

33 Utilities**33 01 Operation And Maintenance Of Utilities****33 01 30 Operation And Maintenance Of Sewer Utilities**

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

33 01 30 51-0193	Steel Compression Repair Fittings, Line Caps (33 01 30 51-0110)	
	Note: Includes armored gaskets.	
33 01 30 51-0194	EA 3/4" Line Caps (Compression)	31.71
33 01 30 51-0195	EA 1" Line Caps (Compression)	36.93
33 01 30 51-0196	EA 1-1/4" Line Caps (Compression)	42.23
33 01 30 51-0197	EA 1-1/2" Line Caps (Compression)	50.25
33 01 30 51-0198	EA 2" Line Caps (Compression)	61.73

33 01 30 51-0199	Couplings For Steel Pipe (33 01 30 51-0079)	
	Note: Includes Buna S gasket, Dresser style 38	
33 01 30 51-0200	EA 1/2" Coupling, 3-1/2" Middle Ring With Buna S Gasket	43.80
33 01 30 51-0201	EA 3/4" Coupling, 5" Middle Ring With Buna S Gasket	55.94
33 01 30 51-0202	EA 1" Coupling, 5" Middle Ring With Buna S Gasket	66.72
33 01 30 51-0203	EA 1-1/2" Coupling, 5" Middle Ring With Buna S Gasket	82.83
33 01 30 51-0204	EA 2" Coupling, 4" Middle Ring With Buna S Gasket	102.20
33 01 30 51-0205	EA 2" Coupling, 5" Middle Ring With Buna S Gasket	119.46
33 01 30 51-0206	EA 2" Coupling, 7" Middle Ring With Buna S Gasket	115.17
33 01 30 51-0207	EA 3" Coupling, 4" Middle Ring With Buna S Gasket	156.95
33 01 30 51-0208	EA 3" Coupling, 5" Middle Ring With Buna S Gasket	159.55
33 01 30 51-0209	EA 3" Coupling, 7" Middle Ring With Buna S Gasket	162.15
33 01 30 51-0210	EA 4" Coupling, 4" Middle Ring With Buna S Gasket	189.01
33 01 30 51-0211	EA 4" Coupling, 5" Middle Ring With Buna S Gasket	193.42
33 01 30 51-0212	EA 4" Coupling, 7" Middle Ring With Buna S Gasket	198.95
33 01 30 51-0213	EA 5" Coupling, 4" Middle Ring With Buna S Gasket	236.92
33 01 30 51-0214	EA 5" Coupling, 5" Middle Ring With Buna S Gasket	238.66
33 01 30 51-0215	EA 5" Coupling, 7" Middle Ring With Buna S Gasket	245.00
33 01 30 51-0216	EA 6" Coupling, 4" Middle Ring With Buna S Gasket	260.87
33 01 30 51-0217	EA 6" Coupling, 5" Middle Ring With Buna S Gasket	265.58
33 01 30 51-0218	EA 6" Coupling, 7" Middle Ring With Buna S Gasket	271.60
33 01 30 51-0219	EA 8" Coupling, 4" Middle Ring With Buna S Gasket	305.34
33 01 30 51-0220	EA 8" Coupling, 5" Middle Ring With Buna S Gasket	312.31
33 01 30 51-0221	EA 8" Coupling, 7" Middle Ring With Buna S Gasket	318.03
33 01 30 51-0222	EA 10" Coupling, 5" Middle Ring With Buna S Gasket	361.10
33 01 30 51-0223	EA 10" Coupling, 7" Middle Ring With Buna S Gasket	393.99
33 01 30 51-0224	EA 12" Coupling, 5" Middle Ring With Buna S Gasket	409.71
33 01 30 51-0225	EA 12" Coupling, 7" Middle Ring With Buna S Gasket	479.43
33 01 30 51-0226	EA 14" Coupling, 7" Middle Ring With Buna S Gasket	544.03
33 01 30 51-0227	EA 16" Coupling, 7" Middle Ring With Buna S Gasket	629.23
33 01 30 51-0228	EA 18" Coupling, 7" Middle Ring With Buna S Gasket	688.60
33 01 30 51-0229	EA 20" Coupling, 7" Middle Ring With Buna S Gasket	742.76
33 01 30 51-0230	EA 22" Coupling, 7" Middle Ring With Buna S Gasket	884.03
33 01 30 51-0231	EA 24" Coupling, 7" Middle Ring With Buna S Gasket	934.30

33 01 30 51-0232	Couplings For Steel Pipe (33 01 30 51-0079)	
	Note: Includes Buna S gasket, protected, Dresser style 38.	
33 01 30 51-0233	EA 1/2" Coupling, 3-1/2" Middle Ring With Buna S Gasket, Protected	44.55
33 01 30 51-0234	EA 3/4" Coupling, 5" Middle Ring With Buna S Gasket, Protected	55.84
33 01 30 51-0235	EA 1" Coupling, 5" Middle Ring With Buna S Gasket, Protected	66.67
33 01 30 51-0236	EA 1-1/2" Coupling, 5" Middle Ring With Buna S Gasket, Protected	82.49
33 01 30 51-0237	EA 2" Coupling, 4" Middle Ring With Buna S Gasket, Protected	112.12
33 01 30 51-0238	EA 2" Coupling, 5" Middle Ring With Buna S Gasket, Protected	110.75
33 01 30 51-0239	EA 2" Coupling, 7" Middle Ring With Buna S Gasket, Protected	111.44
33 01 30 51-0240	EA 3" Coupling, 4" Middle Ring With Buna S Gasket, Protected	162.15
33 01 30 51-0241	EA 3" Coupling, 5" Middle Ring With Buna S Gasket, Protected	164.75
33 01 30 51-0242	EA 3" Coupling, 7" Middle Ring With Buna S Gasket, Protected	167.35
33 01 30 51-0243	EA 4" Coupling, 4" Middle Ring With Buna S Gasket, Protected	196.09
33 01 30 51-0244	EA 4" Coupling, 5" Middle Ring With Buna S Gasket, Protected	191.51
33 01 30 51-0245	EA 4" Coupling, 7" Middle Ring With Buna S Gasket, Protected	193.92
33 01 30 51-0246	EA 5" Coupling, 4" Middle Ring With Buna S Gasket, Protected	246.04
33 01 30 51-0247	EA 5" Coupling, 5" Middle Ring With Buna S Gasket, Protected	247.32
33 01 30 51-0248	EA 5" Coupling, 7" Middle Ring With Buna S Gasket, Protected	306.29
33 01 30 51-0249	EA 6" Coupling, 4" Middle Ring With Buna S Gasket, Protected	263.66
33 01 30 51-0250	EA 6" Coupling, 5" Middle Ring With Buna S Gasket, Protected	270.43
33 01 30 51-0251	EA 6" Coupling, 7" Middle Ring With Buna S Gasket, Protected	273.04
33 01 30 51-0252	EA 8" Coupling, 4" Middle Ring With Buna S Gasket, Protected	320.47
33 01 30 51-0253	EA 8" Coupling, 5" Middle Ring With Buna S Gasket, Protected	323.04
33 01 30 51-0254	EA 8" Coupling, 7" Middle Ring With Buna S Gasket, Protected	327.18
33 01 30 51-0255	EA 10" Coupling, 5" Middle Ring With Buna S Gasket, Protected	367.34
33 01 30 51-0256	EA 10" Coupling, 7" Middle Ring With Buna S Gasket, Protected	400.49
33 01 30 51-0257	EA 12" Coupling, 5" Middle Ring With Buna S Gasket, Protected	416.21
33 01 30 51-0258	EA 12" Coupling, 7" Middle Ring With Buna S Gasket, Protected	485.79
33 01 30 51-0259	EA 14" Coupling, 7" Middle Ring With Buna S Gasket, Protected	550.53
33 01 30 51-0260	EA 16" Coupling, 7" Middle Ring With Buna S Gasket, Protected	638.98
33 01 30 51-0261	EA 18" Coupling, 7" Middle Ring With Buna S Gasket, Protected	701.60
33 01 30 51-0262	EA 20" Coupling, 7" Middle Ring With Buna S Gasket, Protected	755.76
33 01 30 51-0263	EA 22" Coupling, 7" Middle Ring With Buna S Gasket, Protected	897.03
33 01 30 51-0264	EA 24" Coupling, 7" Middle Ring With Buna S Gasket, Protected	947.30



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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33 01 30 51-0265

Couplings For Steel Pipe (33 01 30 51-0079)

Note: Includes Buna N gasket, protected. Dresser style 38.

33 01 30 51-0266	EA	1/2" Coupling, 3-1/2" Middle Ring With Buna N Gasket, Protected	49.17
33 01 30 51-0267	EA	3/4" Coupling, 5" Middle Ring With Buna N Gasket, Protected.....	60.54
33 01 30 51-0268	EA	1" Coupling, 5" Middle Ring With Buna N Gasket, Protected.....	72.19
33 01 30 51-0269	EA	1-1/2" Coupling, 5" Middle Ring With Buna N Gasket, Protected	89.66
33 01 30 51-0270	EA	2" Coupling, 4" Middle Ring With Buna N Gasket, Protected.....	112.12
33 01 30 51-0271	EA	2" Coupling, 5" Middle Ring With Buna N Gasket, Protected.....	123.73
33 01 30 51-0272	EA	2" Coupling, 7" Middle Ring With Buna N Gasket, Protected.....	127.59
33 01 30 51-0273	EA	3" Coupling, 4" Middle Ring With Buna N Gasket, Protected.....	162.15
33 01 30 51-0274	EA	3" Coupling, 5" Middle Ring With Buna N Gasket, Protected.....	164.75
33 01 30 51-0275	EA	3" Coupling, 7" Middle Ring With Buna N Gasket, Protected.....	167.35
33 01 30 51-0276	EA	4" Coupling, 4" Middle Ring With Buna N Gasket, Protected.....	196.09
33 01 30 51-0277	EA	4" Coupling, 5" Middle Ring With Buna N Gasket, Protected.....	205.36
33 01 30 51-0278	EA	4" Coupling, 7" Middle Ring With Buna N Gasket, Protected.....	208.89
33 01 30 51-0279	EA	5" Coupling, 4" Middle Ring With Buna N Gasket, Protected.....	246.04
33 01 30 51-0280	EA	5" Coupling, 5" Middle Ring With Buna N Gasket, Protected.....	247.32
33 01 30 51-0281	EA	5" Coupling, 7" Middle Ring With Buna N Gasket, Protected.....	262.20
33 01 30 51-0282	EA	6" Coupling, 4" Middle Ring With Buna N Gasket, Protected.....	263.66
33 01 30 51-0283	EA	6" Coupling, 5" Middle Ring With Buna N Gasket, Protected.....	270.43
33 01 30 51-0284	EA	6" Coupling, 7" Middle Ring With Buna N Gasket, Protected.....	273.04
33 01 30 51-0285	EA	8" Coupling, 4" Middle Ring With Buna N Gasket, Protected.....	320.47
33 01 30 51-0286	EA	8" Coupling, 5" Middle Ring With Buna N Gasket, Protected.....	323.04
33 01 30 51-0287	EA	8" Coupling, 7" Middle Ring With Buna N Gasket, Protected.....	327.18
33 01 30 51-0288	EA	10" Coupling, 5" Middle Ring With Buna N Gasket, Protected.....	367.34
33 01 30 51-0289	EA	10" Coupling, 7" Middle Ring With Buna N Gasket, Protected.....	400.49
33 01 30 51-0290	EA	12" Coupling, 5" Middle Ring With Buna N Gasket, Protected.....	416.21
33 01 30 51-0291	EA	12" Coupling, 7" Middle Ring With Buna N Gasket, Protected.....	485.79
33 01 30 51-0292	EA	14" Coupling, 7" Middle Ring With Buna N Gasket, Protected.....	550.53
33 01 30 51-0293	EA	16" Coupling, 7" Middle Ring With Buna N Gasket, Protected.....	629.23
33 01 30 51-0294	EA	18" Coupling, 7" Middle Ring With Buna N Gasket, Protected.....	701.60
33 01 30 51-0295	EA	20" Coupling, 7" Middle Ring With Buna N Gasket, Protected.....	755.76
33 01 30 51-0296	EA	22" Coupling, 7" Middle Ring With Buna N Gasket, Protected.....	897.03
33 01 30 51-0297	EA	24" Coupling, 7" Middle Ring With Buna N Gasket, Protected.....	947.30

33 01 30 51-0298

Couplings For Steel Pipe (33 01 30 51-0079)

Note: Includes high temperature carded glass gasket, protected. Dresser style 38.

33 01 30 51-0299	EA	3/4" Coupling, 5" Middle Ring With High Temp Carded Glass Gasket	76.85
33 01 30 51-0300	EA	1" Coupling, 5" Middle Ring With High Temp Carded Glass Gasket	87.10
33 01 30 51-0301	EA	1-1/2" Coupling, 5" Middle Ring With High Temp Carded Glass Gasket	98.75
33 01 30 51-0302	EA	2" Coupling, 4" Middle Ring With High Temp Carded Glass Gasket	139.61
33 01 30 51-0303	EA	2" Coupling, 5" Middle Ring With High Temp Carded Glass Gasket	146.73
33 01 30 51-0304	EA	2" Coupling, 7" Middle Ring With High Temp Carded Glass Gasket	150.35
33 01 30 51-0305	EA	3" Coupling, 5" Middle Ring With High Temp Carded Glass Gasket	187.21
33 01 30 51-0306	EA	3" Coupling, 7" Middle Ring With High Temp Carded Glass Gasket	186.39
33 01 30 51-0307	EA	4" Coupling, 5" Middle Ring With High Temp Carded Glass Gasket	218.36
33 01 30 51-0308	EA	4" Coupling, 7" Middle Ring With High Temp Carded Glass Gasket	221.89
33 01 30 51-0309	EA	5" Coupling, 5" Middle Ring With High Temp Carded Glass Gasket	287.68
33 01 30 51-0310	EA	5" Coupling, 7" Middle Ring With High Temp Carded Glass Gasket	292.36
33 01 30 51-0311	EA	6" Coupling, 5" Middle Ring With High Temp Carded Glass Gasket	314.53
33 01 30 51-0312	EA	6" Coupling, 7" Middle Ring With High Temp Carded Glass Gasket	317.64
33 01 30 51-0313	EA	8" Coupling, 4" Middle Ring With High Temp Carded Glass Gasket	342.77
33 01 30 51-0314	EA	8" Coupling, 5" Middle Ring With High Temp Carded Glass Gasket	389.29
33 01 30 51-0315	EA	8" Coupling, 7" Middle Ring With High Temp Carded Glass Gasket	408.26
33 01 30 51-0316	EA	10" Coupling, 5" Middle Ring With High Temp Carded Glass Gasket	432.07
33 01 30 51-0317	EA	10" Coupling, 7" Middle Ring With High Temp Carded Glass Gasket	432.01
33 01 30 51-0318	EA	12" Coupling, 5" Middle Ring With High Temp Carded Glass Gasket	526.93
33 01 30 51-0319	EA	12" Coupling, 7" Middle Ring With High Temp Carded Glass Gasket	541.22
33 01 30 51-0320	EA	14" Coupling, 7" Middle Ring With High Temp Carded Glass Gasket	615.82
33 01 30 51-0321	EA	16" Coupling, 7" Middle Ring With High Temp Carded Glass Gasket	739.61
33 01 30 51-0322	EA	18" Coupling, 7" Middle Ring With High Temp Carded Glass Gasket	745.80
33 01 30 51-0323	EA	20" Coupling, 7" Middle Ring With High Temp Carded Glass Gasket	822.71
33 01 30 51-0324	EA	22" Coupling, 7" Middle Ring With High Temp Carded Glass Gasket	888.58
33 01 30 51-0325	EA	24" Coupling, 7" Middle Ring With High Temp Carded Glass Gasket	960.30

33 01 30 51-0326

Temporary Bypass And Service Lines (33 01 30 51-0001)

Note: Laid on ground, includes fittings and connections. Remove after use.

33 01 30 51-0327

Temporary Water Service Lines (33 01 30 51-0326)

Note: Laid on ground, includes fittings, connections and chlorination prior to each use. Remove after use.

33 01 30 51-0328	LF	1/2" Temporary Service Hose With Fittings	2.73
		Note: Includes removal after use.	
33 01 30 51-0329	LF	3/4" Temporary Service Hose With Fittings	3.47
		Note: Includes removal after use.	
33 01 30 51-0330	LF	1" Temporary Service Hose With Fittings	4.02
		Note: Includes removal after use.	
33 01 30 51-0331	LF	1-1/2" Temporary Service Hose With Fittings	4.78
		Note: Includes removal after use.	
33 01 30 51-0332	LF	2" Temporary Service Hose With Fittings	5.86
		Note: Includes removal after use.	

33 Utilities**33 01 Operation And Maintenance Of Utilities****33 01 30 Operation And Maintenance Of Sewer Utilities**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 51-0333 EA Temporary Service Valve Assembly At Fire Hydrant Note: Includes removal after use.	307.69	
33 01 30 51-0334 Temporary Bypass Water Main Lines (33 01 30 51-0326) Note: Laid on ground, includes fittings, connections and chlorination prior to each use. Remove after use.		
33 01 30 51-0335 LF 2" Temporary Bypass Pipe With Fittings..... Note: Includes removal after use.	6.08	
For >500 To 1,000, Deduct	-0.43	
For >1,000 To 5,000, Deduct	-0.86	
For >5,000, Deduct	-1.43	
33 01 30 51-0336 LF 4" Temporary Bypass Pipe With Fittings..... Note: Includes removal after use.	7.87	
For >500 To 1,000, Deduct	-0.55	
For >1,000 To 5,000, Deduct	-1.10	
For >5,000, Deduct	-1.83	
33 01 30 51-0337 LF 6" Temporary Bypass Pipe With Fittings..... Note: Includes removal after use.	9.66	
For >500 To 1,000, Deduct	-0.64	
For >1,000 To 5,000, Deduct	-1.28	
For >5,000, Deduct	-2.14	
33 01 30 51-0338 LF 8" Temporary Bypass Pipe With Fittings..... Note: Includes removal after use.	12.16	
For >500 To 1,000, Deduct	-0.77	
For >1,000 To 5,000, Deduct	-1.54	
For >5,000, Deduct	-2.56	
33 01 30 51-0339 Piping Protection For Temporary Water Line (33 01 30 51-0326)		
33 01 30 51-0340 LF Cold Mix For Temporary Pipe..... Note: Install along each side of pipe edge. Unit of measure "LF" is for length of pipe and includes both sides of pipe.	2.36	
33 01 30 51-0341 Drill Meter Cover For Temporary Water Line (33 01 30 51-0326)		
33 01 30 51-0342 EA Drill Meter Cover For Temporary Bypass Pipe.....	13.19	
33 01 30 51-0343 Grind Offset Joint (33 01 30 51-0001)		
33 01 30 51-0344 EA 6" To 10", Grind Drop Offset Joint.....	324.68	
33 01 30 51-0345 EA >10" To 15", Grind Drop Offset Joint.....	432.91	
33 01 30 51-0346 EA >15" To 24", Grind Drop Offset Joint.....	541.14	
33 01 30 51-0347 EA >24" To 30", Grind Drop Offset Joint.....	649.37	
33 01 30 51-0348 Temporary Pipe Plugging (33 01 30 51-0001)		
33 01 30 51-0349 Gravity Bladder Pipe Plugging (33 01 30 51-0348) Note: Includes insertion of expandable bladder device into pipe, expanding to block flow and removal.		
33 01 30 51-0350 EA 3/4" Bladder Type Pipe Plug.....	62.29	
33 01 30 51-0351 EA 1" Bladder Type Pipe Plug.....	66.71	
33 01 30 51-0352 EA 1-1/4" Bladder Type Pipe Plug.....	72.33	
33 01 30 51-0353 EA 1-1/2" Bladder Type Pipe Plug.....	77.47	
33 01 30 51-0354 EA 2" Bladder Type Pipe Plug.....	82.36	
33 01 30 51-0355 EA 2-1/2" Bladder Type Pipe Plug.....	87.96	
33 01 30 51-0356 EA 3" Bladder Type Pipe Plug.....	95.37	
33 01 30 51-0357 EA 4" Bladder Type Pipe Plug.....	105.04	
33 01 30 51-0358 EA 5" Bladder Type Pipe Plug.....	113.75	
33 01 30 51-0359 EA 6" Bladder Type Pipe Plug.....	126.76	
33 01 30 51-0360 EA 8" Bladder Type Pipe Plug.....	140.83	
33 01 30 51-0361 EA 10" Bladder Type Pipe Plug.....	163.13	
33 01 30 51-0362 EA 12" Bladder Type Pipe Plug.....	193.33	
33 01 30 51-0363 EA 14" Bladder Type Pipe Plug.....	229.62	
33 01 30 51-0364 EA 16" Bladder Type Pipe Plug.....	276.43	
33 01 30 51-0365 EA 18" Bladder Type Pipe Plug.....	332.68	
33 01 30 51-0366 EA 20" Bladder Type Pipe Plug.....	397.98	
33 01 30 51-0367 EA 24" Bladder Type Pipe Plug.....	460.27	
33 01 30 51-0368 Hydra Stop, Hot Tapping Of Pressure Pipe (33 01 30 51-0348) Note: Includes flanged or threaded lateral outlet, cutting and tapping pipe, insertion of expandable bladder device into pipe, expanding to block flow, and removal of bladder/cutting device.		
33 01 30 51-0369 EA 2" Hydra Stop, Line Stopper.....	1,628.51	
33 01 30 51-0370 EA 2-1/2" Hydra Stop, Line Stopper.....	2,042.32	
33 01 30 51-0371 EA 3" Hydra Stop, Line Stopper.....	2,496.34	
33 01 30 51-0372 EA 4" Hydra Stop, Line Stopper.....	3,056.10	
33 01 30 51-0373 EA 5" Hydra Stop, Line Stopper.....	3,502.02	
33 01 30 51-0374 EA 6" Hydra Stop, Line Stopper.....	4,259.93	
33 01 30 51-0375 EA 8" Hydra Stop, Line Stopper.....	4,705.84	
33 01 30 51-0376 EA 10" Hydra Stop, Line Stopper.....	5,463.72	
33 01 30 51-0377 EA 12" Hydra Stop, Line Stopper.....	6,221.62	
33 01 30 51-0378 EA 14" Hydra Stop, Line Stopper.....	7,012.98	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
				33 01 30 51-0379 EA 16" Hydra Stop, Line Stopper	8,005.31	
				33 01 30 51-0380 EA 18" Hydra Stop, Line Stopper	9,098.07	
				33 01 30 51-0381 EA 20" Hydra Stop, Line Stopper	10,659.55	
33 01 30 51-0382 Aluminum Expansion Plugs (33 01 30 51-0348)						
Note: For use with PVC, clay Or cast iron drainage pipe.						
				33 01 30 51-0383 EA 3" Pipe Plug	46.98	
				33 01 30 51-0384 EA 4" Pipe Plug	64.77	
				33 01 30 51-0385 EA 5" Pipe Plug	72.69	
				33 01 30 51-0386 EA 6" Pipe Plug	106.60	
				33 01 30 51-0387 EA 8" Pipe Plug	109.94	
				33 01 30 51-0388 EA 10" Pipe Plug	135.70	
				33 01 30 51-0389 EA 12" Pipe Plug	180.23	
				33 01 30 51-0390 EA 14" Pipe Plug	284.59	
				33 01 30 51-0391 EA 15" Pipe Plug	307.61	
33 01 30 51-0392 Pipe Repair Clamp, Stainless Steel, 3" Long (33 01 30 51-0001)						
				33 01 30 51-0393 EA 1/2" Diameter Pipe Clamp, Stainless Steel, 3" Long.....	145.08	
				33 01 30 51-0394 EA 3/4" Diameter Pipe Clamp, Stainless Steel, 3" Long.....	145.26	
				33 01 30 51-0395 EA 1" Diameter Pipe Clamp, Stainless Steel, 3" Long.....	145.70	
				33 01 30 51-0396 EA 1-1/4" Diameter Pipe Clamp, Stainless Steel, 3" Long	146.14	
				33 01 30 51-0397 EA 1-1/2" Diameter Pipe Clamp, Stainless Steel, 3" Long	146.36	
				33 01 30 51-0398 EA 2" Diameter Pipe Clamp, Stainless Steel, 3" Long.....	147.02	
				33 01 30 51-0399 EA 2-1/2" Diameter Pipe Clamp, Stainless Steel, 3" Long	147.68	
				33 01 30 51-0400 EA 3" Diameter Pipe Clamp, Stainless Steel, 3" Long.....	148.56	
				33 01 30 51-0401 EA 4" Diameter Pipe Clamp, Stainless Steel, 3" Long.....	266.78	
				33 01 30 51-0402 EA 6" Diameter Pipe Clamp, Stainless Steel, 3" Long.....	269.64	
				33 01 30 51-0403 EA 8" Diameter Pipe Clamp, Stainless Steel, 3" Long.....	271.63	
				33 01 30 51-0404 EA 10" Diameter Pipe Clamp, Stainless Steel, 3" Long.....	292.58	
				33 01 30 51-0405 EA 12" Diameter Pipe Clamp, Stainless Steel, 3" Long.....	295.23	
				33 01 30 51-0406 EA 14" Diameter Pipe Clamp, Stainless Steel, 3" Long.....	297.00	
				33 01 30 51-0407 EA 16" Diameter Pipe Clamp, Stainless Steel, 3" Long.....	299.64	
				33 01 30 51-0408 EA 18" Diameter Pipe Clamp, Stainless Steel, 3" Long.....	302.29	
				33 01 30 51-0409 EA 20" Diameter Pipe Clamp, Stainless Steel, 3" Long.....	305.82	
				33 01 30 51-0410 EA 24" Diameter Pipe Clamp, Stainless Steel, 3" Long.....	311.99	
33 01 30 61 Sewer and Pipe Joint Sealing (33 01 30)						
33 01 30 61-0001 Joint Air Test (33 01 30 61)						
				33 01 30 61-0002 EA 4" To 8", Joint Air Test	81.31	
				33 01 30 61-0003 EA 10" To 15", Joint Air Test.....	94.86	
				33 01 30 61-0004 EA >15" To 21", Joint Air Test.....	108.41	
				33 01 30 61-0005 EA >21" To 24", Joint Air Test	135.51	
				33 01 30 61-0006 EA >24" To 27", Joint Air Test.....	162.61	
				33 01 30 61-0007 EA >27" To 36", Joint Air Test.....	189.71	
33 01 30 61-0008 Joint Seal And Joint Air Retest (33 01 30 61)						
Note: Includes grout.						
				33 01 30 61-0009 EA 4" Joint Seal And Joint Air Retest.....	234.88	
Note: Includes up to 1 gallon of grout.						
				33 01 30 61-0010 EA 6" Joint Seal And Joint Air Retest.....	261.98	
Note: Includes 1 gallon of grout.						
				33 01 30 61-0011 EA 8" Joint Seal And Joint Air Retest.....	307.13	
Note: Includes 2 gallons of grout.						
				33 01 30 61-0012 EA 10" Joint Seal And Joint Air Retest.....	343.27	
Note: Includes 2.5 gallons of grout.						
				33 01 30 61-0013 EA 12" Joint Seal And Joint Air Retest.....	379.40	
Note: Includes 3 gallons of grout.						
				33 01 30 61-0014 EA 15" Joint Seal And Joint Air Retest.....	447.14	
Note: Includes 3.75 gallons of grout.						
				33 01 30 61-0015 EA 18" Joint Seal And Joint Air Retest.....	514.88	
Note: Includes 4.5 gallons of grout.						
				33 01 30 61-0016 EA 21" Joint Seal And Joint Air Retest.....	582.64	
Note: Includes 5.25 gallons of grout.						
				33 01 30 61-0017 EA 24" Joint Seal And Joint Air Retest.....	677.49	
Note: Includes 6 gallons of grout.						
				33 01 30 61-0018 EA 27" Joint Seal And Joint Air Retest.....	772.33	
Note: Includes 6.75 gallons of grout.						
				33 01 30 61-0019 EA 30" Joint Seal And Joint Air Retest.....	894.28	
Note: Includes 7.5 gallons of grout.						
				33 01 30 61-0020 EA 36" Joint Seal And Joint Air Retest.....	1,029.77	
Note: Includes 9 gallons of grout.						
				33 01 30 61-0021 GAL Extra Grout Per Joint	126.47	
Note: For extra grout per joint required over listed amount.						
33 01 30 79 Relining Pipelines (33 01 30)						

33 Utilities**33 01 Operation And Maintenance Of Utilities****33 01 30 Operation And Maintenance Of Sewer Utilities**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 79-0001 Relining Underground Pipelines <small>(33 01 30 79)</small>		
Note: Excludes CCTV inspection, sewer cleaning, pavement both temporary and permanent, emergency after hours response for homeowners backups. See CSI section 01 22 20 00-0000 for hourly rates for after hours response for homeowners backups, 32 01 17 63-0000 for temporary pavement, 32 12 16 00-0000 for permanent pavement, 33 01 30 11-0000 for CCTV Inspection, 33 01 30 41-0002 for sewer cleaning.		
33 01 30 79-0002 Relining Underground Pipelines Set-Up And Reinsertion <small>(33 01 30 79-0001)</small>		
33 01 30 79-0003 EA Initial Set Up And Final Equipment Removal For Relining Underground Pipelines.....	4,052.68	
33 01 30 79-0004 EA Move And Reset Up At Different Access/Location For Relining Underground Pipelines	1,621.07	
33 01 30 79-0005 EA Mixing Truck And Refrigeration For 54" To 72" Cured In-Place Pipe.....	26,375.53	
Note: Need to mix wet material in bag prior to installation. Not needed for small sizes.		
33 01 30 79-0006 Lining Pipe With Cured In-Place Pipe <small>(33 01 30 79-0001)</small>		
Note: Cured in-place thermosetting resin pipe and resin impregnated tube.		
33 01 30 79-0007 LF 6mm Lining 6" Pipe With Cured In-Place Pipe (CIPP)	25.38	
For Up To 75, Add	17.23	
For >75 To 150, Add	8.62	
For >500 To 1,000, Deduct	-0.69	
For >1,000 To 2,000, Deduct	-1.34	
For >2,000 To 5,000, Deduct	-2.08	
For >5,000, Deduct	-3.01	
For 7.5mm Liner Thickness, Add	4.01	
For 9mm Liner Thickness, Add	8.10	
33 01 30 79-0008 LF 6mm Lining 8" Pipe With Cured In-Place Pipe (CIPP)	28.05	
For Up To 75, Add	18.78	
For >75 To 150, Add	9.39	
For >500 To 1,000, Deduct	-0.76	
For >1,000 To 2,000, Deduct	-1.48	
For >2,000 To 5,000, Deduct	-2.29	
For >5,000, Deduct	-3.31	
For 7.5mm Liner Thickness, Add	4.48	
For 9mm Liner Thickness, Add	9.06	
33 01 30 79-0009 LF 6mm Lining 10" Pipe With Cured In-Place Pipe (CIPP)	31.36	
For Up To 75, Add	20.65	
For >75 To 150, Add	10.33	
For >500 To 1,000, Deduct	-0.85	
For >1,000 To 2,000, Deduct	-1.64	
For >2,000 To 5,000, Deduct	-2.55	
For >5,000, Deduct	-3.69	
For 7.5mm Liner Thickness, Add	5.08	
For 9mm Liner Thickness, Add	10.26	
33 01 30 79-0010 LF 6mm Lining 12" Pipe With Cured In-Place Pipe (CIPP)	34.90	
For Up To 75, Add	22.79	
For >75 To 150, Add	11.39	
For >500 To 1,000, Deduct	-0.94	
For >1,000 To 2,000, Deduct	-1.82	
For >2,000 To 5,000, Deduct	-2.82	
For >5,000, Deduct	-4.10	
For 7.5mm Liner Thickness, Add	5.69	
For 9mm Liner Thickness, Add	11.50	
33 01 30 79-0011 LF 6mm Lining 15" Pipe With Cured In-Place Pipe (CIPP)	40.05	
For Up To 75, Add	25.96	
For >75 To 150, Add	12.98	
For >500 To 1,000, Deduct	-1.08	
For >1,000 To 2,000, Deduct	-2.09	
For >2,000 To 5,000, Deduct	-3.23	
For >5,000, Deduct	-4.70	
For 7.5mm Liner Thickness, Add	6.56	
For 9mm Liner Thickness, Add	13.26	
For 10.5mm Liner Thickness, Add	19.88	
For 12mm Liner Thickness, Add	26.45	
For 13.5mm Liner Thickness, Add	33.11	
For 15mm Liner Thickness, Add	39.67	
33 01 30 79-0012 LF 6mm Lining 18" Pipe With Cured In-Place Pipe (CIPP)	46.75	
For Up To 75, Add	29.62	
For >75 To 150, Add	14.81	
For >500 To 1,000, Deduct	-1.25	
For >1,000 To 2,000, Deduct	-2.42	
For >2,000 To 5,000, Deduct	-3.74	
For >5,000, Deduct	-5.45	
For 7.5mm Liner Thickness, Add	7.79	
For 9mm Liner Thickness, Add	15.75	
For 10.5mm Liner Thickness, Add	23.60	
For 12mm Liner Thickness, Add	31.41	
For 13.5mm Liner Thickness, Add	39.32	
For 15mm Liner Thickness, Add	47.11	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 79-0013 LF 6mm Lining 21" Pipe With Cured In-Place Pipe (CIPP)	52.30	
For Up To 75, Add	32.42	
For >75 To 150, Add	16.21	
For >500 To 1,000, Deduct	-1.38	
For >1,000 To 2,000, Deduct	-2.68	
For >2,000 To 5,000, Deduct	-4.15	
For >5,000, Deduct	-6.07	
For 7.5mm Liner Thickness, Add	8.85	
For 9mm Liner Thickness, Add	17.90	
For 10.5mm Liner Thickness, Add	26.82	
For 12mm Liner Thickness, Add	35.69	
For 13.5mm Liner Thickness, Add	44.69	
For 15mm Liner Thickness, Add	53.54	
For 16.5mm Liner Thickness, Add	63.54	
For 18mm Liner Thickness, Add	72.61	
For 19.5mm Liner Thickness, Add	81.97	
For 21mm Liner Thickness, Add	90.96	
For 22.5mm Liner Thickness, Add	100.03	
For 24mm Liner Thickness, Add	109.14	
For 27mm Liner Thickness, Add	127.37	
33 01 30 79-0014 LF 6mm Lining 24" Pipe With Cured In-Place Pipe (CIPP)	57.08	
For Up To 75, Add	35.36	
For >75 To 150, Add	17.68	
For >500 To 1,000, Deduct	-1.51	
For >1,000 To 2,000, Deduct	-2.93	
For >2,000 To 5,000, Deduct	-4.53	
For >5,000, Deduct	-6.63	
For 7.5mm Liner Thickness, Add	9.67	
For 9mm Liner Thickness, Add	19.54	
For 10.5mm Liner Thickness, Add	29.28	
For 12mm Liner Thickness, Add	38.97	
For 13.5mm Liner Thickness, Add	48.79	
For 15mm Liner Thickness, Add	58.45	
For 16.5mm Liner Thickness, Add	69.37	
For 18mm Liner Thickness, Add	79.28	
For 19.5mm Liner Thickness, Add	89.49	
For 21mm Liner Thickness, Add	99.31	
For 22.5mm Liner Thickness, Add	109.21	
For 24mm Liner Thickness, Add	119.16	
For 27mm Liner Thickness, Add	139.06	
33 01 30 79-0015 LF 6mm Lining 27" Pipe With Cured In-Place Pipe (CIPP)	64.18	
For Up To 75, Add	39.17	
For >75 To 150, Add	19.59	
For >500 To 1,000, Deduct	-1.69	
For >1,000 To 2,000, Deduct	-3.28	
For >2,000 To 5,000, Deduct	-5.07	
For >5,000, Deduct	-7.43	
For 7.5mm Liner Thickness, Add	10.98	
For 9mm Liner Thickness, Add	22.20	
For 10.5mm Liner Thickness, Add	33.27	
For 12mm Liner Thickness, Add	44.27	
For 13.5mm Liner Thickness, Add	55.43	
For 15mm Liner Thickness, Add	66.41	
For 16.5mm Liner Thickness, Add	78.81	
For 18mm Liner Thickness, Add	90.06	
For 19.5mm Liner Thickness, Add	101.67	
For 21mm Liner Thickness, Add	112.82	
For 22.5mm Liner Thickness, Add	124.07	
For 24mm Liner Thickness, Add	135.37	
For 27mm Liner Thickness, Add	157.98	
33 01 30 79-0016 LF 6mm Lining 30" Pipe With Cured In-Place Pipe (CIPP)	71.31	
For Up To 75, Add	43.53	
For >75 To 150, Add	21.76	
For >500 To 1,000, Deduct	-1.88	
For >1,000 To 2,000, Deduct	-3.64	
For >2,000 To 5,000, Deduct	-5.63	
For >5,000, Deduct	-8.26	
For 7.5mm Liner Thickness, Add	12.20	
For 9mm Liner Thickness, Add	24.67	
For 10.5mm Liner Thickness, Add	36.97	
For 12mm Liner Thickness, Add	49.19	
For 13.5mm Liner Thickness, Add	61.59	
For 15mm Liner Thickness, Add	73.79	
For 16.5mm Liner Thickness, Add	87.56	
For 18mm Liner Thickness, Add	100.07	
For 19.5mm Liner Thickness, Add	112.97	
For 21mm Liner Thickness, Add	125.35	
For 22.5mm Liner Thickness, Add	137.86	
For 24mm Liner Thickness, Add	150.41	
For 27mm Liner Thickness, Add	175.54	

33 Utilities**33 01 Operation And Maintenance Of Utilities****33 01 30 Operation And Maintenance Of Sewer Utilities**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 79-0017 LF 6mm Lining 36" Pipe With Cured In-Place Pipe (CIPP)	86.64	
For Up To 75, Add	50.26	
For >75 To 150, Add	25.13	
For >500 To 1,000, Deduct	-2.24	
For >1,000 To 2,000, Deduct	-4.35	
For >2,000 To 5,000, Deduct	-6.72	
For >5,000, Deduct	-9.93	
For 7.5mm Liner Thickness, Add	15.33	
For 9mm Liner Thickness, Add	30.99	
For 10.5mm Liner Thickness, Add	46.44	
For 12mm Liner Thickness, Add	61.80	
For 13.5mm Liner Thickness, Add	77.37	
For 15mm Liner Thickness, Add	92.70	
For 16.5mm Liner Thickness, Add	110.01	
For 18mm Liner Thickness, Add	125.72	
For 19.5mm Liner Thickness, Add	141.93	
For 21mm Liner Thickness, Add	157.49	
For 22.5mm Liner Thickness, Add	173.20	
For 24mm Liner Thickness, Add	188.97	
For 27mm Liner Thickness, Add	220.54	
33 01 30 79-0018 LF 13.5mm Lining 42" Pipe With Cured In-Place Pipe (CIPP)	193.64	
For Up To 75, Add	76.36	
For >75 To 150, Add	38.18	
For >500 To 1,000, Deduct	-4.45	
For >1,000 To 2,000, Deduct	-8.76	
For >2,000 To 5,000, Deduct	-13.36	
For >5,000, Deduct	-20.81	
For 15mm Liner Thickness, Add	18.30	
For 16.5mm Liner Thickness, Add	38.62	
For 18mm Liner Thickness, Add	58.23	
For 19.5mm Liner Thickness, Add	76.81	
For 21mm Liner Thickness, Add	95.55	
For 22.5mm Liner Thickness, Add	114.23	
For 24mm Liner Thickness, Add	133.30	
For 27mm Liner Thickness, Add	173.86	
33 01 30 79-0019 LF 13.5mm Lining 48" Pipe With Cured In-Place Pipe (CIPP)	221.99	
For Up To 75, Add	88.31	
For >75 To 150, Add	44.16	
For >500 To 1,000, Deduct	-5.12	
For >1,000 To 2,000, Deduct	-10.06	
For >2,000 To 5,000, Deduct	-15.35	
For >5,000, Deduct	-23.89	
For 15mm Liner Thickness, Add	20.91	
For 16.5mm Liner Thickness, Add	44.14	
For 18mm Liner Thickness, Add	66.55	
For 19.5mm Liner Thickness, Add	87.78	
For 21mm Liner Thickness, Add	109.20	
For 22.5mm Liner Thickness, Add	130.54	
For 24mm Liner Thickness, Add	152.34	
For 27mm Liner Thickness, Add	198.69	
33 01 30 79-0020 LF 15mm Lining 54" Pipe With Cured In-Place Pipe (CIPP)	275.84	
For Up To 75, Add	107.84	
For >75 To 150, Add	53.92	
For >500 To 1,000, Deduct	-6.33	
For >1,000 To 2,000, Deduct	-12.45	
For >2,000 To 5,000, Deduct	-18.98	
For >5,000, Deduct	-29.61	
For 16.5mm Liner Thickness, Add	23.56	
For 18mm Liner Thickness, Add	47.30	
For 19.5mm Liner Thickness, Add	70.88	
For 21mm Liner Thickness, Add	94.62	
For 22.5mm Liner Thickness, Add	118.32	
For 24mm Liner Thickness, Add	142.11	
For 27mm Liner Thickness, Add	189.71	
33 01 30 79-0021 LF 18mm Lining 60" Pipe With Cured In-Place Pipe (CIPP)	369.08	
For Up To 75, Add	145.65	
For >75 To 150, Add	72.83	
For >500 To 1,000, Deduct	-8.49	
For >1,000 To 2,000, Deduct	-16.70	
For >2,000 To 5,000, Deduct	-25.46	
For >5,000, Deduct	-39.67	
For 19.5mm Liner Thickness, Add	26.17	
For 21mm Liner Thickness, Add	52.56	
For 22.5mm Liner Thickness, Add	78.86	
For 24mm Liner Thickness, Add	105.26	
For 27mm Liner Thickness, Add	158.13	
33 01 30 79-0022 LF 18mm Lining 66" Pipe With Cured In-Place Pipe (CIPP)	432.12	
For Up To 75, Add	199.32	
For >75 To 150, Add	99.66	
For >500 To 1,000, Deduct	-10.38	
For >1,000 To 2,000, Deduct	-20.32	
For >2,000 To 5,000, Deduct	-31.14	
For >5,000, Deduct	-47.55	
For 19.5mm Liner Thickness, Add	28.80	
For 21mm Liner Thickness, Add	57.83	
For 22.5mm Liner Thickness, Add	86.77	
For 24mm Liner Thickness, Add	115.81	
For 27mm Liner Thickness, Add	173.99	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 79-0023 LF 18mm Lining 72" Pipe With Cured In-Place Pipe (CIPP)	528.71	
For Up To 75, Add	303.32	
For >75 To 150, Add	151.66	
For >500 To 1,000, Deduct	-13.61	
For >1,000 To 2,000, Deduct	-26.47	
For >2,000 To 5,000, Deduct	-40.84	
For >5,000, Deduct	-60.47	
For 19.5mm Liner Thickness, Add	31.42	
For 21mm Liner Thickness, Add	63.10	
For 22.5mm Liner Thickness, Add	94.67	
For 24mm Liner Thickness, Add	126.36	
For 27mm Liner Thickness, Add	189.83	
33 01 30 79-0024 Form And Fold Polyethylene (PE) Pipeliner <small>(33 01 30 79-0001)</small>		
33 01 30 79-0025 LF 4" Diameter Form and Fold Polyethylene Pipeliner, DR 32.5	21.62	
For DR 26 Pipe Liner, Add	3.23	
For >500 To 1,000, Deduct	-0.65	
For >1,000 To 2,000, Deduct	-1.30	
For >2,000, Deduct	-2.61	
33 01 30 79-0026 LF 6" Diameter Form and Fold Polyethylene Pipeliner, DR 32.5	26.91	
For DR 26 Pipe Liner, Add	4.39	
For DR 35 Pipe Liner, Deduct	-2.20	
For >500 To 1,000, Deduct	-0.70	
For >1,000 To 2,000, Deduct	-1.40	
For >2,000, Deduct	-2.81	
33 01 30 79-0027 LF 8" Diameter Form and Fold Polyethylene Pipeliner, DR 32.5	28.01	
For DR 26 Pipe Liner, Add	4.47	
For DR 35 Pipe Liner, Deduct	-2.24	
For >500 To 1,000, Deduct	-0.76	
For >1,000 To 2,000, Deduct	-1.52	
For >2,000, Deduct	-3.04	
33 01 30 79-0028 LF 10" Diameter Form and Fold Polyethylene Pipeliner, DR 32.5	37.89	
For DR 26 Pipe Liner, Add	6.71	
For DR 35 Pipe Liner, Deduct	-3.35	
For DR 41 Pipe Liner, Deduct	-6.71	
For >500 To 1,000, Deduct	-0.83	
For >1,000 To 2,000, Deduct	-1.66	
For >2,000, Deduct	-3.32	
33 01 30 79-0029 LF 12" Diameter Form and Fold Polyethylene Pipeliner, DR 32.5	51.42	
For DR 26 Pipe Liner, Add	9.82	
For DR 35 Pipe Liner, Deduct	-4.91	
For DR 41 Pipe Liner, Deduct	-9.82	
For >500 To 1,000, Deduct	-0.91	
For >1,000 To 2,000, Deduct	-1.82	
For >2,000, Deduct	-3.65	
33 01 30 79-0030 LF 15" Diameter Form and Fold Polyethylene Pipeliner, DR 32.5	69.09	
For DR 35 Pipe Liner, Deduct	-6.91	
For DR 41 Pipe Liner, Deduct	-13.82	
For >500 To 1,000, Deduct	-1.04	
For >1,000 To 2,000, Deduct	-2.07	
For >2,000, Deduct	-4.14	
33 01 30 79-0031 LF 18" Diameter Form and Fold Polyethylene Pipeliner, DR 35	95.74	
For DR 41 Pipe Liner, Deduct	-8.02	
For DR 50 Pipe Liner, Deduct	-16.03	
For >500 To 1,000, Deduct	-1.17	
For >1,000 To 2,000, Deduct	-2.34	
For >2,000, Deduct	-4.68	
33 01 30 79-0032 LF 21" Diameter Form and Fold Polyethylene Pipeliner, DR 47	107.93	
For DR 50 Pipe Liner, Deduct	-13.66	
For DR 55 Pipe Liner, Deduct	-22.76	
For >500 To 1,000, Deduct	-1.27	
For >1,000 To 2,000, Deduct	-2.53	
For >2,000, Deduct	-5.07	
33 01 30 79-0033 LF 24" Diameter Form and Fold Polyethylene Pipeliner, DR 55	130.60	
For DR 60 Pipe Liner, Deduct	-16.83	
For >500 To 1,000, Deduct	-1.38	
For >1,000 To 2,000, Deduct	-2.76	
For >2,000, Deduct	-5.53	
33 01 30 79-0034 Form And Fold Polyvinyl Chloride (PVC) Pipeliner <small>(33 01 30 79-0001)</small>		
33 01 30 79-0035 LF 4" Diameter Form and Fold Polyvinyl Chloride (PVC) Pipeliner, DR 32.5	22.83	
For >500 To 1,000, Deduct	-0.65	
For >1,000 To 2,000, Deduct	-1.30	
For >2,000, Deduct	-2.61	
For DR 26 Pipe Liner, Add	3.54	
33 01 30 79-0036 LF 6" Diameter Form and Fold Polyvinyl Chloride (PVC) Pipeliner, DR 32.5	26.91	
For >500 To 1,000, Deduct	-0.70	
For >1,000 To 2,000, Deduct	-1.40	
For >2,000, Deduct	-2.81	
For DR 26 Pipe Liner, Add	4.39	
For DR 35 Pipe Liner, Deduct	-2.20	

33 Utilities**33 01 Operation And Maintenance Of Utilities****33 01 30 Operation And Maintenance Of Sewer Utilities**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 79-0037 LF 8" Diameter Form and Fold Polyvinyl Chloride (PVC) Pipeliner, DR 32.5.....	29.64	
For >500 To 1,000, Deduct	-0.76	
For >1,000 To 2,000, Deduct	-1.52	
For >2,000, Deduct	-3.04	
For DR 26 Pipe Liner, Add	4.88	
For DR 35 Pipe Liner, Deduct	-2.44	
33 01 30 79-0038 LF 10" Diameter Form and Fold Polyvinyl Chloride (PVC) Pipeliner, DR 32.5.....	40.32	
For >500 To 1,000, Deduct	-0.83	
For >1,000 To 2,000, Deduct	-1.66	
For >2,000, Deduct	-3.32	
For DR 26 Pipe Liner, Add	7.32	
For DR 35 Pipe Liner, Deduct	-3.66	
For DR 41 Pipe Liner, Deduct	-7.32	
33 01 30 79-0039 LF 12" Diameter Form and Fold Polyvinyl Chloride (PVC) Pipeliner, DR 32.5.....	55.08	
For >500 To 1,000, Deduct	-0.91	
For >1,000 To 2,000, Deduct	-1.82	
For >2,000, Deduct	-3.65	
For DR 26 Pipe Liner, Add	10.73	
For DR 35 Pipe Liner, Deduct	-5.37	
For DR 41 Pipe Liner, Deduct	-10.73	
33 01 30 79-0040 LF 15" Diameter Form and Fold Polyvinyl Chloride (PVC) Pipeliner, DR 32.5.....	74.29	
For >500 To 1,000, Deduct	-1.04	
For >1,000 To 2,000, Deduct	-2.07	
For >2,000, Deduct	-4.14	
For DR 35 Pipe Liner, Deduct	-7.56	
For DR 41 Pipe Liner, Deduct	-15.12	
33 01 30 79-0041 LF 18" Diameter Form and Fold Polyvinyl Chloride (PVC) Pipeliner, DR 35.....	103.38	
For >500 To 1,000, Deduct	-1.17	
For >1,000 To 2,000, Deduct	-2.34	
For >2,000, Deduct	-4.68	
For DR 41 Pipe Liner, Deduct	-8.78	
For DR 50 Pipe Liner, Deduct	-17.56	
33 01 30 79-0042 LF 21" Diameter Form and Fold Polyvinyl Chloride (PVC) Pipeliner, DR 47.....	116.39	
For >500 To 1,000, Deduct	-1.27	
For >1,000 To 2,000, Deduct	-2.53	
For >2,000, Deduct	-5.07	
For DR 50 Pipe Liner, Deduct	-14.93	
For DR 55 Pipe Liner, Deduct	-24.88	
33 01 30 79-0043 LF 24" Diameter Form and Fold Polyvinyl Chloride (PVC) Pipeliner, DR 55.....	141.33	
For >500 To 1,000, Deduct	-1.38	
For >1,000 To 2,000, Deduct	-2.76	
For >2,000, Deduct	-5.53	
For DR 60 Pipe Liner, Deduct	-18.44	
33 01 30 79-0044 Lining Pipe With Rib Loc (33 01 30 79-0001)		
33 01 30 79-0045 LF Lining 6" Pipe With Rib Loc.....	27.65	
For >500 To 1,000, Deduct	-0.74	
For >1,000 To 2,000, Deduct	-1.43	
For >2,000 To 5,000, Deduct	-2.22	
For >5,000, Deduct	-3.23	
33 01 30 79-0046 LF Lining 8" Pipe With Rib Loc.....	30.69	
For >500 To 1,000, Deduct	-0.82	
For >1,000 To 2,000, Deduct	-1.58	
For >2,000 To 5,000, Deduct	-2.45	
For >5,000, Deduct	-3.58	
33 01 30 79-0047 LF Lining 10" Pipe With Rib Loc.....	41.77	
For >500 To 1,000, Deduct	-1.06	
For >1,000 To 2,000, Deduct	-2.06	
For >2,000 To 5,000, Deduct	-3.17	
For >5,000, Deduct	-4.73	
33 01 30 79-0048 LF Lining 12" Pipe With Rib Loc.....	52.70	
For >500 To 1,000, Deduct	-1.30	
For >1,000 To 2,000, Deduct	-2.53	
For >2,000 To 5,000, Deduct	-3.89	
For >5,000, Deduct	-5.88	
33 01 30 79-0049 LF Lining 15" Pipe With Rib Loc.....	69.55	
For >500 To 1,000, Deduct	-1.67	
For >1,000 To 2,000, Deduct	-3.27	
For >2,000 To 5,000, Deduct	-5.00	
For >5,000, Deduct	-7.65	
33 01 30 79-0050 LF Lining 18" Pipe With Rib Loc.....	89.17	
For >500 To 1,000, Deduct	-2.10	
For >1,000 To 2,000, Deduct	-4.11	
For >2,000 To 5,000, Deduct	-6.29	
For >5,000, Deduct	-9.70	
33 01 30 79-0051 LF Lining 21" Pipe With Rib Loc.....	111.32	
For >500 To 1,000, Deduct	-2.56	
For >1,000 To 2,000, Deduct	-5.04	
For >2,000 To 5,000, Deduct	-7.69	
For >5,000, Deduct	-11.98	
33 01 30 79-0052 LF Lining 24" Pipe With Rib Loc.....	137.13	
For >500 To 1,000, Deduct	-3.11	
For >1,000 To 2,000, Deduct	-6.13	
For >2,000 To 5,000, Deduct	-9.33	
For >5,000, Deduct	-14.63	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 79-0053 LF Lining 27" Pipe With Rib Loc	163.83	
For >500 To 1,000, Deduct	-3.68	
For >1,000 To 2,000, Deduct	-7.26	
For >2,000 To 5,000, Deduct	-11.05	
For >5,000, Deduct	-17.40	
33 01 30 79-0054 LF Lining 30" Pipe With Rib Loc	193.99	
For >500 To 1,000, Deduct	-4.33	
For >1,000 To 2,000, Deduct	-8.55	
For >2,000 To 5,000, Deduct	-12.99	
For >5,000, Deduct	-20.52	
33 01 30 79-0055 LF Lining 36" Pipe With Rib Loc	246.54	
For >500 To 1,000, Deduct	-5.44	
For >1,000 To 2,000, Deduct	-10.75	
For >2,000 To 5,000, Deduct	-16.31	
For >5,000, Deduct	-25.92	
33 01 30 79-0056 LF Lining 42" Pipe With Rib Loc	306.39	
For >500 To 1,000, Deduct	-6.71	
For >1,000 To 2,000, Deduct	-13.27	
For >2,000 To 5,000, Deduct	-20.12	
For >5,000, Deduct	-32.09	
33 01 30 79-0057 LF Lining 48" Pipe With Rib Loc	374.62	
For >500 To 1,000, Deduct	-8.17	
For >1,000 To 2,000, Deduct	-16.17	
For >2,000 To 5,000, Deduct	-24.50	
For >5,000, Deduct	-39.15	
33 01 30 79-0058 LF Lining 54" Pipe With Rib Loc	443.14	
For >500 To 1,000, Deduct	-9.67	
For >1,000 To 2,000, Deduct	-19.14	
For >2,000 To 5,000, Deduct	-29.02	
For >5,000, Deduct	-46.34	
33 01 30 79-0059 LF Lining 60" Pipe With Rib Loc	524.99	
For >500 To 1,000, Deduct	-11.61	
For >1,000 To 2,000, Deduct	-22.93	
For >2,000 To 5,000, Deduct	-34.82	
For >5,000, Deduct	-55.26	
33 01 30 79-0060 LF Lining 66" Pipe With Rib Loc	629.38	
For >500 To 1,000, Deduct	-14.32	
For >1,000 To 2,000, Deduct	-28.21	
For >2,000 To 5,000, Deduct	-42.97	
For >5,000, Deduct	-67.28	
33 01 30 79-0061 LF Lining 72" Pipe With Rib Loc	773.43	
For >500 To 1,000, Deduct	-18.51	
For >1,000 To 2,000, Deduct	-36.26	
For >2,000 To 5,000, Deduct	-55.52	
For >5,000, Deduct	-84.94	
33 01 30 79-0062 Laterals; Cutting, Grouting And Reinstatement <small>(33 01 30 79-0001)</small>		
33 01 30 79-0063 Lateral Reinstatement/Reconnection <small>(33 01 30 79-0062)</small>		
33 01 30 79-0064 EA Cut Liner For Laterals, 4" (Robotic)	400.44	
33 01 30 79-0065 EA Cut Liner For Laterals, 6" (Robotic)	432.91	
33 01 30 79-0066 EA Cut Liner For Laterals, 8" (Robotic)	487.02	
33 01 30 79-0067 Grout Lateral Service <small>(33 01 30 79-0062)</small>		
33 01 30 79-0068 Grout Lateral Service - Bladder <small>(33 01 30 79-0067)</small>		
33 01 30 79-0069 EA Grout 4" Lateral Service - Bladder	451.69	
33 01 30 79-0070 EA Grout 6" Lateral Service - Bladder	514.92	
33 01 30 79-0071 EA Grout 8" Lateral Service - Bladder	578.15	
33 01 30 79-0072 Grout Lateral Service - Robotic Trowel Application <small>(33 01 30 79-0067)</small>		
33 01 30 79-0073 EA Grout 4" To 8" Lateral Service - Robotic Trowel Application	460.73	
33 01 30 79-0074 Lateral T-Liner <small>(33 01 30 79-0062)</small>		
Note: As manufactured by LMK.		
33 01 30 79-0075 EA 4" Lateral T-Liner	530.79	
33 01 30 79-0076 EA 6" Lateral T-Liner	588.71	
33 01 30 79-0077 EA 8" Lateral T-Liner	679.05	
33 01 30 79-0078 Lining Lateral Pipe <small>(33 01 30 79-0062)</small>		
33 01 30 79-0079 Lining Lateral Pipe <small>(33 01 30 79-0078)</small>		
33 01 30 79-0080 LF 6mm Lining 4" To 6" Lateral Pipe With Cured In-Place Pipe (CIPP)	33.40	
For 7.5mm, Add	4.01	
For 9 mm, Add	8.10	
33 01 30 79-0081 Lining Pipe, Spray Applied With Structural Polyurethane <small>(33 01 30 79-0001)</small>		
Note: Two part structural polyurethane.		

33 Utilities**33 01 Operation And Maintenance Of Utilities****33 01 30 Operation And Maintenance Of Sewer Utilities**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 79-0082 Mobilization And Setup For Spray Applied Structural Polyurethane Lining⁽³³⁾		
33 01 30 79-0083 EA Initial Set Up And Final Equipment Removal For Spray Applied Structural Polyurethane Lining.....	1,499.67	
33 01 30 79-0084 Lining Pipe, Spray Applied With 100 mil Structural Polyurethane^(33 01 30 79-0081)		
Note: Two part structural polyurethane.		
33 01 30 79-0085 LF 36" Diameter Pipe Lining, Spray Applied With 100 mil Structural Polyurethane	35.62	
For Up To 75, Add	7.93	
For >75 To 150, Add	3.56	
For >500 To 1,000, Deduct	-1.04	
For >1,000 To 2,000, Deduct	-1.99	
For >2,000 To 5,000, Deduct	-3.11	
For >5,000, Deduct	-4.37	
33 01 30 79-0086 LF 42" Diameter Pipe Lining, Spray Applied With 100 mil Structural Polyurethane	41.56	
For Up To 75, Add	9.26	
For >75 To 150, Add	4.16	
For >500 To 1,000, Deduct	-1.21	
For >1,000 To 2,000, Deduct	-2.32	
For >2,000 To 5,000, Deduct	-3.63	
For >5,000, Deduct	-5.10	
33 01 30 79-0087 LF 48" Diameter Pipe Lining, Spray Applied With 100 mil Structural Polyurethane	47.49	
For Up To 75, Add	10.58	
For >75 To 150, Add	4.75	
For >500 To 1,000, Deduct	-1.38	
For >1,000 To 2,000, Deduct	-2.65	
For >2,000 To 5,000, Deduct	-4.14	
For >5,000, Deduct	-5.83	
33 01 30 79-0088 LF 54" Diameter Pipe Lining, Spray Applied With 100 mil Structural Polyurethane	53.43	
For Up To 75, Add	11.90	
For >75 To 150, Add	5.34	
For >500 To 1,000, Deduct	-1.55	
For >1,000 To 2,000, Deduct	-2.99	
For >2,000 To 5,000, Deduct	-4.66	
For >5,000, Deduct	-6.56	
33 01 30 79-0089 LF 60" Diameter Pipe Lining, Spray Applied With 100 mil Structural Polyurethane	59.36	
For Up To 75, Add	13.22	
For >75 To 150, Add	5.94	
For >500 To 1,000, Deduct	-1.73	
For >1,000 To 2,000, Deduct	-3.32	
For >2,000 To 5,000, Deduct	-5.18	
For >5,000, Deduct	-7.28	
33 01 30 79-0090 LF 66" Diameter Pipe Lining, Spray Applied With 100 mil Structural Polyurethane	65.29	
For Up To 75, Add	14.54	
For >75 To 150, Add	6.53	
For >500 To 1,000, Deduct	-1.90	
For >1,000 To 2,000, Deduct	-3.65	
For >2,000 To 5,000, Deduct	-5.70	
For >5,000, Deduct	-8.01	
33 01 30 79-0091 LF 72" Diameter Pipe Lining, Spray Applied With 100 mil Structural Polyurethane	71.23	
For Up To 75, Add	15.86	
For >75 To 150, Add	7.12	
For >500 To 1,000, Deduct	-2.07	
For >1,000 To 2,000, Deduct	-3.98	
For >2,000 To 5,000, Deduct	-6.21	
For >5,000, Deduct	-8.74	
33 01 30 79-0092 LF 78" Diameter Pipe Lining, Spray Applied With 100 mil Structural Polyurethane	77.16	
For Up To 75, Add	17.18	
For >75 To 150, Add	7.72	
For >500 To 1,000, Deduct	-2.24	
For >1,000 To 2,000, Deduct	-4.31	
For >2,000 To 5,000, Deduct	-6.73	
For >5,000, Deduct	-9.47	
33 01 30 79-0093 LF 84" Diameter Pipe Lining, Spray Applied With 100 mil Structural Polyurethane	83.10	
For Up To 75, Add	18.51	
For >75 To 150, Add	8.31	
For >500 To 1,000, Deduct	-2.42	
For >1,000 To 2,000, Deduct	-4.64	
For >2,000 To 5,000, Deduct	-7.25	
For >5,000, Deduct	-10.20	
33 01 30 79-0094 LF 90" Diameter Pipe Lining, Spray Applied With 100 mil Structural Polyurethane	89.04	
For Up To 75, Add	19.83	
For >75 To 150, Add	8.90	
For >500 To 1,000, Deduct	-2.59	
For >1,000 To 2,000, Deduct	-4.98	
For >2,000 To 5,000, Deduct	-7.77	
For >5,000, Deduct	-10.93	
33 01 30 79-0095 LF 96" Diameter Pipe Lining, Spray Applied With 100 mil Structural Polyurethane	94.98	
For Up To 75, Add	21.15	
For >75 To 150, Add	9.50	
For >500 To 1,000, Deduct	-2.76	
For >1,000 To 2,000, Deduct	-5.31	
For >2,000 To 5,000, Deduct	-8.29	
For >5,000, Deduct	-11.66	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 79-0096 LF 102" Diameter Pipe Lining, Spray Applied With 100 mil Structural Polyurethane	100.92	
<i>For Up To 75, Add</i>	22.48	
<i>For >75 To 150, Add</i>	10.09	
<i>For >500 To 1,000, Deduct</i>	-2.94	
<i>For >1,000 To 2,000, Deduct</i>	-5.64	
<i>For >2,000 To 5,000, Deduct</i>	-8.81	
<i>For >5,000, Deduct</i>	-12.38	
33 01 30 79-0097 LF 108" Diameter Pipe Lining, Spray Applied With 100 mil Structural Polyurethane	106.85	
<i>For Up To 75, Add</i>	23.80	
<i>For >75 To 150, Add</i>	10.69	
<i>For >500 To 1,000, Deduct</i>	-3.11	
<i>For >1,000 To 2,000, Deduct</i>	-5.97	
<i>For >2,000 To 5,000, Deduct</i>	-9.32	
<i>For >5,000, Deduct</i>	-13.11	
33 01 30 79-0098 LF 114" Diameter Pipe Lining, Spray Applied With 100 mil Structural Polyurethane	112.79	
<i>For Up To 75, Add</i>	25.12	
<i>For >75 To 150, Add</i>	11.28	
<i>For >500 To 1,000, Deduct</i>	-3.28	
<i>For >1,000 To 2,000, Deduct</i>	-6.30	
<i>For >2,000 To 5,000, Deduct</i>	-9.84	
<i>For >5,000, Deduct</i>	-13.84	
33 01 30 79-0099 LF 120" Diameter Pipe Lining, Spray Applied With 100 mil Structural Polyurethane	118.72	
<i>For Up To 75, Add</i>	26.44	
<i>For >75 To 150, Add</i>	11.87	
<i>For >500 To 1,000, Deduct</i>	-3.45	
<i>For >1,000 To 2,000, Deduct</i>	-6.64	
<i>For >2,000 To 5,000, Deduct</i>	-10.36	
<i>For >5,000, Deduct</i>	-14.57	
33 01 30 79-0100 SF Structure Lining, Spray Applied With 100 mil Structural Polyurethane	3.78	
33 01 30 79-0101 Lining Pipe, Spray Applied With 150 mil Structural Polyurethane <small>(33 01 30 79-0081)</small>		
Note: Two part structural polyurethane.		
33 01 30 79-0102 LF 36" Diameter Pipe Lining, Spray Applied With 150 mil Structural Polyurethane	46.21	
<i>For Up To 75, Add</i>	10.09	
<i>For >75 To 150, Add</i>	4.62	
<i>For >500 To 1,000, Deduct</i>	-1.26	
<i>For >1,000 To 2,000, Deduct</i>	-2.44	
<i>For >2,000 To 5,000, Deduct</i>	-3.79	
<i>For >5,000, Deduct</i>	-5.47	
33 01 30 79-0103 LF 42" Diameter Pipe Lining, Spray Applied With 150 mil Structural Polyurethane	53.90	
<i>For Up To 75, Add</i>	11.77	
<i>For >75 To 150, Add</i>	5.39	
<i>For >500 To 1,000, Deduct</i>	-1.48	
<i>For >1,000 To 2,000, Deduct</i>	-2.85	
<i>For >2,000 To 5,000, Deduct</i>	-4.43	
<i>For >5,000, Deduct</i>	-6.38	
33 01 30 79-0104 LF 48" Diameter Pipe Lining, Spray Applied With 150 mil Structural Polyurethane	61.61	
<i>For Up To 75, Add</i>	13.46	
<i>For >75 To 150, Add</i>	6.16	
<i>For >500 To 1,000, Deduct</i>	-1.69	
<i>For >1,000 To 2,000, Deduct</i>	-3.26	
<i>For >2,000 To 5,000, Deduct</i>	-5.06	
<i>For >5,000, Deduct</i>	-7.30	
33 01 30 79-0105 LF 54" Diameter Pipe Lining, Spray Applied With 150 mil Structural Polyurethane	69.30	
<i>For Up To 75, Add</i>	15.14	
<i>For >75 To 150, Add</i>	6.93	
<i>For >500 To 1,000, Deduct</i>	-1.90	
<i>For >1,000 To 2,000, Deduct</i>	-3.67	
<i>For >2,000 To 5,000, Deduct</i>	-5.69	
<i>For >5,000, Deduct</i>	-8.21	
33 01 30 79-0106 LF 60" Diameter Pipe Lining, Spray Applied With 150 mil Structural Polyurethane	77.01	
<i>For Up To 75, Add</i>	16.82	
<i>For >75 To 150, Add</i>	7.70	
<i>For >500 To 1,000, Deduct</i>	-2.11	
<i>For >1,000 To 2,000, Deduct</i>	-4.07	
<i>For >2,000 To 5,000, Deduct</i>	-6.32	
<i>For >5,000, Deduct</i>	-9.12	
33 01 30 79-0107 LF 66" Diameter Pipe Lining, Spray Applied With 150 mil Structural Polyurethane	84.71	
<i>For Up To 75, Add</i>	18.50	
<i>For >75 To 150, Add</i>	8.47	
<i>For >500 To 1,000, Deduct</i>	-2.32	
<i>For >1,000 To 2,000, Deduct</i>	-4.48	
<i>For >2,000 To 5,000, Deduct</i>	-6.96	
<i>For >5,000, Deduct</i>	-10.03	
33 01 30 79-0108 LF 72" Diameter Pipe Lining, Spray Applied With 150 mil Structural Polyurethane	92.40	
<i>For Up To 75, Add</i>	20.18	
<i>For >75 To 150, Add</i>	9.24	
<i>For >500 To 1,000, Deduct</i>	-2.53	
<i>For >1,000 To 2,000, Deduct</i>	-4.89	
<i>For >2,000 To 5,000, Deduct</i>	-7.59	
<i>For >5,000, Deduct</i>	-10.94	

33 Utilities**33 01 Operation And Maintenance Of Utilities****33 01 30 Operation And Maintenance Of Sewer Utilities**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 79-0109 LF 78" Diameter Pipe Lining, Spray Applied With 150 mil Structural Polyurethane	100.10	
For Up To 75, Add	21.86	
For >75 To 150, Add	10.01	
For >500 To 1,000, Deduct	-2.74	
For >1,000 To 2,000, Deduct	-5.30	
For >2,000 To 5,000, Deduct	-8.22	
For >5,000, Deduct	-11.85	
33 01 30 79-0110 LF 84" Diameter Pipe Lining, Spray Applied With 150 mil Structural Polyurethane	107.82	
For Up To 75, Add	23.55	
For >75 To 150, Add	10.78	
For >500 To 1,000, Deduct	-2.95	
For >1,000 To 2,000, Deduct	-5.70	
For >2,000 To 5,000, Deduct	-8.85	
For >5,000, Deduct	-12.77	
33 01 30 79-0111 LF 90" Diameter Pipe Lining, Spray Applied With 150 mil Structural Polyurethane	115.50	
For Up To 75, Add	25.23	
For >75 To 150, Add	11.55	
For >500 To 1,000, Deduct	-3.16	
For >1,000 To 2,000, Deduct	-6.11	
For >2,000 To 5,000, Deduct	-9.48	
For >5,000, Deduct	-13.68	
33 01 30 79-0112 LF 96" Diameter Pipe Lining, Spray Applied With 150 mil Structural Polyurethane	123.21	
For Up To 75, Add	26.91	
For >75 To 150, Add	12.32	
For >500 To 1,000, Deduct	-3.37	
For >1,000 To 2,000, Deduct	-6.52	
For >2,000 To 5,000, Deduct	-10.12	
For >5,000, Deduct	-14.59	
33 01 30 79-0113 LF 102" Diameter Pipe Lining, Spray Applied With 150 mil Structural Polyurethane	130.92	
For Up To 75, Add	28.60	
For >75 To 150, Add	13.09	
For >500 To 1,000, Deduct	-3.58	
For >1,000 To 2,000, Deduct	-6.93	
For >2,000 To 5,000, Deduct	-10.75	
For >5,000, Deduct	-15.50	
33 01 30 79-0114 LF 108" Diameter Pipe Lining, Spray Applied With 150 mil Structural Polyurethane	138.61	
For Up To 75, Add	30.28	
For >75 To 150, Add	13.86	
For >500 To 1,000, Deduct	-3.79	
For >1,000 To 2,000, Deduct	-7.33	
For >2,000 To 5,000, Deduct	-11.38	
For >5,000, Deduct	-16.42	
33 01 30 79-0115 LF 114" Diameter Pipe Lining, Spray Applied With 150 mil Structural Polyurethane	146.31	
For Up To 75, Add	31.96	
For >75 To 150, Add	14.63	
For >500 To 1,000, Deduct	-4.00	
For >1,000 To 2,000, Deduct	-7.74	
For >2,000 To 5,000, Deduct	-12.01	
For >5,000, Deduct	-17.33	
33 01 30 79-0116 LF 120" Diameter Pipe Lining, Spray Applied With 150 mil Structural Polyurethane	154.01	
For Up To 75, Add	33.64	
For >75 To 150, Add	15.40	
For >500 To 1,000, Deduct	-4.22	
For >1,000 To 2,000, Deduct	-8.15	
For >2,000 To 5,000, Deduct	-12.65	
For >5,000, Deduct	-18.24	
33 01 30 79-0117 SF Structure Lining, Spray Applied With 150 mil Structural Polyurethane.....	4.90	
33 01 30 79-0118 Lining Pipe, Spray Applied With 200 mil Structural Polyurethane (33 01 30 79-0081)		
Note: Two part structural polyurethane.		
33 01 30 79-0119 LF 36" Diameter Pipe Lining, Spray Applied With 200 mil Structural Polyurethane	56.80	
For Up To 75, Add	12.26	
For >75 To 150, Add	5.68	
For >500 To 1,000, Deduct	-1.49	
For >1,000 To 2,000, Deduct	-2.90	
For >2,000 To 5,000, Deduct	-4.48	
For >5,000, Deduct	-6.58	
33 01 30 79-0120 LF 42" Diameter Pipe Lining, Spray Applied With 200 mil Structural Polyurethane	66.27	
For Up To 75, Add	14.30	
For >75 To 150, Add	6.63	
For >500 To 1,000, Deduct	-1.74	
For >1,000 To 2,000, Deduct	-3.38	
For >2,000 To 5,000, Deduct	-5.23	
For >5,000, Deduct	-7.67	
33 01 30 79-0121 LF 48" Diameter Pipe Lining, Spray Applied With 200 mil Structural Polyurethane	75.73	
For Up To 75, Add	16.34	
For >75 To 150, Add	7.57	
For >500 To 1,000, Deduct	-1.99	
For >1,000 To 2,000, Deduct	-3.87	
For >2,000 To 5,000, Deduct	-5.98	
For >5,000, Deduct	-8.77	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 79-0122 LF 54" Diameter Pipe Lining, Spray Applied With 200 mil Structural Polyurethane	85.21	
<i>For Up To 75, Add</i>	18.39	
<i>For >75 To 150, Add</i>	8.52	
<i>For >500 To 1,000, Deduct</i>	-2.24	
<i>For >1,000 To 2,000, Deduct</i>	-4.35	
<i>For >2,000 To 5,000, Deduct</i>	-6.73	
<i>For >5,000, Deduct</i>	-9.87	
33 01 30 79-0123 LF 60" Diameter Pipe Lining, Spray Applied With 200 mil Structural Polyurethane	94.67	
<i>For Up To 75, Add</i>	20.43	
<i>For >75 To 150, Add</i>	9.47	
<i>For >500 To 1,000, Deduct</i>	-2.49	
<i>For >1,000 To 2,000, Deduct</i>	-4.83	
<i>For >2,000 To 5,000, Deduct</i>	-7.47	
<i>For >5,000, Deduct</i>	-10.96	
33 01 30 79-0124 LF 66" Diameter Pipe Lining, Spray Applied With 200 mil Structural Polyurethane	104.12	
<i>For Up To 75, Add</i>	22.47	
<i>For >75 To 150, Add</i>	10.41	
<i>For >500 To 1,000, Deduct</i>	-2.74	
<i>For >1,000 To 2,000, Deduct</i>	-5.31	
<i>For >2,000 To 5,000, Deduct</i>	-8.22	
<i>For >5,000, Deduct</i>	-12.05	
33 01 30 79-0125 LF 72" Diameter Pipe Lining, Spray Applied With 200 mil Structural Polyurethane	113.60	
<i>For Up To 75, Add</i>	24.51	
<i>For >75 To 150, Add</i>	11.36	
<i>For >500 To 1,000, Deduct</i>	-2.99	
<i>For >1,000 To 2,000, Deduct</i>	-5.80	
<i>For >2,000 To 5,000, Deduct</i>	-8.97	
<i>For >5,000, Deduct</i>	-13.15	
33 01 30 79-0126 LF 78" Diameter Pipe Lining, Spray Applied With 200 mil Structural Polyurethane	123.06	
<i>For Up To 75, Add</i>	26.55	
<i>For >75 To 150, Add</i>	12.31	
<i>For >500 To 1,000, Deduct</i>	-3.24	
<i>For >1,000 To 2,000, Deduct</i>	-6.28	
<i>For >2,000 To 5,000, Deduct</i>	-9.71	
<i>For >5,000, Deduct</i>	-14.25	
33 01 30 79-0127 LF 84" Diameter Pipe Lining, Spray Applied With 200 mil Structural Polyurethane	132.53	
<i>For Up To 75, Add</i>	28.60	
<i>For >75 To 150, Add</i>	13.25	
<i>For >500 To 1,000, Deduct</i>	-3.49	
<i>For >1,000 To 2,000, Deduct</i>	-6.76	
<i>For >2,000 To 5,000, Deduct</i>	-10.46	
<i>For >5,000, Deduct</i>	-15.34	
33 01 30 79-0128 LF 90" Diameter Pipe Lining, Spray Applied With 200 mil Structural Polyurethane	142.00	
<i>For Up To 75, Add</i>	30.64	
<i>For >75 To 150, Add</i>	14.20	
<i>For >500 To 1,000, Deduct</i>	-3.74	
<i>For >1,000 To 2,000, Deduct</i>	-7.25	
<i>For >2,000 To 5,000, Deduct</i>	-11.21	
<i>For >5,000, Deduct</i>	-16.44	
33 01 30 79-0129 LF 96" Diameter Pipe Lining, Spray Applied With 200 mil Structural Polyurethane	151.47	
<i>For Up To 75, Add</i>	32.68	
<i>For >75 To 150, Add</i>	15.15	
<i>For >500 To 1,000, Deduct</i>	-3.99	
<i>For >1,000 To 2,000, Deduct</i>	-7.73	
<i>For >2,000 To 5,000, Deduct</i>	-11.96	
<i>For >5,000, Deduct</i>	-17.54	
33 01 30 79-0130 LF 102" Diameter Pipe Lining, Spray Applied With 200 mil Structural Polyurethane	160.93	
<i>For Up To 75, Add</i>	34.73	
<i>For >75 To 150, Add</i>	16.09	
<i>For >500 To 1,000, Deduct</i>	-4.23	
<i>For >1,000 To 2,000, Deduct</i>	-8.21	
<i>For >2,000 To 5,000, Deduct</i>	-12.70	
<i>For >5,000, Deduct</i>	-18.63	
33 01 30 79-0131 LF 108" Diameter Pipe Lining, Spray Applied With 200 mil Structural Polyurethane	170.40	
<i>For Up To 75, Add</i>	36.77	
<i>For >75 To 150, Add</i>	17.04	
<i>For >500 To 1,000, Deduct</i>	-4.48	
<i>For >1,000 To 2,000, Deduct</i>	-8.70	
<i>For >2,000 To 5,000, Deduct</i>	-13.45	
<i>For >5,000, Deduct</i>	-19.73	
33 01 30 79-0132 LF 114" Diameter Pipe Lining, Spray Applied With 200 mil Structural Polyurethane	179.87	
<i>For Up To 75, Add</i>	38.81	
<i>For >75 To 150, Add</i>	17.99	
<i>For >500 To 1,000, Deduct</i>	-4.73	
<i>For >1,000 To 2,000, Deduct</i>	-9.18	
<i>For >2,000 To 5,000, Deduct</i>	-14.20	
<i>For >5,000, Deduct</i>	-20.83	
33 01 30 79-0133 LF 120" Diameter Pipe Lining, Spray Applied With 200 mil Structural Polyurethane	189.34	
<i>For Up To 75, Add</i>	40.86	
<i>For >75 To 150, Add</i>	18.93	
<i>For >500 To 1,000, Deduct</i>	-4.98	
<i>For >1,000 To 2,000, Deduct</i>	-9.66	
<i>For >2,000 To 5,000, Deduct</i>	-14.95	
<i>For >5,000, Deduct</i>	-21.92	
33 01 30 79-0134 SF Structure Lining, Spray Applied With 200 mil Structural Polyurethane	6.03	

33 Utilities**33 01 Operation And Maintenance Of Utilities****33 01 30 Operation And Maintenance Of Sewer Utilities**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 79-0135 Lining Pipe, Spray Applied With 250 mil Structural Polyurethane (33 01 30 79-0081) Note: Two part structural polyurethane.		
33 01 30 79-0136 LF 36" Diameter Pipe Lining, Spray Applied With 250 mil Structural Polyurethane	67.47	
For Up To 75, Add	14.44	
For >75 To 150, Add	6.75	
For >500 To 1,000, Deduct	-1.73	
For >1,000 To 2,000, Deduct	-3.36	
For >2,000 To 5,000, Deduct	-5.18	
For >5,000, Deduct	-7.69	
33 01 30 79-0137 LF 42" Diameter Pipe Lining, Spray Applied With 250 mil Structural Polyurethane	78.72	
For Up To 75, Add	16.85	
For >75 To 150, Add	7.87	
For >500 To 1,000, Deduct	-2.01	
For >1,000 To 2,000, Deduct	-3.92	
For >2,000 To 5,000, Deduct	-6.04	
For >5,000, Deduct	-8.97	
33 01 30 79-0138 LF 48" Diameter Pipe Lining, Spray Applied With 250 mil Structural Polyurethane	89.96	
For Up To 75, Add	19.25	
For >75 To 150, Add	9.00	
For >500 To 1,000, Deduct	-2.30	
For >1,000 To 2,000, Deduct	-4.48	
For >2,000 To 5,000, Deduct	-6.91	
For >5,000, Deduct	-10.25	
33 01 30 79-0139 LF 54" Diameter Pipe Lining, Spray Applied With 250 mil Structural Polyurethane	101.19	
For Up To 75, Add	21.65	
For >75 To 150, Add	10.12	
For >500 To 1,000, Deduct	-2.59	
For >1,000 To 2,000, Deduct	-5.04	
For >2,000 To 5,000, Deduct	-7.77	
For >5,000, Deduct	-11.53	
33 01 30 79-0140 LF 60" Diameter Pipe Lining, Spray Applied With 250 mil Structural Polyurethane	112.44	
For Up To 75, Add	24.06	
For >75 To 150, Add	11.24	
For >500 To 1,000, Deduct	-2.88	
For >1,000 To 2,000, Deduct	-5.60	
For >2,000 To 5,000, Deduct	-8.63	
For >5,000, Deduct	-12.82	
33 01 30 79-0141 LF 66" Diameter Pipe Lining, Spray Applied With 250 mil Structural Polyurethane	123.68	
For Up To 75, Add	26.47	
For >75 To 150, Add	12.37	
For >500 To 1,000, Deduct	-3.17	
For >1,000 To 2,000, Deduct	-6.16	
For >2,000 To 5,000, Deduct	-9.50	
For >5,000, Deduct	-14.10	
33 01 30 79-0142 LF 72" Diameter Pipe Lining, Spray Applied With 250 mil Structural Polyurethane	134.92	
For Up To 75, Add	28.87	
For >75 To 150, Add	13.49	
For >500 To 1,000, Deduct	-3.45	
For >1,000 To 2,000, Deduct	-6.72	
For >2,000 To 5,000, Deduct	-10.36	
For >5,000, Deduct	-15.38	
33 01 30 79-0143 LF 78" Diameter Pipe Lining, Spray Applied With 250 mil Structural Polyurethane	146.17	
For Up To 75, Add	31.28	
For >75 To 150, Add	14.62	
For >500 To 1,000, Deduct	-3.74	
For >1,000 To 2,000, Deduct	-7.28	
For >2,000 To 5,000, Deduct	-11.22	
For >5,000, Deduct	-16.66	
33 01 30 79-0144 LF 84" Diameter Pipe Lining, Spray Applied With 250 mil Structural Polyurethane	157.41	
For Up To 75, Add	33.68	
For >75 To 150, Add	15.74	
For >500 To 1,000, Deduct	-4.03	
For >1,000 To 2,000, Deduct	-7.84	
For >2,000 To 5,000, Deduct	-12.09	
For >5,000, Deduct	-17.94	
33 01 30 79-0145 LF 90" Diameter Pipe Lining, Spray Applied With 250 mil Structural Polyurethane	168.66	
For Up To 75, Add	36.09	
For >75 To 150, Add	16.87	
For >500 To 1,000, Deduct	-4.32	
For >1,000 To 2,000, Deduct	-8.40	
For >2,000 To 5,000, Deduct	-12.95	
For >5,000, Deduct	-19.22	
33 01 30 79-0146 LF 96" Diameter Pipe Lining, Spray Applied With 250 mil Structural Polyurethane	179.90	
For Up To 75, Add	38.50	
For >75 To 150, Add	17.99	
For >500 To 1,000, Deduct	-4.60	
For >1,000 To 2,000, Deduct	-8.96	
For >2,000 To 5,000, Deduct	-13.81	
For >5,000, Deduct	-20.51	
33 01 30 79-0147 LF 102" Diameter Pipe Lining, Spray Applied With 250 mil Structural Polyurethane	191.14	
For Up To 75, Add	40.90	
For >75 To 150, Add	19.11	
For >500 To 1,000, Deduct	-4.89	
For >1,000 To 2,000, Deduct	-9.52	
For >2,000 To 5,000, Deduct	-14.68	
For >5,000, Deduct	-21.79	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 79-0148 LF 108" Diameter Pipe Lining, Spray Applied With 250 mil Structural Polyurethane	202.39	
<i>For Up To 75, Add</i>	43.31	
<i>For >75 To 150, Add</i>	20.24	
<i>For >500 To 1,000, Deduct</i>	-5.18	
<i>For >1,000 To 2,000, Deduct</i>	-10.08	
<i>For >2,000 To 5,000, Deduct</i>	-15.54	
<i>For >5,000, Deduct</i>	-23.07	
33 01 30 79-0149 LF 114" Diameter Pipe Lining, Spray Applied With 250 mil Structural Polyurethane	213.64	
<i>For Up To 75, Add</i>	45.72	
<i>For >75 To 150, Add</i>	21.36	
<i>For >500 To 1,000, Deduct</i>	-5.47	
<i>For >1,000 To 2,000, Deduct</i>	-10.64	
<i>For >2,000 To 5,000, Deduct</i>	-16.40	
<i>For >5,000, Deduct</i>	-24.35	
33 01 30 79-0150 LF 120" Diameter Pipe Lining, Spray Applied With 250 mil Structural Polyurethane	224.89	
<i>For Up To 75, Add</i>	48.12	
<i>For >75 To 150, Add</i>	22.49	
<i>For >500 To 1,000, Deduct</i>	-5.76	
<i>For >1,000 To 2,000, Deduct</i>	-11.20	
<i>For >2,000 To 5,000, Deduct</i>	-17.27	
<i>For >5,000, Deduct</i>	-25.63	
33 01 30 79-0151 SF Structure Lining, Spray Applied With 250 mil Structural Polyurethane	7.16	
33 01 30 79-0152 Lining Pipe, Spray Applied With 300 mil Structural Polyurethane (33 01 30 79-0081)		
Note: Two part structural polyurethane.		
33 01 30 79-0153 LF 36" Diameter Pipe Lining, Spray Applied With 300 mil Structural Polyurethane	78.21	
<i>For Up To 75, Add</i>	16.64	
<i>For >75 To 150, Add</i>	7.82	
<i>For >500 To 1,000, Deduct</i>	-1.96	
<i>For >1,000 To 2,000, Deduct</i>	-3.82	
<i>For >2,000 To 5,000, Deduct</i>	-5.88	
<i>For >5,000, Deduct</i>	-8.81	
33 01 30 79-0154 LF 42" Diameter Pipe Lining, Spray Applied With 300 mil Structural Polyurethane	91.25	
<i>For Up To 75, Add</i>	19.41	
<i>For >75 To 150, Add</i>	9.13	
<i>For >500 To 1,000, Deduct</i>	-2.29	
<i>For >1,000 To 2,000, Deduct</i>	-4.46	
<i>For >2,000 To 5,000, Deduct</i>	-6.87	
<i>For >5,000, Deduct</i>	-10.28	
33 01 30 79-0155 LF 48" Diameter Pipe Lining, Spray Applied With 300 mil Structural Polyurethane	104.28	
<i>For Up To 75, Add</i>	22.18	
<i>For >75 To 150, Add</i>	10.43	
<i>For >500 To 1,000, Deduct</i>	-2.62	
<i>For >1,000 To 2,000, Deduct</i>	-5.10	
<i>For >2,000 To 5,000, Deduct</i>	-7.85	
<i>For >5,000, Deduct</i>	-11.75	
33 01 30 79-0156 LF 54" Diameter Pipe Lining, Spray Applied With 300 mil Structural Polyurethane	117.32	
<i>For Up To 75, Add</i>	24.95	
<i>For >75 To 150, Add</i>	11.73	
<i>For >500 To 1,000, Deduct</i>	-2.94	
<i>For >1,000 To 2,000, Deduct</i>	-5.74	
<i>For >2,000 To 5,000, Deduct</i>	-8.83	
<i>For >5,000, Deduct</i>	-13.22	
33 01 30 79-0157 LF 60" Diameter Pipe Lining, Spray Applied With 300 mil Structural Polyurethane	130.35	
<i>For Up To 75, Add</i>	27.73	
<i>For >75 To 150, Add</i>	13.04	
<i>For >500 To 1,000, Deduct</i>	-3.27	
<i>For >1,000 To 2,000, Deduct</i>	-6.37	
<i>For >2,000 To 5,000, Deduct</i>	-9.81	
<i>For >5,000, Deduct</i>	-14.69	
33 01 30 79-0158 LF 66" Diameter Pipe Lining, Spray Applied With 300 mil Structural Polyurethane	143.39	
<i>For Up To 75, Add</i>	30.50	
<i>For >75 To 150, Add</i>	14.34	
<i>For >500 To 1,000, Deduct</i>	-3.60	
<i>For >1,000 To 2,000, Deduct</i>	-7.01	
<i>For >2,000 To 5,000, Deduct</i>	-10.79	
<i>For >5,000, Deduct</i>	-16.16	
33 01 30 79-0159 LF 72" Diameter Pipe Lining, Spray Applied With 300 mil Structural Polyurethane	156.42	
<i>For Up To 75, Add</i>	33.27	
<i>For >75 To 150, Add</i>	15.64	
<i>For >500 To 1,000, Deduct</i>	-3.92	
<i>For >1,000 To 2,000, Deduct</i>	-7.65	
<i>For >2,000 To 5,000, Deduct</i>	-11.77	
<i>For >5,000, Deduct</i>	-17.63	
33 01 30 79-0160 LF 78" Diameter Pipe Lining, Spray Applied With 300 mil Structural Polyurethane	169.46	
<i>For Up To 75, Add</i>	36.04	
<i>For >75 To 150, Add</i>	16.95	
<i>For >500 To 1,000, Deduct</i>	-4.25	
<i>For >1,000 To 2,000, Deduct</i>	-8.28	
<i>For >2,000 To 5,000, Deduct</i>	-12.75	
<i>For >5,000, Deduct</i>	-19.10	

33 Utilities**33 01 Operation And Maintenance Of Utilities****33 01 30 Operation And Maintenance Of Sewer Utilities**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 79-0161 LF 84" Diameter Pipe Lining, Spray Applied With 300 mil Structural Polyurethane	182.50	
For Up To 75, Add	38.82	
For >75 To 150, Add	18.25	
For >500 To 1,000, Deduct	-4.58	
For >1,000 To 2,000, Deduct	-8.92	
For >2,000 To 5,000, Deduct	-13.73	
For >5,000, Deduct	-20.57	
33 01 30 79-0162 LF 90" Diameter Pipe Lining, Spray Applied With 300 mil Structural Polyurethane	195.54	
For Up To 75, Add	41.59	
For >75 To 150, Add	19.55	
For >500 To 1,000, Deduct	-4.90	
For >1,000 To 2,000, Deduct	-9.56	
For >2,000 To 5,000, Deduct	-14.71	
For >5,000, Deduct	-22.04	
33 01 30 79-0163 LF 96" Diameter Pipe Lining, Spray Applied With 300 mil Structural Polyurethane	208.57	
For Up To 75, Add	44.36	
For >75 To 150, Add	20.86	
For >500 To 1,000, Deduct	-5.23	
For >1,000 To 2,000, Deduct	-10.20	
For >2,000 To 5,000, Deduct	-15.69	
For >5,000, Deduct	-23.51	
33 01 30 79-0164 LF 102" Diameter Pipe Lining, Spray Applied With 300 mil Structural Polyurethane	221.61	
For Up To 75, Add	47.14	
For >75 To 150, Add	22.16	
For >500 To 1,000, Deduct	-5.56	
For >1,000 To 2,000, Deduct	-10.83	
For >2,000 To 5,000, Deduct	-16.67	
For >5,000, Deduct	-24.98	
33 01 30 79-0165 LF 108" Diameter Pipe Lining, Spray Applied With 300 mil Structural Polyurethane	234.64	
For Up To 75, Add	49.91	
For >75 To 150, Add	23.46	
For >500 To 1,000, Deduct	-5.88	
For >1,000 To 2,000, Deduct	-11.47	
For >2,000 To 5,000, Deduct	-17.65	
For >5,000, Deduct	-26.44	
33 01 30 79-0166 LF 114" Diameter Pipe Lining, Spray Applied With 300 mil Structural Polyurethane	247.68	
For Up To 75, Add	52.68	
For >75 To 150, Add	24.77	
For >500 To 1,000, Deduct	-6.21	
For >1,000 To 2,000, Deduct	-12.11	
For >2,000 To 5,000, Deduct	-18.63	
For >5,000, Deduct	-27.91	
33 01 30 79-0167 LF 120" Diameter Pipe Lining, Spray Applied With 300 mil Structural Polyurethane	260.72	
For Up To 75, Add	55.45	
For >75 To 150, Add	26.07	
For >500 To 1,000, Deduct	-6.54	
For >1,000 To 2,000, Deduct	-12.75	
For >2,000 To 5,000, Deduct	-19.62	
For >5,000, Deduct	-29.38	
33 01 30 79-0168 SF Structure Lining, Spray Applied With 300 mil Structural Polyurethane.....	8.30	
33 01 30 79-0169 Lining Pipe, Spray Applied With 400 mil Structural Polyurethane (33 01 30 79-0081)		
Note: Two part structural polyurethane.		
33 01 30 79-0170 LF 36" Diameter Pipe Lining, Spray Applied With 400 mil Structural Polyurethane	99.82	
For Up To 75, Add	21.07	
For >75 To 150, Add	9.98	
For >500 To 1,000, Deduct	-2.44	
For >1,000 To 2,000, Deduct	-4.77	
For >2,000 To 5,000, Deduct	-7.31	
For >5,000, Deduct	-11.09	
33 01 30 79-0171 LF 42" Diameter Pipe Lining, Spray Applied With 400 mil Structural Polyurethane	116.46	
For Up To 75, Add	24.58	
For >75 To 150, Add	11.65	
For >500 To 1,000, Deduct	-2.84	
For >1,000 To 2,000, Deduct	-5.56	
For >2,000 To 5,000, Deduct	-8.53	
For >5,000, Deduct	-12.93	
33 01 30 79-0172 LF 48" Diameter Pipe Lining, Spray Applied With 400 mil Structural Polyurethane	133.09	
For Up To 75, Add	28.09	
For >75 To 150, Add	13.31	
For >500 To 1,000, Deduct	-3.25	
For >1,000 To 2,000, Deduct	-6.35	
For >2,000 To 5,000, Deduct	-9.75	
For >5,000, Deduct	-14.78	
33 01 30 79-0173 LF 54" Diameter Pipe Lining, Spray Applied With 400 mil Structural Polyurethane	149.73	
For Up To 75, Add	31.60	
For >75 To 150, Add	14.97	
For >500 To 1,000, Deduct	-3.66	
For >1,000 To 2,000, Deduct	-7.15	
For >2,000 To 5,000, Deduct	-10.97	
For >5,000, Deduct	-16.63	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 79-0174 LF 60" Diameter Pipe Lining, Spray Applied With 400 mil Structural Polyurethane	166.37	
<i>For Up To 75, Add</i>	35.11	
<i>For >75 To 150, Add</i>	16.64	
<i>For >500 To 1,000, Deduct</i>	-4.06	
<i>For >1,000 To 2,000, Deduct</i>	-7.94	
<i>For >2,000 To 5,000, Deduct</i>	-12.19	
<i>For >5,000, Deduct</i>	-18.48	
33 01 30 79-0175 LF 66" Diameter Pipe Lining, Spray Applied With 400 mil Structural Polyurethane	183.01	
<i>For Up To 75, Add</i>	38.63	
<i>For >75 To 150, Add</i>	18.30	
<i>For >500 To 1,000, Deduct</i>	-4.47	
<i>For >1,000 To 2,000, Deduct</i>	-8.74	
<i>For >2,000 To 5,000, Deduct</i>	-13.41	
<i>For >5,000, Deduct</i>	-20.32	
33 01 30 79-0176 LF 72" Diameter Pipe Lining, Spray Applied With 400 mil Structural Polyurethane	199.65	
<i>For Up To 75, Add</i>	42.14	
<i>For >75 To 150, Add</i>	19.97	
<i>For >500 To 1,000, Deduct</i>	-4.88	
<i>For >1,000 To 2,000, Deduct</i>	-9.53	
<i>For >2,000 To 5,000, Deduct</i>	-14.63	
<i>For >5,000, Deduct</i>	-22.17	
33 01 30 79-0177 LF 78" Diameter Pipe Lining, Spray Applied With 400 mil Structural Polyurethane	216.29	
<i>For Up To 75, Add</i>	45.65	
<i>For >75 To 150, Add</i>	21.63	
<i>For >500 To 1,000, Deduct</i>	-5.28	
<i>For >1,000 To 2,000, Deduct</i>	-10.33	
<i>For >2,000 To 5,000, Deduct</i>	-15.85	
<i>For >5,000, Deduct</i>	-24.02	
33 01 30 79-0178 LF 84" Diameter Pipe Lining, Spray Applied With 400 mil Structural Polyurethane	232.92	
<i>For Up To 75, Add</i>	49.16	
<i>For >75 To 150, Add</i>	23.29	
<i>For >500 To 1,000, Deduct</i>	-5.69	
<i>For >1,000 To 2,000, Deduct</i>	-11.12	
<i>For >2,000 To 5,000, Deduct</i>	-17.06	
<i>For >5,000, Deduct</i>	-25.87	
33 01 30 79-0179 LF 90" Diameter Pipe Lining, Spray Applied With 400 mil Structural Polyurethane	249.56	
<i>For Up To 75, Add</i>	52.67	
<i>For >75 To 150, Add</i>	24.96	
<i>For >500 To 1,000, Deduct</i>	-6.09	
<i>For >1,000 To 2,000, Deduct</i>	-11.91	
<i>For >2,000 To 5,000, Deduct</i>	-18.28	
<i>For >5,000, Deduct</i>	-27.71	
33 01 30 79-0180 LF 96" Diameter Pipe Lining, Spray Applied With 400 mil Structural Polyurethane	266.18	
<i>For Up To 75, Add</i>	56.18	
<i>For >75 To 150, Add</i>	26.62	
<i>For >500 To 1,000, Deduct</i>	-6.50	
<i>For >1,000 To 2,000, Deduct</i>	-12.71	
<i>For >2,000 To 5,000, Deduct</i>	-19.50	
<i>For >5,000, Deduct</i>	-29.56	
33 01 30 79-0181 LF 102" Diameter Pipe Lining, Spray Applied With 400 mil Structural Polyurethane	282.83	
<i>For Up To 75, Add</i>	59.69	
<i>For >75 To 150, Add</i>	28.28	
<i>For >500 To 1,000, Deduct</i>	-6.91	
<i>For >1,000 To 2,000, Deduct</i>	-13.50	
<i>For >2,000 To 5,000, Deduct</i>	-20.72	
<i>For >5,000, Deduct</i>	-31.41	
33 01 30 79-0182 LF 108" Diameter Pipe Lining, Spray Applied With 400 mil Structural Polyurethane	299.47	
<i>For Up To 75, Add</i>	63.20	
<i>For >75 To 150, Add</i>	29.95	
<i>For >500 To 1,000, Deduct</i>	-7.31	
<i>For >1,000 To 2,000, Deduct</i>	-14.30	
<i>For >2,000 To 5,000, Deduct</i>	-21.94	
<i>For >5,000, Deduct</i>	-33.26	
33 01 30 79-0183 LF 114" Diameter Pipe Lining, Spray Applied With 400 mil Structural Polyurethane	316.11	
<i>For Up To 75, Add</i>	66.72	
<i>For >75 To 150, Add</i>	31.61	
<i>For >500 To 1,000, Deduct</i>	-7.72	
<i>For >1,000 To 2,000, Deduct</i>	-15.09	
<i>For >2,000 To 5,000, Deduct</i>	-23.16	
<i>For >5,000, Deduct</i>	-35.11	
33 01 30 79-0184 LF 120" Diameter Pipe Lining, Spray Applied With 400 mil Structural Polyurethane	332.74	
<i>For Up To 75, Add</i>	70.23	
<i>For >75 To 150, Add</i>	33.27	
<i>For >500 To 1,000, Deduct</i>	-8.13	
<i>For >1,000 To 2,000, Deduct</i>	-15.88	
<i>For >2,000 To 5,000, Deduct</i>	-24.38	
<i>For >5,000, Deduct</i>	-36.95	
33 01 30 79-0185 SF Structure Lining, Spray Applied With 400 mil Structural Polyurethane	10.59	

33 01 30 79-0186 Lining Pipe, Spray Applied With 500 mil Structural Polyurethane (33 01 30 79-0081)
 Note: Two part structural polyurethane.

33 Utilities**33 01 Operation And Maintenance Of Utilities****33 01 30 Operation And Maintenance Of Sewer Utilities**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 79-0187 LF 36" Diameter Pipe Lining, Spray Applied With 500 mil Structural Polyurethane	121.71	
For Up To 75, Add	25.57	
For >75 To 150, Add	12.17	
For >500 To 1,000, Deduct	-2.92	
For >1,000 To 2,000, Deduct	-5.73	
For >2,000 To 5,000, Deduct	-8.77	
For >5,000, Deduct	-13.40	
33 01 30 79-0188 LF 42" Diameter Pipe Lining, Spray Applied With 500 mil Structural Polyurethane	142.00	
For Up To 75, Add	29.83	
For >75 To 150, Add	14.20	
For >500 To 1,000, Deduct	-3.41	
For >1,000 To 2,000, Deduct	-6.68	
For >2,000 To 5,000, Deduct	-10.24	
For >5,000, Deduct	-15.63	
33 01 30 79-0189 LF 48" Diameter Pipe Lining, Spray Applied With 500 mil Structural Polyurethane	162.29	
For Up To 75, Add	34.09	
For >75 To 150, Add	16.23	
For >500 To 1,000, Deduct	-3.90	
For >1,000 To 2,000, Deduct	-7.64	
For >2,000 To 5,000, Deduct	-11.70	
For >5,000, Deduct	-17.86	
33 01 30 79-0190 LF 54" Diameter Pipe Lining, Spray Applied With 500 mil Structural Polyurethane	182.57	
For Up To 75, Add	38.35	
For >75 To 150, Add	18.26	
For >500 To 1,000, Deduct	-4.39	
For >1,000 To 2,000, Deduct	-8.59	
For >2,000 To 5,000, Deduct	-13.16	
For >5,000, Deduct	-20.10	
33 01 30 79-0191 LF 60" Diameter Pipe Lining, Spray Applied With 500 mil Structural Polyurethane	202.85	
For Up To 75, Add	42.61	
For >75 To 150, Add	20.29	
For >500 To 1,000, Deduct	-4.87	
For >1,000 To 2,000, Deduct	-9.54	
For >2,000 To 5,000, Deduct	-14.62	
For >5,000, Deduct	-22.33	
33 01 30 79-0192 LF 66" Diameter Pipe Lining, Spray Applied With 500 mil Structural Polyurethane	223.14	
For Up To 75, Add	46.88	
For >75 To 150, Add	22.31	
For >500 To 1,000, Deduct	-5.36	
For >1,000 To 2,000, Deduct	-10.50	
For >2,000 To 5,000, Deduct	-16.09	
For >5,000, Deduct	-24.56	
33 01 30 79-0193 LF 72" Diameter Pipe Lining, Spray Applied With 500 mil Structural Polyurethane	243.43	
For Up To 75, Add	51.14	
For >75 To 150, Add	24.34	
For >500 To 1,000, Deduct	-5.85	
For >1,000 To 2,000, Deduct	-11.45	
For >2,000 To 5,000, Deduct	-17.55	
For >5,000, Deduct	-26.80	
33 01 30 79-0194 LF 78" Diameter Pipe Lining, Spray Applied With 500 mil Structural Polyurethane	263.71	
For Up To 75, Add	55.40	
For >75 To 150, Add	26.37	
For >500 To 1,000, Deduct	-6.34	
For >1,000 To 2,000, Deduct	-12.41	
For >2,000 To 5,000, Deduct	-19.01	
For >5,000, Deduct	-29.03	
33 01 30 79-0195 LF 84" Diameter Pipe Lining, Spray Applied With 500 mil Structural Polyurethane	284.00	
For Up To 75, Add	59.66	
For >75 To 150, Add	28.40	
For >500 To 1,000, Deduct	-6.82	
For >1,000 To 2,000, Deduct	-13.36	
For >2,000 To 5,000, Deduct	-20.47	
For >5,000, Deduct	-31.26	
33 01 30 79-0196 LF 90" Diameter Pipe Lining, Spray Applied With 500 mil Structural Polyurethane	304.27	
For Up To 75, Add	63.92	
For >75 To 150, Add	30.43	
For >500 To 1,000, Deduct	-7.31	
For >1,000 To 2,000, Deduct	-14.32	
For >2,000 To 5,000, Deduct	-21.93	
For >5,000, Deduct	-33.49	
33 01 30 79-0197 LF 96" Diameter Pipe Lining, Spray Applied With 500 mil Structural Polyurethane	324.56	
For Up To 75, Add	68.18	
For >75 To 150, Add	32.46	
For >500 To 1,000, Deduct	-7.80	
For >1,000 To 2,000, Deduct	-15.27	
For >2,000 To 5,000, Deduct	-23.40	
For >5,000, Deduct	-35.73	
33 01 30 79-0198 LF 102" Diameter Pipe Lining, Spray Applied With 500 mil Structural Polyurethane	344.85	
For Up To 75, Add	72.44	
For >75 To 150, Add	34.49	
For >500 To 1,000, Deduct	-8.29	
For >1,000 To 2,000, Deduct	-16.23	
For >2,000 To 5,000, Deduct	-24.86	
For >5,000, Deduct	-37.96	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 79-0199 LF 108" Diameter Pipe Lining, Spray Applied With 500 mil Structural Polyurethane	365.14	
<i>For Up To 75, Add</i>	76.71	
<i>For >75 To 150, Add</i>	36.51	
<i>For >500 To 1,000, Deduct</i>	-8.77	
<i>For >1,000 To 2,000, Deduct</i>	-17.18	
<i>For >2,000 To 5,000, Deduct</i>	-26.32	
<i>For >5,000, Deduct</i>	-40.19	
33 01 30 79-0200 LF 114" Diameter Pipe Lining, Spray Applied With 500 mil Structural Polyurethane	385.43	
<i>For Up To 75, Add</i>	80.97	
<i>For >75 To 150, Add</i>	38.54	
<i>For >500 To 1,000, Deduct</i>	-9.26	
<i>For >1,000 To 2,000, Deduct</i>	-18.13	
<i>For >2,000 To 5,000, Deduct</i>	-27.78	
<i>For >5,000, Deduct</i>	-42.43	
33 01 30 79-0201 LF 120" Diameter Pipe Lining, Spray Applied With 500 mil Structural Polyurethane	405.72	
<i>For Up To 75, Add</i>	85.23	
<i>For >75 To 150, Add</i>	40.57	
<i>For >500 To 1,000, Deduct</i>	-9.75	
<i>For >1,000 To 2,000, Deduct</i>	-19.09	
<i>For >2,000 To 5,000, Deduct</i>	-29.25	
<i>For >5,000, Deduct</i>	-44.66	
33 01 30 79-0202 SF Structure Lining, Spray Applied With 500 mil Structural Polyurethane	12.91	
33 01 30 79-0203 Relining Underground Water Pipelines <small>(33 01 30 79)</small>		
Note: Excludes costs for CCTV inspection, pipe cleaning, pavement; temporary and permanent, emergency after hours response for homeowners backups.		
33 01 30 79-0204 Relining Underground Water Pipelines Set-Up And Reinsertion <small>(33 01 30 79-0203)</small>		
33 01 30 79-0205 EA Initial Set Up And Final Equipment Removal For Relining Underground Water Pipelines	4,052.68	
33 01 30 79-0206 EA Move And Reset Up At Different Access/Location.....	1,621.07	
33 01 30 79-0207 Lining Pipe With Cement <small>(33 01 30 79-0203)</small>		
33 01 30 79-0208 LF Up To 500', 4" Pipe, 1/8" Pipe Lining With Cement	55.97	
<i>For 3/16" Thickness, Add</i>	0.55	
<i>For 1/4" Thickness, Add</i>	1.09	
33 01 30 79-0209 LF >500' To 1,000', 4" Pipe, 1/8" Pipe Lining With Cement	49.77	
<i>For 3/16" Thickness, Add</i>	0.55	
<i>For 1/4" Thickness, Add</i>	1.09	
33 01 30 79-0210 LF >1,000' To 5,000', 4" Pipe, 1/8" Pipe Lining With Cement	41.48	
<i>For 3/16" Thickness, Add</i>	0.55	
<i>For 1/4" Thickness, Add</i>	1.09	
33 01 30 79-0211 LF >5,000', 4" Pipe, 1/8" Pipe Lining With Cement	31.05	
<i>For 3/16" Thickness, Add</i>	0.55	
<i>For 1/4" Thickness, Add</i>	1.09	
33 01 30 79-0212 LF Up To 500', 6" Pipe, 1/8" Pipe Lining With Cement	57.94	
<i>For 3/16" Thickness, Add</i>	0.82	
<i>For 1/4" Thickness, Add</i>	1.64	
33 01 30 79-0213 LF >500' To 1,000', 6" Pipe, 1/8" Pipe Lining With Cement	51.51	
<i>For 3/16" Thickness, Add</i>	0.82	
<i>For 1/4" Thickness, Add</i>	1.64	
33 01 30 79-0214 LF >1,000' To 5,000', 6" Pipe, 1/8" Pipe Lining With Cement	42.92	
<i>For 3/16" Thickness, Add</i>	0.82	
<i>For 1/4" Thickness, Add</i>	1.64	
33 01 30 79-0215 LF >5,000', 6" Pipe, 1/8" Pipe Lining With Cement	32.35	
<i>For 3/16" Thickness, Add</i>	0.82	
<i>For 1/4" Thickness, Add</i>	1.64	
33 01 30 79-0216 LF Up To 500', 8" Pipe, 1/8" Pipe Lining With Cement	59.82	
<i>For 3/16" Thickness, Add</i>	1.09	
<i>For 1/4" Thickness, Add</i>	2.18	
33 01 30 79-0217 LF >500' To 1,000', 8" Pipe, 1/8" Pipe Lining With Cement	53.24	
<i>For 3/16" Thickness, Add</i>	1.09	
<i>For 1/4" Thickness, Add</i>	2.18	
33 01 30 79-0218 LF >1,000' To 5,000', 8" Pipe, 1/8" Pipe Lining With Cement	44.36	
<i>For 3/16" Thickness, Add</i>	1.09	
<i>For 1/4" Thickness, Add</i>	2.18	
33 01 30 79-0219 LF >5,000', 8" Pipe, 1/8" Pipe Lining With Cement	33.65	
<i>For 3/16" Thickness, Add</i>	1.09	
<i>For 1/4" Thickness, Add</i>	2.18	
33 01 30 79-0220 LF Up To 500', 10" Pipe, 1/8" Pipe Lining With Cement	61.17	
<i>For 3/16" Thickness, Add</i>	1.37	
<i>For 1/4" Thickness, Add</i>	2.73	
33 01 30 79-0221 LF >500' To 1,000', 10" Pipe, 1/8" Pipe Lining With Cement	54.49	
<i>For 3/16" Thickness, Add</i>	1.37	
<i>For 1/4" Thickness, Add</i>	2.73	
33 01 30 79-0222 LF >1,000' To 5,000', 10" Pipe, 1/8" Pipe Lining With Cement	45.48	
<i>For 3/16" Thickness, Add</i>	1.37	
<i>For 1/4" Thickness, Add</i>	2.73	
33 01 30 79-0223 LF >5,000', 10" Pipe, 1/8" Pipe Lining With Cement	34.96	
<i>For 3/16" Thickness, Add</i>	1.37	
<i>For 1/4" Thickness, Add</i>	2.73	
33 01 30 79-0224 LF Up To 500', 12" Pipe, 1/8" Pipe Lining With Cement	65.93	
<i>For 3/16" Thickness, Add</i>	1.64	
<i>For 1/4" Thickness, Add</i>	3.27	

33 Utilities**33 01 Operation And Maintenance Of Utilities****33 01 30 Operation And Maintenance Of Sewer Utilities**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30	79-0225	LF	>500' To 1,000', 12" Pipe, 1/8" Pipe Lining With Cement	58.83	
			<i>For 3/16" Thickness, Add</i>	1.64	
			<i>For 1/4" Thickness, Add</i>	3.27	
33 01 30	79-0226	LF	>1,000' To 5,000', 12" Pipe, 1/8" Pipe Lining With Cement	49.25	
			<i>For 3/16" Thickness, Add</i>	1.64	
			<i>For 1/4" Thickness, Add</i>	3.27	
33 01 30	79-0227	LF	>5,000', 12" Pipe, 1/8" Pipe Lining With Cement	37.87	
			<i>For 3/16" Thickness, Add</i>	1.64	
			<i>For 1/4" Thickness, Add</i>	3.27	
33 01 30	79-0228	LF	Up To 500', >12" To 16" Pipe, 3/16" Pipe Lining With Cement	70.02	
			<i>For 1/4" Thickness, Add</i>	1.82	
			<i>For 5/16" Thickness, Add</i>	3.64	
33 01 30	79-0229	LF	>500' To 1,000', >12" To 16" Pipe, 3/16" Pipe Lining With Cement	62.65	
			<i>For 1/4" Thickness, Add</i>	1.82	
			<i>For 5/16" Thickness, Add</i>	3.64	
33 01 30	79-0230	LF	>1,000' To 5,000', >12" To 16" Pipe, 3/16" Pipe Lining With Cement	52.67	
			<i>For 1/4" Thickness, Add</i>	1.82	
			<i>For 5/16" Thickness, Add</i>	3.64	
33 01 30	79-0231	LF	>5,000', >12" To 16" Pipe, 3/16" Pipe Lining With Cement	41.77	
			<i>For 1/4" Thickness, Add</i>	1.82	
			<i>For 5/16" Thickness, Add</i>	3.64	
33 01 30	79-0232	LF	Up To 500', >16" To 20" Pipe, 3/16" Pipe Lining With Cement	73.00	
			<i>For 1/4" Thickness, Add</i>	2.18	
			<i>For 5/16" Thickness, Add</i>	4.37	
33 01 30	79-0233	LF	>500' To 1,000', >16" To 20" Pipe, 3/16" Pipe Lining With Cement	65.40	
			<i>For 1/4" Thickness, Add</i>	2.18	
			<i>For 5/16" Thickness, Add</i>	4.37	
33 01 30	79-0234	LF	>1,000' To 5,000', >16" To 20" Pipe, 3/16" Pipe Lining With Cement	55.09	
			<i>For 1/4" Thickness, Add</i>	2.18	
			<i>For 5/16" Thickness, Add</i>	4.37	
33 01 30	79-0235	LF	>5,000', >16" To 20" Pipe, 3/16" Pipe Lining With Cement	44.75	
			<i>For 1/4" Thickness, Add</i>	2.18	
			<i>For 5/16" Thickness, Add</i>	4.37	
33 01 30	79-0236	LF	Up To 500', >20" To 22" Pipe, 3/16" Pipe Lining With Cement	76.84	
			<i>For 1/4" Thickness, Add</i>	2.55	
			<i>For 5/16" Thickness, Add</i>	5.09	
33 01 30	79-0237	LF	>500' To 1,000', >20" To 22" Pipe, 3/16" Pipe Lining With Cement	68.98	
			<i>For 1/4" Thickness, Add</i>	2.55	
			<i>For 5/16" Thickness, Add</i>	5.09	
33 01 30	79-0238	LF	>1,000' To 5,000', >20" To 22" Pipe, 3/16" Pipe Lining With Cement	58.16	
			<i>For 1/4" Thickness, Add</i>	2.55	
			<i>For 5/16" Thickness, Add</i>	5.09	
33 01 30	79-0239	LF	>5,000', >20" To 22" Pipe, 3/16" Pipe Lining With Cement	48.49	
			<i>For 1/4" Thickness, Add</i>	2.55	
			<i>For 5/16" Thickness, Add</i>	5.09	
33 01 30	79-0240	LF	Up To 500', 24" Pipe, 3/16" Pipe Lining With Cement	80.78	
			<i>For 1/4" Thickness, Add</i>	2.91	
			<i>For 5/16" Thickness, Add</i>	5.83	
33 01 30	79-0241	LF	>500' To 1,000', 24" Pipe, 3/16" Pipe Lining With Cement	72.60	
			<i>For 1/4" Thickness, Add</i>	2.91	
			<i>For 5/16" Thickness, Add</i>	5.83	
33 01 30	79-0242	LF	>1,000' To 5,000', 24" Pipe, 3/16" Pipe Lining With Cement	61.45	
			<i>For 1/4" Thickness, Add</i>	2.91	
			<i>For 5/16" Thickness, Add</i>	5.83	
33 01 30	79-0243	LF	>5,000', 24" Pipe, 3/16" Pipe Lining With Cement	52.44	
			<i>For 1/4" Thickness, Add</i>	2.91	
			<i>For 5/16" Thickness, Add</i>	5.83	
33 01 30	79-0244	LF	Up To 500', 30" Pipe, 3/16" Pipe Lining With Cement	85.71	
			<i>For 1/4" Thickness, Add</i>	3.64	
			<i>For 5/16" Thickness, Add</i>	7.28	
33 01 30	79-0245	LF	>500' To 1,000', 30" Pipe, 3/16" Pipe Lining With Cement	77.05	
			<i>For 1/4" Thickness, Add</i>	3.64	
			<i>For 5/16" Thickness, Add</i>	7.28	
33 01 30	79-0246	LF	>1,000' To 5,000', 30" Pipe, 3/16" Pipe Lining With Cement	65.23	
			<i>For 1/4" Thickness, Add</i>	3.64	
			<i>For 5/16" Thickness, Add</i>	7.28	
33 01 30	79-0247	LF	>5,000', 30" Pipe, 3/16" Pipe Lining With Cement	56.13	
			<i>For 1/4" Thickness, Add</i>	3.64	
			<i>For 5/16" Thickness, Add</i>	7.28	
33 01 30	79-0248	LF	Up To 500', 36" Pipe, 3/16" Pipe Lining With Cement	90.56	
			<i>For 1/4" Thickness, Add</i>	4.37	
			<i>For 5/16" Thickness, Add</i>	8.74	
33 01 30	79-0249	LF	500' To 1,000', 36" Pipe, 3/16" Pipe Lining With Cement	81.52	
			<i>For 1/4" Thickness, Add</i>	4.37	
			<i>For 5/16" Thickness, Add</i>	8.74	
33 01 30	79-0250	LF	>1,000' To 5,000', 36" Pipe, 3/16" Pipe Lining With Cement	69.04	
			<i>For 1/4" Thickness, Add</i>	4.37	
			<i>For 5/16" Thickness, Add</i>	8.74	
33 01 30	79-0251	LF	>5,000', 36" Pipe, 3/16" Pipe Lining With Cement	59.84	
			<i>For 1/4" Thickness, Add</i>	4.37	
			<i>For 5/16" Thickness, Add</i>	8.74	
33 01 30	79-0252	LF	Up To 500', 42" Pipe, 1/4" Pipe Lining With Cement	107.58	
			<i>For 3/8" Thickness, Add</i>	11.47	
			<i>For 7/16" Thickness, Add</i>	17.20	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 79-0253 LF >500' To 1,000', 42" Pipe, 1/4" Pipe Lining With Cement	97.73	
For 3/8" Thickness, Add	11.47	
For 7/16" Thickness, Add	17.20	
33 01 30 79-0254 LF >1,000' To 5,000', 42" Pipe, 1/4" Pipe Lining With Cement	84.16	
For 3/8" Thickness, Add	11.47	
For 7/16" Thickness, Add	17.20	
33 01 30 79-0255 LF >5,000', 42" Pipe, 1/4" Pipe Lining With Cement	74.69	
For 3/8" Thickness, Add	11.47	
For 7/16" Thickness, Add	17.20	
33 01 30 79-0256 LF Up To 500', 48" Pipe, 1/4" Pipe Lining With Cement	117.96	
For 3/8" Thickness, Add	13.10	
For 7/16" Thickness, Add	19.65	
33 01 30 79-0257 LF >500' To 1,000', 48" Pipe, 1/4" Pipe Lining With Cement	107.43	
For 3/8" Thickness, Add	13.10	
For 7/16" Thickness, Add	19.65	
33 01 30 79-0258 LF >1,000' To 5,000', 48" Pipe, 1/4" Pipe Lining With Cement	92.84	
For 3/8" Thickness, Add	13.10	
For 7/16" Thickness, Add	19.65	
33 01 30 79-0259 LF >5,000', 48" Pipe, 1/4" Pipe Lining With Cement	83.17	
For 3/8" Thickness, Add	13.10	
For 7/16" Thickness, Add	19.65	
33 01 30 79-0260 LF Up To 500', 54" Pipe, 1/4" Pipe Lining With Cement	122.95	
For 3/8" Thickness, Add	14.74	
For 7/16" Thickness, Add	22.11	
33 01 30 79-0261 LF >500' To 1,000', 54" Pipe, 1/4" Pipe Lining With Cement	112.19	
For 3/8" Thickness, Add	14.74	
For 7/16" Thickness, Add	22.11	
33 01 30 79-0262 LF >1,000' To 5,000', 54" Pipe, 1/4" Pipe Lining With Cement	97.26	
For 3/8" Thickness, Add	14.74	
For 7/16" Thickness, Add	22.11	
33 01 30 79-0263 LF >5,000', 54" Pipe, 1/4" Pipe Lining With Cement	87.97	
For 3/8" Thickness, Add	14.74	
For 7/16" Thickness, Add	22.11	
33 01 30 79-0264 LF Up To 500', 60" Pipe, 1/4" Pipe Lining With Cement	127.93	
For 3/8" Thickness, Add	16.38	
For 7/16" Thickness, Add	24.57	
33 01 30 79-0265 LF >500' To 1,000', 60" Pipe, 1/4" Pipe Lining With Cement	116.98	
For 3/8" Thickness, Add	16.38	
For 7/16" Thickness, Add	24.57	
33 01 30 79-0266 LF >1,000' To 5,000', 60" Pipe, 1/4" Pipe Lining With Cement	101.77	
For 3/8" Thickness, Add	16.38	
For 7/16" Thickness, Add	24.57	
33 01 30 79-0267 LF >5,000', 60" Pipe, 1/4" Pipe Lining With Cement	92.76	
For 3/8" Thickness, Add	16.38	
For 7/16" Thickness, Add	24.57	
33 01 30 79-0268 LF Up To 500', 66" Pipe, 1/4" Pipe Lining With Cement	133.21	
For 3/8" Thickness, Add	18.02	
For 7/16" Thickness, Add	27.03	
33 01 30 79-0269 LF >500' To 1,000', 66" Pipe, 1/4" Pipe Lining With Cement	122.01	
For 3/8" Thickness, Add	18.02	
For 7/16" Thickness, Add	27.03	
33 01 30 79-0270 LF >1,000' To 5,000', 66" Pipe, 1/4" Pipe Lining With Cement	106.56	
For 3/8" Thickness, Add	18.02	
For 7/16" Thickness, Add	27.03	
33 01 30 79-0271 LF >5,000', 66" Pipe, 1/4" Pipe Lining With Cement	98.22	
For 3/8" Thickness, Add	18.02	
For 7/16" Thickness, Add	27.03	
33 01 30 79-0272 LF Up To 500', 72" Pipe, 1/4" Pipe Lining With Cement	138.84	
For 3/8" Thickness, Add	19.66	
For 7/16" Thickness, Add	29.48	
33 01 30 79-0273 LF >500' To 1,000', 72" Pipe, 1/4" Pipe Lining With Cement	127.47	
For 3/8" Thickness, Add	19.66	
For 7/16" Thickness, Add	29.48	
33 01 30 79-0274 LF >1,000' To 5,000', 72" Pipe, 1/4" Pipe Lining With Cement	111.63	
For 3/8" Thickness, Add	19.66	
For 7/16" Thickness, Add	29.48	
33 01 30 79-0275 LF >5,000', 72" Pipe, 1/4" Pipe Lining With Cement	103.77	
For 3/8" Thickness, Add	19.66	
For 7/16" Thickness, Add	29.48	

33 01 30 81 Manhole Rehabilitation (33 01 30)

33 01 30 81-0001 Restoration And Rehabilitation Of Manholes (33 01 30 81)
 Note: Work is in confined spaces.

33 01 30 81-0002 Inspection And Ventilation System Set-up (33 01 30 81-0001)

33 01 30 81-0003	EA Inspect Manhole	137.44
33 01 30 81-0004	EA 36" to 60" Diameter, Up To 2600', Installation And Maintenance Of Ventilation System	8,263.80
	Note: For internal inspection and repair of water mains.	
33 01 30 81-0005	EA >60" to 108" Diameter, Up To 2600', Installation And Maintenance Of Ventilation System	11,631.28
	Note: For internal inspection and repair of water mains	

33 01 30 81-0006 Manhole Seals (33 01 30 81-0001)

33 Utilities**33 01 Operation And Maintenance Of Utilities****33 01 30 Operation And Maintenance Of Sewer Utilities**

MINOR CSI UOM DESCRIPTION		TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 81-0007 Internal Manhole Chimney Seals (33 01 30 81-0006)			
Note: Cretex.			
33 01 30 81-0008	EA 20" Internal Manhole Chimney Seal.....	392.18	
33 01 30 81-0009	EA 22" Internal Manhole Chimney Seal.....	413.38	
33 01 30 81-0010	EA 24" Internal Manhole Chimney Seal.....	423.98	
33 01 30 81-0011	EA 26" Internal Manhole Chimney Seal.....	487.58	
33 01 30 81-0012	EA 28" Internal Manhole Chimney Seal.....	551.17	
33 01 30 81-0013	EA 30" Internal Manhole Chimney Seal.....	614.78	
33 01 30 81-0014	EA 36" Internal Manhole Chimney Seal.....	741.97	
33 01 30 81-0015 External Manhole Encapsulation (33 01 30 81-0006)			
Note: Wrapidseal.			
33 01 30 81-0016	EA 24" External Manhole Encapsulation	572.37	
33 01 30 81-0017	EA 30" External Manhole Encapsulation	604.18	
33 01 30 81-0018	EA 36" External Manhole Encapsulation	646.58	
33 01 30 81-0019	EA 42" External Manhole Encapsulation	699.58	
33 01 30 81-0020	EA 48" External Manhole Encapsulation	773.77	
33 01 30 81-0021	EA 54" External Manhole Encapsulation	858.57	
33 01 30 81-0022	EA 60" External Manhole Encapsulation	964.56	
33 01 30 81-0023 Manhole Crack Repair (33 01 30 81-0001)			
Note: Includes removing loose materials and cleaning.			
33 01 30 81-0024	LF Up To 1/4" Wide, Epoxy Grout Injection, Manhole Crack Repair	41.96	
33 01 30 81-0025	LF >1/4" To 1/2" Wide, Epoxy Grout Injection, Manhole Crack Repair	56.41	
33 01 30 81-0026	LF Up To 1/4" Wide, Urethane Grout Injection, Manhole Crack Repair	40.34	
33 01 30 81-0027	LF >1/4" To 1/2" Wide, Urethane Grout Injection, Manhole Crack Repair	54.46	
33 01 30 81-0028 Manhole Patching (33 01 30 81-0001)			
Note: Includes removing loose materials and cleaning.			
33 01 30 81-0029	SF Up To 1/4" Thick, Cementitious Grout, Manhole Patching.....	10.85	
33 01 30 81-0030	SF Up To 1/4" Thick, Epoxy Grout, Manhole Patching.....	26.90	
33 01 30 81-0031 Manhole Joint Restoration (33 01 30 81-0001)			
Note: Includes drilling holes at joints, fill joints with grout.			
33 01 30 81-0032	EA 3' Diameter Joint Restoration, Grout Fill Per Each Manhole	1,406.20	
Note: Includes two (2) joints sections to be grouted and two (2) pipe connections.			
For Grouting Each Additional Manhole Joint Section, Add		195.21	
33 01 30 81-0033	EA 3-1/2' Diameter Joint Restoration, Grout Fill Per Each Manhole.....	1,641.42	
Note: Includes two (2) joints sections to be grouted and two (2) pipe connections.			
For Grouting Each Additional Manhole Joint Section, Add		215.25	
33 01 30 81-0034	EA 4' Diameter Joint Restoration, Grout Fill Per Each Manhole	1,874.93	
Note: Includes two (2) joints sections to be grouted and two (2) pipe connections.			
For Grouting Each Additional Manhole Joint Section, Add		235.29	
33 01 30 81-0035	EA 5' Diameter Joint Restoration, Grout Fill Per Each Manhole.....	2,194.25	
Note: Includes two (2) joints sections to be grouted and two (2) pipe connections.			
For Grouting Each Additional Manhole Joint Section, Add		245.30	
33 01 30 81-0036	EA 6' Diameter Joint Restoration, Grout Fill Per Each Manhole	2,512.72	
Note: Includes two (2) joints sections to be grouted and two (2) pipe connections.			
For Grouting Each Additional Manhole Joint Section, Add		255.32	
33 01 30 81-0037 Step Installation In Existing Manholes (33 01 30 81-0001)			
Note: Including drilling in existing concrete manhole, step and grout. Demolition cost includes removal of old step and patching holes.			
33 01 30 81-0038	EA Drill And Grout 8" x 9" Cast Iron Manhole Steps.....	91.68	18.39
33 01 30 81-0039	EA Drill And Grout Galvanized Steel Manhole Step	79.02	18.39
33 01 30 81-0040	EA Bolt On Galvanized Steel Manhole Step.....	90.96	18.39
33 01 30 81-0041	EA Drill And Grout Aluminum Manhole Step	76.46	18.39
33 01 30 81-0042	EA Drill And Insert Polypropylene Manhole Step.....	49.39	14.71
33 01 30 81-0043 Manhole Penetration Sealing (33 01 30 81-0001)			
Note: At new pipe connection to manhole.			
33 01 30 81-0044	EA 6" To 12" Opening, Seal New Pipe Connection To Existing Manhole.....	326.27	
33 01 30 81-0045	EA >12" To 22" Opening, Seal New Pipe Connection To Existing Manhole.....	500.68	
33 01 30 81-0046	EA >22" To 36" Opening, Seal New Pipe Connection To Existing Manhole.....	682.62	
33 01 30 81-0047 Invert Restoration (33 01 30 81-0001)			
Note: Includes removal of existing defective material and installation of new material.			
33 01 30 81-0048 Concrete Invert Restoration (33 01 30 81-0047)			
33 01 30 81-0049	EA 2' Diameter, Concrete Invert Restoration.....	283.28	
33 01 30 81-0050	EA 3' Diameter, Concrete Invert Restoration.....	317.64	
33 01 30 81-0051	EA 4' Diameter, Concrete Invert Restoration.....	352.00	
33 01 30 81-0052	EA 5' Diameter, Concrete Invert Restoration.....	386.36	
33 01 30 81-0053	EA 6' Diameter, Concrete Invert Restoration.....	489.44	
33 01 30 81-0054	SF Square Or Rectangular, Concrete Invert Restoration	27.99	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 81-0055 Brick Invert Restoration <small>(33 01 30 81-0047)</small>		
33 01 30 81-0056 EA 2' Diameter, Brick Invert Restoration	423.38	
33 01 30 81-0057 EA 3' Diameter, Brick Invert Restoration	457.73	
33 01 30 81-0058 EA 4' Diameter, Brick Invert Restoration	492.09	
33 01 30 81-0059 EA 5' Diameter, Brick Invert Restoration	526.46	
33 01 30 81-0060 EA 6' Diameter, Brick Invert Restoration	560.82	
33 01 30 81-0061 SF Square Or Rectangular, Brick Invert Restoration.....	38.95	
 33 01 30 82 Lining For Concrete Manholes <small>(33 01 30)</small>		
33 01 30 82-0001 Manhole Lining <small>(33 01 30 82)</small>		
Note: Includes power washing and cleaning of manhole interiors.		
33 01 30 82-0002 Cementitious Manhole Restoration, Interior <small>(33 01 30 82-0001)</small>		
33 01 30 82-0003 VLF 1/2" Cementitious Restoration On 3' Diameter Manhole Interior.....	118.63	
For Each Additional 1/2" Thick Material, Add	30.63	
For 2 To 5 Manholes, Deduct	-8.31	
For 6 To 10 Manholes, Deduct	-13.66	
For >10 Manholes, Deduct	-27.31	
33 01 30 82-0004 VLF 1/2" Cementitious Restoration On 3-1/2' Diameter Manhole Interior	137.57	
For Each Additional 1/2" Thick Material, Add	35.65	
For 2 To 5 Manholes, Deduct	-9.63	
For 6 To 10 Manholes, Deduct	-15.83	
For >10 Manholes, Deduct	-31.66	
33 01 30 82-0005 VLF 1/2" Cementitious Restoration On 4' Diameter Manhole Interior.....	156.50	
For Each Additional 1/2" Thick Material, Add	40.67	
For 2 To 5 Manholes, Deduct	-10.96	
For 6 To 10 Manholes, Deduct	-18.00	
For >10 Manholes, Deduct	-36.00	
33 01 30 82-0006 VLF 1/2" Cementitious Restoration On 5' Diameter Manhole Interior.....	184.55	
For Each Additional 1/2" Thick Material, Add	49.89	
For 2 To 5 Manholes, Deduct	-12.86	
For 6 To 10 Manholes, Deduct	-21.10	
For >10 Manholes, Deduct	-42.21	
33 01 30 82-0007 VLF 1/2" Cementitious Restoration On 6' Diameter Manhole Interior.....	202.20	
For Each Additional 1/2" Thick Material, Add	57.76	
For 2 To 5 Manholes, Deduct	-13.99	
For 6 To 10 Manholes, Deduct	-22.93	
For >10 Manholes, Deduct	-45.86	
 33 01 30 82-0008 Polyurethane Manhole Restoration, Interior <small>(33 01 30 82-0001)</small>		
33 01 30 82-0009 VLF 60 Mil Polyurethane Restoration Of 3' Diameter Manhole Interior	236.01	
For 80 Mil Material, Add	20.44	
For 100 Mil Material, Add	40.88	
For 125 Mil Material, Add	62.20	
For 150 Mil Material, Add	83.52	
For 200 Mil Material, Add	114.90	
For 2 To 5 Manholes, Deduct	-17.44	
For 6 To 10 Manholes, Deduct	-28.97	
For >10 Manholes, Deduct	-57.94	
33 01 30 82-0010 VLF 60 Mil Polyurethane Restoration Of 3-1/2' Diameter Manhole Interior	287.86	
For 80 Mil Material, Add	24.79	
For 100 Mil Material, Add	49.57	
For 125 Mil Material, Add	75.39	
For 150 Mil Material, Add	101.20	
For 200 Mil Material, Add	139.06	
For 2 To 5 Manholes, Deduct	-21.28	
For 6 To 10 Manholes, Deduct	-35.36	
For >10 Manholes, Deduct	-70.73	
33 01 30 82-0011 VLF 60 Mil Polyurethane Restoration Of 4' Diameter Manhole Interior	314.68	
For 80 Mil Material, Add	27.25	
For 100 Mil Material, Add	54.51	
For 125 Mil Material, Add	82.94	
For 150 Mil Material, Add	111.37	
For 200 Mil Material, Add	153.21	
For 2 To 5 Manholes, Deduct	-23.25	
For 6 To 10 Manholes, Deduct	-38.63	
For >10 Manholes, Deduct	-77.26	
33 01 30 82-0012 VLF 60 Mil Polyurethane Restoration Of 5' Diameter Manhole Interior	393.34	
For 80 Mil Material, Add	34.07	
For 100 Mil Material, Add	68.13	
For 125 Mil Material, Add	103.67	
For 150 Mil Material, Add	139.21	
For 200 Mil Material, Add	191.50	
For 2 To 5 Manholes, Deduct	-29.06	
For 6 To 10 Manholes, Deduct	-48.28	
For >10 Manholes, Deduct	-96.57	

33 Utilities**33 01 Operation And Maintenance Of Utilities****33 01 30 Operation And Maintenance Of Sewer Utilities**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 82-0013 VLF 60 Mil Polyurethane Restoration Of 6' Diameter Manhole Interior	472.01	
For 80 Mil Material, Add	40.88	
For 100 Mil Material, Add	81.76	
For 125 Mil Material, Add	124.41	
For 150 Mil Material, Add	167.06	
For 200 Mil Material, Add	229.81	
For 2 To 5 Manholes, Deduct	-34.87	
For 6 To 10 Manholes, Deduct	-57.94	
For >10 Manholes, Deduct	-115.88	
33 01 30 82-0014 Epoxy Manhole Restoration, Interior <small>(33 01 30 82-0001)</small>		
33 01 30 82-0015 VLF 60 Mil Epoxy Restoration Of 3' Diameter Manhole Interior	256.12	
For 80 Mil Material, Add	27.14	
For 100 Mil Material, Add	54.28	
For 125 Mil Material, Add	83.99	
For 150 Mil Material, Add	113.69	
For 200 Mil Material, Add	161.82	
For 2 To 5 Manholes, Deduct	-18.44	
For 6 To 10 Manholes, Deduct	-30.48	
For >10 Manholes, Deduct	-60.96	
33 01 30 82-0016 VLF 60 Mil Epoxy Restoration Of 3-1/2' Diameter Manhole Interior	311.35	
For 80 Mil Material, Add	32.61	
For 100 Mil Material, Add	65.23	
For 125 Mil Material, Add	100.83	
For 150 Mil Material, Add	136.44	
For 200 Mil Material, Add	193.87	
For 2 To 5 Manholes, Deduct	-22.45	
For 6 To 10 Manholes, Deduct	-37.13	
For >10 Manholes, Deduct	-74.25	
33 01 30 82-0017 VLF 60 Mil Epoxy Restoration Of 4' Diameter Manhole Interior	341.48	
For 80 Mil Material, Add	36.19	
For 100 Mil Material, Add	72.37	
For 125 Mil Material, Add	111.97	
For 150 Mil Material, Add	151.57	
For 200 Mil Material, Add	215.74	
For 2 To 5 Manholes, Deduct	-24.59	
For 6 To 10 Manholes, Deduct	-40.64	
For >10 Manholes, Deduct	-81.28	
33 01 30 82-0018 VLF 60 Mil Epoxy Restoration Of 5' Diameter Manhole Interior	426.88	
For 80 Mil Material, Add	45.25	
For 100 Mil Material, Add	90.49	
For 125 Mil Material, Add	140.00	
For 150 Mil Material, Add	189.52	
For 200 Mil Material, Add	269.76	
For 2 To 5 Manholes, Deduct	-30.74	
For 6 To 10 Manholes, Deduct	-50.80	
For >10 Manholes, Deduct	-101.60	
33 01 30 82-0019 VLF 60 Mil Epoxy Restoration Of 6' Diameter Manhole Interior	512.25	
For 80 Mil Material, Add	54.29	
For 100 Mil Material, Add	108.59	
For 125 Mil Material, Add	168.00	
For 150 Mil Material, Add	227.42	
For 200 Mil Material, Add	323.70	
For 2 To 5 Manholes, Deduct	-36.88	
For 6 To 10 Manholes, Deduct	-60.96	
For >10 Manholes, Deduct	-121.92	
33 01 30 82-0020 Multiplexx™ PVCP Cured-In-Place (CIP) Lining Manhole Restoration, Interior <small>(33 01 30 82-0001)</small>		
33 01 30 82-0021 VLF 3' Diameter, Multiplexx™ PVCP Cured-In-Place (CIP) Manhole Liner For Existing Manhole	329.29	
For 2 To 5 Manholes, Deduct	-19.88	
For 6 To 10 Manholes, Deduct	-31.54	
For >10 Manholes, Deduct	-63.07	
33 01 30 82-0022 VLF 3-1/2' Diameter, Multiplexx™ PVCP Cured-In-Place (CIP) Manhole Liner For Existing Manhole	403.15	
For 2 To 5 Manholes, Deduct	-24.34	
For 6 To 10 Manholes, Deduct	-38.59	
For >10 Manholes, Deduct	-77.19	
33 01 30 82-0023 VLF 4' Diameter, Multiplexx™ PVCP Cured-In-Place (CIP) Manhole Liner For Existing Manhole	470.34	
For 2 To 5 Manholes, Deduct	-28.08	
For 6 To 10 Manholes, Deduct	-44.39	
For >10 Manholes, Deduct	-88.79	
33 01 30 82-0024 VLF 5' Diameter, Multiplexx™ PVCP Cured-In-Place (CIP) Manhole Liner For Existing Manhole	589.60	
For 2 To 5 Manholes, Deduct	-35.18	
For 6 To 10 Manholes, Deduct	-55.62	
For >10 Manholes, Deduct	-111.24	
33 01 30 82-0025 VLF 6' Diameter, Multiplexx™ PVCP Cured-In-Place (CIP) Manhole Liner For Existing Manhole	708.86	
For 2 To 5 Manholes, Deduct	-42.28	
For 6 To 10 Manholes, Deduct	-66.84	
For >10 Manholes, Deduct	-133.69	

33 01 30 86 Manhole Rim Adjustment (33 01 30)33 01 30 86-0001 Adjustable Or Solid, Cast Iron Or Steel, Manhole Cover Risers (33 01 30 86)



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 86-0002 Up To 6" Rise, Up To 26" Diameter, Adjustable Or Solid, Cast Iron Or Steel, Manhole Cover Risers <small>(33 01 30 86-0001)</small>		
33 01 30 86-0003 EA Up To 2" Rise, Up To 26" Diameter, Adjustable Or Solid, Cast Iron Or Steel, Manhole Cover Riser	259.45	
33 01 30 86-0004 EA >2" To 3" Rise, Up To 26" Diameter, Adjustable Or Solid, Cast Iron Or Steel, Manhole Cover Riser	290.63	
33 01 30 86-0005 EA >3" To 4" Rise, Up To 26" Diameter, Adjustable Or Solid, Cast Iron Or Steel, Manhole Cover Riser	319.15	
33 01 30 86-0006 EA >4" To 5" Rise, Up To 26" Diameter, Adjustable Or Solid, Cast Iron Or Steel, Manhole Cover Riser	351.39	
33 01 30 86-0007 EA >5" To 6" Rise, Up To 26" Diameter, Adjustable Or Solid, Cast Iron Or Steel, Manhole Cover Riser	377.97	
33 01 30 86-0008 Up To 6" Rise, >26" To 32-1/2" Diameter, Adjustable Or Solid, Cast Iron Or Steel, Manhole Cover Riser <small>(33 01 30 86-0001)</small>		
33 01 30 86-0009 EA Up To 2" Rise, >26" To 32-1/2" Diameter, Adjustable Or Solid, Cast Iron Or Steel, Manhole Cover Riser	301.48	
33 01 30 86-0010 EA >2 To 3" Rise, >26" To 32-1/2" Diameter, Adjustable Or Solid, Cast Iron Or Steel, Manhole Cover Riser	328.13	
33 01 30 86-0011 EA >3" To 4" Rise, >26" To 32-1/2" Diameter, Adjustable Or Solid, Cast Iron Or Steel, Manhole Cover Riser	361.35	
33 01 30 86-0012 EA >4" To 5" Rise, >26" To 32-1/2" Diameter, Adjustable Or Solid, Cast Iron Or Steel, Manhole Cover Riser	393.59	
33 01 30 86-0013 EA >5" To 6" Rise, >26" To 32-1/2" Diameter, Adjustable Or Solid, Cast Iron Or Steel, Manhole Cover Riser	424.83	
33 01 30 86-0014 >6" To 12" Rise, >32-1/2" To 36" Diameter, Solid, Cast Iron, Manhole Cover Risers <small>(33 01 30 86-0001)</small>		
33 01 30 86-0015 EA >6" To 6-1/2" Rise, >32-1/2" To 36", Solid, Cast Iron, Manhole Cover Riser	422.19	
33 01 30 86-0016 EA 7" Rise, >32-1/2" To 36", Solid, Cast Iron, Manhole Cover Riser	458.50	
33 01 30 86-0017 EA 7-1/2" Rise, >32-1/2" To 36", Solid, Cast Iron, Manhole Cover Riser	495.49	
33 01 30 86-0018 EA 8" Rise, >32-1/2" To 36", Solid, Cast Iron, Manhole Cover Riser	525.47	
33 01 30 86-0019 EA 9" Rise, >32-1/2" To 36", Solid, Cast Iron, Manhole Cover Riser	570.23	
33 01 30 86-0020 EA 10" Rise, >32-1/2" To 36", Solid, Cast Iron, Manhole Cover Riser	611.28	
33 01 30 86-0021 EA 11" Rise, >32-1/2" To 36", Solid, Cast Iron, Manhole Cover Riser	651.67	
33 01 30 86-0022 EA 12" Rise, >32-1/2" To 36", Solid, Cast Iron, Manhole Cover Riser	693.06	
33 01 30 86-0023 >12" Rise, Solid Manhole Risers <small>(33 01 30 86)</small>		
33 01 30 86-0024 Precast Concrete Manhole Riser <small>(33 01 30 86-0023)</small>		
33 01 30 86-0025 VLF Up To 26" Diameter Precast Concrete Manhole Riser	91.90	
33 01 30 86-0026 VLF >26" To 36" Diameter Precast Concrete Manhole Riser	109.64	
33 01 30 86-0027 VLF >36" To 48" Diameter Precast Concrete Manhole Riser	125.18	
33 01 30 86-0028 VLF >48" To 60" Diameter Precast Concrete Manhole Riser	251.80	
33 01 30 86-0029 VLF >60" To 72" Diameter Precast Concrete Manhole Riser	369.46	
33 01 34 Operation and Maintenance of Onsite Wastewater Disposal Systems <small>(33 01)</small>		
33 01 34 13 Septic Tank Solids Removal <small>(33 01 34)</small>		
33 01 34 13-0001 Pump Out Septic Tanks <small>(33 01 34 13)</small>		
33 01 34 13-0002 GAL Pump Out Septic Tank And Dispose	0.48	
33 05 Common Work Results For Utilities <small>(33)</small>		
33 05 07 Trenchless Installation of Utility Piping <small>(33 05)</small>		
33 05 07 13 Utility Directional Drilling <small>(33 05 07)</small>		
33 05 07 13-0001 Horizontal Augering <small>(33 05 07 13)</small>		
Note: Excludes starting or receiving pits, dewatering, cost of casing pipe or spoils removal.		
33 05 07 13-0002 LF Up To 2" Diameter Horizontal Hand Augering	21.33	
33 05 07 13-0003 LF 3" Diameter Horizontal Hand Augering	25.74	
33 05 07 13-0004 LF 4" Diameter Horizontal Hand Augering	35.30	
33 05 07 13-0005 LF 6" Diameter Horizontal Hand Augering	45.61	
33 05 07 13-0006 LF 8" Diameter Horizontal Augering	74.43	
33 05 07 13-0007 LF 10" Diameter Horizontal Augering	108.58	
33 05 07 13-0008 LF 12" Diameter Horizontal Augering	130.46	
33 05 07 13-0009 LF 16" Diameter Horizontal Augering	155.86	
33 05 07 13-0010 LF 20" Diameter Horizontal Augering	269.69	
33 05 07 13-0011 LF 24" Diameter Horizontal Augering	331.79	
33 05 07 13-0012 LF 30" Diameter Horizontal Augering	409.24	
33 05 07 13-0013 LF 36" Diameter Horizontal Augering	467.56	
33 05 07 13-0014 LF 42" Diameter Horizontal Augering	580.45	
33 05 07 13-0015 LF 48" Diameter Horizontal Augering	625.45	
33 05 07 13-0016 LF 54" Diameter Horizontal Augering	680.21	
33 05 07 13-0017 LF 60" Diameter Horizontal Augering	713.12	
33 05 07 13-0018 EA 8" To 36" Horizontal Augering Minimum Set-up Charge	1,529.86	
Note: For projects where the total boring charge is less than the minimum set-up charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.		
33 05 07 13-0019 EA >36" Horizontal Augering Minimum Set-up Charge	2,633.60	
Note: For projects where the total boring charge is less than the minimum set-up charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.		

33 Utilities**33 05 Common Work Results For Utilities****33 05 07 Trenchless Installation of Utility Piping**

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

33 05 07 13-0020**Horizontal Directional Boring** (33 05 07 13)

Note: Excludes receiving pits or dewatering or cost of casing pipe.

33 05 07 13-0021	LF	Up To 1-1/2" Diameter Directional Boring For Horizontal Pipe, Underground.....	10.35
33 05 07 13-0022	LF	2" Diameter Directional Boring For Horizontal Pipe, Underground	15.51
33 05 07 13-0023	LF	2-1/2" Diameter Directional Boring For Horizontal Pipe, Underground	21.55
33 05 07 13-0024	LF	3" Diameter Directional Boring For Horizontal Pipe, Underground	26.72
33 05 07 13-0025	LF	4" Diameter Directional Boring For Horizontal Pipe, Underground	31.89
33 05 07 13-0026	LF	5" Diameter Directional Boring For Horizontal Pipe, Underground	37.06
33 05 07 13-0027	LF	6" Diameter Directional Boring For Horizontal Pipe, Underground	43.09
33 05 07 13-0028	LF	8" Diameter Directional Boring For Horizontal Pipe, Underground	52.53
33 05 07 13-0029	LF	10" Diameter Directional Boring For Horizontal Pipe, Underground	56.92
33 05 07 13-0030	LF	12" Diameter Directional Boring For Horizontal Pipe, Underground	61.30
33 05 07 13-0031	LF	18" Diameter Directional Boring For Horizontal Pipe, Underground	70.05
33 05 07 13-0032	LF	24" Diameter Directional Boring For Horizontal Pipe, Underground	86.05
33 05 07 13-0033	LF	30" Diameter Directional Boring For Horizontal Pipe, Underground	95.61
33 05 07 13-0034	LF	36" Diameter Directional Boring For Horizontal Pipe, Underground	105.18
33 05 07 13-0035	EA	Boring Minimum Charge	2,294.77

Note: For projects where the total boring charge is less than the minimum charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.

33 05 07 23**Utility Boring and Jacking** (33 05 07)**33 05 07 23-0001****Horizontal Jacking** (33 05 07 23)

Note: Includes cost of steel casing pipe, excludes dewatering and excavation for jacking pit or receiving pit.

33 05 07 23-0002	LF	Up To 2" Diameter Horizontal Jacking.....	39.56
33 05 07 23-0003	LF	3" Diameter Horizontal Jacking.....	47.53
33 05 07 23-0004	LF	4" Diameter Horizontal Jacking.....	64.61
33 05 07 23-0005	LF	6" Diameter Horizontal Jacking.....	83.49
33 05 07 23-0006	LF	8" Diameter Horizontal Jacking.....	113.64
33 05 07 23-0007	LF	10" Diameter Horizontal Jacking.....	166.27
33 05 07 23-0008	LF	12" Diameter Horizontal Jacking.....	200.02
33 05 07 23-0009	LF	16" Diameter Horizontal Jacking.....	238.88
33 05 07 23-0010	LF	20" Diameter Horizontal Jacking.....	388.94
33 05 07 23-0011	LF	24" Diameter Horizontal Jacking.....	556.12
33 05 07 23-0012	LF	30" Diameter Horizontal Jacking.....	659.51
33 05 07 23-0013	LF	36" Diameter Horizontal Jacking.....	747.97
33 05 07 23-0014	LF	42" Diameter Horizontal Jacking.....	804.93
33 05 07 23-0015	LF	48" Diameter Horizontal Jacking.....	870.95
33 05 07 23-0016	LF	54" Diameter Horizontal Jacking.....	936.64
33 05 07 23-0017	EA	Up To 36" Horizontal Jacking Minimum Set-up Charge.....	1,755.73

Note: For projects where the total boring charge is less than the minimum set-up charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.

33 05 07 23-0018	EA	>36" Horizontal Jacking Minimum Set-up Charge.....	3,292.00
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Note: For projects where the total boring charge is less than the minimum set-up charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.

33 05 07 24**Casing Piping for Utility Jacking** (33 05 07)**33 05 07 24-0001****Casing Pipe** (33 05 07 24)

Note: Casing pipe is pulled back from hook on boring auger through slurry. Costs are installed costs. Excludes boring.

33 05 07 24-0002**Steel Pipe** (33 05 07 24-0001)

33 05 07 24-0003	LF	1-1/2" Steel Pipe Pull In Place By Boring Machine	8.53
		Note: Includes pipe welding.	
33 05 07 24-0004	LF	2" Steel Pipe Pull In Place By Boring Machine	9.07
		Note: Includes pipe welding.	
33 05 07 24-0005	LF	2-1/2" Steel Pipe Pull In Place By Boring Machine	9.75
		Note: Includes pipe welding.	
33 05 07 24-0006	LF	3" Steel Pipe Pull In Place By Boring Machine	10.45
		Note: Includes pipe welding.	
33 05 07 24-0007	LF	4" Steel Pipe Pull In Place By Boring Machine	12.98
		Note: Includes pipe welding.	
33 05 07 24-0008	LF	5" Steel Pipe Pull In Place By Boring Machine	14.56
		Note: Includes pipe welding.	
33 05 07 24-0009	LF	6" Steel Pipe Pull In Place By Boring Machine	16.15
		Note: Includes pipe welding.	

33 05 07 24-0010**Polyethylene Pipe** (33 05 07 24-0001)

33 05 07 24-0011	LF	3/4" Polyethylene Pipe Pull In Place By Boring Machine	3.42
		Note: Includes pipe welding.	
33 05 07 24-0012	LF	1" Polyethylene Pipe Pull In Place By Boring Machine	3.77
		Note: Includes pipe welding.	
33 05 07 24-0013	LF	1-1/4" Polyethylene Pipe Pull In Place By Boring Machine	4.09
		Note: Includes pipe welding.	
33 05 07 24-0014	LF	1-1/2" Polyethylene Pipe Pull In Place By Boring Machine	4.38
		Note: Includes pipe welding.	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 05 07 24-0015 LF 2" Polyethylene Pipe Pull In Place By Boring Machine Note: Includes pipe welding.	4.68	
33 05 07 24-0016 LF 2-1/2" Polyethylene Pipe Pull In Place By Boring Machine Note: Includes pipe welding.	4.98	
33 05 07 24-0017 LF 3" Polyethylene Pipe Pull In Place By Boring Machine Note: Includes pipe welding.	5.28	
33 05 07 24-0018 LF 4" Polyethylene Pipe Pull In Place By Boring Machine Note: Includes pipe welding.	6.30	
33 05 07 24-0019 LF 5" Polyethylene Pipe Pull In Place By Boring Machine Note: Includes pipe welding.	6.92	
33 05 07 24-0020 LF 6" Polyethylene Pipe Pull In Place By Boring Machine Note: Includes pipe welding.	7.55	
33 05 07 24-0021 LF 8" Polyethylene Pipe Pull In Place By Boring Machine Note: Includes pipe welding.	9.62	
33 05 07 24-0022 LF 10" Polyethylene Pipe Pull In Place By Boring Machine Note: Includes pipe welding.	12.83	

33 05 61 Concrete Manholes (33 05)

33 05 61 00-0001 Manholes (33 05 61)

33 05 61 00-0002 Cast In Place Concrete, 8" Thick (33 05 61 00-0001) Note: Includes base, wall, top and block-out for openings.

33 05 61 00-0003 48" Diameter (33 05 61 00-0002)

33 05 61 00-0004 EA 4' Diameter x 4' Deep Cast In Place Manhole 8" Thick.....	1,630.22	503.86
33 05 61 00-0005 EA 4' Diameter x 6' Deep Cast In Place Manhole 8" Thick.....	2,249.88	689.35
33 05 61 00-0006 EA 4' Diameter x 8' Deep Cast In Place Manhole 8" Thick.....	3,186.69	1,033.41
33 05 61 00-0007 VLF 4' Diameter x Vertical Linear Foot Depth Cast In Place Manhole 8" Thick, Over 8'.....	393.33	129.23

33 05 61 00-0008 Precast Concrete Manholes (33 05 61 00-0001)

Note: Includes base, riser(s), reducer and openings. See CSI section 33 05 84 00-0002 for top slabs.

33 05 61 00-0009 3' Diameter, 8" Thick Walls, Precast Concrete Manholes (33 05 61 00-0008)

33 05 61 00-0010 EA 4' Deep x 3' Diameter, 8" Thick Walls, Precast Concrete Manhole..... <i>For 6" Thick Wall, Deduct</i>	1,068.40 -82.99	238.47
33 05 61 00-0011 EA 6' Deep x 3' Diameter, 8" Thick Walls, Precast Concrete Manhole..... <i>For 6" Thick Wall, Deduct</i>	1,492.71 -116.66	326.13
33 05 61 00-0012 EA 8' Deep x 3' Diameter, 8" Thick Walls, Precast Concrete Manhole..... <i>For 6" Thick Wall, Deduct</i>	2,067.86 -157.87	489.19
33 05 61 00-0013 VLF Vertical Linear Foot Depth Over 8', x 3' Diameter, 8" Thick Walls, Precast Concrete Manhole..... <i>For 6" Thick Wall, Deduct</i>	254.60 -19.35	65.22

33 05 61 00-0014 3'-6" Diameter, 8" Thick Walls, Precast Concrete Manholes (33 05 61 00-0008)

33 05 61 00-0015 EA 4' Deep x 3'-6" Diameter, 8" Thick Walls, Precast Concrete Manhole..... <i>For 6" Thick Wall, Deduct</i>	1,205.54 -95.69	248.68
33 05 61 00-0016 EA 6' Deep x 3'-6" Diameter, 8" Thick Walls, Precast Concrete Manhole..... <i>For 6" Thick Wall, Deduct</i>	1,678.65 -133.87	339.99
33 05 61 00-0017 EA 8' Deep x 3'-6" Diameter, 8" Thick Walls, Precast Concrete Manhole..... <i>For 6" Thick Wall, Deduct</i>	2,308.27 -179.87	509.57
33 05 61 00-0018 VLF Vertical Linear Foot Depth Over 8', x 3'-6" Diameter, 8" Thick Walls, Precast Concrete Manhole..... <i>For 6" Thick Wall, Deduct</i>	283.05 -21.95	65.22

33 05 61 00-0019 4' Diameter, 8" Thick Walls, Precast Concrete Manholes (33 05 61 00-0008)

33 05 61 00-0020 EA 4' Deep x 4' Diameter, 8" Thick Walls, Precast Concrete Manhole..... <i>For 6" Thick Wall, Deduct</i>	1,346.98 -108.85	256.83
33 05 61 00-0021 EA 6' Deep x 4' Diameter, 8" Thick Walls, Precast Concrete Manhole..... <i>For 6" Thick Wall, Deduct</i>	1,868.65 -151.54	350.58
33 05 61 00-0022 EA 8' Deep x 4' Diameter, 8" Thick Walls, Precast Concrete Manhole..... <i>For 6" Thick Wall, Deduct</i>	2,554.06 -202.41	529.95
33 05 61 00-0023 VLF Vertical Linear Foot Depth Over 8', x 4' Diameter, 8" Thick Walls, Precast Concrete Manhole..... <i>For 6" Thick Wall, Deduct</i>	312.33 -24.61	67.26
33 05 61 00-0024 VLF Vertical Linear Foot Depth x 4' Diameter, 8" Thick Walls, Precast Manhole Polyvinyl Chloride (PVC) Lined Riser / Cone..... <i>For 6" Thick Wall, Deduct</i>	381.11 -31.49	67.26

33 05 61 00-0025 5' Diameter, 8" Thick Walls, Precast Concrete Manholes (33 05 61 00-0008)

33 05 61 00-0026 EA 4' Deep x 5' Diameter, 8" Thick Walls, Precast Concrete Manhole..... <i>For 6" Thick Wall, Deduct</i>	1,661.78 -137.56	285.36
33 05 61 00-0027 EA 6' Deep x 5' Diameter, 8" Thick Walls, Precast Concrete Manhole..... <i>For 6" Thick Wall, Deduct</i>	2,286.09 -189.53	391.35
33 05 61 00-0028 EA 8' Deep x 5' Diameter, 8" Thick Walls, Precast Concrete Manhole..... <i>For 6" Thick Wall, Deduct</i>	3,091.88 -250.57	587.03
33 05 61 00-0029 VLF Vertical Linear Foot Depth Over 8', x 5' Diameter, 8" Thick Walls, Precast Concrete Manhole..... <i>For 6" Thick Wall, Deduct</i>	375.84 -30.25	73.37
33 05 61 00-0030 VLF Vertical Linear Foot Depth x 5' Diameter, 8" Thick Walls, Precast Manhole Polyvinyl Chloride (PVC) Lined Riser / Cone..... <i>For 6" Thick Wall, Deduct</i>	450.17 -37.68	73.37

33 Utilities**33 05 Common Work Results For Utilities****33 05 61 Concrete Manholes**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 05 61 00-0031 6" Diameter, 8" Thick Walls, Precast Concrete Manholes (33 05 61 00-0008)		
33 05 61 00-0032 EA 4' Deep x 6' Diameter, 8" Thick Walls, Precast Concrete Manhole.....	2,005.07	317.97
33 05 61 00-0033 EA 6' Deep x 6' Diameter, 8" Thick Walls, Precast Concrete Manhole.....	2,736.46	432.12
33 05 61 00-0034 EA 8' Deep x 6' Diameter, 8" Thick Walls, Precast Concrete Manhole.....	3,671.02	652.25
33 05 61 00-0035 VLF Vertical Linear Foot Depth Over 8', x 6' Diameter, 8" Thick Walls, Precast Concrete Manhole.....	443.21	81.54
33 05 61 00-0036 VLF Vertical Linear Foot Depth x 6' Diameter, 8" Thick Walls, Precast Manhole Polyvinyl Chloride (PVC) Lined Riser / Cone.....	511.99	81.54
33 05 62 Brick Manholes (33 05)		
33 05 62 00-0001 Brick Manholes (33 05 62)		
33 05 62 00-0002 4' Inside Diameter x 8" Wall (2 Brick) (33 05 62 00-0001)		
33 05 62 00-0003 EA 4' Inside Diameter x 4' Deep Brick Manhole, 8" Wall.....	2,250.03	830.08
33 05 62 00-0004 EA 4' Inside Diameter x 6' Deep Brick Manhole, 8" Wall.....	3,292.66	1,222.49
33 05 62 00-0005 EA 4' Inside Diameter x 8' Deep Brick Manhole, 8" Wall.....	4,358.07	1,660.18
33 05 62 00-0006 VLF 4' Inside Diameter x Vertical Linear Foot Depth Brick Manhole, 8" Wall, Over 8'.....	564.47	207.52
33 05 63 Concrete Vaults and Chambers (33 05)		
33 05 63 00-0001 Underground Utility Vaults And Structures (33 05 63)		
See CSI section 33 05 61 00-0001 for manholes, 33 05 84 00-0087 for frames and covers.		
33 05 63 00-0002 Precast Concrete Underground Utility Vault (33 05 63 00-0001)		
Note: Sizes given are for inside dimensions.		
33 05 63 00-0003 6' High Precast Concrete Underground Utility Vault (33 05 63 00-0002)		
33 05 63 00-0004 EA 4' x 4' x 6' Precast Concrete Underground Utility Vault.....	2,932.99	
Note: 6" thick walls and 8" thick top.		
33 05 63 00-0005 EA 4' x 6' x 6' Precast Concrete Underground Utility Vault.....	3,823.17	
Note: 6" thick walls and 8" thick top.		
33 05 63 00-0006 EA 5' x 10' x 6' Precast Concrete Underground Utility Vault.....	6,307.24	
Note: 6" thick walls and 8" thick top.		
33 05 63 00-0007 EA 5' x 12' x 6' Precast Concrete Underground Utility Vault.....	7,282.83	
Note: 6" thick walls and 8" thick top.		
33 05 63 00-0008 EA 6' x 6' x 6' Precast Concrete Underground Utility Vault.....	4,885.77	
Note: 6" thick walls and 8" thick top.		
33 05 63 00-0009 EA 6' x 8' x 6' Precast Concrete Underground Utility Vault.....	5,947.54	
Note: 6" thick walls and 8" thick top.		
33 05 63 00-0010 EA 6' x 10' x 6' Precast Concrete Underground Utility Vault.....	7,010.16	
Note: 6" thick walls and 8" thick top.		
33 05 63 00-0011 EA 6' x 12' x 6' Precast Concrete Underground Utility Vault.....	10,128.29	
Note: 8" thick walls and top.		
33 05 63 00-0012 EA 6' x 14' x 6' Precast Concrete Underground Utility Vault.....	10,128.29	
Note: 8" thick walls and top.		
33 05 63 00-0013 EA 6' x 16' x 6' Precast Concrete Underground Utility Vault.....	12,753.15	
Note: 8" thick walls and top.		
33 05 63 00-0014 EA 8' x 8' x 6' Precast Concrete Underground Utility Vault.....	7,182.62	
Note: 6" thick walls and 8" thick top.		
33 05 63 00-0015 EA 8' x 10' x 6' Precast Concrete Underground Utility Vault.....	8,416.88	
Note: 6" thick walls and 8" thick top.		
33 05 63 00-0016 EA 8' x 12' x 6' Precast Concrete Underground Utility Vault.....	12,031.18	
Note: 8" thick walls and top.		
33 05 63 00-0017 EA 8' x 14' x 6' Precast Concrete Underground Utility Vault.....	13,540.98	
Note: 8" thick walls and top.		
33 05 63 00-0018 7' High Precast Concrete Underground Utility Vault (33 05 63 00-0002)		
33 05 63 00-0019 EA 4' x 4' x 7' Precast Concrete Underground Utility Vault.....	3,228.86	
Note: 6" thick walls and 8" thick top.		
33 05 63 00-0020 EA 4' x 6' x 7' Precast Concrete Underground Utility Vault.....	4,192.58	
Note: 6" thick walls and 8" thick top.		
33 05 63 00-0021 EA 4' x 8' x 7' Precast Concrete Underground Utility Vault.....	5,156.28	
Note: 6" thick walls and 8" thick top.		
33 05 63 00-0022 EA 5' x 10' x 7' Precast Concrete Underground Utility Vault.....	6,860.97	
Note: 6" thick walls and 8" thick top.		
33 05 63 00-0023 EA 5' x 12' x 7' Precast Concrete Underground Utility Vault.....	7,910.90	
Note: 6" thick walls and 8" thick top.		
33 05 63 00-0024 EA 6' x 6' x 7' Precast Concrete Underground Utility Vault.....	5,328.74	
Note: 6" thick walls and 8" thick top.		
33 05 63 00-0025 EA 6' x 8' x 7' Precast Concrete Underground Utility Vault.....	6,464.92	
Note: 6" thick walls and 8" thick top.		
33 05 63 00-0026 EA 6' x 10' x 7' Precast Concrete Underground Utility Vault.....	7,601.07	
Note: 6" thick walls and 8" thick top.		
33 05 63 00-0027 EA 6' x 12' x 7' Precast Concrete Underground Utility Vault.....	11,014.23	
Note: 8" thick walls and top.		
33 05 63 00-0028 EA 6' x 16' x 7' Precast Concrete Underground Utility Vault.....	13,836.04	
Note: 8" thick walls and top.		
33 05 63 00-0029 EA 8' x 8' x 7' Precast Concrete Underground Utility Vault.....	7,773.51	
Note: 6" thick walls and 8" thick top.		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 05 63 00-0030 EA 8' x 10' x 7' Precast Concrete Underground Utility Vault..... Note: 6" thick walls and 8" thick top.	9,081.32	
33 05 63 00-0031 EA 8' x 12' x 7' Precast Concrete Underground Utility Vault..... Note: 8" thick walls and top.	13,016.05	
33 05 63 00-0032 EA 8' x 14' x 7' Precast Concrete Underground Utility Vault..... Note: 8" thick walls and top.	14,623.05	
33 05 63 00-0033 EA 10' x 10' x 7' Precast Concrete Underground Utility Vault..... Note: 8" thick walls and top.	13,212.44	
33 05 63 00-0034 8' High Precast Concrete Underground Utility Vault (33 05 63 00-0002)		
33 05 63 00-0035 EA 4' x 4' x 8' Precast Concrete Underground Utility Vault..... Note: 6" thick walls and 8" thick top.	3,523.90	
33 05 63 00-0036 EA 4' x 6' x 8' Precast Concrete Underground Utility Vault..... Note: 6" thick walls and 8" thick top.	4,561.99	
33 05 63 00-0037 EA 5' x 10' x 8' Precast Concrete Underground Utility Vault..... Note: 6" thick walls and 8" thick top.	7,414.67	
33 05 63 00-0038 EA 5' x 12' x 8' Precast Concrete Underground Utility Vault..... Note: 6" thick walls and 8" thick top.	8,538.16	
33 05 63 00-0039 EA 6' x 6' x 8' Precast Concrete Underground Utility Vault..... Note: 6" thick walls and 8" thick top.	5,771.71	
33 05 63 00-0040 EA 6' x 8' x 8' Precast Concrete Underground Utility Vault..... Note: 6" thick walls and 8" thick top.	6,981.44	
33 05 63 00-0041 EA 6' x 10' x 8' Precast Concrete Underground Utility Vault..... Note: 6" thick walls and 8" thick top.	8,191.18	
33 05 63 00-0042 EA 6' x 12' x 8' Precast Concrete Underground Utility Vault..... Note: 8" thick walls and top.	11,900.13	
33 05 63 00-0043 EA 6' x 16' x 8' Precast Concrete Underground Utility Vault..... Note: 8" thick walls and top.	14,918.98	
33 05 63 00-0044 EA 8' x 8' x 8' Precast Concrete Underground Utility Vault..... Note: 6" thick walls and 8" thick top.	8,363.59	
33 05 63 00-0045 EA 8' x 10' x 8' Precast Concrete Underground Utility Vault..... Note: 6" thick walls and 8" thick top.	9,745.76	
33 05 63 00-0046 EA 8' x 12' x 8' Precast Concrete Underground Utility Vault..... Note: 8" thick walls and top.	14,000.05	
33 05 63 00-0047 EA 8' x 14' x 8' Precast Concrete Underground Utility Vault..... Note: 8" thick walls and top.	15,705.98	
33 05 63 00-0048 EA 10' x 10' x 8' Precast Concrete Underground Utility Vault..... Note: 8" thick walls and top.	14,197.02	
33 05 63 00-0049 10' High Precast Concrete Underground Utility Vault (33 05 63 00-0002)		
33 05 63 00-0050 EA 6' x 6' x 10' Precast Concrete Underground Utility Vault..... Note: 6" thick walls and 8" thick top.	6,214.69	
33 05 63 00-0051 EA 6' x 8' x 10' Precast Concrete Underground Utility Vault..... Note: 6" thick walls and 8" thick top.	7,497.95	
33 05 63 00-0052 EA 10' x 10' x 10' Precast Concrete Underground Utility Vault..... Note: 8" thick walls and top.	15,180.98	
33 05 63 00-0053 12' High Precast Concrete Underground Utility Vault (33 05 63 00-0002)		
33 05 63 00-0054 EA 6' x 6' x 12' Precast Concrete Underground Utility Vault..... Note: 6" thick walls and 8" thick top.	6,657.65	
33 05 63 00-0055 EA 6' x 8' x 12' Precast Concrete Underground Utility Vault..... Note: 6" thick walls and 8" thick top.	8,015.31	
33 05 63 00-0056 Meter Pit (33 05 63 00-0001)		
33 05 63 00-0057 Precast Concrete Meter Pit (33 05 63 00-0056)		
33 05 63 00-0058 EA 4' x 4' x 4' Deep Precast Concrete Meter Pit.....	2,041.17	
33 05 63 00-0059 EA 4' x 4' x 6' Deep Precast Concrete Meter Pit.....	2,734.48	
33 05 63 00-0060 EA 4' x 4' x 8' Deep Precast Concrete Meter Pit.....	3,385.19	
33 05 63 00-0061 EA 4' x 4' x 10' Deep Precast Concrete Meter Pit.....	4,166.44	
33 05 63 00-0062 EA 4' x 4' x 15' Deep Precast Concrete Meter Pit.....	5,663.15	
33 05 63 00-0063 EA 6' x 6' x 4' Deep Precast Concrete Meter Pit.....	3,064.19	
33 05 63 00-0064 EA 6' x 6' x 6' Deep Precast Concrete Meter Pit.....	4,166.44	
33 05 63 00-0065 EA 6' x 6' x 8' Deep Precast Concrete Meter Pit.....	5,321.93	
33 05 63 00-0066 EA 6' x 6' x 10' Deep Precast Concrete Meter Pit.....	6,641.14	
33 05 63 00-0067 EA 6' x 6' x 15' Deep Precast Concrete Meter Pit.....	9,244.20	
33 05 63 00-0068 Handhole Or Pull Box Enclosures (33 05 63 00-0001)		
33 05 63 00-0069 Polymer Concrete Handhole Enclosures (33 05 63 00-0068)		
33 05 63 00-0070 Polymer Concrete Handhole Enclosures (33 05 63 00-0069)		
33 05 63 00-0071 Flared Sides, Polymer Concrete Handhole Enclosures (33 05 63 00-0070)		
33 05 63 00-0072 Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosures (33 05 63 00-0071)		
33 05 63 00-0073 EA 12" x 12", 24" Depth, 15,000 LB Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	193.92	19.48

33 Utilities**33 05 Common Work Results For Utilities****33 05 63 Concrete Vaults and Chambers**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 05 63 00-0074 EA 10" x 15", 18" Depth, 15,000 LB Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	181.00	43.29
33 05 63 00-0075 EA 13" x 24", 18" Depth, 15,000 LB Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	275.74	64.93
33 05 63 00-0076 EA 17" x 30", 18" Depth, 15,000 LB Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	315.12	64.93
33 05 63 00-0077 EA 13" x 24", 18" Depth, 22,500 LB Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	302.11	64.93
33 05 63 00-0078 EA 13" x 24", 26" Depth, 22,500 LB Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	358.90	64.93
33 05 63 00-0079 EA 17" x 30", 18" Depth, 22,500 LB Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	350.33	64.93
33 05 63 00-0080 EA 17" x 30", 26" Depth, 22,500 LB Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	465.33	64.93
33 05 63 00-0081 EA 27" Round, 36" Depth, 22,500 LB Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	658.03	86.58
33 05 63 00-0082 EA 27" Round, 48" Depth, 22,500 LB Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	905.51	86.58
33 05 63 00-0083 EA 24" x 36", 18" Depth, 22,500 LB Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	618.11	119.04
33 05 63 00-0084 EA 24" x 36", 26" Depth, 22,500 LB Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	695.61	119.04
33 05 63 00-0085 EA 24" x 36", 48" Depth, 22,500 LB Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	1,098.79	119.04
33 05 63 00-0086 EA 39" Round, 18" Depth, 22,500 LB Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	661.47	129.86
33 05 63 00-0087 EA 39" Round, 24" Depth, 22,500 LB Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	915.34	129.86
33 05 63 00-0088 EA 39" Round, 36" Depth, 22,500 LB Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	1,122.94	129.86
33 05 63 00-0089 EA 39" Round, 48" Depth, 22,500 LB Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	1,613.96	129.86
33 05 63 00-0090 EA 30" x 48", 24" Depth, 22,500 LB Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	938.19	185.58
33 05 63 00-0091 EA 30" x 48", 48" Depth, 22,500 LB Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	1,320.28	185.58
33 05 63 00-0092 Gasketed, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosures <small>(33 05 63 00-0071)</small>		
33 05 63 00-0093 EA 12" x 12", 24" Depth, 15,000 LB Design Load, Gasketed, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure	245.36	19.48
33 05 63 00-0094 EA 13" x 24", 18" Depth, 15,000 LB Design Load, Gasketed, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure	337.01	64.93
33 05 63 00-0095 EA 17" x 30", 18" Depth, 15,000 LB Design Load, Gasketed, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure	400.40	64.93
33 05 63 00-0096 EA 13" x 24", 18" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure	372.02	64.93
33 05 63 00-0097 EA 13" x 24", 26" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure	420.56	64.93
33 05 63 00-0098 EA 17" x 30", 18" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure	433.29	64.93
33 05 63 00-0099 EA 17" x 30", 26" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure	549.00	64.93
33 05 63 00-0100 EA 24" x 36", 18" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure	748.39	119.04
33 05 63 00-0101 EA 24" x 36", 26" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure	825.89	119.04
33 05 63 00-0102 EA 24" x 36", 48" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure	1,229.08	119.04
33 05 63 00-0103 EA 30" x 48", 24" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure	1,090.44	185.58
33 05 63 00-0104 EA 30" x 48", 48" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure	1,475.43	185.58
33 05 63 00-0105 Straight Sides, Polymer Concrete Handhole Enclosures <small>(33 05 63 00-0070)</small>		
33 05 63 00-0106 Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosures <small>(33 05 63 00-0105)</small>		
33 05 63 00-0107 EA 5" x 16", 12" Depth, 5,000 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	311.56	19.48
33 05 63 00-0108 EA 10" x 12", 15" Depth, 5,000 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	265.00	19.48
33 05 63 00-0109 EA 13" x 24", 12" Depth, 5,000 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	241.38	64.93
33 05 63 00-0110 EA 17" x 30", 12" Depth, 5,000 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	268.86	64.93
33 05 63 00-0111 EA 6" x 8", 6" Depth, 15,000 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	81.08	19.48
33 05 63 00-0112 EA 12" x 12", 12" Depth, 15,000 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	120.02	19.48
33 05 63 00-0113 EA 8" x 18", 7" Depth, 15,000 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	187.60	19.48
33 05 63 00-0114 EA 8" x 18", 8" Depth, 15,000 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	195.78	19.48
33 05 63 00-0115 EA 11" x 18", 12" Depth, 15,000 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	178.15	43.29



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 05 63 00-0116 EA 11" x 18", 18" Depth, 15,000 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	190.69	43.29
33 05 63 00-0117 EA 8" x 8", 12" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	118.35	19.48
33 05 63 00-0118 EA 8" x 8", 18" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	133.67	19.48
33 05 63 00-0119 EA 11" x 18", 12" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	189.39	43.29
33 05 63 00-0120 EA 11" x 18", 18" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	210.48	43.29
33 05 63 00-0121 EA 11" x 20", 12" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	196.83	43.29
33 05 63 00-0122 EA 13" x 24", 12" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	242.66	64.93
33 05 63 00-0123 EA 13" x 24", 18" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	263.35	64.93
33 05 63 00-0124 EA 17" x 30", 12" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	278.73	64.93
33 05 63 00-0125 EA 17" x 30", 18" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	301.90	64.93
33 05 63 00-0126 EA 17" x 30", 22" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	348.10	64.93
33 05 63 00-0127 EA 17" x 30", 24" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	376.13	64.93
33 05 63 00-0128 EA 17" x 30", 28" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	406.80	64.93
33 05 63 00-0129 EA 17" x 30", 30" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	426.09	64.93
33 05 63 00-0130 EA 24" x 24", 24" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	512.65	86.58
33 05 63 00-0131 EA 24" x 36", 18" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	534.15	119.04
33 05 63 00-0132 EA 24" x 36", 24" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	668.47	119.04
33 05 63 00-0133 EA 24" x 36", 30" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	792.49	119.04
33 05 63 00-0134 EA 24" x 36", 36" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	870.82	119.04
33 05 63 00-0135 EA 24" x 36", 42" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	948.73	119.04
33 05 63 00-0136 EA 36" x 36", 36" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	1,087.25	185.58
33 05 63 00-0137 EA 30" x 48", 18" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	812.68	185.58
33 05 63 00-0138 EA 30" x 48", 24" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	912.16	185.58
33 05 63 00-0139 EA 30" x 48", 36" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	1,102.38	185.58
33 05 63 00-0140 EA 30" x 60", 21" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	1,100.43	185.58
33 05 63 00-0141 EA 30" x 60", 30" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	1,171.43	185.58
33 05 63 00-0142 EA 30" x 60", 36" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	1,307.99	185.58
33 05 63 00-0143 EA 36" x 60", 19" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	1,214.85	198.84
33 05 63 00-0144 EA 36" x 60", 24" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	1,311.27	198.84
33 05 63 00-0145 EA 36" x 60", 31" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	1,434.36	198.84
33 05 63 00-0146 EA 36" x 60", 36" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	1,483.61	198.84
33 05 63 00-0147 EA 48" x 48", 36" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	1,500.73	198.84
33 05 63 00-0148 EA 48" x 48", 48" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	1,688.29	198.84
33 05 63 00-0149 EA 36" x 72", 21" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	1,324.04	198.84
33 05 63 00-0150 EA 36" x 72", 36" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	1,719.24	198.84
33 05 63 00-0151 EA 48" x 72", 36" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	1,930.24	212.10
33 05 63 00-0152 EA 48" x 72", 48" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	2,360.23	212.10
33 05 63 00-0153 EA 48" x 96", 48" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	3,001.04	212.10
33 05 63 00-0154 Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosures <small>(33 05 63 00-0105)</small>		
33 05 63 00-0155 EA 13" x 24", 12" Depth, 5,000 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	312.71	64.93
33 05 63 00-0156 EA 17" x 30", 12" Depth, 5,000 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	353.47	64.93
33 05 63 00-0157 EA 6" x 8", 6" Depth, 15,000 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	129.93	19.48

33 Utilities**33 05 Common Work Results For Utilities****33 05 63 Concrete Vaults and Chambers**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 05 63 00-0158 EA 12" x 12", 12" Depth, 15,000 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	183.15	19.48
33 05 63 00-0159 EA 8" x 18", 7" Depth, 15,000 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	241.97	19.48
33 05 63 00-0160 EA 8" x 18", 8" Depth, 15,000 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	250.16	19.48
33 05 63 00-0161 EA 10" x 15", 18" Depth, 15,000 LB Design Load, Gasketed, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure	231.70	43.29
33 05 63 00-0162 EA 11" x 18", 12" Depth, 15,000 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	240.44	43.29
33 05 63 00-0163 EA 11" x 18", 18" Depth, 15,000 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	252.11	43.29
33 05 63 00-0164 EA 8" x 8", 12" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	171.61	19.48
33 05 63 00-0165 EA 8" x 8", 18" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	200.90	19.48
33 05 63 00-0166 EA 11" x 18", 12" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	251.82	43.29
33 05 63 00-0167 EA 11" x 18", 18" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	272.91	43.29
33 05 63 00-0168 EA 11" x 20", 12" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	259.93	43.29
33 05 63 00-0169 EA 13" x 24", 12" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	312.32	64.93
33 05 63 00-0170 EA 13" x 24", 18" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	333.26	64.93
33 05 63 00-0171 EA 17" x 30", 12" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	361.85	64.93
33 05 63 00-0172 EA 17" x 30", 18" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	384.88	64.93
33 05 63 00-0173 EA 17" x 30", 22" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	430.94	64.93
33 05 63 00-0174 EA 17" x 30", 24" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	459.09	64.93
33 05 63 00-0175 EA 17" x 30", 28" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	489.63	64.93
33 05 63 00-0176 EA 17" x 30", 30" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	509.05	64.93
33 05 63 00-0177 EA 24" x 24", 24" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	627.26	86.58
33 05 63 00-0178 EA 24" x 36", 18" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	664.44	119.04
33 05 63 00-0179 EA 24" x 36", 24" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	798.60	119.04
33 05 63 00-0180 EA 24" x 36", 30" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	922.49	119.04
33 05 63 00-0181 EA 24" x 36", 36" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,000.70	119.04
33 05 63 00-0182 EA 24" x 36", 42" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,078.86	119.04
33 05 63 00-0183 EA 30" x 48", 18" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	963.49	185.58
33 05 63 00-0184 EA 30" x 48", 24" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,063.11	185.58
33 05 63 00-0185 EA 30" x 48", 36" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,253.19	185.58
33 05 63 00-0186 Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosures <small>(33 05 63 00-0105)</small>		
33 05 63 00-0187 EA 13" x 24", 12" Depth, 5,000 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	289.94	64.93
33 05 63 00-0188 EA 17" x 30", 12" Depth, 5,000 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	331.82	64.93
33 05 63 00-0189 EA 6" x 8", 6" Depth, 15,000 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	98.79	19.48
33 05 63 00-0190 EA 12" x 12", 12" Depth, 15,000 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	155.81	19.48
33 05 63 00-0191 EA 8" x 18", 7" Depth, 15,000 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	219.22	19.48
33 05 63 00-0192 EA 8" x 18", 8" Depth, 15,000 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	227.55	19.48
33 05 63 00-0193 EA 11" x 18", 12" Depth, 15,000 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	216.73	43.29
33 05 63 00-0194 EA 11" x 18", 18" Depth, 15,000 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	241.00	43.29
33 05 63 00-0195 EA 8" x 8", 18" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	137.65	19.48
33 05 63 00-0196 EA 11" x 18", 12" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	228.65	43.29
33 05 63 00-0197 EA 11" x 18", 18" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	258.90	43.29
33 05 63 00-0198 EA 11" x 20", 12" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	236.51	43.29
33 05 63 00-0199 EA 13" x 24", 12" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	309.11	64.93
33 05 63 00-0200 EA 13" x 24", 18" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	350.45	64.93
33 05 63 00-0201 EA 17" x 30", 12" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	364.20	64.93



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 05 63 00-0202 EA 17" x 30", 18" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	396.94	64.93
33 05 63 00-0203 EA 17" x 30", 22" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	427.06	64.93
33 05 63 00-0204 EA 17" x 30", 24" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	455.49	64.93
33 05 63 00-0205 EA 17" x 30", 28" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	506.40	64.93
33 05 63 00-0206 EA 17" x 30", 30" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	513.50	64.93
33 05 63 00-0207 EA 24" x 24", 24" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	636.14	86.58
33 05 63 00-0208 EA 24" x 36", 18" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	675.96	119.04
33 05 63 00-0209 EA 24" x 36", 24" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	824.12	119.04
33 05 63 00-0210 EA 24" x 36", 30" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	970.65	119.04
33 05 63 00-0211 EA 24" x 36", 36" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	1,067.98	119.04
33 05 63 00-0212 EA 24" x 36", 42" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	1,165.31	119.04
33 05 63 00-0213 EA 36" x 36", 36" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	1,268.59	185.58
33 05 63 00-0214 EA 30" x 48", 18" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	994.02	185.58
33 05 63 00-0215 EA 30" x 48", 24" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	1,101.26	185.58
33 05 63 00-0216 EA 30" x 48", 36" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	1,291.35	185.58
33 05 63 00-0217 EA 30" x 60", 21" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	1,375.20	185.58
33 05 63 00-0218 EA 30" x 60", 30" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	1,401.46	185.58
33 05 63 00-0219 EA 30" x 60", 36" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	1,656.17	185.58
33 05 63 00-0220 EA 36" x 60", 19" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	1,548.17	198.84
33 05 63 00-0221 EA 36" x 60", 24" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	1,597.99	198.84
33 05 63 00-0222 EA 36" x 60", 31" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	1,739.31	198.84
33 05 63 00-0223 EA 36" x 60", 36" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	1,846.27	198.84
33 05 63 00-0224 EA 36" x 72", 21" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	1,703.30	198.84
33 05 63 00-0225 EA 36" x 72", 36" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	2,085.82	198.84
33 05 63 00-0226 EA 48" x 48", 36" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	1,822.39	198.84
33 05 63 00-0227 EA 48" x 48", 48" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	1,994.03	198.84
33 05 63 00-0228 EA 48" x 72", 36" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	2,402.33	212.10
33 05 63 00-0229 EA 48" x 72", 48" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	2,832.49	212.10
33 05 63 00-0230 EA 48" x 96", 48" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	3,787.09	212.10
33 05 63 00-0231 Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosures		
33 05 63 00-0232 EA 13" x 24", 12" Depth, 5,000 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	361.25	64.93
33 05 63 00-0233 EA 17" x 30", 12" Depth, 5,000 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	416.59	64.93
33 05 63 00-0234 EA 6" x 8", 6" Depth, 15,000 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	147.25	19.48
33 05 63 00-0235 EA 12" x 12", 12" Depth, 15,000 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	218.81	19.48
33 05 63 00-0236 EA 8" x 18", 7" Depth, 15,000 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	273.47	19.48
33 05 63 00-0237 EA 8" x 18", 8" Depth, 15,000 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	281.92	19.48
33 05 63 00-0238 EA 11" x 18", 12" Depth, 15,000 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	279.16	43.29
33 05 63 00-0239 EA 11" x 18", 18" Depth, 15,000 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	303.29	43.29
33 05 63 00-0240 EA 8" x 8", 18" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	206.89	19.48
33 05 63 00-0241 EA 11" x 18", 12" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	290.81	43.29
33 05 63 00-0242 EA 11" x 18", 18" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	321.05	43.29

33 Utilities**33 05 Common Work Results For Utilities****33 05 63 Concrete Vaults and Chambers**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 05 63 00-0243 EA 11" x 20", 12" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	281.79	43.29
33 05 63 00-0244 EA 13" x 24", 12" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	379.05	64.93
33 05 63 00-0245 EA 13" x 24", 18" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	420.39	64.93
33 05 63 00-0246 EA 17" x 30", 12" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	447.17	64.93
33 05 63 00-0247 EA 17" x 30", 18" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	479.91	64.93
33 05 63 00-0248 EA 17" x 30", 22" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	510.02	64.93
33 05 63 00-0249 EA 17" x 30", 24" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	538.47	64.93
33 05 63 00-0250 EA 17" x 30", 28" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	589.39	64.93
33 05 63 00-0251 EA 17" x 30", 30" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	596.46	64.93
33 05 63 00-0252 EA 24" x 24", 24" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	750.59	86.58
33 05 63 00-0253 EA 24" x 36", 18" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	806.24	119.04
33 05 63 00-0254 EA 24" x 36", 24" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	954.27	119.04
33 05 63 00-0255 EA 24" x 36", 30" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,100.64	119.04
33 05 63 00-0256 EA 24" x 36", 36" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,198.04	119.04
33 05 63 00-0257 EA 24" x 36", 42" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,295.44	119.04
33 05 63 00-0258 EA 30" x 48", 18" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,144.97	185.58
33 05 63 00-0259 EA 30" x 48", 24" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,252.36	185.58
33 05 63 00-0260 EA 30" x 48", 36" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,442.31	185.58
33 05 63 00-0261 Footed, Straight Sides, Polymer Concrete Handhole Enclosures <small>(33 05 63 00-0105)</small>		
33 05 63 00-0262 EA 17" x 30", 12" Depth, 5,000 LB Design Load, Footed, Straight Sides, Polymer Concrete Handhole Enclosure	307.32	64.93
33 05 63 00-0263 EA 11" x 18", 12" Depth, 15,000 LB Design Load, Footed, Straight Sides, Polymer Concrete Handhole Enclosure	207.28	43.29
33 05 63 00-0264 EA 11" x 18", 18" Depth, 15,000 LB Design Load, Footed, Straight Sides, Polymer Concrete Handhole Enclosure	230.60	43.29
33 05 63 00-0265 EA 13" x 24", 12" Depth, 15,000 LB Design Load, Footed, Straight Sides, Polymer Concrete Handhole Enclosure	277.06	64.93
33 05 63 00-0266 EA 11" x 18", 12" Depth, 22,500 LB Design Load, Footed, Straight Sides, Polymer Concrete Handhole Enclosure	214.92	43.29
33 05 63 00-0267 EA 11" x 18", 18" Depth, 22,500 LB Design Load, Footed, Straight Sides, Polymer Concrete Handhole Enclosure	237.25	43.29
33 05 63 00-0268 Polymer Concrete Handhole Enclosure Extensions <small>(33 05 63 00-0069)</small>		
33 05 63 00-0269 EA 13" x 24", 8" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Extension	233.65	64.93
33 05 63 00-0270 EA 17" x 30", 8" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Extension	257.95	64.93
33 05 63 00-0271 EA 24" x 24", 6" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Extension	302.33	86.58
33 05 63 00-0272 EA 24" x 24", 12" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Extension	326.19	86.58
33 05 63 00-0273 EA 24" x 36", 8" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Extension	395.02	119.04
33 05 63 00-0274 EA 36" x 36", 12" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Extension	671.15	185.58
33 05 63 00-0275 EA 30" x 48", 8" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Extension	645.07	185.58
33 05 63 00-0276 EA 30" x 48", 11" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Extension	650.76	185.58
33 05 63 00-0277 EA 36" x 60", 12" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Extension	854.47	198.84
33 05 63 00-0278 EA 48" x 72", 12" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Extension	1,309.28	212.10
33 05 63 00-0279 EA 48" x 96", 12" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Extension	1,688.18	212.10
33 05 63 00-0280 EA 13" x 24", 8" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Solid Base Extension	361.15	64.93
33 05 63 00-0281 EA 17" x 30", 8" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Solid Base Extension	376.00	64.93
33 05 63 00-0282 EA 24" x 24", 6" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Solid Base Extension	411.10	86.58
33 05 63 00-0283 EA 24" x 24", 12" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Solid Base Extension	435.21	86.58
33 05 63 00-0284 EA 24" x 36", 8" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Solid Base Extension	514.31	119.04
33 05 63 00-0285 EA 30" x 48", 8" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Solid Base Extension	813.65	185.58
33 05 63 00-0286 EA 13" x 24", 3" Adjustable Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Grade Adjustable Extension	288.58	64.93



	MINOR CSI UOM DESCRIPTION		TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 05 63 00-0287	EA	17" x 30", 3" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Grade Adjustable Extension	317.86	64.93
33 05 63 00-0288	EA	24" x 36", 4" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Grade Adjustable Extension	437.03	119.04
33 05 63 00-0289	EA	36" x 60", 3" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Grade Adjustable Extension	826.54	198.84
33 05 63 00-0290 Polymer Concrete Handhole Enclosure Covers (33 05 63 00-0069)				
33 05 63 00-0291 Polymer Concrete Handhole Enclosure Covers (33 05 63 00-0290)				
33 05 63 00-0292	EA	5" x 16", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	75.72	8.66
33 05 63 00-0293	EA	10" x 12", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	76.66	8.66
33 05 63 00-0294	EA	12" x 12", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	71.31	8.66
33 05 63 00-0295	EA	8" x 18", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	76.84	8.66
33 05 63 00-0296	EA	11" x 18", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	77.56	8.66
33 05 63 00-0297	EA	13" x 24", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	88.45	8.66
33 05 63 00-0298	EA	17" x 30", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	101.93	8.66
33 05 63 00-0299	EA	30" x 59", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	653.20	23.86
33 05 63 00-0300	EA	30" x 60", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	572.83	23.86
33 05 63 00-0301	EA	36" x 60", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	852.76	23.86
33 05 63 00-0302	EA	48" x 48", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	862.30	23.86
33 05 63 00-0303	EA	36" x 72", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	975.56	23.86
33 05 63 00-0304	EA	48" x 72", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	1,062.08	23.86
33 05 63 00-0305	EA	48" x 96", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	1,700.84	23.86
33 05 63 00-0306	EA	10" x 15", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	65.37	8.66
33 05 63 00-0307	EA	11" x 18", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	92.12	8.66
33 05 63 00-0308	EA	11" x 20", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	93.36	8.66
33 05 63 00-0309	EA	13" x 24", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	116.54	8.66
33 05 63 00-0310	EA	13" x 24", 8,000 LB Design Load, Standard Duty, Service Box, Polymer Concrete Handhole Enclosure Cover	88.80	8.66
33 05 63 00-0311	EA	17" x 30", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	137.21	8.66
33 05 63 00-0312	EA	17" x 30", 8,000 LB Design Load, Standard Duty, Service Box, Polymer Concrete Handhole Enclosure Cover	108.50	8.66
33 05 63 00-0313	EA	27" Round, 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	218.91	8.66
33 05 63 00-0314	EA	24" x 24", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	194.03	12.98
33 05 63 00-0315	EA	24" x 36", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	241.82	12.98
33 05 63 00-0316	EA	39" Round, 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	311.03	15.15
33 05 63 00-0317	EA	36" x 36", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	434.27	18.56
33 05 63 00-0318	EA	30" x 48", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	452.02	35.36
33 05 63 00-0319	EA	11" x 18", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover	117.93	8.66
33 05 63 00-0320	EA	13" x 24", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover	166.63	8.66
33 05 63 00-0321	EA	17" x 30", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover	189.11	8.66
33 05 63 00-0322	EA	27" Round, 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover	312.09	8.66
33 05 63 00-0323	EA	24" x 24", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover	259.73	12.98
33 05 63 00-0324	EA	39" Round, 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover	436.16	15.15
33 05 63 00-0325	EA	36" x 36", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover	569.81	18.56
33 05 63 00-0326	EA	30" x 59", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover	768.42	23.86
33 05 63 00-0327	EA	30" x 60", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover	684.21	23.86
33 05 63 00-0328	EA	36" x 60", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover	951.98	23.86
33 05 63 00-0329	EA	48" x 48", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover	1,236.75	23.86
33 05 63 00-0330	EA	36" x 72", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover	1,184.80	23.86
33 05 63 00-0331	EA	48" x 72", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover	1,793.58	23.86
33 05 63 00-0332	EA	48" x 96", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover	2,765.24	23.86
33 05 63 00-0333	EA	11" x 18", 22,500 LB Design Load, Extra Heavy Duty, Polymer Concrete Handhole Enclosure Cover	154.01	8.66
33 05 63 00-0334	EA	11" x 20", 22,500 LB Design Load, Extra Heavy Duty, Polymer Concrete Handhole Enclosure Cover	168.08	8.66
33 05 63 00-0335	EA	13" x 24", 22,500 LB Design Load, Extra Heavy Duty, Polymer Concrete Handhole Enclosure Cover	220.19	8.66
33 05 63 00-0336	EA	17" x 30", 22,500 LB Design Load, Extra Heavy Duty, Polymer Concrete Handhole Enclosure Cover	250.43	8.66
33 05 63 00-0337	EA	27" Round, 22,500 LB Design Load, Extra Heavy Duty, Polymer Concrete Handhole Enclosure Cover	430.26	8.66
33 05 63 00-0338	EA	24" x 24", 22,500 LB Design Load, Extra Heavy Duty, Polymer Concrete Handhole Enclosure Cover	315.41	12.98
33 05 63 00-0339	EA	24" x 36", 22,500 LB Design Load, Extra Heavy Duty, Polymer Concrete Handhole Enclosure Cover	429.27	12.98
33 05 63 00-0340	EA	39" Round, 22,500 LB Design Load, Extra Heavy Duty, Polymer Concrete Handhole Enclosure Cover	663.52	15.15
33 05 63 00-0341	EA	36" x 36", 22,500 LB Design Load, Extra Heavy Duty, Polymer Concrete Handhole Enclosure Cover	758.50	18.56
33 05 63 00-0342	EA	30" x 48", 22,500 LB Design Load, Extra Heavy Duty, Polymer Concrete Handhole Enclosure Cover	789.84	35.36
33 05 63 00-0343	EA	30" x 60", 22,500 LB Design Load, Extra Heavy Duty, Polymer Concrete Handhole Enclosure Cover	913.39	23.86
33 05 63 00-0344	EA	36" x 60", 22,500 LB Design Load, Extra Heavy Duty, Polymer Concrete Handhole Enclosure Cover	1,271.39	23.86
33 05 63 00-0345	EA	48" x 48", 22,500 LB Design Load, Extra Heavy Duty, Polymer Concrete Handhole Enclosure Cover	1,774.95	23.86
33 05 63 00-0346	EA	36" x 72", 22,500 LB Design Load, Extra Heavy Duty, Polymer Concrete Handhole Enclosure Cover	1,584.91	23.86
33 05 63 00-0347	EA	48" x 72", 22,500 LB Design Load, Extra Heavy Duty, Polymer Concrete Handhole Enclosure Cover	2,620.29	23.86
33 05 63 00-0348	EA	48" x 96", 22,500 LB Design Load, Extra Heavy Duty, Polymer Concrete Handhole Enclosure Cover	4,039.29	23.86
33 05 63 00-0349 Polymer Concrete Handhole Enclosure Covers With Gaskets (33 05 63 00-0290)				
33 05 63 00-0350	EA	12" x 12", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	86.43	8.66
33 05 63 00-0351	EA	8" x 18", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	91.14	8.66
33 05 63 00-0352	EA	11" x 18", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	92.68	8.66
33 05 63 00-0353	EA	13" x 24", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	93.26	8.66
33 05 63 00-0354	EA	17" x 30", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	107.07	8.66
33 05 63 00-0355	EA	10" x 15", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	69.71	8.66
33 05 63 00-0356	EA	11" x 18", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	96.57	8.66
33 05 63 00-0357	EA	11" x 20", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	97.43	8.66
33 05 63 00-0358	EA	13" x 24", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	121.13	8.66

33 Utilities**33 05 Common Work Results For Utilities****33 05 63 Concrete Vaults and Chambers**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 05 63 00-0359 EA 13" x 24", 8,000 LB Design Load, Standard Duty, Service Box, Polymer Concrete Handhole Enclosure Cover With Gasket	93.79	8.66
33 05 63 00-0360 EA 17" x 30", 8,000 LB Design Load, Standard Duty, Service Box, Polymer Concrete Handhole Enclosure Cover With Gasket	113.77	8.66
33 05 63 00-0361 EA 17" x 30", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover With Gasket.....	142.07	8.66
33 05 63 00-0362 EA 24" x 24", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover With Gasket.....	197.29	12.98
33 05 63 00-0363 EA 24" x 36", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover With Gasket.....	246.83	12.98
33 05 63 00-0364 EA 30" x 48", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover With Gasket.....	457.14	35.36
33 05 63 00-0365 EA 6" x 8", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover With Gasket.....	58.67	8.66
33 05 63 00-0366 EA 8" x 8", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover With Gasket.....	89.67	8.66
33 05 63 00-0367 EA 8" x 18", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover With Gasket.....	99.34	8.66
33 05 63 00-0368 EA 12" x 12", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover With Gasket.....	95.04	8.66
33 05 63 00-0369 EA 10" x 18", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover With Gasket.....	78.95	8.66
33 05 63 00-0370 EA 11" x 18", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover With Gasket.....	122.37	8.66
33 05 63 00-0371 EA 11" x 20", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover With Gasket.....	132.40	8.66
33 05 63 00-0372 EA 13" x 24", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover With Gasket.....	171.35	8.66
33 05 63 00-0373 EA 17" x 30", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover With Gasket.....	194.24	8.66
33 05 63 00-0374 EA 24" x 24", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover With Gasket.....	264.32	12.98
33 05 63 00-0375 EA 24" x 36", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover With Gasket.....	328.67	12.98
33 05 63 00-0376 EA 30" x 48", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover With Gasket.....	599.35	35.36

33 05 63 00-0377 Polymer Concrete Handhole Enclosure Covers Without Bolts (33 05 63 00-0290)

33 05 63 00-0378 EA 6" x 9", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	48.00	8.66
33 05 63 00-0379 EA 7" x 13", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	56.34	8.66
33 05 63 00-0380 EA 12" x 12", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	67.57	8.66
33 05 63 00-0381 EA 8" x 18", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	72.56	8.66
33 05 63 00-0382 EA 11" x 18", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	72.43	8.66
33 05 63 00-0383 EA 13" x 24", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	85.22	8.66
33 05 63 00-0384 EA 17" x 30", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	97.79	8.66
33 05 63 00-0385 EA 24" x 36", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	233.63	12.98
33 05 63 00-0386 EA 30" x 48", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	433.29	35.36
33 05 63 00-0387 EA 30" x 59", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	646.17	23.86
33 05 63 00-0388 EA 30" x 60", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	564.90	23.86
33 05 63 00-0389 EA 48" x 48", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	839.71	23.86
33 05 63 00-0390 EA 36" x 60", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	810.65	23.86
33 05 63 00-0391 EA 36" x 72", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	967.99	23.86
33 05 63 00-0392 EA 48" x 72", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	1,034.09	23.86
33 05 63 00-0393 EA 48" x 96", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	1,647.05	23.86
33 05 63 00-0394 EA 10" x 16", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	62.99	8.66
33 05 63 00-0395 EA 10" x 16", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	61.61	8.66
33 05 63 00-0396 EA 11" x 20", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	89.12	8.66
33 05 63 00-0397 EA 11" x 21", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	97.54	8.66
33 05 63 00-0398 EA 13" x 24", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	109.89	8.66
33 05 63 00-0399 EA 13" x 24", 8,000 LB Design Load, Standard Duty, Service Box, Polymer Concrete Handhole Enclosure Cover Without Bolts	84.49	8.66
33 05 63 00-0400 EA 18" x 19", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	93.79	8.66
33 05 63 00-0401 EA 17" x 30", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	131.38	8.66
33 05 63 00-0402 EA 24" x 24", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	190.26	12.98
33 05 63 00-0403 EA 20" x 42", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	236.23	12.98
33 05 63 00-0404 EA 24" x 36", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	233.50	12.98
33 05 63 00-0405 EA 36" x 36", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	417.20	18.56
33 05 63 00-0406 EA 30" x 48", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	433.29	21.21

33 05 63 00-0407 Overlapping, Polymer Concrete Handhole Enclosure Covers (33 05 63 00-0290)

33 05 63 00-0408 EA 30" x 60", 5,000 LB Design Load, Standard Duty, Overlapping, Polymer Concrete Handhole Enclosure Cover	672.36	23.86
33 05 63 00-0409 EA 36" x 60", 5,000 LB Design Load, Standard Duty, Overlapping, Polymer Concrete Handhole Enclosure Cover	968.96	23.86
33 05 63 00-0410 EA 30" x 48", 8,000 LB Design Load, Standard Duty, Overlapping, Polymer Concrete Handhole Enclosure Cover	564.65	35.36
33 05 63 00-0411 EA 30" x 48", 15,000 LB Design Load, Heavy Duty, Overlapping, Polymer Concrete Handhole Enclosure Cover	745.72	35.36
33 05 63 00-0412 EA 30" x 60", 15,000 LB Design Load, Heavy Duty, Overlapping, Polymer Concrete Handhole Enclosure Cover	796.90	23.86
33 05 63 00-0413 EA 36" x 60", 15,000 LB Design Load, Heavy Duty, Overlapping, Polymer Concrete Handhole Enclosure Cover	1,082.36	23.86

33 05 63 00-0414 Split, Polymer Concrete Handhole Enclosure Covers (33 05 63 00-0290)

33 05 63 00-0415 EA 24" x 36", 8,000 LB Design Load, Standard Duty, Split, Polymer Concrete Handhole Enclosure Cover	264.40	12.98
33 05 63 00-0416 EA 36" x 36", 8,000 LB Design Load, Standard Duty, Split, Polymer Concrete Handhole Enclosure Cover	487.69	18.56
33 05 63 00-0417 EA 30" x 48", 8,000 LB Design Load, Standard Duty, Split, Polymer Concrete Handhole Enclosure Cover	510.70	35.36
33 05 63 00-0418 EA 6" x 8", 15,000 LB Design Load, Heavy Duty, Split, Polymer Concrete Handhole Enclosure Cover	45.68	8.66
33 05 63 00-0419 EA 8" x 8", 15,000 LB Design Load, Heavy Duty, Split, Polymer Concrete Handhole Enclosure Cover	73.01	8.66
33 05 63 00-0420 EA 12" x 12", 15,000 LB Design Load, Heavy Duty, Split, Polymer Concrete Handhole Enclosure Cover	79.92	8.66
33 05 63 00-0421 EA 8" x 18", 15,000 LB Design Load, Heavy Duty, Split, Polymer Concrete Handhole Enclosure Cover	84.49	8.66
33 05 63 00-0422 EA 10" x 15", 15,000 LB Design Load, Heavy Duty, Split, Polymer Concrete Handhole Enclosure Cover	74.64	8.66
33 05 63 00-0423 EA 11" x 20", 15,000 LB Design Load, Heavy Duty, Split, Polymer Concrete Handhole Enclosure Cover	128.33	8.66
33 05 63 00-0424 EA 24" x 36", 15,000 LB Design Load, Heavy Duty, Split, Polymer Concrete Handhole Enclosure Cover	352.19	12.98
33 05 63 00-0425 EA 36" x 36", 15,000 LB Design Load, Heavy Duty, Split, Polymer Concrete Handhole Enclosure Cover	646.00	18.56
33 05 63 00-0426 EA 30" x 48", 15,000 LB Design Load, Heavy Duty, Split, Polymer Concrete Handhole Enclosure Cover	677.75	35.36

33 05 63 00-0427 Precast Concrete Handholes With Steel Cover (33 05 63 00-0068)

Note: 8000 To 12000 pound traffic rated top. Includes cover stamped with utility (Electrical, Sewer, Water, Etc.).



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 05 63 00-0428 EA 12" x 12" x 12" Precast Concrete Handholes With Steel Cover.....	649.07	183.77
Note: 8000 To 12000 pound traffic rated top.		
For 15,000 to 22,500 Pound Traffic Rated Top, Add	18.00	
33 05 63 00-0429 EA 12" x 24" x 21" Precast Concrete Handholes With Steel Cover.....	1,088.28	275.65
Note: 8000 To 12000 pound traffic rated top.		
For 15,000 to 22,500 Pound Traffic Rated Top, Add	89.46	
33 05 63 00-0430 EA 18" x 30" x 18" Precast Concrete Handholes With Steel Cover.....	1,322.00	367.54
Note: 8000 To 12000 pound traffic rated top.		
For 15,000 to 22,500 Pound Traffic Rated Top, Add	152.31	
33 05 63 00-0431 EA 24" x 24" x 24" Precast Concrete Handholes With Steel Cover.....	1,372.09	367.54
Note: 8000 To 12000 pound traffic rated top.		
For 15,000 to 22,500 Pound Traffic Rated Top, Add	189.95	
33 05 63 00-0432 EA 24" x 24" x 30" Precast Concrete Handholes With Steel Cover.....	1,615.32	459.42
Note: 8000 To 12000 pound traffic rated top.		
For 15,000 to 22,500 Pound Traffic Rated Top, Add	226.55	
33 05 63 00-0433 EA 30" x 36" x 30" Precast Concrete Handholes With Steel Cover.....	1,698.66	459.42
Note: 8000 To 12000 pound traffic rated top.		
For 15,000 to 22,500 Pound Traffic Rated Top, Add	254.93	
33 05 63 00-0434 EA 36" x 36" x 48" Precast Concrete Handholes With Steel Cover.....	1,964.24	551.31
Note: 8000 To 12000 pound traffic rated top.		
For 15,000 to 22,500 Pound Traffic Rated Top, Add	295.91	
33 05 63 00-0435 EA 48" x 48" x 48" Precast Concrete Handholes With Steel Cover.....	2,256.18	643.19
Note: 8000 To 12000 pound traffic rated top.		
For 15,000 to 22,500 Pound Traffic Rated Top, Add	430.29	
33 05 63 00-0436 EA 48" x 72" x 36" Precast Concrete Handholes With Steel Cover.....	2,211.24	551.31
Note: 8000 To 12000 pound traffic rated top.		
For 15,000 to 22,500 Pound Traffic Rated Top, Add	485.23	
33 05 63 00-0437 EA 54" x 38" x 24" Precast Concrete Handholes With Steel Cover.....	2,232.49	551.31
Note: 8000 To 12000 pound traffic rated top.		
For 15,000 to 22,500 Pound Traffic Rated Top, Add	315.03	
33 05 63 00-0438 EA 6" Diameter Precast Concrete Handholes With Steel Cover.....	513.07	183.77
Note: 8000 To 12000 pound traffic rated top.		
For 15,000 to 22,500 Pound Traffic Rated Top, Add	15.00	
33 05 63 00-0439 EA 9" Diameter Precast Concrete Handholes With Steel Cover.....	603.76	206.74
Note: 8000 To 12000 pound traffic rated top.		
For 15,000 to 22,500 Pound Traffic Rated Top, Add	15.00	
33 05 63 00-0440 EA 12" Diameter Precast Concrete Handholes With Steel Cover.....	739.18	229.71
Note: 8000 To 12000 pound traffic rated top.		
For 15,000 to 22,500 Pound Traffic Rated Top, Add	15.00	

33 05 84 Accessories for Utility Structures (33 05)

See CSI section 22 13 19 26-0043 for oil interceptors, 22 13 23 00-0000 for sediment interceptors, 31 23 16 00-0000 for excavation, 31 23 16 36-0016 for backfill.

33 05 84 00-0001 Manhole Accessories (33 05 84)

33 05 84 00-0002 Precast Concrete Manhole Tops (33 05 84 00-0001)

33 05 84 00-0003 Precast Concrete Manhole Slab Tops (33 05 84 00-0002)

33 05 84 00-0004 EA 3' Diameter x 8" Thick Precast Manhole Top Slab.....	431.37	61.14
33 05 84 00-0005 EA 3'-6" Diameter x 8" Thick Precast Manhole Top Slab.....	509.37	63.60
33 05 84 00-0006 EA 4' Diameter x 8" Thick Precast Manhole Top Slab.....	596.87	66.04
33 05 84 00-0007 EA 5' Diameter x 8" Thick Precast Manhole Top Slab.....	801.30	70.93
33 05 84 00-0008 EA 6' Diameter x 8" Thick Precast Manhole Top Slab.....	956.52	75.83

33 05 84 00-0009 Precast Concrete Manhole Cone Tops (33 05 84 00-0002)

33 05 84 00-0010 EA 3' Diameter x 8" Thick Precast Manhole Top Cone.....	679.28	76.43
33 05 84 00-0011 EA 3'-6" Diameter x 8" Thick Precast Manhole Top Cone.....	753.76	79.49
33 05 84 00-0012 EA 4' Diameter x 8" Thick Precast Manhole Top Cone.....	828.26	82.56
33 05 84 00-0013 EA 5' Diameter x 8" Thick Precast Manhole Top Cone.....	973.13	87.65
33 05 84 00-0014 EA 6' Diameter x 8" Thick Precast Manhole Top Cone.....	1,122.11	93.77

33 05 84 00-0015 Pipe To Manhole Connector (33 05 84 00-0001)

33 05 84 00-0016 Ethylene Propylene Diene Monomer (EPDM) Pipe To Manhole Boot Connectors (33 05 84 00-0015)

33 05 84 00-0017 EA 4" Ethylene Propylene Diene Monomer (EPDM) Pipe To Manhole Boot Connector.....	66.69	
33 05 84 00-0018 EA 6" Ethylene Propylene Diene Monomer (EPDM) Pipe To Manhole Boot Connector.....	91.73	
33 05 84 00-0019 EA 8" Ethylene Propylene Diene Monomer (EPDM) Pipe To Manhole Boot Connector.....	103.74	
33 05 84 00-0020 EA 10" Ethylene Propylene Diene Monomer (EPDM) Pipe To Manhole Boot Connector.....	146.82	
33 05 84 00-0021 EA 12" Ethylene Propylene Diene Monomer (EPDM) Pipe To Manhole Boot Connector.....	201.03	
33 05 84 00-0022 EA 15" Ethylene Propylene Diene Monomer (EPDM) Pipe To Manhole Boot Connector.....	269.94	
33 05 84 00-0023 EA 18" Ethylene Propylene Diene Monomer (EPDM) Pipe To Manhole Boot Connector.....	462.45	
33 05 84 00-0024 EA 21" Ethylene Propylene Diene Monomer (EPDM) Pipe To Manhole Boot Connector.....	636.53	
33 05 84 00-0025 EA 24" Ethylene Propylene Diene Monomer (EPDM) Pipe To Manhole Boot Connector.....	975.73	
33 05 84 00-0026 EA 27" Ethylene Propylene Diene Monomer (EPDM) Pipe To Manhole Boot Connector.....	1,157.53	

33 05 84 00-0027 Elastomeric Polyvinyl Chloride (PVC) Flexible Manhole Adapter And Grout

(33 05 84 00-0015)
Note: Fernco CMA.

33 Utilities**33 05 Common Work Results For Utilities****33 05 84 Accessories for Utility Structures**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 05 84 00-0028 EA 4" Elastomeric Polyvinyl Chloride (PVC) Flexible Manhole Adapter And Grout.....	74.48	
33 05 84 00-0029 EA 6" Elastomeric Polyvinyl Chloride (PVC) Flexible Manhole Adapter And Grout.....	102.54	
33 05 84 00-0030 EA 8" Elastomeric Polyvinyl Chloride (PVC) Flexible Manhole Adapter And Grout.....	129.30	
33 05 84 00-0031 EA 10" Elastomeric Polyvinyl Chloride (PVC) Flexible Manhole Adapter And Grout.....	155.94	
33 05 84 00-0032 EA 12" Elastomeric Polyvinyl Chloride (PVC) Flexible Manhole Adapter And Grout.....	181.10	
33 05 84 00-0033 Brick And Grout Pipe To Manhole Connector (33 05 84 00-0015)		
33 05 84 00-0034 EA Seal Gap Between Pipe And Structure With Brick And Grout.....	187.18	
33 05 84 00-0035 Inverts For Manholes (33 05 84 00-0001)		
33 05 84 00-0036 EA Single Channel Concrete Invert For Manholes.....	348.78	
33 05 84 00-0037 EA Double Channel Concrete Invert For Manholes.....	502.34	
33 05 84 00-0038 EA Triple Channel Concrete Invert For Manholes.....	676.80	
33 05 84 00-0039 EA Quad Channel Concrete Invert For Manholes.....	851.21	
33 05 84 00-0040 EA Single Channel Brick Invert For Manholes.....	479.72	
33 05 84 00-0041 EA Double Channel Brick Invert For Manholes.....	718.45	
33 05 84 00-0042 EA Triple Channel Brick Invert For Manholes.....	961.38	
33 05 84 00-0043 EA Quad Channel Brick Invert For Manholes.....	1,201.20	
33 05 84 00-0044 Steps For Cast-In-Place Manholes (33 05 84 00-0001)		
See CSI section 33 01 30 81-0037 for installation of steps in existing manholes.		
33 05 84 00-0045 EA Cast Iron Manhole Step For New Manholes.....	53.89	
33 05 84 00-0046 EA Galvanized Steel Manhole Step For New Manholes.....	41.23	
33 05 84 00-0047 EA Aluminum Manhole Step For New Manholes.....	38.67	
33 05 84 00-0048 EA Polypropylene Manhole Step For New Manholes.....	33.16	
33 05 84 00-0049 Protective Coating For New Manholes (33 05 84 00-0001)		
33 05 84 00-0050 Polyurethane Protective Coating For New Manholes (33 05 84 00-0049)		
33 05 84 00-0051 VLF 60 Mil Polyurethane Coating Of 3' Diameter Manhole Interior.....	143.41	
For 80 Mil Material, Add	18.69	
For 100 Mil Material, Add	37.38	
For 125 Mil Material, Add	58.63	
For 150 Mil Material, Add	79.88	
For 200 Mil Material, Add	116.74	
For 2 To 5 Manholes, Deduct	-9.99	
For 6 To 10 Manholes, Deduct	-16.39	
For >10 Manholes, Deduct	-32.78	
33 05 84 00-0052 VLF 60 Mil Polyurethane Coating Of 3-1/2' Diameter Manhole Interior.....	173.60	
For 80 Mil Material, Add	22.28	
For 100 Mil Material, Add	44.57	
For 125 Mil Material, Add	69.84	
For 150 Mil Material, Add	95.11	
For 200 Mil Material, Add	138.77	
For 2 To 5 Manholes, Deduct	-12.12	
For 6 To 10 Manholes, Deduct	-19.91	
For >10 Manholes, Deduct	-39.81	
33 05 84 00-0053 VLF 60 Mil Polyurethane Coating Of 4' Diameter Manhole Interior.....	191.20	
For 80 Mil Material, Add	24.92	
For 100 Mil Material, Add	49.83	
For 125 Mil Material, Add	78.16	
For 150 Mil Material, Add	106.49	
For 200 Mil Material, Add	155.63	
For 2 To 5 Manholes, Deduct	-13.32	
For 6 To 10 Manholes, Deduct	-21.85	
For >10 Manholes, Deduct	-43.71	
33 05 84 00-0054 VLF 60 Mil Polyurethane Coating Of 5' Diameter Manhole Interior.....	239.05	
For 80 Mil Material, Add	31.16	
For 100 Mil Material, Add	62.32	
For 125 Mil Material, Add	97.74	
For 150 Mil Material, Add	133.17	
For 200 Mil Material, Add	194.63	
For 2 To 5 Manholes, Deduct	-16.65	
For 6 To 10 Manholes, Deduct	-27.32	
For >10 Manholes, Deduct	-54.64	
33 05 84 00-0055 VLF 60 Mil Polyurethane Coating Of 6' Diameter Manhole Interior.....	276.84	
For 80 Mil Material, Add	36.64	
For 100 Mil Material, Add	73.27	
For 125 Mil Material, Add	115.03	
For 150 Mil Material, Add	156.79	
For 200 Mil Material, Add	229.54	
For 2 To 5 Manholes, Deduct	-19.23	
For 6 To 10 Manholes, Deduct	-31.53	
For >10 Manholes, Deduct	-63.07	
33 05 84 00-0056 Polyvinyl Chloride (PVC) Liner (33 05 84 00-0049)		
Note: For new manholes and shop applied.		
33 05 84 00-0057 VLF 3' Diameter Polyvinyl Chloride (PVC) Liner For New Manhole.....	144.38	
33 05 84 00-0058 VLF 3-1/2' Diameter Polyvinyl Chloride (PVC) Liner For New Manhole.....	176.98	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 05 84 00-0059 VLF 4' Diameter Polyvinyl Chloride (PVC) Liner For New Manhole	215.98	
33 05 84 00-0060 VLF 5' Diameter Polyvinyl Chloride (PVC) Liner For New Manhole	271.23	
33 05 84 00-0061 VLF 6' Diameter Polyvinyl Chloride (PVC) Liner For New Manhole	326.48	
33 05 84 00-0062 SF Polyvinyl Chloride (PVC) Liner At Structures	22.66	
33 05 84 00-0063 Concrete Grade Extensions/Grade Rings <small>(33 05 84 00-0001)</small>		
33 05 84 00-0064 18" Diameter, Concrete Grade Extensions/Grade Rings <small>(33 05 84 00-0063)</small>		
33 05 84 00-0065 EA 4" Rise, 18" Diameter, Concrete Grade Extensions/Grade Rings.....	62.35	
33 05 84 00-0066 EA 6" Rise, 18" Diameter, Concrete Grade Extensions/Grade Ring	67.49	
33 05 84 00-0067 EA 8" Rise, 18" Diameter, Concrete Grade Extensions/Grade Ring	72.62	
33 05 84 00-0068 EA 10" Rise, 18" Diameter, Concrete Grade Extensions/Grade Ring	77.75	
33 05 84 00-0069 24" Diameter, Concrete Grade Extensions/Grade Rings <small>(33 05 84 00-0063)</small>		
33 05 84 00-0070 EA 4" Rise, 24" Diameter, Concrete Grade Extensions/Grade Ring	69.92	
33 05 84 00-0071 EA 6" Rise, 24" Diameter, Concrete Grade Extensions/Grade Ring	75.76	
33 05 84 00-0072 EA 8" Rise, 24" Diameter, Concrete Grade Extensions/Grade Ring	81.59	
33 05 84 00-0073 EA 10" Rise, 24" Diameter, Concrete Grade Extensions/Grade Ring	87.42	
33 05 84 00-0074 30" Diameter, Concrete Grade Extensions/Grade Rings <small>(33 05 84 00-0063)</small>		
33 05 84 00-0075 EA 4" Rise, 30" Diameter, Concrete Grade Extensions/Grade Ring	77.36	
33 05 84 00-0076 EA 6" Rise, 30" Diameter, Concrete Grade Extensions/Grade Ring	83.86	
33 05 84 00-0077 EA 8" Rise, 30" Diameter, Concrete Grade Extensions/Grade Ring	90.37	
33 05 84 00-0078 EA 10" Rise, 30" Diameter, Concrete Grade Extensions/Grade Ring	96.87	
33 05 84 00-0079 Bentonite Collar <small>(33 05 84 00-0001)</small>		
33 05 84 00-0080 Bentonite Collar At Manhole Connections <small>(33 05 84 00-0079)</small>		
33 05 84 00-0081 EA Up To 12" Pipe, Bentonite Collar At Manhole Connection.....	120.85	
33 05 84 00-0082 EA >12" To 21", Bentonite Collar At Manhole Connection	191.85	
33 05 84 00-0083 EA >21" To 30" Pipe, Bentonite Collar At Manhole Connection	308.19	
33 05 84 00-0084 EA >30" To 36" Pipe, Bentonite Collar At Manhole Connection	725.19	
33 05 84 00-0085 EA >36" To 48" Pipe, Bentonite Collar At Manhole Connection	1,102.69	
33 05 84 00-0086 EA >48" To 60" Pipe, Bentonite Collar At Manhole Connection	1,993.83	
33 05 84 00-0087 Manhole Covers And Frames <small>(33 05 84)</small>		
<small>Note: Includes moisture-tight masonry joints and waterproof grouting.</small>		
33 05 84 00-0088 Regular Manhole Covers And Frames, City Type <small>(33 05 84 00-0087)</small>		
33 05 84 00-0089 EA 18" Square x 75 LB Regular Cast Iron Manhole Cover With Frame, City Type	443.22	70.12
<i>For Malleable Iron Castings, Add</i>		
	69.37	
<i>For Ductile Iron Castings, Add</i>		
	161.87	
<i>For Heavy Duty, Add</i>		
	165.73	
33 05 84 00-0090 EA 18" Diameter x 100 LB Regular Cast Iron Manhole Cover With Frame, City Type	657.33	70.12
<i>For Malleable Iron Castings, Add</i>		
	133.61	
<i>For Ductile Iron Castings, Add</i>		
	311.75	
<i>For Heavy Duty, Add</i>		
	240.66	
33 05 84 00-0091 EA 24" Square x 126 LB Regular Cast Iron Manhole Cover With Frame, City Type	671.49	76.64
<i>For Malleable Iron Castings, Add</i>		
	132.32	
<i>For Ductile Iron Castings, Add</i>		
	308.75	
<i>For Heavy Duty, Add</i>		
	246.54	
33 05 84 00-0092 EA 24" Diameter x 200 LB Regular Cast Iron Manhole Cover With Frame, City Type	692.90	76.64
<i>For Malleable Iron Castings, Add</i>		
	138.74	
<i>For Ductile Iron Castings, Add</i>		
	323.74	
<i>For Heavy Duty, Add</i>		
	254.04	
33 05 84 00-0093 EA 24" Diameter x 300 LB Regular Cast Iron Manhole Cover With Frame, City Type	754.18	81.54
<i>For Malleable Iron Castings, Add</i>		
	152.87	
<i>For Ductile Iron Castings, Add</i>		
	356.71	
<i>For Heavy Duty, Add</i>		
	276.19	
33 05 84 00-0094 EA 24" Diameter x 400 LB Regular Cast Iron Manhole Cover With Frame, City Type	830.60	90.50
<i>For Malleable Iron Castings, Add</i>		
	167.65	
<i>For Ductile Iron Castings, Add</i>		
	391.18	
<i>For Heavy Duty, Add</i>		
	304.30	
33 05 84 00-0095 EA 24" Square x 500 LB Regular Cast Iron Manhole Cover With Frame, City Type	974.05	90.50
<i>For Malleable Iron Castings, Add</i>		
	210.68	
<i>For Ductile Iron Castings, Add</i>		
	491.60	
<i>For Heavy Duty, Add</i>		
	354.51	
33 05 84 00-0096 EA 26" Diameter x 475 LB Regular Cast Iron Manhole Cover With Frame, City Type	969.13	97.84
<i>For Malleable Iron Castings, Add</i>		
	202.34	
<i>For Ductile Iron Castings, Add</i>		
	472.12	
<i>For Heavy Duty, Add</i>		
	353.93	
33 05 84 00-0097 EA 30" Diameter x 620 LB Regular Cast Iron Manhole Cover With Frame, City Type	1,095.80	101.92
<i>For Malleable Iron Castings, Add</i>		
	237.02	
<i>For Ductile Iron Castings, Add</i>		
	553.05	
<i>For Heavy Duty, Add</i>		
	398.82	
33 05 84 00-0098 Watertight Type Manhole Covers And Frames <small>(33 05 84 00-0087)</small>		

33 Utilities**33 05 Common Work Results For Utilities****33 05 84 Accessories for Utility Structures**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 05 84 00-0099 EA 20" Diameter x 200 LB Watertight Manhole Cover With Frame <i>For Malleable Iron Castings, Add</i> <i>For Ductile Iron Castings, Add</i>	673.63 132.96 310.25	57.89
33 05 84 00-0100 EA 22" Diameter x 300 LB Watertight Manhole Cover With Frame <i>For Malleable Iron Castings, Add</i> <i>For Ductile Iron Castings, Add</i>	859.68 183.09 427.20	57.89
33 05 84 00-0101 EA 24" Diameter x 350 LB Watertight Manhole Cover With Frame <i>For Malleable Iron Castings, Add</i> <i>For Ductile Iron Castings, Add</i>	965.47 208.11 485.59	67.67
33 05 84 00-0102 EA 26" Diameter x 500 LB Watertight Manhole Cover With Frame <i>For Malleable Iron Castings, Add</i> <i>For Ductile Iron Castings, Add</i>	1,185.70 267.31 623.71	75.83
33 05 84 00-0103 EA 30" Diameter x 550 LB Watertight Manhole Cover With Frame <i>For Malleable Iron Castings, Add</i> <i>For Ductile Iron Castings, Add</i>	1,149.96 253.27 590.96	77.45
33 05 84 00-0104 EA 32" Diameter x 575 LB Watertight Manhole Cover With Frame <i>For Malleable Iron Castings, Add</i> <i>For Ductile Iron Castings, Add</i>	1,235.34 277.68 647.93	79.08
33 05 84 00-0105 EA 36" Diameter x 600 LB Watertight Manhole Cover With Frame <i>For Malleable Iron Castings, Add</i> <i>For Ductile Iron Castings, Add</i>	1,402.25 326.51 761.85	81.54
33 05 84 00-0106 Aluminum Manhole Covers And Frames (33 05 84 00-0087)		
33 05 84 00-0107 EA 12" Square Aluminum Manhole Cover With Frame	378.86	25.06
33 05 84 00-0108 EA 18" Square Aluminum Manhole Cover With Frame	648.64	27.75
33 05 84 00-0109 EA 24" Square Aluminum Manhole Cover With Frame	909.73	32.22
33 05 84 00-0110 Remove And Reinstall Manhole Cover And Frame (33 05 84 00-0087) Note: Includes surrounding asphalt removal and repair. Excludes saw cutting.		
33 05 84 00-0111 EA Removal And Reinstallation Of Manhole Cover And Frame	326.89	
33 05 84 00-0112 Rainguard Inflow Protectors (33 05 84 00-0087)		
33 05 84 00-0113 EA 18" Diameter Acrylonitrile Butadiene Styrene (ABS) Rainguard Inflow Protectors.....	97.52	18.39
33 05 84 00-0114 EA 22" Diameter Acrylonitrile Butadiene Styrene (ABS) Rainguard Inflow Protectors.....	109.28	18.39
33 05 84 00-0115 EA 24" Diameter Acrylonitrile Butadiene Styrene (ABS) Rainguard Inflow Protectors.....	130.76	22.06
33 05 84 00-0116 EA 26" Diameter Acrylonitrile Butadiene Styrene (ABS) Rainguard Inflow Protectors.....	138.18	22.06
33 05 84 00-0117 EA 30" Diameter Acrylonitrile Butadiene Styrene (ABS) Rainguard Inflow Protectors.....	169.44	25.74
33 05 84 00-0118 EA 32" Diameter Acrylonitrile Butadiene Styrene (ABS) Rainguard Inflow Protectors.....	178.56	25.74
33 05 84 00-0119 Waste Water Collection System Taps (33 05 84) Note: For tapping existing structures only. Includes grout.		
33 05 84 00-0120 Brick Manhole Taps (33 05 84 00-0119)		
33 05 84 00-0121 EA 4" Tap In 6" Brick Manhole.....	378.28	
33 05 84 00-0122 EA 6" Tap In 6" Brick Manhole.....	423.16	
33 05 84 00-0123 EA 8" Tap In 6" Brick Manhole.....	467.24	
33 05 84 00-0124 EA 10" Tap In 6" Brick Manhole.....	511.24	
33 05 84 00-0125 EA 12" Tap In 6" Brick Manhole.....	563.11	
33 05 84 00-0126 EA 15" Tap In 6" Brick Manhole.....	607.01	
33 05 84 00-0127 Precast Concrete Manhole Tap (33 05 84 00-0119)		
33 05 84 00-0128 EA 4" Tap In Existing Precast Concrete Manhole.....	554.12	
33 05 84 00-0129 EA 6" Tap In Existing Precast Concrete Manhole.....	621.45	
33 05 84 00-0130 EA 8" Tap In Existing Precast Concrete Manhole.....	693.82	
33 05 84 00-0131 EA 10" Tap In Existing Precast Concrete Manhole.....	759.82	
33 05 84 00-0132 EA 12" Tap In Existing Precast Concrete Manhole.....	825.67	
33 05 84 00-0133 EA 15" Tap In Existing Precast Concrete Manhole.....	893.13	
33 05 97 Identification and Signage for Utilities (33 05)		
33 05 97 23 Utility Identification Warning Tape (33 05 97)		
33 05 97 23-0001 Non-Detectable Utility Warning Tape (33 05 97 23) Note: Labor installation is included with pipe and excavation..		
33 05 97 23-0002 LF 3" Non-Detectable Utility Warning Tape.....	0.02	
33 05 97 23-0003 LF 6" Non-Detectable Utility Warning Tape.....	0.03	
33 05 97 23-0004 Detectable Utility Warning Tape (33 05 97 23) Note: Labor installation is included with pipe and excavation..		
33 05 97 23-0005 LF 2" Detectable Utility Warning Tape	0.02	
33 05 97 23-0006 LF 3" Detectable Utility Warning Tape	0.03	
33 05 97 23-0007 LF 6" Detectable Utility Warning Tape	0.06	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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33 10 Water Utilities ⁽³³⁾

33 11 Groundwater Sources ^(33 10)

33 11 13 Potable Water Supply Wells ^(33 11)

33 11 13 00-0001 Drill And Test Water Well ^(33 11 13)

33 11 13 00-0002 Drill Hole ^(33 11 13 00-0001)

Note: Excludes loading and hauling of spoils.

33 11 13 00-0003 Mobilization And Demobilization ^(33 11 13 00-0002)

33 11 13 00-0004	EA	Up To 12" Diameter, Well Drilling Mobilization And Demobilization.....	725.38
33 11 13 00-0005	EA	>12" To 24" Diameter, Well Drilling Mobilization And Demobilization.....	902.44
33 11 13 00-0006	EA	>24" To 36" Diameter, Well Drilling Mobilization And Demobilization.....	1,353.65

33 11 13 00-0007 Drill Hole In Normal Soil, Sand, Gravel, O.B. ^(33 11 13 00-0002)

Note: Excludes well casing, gravel or materials.

33 11 13 00-0008	LF	6" Water Well Hole Drilled In Normal Soil, Sand, Gravel, O.B.	17.49
		For >100 To 250, Add	0.44
		For >250 To 400, Add	0.87
		For >400 To 600, Add	1.31
		For >600 To 750, Add	1.75
		For >750, Add	2.19
33 11 13 00-0009	LF	8" Water Well Hole Drilled In Normal Soil, Sand, Gravel, O.B.	20.75
		For >100 To 250, Add	0.52
		For >250 To 400, Add	1.04
		For >400 To 600, Add	1.56
		For >600 To 750, Add	2.08
		For >750, Add	2.59
33 11 13 00-0010	LF	10" Water Well Hole Drilled In Normal Soil, Sand, Gravel, O.B.	27.75
		For >100 To 250, Add	0.69
		For >250 To 400, Add	1.39
		For >400 To 600, Add	2.08
		For >600 To 750, Add	2.78
		For >750, Add	3.47
33 11 13 00-0011	LF	12" Water Well Hole Drilled In Normal Soil, Sand, Gravel, O.B.	43.43
		For >100 To 250, Add	1.09
		For >250 To 400, Add	2.17
		For >400 To 600, Add	3.26
		For >600 To 750, Add	4.34
		For >750, Add	5.43
33 11 13 00-0012	LF	14" Water Well Hole Drilled In Normal Soil, Sand, Gravel, O.B.	62.50
		For >100 To 250, Add	1.56
		For >250 To 400, Add	3.13
		For >400 To 600, Add	4.69
		For >600 To 750, Add	6.25
		For >750, Add	7.81
33 11 13 00-0013	LF	16" Water Well Hole Drilled In Normal Soil, Sand, Gravel, O.B.	81.67
		For >100 To 250, Add	2.04
		For >250 To 400, Add	4.08
		For >400 To 600, Add	6.13
		For >600 To 750, Add	8.17
		For >750, Add	10.21
33 11 13 00-0014	LF	18" Water Well Hole Drilled In Normal Soil, Sand, Gravel, O.B.	97.01
		For >100 To 250, Add	2.43
		For >250 To 400, Add	4.85
		For >400 To 600, Add	7.28
		For >600 To 750, Add	9.70
		For >750, Add	12.13
33 11 13 00-0015	LF	20" Water Well Hole Drilled In Normal Soil, Sand, Gravel, O.B.	112.80
		For >100 To 250, Add	2.82
		For >250 To 400, Add	5.64
		For >400 To 600, Add	8.46
		For >600 To 750, Add	11.28
		For >750, Add	14.10
33 11 13 00-0016	LF	22" Water Well Hole Drilled In Normal Soil, Sand, Gravel, O.B.	132.54
		For >100 To 250, Add	3.31
		For >250 To 400, Add	6.63
		For >400 To 600, Add	9.94
		For >600 To 750, Add	13.25
		For >750, Add	16.57
33 11 13 00-0017	LF	24" Water Well Hole Drilled In Normal Soil, Sand, Gravel, O.B.	156.23
		For >100 To 250, Add	3.91
		For >250 To 400, Add	7.81
		For >400 To 600, Add	11.72
		For >600 To 750, Add	15.62
		For >750, Add	19.53
33 11 13 00-0018	LF	26" Water Well Hole Drilled In Normal Soil, Sand, Gravel, O.B.	168.87
		For >100 To 250, Add	4.22
		For >250 To 400, Add	8.44
		For >400 To 600, Add	12.67
		For >600 To 750, Add	16.89
		For >750, Add	21.11

33	Utilities
33 10	Water Utilities
33 11	Groundwater Sources



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 11 13 00-0019 LF 28" Water Well Hole Drilled In Normal Soil, Sand, Gravel, O.B.	185.79	
For >100 To 250, Add	4.64	
For >250 To 400, Add	9.29	
For >400 To 600, Add	13.93	
For >600 To 750, Add	18.58	
For >750, Add	23.22	
33 11 13 00-0020 LF 30" Water Well Hole Drilled In Normal Soil, Sand, Gravel, O.B.	203.50	
For >100 To 250, Add	5.09	
For >250 To 400, Add	10.18	
For >400 To 600, Add	15.26	
For >600 To 750, Add	20.35	
For >750, Add	25.44	
33 11 13 00-0021 LF 36" Water Well Hole Drilled In Normal Soil, Sand, Gravel, O.B.	253.13	
For >100 To 250, Add	6.33	
For >250 To 400, Add	12.66	
For >400 To 600, Add	18.98	
For >600 To 750, Add	25.31	
For >750, Add	31.64	
33 11 13 00-0022 Drill Hole In Sedimentary Rock <small>(33 11 13 00-0002)</small>		
33 11 13 00-0023 LF 6" Water Well Hole Drilled In Sedimentary Rock	35.65	
For >100 To 250, Add	0.89	
For >250 To 400, Add	1.78	
For >400 To 600, Add	2.67	
For >600 To 750, Add	3.57	
For >750, Add	4.46	
33 11 13 00-0024 LF 8" Water Well Hole Drilled In Sedimentary Rock	41.52	
For >100 To 250, Add	1.04	
For >250 To 400, Add	2.08	
For >400 To 600, Add	3.11	
For >600 To 750, Add	4.15	
For >750, Add	5.19	
33 11 13 00-0025 LF 10" Water Well Hole Drilled In Sedimentary Rock	66.47	
For >100 To 250, Add	1.66	
For >250 To 400, Add	3.32	
For >400 To 600, Add	4.99	
For >600 To 750, Add	6.65	
For >750, Add	8.31	
33 11 13 00-0026 LF 12" Water Well Hole Drilled In Sedimentary Rock	86.90	
For >100 To 250, Add	2.17	
For >250 To 400, Add	4.35	
For >400 To 600, Add	6.52	
For >600 To 750, Add	8.69	
For >750, Add	10.86	
33 11 13 00-0027 LF 14" Water Well Hole Drilled In Sedimentary Rock	125.08	
For >100 To 250, Add	3.13	
For >250 To 400, Add	6.25	
For >400 To 600, Add	9.38	
For >600 To 750, Add	12.51	
For >750, Add	15.64	
33 11 13 00-0028 LF 16" Water Well Hole Drilled In Sedimentary Rock	163.25	
For >100 To 250, Add	4.08	
For >250 To 400, Add	8.16	
For >400 To 600, Add	12.24	
For >600 To 750, Add	16.33	
For >750, Add	20.41	
33 11 13 00-0029 LF 18" Water Well Hole Drilled In Sedimentary Rock	194.12	
For >100 To 250, Add	4.85	
For >250 To 400, Add	9.71	
For >400 To 600, Add	14.56	
For >600 To 750, Add	19.41	
For >750, Add	24.27	
33 11 13 00-0030 LF 20" Water Well Hole Drilled In Sedimentary Rock	225.25	
For >100 To 250, Add	5.63	
For >250 To 400, Add	11.26	
For >400 To 600, Add	16.89	
For >600 To 750, Add	22.53	
For >750, Add	28.16	
33 11 13 00-0031 LF 22" Water Well Hole Drilled In Sedimentary Rock	265.32	
For >100 To 250, Add	6.63	
For >250 To 400, Add	13.27	
For >400 To 600, Add	19.90	
For >600 To 750, Add	26.53	
For >750, Add	33.17	
33 11 13 00-0032 LF 24" Water Well Hole Drilled In Sedimentary Rock	306.46	
For >100 To 250, Add	7.66	
For >250 To 400, Add	15.32	
For >400 To 600, Add	22.98	
For >600 To 750, Add	30.65	
For >750, Add	38.31	



Utilities	33	CS
Water Utilities	33 10	
Groundwater Sources	33 11	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 11 13 00-0033 LF 26" Water Well Hole Drilled In Sedimentary Rock	337.74	
For >100 To 250, Add	8.44	
For >250 To 400, Add	16.89	
For >400 To 600, Add	25.33	
For >600 To 750, Add	33.77	
For >750, Add	42.22	
33 11 13 00-0034 LF 28" Water Well Hole Drilled In Sedimentary Rock	371.58	
For >100 To 250, Add	9.29	
For >250 To 400, Add	18.58	
For >400 To 600, Add	27.87	
For >600 To 750, Add	37.16	
For >750, Add	46.45	
33 11 13 00-0035 LF 30" Water Well Hole Drilled In Sedimentary Rock	406.99	
For >100 To 250, Add	10.17	
For >250 To 400, Add	20.35	
For >400 To 600, Add	30.52	
For >600 To 750, Add	40.70	
For >750, Add	50.87	
33 11 13 00-0036 LF 36" Water Well Hole Drilled In Sedimentary Rock	506.27	
For >100 To 250, Add	12.66	
For >250 To 400, Add	25.31	
For >400 To 600, Add	37.97	
For >600 To 750, Add	50.63	
For >750, Add	63.28	
33 11 13 00-0037 Drill Hole In Crystalline Rock (33 11 13 00-0002)		
33 11 13 00-0038 LF 6" Water Well Hole Drilled In Crystalline Rock.....	73.32	
For >100 To 250, Add	1.83	
For >250 To 400, Add	3.67	
For >400 To 600, Add	5.50	
For >600 To 750, Add	7.33	
For >750, Add	9.17	
33 11 13 00-0039 LF 8" Water Well Hole Drilled In Crystalline Rock.....	84.61	
For >100 To 250, Add	2.12	
For >250 To 400, Add	4.23	
For >400 To 600, Add	6.35	
For >600 To 750, Add	8.46	
For >750, Add	10.58	
33 11 13 00-0040 LF 10" Water Well Hole Drilled In Crystalline Rock.....	97.01	
For >100 To 250, Add	2.43	
For >250 To 400, Add	4.85	
For >400 To 600, Add	7.28	
For >600 To 750, Add	9.70	
For >750, Add	12.13	
33 11 13 00-0041 LF 12" Water Well Hole Drilled In Crystalline Rock.....	122.96	
For >100 To 250, Add	3.07	
For >250 To 400, Add	6.15	
For >400 To 600, Add	9.22	
For >600 To 750, Add	12.30	
For >750, Add	15.37	
33 11 13 00-0042 LF 14" Water Well Hole Drilled In Crystalline Rock.....	159.06	
For >100 To 250, Add	3.98	
For >250 To 400, Add	7.95	
For >400 To 600, Add	11.93	
For >600 To 750, Add	15.91	
For >750, Add	19.88	
33 11 13 00-0043 LF 16" Water Well Hole Drilled In Crystalline Rock.....	231.25	
For >100 To 250, Add	5.78	
For >250 To 400, Add	11.56	
For >400 To 600, Add	17.34	
For >600 To 750, Add	23.13	
For >750, Add	28.91	
33 11 13 00-0044 LF 18" Water Well Hole Drilled In Crystalline Rock.....	275.24	
For >100 To 250, Add	6.88	
For >250 To 400, Add	13.76	
For >400 To 600, Add	20.64	
For >600 To 750, Add	27.52	
For >750, Add	34.41	
33 11 13 00-0045 LF 20" Water Well Hole Drilled In Crystalline Rock.....	319.23	
For >100 To 250, Add	7.98	
For >250 To 400, Add	15.96	
For >400 To 600, Add	23.94	
For >600 To 750, Add	31.92	
For >750, Add	39.90	
33 11 13 00-0046 LF 22" Water Well Hole Drilled In Crystalline Rock.....	375.64	
For >100 To 250, Add	9.39	
For >250 To 400, Add	18.78	
For >400 To 600, Add	28.17	
For >600 To 750, Add	37.56	
For >750, Add	46.96	

33	Utilities
33 10	Water Utilities
33 11	Groundwater Sources



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 11 13 00-0047 LF 24" Water Well Hole Drilled In Crystalline Rock.....	434.30	
For >100 To 250, Add	10.86	
For >250 To 400, Add	21.72	
For >400 To 600, Add	32.57	
For >600 To 750, Add	43.43	
For >750, Add	54.29	
33 11 13 00-0048 Furnish And Install Casing (33 11 13 00-0001)		
Note: Excludes drilling of hole.		
33 11 13 00-0049 Steel Well Casing (33 11 13 00-0048)		
33 11 13 00-0050 LF 6" Diameter, Steel Well Casing, Flush.....	25.58	
For >100 To 250, Deduct	-0.82	
For >250 To 400, Deduct	-1.46	
For >400 To 600, Deduct	-2.19	
For >600 To 750, Deduct	-2.92	
For >750, Deduct	-3.88	
33 11 13 00-0051 LF 8" Diameter, Steel Well Casing, Flush.....	31.82	
For >100 To 250, Deduct	-1.02	
For >250 To 400, Deduct	-1.82	
For >400 To 600, Deduct	-2.72	
For >600 To 750, Deduct	-3.63	
For >750, Deduct	-4.83	
33 11 13 00-0052 LF 10" Diameter, Steel Well Casing, Flush.....	46.22	
For >100 To 250, Deduct	-1.43	
For >250 To 400, Deduct	-2.58	
For >400 To 600, Deduct	-3.87	
For >600 To 750, Deduct	-5.16	
For >750, Deduct	-6.81	
33 11 13 00-0053 LF 12" Diameter, Steel Well Casing, Flush.....	75.70	
For >100 To 250, Deduct	-2.22	
For >250 To 400, Deduct	-4.11	
For >400 To 600, Deduct	-6.16	
For >600 To 750, Deduct	-8.22	
For >750, Deduct	-10.70	
33 11 13 00-0054 LF 14" Diameter, Steel Well Casing, Flush.....	86.15	
For >100 To 250, Deduct	-2.60	
For >250 To 400, Deduct	-4.76	
For >400 To 600, Deduct	-7.14	
For >600 To 750, Deduct	-9.52	
For >750, Deduct	-12.48	
33 11 13 00-0055 LF 16" Diameter, Steel Well Casing, Flush.....	101.56	
For >100 To 250, Deduct	-3.10	
For >250 To 400, Deduct	-5.64	
For >400 To 600, Deduct	-8.46	
For >600 To 750, Deduct	-11.27	
For >750, Deduct	-14.82	
33 11 13 00-0056 LF 18" Diameter, Steel Well Casing, Flush.....	116.82	
For >100 To 250, Deduct	-3.62	
For >250 To 400, Deduct	-6.54	
For >400 To 600, Deduct	-9.82	
For >600 To 750, Deduct	-13.09	
For >750, Deduct	-17.28	
33 11 13 00-0057 LF 20" Diameter, Steel Well Casing, Flush.....	134.09	
For >100 To 250, Deduct	-4.22	
For >250 To 400, Deduct	-7.57	
For >400 To 600, Deduct	-11.36	
For >600 To 750, Deduct	-15.14	
For >750, Deduct	-20.05	
33 11 13 00-0058 LF 24" Diameter, Steel Well Casing, Flush.....	156.17	
For >100 To 250, Deduct	-4.88	
For >250 To 400, Deduct	-8.78	
For >400 To 600, Deduct	-13.17	
For >600 To 750, Deduct	-17.56	
For >750, Deduct	-23.22	
33 11 13 00-0059 LB Steel Well Casing, Furnish And Install.....	0.93	
For >100 To 250, Deduct	-0.04	
For >250 To 400, Deduct	-0.06	
For >400 To 600, Deduct	-0.09	
For >600 To 750, Deduct	-0.12	
For >750, Deduct	-0.16	
33 11 13 00-0060 Stainless Steel Well Casing, Flush Threaded (33 11 13 00-0048)		
33 11 13 00-0061 LF 6" Diameter, Stainless Steel Well Casing, Flush.....	56.16	
For >100 To 250, Deduct	-1.58	
For >250 To 400, Deduct	-2.99	
For >400 To 600, Deduct	-4.48	
For >600 To 750, Deduct	-5.98	
For >750, Deduct	-7.70	



Utilities	33	CS
Water Utilities	33 10	
Groundwater Sources	33 11	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 11 13 00-0062 LF 8" Diameter, Stainless Steel Well Casing, Flush	83.96	
For >100 To 250, Deduct	-2.32	
For >250 To 400, Deduct	-4.42	
For >400 To 600, Deduct	-6.64	
For >600 To 750, Deduct	-8.85	
For >750, Deduct	-11.35	
33 11 13 00-0063 LF 10" Diameter, Stainless Steel Well Casing, Flush	117.09	
For >100 To 250, Deduct	-3.22	
For >250 To 400, Deduct	-6.14	
For >400 To 600, Deduct	-9.21	
For >600 To 750, Deduct	-12.29	
For >750, Deduct	-15.73	
33 11 13 00-0064 LF 12" Diameter, Stainless Steel Well Casing, Flush	136.22	
For >100 To 250, Deduct	-3.75	
For >250 To 400, Deduct	-7.15	
For >400 To 600, Deduct	-10.73	
For >600 To 750, Deduct	-14.31	
For >750, Deduct	-18.33	
33 11 13 00-0065 Stainless Steel Well Casing, Welded Ring <small>(33 11 13 00-0048)</small>		
33 11 13 00-0066 LF 10" Diameter, Stainless Steel Well Casing, Welded	125.74	
For >100 To 250, Deduct	-3.65	
For >250 To 400, Deduct	-6.79	
For >400 To 600, Deduct	-10.19	
For >600 To 750, Deduct	-13.58	
For >750, Deduct	-17.64	
33 11 13 00-0067 LF 12" Diameter, Stainless Steel Well Casing, Welded	145.60	
For >100 To 250, Deduct	-4.22	
For >250 To 400, Deduct	-7.86	
For >400 To 600, Deduct	-11.79	
For >600 To 750, Deduct	-15.71	
For >750, Deduct	-20.39	
33 11 13 00-0068 LF 14" Diameter, Stainless Steel Well Casing, Welded	174.61	
For >100 To 250, Deduct	-5.01	
For >250 To 400, Deduct	-9.38	
For >400 To 600, Deduct	-14.07	
For >600 To 750, Deduct	-18.76	
For >750, Deduct	-24.29	
33 11 13 00-0069 LF 16" Diameter, Stainless Steel Well Casing, Welded	199.90	
For >100 To 250, Deduct	-5.74	
For >250 To 400, Deduct	-10.73	
For >400 To 600, Deduct	-16.10	
For >600 To 750, Deduct	-21.47	
For >750, Deduct	-27.80	
33 11 13 00-0070 LF 18" Diameter, Stainless Steel Well Casing, Welded	221.00	
For >100 To 250, Deduct	-6.37	
For >250 To 400, Deduct	-11.90	
For >400 To 600, Deduct	-17.85	
For >600 To 750, Deduct	-23.80	
For >750, Deduct	-30.85	
33 11 13 00-0071 LF 20" Diameter, Stainless Steel Well Casing, Welded	288.74	
For >100 To 250, Deduct	-8.23	
For >250 To 400, Deduct	-15.45	
For >400 To 600, Deduct	-23.17	
For >600 To 750, Deduct	-30.89	
For >750, Deduct	-39.93	
33 11 13 00-0072 LF 24" Diameter, Stainless Steel Well Casing, Welded	379.87	
For >100 To 250, Deduct	-10.76	
For >250 To 400, Deduct	-20.26	
For >400 To 600, Deduct	-30.38	
For >600 To 750, Deduct	-40.51	
For >750, Deduct	-52.28	
33 11 13 00-0073 Polyvinyl Chloride (PVC) Well Casing, Schedule 80 <small>(33 11 13 00-0048)</small>		
33 11 13 00-0074 LF 6" Polyvinyl Chloride (PVC) Well Casing	25.04	
For >100 To 250, Deduct	-0.77	
For >250 To 400, Deduct	-1.40	
For >400 To 600, Deduct	-2.09	
For >600 To 750, Deduct	-2.79	
For >750, Deduct	-3.68	
33 11 13 00-0075 LF 8" Polyvinyl Chloride (PVC) Well Casing	39.72	
For >100 To 250, Deduct	-1.22	
For >250 To 400, Deduct	-2.21	
For >400 To 600, Deduct	-3.32	
For >600 To 750, Deduct	-4.42	
For >750, Deduct	-5.82	
33 11 13 00-0076 LF 10" Polyvinyl Chloride (PVC) Well Casing	60.05	
For >100 To 250, Deduct	-1.84	
For >250 To 400, Deduct	-3.35	
For >400 To 600, Deduct	-5.02	
For >600 To 750, Deduct	-6.69	
For >750, Deduct	-8.81	

33	Utilities
33 10	Water Utilities
33 11	Groundwater Sources



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 11 13 00-0077 LF 12" Polyvinyl Chloride (PVC) Well Casing	71.02	
For >100 To 250, Deduct	-2.19	
For >250 To 400, Deduct	-3.97	
For >400 To 600, Deduct	-5.95	
For >600 To 750, Deduct	-7.93	
For >750, Deduct	-10.45	
33 11 13 00-0078 Furnish And Install Well Screen Assembly (33 11 13 00-0001)		
33 11 13 00-0079 Stainless Steel Well Screen (33 11 13 00-0078)		
33 11 13 00-0080 LF 2" Stainless Steel Well Screen.....	18.48	1.44
For >100 To 250, Deduct	-0.65	
For >250 To 400, Deduct	-1.11	
For >400 To 600, Deduct	-1.66	
For >600 To 750, Deduct	-2.22	
For >750, Deduct	-3.01	
33 11 13 00-0081 LF 3" Stainless Steel Well Screen.....	28.61	1.44
For >100 To 250, Deduct	-0.92	
For >250 To 400, Deduct	-1.63	
For >400 To 600, Deduct	-2.45	
For >600 To 750, Deduct	-3.26	
For >750, Deduct	-4.34	
33 11 13 00-0082 LF 4" Stainless Steel Well Screen.....	35.95	2.17
For >100 To 250, Deduct	-1.15	
For >250 To 400, Deduct	-2.05	
For >400 To 600, Deduct	-3.08	
For >600 To 750, Deduct	-4.10	
For >750, Deduct	-5.45	
33 11 13 00-0083 LF 5" Stainless Steel Well Screen.....	45.31	2.17
For >100 To 250, Deduct	-1.43	
For >250 To 400, Deduct	-2.57	
For >400 To 600, Deduct	-3.85	
For >600 To 750, Deduct	-5.13	
For >750, Deduct	-6.81	
33 11 13 00-0084 LF 6" Stainless Steel Well Screen.....	54.65	2.89
For >100 To 250, Deduct	-1.77	
For >250 To 400, Deduct	-3.13	
For >400 To 600, Deduct	-4.70	
For >600 To 750, Deduct	-6.27	
For >750, Deduct	-8.35	
33 11 13 00-0085 LF 8" Stainless Steel Well Screen.....	71.25	3.61
For >100 To 250, Deduct	-2.29	
For >250 To 400, Deduct	-4.08	
For >400 To 600, Deduct	-6.11	
For >600 To 750, Deduct	-8.15	
For >750, Deduct	-10.85	
33 11 13 00-0086 LF 10" Stainless Steel Well Screen.....	90.72	5.77
For >100 To 250, Deduct	-2.96	
For >250 To 400, Deduct	-5.23	
For >400 To 600, Deduct	-7.84	
For >600 To 750, Deduct	-10.46	
For >750, Deduct	-13.97	
33 11 13 00-0087 LF 12" Stainless Steel Well Screen.....	106.41	7.21
For >100 To 250, Deduct	-3.47	
For >250 To 400, Deduct	-6.13	
For >400 To 600, Deduct	-9.19	
For >600 To 750, Deduct	-12.26	
For >750, Deduct	-16.37	
33 11 13 00-0088 LF 14" Stainless Steel Well Screen.....	117.14	7.94
For >100 To 250, Deduct	-3.86	
For >250 To 400, Deduct	-6.79	
For >400 To 600, Deduct	-10.18	
For >600 To 750, Deduct	-13.57	
For >750, Deduct	-18.18	
33 11 13 00-0089 LF 16" Stainless Steel Well Screen.....	127.09	9.38
For >100 To 250, Deduct	-4.22	
For >250 To 400, Deduct	-7.40	
For >400 To 600, Deduct	-11.10	
For >600 To 750, Deduct	-14.80	
For >750, Deduct	-19.86	
33 11 13 00-0090 LF 18" Stainless Steel Well Screen.....	152.80	10.82
For >100 To 250, Deduct	-5.11	
For >250 To 400, Deduct	-8.93	
For >400 To 600, Deduct	-13.39	
For >600 To 750, Deduct	-17.86	
For >750, Deduct	-24.00	
33 11 13 00-0091 LF 20" Stainless Steel Well Screen.....	192.68	13.70
For >100 To 250, Deduct	-6.44	
For >250 To 400, Deduct	-11.25	
For >400 To 600, Deduct	-16.88	
For >600 To 750, Deduct	-22.51	
For >750, Deduct	-30.24	



Utilities	33	CS
Water Utilities	33 10	
Groundwater Sources	33 11	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 11 13 00-0092 LF 24" Stainless Steel Well Screen.....	250.12	18.04
For >100 To 250, Deduct	-8.38	
For >250 To 400, Deduct	-14.63	
For >400 To 600, Deduct	-21.94	
For >600 To 750, Deduct	-29.26	
For >750, Deduct	-39.33	
33 11 13 00-0093 LF 26" Stainless Steel Well Screen.....	288.10	20.93
For >100 To 250, Deduct	-9.61	
For >250 To 400, Deduct	-16.81	
For >400 To 600, Deduct	-25.22	
For >600 To 750, Deduct	-33.62	
For >750, Deduct	-45.15	
33 11 13 00-0094 Slotted Polyvinyl Chloride (PVC) Well Screen, Schedule 40 <small>(33 11 13 00-0078)</small>		
33 11 13 00-0095 LF 1-1/4" Diameter Slotted Polyvinyl Chloride (PVC) Well Screen	8.48	
For >100 To 250, Deduct	-0.33	
For >250 To 400, Deduct	-0.54	
For >400 To 600, Deduct	-0.81	
For >600 To 750, Deduct	-1.08	
For >750, Deduct	-1.50	
For Schedule 80, Add	1.54	
33 11 13 00-0096 LF 1-1/2" Diameter Slotted Polyvinyl Chloride (PVC) Well Screen	9.55	
For >100 To 250, Deduct	-0.36	
For >250 To 400, Deduct	-0.60	
For >400 To 600, Deduct	-0.90	
For >600 To 750, Deduct	-1.20	
For >750, Deduct	-1.66	
For Schedule 80, Add	1.84	
33 11 13 00-0097 LF 2" Diameter Slotted Polyvinyl Chloride (PVC) Well Screen	14.23	
For >100 To 250, Deduct	-0.58	
For >250 To 400, Deduct	-0.93	
For >400 To 600, Deduct	-1.40	
For >600 To 750, Deduct	-1.87	
For >750, Deduct	-2.62	
For Schedule 80, Add	2.15	
33 11 13 00-0098 LF 3" Diameter Slotted Polyvinyl Chloride (PVC) Well Screen	19.53	
For >100 To 250, Deduct	-0.73	
For >250 To 400, Deduct	-1.22	
For >400 To 600, Deduct	-1.82	
For >600 To 750, Deduct	-2.43	
For >750, Deduct	-3.35	
For Schedule 80, Add	3.99	
33 11 13 00-0099 LF 4" Diameter Slotted Polyvinyl Chloride (PVC) Well Screen	24.59	
For >100 To 250, Deduct	-0.92	
For >250 To 400, Deduct	-1.53	
For >400 To 600, Deduct	-2.30	
For >600 To 750, Deduct	-3.06	
For >750, Deduct	-4.22	
For Schedule 80, Add	5.00	
33 11 13 00-0100 LF 5" Diameter Slotted Polyvinyl Chloride (PVC) Well Screen	30.51	
For >100 To 250, Deduct	-1.12	
For >250 To 400, Deduct	-1.89	
For >400 To 600, Deduct	-2.83	
For >600 To 750, Deduct	-3.77	
For >750, Deduct	-5.18	
For Schedule 80, Add	6.44	
33 11 13 00-0101 LF 6" Diameter Slotted Polyvinyl Chloride (PVC) Well Screen	34.91	
For >100 To 250, Deduct	-1.35	
For >250 To 400, Deduct	-2.23	
For >400 To 600, Deduct	-3.34	
For >600 To 750, Deduct	-4.45	
For >750, Deduct	-6.19	
For Schedule 80, Add	6.29	
33 11 13 00-0102 LF 8" Diameter Slotted Polyvinyl Chloride (PVC) Well Screen	49.09	
For >100 To 250, Deduct	-1.84	
For >250 To 400, Deduct	-3.07	
For >400 To 600, Deduct	-4.60	
For >600 To 750, Deduct	-6.14	
For >750, Deduct	-8.47	
For Schedule 80, Add	9.82	
33 11 13 00-0103 Furnish And Install Gravel Pack Material <small>(33 11 13 00-0001)</small>		
Note: Quantity is based on 3" space between wall and the casing or well screen.		
33 11 13 00-0104 Artificial Gravel Pack <small>(33 11 13 00-0103)</small>		
Note: Excludes casing.		
33 11 13 00-0105 LF Artificial Gravel Pack, 6" Casing, 2" Screen.....	16.90	
For >100 To 250, Deduct	-0.63	
For >250 To 400, Deduct	-1.05	
For >400 To 600, Deduct	-1.58	
For >600 To 750, Deduct	-2.10	
For >750, Deduct	-2.90	

33	Utilities
33 10	Water Utilities
33 11	Groundwater Sources



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 11 13 00-0106	LF		Artificial Gravel Pack, 8" Casing, 2" Screen.....	24.76	
			<i>For >100 To 250, Deduct</i>	-0.94	
			<i>For >250 To 400, Deduct</i>	-1.56	
			<i>For >400 To 600, Deduct</i>	-2.34	
			<i>For >600 To 750, Deduct</i>	-3.13	
			<i>For >750, Deduct</i>	-4.33	
33 11 13 00-0107	LF		Artificial Gravel Pack, 10" Casing, 2" Screen.....	34.18	
			<i>For >100 To 250, Deduct</i>	-1.34	
			<i>For >250 To 400, Deduct</i>	-2.19	
			<i>For >400 To 600, Deduct</i>	-3.29	
			<i>For >600 To 750, Deduct</i>	-4.39	
			<i>For >750, Deduct</i>	-6.11	
33 11 13 00-0108	LF		Artificial Gravel Pack, 12" Casing, 2" Screen.....	44.01	
			<i>For >100 To 250, Deduct</i>	-1.70	
			<i>For >250 To 400, Deduct</i>	-2.80	
			<i>For >400 To 600, Deduct</i>	-4.20	
			<i>For >600 To 750, Deduct</i>	-5.60	
			<i>For >750, Deduct</i>	-7.79	
33 11 13 00-0109	LF		Artificial Gravel Pack, 14" Casing, 2" Screen.....	54.50	
			<i>For >100 To 250, Deduct</i>	-2.08	
			<i>For >250 To 400, Deduct</i>	-3.44	
			<i>For >400 To 600, Deduct</i>	-5.17	
			<i>For >600 To 750, Deduct</i>	-6.89	
			<i>For >750, Deduct</i>	-9.54	
33 11 13 00-0110	LF		Artificial Gravel Pack, 16" Casing, 2" Screen.....	71.01	
			<i>For >100 To 250, Deduct</i>	-2.66	
			<i>For >250 To 400, Deduct</i>	-4.44	
			<i>For >400 To 600, Deduct</i>	-6.66	
			<i>For >600 To 750, Deduct</i>	-8.87	
			<i>For >750, Deduct</i>	-12.24	
33 11 13 00-0111	LF		Artificial Gravel Pack, 18" Casing, 2" Screen.....	81.57	
			<i>For >100 To 250, Deduct</i>	-3.04	
			<i>For >250 To 400, Deduct</i>	-5.08	
			<i>For >400 To 600, Deduct</i>	-7.62	
			<i>For >600 To 750, Deduct</i>	-10.16	
			<i>For >750, Deduct</i>	-14.00	
33 11 13 00-0112	LF		Artificial Gravel Pack, 20" Casing, 2" Screen.....	96.56	
			<i>For >100 To 250, Deduct</i>	-3.64	
			<i>For >250 To 400, Deduct</i>	-6.05	
			<i>For >400 To 600, Deduct</i>	-9.08	
			<i>For >600 To 750, Deduct</i>	-12.10	
			<i>For >750, Deduct</i>	-16.72	
33 11 13 00-0113	LF		Artificial Gravel Pack, 24" Casing, 2" Screen.....	109.03	
			<i>For >100 To 250, Deduct</i>	-4.13	
			<i>For >250 To 400, Deduct</i>	-6.86	
			<i>For >400 To 600, Deduct</i>	-10.28	
			<i>For >600 To 750, Deduct</i>	-13.71	
			<i>For >750, Deduct</i>	-18.96	
33 11 13 00-0114	LF		Artificial Gravel Pack, 26" Casing, 2" Screen.....	117.92	
			<i>For >100 To 250, Deduct</i>	-4.41	
			<i>For >250 To 400, Deduct</i>	-7.36	
			<i>For >400 To 600, Deduct</i>	-11.04	
			<i>For >600 To 750, Deduct</i>	-14.73	
			<i>For >750, Deduct</i>	-20.31	
33 11 13 00-0115	LF		Artificial Gravel Pack, 30" Casing, 2" Screen.....	140.07	
			<i>For >100 To 250, Deduct</i>	-5.31	
			<i>For >250 To 400, Deduct</i>	-8.81	
			<i>For >400 To 600, Deduct</i>	-13.21	
			<i>For >600 To 750, Deduct</i>	-17.62	
			<i>For >750, Deduct</i>	-24.36	
33 11 13 00-0116	LF		Artificial Gravel Pack, 36" Casing, 2" Screen.....	160.93	
			<i>For >100 To 250, Deduct</i>	-6.22	
			<i>For >250 To 400, Deduct</i>	-10.25	
			<i>For >400 To 600, Deduct</i>	-15.37	
			<i>For >600 To 750, Deduct</i>	-20.49	
			<i>For >750, Deduct</i>	-28.48	
33 11 13 00-0117			Develop Well <small>(33 11 13 00-0001)</small>		
			Note: Pump out drilled well to remove debris and fine material remaining from the drilling process. Excludes disposal.		
33 11 13 00-0118	HR		Develop Well.....	255.91	
33 11 13 00-0119			Pump Test <small>(33 11 13 00-0001)</small>		
			Note: To determine water level and GPM flow rate.		
33 11 13 00-0120	HR		Pump Test Well.....	230.04	
33 11 13 00-0121			Test Well <small>(33 11 13 00-0001)</small>		
33 11 13 00-0122	VLF		2-1/2" Diameter Test Well	72.89	
33 11 13 00-0123			Surface Seal, Concrete Filled <small>(33 11 13)</small>		
33 11 13 00-0124	SF		Surface Seal Well, Concrete Filled	25.53	



Utilities	33	CS
Water Utilities	33 10	
Groundwater Sources	33 11	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 11 13 00-0125 Other Water Well <small>(33 11 13)</small>		
33 11 13 00-0126 SF Patch Hole In Well Casing	73.45	
33 11 13 00-0127 SF 1/2" Pressure Grout Well	2.09	
33 11 13 00-0128 SF 1" Pressure Grout Well	3.42	
33 11 13 00-0129 CF Sediment Removal In Well Casing For Existing Well.....	4.51	
33 11 13 00-0130 Sterilization Of Well <small>(33 11 13)</small>		
33 11 13 00-0131 EA Well Sterilization, Chlorine	1,357.05	
33 11 13 00-0132 Submersible Well Pumps <small>(33 11 13)</small>		
Note: Includes pump end, motor and control box.		
33 11 13 00-0133 4" Submersible Well Pumps <small>(33 11 13 00-0132)</small>		
33 11 13 00-0134 Powder Coated Case And Cast Iron Ends <small>(33 11 13 00-0133)</small>		
33 11 13 00-0135 EA 1/2 HP Submersible Well Pump, 4" Diameter Powder Coated Case And Cast Iron Ends	1,242.82	416.19
33 11 13 00-0136 EA 3/4 HP Submersible Well Pump, 4" Diameter Powder Coated Case And Cast Iron Ends	1,417.65	461.30
33 11 13 00-0137 EA 1 HP Submersible Well Pump, 4" Diameter Powder Coated Case And Cast Iron Ends	1,573.31	512.56
33 11 13 00-0138 Stainless Steel Case And Ends <small>(33 11 13 00-0133)</small>		
33 11 13 00-0139 EA 1/2 HP Submersible Well Pump, 4" Diameter Stainless Steel	1,407.85	410.05
33 11 13 00-0140 EA 3/4 HP Submersible Well Pump, 4" Diameter Stainless Steel	1,606.43	461.30
33 11 13 00-0141 EA 1 HP Submersible Well Pump, 4" Diameter Stainless Steel	1,801.63	512.56
33 11 13 00-0142 EA 1-1/2 HP Submersible Well Pump, 4" Diameter Stainless Steel	2,066.91	563.81
33 11 13 00-0143 EA 2 HP Submersible Well Pump, 4" Diameter Stainless Steel	2,342.36	615.07
33 11 13 00-0144 EA 3 HP Submersible Well Pump, 4" Diameter Stainless Steel	2,886.47	717.58
33 11 13 00-0145 EA 5 HP Submersible Well Pump, 4" Diameter Stainless Steel	3,641.94	820.09
33 11 13 00-0146 6" Submersible Well Pumps <small>(33 11 13 00-0132)</small>		
33 11 13 00-0147 EA 5 HP Submersible Well Pump, 6" Diameter Stainless Steel	3,510.58	1,025.11
33 11 13 00-0148 EA 7.5 HP Submersible Well Pump, 6" Diameter Stainless Steel	4,055.69	1,127.63
33 11 13 00-0149 EA 10 HP Submersible Well Pump, 6" Diameter Stainless Steel	4,622.53	1,230.14
33 11 13 00-0150 EA 15 HP Submersible Well Pump, 6" Diameter Stainless Steel	5,843.01	1,435.16
33 14 Water Utility Transmission and Distribution <small>(33 10)</small>		
33 14 11 Water Utility Transmission Piping <small>(33 14)</small>		
See CSI section 33 14 13 00-0000 for water utility transmission piping.		
33 14 13 Public Water Utility Distribution Piping <small>(33 14)</small>		
Note: Piping includes hydrostatic testing, disinfecting and warning tape. Excludes excavation and backfill. See CSI section 31 23 16 00-0000 for excavation, 31 23 16 36-0016 for backfill.		
33 14 13 13 Ductile Iron Public Water Utility Distribution Piping <small>(33 14 13)</small>		
33 14 13 13-0001 Ductile Iron Piping <small>(33 14 13 13)</small>		
33 14 13 13-0002 Mechanical Joint Ductile Iron Piping <small>(33 14 13 13-0001)</small>		
Note: Cement lining and bituminous coating shall conform to ANSI A21.4.		
33 14 13 13-0003 Mechanical Joint Ductile Iron Pipe <small>(33 14 13 13-0002)</small>		
Note: Conforming to ANSI/AWWA C151/A21.51, federal specification WW-P-421D class 50.		
33 14 13 13-0004 LF 4" Mechanical Joint Ductile Iron Pipe.....	36.11	11.25
For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add		
	13.34	
For Cement Mortar Lining (CML), Add		
	1.91	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add		
	1.43	
Note: ANSI/AWWA C151/A21.51		
For >1,000, Deduct		
	-1.81	
For Class 51, Add		
	1.86	
For Class 52, Add		
	4.14	
For Class 53, Add		
	10.85	
For Class 54, Add		
	15.46	
For Class 55, Add		
	17.81	
For Class 56, Add		
	20.12	
33 14 13 13-0005 LF 6" Mechanical Joint Ductile Iron Pipe.....	37.72	11.81
For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add		
	13.90	
For Cement Mortar Lining (CML), Add		
	1.99	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add		
	1.49	
Note: ANSI/AWWA C151/A21.51		
For >1,000, Deduct		
	-1.89	
For Class 51, Add		
	1.94	
For Class 52, Add		
	4.32	
For Class 53, Add		
	11.31	
For Class 54, Add		
	16.11	
For Class 55, Add		
	18.56	
For Class 56, Add		
	20.97	

33 Utilities**33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0006 LF 8" Mechanical Joint Ductile Iron Pipe.....	44.00	12.28
For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	17.78	
For Cement Mortar Lining (CML), Add	2.54	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	1.91	
Note: ANSI/AWWA C151/A21.51		
For >1,000, Deduct	-2.20	
For Class 51, Add	2.42	
For Class 52, Add	5.42	
For Class 53, Add	14.31	
For Class 54, Add	20.40	
For Class 55, Add	23.48	
For Class 56, Add	26.50	
33 14 13 13-0007 LF 10" Mechanical Joint Ductile Iron Pipe.....	60.00	17.79
For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	19.82	
For Cement Mortar Lining (CML), Add	3.30	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	2.48	
Note: ANSI/AWWA C151/A21.51		
For >1,000, Deduct	-3.00	
For Class 51, Add	3.19	
For Class 52, Add	7.12	
For Class 53, Add	18.72	
For Class 54, Add	26.67	
For Class 55, Add	30.71	
For Class 56, Add	34.68	
33 14 13 13-0008 LF 12" Mechanical Joint Ductile Iron Pipe.....	72.16	19.77
For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	21.10	
For Cement Mortar Lining (CML), Add	4.22	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	3.17	
Note: ANSI/AWWA C151/A21.51		
For >1,000, Deduct	-3.61	
For Class 51, Add	4.02	
For Class 52, Add	8.98	
For Class 53, Add	23.74	
For Class 54, Add	33.84	
For Class 55, Add	38.95	
For Class 56, Add	43.96	
33 14 13 13-0009 LF 14" Mechanical Joint Ductile Iron Pipe.....	86.02	22.20
For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	23.03	
For Cement Mortar Lining (CML), Add	5.23	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	3.92	
Note: ANSI/AWWA C151/A21.51		
For >1,000, Deduct	-4.30	
For Class 51, Add	4.94	
For Class 52, Add	11.05	
For Class 53, Add	29.31	
For Class 54, Add	41.79	
For Class 55, Add	48.08	
For Class 56, Add	54.25	
33 14 13 13-0010 LF 16" Mechanical Joint Ductile Iron Pipe.....	97.18	25.43
For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	24.05	
For Cement Mortar Lining (CML), Add	5.87	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	4.40	
Note: ANSI/AWWA C151/A21.51		
For >1,000, Deduct	-4.86	
For Class 51, Add	5.54	
For Class 52, Add	12.41	
For Class 53, Add	32.89	
For Class 54, Add	46.89	
For Class 55, Add	53.95	
For Class 56, Add	60.88	
33 14 13 13-0011 LF 18" Mechanical Joint Ductile Iron Pipe.....	120.17	29.66
For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	30.85	
For Cement Mortar Lining (CML), Add	7.52	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	5.64	
Note: ANSI/AWWA C151/A21.51		
For >1,000, Deduct	-6.01	
For Class 51, Add	7.05	
For Class 52, Add	15.80	
For Class 53, Add	42.01	
For Class 54, Add	59.91	
For Class 55, Add	68.91	
For Class 56, Add	77.74	



Utilities	33	CS
Water Utilities	33 10	
Water Utility Transmission and Distribution	33 14	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0012 LF 20" Mechanical Joint Ductile Iron Pipe.....	136.78	35.59
For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	31.49	
For Cement Mortar Lining (CML), Add	8.29	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	6.21	
Note: ANSI/AWWA C151/A21.51		
For >1,000, Deduct	-6.84	
For Class 51, Add	7.82	
For Class 52, Add	17.51	
For Class 53, Add	46.43	
For Class 54, Add	66.20	
For Class 55, Add	76.16	
For Class 56, Add	85.95	
33 14 13 13-0013 LF 24" Mechanical Joint Ductile Iron Pipe.....	178.61	44.48
For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	34.48	
For Cement Mortar Lining (CML), Add	11.12	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	8.34	
Note: ANSI/AWWA C151/A21.51		
For >1,000, Deduct	-8.93	
For Class 51, Add	10.44	
For Class 52, Add	23.38	
For Class 53, Add	62.12	
For Class 54, Add	88.60	
For Class 55, Add	101.91	
For Class 56, Add	114.99	
33 14 13 13-0014 LF 30" Mechanical Joint Ductile Iron Pipe.....	228.71	47.90
For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	48.61	
For Cement Mortar Lining (CML), Add	15.68	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	11.76	
Note: ANSI/AWWA C151/A21.51		
For >1,000, Deduct	-11.44	
For Class 51, Add	14.43	
For Class 52, Add	32.39	
For Class 53, Add	86.74	
For Class 54, Add	123.78	
For Class 55, Add	142.26	
For Class 56, Add	160.41	
33 14 13 13-0015 LF 36" Mechanical Joint Ductile Iron Pipe.....	272.47	50.87
For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	60.79	
For Cement Mortar Lining (CML), Add	19.61	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	14.71	
Note: ANSI/AWWA C151/A21.51		
For >1,000, Deduct	-13.62	
For Class 51, Add	17.88	
For Class 52, Add	40.17	
For Class 53, Add	107.95	
For Class 54, Add	154.10	
For Class 55, Add	177.04	
For Class 56, Add	199.56	
33 14 13 13-0016 LF 42" Mechanical Joint Ductile Iron Pipe.....	333.49	53.82
For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	78.31	
For Cement Mortar Lining (CML), Add	25.26	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	18.95	
Note: ANSI/AWWA C151/A21.51		
For >1,000, Deduct	-16.67	
For Class 51, Add	22.81	
For Class 52, Add	51.31	
For Class 53, Add	138.41	
For Class 54, Add	197.64	
For Class 55, Add	226.97	
For Class 56, Add	255.77	
33 14 13 13-0017 LF 48" Mechanical Joint Ductile Iron Pipe.....	407.34	56.89
For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	99.81	
For Cement Mortar Lining (CML), Add	32.20	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	24.15	
Note: ANSI/AWWA C151/A21.51		
For >1,000, Deduct	-20.37	
For Class 51, Add	28.85	
For Class 52, Add	64.95	
For Class 53, Add	175.75	
For Class 54, Add	251.03	
For Class 55, Add	288.19	
For Class 56, Add	324.67	
33 14 13 13-0018 Mechanical Joint Ductile Iron 90 Degree Elbow <small>(33 14 13 13-0002)</small>		
33 14 13 13-0019 EA 4" Mechanical Joint Ductile Iron 90 Degree Elbow	123.35	39.90
For Cement Mortar Lining (CML), Add	6.29	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	4.72	
Note: ANSI/AWWA C151/A21.51		

33 Utilities**33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0020 EA 6" Mechanical Joint Ductile Iron 90 Degree Elbow	192.12	58.96
For Cement Mortar Lining (CML), Add	10.29	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	7.71	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0021 EA 8" Mechanical Joint Ductile Iron 90 Degree Elbow	255.60	69.93
For Cement Mortar Lining (CML), Add	14.96	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	11.22	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0022 EA 10" Mechanical Joint Ductile Iron 90 Degree Elbow	357.52	78.90
For Cement Mortar Lining (CML), Add	23.80	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	17.85	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0023 EA 12" Mechanical Joint Ductile Iron 90 Degree Elbow	460.63	92.56
For Cement Mortar Lining (CML), Add	32.05	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	24.03	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0024 EA 14" Mechanical Joint Ductile Iron 90 Degree Elbow	693.59	103.79
For Cement Mortar Lining (CML), Add	53.64	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	40.23	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0025 EA 16" Mechanical Joint Ductile Iron 90 Degree Elbow	908.17	118.62
For Cement Mortar Lining (CML), Add	72.85	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	54.63	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0026 EA 18" Mechanical Joint Ductile Iron 90 Degree Elbow	1,128.77	166.07
For Cement Mortar Lining (CML), Add	87.72	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	65.79	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0027 EA 20" Mechanical Joint Ductile Iron 90 Degree Elbow	1,537.64	207.58
For Cement Mortar Lining (CML), Add	122.32	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	91.74	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0028 EA 24" Mechanical Joint Ductile Iron 90 Degree Elbow	2,244.67	276.42
For Cement Mortar Lining (CML), Add	182.58	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	136.94	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0029 EA 30" Mechanical Joint Ductile Iron 90 Degree Elbow	3,379.25	296.54
For Cement Mortar Lining (CML), Add	293.00	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	219.75	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0030 EA 36" Mechanical Joint Ductile Iron 90 Degree Elbow	5,047.06	307.87
For Cement Mortar Lining (CML), Add	458.07	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	343.55	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0031 EA 42" Mechanical Joint Ductile Iron 90 Degree Elbow	8,394.02	355.85
For Cement Mortar Lining (CML), Add	785.49	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	589.11	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0032 EA 48" Mechanical Joint Ductile Iron 90 Degree Elbow	11,047.28	378.58
For Cement Mortar Lining (CML), Add	1,047.37	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	785.53	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0033 Mechanical Joint Ductile Iron 45 Degree Elbow (33 14 13 13-0002)		
33 14 13 13-0034 EA 4" Mechanical Joint Ductile Iron 45 Degree Elbow	112.30	39.90
For Cement Mortar Lining (CML), Add	5.19	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	3.89	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0035 EA 6" Mechanical Joint Ductile Iron 45 Degree Elbow	172.57	58.96
For Cement Mortar Lining (CML), Add	8.33	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	6.25	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0036 EA 8" Mechanical Joint Ductile Iron 45 Degree Elbow	227.55	69.93
For Cement Mortar Lining (CML), Add	12.16	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	9.12	
Note: ANSI/AWWA C151/A21.51		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0037 EA 10" Mechanical Joint Ductile Iron 45 Degree Elbow <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	297.17 17.77 13.32	78.90
33 14 13 13-0038 EA 12" Mechanical Joint Ductile Iron 45 Degree Elbow <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	405.38 26.52 19.89	92.56
33 14 13 13-0039 EA 14" Mechanical Joint Ductile Iron 45 Degree Elbow <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	574.59 41.74 31.30	103.79
33 14 13 13-0040 EA 16" Mechanical Joint Ductile Iron 45 Degree Elbow <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	699.92 52.02 39.02	118.62
33 14 13 13-0041 EA 18" Mechanical Joint Ductile Iron 45 Degree Elbow <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	997.87 74.63 55.97	166.07
33 14 13 13-0042 EA 20" Mechanical Joint Ductile Iron 45 Degree Elbow <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	1,111.79 79.73 59.80	207.58
33 14 13 13-0043 EA 24" Mechanical Joint Ductile Iron 45 Degree Elbow <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	1,630.12 121.13 90.84	276.42
33 14 13 13-0044 EA 30" Mechanical Joint Ductile Iron 45 Degree Elbow <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	2,910.05 246.08 184.56	296.54
33 14 13 13-0045 EA 36" Mechanical Joint Ductile Iron 45 Degree Elbow <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	4,064.46 359.81 269.85	307.87
33 14 13 13-0046 EA 42" Mechanical Joint Ductile Iron 45 Degree Elbow <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	6,067.57 552.84 414.63	355.85
33 14 13 13-0047 EA 48" Mechanical Joint Ductile Iron 45 Degree Elbow <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	7,818.13 724.46 543.34	378.58
33 14 13 13-0048 Mechanical Joint Ductile Iron 22-1/2 Degree Elbow <small>(33 14 13 13-0002)</small>		
33 14 13 13-0049 EA 4" Mechanical Joint Ductile Iron 22-1/2 Degree Elbow <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	109.75 4.93 3.70	39.90
33 14 13 13-0050 EA 6" Mechanical Joint Ductile Iron 22-1/2 Degree Elbow <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	165.77 7.65 5.74	58.96
33 14 13 13-0051 EA 8" Mechanical Joint Ductile Iron 22-1/2 Degree Elbow <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	225.00 11.90 8.93	69.93
33 14 13 13-0052 EA 10" Mechanical Joint Ductile Iron 22-1/2 Degree Elbow <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	296.32 17.68 13.26	78.90
33 14 13 13-0053 EA 12" Mechanical Joint Ductile Iron 22-1/2 Degree Elbow <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	372.23 23.21 17.40	92.56

33 Utilities**33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0054 EA 14" Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	579.69	103.79
For Cement Mortar Lining (CML), Add	42.25	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	31.68	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0055 EA 16" Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	678.67	118.62
For Cement Mortar Lining (CML), Add	49.90	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	37.42	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0056 EA 18" Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	864.42	166.07
For Cement Mortar Lining (CML), Add	61.29	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	45.96	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0057 EA 20" Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	1,147.49	207.58
For Cement Mortar Lining (CML), Add	83.30	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	62.48	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0058 EA 24" Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	1,536.62	276.42
For Cement Mortar Lining (CML), Add	111.78	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	83.83	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0059 EA 30" Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	2,511.40	296.54
For Cement Mortar Lining (CML), Add	206.21	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	154.66	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0060 EA 36" Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	3,489.01	307.87
For Cement Mortar Lining (CML), Add	302.26	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	226.70	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0061 EA 42" Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	5,102.82	355.85
For Cement Mortar Lining (CML), Add	456.37	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	342.27	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0062 EA 48" Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	6,515.93	378.58
For Cement Mortar Lining (CML), Add	594.24	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	445.68	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0063 Mechanical Joint Ductile Iron 11-1/4 Degree Elbow <small>(33 14 13 13-0002)</small>		
33 14 13 13-0064 EA 4" Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	107.20	39.90
For Cement Mortar Lining (CML), Add	4.68	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	3.51	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0065 EA 6" Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	168.32	58.96
For Cement Mortar Lining (CML), Add	7.91	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	5.93	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0066 EA 8" Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	213.95	69.93
For Cement Mortar Lining (CML), Add	10.80	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	8.10	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0067 EA 10" Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	294.62	78.90
For Cement Mortar Lining (CML), Add	17.51	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	13.13	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0068 EA 12" Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	357.78	92.56
For Cement Mortar Lining (CML), Add	21.76	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	16.32	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0069 EA 14" Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	639.19	103.79
For Cement Mortar Lining (CML), Add	48.20	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	36.15	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0070 EA 16" Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	707.57	118.62
For Cement Mortar Lining (CML), Add	52.79	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	39.59	
Note: ANSI/AWWA C151/A21.51		



Utilities	33	CS
Water Utilities	33 10	
Water Utility Transmission and Distribution	33 14	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0071 EA 18" Mechanical Joint Ductile Iron 11-1/4 Degree Elbow <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	1,025.92 77.44 58.08	166.07
33 14 13 13-0072 EA 20" Mechanical Joint Ductile Iron 11-1/4 Degree Elbow <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	1,099.04 78.46 58.84	207.58
33 14 13 13-0073 EA 24" Mechanical Joint Ductile Iron 11-1/4 Degree Elbow <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	1,465.22 104.64 78.48	276.42
33 14 13 13-0074 EA 30" Mechanical Joint Ductile Iron 11-1/4 Degree Elbow <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	2,548.80 209.95 157.46	296.54
33 14 13 13-0075 EA 36" Mechanical Joint Ductile Iron 11-1/4 Degree Elbow <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	3,336.01 286.96 215.22	307.87
33 14 13 13-0076 EA 42" Mechanical Joint Ductile Iron 11-1/4 Degree Elbow <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	4,894.57 435.54 326.66	355.85
33 14 13 13-0077 EA 48" Mechanical Joint Ductile Iron 11-1/4 Degree Elbow <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	6,475.13 590.16 442.62	378.58
33 14 13 13-0078 Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow <small>(33 14 13 13-0002)</small>		
33 14 13 13-0079 EA 4" Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	135.25 7.48 5.61	39.90
33 14 13 13-0080 EA 6" Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	213.37 12.41 9.31	58.96
33 14 13 13-0081 EA 8" Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	283.65 17.77 13.32	69.93
33 14 13 13-0082 EA 10" Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	398.32 27.88 20.91	78.90
33 14 13 13-0083 EA 12" Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	504.83 36.47 27.35	92.56
33 14 13 13-0084 EA 14" Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	835.54 67.83 50.87	103.79
33 14 13 13-0085 EA 16" Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	1,254.12 107.44 80.58	118.62
33 14 13 13-0086 EA 18" Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	1,472.17 122.06 91.55	166.07
33 14 13 13-0087 EA 20" Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	1,989.84 167.54 125.65	207.58

33 Utilities**33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0088 EA 24" Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	2,431.67 201.28 150.96	276.42
33 14 13 13-0089 EA 30" Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	4,412.85 396.36 297.27	296.54
33 14 13 13-0090 EA 36" Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	7,770.46 730.41 547.80	307.87
33 14 13 13-0091 Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow <small>(33 14 13 13-0002)</small>		
33 14 13 13-0092 EA 4" Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	114.85 5.44 4.08	39.90
33 14 13 13-0093 EA 8" Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	181.92 9.27 6.95	58.96
33 14 13 13-0094 EA 8" Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	254.75 14.88 11.16	69.93
33 14 13 13-0095 EA 10" Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	340.52 22.10 16.58	78.90
33 14 13 13-0096 EA 12" Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	454.68 31.45 23.59	92.56
33 14 13 13-0097 EA 14" Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	746.29 58.91 44.18	103.79
33 14 13 13-0098 EA 16" Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	1,113.87 93.42 70.06	118.62
33 14 13 13-0099 EA 18" Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	1,330.22 107.87 80.90	166.07
33 14 13 13-0100 EA 20" Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	1,722.94 140.85 105.63	207.58
33 14 13 13-0101 EA 24" Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	2,174.12 175.53 131.64	276.42
33 14 13 13-0102 EA 30" Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	3,896.90 344.76 258.57	296.54
33 14 13 13-0103 EA 36" Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	6,821.01 635.46 476.60	307.87

33 14 13 13-0104 Mechanical Joint Ductile Iron Tee (33 14 13 13-0002)



	Utilities	33
	Water Utilities	33 10
	Water Utility Transmission and Distribution	33 14

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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0105 EA 4" x 4" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	171.72 8.25 6.18	58.96
33 14 13 13-0106 EA 6" x 4" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	255.71 13.86 10.39	77.33
33 14 13 13-0107 EA 6" x 6" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	279.86 14.88 11.16	86.57
33 14 13 13-0108 EA 8" x 4" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	296.43 16.07 12.05	89.62
33 14 13 13-0109 EA 8" x 6" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	335.03 18.53 13.90	98.83
33 14 13 13-0110 EA 8" x 8" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	382.59 22.36 16.77	104.99
33 14 13 13-0111 EA 10" x 4" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	395.07 24.65 18.49	98.06
33 14 13 13-0112 EA 10" x 6" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	400.90 23.89 17.91	106.95
33 14 13 13-0113 EA 10" x 8" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	450.70 27.97 20.97	112.88
33 14 13 13-0114 EA 10" x 10" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	499.32 31.96 23.97	118.62
33 14 13 13-0115 EA 12" x 4" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	468.29 30.18 22.63	109.92
33 14 13 13-0116 EA 12" x 6" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	528.51 34.85 26.14	118.81
33 14 13 13-0117 EA 12" x 8" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	636.96 44.80 33.60	124.75
33 14 13 13-0118 EA 12" x 10" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	680.48 48.28 36.21	130.48
33 14 13 13-0119 EA 12" x 12" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	652.92 44.63 33.47	136.41
33 14 13 13-0120 EA 14" x 6" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	692.55 48.28 36.21	138.44
33 14 13 13-0121 EA 14" x 8" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	765.30 54.66 40.99	144.38

33 Utilities**33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0122 EA 14" x 10" Mechanical Joint Ductile Iron Tee..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	957.58 73.02 54.76	150.11
33 14 13 13-0123 EA 14" x 12" Mechanical Joint Ductile Iron Tee..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	1,020.97 78.46 58.84	156.04
33 14 13 13-0124 EA 14" x 14" Mechanical Joint Ductile Iron Tee..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	994.19 74.29 55.72	165.88
33 14 13 13-0125 EA 16" x 6" Mechanical Joint Ductile Iron Tee..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	874.57 62.31 46.73	166.05
33 14 13 13-0126 EA 16" x 8" Mechanical Joint Ductile Iron Tee..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	937.20 67.66 50.75	172.00
33 14 13 13-0127 EA 16" x 10" Mechanical Joint Ductile Iron Tee..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	1,078.48 80.92 60.69	177.72
33 14 13 13-0128 EA 16" x 12" Mechanical Joint Ductile Iron Tee..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	1,174.17 89.59 67.19	183.65
33 14 13 13-0129 EA 16" x 14" Mechanical Joint Ductile Iron Tee..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	1,397.28 110.42 82.81	193.47
33 14 13 13-0130 EA 16" x 16" Mechanical Joint Ductile Iron Tee..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	1,334.90 102.09 76.56	207.31
33 14 13 13-0131 EA 18" x 6" Mechanical Joint Ductile Iron Tee..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	1,204.30 88.23 66.17	212.52
33 14 13 13-0132 EA 18" x 8" Mechanical Joint Ductile Iron Tee..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	1,286.39 95.54 71.66	218.45
33 14 13 13-0133 EA 18" x 10" Mechanical Joint Ductile Iron Tee..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	1,385.18 104.55 78.41	224.19
33 14 13 13-0134 EA 18" x 12" Mechanical Joint Ductile Iron Tee..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	1,483.41 113.48 85.11	230.12
33 14 13 13-0135 EA 18" x 14" Mechanical Joint Ductile Iron Tee..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	1,528.03 116.45 87.34	239.93
33 14 13 13-0136 EA 18" x 16" Mechanical Joint Ductile Iron Tee..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	1,629.70 124.53 93.39	253.74
33 14 13 13-0137 EA 18" x 18" Mechanical Joint Ductile Iron Tee..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	1,896.95 147.73 110.80	276.96
33 14 13 13-0138 EA 20" x 6" Mechanical Joint Ductile Iron Tee..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	1,454.55 99.28 74.46	304.75



	Utilities	33	
	Water Utilities	33 10	CS
	Water Utility Transmission and Distribution	33 14	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0139 EA 20" x 8" Mechanical Joint Ductile Iron Tee..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	1,485.65 101.49 76.12	310.69
33 14 13 13-0140 EA 20" x 10" Mechanical Joint Ductile Iron Tee..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	1,605.67 112.63 84.47	316.42
33 14 13 13-0141 EA 20" x 12" Mechanical Joint Ductile Iron Tee..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	1,725.16 123.68 92.76	322.34
33 14 13 13-0142 EA 20" x 14" Mechanical Joint Ductile Iron Tee..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	1,749.39 124.61 93.46	332.16
33 14 13 13-0143 EA 20" x 16" Mechanical Joint Ductile Iron Tee..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	1,780.50 125.63 94.22	345.97
33 14 13 13-0144 EA 20" x 18" Mechanical Joint Ductile Iron Tee..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	2,199.90 164.05 123.04	369.20
33 14 13 13-0145 EA 20" x 20" Mechanical Joint Ductile Iron Tee..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	1,990.98 136.17 102.13	415.34
33 14 13 13-0146 EA 24" x 6" Mechanical Joint Ductile Iron Tee..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	1,795.33 119.43 89.57	396.70
33 14 13 13-0147 EA 24" x 8" Mechanical Joint Ductile Iron Tee..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	1,819.61 120.96 90.72	403.21
33 14 13 13-0148 EA 24" x 10" Mechanical Joint Ductile Iron Tee..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	1,984.70 136.60 102.45	408.38
33 14 13 13-0149 EA 24" x 12" Mechanical Joint Ductile Iron Tee..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	2,031.92 140.42 105.32	414.31
33 14 13 13-0150 EA 24" x 14" Mechanical Joint Ductile Iron Tee..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	2,262.70 162.01 121.51	424.12
33 14 13 13-0151 EA 24" x 16" Mechanical Joint Ductile Iron Tee..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	2,432.38 176.89 132.66	437.92
33 14 13 13-0152 EA 24" x 18" Mechanical Joint Ductile Iron Tee..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	2,742.98 204.43 153.32	461.16
33 14 13 13-0153 EA 24" x 20" Mechanical Joint Ductile Iron Tee..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	3,038.10 226.95 170.21	507.27
33 14 13 13-0154 EA 24" x 24" Mechanical Joint Ductile Iron Tee..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	2,859.56 202.13 151.60	553.27
33 14 13 13-0155 EA 30" x 8" Mechanical Joint Ductile Iron Tee..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	2,989.62 228.06 171.04	467.99

33 Utilities**33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0156 EA 30" x 10" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	3,138.55 242.08 181.56	473.71
33 14 13 13-0157 EA 30" x 12" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	3,287.79 256.11 192.08	479.64
33 14 13 13-0158 EA 30" x 14" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	3,501.55 276.00 207.00	489.46
33 14 13 13-0159 EA 30" x 16" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	3,734.97 297.25 222.93	651.23
33 14 13 13-0160 EA 30" x 18" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	3,841.57 304.39 228.29	526.50
33 14 13 13-0161 EA 30" x 20" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	4,010.90 314.33 235.75	572.62
33 14 13 13-0162 EA 30" x 24" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	4,224.21 328.70 246.52	618.59
33 14 13 13-0163 EA 30" x 30" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	5,224.01 423.73 317.79	651.23
33 14 13 13-0164 EA 30" x 6" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	3,109.82 240.98 180.73	462.05
33 14 13 13-0165 EA 36" x 8" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	3,623.89 283.73 212.80	519.15
33 14 13 13-0166 EA 36" x 10" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	4,001.47 320.62 240.47	524.88
33 14 13 13-0167 EA 36" x 12" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	4,207.66 340.34 255.26	530.81
33 14 13 13-0168 EA 36" x 14" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	4,359.37 354.03 265.52	540.62
33 14 13 13-0169 EA 36" x 16" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	4,515.45 367.54 275.66	554.43
33 14 13 13-0170 EA 36" x 18" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	4,812.45 393.72 295.29	577.66
33 14 13 13-0171 EA 36" x 20" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	5,144.97 419.99 314.99	623.78
33 14 13 13-0172 EA 36" x 24" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	5,680.43 466.57 349.92	669.75



Utilities	33	CS
Water Utilities	33 10	
Water Utility Transmission and Distribution	33 14	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0173 EA 36" x 30" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	6,257.79 519.35 389.51	728.06
33 14 13 13-0174 EA 36" x 36" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	7,252.79 614.98 461.23	728.06
33 14 13 13-0175 EA 42" x 12" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	8,001.19 715.36 536.52	559.40
33 14 13 13-0176 EA 42" x 14" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	8,160.56 729.81 547.36	569.22
33 14 13 13-0177 EA 42" x 16" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	9,040.83 815.75 611.81	583.03
33 14 13 13-0178 EA 42" x 18" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	8,489.53 757.10 567.82	606.25
33 14 13 13-0179 EA 42" x 20" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	8,559.40 757.10 567.82	652.39
33 14 13 13-0180 EA 42" x 24" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	8,767.61 770.95 578.21	698.36
33 14 13 13-0181 EA 42" x 30" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	10,564.72 945.71 709.28	731.02
33 14 13 13-0182 EA 42" x 36" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	11,000.42 985.41 739.05	756.61
33 14 13 13-0183 EA 42" x 42" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	11,619.64 1,045.16 783.87	770.92
33 14 13 13-0184 EA 48" x 12" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	9,395.38 847.88 635.91	604.98
33 14 13 13-0185 EA 48" x 14" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	9,563.26 863.18 647.38	614.79
33 14 13 13-0186 EA 48" x 16" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	9,800.93 884.85 663.64	628.61
33 14 13 13-0187 EA 48" x 18" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	10,052.03 906.44 679.83	651.83
33 14 13 13-0188 EA 48" x 20" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	10,338.65 928.12 696.09	697.95
33 14 13 13-0189 EA 48" x 24" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	10,437.21 931.01 698.25	743.92

33 Utilities**33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0190 EA 48" x 30" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	12,627.87 1,145.12 858.84	776.59
33 14 13 13-0191 EA 48" x 36" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	14,349.63 1,313.42 985.07	802.18
33 14 13 13-0192 EA 48" x 42" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	15,037.69 1,380.06 1,035.05	816.48
33 14 13 13-0193 EA 48" x 48" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	15,294.07 1,402.25 1,051.68	839.30
33 14 13 13-0194 Mechanical Joint Ductile Iron Wye (Laterals) <small>(33 14 13 13-0002)</small>		
33 14 13 13-0195 EA 4" x 4" Mechanical Joint Ductile Iron Wye (Lateral) For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	224.42 13.52 10.14	58.92
33 14 13 13-0196 EA 6" x 4" Mechanical Joint Ductile Iron Wye (Lateral) For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	256.56 13.94 10.46	77.33
33 14 13 13-0197 EA 6" x 6" Mechanical Joint Ductile Iron Wye (Lateral) For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	335.11 20.40 15.30	86.53
33 14 13 13-0198 EA 8" x 4" Mechanical Joint Ductile Iron Wye (Lateral) For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	417.13 28.14 21.10	89.62
33 14 13 13-0199 EA 8" x 6" Mechanical Joint Ductile Iron Wye (Lateral) For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	385.18 23.55 17.66	98.83
33 14 13 13-0200 EA 8" x 8" Mechanical Joint Ductile Iron Wye (Lateral) For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	456.54 29.75 22.31	104.96
33 14 13 13-0201 EA 10" x 4" Mechanical Joint Ductile Iron Wye (Lateral) For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	622.02 47.35 35.51	98.06
33 14 13 13-0202 EA 10" x 6" Mechanical Joint Ductile Iron Wye (Lateral) For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	660.15 49.81 37.36	106.95
33 14 13 13-0203 EA 10" x 8" Mechanical Joint Ductile Iron Wye (Lateral) For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	752.45 58.14 43.61	112.88
33 14 13 13-0204 EA 10" x 10" Mechanical Joint Ductile Iron Wye (Lateral) For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	841.87 66.22 49.66	118.62
33 14 13 13-0205 EA 12" x 4" Mechanical Joint Ductile Iron Wye (Lateral) For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	784.49 61.80 46.35	109.92
33 14 13 13-0206 EA 12" x 6" Mechanical Joint Ductile Iron Wye (Lateral) For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	883.81 70.38 52.79	118.81



	Utilities	33
	Water Utilities	33 10
	Water Utility Transmission and Distribution	33 14

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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0207 EA 12" x 8" Mechanical Joint Ductile Iron Wye (Lateral) For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,053.46 86.45 64.83	124.75
33 14 13 13-0208 EA 12" x 10" Mechanical Joint Ductile Iron Wye (Lateral) For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,085.08 88.74 66.56	130.48
33 14 13 13-0209 EA 12" x 12" Mechanical Joint Ductile Iron Wye (Lateral) For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	994.62 78.80 59.10	136.40
33 14 13 13-0210 EA 14" x 6" Mechanical Joint Ductile Iron Wye (Lateral) For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,158.35 94.86 71.15	138.44
33 14 13 13-0211 EA 14" x 8" Mechanical Joint Ductile Iron Wye (Lateral) For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,316.95 109.82 82.37	144.38
33 14 13 13-0212 EA 14" x 10" Mechanical Joint Ductile Iron Wye (Lateral) For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,695.38 146.80 110.10	150.11
33 14 13 13-0213 EA 14" x 12" Mechanical Joint Ductile Iron Wye (Lateral) For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,813.17 157.68 118.26	156.04
33 14 13 13-0214 EA 14" x 14" Mechanical Joint Ductile Iron Wye (Lateral) For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,780.44 152.92 114.69	165.85
33 14 13 13-0215 EA 16" x 6" Mechanical Joint Ductile Iron Wye (Lateral) For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,205.30 95.37 71.53	166.05
33 14 13 13-0216 EA 16" x 8" Mechanical Joint Ductile Iron Wye (Lateral) For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,319.70 105.91 79.43	172.00
33 14 13 13-0217 EA 16" x 10" Mechanical Joint Ductile Iron Wye (Lateral) For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,540.03 127.08 95.31	177.72
33 14 13 13-0218 EA 16" x 12" Mechanical Joint Ductile Iron Wye (Lateral) For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,713.07 143.48 107.61	183.65
33 14 13 13-0219 EA 16" x 14" Mechanical Joint Ductile Iron Wye (Lateral) For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	2,120.63 182.75 137.06	193.47
33 14 13 13-0220 EA 16" x 16" Mechanical Joint Ductile Iron Wye (Lateral) For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	2,058.25 174.42 130.82	207.27
33 14 13 13-0221 EA 18" x 6" Mechanical Joint Ductile Iron Wye (Lateral) For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,866.45 154.45 115.83	212.52
33 14 13 13-0222 EA 18" x 8" Mechanical Joint Ductile Iron Wye (Lateral) For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	2,002.94 167.20 125.40	218.45
33 14 13 13-0223 EA 18" x 10" Mechanical Joint Ductile Iron Wye (Lateral) For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	2,134.88 179.52 134.64	224.19

33 Utilities**33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0224 EA 18" x 12" Mechanical Joint Ductile Iron Wye (Lateral) For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	2,278.16 192.95 144.71	230.12
33 14 13 13-0225 EA 18" x 14" Mechanical Joint Ductile Iron Wye (Lateral) For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	2,308.33 194.48 145.86	239.93
33 14 13 13-0226 EA 18" x 16" Mechanical Joint Ductile Iron Wye (Lateral) For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	2,339.45 195.50 146.63	253.74
33 14 13 13-0227 EA 18" x 18" Mechanical Joint Ductile Iron Wye (Lateral) For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	2,168.95 174.93 131.20	276.97
33 14 13 13-0228 EA 20" x 6" Mechanical Joint Ductile Iron Wye (Lateral) For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	2,248.45 178.67 134.00	304.75
33 14 13 13-0229 EA 20" x 8" Mechanical Joint Ductile Iron Wye (Lateral) For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	2,297.40 182.67 137.00	310.69
33 14 13 13-0230 EA 20" x 10" Mechanical Joint Ductile Iron Wye (Lateral) For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	2,506.67 202.73 152.04	316.42
33 14 13 13-0231 EA 20" x 12" Mechanical Joint Ductile Iron Wye (Lateral) For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	2,714.56 222.62 166.96	322.34
33 14 13 13-0232 EA 20" x 14" Mechanical Joint Ductile Iron Wye (Lateral) For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	2,746.44 224.32 168.24	332.16
33 14 13 13-0233 EA 20" x 16" Mechanical Joint Ductile Iron Wye (Lateral) For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	2,785.20 226.10 169.58	345.97
33 14 13 13-0234 EA 20" x 18" Mechanical Joint Ductile Iron Wye (Lateral) For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	3,206.30 264.69 198.52	369.20
33 14 13 13-0235 EA 20" x 20" Mechanical Joint Ductile Iron Wye (Lateral) For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	3,080.68 245.14 183.86	415.32
33 14 13 13-0236 EA 24" x 6" Mechanical Joint Ductile Iron Wye (Lateral) For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	2,750.73 214.97 161.22	396.70
33 14 13 13-0237 EA 24" x 8" Mechanical Joint Ductile Iron Wye (Lateral) For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	2,786.91 217.69 163.26	402.64
33 14 13 13-0238 EA 24" x 10" Mechanical Joint Ductile Iron Wye (Lateral) For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	3,076.95 245.82 184.37	408.38
33 14 13 13-0239 EA 24" x 12" Mechanical Joint Ductile Iron Wye (Lateral) For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	3,211.72 258.40 193.80	414.31
33 14 13 13-0240 EA 24" x 14" Mechanical Joint Ductile Iron Wye (Lateral) For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	3,672.00 302.94 227.21	424.12



	Utilities	33
	Water Utilities	33 10
	Water Utility Transmission and Distribution	33 14

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0241 EA 24" x 16" Mechanical Joint Ductile Iron Wye (Lateral) For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	4,057.58 339.41 254.55	437.92
33 14 13 13-0242 EA 24" x 18" Mechanical Joint Ductile Iron Wye (Lateral) For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	4,521.18 382.25 286.68	461.16
33 14 13 13-0243 EA 24" x 20" Mechanical Joint Ductile Iron Wye (Lateral) For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	4,967.60 419.90 314.93	507.27
33 14 13 13-0244 EA 24" x 24" Mechanical Joint Ductile Iron Wye (Lateral) For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	4,476.26 363.80 272.85	553.24
33 14 13 13-0245 EA 30" x 6" Mechanical Joint Ductile Iron Wye (Lateral) For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	5,442.22 474.22 355.66	462.05
33 14 13 13-0246 EA 30" x 8" Mechanical Joint Ductile Iron Wye (Lateral) For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	6,068.32 535.93 401.94	467.99
33 14 13 13-0247 EA 30" x 10" Mechanical Joint Ductile Iron Wye (Lateral) For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	6,406.80 568.91 426.68	473.71
33 14 13 13-0248 EA 30" x 12" Mechanical Joint Ductile Iron Wye (Lateral) For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	6,745.59 601.89 451.41	479.64
33 14 13 13-0249 EA 30" x 14" Mechanical Joint Ductile Iron Wye (Lateral) For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	7,227.10 648.55 486.41	489.46
33 14 13 13-0250 EA 30" x 16" Mechanical Joint Ductile Iron Wye (Lateral) For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	7,747.82 698.53 523.90	503.26
33 14 13 13-0251 EA 30" x 18" Mechanical Joint Ductile Iron Wye (Lateral) For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	7,950.47 715.28 536.46	526.50
33 14 13 13-0252 EA 30" x 20" Mechanical Joint Ductile Iron Wye (Lateral) For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	8,254.10 738.65 553.99	572.62
33 14 13 13-0253 EA 30" x 24" Mechanical Joint Ductile Iron Wye (Lateral) For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	8,661.21 772.40 579.30	618.59
33 14 13 13-0254 EA 30" x 30" Mechanical Joint Ductile Iron Wye (Lateral) For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	9,374.56 838.78 629.09	651.27
33 14 13 13-0255 EA 36" x 12" Mechanical Joint Ductile Iron Wye (Lateral) For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	10,163.61 935.94 701.95	530.81
33 14 13 13-0256 EA 36" x 14" Mechanical Joint Ductile Iron Wye (Lateral) For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	10,555.02 973.59 730.19	540.62
33 14 13 13-0257 EA 36" x 16" Mechanical Joint Ductile Iron Wye (Lateral) For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	10,947.40 1,010.74 758.05	554.43

33 Utilities**33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0258 EA 36" x 18" Mechanical Joint Ductile Iron Wye (Lateral) For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	11,702.55 1,082.73 812.05	577.66
33 14 13 13-0259 EA 36" x 20" Mechanical Joint Ductile Iron Wye (Lateral) For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	12,494.92 1,154.98 866.24	623.78
33 14 13 13-0260 EA 36" x 24" Mechanical Joint Ductile Iron Wye (Lateral) For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	13,845.53 1,283.08 962.31	669.75
33 14 13 13-0261 EA 36" x 30" Mechanical Joint Ductile Iron Wye (Lateral) For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	15,478.59 1,441.43 1,081.07	702.43
33 14 13 13-0262 EA 36" x 36" Mechanical Joint Ductile Iron Wye (Lateral) For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	18,399.69 1,729.67 1,297.25	728.01
33 14 13 13-0263 EA 42" x 20" Mechanical Joint Ductile Iron Wye (Lateral) For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	16,198.35 1,520.99 1,140.74	652.39
33 14 13 13-0264 EA 42" x 24" Mechanical Joint Ductile Iron Wye (Lateral) For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	16,622.46 1,556.44 1,167.33	698.36
33 14 13 13-0265 EA 42" x 30" Mechanical Joint Ductile Iron Wye (Lateral) For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	17,746.37 1,663.88 1,247.91	731.02
33 14 13 13-0266 EA 42" x 36" Mechanical Joint Ductile Iron Wye (Lateral) For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	20,241.62 1,909.53 1,432.14	756.61
33 14 13 13-0267 EA 42" x 42" Mechanical Joint Ductile Iron Wye (Lateral) For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	23,794.19 2,262.62 1,696.96	770.91
33 14 13 13-0268 EA 48" x 20" Mechanical Joint Ductile Iron Wye (Lateral) For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	16,015.80 1,495.83 1,121.87	697.95
33 14 13 13-0269 EA 48" x 24" Mechanical Joint Ductile Iron Wye (Lateral) For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	18,108.46 1,698.13 1,273.60	743.92
33 14 13 13-0270 EA 48" x 30" Mechanical Joint Ductile Iron Wye (Lateral) For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	19,289.32 1,811.27 1,358.45	776.59
33 14 13 13-0271 EA 48" x 36" Mechanical Joint Ductile Iron Wye (Lateral) For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	21,933.33 2,071.79 1,553.84	802.18
33 14 13 13-0272 EA 48" x 42" Mechanical Joint Ductile Iron Wye (Lateral) For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	28,525.49 2,728.84 2,046.63	816.48
33 14 13 13-0273 EA 48" x 48" Mechanical Joint Ductile Iron Wye (Lateral) For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	31,280.01 3,000.84 2,250.63	839.26

33 14 13 13-0274 Mechanical Joint Ductile Iron Cross (33 14 13 13-0002)



	Utilities	33
	Water Utilities	33 10
	Water Utility Transmission and Distribution	33 14

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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0275 EA 4" x 4" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	289.25 17.77 13.32	73.65
33 14 13 13-0276 EA 6" x 4" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	342.59 19.38 14.54	98.20
33 14 13 13-0277 EA 6" x 6" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	403.59 21.76 16.32	122.75
33 14 13 13-0278 EA 8" x 4" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	355.71 19.30 14.47	107.42
33 14 13 13-0279 EA 8" x 6" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	425.20 22.53 16.89	131.96
33 14 13 13-0280 EA 8" x 8" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	451.07 23.72 17.79	141.16
33 14 13 13-0281 EA 10" x 4" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	425.35 25.16 18.87	114.68
33 14 13 13-0282 EA 10" x 6" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	491.90 28.22 21.17	138.40
33 14 13 13-0283 EA 10" x 8" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	573.39 35.02 26.27	147.31
33 14 13 13-0284 EA 10" x 10" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	619.62 38.00 28.50	158.15
33 14 13 13-0285 EA 12 x 4" Mechanical Joint Ductile Iron Cross..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	506.61 31.79 23.84	124.54
33 14 13 13-0286 EA 12" x 6" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	591.00 36.64 27.48	148.27
33 14 13 13-0287 EA 12" x 8" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	816.14 57.80 43.35	157.18
33 14 13 13-0288 EA 12" x 10" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	832.63 57.80 43.35	168.06
33 14 13 13-0289 EA 12" x 12" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	936.83 66.73 50.04	177.92
33 14 13 13-0290 EA 14" x 6" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	947.51 70.04 52.53	163.09
33 14 13 13-0291 EA 14" x 8" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,102.10 84.15 63.11	172.00

33 Utilities**33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0292 EA 14" x 10" Mechanical Joint Ductile Iron Cross..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	1,135.59 85.85 64.39	182.88
33 14 13 13-0293 EA 14" x 12" Mechanical Joint Ductile Iron Cross..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	1,198.14 90.61 67.96	192.74
33 14 13 13-0294 EA 14" x 14" Mechanical Joint Ductile Iron Cross..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	1,321.74 100.73 75.54	207.58
33 14 13 13-0295 EA 16" x 6" Mechanical Joint Ductile Iron Cross..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	1,081.79 80.33 60.24	183.83
33 14 13 13-0296 EA 16" x 8" Mechanical Joint Ductile Iron Cross..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	1,220.23 92.82 69.62	192.74
33 14 13 13-0297 EA 16" x 10" Mechanical Joint Ductile Iron Cross..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	1,442.91 113.44 85.08	203.61
33 14 13 13-0298 EA 16" x 12" Mechanical Joint Ductile Iron Cross..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	1,599.32 127.59 95.69	213.49
33 14 13 13-0299 EA 16" x 14" Mechanical Joint Ductile Iron Cross..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	1,912.48 156.66 117.49	228.31
33 14 13 13-0300 EA 16" x 16" Mechanical Joint Ductile Iron Cross..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	2,226.96 184.96 138.72	249.10
33 14 13 13-0301 EA 18" x 6" Mechanical Joint Ductile Iron Cross..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	1,732.71 140.34 105.25	217.39
33 14 13 13-0302 EA 18" x 8" Mechanical Joint Ductile Iron Cross..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	1,829.50 148.67 111.50	226.29
33 14 13 13-0303 EA 18" x 10" Mechanical Joint Ductile Iron Cross..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	1,915.69 155.64 116.73	237.16
33 14 13 13-0304 EA 18" x 12" Mechanical Joint Ductile Iron Cross..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	2,070.04 169.58 127.18	247.04
33 14 13 13-0305 EA 18" x 14" Mechanical Joint Ductile Iron Cross..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	2,397.65 200.09 150.07	261.85
33 14 13 13-0306 EA 18" x 16" Mechanical Joint Ductile Iron Cross..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	2,554.88 212.67 159.50	282.60
33 14 13 13-0307 EA 18" x 18" Mechanical Joint Ductile Iron Cross..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	2,689.00 221.00 165.75	316.13
33 14 13 13-0308 EA 20" x 6" Mechanical Joint Ductile Iron Cross..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	2,177.86 176.46 132.35	272.75



Utilities	33	CS
Water Utilities	33 10	
Water Utility Transmission and Distribution	33 14	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0309 EA 20" x 8" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	2,275.50 184.88 138.66	281.66
33 14 13 13-0310 EA 20" x 10" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	2,347.23 190.40 142.80	292.54
33 14 13 13-0311 EA 20" x 12" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	2,500.74 204.26 153.19	302.40
33 14 13 13-0312 EA 20" x 14" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	2,551.24 207.06 155.30	317.22
33 14 13 13-0313 EA 20" x 16" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	3,055.28 254.32 190.74	337.97
33 14 13 13-0314 EA 20" x 18" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	3,189.40 262.65 196.99	371.51
33 14 13 13-0315 EA 20" x 20" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	3,467.94 282.12 211.59	426.84
33 14 13 13-0316 EA 24" x 6" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	2,948.81 243.19 182.39	341.19
33 14 13 13-0317 EA 24" x 8" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	3,018.67 248.80 186.60	350.09
33 14 13 13-0318 EA 24" x 10" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	3,131.78 258.49 193.86	360.97
33 14 13 13-0319 EA 24" x 12" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	3,230.04 266.82 200.11	370.85
33 14 13 13-0320 EA 24" x 14" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	3,294.14 270.98 203.24	385.66
33 14 13 13-0321 EA 24" x 16" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	3,423.32 280.76 210.57	406.42
33 14 13 13-0322 EA 24" x 18" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	4,461.00 379.44 284.58	439.95
33 14 13 13-0323 EA 24" x 20" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	4,725.09 397.46 298.10	495.32
33 14 13 13-0324 EA 24" x 24" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	5,218.09 436.39 327.29	563.79
33 14 13 13-0325 EA 30" x 8" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	5,507.72 482.04 361.53	453.67

33 Utilities**33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0326 EA 30" x 10" Mechanical Joint Ductile Iron Cross..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	5,618.56 491.47 368.60	464.55
33 14 13 13-0327 EA 30" x 12" Mechanical Joint Ductile Iron Cross..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	5,727.02 500.82 375.62	474.41
33 14 13 13-0328 EA 30" x 14" Mechanical Joint Ductile Iron Cross..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	5,857.42 511.62 383.71	489.24
33 14 13 13-0329 EA 30" x 16" Mechanical Joint Ductile Iron Cross..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	6,009.55 523.69 392.76	509.98
33 14 13 13-0330 EA 30" x 18" Mechanical Joint Ductile Iron Cross..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	6,194.67 537.12 402.84	543.52
33 14 13 13-0331 EA 30" x 20" Mechanical Joint Ductile Iron Cross..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	6,439.22 553.18 414.89	598.90
33 14 13 13-0332 EA 30" x 24" Mechanical Joint Ductile Iron Cross..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	8,209.77 719.87 539.90	667.34
33 14 13 13-0333 EA 30" x 30" Mechanical Joint Ductile Iron Cross..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	9,442.79 827.48 620.61	770.92
33 14 13 13-0334 EA 36" x 8" Mechanical Joint Ductile Iron Cross..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	7,593.67 684.85 513.63	491.84
33 14 13 13-0335 EA 36" x 10" Mechanical Joint Ductile Iron Cross..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	7,703.65 694.20 520.65	502.72
33 14 13 13-0336 EA 36" x 12" Mechanical Joint Ductile Iron Cross..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	7,798.51 702.19 526.64	512.60
33 14 13 13-0337 EA 36" x 14" Mechanical Joint Ductile Iron Cross..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	7,914.45 711.54 533.65	527.41
33 14 13 13-0338 EA 36" x 16" Mechanical Joint Ductile Iron Cross..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	8,052.99 722.25 541.68	548.16
33 14 13 13-0339 EA 36" x 18" Mechanical Joint Ductile Iron Cross..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	8,223.67 734.23 550.67	581.70
33 14 13 13-0340 EA 36" x 20" Mechanical Joint Ductile Iron Cross..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	8,454.61 748.94 561.70	637.07
33 14 13 13-0341 EA 36" x 24" Mechanical Joint Ductile Iron Cross..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	8,838.81 776.99 582.74	705.51
33 14 13 13-0342 EA 36" x 30" Mechanical Joint Ductile Iron Cross..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	11,812.64 1,058.68 794.01	809.09



Utilities	33	CS
Water Utilities	33 10	
Water Utility Transmission and Distribution	33 14	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0343 EA 36" x 36" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	12,951.67 1,166.80 875.10	847.30
33 14 13 13-0344 EA 42" x 12" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	10,109.95 929.99 697.49	534.66
33 14 13 13-0345 EA 42" x 14" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	11,395.29 1,056.27 792.21	549.50
33 14 13 13-0346 EA 42" x 16" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	10,355.09 949.11 711.83	570.23
33 14 13 13-0347 EA 42" x 18" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	10,508.76 959.40 719.55	603.77
33 14 13 13-0348 EA 42" x 20" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	10,732.90 973.42 730.07	659.15
33 14 13 13-0349 EA 42" x 24" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	11,092.45 999.01 749.25	727.59
33 14 13 13-0350 EA 42" x 30" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	14,135.98 1,287.67 965.75	831.16
33 14 13 13-0351 EA 42" x 36" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	18,320.57 1,700.34 1,275.26	869.33
33 14 13 13-0352 EA 42" x 42" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	19,605.21 1,825.46 1,369.10	891.42
33 14 13 13-0353 EA 48" x 12" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	13,602.80 1,265.99 949.49	622.31
33 14 13 13-0354 EA 48" x 14" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	13,701.75 1,273.64 955.23	637.13
33 14 13 13-0355 EA 48" x 16" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	13,835.18 1,263.84 962.88	657.88
33 14 13 13-0356 EA 48" x 18" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	13,988.00 1,294.04 970.53	691.42
33 14 13 13-0357 EA 48" x 20" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	14,200.26 1,306.88 980.16	746.79
33 14 13 13-0358 EA 48" x 24" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	14,546.20 1,331.10 998.33	815.23
33 14 13 13-0359 EA 48" x 30" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	15,431.58 1,403.95 1,052.96	918.80

33 Utilities**33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0360 EA 48" x 36" Mechanical Joint Ductile Iron Cross..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	18,797.62 1,734.77 1,301.07	956.97
33 14 13 13-0361 EA 48" x 42" Mechanical Joint Ductile Iron Cross..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	24,005.02 2,252.16 1,689.12	979.05
33 14 13 13-0362 EA 48" x 48" Mechanical Joint Ductile Iron Cross..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	25,581.10 2,396.49 1,797.37	1,066.65
33 14 13 13-0363 Mechanical Joint x Mechanical Joint Ductile Iron Reducers (33 14 13 13-0002)		
33 14 13 13-0364 EA 6" x 4" Mechanical Joint x Mechanical Joint Ductile Iron Reducer..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	132.97 5.95 4.46	48.49
33 14 13 13-0365 EA 8" x 4" Mechanical Joint x Mechanical Joint Ductile Iron Reducer..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	164.45 8.16 6.12	54.63
33 14 13 13-0366 EA 8" x 6" Mechanical Joint x Mechanical Joint Ductile Iron Reducer..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	183.41 8.67 6.50	63.83
33 14 13 13-0367 EA 10" x 4" Mechanical Joint x Mechanical Joint Ductile Iron Reducer..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	194.91 10.63 7.97	58.52
33 14 13 13-0368 EA 10" x 6" Mechanical Joint x Mechanical Joint Ductile Iron Reducer..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	214.33 11.22 8.42	67.41
33 14 13 13-0369 EA 10" x 8" Mechanical Joint x Mechanical Joint Ductile Iron Reducer..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	234.38 12.33 9.24	73.34
33 14 13 13-0370 EA 12" x 4" Mechanical Joint x Mechanical Joint Ductile Iron Reducer..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	231.94 13.43 10.07	64.45
33 14 13 13-0371 EA 12" x 6" Mechanical Joint x Mechanical Joint Ductile Iron Reducer..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	259.02 14.79 11.09	73.34
33 14 13 13-0372 EA 12" x 8" Mechanical Joint x Mechanical Joint Ductile Iron Reducer..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	272.27 15.22 11.41	79.28
33 14 13 13-0373 EA 12" x 10" Mechanical Joint x Mechanical Joint Ductile Iron Reducer..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	297.10 16.83 12.62	85.00
33 14 13 13-0374 EA 14" x 6" Mechanical Joint x Mechanical Joint Ductile Iron Reducer..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	454.09 32.81 24.61	83.15
33 14 13 13-0375 EA 14" x 8" Mechanical Joint x Mechanical Joint Ductile Iron Reducer..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	446.09 31.11 23.33	89.10
33 14 13 13-0376 EA 14" x 10" Mechanical Joint x Mechanical Joint Ductile Iron Reducer..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	408.87 26.52 19.89	94.82



	Utilities	33
	Water Utilities	33 10
	Water Utility Transmission and Distribution	33 14

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0377 EA 14" x 12" Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	430.60	100.76
For Cement Mortar Lining (CML), Add	27.80	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	20.85	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0378 EA 16" x 8" Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	532.81	96.96
For Cement Mortar Lining (CML), Add	38.59	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	28.94	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0379 EA 16" x 8" Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	527.36	102.90
For Cement Mortar Lining (CML), Add	37.15	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	27.86	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0380 EA 16" x 10" Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	522.44	108.63
For Cement Mortar Lining (CML), Add	35.79	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	26.84	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0381 EA 16" x 12" Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	564.58	114.56
For Cement Mortar Lining (CML), Add	39.10	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	29.33	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0382 EA 16" x 14" Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	626.20	124.38
For Cement Mortar Lining (CML), Add	43.78	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	32.83	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0383 EA 18" x 8" Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	667.96	126.13
For Cement Mortar Lining (CML), Add	47.69	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	35.76	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0384 EA 18" x 10" Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	742.94	131.86
For Cement Mortar Lining (CML), Add	54.32	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	40.74	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0385 EA 18" x 12" Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	723.03	137.80
For Cement Mortar Lining (CML), Add	51.43	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	38.57	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0386 EA 18" x 14" Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	767.64	147.61
For Cement Mortar Lining (CML), Add	54.40	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	40.80	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0387 EA 18" x 16" Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	812.36	161.42
For Cement Mortar Lining (CML), Add	56.78	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	42.59	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0388 EA 20" x 8" Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	939.29	172.26
For Cement Mortar Lining (CML), Add	67.83	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	50.87	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0389 EA 20" x 10" Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	908.86	177.98
For Cement Mortar Lining (CML), Add	63.92	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	47.94	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0390 EA 20" x 12" Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	850.70	183.91
For Cement Mortar Lining (CML), Add	57.21	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	42.90	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0391 EA 20" x 14" Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	861.32	193.72
For Cement Mortar Lining (CML), Add	56.78	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	42.59	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0392 EA 20" x 16" Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	894.14	207.53
For Cement Mortar Lining (CML), Add	57.97	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	43.48	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0393 EA 20" x 18" Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	1,061.09	230.76
For Cement Mortar Lining (CML), Add	71.15	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	53.36	
Note: ANSI/AWWA C151/A21.51		

33 Utilities**33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0394 EA 24" x 12" Mechanical Joint x Mechanical Joint Ductile Iron Reducer..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	1,224.66 87.64 65.73	229.88
33 14 13 13-0395 EA 24" x 14" Mechanical Joint x Mechanical Joint Ductile Iron Reducer..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	1,261.63 89.85 67.38	239.70
33 14 13 13-0396 EA 24" x 16" Mechanical Joint x Mechanical Joint Ductile Iron Reducer..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	1,294.45 91.04 68.28	253.51
33 14 13 13-0397 EA 24" x 18" Mechanical Joint x Mechanical Joint Ductile Iron Reducer..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	1,289.70 87.04 65.28	276.74
33 14 13 13-0398 EA 24" x 20" Mechanical Joint x Mechanical Joint Ductile Iron Reducer..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	1,566.98 107.78 80.84	322.86
33 14 13 13-0399 EA 30" x 16" Mechanical Joint x Mechanical Joint Ductile Iron Reducer..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	2,409.85 197.63 148.22	286.18
33 14 13 13-0400 EA 30" x 18" Mechanical Joint x Mechanical Joint Ductile Iron Reducer..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	2,523.25 205.45 154.08	309.41
33 14 13 13-0401 EA 30" x 20" Mechanical Joint x Mechanical Joint Ductile Iron Reducer..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	2,479.23 194.06 145.54	355.53
33 14 13 13-0402 EA 30" x 24" Mechanical Joint x Mechanical Joint Ductile Iron Reducer..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	2,456.24 184.79 138.59	401.51
33 14 13 13-0403 EA 36" x 20" Mechanical Joint x Mechanical Joint Ductile Iron Reducer..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	3,583.89 300.65 225.48	381.11
33 14 13 13-0404 EA 36" x 24" Mechanical Joint x Mechanical Joint Ductile Iron Reducer..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	3,033.90 238.68 179.01	427.09
33 14 13 13-0405 EA 36" x 30" Mechanical Joint x Mechanical Joint Ductile Iron Reducer..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	3,292.50 259.59 194.69	459.75
33 14 13 13-0406 EA 42" x 16" Mechanical Joint x Mechanical Joint Ductile Iron Reducer..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	4,553.63 405.96 304.47	326.06
33 14 13 13-0407 EA 42" x 18" Mechanical Joint x Mechanical Joint Ductile Iron Reducer..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	4,551.43 402.22 301.67	349.29
33 14 13 13-0408 EA 42" x 20" Mechanical Joint x Mechanical Joint Ductile Iron Reducer..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	4,607.71 400.86 300.65	395.41
33 14 13 13-0409 EA 42" x 24" Mechanical Joint x Mechanical Joint Ductile Iron Reducer..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	5,142.32 447.36 335.52	441.39
33 14 13 13-0410 EA 42" x 30" Mechanical Joint x Mechanical Joint Ductile Iron Reducer..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	4,309.52 359.13 269.34	474.05



Utilities	33	CS
Water Utilities	33 10	
Water Utility Transmission and Distribution	33 14	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0411 EA 42" x 36" Mechanical Joint x Mechanical Joint Ductile Iron Reducer..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	4,513.18 375.62 281.71	499.64
33 14 13 13-0412 EA 48" x 16" Mechanical Joint x Mechanical Joint Ductile Iron Reducer..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	6,079.06 555.05 416.29	348.85
33 14 13 13-0413 EA 48" x 18" Mechanical Joint x Mechanical Joint Ductile Iron Reducer..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	5,915.36 535.16 401.37	372.08
33 14 13 13-0414 EA 48" x 20" Mechanical Joint x Mechanical Joint Ductile Iron Reducer..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	5,679.22 504.56 378.42	418.20
33 14 13 13-0415 EA 48" x 24" Mechanical Joint x Mechanical Joint Ductile Iron Reducer..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	5,877.23 517.40 388.05	464.17
33 14 13 13-0416 EA 48" x 30" Mechanical Joint x Mechanical Joint Ductile Iron Reducer..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	6,986.70 623.39 467.54	496.84
33 14 13 13-0417 EA 48" x 36" Mechanical Joint x Mechanical Joint Ductile Iron Reducer..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	6,174.60 538.31 403.73	522.43
33 14 13 13-0418 EA 48" x 42" Mechanical Joint x Mechanical Joint Ductile Iron Reducer..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	6,755.56 594.24 445.68	536.72
33 14 13 13-0419 Mechanical Joint Ductile Iron Caps (33 14 13 13-0002)		
33 14 13 13-0420 EA 4" Mechanical Joint Ductile Iron Caps For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	159.34 2.30 1.72	90.02
33 14 13 13-0421 EA 6" Mechanical Joint Ductile Iron Caps For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	211.29 4.08 3.06	112.52
33 14 13 13-0422 EA 8" Mechanical Joint Ductile Iron Caps For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	262.84 6.80 5.10	128.61
33 14 13 13-0423 EA 10" Mechanical Joint Ductile Iron Caps For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	385.38 8.59 6.44	197.69
33 14 13 13-0424 EA 12" Mechanical Joint Ductile Iron Caps For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	455.12 12.84 9.63	215.66
33 14 13 13-0425 EA 14" Mechanical Joint Ductile Iron Caps For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	554.10 19.47 14.60	237.23
33 14 13 13-0426 EA 16" Mechanical Joint Ductile Iron Caps For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	660.33 26.10 19.57	263.56
33 14 13 13-0427 EA 18" Mechanical Joint Ductile Iron Caps For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	768.05 31.88 23.91	296.54

33 Utilities**33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0428 EA 20" Mechanical Joint Ductile Iron Caps..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	925.75 41.23 30.92	338.87
33 14 13 13-0429 EA 24" Mechanical Joint Ductile Iron Caps..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,165.17 56.61 42.46	395.38
33 14 13 13-0430 EA 30" Mechanical Joint Ductile Iron Caps..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	2,013.44 129.46 97.09	474.46
33 14 13 13-0431 EA 36" Mechanical Joint Ductile Iron Caps..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	3,253.11 235.45 176.59	593.09
33 14 13 13-0432 EA 42" Mechanical Joint Ductile Iron Caps..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	4,649.18 357.09 267.81	711.70
33 14 13 13-0433 EA 48" Mechanical Joint Ductile Iron Caps..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	5,500.85 430.27 322.70	790.78
33 14 13 13-0434 Mechanical Joint Ductile Iron Plug (33 14 13 13-0002)		
33 14 13 13-0435 EA 4" Mechanical Joint Ductile Iron Plug..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	164.44 2.81 2.10	90.02
33 14 13 13-0436 EA 6" Mechanical Joint Ductile Iron Plug..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	224.89 5.44 4.08	112.52
33 14 13 13-0437 EA 8" Mechanical Joint Ductile Iron Plug..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	276.44 8.16 6.12	128.61
33 14 13 13-0438 EA 10" Mechanical Joint Ductile Iron Plug..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	440.63 14.11 10.58	197.69
33 14 13 13-0439 EA 12" Mechanical Joint Ductile Iron Plug..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	470.41 14.37 10.77	215.66
33 14 13 13-0440 EA 14" Mechanical Joint Ductile Iron Plug..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	651.85 29.24 21.93	237.23
33 14 13 13-0441 EA 16" Mechanical Joint Ductile Iron Plug..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	436.78 3.74 2.81	263.56
33 14 13 13-0442 EA 18" Mechanical Joint Ductile Iron Plug..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	913.40 46.41 34.81	296.54
33 14 13 13-0443 EA 20" Mechanical Joint Ductile Iron Plug..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,123.80 61.03 45.77	338.87
33 14 13 13-0444 EA 24" Mechanical Joint Ductile Iron Plug..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,445.67 84.66 63.50	395.38



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	33 14 13	13-0445	EA	30" Mechanical Joint Ductile Iron Plug..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	2,399.34 168.05 126.03	474.46
	33 14 13	13-0446	EA	36" Mechanical Joint Ductile Iron Plug..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	3,494.51 259.59 194.69	593.09
	33 14 13	13-0447	EA	42" Mechanical Joint Ductile Iron Plug..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	4,679.78 360.15 270.11	711.70
	33 14 13	13-0448	EA	48" Mechanical Joint Ductile Iron Plug..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	5,998.95 480.08 360.06	790.78
33 14 13	13-0449	Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters <small>(33 14 13 13-0002)</small>				
	33 14 13	13-0450	EA	4" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	264.09 5.95 4.46	135.03
	33 14 13	13-0451	EA	6" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	338.18 8.25 6.18	168.78
	33 14 13	13-0452	EA	8" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	417.22 12.50 9.37	192.87
	33 14 13	13-0453	EA	10" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	666.90 21.76 16.32	296.54
	33 14 13	13-0454	EA	12" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	768.95 27.88 20.91	323.50
	33 14 13	13-0455	EA	14" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	982.02 44.29 33.21	355.85
	33 14 13	13-0456	EA	16" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	1,104.82 50.58 37.93	395.38
	33 14 13	13-0457	EA	18" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	1,447.45 77.35 58.01	444.81
	33 14 13	13-0458	EA	20" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	1,691.64 92.14 69.11	508.34
	33 14 13	13-0459	EA	24" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	2,033.36 113.48 85.11	593.09
	33 14 13	13-0460	EA	30" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	3,166.78 208.85 156.63	711.70
	33 14 13	13-0461	EA	36" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	4,340.77 299.29 224.46	889.62

33 Utilities**33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0462 EA 42" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	5,713.13 417.27 312.95	1,016.69
33 14 13 13-0463 EA 48" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	7,023.02 522.58 391.94	1,186.16
33 14 13 13-0464 Mechanical Joint Ductile Iron Long Sleeves <small>(33 14 13 13-0002)</small>		
33 14 13 13-0465 EA 4" Mechanical Joint Ductile Iron Long Sleeves..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	259.84 5.53 4.14	135.03
33 14 13 13-0466 EA 6" Mechanical Joint Ductile Iron Long Sleeves..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	348.38 9.27 6.95	168.78
33 14 13 13-0467 EA 8" Mechanical Joint Ductile Iron Long Sleeves..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	444.42 15.22 11.41	192.87
33 14 13 13-0468 EA 10" Mechanical Joint Ductile Iron Long Sleeves..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	630.35 18.11 13.58	296.54
33 14 13 13-0469 EA 12" Mechanical Joint Ductile Iron Long Sleeves..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	734.95 24.48 18.36	323.50
33 14 13 13-0470 EA 14" Mechanical Joint Ductile Iron Long Sleeves..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	908.92 36.98 27.73	355.85
33 14 13 13-0471 EA 16" Mechanical Joint Ductile Iron Long Sleeves..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	1,067.42 46.84 35.13	395.38
33 14 13 13-0472 EA 18" Mechanical Joint Ductile Iron Long Sleeves..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	1,273.20 59.93 44.94	444.81
33 14 13 13-0473 EA 20" Mechanical Joint Ductile Iron Long Sleeves..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	1,493.59 72.34 54.25	508.34
33 14 13 13-0474 EA 24" Mechanical Joint Ductile Iron Long Sleeves..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	1,851.46 95.29 71.46	593.09
33 14 13 13-0475 EA 30" Mechanical Joint Ductile Iron Long Sleeves..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	3,074.13 199.58 149.69	711.70
33 14 13 13-0476 EA 36" Mechanical Joint Ductile Iron Long Sleeves..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	4,150.37 280.25 210.18	889.62
33 14 13 13-0477 EA 42" Mechanical Joint Ductile Iron Long Sleeves..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	5,287.21 374.85 281.14	1,015.52
33 14 13 13-0478 EA 48" Mechanical Joint Ductile Iron Long Sleeves..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	7,062.97 526.58 394.93	1,186.16



Utilities	33	CS
Water Utilities	33 10	
Water Utility Transmission and Distribution	33 14	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0479 Mechanical Joint Ductile Iron Gland Packs <small>(33 14 13 13-0002)</small> Note: Includes ductile iron retainer gland, gasket, break off torque bolts and all nuts.		
33 14 13 13-0480 Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts <small>(33 14 13 13-0479)</small> Note: Labor installation is included with pipe fittings or valves.		
33 14 13 13-0481 EA 4" Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts Note: Includes four (4) 3/4" diameter plain finish Boltss with nut.	21.97	
33 14 13 13-0482 EA 6" Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts Note: Includes six (6) 3/4" diameter plain finish Boltss with nut.	26.55	
33 14 13 13-0483 EA 8" Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts Note: Includes six (6) 3/4" diameter plain finish Boltss with nut.	31.12	
33 14 13 13-0484 EA 10" Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts Note: Includes eight (8) 3/4" diameter plain finish Boltss with nut.	43.03	
33 14 13 13-0485 EA 12" Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts Note: Includes eight (8) 3/4" diameter plain finish Boltss with nut.	45.77	
33 14 13 13-0486 EA 14" Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts Note: Includes ten (10) 3/4" diameter plain finish Boltss with nut.	75.07	
33 14 13 13-0487 EA 16" Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts Note: Includes twelve (12) 3/4" diameter plain finish Boltss with nut.	79.64	
33 14 13 13-0488 EA 18" Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts Note: Includes twelve (12) 3/4" diameter plain finish Boltss with nut.	106.19	
33 14 13 13-0489 EA 20" Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts Note: Includes fourteen (14) 3/4" diameter plain finish Boltss with nut.	137.32	
33 14 13 13-0490 EA 24" Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts Note: Includes sixteen (16) 3/4" diameter plain finish Boltss with nut.	191.33	
33 14 13 13-0491 EA 30" Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts Note: Includes twenty (20) 1" diameter plain finish Boltss with nut.	456.80	
33 14 13 13-0492 EA 36" Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts Note: Includes twenty-four (24) 1" diameter plain finish Boltss with nut.	985.01	
33 14 13 13-0493 EA 42" Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts Note: Includes twenty-eight (28) 1-1/4" diameter plain finish Boltss with nut.	1,438.16	
33 14 13 13-0494 EA 48" Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts Note: Includes thirty-two (32) 1-1/4" diameter plain finish Boltss with nut.	1,764.97	
33 14 13 13-0495 Mechanical Joint Gland, Gasket, Star Blue Fluoropolymer Coated T-Head Bolts And Nuts <small>(33 14 13 13-0479)</small> Note: Labor installation is included with pipe fittings or valves.		
33 14 13 13-0496 EA 4" Mechanical Joint Gland, Gasket, Star Blue Fluoropolymer Coated T-Head Bolts And Nuts Note: Includes four (4) 3/4" diameter plain finish Boltss with nut.	31.12	
33 14 13 13-0497 EA 6" Mechanical Joint Gland, Gasket, Star Blue Fluoropolymer Coated T-Head Bolts And Nuts Note: Includes six (6) 3/4" diameter plain finish Boltss with nut.	39.36	
33 14 13 13-0498 EA 8" Mechanical Joint Gland, Gasket, Star Blue Fluoropolymer Coated T-Head Bolts And Nuts Note: Includes six (6) 3/4" diameter plain finish Boltss with nut.	43.03	
33 14 13 13-0499 EA 10" Mechanical Joint Gland, Gasket, Star Blue Fluoropolymer Coated T-Head Bolts And Nuts Note: Includes eight (8) 3/4" diameter plain finish Boltss with nut.	59.50	
33 14 13 13-0500 EA 12" Mechanical Joint Gland, Gasket, Star Blue Fluoropolymer Coated T-Head Bolts And Nuts Note: Includes eight (8) 3/4" diameter plain finish Boltss with nut.	62.25	
33 14 13 13-0501 EA 14" Mechanical Joint Gland, Gasket, Star Blue Fluoropolymer Coated T-Head Bolts And Nuts Note: Includes ten (10) 3/4" diameter plain finish Boltss with nut.	94.29	
33 14 13 13-0502 EA 16" Mechanical Joint Gland, Gasket, Star Blue Fluoropolymer Coated T-Head Bolts And Nuts Note: Includes twelve (12) 3/4" diameter plain finish Boltss with nut.	103.44	
33 14 13 13-0503 EA 18" Mechanical Joint Gland, Gasket, Star Blue Fluoropolymer Coated T-Head Bolts And Nuts Note: Includes twelve (12) 3/4" diameter plain finish Boltss with nut.	137.32	
33 14 13 13-0504 EA 20" Mechanical Joint Gland, Gasket, Star Blue Fluoropolymer Coated T-Head Bolts And Nuts Note: Includes fourteen (14) 3/4" diameter plain finish Boltss with nut.	177.60	
33 14 13 13-0505 EA 24" Mechanical Joint Gland, Gasket, Star Blue Fluoropolymer Coated T-Head Bolts And Nuts Note: Includes sixteen (16) 3/4" diameter plain finish Boltss with nut.	248.08	
33 14 13 13-0506 Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts <small>(33 14 13 13-0479)</small> Note: Labor installation is included with pipe fittings or valves.		
33 14 13 13-0507 EA 4" Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts Note: Includes four (4) 3/4" diameter plain finish Boltss with nut.	23.80	
33 14 13 13-0508 EA 6" Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts Note: Includes six (6) 3/4" diameter plain finish Boltss with nut.	28.38	
33 14 13 13-0509 EA 8" Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts Note: Includes six (6) 3/4" diameter plain finish Boltss with nut.	33.87	
33 14 13 13-0510 EA 10" Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts Note: Includes eight (8) 3/4" diameter plain finish Boltss with nut.	46.69	
33 14 13 13-0511 EA 12" Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts Note: Includes eight (8) 3/4" diameter plain finish Boltss with nut.	49.43	
33 14 13 13-0512 EA 14" Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts Note: Includes ten (10) 3/4" diameter plain finish Boltss with nut.	81.47	
33 14 13 13-0513 EA 16" Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts Note: Includes twelve (12) 3/4" diameter plain finish Boltss with nut.	86.05	
33 14 13 13-0514 EA 18" Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts Note: Includes twelve (12) 3/4" diameter plain finish Boltss with nut.	116.26	
33 14 13 13-0515 EA 20" Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts Note: Includes fourteen (14) 3/4" diameter plain finish Boltss with nut.	149.22	
33 14 13 13-0516 EA 24" Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts Note: Includes sixteen (16) 3/4" diameter plain finish Boltss with nut.	208.72	

33 Utilities**33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0517 EA 30" Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts Note: Includes twenty (20) 1" diameter plain finish Boltss with nut.	499.83	
33 14 13 13-0518 EA 36" Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts Note: Includes twenty-four (24) 1" diameter plain finish Boltss with nut.	1,107.68	
33 14 13 13-0519 EA 42" Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts Note: Includes twenty-eight (28) 1-1/4" diameter plain finish Boltss with nut.	1,603.85	
33 14 13 13-0520 EA 48" Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts Note: Includes thirty-two (32) 1-1/4" diameter plain finish Boltss with nut.	1,973.69	
33 14 13 13-0521 Mechanical Joint Restraints For Ductile Iron Pipe (Megalug 1100) <small>(33 14 13 13-0002)</small> Note: Includes ductile iron retainer gland, gasket, break off torque bolts and all nuts and bolts. Excludes pipe and fitting.		
33 14 13 13-0522 EA 4" Mechanical Joint Restraints For Ductile Iron Pipe (Megalug 1100)	166.89	69.28
33 14 13 13-0523 EA 6" Mechanical Joint Restraints For Ductile Iron Pipe (Megalug 1100)	206.97	85.74
33 14 13 13-0524 EA 8" Mechanical Joint Restraints For Ductile Iron Pipe (Megalug 1100)	256.17	100.06
33 14 13 13-0525 EA 10" Mechanical Joint Restraints For Ductile Iron Pipe (Megalug 1100)	374.14	148.27
33 14 13 13-0526 EA 12" Mechanical Joint Restraints For Ductile Iron Pipe (Megalug 1100)	457.14	169.48
33 14 13 13-0527 EA 14" Mechanical Joint Restraints For Ductile Iron Pipe (Megalug 1100)	527.73	182.42
33 14 13 13-0528 EA 16" Mechanical Joint Restraints For Ductile Iron Pipe (Megalug 1100)	641.95	197.69
33 14 13 13-0529 EA 18" Mechanical Joint Restraints For Ductile Iron Pipe (Megalug 1100)	818.67	237.23
33 14 13 13-0530 EA 20" Mechanical Joint Restraints For Ductile Iron Pipe (Megalug 1100)	961.18	263.48
33 14 13 13-0531 EA 24" Mechanical Joint Restraints For Ductile Iron Pipe (Megalug 1100)	1,236.44	304.00
33 14 13 13-0532 EA 30" Mechanical Joint Restraints For Ductile Iron Pipe (Megalug 1100)	2,330.68	364.57
33 14 13 13-0533 EA 36" Mechanical Joint Restraints For Ductile Iron Pipe (Megalug 1100)	2,879.99	456.22
33 14 13 13-0534 EA 42" Mechanical Joint Restraints For Ductile Iron Pipe (Megalug 1100)	4,205.06	526.40
33 14 13 13-0535 EA 48" Mechanical Joint Restraints For Ductile Iron Pipe (Megalug 1100)	5,385.96	677.02
33 14 13 13-0536 Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Piping <small>(33 14 13 13-0001)</small> Note: .		
33 14 13 13-0537 Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 90 Degree Elbow <small>(33 14 13 13-0536)</small>		
33 14 13 13-0538 EA 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 90 Degree Elbow	277.20	39.99
33 14 13 13-0539 EA 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 90 Degree Elbow	428.42	58.59
33 14 13 13-0540 EA 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 90 Degree Elbow	579.45	69.75
33 14 13 13-0541 EA 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 90 Degree Elbow	785.92	79.08
33 14 13 13-0542 EA 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 90 Degree Elbow	991.88	92.56
33 14 13 13-0543 EA 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 90 Degree Elbow	1,393.15	104.24
33 14 13 13-0544 EA 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 90 Degree Elbow	1,685.92	118.62
33 14 13 13-0545 EA 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 90 Degree Elbow	2,051.03	166.24
33 14 13 13-0546 EA 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 90 Degree Elbow	2,556.79	207.58
33 14 13 13-0547 EA 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 90 Degree Elbow	3,604.67	276.77
33 14 13 13-0548 EA 30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 90 Degree Elbow	5,682.75	296.54
33 14 13 13-0549 EA 36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 90 Degree Elbow	8,291.51	308.23
33 14 13 13-0550 EA 42" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 90 Degree Elbow	13,568.82	355.85
33 14 13 13-0551 EA 48" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 90 Degree Elbow	17,696.84	378.32
33 14 13 13-0552 Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 45 Degree Elbow <small>(33 14 13 13-0536)</small>		
33 14 13 13-0553 EA 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 45 Degree Elbow	261.05	39.99
33 14 13 13-0554 EA 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 45 Degree Elbow	400.37	58.59
33 14 13 13-0555 EA 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 45 Degree Elbow	536.10	69.75
33 14 13 13-0556 EA 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 45 Degree Elbow	694.12	79.08
33 14 13 13-0557 EA 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 45 Degree Elbow	909.43	92.56
33 14 13 13-0558 EA 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 45 Degree Elbow	1,216.35	104.24
33 14 13 13-0559 EA 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 45 Degree Elbow	1,453.02	118.62
33 14 13 13-0560 EA 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 45 Degree Elbow	1,733.98	166.24
33 14 13 13-0561 EA 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 45 Degree Elbow	2,108.84	207.58
33 14 13 13-0562 EA 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 45 Degree Elbow	2,781.02	276.77
33 14 13 13-0563 EA 30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 45 Degree Elbow	4,988.30	296.54
33 14 13 13-0564 EA 36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 45 Degree Elbow	6,835.46	308.23
33 14 13 13-0565 EA 42" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 45 Degree Elbow	10,095.72	355.85
33 14 13 13-0566 EA 48" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 45 Degree Elbow	12,877.34	378.32
33 14 13 13-0567 Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 22-1/2 Degree Elbow <small>(33 14 13 13-0536)</small>		
33 14 13 13-0568 EA 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	258.50	39.99
33 14 13 13-0569 EA 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	390.17	58.59
33 14 13 13-0570 EA 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	532.70	69.75
33 14 13 13-0571 EA 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	693.27	79.08
33 14 13 13-0572 EA 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	860.13	92.56
33 14 13 13-0573 EA 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	1,223.15	104.24
33 14 13 13-0574 EA 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	1,422.42	118.62
33 14 13 13-0575 EA 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	1,726.33	166.24
33 14 13 13-0576 EA 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	2,179.39	207.58



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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0577 EA 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	2,724.92	276.77
33 14 13 13-0578 EA 30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	4,458.75	296.54
33 14 13 13-0579 EA 36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	6,027.96	308.23
33 14 13 13-0580 EA 42" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	8,575.07	355.85
33 14 13 13-0581 EA 48" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	10,933.39	378.32
33 14 13 13-0582 Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 11-1/4 Degree Elbow <small>(33 14 13 13-0536)</small>		
33 14 13 13-0583 EA 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	305.25	39.99
33 14 13 13-0584 EA 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	393.57	58.59
33 14 13 13-0585 EA 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	517.40	69.75
33 14 13 13-0586 EA 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	691.57	79.08
33 14 13 13-0587 EA 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	837.18	92.56
33 14 13 13-0588 EA 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	1,312.40	104.24
33 14 13 13-0589 EA 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	1,464.07	118.62
33 14 13 13-0590 EA 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	1,967.73	166.24
33 14 13 13-0591 EA 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	2,106.29	207.58
33 14 13 13-0592 EA 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	2,725.77	276.77
33 14 13 13-0593 EA 30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	4,514.85	296.54
33 14 13 13-0594 EA 36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	5,867.31	308.23
33 14 13 13-0595 EA 42" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	8,345.57	355.85
33 14 13 13-0596 EA 48" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	10,872.19	378.32
33 14 13 13-0597 Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow <small>(33 14 13 13-0536)</small>		
33 14 13 13-0598 EA 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow	296.75	39.99
33 14 13 13-0599 EA 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow	460.72	58.59
33 14 13 13-0600 EA 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow	620.25	69.75
33 14 13 13-0601 EA 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow	845.42	79.08
33 14 13 13-0602 EA 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow	1,057.33	92.56
33 14 13 13-0603 EA 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow	1,863.20	104.24
33 14 13 13-0604 EA 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow	2,881.87	118.62
33 14 13 13-0605 EA 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow	3,311.58	166.24
33 14 13 13-0606 EA 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow	3,826.69	207.58
33 14 13 13-0607 EA 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow	4,169.07	276.77
33 14 13 13-0608 Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow <small>(33 14 13 13-0536)</small>		
33 14 13 13-0609 EA 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow	264.45	39.99
33 14 13 13-0610 EA 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow	413.97	58.59
33 14 13 13-0611 EA 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow	577.75	69.75
33 14 13 13-0612 EA 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow	759.57	79.08
33 14 13 13-0613 EA 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow	982.53	92.56
33 14 13 13-0614 EA 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow	1,297.94	104.24
33 14 13 13-0615 EA 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow	1,555.87	118.62
33 14 13 13-0616 EA 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow	2,878.07	166.24
33 14 13 13-0617 EA 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow	3,039.59	207.58
33 14 13 13-0618 EA 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow	3,201.77	276.77
33 14 13 13-0619 Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee <small>(33 14 13 13-0536)</small>		
33 14 13 13-0620 EA 4" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	335.77	58.59
33 14 13 13-0621 EA 6" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	510.71	77.19
33 14 13 13-0622 EA 6" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	541.66	86.48
33 14 13 13-0623 EA 8" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	623.68	89.27
33 14 13 13-0624 EA 8" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	675.88	98.57
33 14 13 13-0625 EA 8" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	741.29	105.08

33 Utilities**33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0626 EA 10" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	826.02	97.95
33 14 13 13-0627 EA 10" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	830.15	106.94
33 14 13 13-0628 EA 10" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	897.80	113.23
33 14 13 13-0629 EA 10" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	966.82	118.62
33 14 13 13-0630 EA 12" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	989.34	109.63
33 14 13 13-0631 EA 12" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	1,002.81	118.62
33 14 13 13-0632 EA 12" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	1,082.36	124.91
33 14 13 13-0633 EA 12" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	1,239.78	130.29
33 14 13 13-0634 EA 12" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	1,246.22	136.58
33 14 13 13-0635 EA 14" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	1,402.30	138.38
33 14 13 13-0636 EA 14" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	1,514.15	144.67
33 14 13 13-0637 EA 14" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	1,822.88	150.06
33 14 13 13-0638 EA 14" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	1,922.82	156.35
33 14 13 13-0639 EA 14" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	1,794.04	166.24
33 14 13 13-0640 EA 16" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	1,677.82	166.24
33 14 13 13-0641 EA 16" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	1,766.80	171.63
33 14 13 13-0642 EA 16" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	2,102.73	177.92
33 14 13 13-0643 EA 16" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	1,982.52	183.31
33 14 13 13-0644 EA 16" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	2,559.23	193.20
33 14 13 13-0645 EA 16" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	2,334.50	207.58
33 14 13 13-0646 EA 18" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	2,199.65	212.97
33 14 13 13-0647 EA 18" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	2,316.59	218.36
33 14 13 13-0648 EA 18" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	2,463.83	223.75
33 14 13 13-0649 EA 18" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	2,600.31	230.04
33 14 13 13-0650 EA 18" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	2,673.83	239.93
33 14 13 13-0651 EA 18" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	2,855.40	253.41
33 14 13 13-0652 EA 18" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	3,183.85	276.77
33 14 13 13-0653 EA 20" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	2,564.65	304.63
33 14 13 13-0654 EA 20" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	2,608.50	310.92
33 14 13 13-0655 EA 20" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	2,851.77	316.31
33 14 13 13-0656 EA 20" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	2,986.56	322.60
33 14 13 13-0657 EA 20" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	3,020.14	332.49
33 14 13 13-0658 EA 20" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	2,992.60	345.97
33 14 13 13-0659 EA 20" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	3,782.60	369.33
33 14 13 13-0660 EA 20" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	3,284.68	415.15
33 14 13 13-0661 EA 24" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	3,128.98	396.28
33 14 13 13-0662 EA 24" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	3,160.06	403.47
33 14 13 13-0663 EA 24" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	3,216.35	407.96
33 14 13 13-0664 EA 24" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	3,298.42	414.26
33 14 13 13-0665 EA 24" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	3,723.85	424.14
33 14 13 13-0666 EA 24" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	3,881.63	437.62
33 14 13 13-0667 EA 24" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	4,731.13	460.99
33 14 13 13-0668 EA 24" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	4,903.00	507.71
33 14 13 13-0669 EA 24" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	4,645.41	553.55
33 14 13 13-0670 EA 30" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	5,339.37	461.88
33 14 13 13-0671 EA 30" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	5,100.17	468.17
33 14 13 13-0672 EA 30" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	5,378.30	473.57
33 14 13 13-0673 EA 30" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	5,657.59	479.86
33 14 13 13-0674 EA 30" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	6,054.95	489.74
33 14 13 13-0675 EA 30" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	6,485.57	651.49
33 14 13 13-0676 EA 30" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	6,471.47	526.59
33 14 13 13-0677 EA 30" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	6,491.20	572.42
33 14 13 13-0678 EA 30" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	6,775.91	618.25
33 14 13 13-0679 EA 30" x 30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	8,037.51	651.49
33 14 13 13-0680 EA 36" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	5,535.54	519.40
33 14 13 13-0681 EA 36" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	6,161.32	524.79
33 14 13 13-0682 EA 36" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	6,500.96	531.08
33 14 13 13-0683 EA 36" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	6,744.47	540.96
33 14 13 13-0684 EA 36" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	6,991.50	554.44
33 14 13 13-0685 EA 36" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	7,465.30	577.81
33 14 13 13-0686 EA 36" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	7,974.62	623.64
33 14 13 13-0687 EA 36" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	8,823.73	669.46
33 14 13 13-0688 EA 36" x 30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	9,934.04	727.87
33 14 13 13-0689 EA 36" x 36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	11,399.09	727.87
33 14 13 13-0690 EA 42" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	12,824.09	559.84
33 14 13 13-0691 EA 42" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	13,081.21	568.82
33 14 13 13-0692 EA 42" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	14,361.83	583.20
33 14 13 13-0693 EA 42" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	16,336.73	606.57
33 14 13 13-0694 EA 42" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	16,406.60	652.39
33 14 13 13-0695 EA 42" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	13,662.76	698.22
33 14 13 13-0696 EA 42" x 30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	13,918.82	731.47
33 14 13 13-0697 EA 42" x 36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	17,158.67	756.63
33 14 13 13-0698 EA 42" x 42" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	18,071.14	771.01
33 14 13 13-0699 EA 48" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	14,928.03	604.77
33 14 13 13-0700 EA 48" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	15,195.36	614.65
33 14 13 13-0701 EA 48" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	15,574.98	629.03
33 14 13 13-0702 EA 48" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	15,966.33	651.49
33 14 13 13-0703 EA 48" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	16,394.90	698.22
33 14 13 13-0704 EA 48" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	16,512.16	744.05
33 14 13 13-0705 EA 48" x 30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	17,716.82	776.40
33 14 13 13-0706 EA 48" x 36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	14,349.63	802.46



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0707	EA	48" x 42" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	17,886.89	816.84
33 14 13 13-0708	EA	48" x 48" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	23,688.66	839.30
33 14 13 13-0709 Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Laterals) <small>(33 14 13 13-0536)</small>				
33 14 13 13-0710	EA	4" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	413.97	58.59
33 14 13 13-0711	EA	6" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	512.41	77.19
33 14 13 13-0712	EA	6" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	622.41	86.48
33 14 13 13-0713	EA	8" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	804.73	89.27
33 14 13 13-0714	EA	8" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	750.68	98.57
33 14 13 13-0715	EA	8" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	840.74	105.08
33 14 13 13-0716	EA	10" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	1,165.17	97.95
33 14 13 13-0717	EA	10" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	1,216.05	106.94
33 14 13 13-0718	EA	10" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	1,356.80	113.23
33 14 13 13-0719	EA	10" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	1,478.52	118.62
33 14 13 13-0720	EA	12" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	1,416.89	109.63
33 14 13 13-0721	EA	12" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	1,603.76	118.62
33 14 13 13-0722	EA	12" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	1,889.86	124.91
33 14 13 13-0723	EA	12" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	1,894.28	130.29
33 14 13 13-0724	EA	12" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	1,756.22	136.58
33 14 13 13-0725	EA	14" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	2,075.50	138.38
33 14 13 13-0726	EA	14" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	2,378.60	144.67
33 14 13 13-0727	EA	14" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	3,114.03	150.06
33 14 13 13-0728	EA	14" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	3,337.22	156.35
33 14 13 13-0729	EA	14" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	3,258.59	166.24
33 14 13 13-0730	EA	16" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	2,171.75	166.24
33 14 13 13-0731	EA	16" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	2,393.25	171.63
33 14 13 13-0732	EA	16" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	2,827.78	177.92
33 14 13 13-0733	EA	16" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	2,917.52	183.31
33 14 13 13-0734	EA	16" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	3,597.08	193.20
33 14 13 13-0735	EA	16" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	3,414.00	207.58
33 14 13 13-0736	EA	18" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	3,066.65	212.97
33 14 13 13-0737	EA	18" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	3,302.59	218.36
33 14 13 13-0738	EA	18" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	3,530.58	223.75
33 14 13 13-0739	EA	18" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	3,777.56	230.04
33 14 13 13-0740	EA	18" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	3,819.63	239.93
33 14 13 13-0741	EA	18" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	3,868.60	253.41
33 14 13 13-0742	EA	18" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	3,528.95	276.77
33 14 13 13-0743	EA	20" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	3,637.35	304.63
33 14 13 13-0744	EA	20" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	3,716.90	310.92
33 14 13 13-0745	EA	20" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	4,082.57	316.31
33 14 13 13-0746	EA	20" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	4,445.16	322.60
33 14 13 13-0747	EA	20" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	4,489.79	332.49
33 14 13 13-0748	EA	20" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	4,543.00	345.97
33 14 13 13-0749	EA	20" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	5,263.30	369.33
33 14 13 13-0750	EA	20" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	4,986.38	415.15
33 14 13 13-0751	EA	24" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	4,421.83	396.28
33 14 13 13-0752	EA	24" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	4,479.26	402.57
33 14 13 13-0753	EA	24" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	4,987.75	407.96
33 14 13 13-0754	EA	24" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	5,220.27	414.26
33 14 13 13-0755	EA	24" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	6,026.50	424.14
33 14 13 13-0756	EA	24" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	6,695.98	437.62
33 14 13 13-0757	EA	24" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	7,491.93	460.99
33 14 13 13-0758	EA	24" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	8,231.60	507.71
33 14 13 13-0759	EA	24" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	7,304.21	553.55
33 14 13 13-0760	EA	30" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	9,128.67	461.88
33 14 13 13-0761	EA	30" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	10,234.17	468.17
33 14 13 13-0762	EA	30" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	10,828.50	473.57
33 14 13 13-0763	EA	30" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	11,423.99	479.86
33 14 13 13-0764	EA	30" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	12,268.45	489.74
33 14 13 13-0765	EA	30" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	13,177.62	503.22
33 14 13 13-0766	EA	30" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	13,510.32	526.59
33 14 13 13-0767	EA	30" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	13,995.85	572.42
33 14 13 13-0768	EA	30" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	14,664.76	618.25
33 14 13 13-0769	EA	30" x 30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	15,894.06	651.49
33 14 13 13-0770	EA	36" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	17,438.76	531.08
33 14 13 13-0771	EA	36" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	18,122.57	540.96
33 14 13 13-0772	EA	36" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	18,803.95	554.44
33 14 13 13-0773	EA	36" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	20,118.40	577.81
33 14 13 13-0774	EA	36" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	21,472.62	623.64
33 14 13 13-0775	EA	36" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	23,818.58	669.46
33 14 13 13-0776	EA	36" x 30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	26,682.44	702.71
33 14 13 13-0777	EA	36" x 36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	31,844.14	727.87
33 14 13 13-0778	EA	42" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	28,021.00	652.39
33 14 13 13-0779	EA	42" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	28,720.51	698.22
33 14 13 13-0780	EA	42" x 30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	30,679.12	731.47
33 14 13 13-0781	EA	42" x 36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	35,084.32	756.63
33 14 13 13-0782	EA	42" x 42" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	41,381.54	771.01
33 14 13 13-0783	EA	48" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	27,642.95	698.22
33 14 13 13-0784	EA	48" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	31,308.11	744.05

33 Utilities**33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0785 EA 48" x 30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	33,367.87	776.40
33 14 13 13-0786 EA 48" x 36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	38,037.43	802.46
33 14 13 13-0787 EA 48" x 42" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	49,736.39	816.84
33 14 13 13-0788 EA 48" x 48" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	54,604.86	839.30
33 14 13 13-0789 Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Hydrant Tee <small>(33 14 13 13-0536)</small>		
33 14 13 13-0790 EA 6" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Hydrant Tee.....	573.11	86.48
33 14 13 13-0791 EA 8" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Hydrant Tee.....	708.18	98.57
33 14 13 13-0792 EA 10" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Hydrant Tee.....	1,000.15	106.94
33 14 13 13-0793 EA 12" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Hydrant Tee.....	1,149.01	118.62
33 14 13 13-0794 EA 14" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Hydrant Tee.....	1,510.25	138.38
33 14 13 13-0795 EA 16" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Hydrant Tee.....	1,838.55	166.24
33 14 13 13-0796 EA 18" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Hydrant Tee.....	2,178.40	212.97
33 14 13 13-0797 EA 20" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Hydrant Tee.....	2,937.80	304.63
33 14 13 13-0798 EA 24" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Hydrant Tee.....	3,439.37	396.28
33 14 13 13-0799 EA 30" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Hydrant Tee.....	6,137.52	461.88
33 14 13 13-0800 Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross <small>(33 14 13 13-0536)</small>		
33 14 13 13-0801 EA 4" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	500.05	73.47
33 14 13 13-0802 EA 6" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	623.94	98.57
33 14 13 13-0803 EA 6" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	695.99	122.75
33 14 13 13-0804 EA 8" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	664.26	107.87
33 14 13 13-0805 EA 8" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	785.60	132.05
33 14 13 13-0806 EA 8" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	782.57	141.35
33 14 13 13-0807 EA 10" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	777.25	115.03
33 14 13 13-0808 EA 10" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	876.10	138.38
33 14 13 13-0809 EA 10" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	1,032.39	147.37
33 14 13 13-0810 EA 10" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	1,117.72	158.15
33 14 13 13-0811 EA 12" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	987.71	124.91
33 14 13 13-0812 EA 12" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	1,145.20	148.27
33 14 13 13-0813 EA 12" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	1,241.14	157.25
33 14 13 13-0814 EA 12" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	1,440.38	168.04
33 14 13 13-0815 EA 12" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	1,638.08	177.92
33 14 13 13-0816 EA 14" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	1,683.61	162.64
33 14 13 13-0817 EA 14" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	1,986.10	171.63
33 14 13 13-0818 EA 14" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	2,037.44	183.31
33 14 13 13-0819 EA 14" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	2,150.14	192.30
33 14 13 13-0820 EA 14" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	2,379.99	207.58
33 14 13 13-0821 EA 16" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	1,885.04	184.21
33 14 13 13-0822 EA 16" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	2,148.43	192.30
33 14 13 13-0823 EA 16" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	2,577.16	203.98
33 14 13 13-0824 EA 16" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	2,875.17	213.87
33 14 13 13-0825 EA 16" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	3,478.18	228.25
33 14 13 13-0826 EA 16" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	3,635.41	248.91
33 14 13 13-0827 EA 18" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	3,207.46	217.46
33 14 13 13-0828 EA 18" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	3,391.80	226.45
33 14 13 13-0829 EA 18" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	3,551.09	237.23
33 14 13 13-0830 EA 18" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	3,852.49	247.12
33 14 13 13-0831 EA 18" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	4,500.55	261.50
33 14 13 13-0832 EA 18" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	4,789.53	282.16
33 14 13 13-0833 EA 18" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	5,011.20	316.31
33 14 13 13-0834 EA 20" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	4,032.56	273.18
33 14 13 13-0835 EA 20" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	4,218.60	281.27
33 14 13 13-0836 EA 20" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	4,348.13	292.95
33 14 13 13-0837 EA 20" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	4,646.99	302.83
33 14 13 13-0838 EA 20" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	4,727.24	317.21
33 14 13 13-0839 EA 20" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	5,727.68	337.88
33 14 13 13-0840 EA 20" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	5,949.35	371.13
33 14 13 13-0841 EA 20" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	6,432.74	426.84
33 14 13 13-0842 EA 24" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	5,504.76	341.48
33 14 13 13-0843 EA 24" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	5,633.27	350.46
33 14 13 13-0844 EA 24" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	5,848.38	361.25
33 14 13 13-0845 EA 24" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	6,034.19	371.13
33 14 13 13-0846 EA 24" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	6,141.64	385.50
33 14 13 13-0847 EA 24" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	6,373.67	406.17
33 14 13 13-0848 EA 24" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	8,448.35	440.32
33 14 13 13-0849 EA 24" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	8,901.99	495.13



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0850 EA 24" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	9,804.69	563.43
33 14 13 13-0851 EA 30" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	8,505.67	453.80
33 14 13 13-0852 EA 30" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	8,675.16	464.58
33 14 13 13-0853 EA 30" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	8,841.42	474.46
33 14 13 13-0854 EA 30" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	9,038.97	488.84
33 14 13 13-0855 EA 30" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	9,266.75	510.41
33 14 13 13-0856 EA 30" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	9,535.17	543.66
33 14 13 13-0857 EA 30" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	9,879.17	598.48
33 14 13 13-0858 EA 30" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	12,686.72	667.66
33 14 13 13-0859 EA 30" x 30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	14,588.69	771.01
33 14 13 13-0860 EA 36" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	11,853.02	491.54
33 14 13 13-0861 EA 36" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	12,020.80	502.32
33 14 13 13-0862 EA 36" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	12,165.81	512.21
33 14 13 13-0863 EA 36" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	12,339.55	527.48
33 14 13 13-0864 EA 36" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	12,544.39	548.15
33 14 13 13-0865 EA 36" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	12,789.87	581.40
33 14 13 13-0866 EA 36" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	13,112.61	637.11
33 14 13 13-0867 EA 36" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	13,671.06	705.41
33 14 13 13-0868 EA 36" x 30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	18,396.74	808.75
33 14 13 13-0869 EA 36" x 36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	20,208.12	847.39
33 14 13 13-0870 EA 42" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	15,893.35	534.67
33 14 13 13-0871 EA 42" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	16,226.05	549.05
33 14 13 13-0872 EA 42" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	16,424.94	570.62
33 14 13 13-0873 EA 42" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	16,702.71	603.87
33 14 13 13-0874 EA 42" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	17,201.40	659.58
33 14 13 13-0875 EA 42" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	18,234.15	727.87
33 14 13 13-0876 EA 42" x 30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	22,143.83	831.22
33 14 13 13-0877 EA 42" x 36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	28,895.42	868.96
33 14 13 13-0878 EA 42" x 42" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	30,957.81	891.42
33 14 13 13-0879 EA 48" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	21,476.35	622.74
33 14 13 13-0880 EA 48" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	21,622.90	637.11
33 14 13 13-0881 EA 48" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	21,819.23	657.78
33 14 13 13-0882 EA 48" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	22,035.80	691.03
33 14 13 13-0883 EA 48" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	22,327.96	746.74
33 14 13 13-0884 EA 48" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	22,824.35	815.04
33 14 13 13-0885 EA 48" x 30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	24,162.78	918.38
33 14 13 13-0886 EA 48" x 36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	29,586.67	957.02
33 14 13 13-0887 EA 48" x 42" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	38,011.32	979.48
33 14 13 13-0888 EA 48" x 48" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	40,485.00	1,066.65

33 14 13 13-0889 Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducers (33 14 13 13-0536)

33 14 13 13-0890 EA 6" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	348.87	48.36
33 14 13 13-0891 EA 8" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	453.45	54.87
33 14 13 13-0892 EA 8" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	474.96	64.17
33 14 13 13-0893 EA 10" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	551.91	58.41
33 14 13 13-0894 EA 10" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	580.68	67.40
33 14 13 13-0895 EA 10" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	605.83	73.69
33 14 13 13-0896 EA 12" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	636.54	64.70
33 14 13 13-0897 EA 12" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	705.27	73.69
33 14 13 13-0898 EA 12" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	719.37	79.08
33 14 13 13-0899 EA 12" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	752.70	85.37
33 14 13 13-0900 EA 14" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	1,087.34	83.57
33 14 13 13-0901 EA 14" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	1,096.34	88.97
33 14 13 13-0902 EA 14" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	963.07	95.26
33 14 13 13-0903 EA 14" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	984.80	100.65
33 14 13 13-0904 EA 16" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	1,302.06	97.05
33 14 13 13-0905 EA 16" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	1,267.71	103.34
33 14 13 13-0906 EA 16" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	1,196.49	108.74
33 14 13 13-0907 EA 16" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	1,185.93	114.13
33 14 13 13-0908 EA 16" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	1,338.50	124.01

33 Utilities**33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0909 EA 18" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	1,426.16	125.81
33 14 13 13-0910 EA 18" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	1,603.14	132.09
33 14 13 13-0911 EA 18" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	1,537.33	137.48
33 14 13 13-0912 EA 18" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	1,829.29	147.37
33 14 13 13-0913 EA 18" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	1,618.16	161.75
33 14 13 13-0914 EA 20" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	1,901.49	172.53
33 14 13 13-0915 EA 20" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	1,918.66	177.92
33 14 13 13-0916 EA 20" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	1,754.25	184.21
33 14 13 13-0917 EA 20" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	1,758.07	194.10
33 14 13 13-0918 EA 20" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	1,724.59	207.58
33 14 13 13-0919 EA 20" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	2,032.64	230.94
33 14 13 13-0920 EA 24" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	2,401.91	230.04
33 14 13 13-0921 EA 24" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	2,440.58	239.93
33 14 13 13-0922 EA 24" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	2,488.70	253.41
33 14 13 13-0923 EA 24" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	2,464.40	276.77
33 14 13 13-0924 EA 24" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	2,844.53	322.60
33 14 13 13-0925 EA 30" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	4,314.70	285.76
33 14 13 13-0926 EA 30" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	4,503.75	309.12
33 14 13 13-0927 EA 30" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	4,367.93	355.85
33 14 13 13-0928 EA 30" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	3,752.49	401.67
33 14 13 13-0929 EA 36" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	5,692.74	381.01
33 14 13 13-0930 EA 36" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	5,328.05	426.84
33 14 13 13-0931 EA 36" x 30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	5,690.35	460.09
33 14 13 13-0932 EA 42" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	8,302.98	326.20
33 14 13 13-0933 EA 42" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	8,266.78	349.56
33 14 13 13-0934 EA 42" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	8,310.31	395.38
33 14 13 13-0935 EA 42" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	8,651.12	441.21
33 14 13 13-0936 EA 42" x 30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	7,126.42	474.46
33 14 13 13-0937 EA 42" x 36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	7,459.28	499.63
33 14 13 13-0938 EA 48" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	10,432.76	348.66
33 14 13 13-0939 EA 48" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	10,112.66	372.03
33 14 13 13-0940 EA 48" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	9,636.82	417.85
33 14 13 13-0941 EA 48" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	9,935.13	464.58
33 14 13 13-0942 EA 48" x 30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	11,875.90	496.93
33 14 13 13-0943 EA 48" x 36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	10,316.65	522.09
33 14 13 13-0944 EA 48" x 42" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	11,327.71	536.47
33 14 13 13-0945 Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Caps <small>(33 14 13 13-0536)</small>		
33 14 13 13-0946 EA 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Caps.....	279.19	90.20
33 14 13 13-0947 EA 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Caps.....	398.29	112.52
33 14 13 13-0948 EA 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Caps.....	522.09	128.33
33 14 13 13-0949 EA 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Caps.....	711.78	197.69
33 14 13 13-0950 EA 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Caps.....	879.26	215.66
33 14 13 13-0951 EA 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Caps.....	995.25	237.23
33 14 13 13-0952 EA 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Caps.....	1,197.53	263.29
33 14 13 13-0953 EA 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Caps.....	1,396.20	296.54



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0954 EA 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Caps	1,673.75	338.78
33 14 13 13-0955 EA 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Caps	2,124.82	395.38
33 14 13 13-0956 EA 30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Caps	3,723.64	474.46
33 14 13 13-0957 EA 36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Caps	6,003.71	593.09
33 14 13 13-0958 EA 42" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Caps	8,575.33	711.70
33 14 13 13-0959 EA 48" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Caps	10,180.10	790.78
33 14 13 13-0960 Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Plug <small>(33 14 13 13-0536)</small>		
33 14 13 13-0961 EA 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Plug.....	287.69	90.20
33 14 13 13-0962 EA 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Plug.....	420.39	112.52
33 14 13 13-0963 EA 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Plug.....	544.19	128.33
33 14 13 13-0964 EA 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Plug.....	838.43	197.69
33 14 13 13-0965 EA 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Plug.....	908.16	215.66
33 14 13 13-0966 EA 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Plug.....	1,179.70	237.23
33 14 13 13-0967 EA 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Plug.....	1,410.88	263.29
33 14 13 13-0968 EA 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Plug.....	1,669.05	296.54
33 14 13 13-0969 EA 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Plug.....	2,042.65	338.78
33 14 13 13-0970 EA 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Plug.....	2,650.12	395.38
33 14 13 13-0971 EA 30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Plug.....	4,449.54	474.46
33 14 13 13-0972 EA 36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Plug.....	6,455.06	593.09
33 14 13 13-0973 EA 42" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Plug.....	8,632.28	711.70
33 14 13 13-0974 EA 48" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Plug.....	11,387.95	790.78
33 14 13 13-0975 Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters <small>(33 14 13 13-0536)</small>		
33 14 13 13-0976 EA 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters	417.94	134.84
33 14 13 13-0977 EA 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters	565.98	169.25
33 14 13 13-0978 EA 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters	728.32	192.50
33 14 13 13-0979 EA 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters	1,085.10	296.54
33 14 13 13-0980 EA 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters	1,278.95	323.50
33 14 13 13-0981 EA 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters	1,635.67	355.85
33 14 13 13-0982 EA 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters	1,851.97	395.38
33 14 13 13-0983 EA 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters	2,389.25	444.81
33 14 13 13-0984 EA 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters	2,766.89	508.61
33 14 13 13-0985 EA 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters	3,337.26	593.09
33 14 13 13-0986 EA 30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters	5,128.58	711.70
33 14 13 13-0987 EA 36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters	6,933.27	889.62
33 14 13 13-0988 EA 42" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters	9,327.33	1,016.33
33 14 13 13-0989 EA 48" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters	11,550.12	1,186.16
33 14 13 13-0990 Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Long Sleeves <small>(33 14 13 13-0536)</small>		
33 14 13 13-0991 EA 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Long Sleeves	405.19	134.84
33 14 13 13-0992 EA 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Long Sleeves	580.43	169.25
33 14 13 13-0993 EA 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Long Sleeves	767.42	192.50
33 14 13 13-0994 EA 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Long Sleeves	1,030.70	296.54
33 14 13 13-0995 EA 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Long Sleeves	1,227.95	323.50
33 14 13 13-0996 EA 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Long Sleeves	1,526.87	355.85
33 14 13 13-0997 EA 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Long Sleeves	1,794.17	395.38
33 14 13 13-0998 EA 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Long Sleeves	2,127.45	444.81
33 14 13 13-0999 EA 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Long Sleeves	2,471.94	508.61
33 14 13 13-1000 EA 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Long Sleeves	3,066.96	593.09
33 14 13 13-1001 EA 30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Long Sleeves	4,988.33	711.70
33 14 13 13-1002 EA 36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Long Sleeves	6,464.92	889.62
33 14 13 13-1003 EA 42" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Long Sleeves	8,337.86	1,015.43
33 14 13 13-1004 EA 48" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Long Sleeves	12,208.87	1,186.16
33 14 13 13-1005 Push-On Joint Ductile Iron Piping <small>(33 14 13 13-0001)</small>		
33 14 13 13-1006 Push-On Joint Ductile Iron Pipe <small>(33 14 13 13-1005)</small>		
Note: Conforming to ANSI/AWWA C151/A21.51, federal specification WW-P-421D class 50.		

33 Utilities**33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-1007 LF 4" Push-On Joint Ductile Iron Pipe.....	24.58	7.67
For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	9.07	
For Cement Mortar Lining (CML), Add	1.30	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	0.97	
Note: ANSI/AWWA C151/A21.51		
For >1,000, Deduct	-1.23	
For Class 51, Add	1.26	
For Class 52, Add	2.82	
For Class 53, Add	7.38	
For Class 54, Add	10.51	
For Class 55, Add	12.11	
For Class 56, Add	13.68	
33 14 13 13-1008 LF 6" Push-On Joint Ductile Iron Pipe.....	26.96	8.46
For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	9.95	
For Cement Mortar Lining (CML), Add	1.42	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	1.07	
Note: ANSI/AWWA C151/A21.51		
For >1,000, Deduct	-1.35	
For Class 51, Add	1.39	
For Class 52, Add	3.09	
For Class 53, Add	8.10	
For Class 54, Add	11.54	
For Class 55, Add	13.29	
For Class 56, Add	15.01	
33 14 13 13-1009 LF 8" Push-On Joint Ductile Iron Pipe.....	33.39	9.30
For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	13.61	
For Cement Mortar Lining (CML), Add	1.94	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	1.46	
Note: ANSI/AWWA C151/A21.51		
For >1,000, Deduct	-1.67	
For Class 51, Add	1.85	
For Class 52, Add	4.14	
For Class 53, Add	10.94	
For Class 54, Add	15.60	
For Class 55, Add	17.95	
For Class 56, Add	20.26	
33 14 13 13-1010 LF 10" Push-On Joint Ductile Iron Pipe.....	47.63	13.39
For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	16.45	
For Cement Mortar Lining (CML), Add	2.74	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	2.06	
Note: ANSI/AWWA C151/A21.51		
For >1,000, Deduct	-2.38	
For Class 51, Add	2.62	
For Class 52, Add	5.85	
For Class 53, Add	15.45	
For Class 54, Add	22.03	
For Class 55, Add	25.35	
For Class 56, Add	28.62	
33 14 13 13-1011 LF 12" Push-On Joint Ductile Iron Pipe.....	55.16	14.82
For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	16.35	
For Cement Mortar Lining (CML), Add	3.27	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	2.45	
Note: ANSI/AWWA C151/A21.51		
For >1,000, Deduct	-2.76	
For Class 51, Add	3.10	
For Class 52, Add	6.94	
For Class 53, Add	18.36	
For Class 54, Add	26.18	
For Class 55, Add	30.12	
For Class 56, Add	34.00	
33 14 13 13-1012 LF 14" Push-On Joint Ductile Iron Pipe.....	66.91	16.72
For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	18.33	
For Cement Mortar Lining (CML), Add	4.17	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	3.12	
Note: ANSI/AWWA C151/A21.51		
For >1,000, Deduct	-3.35	
For Class 51, Add	3.91	
For Class 52, Add	8.76	
For Class 53, Add	23.27	
For Class 54, Add	33.19	
For Class 55, Add	38.18	
For Class 56, Add	43.07	



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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-1013 LF 16" Push-On Joint Ductile Iron Pipe.....	79.15	19.06
For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	20.63	
For Cement Mortar Lining (CML), Add	5.03	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	3.77	
Note: ANSI/AWWA C151/A21.51		
For >1,000, Deduct	-3.96	
For Class 51, Add	4.70	
For Class 52, Add	10.54	
For Class 53, Add	28.04	
For Class 54, Add	40.00	
For Class 55, Add	46.00	
For Class 56, Add	51.89	
33 14 13 13-1014 LF 18" Push-On Joint Ductile Iron Pipe.....	92.11	22.28
For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	23.95	
For Cement Mortar Lining (CML), Add	5.84	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	4.38	
Note: ANSI/AWWA C151/A21.51		
For >1,000, Deduct	-4.61	
For Class 51, Add	5.46	
For Class 52, Add	12.24	
For Class 53, Add	32.57	
For Class 54, Add	46.46	
For Class 55, Add	53.43	
For Class 56, Add	60.27	
33 14 13 13-1015 LF 20" Push-On Joint Ductile Iron Pipe.....	106.53	26.69
For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	25.11	
For Cement Mortar Lining (CML), Add	6.61	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	4.96	
Note: ANSI/AWWA C151/A21.51		
For >1,000, Deduct	-5.33	
For Class 51, Add	6.21	
For Class 52, Add	13.91	
For Class 53, Add	36.93	
For Class 54, Add	52.67	
For Class 55, Add	60.59	
For Class 56, Add	68.36	
33 14 13 13-1016 LF 24" Push-On Joint Ductile Iron Pipe.....	134.67	33.34
For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	26.06	
For Cement Mortar Lining (CML), Add	8.41	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	6.31	
Note: ANSI/AWWA C151/A21.51		
For >1,000, Deduct	-6.73	
For Class 51, Add	7.89	
For Class 52, Add	17.67	
For Class 53, Add	46.96	
For Class 54, Add	66.97	
For Class 55, Add	77.03	
For Class 56, Add	86.91	
33 14 13 13-1017 LF 30" Push-On Joint Ductile Iron Pipe.....	158.57	35.59
For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	32.44	
For Cement Mortar Lining (CML), Add	10.47	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	7.85	
Note: ANSI/AWWA C151/A21.51		
For >1,000, Deduct	-7.93	
For Class 51, Add	9.71	
For Class 52, Add	21.77	
For Class 53, Add	58.10	
For Class 54, Add	82.90	
For Class 55, Add	95.31	
For Class 56, Add	107.49	
33 14 13 13-1018 LF 36" Push-On Joint Ductile Iron Pipe.....	195.10	37.83
For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	42.71	
For Cement Mortar Lining (CML), Add	13.78	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	10.33	
Note: ANSI/AWWA C151/A21.51		
For >1,000, Deduct	-9.76	
For Class 51, Add	12.61	
For Class 52, Add	28.31	
For Class 53, Add	75.98	
For Class 54, Add	108.45	
For Class 55, Add	124.61	
For Class 56, Add	140.49	

33 Utilities**33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-1019 LF 42" Push-On Joint Ductile Iron Pipe.....	236.33	40.08
For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	54.46	
For Cement Mortar Lining (CML), Add	17.57	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	13.18	
Note: ANSI/AWWA C151/A21.51		
For >1,000, Deduct	-11.82	
For Class 51, Add	15.92	
For Class 52, Add	35.79	
For Class 53, Add	96.42	
For Class 54, Add	137.67	
For Class 55, Add	158.13	
For Class 56, Add	178.21	
33 14 13 13-1020 LF 48" Push-On Joint Ductile Iron Pipe.....	283.08	42.24
For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	67.89	
For Cement Mortar Lining (CML), Add	21.90	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	16.43	
Note: ANSI/AWWA C151/A21.51		
For >1,000, Deduct	-14.15	
For Class 51, Add	19.70	
For Class 52, Add	44.33	
For Class 53, Add	119.77	
For Class 54, Add	171.05	
For Class 55, Add	196.40	
For Class 56, Add	221.30	
33 14 13 13-1021 LF 54" Push-On Joint Ductile Iron Pipe.....	356.70	44.48
For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	89.68	
For Cement Mortar Lining (CML), Add	28.93	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	21.70	
Note: ANSI/AWWA C151/A21.51		
For >1,000, Deduct	-17.84	
For Class 51, Add	25.81	
For Class 52, Add	58.13	
For Class 53, Add	157.56	
For Class 54, Add	225.09	
For Class 55, Add	258.36	
For Class 56, Add	291.03	
33 14 13 13-1022 Push-On Joint Ductile Iron 90 Degree Elbow (33 14 13 13-1005)		
33 14 13 13-1023 EA 4" 90 Degree Elbow, Push-On Joint Ductile Iron	154.20	29.95
For Cement Mortar Lining (CML), Add	10.88	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	8.16	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-1024 EA 6" 90 Degree Elbow, Push-On Joint Ductile Iron	223.82	44.17
For Cement Mortar Lining (CML), Add	15.69	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	11.76	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-1025 EA 8" 90 Degree Elbow, Push-On Joint Ductile Iron	297.10	52.45
For Cement Mortar Lining (CML), Add	21.76	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	16.32	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-1026 EA 10" 90 Degree Elbow, Push-On Joint Ductile Iron	451.23	59.13
For Cement Mortar Lining (CML), Add	32.89	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	24.67	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-1027 EA 12" 90 Degree Elbow, Push-On Joint Ductile Iron	578.57	69.37
For Cement Mortar Lining (CML), Add	43.52	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	32.64	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-1028 EA 14" 90 Degree Elbow, Push-On Joint Ductile Iron	1,115.34	77.81
For Cement Mortar Lining (CML), Add	95.45	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	71.58	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-1029 EA 16" 90 Degree Elbow, Push-On Joint Ductile Iron	1,261.33	88.97
For Cement Mortar Lining (CML), Add	107.75	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	80.81	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-1030 EA 18" 90 Degree Elbow, Push-On Joint Ductile Iron	1,957.75	124.54
For Cement Mortar Lining (CML), Add	170.04	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	127.53	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-1031 EA 20" 90 Degree Elbow, Push-On Joint Ductile Iron	2,208.04	156.98
For Cement Mortar Lining (CML), Add	189.41	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	142.06	
Note: ANSI/AWWA C151/A21.51		



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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-1032 EA 24" 90 Degree Elbow, Push-On Joint Ductile Iron <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	2,757.18 236.48 177.36	196.25
33 14 13 13-1033 Push-On Joint Ductile Iron 45 Degree Elbow <small>(33 14 13 13-1005)</small>		
33 14 13 13-1034 EA 4" 45 Degree Elbow, Push-On Joint Ductile Iron <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	129.45 8.41 6.31	29.95
33 14 13 13-1035 EA 6" 45 Degree Elbow, Push-On Joint Ductile Iron <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	190.55 12.36 9.27	44.17
33 14 13 13-1036 EA 8" 45 Degree Elbow, Push-On Joint Ductile Iron <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	261.30 18.18 13.63	52.45
33 14 13 13-1037 EA 10" 45 Degree Elbow, Push-On Joint Ductile Iron <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	401.81 27.95 20.96	59.13
33 14 13 13-1038 EA 12" 45 Degree Elbow, Push-On Joint Ductile Iron <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	515.59 37.22 27.92	69.37
33 14 13 13-1039 EA 14" 45 Degree Elbow, Push-On Joint Ductile Iron <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	722.09 56.12 42.09	77.81
33 14 13 13-1040 EA 16" 45 Degree Elbow, Push-On Joint Ductile Iron <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	1,055.41 87.16 65.37	88.97
33 14 13 13-1041 EA 18" 45 Degree Elbow, Push-On Joint Ductile Iron <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	1,225.21 96.79 72.59	124.54
33 14 13 13-1042 EA 20" 45 Degree Elbow, Push-On Joint Ductile Iron <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	1,706.50 139.26 104.44	156.98
33 14 13 13-1043 EA 24" 45 Degree Elbow, Push-On Joint Ductile Iron <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	2,118.39 172.60 129.45	196.25
33 14 13 13-1044 Push-On Joint Ductile Iron Tee <small>(33 14 13 13-1005)</small>		
33 14 13 13-1045 EA 4" Tee, Push-On Joint Ductile Iron..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	235.22 16.83 12.62	44.17
33 14 13 13-1046 EA 6" Tee, Push-On Joint Ductile Iron..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	328.63 23.02 17.27	64.91
33 14 13 13-1047 EA 8" Tee, Push-On Joint Ductile Iron..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	445.72 32.64 24.48	78.67
33 14 13 13-1048 EA 10" Tee, Push-On Joint Ductile Iron..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	648.41 51.36 38.52	89.86
33 14 13 13-1049 EA 12" Tee, Push-On Joint Ductile Iron..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	804.97 64.77 48.58	103.60

33 Utilities**33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-1050 EA 14" Tee, Push-On Joint Ductile Iron..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,281.30 109.26 81.94	124.54
33 14 13 13-1051 EA 16" Tee, Push-On Joint Ductile Iron..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,843.38 160.75 120.56	155.73
33 14 13 13-1052 EA 18" Tee, Push-On Joint Ductile Iron..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	2,321.23 200.64 150.48	207.76
33 14 13 13-1053 EA 20" Tee, Push-On Joint Ductile Iron..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	2,738.44 235.44 176.58	253.49
33 14 13 13-1054 EA 24" Tee, Push-On Joint Ductile Iron..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	3,581.30 310.13 232.59	316.85
33 14 13 13-1055 Flanged End x Push-On Joint Ductile Iron Adapters (33 14 13 13-1005)		
33 14 13 13-1056 EA 4" Flanged End x Push-On Joint Adapter, Ductile Iron For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	266.21 10.88 8.16	103.88
33 14 13 13-1057 EA 6" Flanged End x Push-On Joint Adapter, Ductile Iron For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	326.77 13.19 9.89	128.61
33 14 13 13-1058 EA 8" Flanged End x Push-On Joint Adapter, Ductile Iron For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	416.96 18.96 14.22	150.00
33 14 13 13-1059 EA 10" Flanged End x Push-On Joint Adapter, Ductile Iron For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	584.34 24.74 18.55	222.41
33 14 13 13-1060 EA 12" Flanged End x Push-On Joint Adapter, Ductile Iron For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	698.44 31.33 23.50	254.22
33 14 13 13-1061 EA 14" Flanged End x Push-On Joint Adapter, Ductile Iron For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	794.03 37.93 28.45	273.72
33 14 13 13-1062 EA 16" Flanged End x Push-On Joint Adapter, Ductile Iron For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	927.53 47.82 35.87	296.54
33 14 13 13-1063 EA 18" Flanged End x Push-On Joint Adapter, Ductile Iron For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,099.85 56.07 42.05	355.85
33 14 13 13-1064 EA 20" Flanged End x Push-On Joint Adapter, Ductile Iron For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,266.94 66.79 50.09	395.38
33 14 13 13-1065 EA 24" Flanged End x Push-On Joint Adapter, Ductile Iron For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,565.24 87.40 65.55	456.22
33 14 13 13-1066 EA 30" Flanged End x Push-On Joint Adapter, Ductile Iron For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	2,398.08 156.86 117.65	547.43



	MINOR CSI UOM DESCRIPTION		TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-1067	EA 36" Flanged End x Push-On Joint Adapter, Ductile Iron <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	.....	3,274.98 223.81 167.86	684.29
33 14 13 13-1068	EA 42" Flanged End x Push-On Joint Adapter, Ductile Iron <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	.....	4,096.23 289.81 217.36	790.78
33 14 13 13-1069	EA 48" Flanged End x Push-On Joint Adapter, Ductile Iron <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	.....	5,232.42 369.19 276.90	1,016.69
33 14 13 13-1070	EA 54" Flanged End x Push-On Joint Adapter, Ductile Iron <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	.....	6,328.69 453.10 339.82	1,186.43
33 14 13 13-1071	Push-On Joint Ductile Iron Pipe And Fitting Restraints <small>(33 14 13 13-1005)</small> <i>Note: Includes ductile iron follower gland, restraint ring and all nuts and bolts. Excludes pipe and fitting.</i>			
33 14 13 13-1072	EA 4" Pipe And Fitting Restraint, Push-On Joint Ductile Iron	.....	33.52	11.25
33 14 13 13-1073	EA 6" Pipe And Fitting Restraint, Push-On Joint Ductile Iron	.....	37.10	11.25
33 14 13 13-1074	EA 8" Pipe And Fitting Restraint, Push-On Joint Ductile Iron	.....	50.09	16.18
33 14 13 13-1075	EA 10" Pipe And Fitting Restraint, Push-On Joint Ductile Iron	.....	59.98	17.79
33 14 13 13-1076	EA 12" Pipe And Fitting Restraint, Push-On Joint Ductile Iron	.....	71.15	19.77
33 14 13 13-1077	EA 14" Pipe And Fitting Restraint, Push-On Joint Ductile Iron	.....	89.41	22.20
33 14 13 13-1078	EA 16" Pipe And Fitting Restraint, Push-On Joint Ductile Iron	.....	105.37	25.43
33 14 13 13-1079	EA 18" Pipe And Fitting Restraint, Push-On Joint Ductile Iron	.....	121.82	29.66
33 14 13 13-1080	EA 20" Pipe And Fitting Restraint, Push-On Joint Ductile Iron	.....	142.29	35.59
33 14 13 13-1081	EA 24" Pipe And Fitting Restraint, Push-On Joint Ductile Iron	.....	167.55	35.59
33 14 13 13-1082	EA 30" Pipe And Fitting Restraint, Push-On Joint Ductile Iron	.....	221.29	44.48
33 14 13 13-1083	EA 36" Pipe And Fitting Restraint, Push-On Joint Ductile Iron	.....	279.94	44.48
33 14 13 13-1084	EA 42" Pipe And Fitting Restraint, Push-On Joint Ductile Iron	.....	360.38	59.31
33 14 13 13-1085	EA 48" Pipe And Fitting Restraint, Push-On Joint Ductile Iron	.....	412.50	59.31
33 14 13 13-1086	EA 54" Pipe And Fitting Restraint, Push-On Joint Ductile Iron	.....	556.73	59.31
33 14 13 13-1087	Push-On Joint Ductile Iron Bell Restraint Harness (Megalug 1700) <small>(33 14 13 13-1005)</small>			
33 14 13 13-1088	EA 4" Bell Restraint Harness, Ductile Iron (Megalug 1700)	.....	168.16	60.65
33 14 13 13-1089	EA 6" Bell Restraint Harness, Ductile Iron (Megalug 1700)	.....	218.84	74.05
33 14 13 13-1090	EA 8" Bell Restraint Harness, Ductile Iron (Megalug 1700)	.....	279.43	90.31
33 14 13 13-1091	EA 10" Bell Restraint Harness, Ductile Iron (Megalug 1700)	.....	409.22	110.17
33 14 13 13-1092	EA 12" Bell Restraint Harness, Ductile Iron (Megalug 1700)	.....	506.57	134.34
33 14 13 13-1093	EA 14" Bell Restraint Harness, Ductile Iron (Megalug 1700)	.....	842.09	163.91
33 14 13 13-1094	EA 16" Bell Restraint Harness, Ductile Iron (Megalug 1700)	.....	967.34	200.03
33 14 13 13-1095	EA 18" Bell Restraint Harness, Ductile Iron (Megalug 1700)	.....	1,106.06	243.98
33 14 13 13-1096	EA 20" Bell Restraint Harness, Ductile Iron (Megalug 1700)	.....	1,487.64	297.71
33 14 13 13-1097	EA 24" Bell Restraint Harness, Ductile Iron (Megalug 1700)	.....	1,889.93	363.13
33 14 13 13-1098	EA 30" Bell Restraint Harness, Ductile Iron (Megalug 1700)	.....	3,176.94	443.11
33 14 13 13-1099	EA 36" Bell Restraint Harness, Ductile Iron (Megalug 1700)	.....	4,466.95	540.51
33 14 13 13-1100	EA 42" Bell Restraint Harness, Ductile Iron (Megalug 1700)	.....	7,965.09	659.49
33 14 13 13-1101	EA 48" Bell Restraint Harness, Ductile Iron (Megalug 1700)	.....	10,281.90	804.53
33 14 13 13-1102	Ductile Iron Pipe Repair <small>(33 14 13 13-0001)</small> See CSI section 33 14 13 13-0002 for mechanical joint fittings.			
33 14 13 13-1103	Ductile Iron Pipe Repair <small>(33 14 13 13-1102)</small> <i>Note: Includes two transition sleeves, mechanical joint ductile iron sleeve and 16' of ductile iron pipe.</i>			
33 14 13 13-1104	EA 30" Diameter Mechanical Ductile Iron Push Joint	.....	2,428.63	
33 14 13 13-1105	EA 36" Diameter Mechanical Ductile Iron Push Joint	.....	3,068.42	
33 14 13 13-1106	EA 42" Diameter Mechanical Ductile Iron Push Joint	.....	3,850.75	
33 14 13 13-1107	EA 48" Diameter Mechanical Ductile Iron Push Joint	.....	4,824.91	
33 14 13 13-1108	EA 54" Diameter Mechanical Ductile Iron Push Joint	.....	6,951.52	
33 14 13 13-1109	WEKO Seals <small>(33 14 13 13-1102)</small> <i>Note: Internal joint seal.</i>			
33 14 13 13-1110	EA 16" WEKO Internal Joint Seal <i>For Extra Wide Seals, Add</i>	.....	1,311.61 82.96	171.11
33 14 13 13-1111	EA 18" WEKO Internal Joint Seal <i>For Extra Wide Seals, Add</i>	.....	1,396.83 83.69	180.67
33 14 13 13-1112	EA 20" WEKO Internal Joint Seal <i>For Extra Wide Seals, Add</i>	.....	1,481.91 84.41	190.24
33 14 13 13-1113	EA 24" WEKO Internal Joint Seal <i>For Extra Wide Seals, Add</i>	.....	1,571.28 85.57	205.47
33 14 13 13-1114	EA 30" WEKO Internal Joint Seal <i>For Extra Wide Seals, Add</i>	.....	1,624.81 86.72	220.68

33 Utilities**33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-1115 EA 36" WEKO Internal Joint Seal..... <i>For Extra Wide Seals, Add</i>	1,707.40 88.16	239.71
33 14 13 13-1116 EA 42" WEKO Internal Joint Seal..... <i>For Extra Wide Seals, Add</i>	1,822.64 89.89	262.54
33 14 13 13-1117 EA 48" WEKO Internal Joint Seal..... <i>For Extra Wide Seals, Add</i>	1,967.96 91.33	281.57
33 14 13 13-1118 EA 54" WEKO Internal Joint Seal..... <i>For Extra Wide Seals, Add</i>	2,043.01 92.48	296.78
33 14 13 13-1119 EA 60" WEKO Internal Joint Seal..... <i>For Extra Wide Seals, Add</i>	2,133.16 94.21	319.62
33 14 13 23 Plastic Public Water Utility Distribution Piping (33 14 13)		
33 14 13 23-0001 AWWA C900/C905 Polyvinyl Chloride (PVC) Pipe (33 14 13 23) Note: Includes hub on one end of pipe. C900 is available in blue, white, purple or green.		
33 14 13 23-0002 AWWA C900, DR 25, PR 100 Polyvinyl Chloride (PVC) Pipe (33 14 13 23-0001)		
33 14 13 23-0003 LF 4" AWWA C900, DR 25, PR 100 Polyvinyl Chloride (PVC) Pipe.....	7.76	2.88
33 14 13 23-0004 LF 6" AWWA C900, DR 25, PR 100 Polyvinyl Chloride (PVC) Pipe.....	11.06	3.48
33 14 13 23-0005 LF 8" AWWA C900, DR 25, PR 100 Polyvinyl Chloride (PVC) Pipe.....	14.88	3.92
33 14 13 23-0006 LF 10" AWWA C900, DR 25, PR 100 Polyvinyl Chloride (PVC) Pipe.....	19.34	4.36
33 14 13 23-0007 LF 12" AWWA C900, DR 25, PR 100 Polyvinyl Chloride (PVC) Pipe.....	24.79	4.88
33 14 13 23-0008 AWWA C900, DR 18, PR 150 Polyvinyl Chloride (PVC) Pipe (33 14 13 23-0001)		
33 14 13 23-0009 LF 4" AWWA C900, DR 18, PR 150 Polyvinyl Chloride (PVC) Pipe.....	8.47	2.88
33 14 13 23-0010 LF 6" AWWA C900, DR 18, PR 150 Polyvinyl Chloride (PVC) Pipe.....	12.55	3.48
33 14 13 23-0011 LF 8" AWWA C900, DR 18, PR 150 Polyvinyl Chloride (PVC) Pipe.....	17.39	3.92
33 14 13 23-0012 LF 10" AWWA C900, DR 18, PR 150 Polyvinyl Chloride (PVC) Pipe.....	23.24	4.36
33 14 13 23-0013 LF 12" AWWA C900, DR 18, PR 150 Polyvinyl Chloride (PVC) Pipe.....	30.24	4.88
33 14 13 23-0014 AWWA C900, DR 14, PR 200 Polyvinyl Chloride (PVC) Pipe (33 14 13 23-0001)		
33 14 13 23-0015 LF 4" AWWA C900, DR 14, PR 200 Polyvinyl Chloride (PVC) Pipe.....	9.18	2.88
33 14 13 23-0016 LF 6" AWWA C900, DR 14, PR 200 Polyvinyl Chloride (PVC) Pipe.....	14.03	3.48
33 14 13 23-0017 LF 8" AWWA C900, DR 14, PR 200 Polyvinyl Chloride (PVC) Pipe.....	19.90	3.92
33 14 13 23-0018 LF 10" AWWA C900, DR 14, PR 200 Polyvinyl Chloride (PVC) Pipe.....	27.06	4.36
33 14 13 23-0019 LF 12" AWWA C900, DR 14, PR 200 Polyvinyl Chloride (PVC) Pipe.....	35.68	4.88
33 14 13 23-0020 AWWA C905, DR 51, PR 80 Polyvinyl Chloride (PVC) Pipe (33 14 13 23-0001)		
33 14 13 23-0021 LF 18" AWWA C905, DR 51, PR 80 Polyvinyl Chloride (PVC) Pipe.....	31.40	7.32
33 14 13 23-0022 LF 20" AWWA C905, DR 51, PR 80 Polyvinyl Chloride (PVC) Pipe.....	38.09	8.71
33 14 13 23-0023 LF 24" AWWA C905, DR 51, PR 80 Polyvinyl Chloride (PVC) Pipe.....	50.09	10.46
33 14 13 23-0024 LF 30" AWWA C905, DR 51, PR 80 Polyvinyl Chloride (PVC) Pipe.....	69.99	12.20
33 14 13 23-0025 LF 36" AWWA C905, DR 51, PR 80 Polyvinyl Chloride (PVC) Pipe.....	94.28	13.94
33 14 13 23-0026 LF 42" AWWA C905, DR 51, PR 80 Polyvinyl Chloride (PVC) Pipe.....	117.13	14.81
33 14 13 23-0027 LF 48" AWWA C905, DR 51, PR 80 Polyvinyl Chloride (PVC) Pipe.....	146.02	15.95
33 14 13 23-0028 AWWA C905, DR 41, PR 100 Polyvinyl Chloride (PVC) Pipe (33 14 13 23-0001)		
33 14 13 23-0029 LF 14" AWWA C905, DR 41, PR 100 Polyvinyl Chloride (PVC) Pipe.....	23.20	5.49
33 14 13 23-0030 LF 16" AWWA C905, DR 41, PR 100 Polyvinyl Chloride (PVC) Pipe.....	28.51	6.10
33 14 13 23-0031 LF 18" AWWA C905, DR 41, PR 100 Polyvinyl Chloride (PVC) Pipe.....	35.17	7.32
33 14 13 23-0032 LF 20" AWWA C905, DR 41, PR 100 Polyvinyl Chloride (PVC) Pipe.....	42.99	8.71
33 14 13 23-0033 LF 24" AWWA C905, DR 41, PR 100 Polyvinyl Chloride (PVC) Pipe.....	57.65	10.46
33 14 13 23-0034 LF 30" AWWA C905, DR 41, PR 100 Polyvinyl Chloride (PVC) Pipe.....	80.84	12.20
33 14 13 23-0035 LF 36" AWWA C905, DR 41, PR 100 Polyvinyl Chloride (PVC) Pipe.....	108.79	13.94
33 14 13 23-0036 LF 42" AWWA C905, DR 41, PR 100 Polyvinyl Chloride (PVC) Pipe.....	141.27	14.81
33 14 13 23-0037 LF 48" AWWA C905, DR 41, PR 100 Polyvinyl Chloride (PVC) Pipe.....	177.35	15.95
33 14 13 23-0038 AWWA C905, DR 32.5, PR 125 Polyvinyl Chloride (PVC) Pipe (33 14 13 23-0001)		
33 14 13 23-0039 LF 14" AWWA C905, DR 32.5, PR 125 Polyvinyl Chloride (PVC) Pipe.....	26.11	5.49
33 14 13 23-0040 LF 16" AWWA C905, DR 32.5, PR 125 Polyvinyl Chloride (PVC) Pipe.....	32.54	6.10
33 14 13 23-0041 LF 18" AWWA C905, DR 32.5, PR 125 Polyvinyl Chloride (PVC) Pipe.....	40.18	7.32
33 14 13 23-0042 LF 20" AWWA C905, DR 32.5, PR 125 Polyvinyl Chloride (PVC) Pipe.....	49.49	8.71
33 14 13 23-0043 LF 24" AWWA C905, DR 32.5, PR 125 Polyvinyl Chloride (PVC) Pipe.....	66.98	10.46
33 14 13 23-0044 LF 30" AWWA C905, DR 32.5, PR 125 Polyvinyl Chloride (PVC) Pipe.....	94.85	12.20
33 14 13 23-0045 LF 36" AWWA C905, DR 32.5, PR 125 Polyvinyl Chloride (PVC) Pipe.....	129.25	13.94
33 14 13 23-0046 LF 42" AWWA C905, DR 32.5, PR 125 Polyvinyl Chloride (PVC) Pipe.....	165.51	14.81
33 14 13 23-0047 LF 48" AWWA C905, DR 32.5, PR 125 Polyvinyl Chloride (PVC) Pipe.....	208.98	15.95
33 14 13 23-0048 AWWA C905, DR 25, PR 165 Polyvinyl Chloride (PVC) Pipe (33 14 13 23-0001)		
33 14 13 23-0049 LF 14" AWWA C905, DR 25, PR 165 Polyvinyl Chloride (PVC) Pipe.....	31.07	5.49
33 14 13 23-0050 LF 16" AWWA C905, DR 25, PR 165 Polyvinyl Chloride (PVC) Pipe.....	38.44	6.10
33 14 13 23-0051 LF 18" AWWA C905, DR 25, PR 165 Polyvinyl Chloride (PVC) Pipe.....	47.77	7.32
33 14 13 23-0052 LF 20" AWWA C905, DR 25, PR 165 Polyvinyl Chloride (PVC) Pipe.....	58.66	8.71
33 14 13 23-0053 LF 24" AWWA C905, DR 25, PR 165 Polyvinyl Chloride (PVC) Pipe.....	80.20	10.46



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 23-0054 LF 30" AWWA C905, DR 25, PR 165 Polyvinyl Chloride (PVC) Pipe	115.60	12.20
33 14 13 23-0055 LF 36" AWWA C905, DR 25, PR 165 Polyvinyl Chloride (PVC) Pipe	161.16	13.94
33 14 13 23-0056 LF 42" AWWA C905, DR 25, PR 165 Polyvinyl Chloride (PVC) Pipe	212.30	14.81
33 14 13 23-0057 LF 48" AWWA C905, DR 25, PR 165 Polyvinyl Chloride (PVC) Pipe	271.76	15.95
33 14 13 23-0058 AWWA C905, DR 21, PR 200 Polyvinyl Chloride (PVC) Pipe <small>(33 14 13 23-0001)</small>		
33 14 13 23-0059 LF 14" AWWA C905, DR 21, PR 200 Polyvinyl Chloride (PVC) Pipe	34.80	5.49
33 14 13 23-0060 LF 16" AWWA C905, DR 21, PR 200 Polyvinyl Chloride (PVC) Pipe	43.29	6.10
33 14 13 23-0061 LF 18" AWWA C905, DR 21, PR 200 Polyvinyl Chloride (PVC) Pipe	53.89	7.32
33 14 13 23-0062 LF 20" AWWA C905, DR 21, PR 200 Polyvinyl Chloride (PVC) Pipe	66.29	8.71
33 14 13 23-0063 LF 24" AWWA C905, DR 21, PR 200 Polyvinyl Chloride (PVC) Pipe	91.17	10.46
33 14 13 23-0064 LF 30" AWWA C905, DR 21, PR 200 Polyvinyl Chloride (PVC) Pipe	132.47	12.20
33 14 13 23-0065 LF 36" AWWA C905, DR 21, PR 200 Polyvinyl Chloride (PVC) Pipe	185.81	13.94
33 14 13 23-0066 LF 42" AWWA C905, DR 21, PR 200 Polyvinyl Chloride (PVC) Pipe	246.09	14.81
33 14 13 23-0067 AWWA C905, DR 18, PR 235 Polyvinyl Chloride (PVC) Pipe <small>(33 14 13 23-0001)</small>		
33 14 13 23-0068 LF 14" AWWA C905, DR 18, PR 235 Polyvinyl Chloride (PVC) Pipe	38.44	5.49
33 14 13 23-0069 LF 16" AWWA C905, DR 18, PR 235 Polyvinyl Chloride (PVC) Pipe	48.02	6.10
33 14 13 23-0070 LF 18" AWWA C905, DR 18, PR 235 Polyvinyl Chloride (PVC) Pipe	59.85	7.32
33 14 13 23-0071 LF 20" AWWA C905, DR 18, PR 235 Polyvinyl Chloride (PVC) Pipe	73.71	8.71
33 14 13 23-0072 LF 24" AWWA C905, DR 18, PR 235 Polyvinyl Chloride (PVC) Pipe	101.84	10.46
33 14 13 23-0073 LF 30" AWWA C905, DR 18, PR 235 Polyvinyl Chloride (PVC) Pipe	148.89	12.20
33 14 13 23-0074 LF 36" AWWA C905, DR 18, PR 235 Polyvinyl Chloride (PVC) Pipe	209.80	13.94
33 14 13 23-0075 AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC) Fittings <small>(33 14 13 23)</small>		
Note: Includes rubber gaskets.		
33 14 13 23-0076 90 Degree Elbows, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC) <small>(33 14 13 23-0075)</small>		
33 14 13 23-0077 EA 4" 90 Degree Elbow, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	142.05	11.26
For DR 25, Deduct	-7.17	
33 14 13 23-0078 EA 6" 90 Degree Elbow, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	286.24	12.67
For DR 25, Deduct	-15.65	
33 14 13 23-0079 EA 8" 90 Degree Elbow, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	427.79	14.07
For DR 25, Deduct	-23.98	
33 14 13 23-0080 EA 10" 90 Degree Elbow, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	654.46	22.75
For DR 25, Deduct	-36.54	
33 14 13 23-0081 EA 12" 90 Degree Elbow, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	740.12	37.92
For DR 25, Deduct	-39.86	
33 14 13 23-0082 EA 14" 90 Degree Elbow, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	1,280.40	47.40
For DR 25, Deduct	-71.14	
33 14 13 23-0083 EA 16" 90 Degree Elbow, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	1,528.16	56.87
For DR 25, Deduct	-84.86	
33 14 13 23-0084 EA 18" 90 Degree Elbow, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	2,612.13	75.83
For DR 25, Deduct	-147.63	
33 14 13 23-0085 EA 20" 90 Degree Elbow, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	3,216.30	94.79
For DR 25, Deduct	-181.60	
33 14 13 23-0086 EA 24" 90 Degree Elbow, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	5,325.31	127.97
For DR 25, Deduct	-304.16	
33 14 13 23-0087 45 Degree Elbows, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC) <small>(33 14 13 23-0075)</small>		
33 14 13 23-0088 EA 4" 45 Degree Elbow, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	126.43	11.26
For DR 25, Deduct	-6.24	
33 14 13 23-0089 EA 6" 45 Degree Elbow, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	215.47	12.67
For DR 25, Deduct	-11.41	
33 14 13 23-0090 EA 8" 45 Degree Elbow, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	272.17	14.07
For DR 25, Deduct	-14.64	
33 14 13 23-0091 EA 10" 45 Degree Elbow, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	386.83	22.75
For DR 25, Deduct	-20.48	
33 14 13 23-0092 EA 12" 45 Degree Elbow, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	520.69	37.92
For DR 25, Deduct	-26.69	
33 14 13 23-0093 EA 14" 45 Degree Elbow, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	989.12	47.40
For DR 25, Deduct	-53.66	
33 14 13 23-0094 EA 16" 45 Degree Elbow, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	1,252.20	56.87
For DR 25, Deduct	-68.31	
33 14 13 23-0095 EA 18" 45 Degree Elbow, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	2,150.74	75.83
For DR 25, Deduct	-119.94	
33 14 13 23-0096 EA 20" 45 Degree Elbow, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	2,671.60	94.79
For DR 25, Deduct	-148.92	
33 14 13 23-0097 EA 24" 45 Degree Elbow, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	3,767.44	127.97
For DR 25, Deduct	-210.69	
33 14 13 23-0098 22-1/2 Degree Elbows, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC) <small>(33 14 13 23-0075)</small>		
33 14 13 23-0099 EA 4" 22-1/2 Degree Elbow, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	124.54	11.26
For DR 25, Deduct	-6.12	

33 Utilities**33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 23-0100 EA 6" 22-1/2 Degree Elbow, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	215.47	12.67
<i>For DR 25, Deduct</i>	-11.41	
33 14 13 23-0101 EA 8" 22-1/2 Degree Elbow, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	272.17	14.07
<i>For DR 25, Deduct</i>	-14.64	
33 14 13 23-0102 EA 10" 22-1/2 Degree Elbow, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	386.84	22.75
<i>For DR 25, Deduct</i>	-20.48	
33 14 13 23-0103 EA 12" 22-1/2 Degree Elbow, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	520.69	37.92
<i>For DR 25, Deduct</i>	-26.69	
33 14 13 23-0104 EA 14" 22-1/2 Degree Elbow, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	985.31	45.50
<i>For DR 25, Deduct</i>	-53.66	
33 14 13 23-0105 EA 16" 22-1/2 Degree Elbow, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	1,252.19	56.87
<i>For DR 25, Deduct</i>	-68.31	
33 14 13 23-0106 EA 18" 22-1/2 Degree Elbow, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	2,150.74	75.83
<i>For DR 25, Deduct</i>	-119.94	
33 14 13 23-0107 EA 20" 22-1/2 Degree Elbow, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	2,671.60	94.79
<i>For DR 25, Deduct</i>	-148.92	
33 14 13 23-0108 EA 24" 22-1/2 Degree Elbow, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	3,767.44	127.97
<i>For DR 25, Deduct</i>	-210.69	
33 14 13 23-0109 11-1/4 Degree Elbows, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC) <small>(33 14 13 23-0075)</small>		
33 14 13 23-0110 EA 4" 11-1/4 Degree Elbow, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	110.56	11.26
<i>For DR 25, Deduct</i>	-5.28	
33 14 13 23-0111 EA 6" 11-1/4 Degree Elbow, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	215.47	12.67
<i>For DR 25, Deduct</i>	-11.41	
33 14 13 23-0112 EA 8" 11-1/4 Degree Elbow, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	272.17	14.07
<i>For DR 25, Deduct</i>	-14.64	
33 14 13 23-0113 EA 10" 11-1/4 Degree Elbow, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	386.84	22.75
<i>For DR 25, Deduct</i>	-20.48	
33 14 13 23-0114 EA 12" 11-1/4 Degree Elbow, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	520.69	37.92
<i>For DR 25, Deduct</i>	-26.69	
33 14 13 23-0115 EA 14" 11-1/4 Degree Elbow, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	985.31	45.50
<i>For DR 25, Deduct</i>	-53.66	
33 14 13 23-0116 EA 16" 11-1/4 Degree Elbow, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	1,252.19	56.87
<i>For DR 25, Deduct</i>	-68.31	
33 14 13 23-0117 EA 18" 11-1/4 Degree Elbow, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	2,150.74	75.83
<i>For DR 25, Deduct</i>	-119.94	
33 14 13 23-0118 EA 20" 11-1/4 Degree Elbow, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	2,671.60	94.79
<i>For DR 25, Deduct</i>	-148.92	
33 14 13 23-0119 EA 24" 11-1/4 Degree Elbow, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	3,767.44	127.97
<i>For DR 25, Deduct</i>	-210.69	
33 14 13 23-0120 Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC) <small>(33 14 13 23-0075)</small>		
33 14 13 23-0121 EA 4" Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	168.50	12.67
<i>For DR 25, Deduct</i>	-8.59	
33 14 13 23-0122 EA 6" Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	320.85	14.07
<i>For DR 25, Deduct</i>	-17.56	
33 14 13 23-0123 EA 8" Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	446.08	15.95
<i>For DR 25, Deduct</i>	-24.85	
33 14 13 23-0124 EA 10" Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	918.57	28.44
<i>For DR 25, Deduct</i>	-51.70	
33 14 13 23-0125 EA 12" Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	1,131.55	56.87
<i>For DR 25, Deduct</i>	-61.07	
33 14 13 23-0126 EA 14" Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	2,028.79	71.09
<i>For DR 25, Deduct</i>	-113.20	
33 14 13 23-0127 EA 16" Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	2,511.59	85.31
<i>For DR 25, Deduct</i>	-140.46	
33 14 13 23-0128 EA 18" Tee, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	3,171.89	113.76
<i>For DR 25, Deduct</i>	-176.66	
33 14 13 23-0129 EA 20" Tee, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	3,811.66	142.19
<i>For DR 25, Deduct</i>	-211.64	
33 14 13 23-0130 EA 24" Tee, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	5,183.31	96.69
<i>For DR 25, Deduct</i>	-299.40	
33 14 13 23-0131 Reducing Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC) <small>(33 14 13 23-0075)</small>		
33 14 13 23-0132 EA 6" x 4" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	321.36	18.29
<i>For DR 25, Deduct</i>	-17.09	
33 14 13 23-0133 EA 8" x 4" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	434.83	19.70
<i>For DR 25, Deduct</i>	-23.73	
33 14 13 23-0134 EA 8" x 6" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	445.80	20.40
<i>For DR 25, Deduct</i>	-24.30	
33 14 13 23-0135 EA 10" x 4" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	4,359.12	28.44
<i>For DR 25, Deduct</i>	-258.14	
33 14 13 23-0136 EA 10" x 6" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	781.33	29.15
<i>For DR 25, Deduct</i>	-43.38	
33 14 13 23-0137 EA 10" x 8" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	835.22	29.86
<i>For DR 25, Deduct</i>	-46.53	



Utilities	33	CS
Water Utilities	33 10	
Water Utility Transmission and Distribution	33 14	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 23-0138	EA	12" x 4" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	891.08	43.61
		<i>For DR 25, Deduct</i>	-48.23	
33 14 13 23-0139	EA	12" x 6" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	1,020.19	44.31
		<i>For DR 25, Deduct</i>	-55.89	
33 14 13 23-0140	EA	12" x 8" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	1,081.38	45.03
		<i>For DR 25, Deduct</i>	-59.48	
33 14 13 23-0141	EA	12" x 10" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	1,103.35	49.29
		<i>For DR 25, Deduct</i>	-60.29	
33 14 13 23-0142	EA	14" x 4" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	1,664.54	51.19
		<i>For DR 25, Deduct</i>	-93.73	
33 14 13 23-0143	EA	14" x 6" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	1,730.86	51.90
		<i>For DR 25, Deduct</i>	-97.62	
33 14 13 23-0144	EA	14" x 8" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	1,797.35	52.61
		<i>For DR 25, Deduct</i>	-101.53	
33 14 13 23-0145	EA	14" x 10" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	1,870.58	56.87
		<i>For DR 25, Deduct</i>	-105.41	
33 14 13 23-0146	EA	14" x 12" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	1,950.67	64.46
		<i>For DR 25, Deduct</i>	-109.31	
33 14 13 23-0147	EA	16" x 4" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	2,076.68	62.57
		<i>For DR 25, Deduct</i>	-117.09	
33 14 13 23-0148	EA	16" x 6" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	2,141.56	62.57
		<i>For DR 25, Deduct</i>	-120.99	
33 14 13 23-0149	EA	16" x 8" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	2,207.88	63.27
		<i>For DR 25, Deduct</i>	-124.88	
33 14 13 23-0150	EA	16" x 10" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	2,274.21	63.99
		<i>For DR 25, Deduct</i>	-128.77	
33 14 13 23-0151	EA	16" x 12" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	2,362.79	75.83
		<i>For DR 25, Deduct</i>	-132.67	
33 14 13 23-0152	EA	16" x 14" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	2,435.27	79.62
		<i>For DR 25, Deduct</i>	-136.56	
33 14 13 23-0153	EA	18" x 4" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	2,568.41	81.52
		<i>For DR 25, Deduct</i>	-144.32	
33 14 13 23-0154	EA	18" x 6" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	2,635.19	82.23
		<i>For DR 25, Deduct</i>	-148.24	
33 14 13 23-0155	EA	18" x 8" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	2,701.51	82.95
		<i>For DR 25, Deduct</i>	-152.14	
33 14 13 23-0156	EA	18" x 10" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	2,774.93	87.20
		<i>For DR 25, Deduct</i>	-156.03	
33 14 13 23-0157	EA	18" x 12" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	2,854.97	94.79
		<i>For DR 25, Deduct</i>	-159.92	
33 14 13 23-0158	EA	18" x 14" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	2,927.01	98.58
		<i>For DR 25, Deduct</i>	-163.79	
33 14 13 23-0159	EA	18" x 16" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	3,018.96	104.27
		<i>For DR 25, Deduct</i>	-168.63	
33 14 13 23-0160	EA	20" x 4" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	3,256.17	100.48
		<i>For DR 25, Deduct</i>	-183.31	
33 14 13 23-0161	EA	20" x 6" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	3,368.40	101.19
		<i>For DR 25, Deduct</i>	-189.96	
33 14 13 23-0162	EA	20" x 8" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	3,412.79	101.90
		<i>For DR 25, Deduct</i>	-192.54	
33 14 13 23-0163	EA	20" x 10" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	3,464.33	106.16
		<i>For DR 25, Deduct</i>	-195.12	
33 14 13 23-0164	EA	20" x 12" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	3,522.48	113.76
		<i>For DR 25, Deduct</i>	-197.70	
33 14 13 23-0165	EA	20" x 14" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	3,599.73	117.55
		<i>For DR 25, Deduct</i>	-201.88	
33 14 13 23-0166	EA	20" x 16" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	3,680.80	123.23
		<i>For DR 25, Deduct</i>	-206.06	
33 14 13 23-0167	EA	20" x 18" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	3,746.23	132.71
		<i>For DR 25, Deduct</i>	-208.85	
33 14 13 23-0168	EA	24" x 4" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	3,841.07	133.66
		<i>For DR 25, Deduct</i>	-214.43	
33 14 13 23-0169	EA	24" x 6" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	3,888.99	134.36
		<i>For DR 25, Deduct</i>	-217.22	
33 14 13 23-0170	EA	24" x 8" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	3,936.88	135.08
		<i>For DR 25, Deduct</i>	-220.00	
33 14 13 23-0171	EA	24" x 10" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	4,134.45	139.34
		<i>For DR 25, Deduct</i>	-231.35	
33 14 13 23-0172	EA	24" x 12" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	4,338.63	146.92
		<i>For DR 25, Deduct</i>	-242.69	
33 14 13 23-0173	EA	24" x 14" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	4,535.24	150.72
		<i>For DR 25, Deduct</i>	-254.03	
33 14 13 23-0174	EA	24" x 16" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	4,735.64	156.41
		<i>For DR 25, Deduct</i>	-265.37	
33 14 13 23-0175	EA	24" x 18" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	4,943.63	165.89
		<i>For DR 25, Deduct</i>	-276.71	
33 14 13 23-0176	EA	24" x 20" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	5,151.62	175.36
		<i>For DR 25, Deduct</i>	-288.05	
33 14 13 23-0177		Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC) (33 14 13 23-0075)		
33 14 13 23-0178	EA	4" Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	235.93	22.51
		<i>For DR 25, Deduct</i>	-11.45	

33 Utilities**33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 23-0179 EA 6" Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	417.03	25.33
For DR 25, Deduct	-21.98	
33 14 13 23-0180 EA 8" Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	574.28	28.14
For DR 25, Deduct	-31.08	
33 14 13 23-0181 EA 10" Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	1,167.67	45.50
For DR 25, Deduct	-64.60	
33 14 13 23-0182 EA 12" Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	1,386.28	56.87
For DR 25, Deduct	-76.35	
33 14 13 23-0183 EA 14" Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	2,510.07	75.83
For DR 25, Deduct	-141.50	
33 14 13 23-0184 EA 16" Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	3,115.27	94.79
For DR 25, Deduct	-175.55	
33 14 13 23-0185 EA 18" Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	3,984.37	151.67
For DR 25, Deduct	-220.86	
33 14 13 23-0186 EA 20" Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	4,788.35	189.59
For DR 25, Deduct	-264.55	
33 14 13 23-0187 EA 24" Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	6,748.90	255.94
For DR 25, Deduct	-374.22	
33 14 13 23-0188 Reducing Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC) (33 14 13 23-0075)		
33 14 13 23-0189 EA 6" x 4" Reducing Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	404.10	23.92
For DR 25, Deduct	-21.38	
33 14 13 23-0190 EA 8" x 4" Reducing Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	545.55	25.33
For DR 25, Deduct	-29.69	
33 14 13 23-0191 EA 8" x 6" Reducing Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	559.83	26.73
For DR 25, Deduct	-30.38	
33 14 13 23-0192 EA 10" x 4" Reducing Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	837.87	34.12
For DR 25, Deduct	-46.18	
33 14 13 23-0193 EA 10" x 6" Reducing Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	974.99	35.55
For DR 25, Deduct	-54.23	
33 14 13 23-0194 EA 10" x 8" Reducing Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	1,070.09	36.97
For DR 25, Deduct	-59.77	
33 14 13 23-0195 EA 12" x 4" Reducing Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	1,103.76	49.29
For DR 25, Deduct	-60.31	
33 14 13 23-0196 EA 12" x 6" Reducing Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	1,265.83	50.71
For DR 25, Deduct	-69.86	
33 14 13 23-0197 EA 12" x 8" Reducing Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	1,343.39	52.14
For DR 25, Deduct	-74.35	
33 14 13 23-0198 EA 12" x 10" Reducing Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	1,377.20	60.66
For DR 25, Deduct	-75.35	
33 14 13 23-0199 EA 14" x 4" Reducing Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	2,066.46	56.87
For DR 25, Deduct	-117.16	
33 14 13 23-0200 EA 14" x 6" Reducing Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	2,150.17	58.30
For DR 25, Deduct	-122.01	
33 14 13 23-0201 EA 14" x 8" Reducing Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	2,234.80	59.72
For DR 25, Deduct	-126.92	
33 14 13 23-0202 EA 14" x 10" Reducing Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	2,333.29	68.25
For DR 25, Deduct	-131.81	
33 14 13 23-0203 EA 14" x 12" Reducing Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	2,444.44	83.41
For DR 25, Deduct	-136.66	
33 14 13 23-0204 EA 16" x 4" Reducing Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	2,575.55	68.25
For DR 25, Deduct	-146.34	
33 14 13 23-0205 EA 16" x 6" Reducing Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	2,660.36	69.67
For DR 25, Deduct	-151.26	
33 14 13 23-0206 EA 16" x 8" Reducing Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	2,744.29	71.09
For DR 25, Deduct	-156.13	
33 14 13 23-0207 EA 16" x 10" Reducing Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	2,842.71	79.62
For DR 25, Deduct	-161.01	
33 14 13 23-0208 EA 16" x 12" Reducing Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	2,896.09	94.79
For DR 25, Deduct	-162.39	
33 14 13 23-0209 EA 16" x 14" Reducing Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	3,050.02	102.37
For DR 25, Deduct	-170.72	
33 14 13 23-0210 EA 18" x 4" Reducing Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	3,181.53	87.20
For DR 25, Deduct	-180.43	
33 14 13 23-0211 EA 18" x 6" Reducing Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	3,266.15	88.63
For DR 25, Deduct	-185.33	
33 14 13 23-0212 EA 18" x 8" Reducing Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	3,350.19	90.05
For DR 25, Deduct	-190.21	
33 14 13 23-0213 EA 18" x 10" Reducing Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	3,447.40	98.58
For DR 25, Deduct	-195.01	
33 14 13 23-0214 EA 18" x 12" Reducing Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	3,559.51	113.76
For DR 25, Deduct	-199.92	
33 14 13 23-0215 EA 18" x 14" Reducing Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	3,655.50	121.34
For DR 25, Deduct	-204.77	
33 14 13 23-0216 EA 18" x 16" Reducing Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	3,778.83	132.71
For DR 25, Deduct	-210.80	
33 14 13 23-0217 EA 20" x 4" Reducing Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	4,031.73	106.16
For DR 25, Deduct	-229.16	
33 14 13 23-0218 EA 20" x 6" Reducing Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	4,172.86	107.59
For DR 25, Deduct	-237.46	
33 14 13 23-0219 EA 20" x 8" Reducing Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	4,229.80	109.01
For DR 25, Deduct	-240.71	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	33 14 13 23-0220	EA		20" x 10" Reducing Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	4,300.39	117.55
				<i>For DR 25, Deduct</i>	-243.92	
	33 14 13 23-0221	EA		20" x 12" Reducing Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	4,384.26	132.71
				<i>For DR 25, Deduct</i>	-247.13	
	33 14 13 23-0222	EA		20" x 14" Reducing Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	4,485.91	140.30
				<i>For DR 25, Deduct</i>	-252.32	
	33 14 13 23-0223	EA		20" x 16" Reducing Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	4,596.89	151.67
				<i>For DR 25, Deduct</i>	-257.61	
	33 14 13 23-0224	EA		20" x 18" Reducing Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	4,692.74	170.63
				<i>For DR 25, Deduct</i>	-261.09	
	33 14 13 23-0225	EA		24" x 4" Reducing Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	4,720.09	139.34
				<i>For DR 25, Deduct</i>	-266.48	
	33 14 13 23-0226	EA		24" x 6" Reducing Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	4,807.13	140.76
				<i>For DR 25, Deduct</i>	-271.54	
	33 14 13 23-0227	EA		24" x 8" Reducing Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	4,868.31	142.19
				<i>For DR 25, Deduct</i>	-275.04	
	33 14 13 23-0228	EA		24" x 10" Reducing Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	5,121.39	150.72
				<i>For DR 25, Deduct</i>	-289.20	
	33 14 13 23-0229	EA		24" x 12" Reducing Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	5,387.81	165.89
				<i>For DR 25, Deduct</i>	-303.36	
	33 14 13 23-0230	EA		24" x 14" Reducing Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	5,639.03	173.47
				<i>For DR 25, Deduct</i>	-317.53	
	33 14 13 23-0231	EA		24" x 16" Reducing Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	5,898.84	184.85
				<i>For DR 25, Deduct</i>	-331.75	
	33 14 13 23-0232	EA		24" x 18" Reducing Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	6,172.29	203.81
				<i>For DR 25, Deduct</i>	-345.88	
	33 14 13 23-0233	EA		24" x 20" Reducing Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	6,446.77	222.76
				<i>For DR 25, Deduct</i>	-360.07	
	33 14 13 23-0234			Couplings, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC) <small>(33 14 13 23-0075)</small>		
	33 14 13 23-0235	EA		4" Coupling, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	86.88	11.26
				<i>For DR 25, Deduct</i>	-3.86	
	33 14 13 23-0236	EA		6" Coupling, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	158.20	12.67
				<i>For DR 25, Deduct</i>	-7.97	
	33 14 13 23-0237	EA		8" Coupling, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	189.90	14.07
				<i>For DR 25, Deduct</i>	-9.71	
	33 14 13 23-0238	EA		10" Coupling, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	271.77	22.75
				<i>For DR 25, Deduct</i>	-13.58	
	33 14 13 23-0239	EA		12" Coupling, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	428.66	28.44
				<i>For DR 25, Deduct</i>	-22.31	
	33 14 13 23-0240	EA		14" Coupling, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	738.32	37.92
				<i>For DR 25, Deduct</i>	-39.75	
	33 14 13 23-0241	EA		16" Coupling, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	875.79	47.40
				<i>For DR 25, Deduct</i>	-46.86	
	33 14 13 23-0242	EA		18" Coupling, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	2,078.94	75.83
				<i>For DR 25, Deduct</i>	-115.64	
	33 14 13 23-0243	EA		20" Coupling, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	2,335.23	94.79
				<i>For DR 25, Deduct</i>	-128.74	
	33 14 13 23-0244	EA		24" Coupling, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	3,285.47	127.97
				<i>For DR 25, Deduct</i>	-181.77	
	33 14 13 23-0245			Flanged End x Gasket Joint Adapter, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC) <small>(33 14 13 23-0075)</small>		
	33 14 13 23-0246	EA		4" Flanged End x Gasket Joint Adapter, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	106.49	11.26
				<i>For DR 25, Deduct</i>	-5.04	
	33 14 13 23-0247	EA		6" Flanged End x Gasket Joint Adapter, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	143.49	12.67
				<i>For DR 25, Deduct</i>	-7.09	
	33 14 13 23-0248	EA		8" Flanged End x Gasket Joint Adapter, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	206.65	14.07
				<i>For DR 25, Deduct</i>	-10.71	
	33 14 13 23-0249	EA		10" Flanged End x Gasket Joint Adapter, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	284.83	22.75
				<i>For DR 25, Deduct</i>	-14.36	
	33 14 13 23-0250	EA		12" Flanged End x Gasket Joint Adapter, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	457.13	37.92
				<i>For DR 25, Deduct</i>	-22.88	
	33 14 13 23-0251	EA		14" Flanged End x Gasket Joint Adapter, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	1,187.46	45.50
				<i>For DR 25, Deduct</i>	-65.79	
	33 14 13 23-0252	EA		16" Flanged End x Gasket Joint Adapter, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	1,605.21	56.87
				<i>For DR 25, Deduct</i>	-89.49	
	33 14 13 23-0253	EA		18" Flanged End x Gasket Joint Adapter, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	1,980.54	75.83
				<i>For DR 25, Deduct</i>	-109.73	
	33 14 13 23-0254	EA		20" Flanged End x Gasket Joint Adapter, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	2,368.18	94.79
				<i>For DR 25, Deduct</i>	-130.72	
	33 14 13 23-0255	EA		24" Flanged End x Gasket Joint Adapter, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	3,216.72	127.97
				<i>For DR 25, Deduct</i>	-177.65	
	33 14 13 23-0256			Class 200, SDR 21 Polyvinyl Chloride (PVC) Pressure Piping <small>(33 14 13 23)</small>		
	33 14 13 23-0257			Class 200, SDR 21 Polyvinyl Chloride (PVC) Pressure Pipe <small>(33 14 13 23-0256)</small>		
	33 14 13 23-0258	LF		3/4" Class 200, SDR 21 Polyvinyl Chloride (PVC) Pressure Pipe.....	2.03	0.75
				<i>For >1,000, Deduct</i>	-0.10	
				<i>For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add</i>	0.02	

33 Utilities**33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 23-0259 LF 1" Class 200, SDR 21 Polyvinyl Chloride (PVC) Pressure Pipe.....	2.22	0.81
For >1,000, Deduct	-0.11	
For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	0.03	
33 14 13 23-0260 LF 1-1/4" Class 200, SDR 21 Polyvinyl Chloride (PVC) Pressure Pipe	2.51	0.88
For >1,000, Deduct	-0.13	
For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	0.05	
33 14 13 23-0261 LF 1-1/2" Class 200, SDR 21 Polyvinyl Chloride (PVC) Pressure Pipe	2.85	0.98
For >1,000, Deduct	-0.14	
For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	0.06	
33 14 13 23-0262 LF 2" Class 200, SDR 21 Polyvinyl Chloride (PVC) Pressure Pipe.....	3.50	1.09
For >1,000, Deduct	-0.18	
For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	0.12	
33 14 13 23-0263 LF 2-1/2" Class 200, SDR 21 Polyvinyl Chloride (PVC) Pressure Pipe	4.33	1.24
For >1,000, Deduct	-0.22	
For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	0.19	
33 14 13 23-0264 LF 3" Class 200, SDR 21 Polyvinyl Chloride (PVC) Pressure Pipe.....	5.07	1.36
For >1,000, Deduct	-0.25	
For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	0.25	
33 14 13 23-0265 LF 4" Class 200, SDR 21 Polyvinyl Chloride (PVC) Pressure Pipe.....	6.94	1.67
For >1,000, Deduct	-0.35	
For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	0.42	
33 14 13 23-0266 LF 6" Class 200, SDR 21 Polyvinyl Chloride (PVC) Pressure Pipe.....	11.33	2.12
For >1,000, Deduct	-0.57	
For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	0.90	
33 14 13 23-0267 LF 8" Class 200, SDR 21 Polyvinyl Chloride (PVC) Pressure Pipe.....	17.80	3.03
For >1,000, Deduct	-0.89	
For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	1.53	
33 14 13 23-0268 LF 10" Class 200, SDR 21 Polyvinyl Chloride (PVC) Pressure Pipe.....	26.03	4.06
For >1,000, Deduct	-1.30	
For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	2.38	
33 14 13 23-0269 LF 12" Class 200, SDR 21 Polyvinyl Chloride (PVC) Pressure Pipe.....	36.04	5.46
For >1,000, Deduct	-1.80	
For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	3.36	
33 14 13 23-0270 90 Degree Elbows, Class 200, SDR 21 Polyvinyl Chloride (PVC) (33 14 13 23-0256)		
33 14 13 23-0271 EA 3/4" 90 Degree Elbow, Class 200, SDR 21 Polyvinyl Chloride (PVC).....	22.68	9.01
33 14 13 23-0272 EA 1" 90 Degree Elbow, Class 200, SDR 21 Polyvinyl Chloride (PVC).....	28.58	11.26
33 14 13 23-0273 EA 1-1/4" 90 Degree Elbow, Class 200, SDR 21 Polyvinyl Chloride (PVC).....	35.86	14.07
33 14 13 23-0274 EA 1-1/2" 90 Degree Elbow, Class 200, SDR 21 Polyvinyl Chloride (PVC).....	47.77	15.57
33 14 13 23-0275 EA 2" 90 Degree Elbow, Class 200, SDR 21 Polyvinyl Chloride (PVC).....	52.27	17.45
33 14 13 23-0276 EA 2-1/2" 90 Degree Elbow, Class 200, SDR 21 Polyvinyl Chloride (PVC).....	60.99	19.80
33 14 13 23-0277 EA 3" 90 Degree Elbow, Class 200, SDR 21 Polyvinyl Chloride (PVC).....	67.13	21.72
33 14 13 23-0278 EA 4" 90 Degree Elbow, Class 200, SDR 21 Polyvinyl Chloride (PVC).....	89.52	26.68
33 14 13 23-0279 EA 6" 90 Degree Elbow, Class 200, SDR 21 Polyvinyl Chloride (PVC).....	124.10	33.88
33 14 13 23-0280 EA 8" 90 Degree Elbow, Class 200, SDR 21 Polyvinyl Chloride (PVC).....	189.83	44.49
33 14 13 23-0281 EA 10" 90 Degree Elbow, Class 200, SDR 21 Polyvinyl Chloride (PVC).....	238.56	59.52
33 14 13 23-0282 EA 12" 90 Degree Elbow, Class 200, SDR 21 Polyvinyl Chloride (PVC).....	316.86	80.11
33 14 13 23-0283 45 Degree Elbows, Class 200, SDR 21 Polyvinyl Chloride (PVC) (33 14 13 23-0256)		
33 14 13 23-0284 EA 3/4" 45 Degree Elbow, Class 200, SDR 21 Polyvinyl Chloride (PVC).....	22.91	9.01
33 14 13 23-0285 EA 1" 45 Degree Elbow, Class 200, SDR 21 Polyvinyl Chloride (PVC).....	28.75	11.26
33 14 13 23-0286 EA 1-1/4" 45 Degree Elbow, Class 200, SDR 21 Polyvinyl Chloride (PVC).....	35.96	14.07
33 14 13 23-0287 EA 1-1/2" 45 Degree Elbow, Class 200, SDR 21 Polyvinyl Chloride (PVC).....	44.69	15.57
33 14 13 23-0288 EA 2" 45 Degree Elbow, Class 200, SDR 21 Polyvinyl Chloride (PVC).....	52.56	17.45
33 14 13 23-0289 EA 2-1/2" 45 Degree Elbow, Class 200, SDR 21 Polyvinyl Chloride (PVC).....	62.16	19.80
33 14 13 23-0290 EA 3" 45 Degree Elbow, Class 200, SDR 21 Polyvinyl Chloride (PVC).....	66.64	21.72
33 14 13 23-0291 EA 4" 45 Degree Elbow, Class 200, SDR 21 Polyvinyl Chloride (PVC).....	88.46	26.68
33 14 13 23-0292 EA 6" 45 Degree Elbow, Class 200, SDR 21 Polyvinyl Chloride (PVC).....	121.96	33.88
33 14 13 23-0293 EA 8" 45 Degree Elbow, Class 200, SDR 21 Polyvinyl Chloride (PVC).....	185.74	44.49
33 14 13 23-0294 EA 10" 45 Degree Elbow, Class 200, SDR 21 Polyvinyl Chloride (PVC).....	221.63	59.52
33 14 13 23-0295 EA 12" 45 Degree Elbow, Class 200, SDR 21 Polyvinyl Chloride (PVC).....	293.43	80.11
33 14 13 23-0296 Tees Or Wyes, Class 200, SDR 21 Polyvinyl Chloride (PVC) (33 14 13 23-0256)		
33 14 13 23-0297 EA 3/4" Tees Or Wyes, Class 200 SDR 21 Polyvinyl Chloride (PVC)	34.01	13.50
33 14 13 23-0298 EA 1" Tees Or Wyes, Class 200 SDR 21 Polyvinyl Chloride (PVC)	42.82	16.98
33 14 13 23-0299 EA 1-1/4" Tees Or Wyes, Class 200 SDR 21 Polyvinyl Chloride (PVC)	53.58	21.20
33 14 13 23-0300 EA 1-1/2" Tees Or Wyes, Class 200 SDR 21 Polyvinyl Chloride (PVC)	67.86	23.45
33 14 13 23-0301 EA 2" Tees Or Wyes, Class 200 SDR 21 Polyvinyl Chloride (PVC)	76.65	26.08
33 14 13 23-0302 EA 2-1/2" Tees Or Wyes, Class 200 SDR 21 Polyvinyl Chloride (PVC)	88.48	29.73
33 14 13 23-0303 EA 3" Tees Or Wyes, Class 200 SDR 21 Polyvinyl Chloride (PVC)	102.00	32.50
33 14 13 23-0304 EA 4" Tees Or Wyes, Class 200 SDR 21 Polyvinyl Chloride (PVC)	131.14	40.05
33 14 13 23-0305 EA 6" Tees Or Wyes, Class 200 SDR 21 Polyvinyl Chloride (PVC)	200.96	50.91
33 14 13 23-0306 EA 8" Tees Or Wyes, Class 200 SDR 21 Polyvinyl Chloride (PVC)	291.05	66.72
33 14 13 23-0307 EA 10" Tees Or Wyes, Class 200 SDR 21 Polyvinyl Chloride (PVC)	368.73	97.35
33 14 13 23-0308 EA 12" Tees Or Wyes, Class 200 SDR 21 Polyvinyl Chloride (PVC)	471.44	131.01
33 14 13 23-0309 Couplings, Class 200, SDR 21 Polyvinyl Chloride (PVC) (33 14 13 23-0256)		
33 14 13 23-0310 EA 3/4" Coupling, Class 200 SDR 21 Polyvinyl Chloride (PVC).....	15.16	6.00



Utilities	33	CS
Water Utilities	33 10	
Water Utility Transmission and Distribution	33 14	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 23-0311 EA 1" Coupling, Class 200 SDR 21 Polyvinyl Chloride (PVC).....	20.42	8.07
33 14 13 23-0312 EA 1-1/4" Coupling, Class 200 SDR 21 Polyvinyl Chloride (PVC).....	27.06	10.60
33 14 13 23-0313 EA 1-1/2" Coupling, Class 200 SDR 21 Polyvinyl Chloride (PVC).....	34.42	11.73
33 14 13 23-0314 EA 2" Coupling, Class 200 SDR 21 Polyvinyl Chloride (PVC).....	38.11	13.04
33 14 13 23-0315 EA 2-1/2" Coupling, Class 200 SDR 21 Polyvinyl Chloride (PVC).....	43.36	14.82
33 14 13 23-0316 EA 3" Coupling, Class 200 SDR 21 Polyvinyl Chloride (PVC).....	48.42	16.25
33 14 13 23-0317 EA 4" Coupling, Class 200 SDR 21 Polyvinyl Chloride (PVC).....	64.03	19.99
33 14 13 23-0318 EA 6" Coupling, Class 200 SDR 21 Polyvinyl Chloride (PVC).....	88.16	25.46
33 14 13 23-0319 EA 8" Coupling, Class 200 SDR 21 Polyvinyl Chloride (PVC).....	139.36	33.36
33 14 13 23-0320 EA 10" Coupling, Class 200 SDR 21 Polyvinyl Chloride (PVC).....	177.72	48.72
33 14 13 23-0321 EA 12" Coupling, Class 200 SDR 21 Polyvinyl Chloride (PVC).....	230.36	65.50
33 14 13 23-0322 Schedule 40 Polyvinyl Chloride (PVC) Pipe And Fittings (33 14 13 23)		
33 14 13 23-0323 Schedule 40 Polyvinyl Chloride (PVC) Pipe (33 14 13 23-0322)		
33 14 13 23-0324 LF 3/4" Schedule 40 Polyvinyl Chloride (PVC) Pipe	2.15	0.75
For >1,000, Deduct	-0.11	
For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	0.04	
33 14 13 23-0325 LF 1" Schedule 40 Polyvinyl Chloride (PVC) Pipe	2.44	0.81
For >1,000, Deduct	-0.12	
For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	0.06	
33 14 13 23-0326 LF 1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Pipe	3.06	0.98
For >1,000, Deduct	-0.15	
For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	0.09	
33 14 13 23-0327 LF 2" Schedule 40 Polyvinyl Chloride (PVC) Pipe	3.58	1.09
For >1,000, Deduct	-0.18	
For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	0.13	
33 14 13 23-0328 LF 2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Pipe	4.46	1.24
For >1,000, Deduct	-0.22	
For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	0.21	
33 14 13 23-0329 LF 3" Schedule 40 Polyvinyl Chloride (PVC) Pipe	5.15	1.36
For >1,000, Deduct	-0.26	
For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	0.27	
33 14 13 23-0330 LF 4" Schedule 40 Polyvinyl Chloride (PVC) Pipe	6.72	1.67
For >1,000, Deduct	-0.34	
For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	0.38	
33 14 13 23-0331 LF 6" Schedule 40 Polyvinyl Chloride (PVC) Pipe	9.75	2.12
For >1,000, Deduct	-0.49	
For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	0.67	
33 14 13 23-0332 90 Degree Elbows, Schedule 40 Polyvinyl Chloride (PVC) (33 14 13 23-0322)		
33 14 13 23-0333 EA 3/4" 90 Degree Elbow, Schedule 40 Polyvinyl Chloride (PVC).....	22.76	9.01
33 14 13 23-0334 EA 1" 90 Degree Elbow, Schedule 40 Polyvinyl Chloride (PVC).....	28.63	11.26
33 14 13 23-0335 EA 1-1/2" 90 Degree Elbow, Schedule 40 Polyvinyl Chloride (PVC).....	39.71	15.57
33 14 13 23-0336 EA 2" 90 Degree Elbow, Schedule 40 Polyvinyl Chloride (PVC).....	44.61	17.45
33 14 13 23-0337 EA 2-1/2" 90 Degree Elbow, Schedule 40 Polyvinyl Chloride (PVC).....	52.38	19.80
33 14 13 23-0338 EA 3" 90 Degree Elbow, Schedule 40 Polyvinyl Chloride (PVC).....	57.71	21.72
33 14 13 23-0339 EA 4" 90 Degree Elbow, Schedule 40 Polyvinyl Chloride (PVC).....	73.76	26.68
33 14 13 23-0340 EA 6" 90 Degree Elbow, Schedule 40 Polyvinyl Chloride (PVC).....	107.22	33.88
33 14 13 23-0341 45 Degree Elbows, Schedule 40 Polyvinyl Chloride (PVC) (33 14 13 23-0322)		
33 14 13 23-0342 EA 3/4" 45 Degree Elbow, Schedule 40 Polyvinyl Chloride (PVC).....	22.74	9.01
33 14 13 23-0343 EA 1" 45 Degree Elbow, Schedule 40 Polyvinyl Chloride (PVC).....	28.61	11.26
33 14 13 23-0344 EA 1-1/2" 45 Degree Elbow, Schedule 40 Polyvinyl Chloride (PVC).....	39.71	15.57
33 14 13 23-0345 EA 2" 45 Degree Elbow, Schedule 40 Polyvinyl Chloride (PVC).....	44.53	17.45
33 14 13 23-0346 EA 2-1/2" 45 Degree Elbow, Schedule 40 Polyvinyl Chloride (PVC).....	52.16	19.80
33 14 13 23-0347 EA 3" 45 Degree Elbow, Schedule 40 Polyvinyl Chloride (PVC).....	57.46	21.72
33 14 13 23-0348 EA 4" 45 Degree Elbow, Schedule 40 Polyvinyl Chloride (PVC).....	73.24	26.68
33 14 13 23-0349 EA 6" 45 Degree Elbow, Schedule 40 Polyvinyl Chloride (PVC).....	105.56	33.88
33 14 13 23-0350 Tees Or Wyes, Schedule 40 Polyvinyl Chloride (PVC) (33 14 13 23-0322)		
33 14 13 23-0351 EA 3/4" Tees Or Wyes, Schedule 40 Polyvinyl Chloride (PVC).....	34.10	13.50
33 14 13 23-0352 EA 1" Tees Or Wyes, Schedule 40 Polyvinyl Chloride (PVC).....	42.89	16.98
33 14 13 23-0353 EA 1-1/2" Tees Or Wyes, Schedule 40 Polyvinyl Chloride (PVC).....	59.45	23.45
33 14 13 23-0354 EA 2" Tees Or Wyes, Schedule 40 Polyvinyl Chloride (PVC).....	66.62	26.08
33 14 13 23-0355 EA 2-1/2" Tees Or Wyes, Schedule 40 Polyvinyl Chloride (PVC).....	78.71	29.73
33 14 13 23-0356 EA 3" Tees Or Wyes, Schedule 40 Polyvinyl Chloride (PVC).....	87.62	32.50
33 14 13 23-0357 EA 4" Tees Or Wyes, Schedule 40 Polyvinyl Chloride (PVC).....	108.52	40.05
33 14 13 23-0358 EA 6" Tees Or Wyes, Schedule 40 Polyvinyl Chloride (PVC).....	162.43	50.91
33 14 13 23-0359 Couplings, Schedule 40 Polyvinyl Chloride (PVC) (33 14 13 23-0322)		
33 14 13 23-0360 EA 3/4" Coupling, Schedule 40 Polyvinyl Chloride (PVC).....	15.20	6.00
33 14 13 23-0361 EA 1" Coupling, Schedule 40 Polyvinyl Chloride (PVC).....	20.46	8.07
33 14 13 23-0362 EA 1-1/2" Coupling, Schedule 40 Polyvinyl Chloride (PVC).....	29.67	11.73
33 14 13 23-0363 EA 2" Coupling, Schedule 40 Polyvinyl Chloride (PVC).....	33.30	13.04
33 14 13 23-0364 EA 2-1/2" Coupling, Schedule 40 Polyvinyl Chloride (PVC).....	38.58	14.82
33 14 13 23-0365 EA 3" Coupling, Schedule 40 Polyvinyl Chloride (PVC).....	42.89	16.25

33 Utilities**33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 23-0366 EA 4" Coupling, Schedule 40 Polyvinyl Chloride (PVC).....	53.00	19.99
33 14 13 23-0367 EA 6" Coupling, Schedule 40 Polyvinyl Chloride (PVC).....	73.83	25.46
33 14 13 23-0368 Crosses, Schedule 40 Polyvinyl Chloride (PVC) (33 14 13 23-0322)		
33 14 13 23-0369 EA 3/4" Cross, Schedule 40 Polyvinyl Chloride (PVC)	45.54	18.01
33 14 13 23-0370 EA 1" Cross, Schedule 40 Polyvinyl Chloride (PVC)	57.12	22.60
33 14 13 23-0371 EA 1-1/2" Cross, Schedule 40 Polyvinyl Chloride (PVC)	79.26	31.24
33 14 13 23-0372 EA 2" Cross, Schedule 40 Polyvinyl Chloride (PVC)	88.82	34.80
33 14 13 23-0373 EA 2-1/2" Cross, Schedule 40 Polyvinyl Chloride (PVC)	104.91	39.58
33 14 13 23-0374 EA 3" Cross, Schedule 40 Polyvinyl Chloride (PVC)	116.78	43.36
33 14 13 23-0375 EA 4" Cross, Schedule 40 Polyvinyl Chloride (PVC)	144.65	53.34
33 14 13 23-0376 EA 6" Cross, Schedule 40 Polyvinyl Chloride (PVC)	216.37	67.86
33 14 13 23-0377 Schedule 80 Polyvinyl Chloride (PVC) Pipe And Fittings (33 14 13 23)		
33 14 13 23-0378 Schedule 80 Polyvinyl Chloride (PVC) Pipe (33 14 13 23-0377)		
33 14 13 23-0379 LF 1" Schedule 80 Polyvinyl Chloride (PVC) Pipe	2.57	0.81
For >1,000, Deduct	-0.13	
For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	0.08	
33 14 13 23-0380 LF 1-1/2" Schedule 80 Polyvinyl Chloride (PVC) Pipe	3.32	0.98
For >1,000, Deduct	-0.17	
For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	0.13	
33 14 13 23-0381 LF 2" Schedule 80 Polyvinyl Chloride (PVC) Pipe	4.02	1.09
For >1,000, Deduct	-0.20	
For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	0.20	
33 14 13 23-0382 LF 2-1/2" Schedule 80 Polyvinyl Chloride (PVC) Pipe	5.02	1.24
For >1,000, Deduct	-0.25	
For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	0.29	
33 14 13 23-0383 LF 3" Schedule 80 Polyvinyl Chloride (PVC) Pipe	5.95	1.36
For >1,000, Deduct	-0.30	
For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	0.39	
33 14 13 23-0384 LF 4" Schedule 80 Polyvinyl Chloride (PVC) Pipe	7.94	1.67
For >1,000, Deduct	-0.40	
For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	0.57	
33 14 13 23-0385 LF 6" Schedule 80 Polyvinyl Chloride (PVC) Pipe	12.47	2.12
For >1,000, Deduct	-0.62	
For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	1.08	
33 14 13 23-0386 90 Degree Elbows, Schedule 80 Polyvinyl Chloride (PVC) (33 14 13 23-0377)		
33 14 13 23-0387 EA 1" 90 Degree Elbow, Schedule 80 Polyvinyl Chloride (PVC)	29.30	11.26
33 14 13 23-0388 EA 1-1/2" 90 Degree Elbow, Schedule 80 Polyvinyl Chloride (PVC)	39.71	15.57
33 14 13 23-0389 EA 2" 90 Degree Elbow, Schedule 80 Polyvinyl Chloride (PVC)	45.29	17.45
33 14 13 23-0390 EA 2-1/2" 90 Degree Elbow, Schedule 80 Polyvinyl Chloride (PVC)	53.82	19.80
33 14 13 23-0391 EA 3" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbow	59.05	21.72
33 14 13 23-0392 EA 4" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbow	74.08	26.68
33 14 13 23-0393 EA 6" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbow	105.70	33.88
33 14 13 23-0394 45 Degree Elbows, Schedule 80 Polyvinyl Chloride (PVC) (33 14 13 23-0377)		
33 14 13 23-0395 EA 1" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbow	32.07	11.26
33 14 13 23-0396 EA 1-1/2" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbow	42.37	15.57
33 14 13 23-0397 EA 2" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbow	47.85	17.45
33 14 13 23-0398 EA 2-1/2" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbow	58.63	19.80
33 14 13 23-0399 EA 3" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbow	65.31	21.72
33 14 13 23-0400 EA 4" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbow	86.67	26.68
33 14 13 23-0401 EA 6" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbow	104.86	33.88
33 14 13 23-0402 Tees Or Wyes, Schedule 80 Polyvinyl Chloride (PVC) (33 14 13 23-0377)		
33 14 13 23-0403 EA 1" Schedule 80 Polyvinyl Chloride (PVC) Tees Or Wyes.....	44.31	16.98
33 14 13 23-0404 EA 1-1/2" Schedule 80 Polyvinyl Chloride (PVC) Tees Or Wyes.....	63.76	23.45
33 14 13 23-0405 EA 2" Schedule 80 Polyvinyl Chloride (PVC) Tees Or Wyes.....	71.75	26.08
33 14 13 23-0406 EA 2-1/2" Schedule 80 Polyvinyl Chloride (PVC) Tees Or Wyes.....	81.42	29.73
33 14 13 23-0407 EA 3" Schedule 80 Polyvinyl Chloride (PVC) Tees Or Wyes.....	90.21	32.50
33 14 13 23-0408 EA 4" Schedule 80 Polyvinyl Chloride (PVC) Tees Or Wyes.....	110.39	40.05
33 14 13 23-0409 EA 6" Schedule 80 Polyvinyl Chloride (PVC) Tees Or Wyes.....	162.36	50.91
33 14 13 23-0410 Couplings, Schedule 80 Polyvinyl Chloride (PVC) (33 14 13 23-0377)		
33 14 13 23-0411 EA 1" Schedule 80 Polyvinyl Chloride (PVC) Coupling	21.47	8.07
33 14 13 23-0412 EA 1-1/2" Schedule 80 Polyvinyl Chloride (PVC) Coupling	31.41	11.73
33 14 13 23-0413 EA 2" Schedule 80 Polyvinyl Chloride (PVC) Coupling	34.94	13.04
33 14 13 23-0414 EA 2-1/2" Schedule 80 Polyvinyl Chloride (PVC) Coupling	42.79	14.82
33 14 13 23-0415 EA 3" Schedule 80 Polyvinyl Chloride (PVC) Coupling	47.12	16.25
33 14 13 23-0416 EA 4" Schedule 80 Polyvinyl Chloride (PVC) Coupling	58.15	19.99
33 14 13 23-0417 EA 6" Schedule 80 Polyvinyl Chloride (PVC) Coupling	81.02	25.46



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 23-0418				Crosses, Schedule 80 Polyvinyl Chloride (PVC) <small>(33 14 13 23-0377)</small>		
33 14 13 23-0419	EA			1" Schedule 80 Polyvinyl Chloride (PVC) Cross	59.00	22.60
33 14 13 23-0420	EA			1-1/2" Schedule 80 Polyvinyl Chloride (PVC) Cross	84.97	31.24
33 14 13 23-0421	EA			2" Schedule 80 Polyvinyl Chloride (PVC) Cross	95.63	34.80
33 14 13 23-0422	EA			2-1/2" Schedule 80 Polyvinyl Chloride (PVC) Cross	108.52	39.58
33 14 13 23-0423	EA			3" Schedule 80 Polyvinyl Chloride (PVC) Cross	120.23	43.36
33 14 13 23-0424	EA			4" Schedule 80 Polyvinyl Chloride (PVC) Cross	147.14	53.34
33 14 13 23-0425	EA			6" Schedule 80 Polyvinyl Chloride (PVC) Cross	216.28	67.86
33 14 13 23-0426				AWWA C906, High Density Polyethylene (HDPE) Pressure Piping <small>(33 14 13 23)</small>		
				Note: ASTM D3350 pipe, ASTM D2657 heat fusion.		
33 14 13 23-0427				High Density Polyethylene (HDPE) Pressure Pipe <small>(33 14 13 23-0426)</small>		
33 14 13 23-0428	LF			3" DR 21, Butt Fusion Joint High Density Polyethylene (HDPE) Pressure Pipe	5.43	2.26
				For DR 19 (89 PSI), Add	0.08	
				For DR 17 (100 PSI), Add	0.19	
				For DR 15.5 (110 PSI), Add	0.28	
				For DR 13.5 (128 PSI), Add	0.44	
				For DR 11 (160 PSI), Add	0.70	
33 14 13 23-0429	LF			4" DR 21, Butt Fusion Joint High Density Polyethylene (HDPE) Pressure Pipe	7.82	2.88
				For DR 26 (65 PSI), Deduct	-0.38	
				For DR 19 (89 PSI), Add	0.19	
				For DR 17 (100 PSI), Add	0.46	
				For DR 15.5 (110 PSI), Add	0.67	
				For DR 13.5 (128 PSI), Add	1.05	
				For DR 11 (160 PSI), Add	1.69	
33 14 13 23-0430	LF			6" DR 21, Butt Fusion Joint High Density Polyethylene (HDPE) Pressure Pipe	11.45	3.48
				For DR 26 (65 PSI), Deduct	-0.82	
				For DR 19 (89 PSI), Add	0.40	
				For DR 17 (100 PSI), Add	1.00	
				For DR 15.5 (110 PSI), Add	1.46	
				For DR 13.5 (128 PSI), Add	2.28	
				For DR 11 (160 PSI), Add	3.66	
33 14 13 23-0431	LF			8" DR 21, Butt Fusion Joint High Density Polyethylene (HDPE) Pressure Pipe	15.44	3.92
				For DR 26 (65 PSI), Deduct	-1.39	
				For DR 19 (89 PSI), Add	0.68	
				For DR 17 (100 PSI), Add	1.69	
				For DR 15.5 (110 PSI), Add	2.47	
				For DR 13.5 (128 PSI), Add	3.86	
				For DR 11 (160 PSI), Add	6.21	
33 14 13 23-0432	LF			10" DR 21, Butt Fusion Joint High Density Polyethylene (HDPE) Pressure Pipe	20.53	4.36
				For DR 26 (65 PSI), Deduct	-2.17	
				For DR 19 (89 PSI), Add	1.06	
				For DR 17 (100 PSI), Add	2.63	
				For DR 15.5 (110 PSI), Add	3.85	
				For DR 13.5 (128 PSI), Add	6.00	
				For DR 11 (160 PSI), Add	9.66	
33 14 13 23-0433	LF			12" DR 21, Butt Fusion Joint High Density Polyethylene (HDPE) Pressure Pipe	26.71	48.80
				For DR 26 (65 PSI), Deduct	-3.12	
				For DR 19 (89 PSI), Add	1.53	
				For DR 17 (100 PSI), Add	3.79	
				For DR 15.5 (110 PSI), Add	5.54	
				For DR 13.5 (128 PSI), Add	8.65	
				For DR 11 (160 PSI), Add	13.93	
33 14 13 23-0434	LF			14" DR 21, Butt Fusion Joint High Density Polyethylene (HDPE) Pressure Pipe	30.92	5.49
				For DR 26 (65 PSI), Deduct	-3.67	
				For DR 19 (89 PSI), Add	1.80	
				For DR 17 (100 PSI), Add	4.45	
				For DR 15.5 (110 PSI), Add	6.52	
				For DR 13.5 (128 PSI), Add	10.17	
				For DR 11 (160 PSI), Add	16.37	
33 14 13 23-0435	LF			16" DR 21, Butt Fusion Joint High Density Polyethylene (HDPE) Pressure Pipe	38.37	6.10
				For DR 26 (65 PSI), Deduct	-4.80	
				For DR 19 (89 PSI), Add	2.36	
				For DR 17 (100 PSI), Add	5.81	
				For DR 15.5 (110 PSI), Add	8.52	
				For DR 13.5 (128 PSI), Add	13.29	
				For DR 11 (160 PSI), Add	21.39	
33 14 13 23-0436	LF			18" DR 21, Butt Fusion Joint High Density Polyethylene (HDPE) Pressure Pipe	47.75	7.32
				For DR 26 (65 PSI), Deduct	-6.06	
				For DR 19 (89 PSI), Add	2.98	
				For DR 17 (100 PSI), Add	7.35	
				For DR 15.5 (110 PSI), Add	10.76	
				For DR 13.5 (128 PSI), Add	16.80	
				For DR 11 (160 PSI), Add	27.03	
33 14 13 23-0437	LF			20" DR 21, Butt Fusion Joint High Density Polyethylene (HDPE) Pressure Pipe	45.07	8.71
				For DR 26 (65 PSI), Deduct	-5.07	
				For DR 19 (89 PSI), Add	2.49	
				For DR 17 (100 PSI), Add	6.14	
				For DR 15.5 (110 PSI), Add	8.99	
				For DR 13.5 (128 PSI), Add	14.04	
				For DR 11 (160 PSI), Add	22.60	

33 Utilities**33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 23-0438 LF 24" DR 21, Butt Fusion Joint High Density Polyethylene (HDPE) Pressure Pipe	79.75	10.46
For DR 26 (65 PSI), Deduct	-10.79	
For DR 19 (89 PSI), Add	5.30	
For DR 17 (100 PSI), Add	13.07	
For DR 15.5 (110 PSI), Add	19.15	
For DR 13.5 (128 PSI), Add	29.88	
For DR 11 (160 PSI), Add	48.10	
33 14 13 23-0439 90 Degree Elbows, High Density Polyethylene (HDPE) Pressure Piping ^{(33 14}		
^{13 23-0426)}		
33 14 13 23-0440 EA 3" 90 Degree Elbow, DR 21 High Density Polyethylene (HDPE) Pressure Piping	59.53	14.07
For DR 26 (65 PSI), Deduct	-3.17	
For DR 19 (89 PSI), Add	1.56	
For DR 17 (100 PSI), Add	3.85	
For DR 15.5 (110 PSI), Add	5.63	
For DR 13.5 (128 PSI), Add	8.79	
For DR 11 (160 PSI), Add	14.15	
33 14 13 23-0441 EA 4" 90 Degree Elbow, DR 21 High Density Polyethylene (HDPE) Pressure Piping	67.52	15.65
For DR 26 (65 PSI), Deduct	-3.78	
For DR 19 (89 PSI), Add	1.86	
For DR 17 (100 PSI), Add	4.58	
For DR 15.5 (110 PSI), Add	6.71	
For DR 13.5 (128 PSI), Add	10.47	
For DR 11 (160 PSI), Add	16.86	
33 14 13 23-0442 EA 6" 90 Degree Elbow, DR 21 High Density Polyethylene (HDPE) Pressure Piping	108.43	17.87
For DR 26 (65 PSI), Deduct	-10.06	
For DR 19 (89 PSI), Add	4.94	
For DR 17 (100 PSI), Add	12.19	
For DR 15.5 (110 PSI), Add	17.85	
For DR 13.5 (128 PSI), Add	27.86	
For DR 11 (160 PSI), Add	44.85	
33 14 13 23-0443 EA 8" 90 Degree Elbow, DR 21 High Density Polyethylene (HDPE) Pressure Piping	177.24	20.87
For DR 26 (65 PSI), Deduct	-21.02	
For DR 19 (89 PSI), Add	10.32	
For DR 17 (100 PSI), Add	25.48	
For DR 15.5 (110 PSI), Add	37.32	
For DR 13.5 (128 PSI), Add	58.25	
For DR 11 (160 PSI), Add	93.75	
33 14 13 23-0444 EA 10" 90 Degree Elbow, DR 21 High Density Polyethylene (HDPE) Pressure Piping	274.80	27.86
For DR 26 (65 PSI), Deduct	-35.08	
For DR 19 (89 PSI), Add	17.23	
For DR 17 (100 PSI), Add	42.53	
For DR 15.5 (110 PSI), Add	62.28	
For DR 13.5 (128 PSI), Add	97.21	
For DR 11 (160 PSI), Add	156.47	
33 14 13 23-0445 EA 12" 90 Degree Elbow, DR 21 High Density Polyethylene (HDPE) Pressure Piping	405.32	41.69
For DR 26 (65 PSI), Deduct	-51.38	
For DR 19 (89 PSI), Add	25.23	
For DR 17 (100 PSI), Add	62.28	
For DR 15.5 (110 PSI), Add	91.20	
For DR 13.5 (128 PSI), Add	142.35	
For DR 11 (160 PSI), Add	229.13	
33 14 13 23-0446 EA 14" 90 Degree Elbow, DR 21 High Density Polyethylene (HDPE) Pressure Piping	500.97	55.65
For DR 26 (65 PSI), Deduct	-61.24	
For DR 19 (89 PSI), Add	30.07	
For DR 17 (100 PSI), Add	74.24	
For DR 15.5 (110 PSI), Add	108.72	
For DR 13.5 (128 PSI), Add	169.70	
For DR 11 (160 PSI), Add	273.14	
33 14 13 23-0447 EA 16" 90 Degree Elbow, DR 21 High Density Polyethylene (HDPE) Pressure Piping	650.20	83.40
For DR 26 (65 PSI), Deduct	-73.34	
For DR 19 (89 PSI), Add	36.01	
For DR 17 (100 PSI), Add	88.91	
For DR 15.5 (110 PSI), Add	130.20	
For DR 13.5 (128 PSI), Add	203.22	
For DR 11 (160 PSI), Add	327.10	
33 14 13 23-0448 EA 18" 90 Degree Elbow, DR 21 High Density Polyethylene (HDPE) Pressure Piping	825.94	93.81
For DR 26 (65 PSI), Deduct	-99.81	
For DR 19 (89 PSI), Add	49.01	
For DR 17 (100 PSI), Add	120.99	
For DR 15.5 (110 PSI), Add	177.18	
For DR 13.5 (128 PSI), Add	276.55	
For DR 11 (160 PSI), Add	445.13	
33 14 13 23-0449 EA 20" 90 Degree Elbow, DR 21 High Density Polyethylene (HDPE) Pressure Piping	1,141.50	106.47
For DR 26 (65 PSI), Deduct	-150.09	
For DR 19 (89 PSI), Add	73.69	
For DR 17 (100 PSI), Add	181.94	
For DR 15.5 (110 PSI), Add	266.44	
For DR 13.5 (128 PSI), Add	415.87	
For DR 11 (160 PSI), Add	669.38	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 23-0450	EA			24" 90 Degree Elbow, DR 21 High Density Polyethylene (HDPE) Pressure Piping.....	1,468.36	125.14
				<i>For DR 26 (65 PSI), Deduct</i>	-200.37	
				<i>For DR 19 (89 PSI), Add</i>	98.38	
				<i>For DR 17 (100 PSI), Add</i>	242.89	
				<i>For DR 15.5 (110 PSI), Add</i>	355.70	
				<i>For DR 13.5 (128 PSI), Add</i>	555.20	
				<i>For DR 11 (160 PSI), Add</i>	893.63	
33 14 13 23-0451				Tees, High Density Polyethylene (HDPE) Pressure Piping <small>(33 14 13 23-0426)</small>		
33 14 13 23-0452	EA			3" Tee, DR 21 High Density Polyethylene (HDPE) Pressure Piping.....	66.73	14.73
				<i>For DR 26 (65 PSI), Deduct</i>	-4.15	
				<i>For DR 19 (89 PSI), Add</i>	2.04	
				<i>For DR 17 (100 PSI), Add</i>	5.03	
				<i>For DR 15.5 (110 PSI), Add</i>	7.37	
				<i>For DR 13.5 (128 PSI), Add</i>	11.50	
				<i>For DR 11 (160 PSI), Add</i>	18.51	
33 14 13 23-0453	EA			4" Tee, DR 21 High Density Polyethylene (HDPE) Pressure Piping.....	76.66	16.68
				<i>For DR 26 (65 PSI), Deduct</i>	-4.88	
				<i>For DR 19 (89 PSI), Add</i>	2.40	
				<i>For DR 17 (100 PSI), Add</i>	5.92	
				<i>For DR 15.5 (110 PSI), Add</i>	8.67	
				<i>For DR 13.5 (128 PSI), Add</i>	13.54	
				<i>For DR 11 (160 PSI), Add</i>	21.79	
33 14 13 23-0454	EA			6" Tee, DR 21 High Density Polyethylene (HDPE) Pressure Piping.....	127.36	19.25
				<i>For DR 26 (65 PSI), Deduct</i>	-12.77	
				<i>For DR 19 (89 PSI), Add</i>	6.27	
				<i>For DR 17 (100 PSI), Add</i>	15.48	
				<i>For DR 15.5 (110 PSI), Add</i>	22.67	
				<i>For DR 13.5 (128 PSI), Add</i>	35.38	
				<i>For DR 11 (160 PSI), Add</i>	56.95	
33 14 13 23-0455	EA			8" Tee, DR 21 High Density Polyethylene (HDPE) Pressure Piping.....	244.92	22.75
				<i>For DR 26 (65 PSI), Deduct</i>	-32.39	
				<i>For DR 19 (89 PSI), Add</i>	15.90	
				<i>For DR 17 (100 PSI), Add</i>	39.27	
				<i>For DR 15.5 (110 PSI), Add</i>	57.50	
				<i>For DR 13.5 (128 PSI), Add</i>	89.76	
				<i>For DR 11 (160 PSI), Add</i>	144.47	
33 14 13 23-0456	EA			10" Tee, DR 21 High Density Polyethylene (HDPE) Pressure Piping.....	332.90	33.39
				<i>For DR 26 (65 PSI), Deduct</i>	-42.68	
				<i>For DR 19 (89 PSI), Add</i>	20.95	
				<i>For DR 17 (100 PSI), Add</i>	51.73	
				<i>For DR 15.5 (110 PSI), Add</i>	75.76	
				<i>For DR 13.5 (128 PSI), Add</i>	118.25	
				<i>For DR 11 (160 PSI), Add</i>	190.33	
33 14 13 23-0457	EA			12" Tee, DR 21 High Density Polyethylene (HDPE) Pressure Piping.....	468.02	50.10
				<i>For DR 26 (65 PSI), Deduct</i>	-58.27	
				<i>For DR 19 (89 PSI), Add</i>	28.61	
				<i>For DR 17 (100 PSI), Add</i>	70.64	
				<i>For DR 15.5 (110 PSI), Add</i>	103.44	
				<i>For DR 13.5 (128 PSI), Add</i>	161.46	
				<i>For DR 11 (160 PSI), Add</i>	259.88	
33 14 13 23-0458	EA			14" Tee, DR 21 High Density Polyethylene (HDPE) Pressure Piping.....	561.62	62.57
				<i>For DR 26 (65 PSI), Deduct</i>	-68.55	
				<i>For DR 19 (89 PSI), Add</i>	33.66	
				<i>For DR 17 (100 PSI), Add</i>	83.10	
				<i>For DR 15.5 (110 PSI), Add</i>	121.70	
				<i>For DR 13.5 (128 PSI), Add</i>	189.95	
				<i>For DR 11 (160 PSI), Add</i>	305.75	
33 14 13 23-0459	EA			16" Tee, DR 21 High Density Polyethylene (HDPE) Pressure Piping.....	725.67	93.81
				<i>For DR 26 (65 PSI), Deduct</i>	-81.41	
				<i>For DR 19 (89 PSI), Add</i>	39.97	
				<i>For DR 17 (100 PSI), Add</i>	98.68	
				<i>For DR 15.5 (110 PSI), Add</i>	144.52	
				<i>For DR 13.5 (128 PSI), Add</i>	225.57	
				<i>For DR 11 (160 PSI), Add</i>	363.07	
33 14 13 23-0460	EA			18" Tee, DR 21 High Density Polyethylene (HDPE) Pressure Piping.....	944.90	109.28
				<i>For DR 26 (65 PSI), Deduct</i>	-113.11	
				<i>For DR 19 (89 PSI), Add</i>	55.54	
				<i>For DR 17 (100 PSI), Add</i>	137.12	
				<i>For DR 15.5 (110 PSI), Add</i>	200.80	
				<i>For DR 13.5 (128 PSI), Add</i>	313.43	
				<i>For DR 11 (160 PSI), Add</i>	504.48	
33 14 13 23-0461	EA			20" Tee, DR 21 High Density Polyethylene (HDPE) Pressure Piping.....	1,342.95	129.08
				<i>For DR 26 (65 PSI), Deduct</i>	-174.38	
				<i>For DR 19 (89 PSI), Add</i>	85.62	
				<i>For DR 17 (100 PSI), Add</i>	211.39	
				<i>For DR 15.5 (110 PSI), Add</i>	309.57	
				<i>For DR 13.5 (128 PSI), Add</i>	483.20	
				<i>For DR 11 (160 PSI), Add</i>	777.74	
33 14 13 23-0462	EA			24" Tee, DR 21 High Density Polyethylene (HDPE) Pressure Piping.....	1,754.66	156.47
				<i>For DR 26 (65 PSI), Deduct</i>	-235.65	
				<i>For DR 19 (89 PSI), Add</i>	115.71	
				<i>For DR 17 (100 PSI), Add</i>	285.66	
				<i>For DR 15.5 (110 PSI), Add</i>	418.34	
				<i>For DR 13.5 (128 PSI), Add</i>	652.97	
				<i>For DR 11 (160 PSI), Add</i>	1,050.99	

33	Utilities
33 10	Water Utilities
33 14	Water Utility Transmission and Distribution



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 26			Galvanized Steel Public Water Utility Distribution Piping (33 14 13)		
			See CSI section 22 11 16 00-0013 for galvanized steel pipe.		
33 14 13 36			Steel Public Water Utility Distribution Piping (33 14 13)		
33 14 13 36-0001			Steel Piping (33 14 13 36)		
33 14 13 36-0002			Welded, Plain End, Uncoated Steel Piping (33 14 13 36-0001) Note: ASTM A252 steel pipe.		
33 14 13 36-0003			Up To 1/4" Wall Thickness Welded, Plain End, Uncoated Steel Piping (33 14 13 36-0002)		
33 14 13 36-0004	LF		8" Diameter, 3/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	48.71	23.58
			For >1,000, Deduct	-2.44	
33 14 13 36-0005	LF		8" Diameter, 1/4" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	52.85	23.58
			For >1,000, Deduct	-2.64	
33 14 13 36-0006	LF		10" Diameter, 3/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	55.23	25.73
			For >1,000, Deduct	-2.76	
33 14 13 36-0007	LF		10" Diameter, 1/4" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	60.46	25.73
			For >1,000, Deduct	-3.02	
33 14 13 36-0008	LF		12" Diameter, 3/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	61.96	26.95
			For >1,000, Deduct	-3.10	
33 14 13 36-0009	LF		12" Diameter, 1/4" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	66.02	26.95
			For >1,000, Deduct	-3.30	
33 14 13 36-0010	LF		14" Diameter, 3/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	92.07	29.78
			For >1,000, Deduct	-4.60	
33 14 13 36-0011	LF		14" Diameter, 1/4" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	74.98	29.78
			For >1,000, Deduct	-3.75	
33 14 13 36-0012	LF		16" Diameter, 3/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	75.92	31.44
			For >1,000, Deduct	-3.80	
33 14 13 36-0013	LF		16" Diameter, 1/4" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	78.43	31.44
			For >1,000, Deduct	-3.92	
33 14 13 36-0014	LF		18" Diameter, 1/4" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	89.88	35.37
			For >1,000, Deduct	-4.49	
33 14 13 36-0015	LF		20" Diameter, 1/4" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	94.00	35.37
			For >1,000, Deduct	-4.70	
33 14 13 36-0016			5/16" To 1/2" Wall Thickness Welded, Plain End, Uncoated Steel Piping (33 14 13 36-0002)		
33 14 13 36-0017	LF		12" Diameter, 5/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	79.25	46.12
			For >1,000, Deduct	-3.96	
33 14 13 36-0018	LF		14" Diameter, 5/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	91.03	50.73
			For >1,000, Deduct	-4.55	
33 14 13 36-0019	LF		16" Diameter, 5/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	98.85	53.04
			For >1,000, Deduct	-4.94	
33 14 13 36-0020	LF		18" Diameter, 5/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	111.38	59.95
			For >1,000, Deduct	-5.57	
33 14 13 36-0021	LF		18" Diameter, 3/8" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	114.17	59.95
			For >1,000, Deduct	-5.71	
33 14 13 36-0022	LF		20" Diameter, 5/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	116.75	59.95
			For >1,000, Deduct	-5.84	
33 14 13 36-0023	LF		20" Diameter, 3/8" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	119.72	59.95
			For >1,000, Deduct	-5.99	
33 14 13 36-0024	LF		24" Diameter, 5/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	137.98	69.19
			For >1,000, Deduct	-6.90	
33 14 13 36-0025	LF		24" Diameter, 3/8" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	147.18	69.19
			For >1,000, Deduct	-7.36	
33 14 13 36-0026	LF		24" Diameter, 7/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	169.76	69.19
			For >1,000, Deduct	-8.49	
33 14 13 36-0027	LF		30" Diameter, 5/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	167.24	80.71
			For >1,000, Deduct	-8.36	
33 14 13 36-0028	LF		30" Diameter, 3/8" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	171.00	80.71
			For >1,000, Deduct	-8.55	
33 14 13 36-0029	LF		30" Diameter, 7/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	206.49	80.71
			For >1,000, Deduct	-10.32	
33 14 13 36-0030	LF		36" Diameter, 5/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	186.75	80.71
			For >1,000, Deduct	-9.34	
33 14 13 36-0031	LF		36" Diameter, 3/8" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	220.76	96.86
			For >1,000, Deduct	-11.04	
33 14 13 36-0032	LF		36" Diameter, 7/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	248.29	96.86
			For >1,000, Deduct	-12.41	
33 14 13 36-0033	LF		36" Diameter, 1/2" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	241.41	96.86
			For >1,000, Deduct	-12.07	
33 14 13 36-0034	LF		42" Diameter, 7/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	336.87	108.38
			For >1,000, Deduct	-16.84	
33 14 13 36-0035	LF		42" Diameter, 1/2" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	238.71	108.38
			For >1,000, Deduct	-11.94	
33 14 13 36-0036	LF		48" Diameter, 7/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	384.42	122.21
			For >1,000, Deduct	-19.22	
33 14 13 36-0037	LF		54" Diameter, 7/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	412.06	138.36
			For >1,000, Deduct	-20.60	
33 14 13 36-0038	LF		48" Diameter, 1/2" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	264.34	122.21
			For >1,000, Deduct	-13.22	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 36-0039 LF 54" Diameter, 1/2" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	443.42	138.36
<i>For >1,000, Deduct</i>	-22.17	
33 14 13 36-0040 LF 60" Diameter, 1/2" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	501.26	161.42
<i>For >1,000, Deduct</i>	-25.06	
33 14 13 36-0041 LF 66" Diameter, 1/2" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	389.77	161.42
<i>For >1,000, Deduct</i>	-19.49	
33 14 13 36-0042 LF 72" Diameter, 1/2" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	489.23	131.26
<i>For >1,000, Deduct</i>	-24.46	
33 14 13 36-0043 LF 78" Diameter, 1/2" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	741.01	131.26
<i>For >1,000, Deduct</i>	-37.05	
33 14 13 36-0044 Flexible Couplings (Dresser Style 38) <small>(33 14 13 36-0001)</small>		
33 14 13 36-0045 EA 2" Dresser Coupling For Plain End Welded Steel Pipe.....	109.66	26.67
33 14 13 36-0046 EA 3" Dresser Coupling For Plain End Welded Steel Pipe.....	163.51	51.28
33 14 13 36-0047 EA 4" Dresser Coupling For Plain End Welded Steel Pipe.....	217.62	67.69
33 14 13 36-0048 EA 6" Dresser Coupling For Plain End Welded Steel Pipe.....	346.09	102.56
33 14 13 36-0049 EA 8" Dresser Coupling For Plain End Welded Steel Pipe.....	452.15	129.23
33 14 13 36-0050 EA 10" Dresser Coupling For Plain End Welded Steel Pipe.....	574.52	134.79
33 14 13 36-0051 EA 12" Dresser Coupling For Plain End Welded Steel Pipe.....	681.24	168.94
33 14 13 36-0052 EA 14" Dresser Coupling For Plain End Welded Steel Pipe.....	733.59	168.94
33 14 13 36-0053 EA 16" Dresser Coupling For Plain End Welded Steel Pipe.....	774.88	193.20
33 14 13 36-0054 EA 18" Dresser Coupling For Plain End Welded Steel Pipe.....	849.48	206.68
33 14 13 36-0055 EA 20" Dresser Coupling For Plain End Welded Steel Pipe.....	926.63	233.64
33 14 13 36-0056 EA 24" Dresser Coupling For Plain End Welded Steel Pipe.....	1,172.46	247.12
33 14 13 36-0057 EA 30" Dresser Coupling For Plain End Welded Steel Pipe.....	1,407.97	269.58
33 14 13 36-0058 EA 36" Dresser Coupling For Plain End Welded Steel Pipe.....	1,652.23	303.28
33 14 13 36-0059 EA 42" Dresser Coupling For Plain End Welded Steel Pipe.....	1,908.48	341.48
33 14 13 36-0060 EA 48" Dresser Coupling For Plain End Welded Steel Pipe.....	2,219.98	393.14
33 14 13 36-0061 EA 54" Dresser Coupling For Plain End Welded Steel Pipe.....	2,461.09	449.30
33 14 13 36-0062 EA 60" Dresser Coupling For Plain End Welded Steel Pipe.....	2,829.97	561.63
33 14 13 36-0063 EA 66" Dresser Coupling For Plain End Welded Steel Pipe.....	3,258.95	682.94
33 14 13 36-0064 EA 72" Dresser Coupling For Plain End Welded Steel Pipe.....	3,883.95	808.75
33 14 13 39 Copper Public Water Utility Distribution Piping <small>(33 14 13)</small>		
33 14 13 39-0001 Type K Copper Water Distribution Piping <small>(33 14 13 39)</small>		
<i>See CSI section 23 05 23 00-0001 for gate valve at tap.</i>		
33 14 13 39-0002 LF 1/2" Type K Copper Water Distribution Pipe.....	5.95	1.85
33 14 13 39-0003 LF 3/4" Type K Copper Water Distribution Pipe.....	7.58	2.08
33 14 13 39-0004 LF 1" Type K Copper Water Distribution Pipe.....	9.67	2.31
33 14 13 39-0005 LF 1-1/4" Type K Copper Water Distribution Pipe.....	11.40	2.77
33 14 13 39-0006 LF 1-1/2" Type K Copper Water Distribution Pipe.....	14.21	3.69
33 14 13 39-0007 LF 2" Type K Copper Water Distribution Pipe.....	19.33	4.61
33 14 13 39-0008 LF 2-1/2" Type K Copper Water Distribution Pipe.....	27.97	5.54
33 14 13 39-0009 LF 3" Type K Copper Water Distribution Pipe.....	35.82	6.09
33 14 13 39-0010 LF 3-1/2" Type K Copper Water Distribution Pipe.....	47.53	7.66
33 14 13 39-0011 LF 4" Type K Copper Water Distribution Pipe.....	60.66	9.69
33 14 13 39-0012 LF 5" Type K Copper Water Distribution Pipe.....	130.23	12.10
33 14 13 39-0013 LF 6" Type K Copper Water Distribution Pipe.....	180.95	14.59
33 14 13 39-0014 LF 8" Type K Copper Water Distribution Pipe.....	315.16	16.34
33 14 13 43 Public Water Utility Distribution Piping Coatings And Wraps <small>(33 14 13)</small>		
33 14 13 43-0001 Pipe Coatings <small>(33 14 13 43)</small>		
33 14 13 43-0002 Coal Tar Epoxy, Wrapped With Kraft Paper, Pipe Coating <small>(33 14 13 43-0001)</small>		
33 14 13 43-0003 LF 8" Outside Diameter Of Pipe, Coal Tar Epoxy, Wrapped With Kraft Paper, Pipe Coating.....	2.92	
33 14 13 43-0004 LF 10" Outside Diameter Of Pipe, Coal Tar Epoxy, Wrapped With Kraft Paper, Pipe Coating.....	3.48	
33 14 13 43-0005 LF 12" Outside Diameter Of Pipe, Coal Tar Epoxy, Wrapped With Kraft Paper, Pipe Coating.....	4.11	
33 14 13 43-0006 LF 14" Outside Diameter Of Pipe, Coal Tar Epoxy, Wrapped With Kraft Paper, Pipe Coating.....	5.46	
33 14 13 43-0007 LF 16" Outside Diameter Of Pipe, Coal Tar Epoxy, Wrapped With Kraft Paper, Pipe Coating.....	6.22	
33 14 13 43-0008 LF 18" Outside Diameter Of Pipe, Coal Tar Epoxy, Wrapped With Kraft Paper, Pipe Coating.....	6.54	
33 14 13 43-0009 LF 20" Outside Diameter Of Pipe, Coal Tar Epoxy, Wrapped With Kraft Paper, Pipe Coating.....	7.05	
33 14 13 43-0010 LF 24" Outside Diameter Of Pipe, Coal Tar Epoxy, Wrapped With Kraft Paper, Pipe Coating.....	8.21	
33 14 13 43-0011 LF 30" Outside Diameter Of Pipe, Coal Tar Epoxy, Wrapped With Kraft Paper, Pipe Coating.....	10.78	
33 14 13 43-0012 LF 36" Outside Diameter Of Pipe, Coal Tar Epoxy, Wrapped With Kraft Paper, Pipe Coating.....	17.03	
33 14 13 43-0013 LF 42" Outside Diameter Of Pipe, Coal Tar Epoxy, Wrapped With Kraft Paper, Pipe Coating.....	36.71	
33 14 13 43-0014 LF 48" Outside Diameter Of Pipe, Coal Tar Epoxy, Wrapped With Kraft Paper, Pipe Coating.....	41.95	
33 14 13 43-0015 LF 54" Outside Diameter Of Pipe, Coal Tar Epoxy, Wrapped With Kraft Paper, Pipe Coating.....	47.20	
33 14 13 43-0016 LF 60" Outside Diameter Of Pipe, Coal Tar Epoxy, Wrapped With Kraft Paper, Pipe Coating.....	52.44	
33 14 13 43-0017 LF 66" Outside Diameter Of Pipe, Coal Tar Epoxy, Wrapped With Kraft Paper, Pipe Coating.....	57.69	
33 14 13 43-0018 LF 72" Outside Diameter Of Pipe, Coal Tar Epoxy, Wrapped With Kraft Paper, Pipe Coating.....	62.90	
33 14 13 43-0019 LF 78" Outside Diameter Of Pipe, Coal Tar Epoxy, Wrapped With Kraft Paper, Pipe Coating.....	68.17	
33 14 13 43-0020 Cement Coating With Fiberglass Or Wire Mesh Reinforcing <small>(33 14 13 43-0001)</small>		
<i>Note: Applied at fabrication shop. Thickness ranging between 1" and 2".</i>		
33 14 13 43-0021 LF 4" Diameter Cement Coated Pipe 1" To 2" Mesh.....	7.73	
<i>Note: Reinforcing applied at fabrication shop.</i>		

33 Utilities**33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 43-0022 LF 6" Diameter Cement Coated Pipe 1" To 2" Mesh Note: Reinforcing applied at fabrication shop.	9.51	
33 14 13 43-0023 LF 8" Diameter Cement Coated Pipe 1" To 2" Mesh Note: Reinforcing applied at fabrication shop.	11.89	
33 14 13 43-0024 LF 10" Diameter Cement Coated Pipe 1" To 2" Mesh Note: Reinforcing applied at fabrication shop.	13.24	
33 14 13 43-0025 LF 12" Diameter Cement Coated Pipe 1" To 2" Mesh Note: Reinforcing applied at fabrication shop.	14.95	
33 14 13 43-0026 LF 14" Diameter Cement Coated Pipe 1" To 2" Mesh Note: Reinforcing applied at fabrication shop.	17.50	
33 14 13 43-0027 LF 16" Diameter Cement Coated Pipe 1" To 2" Mesh Note: Reinforcing applied at fabrication shop.	19.88	
33 14 13 43-0028 LF 18" Diameter Cement Coated Pipe 1" To 2" Mesh Note: Reinforcing applied at fabrication shop.	22.43	
33 14 13 43-0029 LF 20" Diameter Cement Coated Pipe 1" To 2" Mesh Note: Reinforcing applied at fabrication shop.	24.93	
33 14 13 43-0030 LF 24" Diameter Cement Coated Pipe 1" To 2" Mesh Note: Reinforcing applied at fabrication shop.	29.91	
33 14 13 43-0031 LF 30" Diameter Cement Coated Pipe 1" To 2" Mesh Note: Reinforcing applied at fabrication shop.	37.38	
33 14 13 43-0032 LF 36" Diameter Cement Coated Pipe 1" To 2" Mesh Note: Reinforcing applied at fabrication shop.	44.86	
33 14 13 43-0033 LF 42" Diameter Cement Coated Pipe 1" To 2" Mesh Note: Reinforcing applied at fabrication shop.	25.10	
33 14 13 43-0034 LF 48" Diameter Cement Coated Pipe 1" To 2" Mesh Note: Reinforcing applied at fabrication shop.	28.68	
33 14 13 43-0035 LF 54" Diameter Cement Coated Pipe 1" To 2" Mesh Note: Reinforcing applied at fabrication shop.	32.27	
33 14 13 43-0036 LF 60" Diameter Cement Coated Pipe 1" To 2" Mesh Note: Reinforcing applied at fabrication shop.	35.85	
33 14 13 43-0037 LF 66" Diameter Cement Coated Pipe 1" To 2" Mesh Note: Reinforcing applied at fabrication shop.	39.44	
33 14 13 43-0038 LF 72" Diameter Cement Coated Pipe 1" To 2" Mesh Note: Reinforcing applied at fabrication shop.	43.02	
33 14 13 43-0039 LF 78" Diameter Cement Coated Pipe 1" To 2" Mesh Note: Reinforcing applied at fabrication shop.	46.61	
33 14 13 43-0040 Pipe Lining (33 14 13 43)		
33 14 13 43-0041 Cement Pipe Lining (33 14 13 43-0040) Note: Shop applied.		
33 14 13 43-0042 LF 4" Outside Diameter, 1/4" Thick Cement Pipe Lining..... <i>For 1/2" Thick, Add</i>	10.78 1.03	
33 14 13 43-0043 LF 6" Outside Diameter, 1/4" Thick Cement Pipe Lining..... <i>For 1/2" Thick, Add</i>	13.38 1.27	
33 14 13 43-0044 LF 8" Outside Diameter, 1/4" Thick Cement Pipe Lining..... <i>For 1/2" Thick, Add</i>	16.37 1.58	
33 14 13 43-0045 LF 10" Outside Diameter, 1/4" Thick Cement Pipe Lining..... <i>For 1/2" Thick, Add</i>	21.18 1.98	
33 14 13 43-0046 LF 12" Outside Diameter, 1/4" Thick Cement Pipe Lining..... <i>For 1/2" Thick, Add</i>	25.98 2.38	
33 14 13 43-0047 LF 14" Outside Diameter, 1/4" Thick Cement Pipe Lining..... <i>For 1/2" Thick, Add</i>	32.95 2.79	
33 14 13 43-0048 LF 16" Outside Diameter, 1/4" Thick Cement Pipe Lining..... <i>For 1/2" Thick, Add</i>	42.24 3.17	
33 14 13 43-0049 LF 18" Outside Diameter, 5/16" Thick Cement Pipe Lining..... <i>For 1/2" Thick, Add</i>	50.25 3.04	
33 14 13 43-0050 LF 20" Outside Diameter, 5/16" Thick Cement Pipe Lining..... <i>For 1/2" Thick, Add</i>	60.33 3.38	
33 14 13 43-0051 LF 24" Outside Diameter, 5/16" Thick Cement Pipe Lining..... <i>For 1/2" Thick, Add</i>	73.10 4.05	
33 14 13 43-0052 LF 30" Outside Diameter, 5/16" Thick Cement Pipe Lining..... <i>For 1/2" Thick, Add</i>	88.21 5.06	
33 14 13 43-0053 LF 36" Outside Diameter, 5/16" Thick Cement Pipe Lining..... <i>For 1/2" Thick, Add</i>	106.12 6.08	
33 14 13 43-0054 LF 42" Outside Diameter, 3/8" Thick Cement Pipe Lining..... <i>For 1/2" Thick, Add</i>	123.84 5.21	
33 14 13 43-0055 LF 48" Outside Diameter, 3/8" Thick Cement Pipe Lining..... <i>For 1/2" Thick, Add</i>	141.48 5.96	
33 14 13 43-0056 LF 54" Outside Diameter, 3/8" Thick Cement Pipe Lining..... <i>For 1/2" Thick, Add</i>	159.19 6.70	
33 14 13 43-0057 LF 60" Outside Diameter, 3/8" Thick Cement Pipe Lining..... <i>For 1/2" Thick, Add</i>	176.90 7.45	
33 14 13 43-0058 LF 66" Outside Diameter, 7/16" Thick Cement Pipe Lining..... <i>For 1/2" Thick, Add</i>	194.55 4.37	
33 14 13 43-0059 LF 72" Outside Diameter, 7/16" Thick Cement Pipe Lining..... <i>For 1/2" Thick, Add</i>	212.26 4.77	
33 14 13 43-0060 LF 78" Outside Diameter, 7/16" Thick Cement Pipe Lining..... <i>For 1/2" Thick, Add</i>	229.97 5.16	
33 14 13 43-0061 Cement Fitting Lining (33 14 13 43-0040) Note: Shop applied.		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 43-0062 EA 4" Outside Diameter, 1/4" Thick Cement Fitting Lining <i>For 1/2" Thick, Add</i>	10.78 1.03	
33 14 13 43-0063 EA 6" Outside Diameter, 1/4" Thick Cement Fitting Lining <i>For 1/2" Thick, Add</i>	13.38 1.27	
33 14 13 43-0064 EA 8" Outside Diameter, 1/4" Thick Cement Fitting Lining <i>For 1/2" Thick, Add</i>	20.86 2.06	
33 14 13 43-0065 EA 10" Outside Diameter, 1/4" Thick Cement Fitting Lining <i>For 1/2" Thick, Add</i>	34.15 3.17	
33 14 13 43-0066 EA 12" Outside Diameter, 1/4" Thick Cement Fitting Lining <i>For 1/2" Thick, Add</i>	51.99 4.77	
33 14 13 43-0067 EA 14" Outside Diameter, 1/4" Thick Cement Fitting Lining <i>For 1/2" Thick, Add</i>	76.42 6.41	
33 14 13 43-0068 EA 16" Outside Diameter, 1/4" Thick Cement Fitting Lining <i>For 1/2" Thick, Add</i>	111.57 8.24	
33 14 13 43-0069 EA 18" Outside Diameter, 5/16" Thick Cement Fittings Lining <i>For 1/2" Thick, Add</i>	150.74 9.11	
33 14 13 43-0070 EA 20" Outside Diameter, 5/16" Thick Cement Fitting Lining <i>For 1/2" Thick, Add</i>	201.01 11.25	
33 14 13 43-0071 EA 24" Outside Diameter, 5/16" Thick Cement Fitting Lining <i>For 1/2" Thick, Add</i>	292.39 16.20	

33 14 13 43-0072 8 Mil Polyethylene Encasement Tubing (33 14 13 43)

Note: ANSI/AWWA C105/A21.5-99 section 4.2.

33 14 13 43-0073 LF 3" To 8" Diameter, 8 Mil Polyethylene Encasement Tubing.....	0.62
33 14 13 43-0074 LF 10" To 12" Diameter, 8 Mil Polyethylene Encasement Tubing.....	1.07
33 14 13 43-0075 LF 14" To 16" Diameter, 8 Mil Polyethylene Encasement Tubing.....	1.38
33 14 13 43-0076 LF 18" To 20" Diameter, 8 Mil Polyethylene Encasement Tubing.....	1.77
33 14 13 43-0077 LF 24" Diameter, 8 Mil Polyethylene Encasement Tubing.....	2.50
33 14 13 43-0078 LF 30" Diameter, 8 Mil Polyethylene Encasement Tubing.....	3.26
33 14 13 43-0079 LF 36" To 42" Diameter, 8 Mil Polyethylene Encasement Tubing.....	4.12
33 14 13 43-0080 LF 48" Diameter, 8 Mil Polyethylene Encasement Tubing.....	4.93
33 14 13 43-0081 LF 54" To 60" Diameter, 8 Mil Polyethylene Encasement Tubing.....	6.20

33 14 13 53 Public Water Utility Distribution Piping Saddles And Adapters (33 14 13)

33 14 13 53-0001 Double Stud Stainless Steel Service Saddles (33 14 13 53)

Note: 1/2" listed taps are compression, 3/4" to 2" are either compression or NPT.

33 14 13 53-0002 EA 4" Diameter x 1/2", 3/4" Or 1" Tap Double Stud Stainless Steel Service Saddle (Smith-Blair 372)	222.92
33 14 13 53-0003 EA 4" Diameter x 1-1/4" Or 1-1/2" Tap Double Stud Stainless Steel Service Saddle (Smith-Blair 372)	317.35
33 14 13 53-0004 EA 4" Diameter x 2" Tap Double Stud Stainless Steel Service Saddle (Smith-Blair 372)	327.37
33 14 13 53-0005 EA 6" Diameter x 1/2", 3/4" Or 1" Tap Double Stud Stainless Steel Service Saddle (Smith-Blair 372)	268.52
33 14 13 53-0006 EA 6" Diameter x 1-1/4", 1-1/2" Or 2" Tap Double Stud Stainless Steel Service Saddle (Smith-Blair 372)	339.23
33 14 13 53-0007 EA 8" Diameter x 1/2", 3/4" Or 1" Tap Double Stud Stainless Steel Service Saddle (Smith-Blair 372)	280.29
33 14 13 53-0008 EA 8" Diameter x 1-1/4", 1-1/2" Or 2" Tap Double Stud Stainless Steel Service Saddle (Smith-Blair 372)	355.06
33 14 13 53-0009 EA 10" Diameter x 1/2", 3/4" Or 1" Tap Double Stud Stainless Steel Service Saddle (Smith-Blair 372)	316.54
33 14 13 53-0010 EA 10" Diameter x 1-1/4", 1-1/2" Or 2" Tap Double Stud Stainless Steel Service Saddle (Smith-Blair 372)	374.01
33 14 13 53-0011 EA 12" Diameter x 1/2", 3/4" Or 1" Tap Double Stud Stainless Steel Service Saddle (Smith-Blair 372)	329.86
33 14 13 53-0012 EA 12" Diameter x 1-1/4", 1-1/2" Or 2" Tap Double Stud Stainless Steel Service Saddle (Smith-Blair 372)	384.32

33 14 13 53-0013 Double Bale Epoxy Coated Ductile Iron Body Service Saddles (33 14 13 53)

Note: Electro-galvanized steel bales. 5/8" listed taps are compression. 3/4" to 2" are either compression or NPT. 2-1/2", 3" or 4" are NPT.

33 14 13 53-0014 EA 1-1/4" To 1-1/2" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	183.63
33 14 13 53-0015 EA 2" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	183.76
33 14 13 53-0016 EA 2" Diameter x 1-1/4" To 1-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	195.47
33 14 13 53-0017 EA 2-1/2" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	187.04
33 14 13 53-0018 EA 3" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	200.16
33 14 13 53-0019 EA 3" Diameter x 1-1/4" To 1-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	221.99
33 14 13 53-0020 EA 3" Diameter x 2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	236.17
33 14 13 53-0021 EA 4" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	215.54
33 14 13 53-0022 EA 4" Diameter x 1-1/4" To 1-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	237.56
33 14 13 53-0023 EA 4" Diameter x 2" To 2-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	249.54
33 14 13 53-0024 EA 5" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	227.36
33 14 13 53-0025 EA 5" Diameter x 1-1/4" To 1-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	250.10
33 14 13 53-0026 EA 5" Diameter x 2" To 2-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	262.03
33 14 13 53-0027 EA 6" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	239.62
33 14 13 53-0028 EA 6" Diameter x 1-1/4" To 1-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	261.68
33 14 13 53-0029 EA 6" Diameter x 2" To 2-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	273.44
33 14 13 53-0030 EA 6" Diameter x 3" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	407.23
33 14 13 53-0031 EA 6" Diameter x 4" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	417.25
33 14 13 53-0032 EA 8" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	259.95
33 14 13 53-0033 EA 8" Diameter x 1-1/4" To 1-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	286.76
33 14 13 53-0034 EA 8" Diameter x 2" To 2-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	297.62
33 14 13 53-0035 EA 8" Diameter x 3" To 4" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	483.73
33 14 13 53-0036 EA 10" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	292.11
33 14 13 53-0037 EA 10" Diameter x 1-1/4" To 1-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	324.44
33 14 13 53-0038 EA 10" Diameter x 3" To 4" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	541.55

33 Utilities**33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 53-0039 EA 12" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313).....	318.43	
33 14 13 53-0040 EA 12" Diameter x 1-1/4" To 1-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313).....	352.68	
33 14 13 53-0041 EA 12" Diameter x 2" To 2-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313).....	365.17	
33 14 13 53-0042 EA 12" Diameter x 3" To 4" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313).....	605.88	
33 14 13 53-0043 EA 14" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313).....	373.71	
33 14 13 53-0044 EA 14" Diameter x 1-1/4" To 1-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313).....	400.37	
33 14 13 53-0045 EA 14" Diameter x 2" To 2-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313).....	431.75	
33 14 13 53-0046 EA 14" Diameter x 3" To 4" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313).....	748.41	
33 14 13 53-0047 EA 15" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313).....	383.73	
33 14 13 53-0048 EA 15" Diameter x 1-1/4" To 1-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313).....	438.68	
33 14 13 53-0049 EA 15" Diameter x 2" To 2-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313).....	456.97	
33 14 13 53-0050 EA 15" Diameter x 3" To 4" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313).....	805.15	
33 14 13 53-0051 EA 16" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313).....	401.01	
33 14 13 53-0052 EA 16" Diameter x 1-1/4" To 1-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313).....	458.01	
33 14 13 53-0053 EA 16" Diameter x 2" To 2-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313).....	476.79	
33 14 13 53-0054 EA 16" Diameter x 3" To 4" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313).....	837.98	
33 14 13 53-0055 EA 18" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313).....	445.14	
33 14 13 53-0056 EA 18" Diameter x 1-1/4" To 2-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313).....	516.24	
33 14 13 53-0057 EA 20" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313).....	509.29	
33 14 13 53-0058 EA 20" Diameter x 1-1/4" To 2-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313).....	564.45	
33 14 13 53-0059 EA 24" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313).....	532.04	
33 14 13 53-0060 EA 24" Diameter x 1-1/4" To 2-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313).....	601.86	
33 14 13 53-0061 Double Bale Bronze Service Saddles (33 14 13 53)		
33 14 13 53-0062 EA 4" Diameter x 3/4" To 1" Tap Double Bale Bronze Service Saddle (Mueller BR2B).....	256.95	
33 14 13 53-0063 EA 4" Diameter x 1-1/4" To 2" Tap Double Bale Bronze Service Saddle (Mueller BR2B).....	281.38	
33 14 13 53-0064 EA 6" Diameter x 3/4" To 1" Tap Double Bale Bronze Service Saddle (Mueller BR2B).....	292.37	
33 14 13 53-0065 EA 6" Diameter x 1-1/4" To 2" Tap Double Bale Bronze Service Saddle (Mueller BR2B).....	317.03	
33 14 13 53-0066 EA 8" Diameter x 3/4" To 1" Tap Double Bale Bronze Service Saddle (Mueller BR2B).....	326.68	
33 14 13 53-0067 EA 8" Diameter x 1-1/4" To 2" Tap Double Bale Bronze Service Saddle (Mueller BR2B).....	343.34	
33 14 13 53-0068 EA 10" Diameter x 3/4" To 1" Tap Double Bale Bronze Service Saddle (Mueller BR2B).....	315.41	
33 14 13 53-0069 EA 10" Diameter x 1-1/4" To 2" Tap Double Bale Bronze Service Saddle (Mueller BR2B).....	335.73	
33 14 13 53-0070 EA 12" Diameter x 3/4" To 1" Tap Double Bale Bronze Service Saddle (Mueller BR2B).....	403.59	
33 14 13 53-0071 EA 12" Diameter x 1-1/4" To 2" Tap Double Bale Bronze Service Saddle (Mueller BR2B).....	437.05	
33 14 13 53-0072 EA 14" Diameter x 3/4" To 1" Tap Double Bale Bronze Service Saddle (Mueller BR2B).....	614.62	
33 14 13 53-0073 EA 14" Diameter x 1-1/4" To 2" Tap Double Bale Bronze Service Saddle (Mueller BR2B).....	517.79	
33 14 13 53-0074 EA 16" Diameter x 3/4" To 1" Tap Double Bale Bronze Service Saddle (Mueller BR2B).....	716.08	
33 14 13 53-0075 EA 16" Diameter x 1-1/4" To 2" Tap Double Bale Bronze Service Saddle (Mueller BR2B).....	591.30	
33 14 13 53-0076 Stainless Steel Double Straps, Bronze Body Service Saddle (33 14 13 53)		
Note: Taps are compression or NPT.		
33 14 13 53-0077 EA 4" Diameter x 3/4" To 1" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S).....	270.64	
33 14 13 53-0078 EA 4" Diameter x 1-1/4" To 2" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S).....	298.66	
33 14 13 53-0079 EA 6" Diameter x 3/4" To 1" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S).....	308.55	
33 14 13 53-0080 EA 6" Diameter x 1-1/4" To 2" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S).....	335.52	
33 14 13 53-0081 EA 8" Diameter x 3/4" To 1" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S).....	346.68	
33 14 13 53-0082 EA 8" Diameter x 1-1/4" To 2" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S).....	364.42	
33 14 13 53-0083 EA 10" Diameter x 3/4" To 1" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S).....	391.65	
33 14 13 53-0084 EA 10" Diameter x 1-1/4" To 2" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S).....	419.50	
33 14 13 53-0085 EA 12" Diameter x 3/4" To 1" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S).....	421.93	
33 14 13 53-0086 EA 12" Diameter x 1-1/4" To 2" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S).....	457.74	
33 14 13 53-0087 EA 14" Diameter x 3/4" To 1" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S).....	660.04	
33 14 13 53-0088 EA 14" Diameter x 1-1/4" To 2" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S).....	550.61	
33 14 13 53-0089 EA 16" Diameter x 3/4" To 1" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S).....	769.97	
33 14 13 53-0090 EA 16" Diameter x 1-1/4" To 2" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S).....	630.42	
33 14 13 53-0091 Ductile Iron Mechanical Joint Tapping Sleeve (33 14 13 53)		
33 14 13 53-0092 EA 4" Diameter x 4" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615).....	1,227.06	
33 14 13 53-0093 EA 6" Diameter x 4" Or 6" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615).....	1,480.65	
33 14 13 53-0094 EA 8" Diameter x 4" Or 6" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615).....	1,772.44	
33 14 13 53-0095 EA 8" Diameter x 8" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615).....	1,877.52	
33 14 13 53-0096 EA 10" Diameter x 4" Or 6" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615).....	2,880.89	
33 14 13 53-0097 EA 10" Diameter x 8" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615).....	3,028.53	
33 14 13 53-0098 EA 10" Diameter x 10" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615).....	3,091.01	
33 14 13 53-0099 EA 12" Diameter x 4" Or 6" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615).....	3,031.16	
33 14 13 53-0100 EA 12" Diameter x 8" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615).....	3,178.19	
33 14 13 53-0101 EA 12" Diameter x 10" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615).....	3,538.62	
33 14 13 53-0102 EA 12" Diameter x 12" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615).....	3,628.99	
33 14 13 53-0103 EA 14" Diameter x 6" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615).....	6,125.27	
33 14 13 53-0104 EA 14" Diameter x 8" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615).....	6,291.62	
33 14 13 53-0105 EA 14" Diameter x 10" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615).....	6,365.58	



	MINOR CSI UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 53-0106	EA	14" Diameter x 12" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	6,396.53	
33 14 13 53-0107	EA	14" Diameter x 14" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	6,631.56	
33 14 13 53-0108	EA	16" Diameter x 4" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	6,618.68	
33 14 13 53-0109	EA	16" Diameter x 6" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	6,638.73	
33 14 13 53-0110	EA	16" Diameter x 8" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	6,824.77	
33 14 13 53-0111	EA	16" Diameter x 10" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	6,867.51	
33 14 13 53-0112	EA	16" Diameter x 12" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	6,914.69	
33 14 13 53-0113	EA	16" Diameter x 14" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	10,662.99	
33 14 13 53-0114	EA	16" Diameter x 16" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	7,251.49	
33 14 13 53-0115	EA	18" Diameter x 4" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	9,236.54	
33 14 13 53-0116	EA	18" Diameter x 6" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	9,658.53	
33 14 13 53-0117	EA	18" Diameter x 8", 10", 12" Or 16" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	9,773.38	
33 14 13 53-0118	EA	18" Diameter x 18" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	10,125.41	
33 14 13 53-0119	EA	20" Diameter x 4" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	8,618.69	
33 14 13 53-0120	EA	20" Diameter x 6" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	8,295.49	
33 14 13 53-0121	EA	20" Diameter x 8" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	8,455.51	
33 14 13 53-0122	EA	20" Diameter x 10" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	8,517.10	
33 14 13 53-0123	EA	20" Diameter x 12" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	8,829.83	
33 14 13 53-0124	EA	20" Diameter x 14" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	11,991.35	
33 14 13 53-0125	EA	20" Diameter x 16", 18" Or 20" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	12,221.31	
33 14 13 53-0126	EA	24" Diameter x 4", 6" Or 8" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	10,425.55	
33 14 13 53-0127	EA	24" Diameter x 10" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	10,568.64	
33 14 13 53-0128	EA	24" Diameter x 12" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	10,609.02	
33 14 13 53-0129	EA	24" Diameter x 14" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	14,756.44	
33 14 13 53-0130	EA	24" Diameter x 16" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	14,945.56	
33 14 13 53-0131	EA	24" Diameter x 18" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	14,985.62	
33 14 13 53-0132	EA	24" Diameter x 20" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	15,398.29	
33 14 13 53-0133	EA	24" Diameter x 24" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	15,592.78	
33 14 13 53-0134		Carbon Steel Epoxy Coated Flange, Stainless Steel Tapping Sleeve <small>(33 14 13 53)</small>		
33 14 13 53-0135	EA	4" Diameter x 4" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	1,012.21	
33 14 13 53-0136	EA	6" Diameter x 4" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	1,070.38	
33 14 13 53-0137	EA	6" Diameter x 6" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	1,172.98	
33 14 13 53-0138	EA	8" Diameter x 4" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	1,203.15	
33 14 13 53-0139	EA	8" Diameter x 6" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	1,253.44	
33 14 13 53-0140	EA	8" Diameter x 8" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	1,446.52	
33 14 13 53-0141	EA	10" Diameter x 4" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	1,311.08	
33 14 13 53-0142	EA	10" Diameter x 6" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	1,359.99	
33 14 13 53-0143	EA	10" Diameter x 8" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	1,529.51	
33 14 13 53-0144	EA	10" Diameter x 10" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	2,136.56	
33 14 13 53-0145	EA	12" Diameter x 4" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	1,471.06	
33 14 13 53-0146	EA	12" Diameter x 6" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	1,543.60	
33 14 13 53-0147	EA	12" Diameter x 8" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	1,710.41	
33 14 13 53-0148	EA	12" Diameter x 10" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	2,254.03	
33 14 13 53-0149	EA	12" Diameter x 12" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	2,463.61	
33 14 13 53-0150	EA	14" Diameter x 4" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	1,946.40	
33 14 13 53-0151	EA	14" Diameter x 6" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	2,006.12	
33 14 13 53-0152	EA	14" Diameter x 8" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	2,366.02	
33 14 13 53-0153	EA	14" Diameter x 10" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	2,812.63	
33 14 13 53-0154	EA	14" Diameter x 12" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	3,102.45	
33 14 13 53-0155	EA	16" Diameter x 4" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	2,316.63	
33 14 13 53-0156	EA	16" Diameter x 6" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	2,378.34	
33 14 13 53-0157	EA	16" Diameter x 8" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	2,616.01	
33 14 13 53-0158	EA	16" Diameter x 10" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	3,255.53	
33 14 13 53-0159	EA	16" Diameter x 12" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	3,405.36	
33 14 13 53-0160	EA	18" Diameter x 4" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	2,447.40	
33 14 13 53-0161	EA	18" Diameter x 6" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	2,560.59	
33 14 13 53-0162	EA	18" Diameter x 8" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	2,718.52	
33 14 13 53-0163	EA	18" Diameter x 10" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	3,471.36	
33 14 13 53-0164	EA	18" Diameter x 12" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	3,621.01	
33 14 13 53-0165	EA	20" Diameter x 4" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	2,962.45	
33 14 13 53-0166	EA	20" Diameter x 6" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	3,024.02	
33 14 13 53-0167	EA	20" Diameter x 8" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	3,380.56	
33 14 13 53-0168	EA	20" Diameter x 10" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	3,984.66	
33 14 13 53-0169	EA	20" Diameter x 12" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	4,240.00	
33 14 13 53-0170	EA	24" Diameter x 4" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	3,192.39	
33 14 13 53-0171	EA	24" Diameter x 6" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	3,329.36	
33 14 13 53-0172	EA	24" Diameter x 8" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	3,514.96	
33 14 13 53-0173	EA	24" Diameter x 10" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	4,373.10	
33 14 13 53-0174	EA	24" Diameter x 12" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	4,529.21	
33 14 13 53-0175		Stainless Steel Flange, Stainless Steel Tapping Sleeve <small>(33 14 13 53)</small>		
33 14 13 53-0176	EA	4" Diameter x 4" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	1,176.80	
33 14 13 53-0177	EA	6" Diameter x 4" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	1,278.26	
33 14 13 53-0178	EA	6" Diameter x 6" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	1,354.12	
33 14 13 53-0179	EA	8" Diameter x 4" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	1,377.03	
33 14 13 53-0180	EA	8" Diameter x 6" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	1,464.68	
33 14 13 53-0181	EA	8" Diameter x 8" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	1,729.91	
33 14 13 53-0182	EA	10" Diameter x 4" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	1,580.28	

33 Utilities**33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

33 14 13 53-0183	EA	10" Diameter x 6" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	1,677.65	
33 14 13 53-0184	EA	10" Diameter x 8" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	1,915.19	
33 14 13 53-0185	EA	10" Diameter x 10" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	2,603.91	
33 14 13 53-0186	EA	12" Diameter x 4" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	1,801.54	
33 14 13 53-0187	EA	12" Diameter x 6" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	1,934.90	
33 14 13 53-0188	EA	12" Diameter x 8" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	2,249.28	
33 14 13 53-0189	EA	12" Diameter x 10" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	2,659.38	
33 14 13 53-0190	EA	12" Diameter x 12" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	2,972.52	
33 14 13 53-0191	EA	14" Diameter x 4" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	2,055.29	
33 14 13 53-0192	EA	14" Diameter x 6" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	2,219.27	
33 14 13 53-0193	EA	14" Diameter x 8" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	2,573.47	
33 14 13 53-0194	EA	14" Diameter x 10" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	2,983.98	
33 14 13 53-0195	EA	14" Diameter x 12" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	3,200.29	
33 14 13 53-0196	EA	16" Diameter x 4" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	2,514.43	
33 14 13 53-0197	EA	16" Diameter x 6" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	2,739.23	
33 14 13 53-0198	EA	16" Diameter x 8" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	2,910.12	
33 14 13 53-0199	EA	16" Diameter x 10" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	3,351.64	
33 14 13 53-0200	EA	16" Diameter x 12" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	3,650.60	
33 14 13 53-0201	EA	18" Diameter x 4" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	2,766.68	
33 14 13 53-0202	EA	18" Diameter x 6" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	3,103.51	
33 14 13 53-0203	EA	18" Diameter x 8" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	3,281.94	
33 14 13 53-0204	EA	18" Diameter x 10" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	3,669.70	
33 14 13 53-0205	EA	18" Diameter x 12" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	4,183.30	
33 14 13 53-0206	EA	20" Diameter x 4" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	2,981.30	
33 14 13 53-0207	EA	20" Diameter x 6" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	3,317.28	
33 14 13 53-0208	EA	20" Diameter x 8" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	3,461.90	
33 14 13 53-0209	EA	20" Diameter x 10" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	4,185.01	
33 14 13 53-0210	EA	20" Diameter x 12" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	4,586.74	
33 14 13 53-0211	EA	24" Diameter x 4" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	3,540.59	
33 14 13 53-0212	EA	24" Diameter x 6" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	3,586.88	
33 14 13 53-0213	EA	24" Diameter x 8" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	3,760.68	
33 14 13 53-0214	EA	24" Diameter x 10" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	4,624.16	
33 14 13 53-0215	EA	24" Diameter x 12" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	5,084.20	

33 14 13 53-0216 Ductile Iron Body, Flanged Coupling Adapter (33 14 13 53)

33 14 13 53-0217	EA	3" Ductile Iron Body, Flanged Coupling Adapter (Smith-Blair 912)	309.45	59.60
33 14 13 53-0218	EA	4" Ductile Iron Body, Flanged Coupling Adapter (Smith-Blair 912)	387.79	75.15
33 14 13 53-0219	EA	6" Ductile Iron Body, Flanged Coupling Adapter (Smith-Blair 912)	510.63	103.65
33 14 13 53-0220	EA	8" Ductile Iron Body, Flanged Coupling Adapter (Smith-Blair 912)	659.92	121.79
33 14 13 53-0221	EA	10" Ductile Iron Body, Flanged Coupling Adapter (Smith-Blair 912)	1,028.38	137.34
33 14 13 53-0222	EA	12" Ductile Iron Body, Flanged Coupling Adapter (Smith-Blair 912)	1,149.16	155.47

33 14 13 53-0223 Steel Body, Flanged Coupling Adapter (33 14 13 53)

33 14 13 53-0224	EA	3" Steel Body, Flanged Coupling Adapter (Smith-Blair 913)	447.51	59.60
33 14 13 53-0225	EA	4" Steel Body, Flanged Coupling Adapter (Smith-Blair 913)	529.85	75.15
33 14 13 53-0226	EA	6" Steel Body, Flanged Coupling Adapter (Smith-Blair 913)	707.95	103.65
33 14 13 53-0227	EA	8" Steel Body, Flanged Coupling Adapter (Smith-Blair 913)	865.29	121.79
33 14 13 53-0228	EA	10" Steel Body, Flanged Coupling Adapter (Smith-Blair 913)	1,054.73	137.34
33 14 13 53-0229	EA	12" Steel Body, Flanged Coupling Adapter (Smith-Blair 913)	1,228.38	155.47
33 14 13 53-0230	EA	14" Steel Body, Flanged Coupling Adapter (Smith-Blair 913)	1,457.39	171.03
33 14 13 53-0231	EA	16" Steel Body, Flanged Coupling Adapter (Smith-Blair 913)	1,723.69	186.57
33 14 13 53-0232	EA	18" Steel Body, Flanged Coupling Adapter (Smith-Blair 913)	2,033.39	205.23
33 14 13 53-0233	EA	20" Steel Body, Flanged Coupling Adapter (Smith-Blair 913)	2,400.43	225.75

33 14 13 53-0234 Steel Body, Flanged-Lock Restrained Coupling Adapters (33 14 13 53)

33 14 13 53-0235	EA	4" Steel Body, Flanged-Lock Restrained Coupling Adapter (Smith-Blair 911)	397.03	75.15
33 14 13 53-0236	EA	6" Steel Body, Flanged-Lock Restrained Coupling Adapter (Smith-Blair 911)	533.42	103.65
33 14 13 53-0237	EA	8" Steel Body, Flanged-Lock Restrained Coupling Adapter (Smith-Blair 911)	591.72	121.79
33 14 13 53-0238	EA	10" Steel Body, Flanged-Lock Restrained Coupling Adapter (Smith-Blair 911)	857.87	137.34
33 14 13 53-0239	EA	12" Steel Body, Flanged-Lock Restrained Coupling Adapter (Smith-Blair 911)	1,089.72	155.47
33 14 13 53-0240	EA	14" Steel Body, Flanged-Lock Restrained Coupling Adapter (Smith-Blair 911)	1,221.72	171.03
33 14 13 53-0241	EA	16" Steel Body, Flanged-Lock Restrained Coupling Adapter (Smith-Blair 911)	1,433.94	186.57
33 14 13 53-0242	EA	18" Steel Body, Flanged-Lock Restrained Coupling Adapter (Smith-Blair 911)	1,608.59	205.23
33 14 13 53-0243	EA	20" Steel Body, Flanged-Lock Restrained Coupling Adapter (Smith-Blair 911)	1,930.06	225.75
33 14 13 53-0244	EA	24" Steel Body, Flanged-Lock Restrained Coupling Adapter (Smith-Blair 911)	2,321.43	248.34
33 14 13 53-0245	EA	30" Steel Body, Flanged-Lock Restrained Coupling Adapter (Smith-Blair 911)	4,798.36	273.12
33 14 13 53-0246	EA	36" Steel Body, Flanged-Lock Restrained Coupling Adapter (Smith-Blair 911)	6,465.55	300.48

33 14 13 53-0247 Ductile Iron Body, Omni Coupling System (33 14 13 53)

33 14 13 53-0248	EA	2" Ductile Iron Body, Omni Coupling System (Smith-Blair 441)	142.10	41.46
33 14 13 53-0249	EA	2-1/2" Ductile Iron Body, Omni Coupling System (Smith-Blair 441)	174.98	49.23
33 14 13 53-0250	EA	3" Ductile Iron Body, Omni Coupling System (Smith-Blair 441)	216.42	59.60
33 14 13 53-0251	EA	4" Ductile Iron Body, Omni Coupling System (Smith-Blair 441)	271.83	75.15
33 14 13 53-0252	EA	6" Ductile Iron Body, Omni Coupling System (Smith-Blair 441)	363.18	103.65
33 14 13 53-0253	EA	8" Ductile Iron Body, Omni Coupling System (Smith-Blair 441)	440.63	121.79
33 14 13 53-0254	EA	10" Ductile Iron Body, Omni Coupling System (Smith-Blair 441)	548.25	137.34



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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 53-0255 EA 12" Ductile Iron Body, Omni Coupling System (Smith-Blair 441)	640.38	155.47
33 14 13 53-0256 EA 14" Ductile Iron Body, Omni Coupling System (Smith-Blair 441)	893.13	171.03
33 14 13 53-0257 EA 16" Ductile Iron Body, Omni Coupling System (Smith-Blair 441)	1,110.11	186.57
33 14 15 Water Service Connections (33 14)		
See CSI section 22 11 19 00-0153 for backflow preventer assemblies.		
33 14 15 23 Water Service Hydrants (33 14 15)		
33 14 15 23-0001 Yard Hydrants (33 14 15 23)		
Note: With 3/4" hose thread outlet.		
33 14 15 23-0002 EA 2' Bury Depth Yard Hydrant, 3/4" Galvanized Column And 3/4" Threaded Hose Outlet	202.35	33.43
33 14 15 23-0003 EA 4' Bury Depth Yard Hydrant, 3/4" Galvanized Column And 3/4" Threaded Hose Outlet	212.33	33.43
33 14 15 23-0004 EA 6' Bury Depth Yard Hydrant, 3/4" Galvanized Column And 3/4" Threaded Hose Outlet	222.32	33.43
33 14 15 23-0005 EA 2' Bury Depth Yard Hydrant, 1" Galvanized Column And 3/4" Threaded Hose Outlet	258.33	42.35
33 14 15 23-0006 EA 4' Bury Depth Yard Hydrant, 1" Galvanized Column And 3/4" Threaded Hose Outlet	268.48	42.35
33 14 15 23-0007 EA 6' Bury Depth Yard Hydrant, 1" Galvanized Column And 3/4" Threaded Hose Outlet	278.62	42.35
33 14 15 23-0008 Sanitary Yard Hydrants (33 14 15 23)		
Note: With 3/4" hose thread outlet.		
33 14 15 23-0009 EA 2' Bury Depth Sanitary Yard Hydrant, 1" Galvanized Column And 3/4" Threaded Hose Outlet	701.85	69.64
33 14 15 23-0010 EA 4' Bury Depth Sanitary Yard Hydrant, 1" Galvanized Column And 3/4" Threaded Hose Outlet	733.04	69.64
33 14 15 23-0011 EA 6' Bury Depth Sanitary Yard Hydrant, 1" Galvanized Column And 3/4" Threaded Hose Outlet	764.24	69.64
33 14 15 23-0012 Flushing Hydrants (33 14 15 23)		
33 14 15 23-0013 EA 2" Inlet x 2-1/2" Outlet Steel Flushing Hydrant, 3' Bury Depth	498.74	42.87
33 14 19 Valves and Hydrants for Water Utility Service (33 14)		
Note: Flanged valves excludes bolt and gasket set. See CSI section 23 21 13 23-0576 for bolt and gasket sets.		
33 14 19 00-0001 Water Utility Distribution Valves (33 14 19)		
33 14 19 00-0002 Angle Valves (33 14 19 00-0001)		
Note: For connecting meters to water service.		
33 14 19 00-0003 Threaded, Class 150, Bronze Angle Valve (33 14 19 00-0002)		
Note: Nibco T-335Y		
33 14 19 00-0004 EA 1/2" Threaded, Class 150, Bronze Angle Valve	59.05	17.83
33 14 19 00-0005 EA 3/4" Threaded, Class 150, Bronze Angle Valve	79.62	23.96
33 14 19 00-0006 EA 1" Threaded, Class 150, Bronze Angle Valve	103.03	29.53
33 14 19 00-0007 EA 1-1/4" Threaded, Class 150, Bronze Angle Valve	131.87	37.10
33 14 19 00-0008 EA 1-1/2" Threaded, Class 150, Bronze Angle Valve	160.17	42.90
33 14 19 00-0009 EA 2" Threaded, Class 150, Bronze Angle Valve	221.96	50.15
33 14 19 00-0010 EA 2-1/2" Threaded, Class 150, Bronze Angle Valve	339.19	68.41
33 14 19 00-0011 EA 3" Threaded, Class 150, Bronze Angle Valve	483.09	78.98
33 14 19 00-0012 Butterfly Valves (33 14 19 00-0001)		
33 14 19 00-0013 Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valves (33 14 19 00-0012)		
33 14 19 00-0014 EA 3" Handwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,3,F1,CI,NBRN-NBR,150B,CI-S1*MS-3-HD8)	1,166.10	189.68
33 14 19 00-0015 EA 3" Chainwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,3,F1,CI,NBRN-NBR,150B,CI-S1*MS-3-CW8)	1,323.10	189.68
33 14 19 00-0016 EA 4" Handwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,4,F1,CI,NBRN-NBR,150B,CI-S1*MS-3-HD8)	1,311.29	293.03
33 14 19 00-0017 EA 4" Chainwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,4,F1,CI,NBRN-NBR,150B,CI-S1*MS-3-CW8)	1,468.29	293.03
33 14 19 00-0018 EA 6" Handwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,6,F1,CI,NBRN-NBR,150B,CI-S1*MS-3-HD8)	1,581.91	375.93
33 14 19 00-0019 EA 6" Chainwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,6,F1,CI,NBRN-NBR,150B,CI-S1*MS-3-CW8)	1,738.91	375.93
33 14 19 00-0020 EA 8" Handwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,8,F1,CI,NBRN-NBR,150B,CI-S1*MS-3-HD8)	1,786.01	429.61
33 14 19 00-0021 EA 8" Chainwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,8,F1,CI,NBRN-NBR,150B,CI-S1*MS-3-CW8)	1,944.01	429.61
33 14 19 00-0022 EA 10" Handwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,10,F1,CI,NBRN-NBR,150B,CI-S1*MS-3-HD16)	2,332.87	526.30

33 Utilities**33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 19 00-0023 EA 10" Chainwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,10,F1,Ci,NBRN-NBR,150B,Ci-S1*MS-3-CW20).....	2,732.87	526.30
33 14 19 00-0024 EA 12" Handwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,12,F1,Ci,NBRN-NBR,150B,Ci-S1*MS-3-HD24).....	2,751.42	637.93
33 14 19 00-0025 EA 12" Chainwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,12,F1,Ci,NBRN-NBR,150B,Ci-S1*MS-3-CW20).....	3,078.42	637.93
33 14 19 00-0026 EA 14" Handwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,14,F1,Ci,NBRN-NBR,150B,Ci-S1*MS-7-HD12).....	3,537.12	792.10
33 14 19 00-0027 EA 14" Chainwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,14,F1,Ci,NBRN-NBR,150B,Ci-S1*MS-7-CW20).....	4,073.12	792.10
33 14 19 00-0028 EA 16" Handwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,16,F1,Ci,NBRN-NBR,150B,Ci-S1*MS-7-HD16).....	4,192.13	871.30
33 14 19 00-0029 EA 16" Chainwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,16,F1,Ci,NBRN-NBR,150B,Ci-S1*MS-7-CW20).....	4,534.13	871.30
33 14 19 00-0030 EA 18" Handwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,18,F1,Ci,NBRN-NBR,150B,Ci-S1*MS-7-HD16).....	5,191.12	968.10
33 14 19 00-0031 EA 18" Chainwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,18,F1,Ci,NBRN-NBR,150B,Ci-S1*MS-7-CW20).....	5,533.12	968.10
33 14 19 00-0032 EA 20" Handwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,20,F1,Ci,NBRN-NBR,150B,Ci-S1*MS-7-HD30).....	6,111.41	1,089.13
33 14 19 00-0033 EA 20" Chainwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,20,F1,Ci,NBRN-NBR,150B,Ci-S1*MS-7-CW20).....	6,327.41	1,089.13
33 14 19 00-0034 EA 24" Handwheel Operated, Flanged, ANSI Class 125, Ductile Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Ductile Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,24,F1,DI,NBRN-NBR,150B,DI-S1,S304G0*MS-7-HD30).....	8,943.59	1,340.46
33 14 19 00-0035 EA 24" Chainwheel Operated, Flanged, ANSI Class 125, Ductile Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Ductile Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,24,F1,DI,NBRN-NBR,150B,DI-S1,S304G0*MS-7-CW20).....	9,159.59	1,340.46
33 14 19 00-0036 EA 30" Handwheel Operated, Flanged, ANSI Class 125, Ductile Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Ductile Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,30,F1,DI,NBRN-NBR,150B,DI-S1,S304G0*MG-WR1-HD16).....	20,290.32	2,255.25
33 14 19 00-0037 EA 36" Handwheel Operated, Flanged, ANSI Class 125, Ductile Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Ductile Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,36,F1,DI,NBRN-NBR,150B,DI-S1,S304G0*MG-WR1-HD16).....	23,639.90	3,075.34
33 14 19 00-0038 EA 42" Handwheel Operated, Flanged, ANSI Class 125, Ductile Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Ductile Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,42,F1,DI,NBRN-NBR,150B,DI-S1,S304G0*MG-WR1-HD32).....	30,654.12	4,510.50
33 14 19 00-0039 EA 48" Handwheel Operated, Flanged, ANSI Class 125, Ductile Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Ductile Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,48,F1,DI,NBRN-NBR,150B,DI-S1-S304G0*MG-WR3-HD24).....	37,607.80	5,638.13
33 14 19 00-0040 Check Valves (33 14 19 00-0001)		
33 14 19 00-0041 Flanged, Swing Type Gravity Operated Check Valves (33 14 19 00-0040)		
Note: AWWA C508. Bronze disc facing. Mueller A-2600-6.		
33 14 19 00-0042 EA 2-1/2" Flanged, Swing Type Gravity Operated Check Valve.....	697.39	138.46
33 14 19 00-0043 EA 3" Flanged, Swing Type Gravity Operated Check Valve.....	754.83	164.10
33 14 19 00-0044 EA 4" Flanged, Swing Type Gravity Operated Check Valve.....	960.13	220.51
33 14 19 00-0045 EA 4" x 6" Flanged, Swing Type Gravity Operated Check Valve.....	1,292.89	251.27
33 14 19 00-0046 EA 4" x 8" Flanged, Swing Type Gravity Operated Check Valve.....	1,412.11	287.17
33 14 19 00-0047 EA 6" Flanged, Swing Type Gravity Operated Check Valve.....	1,298.63	256.41
33 14 19 00-0048 EA 6" x 8" Flanged, Swing Type Gravity Operated Check Valve.....	1,628.31	282.05
33 14 19 00-0049 EA 6" x 10" Flanged, Swing Type Gravity Operated Check Valve.....	1,708.21	307.69
33 14 19 00-0050 EA 8" Flanged, Swing Type Gravity Operated Check Valve.....	1,765.57	307.69
33 14 19 00-0051 EA 10" Flanged, Swing Type Gravity Operated Check Valve.....	2,781.72	358.97
33 14 19 00-0052 EA 12" Flanged, Swing Type Gravity Operated Check Valve.....	4,092.07	430.76
33 14 19 00-0053 EA 14" Flanged, Swing Type Gravity Operated Check Valve.....	5,539.60	485.16
33 14 19 00-0054 EA 16" Flanged, Swing Type Gravity Operated Check Valve.....	7,281.99	544.56
33 14 19 00-0055 EA 18" Flanged, Swing Type Gravity Operated Check Valve.....	10,382.23	603.98
33 14 19 00-0056 EA 20" Flanged, Swing Type Gravity Operated Check Valve.....	12,063.12	680.70
33 14 19 00-0057 Combination Air Release Valves (33 14 19 00-0001)		
33 14 19 00-0058 EA 1" Combination Air Release Valve.....	432.76	21.53
33 14 19 00-0059 EA 2" Combination Air Release Valve.....	699.90	36.92
33 14 19 00-0060 Corporation Stop And Curb Valve (33 14 19 00-0001)		
Note: AWWA C800		
33 14 19 00-0061 Ball Corporation Valves (33 14 19 00-0060)		
Note: Mueller B-25000.		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 19 00-0062 EA 3/4" Ball Corporation Valve.....	78.05	21.53
33 14 19 00-0063 EA 1" Ball Corporation Valve.....	97.94	26.67
33 14 19 00-0064 EA 1-1/2" Ball Corporation Valve.....	173.28	38.98
33 14 19 00-0065 EA 2" Ball Corporation Valve.....	258.04	46.15
33 14 19 00-0066 Gate Valve, AWWA C500 And C509 <small>(33 14 19 00-0001)</small>		
33 14 19 00-0067 Gate Valve, Flanged <small>(33 14 19 00-0066)</small>		
<small>Note: Mueller A-2380-6.</small>		
33 14 19 00-0068 EA 2" Gate Valve, Flanged.....	457.42	109.23
33 14 19 00-0069 EA 2-1/2" Gate Valve, Flanged.....	559.18	136.92
33 14 19 00-0070 EA 3" Gate Valve, Flanged.....	669.90	164.10
33 14 19 00-0071 EA 4" Gate Valve, Flanged.....	815.30	218.46
33 14 19 00-0072 EA 6" Gate Valve, Flanged.....	1,018.65	256.41
33 14 19 00-0073 EA 8" Gate Valve, Flanged.....	1,405.83	307.69
33 14 19 00-0074 EA 10" Gate Valve, Flanged.....	1,974.05	358.97
33 14 19 00-0075 EA 12" Gate Valve, Flanged.....	2,378.11	430.76
33 14 19 00-0076 EA 14" Gate Valve, Flanged.....	4,592.31	485.16
33 14 19 00-0077 EA 16" Gate Valve, Flanged.....	5,929.20	544.56
33 14 19 00-0078 EA 18" Gate Valve, Flanged.....	9,132.27	603.98
33 14 19 00-0079 EA 20" Gate Valve, Flanged.....	10,876.31	680.70
33 14 19 00-0080 Resilient Wedge Gate Valve, Flanged <small>(33 14 19 00-0066)</small>		
<small>Note: Mueller A-2360-6.</small>		
33 14 19 00-0081 EA 2" Resilient Wedge Gate Valve, Flanged.....	443.91	109.23
33 14 19 00-0082 EA 2-1/2" Resilient Wedge Gate Valve, Flanged.....	543.02	136.92
33 14 19 00-0083 EA 3" Resilient Wedge Gate Valve, Flanged.....	650.73	165.64
33 14 19 00-0084 EA 4" Resilient Wedge Gate Valve, Flanged.....	793.88	218.46
33 14 19 00-0085 EA 6" Resilient Wedge Gate Valve, Flanged.....	990.01	256.41
33 14 19 00-0086 EA 8" Resilient Wedge Gate Valve, Flanged.....	1,361.09	307.69
33 14 19 00-0087 EA 10" Resilient Wedge Gate Valve, Flanged.....	1,902.96	358.97
33 14 19 00-0088 EA 12" Resilient Wedge Gate Valve, Flanged.....	2,292.27	430.76
33 14 19 00-0089 Gate Valve, Mechanical Joint <small>(33 14 19 00-0066)</small>		
<small>Note: Mueller A-2380-20.</small>		
33 14 19 00-0090 EA 2" Gate Valve, Mechanical Joint.....	491.09	109.23
33 14 19 00-0091 EA 2-1/2" Gate Valve, Mechanical Joint.....	553.68	136.92
33 14 19 00-0092 EA 3" Gate Valve, Mechanical Joint.....	688.24	165.64
33 14 19 00-0093 EA 4" Gate Valve, Mechanical Joint.....	845.21	218.46
33 14 19 00-0094 EA 6" Gate Valve, Mechanical Joint.....	1,041.34	256.41
33 14 19 00-0095 EA 8" Gate Valve, Mechanical Joint.....	1,437.62	307.69
33 14 19 00-0096 EA 10" Gate Valve, Mechanical Joint.....	1,995.75	358.97
33 14 19 00-0097 EA 12" Gate Valve, Mechanical Joint.....	2,476.63	430.76
33 14 19 00-0098 EA 14" Gate Valve, Mechanical Joint.....	4,861.01	485.16
33 14 19 00-0099 EA 16" Gate Valve, Mechanical Joint.....	6,204.46	544.56
33 14 19 00-0100 EA 18" Gate Valve, Mechanical Joint.....	9,623.86	603.98
33 14 19 00-0101 EA 20" Gate Valve, Mechanical Joint.....	11,408.30	680.70
33 14 19 00-0102 Resilient Wedge Gate Valve, Mechanical Joint <small>(33 14 19 00-0066)</small>		
<small>Note: Mueller A-2360-20.</small>		
33 14 19 00-0103 EA 2" Resilient Wedge Gate Valve, Mechanical Joint.....	475.66	109.23
33 14 19 00-0104 EA 3" Resilient Wedge Gate Valve, Mechanical Joint.....	668.03	165.64
33 14 19 00-0105 EA 4" Resilient Wedge Gate Valve, Mechanical Joint.....	822.10	218.46
33 14 19 00-0106 EA 6" Resilient Wedge Gate Valve, Mechanical Joint.....	1,011.43	256.41
33 14 19 00-0107 EA 8" Resilient Wedge Gate Valve, Mechanical Joint.....	1,391.08	307.69
33 14 19 00-0108 EA 10" Resilient Wedge Gate Valve, Mechanical Joint.....	1,923.42	358.97
33 14 19 00-0109 EA 12" Resilient Wedge Gate Valve, Mechanical Joint.....	2,385.19	430.76
33 14 19 00-0110 Resilient Wedge Gate Valve, Mechanical Joint X Flange Joint <small>(33 14 19 00-0066)</small>		
<small>Note: Mueller A-2361.</small>		
33 14 19 00-0111 EA 14" Resilient Wedge Gate Valve, Mechanical Joint X Flanged Joint.....	4,455.43	485.16
33 14 19 00-0112 EA 16" Resilient Wedge Gate Valve, Mechanical Joint X Flanged Joint.....	4,870.26	544.56
33 14 19 00-0113 EA 18" Resilient Wedge Gate Valve, Mechanical Joint X Flanged Joint.....	7,397.95	603.98
33 14 19 00-0114 EA 20" Resilient Wedge Gate Valve, Mechanical Joint X Flanged Joint.....	8,795.08	680.70
33 14 19 00-0115 EA 24" Resilient Wedge Gate Valve, Mechanical Joint X Flanged Joint.....	12,299.39	792.10
33 14 19 00-0116 Gate Valve, Threaded, WW-V-51 Class A, Type 1 <small>(33 14 19 00-0066)</small>		
<small>Note: NIBCO T-113.</small>		
33 14 19 00-0117 EA 1/4" Gate Valve, Bronze, Threaded.....	41.77	17.94
33 14 19 00-0118 EA 3/8" Gate Valve, Bronze, Threaded.....	43.48	17.94
33 14 19 00-0119 EA 1/2" Gate Valve, Bronze, Threaded.....	44.39	17.94
33 14 19 00-0120 EA 3/4" Gate Valve, Bronze, Threaded.....	58.50	24.24
33 14 19 00-0121 EA 1" Gate Valve, Bronze, Threaded.....	71.45	29.30
33 14 19 00-0122 EA 1-1/4" Gate Valve, Bronze, Threaded.....	93.73	37.10
33 14 19 00-0123 EA 1-1/2" Gate Valve, Bronze, Threaded.....	108.46	42.90

33 Utilities**33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 19 00-0124 EA 2" Gate Valve, Bronze, Threaded.....	129.91	50.15
33 14 19 00-0125 EA 2-1/2" Gate Valve, Bronze, Threaded.....	213.77	68.41
33 14 19 00-0126 EA 3" Gate Valve, Bronze, Threaded.....	252.41	78.46
33 14 19 00-0127 Globe Valve, AWWA (33 14 19 00-0001)		
33 14 19 00-0128 Globe Valve, Threaded, WW-V-51 Class B, Type 1 (33 14 19 00-0127) Note: NIBCO T-235.		
33 14 19 00-0129 EA 1/8" Globe Valve, Threaded.....	52.82	17.94
33 14 19 00-0130 EA 1/4" Globe Valve, Threaded.....	49.39	17.94
33 14 19 00-0131 EA 3/8" Globe Valve, Threaded.....	51.10	17.94
33 14 19 00-0132 EA 1/2" Globe Valve, Threaded.....	52.82	17.94
33 14 19 00-0133 EA 3/4" Globe Valve, Threaded.....	71.57	24.24
33 14 19 00-0134 EA 1" Globe Valve, Threaded.....	94.56	29.30
33 14 19 00-0135 EA 1-1/4" Globe Valve, Threaded.....	131.06	37.10
33 14 19 00-0136 EA 1-1/2" Globe Valve, Threaded.....	154.64	42.90
33 14 19 00-0137 EA 2" Globe Valve, Threaded.....	203.71	50.15
33 14 19 00-0138 EA 2-1/2" Globe Valve, Threaded.....	344.29	68.41
33 14 19 00-0139 EA 3" Globe Valve, Threaded.....	452.97	78.87
33 14 19 00-0140 Tapping Valve, AWWA C500 And C509 (33 14 19 00-0001)		
33 14 19 00-0141 Tapping Valve, AWWA C500 And C509 (33 14 19 00-0140) Note: Flanged inlet X mechanical joint, Mueller H-667.		
33 14 19 00-0142 EA 2" Resilient Wedge Tapping Gate Valve, Mechanical Joint X Flanged Joint.....	641.64	136.92
33 14 19 00-0143 EA 3" Resilient Wedge Tapping Gate Valve, Mechanical Joint X Flanged Joint.....	806.03	165.64
33 14 19 00-0144 EA 4" Resilient Wedge Tapping Gate Valve, Mechanical Joint X Flanged Joint.....	946.80	218.46
33 14 19 00-0145 EA 6" Resilient Wedge Tapping Gate Valve, Mechanical Joint X Flanged Joint.....	1,219.59	256.41
33 14 19 00-0146 EA 8" Resilient Wedge Tapping Gate Valve, Mechanical Joint X Flanged Joint.....	1,663.54	307.69
33 14 19 00-0147 EA 10" Resilient Wedge Tapping Gate Valve, Mechanical Joint X Flanged Joint.....	2,287.23	358.97
33 14 19 00-0148 EA 12" Resilient Wedge Tapping Gate Valve, Mechanical Joint X Flanged Joint.....	3,259.96	430.76
33 14 19 00-0149 EA 14" Resilient Wedge Tapping Gate Valve, Mechanical Joint X Flanged Joint.....	5,499.39	485.16
33 14 19 00-0150 EA 16" Resilient Wedge Tapping Gate Valve, Mechanical Joint X Flanged Joint.....	6,889.71	544.56
33 14 19 00-0151 EA 18" Resilient Wedge Tapping Gate Valve, Mechanical Joint X Flanged Joint.....	10,835.42	604.97
33 14 19 00-0152 Accessories For Valves (33 14 19)		
33 14 19 00-0153 EA 1' Valve Extension Stem.....	82.97	
For Each Additional LF, Add	5.49	
33 14 19 00-0154 EA Up to 80" Long Indicator Post Telescoping Barrel Assembly..... Note: Excludes valve.	921.43	102.56
33 14 19 00-0155 EA >80" To 114" Long Indicator Post Telescoping Barrel Assembly..... Note: Excludes valve.	1,041.97	112.81
33 14 19 00-0156 EA Adjust Water Valve Box To Grade.....	102.56	
33 14 19 00-0157 Roadway Or Curb Valve Boxes (33 14 19) See CSI section 22 05 19 00-0000 for metering.		
33 14 19 00-0158 Round Head, Cast Iron Service, Roadway Or Valve Boxes (33 14 19 00-0157)		
33 14 19 00-0159 EA 36" To 48" High, Two Piece, Screw Type, 2-1/2" Shaft, Round Head, Cast Iron Service Box..... Note: Includes cover, top section and bottom section.	141.28	13.54
33 14 19 00-0160 EA 36" To 54" High, Two Piece, Screw Type, 2-1/2" Shaft, Round Head, Cast Iron Service Box..... Note: Includes cover, top section and bottom section.	161.29	13.54
33 14 19 00-0161 EA 42" To 60" High, Two Piece, Screw Type, 2-1/2" Shaft, Round Head, Cast Iron Service Box..... Note: Includes cover, top section and bottom section.	162.21	13.54
33 14 19 00-0162 EA 9" Extension For Screw Type, 2-1/2" Shaft, Round Head, Cast Iron Service Box.....	45.98	6.77
33 14 19 00-0163 EA 16" Extension For Screw Type, 2-1/2" Shaft, Round Head, Cast Iron Service Box.....	51.27	6.77
33 14 19 00-0164 EA 24" Extension For Screw Type, 2-1/2" Shaft, Round Head, Cast Iron Service Box.....	59.24	6.77
33 14 19 00-0165 EA 36" To 48" High, Screw Type, 4-1/4" Shaft, Round Head, Cast Iron Roadway Box..... Note: Includes cover, top section and bottom section.	208.50	16.92
33 14 19 00-0166 EA 45" To 54" High, Three Piece, Screw Type, 5-1/4" Shaft, Round Head, Cast Iron Valve Box..... Note: Includes cover, top section, bottom section and #6 round base.	353.81	23.69
33 14 19 00-0167 EA 45" To 66" High, Three Piece, Screw Type, 5-1/4" Shaft, Round Head, Cast Iron Valve Box..... Note: Includes cover, top section, bottom section and #6 round base.	391.13	23.69
33 14 19 00-0168 EA 24" To 36" High, Two Piece, Screw Type, 5-1/4" Shaft, Round Head, Cast Iron Valve Box..... Note: Includes cover, top section and bottom section.	215.90	16.92
33 14 19 00-0169 EA 36" To 48" High, Two Piece, Screw Type, 5-1/4" Shaft, Round Head, Cast Iron Valve Box..... Note: Includes cover, top section and bottom section.	224.81	16.92
33 14 19 00-0170 EA 24" To 36" High, Two Piece, Slip Type, 5-1/4" Shaft, Round Head, Cast Iron Valve Box..... Note: Includes cover, top section and bottom section.	218.00	16.92
33 14 19 00-0171 EA 12" Extension For Screw Type, 5-1/4" Shaft, Round Head, Cast Iron Valve Box.....	79.84	6.77
33 14 19 00-0172 EA 18" To 24" High Round Head Cast Iron Roadway Or Curb Valve Boxes.....	143.46	27.86
33 14 19 00-0173 EA 22" To 28" High Round Head Cast Iron Roadway Or Curb Valve Boxes.....	147.51	28.97
33 14 19 00-0174 EA 30" To 36" High Round Head Cast Iron Roadway Or Curb Valve Boxes.....	163.88	30.09
33 14 19 00-0175 EA 36" To 48" High Round Head Cast Iron Roadway Or Curb Valve Boxes.....	215.18	31.76
33 14 19 00-0176 EA 48" To 60" High Round Head Cast Iron Roadway Or Curb Valve Boxes.....	256.41	33.43
33 14 19 00-0177 EA 18" Cast Iron Service Box Extension Section.....	58.12	
33 14 19 00-0178 Plastic Roadway Grade Water Meter Box And Cover (33 14 19 00-0157)		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 19 00-0179 EA 12" Wide x 16" Long x 16" Deep Plastic Meter Box And Cover	190.93	39.00
33 14 19 00-0180 EA 9-3/4" Wide x 19-1/4" Long x 16" Deep Oval Plastic Meter Box And Cover	142.20	27.86
33 14 19 00-0181 EA Cast Iron Lid For Plastic Meter Box	39.83	
33 14 19 00-0182 Traffic Valve Box And Lid <small>(33 14 19 00-0157)</small>		
33 14 19 00-0183 EA 10-3/8" ID x 12" Traffic Valve Box And 11" OD Cast Iron Lid (Christy G-5)	148.92	
33 14 19 00-0184 EA 14-1/2" ID x 12" Traffic Valve Box And 13-1/4" OD Cast Iron Lid (Christy G-12)	410.68	
33 14 19 00-0185 Utility Box <small>(33 14 19)</small>		
Note: Christy Concrete Products.		
33 14 19 00-0186 B3 Utility Box, 9-3/8" x 15-1/2" <small>(33 14 19 00-0185)</small>		
33 14 19 00-0187 EA 9-3/8" x 15-1/2" Precast Concrete Utility Box	74.15	50.76
33 14 19 00-0188 EA Cast Iron Lid For 9-3/8" x 15-1/2" Utility Box	50.04	5.64
33 14 19 00-0189 EA Reinforced Concrete Lid For 9-3/8" x 15-1/2" Utility Box	24.92	5.64
33 14 19 00-0190 EA Steel Checkered Plate Cover For 9-3/8" x 15-1/2" Utility Box	101.13	5.64
33 14 19 00-0191 EA 12-1/8" x 18-5/8" Reinforced Concrete Slab For 9-3/8" x 15-1/2" Utility Box	39.40	11.28
33 14 19 00-0192 EA 3" High Reinforced Concrete Base For 9-3/8" x 15-1/2" Utility Box	50.50	11.28
33 14 19 00-0193 B9 Utility Box, 10-1/4" x 17-1/4" <small>(33 14 19 00-0185)</small>		
33 14 19 00-0194 EA 10-1/4" x 17-1/4" Precast Concrete Utility Box	93.73	67.68
33 14 19 00-0195 EA Cast Iron Lid For 10-1/4" x 17-1/4" Utility Box	58.82	6.77
33 14 19 00-0196 EA Reinforced Concrete Lid For 10-1/4" x 17-1/4" Utility Box	28.28	6.77
33 14 19 00-0197 EA Steel Checkered Plate Cover For 10-1/4" x 17-1/4" Utility Box	105.75	5.64
33 14 19 00-0198 EA 13" x 19-3/4" Reinforced Concrete Slab For 10-1/4" x 17-1/4" Utility Box	42.45	11.28
33 14 19 00-0199 EA 5-3/4" High Reinforced Concrete Base For 10-1/4" x 17-1/4" Utility Box	59.10	16.92
33 14 19 00-0200 EA 12" High Reinforced Concrete Extension For 10-1/4" x 17-1/4" Utility Box	83.64	31.02
33 14 19 00-0201 B12 Utility Box, 12" x 20" <small>(33 14 19 00-0185)</small>		
33 14 19 00-0202 EA 12" x 20" Precast Concrete Utility Box	102.37	73.32
33 14 19 00-0203 EA Cast Iron Lid For 12" x 20" Utility Box	101.29	8.46
33 14 19 00-0204 EA Reinforced Concrete Lid For 12" x 20" Utility Box	40.67	11.28
33 14 19 00-0205 EA Steel Checkered Plate Cover For 12" x 20" Utility Box	146.82	11.28
33 14 19 00-0206 EA 12" High Reinforced Concrete Extension For 12" x 20" Utility Box	107.86	39.48
33 14 19 00-0207 B16 Utility Box, 12" x 22-1/4" <small>(33 14 19 00-0185)</small>		
33 14 19 00-0208 EA 12" x 22-1/4" Precast Concrete Utility Box	118.67	85.73
33 14 19 00-0209 EA Cast Iron Lid For 12" x 22-1/4" Utility Box	116.59	11.28
33 14 19 00-0210 EA Reinforced Concrete Lid For 12" x 22-1/4" Utility Box	46.96	11.28
33 14 19 00-0211 EA Steel Checkered Plate Cover For 12" x 22-1/4" Utility Box	147.57	11.28
33 14 19 00-0212 EA 16" x 27" Reinforced Concrete Slab For 12" x 22-1/4" Utility Box	70.09	19.17
33 14 19 00-0213 EA 12" High Reinforced Concrete Extension For 12" x 22-1/4" Utility Box	108.91	39.48
33 14 19 00-0214 B30 Utility Box, 13-1/4" x 24" <small>(33 14 19 00-0185)</small>		
33 14 19 00-0215 EA 13-1/4" x 24" Precast Concrete Utility Box	141.86	101.52
33 14 19 00-0216 EA Reinforced Concrete Lid For 13-1/4" x 24" Utility Box	66.80	18.05
33 14 19 00-0217 EA Steel Checkered Plate Cover For 13-1/4" x 24" Utility Box	183.31	14.66
33 14 19 00-0218 EA 16" x 27" Reinforced Concrete Slab For 13-1/4" x 24" Utility Box	70.09	19.17
33 14 19 00-0219 EA 5-1/2" High Reinforced Concrete Base For 13-1/4" x 24" Utility Box	110.10	31.58
33 14 19 00-0220 EA 6" High Reinforced Concrete Extension For 13-1/4" x 24" Utility Box	81.98	21.43
33 14 19 00-0221 EA 12" High Reinforced Concrete Extension For 13-1/4" x 24" Utility Box	140.63	50.76
33 14 19 00-0222 B36 Utility Box, 17-1/4" x 30" <small>(33 14 19 00-0185)</small>		
33 14 19 00-0223 EA 17-1/4" x 30" Precast Concrete Utility Box	182.86	128.59
33 14 19 00-0224 EA Reinforced Concrete Lid For 17-1/4" x 30" Utility Box	110.83	31.02
33 14 19 00-0225 EA Steel Checkered Plate Cover For 17-1/4" x 30" Utility Box	233.59	21.43
33 14 19 00-0226 EA 20" x 34" Reinforced Concrete Slab For 17-1/4" x 30" Utility Box	115.55	40.61
33 14 19 00-0227 EA 6" High Reinforced Concrete Base For 17-1/4" x 30" Utility Box	166.30	45.12
33 14 19 00-0228 EA 12" High Reinforced Concrete Extension For 17-1/4" x 30" Utility Box	184.85	65.43
33 14 19 00-0229 B40 Utility Box, 24-1/2" x 36" <small>(33 14 19 00-0185)</small>		
33 14 19 00-0230 EA 24-1/2" x 36" Precast Concrete Utility Box	336.50	198.53
33 14 19 00-0231 EA Reinforced Concrete Lid For 24-1/2" x 36" Utility Box	290.37	74.45
33 14 19 00-0232 EA Steel Checkered Plate Cover For 24-1/2" x 36" Utility Box	334.60	32.71
33 14 19 00-0233 EA 30" x 40" Reinforced Concrete Slab For 24-1/2" x 36" Utility Box	248.64	69.94
33 14 19 00-0234 EA 10" High Reinforced Concrete Extension For 24-1/2" x 36" Utility Box	262.71	73.32
33 14 19 00-0235 B48 Utility Box, 30-1/4" x 48-1/4" <small>(33 14 19 00-0185)</small>		
33 14 19 00-0236 EA 30-1/4" x 48-1/4" Precast Concrete Utility Box	454.53	225.60
33 14 19 00-0237 EA 1 Piece Reinforced Concrete Lid For 30-1/4" x 48-1/4" Utility Box	425.44	122.96
33 14 19 00-0238 EA 2 Piece Reinforced Concrete Lid For 30-1/4" x 48-1/4" Utility Box	496.67	122.96

33 Utilities**33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 19 00-0239 EA 2 Piece Steel Checkered Plate Cover For 30-1/4" x 48-1/4" Utility Box.....	535.42	56.40
33 14 19 00-0240 EA 36" x 53" Reinforced Concrete Slab For 30-1/4" x 48-1/4" Utility Box.....	424.11	152.28
33 14 19 00-0241 EA 10" High Reinforced Concrete Extension For 30-1/4" x 48-1/4" Utility Box.....	339.62	102.64
33 14 19 00-0242 Fire Hydrants ^(33 14 19)		
Note: Breakaway type.		
33 14 19 00-0243 Three Way, Standard (Traditional) Model Fire Hydrant ^(33 14 19 00-0242)		
Note: Mechanical joint shoe. Includes shoe, lower barrel and upper barrel (hydrant).		
33 14 19 00-0244 EA 1-1/2' Burial Section, 4-1/2" Valve, Three Way, Standard Type (Traditional) Fire Hydrant.....	1,797.29	263.15
33 14 19 00-0245 EA 2' Burial Section, 4-1/2" Valve, Three Way, Standard Type (Traditional) Fire Hydrant.....	1,828.39	263.15
33 14 19 00-0246 EA 2-1/2' Burial Section, 4-1/2" Valve, Three Way, Standard Type (Traditional) Fire Hydrant.....	1,859.57	263.15
33 14 19 00-0247 EA 3' Burial Section, 4-1/2" Valve, Three Way, Standard Type (Traditional) Fire Hydrant.....	1,909.40	281.95
33 14 19 00-0248 EA 3-1/2' Burial Section, 4-1/2" Valve, Three Way, Standard Type (Traditional) Fire Hydrant.....	1,940.53	281.95
33 14 19 00-0249 EA 4' Burial Section, 4-1/2" Valve, Three Way, Standard Type (Traditional) Fire Hydrant.....	1,995.18	305.44
33 14 19 00-0250 EA 4-1/2' Burial Section, 4-1/2" Valve, Three Way, Standard Type (Traditional) Fire Hydrant.....	2,026.26	305.44
33 14 19 00-0251 EA 5' Burial Section, 4-1/2" Valve, Three Way, Standard Type (Traditional) Fire Hydrant.....	2,080.93	328.94
33 14 19 00-0252 EA 5-1/2' Burial Section, 4-1/2" Valve, Three Way, Standard Type (Traditional) Fire Hydrant.....	2,112.06	328.94
33 14 19 00-0253 EA 6' Burial Section, 4-1/2" Valve, Three Way, Standard Type (Traditional) Fire Hydrant.....	2,166.63	352.43
33 14 19 00-0254 EA 6-1/2' Burial Section, 4-1/2" Valve, Three Way, Standard Type (Traditional) Fire Hydrant.....	2,221.25	375.93
33 14 19 00-0255 EA 7' Burial Section, 4-1/2" Valve, Three Way, Standard Type (Traditional) Fire Hydrant.....	2,299.31	422.92
33 14 19 00-0256 EA 1-1/2' Burial Section, 5-1/4" Valve, Three Way, Standard Type (Traditional) Fire Hydrant.....	1,825.67	263.15
33 14 19 00-0257 EA 2' Burial Section, 5-1/4" Valve, Three Way, Standard Type (Traditional) Fire Hydrant.....	1,866.03	263.15
33 14 19 00-0258 EA 2-1/2' Burial Section, 5-1/4" Valve, Three Way, Standard Type (Traditional) Fire Hydrant.....	1,906.29	263.15
33 14 19 00-0259 EA 3' Burial Section, 5-1/4" Valve, Three Way, Standard Type (Traditional) Fire Hydrant.....	1,965.35	281.95
33 14 19 00-0260 EA 3-1/2' Burial Section, 5-1/4" Valve, Three Way, Standard Type (Traditional) Fire Hydrant.....	2,005.61	281.95
33 14 19 00-0261 EA 4' Burial Section, 5-1/4" Valve, Three Way, Standard Type (Traditional) Fire Hydrant.....	2,069.51	305.44
33 14 19 00-0262 EA 4-1/2' Burial Section, 5-1/4" Valve, Three Way, Standard Type (Traditional) Fire Hydrant.....	2,109.72	305.44
33 14 19 00-0263 EA 5' Burial Section, 5-1/4" Valve, Three Way, Standard Type (Traditional) Fire Hydrant.....	2,173.52	328.94
33 14 19 00-0264 EA 5-1/2' Burial Section, 5-1/4" Valve, Three Way, Standard Type (Traditional) Fire Hydrant.....	2,213.77	328.94
33 14 19 00-0265 EA 6' Burial Section, 5-1/4" Valve, Three Way, Standard Type (Traditional) Fire Hydrant.....	2,277.45	352.43
33 14 19 00-0266 EA 6-1/2' Burial Section, 5-1/4" Valve, Three Way, Standard Type (Traditional) Fire Hydrant.....	2,341.31	375.93
33 14 19 00-0267 EA 7' Burial Section, 5-1/4" Valve, Three Way, Standard Type (Traditional) Fire Hydrant.....	2,428.49	422.92
33 14 19 00-0268 Two Way, Standard (Traditional) Model Fire Hydrant ^(33 14 19 00-0242)		
Note: Mechanical joint shoe. Includes shoe, lower barrel and upper barrel (hydrant).		
33 14 19 00-0269 EA 1-1/2' Burial Section, 4-1/2" Valve, Two Way, Standard Type (Traditional) Fire Hydrant.....	1,626.58	263.15
33 14 19 00-0270 EA 2' Burial Section, 4-1/2" Valve, Two Way, Standard Type (Traditional) Fire Hydrant.....	1,657.57	263.15
33 14 19 00-0271 EA 2-1/2' Burial Section, 4-1/2" Valve, Two Way, Standard Type (Traditional) Fire Hydrant.....	1,688.74	263.15
33 14 19 00-0272 EA 3' Burial Section, 4-1/2" Valve, Two Way, Standard Type (Traditional) Fire Hydrant.....	1,738.70	281.95
33 14 19 00-0273 EA 3-1/2' Burial Section, 4-1/2" Valve, Two Way, Standard Type (Traditional) Fire Hydrant.....	1,769.73	281.95
33 14 19 00-0274 EA 4' Burial Section, 4-1/2" Valve, Two Way, Standard Type (Traditional) Fire Hydrant.....	1,824.31	305.44
33 14 19 00-0275 EA 4-1/2' Burial Section, 4-1/2" Valve, Two Way, Standard Type (Traditional) Fire Hydrant.....	1,855.44	305.44
33 14 19 00-0276 EA 5' Burial Section, 4-1/2" Valve, Two Way, Standard Type (Traditional) Fire Hydrant.....	1,910.14	328.94
33 14 19 00-0277 EA 5-1/2' Burial Section, 4-1/2" Valve, Two Way, Standard Type (Traditional) Fire Hydrant.....	1,941.20	328.94
33 14 19 00-0278 EA 6' Burial Section, 4-1/2" Valve, Two Way, Standard Type (Traditional) Fire Hydrant.....	1,995.94	352.43
33 14 19 00-0279 EA 6-1/2' Burial Section, 4-1/2" Valve, Two Way, Standard Type (Traditional) Fire Hydrant.....	2,050.36	375.93
33 14 19 00-0280 EA 7' Burial Section, 4-1/2" Valve, Two Way, Standard Type (Traditional) Fire Hydrant.....	2,128.49	422.92
33 14 19 00-0281 EA 1-1/2' Burial Section, 5-1/4" Valve, Two Way, Standard Type (Traditional) Fire Hydrant.....	1,670.42	263.15
33 14 19 00-0282 EA 2' Burial Section, 5-1/4" Valve, Two Way, Standard Type (Traditional) Fire Hydrant.....	1,710.69	263.15
33 14 19 00-0283 EA 2-1/2' Burial Section, 5-1/4" Valve, Two Way, Standard Type (Traditional) Fire Hydrant.....	1,750.90	263.15
33 14 19 00-0284 EA 3' Burial Section, 5-1/4" Valve, Two Way, Standard Type (Traditional) Fire Hydrant.....	1,810.06	281.95
33 14 19 00-0285 EA 3-1/2' Burial Section, 5-1/4" Valve, Two Way, Standard Type (Traditional) Fire Hydrant.....	1,850.22	281.95
33 14 19 00-0286 EA 4' Burial Section, 5-1/4" Valve, Two Way, Standard Type (Traditional) Fire Hydrant.....	1,914.05	305.44
33 14 19 00-0287 EA 4-1/2' Burial Section, 5-1/4" Valve, Two Way, Standard Type (Traditional) Fire Hydrant.....	1,954.23	305.44
33 14 19 00-0288 EA 5' Burial Section, 5-1/4" Valve, Two Way, Standard Type (Traditional) Fire Hydrant.....	2,018.16	328.94
33 14 19 00-0289 EA 5-1/2' Burial Section, 5-1/4" Valve, Two Way, Standard Type (Traditional) Fire Hydrant.....	2,058.32	328.94
33 14 19 00-0290 EA 6' Burial Section, 5-1/4" Valve, Two Way, Standard Type (Traditional) Fire Hydrant.....	2,122.14	352.43
33 14 19 00-0291 EA 6-1/2' Burial Section, 5-1/4" Valve, Two Way, Standard Type (Traditional) Fire Hydrant.....	2,185.80	375.93
33 14 19 00-0292 EA 7' Burial Section, 5-1/4" Valve, Two Way, Standard Type (Traditional) Fire Hydrant.....	2,273.20	422.92
33 14 19 00-0293 Three Way, Modern Model Fire Hydrant ^(33 14 19 00-0242)		
Note: Mechanical joint shoe. Includes shoe, lower barrel and upper barrel (hydrant).		
33 14 19 00-0294 EA 1-1/2' Burial Section, Three Way, Modern Type Fire Hydrant.....	1,869.87	263.15
33 14 19 00-0295 EA 2' Burial Section, Three Way, Modern Type Fire Hydrant.....	1,910.08	263.15
33 14 19 00-0296 EA 2-1/2' Burial Section, Three Way, Modern Type Fire Hydrant.....	1,950.41	263.15
33 14 19 00-0297 EA 3' Burial Section, Three Way, Modern Type Fire Hydrant.....	2,009.49	281.95
33 14 19 00-0298 EA 3-1/2' Burial Section, Three Way, Modern Type Fire Hydrant.....	2,049.73	281.95
33 14 19 00-0299 EA 4' Burial Section, Three Way, Modern Type Fire Hydrant.....	2,113.48	305.44
33 14 19 00-0300 EA 4-1/2' Burial Section, Three Way, Modern Type Fire Hydrant.....	2,153.77	305.44
33 14 19 00-0301 EA 5' Burial Section, Three Way, Modern Type Fire Hydrant.....	2,217.54	328.94
33 14 19 00-0302 EA 5-1/2' Burial Section, Three Way, Modern Type Fire Hydrant.....	2,257.79	328.94
33 14 19 00-0303 EA 6' Burial Section, Three Way, Modern Type Fire Hydrant.....	2,321.54	328.94
33 14 19 00-0304 EA 6-1/2' Burial Section, Three Way, Modern Type Fire Hydrant.....	2,385.42	375.93
33 14 19 00-0305 EA 7' Burial Section, Three Way, Modern Type Fire Hydrant.....	2,472.18	375.93
33 14 19 00-0306 Two Way, Modern Model Fire Hydrant ^(33 14 19 00-0242)		
Note: Mechanical joint shoe. Includes shoe, lower barrel and upper barrel (hydrant).		



Utilities	33	CS
Water Utilities	33 10	
Water Utility Transmission and Distribution	33 14	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 19 00-0307 EA 1-1/2' Burial Section, Two Way, Modern Type Fire Hydrant	1,365.68	263.15
33 14 19 00-0308 EA 2' Burial Section, Two Way, Modern Type Fire Hydrant	1,396.28	263.15
33 14 19 00-0309 EA 2-1/2' Burial Section, Two Way, Modern Type Fire Hydrant	1,427.22	263.15
33 14 19 00-0310 EA 3' Burial Section, Two Way, Modern Type Fire Hydrant	1,476.26	281.95
33 14 19 00-0311 EA 3-1/2' Burial Section, Two Way, Modern Type Fire Hydrant	1,506.85	281.95
33 14 19 00-0312 EA 4' Burial Section, Two Way, Modern Type Fire Hydrant	1,560.93	305.44
33 14 19 00-0313 EA 4-1/2' Burial Section, Two Way, Modern Type Fire Hydrant	1,591.51	305.44
33 14 19 00-0314 EA 5' Burial Section, Two Way, Modern Type Fire Hydrant	1,645.64	328.94
33 14 19 00-0315 EA 5-1/2' Burial Section, Two Way, Modern Type Fire Hydrant	1,676.14	328.94
33 14 19 00-0316 EA 6' Burial Section, Two Way, Modern Type Fire Hydrant	1,730.23	352.43
33 14 19 00-0317 EA 6-1/2' Burial Section, Two Way, Modern Type Fire Hydrant	1,784.36	375.93
33 14 19 00-0318 EA 7' Burial Section, Two Way, Modern Type Fire Hydrant	1,861.56	422.92
33 14 19 00-0319 Fire Hydrant Extension Kits (33 14 19 00-0242)		
33 14 19 00-0320 EA 6" Long, 4-1/2" Diameter, Fire Hydrant Extension Kit	303.09	23.50
33 14 19 00-0321 EA 12" Long, 4-1/2" Diameter, Fire Hydrant Extension Kit	362.85	29.37
33 14 19 00-0322 EA 18" Long, 4-1/2" Diameter, Fire Hydrant Extension Kit	401.78	35.24
33 14 19 00-0323 EA 24" Long, 4-1/2" Diameter, Fire Hydrant Extension Kit	463.08	43.47
33 14 19 00-0324 EA 30" Long, 4-1/2" Diameter, Fire Hydrant Extension Kit	661.00	45.23
33 14 19 00-0325 EA 36" Long, 4-1/2" Diameter, Fire Hydrant Extension Kit	703.52	46.99
33 14 19 00-0326 EA 42" Long, 4-1/2" Diameter, Fire Hydrant Extension Kit	717.29	49.34
33 14 19 00-0327 EA 48" Long, 4-1/2" Diameter, Fire Hydrant Extension Kit	759.02	52.87
33 14 19 00-0328 EA 54" Long, 4-1/2" Diameter, Fire Hydrant Extension Kit	846.46	63.43
33 14 19 00-0329 EA 60" Long, 4-1/2" Diameter, Fire Hydrant Extension Kit	910.91	76.36
33 14 19 00-0330 EA 6" Long, 5-1/4" Diameter, Fire Hydrant Extension Kit	336.62	26.31
33 14 19 00-0331 EA 12" Long, 5-1/4" Diameter, Fire Hydrant Extension Kit	402.02	31.96
33 14 19 00-0332 EA 18" Long, 5-1/4" Diameter, Fire Hydrant Extension Kit	464.25	38.53
33 14 19 00-0333 EA 24" Long, 5-1/4" Diameter, Fire Hydrant Extension Kit	527.61	47.93
33 14 19 00-0334 EA 30" Long, 5-1/4" Diameter, Fire Hydrant Extension Kit	692.76	49.81
33 14 19 00-0335 EA 36" Long, 5-1/4" Diameter, Fire Hydrant Extension Kit	736.00	51.69
33 14 19 00-0336 EA 42" Long, 5-1/4" Diameter, Fire Hydrant Extension Kit	768.18	54.51
33 14 19 00-0337 EA 48" Long, 5-1/4" Diameter, Fire Hydrant Extension Kit	888.74	58.27
33 14 19 00-0338 EA 54" Long, 5-1/4" Diameter, Fire Hydrant Extension Kit	985.12	69.55
33 14 19 00-0339 EA 60" Long, 5-1/4" Diameter, Fire Hydrant Extension Kit	1,055.34	83.65
33 14 19 00-0340 Remove And Reinstall Standard Fire Hydrant (33 14 19 00-0242)		
Note: Includes all necessary fittings for resetting, storage and cleaning. Excludes excavation, backfill and thrust blocking around fire hydrant.		
33 14 19 00-0341 EA Up To 5' Burial Section, Removal And Reinstallation Of Fire Hydrant	751.85	
33 14 19 00-0342 EA >5' Burial Section, Removal And Reinstallation Of Fire Hydrant	1,096.45	
33 14 19 00-0343 EA Reset Fire Hydrant Upper Barrel	892.27	
Note: Includes Safety Repair Kit		
33 14 23 Enclosures for Water Utility Piping and Valves (33 14)		
See CSI section 22 11 19 00-0390 for Enclosures.		
33 16 Water Utility Storage Tanks (33 10)		
33 16 23 Ground-Level Steel Water Storage Tanks (33 16)		
See CSI section 23 13 23 16-0000 for aboveground steel storage tanks.		
33 19 Water Utility Metering Equipment (33 10)		
33 19 11 Water Utility Metering (33 19)		
33 19 11 00-0001 Bronze Disk Type Water Service Meters (33 19 11)		
33 19 11 00-0002 EA 5/8" Diameter, 0 - 20 GPM, Screwed, Water Supply Meter, Disk Type, Bronze	151.48	57.95
33 19 11 00-0003 EA 3/4" Diameter, 0 - 30 GPM, Screwed, Water Supply Meter, Disk Type, Bronze	187.94	69.09
33 19 11 00-0004 EA 1" Diameter, 0 - 50 GPM, Screwed, Water Supply Meter, Disk Type, Bronze	243.99	79.12
33 19 11 00-0005 EA 1-1/2" Diameter, 0 - 100 GPM, Screwed, Water Supply Meter, Disk Type, Bronze	452.81	118.12
33 19 11 00-0006 EA 2" Diameter, 0 - 160 GPM, Screwed, Water Supply Meter, Disk Type, Bronze	610.01	153.78
33 19 11 00-0007 Magnetic Driven, Positive Displacement Type Water Service Meters (33 19 11)		
33 19 11 00-0008 EA 5/8" Diameter Transmitting Water Supply Meter, Screwed, 150 PSI Max. (Neptune T10 E-Coder/R900i)	317.98	57.95
<i>For Owner Furnished Material, Deduct</i>		
	-259.33	
33 19 11 00-0009 EA 3/4" Diameter Transmitting Water Supply Meter, Screwed, 150 PSI Max. (Neptune T10 E-Coder/R900i)	363.82	69.09
<i>For Owner Furnished Material, Deduct</i>		
	-294.18	
33 19 11 00-0010 EA 1" Diameter Transmitting Water Supply Meter, Screwed, 150 PSI Max. (Neptune T10 E-Coder/R900i)	530.97	79.12
<i>For Owner Furnished Material, Deduct</i>		
	-451.38	
33 19 11 00-0011 EA 1-1/2" Diameter Transmitting Water Supply Meter, Screwed, 150 PSI Max. (Neptune T10 E-Coder/R900i)	891.39	118.12
<i>For Owner Furnished Material, Deduct</i>		
	-772.85	
33 19 11 00-0012 EA 2" Diameter Transmitting Water Supply Meter, Screwed, 150 PSI Max. (Neptune T10 E-Coder/R900i)	1,107.15	153.78
<i>For Owner Furnished Material, Deduct</i>		
	-952.38	
33 19 11 00-0013 EA Electronic Transmitter	248.86	27.86
Note: For use with transmitting meter valve.		
<i>For Owner Furnished Material, Deduct</i>		
	-221.00	

33 Utilities**33 10 Water Utilities****33 19 Water Utility Metering Equipment**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 19 11 00-0014 Flanged Compound Type Water Service Meter <small>(33 19 11)</small>		
33 19 11 00-0015 EA 2" Diameter, 0 - 160 GPM Water Service Meter Compound Type, Flanged And Bronze	1,729.78	179.39
33 19 11 00-0016 EA 3" Diameter, 0 - 320 GPM Water Service Meter Compound Type, Flanged And Bronze	2,143.55	238.26
33 19 11 00-0017 EA 4" Diameter, 0 - 500 GPM Water Service Meter Compound Type, Flanged And Bronze	3,431.13	330.25
33 19 11 00-0018 EA 6" Diameter, 0 - 1,000 GPM Water Service Meter Compound Type, Flanged And Bronze	4,859.94	488.19
33 19 11 00-0019 EA 8" Diameter, 0 - 1,600 GPM Water Service Meter Compound Type, Flanged And Bronze	9,526.79	641.02
33 19 11 00-0020 EA 10" Diameter, 0 - 2,500 GPM Water Service Meter Compound Type, Flanged And Bronze	15,880.78	776.91
33 19 11 00-0021 Flanged Turbine Water Service Meter <small>(33 19 11)</small>		
33 19 11 00-0022 Vertical Turbine Meters <small>(33 19 11 00-0021)</small>		
33 19 11 00-0023 EA 1-1/2" Diameter, 0 - 100 GPM Vertical Turbine Meter, Flanged.....	538.93	141.54
33 19 11 00-0024 EA 2" Diameter, 0 - 160 GPM Vertical Turbine Meter, Flanged.....	732.30	179.39
33 19 11 00-0025 EA 3" Diameter, 0 - 350 GPM Vertical Turbine Meter, Flanged.....	1,256.43	293.43
33 19 11 00-0026 EA 4" Diameter, 0 - 650 GPM Vertical Turbine Meter, Flanged.....	1,812.61	406.35
33 19 11 00-0027 EA 6" Diameter, 0 - 1,300 GPM Vertical Turbine Meter, Flanged.....	3,274.51	598.04
33 19 11 00-0028 Horizontal Turbine Meters <small>(33 19 11 00-0021)</small>		
33 19 11 00-0029 EA 1-1/2" Diameter, 0 - 120 GPM Horizontal Turbine Meter, Flanged	744.38	141.54
33 19 11 00-0030 EA 2" Diameter, 0 - 160 GPM Horizontal Turbine Meter, Flanged.....	1,025.60	179.39
33 19 11 00-0031 EA 3" Diameter, 0 - 600 GPM Horizontal Turbine Meter, Flanged.....	1,374.02	293.43
33 19 11 00-0032 EA 4" Diameter, 0 - 1,000 GPM Horizontal Turbine Meter, Flanged.....	1,968.04	406.35
33 19 11 00-0033 EA 6" Diameter, 0 - 2,000 GPM Horizontal Turbine Meter, Flanged.....	3,840.83	598.04
33 19 11 00-0034 EA 8" Diameter, 0 - 3,500 GPM Horizontal Turbine Meter, Flanged.....	5,135.44	784.91
33 19 11 00-0035 EA 10" Diameter, 0 - 5,500 GPM Horizontal Turbine Meter, Flanged.....	7,006.33	951.37
33 19 11 00-0036 EA 12" Diameter, 0 - 6,600 GPM Horizontal Turbine Meter, Flanged.....	8,276.15	1,158.96
33 30 Sanitary Sewerage Utilities <small>(33)</small>		
33 31 Sanitary Sewerage Piping <small>(33 30)</small>		
33 31 11 Public Sanitary Sewerage Gravity Piping <small>(33 31)</small>		
Note: Piping includes hydrostatic testing, disinfecting and warning tape. Excludes excavation and backfill. See CSI section 31 23 16 00-0000 for excavation, 31 23 16 36-0016 for backfill.		
33 31 11 00-0001 Plastic Sewer And Drain Piping <small>(33 31 11)</small>		
33 31 11 00-0002 Schedule 40 Polyvinyl Chloride (PVC) Sewer And Drain Pipe <small>(33 31 11 00-0001)</small>		
33 31 11 00-0003 LF 1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Sewer And Drain Pipe	5.09	3.09
33 31 11 00-0004 LF 2" Schedule 40 Polyvinyl Chloride (PVC) Sewer And Drain Pipe	6.17	3.76
33 31 11 00-0005 LF 3" Schedule 40 Polyvinyl Chloride (PVC) Sewer And Drain Pipe	9.20	5.34
33 31 11 00-0006 LF 4" Schedule 40 Polyvinyl Chloride (PVC) Sewer And Drain Pipe	10.42	5.82
33 31 11 00-0007 LF 6" Schedule 40 Polyvinyl Chloride (PVC) Sewer And Drain Pipe	14.14	7.50
33 31 11 00-0008 LF 8" Schedule 40 Polyvinyl Chloride (PVC) Sewer And Drain Pipe	19.53	10.04
33 31 11 00-0009 LF 10" Schedule 40 Polyvinyl Chloride (PVC) Sewer And Drain Pipe	27.55	13.32
33 31 11 00-0010 Belled End Polyvinyl Chloride (PVC) Sewer And Drain Pipe <small>(33 31 11 00-0001)</small>		
Note: D-2729 PVC pipe.		
33 31 11 00-0011 LF 3" Belled End Polyvinyl Chloride (PVC) Sewer And Drain Pipe	9.44	5.85
33 31 11 00-0012 LF 4" Belled End Polyvinyl Chloride (PVC) Sewer And Drain Pipe	11.81	7.39
33 31 11 00-0013 LF 6" Belled End Polyvinyl Chloride (PVC) Sewer And Drain Pipe	18.09	11.08
33 31 11 00-0014 Polyvinyl Chloride (PVC) Sewer And Drain Fittings <small>(33 31 11 00-0001)</small>		
33 31 11 00-0015 1/4 Bends, Polyvinyl Chloride (PVC) Sewer And Drain <small>(33 31 11 00-0014)</small>		
33 31 11 00-0016 EA 1-1/2" 1/4 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	19.44	12.47
33 31 11 00-0017 EA 2" 1/4 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	25.07	16.14
33 31 11 00-0018 EA 3" 1/4 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	35.40	21.67
33 31 11 00-0019 EA 4" 1/4 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	43.57	25.05
33 31 11 00-0020 EA 6" 1/4 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	85.65	32.55
33 31 11 00-0021 EA 8" 1/4 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	128.69	43.80
33 31 11 00-0022 EA 10" 1/4 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	170.64	58.35
33 31 11 00-0023 1/8 Bends, Polyvinyl Chloride (PVC) Sewer And Drain <small>(33 31 11 00-0014)</small>		
33 31 11 00-0024 EA 1-1/2" 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	19.61	12.47
33 31 11 00-0025 EA 2" 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	25.05	16.14
33 31 11 00-0026 EA 3" 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	35.15	21.67
33 31 11 00-0027 EA 4" 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	42.34	25.05
33 31 11 00-0028 EA 6" 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	82.54	32.55
33 31 11 00-0029 EA 8" 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	121.45	43.80
33 31 11 00-0030 EA 10" 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	149.36	58.35
33 31 11 00-0031 Long Sweep 1/4 Bends, Polyvinyl Chloride (PVC) Sewer And Drain <small>(33 31 11 00-0014)</small>		



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
				33 31 11 00-0032 EA 1-1/2" Long Sweep 1/4 Bend, Polyvinyl Chloride (PVC) Sewer And Drain.....	21.23	12.29
				33 31 11 00-0033 EA 2" Long Sweep 1/4 Bend, Polyvinyl Chloride (PVC) Sewer And Drain.....	26.23	16.14
				33 31 11 00-0034 EA 3" Long Sweep 1/4 Bend, Polyvinyl Chloride (PVC) Sewer And Drain.....	39.13	22.14
				33 31 11 00-0035 EA 4" Long Sweep 1/4 Bend, Polyvinyl Chloride (PVC) Sewer And Drain.....	52.02	27.02
				33 31 11 00-0036 EA 6" Long Sweep 1/4 Bend, Polyvinyl Chloride (PVC) Sewer And Drain.....	72.95	31.24
				33 31 11 00-0037 EA 8" Long Sweep 1/4 Bend, Polyvinyl Chloride (PVC) Sewer And Drain.....	102.53	35.64
				33 31 11 00-0038 EA 10" Long Sweep 1/4 Bend, Polyvinyl Chloride (PVC) Sewer And Drain.....	145.23	41.56
				33 31 11 00-0039 1/16 Bends, Polyvinyl Chloride (PVC) Sewer And Drain (33 31 11 00-0014)		
				33 31 11 00-0040 EA 1-1/2" 1/16 Bend, Polyvinyl Chloride (PVC) Sewer And Drain.....	19.97	12.47
				33 31 11 00-0041 EA 2" 1/16 Bend, Polyvinyl Chloride (PVC) Sewer And Drain.....	25.42	16.14
				33 31 11 00-0042 EA 3" 1/16 Bend, Polyvinyl Chloride (PVC) Sewer And Drain.....	36.19	21.67
				33 31 11 00-0043 EA 4" 1/16 Bend, Polyvinyl Chloride (PVC) Sewer And Drain.....	44.27	25.05
				33 31 11 00-0044 EA 6" 1/16 Bend, Polyvinyl Chloride (PVC) Sewer And Drain.....	96.01	32.55
				33 31 11 00-0045 EA 8" 1/16 Bend, Polyvinyl Chloride (PVC) Sewer And Drain.....	143.76	43.80
				33 31 11 00-0046 EA 10" 1/16 Bend, Polyvinyl Chloride (PVC) Sewer And Drain.....	174.07	58.35
				33 31 11 00-0047 Reducers, Polyvinyl Chloride (PVC) Sewer And Drain (33 31 11 00-0014)		
				33 31 11 00-0048 EA 2" x 1-1/2" Reducer, Polyvinyl Chloride (PVC) Sewer And Drain.....	25.60	16.14
				33 31 11 00-0049 EA 3" x 1-1/2" Reducer, Polyvinyl Chloride (PVC) Sewer And Drain.....	37.89	22.14
				33 31 11 00-0050 EA 3" x 2" Reducer, Polyvinyl Chloride (PVC) Sewer And Drain.....	37.14	22.14
				33 31 11 00-0051 EA 4" x 2" Reducer, Polyvinyl Chloride (PVC) Sewer And Drain.....	45.16	25.05
				33 31 11 00-0052 EA 4" x 3" Reducer, Polyvinyl Chloride (PVC) Sewer And Drain.....	45.51	25.05
				33 31 11 00-0053 EA 6" x 4" Reducer, Polyvinyl Chloride (PVC) Sewer And Drain.....	81.28	32.55
				33 31 11 00-0054 EA 8" x 6" Reducer, Polyvinyl Chloride (PVC) Sewer And Drain.....	131.36	38.46
				33 31 11 00-0055 EA 10" x 4" Reducer, Polyvinyl Chloride (PVC) Sewer And Drain.....	129.20	69.51
				33 31 11 00-0056 EA 10" x 6" Reducer, Polyvinyl Chloride (PVC) Sewer And Drain.....	143.18	69.51
				33 31 11 00-0057 EA 10" x 8" Reducer, Polyvinyl Chloride (PVC) Sewer And Drain.....	137.65	69.51
				33 31 11 00-0058 Sanitary Tees, Polyvinyl Chloride (PVC) Sewer And Drain (33 31 11 00-0014)		
				33 31 11 00-0059 EA 1-1/2" Sanitary Tee, Polyvinyl Chloride (PVC) Sewer And Drain.....	29.55	18.86
				33 31 11 00-0060 EA 2" Sanitary Tee, Polyvinyl Chloride (PVC) Sewer And Drain.....	38.37	24.39
				33 31 11 00-0061 EA 3" Sanitary Tee, Polyvinyl Chloride (PVC) Sewer And Drain.....	53.22	32.18
				33 31 11 00-0062 EA 4" Sanitary Tee, Polyvinyl Chloride (PVC) Sewer And Drain.....	69.27	39.97
				33 31 11 00-0063 EA 6" Sanitary Tee, Polyvinyl Chloride (PVC) Sewer And Drain.....	120.24	43.80
				33 31 11 00-0064 EA 8" Sanitary Tee, Polyvinyl Chloride (PVC) Sewer And Drain.....	158.09	58.35
				33 31 11 00-0065 Wyes, Polyvinyl Chloride (PVC) Sewer And Drain (33 31 11 00-0014)		
				33 31 11 00-0066 EA 1-1/2" Wye, Polyvinyl Chloride (PVC) Sewer And Drain.....	30.84	18.86
				33 31 11 00-0067 EA 2" Wye, Polyvinyl Chloride (PVC) Sewer And Drain.....	39.12	24.39
				33 31 11 00-0068 EA 3" Wye, Polyvinyl Chloride (PVC) Sewer And Drain.....	54.19	32.18
				33 31 11 00-0069 EA 4" Wye, Polyvinyl Chloride (PVC) Sewer And Drain.....	70.84	39.97
				33 31 11 00-0070 EA 6" Wye, Polyvinyl Chloride (PVC) Sewer And Drain.....	114.35	43.80
				33 31 11 00-0071 EA 8" Wye, Polyvinyl Chloride (PVC) Sewer And Drain.....	146.91	58.35
				33 31 11 00-0072 EA 10" Wye, Polyvinyl Chloride (PVC) Sewer And Drain.....	194.62	77.86
				33 31 11 00-0073 Reducing Wyes, Polyvinyl Chloride (PVC) Sewer And Drain (33 31 11 00-0014)		
				33 31 11 00-0074 EA 2" x 1-1/2" x 1-1/2" Reducing Wye, Polyvinyl Chloride (PVC) Sewer And Drain.....	32.86	18.86
				33 31 11 00-0075 EA 2" x 2" x 1" Reducing Wye, Polyvinyl Chloride (PVC) Sewer And Drain.....	41.09	24.39
				33 31 11 00-0076 EA 3" x 3" x 2" Reducing Wye, Polyvinyl Chloride (PVC) Sewer And Drain.....	52.85	32.18
				33 31 11 00-0077 EA 4" x 4" x 2" Reducing Wye, Polyvinyl Chloride (PVC) Sewer And Drain.....	68.69	39.97
				33 31 11 00-0078 EA 4" x 4" x 3" Reducing Wye, Polyvinyl Chloride (PVC) Sewer And Drain.....	70.16	39.97
				33 31 11 00-0079 Double Wyes, Polyvinyl Chloride (PVC) Sewer And Drain (33 31 11 00-0014)		
				33 31 11 00-0080 EA 1-1/2" Double Wye, Polyvinyl Chloride (PVC) Sewer And Drain.....	42.02	24.39
				33 31 11 00-0081 EA 2" Double Wye, Polyvinyl Chloride (PVC) Sewer And Drain.....	55.38	32.18
				33 31 11 00-0082 EA 3" Double Wye, Polyvinyl Chloride (PVC) Sewer And Drain.....	83.38	43.43
				33 31 11 00-0083 EA 4" Double Wye, Polyvinyl Chloride (PVC) Sewer And Drain.....	115.86	52.53
				33 31 11 00-0084 EA 2" x 2" x 1-1/2" x 1-1/2" Double Wye, Polyvinyl Chloride (PVC) Sewer And Drain.....	54.77	32.18
				33 31 11 00-0085 EA 3" x 3" x 2" x 2" Double Wye, Polyvinyl Chloride (PVC) Sewer And Drain.....	78.71	43.43
				33 31 11 00-0086 EA 4" x 4" x 3" x 3" Double Wye, Polyvinyl Chloride (PVC) Sewer And Drain.....	108.15	52.53
				33 31 11 00-0087 Combination Wye And 1/8 Bends, Polyvinyl Chloride (PVC) Sewer And Drain (33 31 11 00-0014)		
				33 31 11 00-0088 EA 1-1/2" Combination Wye And 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain.....	32.45	18.86
				33 31 11 00-0089 EA 2" Combination Wye And 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain.....	41.63	24.39
				33 31 11 00-0090 EA 3" Combination Wye And 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain.....	61.75	32.18
				33 31 11 00-0091 EA 4" Combination Wye And 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain.....	87.80	39.97
				33 31 11 00-0092 EA 2" x 2" x 1-1/2" Combination Wye And 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain.....	47.11	24.39
				33 31 11 00-0093 EA 3" x 3" x 1-1/2" Combination Wye And 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain.....	66.71	32.18
				33 31 11 00-0094 EA 3" x 3" x 2" Combination Wye And 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain.....	59.81	32.18
				33 31 11 00-0095 EA 4" x 4" x 2" Combination Wye And 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain.....	85.47	39.97

33 Utilities**33 30 Sanitary Sewerage Utilities****33 31 Sanitary Sewerage Piping**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 31 11 00-0096 EA 4" x 4" x 3" Combination Wye And 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain.....	87.60	39.97
33 31 11 00-0097 Double Combination Wye And 1/8 Bends, Polyvinyl Chloride (PVC) Sewer And Drain (33 31 11 00-0014)		
33 31 11 00-0098 EA 1-1/2" Double Combination Wye And 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	43.27	24.39
33 31 11 00-0099 EA 2" Double Combination Wye And 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	55.52	32.18
33 31 11 00-0100 EA 3" Double Combination Wye And 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	77.64	43.43
33 31 11 00-0101 EA 4" Double Combination Wye And 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	144.86	52.53
33 31 11 00-0102 EA 6" Double Combination Wye And 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	327.02	58.16
33 31 11 00-0103 Clean Out Tees With Plug, Polyvinyl Chloride (PVC) Sewer And Drain (33 31 11 00-0014)		
33 31 11 00-0104 EA 4" Clean Out Tees With Plug, Polyvinyl Chloride (PVC) Sewer And Drain	187.77	97.92
33 31 11 00-0105 EA 6" Clean Out Tees With Plug, Polyvinyl Chloride (PVC) Sewer And Drain	308.23	126.32
33 31 11 00-0106 EA 8" Clean Out Tees With Plug, Polyvinyl Chloride (PVC) Sewer And Drain	414.95	178.01
33 31 11 00-0107 EA 10" Clean Out Tees With Plug, Polyvinyl Chloride (PVC) Sewer And Drain	625.63	286.36
33 31 11 00-0108 Couplings, Polyvinyl Chloride (PVC) Sewer And Drain (33 31 11 00-0014)		
33 31 11 00-0109 EA 1-1/2" Coupling, Polyvinyl Chloride (PVC) Sewer And Drain	19.40	12.47
33 31 11 00-0110 EA 2" Coupling, Polyvinyl Chloride (PVC) Sewer And Drain	24.73	16.04
33 31 11 00-0111 EA 3" Coupling, Polyvinyl Chloride (PVC) Sewer And Drain	34.08	21.48
33 31 11 00-0112 EA 4" Coupling, Polyvinyl Chloride (PVC) Sewer And Drain	40.50	25.05
33 31 11 00-0113 EA 6" Coupling, Polyvinyl Chloride (PVC) Sewer And Drain	65.29	32.55
33 31 11 00-0114 EA 8" Coupling, Polyvinyl Chloride (PVC) Sewer And Drain	113.13	43.80
33 31 11 00-0115 EA 10" Coupling, Polyvinyl Chloride (PVC) Sewer And Drain	161.11	58.35
33 31 11 00-0116 Adapters, Polyvinyl Chloride (PVC) Sewer And Drain (33 31 11 00-0014)		
33 31 11 00-0117 EA 4" Male, Plastic Pipe x Malleable Iron Pipe Adapter, Drain And Sewer Fitting.....	112.18	72.00
33 31 11 00-0118 EA 2" x 3" x 3" Downspout Adapter, Drain And Sewer Fitting	83.49	54.77
33 31 11 00-0119 EA 2" x 3" x 4" Downspout Adapter, Drain And Sewer Fitting	84.10	54.77
33 31 11 00-0120 EA 3" x 4" x 4" Downspout Adapter, Drain And Sewer Fitting	85.74	54.77
33 31 11 00-0121 EA 4" Hub, Cast Iron Pipe x Plastic Pipe Adapter, Drain And Sewer Fitting.....	112.63	72.00
33 31 11 00-0122 EA 4" Spigot, Clay Pipe x Plastic Pipe Adapter, Drain And Sewer Fitting	111.32	72.00
33 31 11 00-0123 EA 4" Spigot, Fiberglass Pipe x Plastic Pipe Adapter, Drain And Sewer Fitting	109.17	72.00
33 31 11 00-0124 EA 4" Drain Grate, Drain And Sewer Fitting	57.05	37.03
33 31 11 00-0125 Caps, Polyvinyl Chloride (PVC) Sewer And Drain (33 31 11 00-0014)		
33 31 11 00-0126 EA 3" Cap, Polyvinyl Chloride (PVC) Drain And Sewer Fitting	23.91	13.41
33 31 11 00-0127 EA 4" Cap, Polyvinyl Chloride (PVC) Drain And Sewer Fitting	33.51	16.70
33 31 11 00-0128 EA 6" Cap, Polyvinyl Chloride (PVC) Drain And Sewer Fitting	52.65	21.57
33 31 11 00-0129 Plug Cleanout, Polyvinyl Chloride (PVC) Sewer And Drain (33 31 11 00-0014)		
33 31 11 00-0130 EA 1-1/2" Plug Cleanout, Polyvinyl Chloride (PVC) Sewer And Drain	19.47	12.47
33 31 11 00-0131 EA 2" Plug Cleanout, Polyvinyl Chloride (PVC) Sewer And Drain	25.19	16.14
33 31 11 00-0132 EA 3" Plug Cleanout, Polyvinyl Chloride (PVC) Sewer And Drain	34.98	21.67
33 31 11 00-0133 EA 4" Plug Cleanout, Polyvinyl Chloride (PVC) Sewer And Drain	42.19	25.05
33 31 11 00-0134 EA 6" Plug Cleanout, Polyvinyl Chloride (PVC) Sewer And Drain	61.18	32.55
33 31 11 00-0135 EA 8" Plug Cleanout, Polyvinyl Chloride (PVC) Sewer And Drain	145.01	43.80
33 31 11 00-0136 Gasketed SDR 35 Polyvinyl Chloride (PVC) Pipe (33 31 11 00-0001)		
Note: ASTM 3034.		
33 31 11 00-0137 LF 4" Gasketed SDR 35 Polyvinyl Chloride (PVC) Pipe	9.62	4.34
33 31 11 00-0138 LF 6" Gasketed SDR 35 Polyvinyl Chloride (PVC) Pipe	12.42	4.69
33 31 11 00-0139 LF 8" Gasketed SDR 35 Polyvinyl Chloride (PVC) Pipe	16.56	5.31
33 31 11 00-0140 LF 10" Gasketed SDR 35 Polyvinyl Chloride (PVC) Pipe	21.97	6.25
33 31 11 00-0141 LF 12" Gasketed SDR 35 Polyvinyl Chloride (PVC) Pipe	27.06	6.44
33 31 11 00-0142 LF 15" Gasketed SDR 35 Polyvinyl Chloride (PVC) Pipe	42.18	10.61
33 31 11 00-0143 LF 18" Gasketed SDR 35 Polyvinyl Chloride (PVC) Pipe	56.62	13.65
33 31 11 00-0144 LF 21" Gasketed SDR 35 Polyvinyl Chloride (PVC) Pipe	73.25	15.93
33 31 11 00-0145 LF 24" Gasketed SDR 35 Polyvinyl Chloride (PVC) Pipe	88.83	18.20
33 31 11 00-0146 LF 27" Gasketed SDR 35 Polyvinyl Chloride (PVC) Pipe	107.91	20.47
33 31 11 00-0147 Solvent Weld SDR 35 Polyvinyl Chloride (PVC) Pipe (33 31 11 00-0001)		
Note: ASTM 3034.		
33 31 11 00-0148 LF 4" Solvent Weld SDR 35 Polyvinyl Chloride (PVC) Pipe.....	8.61	4.34
33 31 11 00-0149 LF 6" Solvent Weld SDR 35 Polyvinyl Chloride (PVC) Pipe.....	10.63	4.69
33 31 11 00-0150 LF 8" Solvent Weld SDR 35 Polyvinyl Chloride (PVC) Pipe.....	13.65	5.31
33 31 11 00-0151 Gasketed SDR 35 Polyvinyl Chloride (PVC) Fittings (33 31 11 00-0001)		
Note: ASTM 3034.		
33 31 11 00-0152 1/4 Bends, Gasketed SDR 35 Polyvinyl Chloride (PVC) (33 31 11 00-0151)		



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
				33 31 11 00-0153 EA 4" 1/4 Bend, Gasketed SDR 35 Polyvinyl Chloride (PVC)	54.93	22.41
				33 31 11 00-0154 EA 6" 1/4 Bend, Gasketed SDR 35 Polyvinyl Chloride (PVC)	75.76	26.06
				33 31 11 00-0155 EA 8" 1/4 Bend, Gasketed SDR 35 Polyvinyl Chloride (PVC)	138.92	29.54
				33 31 11 00-0156 EA 10" 1/4 Bend, Gasketed SDR 35 Polyvinyl Chloride (PVC)	358.64	34.75
				33 31 11 00-0157 EA 12" 1/4 Bend, Gasketed SDR 35 Polyvinyl Chloride (PVC)	462.96	44.30
				33 31 11 00-0158 1/8 Bends, Gasketed SDR 35 Polyvinyl Chloride (PVC) (33 31 11 00-0151)		
				33 31 11 00-0159 EA 4" 1/8 Bend, Gasketed SDR 35 Polyvinyl Chloride (PVC)	51.31	22.41
				33 31 11 00-0160 EA 6" 1/8 Bend, Gasketed SDR 35 Polyvinyl Chloride (PVC)	71.78	26.06
				33 31 11 00-0161 EA 8" 1/8 Bend, Gasketed SDR 35 Polyvinyl Chloride (PVC)	128.85	29.54
				33 31 11 00-0162 EA 10" 1/8 Bend, Gasketed SDR 35 Polyvinyl Chloride (PVC)	263.82	34.75
				33 31 11 00-0163 EA 12" 1/8 Bend, Gasketed SDR 35 Polyvinyl Chloride (PVC)	372.81	44.30
				33 31 11 00-0164 EA 15" 1/8 Bend, Gasketed SDR 35 Polyvinyl Chloride (PVC)	773.68	62.56
				33 31 11 00-0165 EA 18" 1/8 Bend, Gasketed SDR 35 Polyvinyl Chloride (PVC)	1,219.14	88.62
				33 31 11 00-0166 EA 21" 1/8 Bend, Gasketed SDR 35 Polyvinyl Chloride (PVC)	2,010.08	117.29
				33 31 11 00-0167 EA 24" 1/8 Bend, Gasketed SDR 35 Polyvinyl Chloride (PVC)	2,737.99	156.38
				33 31 11 00-0168 Sanitary Tees, Gasketed SDR 35 Polyvinyl Chloride (PVC) (33 31 11 00-0151)		
				33 31 11 00-0169 EA 4" Sanitary Tees, Gasketed SDR 35 Polyvinyl Chloride (PVC)	82.92	33.63
				33 31 11 00-0170 EA 6" x 4" Sanitary Tees, Gasketed SDR 35 Polyvinyl Chloride (PVC)	120.28	37.27
				33 31 11 00-0171 EA 6" Sanitary Tees, Gasketed SDR 35 Polyvinyl Chloride (PVC)	132.99	39.10
				33 31 11 00-0172 EA 8" x 4" Sanitary Tees, Gasketed SDR 35 Polyvinyl Chloride (PVC)	145.06	40.92
				33 31 11 00-0173 EA 8" x 6" Sanitary Tees, Gasketed SDR 35 Polyvinyl Chloride (PVC)	162.90	42.74
				33 31 11 00-0174 EA 8" Sanitary Tees, Gasketed SDR 35 Polyvinyl Chloride (PVC)	282.83	44.57
				33 31 11 00-0175 EA 10" x 4" Sanitary Tees, Gasketed SDR 35 Polyvinyl Chloride (PVC)	353.29	45.61
				33 31 11 00-0176 EA 10" x 6" Sanitary Tees, Gasketed SDR 35 Polyvinyl Chloride (PVC)	397.32	47.78
				33 31 11 00-0177 EA 10" x 8" Sanitary Tees, Gasketed SDR 35 Polyvinyl Chloride (PVC)	570.33	49.60
				33 31 11 00-0178 EA 10" Sanitary Tees, Gasketed SDR 35 Polyvinyl Chloride (PVC)	733.60	52.13
				33 31 11 00-0179 EA 12" x 4" Sanitary Tees, Gasketed SDR 35 Polyvinyl Chloride (PVC)	434.22	55.52
				33 31 11 00-0180 EA 12" x 6" Sanitary Tees, Gasketed SDR 35 Polyvinyl Chloride (PVC)	459.72	57.34
				33 31 11 00-0181 EA 12" x 8" Sanitary Tees, Gasketed SDR 35 Polyvinyl Chloride (PVC)	638.28	59.16
				33 31 11 00-0182 EA 12" x 10" Sanitary Tees, Gasketed SDR 35 Polyvinyl Chloride (PVC)	902.15	61.68
				33 31 11 00-0183 EA 12" Sanitary Tees, Gasketed SDR 35 Polyvinyl Chloride (PVC)	1,014.30	66.47
				33 31 11 00-0184 Wyes, Gasketed SDR 35 Polyvinyl Chloride (PVC) (33 31 11 00-0151)		
				33 31 11 00-0185 EA 4" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC)	80.11	33.63
				33 31 11 00-0186 EA 6" x 4" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC)	110.94	37.27
				33 31 11 00-0187 EA 6" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC)	120.44	39.10
				33 31 11 00-0188 EA 8" x 4" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC)	141.05	40.92
				33 31 11 00-0189 EA 8" x 6" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC)	158.12	42.74
				33 31 11 00-0190 EA 8" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC)	225.75	44.57
				33 31 11 00-0191 EA 10" x 4" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC)	326.43	45.96
				33 31 11 00-0192 EA 10" x 6" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC)	333.69	47.78
				33 31 11 00-0193 EA 10" x 8" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC)	484.65	49.60
				33 31 11 00-0194 EA 10" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC)	534.16	52.13
				33 31 11 00-0195 EA 12" x 4" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC)	411.61	55.52
				33 31 11 00-0196 EA 12" x 6" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC)	424.60	57.34
				33 31 11 00-0197 EA 12" x 8" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC)	590.13	59.16
				33 31 11 00-0198 EA 12" x 10" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC)	703.57	61.68
				33 31 11 00-0199 EA 12" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC)	736.23	66.47
				33 31 11 00-0200 EA 15" x 10" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC)	905.77	79.93
				33 31 11 00-0201 EA 15" x 12" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC)	1,001.81	84.71
				33 31 11 00-0202 EA 15" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC)	1,243.09	93.83
				33 31 11 00-0203 Couplings, Gasketed SDR 35 Polyvinyl Chloride (PVC) (33 31 11 00-0151)		
				33 31 11 00-0204 EA 4" Coupling, Gasketed SDR 35 Polyvinyl Chloride (PVC)	54.61	22.41
				33 31 11 00-0205 EA 6" Coupling, Gasketed SDR 35 Polyvinyl Chloride (PVC)	77.90	26.06
				33 31 11 00-0206 EA 8" Coupling, Gasketed SDR 35 Polyvinyl Chloride (PVC)	108.04	29.72
				33 31 11 00-0207 EA 10" Coupling, Gasketed SDR 35 Polyvinyl Chloride (PVC)	187.81	34.75
				33 31 11 00-0208 EA 12" Coupling, Gasketed SDR 35 Polyvinyl Chloride (PVC)	262.56	44.30
				33 31 11 00-0209 EA 15" Coupling, Gasketed SDR 35 Polyvinyl Chloride (PVC)	494.69	62.56
				33 31 11 00-0210 EA 18" Coupling, Gasketed SDR 35 Polyvinyl Chloride (PVC)	907.73	88.62
				33 31 11 00-0211 EA 21" Coupling, Gasketed SDR 35 Polyvinyl Chloride (PVC)	1,490.77	117.29
				33 31 11 00-0212 EA 24" Coupling, Gasketed SDR 35 Polyvinyl Chloride (PVC)	2,147.60	156.38
				33 31 11 00-0213 Increaser, Gasketed SDR 35 Polyvinyl Chloride (PVC) (33 31 11 00-0151)		
				33 31 11 00-0214 EA 6" x 4" Increaser, Gasketed SDR 35 Polyvinyl Chloride (PVC)	89.92	24.24
				33 31 11 00-0215 EA 8" x 4" Increaser, Gasketed SDR 35 Polyvinyl Chloride (PVC)	122.07	26.06
				33 31 11 00-0216 EA 8" x 6" Increaser, Gasketed SDR 35 Polyvinyl Chloride (PVC)	129.04	27.88
				33 31 11 00-0217 EA 10" x 6" Increaser, Gasketed SDR 35 Polyvinyl Chloride (PVC)	265.31	30.41
				33 31 11 00-0218 EA 10" x 8" Increaser, Gasketed SDR 35 Polyvinyl Chloride (PVC)	302.79	32.24
				33 31 11 00-0219 EA 12" x 6" Increaser, Gasketed SDR 35 Polyvinyl Chloride (PVC)	337.69	35.19
				33 31 11 00-0220 EA 12" x 8" Increaser, Gasketed SDR 35 Polyvinyl Chloride (PVC)	384.94	37.01
				33 31 11 00-0221 EA 12" x 10" Increaser, Gasketed SDR 35 Polyvinyl Chloride (PVC)	439.08	39.53
				33 31 11 00-0222 EA 15" x 12" Increaser, Gasketed SDR 35 Polyvinyl Chloride (PVC)	656.34	53.43

33 Utilities**33 30 Sanitary Sewerage Utilities****33 31 Sanitary Sewerage Piping**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST**33 31 11 00-0223 Saddle Wye With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC)***(33 31 11 00-0151)*

33 31 11 00-0224	EA	6" x 4" Saddle Wye With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC).....	79.11	
33 31 11 00-0225	EA	8" x 4" Saddle Wye With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC).....	102.03	
33 31 11 00-0226	EA	8" x 6" Saddle Wye With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC).....	103.76	
33 31 11 00-0227	EA	10" x 4" Saddle Wye With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC).....	159.78	
33 31 11 00-0228	EA	10" x 6" Saddle Wye With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC).....	167.02	
33 31 11 00-0229	EA	10" x 8" Saddle Wye With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC).....	291.62	
33 31 11 00-0230	EA	12" x 4" Saddle Wye With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC).....	184.14	
33 31 11 00-0231	EA	12" x 6" Saddle Wye With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC).....	197.72	
33 31 11 00-0232	EA	12" x 8" Saddle Wye With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC).....	398.88	
33 31 11 00-0233	EA	12" x 10" Saddle Wye With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC).....	464.25	
33 31 11 00-0234	EA	15" x 4" Saddle Wye With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC).....	220.47	
33 31 11 00-0235	EA	15" x 6" Saddle Wye With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC).....	232.32	

33 31 11 00-0236 Saddle Tee With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC)*(33 31 11 00-0151)*

33 31 11 00-0237	EA	6" x 4" Saddle Tee With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC).....	83.16	
33 31 11 00-0238	EA	8" x 4" Saddle Tee With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC).....	102.03	
33 31 11 00-0239	EA	8" x 6" Saddle Tee With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC).....	109.28	
33 31 11 00-0240	EA	10" x 4" Saddle Tee With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC).....	149.04	
33 31 11 00-0241	EA	10" x 6" Saddle Tee With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC).....	166.15	
33 31 11 00-0242	EA	10" x 8" Saddle Tee With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC).....	237.54	
33 31 11 00-0243	EA	12" x 4" Saddle Tee With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC).....	183.28	
33 31 11 00-0244	EA	12" x 6" Saddle Tee With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC).....	196.90	
33 31 11 00-0245	EA	12" x 8" Saddle Tee With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC).....	277.79	
33 31 11 00-0246	EA	12" x 10" Saddle Tee With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC).....	330.58	
33 31 11 00-0247	EA	15" x 4" Saddle Tee With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC).....	219.94	
33 31 11 00-0248	EA	15" x 6" Saddle Tee With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC).....	228.31	
33 31 11 00-0249	EA	15" x 8" Saddle Tee With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC).....	347.91	
33 31 11 00-0250	EA	15" x 10" Saddle Tee With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC).....	379.77	
33 31 11 00-0251	EA	15" x 12" Saddle Tee With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC).....	516.70	

33 31 11 00-0252 Couplings And Plug Fittings*(33 31 11)***33 31 11 00-0253 Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC)****Flexible Pipe Couplings***(33 31 11 00-0252)*

Note: For cast iron or plastic to cast iron to plastic pipe. Includes stainless steel clamps. Fernco 1056.

33 31 11 00-0254	EA	1-1/2" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Coupling.....	17.56	6.77
33 31 11 00-0255	EA	2" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Coupling.....	19.29	7.89
33 31 11 00-0256	EA	3" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Coupling.....	22.01	9.02
33 31 11 00-0257	EA	4" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Coupling.....	24.70	9.59
33 31 11 00-0258	EA	5" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Coupling.....	29.34	10.15
33 31 11 00-0259	EA	6" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Coupling.....	34.03	11.28
33 31 11 00-0260	EA	8" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Coupling.....	41.81	12.41
33 31 11 00-0261	EA	10" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Coupling.....	50.30	12.97
33 31 11 00-0262	EA	12" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Coupling.....	90.85	13.53
33 31 11 00-0263	EA	15" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Coupling.....	122.42	14.66
33 31 11 00-0264	EA	18" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Coupling.....	232.20	15.23
33 31 11 00-0265	EA	21" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Coupling.....	269.27	16.08
33 31 11 00-0266	EA	24" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Coupling.....	298.03	16.92
33 31 11 00-0267	EA	27" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Coupling.....	356.52	18.05

33 31 11 00-0268 Cast Iron Service Saddles With U Bolt*(33 31 11)*

33 31 11 00-0269	EA	2" Diameter x 2" Tapped Tee Cast Iron Service Saddles With U Bolt.....	97.45	
33 31 11 00-0270	EA	3" Diameter x 1-1/2" Tapped Tee Cast Iron Service Saddles With U Bolt.....	97.88	
33 31 11 00-0271	EA	3" Diameter x 2" Tapped Tee Cast Iron Service Saddles With U Bolt.....	107.90	
33 31 11 00-0272	EA	4" Diameter x 1-1/2" Tapped Tee Cast Iron Service Saddles With U Bolt.....	104.10	
33 31 11 00-0273	EA	4" Diameter x 2" Hub Tee Cast Iron Service Saddles With U Bolt.....	117.09	
33 31 11 00-0274	EA	4" Diameter x 3" Hub Tee Cast Iron Service Saddles With U Bolt.....	131.16	
33 31 11 00-0275	EA	4" Diameter x 4" Hub Tee Cast Iron Service Saddles With U Bolt.....	155.16	
33 31 11 00-0276	EA	6" Diameter x 2" Hub Tee Cast Iron Service Saddles With U Bolt.....	130.57	
33 31 11 00-0277	EA	6" Diameter x 3" Hub Tee Cast Iron Service Saddles With U Bolt.....	140.13	
33 31 11 00-0278	EA	6" Diameter x 4" Hub Tee Cast Iron Service Saddles With U Bolt.....	164.87	
33 31 11 00-0279	EA	4" Diameter x 1-1/2" Tapped Wye Cast Iron Service Saddle With U Bolt.....	106.55	
33 31 11 00-0280	EA	4" Diameter x 2" Tapped Wye Cast Iron Service Saddle With U Bolt.....	116.57	
33 31 11 00-0281	EA	4" Diameter x 3" Hub Wye Cast Iron Service Saddle With U Bolt.....	136.88	
33 31 11 00-0282	EA	4" Diameter x 4" Hub Wye Cast Iron Service Saddle With U Bolt.....	162.19	
33 31 11 00-0283	EA	6" Diameter x 4" Hub Wye Cast Iron Service Saddle With U Bolt.....	173.62	

33 32 Sanitary Sewerage Equipment*(33 30)***33 32 16 Packaged Wastewater Grinder Pump Assemblies***(33 32)***33 32 16 00-0001 Submersible Grinder Pumps, Cast Iron With Bronze Impeller***(33 32 16)*



Utilities	33	CS
Sanitary Sewerage Utilities	33 30	
Sanitary Sewerage Equipment	33 32	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 32 16 00-0002 EA 2 HP Submersible Grinder Pump, 200/208, 230 Volt, 1 Phase, 3450 RPM, 1-1/2" Threaded Discharge.....	2,086.57	334.51
Note: Zoeller 840 series.		
33 32 16 00-0003 EA 2 HP Submersible Grinder Pump, 200/208, 230, 460 Volt, 3 Phase, 3450 RPM, 1-1/2" Threaded Discharge.....	2,057.27	334.51
Note: Zoeller 840 series.		
33 32 16 00-0004 EA Simplex Control Panel With Auto Reversing Switch	983.84	111.46
Note: For Zoeller 840 series grinder pump.		
33 32 16 00-0005 EA Duplex Control Panel With Auto Reversing Switch.....	1,528.40	111.46
Note: For Zoeller 840 series grinder pump.		
33 32 16 00-0006 EA Grinder Pump, 120 Gallon Sewage Basin, 1 HP, 120 V (Environment One 2012-74).....	7,327.30	
33 32 16 00-0007 Submersible Grinder Pumps (33 32 16)		
Note: Includes 50' of cord with pumps unless otherwise noted.		
33 32 16 00-0008 EA 2 HP Submersible Grinder Pump @ 3450RPM, Explosion Proof.....	3,530.87	615.07
33 32 16 00-0009 EA 3 HP Submersible Grinder Pump @ 3450RPM, Explosion Proof.....	5,312.65	717.58
33 32 16 00-0010 EA 5 HP Submersible Grinder Pump @ 3450RPM, Explosion Proof.....	6,498.13	922.60
33 34 Onsite Wastewater Disposal (33 30)		
Note: Excludes distribution field piping, trenching or excavation.		
33 34 13 Septic Tanks (33 34)		
33 34 13 13 Concrete Septic Tanks (33 34 13)		
33 34 13 13-0001 Precast Concrete Septic Tank (33 34 13 13)		
Note: Includes external coating.		
33 34 13 13-0002 EA 1,000 Gallon Precast Septic Tank	2,409.71	615.07
For Non-Traffic Rated, Deduct	-413.59	
33 34 13 13-0003 EA 1,250 Gallon Precast Septic Tank	2,867.09	678.93
For Non-Traffic Rated, Deduct	-508.39	
33 34 13 13-0004 EA 1,500 Gallon Precast Septic Tank	3,308.05	742.70
For Non-Traffic Rated, Deduct	-599.05	
33 34 13 13-0005 EA 2,000 Gallon Precast Septic Tank	4,175.32	807.27
For Non-Traffic Rated, Deduct	-796.76	
33 34 13 13-0006 EA 2,500 Gallon Precast Septic Tank	5,047.60	1,114.81
For Non-Traffic Rated, Deduct	-920.90	
33 34 13 13-0007 EA 4,000 Gallon Precast Septic Tank	12,745.19	1,537.67
For Non-Traffic Rated, Deduct	-2,714.74	
33 34 13 13-0008 EA 5,000 Gallon Precast Septic Tank	22,939.00	2,306.50
For Non-Traffic Rated, Deduct	-5,029.44	
33 34 13 13-0009 EA 7,500 Gallon Precast Septic Tank	26,018.36	3,229.10
For Non-Traffic Rated, Deduct	-5,522.19	
33 34 13 13-0010 EA 10,000 Gallon Precast Septic Tank	31,863.61	3,863.45
For Non-Traffic Rated, Deduct	-6,787.02	
33 34 13 13-0011 EA 12,500 Gallon Precast Septic Tank	37,778.84	4,786.05
For Non-Traffic Rated, Deduct	-7,971.11	
33 34 13 23 Fiberglass Septic Tank (33 34 13)		
33 34 13 23-0001 Fiberglass Septic Tank (33 34 13 23)		
33 34 13 23-0002 EA 1,000 Gallon Fiberglass Septic Tank.....	1,336.45	461.30
33 34 13 23-0003 EA 1,250 Gallon Fiberglass Septic Tank.....	1,700.42	615.07
33 34 13 23-0004 EA 1,500 Gallon Fiberglass Septic Tank.....	1,784.32	557.46
33 34 13 23-0005 EA 2,000 Gallon Fiberglass Septic Tank.....	2,198.45	603.49
33 34 13 23-0006 EA 2,500 Gallon Fiberglass Septic Tank.....	2,716.53	836.50
33 34 13 23-0007 EA 4,000 Gallon Fiberglass Septic Tank.....	6,346.72	1,153.25
33 34 13 23-0008 EA 5,000 Gallon Fiberglass Septic Tank.....	11,247.50	1,729.88
33 34 13 23-0009 EA 7,500 Gallon Fiberglass Septic Tank.....	12,977.41	2,421.83
33 34 13 23-0010 EA 10,000 Gallon Fiberglass Septic Tank.....	15,875.08	2,894.61
33 34 13 33 Polyethylene Septic Tank (33 34 13)		
33 34 13 33-0001 High Density Polyethylene (HDPE) Septic Tank (33 34 13 33)		
33 34 13 33-0002 EA 300 Gallon One Compartment One Manhole High Density Polyethylene (HDPE) Septic Tank.....	841.10	205.12
33 34 13 33-0003 EA 500 Gallon One Compartment One Manhole High Density Polyethylene (HDPE) Septic Tank.....	1,222.82	230.77
33 34 13 33-0004 EA 900 Gallon One Compartment Two Manhole High Density Polyethylene (HDPE) Septic Tank.....	1,667.27	282.05
33 34 13 33-0005 EA 1,000 Gallon One Compartment Two Manhole High Density Polyethylene (HDPE) Septic Tank.....	1,727.44	307.69
33 34 13 33-0006 EA 1,250 Gallon One Compartment Two Manhole High Density Polyethylene (HDPE) Septic Tank.....	1,982.07	333.33
33 34 13 33-0007 EA 1,500 Gallon One Compartment Two Manhole High Density Polyethylene (HDPE) Septic Tank.....	2,343.46	358.97
33 34 13 33-0008 EA 750 Gallon Two Compartment Two Manhole High Density Polyethylene (HDPE) Septic Tank.....	1,655.39	256.41
33 34 13 33-0009 EA 1,000 Gallon Two Compartment Two Manhole High Density Polyethylene (HDPE) Septic Tank.....	1,829.12	307.69
33 34 13 33-0010 EA 1,250 Gallon Two Compartment Two Manhole High Density Polyethylene (HDPE) Septic Tank.....	2,126.96	333.33
33 34 13 33-0011 EA 1,500 Gallon Two Compartment Two Manhole High Density Polyethylene (HDPE) Septic Tank.....	2,470.56	358.97
33 34 51 Drainage Field System (33 34)		
33 34 51 00-0001 Leaching Pit - Precast Concrete (33 34 51)		
Note: Includes external coating.		
33 34 51 00-0002 EA 3' Diameter, 3' High, Precast Concrete Leaching Pit	836.38	90.21

33 Utilities**33 30 Sanitary Sewerage Utilities****33 34 Onsite Wastewater Disposal**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 34 51 00-0003 EA 4' Diameter, 3' High, Precast Concrete Leaching Pit	1,180.76	128.14
33 34 51 00-0004 EA 6' Diameter, 3' High, Precast Concrete Leaching Pit	1,572.77	153.77
33 34 51 00-0005 EA 8' Diameter, 4' High, Precast Concrete Leaching Pit	2,557.88	256.27
33 34 51 00-0006 EA 10' Diameter, 4' High, Precast Concrete Leaching Pit	3,739.53	358.78
33 34 53 Distribution Chambers (33 34)		
33 34 53 13 Drainage Field Concrete Distribution Chambers (33 34 53)		
33 34 53 13-0001 Concrete Distribution Boxes (33 34 53 13)		
Note: Includes internal and external coating.		
33 34 53 13-0002 EA 3 Outlet Concrete Distribution Box	232.53	64.79
33 34 53 13-0003 EA 5 Outlet Concrete Distribution Box	272.43	77.75
33 34 53 13-0004 EA 8 Outlet Concrete Distribution Box	441.95	90.71
33 34 53 13-0005 EA 12 Outlet Concrete Distribution Box	854.96	155.50
33 34 53 13-0006 Leaching Field Chambers - Precast Concrete (33 34 53 13)		
33 34 53 13-0007 EA Standard Leaching Field Chamber 13' x 3'-7" x 1'-4"	956.40	70.50
33 34 53 13-0008 EA Heavy Duty Leaching Field Chamber 13' x 3'-9" x 1'-6"	1,162.53	96.12
33 34 56 Drainage Field Dosing Chambers (33 34)		
33 34 56 00-0001 Dosing Siphon (33 34 56)		
33 34 56 00-0002 EA Dosing Siphon With Electrical Connection And Solenoid Valve	4,087.67	
33 34 56 00-0003 EA Solar Power Control For Dosing Siphon	2,791.93	
33 34 56 00-0004 EA Electrical Power Control For Dosing Siphon	2,683.37	
33 40 Stormwater Utilities (33)		
33 41 Subdrainage (33 40)		
33 41 16 Subdrainage Piping (33 41)		
See CSI section 33 42 11 00-0201 for polyethylene drain pipe.		
33 41 16 00-0001 Perforated Polyvinyl Chloride (PVC) Drainage Piping, D2729 (33 41 16)		
Note: Includes fittings, couplings, elbows, etc.		
33 41 16 00-0002 LF 3" Perforated Polyvinyl Chloride (PVC) Drainage Piping	4.64	3.36
33 41 16 00-0003 LF 4" Perforated Polyvinyl Chloride (PVC) Drainage Piping	5.06	3.63
33 41 16 00-0004 LF 6" Perforated Polyvinyl Chloride (PVC) Drainage Piping	6.82	4.36
33 41 16 00-0005 LF 8" Perforated Polyvinyl Chloride (PVC) Drainage Piping	10.04	5.45
33 41 16 00-0006 LF 10" Perforated Polyvinyl Chloride (PVC) Drainage Piping	15.40	6.23
33 41 16 00-0007 LF 12" Perforated Polyvinyl Chloride (PVC) Drainage Piping	19.54	7.26
33 41 16 00-0008 LF 15" Perforated Polyvinyl Chloride (PVC) Drainage Piping	33.21	8.71
33 41 16 00-0009 Perforated Non Reinforced Concrete Drainage Piping, C444 (33 41 16)		
33 41 16 00-0010 LF 6" Perforated Non Reinforced Concrete Drainage Pipe	19.24	4.64
For Extra Strength, Add	1.11	
For >1,000, Deduct	-0.96	
33 41 16 00-0011 LF 8" Perforated Non Reinforced Concrete Drainage Pipe	22.35	5.41
For Extra Strength, Add	1.37	
For >1,000, Deduct	-1.12	
33 41 16 00-0012 LF 10" Perforated Non Reinforced Concrete Drainage Pipe	25.31	6.18
For Extra Strength, Add	1.60	
For >1,000, Deduct	-1.27	
33 41 16 00-0013 LF 12" Perforated Non Reinforced Concrete Drainage Pipe	30.06	7.73
For Extra Strength, Add	2.00	
For >1,000, Deduct	-1.50	
33 41 16 00-0014 Extra Strength Porous Non Reinforced Concrete Drainage Piping, C654 (33 41 16)		
Note: Bell and spigot or tongue and groove. With seals and gaskets.		
33 41 16 00-0015 LF 6" Extra Strength Porous Non Reinforced Concrete Drainage Pipe	19.94	9.74
For >1,000, Deduct	-1.00	
33 41 16 00-0016 LF 8" Extra Strength Porous Non Reinforced Concrete Drainage Pipe	22.08	10.82
For >1,000, Deduct	-1.10	
33 41 16 00-0017 LF 10" Extra Strength Porous Non Reinforced Concrete Drainage Pipe	24.35	11.90
For >1,000, Deduct	-1.22	
33 41 16 00-0018 LF 12" Extra Strength Porous Non Reinforced Concrete Drainage Pipe	27.58	12.37
For >1,000, Deduct	-1.38	
33 41 16 00-0019 LF 15" Extra Strength Porous Non Reinforced Concrete Drainage Pipe	31.84	13.91
For >1,000, Deduct	-1.59	
33 41 16 00-0020 LF 18" Extra Strength Porous Non Reinforced Concrete Drainage Pipe	39.45	17.77
For >1,000, Deduct	-1.97	
33 41 16 00-0021 LF 21" Extra Strength Porous Non Reinforced Concrete Drainage Pipe	49.34	22.79
For >1,000, Deduct	-2.47	
33 41 16 00-0022 LF 24" Extra Strength Porous Non Reinforced Concrete Drainage Pipe	60.13	27.82
For >1,000, Deduct	-3.01	



	Utilities	33
	Stormwater Utilities	33 40
	Subdrainage	33 41

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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 41 16 00-0023 Standard Strength Porous Non Reinforced Concrete Drainage Piping, C654 <small>(33 41 16)</small>		
33 41 16 00-0024 LF 6" Standard Strength Porous Non Reinforced Concrete Drainage Pipe 14.65	14.65	4.64
For >1,000, Deduct	-0.73	
33 41 16 00-0025 LF 8" Standard Strength Porous Non Reinforced Concrete Drainage Pipe 18.55	18.55	5.41
For >1,000, Deduct	-0.93	
33 41 16 00-0026 LF 10" Standard Strength Porous Non Reinforced Concrete Drainage Pipe 23.62	23.62	6.18
For >1,000, Deduct	-1.18	
33 41 16 00-0027 LF 12" Standard Strength Porous Non Reinforced Concrete Drainage Pipe 34.58	34.58	12.37
For >1,000, Deduct	-1.73	
33 41 16 00-0028 LF 15" Standard Strength Porous Non Reinforced Concrete Drainage Pipe 39.46	39.46	13.91
For >1,000, Deduct	-1.97	
33 41 16 00-0029 LF 18" Standard Strength Porous Non Reinforced Concrete Drainage Pipe 50.89	50.89	17.77
For >1,000, Deduct	-2.54	
33 41 16 00-0030 Perforated Vitrified Clay Drainage Piping, C700 <small>(33 41 16)</small>		
33 41 16 00-0031 LF 4" Perforated Vitrified Clay Drainage Pipe 12.84	12.84	6.18
33 41 16 00-0032 LF 6" Perforated Vitrified Clay Drainage Pipe 16.85	16.85	6.18
33 41 16 00-0033 LF 8" Perforated Vitrified Clay Drainage Pipe 19.57	19.57	6.18
33 41 16 00-0034 LF 10" Perforated Vitrified Clay Drainage Pipe 24.09	24.09	6.18
33 41 16 00-0035 LF 12" Perforated Vitrified Clay Drainage Pipe 28.95	28.95	6.18
33 41 16 00-0036 Geotextile Filter Fabric Sock <small>(33 41 16)</small>		
33 41 16 00-0037 LF 3" Geotextile Filter Fabric Sock 0.56	0.56	
33 41 16 00-0038 LF 4" Geotextile Filter Fabric Sock 0.73	0.73	
33 41 16 00-0039 LF 6" Geotextile Filter Fabric Sock 1.11	1.11	
33 41 16 00-0040 LF 8" Geotextile Filter Fabric Sock 1.49	1.49	
33 41 16 00-0041 LF 10" Geotextile Filter Fabric Sock 2.14	2.14	
33 41 16 00-0042 LF 12" Geotextile Filter Fabric Sock 2.87	2.87	
33 41 16 00-0043 LF 15" Geotextile Filter Fabric Sock 3.35	3.35	
33 41 16 00-0044 Strip-Perforated, Galvanized, Corrugated Steel Pipe <small>(33 41 16)</small>		
Note: Perforations are located in the bottom quarter points of the pipe.		
33 41 16 00-0045 LF 6" Diameter, 16 Gauge, Strip-Perforated, Galvanized, Corrugated Steel Pipe 15.73	15.73	4.64
For Full Perforated, Add	0.65	
33 41 16 00-0046 LF 8" Diameter, 16 Gauge, Strip-Perforated, Galvanized, Corrugated Steel Pipe 19.74	19.74	5.62
For Full Perforated, Add	0.85	
33 41 16 00-0047 LF 10" Diameter, 16 Gauge, Strip-Perforated, Galvanized, Corrugated Steel Pipe 24.92	24.92	7.14
For Full Perforated, Add	1.07	
33 41 16 00-0048 LF 12" Diameter, 16 Gauge, Strip-Perforated, Galvanized, Corrugated Steel Pipe 28.01	28.01	8.43
For Full Perforated, Add	1.12	
33 41 16 00-0049 LF 15" Diameter, 16 Gauge, Strip-Perforated, Galvanized, Corrugated Steel Pipe 31.47	31.47	8.73
For Full Perforated, Add	1.40	
33 41 16 00-0050 LF 18" Diameter, 16 Gauge, Strip-Perforated, Galvanized, Corrugated Steel Pipe 35.01	35.01	9.05
For Full Perforated, Add	1.69	
33 41 16 00-0051 LF 21" Diameter, 16 Gauge, Strip-Perforated, Galvanized, Corrugated Steel Pipe 39.06	39.06	9.47
For Full Perforated, Add	2.01	
33 41 16 00-0052 Strip-Perforated, Aluminized Type 2, Corrugated Steel Pipe <small>(33 41 16)</small>		
Note: Perforations are located in the bottom quarter points of the pipe.		
33 41 16 00-0053 LF 6" Diameter, 16 Gauge, Strip-Perforated, Aluminized Type 2, Corrugated Steel Pipe 16.77	16.77	4.64
For Full Perforated, Add	0.75	
33 41 16 00-0054 LF 8" Diameter, 16 Gauge, Strip-Perforated, Aluminized Type 2, Corrugated Steel Pipe 21.15	21.15	5.62
For Full Perforated, Add	0.99	
33 41 16 00-0055 LF 10" Diameter, 16 Gauge, Strip-Perforated, Aluminized Type 2, Corrugated Steel Pipe 26.63	26.63	7.14
For Full Perforated, Add	1.24	
33 41 16 00-0056 LF 12" Diameter, 16 Gauge, Strip-Perforated, Aluminized Type 2, Corrugated Steel Pipe 29.68	29.68	8.43
For Full Perforated, Add	1.28	
33 41 16 00-0057 LF 15" Diameter, 16 Gauge, Strip-Perforated, Aluminized Type 2, Corrugated Steel Pipe 33.53	33.53	8.73
For Full Perforated, Add	1.61	
33 41 16 00-0058 LF 18" Diameter, 16 Gauge, Strip-Perforated, Aluminized Type 2, Corrugated Steel Pipe 37.45	37.45	9.05
For Full Perforated, Add	1.94	
33 41 16 00-0059 LF 21" Diameter, 16 Gauge, Strip-Perforated, Aluminized Type 2, Corrugated Steel Pipe 41.92	41.92	9.47
For Full Perforated, Add	2.30	
33 41 16 00-0060 Strip-Perforated, Corrugated Aluminum Pipe <small>(33 41 16)</small>		
Note: Perforations are located in the bottom quarter points of the pipe.		
33 41 16 00-0061 LF 6" Diameter, 16 Gauge, Strip-Perforated, Corrugated Aluminum Pipe 17.10	17.10	4.64
For Full Perforated, Add	0.78	
33 41 16 00-0062 LF 8" Diameter, 16 Gauge, Strip-Perforated, Corrugated Aluminum Pipe 21.58	21.58	5.62
For Full Perforated, Add	1.03	
33 41 16 00-0063 LF 10" Diameter, 16 Gauge, Strip-Perforated, Corrugated Aluminum Pipe 27.18	27.18	7.14
For Full Perforated, Add	1.29	
33 41 16 00-0064 LF 12" Diameter, 16 Gauge, Strip-Perforated, Corrugated Aluminum Pipe 33.79	33.79	8.43
For Full Perforated, Add	1.69	

33	Utilities
33 40	Stormwater Utilities
33 41	Subdrainage



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 41 16 00-0065 LF 15" Diameter, 16 Gauge, Strip-Perforated, Corrugated Aluminum Pipe	38.65	8.73
For Full Perforated, Add	2.12	
33 41 16 00-0066 LF 18" Diameter, 16 Gauge, Strip-Perforated, Corrugated Aluminum Pipe	43.67	9.05
For Full Perforated, Add	2.56	
33 41 16 00-0067 LF 21" Diameter, 16 Gauge, Strip-Perforated, Corrugated Aluminum Pipe	49.16	9.47
For Full Perforated, Add	3.02	
33 41 16 00-0068 Prefabricated Composite Drains (33 41 16)		
33 41 16 00-0069 Panel-Shaped, Oblong Corrugated HDPE Drainage Pipe (ADS AdvanEDGE)		
(33 41 16 00-0068)		
Note: Excludes excavation and backfill. See CSI section 31 23 16 13-0000 for excavation and backfill.		
33 41 16 00-0070 LF 12" Height, Panel-Shaped, Oblong Corrugated HDPE Drainage Pipe (ADS AdvanEDGE).....	6.84	1.74
For External Typar Geotextile Wrap, Add	1.05	
33 41 16 00-0071 EA Coupler For 12" Height, Panel-Shaped, Oblong Corrugated HDPE Drainage Pipe (ADS AdvanEDGE).....	29.98	
33 41 16 00-0072 EA End Cap For 12" Height, Panel-Shaped, Oblong Corrugated HDPE Drainage Pipe (ADS AdvanEDGE)	29.98	
33 41 16 00-0073 EA Side Outlet For 12" Height, Panel-Shaped, Oblong Corrugated HDPE Drainage Pipe (ADS AdvanEDGE).....	54.40	
33 41 16 00-0074 EA End Outlet For 12" Height, Panel-Shaped, Oblong Corrugated HDPE Drainage Pipe (ADS AdvanEDGE)	54.40	
33 41 16 00-0075 LF 18" Height, Panel-Shaped, Oblong Corrugated HDPE Drainage Pipe (ADS AdvanEDGE).....	10.56	2.18
For External Typar Geotextile Wrap, Add	1.58	
33 41 16 00-0076 EA Coupler For 18" Height, Panel-Shaped, Oblong Corrugated HDPE Drainage Pipe (ADS AdvanEDGE).....	42.52	
33 41 16 00-0077 EA End Cap For 18" Height, Panel-Shaped, Oblong Corrugated HDPE Drainage Pipe (ADS AdvanEDGE)	42.52	
33 41 16 00-0078 EA Side Outlet For 18" Height, Panel-Shaped, Oblong Corrugated HDPE Drainage Pipe (ADS AdvanEDGE).....	59.43	
33 41 16 00-0079 EA End Outlet For 18" Height, Panel-Shaped, Oblong Corrugated HDPE Drainage Pipe (ADS AdvanEDGE)	59.43	
33 41 19 Underslab Drainage (33 41)		
33 41 19 00-0001 Capillary Water Barrier Underslab Drainage (33 41 19)		
Note: Consists of a layer of fine granular material overlying a coarse layer.		
33 41 19 00-0002 CY 2" Stone Capillary Water Barrier (Compacted Thickness) Underslab Drainage.....	57.68	
33 41 19 00-0003 CY 4" Stone Capillary Water Barrier (Compacted Thickness) Underslab Drainage.....	55.62	
33 41 19 00-0004 CY 6" Stone Capillary Water Barrier (Compacted Thickness) Underslab Drainage.....	54.80	
33 41 19 00-0005 CY 8" Stone Capillary Water Barrier (Compacted Thickness) Underslab Drainage.....	53.56	
33 42 Stormwater Conveyance (33 42)		
Note: Piping includes hydrostatic testing, disinfecting and warning tape. See CSI section 31 23 16 00-0000 for excavation, 31 23 16 36-0016 for backfill.		
33 42 11 Stormwater Gravity Piping (33 42)		
33 42 11 00-0001 Reinforced Concrete Piping (33 42 11)		
33 42 11 00-0002 Class 3 Reinforced Concrete Pipe Without Gaskets (33 42 11 00-0001)		
33 42 11 00-0003 LF 12" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets.....	34.46	12.98
For >1,000, Deduct	-1.72	
For Class 4, Add	1.51	
For Class 5, Add	4.78	
33 42 11 00-0004 LF 15" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets.....	41.01	14.44
For >1,000, Deduct	-2.05	
For Class 4, Add	1.94	
For Class 5, Add	6.11	
33 42 11 00-0005 LF 18" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets.....	47.17	18.01
For >1,000, Deduct	-2.36	
For Class 4, Add	2.04	
For Class 5, Add	6.43	
33 42 11 00-0006 LF 21" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets.....	60.31	22.72
For >1,000, Deduct	-3.02	
For Class 4, Add	2.65	
For Class 5, Add	8.36	
33 42 11 00-0007 LF 24" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets.....	70.94	27.59
For >1,000, Deduct	-3.55	
For Class 4, Add	3.00	
For Class 5, Add	9.46	
33 42 11 00-0008 LF 27" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets.....	88.55	34.13
For >1,000, Deduct	-4.43	
For Class 4, Add	3.78	
For Class 5, Add	11.94	
33 42 11 00-0009 LF 30" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets.....	93.99	35.25
For >1,000, Deduct	-4.70	
For Class 4, Add	4.09	
For Class 5, Add	12.91	
33 42 11 00-0010 LF 36" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets.....	115.00	40.06
For >1,000, Deduct	-5.75	
For Class 4, Add	5.55	
For Class 5, Add	17.51	
33 42 11 00-0011 LF 42" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets.....	146.78	44.05
For >1,000, Deduct	-7.34	
For Class 4, Add	8.02	
For Class 5, Add	25.34	



Utilities	33	CS
Stormwater Utilities	33 40	
Stormwater Conveyance	33 42	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0012	LF		48" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets.....	174.85	49.07
			<i>For >1,000, Deduct</i>	-8.74	
			<i>For Class 4, Add</i>	9.95	
			<i>For Class 5, Add</i>	31.43	
33 42 11 00-0013	LF		54" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets.....	216.13	56.08
			<i>For >1,000, Deduct</i>	-10.81	
			<i>For Class 4, Add</i>	12.92	
			<i>For Class 5, Add</i>	40.81	
33 42 11 00-0014	LF		60" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets.....	260.22	65.04
			<i>For >1,000, Deduct</i>	-13.01	
			<i>For Class 4, Add</i>	15.89	
			<i>For Class 5, Add</i>	50.19	
33 42 11 00-0015	LF		66" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets.....	392.77	72.10
			<i>For >1,000, Deduct</i>	-19.64	
			<i>For Class 4, Add</i>	27.57	
			<i>For Class 5, Add</i>	87.07	
33 42 11 00-0016	LF		72" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets.....	456.70	78.50
			<i>For >1,000, Deduct</i>	-22.84	
			<i>For Class 4, Add</i>	32.73	
			<i>For Class 5, Add</i>	103.37	
33 42 11 00-0017	LF		78" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets.....	547.42	88.12
			<i>For >1,000, Deduct</i>	-27.37	
			<i>For Class 4, Add</i>	40.02	
			<i>For Class 5, Add</i>	126.38	
33 42 11 00-0018	LF		84" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets.....	700.59	98.13
			<i>For >1,000, Deduct</i>	-35.03	
			<i>For Class 4, Add</i>	53.24	
			<i>For Class 5, Add</i>	168.12	
33 42 11 00-0019			HE-I Elliptical Reinforced Concrete Piping Without Gaskets <small>(33 42 11 00-0001)</small>		
33 42 11 00-0020	LF		18" x 12" Elliptical Reinforced Concrete Pipe Without Gaskets (15" Diameter Equivalent Round Size).....	52.40	19.92
			<i>For >1,000, Deduct</i>	-2.62	
			<i>For Horizontal Elliptical - II (HE- II), Add</i>	2.40	
			<i>For Horizontal Elliptical - III (HE- III), Add</i>	5.27	
			<i>For Horizontal Elliptical - IV (HE- IV), Add</i>	11.50	
33 42 11 00-0021	LF		23" x 14" Elliptical Reinforced Concrete Pipe Without Gaskets (18" Diameter Equivalent Round Size).....	80.61	23.95
			<i>For >1,000, Deduct</i>	-4.03	
			<i>For Horizontal Elliptical - II (HE- II), Add</i>	4.64	
			<i>For Horizontal Elliptical - III (HE- III), Add</i>	10.21	
			<i>For Horizontal Elliptical - IV (HE- IV), Add</i>	22.27	
33 42 11 00-0022	LF		30" x 19" Elliptical Reinforced Concrete Pipe Without Gaskets (24" Diameter Equivalent Round Size).....	113.11	36.69
			<i>For >1,000, Deduct</i>	-5.66	
			<i>For Horizontal Elliptical - II (HE- II), Add</i>	6.07	
			<i>For Horizontal Elliptical - III (HE- III), Add</i>	13.35	
			<i>For Horizontal Elliptical - IV (HE- IV), Add</i>	29.13	
33 42 11 00-0023	LF		34" x 22" Elliptical Reinforced Concrete Pipe Without Gaskets (27" Diameter Equivalent Round Size).....	132.71	45.40
			<i>For >1,000, Deduct</i>	-6.64	
			<i>For Horizontal Elliptical - II (HE- II), Add</i>	6.79	
			<i>For Horizontal Elliptical - III (HE- III), Add</i>	14.93	
			<i>For Horizontal Elliptical - IV (HE- IV), Add</i>	32.57	
33 42 11 00-0024	LF		38" x 24" Elliptical Reinforced Concrete Pipe Without Gaskets (30" Diameter Equivalent Round Size).....	147.26	47.43
			<i>For >1,000, Deduct</i>	-7.36	
			<i>For Horizontal Elliptical - II (HE- II), Add</i>	7.95	
			<i>For Horizontal Elliptical - III (HE- III), Add</i>	17.49	
			<i>For Horizontal Elliptical - IV (HE- IV), Add</i>	38.16	
33 42 11 00-0025	LF		42" x 27" Elliptical Reinforced Concrete Pipe Without Gaskets (33" Diameter Equivalent Round Size).....	168.21	50.09
			<i>For >1,000, Deduct</i>	-8.41	
			<i>For Horizontal Elliptical - II (HE- II), Add</i>	9.67	
			<i>For Horizontal Elliptical - III (HE- III), Add</i>	21.27	
			<i>For Horizontal Elliptical - IV (HE- IV), Add</i>	46.40	
33 42 11 00-0026	LF		45" x 29" Elliptical Reinforced Concrete Pipe Without Gaskets (36" Diameter Equivalent Round Size).....	189.18	52.73
			<i>For >1,000, Deduct</i>	-9.46	
			<i>For Horizontal Elliptical - II (HE- II), Add</i>	11.39	
			<i>For Horizontal Elliptical - III (HE- III), Add</i>	25.05	
			<i>For Horizontal Elliptical - IV (HE- IV), Add</i>	54.65	
33 42 11 00-0027	LF		53" x 34" Elliptical Reinforced Concrete Pipe Without Gaskets (42" Diameter Equivalent Round Size).....	229.34	58.03
			<i>For >1,000, Deduct</i>	-11.47	
			<i>For Horizontal Elliptical - II (HE- II), Add</i>	14.65	
			<i>For Horizontal Elliptical - III (HE- III), Add</i>	32.22	
			<i>For Horizontal Elliptical - IV (HE- IV), Add</i>	70.30	
33 42 11 00-0028	LF		60" x 38" Elliptical Reinforced Concrete Pipe Without Gaskets (48" Diameter Equivalent Round Size).....	275.45	65.25
			<i>For >1,000, Deduct</i>	-13.77	
			<i>For Horizontal Elliptical - II (HE- II), Add</i>	18.22	
			<i>For Horizontal Elliptical - III (HE- III), Add</i>	40.09	
			<i>For Horizontal Elliptical - IV (HE- IV), Add</i>	87.47	
33 42 11 00-0029	LF		68" x 43" Elliptical Reinforced Concrete Pipe Without Gaskets (54" Diameter Equivalent Round Size).....	334.32	74.58
			<i>For >1,000, Deduct</i>	-16.72	
			<i>For Horizontal Elliptical - II (HE- II), Add</i>	22.78	
			<i>For Horizontal Elliptical - III (HE- III), Add</i>	50.11	
			<i>For Horizontal Elliptical - IV (HE- IV), Add</i>	109.33	
33 42 11 00-0030	LF		76" x 48" Elliptical Reinforced Concrete Pipe Without Gaskets (60" Diameter Equivalent Round Size).....	413.61	86.52
			<i>For >1,000, Deduct</i>	-20.68	
			<i>For Horizontal Elliptical - II (HE- II), Add</i>	29.00	
			<i>For Horizontal Elliptical - III (HE- III), Add</i>	63.81	
			<i>For Horizontal Elliptical - IV (HE- IV), Add</i>	139.21	

33 Utilities**33 40 Stormwater Utilities****33 42 Stormwater Conveyance**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0031 Concrete Reducing Wye Without Gaskets (33 42 11 00-0001)		
33 42 11 00-0032 EA 12" Concrete Reducing Wye Without Gaskets.....	386.06	49.46
33 42 11 00-0033 EA 15" Concrete Reducing Wye Without Gaskets.....	463.31	60.27
33 42 11 00-0034 EA 18" Concrete Reducing Wye Without Gaskets.....	569.95	66.45
33 42 11 00-0035 EA 21" Concrete Reducing Wye Without Gaskets.....	656.02	81.91
33 42 11 00-0036 EA 24" Concrete Reducing Wye Without Gaskets.....	743.32	98.91
33 42 11 00-0037 Concrete Pipe Joint Gaskets (33 42 11 00-0001)		
33 42 11 00-0038 EA 12" Diameter Concrete Pipe Joint Gasket.....	3.53	
33 42 11 00-0039 EA 15" Diameter Concrete Pipe Joint Gasket.....	4.18	
33 42 11 00-0040 EA 18" Diameter Concrete Pipe Joint Gasket.....	4.84	
33 42 11 00-0041 EA 21" Diameter Concrete Pipe Joint Gasket.....	5.85	
33 42 11 00-0042 EA 24" Diameter Concrete Pipe Joint Gasket.....	6.85	
33 42 11 00-0043 EA 27" Diameter Concrete Pipe Joint Gasket.....	7.63	
33 42 11 00-0044 EA 30" Diameter Concrete Pipe Joint Gasket.....	8.39	
33 42 11 00-0045 EA 36" Diameter Concrete Pipe Joint Gasket.....	10.25	
33 42 11 00-0046 EA 42" Diameter Concrete Pipe Joint Gasket.....	11.88	
33 42 11 00-0047 EA 48" Diameter Concrete Pipe Joint Gasket.....	13.70	
33 42 11 00-0048 EA 54" Diameter Concrete Pipe Joint Gasket.....	16.80	
33 42 11 00-0049 EA 60" Diameter Concrete Pipe Joint Gasket.....	24.86	
33 42 11 00-0050 EA 66" Diameter Concrete Pipe Joint Gasket.....	12.92	
33 42 11 00-0051 EA 72" Diameter Concrete Pipe Joint Gasket.....	26.80	
33 42 11 00-0052 EA 78" Diameter Concrete Pipe Joint Gasket.....	15.42	
33 42 11 00-0053 EA 84" Diameter Concrete Pipe Joint Gasket.....	18.49	
33 42 11 00-0054 Prestressed Concrete Cylinder Piping (33 42 11)		
33 42 11 00-0055 150 PSI Prestressed Concrete Cylinder Pipe And Fittings (33 42 11 00-0054)		
33 42 11 00-0056 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets (33 42 11 00-0055)		
Note: Lined-cylinder pipe (AWWA C301) up to 48". Embedded-cylinder pipe (AWWA C301) >48".		
33 42 11 00-0057 LF 12" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets.....	87.12	12.98
For >1,000, Deduct	-4.36	
For 100 PSI, Deduct	-17.15	
33 42 11 00-0058 LF 15" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets.....	93.18	14.44
For >1,000, Deduct	-4.66	
For 100 PSI, Deduct	-18.14	
33 42 11 00-0059 LF 18" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets.....	102.25	18.01
For >1,000, Deduct	-5.11	
For 100 PSI, Deduct	-19.13	
33 42 11 00-0060 LF 21" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets.....	112.94	22.72
For >1,000, Deduct	-5.65	
For 100 PSI, Deduct	-20.12	
33 42 11 00-0061 LF 24" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets.....	123.87	27.59
For >1,000, Deduct	-6.19	
For 100 PSI, Deduct	-21.12	
33 42 11 00-0062 LF 30" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets.....	145.52	35.25
For >1,000, Deduct	-7.28	
For 100 PSI, Deduct	-23.64	
33 42 11 00-0063 LF 36" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets.....	161.30	40.06
For >1,000, Deduct	-8.07	
For 100 PSI, Deduct	-26.17	
33 42 11 00-0064 LF 42" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets.....	186.48	44.05
For >1,000, Deduct	-9.32	
For 100 PSI, Deduct	-31.04	
33 42 11 00-0065 LF 48" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets.....	213.74	49.07
For >1,000, Deduct	-10.69	
For 100 PSI, Deduct	-35.91	
33 42 11 00-0066 LF 54" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets.....	281.46	62.61
For >1,000, Deduct	-14.07	
For 100 PSI, Deduct	-48.01	
33 42 11 00-0067 LF 60" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets.....	338.36	72.63
For >1,000, Deduct	-16.92	
For 100 PSI, Deduct	-58.65	
33 42 11 00-0068 LF 66" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets.....	379.77	80.49
For >1,000, Deduct	-18.99	
For 100 PSI, Deduct	-66.32	
33 42 11 00-0069 LF 72" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets.....	423.00	87.65
For >1,000, Deduct	-21.15	
For 100 PSI, Deduct	-74.45	
33 42 11 00-0070 LF 78" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets.....	480.15	98.38
For >1,000, Deduct	-24.01	
For 100 PSI, Deduct	-84.82	
33 42 11 00-0071 LF 84" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets.....	537.31	109.57
For >1,000, Deduct	-26.87	
For 100 PSI, Deduct	-95.20	
33 42 11 00-0072 LF 90" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets.....	661.60	127.90
For >1,000, Deduct	-33.08	
For 100 PSI, Deduct	-119.56	



Utilities	33	CS
Stormwater Utilities	33 40	
Stormwater Conveyance	33 42	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0073 LF 96" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets.....	777.15	146.05
For >1,000, Deduct	-38.86	
For 100 PSI, Deduct	-142.12	
33 42 11 00-0074 LF 102" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets.....	903.84	158.95
For >1,000, Deduct	-45.19	
For 100 PSI, Deduct	-169.19	
33 42 11 00-0075 LF 108" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets.....	1,017.16	168.80
For >1,000, Deduct	-50.86	
For 100 PSI, Deduct	-194.01	
33 42 11 00-0076 LF 114" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets.....	1,220.71	178.64
For >1,000, Deduct	-61.04	
For 100 PSI, Deduct	-241.38	
33 42 11 00-0077 LF 120" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets.....	1,414.05	187.65
For >1,000, Deduct	-70.70	
For 100 PSI, Deduct	-286.50	
33 42 11 00-0078 LF 126" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets.....	1,538.82	196.67
For >1,000, Deduct	-76.94	
For 100 PSI, Deduct	-314.47	
33 42 11 00-0079 LF 132" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets.....	1,665.40	205.67
For >1,000, Deduct	-83.27	
For 100 PSI, Deduct	-342.89	
33 42 11 00-0080 LF 138" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets.....	1,791.07	214.69
For >1,000, Deduct	-89.55	
For 100 PSI, Deduct	-371.09	
33 42 11 00-0081 LF 144" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets.....	1,916.73	223.70
For >1,000, Deduct	-95.84	
For 100 PSI, Deduct	-399.29	
33 42 11 00-0082 150 PSI Prestressed Concrete Cylinder 90 Degree Elbows With Gaskets (33		
<small>42 11 00-0055)</small>		
33 42 11 00-0083 EA 12" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	335.45	121.70
33 42 11 00-0084 EA 15" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	466.83	173.86
33 42 11 00-0085 EA 18" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	604.40	231.81
33 42 11 00-0086 EA 21" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	741.95	289.77
33 42 11 00-0087 EA 24" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	905.01	360.09
33 42 11 00-0088 EA 30" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	1,153.64	482.95
33 42 11 00-0089 EA 36" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	1,410.00	560.74
33 42 11 00-0090 EA 42" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	1,642.80	654.46
33 42 11 00-0091 EA 48" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	1,854.44	747.39
33 42 11 00-0092 EA 54" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	2,287.41	933.24
33 42 11 00-0093 EA 60" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	2,987.05	1,252.17
33 42 11 00-0094 EA 66" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	3,335.29	1,386.33
33 42 11 00-0095 EA 72" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	3,683.54	1,520.50
33 42 11 00-0096 EA 78" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	4,379.67	1,744.10
33 42 11 00-0097 EA 84" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	5,070.86	1,967.70
33 42 11 00-0098 EA 90" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	5,979.35	2,236.02
33 42 11 00-0099 EA 96" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	6,882.92	2,504.35
33 42 11 00-0100 EA 102" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	9,152.26	3,195.71
33 42 11 00-0101 EA 108" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	11,347.97	3,834.84
33 42 11 00-0102 EA 114" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	14,806.63	5,113.13
33 42 11 00-0103 EA 120" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	18,204.79	6,391.41
33 42 11 00-0104 EA 126" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	20,403.23	6,893.59
33 42 11 00-0105 EA 132" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	22,605.07	7,395.77
33 42 11 00-0106 EA 138" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	28,721.90	7,897.95
33 42 11 00-0107 EA 144" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	27,051.19	8,400.13
33 42 11 00-0108 150 PSI Prestressed Concrete Cylinder 45 Degree Elbows With Gaskets (33		
<small>42 11 00-0055)</small>		
33 42 11 00-0109 EA 12" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	317.04	121.70
33 42 11 00-0110 EA 15" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	443.01	173.86
33 42 11 00-0111 EA 18" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	576.24	231.81
33 42 11 00-0112 EA 21" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	709.47	289.77
33 42 11 00-0113 EA 24" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	868.19	360.09
33 42 11 00-0114 EA 30" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	1,103.11	450.49
33 42 11 00-0115 EA 36" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	1,352.25	560.74
33 42 11 00-0116 EA 42" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	1,576.03	654.46
33 42 11 00-0117 EA 48" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	1,782.61	747.39
33 42 11 00-0118 EA 54" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	2,179.19	933.24
33 42 11 00-0119 EA 60" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	2,889.83	1,252.17
33 42 11 00-0120 EA 66" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	3,231.03	1,386.33
33 42 11 00-0121 EA 72" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	3,572.23	1,520.50
33 42 11 00-0122 EA 78" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	4,119.85	1,744.10
33 42 11 00-0123 EA 84" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	4,662.53	1,967.70
33 42 11 00-0124 EA 90" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	5,464.04	2,236.02
33 42 11 00-0125 EA 96" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	6,260.62	2,504.35
33 42 11 00-0126 EA 102" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	8,105.04	3,130.44
33 42 11 00-0127 EA 108" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	10,136.90	3,834.84
33 42 11 00-0128 EA 114" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	13,300.91	5,113.13
33 42 11 00-0129 EA 120" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	16,404.42	6,391.41
33 42 11 00-0130 EA 126" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	18,206.46	6,893.59
33 42 11 00-0131 EA 132" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	20,011.90	8,400.13

33 Utilities**33 40 Stormwater Utilities****33 42 Stormwater Conveyance**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0132 EA 138" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	21,821.65	7,897.95
33 42 11 00-0133 EA 144" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	23,878.26	8,400.13
33 42 11 00-0134 400 PSI Prestressed Concrete Cylinder Pipe With Regular Joints (33 42 11 00-0054)		
33 42 11 00-0135 400 PSI Lined Prestressed Concrete Cylinder Pipe With Regular Joints (33 42 11 00-0134)		
Note: AWWA C301		
33 42 11 00-0136 LF 30" 400 PSI Lined Prestressed Concrete Cylinder Pipe With Regular Joints.....	169.25	35.25
For >1,000, Deduct	-8.46	
33 42 11 00-0137 LF 36" 400 PSI Lined Prestressed Concrete Cylinder Pipe With Regular Joints.....	205.14	40.06
For >1,000, Deduct	-10.26	
33 42 11 00-0138 LF 42" 400 PSI Lined Prestressed Concrete Cylinder Pipe With Regular Joints.....	238.52	44.05
For >1,000, Deduct	-11.93	
33 42 11 00-0139 400 PSI Embedded Prestressed Concrete Cylinder Pipe With Regular Joints (33 42 11 00-0134)		
Note: AWWA C301		
33 42 11 00-0140 LF 48" 400 PSI Embedded Prestressed Concrete Cylinder Pipe With Regular Joints.....	318.27	49.02
For >1,000, Deduct	-15.91	
33 42 11 00-0141 LF 54" 400 PSI Embedded Prestressed Concrete Cylinder Pipe With Regular Joints.....	381.79	62.61
For >1,000, Deduct	-19.09	
33 42 11 00-0142 LF 60" 400 PSI Embedded Prestressed Concrete Cylinder Pipe With Regular Joints.....	440.26	72.63
For >1,000, Deduct	-22.01	
33 42 11 00-0143 LF 66" 400 PSI Embedded Prestressed Concrete Cylinder Pipe With Regular Joints.....	495.16	80.49
For >1,000, Deduct	-24.76	
33 42 11 00-0144 LF 72" 400 PSI Embedded Prestressed Concrete Cylinder Pipe With Regular Joints.....	596.90	87.65
For >1,000, Deduct	-29.85	
33 42 11 00-0145 Welded Joints For Prestressed Concrete Cylinder Pipe (33 42 11 00-0134)		
Note: All pipe joints to be exposed and dewatered. Internal joint welding also requires joints to be ventilated and air quality checked.		
33 42 11 00-0146 EA 30" Welded Joint For Prestressed Concrete Cylinder Pipe.....	1,149.47	
33 42 11 00-0147 EA 36" Welded Joint For Prestressed Concrete Cylinder Pipe.....	1,234.61	
33 42 11 00-0148 EA 42" Welded Joint For Prestressed Concrete Cylinder Pipe.....	1,277.18	
33 42 11 00-0149 EA 48" Welded Joint For Prestressed Concrete Cylinder Pipe.....	1,447.48	
33 42 11 00-0150 EA 54" Welded Joint For Prestressed Concrete Cylinder Pipe.....	1,490.05	
33 42 11 00-0151 EA 60" Welded Joint For Prestressed Concrete Cylinder Pipe.....	1,575.19	
33 42 11 00-0152 EA 66" Welded Joint For Prestressed Concrete Cylinder Pipe.....	1,617.77	
33 42 11 00-0153 EA 72" Welded Joint For Prestressed Concrete Cylinder Pipe.....	1,660.34	
33 42 11 00-0154 EA 30" Internal Welded Joint For Prestressed Concrete Cylinder Pipe.....	2,128.64	
33 42 11 00-0155 EA 36" Internal Welded Joint For Prestressed Concrete Cylinder Pipe.....	2,128.64	
33 42 11 00-0156 EA 42" Internal Welded Joint For Prestressed Concrete Cylinder Pipe.....	2,426.65	
33 42 11 00-0157 EA 48" Internal Welded Joint For Prestressed Concrete Cylinder Pipe.....	2,426.65	
33 42 11 00-0158 EA 54" Internal Welded Joint For Prestressed Concrete Cylinder Pipe.....	2,596.94	
33 42 11 00-0159 EA 60" Internal Welded Joint For Prestressed Concrete Cylinder Pipe.....	2,596.94	
33 42 11 00-0160 EA 66" Internal Welded Joint For Prestressed Concrete Cylinder Pipe.....	2,809.81	
33 42 11 00-0161 EA 72" Internal Welded Joint For Prestressed Concrete Cylinder Pipe.....	2,809.81	
33 42 11 00-0162 Quick Test Joints (33 42 11 00-0134)		
33 42 11 00-0163 EA 30" Quick Test Joint.....	329.67	
33 42 11 00-0164 EA 36" Quick Test Joint.....	333.68	
33 42 11 00-0165 EA 42" Quick Test Joint.....	337.69	
33 42 11 00-0166 EA 48" Quick Test Joint.....	345.35	
33 42 11 00-0167 EA 54" Quick Test Joint.....	363.56	
33 42 11 00-0168 EA 60" Quick Test Joint.....	378.60	
33 42 11 00-0169 EA 66" Quick Test Joint.....	399.73	
33 42 11 00-0170 EA 72" Quick Test Joint.....	420.86	
33 42 11 00-0171 Harnessed Joints (33 42 11 00-0134)		
33 42 11 00-0172 Harness Clamp Restrained Joints (33 42 11 00-0171)		
33 42 11 00-0173 EA 30" Harness Clamp Restrained Joint.....	2,855.72	
33 42 11 00-0174 EA 36" Harness Clamp Restrained Joint.....	2,967.10	
33 42 11 00-0175 EA 42" Harness Clamp Restrained Joint.....	3,078.48	
33 42 11 00-0176 EA 48" Harness Clamp Restrained Joint.....	3,189.85	
33 42 11 00-0177 EA 54" Harness Clamp Restrained Joint.....	3,310.56	
33 42 11 00-0178 EA 60" Harness Clamp Restrained Joint.....	3,480.56	
33 42 11 00-0179 EA 66" Harness Clamp Restrained Joint.....	3,596.88	
33 42 11 00-0180 EA 72" Harness Clamp Restrained Joint.....	3,852.78	
33 42 11 00-0181 Snap Ring Restrained Joints (33 42 11 00-0171)		
33 42 11 00-0182 EA 30" Snap Ring Restrained Joint.....	493.56	
33 42 11 00-0183 EA 36" Snap Ring Restrained Joint.....	561.99	
33 42 11 00-0184 EA 42" Snap Ring Restrained Joint.....	748.54	
33 42 11 00-0185 EA 48" Snap Ring Restrained Joint.....	849.17	



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MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0186	EA		54" Snap Ring Restrained Joint.....	959.14	
33 42 11 00-0187	EA		60" Snap Ring Restrained Joint.....	1,086.20	
33 42 11 00-0188	EA		66" Snap Ring Restrained Joint.....	1,202.51	
33 42 11 00-0189	EA		72" Snap Ring Restrained Joint.....	1,340.31	
33 42 11 00-0190			Pipe Repairs (33 42 11 00-0134) Note: For repair of damaged or defective lined or embedded cylinder concrete pipe. Includes 2 concrete adapters, MJDI sleeve, 20' pipe.		
33 42 11 00-0191			Lined Cylinder Pipe Repair (33 42 11 00-0190)		
33 42 11 00-0192	EA		30" Lined Cylinder Pipe Repair.....	5,064.55	
33 42 11 00-0193	EA		36" Lined Cylinder Pipe Repair.....	6,279.23	
33 42 11 00-0194	EA		42" Lined Cylinder Pipe Repair.....	6,612.94	
33 42 11 00-0195			Embedded Cylinder Pipe Repair (33 42 11 00-0190) Note: Field welded concrete enclosure assembly with concrete pipe.		
33 42 11 00-0196	EA		48" Embedded Cylinder Pipe Repair.....	9,667.56	
33 42 11 00-0197	EA		54" Embedded Cylinder Pipe Repair.....	11,201.59	
33 42 11 00-0198	EA		60" Embedded Cylinder Pipe Repair.....	12,749.08	
33 42 11 00-0199	EA		66" Embedded Cylinder Pipe Repair.....	14,400.93	
33 42 11 00-0200	EA		72" Embedded Cylinder Pipe Repair.....	17,234.33	
33 42 11 00-0201			High Density Polyethylene (HDPE) Drainage Piping (33 42 11)		
33 42 11 00-0202			Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Piping (33 42 11 00-0201) Note: Excludes couplings and gaskets.		
33 42 11 00-0203			Coupled, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Piping (33 42 11 00-0202)		
33 42 11 00-0204	LF		4" Coupled, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe.....	11.35	5.25
			For <100, Add	2.10	
			For >1,000, Deduct	-0.57	
33 42 11 00-0205	LF		6" Coupled, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe.....	14.39	6.10
			For <100, Add	2.44	
			For >1,000, Deduct	-0.72	
33 42 11 00-0206	LF		8" Coupled, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe.....	17.45	7.09
			For <100, Add	2.84	
			For >1,000, Deduct	-0.87	
33 42 11 00-0207	LF		10" Coupled, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe.....	19.39	7.34
			For <100, Add	2.94	
			For >1,000, Deduct	-0.97	
33 42 11 00-0208	LF		12" Coupled, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe.....	20.30	7.60
			For <100, Add	3.04	
			For >1,000, Deduct	-1.02	
33 42 11 00-0209	LF		15" Coupled, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe.....	22.60	7.87
			For <100, Add	3.15	
			For >1,000, Deduct	-1.13	
33 42 11 00-0210	LF		18" Coupled, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe.....	26.53	8.16
			For <100, Add	3.26	
			For >1,000, Deduct	-1.33	
33 42 11 00-0211	LF		24" Coupled, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe.....	35.38	9.56
			For <100, Add	3.82	
			For >1,000, Deduct	-1.77	
33 42 11 00-0212	LF		30" Coupled, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe.....	49.76	12.87
			For <100, Add	5.15	
			For >1,000, Deduct	-2.49	
33 42 11 00-0213	LF		36" Coupled, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe.....	65.00	16.27
			For <100, Add	6.51	
			For >1,000, Deduct	-3.25	
33 42 11 00-0214			Bell And Spigot, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Piping (33 42 11 00-0202)		
33 42 11 00-0215	LF		12" Bell And Spigot, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe.....	20.21	7.60
			For <100, Add	3.04	
			For >1,000, Deduct	-1.01	
33 42 11 00-0216	LF		15" Bell And Spigot, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe.....	22.96	7.87
			For <100, Add	3.15	
			For >1,000, Deduct	-1.15	
33 42 11 00-0217	LF		18" Bell And Spigot, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe.....	27.07	8.16
			For <100, Add	3.26	
			For >1,000, Deduct	-1.35	
33 42 11 00-0218	LF		24" Bell And Spigot, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe.....	36.23	9.56
			For <100, Add	3.82	
			For >1,000, Deduct	-1.81	
33 42 11 00-0219	LF		30" Bell And Spigot, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe.....	52.10	12.87
			For <100, Add	5.15	
			For >1,000, Deduct	-2.61	

33 Utilities**33 40 Stormwater Utilities****33 42 Stormwater Conveyance**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0220 LF 36" Bell And Spigot, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe <i>For <100, Add</i> <i>For >1,000, Deduct</i>	66.74 6.51 -3.34	16.27
33 42 11 00-0221 LF 42" Bell And Spigot, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe <i>For <100, Add</i> <i>For >1,000, Deduct</i>	84.88 7.10 -4.24	17.74
33 42 11 00-0222 LF 48" Bell And Spigot, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe <i>For <100, Add</i> <i>For >1,000, Deduct</i>	92.97 8.01 -4.65	20.01
33 42 11 00-0223 Single Wall, Corrugated High Density Polyethylene (HDPE) Piping <small>(33 42 11 00-0201)</small> Note: Excludes couplings and gaskets.		
33 42 11 00-0224 Coupled, Single Wall, Corrugated High Density Polyethylene (HDPE) Piping <small>(33 42 11 00-0223)</small>		
33 42 11 00-0225 LF 4" Coupled, Single Wall, Corrugated High Density Polyethylene (HDPE) Pipe <i>For <100, Add</i> <i>For >1,000, Deduct</i>	11.02 2.10 -0.55	5.25
33 42 11 00-0226 LF 6" Coupled, Single Wall, Corrugated High Density Polyethylene (HDPE) Pipe <i>For <100, Add</i> <i>For >1,000, Deduct</i>	13.38 2.44 -0.67	6.10
33 42 11 00-0227 LF 8" Coupled, Single Wall, Corrugated High Density Polyethylene (HDPE) Pipe <i>For <100, Add</i> <i>For >1,000, Deduct</i>	16.26 2.84 -0.81	7.09
33 42 11 00-0228 LF 10" Coupled, Single Wall, Corrugated High Density Polyethylene (HDPE) Pipe <i>For <100, Add</i> <i>For >1,000, Deduct</i>	18.52 2.94 -0.93	7.34
33 42 11 00-0229 LF 12" Coupled, Single Wall, Corrugated High Density Polyethylene (HDPE) Pipe <i>For <100, Add</i> <i>For >1,000, Deduct</i>	19.97 3.04 -1.00	7.60
33 42 11 00-0230 LF 15" Coupled, Single Wall, Corrugated High Density Polyethylene (HDPE) Pipe <i>For <100, Add</i> <i>For >1,000, Deduct</i>	22.70 3.15 -1.14	7.87
33 42 11 00-0231 LF 18" Coupled, Single Wall, Corrugated High Density Polyethylene (HDPE) Pipe <i>For <100, Add</i> <i>For >1,000, Deduct</i>	27.20 3.26 -1.36	8.16
33 42 11 00-0232 LF 24" Coupled, Single Wall, Corrugated High Density Polyethylene (HDPE) Pipe <i>For <100, Add</i> <i>For >1,000, Deduct</i>	36.11 3.82 -1.81	9.56
33 42 11 00-0233 Perforated, Corrugated High Density Polyethylene (HDPE) Piping <small>(33 42 11 00-0201)</small> Note: Excludes couplings and gaskets.		
33 42 11 00-0234 Coupled, Perforated, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Piping <small>(33 42 11 00-0233)</small>		
33 42 11 00-0235 LF 4" Coupled, Perforated, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe <i>For <100, Add</i> <i>For >1,000, Deduct</i>	11.80 2.10 -0.59	5.25
33 42 11 00-0236 LF 6" Coupled, Perforated, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe <i>For <100, Add</i> <i>For >1,000, Deduct</i>	14.40 2.44 -0.72	6.10
33 42 11 00-0237 LF 8" Coupled, Perforated, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe <i>For <100, Add</i> <i>For >1,000, Deduct</i>	17.45 2.84 -0.87	7.09
33 42 11 00-0238 LF 10" Coupled, Perforated, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe <i>For <100, Add</i> <i>For >1,000, Deduct</i>	19.40 2.94 -0.97	7.34
33 42 11 00-0239 LF 12" Coupled, Perforated, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe <i>For <100, Add</i> <i>For >1,000, Deduct</i>	20.30 3.04 -1.02	7.60
33 42 11 00-0240 LF 15" Coupled, Perforated, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe <i>For <100, Add</i> <i>For >1,000, Deduct</i>	22.61 3.15 -1.13	7.87
33 42 11 00-0241 LF 18" Coupled, Perforated, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe <i>For <100, Add</i> <i>For >1,000, Deduct</i>	26.54 3.26 -1.33	8.16
33 42 11 00-0242 LF 24" Coupled, Perforated, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe <i>For <100, Add</i> <i>For >1,000, Deduct</i>	35.38 3.82 -1.77	9.56
33 42 11 00-0243 LF 30" Coupled, Perforated, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe <i>For <100, Add</i> <i>For >1,000, Deduct</i>	49.91 5.15 -2.50	12.87
33 42 11 00-0244 LF 36" Coupled, Perforated, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe <i>For <100, Add</i> <i>For >1,000, Deduct</i>	65.00 6.51 -3.25	16.27
33 42 11 00-0245 Bell And Spigot, Perforated, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Piping <small>(33 42 11 00-0233)</small>		



Utilities	33	CS
Stormwater Utilities	33 40	
Stormwater Conveyance	33 42	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0246 LF 12" Bell And Spigot, Perforated, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe.....	20.23	7.60
For <100, Add	3.04	
For >1,000, Deduct	-1.01	
33 42 11 00-0247 LF 15" Bell And Spigot, Perforated, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe.....	22.97	7.87
For <100, Add	3.15	
For >1,000, Deduct	-1.15	
33 42 11 00-0248 LF 18" Bell And Spigot, Perforated, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe.....	27.08	8.16
For <100, Add	3.26	
For >1,000, Deduct	-1.35	
33 42 11 00-0249 LF 24" Bell And Spigot, Perforated, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe.....	36.23	9.56
For <100, Add	3.82	
For >1,000, Deduct	-1.81	
33 42 11 00-0250 LF 30" Bell And Spigot, Perforated, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe.....	52.10	12.87
For <100, Add	5.15	
For >1,000, Deduct	-2.61	
33 42 11 00-0251 LF 36" Bell And Spigot, Perforated, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe.....	66.74	16.27
For <100, Add	6.51	
For >1,000, Deduct	-3.34	
33 42 11 00-0252 LF 42" Bell And Spigot, Perforated, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe.....	84.88	17.74
For <100, Add	7.10	
For >1,000, Deduct	-4.24	
33 42 11 00-0253 LF 48" Bell And Spigot, Perforated, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe.....	92.97	20.01
For <100, Add	8.01	
For >1,000, Deduct	-4.65	
33 42 11 00-0254 Coupled, Perforated, Single Wall, Corrugated High Density Polyethylene (HDPE) Piping <small>(33 42 11 00-0233)</small>		
33 42 11 00-0255 LF 4" Coupled, Perforated, Single Wall, Corrugated High Density Polyethylene (HDPE) Pipe.....	11.30	5.25
For <100, Add	2.10	
For >1,000, Deduct	-0.57	
33 42 11 00-0256 LF 6" Coupled, Perforated, Single Wall, Corrugated High Density Polyethylene (HDPE) Pipe.....	13.38	6.10
For <100, Add	2.44	
For >1,000, Deduct	-0.67	
33 42 11 00-0257 LF 8" Coupled, Perforated, Single Wall, Corrugated High Density Polyethylene (HDPE) Pipe.....	16.20	7.09
For <100, Add	2.84	
For >1,000, Deduct	-0.81	
33 42 11 00-0258 LF 10" Coupled, Perforated, Single Wall, Corrugated High Density Polyethylene (HDPE) Pipe.....	18.52	7.34
For <100, Add	2.94	
For >1,000, Deduct	-0.93	
33 42 11 00-0259 LF 12" Coupled, Perforated, Single Wall, Corrugated High Density Polyethylene (HDPE) Pipe.....	19.97	7.60
For <100, Add	3.04	
For >1,000, Deduct	-1.00	
33 42 11 00-0260 LF 15" Coupled, Perforated, Single Wall, Corrugated High Density Polyethylene (HDPE) Pipe.....	22.70	7.87
For <100, Add	3.15	
For >1,000, Deduct	-1.14	
33 42 11 00-0261 LF 18" Coupled, Perforated, Single Wall, Corrugated High Density Polyethylene (HDPE) Pipe.....	27.20	8.16
For <100, Add	3.26	
For >1,000, Deduct	-1.36	
33 42 11 00-0262 LF 24" Coupled, Perforated, Single Wall, Corrugated High Density Polyethylene (HDPE) Pipe.....	36.11	9.56
For <100, Add	3.82	
For >1,000, Deduct	-1.81	
33 42 11 00-0263 Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe Fittings <small>(33 42 11 00-0201)</small>		
Note: Excludes couplings and gaskets.		
33 42 11 00-0264 Tees, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) <small>(33 42 11 00-0263)</small>		
33 42 11 00-0265 EA 4" Tee, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE).....	35.50	20.86
33 42 11 00-0266 EA 6" Tee, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE).....	42.27	24.34
33 42 11 00-0267 EA 8" Tee, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE).....	56.11	29.56
33 42 11 00-0268 EA 10" Tee, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE).....	74.93	36.51
33 42 11 00-0269 EA 12" Tee, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE).....	100.63	43.47
33 42 11 00-0270 EA 15" Tee, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE).....	136.36	56.80
33 42 11 00-0271 EA 18" Tee, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE).....	189.66	76.49
33 42 11 00-0272 EA 24" Tee, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE).....	229.23	87.31
33 42 11 00-0273 EA 30" Tee, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE).....	337.02	100.83
33 42 11 00-0274 EA 36" Tee, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE).....	416.63	116.48
33 42 11 00-0275 EA 42" Tee, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE).....	625.35	139.08
33 42 11 00-0276 EA 48" Tee, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE).....	773.20	165.16

33 Utilities**33 40 Stormwater Utilities****33 42 Stormwater Conveyance**

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

33 42 11 00-0277	Wyes, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) <small>(33 42 11 00-0263)</small>		
33 42 11 00-0278	EA 4" Wye, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE).....	39.93	20.86
33 42 11 00-0279	EA 6" Wye, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE).....	47.14	24.34
33 42 11 00-0280	EA 8" Wye, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE).....	59.18	29.56
33 42 11 00-0281	EA 10" Wye, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE).....	78.31	36.51
33 42 11 00-0282	EA 12" Wye, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE).....	111.53	43.47
33 42 11 00-0283	EA 15" Wye, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE).....	133.02	56.80
33 42 11 00-0284	EA 18" Wye, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE).....	183.15	76.49
33 42 11 00-0285	22-1/2 Degree Bends, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) <small>(33 42 11 00-0263)</small>		
33 42 11 00-0286	EA 4" 22-1/2 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE).....	23.11	13.91
33 42 11 00-0287	EA 6" 22-1/2 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE).....	27.35	16.23
33 42 11 00-0288	EA 8" 22-1/2 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE).....	34.95	19.70
33 42 11 00-0289	EA 10" 22-1/2 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE).....	43.42	24.34
33 42 11 00-0290	EA 12" 22-1/2 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE).....	55.10	28.97
33 42 11 00-0291	EA 15" 22-1/2 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE).....	76.23	37.09
33 42 11 00-0292	EA 18" 22-1/2 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE).....	103.31	50.99
33 42 11 00-0293	EA 24" 22-1/2 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE).....	147.68	57.94
33 42 11 00-0294	EA 30" 22-1/2 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE).....	188.63	67.22
33 42 11 00-0295	EA 36" 22-1/2 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE).....	219.66	77.65
33 42 11 00-0296	EA 42" 22-1/2 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE).....	272.60	92.72
33 42 11 00-0297	EA 48" 22-1/2 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE).....	349.52	110.11
33 42 11 00-0298	45 Degree Bends, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) <small>(33 42 11 00-0263)</small>		
33 42 11 00-0299	EA 4" 45 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE).....	23.59	13.91
33 42 11 00-0300	EA 6" 45 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE).....	28.36	16.23
33 42 11 00-0301	EA 8" 45 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE).....	35.47	19.70
33 42 11 00-0302	EA 10" 45 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE).....	47.62	24.34
33 42 11 00-0303	EA 12" 45 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE).....	55.10	28.97
33 42 11 00-0304	EA 15" 45 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE).....	76.14	37.09
33 42 11 00-0305	EA 18" 45 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE).....	110.08	50.99
33 42 11 00-0306	EA 24" 45 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE).....	152.92	57.94
33 42 11 00-0307	EA 30" 45 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE).....	188.88	67.22
33 42 11 00-0308	EA 36" 45 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE).....	230.94	77.65
33 42 11 00-0309	EA 42" 45 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE).....	316.12	92.72
33 42 11 00-0310	EA 48" 45 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE).....	388.53	110.11
33 42 11 00-0311	Single Wall, Corrugated High Density Polyethylene (HDPE) Pipe Fittings <small>(33 42 11 00-0201)</small>		
	Note: Excludes couplings and gaskets.		
33 42 11 00-0312	Tees, Single Wall, Corrugated High Density Polyethylene (HDPE) <small>(33 42 11 00-0311)</small>		
33 42 11 00-0313	EA 4" Tee, Single Wall, Corrugated High Density Polyethylene (HDPE).....	32.51	20.86
33 42 11 00-0314	EA 6" Tee, Single Wall, Corrugated High Density Polyethylene (HDPE).....	38.07	24.34
33 42 11 00-0315	EA 8" Tee, Single Wall, Corrugated High Density Polyethylene (HDPE).....	49.38	29.56
33 42 11 00-0316	EA 10" Tee, Single Wall, Corrugated High Density Polyethylene (HDPE).....	61.61	36.51
33 42 11 00-0317	EA 12" Tee, Single Wall, Corrugated High Density Polyethylene (HDPE).....	78.08	43.47
33 42 11 00-0318	EA 15" Tee, Single Wall, Corrugated High Density Polyethylene (HDPE).....	122.66	56.80
33 42 11 00-0319	EA 18" Tee, Single Wall, Corrugated High Density Polyethylene (HDPE).....	157.38	76.49
33 42 11 00-0320	EA 24" Tee, Single Wall, Corrugated High Density Polyethylene (HDPE).....	225.66	86.93
33 42 11 00-0321	Wyes, Single Wall, Corrugated High Density Polyethylene (HDPE) <small>(33 42 11 00-0311)</small>		
33 42 11 00-0322	EA 4" Wye, Single Wall, Corrugated High Density Polyethylene (HDPE).....	32.70	20.86
33 42 11 00-0323	EA 6" Wye, Single Wall, Corrugated High Density Polyethylene (HDPE).....	38.67	24.34
33 42 11 00-0324	EA 8" Wye, Single Wall, Corrugated High Density Polyethylene (HDPE).....	55.66	29.56
33 42 11 00-0325	45 Degree Bends, Single Wall, Corrugated High Density Polyethylene (HDPE) <small>(33 42 11 00-0311)</small>		
33 42 11 00-0326	EA 4" 45 Degree Bend, Single Wall, Corrugated High Density Polyethylene (HDPE).....	21.73	13.91
33 42 11 00-0327	90 Degree Bends, Single Wall, Corrugated High Density Polyethylene (HDPE) <small>(33 42 11 00-0311)</small>		
33 42 11 00-0328	EA 4" 90 Degree Bend, Single Wall, Corrugated High Density Polyethylene (HDPE).....	21.93	13.91
33 42 11 00-0329	EA 6" 90 Degree Bend, Single Wall, Corrugated High Density Polyethylene (HDPE).....	26.16	16.23
33 42 11 00-0330	EA 8" 90 Degree Bend, Single Wall, Corrugated High Density Polyethylene (HDPE).....	33.37	19.70
33 42 11 00-0331	EA 10" 90 Degree Bend, Single Wall, Corrugated High Density Polyethylene (HDPE).....	41.95	24.34



	Utilities	33
	Stormwater Utilities	33 40
	Stormwater Conveyance	33 42

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0332 Couplings And End Sections, Corrugated High Density Polyethylene (HDPE) Pipe <small>(33 42 11 00-0201)</small>		
<i>Note: For single and double wall high density polyethylene (HDPE) piping.</i>		
33 42 11 00-0333 Couplings, Corrugated High Density Polyethylene (HDPE) Pipe <small>(33 42 11 00-0332)</small>		
33 42 11 00-0334 EA 4" Coupling, Corrugated High Density Polyethylene (HDPE) Pipe	0.29	
33 42 11 00-0335 EA 6" Coupling, Corrugated High Density Polyethylene (HDPE) Pipe	0.52	
33 42 11 00-0336 EA 8" Coupling, Corrugated High Density Polyethylene (HDPE) Pipe	0.80	
33 42 11 00-0337 EA 10" Coupling, Corrugated High Density Polyethylene (HDPE) Pipe	0.98	
33 42 11 00-0338 EA 12" Coupling, Corrugated High Density Polyethylene (HDPE) Pipe	1.06	
33 42 11 00-0339 EA 15" Coupling, Corrugated High Density Polyethylene (HDPE) Pipe	1.51	
33 42 11 00-0340 EA 18" Coupling, Corrugated High Density Polyethylene (HDPE) Pipe	2.23	
33 42 11 00-0341 EA 24" Coupling, Corrugated High Density Polyethylene (HDPE) Pipe	3.55	
33 42 11 00-0342 EA 30" Coupling, Corrugated High Density Polyethylene (HDPE) Pipe	5.44	
33 42 11 00-0343 EA 36" Coupling, Corrugated High Density Polyethylene (HDPE) Pipe	7.12	
33 42 11 00-0344 EA 42" Coupling, Corrugated High Density Polyethylene (HDPE) Pipe	11.20	
33 42 11 00-0345 EA 48" Coupling, Corrugated High Density Polyethylene (HDPE) Pipe	15.15	
33 42 11 00-0346 Self Adhering Gaskets, Corrugated High Density Polyethylene (HDPE) Pipe <small>(33 42 11 00-0332)</small>		
33 42 11 00-0347 EA 4" Self Adhering Gasket, Corrugated High Density Polyethylene (HDPE) Pipe.....	15.34	
33 42 11 00-0348 EA 6" Self Adhering Gasket, Corrugated High Density Polyethylene (HDPE) Pipe.....	16.06	
33 42 11 00-0349 EA 8" Self Adhering Gasket, Corrugated High Density Polyethylene (HDPE) Pipe.....	16.82	
33 42 11 00-0350 EA 10" Self Adhering Gasket, Corrugated High Density Polyethylene (HDPE) Pipe.....	17.61	
33 42 11 00-0351 EA 12" Self Adhering Gasket, Corrugated High Density Polyethylene (HDPE) Pipe.....	20.88	
33 42 11 00-0352 EA 15" Self Adhering Gasket, Corrugated High Density Polyethylene (HDPE) Pipe.....	21.56	
33 42 11 00-0353 EA 18" Self Adhering Gasket, Corrugated High Density Polyethylene (HDPE) Pipe.....	22.49	
33 42 11 00-0354 EA 24" Self Adhering Gasket, Corrugated High Density Polyethylene (HDPE) Pipe.....	25.61	
33 42 11 00-0355 EA 30" Self Adhering Gasket, Corrugated High Density Polyethylene (HDPE) Pipe.....	41.06	
33 42 11 00-0356 EA 36" Self Adhering Gasket, Corrugated High Density Polyethylene (HDPE) Pipe.....	44.97	
33 42 11 00-0357 EA 42" Self Adhering Gasket, Corrugated High Density Polyethylene (HDPE) Pipe.....	49.00	
33 42 11 00-0358 EA 48" Self Adhering Gasket, Corrugated High Density Polyethylene (HDPE) Pipe.....	59.51	
33 42 11 00-0359 Vitrified Clay Piping <small>(33 42 11)</small>		
33 42 11 00-0360 Extra Strength Vitrified Clay Piping <small>(33 42 11 00-0359)</small>		
33 42 11 00-0361 Plain Joint, Extra Strength, Vitrified Clay Piping <small>(33 42 11 00-0360)</small>		
<i>Note: ASTM C700.</i>		
33 42 11 00-0362 LF 4" Plain Joint, Extra Strength, Vitrified Clay Pipe.....	15.88	
<i>For 3' Lengths, Add</i>	1.08	
<i>For 2' Lengths, Add</i>	1.44	
<i>For Standard Strength, Deduct</i>	-0.36	
<i>For >1,000, Deduct</i>	-0.79	
33 42 11 00-0363 LF 6" Plain Joint, Extra Strength, Vitrified Clay Pipe.....	20.39	
<i>For 3' Lengths, Add</i>	1.68	
<i>For 2' Lengths, Add</i>	2.24	
<i>For Standard Strength, Deduct</i>	-0.56	
<i>For >1,000, Deduct</i>	-1.02	
33 42 11 00-0364 LF 8" Plain Joint, Extra Strength, Vitrified Clay Pipe.....	25.29	
<i>For 3' Lengths, Add</i>	2.40	
<i>For 2' Lengths, Add</i>	3.20	
<i>For Standard Strength, Deduct</i>	-0.80	
<i>For >1,000, Deduct</i>	-1.26	
33 42 11 00-0365 LF 10" Plain Joint, Extra Strength, Vitrified Clay Pipe.....	31.40	
<i>For 3' Lengths, Add</i>	3.68	
<i>For 2' Lengths, Add</i>	4.90	
<i>For Standard Strength, Deduct</i>	-1.23	
<i>For >1,000, Deduct</i>	-1.57	
33 42 11 00-0366 LF 12" Plain Joint, Extra Strength, Vitrified Clay Pipe.....	38.87	
<i>For 3' Lengths, Add</i>	5.19	
<i>For 2' Lengths, Add</i>	6.92	
<i>For Standard Strength, Deduct</i>	-1.73	
<i>For >1,000, Deduct</i>	-1.94	
33 42 11 00-0367 LF 15" Plain Joint, Extra Strength, Vitrified Clay Pipe.....	56.43	
<i>For 3' Lengths, Add</i>	9.73	
<i>For 2' Lengths, Add</i>	12.98	
<i>For Standard Strength, Deduct</i>	-3.24	
<i>For >1,000, Deduct</i>	-2.82	
33 42 11 00-0368 LF 18" Plain Joint, Extra Strength, Vitrified Clay Pipe.....	76.43	
<i>For 3' Lengths, Add</i>	13.95	
<i>For 2' Lengths, Add</i>	18.60	
<i>For Standard Strength, Deduct</i>	-4.65	
<i>For >1,000, Deduct</i>	-3.82	
33 42 11 00-0369 LF 21" Plain Joint, Extra Strength, Vitrified Clay Pipe.....	112.23	
<i>For 3' Lengths, Add</i>	22.35	
<i>For 2' Lengths, Add</i>	29.80	
<i>For Standard Strength, Deduct</i>	-7.45	
<i>For >1,000, Deduct</i>	-5.61	

33	Utilities
33 40	Stormwater Utilities
33 42	Stormwater Conveyance



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0370	LF		24" Plain Joint, Extra Strength, Vitrified Clay Pipe.....	143.15	
			<i>For 3' Lengths, Add</i>	29.20	
			<i>For 2' Lengths, Add</i>	38.93	
			<i>For Standard Strength, Deduct</i>	-9.73	
			<i>For >1,000, Deduct</i>	-7.16	
33 42 11 00-0371	LF		30" Plain Joint, Extra Strength, Vitrified Clay Pipe.....	178.51	
			<i>For 3' Lengths, Add</i>	36.41	
			<i>For 2' Lengths, Add</i>	48.54	
			<i>For Standard Strength, Deduct</i>	-12.14	
			<i>For >1,000, Deduct</i>	-8.93	
33 42 11 00-0372	LF		36" Plain Joint, Extra Strength, Vitrified Clay Pipe.....	210.12	
			<i>For 3' Lengths, Add</i>	43.98	
			<i>For 2' Lengths, Add</i>	58.64	
			<i>For Standard Strength, Deduct</i>	-14.66	
			<i>For >1,000, Deduct</i>	-10.51	
33 42 11 00-0373			Compression Joint, Extra Strength, Vitrified Clay Piping (33 42 11 00-0360)		
			Note: ASTM C425.		
33 42 11 00-0374	LF		4" Compression Joint, Extra Strength, Vitrified Clay Pipe.....	18.98	
			<i>For 3' Lengths, Add</i>	1.28	
			<i>For 2' Lengths, Add</i>	1.70	
			<i>For Standard Strength, Deduct</i>	-0.43	
			<i>For >1,000, Deduct</i>	-0.95	
33 42 11 00-0375	LF		6" Compression Joint, Extra Strength, Vitrified Clay Pipe.....	24.69	
			<i>For 3' Lengths, Add</i>	2.08	
			<i>For 2' Lengths, Add</i>	2.78	
			<i>For Standard Strength, Deduct</i>	-0.69	
			<i>For >1,000, Deduct</i>	-1.23	
33 42 11 00-0376	LF		8" Compression Joint, Extra Strength, Vitrified Clay Pipe.....	30.56	
			<i>For 3' Lengths, Add</i>	2.94	
			<i>For 2' Lengths, Add</i>	3.92	
			<i>For Standard Strength, Deduct</i>	-0.98	
			<i>For >1,000, Deduct</i>	-1.53	
33 42 11 00-0377	LF		10" Compression Joint, Extra Strength, Vitrified Clay Pipe.....	39.06	
			<i>For 3' Lengths, Add</i>	4.83	
			<i>For 2' Lengths, Add</i>	6.44	
			<i>For Standard Strength, Deduct</i>	-1.61	
			<i>For >1,000, Deduct</i>	-1.95	
33 42 11 00-0378	LF		12" Compression Joint, Extra Strength, Vitrified Clay Pipe.....	47.03	
			<i>For 3' Lengths, Add</i>	6.35	
			<i>For 2' Lengths, Add</i>	8.46	
			<i>For Standard Strength, Deduct</i>	-2.12	
			<i>For >1,000, Deduct</i>	-2.35	
33 42 11 00-0379	LF		15" Compression Joint, Extra Strength, Vitrified Clay Pipe.....	67.36	
			<i>For 3' Lengths, Add</i>	11.57	
			<i>For 2' Lengths, Add</i>	15.43	
			<i>For Standard Strength, Deduct</i>	-3.86	
			<i>For >1,000, Deduct</i>	-3.37	
33 42 11 00-0380	LF		18" Compression Joint, Extra Strength, Vitrified Clay Pipe.....	92.38	
			<i>For 3' Lengths, Add</i>	16.94	
			<i>For 2' Lengths, Add</i>	22.59	
			<i>For Standard Strength, Deduct</i>	-5.65	
			<i>For >1,000, Deduct</i>	-4.62	
33 42 11 00-0381	LF		21" Compression Joint, Extra Strength, Vitrified Clay Pipe.....	131.20	
			<i>For 3' Lengths, Add</i>	25.77	
			<i>For 2' Lengths, Add</i>	34.36	
			<i>For Standard Strength, Deduct</i>	-8.59	
			<i>For >1,000, Deduct</i>	-6.56	
33 42 11 00-0382	LF		24" Compression Joint, Extra Strength, Vitrified Clay Pipe.....	170.34	
			<i>For 3' Lengths, Add</i>	34.61	
			<i>For 2' Lengths, Add</i>	46.14	
			<i>For Standard Strength, Deduct</i>	-11.54	
			<i>For >1,000, Deduct</i>	-8.52	
33 42 11 00-0383	LF		30" Compression Joint, Extra Strength, Vitrified Clay Pipe.....	269.23	
			<i>For 3' Lengths, Add</i>	60.20	
			<i>For 2' Lengths, Add</i>	80.26	
			<i>For Standard Strength, Deduct</i>	-20.07	
			<i>For >1,000, Deduct</i>	-13.46	
33 42 11 00-0384	LF		36" Compression Joint, Extra Strength, Vitrified Clay Pipe.....	371.80	
			<i>For 3' Lengths, Add</i>	88.67	
			<i>For 2' Lengths, Add</i>	118.23	
			<i>For Standard Strength, Deduct</i>	-29.56	
			<i>For >1,000, Deduct</i>	-18.59	
33 42 11 00-0385			Extra Strength, Vitrified Clay Pipe Fittings (33 42 11 00-0359)		
33 42 11 00-0386			1/8 Bends, Extra Strength, Vitrified Clay (33 42 11 00-0385)		
33 42 11 00-0387			Plain End 1/8 Bend, Extra Strength, Vitrified Clay (33 42 11 00-0386)		
33 42 11 00-0388	EA		4" Plain End 1/8 Bend, Extra Strength, Vitrified Clay.....	62.55	
33 42 11 00-0389	EA		6" Plain End 1/8 Bend, Extra Strength, Vitrified Clay.....	83.04	
33 42 11 00-0390	EA		8" Plain End 1/8 Bend, Extra Strength, Vitrified Clay.....	115.58	
33 42 11 00-0391	EA		10" Plain End 1/8 Bend, Extra Strength, Vitrified Clay.....	155.94	
33 42 11 00-0392	EA		12" Plain End 1/8 Bend, Extra Strength, Vitrified Clay.....	202.89	



Utilities	33	CS
Stormwater Utilities	33 40	
Stormwater Conveyance	33 42	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0393 EA 15" Plain End 1/8 Bend, Extra Strength, Vitrified Clay.....	461.27	
33 42 11 00-0394 EA 18" Plain End 1/8 Bend, Extra Strength, Vitrified Clay.....	647.28	
33 42 11 00-0395 EA 21" Plain End 1/8 Bend, Extra Strength, Vitrified Clay.....	1,002.36	
33 42 11 00-0396 EA 24" Plain End 1/8 Bend, Extra Strength, Vitrified Clay.....	1,158.77	
33 42 11 00-0397 EA 30" Plain End 1/8 Bend, Extra Strength, Vitrified Clay.....	1,348.95	
33 42 11 00-0398 EA 36" Plain End 1/8 Bend, Extra Strength, Vitrified Clay.....	2,004.90	
33 42 11 00-0399 Compression Joint 1/8 Bends, Extra Strength, Vitrified Clay (33 42 11 00-0396)		
33 42 11 00-0400 EA 4" Compression Joint 1/8 Bend, Extra Strength, Vitrified Clay.....	71.40	
33 42 11 00-0401 EA 6" Compression Joint 1/8 Bend, Extra Strength, Vitrified Clay.....	98.95	
33 42 11 00-0402 EA 8" Compression Joint 1/8 Bend, Extra Strength, Vitrified Clay.....	131.41	
33 42 11 00-0403 EA 10" Compression Joint 1/8 Bend, Extra Strength, Vitrified Clay.....	173.16	
33 42 11 00-0404 EA 12" Compression Joint 1/8 Bend, Extra Strength, Vitrified Clay.....	217.03	
33 42 11 00-0405 EA 15" Compression Joint 1/8 Bend, Extra Strength, Vitrified Clay.....	519.05	
33 42 11 00-0406 EA 18" Compression Joint 1/8 Bend, Extra Strength, Vitrified Clay.....	750.04	
33 42 11 00-0407 EA 21" Compression Joint 1/8 Bend, Extra Strength, Vitrified Clay.....	778.18	
33 42 11 00-0408 EA 24" Compression Joint 1/8 Bend, Extra Strength, Vitrified Clay.....	1,480.83	
33 42 11 00-0409 EA 30" Compression Joint 1/8 Bend, Extra Strength, Vitrified Clay.....	1,655.41	
33 42 11 00-0410 EA 36" Compression Joint 1/8 Bend, Extra Strength, Vitrified Clay.....	2,436.66	
33 42 11 00-0411 1/4 Bends, Extra Strength, Vitrified Clay (33 42 11 00-0385)		
33 42 11 00-0412 Plain End 1/4 Bends, Extra Strength, Vitrified Clay (33 42 11 00-0411)		
33 42 11 00-0413 EA 4" Plain End 1/4 Bend, Extra Strength, Vitrified Clay.....	74.83	
33 42 11 00-0414 EA 6" Plain End 1/4 Bend, Extra Strength, Vitrified Clay.....	97.82	
33 42 11 00-0415 EA 8" Plain End 1/4 Bend, Extra Strength, Vitrified Clay.....	132.88	
33 42 11 00-0416 EA 10" Plain End 1/4 Bend, Extra Strength, Vitrified Clay.....	175.08	
33 42 11 00-0417 EA 12" Plain End 1/4 Bend, Extra Strength, Vitrified Clay.....	224.46	
33 42 11 00-0418 EA 15" Plain End 1/4 Bend, Extra Strength, Vitrified Clay.....	485.26	
33 42 11 00-0419 EA 18" Plain End 1/4 Bend, Extra Strength, Vitrified Clay.....	677.20	
33 42 11 00-0420 EA 21" Plain End 1/4 Bend, Extra Strength, Vitrified Clay.....	1,040.09	
33 42 11 00-0421 EA 24" Plain End 1/4 Bend, Extra Strength, Vitrified Clay.....	1,204.60	
33 42 11 00-0422 EA 30" Plain End 1/4 Bend, Extra Strength, Vitrified Clay.....	1,406.09	
33 42 11 00-0423 EA 36" Plain End 1/4 Bend, Extra Strength, Vitrified Clay.....	2,068.42	
33 42 11 00-0424 Compression Joint 1/4 Bends, Extra Strength, Vitrified Clay (33 42 11 00-0411)		
33 42 11 00-0425 EA 4" Compression Joint 1/4 Bend, Extra Strength, Vitrified Clay.....	86.13	
33 42 11 00-0426 EA 6" Compression Joint 1/4 Bend, Extra Strength, Vitrified Clay.....	116.69	
33 42 11 00-0427 EA 8" Compression Joint 1/4 Bend, Extra Strength, Vitrified Clay.....	152.17	
33 42 11 00-0428 EA 10" Compression Joint 1/4 Bend, Extra Strength, Vitrified Clay.....	196.14	
33 42 11 00-0429 EA 12" Compression Joint 1/4 Bend, Extra Strength, Vitrified Clay.....	242.91	
33 42 11 00-0430 EA 15" Compression Joint 1/4 Bend, Extra Strength, Vitrified Clay.....	547.84	
33 42 11 00-0431 EA 18" Compression Joint 1/4 Bend, Extra Strength, Vitrified Clay.....	785.94	
33 42 11 00-0432 EA 21" Compression Joint 1/4 Bend, Extra Strength, Vitrified Clay.....	1,497.01	
33 42 11 00-0433 EA 24" Compression Joint 1/4 Bend, Extra Strength, Vitrified Clay.....	1,535.83	
33 42 11 00-0434 EA 30" Compression Joint 1/4 Bend, Extra Strength, Vitrified Clay.....	1,723.99	
33 42 11 00-0435 EA 36" Compression Joint 1/4 Bend, Extra Strength, Vitrified Clay.....	2,512.91	
33 42 11 00-0436 Wyes Or Tees, Extra Strength, Vitrified Clay (33 42 11 00-0385)		
33 42 11 00-0437 Plain End Wyes Or Tees, Extra Strength, Vitrified Clay (33 42 11 00-0436)		
33 42 11 00-0438 EA 4" Plain End Wyes Or Tees, Extra Strength, Vitrified Clay.....	84.25	
33 42 11 00-0439 EA 6" Plain End Wyes Or Tees, Extra Strength, Vitrified Clay.....	108.29	
33 42 11 00-0440 EA 8" Plain End Wyes Or Tees, Extra Strength, Vitrified Clay.....	143.35	
33 42 11 00-0441 EA 10" Plain End Wyes Or Tees, Extra Strength, Vitrified Clay.....	185.75	
33 42 11 00-0442 EA 12" Plain End Wyes Or Tees, Extra Strength, Vitrified Clay.....	231.06	
33 42 11 00-0443 EA 15" Plain End Wyes Or Tees, Extra Strength, Vitrified Clay.....	496.73	
33 42 11 00-0444 EA 18" Plain End Wyes Or Tees, Extra Strength, Vitrified Clay.....	689.90	
33 42 11 00-0445 EA 21" Plain End Wyes Or Tees, Extra Strength, Vitrified Clay.....	988.92	
33 42 11 00-0446 EA 24" Plain End Wyes Or Tees, Extra Strength, Vitrified Clay.....	1,366.57	
33 42 11 00-0447 EA 30" Plain End Wyes Or Tees, Extra Strength, Vitrified Clay.....	1,458.73	
33 42 11 00-0448 EA 36" Plain End Wyes Or Tees, Extra Strength, Vitrified Clay.....	2,071.20	
33 42 11 00-0449 Compression Joint Wyes Or Tees, Extra Strength, Vitrified Clay (33 42 11 00-0436)		
33 42 11 00-0450 EA 4" Compression Joint Wyes Or Tees, Extra Strength, Vitrified Clay.....	102.56	
33 42 11 00-0451 EA 6" Compression Joint Wyes Or Tees, Extra Strength, Vitrified Clay.....	137.30	
33 42 11 00-0452 EA 8" Compression Joint Wyes Or Tees, Extra Strength, Vitrified Clay.....	177.24	
33 42 11 00-0453 EA 10" Compression Joint Wyes Or Tees, Extra Strength, Vitrified Clay.....	225.62	
33 42 11 00-0454 EA 12" Compression Joint Wyes Or Tees, Extra Strength, Vitrified Clay.....	277.49	
33 42 11 00-0455 EA 15" Compression Joint Wyes Or Tees, Extra Strength, Vitrified Clay.....	603.67	
33 42 11 00-0456 EA 18" Compression Joint Wyes Or Tees, Extra Strength, Vitrified Clay.....	862.01	
33 42 11 00-0457 EA 21" Compression Joint Wyes Or Tees, Extra Strength, Vitrified Clay.....	1,268.24	
33 42 11 00-0458 EA 24" Compression Joint Wyes Or Tees, Extra Strength, Vitrified Clay.....	1,673.07	
33 42 11 00-0459 EA 30" Compression Joint Wyes Or Tees, Extra Strength, Vitrified Clay.....	1,942.42	
33 42 11 00-0460 EA 36" Compression Joint, Extra Strength, Vitrified Clay Wye Or Tee.....	2,727.14	

33 Utilities**33 40 Stormwater Utilities****33 42 Stormwater Conveyance**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0461 Corrugated Metal Piping ^(33 42 11)		
33 42 11 00-0462 Galvanized Corrugated Steel Piping ^(33 42 11 00-0461)		
33 42 11 00-0463 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Piping ^(33 42 11 00-0462)		
33 42 11 00-0464 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Piping ⁽³³⁾		
33 42 11 00-0465 LF 12" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe.....	25.81	8.12
For Bituminous Coated Pipe, Add	2.17	
For Bituminous Coated And 25% Paved, Add	4.43	
For Smooth-Flo, Add	7.91	
33 42 11 00-0466 LF 15" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe.....	28.72	8.50
For Bituminous Coated Pipe, Add	2.72	
For Bituminous Coated And 25% Paved, Add	5.57	
For Smooth-Flo, Add	9.95	
33 42 11 00-0467 LF 18" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe.....	31.73	9.28
For Bituminous Coated Pipe, Add	3.30	
For Bituminous Coated And 25% Paved, Add	6.75	
For Smooth-Flo, Add	12.06	
33 42 11 00-0468 LF 21" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe.....	35.84	10.05
For Bituminous Coated Pipe, Add	3.95	
For Bituminous Coated And 25% Paved, Add	8.08	
For Smooth-Flo, Add	14.43	
33 42 11 00-0469 LF 24" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe.....	39.55	10.82
For Bituminous Coated Pipe, Add	4.44	
For Bituminous Coated And 25% Paved, Add	9.09	
For Smooth-Flo, Add	16.23	
33 42 11 00-0470 LF 30" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe.....	52.36	13.91
For Bituminous Coated Pipe, Add	5.77	
For Bituminous Coated And 25% Paved, Add	11.80	
For Smooth-Flo, Add	21.07	
33 42 11 00-0471 LF 36" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe.....	67.43	17.62
For Bituminous Coated Pipe, Add	7.27	
For Bituminous Coated And 25% Paved, Add	14.87	
For Smooth-Flo, Add	26.56	
33 42 11 00-0472 LF 42" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe.....	76.34	20.83
For Bituminous Coated Pipe, Add	8.61	
For Bituminous Coated And 25% Paved, Add	17.60	
For Smooth-Flo, Add	31.44	
33 42 11 00-0473 LF 48" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe.....	85.84	24.04
For Bituminous Coated Pipe, Add	9.64	
For Bituminous Coated And 25% Paved, Add	19.72	
For Smooth-Flo, Add	35.21	
33 42 11 00-0474 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Piping ⁽³³⁾		
33 42 11 00-0475 LF 12" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe.....	27.74	8.12
For Bituminous Coated Pipe, Add	2.20	
For Bituminous Coated And 25% Paved, Add	5.09	
For Smooth-Flo, Add	10.29	
33 42 11 00-0476 LF 15" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe.....	31.10	8.50
For Bituminous Coated Pipe, Add	2.76	
For Bituminous Coated And 25% Paved, Add	6.38	
For Smooth-Flo, Add	12.90	
33 42 11 00-0477 LF 18" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe.....	34.61	9.28
For Bituminous Coated Pipe, Add	3.34	
For Bituminous Coated And 25% Paved, Add	7.73	
For Smooth-Flo, Add	15.63	
33 42 11 00-0478 LF 21" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe.....	39.16	10.05
For Bituminous Coated Pipe, Add	3.97	
For Bituminous Coated And 25% Paved, Add	9.19	
For Smooth-Flo, Add	18.58	
33 42 11 00-0479 LF 24" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe.....	43.42	10.82
For Bituminous Coated Pipe, Add	4.49	
For Bituminous Coated And 25% Paved, Add	10.40	
For Smooth-Flo, Add	21.03	
33 42 11 00-0480 LF 30" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe.....	57.08	13.91
For Bituminous Coated Pipe, Add	5.77	
For Bituminous Coated And 25% Paved, Add	13.36	
For Smooth-Flo, Add	27.01	
33 42 11 00-0481 LF 36" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe.....	73.16	17.62
For Bituminous Coated Pipe, Add	7.23	
For Bituminous Coated And 25% Paved, Add	16.75	
For Smooth-Flo, Add	33.85	
33 42 11 00-0482 LF 42" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe.....	82.90	20.83
For Bituminous Coated Pipe, Add	8.51	
For Bituminous Coated And 25% Paved, Add	19.71	
For Smooth-Flo, Add	39.85	
33 42 11 00-0483 LF 48" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe.....	93.35	24.04
For Bituminous Coated Pipe, Add	9.56	
For Bituminous Coated And 25% Paved, Add	22.16	
For Smooth-Flo, Add	44.78	



Utilities	33	CS
Stormwater Utilities	33 40	
Stormwater Conveyance	33 42	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0484 LF 54" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	111.00 11.76 27.25 55.08	27.23
33 42 11 00-0485 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Piping⁽³³⁾ <small>^{42 11 00-0463)}</small>		
33 42 11 00-0486 LF 18" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	40.57 3.82 6.90 13.26	9.28
33 42 11 00-0487 LF 21" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	46.09 4.52 8.16 15.68	10.05
33 42 11 00-0488 LF 24" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	51.31 5.12 9.25 17.77	10.05
33 42 11 00-0489 LF 30" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	66.83 6.51 11.76 22.60	13.91
33 42 11 00-0490 LF 36" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	84.74 8.05 14.54 27.94	17.62
33 42 11 00-0491 LF 42" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	96.28 9.44 17.04 32.75	20.83
33 42 11 00-0492 LF 48" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	108.68 10.65 19.24 36.98	24.04
33 42 11 00-0493 LF 54" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	127.92 12.77 23.07 44.33	27.23
33 42 11 00-0494 LF 60" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	139.80 13.99 25.26 48.55	28.84
33 42 11 00-0495 LF 66" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	169.20 17.03 30.76 59.11	35.25
33 42 11 00-0496 10 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Piping⁽³³⁾ <small>^{42 11 00-0463)}</small>		
33 42 11 00-0497 LF 36" 10 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	95.57 10.24 17.11 24.41	17.62
33 42 11 00-0498 LF 42" 10 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	108.95 12.00 20.04 28.60	20.83
33 42 11 00-0499 LF 48" 10 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	123.06 13.56 22.65 32.32	24.04
33 42 11 00-0500 LF 54" 10 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	144.04 16.06 26.83 38.28	27.23
33 42 11 00-0501 LF 60" 10 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	157.73 17.64 29.46 42.04	28.84
33 42 11 00-0502 LF 66" 10 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	188.91 21.10 35.25 50.29	35.25
33 42 11 00-0503 LF 72" 10 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	230.69 22.66 37.85 54.00	51.27
33 42 11 00-0504 3" x 1" Corrugation, Galvanized Corrugated Steel Piping ^(33 42 11 00-0462)		
33 42 11 00-0505 16 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Piping ^(33 42 11 00-0504)		

33 Utilities**33 40 Stormwater Utilities****33 42 Stormwater Conveyance**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0506	LF		36" 16 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	77.37	17.62
			<i>For Bituminous Coated Pipe, Add</i>	8.00	
			<i>For Bituminous Coated And 25% Paved, Add</i>	18.16	
			<i>For Smooth-Flo, Add</i>	36.15	
33 42 11 00-0507	LF		42" 16 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	87.73	20.83
			<i>For Bituminous Coated Pipe, Add</i>	9.39	
			<i>For Bituminous Coated And 25% Paved, Add</i>	21.32	
			<i>For Smooth-Flo, Add</i>	42.44	
33 42 11 00-0508	LF		48" 16 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	98.67	24.04
			<i>For Bituminous Coated Pipe, Add</i>	10.53	
			<i>For Bituminous Coated And 25% Paved, Add</i>	23.91	
			<i>For Smooth-Flo, Add</i>	47.60	
33 42 11 00-0509	LF		54" 16 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	117.11	27.23
			<i>For Bituminous Coated Pipe, Add</i>	12.87	
			<i>For Bituminous Coated And 25% Paved, Add</i>	29.21	
			<i>For Smooth-Flo, Add</i>	58.15	
33 42 11 00-0510	LF		60" 16 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	127.59	28.84
			<i>For Bituminous Coated Pipe, Add</i>	14.02	
			<i>For Bituminous Coated And 25% Paved, Add</i>	31.82	
			<i>For Smooth-Flo, Add</i>	63.35	
33 42 11 00-0511	LF		66" 16 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	159.04	35.25
			<i>For Bituminous Coated Pipe, Add</i>	18.00	
			<i>For Bituminous Coated And 25% Paved, Add</i>	40.87	
			<i>For Smooth-Flo, Add</i>	81.38	
33 42 11 00-0512	LF		72" 16 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	197.91	51.27
			<i>For Bituminous Coated Pipe, Add</i>	19.19	
			<i>For Bituminous Coated And 25% Paved, Add</i>	43.56	
			<i>For Smooth-Flo, Add</i>	86.74	
33 42 11 00-0513	LF		78" 16 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	214.06	56.08
			<i>For Bituminous Coated Pipe, Add</i>	20.38	
			<i>For Bituminous Coated And 25% Paved, Add</i>	46.27	
			<i>For Smooth-Flo, Add</i>	92.13	
33 42 11 00-0514	LF		84" 16 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	228.03	60.08
			<i>For Bituminous Coated Pipe, Add</i>	21.57	
			<i>For Bituminous Coated And 25% Paved, Add</i>	48.97	
			<i>For Smooth-Flo, Add</i>	97.51	
33 42 11 00-0515	LF		90" 16 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	242.02	64.08
			<i>For Bituminous Coated Pipe, Add</i>	22.77	
			<i>For Bituminous Coated And 25% Paved, Add</i>	51.69	
			<i>For Smooth-Flo, Add</i>	102.92	
33 42 11 00-0516	LF		96" 16 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	256.55	68.09
			<i>For Bituminous Coated Pipe, Add</i>	23.96	
			<i>For Bituminous Coated And 25% Paved, Add</i>	54.38	
			<i>For Smooth-Flo, Add</i>	108.28	
33 42 11 00-0517	LF		102" 16 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	273.35	72.10
			<i>For Bituminous Coated Pipe, Add</i>	25.16	
			<i>For Bituminous Coated And 25% Paved, Add</i>	57.10	
			<i>For Smooth-Flo, Add</i>	113.71	
33 42 11 00-0518			14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Piping (33 42 11 00- 0504)		
33 42 11 00-0519	LF		54" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	127.25	27.23
			<i>For Bituminous Coated Pipe, Add</i>	14.89	
			<i>For Bituminous Coated And 25% Paved, Add</i>	29.19	
			<i>For Smooth-Flo, Add</i>	58.98	
33 42 11 00-0520	LF		60" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	138.81	28.84
			<i>For Bituminous Coated Pipe, Add</i>	16.26	
			<i>For Bituminous Coated And 25% Paved, Add</i>	31.87	
			<i>For Smooth-Flo, Add</i>	64.39	
33 42 11 00-0521	LF		66" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	171.38	35.25
			<i>For Bituminous Coated Pipe, Add</i>	20.47	
			<i>For Bituminous Coated And 25% Paved, Add</i>	40.13	
			<i>For Smooth-Flo, Add</i>	81.07	
33 42 11 00-0522	LF		72" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	211.36	51.27
			<i>For Bituminous Coated Pipe, Add</i>	21.88	
			<i>For Bituminous Coated And 25% Paved, Add</i>	42.88	
			<i>For Smooth-Flo, Add</i>	86.64	
33 42 11 00-0523	LF		78" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	228.58	56.08
			<i>For Bituminous Coated Pipe, Add</i>	23.29	
			<i>For Bituminous Coated And 25% Paved, Add</i>	45.64	
			<i>For Smooth-Flo, Add</i>	92.21	
33 42 11 00-0524	LF		84" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	243.69	60.08
			<i>For Bituminous Coated Pipe, Add</i>	24.71	
			<i>For Bituminous Coated And 25% Paved, Add</i>	48.42	
			<i>For Smooth-Flo, Add</i>	97.84	
33 42 11 00-0525	LF		90" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	258.74	64.08
			<i>For Bituminous Coated Pipe, Add</i>	26.11	
			<i>For Bituminous Coated And 25% Paved, Add</i>	51.18	
			<i>For Smooth-Flo, Add</i>	103.41	
33 42 11 00-0526	LF		96" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	274.37	68.09
			<i>For Bituminous Coated Pipe, Add</i>	27.52	
			<i>For Bituminous Coated And 25% Paved, Add</i>	53.94	
			<i>For Smooth-Flo, Add</i>	108.98	



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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0527 LF 102" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	292.25	72.10
For Bituminous Coated Pipe, Add	28.94	
For Bituminous Coated And 25% Paved, Add	56.71	
For Smooth-Flo, Add	114.59	
33 42 11 00-0528 LF 108" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	311.97	80.10
For Bituminous Coated Pipe, Add	30.35	
For Bituminous Coated And 25% Paved, Add	59.49	
For Smooth-Flo, Add	120.19	
33 42 11 00-0529 LF 114" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	331.24	88.12
For Bituminous Coated Pipe, Add	31.74	
For Bituminous Coated And 25% Paved, Add	62.21	
For Smooth-Flo, Add	125.70	
33 42 11 00-0530 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Piping (33 42 11 00-0504)		
33 42 11 00-0531 LF 60" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	163.69	28.84
For Bituminous Coated Pipe, Add	21.24	
For Bituminous Coated And 25% Paved, Add	40.45	
For Smooth-Flo, Add	65.94	
33 42 11 00-0532 LF 66" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	198.94	35.25
For Bituminous Coated Pipe, Add	25.98	
For Bituminous Coated And 25% Paved, Add	49.50	
For Smooth-Flo, Add	80.68	
33 42 11 00-0533 LF 72" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	241.32	51.27
For Bituminous Coated Pipe, Add	27.87	
For Bituminous Coated And 25% Paved, Add	53.10	
For Smooth-Flo, Add	86.54	
33 42 11 00-0534 LF 78" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	260.97	56.08
For Bituminous Coated Pipe, Add	29.76	
For Bituminous Coated And 25% Paved, Add	56.70	
For Smooth-Flo, Add	92.42	
33 42 11 00-0535 LF 84" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	278.49	60.08
For Bituminous Coated Pipe, Add	31.67	
For Bituminous Coated And 25% Paved, Add	60.32	
For Smooth-Flo, Add	98.32	
33 42 11 00-0536 LF 90" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	295.96	64.08
For Bituminous Coated Pipe, Add	33.56	
For Bituminous Coated And 25% Paved, Add	63.93	
For Smooth-Flo, Add	104.20	
33 42 11 00-0537 LF 96" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	314.05	68.09
For Bituminous Coated Pipe, Add	35.46	
For Bituminous Coated And 25% Paved, Add	67.54	
For Smooth-Flo, Add	110.09	
33 42 11 00-0538 LF 102" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	334.35	72.10
For Bituminous Coated Pipe, Add	37.36	
For Bituminous Coated And 25% Paved, Add	71.16	
For Smooth-Flo, Add	115.99	
33 42 11 00-0539 LF 108" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	356.46	80.10
For Bituminous Coated Pipe, Add	39.25	
For Bituminous Coated And 25% Paved, Add	74.77	
For Smooth-Flo, Add	121.87	
33 42 11 00-0540 LF 114" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	378.17	88.12
For Bituminous Coated Pipe, Add	41.13	
For Bituminous Coated And 25% Paved, Add	78.35	
For Smooth-Flo, Add	127.70	
33 42 11 00-0541 LF 120" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	398.99	96.12
For Bituminous Coated Pipe, Add	43.03	
For Bituminous Coated And 25% Paved, Add	81.97	
For Smooth-Flo, Add	133.61	
33 42 11 00-0542 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Piping (33 42 11 00-0504)		
33 42 11 00-0543 LF 72" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	269.26	51.27
For Bituminous Coated Pipe, Add	33.46	
For Bituminous Coated And 25% Paved, Add	63.57	
For Smooth-Flo, Add	84.99	
33 42 11 00-0544 LF 78" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	291.20	56.08
For Bituminous Coated Pipe, Add	35.81	
For Bituminous Coated And 25% Paved, Add	68.04	
For Smooth-Flo, Add	90.96	
33 42 11 00-0545 LF 84" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	311.01	60.08
For Bituminous Coated Pipe, Add	38.17	
For Bituminous Coated And 25% Paved, Add	72.52	
For Smooth-Flo, Add	96.95	
33 42 11 00-0546 LF 90" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	330.78	64.08
For Bituminous Coated Pipe, Add	40.52	
For Bituminous Coated And 25% Paved, Add	76.99	
For Smooth-Flo, Add	102.93	
33 42 11 00-0547 LF 96" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	351.16	68.09
For Bituminous Coated Pipe, Add	42.88	
For Bituminous Coated And 25% Paved, Add	81.47	
For Smooth-Flo, Add	108.91	

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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0548 LF 102" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	373.76	72.10
For Bituminous Coated Pipe, Add	45.24	
For Bituminous Coated And 25% Paved, Add	85.95	
For Smooth-Flo, Add	114.90	
33 42 11 00-0549 LF 108" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	398.15	80.10
For Bituminous Coated Pipe, Add	47.59	
For Bituminous Coated And 25% Paved, Add	90.42	
For Smooth-Flo, Add	120.87	
33 42 11 00-0550 LF 114" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	422.14	88.12
For Bituminous Coated Pipe, Add	49.92	
For Bituminous Coated And 25% Paved, Add	94.85	
For Smooth-Flo, Add	126.80	
33 42 11 00-0551 LF 120" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	445.27	96.12
For Bituminous Coated Pipe, Add	52.29	
For Bituminous Coated And 25% Paved, Add	99.34	
For Smooth-Flo, Add	132.81	
33 42 11 00-0552 LF 126" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	469.89	104.14
For Bituminous Coated Pipe, Add	54.63	
For Bituminous Coated And 25% Paved, Add	103.79	
For Smooth-Flo, Add	138.76	
33 42 11 00-0553 LF 132" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	496.54	112.15
For Bituminous Coated Pipe, Add	56.99	
For Bituminous Coated And 25% Paved, Add	108.28	
For Smooth-Flo, Add	144.75	
33 42 11 00-0554 LF 138" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	525.63	120.16
For Bituminous Coated Pipe, Add	59.35	
For Bituminous Coated And 25% Paved, Add	112.77	
For Smooth-Flo, Add	150.75	
33 42 11 00-0555 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Piping (33 42 11 00-0482)		
33 42 11 00-0556 16 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Piping (33 42 11 00-0555)		
33 42 11 00-0557 LF 48" 16 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe.....	98.97	24.04
For Bituminous Coated Pipe, Add	13.24	
For Bituminous Coated And 25% Paved, Add	30.19	
For Smooth-Flo, Add	47.93	
33 42 11 00-0558 LF 54" 16 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe.....	117.67	27.23
For Bituminous Coated Pipe, Add	16.22	
For Bituminous Coated And 25% Paved, Add	36.99	
For Smooth-Flo, Add	58.73	
33 42 11 00-0559 LF 60" 16 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe.....	128.09	28.84
For Bituminous Coated Pipe, Add	17.65	
For Bituminous Coated And 25% Paved, Add	40.23	
For Smooth-Flo, Add	63.87	
33 42 11 00-0560 LF 66" 16 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe.....	157.87	35.25
For Bituminous Coated Pipe, Add	22.21	
For Bituminous Coated And 25% Paved, Add	50.64	
For Smooth-Flo, Add	80.41	
33 42 11 00-0561 LF 72" 16 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe.....	196.61	51.27
For Bituminous Coated Pipe, Add	23.66	
For Bituminous Coated And 25% Paved, Add	53.95	
For Smooth-Flo, Add	85.66	
33 42 11 00-0562 LF 78" 16 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe.....	212.58	56.08
For Bituminous Coated Pipe, Add	25.11	
For Bituminous Coated And 25% Paved, Add	57.25	
For Smooth-Flo, Add	90.89	
33 42 11 00-0563 LF 84" 16 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe.....	226.34	60.08
For Bituminous Coated Pipe, Add	26.55	
For Bituminous Coated And 25% Paved, Add	60.52	
For Smooth-Flo, Add	96.09	
33 42 11 00-0564 LF 90" 16 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe.....	240.08	64.08
For Bituminous Coated Pipe, Add	27.98	
For Bituminous Coated And 25% Paved, Add	63.79	
For Smooth-Flo, Add	101.28	
33 42 11 00-0565 LF 96" 16 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe.....	254.50	68.09
For Bituminous Coated Pipe, Add	29.43	
For Bituminous Coated And 25% Paved, Add	67.11	
For Smooth-Flo, Add	106.55	
33 42 11 00-0566 LF 102" 16 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe.....	271.26	72.10
For Bituminous Coated Pipe, Add	30.92	
For Bituminous Coated And 25% Paved, Add	70.50	
For Smooth-Flo, Add	111.94	
33 42 11 00-0567 14 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Piping (33 42 11 00-0555)		
33 42 11 00-0568 LF 54" 14 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe.....	130.35	27.23
For Bituminous Coated Pipe, Add	15.51	
For Bituminous Coated And 25% Paved, Add	36.46	
For Smooth-Flo, Add	66.01	



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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0569 LF 60" 14 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	142.18	28.84
For Bituminous Coated Pipe, Add	16.93	
For Bituminous Coated And 25% Paved, Add	39.79	
For Smooth-Flo, Add	72.05	
33 42 11 00-0570 LF 66" 14 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	173.25	35.25
For Bituminous Coated Pipe, Add	20.85	
For Bituminous Coated And 25% Paved, Add	48.99	
For Smooth-Flo, Add	88.70	
33 42 11 00-0571 LF 72" 14 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	213.22	51.27
For Bituminous Coated Pipe, Add	22.25	
For Bituminous Coated And 25% Paved, Add	52.29	
For Smooth-Flo, Add	94.68	
33 42 11 00-0572 LF 78" 14 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	230.69	56.08
For Bituminous Coated Pipe, Add	23.71	
For Bituminous Coated And 25% Paved, Add	55.71	
For Smooth-Flo, Add	100.88	
33 42 11 00-0573 LF 84" 14 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	245.87	60.08
For Bituminous Coated Pipe, Add	25.14	
For Bituminous Coated And 25% Paved, Add	59.08	
For Smooth-Flo, Add	106.98	
33 42 11 00-0574 LF 90" 14 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	260.31	64.08
For Bituminous Coated Pipe, Add	26.43	
For Bituminous Coated And 25% Paved, Add	62.11	
For Smooth-Flo, Add	112.45	
33 42 11 00-0575 LF 96" 14 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	276.78	68.09
For Bituminous Coated Pipe, Add	28.00	
For Bituminous Coated And 25% Paved, Add	65.80	
For Smooth-Flo, Add	119.15	
33 42 11 00-0576 LF 102" 14 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	294.73	72.10
For Bituminous Coated Pipe, Add	29.43	
For Bituminous Coated And 25% Paved, Add	69.17	
For Smooth-Flo, Add	125.23	
33 42 11 00-0577 LF 108" 14 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	314.45	80.10
For Bituminous Coated Pipe, Add	30.85	
For Bituminous Coated And 25% Paved, Add	72.49	
For Smooth-Flo, Add	131.26	
33 42 11 00-0578 LF 114" 14 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	334.03	88.12
For Bituminous Coated Pipe, Add	32.30	
For Bituminous Coated And 25% Paved, Add	75.91	
For Smooth-Flo, Add	137.44	
33 42 11 00-0579 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel		
Piping <small>(33 42 11 00-0555)</small>		
33 42 11 00-0580 LF 60" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	168.57	28.84
For Bituminous Coated Pipe, Add	22.21	
For Bituminous Coated And 25% Paved, Add	42.20	
For Smooth-Flo, Add	76.19	
33 42 11 00-0581 LF 66" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	202.31	35.25
For Bituminous Coated Pipe, Add	26.66	
For Bituminous Coated And 25% Paved, Add	50.65	
For Smooth-Flo, Add	91.44	
33 42 11 00-0582 LF 72" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	245.05	51.27
For Bituminous Coated Pipe, Add	28.62	
For Bituminous Coated And 25% Paved, Add	54.37	
For Smooth-Flo, Add	98.16	
33 42 11 00-0583 LF 78" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	264.97	56.08
For Bituminous Coated Pipe, Add	30.56	
For Bituminous Coated And 25% Paved, Add	58.07	
For Smooth-Flo, Add	104.83	
33 42 11 00-0584 LF 84" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	282.62	60.08
For Bituminous Coated Pipe, Add	32.49	
For Bituminous Coated And 25% Paved, Add	61.73	
For Smooth-Flo, Add	111.45	
33 42 11 00-0585 LF 90" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	300.41	64.08
For Bituminous Coated Pipe, Add	34.45	
For Bituminous Coated And 25% Paved, Add	65.45	
For Smooth-Flo, Add	118.16	
33 42 11 00-0586 LF 96" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	318.72	68.09
For Bituminous Coated Pipe, Add	36.39	
For Bituminous Coated And 25% Paved, Add	69.14	
For Smooth-Flo, Add	124.82	
33 42 11 00-0587 LF 102" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	339.21	72.10
For Bituminous Coated Pipe, Add	38.33	
For Bituminous Coated And 25% Paved, Add	72.82	
For Smooth-Flo, Add	131.47	
33 42 11 00-0588 LF 108" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	361.63	80.10
For Bituminous Coated Pipe, Add	40.28	
For Bituminous Coated And 25% Paved, Add	76.54	
For Smooth-Flo, Add	138.17	
33 42 11 00-0589 LF 114" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	383.66	88.12
For Bituminous Coated Pipe, Add	42.23	
For Bituminous Coated And 25% Paved, Add	80.23	
For Smooth-Flo, Add	144.84	

33 Utilities**33 40 Stormwater Utilities****33 42 Stormwater Conveyance**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0590 LF 120" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe.....	404.68	96.12
For Bituminous Coated Pipe, Add	44.17	
For Bituminous Coated And 25% Paved, Add	83.92	
For Smooth-Flo, Add	151.50	
33 42 11 00-0591 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Piping <small>(33 42 11 00-0555)</small>		
33 42 11 00-0592 LF 72" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe.....	275.53	51.27
For Bituminous Coated Pipe, Add	34.71	
For Bituminous Coated And 25% Paved, Add	65.96	
For Smooth-Flo, Add	103.62	
33 42 11 00-0593 LF 78" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe.....	298.28	56.08
For Bituminous Coated Pipe, Add	37.23	
For Bituminous Coated And 25% Paved, Add	70.73	
For Smooth-Flo, Add	111.12	
33 42 11 00-0594 LF 84" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe.....	318.59	60.08
For Bituminous Coated Pipe, Add	39.69	
For Bituminous Coated And 25% Paved, Add	75.40	
For Smooth-Flo, Add	118.46	
33 42 11 00-0595 LF 90" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe.....	338.78	64.08
For Bituminous Coated Pipe, Add	42.12	
For Bituminous Coated And 25% Paved, Add	80.03	
For Smooth-Flo, Add	125.73	
33 42 11 00-0596 LF 96" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe.....	359.70	68.09
For Bituminous Coated Pipe, Add	44.59	
For Bituminous Coated And 25% Paved, Add	84.71	
For Smooth-Flo, Add	133.09	
33 42 11 00-0597 LF 102" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe.....	382.70	72.10
For Bituminous Coated Pipe, Add	47.03	
For Bituminous Coated And 25% Paved, Add	89.35	
For Smooth-Flo, Add	140.37	
33 42 11 00-0598 LF 108" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe.....	407.64	80.10
For Bituminous Coated Pipe, Add	49.49	
For Bituminous Coated And 25% Paved, Add	94.02	
For Smooth-Flo, Add	147.72	
33 42 11 00-0599 LF 114" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe.....	432.23	88.12
For Bituminous Coated Pipe, Add	51.94	
For Bituminous Coated And 25% Paved, Add	98.69	
For Smooth-Flo, Add	155.04	
33 42 11 00-0600 LF 120" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe.....	455.74	96.12
For Bituminous Coated Pipe, Add	54.38	
For Bituminous Coated And 25% Paved, Add	103.32	
For Smooth-Flo, Add	162.32	
33 42 11 00-0601 LF 126" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe.....	484.77	104.14
For Bituminous Coated Pipe, Add	57.60	
For Bituminous Coated And 25% Paved, Add	109.45	
For Smooth-Flo, Add	171.95	
33 42 11 00-0602 LF 132" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe.....	512.90	112.15
For Bituminous Coated Pipe, Add	60.26	
For Bituminous Coated And 25% Paved, Add	114.49	
For Smooth-Flo, Add	179.88	
33 42 11 00-0603 LF 138" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe.....	543.98	120.16
For Bituminous Coated Pipe, Add	63.02	
For Bituminous Coated And 25% Paved, Add	119.74	
For Smooth-Flo, Add	188.12	
33 42 11 00-0604 Helical Ribbed, Galvanized Corrugated Steel Piping <small>(33 42 11 00-0462)</small>		
33 42 11 00-0605 16 Gauge, Helical Ribbed, Galvanized Corrugated Steel Piping <small>(33 42 11 00-0604)</small>		
33 42 11 00-0606 LF 18" 16 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe.....	35.60	9.28
For Bituminous Coated Pipe, Add	4.08	
33 42 11 00-0607 LF 21" 16 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe.....	40.38	10.05
For Bituminous Coated Pipe, Add	4.86	
33 42 11 00-0608 LF 24" 16 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe.....	44.88	10.82
For Bituminous Coated Pipe, Add	5.52	
33 42 11 00-0609 LF 30" 16 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe.....	59.05	13.91
For Bituminous Coated Pipe, Add	7.11	
33 42 11 00-0610 LF 36" 16 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe.....	75.64	17.62
For Bituminous Coated Pipe, Add	8.91	
33 42 11 00-0611 LF 42" 16 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe.....	85.89	20.83
For Bituminous Coated Pipe, Add	10.51	
33 42 11 00-0612 LF 48" 16 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe.....	96.79	24.04
For Bituminous Coated Pipe, Add	11.83	
33 42 11 00-0613 LF 54" 16 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe.....	114.97	27.23
For Bituminous Coated Pipe, Add	14.49	
33 42 11 00-0614 LF 60" 16 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe.....	125.41	28.84
For Bituminous Coated Pipe, Add	15.82	
33 42 11 00-0615 14 Gauge, Helical Ribbed, Galvanized Corrugated Steel Piping <small>(33 42 11 00-0604)</small>		
33 42 11 00-0616 LF 18" 14 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe.....	38.52	9.28
For Bituminous Coated Pipe, Add	4.72	



	Utilities	33	
	Stormwater Utilities	33 40	33
	Stormwater Conveyance	33 42	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0617	LF	21"	14 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	43.80 5.61	10.05
33 42 11 00-0618	LF	24"	14 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	48.77 6.37	10.82
33 42 11 00-0619	LF	30"	14 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	63.89 8.17	13.91
33 42 11 00-0620	LF	36"	14 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	81.46 10.18	17.62
33 42 11 00-0621	LF	42"	14 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	92.70 11.99	20.83
33 42 11 00-0622	LF	48"	14 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	104.56 13.53	24.04
33 42 11 00-0623	LF	54"	14 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	123.72 16.39	27.23
33 42 11 00-0624	LF	60"	14 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	135.15 17.93	28.84
33 42 11 00-0625	LF	66"	14 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	165.47 22.28	35.25
33 42 11 00-0626	LF	72"	14 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	205.02 23.81	51.27
33 42 11 00-0627	LF	78"	14 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	221.93 25.36	56.08
33 42 11 00-0628			12 Gauge, Helical Ribbed, Galvanized Corrugated Steel Piping (33 42 11 00-0604)		
33 42 11 00-0629	LF	30"	12 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	73.69 8.54	13.91
33 42 11 00-0630	LF	36"	12 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	93.17 10.54	17.62
33 42 11 00-0631	LF	42"	12 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	106.41 12.40	20.83
33 42 11 00-0632	LF	48"	12 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	120.21 14.02	24.04
33 42 11 00-0633	LF	54"	12 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	141.34 16.74	27.23
33 42 11 00-0634	LF	60"	12 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	154.75 18.38	28.84
33 42 11 00-0635	LF	66"	12 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	186.98 22.29	35.25
33 42 11 00-0636	LF	72"	12 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	228.46 23.91	51.27
33 42 11 00-0637	LF	78"	12 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	247.30 25.54	56.08
33 42 11 00-0638	LF	84"	12 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	263.92 27.17	60.08
33 42 11 00-0639	LF	90"	12 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	280.52 28.79	64.08
33 42 11 00-0640	LF	96"	12 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	297.71 30.42	68.09
33 42 11 00-0641	LF	102"	12 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	316.15 31.86	72.10
33 42 11 00-0642			1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Piping (33 42 11 00-0462)		
33 42 11 00-0643			1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Piping (33 42 11 00-0642)		
33 42 11 00-0644	LF	6"	18 Gauge, 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	13.53 1.04	4.64
33 42 11 00-0645	LF	6"	16 Gauge, 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	14.40 1.25	4.64
33 42 11 00-0646	LF	8"	18 Gauge, 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	16.87 1.38	5.80
33 42 11 00-0647	LF	8"	16 Gauge, 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	17.98 1.65	5.80
33 42 11 00-0648	LF	10"	18 Gauge, 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	21.33 1.73	6.96
33 42 11 00-0649	LF	10"	16 Gauge, 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	22.74 2.08	6.96
33 42 11 00-0650			Perforated, 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Piping (33 42 11 00-0642)		
33 42 11 00-0651	LF	6"	18 Gauge, Perforated, 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	13.66 1.03	4.64
33 42 11 00-0652	LF	6"	16 Gauge, Perforated, 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	14.50 1.23	4.64
33 42 11 00-0653	LF	8"	18 Gauge, Perforated, 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	16.99 1.35	5.80
33 42 11 00-0654	LF	8"	16 Gauge, Perforated, 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	18.17 1.63	5.80
33 42 11 00-0655	LF	10"	18 Gauge, Perforated, 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	21.54 1.71	6.96
33 42 11 00-0656	LF	10"	16 Gauge, Perforated, 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	22.98 2.05	6.96

33 Utilities**33 40 Stormwater Utilities****33 42 Stormwater Conveyance**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0657 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe Fittings <small>(33 42 11 00-0642)</small>		
EA 6" 18 Gauge, Connection Band For 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe <i>For Bituminous Coated Pipe, Add</i>	6.44 1.45	
EA 8" 18 Gauge, Connection Band For 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe <i>For Bituminous Coated Pipe, Add</i>	8.52 1.92	
EA 10" 18 Gauge, Connection Band For 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe <i>For Bituminous Coated Pipe, Add</i>	10.45 2.35	
EA 6" 18 Gauge, Band Elbows For 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	23.22 3.20	
EA 6" End Caps For 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe <i>For Bituminous Coated Pipe, Add</i>	6.38 0.73	
EA 8" End Caps For 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe <i>For Bituminous Coated Pipe, Add</i>	7.88 1.10	
33 42 11 00-0664 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Piping <small>(33 42 11 00-0462)</small>		
33 42 11 00-0665 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Piping <small>(33 42 11 00-0664)</small>		
LF 12" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	38.59	8.12
LF 15" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	44.83	8.50
LF 18" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	51.27	9.28
LF 21" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	59.18	10.05
LF 24" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	65.86	10.82
LF 30" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	86.43	13.91
LF 36" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	110.46	17.62
LF 42" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	127.23	20.83
LF 48" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	142.86	24.04
33 42 11 00-0675 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Piping <small>(33 42 11 00-0664)</small>		
LF 12" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	43.29	8.12
LF 15" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	50.66	8.50
LF 18" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	58.25	9.28
LF 21" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	67.26	10.05
LF 24" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	75.24	10.82
LF 30" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	97.95	13.91
LF 36" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	124.37	17.62
LF 42" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	143.19	20.83
LF 48" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	161.07	24.04
LF 54" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	194.30	27.23
33 42 11 00-0686 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Piping <small>(33 42 11 00-0664)</small>		
LF 18" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	72.79	9.28
LF 21" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	84.24	10.05
LF 24" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	94.55	10.82
LF 30" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	122.07	13.91
LF 36" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	147.40	17.62
LF 42" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	176.93	20.83
LF 48" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	199.58	24.04
LF 54" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	238.24	27.23
LF 60" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	260.29	28.84
LF 66" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	318.44	35.25
33 42 11 00-0697 10 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Piping <small>(33 42 11 00-0664)</small>		
LF 36" 10 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	179.75	17.62
LF 42" 10 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	207.67	20.83
LF 48" 10 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	234.50	24.04
LF 54" 10 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	277.36	27.23
LF 60" 10 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	303.83	28.84
LF 66" 10 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	366.26	35.25
LF 72" 10 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	420.64	51.27
33 42 11 00-0705 3" x 1" Corrugation, Polymeric Corrugated Steel Piping <small>(33 42 11 00-0462)</small>		
33 42 11 00-0706 16 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Piping <small>(33 42 11 00-0705)</small>		
LF 36" 16 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	137.16	17.62
LF 42" 16 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	158.02	20.83
LF 48" 16 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	177.38	24.04
LF 54" 16 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	213.94	27.23
LF 60" 16 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	232.95	28.84
LF 66" 16 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	295.55	35.25
LF 72" 16 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	343.23	51.27
LF 78" 16 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	368.16	56.08
LF 84" 16 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	390.96	60.08



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Stormwater Utilities	33 40	
Stormwater Conveyance	33 42	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0716 LF 90" 16 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	413.78	64.08
33 42 11 00-0717 LF 96" 16 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	437.11	68.09
33 42 11 00-0718 LF 102" 16 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	462.78	72.10
33 42 11 00-0719 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Piping (33 42 11 00-0705)		
33 42 11 00-0720 LF 54" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	239.08	27.23
33 42 11 00-0721 LF 60" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	260.74	28.84
33 42 11 00-0722 LF 66" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	326.16	35.25
33 42 11 00-0723 LF 72" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	376.53	51.27
33 42 11 00-0724 LF 78" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	404.18	56.08
33 42 11 00-0725 LF 84" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	429.80	60.08
33 42 11 00-0726 LF 90" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	455.26	64.08
33 42 11 00-0727 LF 96" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	481.30	68.09
33 42 11 00-0728 LF 102" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	509.70	72.10
33 42 11 00-0729 LF 108" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	539.88	80.10
33 42 11 00-0730 LF 114" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	569.42	88.12
33 42 11 00-0731 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Piping (33 42 11 00-0705)		
33 42 11 00-0732 LF 60" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	323.98	28.84
33 42 11 00-0733 LF 66" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	396.51	35.25
33 42 11 00-0734 LF 72" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	452.98	51.27
33 42 11 00-0735 LF 78" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	486.76	56.08
33 42 11 00-0736 LF 84" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	518.47	60.08
33 42 11 00-0737 LF 90" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	550.07	64.08
33 42 11 00-0738 LF 96" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	582.29	68.09
33 42 11 00-0739 LF 102" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	616.79	72.10
33 42 11 00-0740 LF 108" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	653.02	80.10
33 42 11 00-0741 LF 114" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	688.77	88.12
33 42 11 00-0742 LF 120" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	723.79	96.12
33 42 11 00-0743 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Piping (33 42 11 00-0705)		
33 42 11 00-0744 LF 72" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	522.64	51.27
33 42 11 00-0745 LF 78" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	562.09	56.08
33 42 11 00-0746 LF 84" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	599.53	60.08
33 42 11 00-0747 LF 90" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	636.83	64.08
33 42 11 00-0748 LF 96" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	674.78	68.09
33 42 11 00-0749 LF 102" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	714.99	72.10
33 42 11 00-0750 LF 108" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	756.94	80.10
33 42 11 00-0751 LF 114" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	798.38	88.12
33 42 11 00-0752 LF 120" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	839.12	96.12
33 42 11 00-0753 LF 126" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	881.24	104.14
33 42 11 00-0754 LF 132" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	925.50	112.15
33 42 11 00-0755 LF 138" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	972.22	120.16
33 42 11 00-0756 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Piping (33 42 11 00-0462)		
33 42 11 00-0757 16 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Piping (33 42 11 00-0756)		
33 42 11 00-0758 LF 48" 16 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	171.96	24.04
33 42 11 00-0759 LF 54" 16 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	207.97	27.23
33 42 11 00-0760 LF 60" 16 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	226.11	28.84
33 42 11 00-0761 LF 66" 16 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	282.84	35.25
33 42 11 00-0762 LF 72" 16 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	329.49	51.27
33 42 11 00-0763 LF 78" 16 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	353.33	56.08
33 42 11 00-0764 LF 84" 16 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	374.91	60.08
33 42 11 00-0765 LF 90" 16 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	396.43	64.08
33 42 11 00-0766 LF 96" 16 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	418.75	68.09
33 42 11 00-0767 LF 102" 16 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	443.66	72.10
33 42 11 00-0768 14 Gauge, 125mm x 25mm Corrugation, Polymeric Corrugated Steel Piping (33 42 11 00-0756)		
33 42 11 00-0769 LF 54" 14 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	237.84	27.23
33 42 11 00-0770 LF 60" 14 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	259.38	28.84
33 42 11 00-0771 LF 66" 14 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	319.12	35.25
33 42 11 00-0772 LF 72" 14 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	368.69	51.27
33 42 11 00-0773 LF 78" 14 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	396.08	56.08
33 42 11 00-0774 LF 84" 14 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	420.98	60.08
33 42 11 00-0775 LF 90" 14 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	444.17	64.08
33 42 11 00-0776 LF 96" 14 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	471.33	68.09
33 42 11 00-0777 LF 102" 14 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	499.02	72.10
33 42 11 00-0778 LF 108" 14 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	528.35	80.10
33 42 11 00-0779 LF 114" 14 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	557.81	88.12

33 Utilities**33 40 Stormwater Utilities****33 42 Stormwater Conveyance**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0780			12 Gauge, 125mm x 25mm Corrugation, Polymeric Corrugated Steel Piping <small>(33 42 11 00-0756)</small>		
33 42 11 00-0781	LF		60" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	326.05	28.84
33 42 11 00-0782	LF		66" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	392.89	35.25
33 42 11 00-0783	LF		72" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	449.43	51.27
33 42 11 00-0784	LF		78" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	482.94	56.08
33 42 11 00-0785	LF		84" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	514.10	60.08
33 42 11 00-0786	LF		90" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	545.61	64.08
33 42 11 00-0787	LF		96" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	577.54	68.09
33 42 11 00-0788	LF		102" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	611.57	72.10
33 42 11 00-0789	LF		108" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	647.71	80.10
33 42 11 00-0790	LF		114" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	683.35	88.12
33 42 11 00-0791	LF		120" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	717.96	96.12
33 42 11 00-0792			10 Gauge, 125mm x 25mm Corrugation, Polymeric Corrugated Steel Piping <small>(33 42 11 00-0756)</small>		
33 42 11 00-0793	LF		72" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	522.61	51.27
33 42 11 00-0794	LF		78" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	562.93	56.08
33 42 11 00-0795	LF		84" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	600.49	60.08
33 42 11 00-0796	LF		90" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	637.77	64.08
33 42 11 00-0797	LF		96" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	675.89	68.09
33 42 11 00-0798	LF		102" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	716.04	72.10
33 42 11 00-0799	LF		108" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	758.17	80.10
33 42 11 00-0800	LF		114" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	799.95	88.12
33 42 11 00-0801	LF		120" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	840.60	96.12
33 42 11 00-0802	LF		126" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	892.19	104.14
33 42 11 00-0803	LF		132" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	938.96	112.15
33 42 11 00-0804	LF		138" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	989.36	120.16
33 42 11 00-0805			Galvanized Corrugated Steel Pipe-Arch <small>(33 42 11 00-0461)</small>		
33 42 11 00-0806			2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch <small>(33 42 11 00-0805)</small>		
33 42 11 00-0807			16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch <small>(33 42 11 00-0806)</small>		
33 42 11 00-0808	LF		17" x 13" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch	29.37	8.50
			<i>For Bituminous Coated Pipe, Add</i>	2.97	
			<i>For Bituminous Coated And 25% Paved, Add</i>	7.17	
			<i>For Smooth-Flo, Add</i>	11.83	
33 42 11 00-0809	LF		21" x 15" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch	32.32	9.28
			<i>For Bituminous Coated Pipe, Add</i>	3.54	
			<i>For Bituminous Coated And 25% Paved, Add</i>	8.57	
			<i>For Smooth-Flo, Add</i>	14.13	
33 42 11 00-0810	LF		24" x 18" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch	36.65	10.05
			<i>For Bituminous Coated Pipe, Add</i>	4.27	
			<i>For Bituminous Coated And 25% Paved, Add</i>	10.31	
			<i>For Smooth-Flo, Add</i>	17.01	
33 42 11 00-0811	LF		28" x 20" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch	40.92	10.82
			<i>For Bituminous Coated Pipe, Add</i>	4.91	
			<i>For Bituminous Coated And 25% Paved, Add</i>	11.88	
			<i>For Smooth-Flo, Add</i>	19.59	
33 42 11 00-0812	LF		35" x 24" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch	53.59	13.91
			<i>For Bituminous Coated Pipe, Add</i>	6.24	
			<i>For Bituminous Coated And 25% Paved, Add</i>	15.09	
			<i>For Smooth-Flo, Add</i>	24.88	
33 42 11 00-0813	LF		42" x 29" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch	69.70	17.62
			<i>For Bituminous Coated Pipe, Add</i>	8.05	
			<i>For Bituminous Coated And 25% Paved, Add</i>	19.46	
			<i>For Smooth-Flo, Add</i>	32.09	
33 42 11 00-0814			14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch <small>(33 42 11 00-0806)</small>		
33 42 11 00-0815	LF		17" x 13" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch	31.78	8.50
			<i>For Bituminous Coated Pipe, Add</i>	3.08	
			<i>For Bituminous Coated And 25% Paved, Add</i>	7.20	
			<i>For Smooth-Flo, Add</i>	11.81	
33 42 11 00-0816	LF		21" x 15" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch	35.26	9.28
			<i>For Bituminous Coated Pipe, Add</i>	3.69	
			<i>For Bituminous Coated And 25% Paved, Add</i>	8.64	
			<i>For Smooth-Flo, Add</i>	14.17	
33 42 11 00-0817	LF		24" x 18" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch	39.93	10.05
			<i>For Bituminous Coated Pipe, Add</i>	4.39	
			<i>For Bituminous Coated And 25% Paved, Add</i>	10.27	
			<i>For Smooth-Flo, Add</i>	16.84	
33 42 11 00-0818	LF		28" x 20" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch	44.72	10.82
			<i>For Bituminous Coated Pipe, Add</i>	5.06	
			<i>For Bituminous Coated And 25% Paved, Add</i>	11.84	
			<i>For Smooth-Flo, Add</i>	19.41	



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Stormwater Utilities	33 40	
Stormwater Conveyance	33 42	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0819 LF 35" x 24" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	58.33 6.41 14.99 24.59	13.91
33 42 11 00-0820 LF 42" x 29" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	75.34 8.16 19.09 31.32	17.62
33 42 11 00-0821 LF 49" x 33" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	86.00 9.72 22.75 37.31	20.83
33 42 11 00-0822 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch <small>(33 42 11 00-0806)</small>		
33 42 11 00-0823 LF 21" x 15" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	44.96 3.99 8.89 13.66	9.61
33 42 11 00-0824 LF 24" x 18" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	50.99 4.74 10.54 16.21	10.41
33 42 11 00-0825 LF 28" x 20" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	57.03 5.43 12.09 18.59	11.21
33 42 11 00-0826 LF 35" x 24" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	74.04 6.84 15.22 23.41	14.42
33 42 11 00-0827 LF 42" x 29" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	86.85 8.56 19.05 29.29	17.62
33 42 11 00-0828 LF 49" x 33" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	99.29 10.12 22.53 34.64	20.83
33 42 11 00-0829 LF 57" x 38" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	115.40 12.00 26.72 41.08	24.04
33 42 11 00-0830 LF 64" x 43" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	129.40 13.26 29.50 45.36	27.23
33 42 11 00-0831 10 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch <small>(33 42 11 00-0806)</small>		
33 42 11 00-0832 LF 42" x 29" 10 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	97.69 10.31 21.71 27.38	17.62
33 42 11 00-0833 LF 49" x 33" 10 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	111.92 12.16 25.61 32.30	20.83
33 42 11 00-0834 LF 57" x 38" 10 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	129.71 14.31 30.13 38.00	24.04
33 42 11 00-0835 LF 64" x 43" 10 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	145.59 15.87 33.41 42.14	27.23
33 42 11 00-0836 LF 71" x 47" 10 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	159.40 17.42 36.68 46.26	28.84
33 42 11 00-0837 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch <small>(33 42 11 00-0805)</small>		
33 42 11 00-0838 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch <small>(33 42 11 00-0837)</small>		
33 42 11 00-0839 LF 60" x 46" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	129.25 15.29 46.49 52.00	27.23

33 Utilities**33 40 Stormwater Utilities****33 42 Stormwater Conveyance**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0840	LF		66" x 51" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	141.19 16.74 50.88 56.90	28.84
33 42 11 00-0841	LF		73" x 55" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	174.12 21.02 63.90 71.47	35.25
33 42 11 00-0842	LF		81" x 59" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	214.64 22.54 68.51 76.62	51.27
33 42 11 00-0843	LF		87" x 63" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	232.78 24.13 73.34 82.03	56.08
33 42 11 00-0844	LF		95" x 67" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	248.80 25.73 78.21 87.48	60.08
33 42 11 00-0845	LF		103" x 71" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	264.76 27.32 83.05 92.88	64.08
33 42 11 00-0846	LF		112" x 75" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	281.30 28.91 87.87 98.28	68.09
33 42 11 00-0847			12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch <small>(33 42 11 00-0837)</small>		
33 42 11 00-0848	LF		66" x 51" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	166.10 21.72 56.90 67.33	28.84
33 42 11 00-0849	LF		73" x 55" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	201.75 26.55 69.55 82.29	35.25
33 42 11 00-0850	LF		81" x 59" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	244.71 28.55 74.80 88.51	51.27
33 42 11 00-0851	LF		87" x 63" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	265.29 30.63 80.25 94.95	56.08
33 42 11 00-0852	LF		95" x 67" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	283.73 32.71 85.71 101.41	60.08
33 42 11 00-0853	LF		103" x 71" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	302.14 34.79 91.16 107.86	64.08
33 42 11 00-0854	LF		112" x 75" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	321.10 36.87 96.59 114.28	68.09
33 42 11 00-0855	LF		117" x 79" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	342.38 38.96 102.08 120.78	72.10
33 42 11 00-0856	LF		128" x 83" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	365.43 41.04 107.54 127.24	80.10
33 42 11 00-0857	LF		137" x 87" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	389.19 43.33 113.53 134.33	88.12
33 42 11 00-0858			10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch <small>(33 42 11 00-0837)</small>		
33 42 11 00-0859	LF		81" x 59" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	272.65 34.14 81.25 88.25	51.27
33 42 11 00-0860	LF		87" x 63" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	295.54 36.68 87.29 94.81	56.08



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	Stormwater Utilities	33 40
	Stormwater Conveyance	33 42

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0861	LF		95" x 67" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	316.27 39.22 93.35 101.39	60.08
33 42 11 00-0862	LF		103" x 71" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	336.94 41.75 99.37 107.93	64.08
33 42 11 00-0863	LF		112" x 75" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	358.21 44.29 105.41 114.48	68.09
33 42 11 00-0864	LF		117" x 79" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	381.76 46.84 111.47 121.08	72.10
33 42 11 00-0865	LF		128" x 83" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	407.10 49.38 117.52 127.64	80.10
33 42 11 00-0866	LF		137" x 87" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	432.97 52.09 123.97 134.65	88.12
33 42 11 00-0867	LF		142" x 91" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	460.55 55.34 131.71 143.06	96.12
33 42 11 00-0868			125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch <small>(33 42 11 00-0868)</small>		
33 42 11 00-0869			12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch <small>(33 42 11 00-0869)</small>		
33 42 11 00-0870	LF		81" x 59" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	247.45 29.10 71.00 90.35	51.27
33 42 11 00-0871	LF		87" x 63" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	267.76 31.12 75.94 96.63	56.08
33 42 11 00-0872	LF		95" x 67" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	285.77 33.12 80.82 102.84	60.08
33 42 11 00-0873	LF		103" x 71" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	303.78 35.12 85.70 109.05	64.08
33 42 11 00-0874	LF		112" x 75" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	322.45 37.14 90.61 115.31	68.09
33 42 11 00-0875	LF		117" x 79" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	343.50 39.19 95.61 121.67	72.10
33 42 11 00-0876	LF		128" x 83" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	366.32 41.22 100.58 127.99	80.10
33 42 11 00-0877	LF		137" x 87" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	391.41 43.78 106.81 135.92	88.12
33 42 11 00-0878			10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch <small>(33 42 11 00-0878)</small>		
33 42 11 00-0879	LF		81" x 59" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	278.38 35.28 79.74 86.62	51.27
33 42 11 00-0880	LF		87" x 63" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	301.16 37.80 85.43 92.80	56.08
33 42 11 00-0881	LF		95" x 67" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	321.69 40.31 91.09 98.95	60.08

33 Utilities**33 40 Stormwater Utilities****33 42 Stormwater Conveyance**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0882	LF		103" x 71" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	342.29 42.82 96.78 105.13	64.08
33 42 11 00-0883	LF		112" x 75" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	363.05 45.26 102.28 111.10	68.09
33 42 11 00-0884	LF		117" x 79" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	386.95 47.88 108.20 117.54	72.10
33 42 11 00-0885	LF		128" x 83" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	412.33 50.42 113.96 123.79	80.10
33 42 11 00-0886	LF		137" x 87" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	439.96 53.49 120.88 131.31	88.12
33 42 11 00-0887	LF		142" x 91" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	465.72 56.38 127.41 138.40	96.12
33 42 11 00-0888			2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch (33 42 11 00-0805)		
33 42 11 00-0889			16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch (33 42 11 00-0888)		
33 42 11 00-0890	LF		17" x 13" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	44.87	8.50
33 42 11 00-0891	LF		21" x 15" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	50.84	9.28
33 42 11 00-0892	LF		24" x 18" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	59.00	10.05
33 42 11 00-0893	LF		28" x 20" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	66.72	10.82
33 42 11 00-0894	LF		35" x 24" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	86.45	13.91
33 42 11 00-0895	LF		42" x 29" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	112.38	17.62
33 42 11 00-0896			14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch (33 42 11 00-0888)		
33 42 11 00-0897	LF		17" x 13" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	50.40	8.50
33 42 11 00-0898	LF		21" x 15" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	57.60	9.28
33 42 11 00-0899	LF		24" x 18" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	66.54	10.05
33 42 11 00-0900	LF		28" x 20" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	75.49	10.82
33 42 11 00-0901	LF		35" x 24" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	97.35	13.91
33 42 11 00-0902	LF		42" x 29" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	125.35	17.62
33 42 11 00-0903	LF		49" x 33" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	145.70	20.83
33 42 11 00-0904			12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch (33 42 11 00-0888)		
33 42 11 00-0905	LF		21" x 15" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	74.17	9.28
33 42 11 00-0906	LF		24" x 18" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	86.17	10.05
33 42 11 00-0907	LF		28" x 20" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	97.71	10.82
33 42 11 00-0908	LF		35" x 24" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	125.08	13.91
33 42 11 00-0909	LF		42" x 29" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	158.85	17.62
33 42 11 00-0910	LF		49" x 33" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	184.71	20.83
33 42 11 00-0911	LF		57" x 38" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	217.39	24.04
33 42 11 00-0912	LF		64" x 43" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	241.73	27.23
33 42 11 00-0913			10 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch (33 42 11 00-0888)		
33 42 11 00-0914	LF		42" x 29" 10 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	185.12	17.62
33 42 11 00-0915	LF		49" x 33" 10 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	215.37	20.83
33 42 11 00-0916	LF		57" x 38" 10 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	252.15	24.04
33 42 11 00-0917	LF		64" x 43" 10 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	281.03	27.23
33 42 11 00-0918	LF		64" x 43" 10 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	307.79	28.84
33 42 11 00-0919			3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch (33 42 11 00-0805)		
33 42 11 00-0920			14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch (33 42 11 00-0919)		
33 42 11 00-0921	LF		60" x 46" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch.....	244.02	27.23
33 42 11 00-0922	LF		66" x 51" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch.....	266.55	28.84
33 42 11 00-0923	LF		73" x 55" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch.....	332.90	35.25
33 42 11 00-0924	LF		81" x 59" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch.....	384.62	51.27
33 42 11 00-0925	LF		87" x 63" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch.....	414.57	56.08
33 42 11 00-0926	LF		95" x 67" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch.....	442.41	60.08
33 42 11 00-0927	LF		103" x 71" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch.....	470.15	64.08
33 42 11 00-0928	LF		112" x 75" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch.....	498.52	68.09



	Utilities	33	
	Stormwater Utilities	33 40	CS
	Stormwater Conveyance	33 42	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0929 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch <small>(33 42 11 00-0919)</small>		
33 42 11 00-0930 LF 66" x 51" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	329.91	28.84
33 42 11 00-0931 LF 73" x 55" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	403.43	35.25
33 42 11 00-0932 LF 81" x 59" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	461.38	51.27
33 42 11 00-0933 LF 87" x 63" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	497.45	56.08
33 42 11 00-0934 LF 95" x 67" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	531.44	60.08
33 42 11 00-0935 LF 103" x 71" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	565.40	64.08
33 42 11 00-0936 LF 112" x 75" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	599.86	68.09
33 42 11 00-0937 LF 117" x 79" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	636.73	72.10
33 42 11 00-0938 LF 128" x 83" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	675.32	80.10
33 42 11 00-0939 LF 137" x 87" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	716.17	88.12
33 42 11 00-0940 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch <small>(33 42 11 00-0919)</small>		
33 42 11 00-0941 LF 81" x 59" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	531.02	51.27
33 42 11 00-0942 LF 87" x 63" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	572.84	56.08
33 42 11 00-0943 LF 95" x 67" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	612.59	60.08
33 42 11 00-0944 LF 103" x 71" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	652.14	64.08
33 42 11 00-0945 LF 112" x 75" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	692.34	68.09
33 42 11 00-0946 LF 117" x 79" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	734.91	72.10
33 42 11 00-0947 LF 128" x 83" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	779.23	80.10
33 42 11 00-0948 LF 137" x 87" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	825.31	88.12
33 42 11 00-0949 LF 142" x 91" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	877.17	96.12
33 42 11 00-0950 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch <small>(33 42 11 00-0805)</small>		
33 42 11 00-0951 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch <small>(33 42 11 00-0950)</small>		
33 42 11 00-0952 LF 81" x 59" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch	455.12	51.27
33 42 11 00-0953 LF 87" x 63" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch	489.62	56.08
33 42 11 00-0954 LF 95" x 67" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch	521.66	60.08
33 42 11 00-0955 LF 103" x 71" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch	553.66	64.08
33 42 11 00-0956 LF 112" x 75" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch	586.44	68.09
33 42 11 00-0957 LF 117" x 79" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch	621.86	72.10
33 42 11 00-0958 LF 128" x 83" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch	658.93	80.10
33 42 11 00-0959 LF 137" x 87" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch	701.90	88.12
33 42 11 00-0960 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch <small>(33 42 11 00-0950)</small>		
33 42 11 00-0961 LF 81" x 59" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch	529.40	51.27
33 42 11 00-0962 LF 87" x 63" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch	569.79	56.08
33 42 11 00-0963 LF 95" x 67" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch	607.86	60.08
33 42 11 00-0964 LF 103" x 71" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch	646.09	64.08
33 42 11 00-0965 LF 112" x 75" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch	683.93	68.09
33 42 11 00-0966 LF 117" x 79" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch	726.16	72.10
33 42 11 00-0967 LF 128" x 83" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch	769.42	80.10
33 42 11 00-0968 LF 137" x 87" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch	818.56	88.12
33 42 11 00-0969 LF 142" x 91" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch	864.46	96.12
33 42 11 00-0970 Aluminized Type 2 Corrugated Steel Piping <small>(33 42 11 00-0461)</small>		
33 42 11 00-0971 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Piping <small>(33 42 11 00-0970)</small>		
33 42 11 00-0972 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Piping <small>(33 42 11 00-0971)</small>		
33 42 11 00-0973 LF 12" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	27.78	8.12
For 1/2 Bituminous Coated And 25% Paved, Add	4.41	
33 42 11 00-0974 LF 15" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	31.22	8.50
For 1/2 Bituminous Coated And 25% Paved, Add	5.56	
33 42 11 00-0975 LF 18" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	34.77	9.28
For 1/2 Bituminous Coated And 25% Paved, Add	6.74	
33 42 11 00-0976 LF 21" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	39.46	10.05
For 1/2 Bituminous Coated And 25% Paved, Add	8.06	
33 42 11 00-0977 LF 24" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	43.64	10.82
For 1/2 Bituminous Coated And 25% Paved, Add	9.07	
33 42 11 00-0978 LF 30" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	57.66	13.91
For 1/2 Bituminous Coated And 25% Paved, Add	11.77	
33 42 11 00-0979 LF 36" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	74.13	17.62
For 1/2 Bituminous Coated And 25% Paved, Add	14.85	
33 42 11 00-0980 LF 42" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	84.25	20.83
For 1/2 Bituminous Coated And 25% Paved, Add	17.56	
33 42 11 00-0981 LF 48" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	94.72	24.04
For 1/2 Bituminous Coated And 25% Paved, Add	19.68	

33 Utilities**33 40 Stormwater Utilities****33 42 Stormwater Conveyance**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0982			14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Piping <small>(33 42 11 00-0971)</small>		
33 42 11 00-0983	LF		12" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	30.17 4.19	8.12
33 42 11 00-0984	LF		15" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	34.16 5.26	8.50
33 42 11 00-0985	LF		18" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	38.27 6.36	9.28
33 42 11 00-0986	LF		21" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	43.53 7.56	10.05
33 42 11 00-0987	LF		24" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	48.36 8.56	10.82
33 42 11 00-0988	LF		30" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	63.44 11.00	13.91
33 42 11 00-0989	LF		36" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	81.12 13.78	17.62
33 42 11 00-0990	LF		42" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	92.30 16.23	20.83
33 42 11 00-0991	LF		48" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	103.89 18.23	24.04
33 42 11 00-0992	LF		54" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	123.94 22.42	27.23
33 42 11 00-0993			12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Piping <small>(33 42 11 00-0971)</small>		
33 42 11 00-0994	LF		18" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	45.65 5.93	9.28
33 42 11 00-0995	LF		21" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	52.13 7.01	10.05
33 42 11 00-0996	LF		24" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	58.14 7.94	10.82
33 42 11 00-0997	LF		30" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	75.64 10.13	13.91
33 42 11 00-0998	LF		36" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	95.84 12.57	17.62
33 42 11 00-0999	LF		42" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	109.36 14.74	20.83
33 42 11 00-1000	LF		48" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	123.35 16.63	24.04
33 42 11 00-1001	LF		54" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	146.17 20.08	27.23
33 42 11 00-1002	LF		60" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	159.62 21.95	28.84
33 42 11 00-1003	LF		66" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	194.60 27.00	35.25
33 42 11 00-1004			10 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Piping <small>(33 42 11 00-0971)</small>		
33 42 11 00-1005	LF		36" 10 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	109.08 13.77	17.62
33 42 11 00-1006	LF		42" 10 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	124.84 16.14	20.83
33 42 11 00-1007	LF		48" 10 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	140.93 18.22	24.04
33 42 11 00-1008	LF		54" 10 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	165.88 21.72	27.23
33 42 11 00-1009	LF		60" 10 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	181.56 23.82	28.84
33 42 11 00-1010	LF		66" 10 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	218.69 28.74	35.25
33 42 11 00-1011	LF		72" 10 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	262.42 30.81	51.27
33 42 11 00-1012			3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Piping <small>(33 42 11 00-0970)</small>		
33 42 11 00-1013			16 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Piping <small>(33 42 11 00-1012)</small>		
33 42 11 00-1014	LF		36" 16 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	84.54 16.51	17.62
33 42 11 00-1015	LF		42" 16 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	96.16 19.38	20.83
33 42 11 00-1016	LF		48" 16 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	108.11 21.74	24.04
33 42 11 00-1017	LF		54" 16 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	128.64 26.55	27.23
33 42 11 00-1018	LF		60" 16 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	140.16 28.93	28.84
33 42 11 00-1019	LF		66" 16 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	175.18 37.16	35.25



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MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-1020	LF		72" 16 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	215.11 39.60	51.27
33 42 11 00-1021	LF		78" 16 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	232.31 42.06	56.08
33 42 11 00-1022	LF		84" 16 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	247.36 44.52	60.08
33 42 11 00-1023	LF		90" 16 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	262.40 46.98	64.08
33 42 11 00-1024	LF		96" 16 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	278.02 49.44	68.09
33 42 11 00-1025	LF		102" 16 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	295.90 51.92	72.10
33 42 11 00-1026			14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Piping <small>(33 42 11 00-1026)</small>		
33 42 11 00-1027	LF		54" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	140.60 23.01	27.23
33 42 11 00-1028	LF		60" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	153.37 25.12	28.84
33 42 11 00-1029	LF		66" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	189.72 31.62	35.25
33 42 11 00-1030	LF		72" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	230.96 33.80	51.27
33 42 11 00-1031	LF		78" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	249.44 35.97	56.08
33 42 11 00-1032	LF		84" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	265.83 38.17	60.08
33 42 11 00-1033	LF		90" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	282.14 40.34	64.08
33 42 11 00-1034	LF		96" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	299.03 42.51	68.09
33 42 11 00-1035	LF		102" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	318.19 44.70	72.10
33 42 11 00-1036	LF		108" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	339.17 46.89	80.10
33 42 11 00-1037	LF		114" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	359.70 49.04	88.12
33 42 11 00-1038			12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Piping <small>(33 42 11 00-1038)</small>		
33 42 11 00-1039	LF		60" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	182.75 33.69	28.84
33 42 11 00-1040	LF		66" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	222.25 41.22	35.25
33 42 11 00-1041	LF		72" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	266.31 44.21	51.27
33 42 11 00-1042	LF		78" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	287.67 47.21	56.08
33 42 11 00-1043	LF		84" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	306.90 50.23	60.08
33 42 11 00-1044	LF		90" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	326.08 53.24	64.08
33 42 11 00-1045	LF		96" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	345.83 56.24	68.09
33 42 11 00-1046	LF		102" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	367.84 59.25	72.10
33 42 11 00-1047	LF		108" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	391.66 62.26	80.10
33 42 11 00-1048	LF		114" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	415.06 65.24	88.12
33 42 11 00-1049	LF		120" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	437.58 68.26	96.12
33 42 11 00-1050			10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Piping <small>(33 42 11 00-1050)</small>		
33 42 11 00-1051	LF		72" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	299.29 54.27	51.27
33 42 11 00-1052	LF		78" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	323.30 58.07	56.08
33 42 11 00-1053	LF		84" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	345.24 61.90	60.08
33 42 11 00-1054	LF		90" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	367.10 65.71	64.08
33 42 11 00-1055	LF		96" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	389.59 69.53	68.09
33 42 11 00-1056	LF		102" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	414.33 73.36	72.10
33 42 11 00-1057	LF		108" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	440.81 77.17	80.10
33 42 11 00-1058	LF		114" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	466.91 80.95	88.12

33 Utilities**33 40 Stormwater Utilities****33 42 Stormwater Conveyance**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-1059 LF 120" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	492.16	96.12
<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	84.79	
33 42 11 00-1060 LF 126" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	518.89	104.14
<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	88.59	
33 42 11 00-1061 LF 132" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	547.65	112.15
<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	92.41	
33 42 11 00-1062 LF 138" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	578.86	120.16
<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	96.25	
33 42 11 00-1063 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Piping		
<small>(33 42 11 00-0970)</small>		
33 42 11 00-1064 16 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Piping		
<small>(33 42 11 00-1063)</small>		
33 42 11 00-1065 LF 48" 16 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	108.50	24.04
<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	26.93	
33 42 11 00-1066 LF 54" 16 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	129.34	27.23
<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	33.00	
33 42 11 00-1067 LF 60" 16 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	140.76	28.84
<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	35.88	
33 42 11 00-1068 LF 66" 16 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	173.83	35.25
<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	45.17	
33 42 11 00-1069 LF 72" 16 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	213.60	51.27
<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	48.12	
33 42 11 00-1070 LF 78" 16 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	230.63	56.08
<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	51.06	
33 42 11 00-1071 LF 84" 16 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	245.42	60.08
<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	53.99	
33 42 11 00-1072 LF 90" 16 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	260.18	64.08
<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	56.90	
33 42 11 00-1073 LF 96" 16 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	275.66	68.09
<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	59.86	
33 42 11 00-1074 LF 102" 16 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	293.49	72.10
<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	62.89	
33 42 11 00-1075 14 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Piping		
<small>(33 42 11 00-1063)</small>		
33 42 11 00-1076 LF 54" 14 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	144.28	27.23
<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	31.11	
33 42 11 00-1077 LF 60" 14 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	157.42	28.84
<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	33.97	
33 42 11 00-1078 LF 66" 14 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	191.97	35.25
<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	41.80	
33 42 11 00-1079 LF 72" 14 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	233.23	51.27
<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	44.63	
33 42 11 00-1080 LF 78" 14 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	252.00	56.08
<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	47.55	
33 42 11 00-1081 LF 84" 14 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	268.46	60.08
<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	50.42	
33 42 11 00-1082 LF 90" 14 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	284.07	64.08
<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	53.01	
33 42 11 00-1083 LF 96" 14 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	301.93	68.09
<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	56.15	
33 42 11 00-1084 LF 102" 14 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	321.18	72.10
<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	59.03	
33 42 11 00-1085 LF 108" 14 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	342.18	80.10
<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	61.87	
33 42 11 00-1086 LF 114" 14 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	363.07	88.12
<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	64.78	
33 42 11 00-1087 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Piping		
<small>(33 42 11 00-1063)</small>		
33 42 11 00-1088 LF 60" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	188.55	28.84
<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	37.48	
33 42 11 00-1089 LF 66" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	226.29	35.25
<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	44.98	
33 42 11 00-1090 LF 72" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	270.81	51.27
<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	48.29	
33 42 11 00-1091 LF 78" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	292.46	56.08
<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	51.57	
33 42 11 00-1092 LF 84" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	311.87	60.08
<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	54.83	
33 42 11 00-1093 LF 90" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	331.43	64.08
<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	58.13	
33 42 11 00-1094 LF 96" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	351.47	68.09
<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	61.40	
33 42 11 00-1095 LF 102" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	373.71	72.10
<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	64.68	
33 42 11 00-1096 LF 108" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	397.88	80.10
<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	67.97	



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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-1097 LF 114" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe.....	421.67	88.12
For 1/2 Bituminous Coated And 25% Paved, Add	71.25	
33 42 11 00-1098 LF 120" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe.....	444.44	96.12
For 1/2 Bituminous Coated And 25% Paved, Add	74.53	
33 42 11 00-1099 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Piping (33 42 11 00-1063)		
33 42 11 00-1100 LF 72" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe.....	306.79	51.27
For 1/2 Bituminous Coated And 25% Paved, Add	58.58	
33 42 11 00-1101 LF 78" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe.....	331.80	56.08
For 1/2 Bituminous Coated And 25% Paved, Add	62.82	
33 42 11 00-1102 LF 84" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe.....	354.33	60.08
For 1/2 Bituminous Coated And 25% Paved, Add	66.97	
33 42 11 00-1103 LF 90" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe.....	376.72	64.08
For 1/2 Bituminous Coated And 25% Paved, Add	71.09	
33 42 11 00-1104 LF 96" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe.....	399.82	68.09
For 1/2 Bituminous Coated And 25% Paved, Add	75.23	
33 42 11 00-1105 LF 102" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe.....	425.05	72.10
For 1/2 Bituminous Coated And 25% Paved, Add	79.36	
33 42 11 00-1106 LF 108" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe.....	452.19	80.10
For 1/2 Bituminous Coated And 25% Paved, Add	83.51	
33 42 11 00-1107 LF 114" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe.....	478.98	88.12
For 1/2 Bituminous Coated And 25% Paved, Add	87.64	
33 42 11 00-1108 LF 120" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe.....	504.70	96.12
For 1/2 Bituminous Coated And 25% Paved, Add	91.77	
33 42 11 00-1109 LF 126" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe.....	536.65	104.14
For 1/2 Bituminous Coated And 25% Paved, Add	97.21	
33 42 11 00-1110 LF 132" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe.....	567.16	112.15
For 1/2 Bituminous Coated And 25% Paved, Add	101.69	
33 42 11 00-1111 LF 138" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe.....	600.71	120.16
For 1/2 Bituminous Coated And 25% Paved, Add	106.35	
33 42 11 00-1112 Helical Ribbed, Aluminized Type 2 Corrugated Steel Piping (33 42 11 00-0970)		
33 42 11 00-1113 16 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Piping (33 42 11 00-1112)		
33 42 11 00-1114 LF 18" 16 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe.....	38.79	9.28
33 42 11 00-1115 LF 21" 16 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe.....	44.11	10.05
33 42 11 00-1116 LF 24" 16 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe.....	49.15	10.82
33 42 11 00-1117 LF 30" 16 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe.....	64.38	13.91
33 42 11 00-1118 LF 36" 16 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe.....	82.02	17.62
33 42 11 00-1119 LF 42" 16 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe.....	93.35	20.83
33 42 11 00-1120 LF 48" 16 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe.....	105.30	24.04
33 42 11 00-1121 LF 54" 16 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe.....	124.57	27.23
33 42 11 00-1122 LF 60" 16 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe.....	136.07	28.84
33 42 11 00-1123 14 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Piping (33 42 11 00-1112)		
33 42 11 00-1124 LF 18" 14 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe.....	42.25	9.28
33 42 11 00-1125 LF 21" 14 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe.....	48.16	10.05
33 42 11 00-1126 LF 24" 14 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe.....	53.74	10.82
33 42 11 00-1127 LF 30" 14 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe.....	70.11	13.91
33 42 11 00-1128 LF 36" 14 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe.....	88.92	17.62
33 42 11 00-1129 LF 42" 14 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe.....	101.42	20.83
33 42 11 00-1130 LF 48" 14 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe.....	114.52	24.04
33 42 11 00-1131 LF 54" 14 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe.....	134.93	27.23
33 42 11 00-1132 LF 60" 14 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe.....	147.62	28.84
33 42 11 00-1133 LF 66" 14 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe.....	179.31	35.25
33 42 11 00-1134 LF 72" 14 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe.....	220.10	51.27
33 42 11 00-1135 LF 78" 14 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe.....	238.25	56.08
33 42 11 00-1136 12 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Piping (33 42 11 00-1112)		
33 42 11 00-1137 LF 30" 12 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe.....	81.73	13.91
33 42 11 00-1138 LF 36" 12 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe.....	102.83	17.62
33 42 11 00-1139 LF 42" 12 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe.....	117.72	20.83
33 42 11 00-1140 LF 48" 12 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe.....	133.11	24.04
33 42 11 00-1141 LF 54" 12 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe.....	155.84	27.23
33 42 11 00-1142 LF 60" 12 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe.....	170.88	28.84
33 42 11 00-1143 LF 66" 12 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe.....	204.85	35.25
33 42 11 00-1144 LF 72" 12 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe.....	247.93	51.27
33 42 11 00-1145 LF 78" 12 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe.....	268.39	56.08
33 42 11 00-1146 LF 84" 12 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe.....	286.60	60.08
33 42 11 00-1147 LF 90" 12 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe.....	304.84	64.08
33 42 11 00-1148 LF 96" 12 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe.....	323.60	68.09
33 42 11 00-1149 LF 102" 12 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe.....	343.48	72.10
33 42 11 00-1150 Aluminized Type 2 Corrugated Steel Pipe-Arch (33 42 11 00-0461)		

33 Utilities**33 40 Stormwater Utilities****33 42 Stormwater Conveyance**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
33 42 11 00-1151		2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch ⁽³³⁾			
33 42 11 00-1152		16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch ^(33 42 11 00-1151)			
33 42 11 00-1153	LF	17" x 13" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	32.03 7.18		8.50
33 42 11 00-1154	LF	21" x 15" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	35.49 8.58		9.28
33 42 11 00-1155	LF	24" x 18" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	40.45 10.32		10.05
33 42 11 00-1156	LF	28" x 20" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	45.31 11.89		10.82
33 42 11 00-1157	LF	35" x 24" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	59.17 15.11		13.91
33 42 11 00-1158	LF	42" x 29" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	76.89 19.48		17.62
33 42 11 00-1159		14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch ^(33 42 11 00-1151)			
33 42 11 00-1160	LF	17" x 13" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	34.97 7.44		8.50
33 42 11 00-1161	LF	21" x 15" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	39.06 8.91		9.28
33 42 11 00-1162	LF	24" x 18" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	44.47 10.60		10.05
33 42 11 00-1163	LF	28" x 20" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	49.96 12.23		10.82
33 42 11 00-1164	LF	35" x 24" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	64.97 15.49		13.91
33 42 11 00-1165	LF	42" x 29" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	83.80 19.73		17.62
33 42 11 00-1166	LF	49" x 33" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	96.07 23.50		20.83
33 42 11 00-1167		12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch ^(33 42 11 00-1151)			
33 42 11 00-1168	LF	21" x 15" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	46.34 8.16		9.28
33 42 11 00-1169	LF	24" x 18" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	53.10 9.70		10.05
33 42 11 00-1170	LF	28" x 20" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	59.74 11.14		10.82
33 42 11 00-1171	LF	35" x 24" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	77.17 14.06		13.91
33 42 11 00-1172	LF	42" x 29" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	98.54 17.68		17.62
33 42 11 00-1173	LF	49" x 33" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	113.27 20.95		20.83
33 42 11 00-1174	LF	57" x 38" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	132.32 24.94		24.04
33 42 11 00-1175	LF	64" x 43" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	147.93 27.50		27.23
33 42 11 00-1176		10 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch ^(33 42 11 00-1151)			
33 42 11 00-1177	LF	42" x 29" 10 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	111.78 18.60		17.62
33 42 11 00-1178	LF	49" x 33" 10 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	128.71 21.98		20.83
33 42 11 00-1179	LF	57" x 38" 10 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	149.83 25.96		24.04
33 42 11 00-1180	LF	64" x 43" 10 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	167.73 28.74		27.23
33 42 11 00-1181	LF	71" x 47" 10 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	183.56 31.51		28.84
33 42 11 00-1182		3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch ^(33 42 11 00-1150)			
33 42 11 00-1183		14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch ^(33 42 11 00-1182)			
33 42 11 00-1184	LF	60" x 46" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	142.96 41.30		27.23
33 42 11 00-1185	LF	66" x 51" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	156.18 45.19		28.84
33 42 11 00-1186	LF	73" x 55" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	192.96 56.76		35.25



Utilities	33	CS
Stormwater Utilities	33 40	
Stormwater Conveyance	33 42	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-1187	LF		81" x 59" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	234.82 60.85	51.27
33 42 11 00-1188	LF		87" x 63" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	254.41 65.16	56.08
33 42 11 00-1189	LF		95" x 67" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	271.83 69.46	60.08
33 42 11 00-1190	LF		103" x 71" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	289.22 73.76	64.08
33 42 11 00-1191	LF		112" x 75" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	307.21 78.06	68.09
33 42 11 00-1192			12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch <small>(33 42 11 00-1192)</small>		
33 42 11 00-1193	LF		66" x 51" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	185.58 51.36	28.84
33 42 11 00-1194	LF		73" x 55" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	225.55 62.77	35.25
33 42 11 00-1195	LF		81" x 59" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	270.31 67.51	51.27
33 42 11 00-1196	LF		87" x 63" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	292.73 72.41	56.08
33 42 11 00-1197	LF		95" x 67" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	313.06 77.35	60.08
33 42 11 00-1198	LF		103" x 71" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	333.34 82.27	64.08
33 42 11 00-1199	LF		112" x 75" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	354.17 87.18	68.09
33 42 11 00-1200	LF		117" x 79" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	377.31 92.13	72.10
33 42 11 00-1201	LF		128" x 83" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	402.22 97.05	80.10
33 42 11 00-1202	LF		137" x 87" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	428.05 102.46	88.12
33 42 11 00-1203			10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch <small>(33 42 11 00-1192)</small>		
33 42 11 00-1204	LF		81" x 59" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	303.26 73.07	51.27
33 42 11 00-1205	LF		87" x 63" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	328.42 78.51	56.08
33 42 11 00-1206	LF		95" x 67" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	351.45 83.96	60.08
33 42 11 00-1207	LF		103" x 71" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	374.38 89.37	64.08
33 42 11 00-1208	LF		112" x 75" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	399.75 95.46	68.09
33 42 11 00-1209	LF		112" x 75" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	423.77 100.26	72.10
33 42 11 00-1210	LF		128" x 83" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	451.40 105.70	80.10
33 42 11 00-1211	LF		137" x 87" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	479.68 111.50	88.12
33 42 11 00-1212	LF		142" x 91" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	510.18 118.46	96.12
33 42 11 00-1213			125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch <small>(33 42 11 00-1150)</small>		
33 42 11 00-1214			12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch <small>(33 42 11 00-1213)</small>		
33 42 11 00-1215	LF		81" x 59" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	273.64 66.44	51.27
33 42 11 00-1216	LF		87" x 63" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	295.76 71.06	56.08
33 42 11 00-1217	LF		95" x 67" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	315.60 75.64	60.08
33 42 11 00-1218	LF		103" x 71" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	335.41 80.20	64.08
33 42 11 00-1219	LF		112" x 75" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	355.88 84.80	68.09
33 42 11 00-1220	LF		117" x 79" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	378.77 89.47	72.10
33 42 11 00-1221	LF		128" x 83" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	403.43 94.13	80.10
33 42 11 00-1222	LF		137" x 87" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	430.81 99.95	88.12

33 Utilities**33 40 Stormwater Utilities****33 42 Stormwater Conveyance**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-1223 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch <small>(33 42 11 00-1213)</small>		
33 42 11 00-1224 LF 81" x 59" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	310.14	51.27
<i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	73.70	
33 42 11 00-1225 LF 87" x 63" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	335.19	56.08
<i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	78.96	
33 42 11 00-1226 LF 95" x 67" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	357.97	60.08
<i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	84.18	
33 42 11 00-1227 LF 103" x 71" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	380.83	64.08
<i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	89.44	
33 42 11 00-1228 LF 112" x 75" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	403.80	68.09
<i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	94.53	
33 42 11 00-1229 LF 117" x 79" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	430.04	72.10
<i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	99.99	
33 42 11 00-1230 LF 128" x 83" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	457.74	80.10
<i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	105.33	
33 42 11 00-1231 LF 137" x 87" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	488.11	88.12
<i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	111.72	
33 42 11 00-1232 LF 142" x 91" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	516.48	96.12
<i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	117.75	
33 42 11 00-1233 Spiral Lockseam Corrugated Aluminum Piping <small>(33 42 11 00-0461)</small>		
33 42 11 00-1234 1-1/2" x 1/4" Corrugation, Spiral Lockseam Corrugated Aluminum Piping <small>(33 42 11 00-1233)</small>		
33 42 11 00-1235 18 Gauge, 1-1/2" x 1/4" Corrugation, Spiral Lockseam Corrugated Aluminum Piping <small>(33 42 11 00-1234)</small>		
33 42 11 00-1236 LF 6" 18 Gauge, 1-1/2" x 1/4" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	16.39	4.64
<i>For Bituminous Coated Pipe, Add</i>	1.37	
33 42 11 00-1237 LF 8" 18 Gauge, 1-1/2" x 1/4" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	20.90	5.80
<i>For Bituminous Coated Pipe, Add</i>	1.85	
33 42 11 00-1238 LF 10" 18 Gauge, 1-1/2" x 1/4" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	26.98	6.96
<i>For Bituminous Coated Pipe, Add</i>	2.44	
33 42 11 00-1239 16 Gauge, 1-1/2" x 1/4" Corrugation, Spiral Lockseam Corrugated Aluminum Piping <small>(33 42 11 00-1234)</small>		
33 42 11 00-1240 LF 6" 16 Gauge, 1-1/2" x 1/4" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	17.96	4.64
<i>For Bituminous Coated Pipe, Add</i>	1.35	
33 42 11 00-1241 LF 8" 16 Gauge, 1-1/2" x 1/4" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	23.11	5.80
<i>For Bituminous Coated Pipe, Add</i>	1.85	
33 42 11 00-1242 LF 10" 16 Gauge, 1-1/2" x 1/4" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	29.94	6.96
<i>For Bituminous Coated Pipe, Add</i>	2.45	
33 42 11 00-1243 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Piping <small>(33 42 11 00-1233)</small>		
33 42 11 00-1244 16 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Piping <small>(33 42 11 00-1243)</small>		
33 42 11 00-1245 LF 12" 16 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	31.38	8.12
<i>For Bituminous Coated Pipe, Add</i>	2.69	
33 42 11 00-1246 LF 15" 16 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	35.69	8.50
<i>For Bituminous Coated Pipe, Add</i>	3.37	
33 42 11 00-1247 LF 18" 16 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	40.24	9.28
<i>For Bituminous Coated Pipe, Add</i>	4.10	
33 42 11 00-1248 LF 21" 16 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	45.96	10.05
<i>For Bituminous Coated Pipe, Add</i>	4.89	
33 42 11 00-1249 LF 24" 16 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	51.17	10.82
<i>For Bituminous Coated Pipe, Add</i>	5.55	
33 42 11 00-1250 14 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Piping <small>(33 42 11 00-1243)</small>		
33 42 11 00-1251 LF 12" 14 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	34.74	8.12
<i>For Bituminous Coated Pipe, Add</i>	2.63	
33 42 11 00-1252 LF 15" 14 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	39.97	8.50
<i>For Bituminous Coated Pipe, Add</i>	3.31	
33 42 11 00-1253 LF 18" 14 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	45.37	9.28
<i>For Bituminous Coated Pipe, Add</i>	4.01	
33 42 11 00-1254 LF 21" 14 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	51.91	10.05
<i>For Bituminous Coated Pipe, Add</i>	4.76	
33 42 11 00-1255 LF 24" 14 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	58.00	10.82
<i>For Bituminous Coated Pipe, Add</i>	5.41	
33 42 11 00-1256 LF 30" 14 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	75.70	13.91
<i>For Bituminous Coated Pipe, Add</i>	6.93	
33 42 11 00-1257 LF 36" 14 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	96.03	17.62
<i>For Bituminous Coated Pipe, Add</i>	8.62	



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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-1258 12 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Piping <small>(33 42 11 00-1243)</small>		
33 42 11 00-1259 LF 24" 12 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe <i>For Bituminous Coated Pipe, Add</i>	71.05 5.14	10.82
33 42 11 00-1260 LF 30" 12 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe <i>For Bituminous Coated Pipe, Add</i>	91.95 6.53	13.91
33 42 11 00-1261 LF 36" 12 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe <i>For Bituminous Coated Pipe, Add</i>	115.55 8.05	17.62
33 42 11 00-1262 LF 42" 12 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe <i>For Bituminous Coated Pipe, Add</i>	132.71 9.47	20.83
33 42 11 00-1263 LF 48" 12 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe <i>For Bituminous Coated Pipe, Add</i>	150.07 10.72	24.04
33 42 11 00-1264 LF 54" 12 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe <i>For Bituminous Coated Pipe, Add</i>	176.23 12.72	27.23
33 42 11 00-1265 10 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Piping <small>(33 42 11 00-1243)</small>		
33 42 11 00-1266 LF 36" 10 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe <i>For Bituminous Coated Pipe, Add</i>	136.34 7.92	17.62
33 42 11 00-1267 LF 42" 10 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe <i>For Bituminous Coated Pipe, Add</i>	156.94 9.29	20.83
33 42 11 00-1268 LF 48" 10 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe <i>For Bituminous Coated Pipe, Add</i>	177.83 10.55	24.04
33 42 11 00-1269 LF 54" 10 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe <i>For Bituminous Coated Pipe, Add</i>	207.46 12.37	27.23
33 42 11 00-1270 LF 60" 10 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe <i>For Bituminous Coated Pipe, Add</i>	227.96 13.64	28.84
33 42 11 00-1271 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Piping <small>(33 42 11 00-1233)</small>		
33 42 11 00-1272 16 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Piping <small>(33 42 11 00-1271)</small>		
33 42 11 00-1273 LF 30" 16 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe 33 42 11 00-1274 LF 36" 16 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe 33 42 11 00-1275 LF 42" 16 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe 33 42 11 00-1276 LF 48" 16 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe 33 42 11 00-1277 LF 54" 16 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	74.64 94.71 107.97 122.23 143.98	13.91 17.62 20.83 24.04 27.23
33 42 11 00-1278 14 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Piping <small>(33 42 11 00-1271)</small>		
33 42 11 00-1279 LF 30" 14 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe 33 42 11 00-1280 LF 36" 14 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe 33 42 11 00-1281 LF 42" 14 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe 33 42 11 00-1282 LF 48" 14 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe 33 42 11 00-1283 LF 54" 14 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe 33 42 11 00-1284 LF 60" 14 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe 33 42 11 00-1285 LF 66" 14 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe 33 42 11 00-1286 LF 72" 14 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe 33 42 11 00-1287 LF 78" 14 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	83.20 106.92 122.14 137.70 162.10 177.19 215.32 258.73 279.42	13.91 17.62 20.83 24.04 27.23 28.84 35.25 51.27 56.08
33 42 11 00-1288 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Piping <small>(33 42 11 00-1271)</small>		
33 42 11 00-1289 LF 30" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe 33 42 11 00-1290 LF 36" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe 33 42 11 00-1291 LF 42" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe 33 42 11 00-1292 LF 48" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe 33 42 11 00-1293 LF 54" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe 33 42 11 00-1294 LF 60" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe 33 42 11 00-1295 LF 66" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe 33 42 11 00-1296 LF 72" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe 33 42 11 00-1297 LF 78" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe 33 42 11 00-1298 LF 84" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe 33 42 11 00-1299 LF 90" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe 33 42 11 00-1300 LF 96" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	103.18 129.38 148.99 168.49 196.66 215.46 257.29 304.51 328.94 351.25 373.50 396.34	13.91 17.62 20.83 24.04 27.23 28.84 35.25 51.27 56.08 60.08 64.08 68.09
33 42 11 00-1301 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Piping <small>(33 42 11 00-1271)</small>		
33 42 11 00-1302 LF 60" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe 33 42 11 00-1303 LF 66" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe 33 42 11 00-1304 LF 72" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe 33 42 11 00-1305 LF 78" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe 33 42 11 00-1306 LF 84" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe 33 42 11 00-1307 LF 90" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe 33 42 11 00-1308 LF 96" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	255.72 299.88 350.91 379.17 405.24 431.31 457.94	28.84 35.25 51.27 56.08 60.08 64.08 68.09

33 Utilities**33 40 Stormwater Utilities****33 42 Stormwater Conveyance**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-1309 LF 102" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	486.87	72.10
33 42 11 00-1310 LF 108" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	517.57	80.10
33 42 11 00-1311 Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Piping <small>(33 42 11 00-1233)</small>		
Note: Contech ULTRA FLO. HS 20 and HS 25 vehicular loading.		
33 42 11 00-1312 16 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Piping <small>(33 42 11 00-1311)</small>		
33 42 11 00-1313 LF 18" 16 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	51.76	9.28
33 42 11 00-1314 LF 21" 16 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	55.69	10.05
33 42 11 00-1315 LF 24" 16 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	66.48	10.82
33 42 11 00-1316 LF 27" 16 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	76.76	12.37
33 42 11 00-1317 LF 30" 16 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	86.36	13.91
33 42 11 00-1318 LF 33" 16 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	95.77	15.46
33 42 11 00-1319 14 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Piping <small>(33 42 11 00-1311)</small>		
33 42 11 00-1320 LF 18" 14 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	59.00	9.28
33 42 11 00-1321 LF 21" 14 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	67.82	10.05
33 42 11 00-1322 LF 24" 14 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	76.21	10.82
33 42 11 00-1323 LF 27" 14 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	87.68	12.37
33 42 11 00-1324 LF 30" 14 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	98.48	13.91
33 42 11 00-1325 LF 33" 14 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	109.13	15.46
33 42 11 00-1326 LF 36" 14 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	123.53	17.62
33 42 11 00-1327 LF 42" 14 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	142.02	20.83
33 42 11 00-1328 LF 48" 14 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	160.67	24.04
33 42 11 00-1329 12 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Piping <small>(33 42 11 00-1311)</small>		
33 42 11 00-1330 LF 30" 12 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	122.17	13.91
33 42 11 00-1331 LF 33" 12 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	135.13	15.46
33 42 11 00-1332 LF 36" 12 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	151.95	17.62
33 42 11 00-1333 LF 42" 12 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	175.19	20.83
33 42 11 00-1334 LF 48" 12 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	198.58	24.04
33 42 11 00-1335 LF 54" 12 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	271.98	27.23
33 42 11 00-1336 LF 60" 12 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	299.18	28.84
33 42 11 00-1337 10 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Piping <small>(33 42 11 00-1311)</small>		
33 42 11 00-1338 LF 48" 10 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	275.84	24.04
33 42 11 00-1339 LF 54" 10 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	319.60	27.23
33 42 11 00-1340 LF 60" 10 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	352.16	28.84
33 42 11 00-1341 LF 66" 10 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	409.70	35.25
33 42 11 00-1342 LF 72" 10 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	469.86	51.27
33 42 11 00-1343 LF 78" 10 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	507.68	56.08
33 42 11 00-1344 LF 84" 10 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	543.02	60.08
33 42 11 00-1345 Spiral Lockseam Aluminum Pipe-Arch <small>(33 42 11 00-0461)</small>		
33 42 11 00-1346 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch <small>(33 42 11 00-1345)</small>		
33 42 11 00-1347 16 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch <small>(33 42 11 00-1346)</small>		
33 42 11 00-1348 LF 17" x 13" 16 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch.....	37.21	8.50
For Bituminous Coated Pipe, Add	3.38	
33 42 11 00-1349 LF 21" x 15" 16 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch.....	41.69	9.28
For Bituminous Coated Pipe, Add	4.04	
33 42 11 00-1350 LF 24" x 18" 16 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch.....	47.61	10.05
For Bituminous Coated Pipe, Add	4.80	
33 42 11 00-1351 14 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch <small>(33 42 11 00-1346)</small>		
33 42 11 00-1352 LF 17" x 13" 14 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch.....	41.50	8.50
For Bituminous Coated Pipe, Add	3.37	
33 42 11 00-1353 LF 21" x 15" 14 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch.....	45.80	9.28
For Bituminous Coated Pipe, Add	3.88	
33 42 11 00-1354 LF 24" x 18" 14 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch.....	53.56	10.05
For Bituminous Coated Pipe, Add	4.77	
33 42 11 00-1355 LF 28" x 20" 14 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch.....	60.23	10.82
For Bituminous Coated Pipe, Add	5.47	
33 42 11 00-1356 LF 35" x 24" 14 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch.....	77.93	13.91
For Bituminous Coated Pipe, Add	6.92	
33 42 11 00-1357 12 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch <small>(33 42 11 00-1346)</small>		



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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-1358	LF	28" x 20" 12 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch..... <i>For Bituminous Coated Pipe, Add</i>	73.29 5.21	10.82
33 42 11 00-1359	LF	35" x 24" 12 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch..... <i>For Bituminous Coated Pipe, Add</i>	94.21 6.57	13.91
33 42 11 00-1360	LF	42" x 29" 12 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch..... <i>For Bituminous Coated Pipe, Add</i>	119.38 8.20	17.62
33 42 11 00-1361	LF	49" x 33" 12 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch..... <i>For Bituminous Coated Pipe, Add</i>	137.76 9.70	20.83
33 42 11 00-1362		10 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch		
		<small>(33 42 11 00-1346)</small>		
33 42 11 00-1363	LF	42" x 29" 10 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch..... <i>For Bituminous Coated Pipe, Add</i>	140.14 7.91	17.62
33 42 11 00-1364	LF	49" x 33" 10 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch..... <i>For Bituminous Coated Pipe, Add</i>	162.02 9.34	20.83
33 42 11 00-1365	LF	57" x 38" 10 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch..... <i>For Bituminous Coated Pipe, Add</i>	188.05 10.94	24.04
33 42 11 00-1366	LF	64" x 43" 10 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch..... <i>For Bituminous Coated Pipe, Add</i>	210.82 12.17	27.23
33 42 11 00-1367		3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch <small>(33 42 11 00-1346)</small>		
33 42 11 00-1368		14 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch <small>(33 42 11 00-1367)</small>		
33 42 11 00-1369	LF	60" x 46" 14 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch.....	165.46	27.23
33 42 11 00-1370	LF	66" x 51" 14 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch.....	181.09	28.84
33 42 11 00-1371	LF	73" x 55" 14 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch.....	220.14	35.25
33 42 11 00-1372		12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch <small>(33 42 11 00-1367)</small>		
33 42 11 00-1373	LF	60" x 46" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch.....	200.02	27.23
33 42 11 00-1374	LF	66" x 51" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch.....	219.36	28.84
33 42 11 00-1375	LF	73" x 55" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch.....	261.95	35.25
33 42 11 00-1376	LF	81" x 59" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch.....	309.51	51.27
33 42 11 00-1377	LF	87" x 63" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch.....	334.30	56.08
33 42 11 00-1378	LF	95" x 67" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch.....	356.96	60.08
33 42 11 00-1379		10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch <small>(33 42 11 00-1367)</small>		
33 42 11 00-1380	LF	66" x 51" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch.....	259.56	28.84
33 42 11 00-1381	LF	73" x 55" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch.....	304.36	35.25
33 42 11 00-1382	LF	81" x 59" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch.....	355.74	51.27
33 42 11 00-1383	LF	87" x 63" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch.....	384.35	56.08
33 42 11 00-1384	LF	95" x 67" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch.....	410.77	60.08
33 42 11 00-1385	LF	103" x 71" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch.....	437.18	64.08
33 42 11 00-1386		Corrugated Steel Pipe Fittings <small>(33 42 11 00-0461)</small>		
		Note: Equivalent pipe-arch sizes are approximate.		
33 42 11 00-1387		Fabricate 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fittings <small>(33 42 11 00-1386)</small>		
		Note: Excludes material. Use appropriate size, gauge, corrugation and type of material from pipe sections for the listed requirements of pipe needed.		
33 42 11 00-1388	EA	Fabricate 6" 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 2' Of Appropriate Pipe)	70.17	
33 42 11 00-1389	EA	Fabricate 8" 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 2' Of Appropriate Pipe)	88.00	
33 42 11 00-1390	EA	Fabricate 10" 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 2' Of Appropriate Pipe)	105.82	
33 42 11 00-1391	EA	Fabricate 12" 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 4' Of Appropriate Pipe)	124.77	
33 42 11 00-1392	EA	Fabricate 15" (Or 17" x 13" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 4' Of Appropriate Pipe).....	151.49	
33 42 11 00-1393	EA	Fabricate 18" (Or 21" x 15" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 4' Of Appropriate Pipe).....	178.21	
33 42 11 00-1394	EA	Fabricate 21" (Or 24" x 18" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 4' Of Appropriate Pipe).....	204.95	
33 42 11 00-1395	EA	Fabricate 24" (Or 28" x 20" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 4' Of Appropriate Pipe).....	231.67	
33 42 11 00-1396	EA	Fabricate 30" (Or 35" x 24" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 6' Of Appropriate Pipe).....	301.86	
33 42 11 00-1397	EA	Fabricate 36" (Or 42" x 29" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 6' Of Appropriate Pipe).....	359.78	
33 42 11 00-1398	EA	Fabricate 42" (Or 49" x 33" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 6' Of Appropriate Pipe).....	417.70	
33 42 11 00-1399	EA	Fabricate 48" (Or 57" x 38" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 6' Of Appropriate Pipe).....	540.23	
33 42 11 00-1400	EA	Fabricate 54" (Or 64" x 43" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 8' Of Appropriate Pipe).....	609.30	
33 42 11 00-1401	EA	Fabricate 60" (Or 71" x 47" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 8' Of Appropriate Pipe).....	680.58	
33 42 11 00-1402	EA	Fabricate 66" (Or 77" x 52" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 8' Of Appropriate Pipe).....	754.10	

33 Utilities**33 40 Stormwater Utilities****33 42 Stormwater Conveyance**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-1403 EA Fabricate 72" (Or 83" x 57" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 10' Of Appropriate Pipe).....	918.95	
33 42 11 00-1404 EA Fabricate 78" (Or 87" x 63" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 10' Of Appropriate Pipe).....	1,002.48	
33 42 11 00-1405 EA Fabricate 84" (Or 95" x 67" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 10' Of Appropriate Pipe).....	1,088.25	
33 42 11 00-1406 EA Fabricate 90" (Or 103" x 71" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 12' Of Appropriate Pipe).....	1,335.52	
33 42 11 00-1407 EA Fabricate 96" (Or 112" x 75" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 12' Of Appropriate Pipe).....	1,433.56	
33 42 11 00-1408 EA Fabricate 102" (Or 117" x 79" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 12' Of Appropriate Pipe).....	1,532.69	
33 42 11 00-1409 EA Fabricate 108" (Or 128" x 83" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 14' Of Appropriate Pipe).....	1,631.81	
33 42 11 00-1410 EA Fabricate 114" (Or 137" x 87" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 14' Of Appropriate Pipe).....	1,729.83	
33 42 11 00-1411 EA Fabricate 120" (Or 142" x 91" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 14' Of Appropriate Pipe).....	1,828.98	
33 42 11 00-1412 EA Fabricate 126" 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 16' Of Appropriate Pipe).....	1,933.50	
33 42 11 00-1413 EA Fabricate 132" 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 16' Of Appropriate Pipe).....	2,044.00	
33 42 11 00-1414 EA Fabricate 138" 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 16' Of Appropriate Pipe).....	2,160.78	

33 42 11 00-1415**Fabricate Corrugated Steel Pipe Tees Or Laterals** (33 42 11 00-1386)

Note: Fabrication charge excludes material. Use appropriate size, gauge, corrugation and type of material from pipe sections for the listed requirements of pipe needed.

33 42 11 00-1416 EA Fabricate 6" Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 3' Of Appropriate Pipe).....	91.34	
33 42 11 00-1417 EA Fabricate 8" Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 3' Of Appropriate Pipe).....	116.96	
33 42 11 00-1418 EA Fabricate 10" Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 3' Of Appropriate Pipe).....	142.56	
33 42 11 00-1419 EA Fabricate 12" Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 3' Of Appropriate Pipe).....	168.20	
33 42 11 00-1420 EA Fabricate 15" (Or 17" x 13" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 4' Of Appropriate Pipe).....	204.95	
33 42 11 00-1421 EA Fabricate 18" (Or 21" x 15" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 6' Of Appropriate Pipe).....	242.81	
33 42 11 00-1422 EA Fabricate 21" (Or 24" x 18" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 6' Of Appropriate Pipe).....	280.71	
33 42 11 00-1423 EA Fabricate 24" (Or 28" x 20" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 6' Of Appropriate Pipe).....	318.55	
33 42 11 00-1424 EA Fabricate 30" (Or 35" x 24" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 8' Of Appropriate Pipe).....	417.70	
33 42 11 00-1425 EA Fabricate 36" (Or 42" x 29" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 9' Of Appropriate Pipe).....	497.90	
33 42 11 00-1426 EA Fabricate 42" (Or 49" x 33" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 9' Of Appropriate Pipe).....	579.21	
33 42 11 00-1427 EA Fabricate 48" (Or 57" x 38" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 9' Of Appropriate Pipe).....	751.85	
33 42 11 00-1428 EA Fabricate 54" (Or 64" x 43" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 12' Of Appropriate Pipe).....	846.54	
33 42 11 00-1429 EA Fabricate 60" (Or 71" x 47" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 12' Of Appropriate Pipe).....	944.55	
33 42 11 00-1430 EA Fabricate 66" (Or 77" x 52" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 12' Of Appropriate Pipe).....	1,044.80	
33 42 11 00-1431 EA Fabricate 72" (Or 83" x 57" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 14' Of Appropriate Pipe).....	1,274.26	
33 42 11 00-1432 EA Fabricate 78" (Or 87" x 63" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 16' Of Appropriate Pipe).....	1,387.89	
33 42 11 00-1433 EA Fabricate 84" (Or 95" x 67" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 16' Of Appropriate Pipe).....	1,503.72	
33 42 11 00-1434 EA Fabricate 90" (Or 103" x 71" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 18' Of Appropriate Pipe).....	1,850.12	
33 42 11 00-1435 EA Fabricate 96" (Or 112" x 75" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 18' Of Appropriate Pipe).....	1,982.68	
33 42 11 00-1436 EA Fabricate 102" (Or 117" x 79" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 20' Of Appropriate Pipe).....	2,115.23	
33 42 11 00-1437 EA Fabricate 108" (Or 128" x 83" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 20' Of Appropriate Pipe).....	2,248.88	
33 42 11 00-1438 EA Fabricate 114" (Or 137" x 87" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 21' Of Appropriate Pipe).....	2,382.56	
33 42 11 00-1439 EA Fabricate 120" (Or 142" x 91" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 21' Of Appropriate Pipe).....	2,515.09	
33 42 11 00-1440 EA Fabricate 126" Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 23' Of Appropriate Pipe).....	2,655.01	
33 42 11 00-1441 EA Fabricate 132" Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 24' Of Appropriate Pipe).....	2,802.72	
33 42 11 00-1442 EA Fabricate 138" Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 24' Of Appropriate Pipe).....	2,958.61	

33 42 11 00-1443**Fabricate Skew Or Bevel Ends, Corrugated Steel Pipe Fitting** (33 42 11 00-1386)

Note: Applied to pipe tasks.

33 42 11 00-1444 EA Fabricate 6" Skew Or Bevel End, Corrugated Steel Pipe Fitting.....	35.48	
33 42 11 00-1445 EA Fabricate 8" Skew Or Bevel End, Corrugated Steel Pipe Fitting.....	44.63	
33 42 11 00-1446 EA Fabricate 10" Skew Or Bevel End, Corrugated Steel Pipe Fitting.....	56.13	
33 42 11 00-1447 EA Fabricate 12" Skew Or Bevel End, Corrugated Steel Pipe Fitting.....	68.74	
33 42 11 00-1448 EA Fabricate 15" (Or 17" x 13" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting.....	86.98	
33 42 11 00-1449 EA Fabricate 18" (Or 21" x 15" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting.....	106.51	
33 42 11 00-1450 EA Fabricate 21" (Or 24" x 18" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting.....	124.75	



	Utilities	33	
	Stormwater Utilities	33 40	CS
	Stormwater Conveyance	33 42	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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33 42 11 00-1451	EA		Fabricate 24" (Or 28" x 20" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting	144.95	
33 42 11 00-1452	EA		Fabricate 30" (Or 35" x 24" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting	178.03	
33 42 11 00-1453	EA		Fabricate 36" (Or 42" x 29" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting	212.26	
33 42 11 00-1454	EA		Fabricate 42" (Or 49" x 33" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting	253.27	
33 42 11 00-1455	EA		Fabricate 48" (Or 57" x 38" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting	311.54	
33 42 11 00-1456	EA		Fabricate 54" (Or 64" x 43" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting	352.63	
33 42 11 00-1457	EA		Fabricate 60" (Or 71" x 47" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting	397.12	
33 42 11 00-1458	EA		Fabricate 66" (Or 77" x 52" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting	481.59	
33 42 11 00-1459	EA		Fabricate 72" (Or 83" x 57" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting	534.06	
33 42 11 00-1460	EA		Fabricate 78" (Or 87" x 63" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting	651.61	
33 42 11 00-1461	EA		Fabricate 84" (Or 95" x 67" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting	709.83	
33 42 11 00-1462	EA		Fabricate 90" (Or 103" x 71" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting	771.48	
33 42 11 00-1463	EA		Fabricate 96" (Or 112" x 75" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting	831.92	
33 42 11 00-1464	EA		Fabricate 102" (Or 117" x 79" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting	893.55	
33 42 11 00-1465	EA		Fabricate 108" (Or 128" x 83" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting	956.31	
33 42 11 00-1466	EA		Fabricate 114" (Or 137" x 87" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting	1,017.96	
33 42 11 00-1467	EA		Fabricate 120" (Or 142" x 91" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting	1,079.56	
33 42 11 00-1468	EA		Fabricate 126" Skew Or Bevel End, Corrugated Steel Pipe Fitting.....	1,144.90	
33 42 11 00-1469	EA		Fabricate 132" Skew Or Bevel End, Corrugated Steel Pipe Fitting.....	1,214.19	
33 42 11 00-1470	EA		Fabricate 138" Skew Or Bevel End, Corrugated Steel Pipe Fitting.....	1,287.68	

33 42 11 00-1471 Coupling Bands, Corrugated Metal Pipe Fitting (33 42 11 00-1386)

33 42 11 00-1472	EA		6" Coupling Band, Corrugated Metal Pipe Fitting	7.82	
			<i>For Bituminous Coated, Add</i>	2.27	
33 42 11 00-1473	EA		8" Coupling Band, Corrugated Metal Pipe Fitting	10.38	
			<i>For Bituminous Coated, Add</i>	3.01	
33 42 11 00-1474	EA		10" Coupling Band, Corrugated Metal Pipe Fitting	13.08	
			<i>For Bituminous Coated, Add</i>	3.79	
33 42 11 00-1475	EA		12" Coupling Band, Corrugated Metal Pipe Fitting	21.71	
			<i>For Bituminous Coated, Add</i>	6.30	
33 42 11 00-1476	EA		15" Coupling Band, Corrugated Metal Pipe Fitting	27.38	
			<i>For Bituminous Coated, Add</i>	7.94	
33 42 11 00-1477	EA		18" Coupling Band, Corrugated Metal Pipe Fitting	40.17	
			<i>For Bituminous Coated, Add</i>	11.65	
33 42 11 00-1478	EA		21" Coupling Band, Corrugated Metal Pipe Fitting	47.67	
			<i>For Bituminous Coated, Add</i>	13.82	
33 42 11 00-1479	EA		24" Coupling Band, Corrugated Metal Pipe Fitting	54.06	
			<i>For Bituminous Coated, Add</i>	15.68	
33 42 11 00-1480	EA		30" Coupling Band, Corrugated Metal Pipe Fitting	93.55	
			<i>For Bituminous Coated, Add</i>	27.13	
33 42 11 00-1481	EA		36" Coupling Band, Corrugated Metal Pipe Fitting	149.67	
			<i>For Bituminous Coated, Add</i>	35.92	
33 42 11 00-1482	EA		42" Coupling Band, Corrugated Metal Pipe Fitting	175.86	
			<i>For Bituminous Coated, Add</i>	42.21	
33 42 11 00-1483	EA		48" Coupling Band, Corrugated Metal Pipe Fitting	197.06	
			<i>For Bituminous Coated, Add</i>	47.29	
33 42 11 00-1484	EA		54" Coupling Band, Corrugated Metal Pipe Fitting	279.46	
			<i>For Bituminous Coated, Add</i>	67.07	
33 42 11 00-1485	EA		60" Coupling Band, Corrugated Metal Pipe Fitting	399.71	
			<i>For Bituminous Coated, Add</i>	71.95	
33 42 11 00-1486	EA		66" Coupling Band, Corrugated Metal Pipe Fitting	491.23	
			<i>For Bituminous Coated, Add</i>	88.42	
33 42 11 00-1487	EA		72" Coupling Band, Corrugated Metal Pipe Fitting	631.02	
			<i>For Bituminous Coated, Add</i>	88.34	
33 42 11 00-1488	EA		78" Coupling Band, Corrugated Metal Pipe Fitting	674.92	
			<i>For Bituminous Coated, Add</i>	94.49	
33 42 11 00-1489	EA		84" Coupling Band, Corrugated Metal Pipe Fitting	719.06	
			<i>For Bituminous Coated, Add</i>	100.67	
33 42 11 00-1490	EA		90" Coupling Band, Corrugated Metal Pipe Fitting	762.98	
			<i>For Bituminous Coated, Add</i>	106.82	
33 42 11 00-1491	EA		96" Coupling Band, Corrugated Metal Pipe Fitting	807.01	
			<i>For Bituminous Coated, Add</i>	112.98	
33 42 11 00-1492	EA		102" Coupling Band, Corrugated Metal Pipe Fitting	851.16	
			<i>For Bituminous Coated, Add</i>	119.16	
33 42 11 00-1493	EA		108" Coupling Band, Corrugated Metal Pipe Fitting	895.10	
			<i>For Bituminous Coated, Add</i>	125.31	
33 42 11 00-1494	EA		114" Coupling Band, Corrugated Metal Pipe Fitting	1,060.15	
			<i>For Bituminous Coated, Add</i>	127.22	
33 42 11 00-1495	EA		120" Coupling Band, Corrugated Metal Pipe Fitting	982.92	
			<i>For Bituminous Coated, Add</i>	117.95	
33 42 11 00-1496	EA		126" Coupling Band, Corrugated Metal Pipe Fitting	1,026.73	
			<i>For Bituminous Coated, Add</i>	123.21	
33 42 11 00-1497	EA		132" Coupling Band, Corrugated Metal Pipe Fitting	1,070.85	
			<i>For Bituminous Coated, Add</i>	128.50	
33 42 11 00-1498	EA		138" Coupling Band, Corrugated Metal Pipe Fitting	1,115.02	
			<i>For Bituminous Coated, Add</i>	133.80	

33 42 13 Stormwater Culverts (33 42)

33 42 13 13 Precast Concrete Stormwater Culverts (33 42 13)

33 Utilities**33 40 Stormwater Utilities****33 42 Stormwater Conveyance**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 13 13-0001			Precast Reinforced Concrete Box Culvert <small>(33 42 13 13)</small> Note: The quantity required shall be the entire length of the culvert including the length of the cut-off sections. Includes delivery, handling, hoisting into place, alignment, bracing, permanent connections, grouting of joints and caulking of joints. Excludes excavation and backfill. Minimum length 6'-0".		
33 42 13 13-0002	LF		4' x 2' Precast Reinforced Concrete Box Culvert .....205.43		40.06
			<i>For Each LF Of Cut-Off Section, Add</i> .....8.22		
33 42 13 13-0003	LF		4' x 3' Precast Reinforced Concrete Box Culvert .....222.57		40.06
			<i>For Each LF Of Cut-Off Section, Add</i> .....8.90		
33 42 13 13-0004	LF		5' x 3' Precast Reinforced Concrete Box Culvert .....291.77		50.06
			<i>For Each LF Of Cut-Off Section, Add</i> .....11.67		
33 42 13 13-0005	LF		5' x 4' Precast Reinforced Concrete Box Culvert .....312.44		50.06
			<i>For Each LF Of Cut-Off Section, Add</i> .....12.50		
33 42 13 13-0006	LF		5' x 5' Precast Reinforced Concrete Box Culvert .....333.10		50.06
			<i>For Each LF Of Cut-Off Section, Add</i> .....13.32		
33 42 13 13-0007	LF		6' x 3' Precast Reinforced Concrete Box Culvert .....352.12		52.07
			<i>For Each LF Of Cut-Off Section, Add</i> .....14.08		
33 42 13 13-0008	LF		6' x 4' Precast Reinforced Concrete Box Culvert .....376.28		52.07
			<i>For Each LF Of Cut-Off Section, Add</i> .....15.05		
33 42 13 13-0009	LF		6' x 6' Precast Reinforced Concrete Box Culvert .....424.42		52.07
			<i>For Each LF Of Cut-Off Section, Add</i> .....16.98		
33 42 13 13-0010	LF		7' x 4' Precast Reinforced Concrete Box Culvert .....458.43		60.08
			<i>For Each LF Of Cut-Off Section, Add</i> .....18.34		
33 42 13 13-0011	LF		7' x 6' Precast Reinforced Concrete Box Culvert .....556.37		81.71
			<i>For Each LF Of Cut-Off Section, Add</i> .....22.25		
33 42 13 13-0012	LF		8' x 2' Precast Reinforced Concrete Box Culvert .....415.13		52.07
			<i>For Each LF Of Cut-Off Section, Add</i> .....16.61		
33 42 13 13-0013	LF		8' x 3' Precast Reinforced Concrete Box Culvert .....454.05		60.08
			<i>For Each LF Of Cut-Off Section, Add</i> .....18.16		
33 42 13 13-0014	LF		8' x 4' Precast Reinforced Concrete Box Culvert .....485.92		60.08
			<i>For Each LF Of Cut-Off Section, Add</i> .....19.44		
33 42 13 13-0015	LF		8' x 5' Precast Reinforced Concrete Box Culvert .....553.22		80.10
			<i>For Each LF Of Cut-Off Section, Add</i> .....22.13		
33 42 13 13-0016	LF		8' x 6' Precast Reinforced Concrete Box Culvert .....580.69		80.10
			<i>For Each LF Of Cut-Off Section, Add</i> .....23.23		
33 42 13 13-0017	LF		8' x 8' Precast Reinforced Concrete Box Culvert .....675.47		100.13
			<i>For Each LF Of Cut-Off Section, Add</i> .....27.02		
33 42 13 13-0018	LF		9' x 4' Precast Reinforced Concrete Box Culvert .....602.59		80.10
			<i>For Each LF Of Cut-Off Section, Add</i> .....24.10		
33 42 13 13-0019	LF		9' x 6' Precast Reinforced Concrete Box Culvert .....704.18		100.13
			<i>For Each LF Of Cut-Off Section, Add</i> .....28.17		
33 42 13 13-0020	LF		10' x 3' Precast Reinforced Concrete Box Culvert .....691.58		100.13
			<i>For Each LF Of Cut-Off Section, Add</i> .....27.66		
33 42 13 13-0021	LF		10' x 4' Precast Reinforced Concrete Box Culvert .....724.71		100.13
			<i>For Each LF Of Cut-Off Section, Add</i> .....28.99		
33 42 13 13-0022	LF		10' x 5' Precast Reinforced Concrete Box Culvert .....799.98		120.16
			<i>For Each LF Of Cut-Off Section, Add</i> .....32.00		
33 42 13 13-0023	LF		10' x 6' Precast Reinforced Concrete Box Culvert .....834.48		120.16
			<i>For Each LF Of Cut-Off Section, Add</i> .....33.38		
33 42 13 13-0024	LF		10' x 7' Precast Reinforced Concrete Box Culvert .....868.98		120.16
			<i>For Each LF Of Cut-Off Section, Add</i> .....34.76		
33 42 13 13-0025	LF		10' x 8' Precast Reinforced Concrete Box Culvert .....903.26		120.16
			<i>For Each LF Of Cut-Off Section, Add</i> .....36.13		
33 42 13 13-0026	LF		12' x 3' Precast Reinforced Concrete Box Culvert .....784.41		140.19
			<i>For Each LF Of Cut-Off Section, Add</i> .....31.38		
33 42 13 13-0027	LF		12' x 4' Precast Reinforced Concrete Box Culvert .....993.47		140.19
			<i>For Each LF Of Cut-Off Section, Add</i> .....39.74		
33 42 13 13-0028	LF		12' x 6' Precast Reinforced Concrete Box Culvert .....1,076.11		140.19
			<i>For Each LF Of Cut-Off Section, Add</i> .....43.04		
33 42 13 13-0029	LF		12' x 8' Precast Reinforced Concrete Box Culvert .....1,158.73		140.19
			<i>For Each LF Of Cut-Off Section, Add</i> .....46.35		
33 42 13 13-0030	LF		16' x 10' Precast Reinforced Concrete Box Culvert .....1,446.25		160.21
			<i>For Each LF Of Cut-Off Section, Add</i> .....57.85		
33 42 13 13-0031	LF		24' x 10' Precast Reinforced Concrete Box Culvert .....1,776.77		160.21
			<i>For Each LF Of Cut-Off Section, Add</i> .....71.07		
33 42 13 13-0032			Precast Reinforced Concrete Box Culvert For Roadways <small>(33 42 13 13)</small> Note: AASHTO H/20, H/25 Rated. The quantity required shall be the entire length of the culvert including the length of the cut-off sections. Includes delivery, handling, hoisting into place, alignment, bracing, permanent connections, grouting of joints and caulking of joints. Excludes excavation and backfill. Minimum length 6'-0".		
33 42 13 13-0033	LF		4' x 2' Precast Reinforced Concrete Box Culvert For Roadways .....769.64		40.06
			<i>For Each LF Of Cut-Off Section, Add</i> .....30.79		
33 42 13 13-0034	LF		4' x 3' Precast Reinforced Concrete Box Culvert For Roadways .....863.67		40.06
			<i>For Each LF Of Cut-Off Section, Add</i> .....34.55		
33 42 13 13-0035	LF		5' x 3' Precast Reinforced Concrete Box Culvert For Roadways .....977.71		50.06
			<i>For Each LF Of Cut-Off Section, Add</i> .....39.11		
33 42 13 13-0036	LF		5' x 4' Precast Reinforced Concrete Box Culvert For Roadways .....1,071.74		50.06
			<i>For Each LF Of Cut-Off Section, Add</i> .....42.87		
33 42 13 13-0037	LF		5' x 5' Precast Reinforced Concrete Box Culvert For Roadways .....1,165.77		50.06
			<i>For Each LF Of Cut-Off Section, Add</i> .....46.63		
33 42 13 13-0038	LF		6' x 3' Precast Reinforced Concrete Box Culvert For Roadways .....1,075.75		52.07
			<i>For Each LF Of Cut-Off Section, Add</i> .....43.03		
33 42 13 13-0039	LF		6' x 4' Precast Reinforced Concrete Box Culvert For Roadways .....1,169.78		52.07
			<i>For Each LF Of Cut-Off Section, Add</i>46.79		



	Utilities	33
	Stormwater Utilities	33 40
	Stormwater Conveyance	33 42

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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 13 13-0040 LF 6' x 6' Precast Reinforced Concrete Box Culvert For Roadways <i>For Each LF Of Cut-Off Section, Add</i>	1,357.84 54.31	52.07
33 42 13 13-0041 LF 7' x 4' Precast Reinforced Concrete Box Culvert For Roadways <i>For Each LF Of Cut-Off Section, Add</i>	1,279.83 51.19	60.08
33 42 13 13-0042 LF 7' x 6' Precast Reinforced Concrete Box Culvert For Roadways <i>For Each LF Of Cut-Off Section, Add</i>	1,511.12 60.44	81.71
33 42 13 13-0043 LF 8' x 2' Precast Reinforced Concrete Box Culvert For Roadways <i>For Each LF Of Cut-Off Section, Add</i>	1,169.78 46.79	52.07
33 42 13 13-0044 LF 8' x 3' Precast Reinforced Concrete Box Culvert For Roadways <i>For Each LF Of Cut-Off Section, Add</i>	1,279.83 51.19	60.08
33 42 13 13-0045 LF 8' x 4' Precast Reinforced Concrete Box Culvert For Roadways <i>For Each LF Of Cut-Off Section, Add</i>	1,373.86 54.95	60.08
33 42 13 13-0046 LF 8' x 4' Precast Reinforced Concrete Box Culvert For Roadways <i>For Each LF Of Cut-Off Section, Add</i>	1,507.92 60.32	80.10
33 42 13 13-0047 LF 8' x 6' Precast Reinforced Concrete Box Culvert For Roadways <i>For Each LF Of Cut-Off Section, Add</i>	1,601.95 64.08	80.10
33 42 13 13-0048 LF 8' x 8' Precast Reinforced Concrete Box Culvert For Roadways <i>For Each LF Of Cut-Off Section, Add</i>	1,830.07 73.20	100.13
33 42 13 13-0049 LF 9' x 4' Precast Reinforced Concrete Box Culvert For Roadways <i>For Each LF Of Cut-Off Section, Add</i>	1,617.34 64.69	80.10
33 42 13 13-0050 LF 9' x 6' Precast Reinforced Concrete Box Culvert For Roadways <i>For Each LF Of Cut-Off Section, Add</i>	1,858.37 74.33	100.13
33 42 13 13-0051 LF 10' x 3' Precast Reinforced Concrete Box Culvert For Roadways <i>For Each LF Of Cut-Off Section, Add</i>	1,837.91 73.52	100.13
33 42 13 13-0052 LF 10' x 4' Precast Reinforced Concrete Box Culvert For Roadways <i>For Each LF Of Cut-Off Section, Add</i>	1,949.57 77.98	100.13
33 42 13 13-0053 LF 10' x 5' Precast Reinforced Concrete Box Culvert For Roadways <i>For Each LF Of Cut-Off Section, Add</i>	2,101.26 84.05	120.16
33 42 13 13-0054 LF 10' x 6' Precast Reinforced Concrete Box Culvert For Roadways <i>For Each LF Of Cut-Off Section, Add</i>	2,212.91 88.52	120.16
33 42 13 13-0055 LF 10' x 7' Precast Reinforced Concrete Box Culvert For Roadways <i>For Each LF Of Cut-Off Section, Add</i>	2,324.58 92.98	120.16
33 42 13 13-0056 LF 10' x 8' Precast Reinforced Concrete Box Culvert For Roadways <i>For Each LF Of Cut-Off Section, Add</i>	2,436.24 97.45	120.16
33 42 13 13-0057 LF 12' x 3' Precast Reinforced Concrete Box Culvert For Roadways <i>For Each LF Of Cut-Off Section, Add</i>	2,438.30 97.53	140.19
33 42 13 13-0058 LF 12' x 4' Precast Reinforced Concrete Box Culvert For Roadways <i>For Each LF Of Cut-Off Section, Add</i>	2,565.22 102.61	140.19
33 42 13 13-0059 LF 12' x 6' Precast Reinforced Concrete Box Culvert For Roadways <i>For Each LF Of Cut-Off Section, Add</i>	2,219.09 112.76	140.19
33 42 13 13-0060 LF 12' x 8' Precast Reinforced Concrete Box Culvert For Roadways <i>For Each LF Of Cut-Off Section, Add</i>	3,072.97 122.92	140.19
33 42 13 13-0061 LF 16' x 10' Precast Reinforced Concrete Box Culvert For Roadways <i>For Each LF Of Cut-Off Section, Add</i>	3,677.19 147.09	160.21
33 42 13 13-0062 LF 24' x 10' Precast Reinforced Concrete Box Culvert For Roadways <i>For Each LF Of Cut-Off Section, Add</i>	4,636.27 185.45	160.21

33 42 23 Headwalls and Endwalls for Stormwater Piping (33 42)

33 42 23 00-0001 Headwalls (33 42 23)

Note: Excludes excavation and backfill. Select pipe with closest opening area for square or round culverts.

33 42 23 00-0002 Cast In Place Concrete Headwalls (33 42 23 00-0001)

33 42 23 00-0003 Skewed Wingwall, Cast In Place Concrete Headwall (33 42 23 00-0002)

Note: Sized by pipe diameter.

33 42 23 00-0004 EA 12" Pipe, Skewed Wingwall, Cast In Place Concrete Headwall.....	1,094.99	536.30
33 42 23 00-0005 EA 15" Pipe, Skewed Wingwall, Cast In Place Concrete Headwall.....	1,382.94	572.05
33 42 23 00-0006 EA 18" Pipe, Skewed Wingwall, Cast In Place Concrete Headwall.....	1,799.57	749.32
33 42 23 00-0007 EA 24" Pipe, Skewed Wingwall, Cast In Place Concrete Headwall.....	2,785.12	1,072.60
33 42 23 00-0008 EA 30" Pipe, Skewed Wingwall, Cast In Place Concrete Headwall.....	3,857.87	1,430.15
33 42 23 00-0009 EA 36" Pipe, Skewed Wingwall, Cast In Place Concrete Headwall.....	4,825.23	1,885.09
33 42 23 00-0010 EA 42" Pipe, Skewed Wingwall, Cast In Place Concrete Headwall.....	6,706.88	2,600.24
33 42 23 00-0011 EA 48" Pipe, Skewed Wingwall, Cast In Place Concrete Headwall.....	7,968.36	3,064.56
33 42 23 00-0012 EA 54" Pipe, Skewed Wingwall, Cast In Place Concrete Headwall.....	9,593.85	3,730.85
33 42 23 00-0013 EA 60" Pipe, Skewed Wingwall, Cast In Place Concrete Headwall.....	11,533.48	4,516.24

33 42 23 00-0014 Precast Concrete Headwalls (33 42 23 00-0001)

33 42 23 00-0015 EA 12" Pipe, Precast Concrete Headwall.....	550.47	139.09
33 42 23 00-0016 EA 15" Pipe, Precast Concrete Headwall.....	573.65	146.82
33 42 23 00-0017 EA 18" Pipe, Precast Concrete Headwall.....	633.14	166.90
33 42 23 00-0018 EA 24" Pipe, Precast Concrete Headwall.....	696.84	177.73
33 42 23 00-0019 EA 30" Pipe, Precast Concrete Headwall.....	910.64	208.63
33 42 23 00-0020 EA 36" Pipe, Precast Concrete Headwall.....	1,029.62	216.36
33 42 23 00-0021 EA 42" Pipe, Precast Concrete Headwall.....	1,317.35	247.20
33 42 23 00-0022 EA 48" Pipe, Precast Concrete Headwall.....	1,448.83	272.36
33 42 23 00-0023 EA 54" Pipe, Precast Concrete Headwall.....	1,594.30	288.38
33 42 23 00-0024 EA 60" Pipe, Precast Concrete Headwall.....	1,800.51	288.38
33 42 23 00-0025 EA 72" Pipe, Precast Concrete Headwall.....	2,148.83	360.47
33 42 23 00-0026 EA 84" Pipe, Precast Concrete Headwall.....	2,998.93	432.57

33 Utilities**33 40 Stormwater Utilities****33 42 Stormwater Conveyance**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 23 00-0027 Precast Concrete Wingwalls (33 42 23 00-0001)		
33 42 23 00-0028 EA 18" ID Pipe (26" Hole) Precast Concrete Wingwall..... Note: 12" Thick wall and base. Wingwalls are configured at 0-30 degrees off centerline of pipe.	3,466.23	1,427.49
33 42 23 00-0029 EA 24" ID Pipe (32" Hole) Precast Concrete Wingwall..... Note: 12" Thick wall and base. Wingwalls are configured at 0-30 degrees off centerline of pipe.	3,706.55	1,586.09
33 42 23 00-0030 EA 30" ID Pipe (42" Hole) Precast Concrete Wingwall..... Note: 12" Thick wall and base. Wingwalls are configured at 0-30 degrees off centerline of pipe.	4,107.08	1,850.44
33 42 23 00-0031 EA 33" ID Pipe (46" Hole) Precast Concrete Wingwall..... Note: 12" thick wall and base. Wingwalls are configured at zero degrees only off centerline of pipe.	4,507.61	2,114.79
33 42 23 00-0032 EA 36" ID Pipe (50" Hole) Precast Concrete Wingwall..... Note: 12" Thick wall and base. Wingwalls are configured at 0-30 degrees off centerline of pipe.	4,507.61	2,114.79
33 42 23 00-0033 EA 44" ID Pipe (58" Hole) Precast Concrete Wingwall..... Note: 12" Thick wall and base. Wingwalls are configured at 0-30 degrees off centerline of pipe.	4,667.82	2,220.53
33 42 23 00-0034 EA 48" ID Pipe (62" Hole) Precast Concrete Wingwall..... Note: 12" thick wall and base. Wingwalls are configured at 0-30 degrees off centerline of pipe.	7,327.56	2,273.40
33 42 23 00-0035 EA 52" ID Pipe (66" Hole) Precast Concrete Wingwall..... Note: 12" thick wall and base. Wingwalls are configured at zero degrees only off centerline of pipe.	7,567.87	2,432.01
33 42 23 00-0036 Precast Concrete Transverse Drainage Interceptor (33 42 23 00-0001)		
33 42 23 00-0037 EA 34" x 48" x 28" Precast Concrete Transverse Drainage Interceptor With Frame And Grate.....	2,914.92	560.74
33 42 26 End Sections for Stormwater Piping (33 42)		
33 42 26 16 Corrugated Metal End Sections for Stormwater Piping (33 42 26)		
33 42 26 16-0001 Corrugated Metal Pipe End Sections (33 42 26 16)		
33 42 26 16-0002 Galvanized Corrugated Steel Pipe End Sections (33 42 26 16-0001)		
33 42 26 16-0003 Type 1 Galvanized Corrugated Steel Pipe End Sections (33 42 26 16-0002) Note: Used with annular corrugations, no band required. Consists of a 12 gauge steel strap with a 6" bolt and nut.		
33 42 26 16-0004 EA 12" 16 Gauge, Type 1 Galvanized Corrugated Steel Pipe End Section.....	199.37	54.09
33 42 26 16-0005 EA 15" 16 Gauge, Type 1 Galvanized Corrugated Steel Pipe End Section.....	229.96	57.95
33 42 26 16-0006 EA 18" 16 Gauge, Type 1 Galvanized Corrugated Steel Pipe End Section.....	266.75	61.82
33 42 26 16-0007 EA 21" 16 Gauge, Type 1 Galvanized Corrugated Steel Pipe End Section.....	320.91	67.61
33 42 26 16-0008 EA 24" 16 Gauge, Type 1 Galvanized Corrugated Steel Pipe End Section.....	355.06	73.41
33 42 26 16-0009 Type 2 Galvanized Corrugated Steel Pipe End Sections (33 42 26 16-0002) Note: Partial circumferential rod with two hinge type lugs used with annular corrugations. No band required.		
33 42 26 16-0010 EA 30" 14 Gauge, Type 2 Galvanized Corrugated Steel Pipe End Section.....	562.08	83.07
33 42 26 16-0011 EA 36" 14 Gauge, Type 2 Galvanized Corrugated Steel Pipe End Section.....	722.49	96.12
33 42 26 16-0012 EA 42" 12 Gauge, Type 2 Galvanized Corrugated Steel Pipe End Section.....	1,098.81	112.15
33 42 26 16-0013 EA 48" 12 Gauge, Type 2 Galvanized Corrugated Steel Pipe End Section.....	1,340.14	128.17
33 42 26 16-0014 EA 54" 12 Gauge, Type 2 Galvanized Corrugated Steel Pipe End Section.....	1,598.32	160.21
33 42 26 16-0015 EA 60" 10 Gauge, Type 2 Galvanized Corrugated Steel Pipe End Section.....	1,867.86	192.25
33 42 26 16-0016 Type 3 Or 5 Galvanized Corrugated Steel Pipe End Sections (33 42 26 16-0002) Note: Stubbed with 1' of pipe (excluded in price). Used with all pipe having annular end corrugations.		
33 42 26 16-0017 EA 12" 16 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section.....	207.52	54.09
33 42 26 16-0018 EA 15" 16 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section.....	238.34	57.95
33 42 26 16-0019 EA 18" 16 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section.....	279.63	61.82
33 42 26 16-0020 EA 21" 16 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section.....	336.37	67.61
33 42 26 16-0021 EA 24" 16 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section.....	372.60	73.41
33 42 26 16-0022 EA 30" 14 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section.....	615.92	83.07
33 42 26 16-0023 EA 36" 14 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section.....	788.19	96.12
33 42 26 16-0024 EA 42" 12 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section.....	1,244.80	112.15
33 42 26 16-0025 EA 48" 12 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section.....	1,528.54	128.17
33 42 26 16-0026 EA 54" 12 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section.....	1,788.85	160.21
33 42 26 16-0027 EA 60" 10 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section.....	2,471.30	192.25
33 42 26 16-0028 EA 66" 10 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section.....	2,822.57	288.38
33 42 26 16-0029 EA 72" 10 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section.....	3,314.96	384.51
33 42 26 16-0030 EA 78" 10 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section.....	3,609.29	412.54
33 42 26 16-0031 EA 84" 10 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section.....	3,910.58	440.58
33 42 26 16-0032 Toe Plate Extensions For Galvanized Corrugated Steel Pipe End Section (33 42 26 16-0002)		
33 42 26 16-0033 EA Toe Plate Extension For 12" Diameter Galvanized Corrugated Steel Pipe End Section.....	23.48	
33 42 26 16-0034 EA Toe Plate Extension For 15" Diameter Galvanized Corrugated Steel Pipe End Section.....	25.96	
33 42 26 16-0035 EA Toe Plate Extension For 18" Diameter Galvanized Corrugated Steel Pipe End Section.....	28.98	
33 42 26 16-0036 EA Toe Plate Extension For 21" Diameter Galvanized Corrugated Steel Pipe End Section.....	31.49	
33 42 26 16-0037 EA Toe Plate Extension For 24" Diameter Galvanized Corrugated Steel Pipe End Section.....	35.15	
33 42 26 16-0038 EA Toe Plate Extension For 30" Diameter Galvanized Corrugated Steel Pipe End Section.....	60.04	
33 42 26 16-0039 EA Toe Plate Extension For 36" Diameter Galvanized Corrugated Steel Pipe End Section.....	64.64	
33 42 26 16-0040 EA Toe Plate Extension For 42" Diameter Galvanized Corrugated Steel Pipe End Section.....	87.19	
33 42 26 16-0041 EA Toe Plate Extension For 48" Diameter Galvanized Corrugated Steel Pipe End Section.....	93.64	
33 42 26 16-0042 EA Toe Plate Extension For 54" Diameter Galvanized Corrugated Steel Pipe End Section.....	113.90	
33 42 26 16-0043 EA Toe Plate Extension For 60" Diameter Galvanized Corrugated Steel Pipe End Section.....	117.13	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 26 16-0044	EA			Toe Plate Extension For 66" Diameter Galvanized Corrugated Steel Pipe End Section	126.05	
33 42 26 16-0045	EA			Toe Plate Extension For 72" Diameter Galvanized Corrugated Steel Pipe End Section	146.47	
33 42 26 16-0046	EA			Toe Plate Extension For 78" Diameter Galvanized Corrugated Steel Pipe End Section	163.58	
33 42 26 16-0047	EA			84" Diameter Galvanized Corrugated Steel Pipe End Section Toe Plate Extension.....	168.29	
33 42 26 16-0048				Galvanized Corrugated Steel Pipe-Arch End Sections (33 42 26 16-0001)		
33 42 26 16-0049				Type 1 Galvanized Corrugated Steel Pipe-Arch End Sections (33 42 26 16-0048)		
				Note: Used with annular corrugations, no band required. Consists of a 12 gauge steel strap with a 6" bolt and nut.		
33 42 26 16-0050	EA			17" x 13" 16 Gauge, Type 1 Galvanized Corrugated Steel Pipe-Arch End Section	229.96	57.95
33 42 26 16-0051	EA			21" x 15" 16 Gauge, Type 1 Galvanized Corrugated Steel Pipe-Arch End Section	266.75	61.82
33 42 26 16-0052	EA			24" x 18" 16 Gauge, Type 1 Galvanized Corrugated Steel Pipe-Arch End Section	320.91	67.61
33 42 26 16-0053	EA			28" x 20" 16 Gauge, Type 1 Galvanized Corrugated Steel Pipe-Arch End Section	355.06	73.41
33 42 26 16-0054				Type 2 Galvanized Corrugated Steel Pipe-Arch End Sections (33 42 26 16-0048)		
				Note: Partial circumferential rod with two hinge type lugs used with annular corrugations. No band required.		
33 42 26 16-0055	EA			17" x 13" 16 Gauge, Type 2 Galvanized Corrugated Steel Pipe-Arch End Section	222.93	57.95
33 42 26 16-0056	EA			21" x 15" 16 Gauge, Type 2 Galvanized Corrugated Steel Pipe-Arch End Section	253.74	61.82
33 42 26 16-0057	EA			24" x 18" 16 Gauge, Type 2 Galvanized Corrugated Steel Pipe-Arch End Section	283.67	67.61
33 42 26 16-0058	EA			28" x 20" 16 Gauge, Type 2 Galvanized Corrugated Steel Pipe-Arch End Section	319.50	73.41
33 42 26 16-0059	EA			35" x 24" 14 Gauge, Type 2 Galvanized Corrugated Steel Pipe-Arch End Section	460.70	83.07
33 42 26 16-0060	EA			42" x 29" 14 Gauge, Type 2 Galvanized Corrugated Steel Pipe-Arch End Section	660.40	96.12
33 42 26 16-0061	EA			49" x 33" 12 Gauge, Type 2 Galvanized Corrugated Steel Pipe-Arch End Section	1,018.67	112.15
33 42 26 16-0062	EA			57" x 38" 12 Gauge, Type 2 Galvanized Corrugated Steel Pipe-Arch End Section	1,286.73	128.17
33 42 26 16-0063				Type 3 Or 5 Galvanized Corrugated Steel Pipe-Arch End Sections (33 42 26 16-0048)		
				Note: Stubbed with 1' of pipe (excluded in price). Used with all pipe having annular end corrugations.		
33 42 26 16-0064	EA			17" x 13" 16 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe-Arch End Section	226.50	57.95
33 42 26 16-0065	EA			21" x 15" 16 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe-Arch End Section	261.50	61.82
33 42 26 16-0066	EA			24" x 18" 16 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe-Arch End Section	295.80	67.61
33 42 26 16-0067	EA			28" x 20" 16 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe-Arch End Section	333.88	73.41
33 42 26 16-0068	EA			35" x 24" 14 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe-Arch End Section	485.14	83.07
33 42 26 16-0069	EA			42" x 29" 14 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe-Arch End Section	693.74	96.12
33 42 26 16-0070	EA			49" x 33" 12 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe-Arch End Section	1,071.99	112.15
33 42 26 16-0071	EA			57" x 38" 12 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe-Arch End Section	1,348.10	128.17
33 42 26 16-0072	EA			64" x 43" 12 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe-Arch End Section	1,623.54	160.21
33 42 26 16-0073	EA			71" x 47" 10 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe-Arch End Section	2,129.68	192.25
33 42 26 16-0074	EA			77" x 52" 10 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe-Arch End Section	2,977.43	288.38
33 42 26 16-0075	EA			83" x 57" 10 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe-Arch End Section	3,312.91	384.51
33 42 26 16-0076				Toe Plate Extensions For Galvanized Corrugated Steel Pipe-Arch End Section (33 42 26 16-0048)		
33 42 26 16-0077	EA			Toe Plate Extension For 17" x 13" Galvanized Corrugated Steel Pipe-Arch End Section	25.96	
33 42 26 16-0078	EA			Toe Plate Extension For 21" x 15" Galvanized Corrugated Steel Pipe-Arch End Section	28.98	
33 42 26 16-0079	EA			Toe Plate Extension For 24" x 18" Galvanized Corrugated Steel Pipe-Arch End Section	31.49	
33 42 26 16-0080	EA			Toe Plate Extension For 28" x 20" Galvanized Corrugated Steel Pipe-Arch End Section	35.15	
33 42 26 16-0081	EA			Toe Plate Extension For 35" x 24" Galvanized Corrugated Steel Pipe-Arch End Section	60.04	
33 42 26 16-0082	EA			Toe Plate Extension For 42" x 29" Galvanized Corrugated Steel Pipe-Arch End Section	64.64	
33 42 26 16-0083	EA			Toe Plate Extension For 49" x 33" Galvanized Corrugated Steel Pipe-Arch End Section	87.19	
33 42 26 16-0084	EA			Toe Plate Extension For 57" x 38" Galvanized Corrugated Steel Pipe-Arch End Section	97.14	
33 42 26 16-0085	EA			Toe Plate Extension For 64" x 43" Galvanized Corrugated Steel Pipe-Arch End Section	113.90	
33 42 26 16-0086	EA			Toe Plate Extension For 71" x 47" Galvanized Corrugated Steel Pipe-Arch End Section	118.53	
33 42 26 16-0087	EA			Toe Plate Extension For 77" x 52" Galvanized Corrugated Steel Pipe-Arch End Section	137.42	
33 42 26 16-0088	EA			Toe Plate Extension For 83" x 57" Galvanized Corrugated Steel Pipe-Arch End Section	158.99	
33 42 26 16-0089				Corrugated Aluminum Pipe End Sections (33 42 26 16-0001)		
33 42 26 16-0090				Corrugated Aluminum Pipe End Sections (33 42 26 16-0089)		
33 42 26 16-0091	EA			12" Diameter 16 Gauge, Corrugated Aluminum Pipe End Section	294.06	54.09
33 42 26 16-0092	EA			15" Diameter 16 Gauge, Corrugated Aluminum Pipe End Section	337.78	57.95
33 42 26 16-0093	EA			18" Diameter 16 Gauge, Corrugated Aluminum Pipe End Section	398.70	61.82
33 42 26 16-0094	EA			21" Diameter 16 Gauge, Corrugated Aluminum Pipe End Section	491.96	67.61
33 42 26 16-0095	EA			24" Diameter 14 Gauge, Corrugated Aluminum Pipe End Section	638.75	73.41
33 42 26 16-0096	EA			30" Diameter 14 Gauge, Corrugated Aluminum Pipe End Section	950.96	83.07
33 42 26 16-0097	EA			36" Diameter 14 Gauge, Corrugated Aluminum Pipe End Section	1,284.06	96.12
33 42 26 16-0098	EA			36" Diameter 12 Gauge, Corrugated Aluminum Pipe End Section	1,593.86	96.12
33 42 26 16-0099	EA			42" Diameter 12 Gauge, Corrugated Aluminum Pipe End Section	2,030.86	112.15
33 42 26 16-0100	EA			48" Diameter 12 Gauge, Corrugated Aluminum Pipe End Section	2,892.46	128.17
33 42 26 16-0101	EA			54" Diameter 12 Gauge, Corrugated Aluminum Pipe End Section	3,207.47	160.21
33 42 26 16-0102	EA			60" Diameter 12 And 10 Gauge, Corrugated Aluminum Pipe End Section	4,318.55	192.25
33 42 26 16-0103	EA			66" Diameter 12 And 10 Gauge, Corrugated Aluminum Pipe End Section	4,905.13	288.38
33 42 26 16-0104	EA			72" Diameter 12 And 10 Gauge, Corrugated Aluminum Pipe End Section	5,746.32	384.51
33 42 26 16-0105	EA			78" Diameter 12 And 10 Gauge, Corrugated Aluminum Pipe End Section	6,274.51	412.54
33 42 26 16-0106	EA			84" Diameter 12 And 10 Gauge, Corrugated Aluminum Pipe End Section	6,621.79	440.58
33 42 26 16-0107	EA			90" Diameter 12 And 10 Gauge, Corrugated Aluminum Pipe End Section	9,035.55	480.63
33 42 26 16-0108	EA			96" Diameter 12 And 10 Gauge, Corrugated Aluminum Pipe End Section	10,000.50	520.69



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

MINOR	CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 26 16-0109	Toe Plate Extensions For Corrugated Aluminum Pipe End Section (33 42 26 16-0089)		
33 42 26 16-0110	EA Toe Plate Extension For 12" Diameter, 16 Gauge, Corrugated Aluminum Pipe End Section.....	42.20	
33 42 26 16-0111	EA Toe Plate Extension For 15" Diameter, 16 Gauge, Corrugated Aluminum Pipe End Section.....	44.66	
33 42 26 16-0112	EA Toe Plate Extension For 18" Diameter, 16 Gauge, Corrugated Aluminum Pipe End Section.....	48.25	
33 42 26 16-0113	EA Toe Plate Extension For 21" Diameter, 16 Gauge, Corrugated Aluminum Pipe End Section.....	54.13	
33 42 26 16-0114	EA Toe Plate Extension For 24" Diameter, 14 Gauge, Corrugated Aluminum Pipe End Section.....	57.54	
33 42 26 16-0115	EA Toe Plate Extension For 30" Diameter, 14 Gauge, Corrugated Aluminum Pipe End Section.....	74.77	
33 42 26 16-0116	EA Toe Plate Extension For 36" Diameter, 14 Gauge, Corrugated Aluminum Pipe End Section.....	89.30	
33 42 26 16-0117	EA Toe Plate Extension For 36" Diameter, 12 Gauge, Corrugated Aluminum Pipe End Section.....	93.80	
33 42 26 16-0118	EA Toe Plate Extension For 42" Diameter, 12 Gauge, Corrugated Aluminum Pipe End Section.....	102.84	
33 42 26 16-0119	EA Toe Plate Extension For 48" Diameter, 12 Gauge, Corrugated Aluminum Pipe End Section.....	116.23	
33 42 26 16-0120	EA Toe Plate Extension For 54" Diameter, 12 Gauge, Corrugated Aluminum Pipe End Section.....	137.09	
33 42 26 16-0121	EA Toe Plate Extension For 60" Diameter, 12 And 10 Gauge, Corrugated Aluminum Pipe End Section.....	188.30	
33 42 26 16-0122	EA Toe Plate Extension For 66" Diameter, 12 And 10 Gauge, Corrugated Aluminum Pipe End Section.....	204.39	
33 42 26 16-0123	EA Toe Plate Extension For 72" Diameter, 12 And 10 Gauge, Corrugated Aluminum Pipe End Section.....	262.18	
33 42 26 16-0124	EA Toe Plate Extension For 78" Diameter, 12 And 10 Gauge, Corrugated Aluminum Pipe End Section.....	284.11	
33 42 26 16-0125	EA Toe Plate Extension For 84" Diameter, 12 And 10 Gauge, Corrugated Aluminum Pipe End Section.....	302.88	
33 42 26 16-0126	EA Toe Plate Extension For 90" Diameter, 12 And 10 Gauge, Corrugated Aluminum Pipe End Section.....	322.51	
33 42 26 16-0127	EA 96" Diameter Corrugated Aluminum Pipe End Section, 12 And 10 Gauge Toe Plate Extension.....	342.48	
33 42 26 16-0128	Corrugated Aluminum Pipe-Arch End Sections (33 42 26 16-0001)		
33 42 26 16-0129	Corrugated Aluminum Pipe-Arch End Sections (33 42 26 16-0128)		
33 42 26 16-0130	EA 17" x 13" 16 Gauge, Corrugated Aluminum Pipe-Arch End Section.....	347.79	57.95
33 42 26 16-0131	EA 21" x 15" 16 Gauge, Corrugated Aluminum Pipe-Arch End Section.....	423.10	61.82
33 42 26 16-0132	EA 24" x 18" 16 Gauge, Corrugated Aluminum Pipe-Arch End Section.....	459.59	67.61
33 42 26 16-0133	EA 28" x 20" 16 Gauge, Corrugated Aluminum Pipe-Arch End Section.....	496.05	73.41
33 42 26 16-0134	EA 35" x 24" 14 Gauge, Corrugated Aluminum Pipe-Arch End Section.....	736.91	83.07
33 42 26 16-0135	EA 42" x 29" 14 Gauge, Corrugated Aluminum Pipe-Arch End Section.....	1,298.30	96.12
33 42 26 16-0136	EA 42" x 29" 12 Gauge, Corrugated Aluminum Pipe-Arch End Section.....	1,376.85	96.12
33 42 26 16-0137	EA 49" x 33" 12 Gauge, Corrugated Aluminum Pipe-Arch End Section.....	1,837.13	112.15
33 42 26 16-0138	EA 57" x 38" 12 Gauge, Corrugated Aluminum Pipe-Arch End Section.....	2,817.02	128.17
33 42 26 16-0139	EA 64" x 43" 12 Gauge, Corrugated Aluminum Pipe-Arch End Section.....	3,227.95	160.21
33 42 26 16-0140	EA 71" x 47" 12 And 10 Gauge, Corrugated Aluminum Pipe-Arch End Section.....	3,902.59	192.25
33 42 26 16-0141	EA 77" x 52" 12 And 10 Gauge, Corrugated Aluminum Pipe-Arch End Section.....	6,531.08	288.38
33 42 26 16-0142	EA 83" x 57" 12 And 10 Gauge, Corrugated Aluminum Pipe-Arch End Section.....	6,870.82	384.51
33 42 26 16-0143	EA 87" x 63" 12 And 10 Gauge, Corrugated Aluminum Pipe-Arch End Section.....	7,479.92	412.54
33 42 26 16-0144	EA 95" x 67" 12 And 10 Gauge, Corrugated Aluminum Pipe-Arch End Section.....	7,809.10	440.58
33 42 26 16-0145	EA 103" x 71" 12 And 10 Gauge, Corrugated Aluminum Pipe-Arch End Section.....	8,512.05	480.63
33 42 26 16-0146	EA 112" x 75" 12 And 10 Gauge, Corrugated Aluminum Pipe-Arch End Section.....	9,019.72	520.69
33 42 26 16-0147	Toe Plate Extensions For Corrugated Aluminum Pipe-Arch End Section (33 42 26 16-0128)		
33 42 26 16-0148	EA Toe Plate Extension For 17" x 13", 16 Gauge, Corrugated Aluminum Pipe-Arch End Section.....	44.66	
33 42 26 16-0149	EA Toe Plate Extension For 21" x 15", 16 Gauge, Corrugated Aluminum Pipe-Arch End Section.....	48.25	
33 42 26 16-0150	EA Toe Plate Extension For 24" x 18", 16 Gauge, Corrugated Aluminum Pipe-Arch End Section.....	50.99	
33 42 26 16-0151	EA Toe Plate Extension For 28" x 20", 16 Gauge, Corrugated Aluminum Pipe-Arch End Section.....	55.80	
33 42 26 16-0152	EA Toe Plate Extension For 35" x 24", 14 Gauge, Corrugated Aluminum Pipe-Arch End Section.....	64.88	
33 42 26 16-0153	EA Toe Plate Extension For 42" x 29", 14 Gauge, Corrugated Aluminum Pipe-Arch End Section.....	83.62	
33 42 26 16-0154	EA Toe Plate Extension For 42" x 29", 12 Gauge, Corrugated Aluminum Pipe-Arch End Section.....	90.79	
33 42 26 16-0155	EA Toe Plate Extension For 49" x 33", 12 Gauge, Corrugated Aluminum Pipe-Arch End Section.....	102.84	
33 42 26 16-0156	EA Toe Plate Extension For 57" x 38", 12 Gauge, Corrugated Aluminum Pipe-Arch End Section.....	116.23	
33 42 26 16-0157	EA Toe Plate Extension For 64" x 43", 12 Gauge, Corrugated Aluminum Pipe-Arch End Section.....	137.09	
33 42 26 16-0158	EA Toe Plate Extension For 71" x 47", 12 And 10 Gauge, Corrugated Aluminum Pipe-Arch End Section.....	172.36	
33 42 26 16-0159	EA Toe Plate Extension For 77" x 52", 12 And 10 Gauge, Corrugated Aluminum Pipe-Arch End Section.....	217.74	
33 42 26 16-0160	EA Toe Plate Extension For 83" x 57", 12 And 10 Gauge, Corrugated Aluminum Pipe-Arch End Section.....	295.55	
33 42 26 16-0161	EA Toe Plate Extension For 87" x 63", 12 And 10 Gauge, Corrugated Aluminum Pipe-Arch End Section.....	334.92	
33 42 26 16-0162	EA Toe Plate Extension For 95" x 67", 12 And 10 Gauge, Corrugated Aluminum Pipe-Arch End Section.....	351.34	
33 42 26 16-0163	EA Toe Plate Extension For 103" x 71", 12 And 10 Gauge, Corrugated Aluminum Pipe-Arch End Section.....	365.03	
33 42 26 16-0164	EA Toe Plate Extension For 112" x 75", 12 And 10 Gauge, Corrugated Aluminum Pipe-Arch End Section.....	381.54	
33 42 26 16-0165	Low Slope Corrugated Steel Pipe End Sections And Accessories (33 42 26 16-0001)		
33 42 26 16-0166	4:1 Corrugated Steel Pipe End Sections (33 42 26 16-0165)		
33 42 26 16-0167	EA 15" 16 Gauge, 4:1 Corrugated Steel Pipe End Section.....	401.02	57.95
33 42 26 16-0168	EA 18" 16 Gauge, 4:1 Corrugated Steel Pipe End Section.....	510.62	61.82
33 42 26 16-0169	EA 21" 16 Gauge, 4:1 Corrugated Steel Pipe End Section.....	621.55	67.61
33 42 26 16-0170	EA 24" 16 Gauge, 4:1 Corrugated Steel Pipe End Section.....	740.19	73.41
33 42 26 16-0171	EA 30" 16 Gauge, 4:1 Corrugated Steel Pipe End Section.....	878.83	83.07
33 42 26 16-0172	EA 36" 16 Gauge, 4:1 Corrugated Steel Pipe End Section.....	1,141.87	96.12
33 42 26 16-0173	EA 42" 16 Gauge, 4:1 Corrugated Steel Pipe End Section.....	1,798.43	112.15
33 42 26 16-0174	3" Diameter Parallel Safety Bar For 4:1 Corrugated Steel Pipe End Sections (33 42 26 16-0165)		
	Note: Includes nut and bolt set.		



	Utilities	33	
	Stormwater Utilities	33 40	33
	Stormwater Conveyance	33 42	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 26 16-0175 EA 3" Diameter Parallel Safety Bar For 15" 4:1 Corrugated Steel Pipe End Section	280.23	
33 42 26 16-0176 EA 3" Diameter Parallel Safety Bar For 18" 4:1 Corrugated Steel Pipe End Section	549.65	
33 42 26 16-0177 EA 3" Diameter Parallel Safety Bar For 21" 4:1 Corrugated Steel Pipe End Section	603.12	
33 42 26 16-0178 EA 3" Diameter Parallel Safety Bar For 24" 4:1 Corrugated Steel Pipe End Section	689.32	
33 42 26 16-0179 6:1 Corrugated Steel Pipe End Sections (33 42 26 16-0165)		
33 42 26 16-0180 EA 15" 16 Gauge, 6:1 Corrugated Steel Pipe End Section	464.30	57.95
33 42 26 16-0181 EA 18" 16 Gauge, 6:1 Corrugated Steel Pipe End Section	605.49	61.82
33 42 26 16-0182 EA 21" 16 Gauge, 6:1 Corrugated Steel Pipe End Section	802.47	67.61
33 42 26 16-0183 EA 24" 16 Gauge, 6:1 Corrugated Steel Pipe End Section	941.46	73.41
33 42 26 16-0184 EA 30" 16 Gauge, 6:1 Corrugated Steel Pipe End Section	1,116.40	83.07
33 42 26 16-0185 EA 36" 16 Gauge, 6:1 Corrugated Steel Pipe End Section	1,351.56	96.12
33 42 26 16-0186 EA 42" 16 Gauge, 6:1 Corrugated Steel Pipe End Section	2,060.79	112.15
33 42 26 16-0187 3" Diameter Parallel Safety Bar For 6:1 Corrugated Steel Pipe End Sections (33 42 26 16-0165)		
Note: Includes nut and bolt set.		
33 42 26 16-0188 EA 3" Diameter Parallel Safety Bar For 15" 6:1 Corrugated Steel Pipe End Section	536.78	
33 42 26 16-0189 EA 3" Diameter Parallel Safety Bar For 18" 6:1 Corrugated Steel Pipe End Section	679.31	
33 42 26 16-0190 EA 3" Diameter Parallel Safety Bar For 21" 6:1 Corrugated Steel Pipe End Section	747.23	
33 42 26 16-0191 EA 3" Diameter Parallel Safety Bar For 24" 6:1 Corrugated Steel Pipe End Section	785.69	
33 42 26 16-0192 Toe Plate Extensions For Low Slope Corrugated Steel Pipe End Section (33 42 26 16-0165)		
33 42 26 16-0193 EA Toe Plate Extension For 15" Low Slope Corrugated Steel Pipe End Section	49.34	
33 42 26 16-0194 EA Toe Plate Extension For 18" Low Slope Corrugated Steel Pipe End Section	55.05	
33 42 26 16-0195 EA Toe Plate Extension For 21" Low Slope Corrugated Steel Pipe End Section	59.88	
33 42 26 16-0196 EA Toe Plate Extension For 24" Low Slope Corrugated Steel Pipe End Section	66.73	
33 42 26 16-0197 EA Toe Plate Extension For 30" Low Slope Corrugated Steel Pipe End Section	98.81	
33 42 26 16-0198 EA Toe Plate Extension For 36" Low Slope Corrugated Steel Pipe End Section	106.02	
33 42 26 16-0199 EA Toe Plate Extension For 42" Low Slope Corrugated Steel Pipe End Section	140.81	
33 42 26 16-0200 Low Slope Corrugated Steel Pipe-Arch End Sections And Accessories (33 42 26 16-0001)		
33 42 26 16-0201 4:1 Corrugated Steel Pipe-Arch End Section (33 42 26 16-0200)		
33 42 26 16-0202 EA 21" x 15" 16 Gauge, 4:1 Corrugated Steel Pipe-Arch End Section	526.05	61.82
33 42 26 16-0203 EA 24" x 18" 16 Gauge, 4:1 Corrugated Steel Pipe-Arch End Section	657.88	67.61
33 42 26 16-0204 EA 28" x 20" 16 Gauge, 4:1 Corrugated Steel Pipe-Arch End Section	777.27	73.41
33 42 26 16-0205 EA 35" x 24" 16 Gauge, 4:1 Corrugated Steel Pipe-Arch End Section	1,452.79	83.07
33 42 26 16-0206 3" Diameter Parallel Safety Bar For 4:1 Corrugated Steel Pipe-Arch End Sections (33 42 26 16-0200)		
Note: Includes nut and bolt set.		
33 42 26 16-0207 EA 3" Diameter Parallel Safety Bar For 21" x 15" 4:1 Corrugated Steel Pipe-Arch End Section	372.99	
33 42 26 16-0208 EA 3" Diameter Parallel Safety Bar For 24" x 18" 4:1 Corrugated Steel Pipe-Arch End Section	674.81	
33 42 26 16-0209 EA 3" Diameter Parallel Safety Bar For 28" x 20" 4:1 Corrugated Steel Pipe-Arch End Section	711.21	
33 42 26 16-0210 EA 3" Diameter Parallel Safety Bar For 35" x 24" 4:1 Corrugated Steel Pipe-Arch End Section	1,044.17	
33 42 26 16-0211 Toe Plate Extensions For Low Slope Corrugated Steel Pipe-Arch End Section (33 42 26 16-0200)		
33 42 26 16-0212 EA Toe Plate Extension For 21" x 15" Low Slope Corrugated Steel Pipe-Arch End Section	54.77	
33 42 26 16-0213 EA Toe Plate Extension For 24" x 18" Low Slope Corrugated Steel Pipe-Arch End Section	62.04	
33 42 26 16-0214 EA Toe Plate Extension For 28" x 20" Low Slope Corrugated Steel Pipe-Arch End Section	67.63	
33 42 26 16-0215 EA Toe Plate Extension For 35" x 24" Low Slope Corrugated Steel Pipe-Arch End Section	80.92	
33 42 26 19 Corrugated High-Density Polyethylene (HDPE) End Sections for Stormwater Piping (33 42 26)		
33 42 26 19-0001 Corrugated High Density Polyethylene (HDPE) Pipe End Sections (33 42 26 19)		
33 42 26 19-0002 EA 4" End Section, Corrugated High Density Polyethylene (HDPE) Pipe	37.82	17.38
33 42 26 19-0003 EA 6" End Section, Corrugated High Density Polyethylene (HDPE) Pipe	60.12	26.06
33 42 26 19-0004 EA 8" End Section, Corrugated High Density Polyethylene (HDPE) Pipe	77.02	32.58
33 42 26 19-0005 EA 10" End Section, Corrugated High Density Polyethylene (HDPE) Pipe	122.64	52.13
33 42 26 19-0006 EA 12" End Section, Corrugated High Density Polyethylene (HDPE) Pipe	140.30	58.64
33 42 26 19-0007 EA 15" End Section, Corrugated High Density Polyethylene (HDPE) Pipe	150.13	62.99
33 42 26 19-0008 EA 18" End Section, Corrugated High Density Polyethylene (HDPE) Pipe	169.78	69.50
33 42 26 19-0009 EA 24" End Section, Corrugated High Density Polyethylene (HDPE) Pipe	207.44	82.53
33 42 26 19-0010 EA 30" End Section, Corrugated High Density Polyethylene (HDPE) Pipe	330.52	93.39
33 42 26 19-0011 EA 36" End Section, Corrugated High Density Polyethylene (HDPE) Pipe	368.21	104.25
33 42 26 23 Concrete End Sections for Stormwater Piping (33 42 26)		

33 Utilities**33 40 Stormwater Utilities****33 42 Stormwater Conveyance**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 26 23-0001 Precast Concrete End Sections <small>(33 42 26 23)</small>		
33 42 26 23-0002 Precast Concrete End Sections <small>(33 42 26 23-0001)</small>		
33 42 26 23-0003 EA 12" Diameter Pipe, Precast Concrete End Section	591.19	90.64
33 42 26 23-0004 EA 15" Diameter Pipe, Precast Concrete End Section	795.38	112.20
33 42 26 23-0005 EA 18" Diameter Pipe, Precast Concrete End Section	984.22	142.02
33 42 26 23-0006 EA 21" Diameter Pipe, Precast Concrete End Section	1,128.20	169.84
33 42 26 23-0007 EA 24" Diameter Pipe, Precast Concrete End Section	1,196.03	196.58
33 42 26 23-0008 EA 27" Diameter Pipe, Precast Concrete End Section	1,488.91	238.72
33 42 26 23-0009 EA 30" Diameter Pipe, Precast Concrete End Section	1,837.37	358.56
33 42 26 23-0010 EA 36" Diameter Pipe, Precast Concrete End Section	2,266.29	452.43
33 42 26 23-0011 EA 42" Diameter Pipe, Precast Concrete End Section	2,737.14	567.55
33 42 26 23-0012 EA 48" Diameter Pipe, Precast Concrete End Section	2,995.59	640.04
33 42 26 23-0013 EA 54" Diameter Pipe, Precast Concrete End Section	3,263.00	716.95
33 42 26 23-0014 EA 60" Diameter Pipe, Precast Concrete End Section	3,536.97	797.05
33 42 26 23-0015 EA 66" Diameter Pipe Precast Concrete End Section	3,588.83	658.74
33 42 26 23-0016 EA 72" Diameter Pipe Precast Concrete End Section	4,097.56	823.41
33 42 26 23-0017 EA 78" Diameter Pipe Precast Concrete End Section	4,862.39	1,029.25
33 42 26 23-0018 EA 84" Diameter Pipe Precast Concrete End Section	5,750.28	1,235.11
33 42 26 23-0019 Flared Precast Concrete End Sections <small>(33 42 26 23-0001)</small>		
33 42 26 23-0020 EA 12" Diameter Pipe, Flared Precast Concrete End Section	742.54	93.32
33 42 26 23-0021 EA 15" Diameter Pipe, Flared Precast Concrete End Section	893.45	116.31
33 42 26 23-0022 EA 18" Diameter Pipe, Flared Precast Concrete End Section	1,083.27	147.24
33 42 26 23-0023 EA 21" Diameter Pipe, Flared Precast Concrete End Section	1,235.99	176.07
33 42 26 23-0024 EA 24" Diameter Pipe, Flared Precast Concrete End Section	1,510.76	203.78
33 42 26 23-0025 EA 27" Diameter Pipe, Flared Precast Concrete End Section	1,803.34	325.47
33 42 26 23-0026 EA 30" Diameter Pipe, Flared Precast Concrete End Section	1,850.63	448.11
33 42 26 23-0027 EA 36" Diameter Pipe, Flared Precast Concrete End Section	2,509.74	565.55
33 42 26 23-0028 EA 42" Diameter Pipe, Flared Precast Concrete End Section	3,004.45	709.58
33 42 26 23-0029 EA 48" Diameter Pipe, Flared Precast Concrete End Section	3,243.37	800.26
33 42 26 23-0030 EA 54" Diameter Pipe, Flared Precast Concrete End Section	3,627.47	896.30
33 42 26 23-0031 EA 60" Diameter Pipe, Flared Precast Concrete End Section	4,018.37	995.55
33 42 26 23-0032 EA 66" Diameter Pipe, Flared Precast Concrete End Section	4,690.37	1,147.03
33 42 26 23-0033 EA 72" Diameter Pipe, Flared Precast Concrete End Section	5,484.16	1,280.25
33 42 26 23-0034 EA 78" Diameter Pipe, Flared Precast Concrete End Section	6,221.52	1,440.22
33 42 26 23-0035 EA 84" Diameter Pipe, Flared Precast Concrete End Section	7,191.19	1,600.03
33 42 26 23-0036 Elliptical Precast Concrete End Sections <small>(33 42 26 23-0001)</small>		
33 42 26 23-0037 EA 18" x 12" Elliptical Precast Concrete End Section	1,073.15	116.31
33 42 26 23-0038 EA 23" x 14" Elliptical Precast Concrete End Section	1,298.81	147.24
33 42 26 23-0039 EA 30" x 19" Elliptical Precast Concrete End Section	1,811.95	203.78
33 42 26 23-0040 EA 34" x 22" Elliptical Precast Concrete End Section	2,132.00	325.47
33 42 26 23-0041 EA 38" x 24" Elliptical Precast Concrete End Section	2,145.06	448.11
33 42 26 23-0042 EA 42" x 27" Elliptical Precast Concrete End Section	2,534.98	507.07
33 42 26 23-0043 EA 45" x 29" Elliptical Precast Concrete End Section	2,924.91	565.55
33 42 26 23-0044 EA 53" x 34" Elliptical Precast Concrete End Section	3,489.26	709.58
33 42 26 23-0045 EA 60" x 38" Elliptical Precast Concrete End Section	3,753.84	800.26
33 42 26 23-0046 EA 68" x 43" Elliptical Precast Concrete End Section	4,197.92	896.30
33 42 26 23-0047 EA 76" x 48" Elliptical Precast Concrete End Section	4,649.14	995.55
33 42 26 23-0048 Mitered Precast Concrete End Sections <small>(33 42 26 23-0001)</small>		
33 42 26 23-0049 EA 12" Round Mitered Precast Concrete End Sections	303.94	93.32
33 42 26 23-0050 EA 15" Round Mitered Precast Concrete End Sections	337.59	116.31
33 42 26 23-0051 EA 18" Round Mitered Precast Concrete End Sections	410.27	147.24
33 42 26 23-0052 EA 24" Round Mitered Precast Concrete End Sections	589.77	203.78
33 42 26 23-0053 EA 18" x 12" Elliptical Mitered Precast Concrete End Sections	358.11	116.31
33 42 26 23-0054 EA 23" x 14" Elliptical Mitered Precast Concrete End Sections	446.74	147.24
33 42 26 23-0055 EA 30" x 19" Elliptical Mitered Precast Concrete End Sections	634.19	203.78
33 42 31 Stormwater Area Drains and Inlets <small>(33 42)</small>		
33 42 31 00-0001 Storm Drains <small>(33 42 31)</small>		
See CSI section 33 05 61 00-0001 for manhole structures.		
33 42 31 00-0002 Catch Basins And Inlet Basins <small>(33 42 31 00-0001)</small>		
Note: Includes base slab, opening and grout. Excludes frame, grate, excavation and backfill.		
33 42 31 00-0003 Cast In Place, Grate Drop Inlet Basins <small>(33 42 31 00-0002)</small>		
Note: Inside dimensions.		
33 42 31 00-0004 3' x 3' x 4" Thick Wall, Cast In Place, Grate Drop Inlet Basins <small>(33 42 31 00-0003)</small>		
33 42 31 00-0005 EA 2' Deep, 3' x 3' x 4" Thick Wall, Cast In Place, Grate Drop Inlet Basin	1,447.70	263.78
33 42 31 00-0006 EA 3' Deep, 3' x 3' x 4" Thick Wall, Cast In Place, Grate Drop Inlet Basin	1,730.71	309.07
33 42 31 00-0007 EA 4' Deep, 3' x 3' x 4" Thick Wall, Cast In Place, Grate Drop Inlet Basin	2,013.73	354.28
33 42 31 00-0008 EA 5' Deep, 3' x 3' x 4" Thick Wall, Cast In Place, Grate Drop Inlet Basin	2,296.74	399.57
33 42 31 00-0009 EA 6' Deep, 3' x 3' x 4" Thick Wall, Cast In Place, Grate Drop Inlet Basin	2,579.74	444.78



Utilities	33	CS
Stormwater Utilities	33 40	
Stormwater Conveyance	33 42	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 31 00-0010 3'-8" x 3'-8" x 6" Thick Wall, Cast In Place, Grate Drop Inlet Basins (33 42 31 00-0003)		
33 42 31 00-0011 EA 2' Deep, 3'-8" x 3'-8" x 6" Thick Wall, Cast In Place, Grate Drop Inlet Basin	1,879.78	262.20
33 42 31 00-0012 EA 3' Deep, 3'-8" x 3'-8" x 6" Thick Wall, Cast In Place, Grate Drop Inlet Basin	2,321.69	349.59
33 42 31 00-0013 EA 4' Deep, 3'-8" x 3'-8" x 6" Thick Wall, Cast In Place, Grate Drop Inlet Basin	2,956.78	476.72
33 42 31 00-0014 EA 5' Deep, 3'-8" x 3'-8" x 6" Thick Wall, Cast In Place, Grate Drop Inlet Basin	3,607.16	556.16
33 42 31 00-0015 EA 6' Deep, 3'-8" x 3'-8" x 6" Thick Wall, Cast In Place, Grate Drop Inlet Basin	4,112.28	635.62
33 42 31 00-0016 4' x 4' x 8" Thick Wall, Cast In Place, Grate Drop Inlet Basins (33 42 31 00-0003)		
33 42 31 00-0017 EA 2' Deep, 4' x 4' x 8" Thick Wall, Cast In Place, Grate Drop Inlet Basin	2,021.58	286.03
33 42 31 00-0018 EA 3' Deep, 4' x 4' x 8" Thick Wall, Cast In Place, Grate Drop Inlet Basin	2,801.32	397.26
33 42 31 00-0019 EA 4' Deep, 4' x 4' x 8" Thick Wall, Cast In Place, Grate Drop Inlet Basin	3,414.01	516.44
33 42 31 00-0020 EA 5' Deep, 4' x 4' x 8" Thick Wall, Cast In Place, Grate Drop Inlet Basin	3,942.20	595.90
33 42 31 00-0021 EA 6' Deep, 4' x 4' x 8" Thick Wall, Cast In Place, Grate Drop Inlet Basin	4,998.28	762.75
33 42 31 00-0022 Cast In Place, Catch Basin (33 42 31 00-0002)		
Note: Inside span, overall depth.		
33 42 31 00-0023 3' x 3', Cast In Place, Catch Basins (33 42 31 00-0022)		
33 42 31 00-0024 EA 3' Deep, 3' x 3' x 6" Thick Wall, Cast In Place, Catch Basin	1,754.22	318.92
33 42 31 00-0025 EA 3'-6" Deep, 3' x 3' x 6" Thick Wall, Cast In Place, Catch Basin	1,861.78	339.10
33 42 31 00-0026 EA 4' Deep, 3' x 3' x 6" Thick Wall, Cast In Place, Catch Basin	2,023.61	364.21
33 42 31 00-0027 EA 4'-6" Deep, 3' x 3' x 6" Thick Wall, Cast In Place, Catch Basin	2,284.91	403.14
33 42 31 00-0028 EA 5' Deep, 3' x 3' x 6" Thick Wall, Cast In Place, Catch Basin	2,454.87	429.13
33 42 31 00-0029 EA 5'-6" Deep, 3' x 3' x 6" Thick Wall, Cast In Place, Catch Basin	2,572.83	450.02
33 42 31 00-0030 EA 6' Deep, 3' x 3' x 6" Thick Wall, Cast In Place, Catch Basin	2,742.93	476.00
33 42 31 00-0031 EA 6'-6" Deep, 3' x 3' x 6" Thick Wall, Cast In Place, Catch Basin	2,858.24	496.97
33 42 31 00-0032 EA 7' Deep, 3' x 3' x 6" Thick Wall, Cast In Place, Catch Basin	3,029.41	522.88
33 42 31 00-0033 EA 7'-6" Deep, 3' x 3' x 6" Thick Wall, Cast In Place, Catch Basin	3,146.30	543.85
33 42 31 00-0034 EA 8' Deep, 3' x 3' x 6" Thick Wall, Cast In Place, Catch Basin	3,316.33	569.83
33 42 31 00-0035 VLF >8' Deep, 3' x 3' x 6" Thick Wall, Cast In Place, Catch Basin	414.56	71.19
33 42 31 00-0036 3'-6" x 3'-6", Cast In Place, Catch Basins (33 42 31 00-0022)		
33 42 31 00-0037 EA 3' Deep, 3'-6" x 3'-6" x 6" Thick Wall, Cast In Place, Catch Basin	2,022.42	368.66
33 42 31 00-0038 EA 3'-6" Deep, 3'-6" x 3'-6" x 6" Thick Wall, Cast In Place, Catch Basin	2,158.46	394.56
33 42 31 00-0039 EA 4' Deep, 3'-6" x 3'-6" x 6" Thick Wall, Cast In Place, Catch Basin	2,327.84	420.54
33 42 31 00-0040 EA 4'-6" Deep, 3'-6" x 3'-6" x 6" Thick Wall, Cast In Place, Catch Basin	2,633.12	465.75
33 42 31 00-0041 EA 5' Deep, 3'-6" x 3'-6" x 6" Thick Wall, Cast In Place, Catch Basin	2,821.26	495.15
33 42 31 00-0042 EA 5'-6" Deep, 3'-6" x 3'-6" x 6" Thick Wall, Cast In Place, Catch Basin	2,957.27	519.54
33 42 31 00-0043 EA 6' Deep, 3'-6" x 3'-6" x 6" Thick Wall, Cast In Place, Catch Basin	3,147.90	548.94
33 42 31 00-0044 EA 6'-6" Deep, 3'-6" x 3'-6" x 6" Thick Wall, Cast In Place, Catch Basin	3,283.90	573.33
33 42 31 00-0045 EA 7' Deep, 3'-6" x 3'-6" x 6" Thick Wall, Cast In Place, Catch Basin	3,473.03	602.73
33 42 31 00-0046 EA 7'-6" Deep, 3'-6" x 3'-6" x 6" Thick Wall, Cast In Place, Catch Basin	3,609.46	627.12
33 42 31 00-0047 EA 8' Deep, 3'-6" x 3'-6" x 6" Thick Wall, Cast In Place, Catch Basin	3,798.67	656.52
33 42 31 00-0048 VLF >8' Deep, 3'-6" x 3'-6" x 6" Thick Wall, Cast In Place, Catch Basin	474.86	82.07
33 42 31 00-0049 4' x 4', Cast In Place, Catch Basins (33 42 31 00-0022)		
33 42 31 00-0050 EA 3' Deep, 4' x 4' x 6" Thick Wall, Cast In Place, Catch Basin	2,309.41	421.73
33 42 31 00-0051 EA 3'-6" Deep, 4' x 4' x 6" Thick Wall, Cast In Place, Catch Basin	2,452.99	448.51
33 42 31 00-0052 EA 4' Deep, 4' x 4' x 6" Thick Wall, Cast In Place, Catch Basin	2,649.78	480.21
33 42 31 00-0053 EA 4'-6" Deep, 4' x 4' x 6" Thick Wall, Cast In Place, Catch Basin	2,999.54	531.78
33 42 31 00-0054 EA 5' Deep, 4' x 4' x 6" Thick Wall, Cast In Place, Catch Basin	3,208.30	564.59
33 42 31 00-0055 EA 5'-6" Deep, 4' x 4' x 6" Thick Wall, Cast In Place, Catch Basin	3,363.75	592.48
33 42 31 00-0056 EA 6' Deep, 4' x 4' x 6" Thick Wall, Cast In Place, Catch Basin	3,572.51	625.29
33 42 31 00-0057 EA 6'-6" Deep, 4' x 4' x 6" Thick Wall, Cast In Place, Catch Basin	3,727.52	653.18
33 42 31 00-0058 EA 7' Deep, 4' x 4' x 6" Thick Wall, Cast In Place, Catch Basin	3,936.28	685.99
33 42 31 00-0059 EA 7'-6" Deep, 4' x 4' x 6" Thick Wall, Cast In Place, Catch Basin	4,091.74	713.88
33 42 31 00-0060 EA 8' Deep, 4' x 4' x 6" Thick Wall, Cast In Place, Catch Basin	4,300.49	746.77
33 42 31 00-0061 VLF >8' Deep, 4' x 4' x 6" Thick Wall, Cast In Place, Catch Basin	537.53	93.36
33 42 31 00-0062 4'-6" x 4'-6", Cast In Place, Catch Basins (33 42 31 00-0022)		
33 42 31 00-0063 EA 3' Deep, 4'-6" x 4'-6" x 6" Thick Wall, Cast In Place, Catch Basin	2,668.68	489.03
33 42 31 00-0064 EA 3'-6" Deep, 4'-6" x 4'-6" x 6" Thick Wall, Cast In Place, Catch Basin	2,835.82	516.68
33 42 31 00-0065 EA 4' Deep, 4'-6" x 4'-6" x 6" Thick Wall, Cast In Place, Catch Basin	3,054.74	552.44
33 42 31 00-0066 EA 4'-6" Deep, 4'-6" x 4'-6" x 6" Thick Wall, Cast In Place, Catch Basin	3,453.65	611.07
33 42 31 00-0067 EA 5' Deep, 4'-6" x 4'-6" x 6" Thick Wall, Cast In Place, Catch Basin	3,686.51	648.09
33 42 31 00-0068 EA 5'-6" Deep, 4'-6" x 4'-6" x 6" Thick Wall, Cast In Place, Catch Basin	3,866.16	680.11
33 42 31 00-0069 EA 6' Deep, 4'-6" x 4'-6" x 6" Thick Wall, Cast In Place, Catch Basin	4,099.45	717.13
33 42 31 00-0070 EA 6'-6" Deep, 4'-6" x 4'-6" x 6" Thick Wall, Cast In Place, Catch Basin	4,279.09	749.24
33 42 31 00-0071 EA 7' Deep, 4'-6" x 4'-6" x 6" Thick Wall, Cast In Place, Catch Basin	4,511.94	786.26
33 42 31 00-0072 EA 7'-6" Deep, 4'-6" x 4'-6" x 6" Thick Wall, Cast In Place, Catch Basin	4,690.51	818.28
33 42 31 00-0073 EA 8' Deep, 4'-6" x 4'-6" x 6" Thick Wall, Cast In Place, Catch Basin	4,924.87	855.30
33 42 31 00-0074 VLF >8' Deep, 4'-6" x 4'-6" x 6" Thick Wall, Cast In Place, Catch Basin	615.65	106.94



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 31 00-0075			5' x 5', Cast In Place, Catch Basins (33 42 31 00-0022)		
33 42 31 00-0076	EA		4' Deep, 5' x 5' x 6" Thick Wall, Cast In Place, Catch Basin	3,424.70	620.28
33 42 31 00-0077	EA		4'-6" Deep, 5' x 5' x 8" Thick Wall, Cast In Place, Catch Basin	3,868.93	685.43
33 42 31 00-0078	EA		5' Deep, 5' x 5' x 8" Thick Wall, Cast In Place, Catch Basin	4,122.72	726.03
33 42 31 00-0079	EA		5'-6" Deep, 5' x 5' x 8" Thick Wall, Cast In Place, Catch Basin	4,322.23	761.63
33 42 31 00-0080	EA		6' Deep, 5' x 5' x 8" Thick Wall, Cast In Place, Catch Basin	4,573.44	802.16
33 42 31 00-0081	EA		6'-6" Deep, 5' x 5' x 8" Thick Wall, Cast In Place, Catch Basin	4,774.00	837.75
33 42 31 00-0082	EA		7' Deep, 5' x 5' x 8" Thick Wall, Cast In Place, Catch Basin	5,026.72	878.35
33 42 31 00-0083	EA		7'-6" Deep, 5' x 5' x 8" Thick Wall, Cast In Place, Catch Basin	5,224.73	913.94
33 42 31 00-0084	EA		8' Deep, 5' x 5' x 8" Thick Wall, Cast In Place, Catch Basin	5,478.51	954.47
33 42 31 00-0085	VLF		>8' Deep, 5' x 5' x 8" Thick Wall, Cast In Place, Catch Basin	889.10	119.34
33 42 31 00-0086			5'-6" x 5'-6", Cast In Place, Catch Basins (33 42 31 00-0022)		
33 42 31 00-0087	EA		4' Deep, 5'-6" x 5'-6" x 6" Thick Wall, Cast In Place, Catch Basin	3,812.35	691.72
33 42 31 00-0088	EA		4'-6" Deep, 5'-6" x 5'-6" x 8" Thick Wall, Cast In Place, Catch Basin	4,439.04	783.01
33 42 31 00-0089	EA		5' Deep, 5'-6" x 5'-6" x 8" Thick Wall, Cast In Place, Catch Basin	4,720.78	828.14
33 42 31 00-0090	EA		5'-6" Deep, 5'-6" x 5' x 8" Thick Wall, Cast In Place, Catch Basin	4,948.25	868.58
33 42 31 00-0091	EA		6' Deep, 5'-6" x 5'-6" x 8" Thick Wall, Cast In Place, Catch Basin	5,231.48	914.02
33 42 31 00-0092	EA		6'-6" Deep, 5'-6" x 5'-6" x 8" Thick Wall, Cast In Place, Catch Basin	5,460.02	954.47
33 42 31 00-0093	EA		7' Deep, 5'-6" x 5'-6" x 8" Thick Wall, Cast In Place, Catch Basin	5,741.77	999.91
33 42 31 00-0094	EA		7'-6" Deep, 5'-6" x 5'-6" x 8" Thick Wall, Cast In Place, Catch Basin	5,969.22	1,040.35
33 42 31 00-0095	EA		8' Deep, 5'-6" x 5'-6" x 8" Thick Wall, Cast In Place, Catch Basin	6,250.97	1,085.80
33 42 31 00-0096	VLF		>8' Deep, 5'-6" x 5'-6" x 8" Thick Wall, Cast In Place, Catch Basin	781.37	135.70
33 42 31 00-0097			6' x 6', Cast In Place, Catch Basins (33 42 31 00-0022)		
33 42 31 00-0098	EA		4' Deep, 6' x 6' x 6" Thick Wall, Cast In Place, Catch Basin	4,220.61	766.47
33 42 31 00-0099	EA		4'-6" Deep, 6' x 6' x 8" Thick Wall, Cast In Place, Catch Basin	4,911.06	866.67
33 42 31 00-0100	EA		5' Deep, 6' x 6' x 8" Thick Wall, Cast In Place, Catch Basin	5,214.19	915.77
33 42 31 00-0101	EA		5'-6" Deep, 6' x 6' x 8" Thick Wall, Cast In Place, Catch Basin	5,462.63	959.86
33 42 31 00-0102	EA		6' Deep, 6' x 6' x 8" Thick Wall, Cast In Place, Catch Basin	5,764.71	1,008.97
33 42 31 00-0103	EA		6'-6" Deep, 6' x 6' x 8" Thick Wall, Cast In Place, Catch Basin	6,014.65	1,053.07
33 42 31 00-0104	EA		7' Deep, 6' x 6' x 8" Thick Wall, Cast In Place, Catch Basin	6,316.29	1,102.16
33 42 31 00-0105	EA		7'-6" Deep, 6' x 6' x 8" Thick Wall, Cast In Place, Catch Basin	6,565.15	1,146.26
33 42 31 00-0106	EA		8' Deep, 6' x 6' x 8" Thick Wall, Cast In Place, Catch Basin	6,868.30	1,195.36
33 42 31 00-0107	VLF		>8' Deep, 6' x 6' x 8" Thick Wall, Cast In Place, Catch Basin	858.58	149.45
33 42 31 00-0108			6'-6" x 6'-6", Cast In Place, Catch Basins (33 42 31 00-0022)		
33 42 31 00-0109	EA		4' Deep, 6'-6" x 6'-6" x 6" Thick Wall, Cast In Place, Catch Basin	4,646.90	844.82
33 42 31 00-0110	EA		4'-6" Deep, 6'-6" x 6'-6" x 8" Thick Wall, Cast In Place, Catch Basin	5,575.03	978.77
33 42 31 00-0111	EA		5' Deep, 6'-6" x 6'-6" x 8" Thick Wall, Cast In Place, Catch Basin	5,908.72	1,033.12
33 42 31 00-0112	EA		5'-6" Deep, 6'-6" x 6'-6" x 8" Thick Wall, Cast In Place, Catch Basin	6,189.12	1,082.46
33 42 31 00-0113	EA		6' Deep, 6'-6" x 6'-6" x 8" Thick Wall, Cast In Place, Catch Basin	6,522.80	1,136.72
33 42 31 00-0114	EA		6'-6" Deep, 6'-6" x 6'-6" x 8" Thick Wall, Cast In Place, Catch Basin	6,803.20	1,186.14
33 42 31 00-0115	EA		7' Deep, 6'-6" x 6'-6" x 8" Thick Wall, Cast In Place, Catch Basin	7,136.88	1,240.41
33 42 31 00-0116	EA		7'-6" Deep, 6'-6" x 6'-6" x 8" Thick Wall, Cast In Place, Catch Basin	7,417.28	1,289.75
33 42 31 00-0117	EA		8' Deep, 6'-6" x 6'-6" x 8" Thick Wall, Cast In Place, Catch Basin	7,752.46	1,344.09
33 42 31 00-0118	VLF		>8' Deep, 6'-6" x 6'-6" x 8" Thick Wall, Cast In Place, Catch Basin	969.02	168.04
33 42 31 00-0119			7' x 7', Cast In Place, Catch Basins (33 42 31 00-0022)		
33 42 31 00-0120	EA		4' Deep, 7' x 7' x 6" Thick Wall, Cast In Place, Catch Basin	5,092.45	926.58
33 42 31 00-0121	EA		4'-6" Deep, 7' x 7' x 8" Thick Wall, Cast In Place, Catch Basin	6,107.79	1,072.77
33 42 31 00-0122	EA		5' Deep, 7' x 7' x 8" Thick Wall, Cast In Place, Catch Basin	6,463.36	1,130.93
33 42 31 00-0123	EA		5'-6" Deep, 7' x 7' x 8" Thick Wall, Cast In Place, Catch Basin	6,764.21	1,184.00
33 42 31 00-0124	EA		6' Deep, 7' x 7' x 8" Thick Wall, Cast In Place, Catch Basin	7,120.78	1,242.08
33 42 31 00-0125	EA		6'-6" Deep, 7' x 7' x 8" Thick Wall, Cast In Place, Catch Basin	7,421.63	1,295.24
33 42 31 00-0126	EA		7' Deep, 7' x 7' x 8" Thick Wall, Cast In Place, Catch Basin	7,777.19	1,353.32
33 42 31 00-0127	EA		7'-6" Deep, 7' x 7' x 8" Thick Wall, Cast In Place, Catch Basin	8,079.12	1,406.47
33 42 31 00-0128	EA		8' Deep, 7' x 7' x 8" Thick Wall, Cast In Place, Catch Basin	8,434.60	1,464.54
33 42 31 00-0129	VLF		>8' Deep, 7' x 7' x 8" Thick Wall, Cast In Place, Catch Basin	1,054.37	183.05
33 42 31 00-0130			7'-6" x 7'-6", Cast In Place, Catch Basins (33 42 31 00-0022)		
33 42 31 00-0131	EA		4' Deep, 7'-6" x 7'-6" x 6" Thick Wall, Cast In Place, Catch Basin	5,753.54	1,039.95
33 42 31 00-0132	EA		4'-6" Deep, 7'-6" x 7'-6" x 8" Thick Wall, Cast In Place, Catch Basin	6,662.52	1,170.58
33 42 31 00-0133	EA		5' Deep, 7'-6" x 7'-6" x 8" Thick Wall, Cast In Place, Catch Basin	7,038.46	1,232.46
33 42 31 00-0134	EA		5'-6" Deep, 7'-6" x 7'-6" x 8" Thick Wall, Cast In Place, Catch Basin	7,362.26	1,289.36
33 42 31 00-0135	EA		6' Deep, 7'-6" x 7'-6" x 8" Thick Wall, Cast In Place, Catch Basin	7,739.20	1,351.25
33 42 31 00-0136	EA		6'-6" Deep, 7'-6" x 7'-6" x 8" Thick Wall, Cast In Place, Catch Basin	8,063.00	1,408.13
33 42 31 00-0137	EA		7' Deep, 7'-6" x 7'-6" x 8" Thick Wall, Cast In Place, Catch Basin	8,438.95	1,470.03
33 42 31 00-0138	EA		7'-6" Deep, 7'-6" x 7'-6" x 8" Thick Wall, Cast In Place, Catch Basin	8,762.76	1,526.92
33 42 31 00-0139	EA		8' Deep, 7'-6" x 7'-6" x 8" Thick Wall, Cast In Place, Catch Basin	9,139.76	1,588.81
33 42 31 00-0140	VLF		>8' Deep, 7'-6" x 7'-6" x 8" Thick Wall, Cast In Place, Catch Basin	1,142.45	198.63
33 42 31 00-0141			8' x 8', Cast In Place, Catch Basins (33 42 31 00-0022)		



	Utilities	33
	Stormwater Utilities	33 40
	Stormwater Conveyance	33 42

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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 31 00-0142 EA 4' Deep, 8' x 8' x 6" Thick Wall, Cast In Place, Catch Basin	6,256.16	1,131.48
33 42 31 00-0143 EA 4'-6" Deep, 8' x 8' x 8" Thick Wall, Cast In Place, Catch Basin	7,237.52	1,272.20
33 42 31 00-0144 EA 5' Deep, 8' x 8' x 8" Thick Wall, Cast In Place, Catch Basin	7,634.99	1,337.82
33 42 31 00-0145 EA 5'-6" Deep, 8' x 8' x 8" Thick Wall, Cast In Place, Catch Basin	7,980.68	1,398.53
33 42 31 00-0146 EA 6' Deep, 8' x 8' x 8" Thick Wall, Cast In Place, Catch Basin	8,378.07	1,464.15
33 42 31 00-0147 EA 6'-6" Deep, 8' x 8' x 8" Thick Wall, Cast In Place, Catch Basin	8,721.62	1,524.86
33 42 31 00-0148 EA 7' Deep, 8' x 8' x 8" Thick Wall, Cast In Place, Catch Basin	9,121.15	1,590.48
33 42 31 00-0149 EA 7'-6" Deep, 8' x 8' x 8" Thick Wall, Cast In Place, Catch Basin	9,466.84	1,651.19
33 42 31 00-0150 EA 8' Deep, 8' x 8' x 8" Thick Wall, Cast In Place, Catch Basin	9,857.18	1,716.81
33 42 31 00-0151 VLF >8' Deep, 8' x 8' x 8" Thick Wall, Cast In Place, Catch Basin	1,233.03	214.60
33 42 31 00-0152 Precast Concrete Catch Basins (33 42 31 00-0002)		
Note: Inside dimensions.		
33 42 31 00-0153 1'-6" Diameter Precast Catch Basins (33 42 31 00-0152)		
33 42 31 00-0154 EA 4' Deep, 1'-6" Diameter Precast Catch Basins.....	555.32	163.06
33 42 31 00-0155 EA 6' Deep, 1'-6" Diameter Precast Catch Basins.....	768.03	244.60
33 42 31 00-0156 EA 8' Deep, 1'-6" Diameter Precast Catch Basins.....	969.53	317.97
33 42 31 00-0157 EA 10' Deep, 1'-6" Diameter Precast Catch Basins.....	1,163.18	375.86
33 42 31 00-0158 EA 12' Deep, 1'-6" Diameter Precast Catch Basins.....	1,428.62	476.96
33 42 31 00-0159 EA 14' Deep, 1'-6" Diameter Precast Catch Basins.....	1,633.04	550.33
33 42 31 00-0160 VLF Vertical Linear Foot Over 14' Deep, 1'-6" Diameter Precast Catch Basins.....	113.37	36.69
33 42 31 00-0161 2' Diameter Precast Catch Basins (33 42 31 00-0152)		
33 42 31 00-0162 EA 4' Deep, 2' Diameter Precast Catch Basin.....	633.91	181.41
33 42 31 00-0163 EA 6' Deep, 2' Diameter Precast Catch Basin.....	871.84	269.06
33 42 31 00-0164 EA 8' Deep, 2' Diameter Precast Catch Basin.....	1,096.39	354.66
33 42 31 00-0165 EA 10' Deep, 2' Diameter Precast Catch Basin.....	1,311.45	413.78
33 42 31 00-0166 EA 12' Deep, 2' Diameter Precast Catch Basin.....	1,619.88	529.95
33 42 31 00-0167 EA 14' Deep, 2' Diameter Precast Catch Basin.....	1,849.35	611.49
33 42 31 00-0168 VLF Vertical Linear Foot Over 14' Deep, 2' Diameter Precast Catch Basin	128.41	44.03
33 42 31 00-0169 3' Diameter Precast Catch Basins (33 42 31 00-0152)		
33 42 31 00-0170 EA 4' Deep, 3' Diameter Precast Catch Basin.....	844.12	214.02
33 42 31 00-0171 EA 6' Deep, 3' Diameter Precast Catch Basin.....	1,145.11	316.34
33 42 31 00-0172 EA 8' Deep, 3' Diameter Precast Catch Basin.....	1,432.64	417.85
33 42 31 00-0173 EA 10' Deep, 3' Diameter Precast Catch Basin.....	1,784.31	521.80
33 42 31 00-0174 EA 12' Deep, 3' Diameter Precast Catch Basin.....	2,105.52	622.08
33 42 31 00-0175 EA 14' Deep, 3' Diameter Precast Catch Basin.....	2,414.52	724.00
33 42 31 00-0176 VLF Vertical Linear Foot Over 14' Deep, 3' Diameter Precast Catch Basin	165.55	51.71
33 42 31 00-0177 4' Diameter Precast Catch Basins (33 42 31 00-0152)		
33 42 31 00-0178 EA 4' Deep, 4' Diameter Precast Catch Basin.....	1,027.12	238.07
33 42 31 00-0179 EA 6' Deep, 4' Diameter Precast Catch Basin.....	1,331.10	326.13
33 42 31 00-0180 EA 8' Deep, 4' Diameter Precast Catch Basin.....	1,767.43	489.19
33 42 31 00-0181 EA 10' Deep, 4' Diameter Precast Catch Basin.....	2,205.38	611.49
33 42 31 00-0182 EA 12' Deep, 4' Diameter Precast Catch Basin.....	2,603.96	733.79
33 42 31 00-0183 EA 14' Deep, 4' Diameter Precast Catch Basin.....	2,988.56	856.08
33 42 31 00-0184 VLF Vertical Linear Foot Over 14' Deep, 4' Diameter Precast Catch Basin	204.39	61.14
33 42 31 00-0185 5' Diameter Precast Catch Basins (33 42 31 00-0152)		
33 42 31 00-0186 EA 4' Deep, 5' Diameter Precast Catch Basin.....	1,381.15	326.13
33 42 31 00-0187 EA 6' Deep, 5' Diameter Precast Catch Basin.....	1,878.65	489.19
33 42 31 00-0188 EA 8' Deep, 5' Diameter Precast Catch Basin.....	2,378.57	652.25
33 42 31 00-0189 EA 10' Deep, 5' Diameter Precast Catch Basin.....	2,904.65	815.31
33 42 31 00-0190 EA 12' Deep, 5' Diameter Precast Catch Basin.....	3,422.02	978.38
33 42 31 00-0191 EA 14' Deep, 5' Diameter Precast Catch Basin.....	3,980.39	1,141.44
33 42 31 00-0192 VLF Vertical Linear Foot Over 14' Deep, 5' Diameter Precast Catch Basin	271.90	81.54
33 42 31 00-0193 6' Diameter Precast Catch Basins (33 42 31 00-0152)		
33 42 31 00-0194 EA 4' Deep, 6' Diameter Precast Catch Basin.....	2,017.67	489.19
33 42 31 00-0195 EA 6' Deep, 6' Diameter Precast Catch Basin.....	2,715.18	733.79
33 42 31 00-0196 EA 8' Deep, 6' Diameter Precast Catch Basin.....	3,464.25	978.38
33 42 31 00-0197 EA 10' Deep, 6' Diameter Precast Catch Basin.....	4,316.42	1,222.98
33 42 31 00-0198 EA 12' Deep, 6' Diameter Precast Catch Basin.....	5,140.77	1,467.57
33 42 31 00-0199 EA 14' Deep, 6' Diameter Precast Catch Basin.....	5,943.71	1,712.17
33 42 31 00-0200 VLF Vertical Linear Foot Over 14' Deep, 6' Diameter Precast Catch Basin	405.09	122.30
33 42 31 00-0201 Precast Catch Basins Accessories (33 42 31 00-0152)		
33 42 31 00-0202 EA Single Or Double Wing Slab Top With Throat.....	1,149.28	529.95
33 42 31 00-0203 EA 4' x 4' Weir Box, Precast Catch Basin.....	579.35	65.22
33 42 31 00-0204 EA 4' Diameter Inlet Round To Square Adapter, Precast Catch Basin.....	316.09	69.30

33 Utilities**33 40 Stormwater Utilities****33 42 Stormwater Conveyance**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 31 00-0205 EA 3' Diameter, Up To 6" High, Precast Extension Ring.....	390.12	101.92
For Each Additional Inch In Height, Add	48.02	
33 42 31 00-0206 EA 4' Diameter, Up To 6" High, Precast Extension Ring.....	459.57	122.30
For Each Additional Inch In Height, Add	56.20	
33 42 31 00-0207 EA 5' Diameter, Up To 6" High, Precast Extension Ring.....	536.11	142.68
For Each Additional Inch In Height, Add	65.60	
33 42 31 00-0208 EA 6' Diameter, Up To 6" High, Precast Extension Ring.....	663.86	203.83
For Each Additional Inch In Height, Add	76.71	
33 42 31 00-0209 EA Adjust Existing Catch Basin Inlet Grate To Match Grade.....	489.16	
33 42 31 00-0210 Catch Basin Risers (33 42 31 00-0152)		
33 42 31 00-0211 EA Up To 860 Square Inch, Up To 2" Rise, Catch Basin Riser.....	289.29	
33 42 31 00-0212 EA >860 To 1140 Square Inch, Up To 2" Rise, Catch Basin Riser.....	322.24	
33 42 31 00-0213 EA >1140 Square Inch, Up To 2" Rise, Catch Basin Riser.....	361.38	
33 42 31 00-0214 EA Up To 860 Square Inch, >2" To 3" Rise, Catch Basin Riser.....	311.34	
33 42 31 00-0215 EA >860 To 1140 Square Inch, >2" To 3" Rise, Catch Basin Riser.....	346.50	
33 42 31 00-0216 EA >1140 Square Inch, >2" To 3" Rise, Catch Basin Riser.....	389.88	
33 42 31 00-0217 EA Up To 860 Square Inch, >3" To 4" Rise, Catch Basin Riser.....	344.06	
33 42 31 00-0218 EA >860 To 1140 Square Inch, >3" To 4" Rise, Catch Basin Riser.....	375.32	
33 42 31 00-0219 EA >1140 Square Inch, >3" To 4" Rise, Catch Basin Riser.....	418.86	
33 42 31 00-0220 Catch Basin Frames And Covers (33 42 31 00-0001)		
33 42 31 00-0221 Cast Iron Frames And Covers (33 42 31 00-0220)		
33 42 31 00-0222 EA 18" Diameter Cast Iron Catch Basin Frame And Cover.....	403.08	81.54
33 42 31 00-0223 EA 22" Diameter Cast Iron Catch Basin Frame And Cover.....	500.78	92.13
33 42 31 00-0224 EA 24" Diameter Cast Iron Catch Basin Frame And Cover.....	559.12	95.39
33 42 31 00-0225 EA 26" Diameter Cast Iron Catch Basin Frame And Cover.....	627.03	110.88
33 42 31 00-0226 EA 28" Diameter Cast Iron Catch Basin Frame And Cover.....	725.02	126.38
33 42 31 00-0227 EA 32" Diameter Cast Iron Catch Basin Frame And Cover.....	1,119.35	132.08
33 42 31 00-0228 EA 16" x 16" Cast Iron Catch Basin Frame And Cover.....	620.78	100.29
33 42 31 00-0229 EA 18" x 24" Cast Iron Catch Basin Frame And Cover.....	797.81	115.78
33 42 31 00-0230 EA 20" x 27" Cast Iron Catch Basin Frame And Cover.....	894.61	120.67
33 42 31 00-0231 EA 23" x 23" Cast Iron Catch Basin Frame And Cover.....	850.27	120.67
33 42 31 00-0232 EA 24" x 24" Cast Iron Catch Basin Frame And Cover.....	879.54	125.55
33 42 31 00-0233 EA 26" x 26" Cast Iron Catch Basin Frame And Cover.....	941.33	130.45
33 42 31 00-0234 EA 24" x 36" Cast Iron Catch Basin Frame And Cover.....	1,119.37	140.24
33 42 31 00-0235 Area Yard Drain (33 42 31 00-0001)		
See CSI section 22 14 26 16-0001 for drains.		
33 42 31 00-0236 Ductile Iron Grates (33 42 31 00-0235)		
Note: Not for traffic loading.		
33 42 31 00-0237 EA 8" Diameter Ductile Iron Grate Adapter Necks Down To 4" and 6" Diameter Pipe.....	107.64	32.58
33 42 31 00-0238 EA 10" Diameter Ductile Iron Grate Adapters To 4", 6", or 8" Diameter Pipe.....	127.62	34.75
33 42 31 00-0239 EA 12" Diameter Ductile Iron Grate Adapters To 4" Through 12" Diameter Pipe.....	265.67	43.44
33 42 31 00-0240 EA 15" Diameter Ductile Iron Grate Adapters To 4" Through 12" Diameter Pipe.....	317.62	52.13
33 42 31 00-0241 Concrete Drainage Inlet Structures (CALTRANS) (33 42 31 00-0001)		
33 42 31 00-0242 Type OS Concrete Drainage Inlet Structure (33 42 31 00-0241)		
33 42 31 00-0243 EA 3' Deep Type OS Concrete Drainage Inlet Structure, 6" Wall Thickness.....	2,255.04	
33 42 31 00-0244 EA 4' Deep Type OS Concrete Drainage Inlet Structure, 6" Wall Thickness.....	2,621.63	
33 42 31 00-0245 EA 5' Deep Type OS Concrete Drainage Inlet Structure, 6" Wall Thickness.....	2,962.70	
33 42 31 00-0246 EA 6' Deep Type OS Concrete Drainage Inlet Structure, 6" Wall Thickness.....	3,278.24	
33 42 31 00-0247 EA 7' Deep Type OS Concrete Drainage Inlet Structure, 6" Wall Thickness.....	3,568.24	
33 42 31 00-0248 EA 8' Deep Type OS Concrete Drainage Inlet Structure, 6" Wall Thickness.....	3,832.72	
33 42 31 00-0249 EA 8' Deep Type OS Concrete Drainage Inlet Structure, 8" Wall Thickness.....	5,215.23	
33 42 31 00-0250 EA 10' Deep Type OS Concrete Drainage Inlet Structure, 8" Wall Thickness.....	6,082.20	
33 42 31 00-0251 EA 12' Deep Type OS Concrete Drainage Inlet Structure, 8" Wall Thickness.....	6,883.50	
33 42 31 00-0252 EA 14' Deep Type OS Concrete Drainage Inlet Structure, 8" Wall Thickness.....	7,620.73	
33 42 31 00-0253 EA 16' Deep Type OS Concrete Drainage Inlet Structure, 8" Wall Thickness.....	8,333.44	
33 42 31 00-0254 EA 18' Deep Type OS Concrete Drainage Inlet Structure, 8" Wall Thickness.....	8,990.49	
33 42 31 00-0255 EA 20' Deep Type OS Concrete Drainage Inlet Structure, 8" Wall Thickness.....	9,591.90	
33 42 31 00-0256 Type OL-7 Concrete Drainage Inlet Structure (33 42 31 00-0241)		
33 42 31 00-0257 EA 3' Deep Type OL-7 Concrete Drainage Inlet Structure, 6" Wall Thickness.....	3,070.68	
33 42 31 00-0258 EA 4' Deep Type OL-7 Concrete Drainage Inlet Structure, 6" Wall Thickness.....	3,413.93	
33 42 31 00-0259 EA 5' Deep Type OL-7 Concrete Drainage Inlet Structure, 6" Wall Thickness.....	3,731.66	
33 42 31 00-0260 EA 6' Deep Type OL-7 Concrete Drainage Inlet Structure, 6" Wall Thickness.....	4,023.85	
33 42 31 00-0261 EA 7' Deep Type OL-7 Concrete Drainage Inlet Structure, 6" Wall Thickness.....	4,289.69	
33 42 31 00-0262 EA 8' Deep Type OL-7 Concrete Drainage Inlet Structure, 6" Wall Thickness.....	4,530.81	
33 42 31 00-0263 EA 8' Deep Type OL-7 Concrete Drainage Inlet Structure, 8" Wall Thickness.....	5,872.26	
33 42 31 00-0264 EA 10' Deep Type OL-7 Concrete Drainage Inlet Structure, 8" Wall Thickness.....	6,719.24	
33 42 31 00-0265 EA 12' Deep Type OL-7 Concrete Drainage Inlet Structure, 8" Wall Thickness.....	7,500.52	
33 42 31 00-0266 EA 14' Deep Type OL-7 Concrete Drainage Inlet Structure, 8" Wall Thickness.....	8,216.94	
33 42 31 00-0267 EA 16' Deep Type OL-7 Concrete Drainage Inlet Structure, 8" Wall Thickness.....	8,912.48	



	Utilities	33
	Stormwater Utilities	33 40
	Stormwater Conveyance	33 42

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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 31 00-0268 EA 18' Deep Type OL-7 Concrete Drainage Inlet Structure, 8" Wall Thickness	9,552.39	
33 42 31 00-0269 EA 20' Deep Type OL-7 Concrete Drainage Inlet Structure, 8" Wall Thickness	10,136.66	
33 42 31 00-0270 Type OL-10 Concrete Drainage Inlet Structure (33 42 31 00-0241)		
33 42 31 00-0271 EA 3' Deep Type OL-10 Concrete Drainage Inlet Structure, 6" Wall Thickness	3,822.36	
33 42 31 00-0272 EA 4' Deep Type OL-10 Concrete Drainage Inlet Structure, 6" Wall Thickness	4,144.28	
33 42 31 00-0273 EA 5' Deep Type OL-10 Concrete Drainage Inlet Structure, 6" Wall Thickness	4,439.84	
33 42 31 00-0274 EA 6' Deep Type OL-10 Concrete Drainage Inlet Structure, 6" Wall Thickness	4,710.69	
33 42 31 00-0275 EA 7' Deep Type OL-10 Concrete Drainage Inlet Structure, 6" Wall Thickness	4,955.20	
33 42 31 00-0276 EA 8' Deep Type OL-10 Concrete Drainage Inlet Structure, 6" Wall Thickness	5,174.17	
33 42 31 00-0277 EA 8' Deep Type OL-10 Concrete Drainage Inlet Structure, 8" Wall Thickness	6,529.30	
33 42 31 00-0278 EA 10' Deep Type OL-10 Concrete Drainage Inlet Structure, 8" Wall Thickness	7,355.45	
33 42 31 00-0279 EA 12' Deep Type OL-10 Concrete Drainage Inlet Structure, 8" Wall Thickness	8,117.54	
33 42 31 00-0280 EA 14' Deep Type OL-10 Concrete Drainage Inlet Structure, 8" Wall Thickness	8,813.95	
33 42 31 00-0281 EA 16' Deep Type OL-10 Concrete Drainage Inlet Structure, 8" Wall Thickness	9,491.54	
33 42 31 00-0282 EA 18' Deep Type OL-10 Concrete Drainage Inlet Structure, 8" Wall Thickness	10,114.31	
33 42 31 00-0283 EA 20' Deep Type OL-10 Concrete Drainage Inlet Structure, 8" Wall Thickness	10,680.60	
33 42 31 00-0284 Type OL-14 Concrete Drainage Inlet Structure (33 42 31 00-0241)		
33 42 31 00-0285 EA 3' Deep Type OL-14 Concrete Drainage Inlet Structure, 6" Wall Thickness	4,893.90	
33 42 31 00-0286 EA 4' Deep Type OL-14 Concrete Drainage Inlet Structure, 6" Wall Thickness	5,184.45	
33 42 31 00-0287 EA 5' Deep Type OL-14 Concrete Drainage Inlet Structure, 6" Wall Thickness	5,449.45	
33 42 31 00-0288 EA 6' Deep Type OL-14 Concrete Drainage Inlet Structure, 6" Wall Thickness	5,688.93	
33 42 31 00-0289 EA 7' Deep Type OL-14 Concrete Drainage Inlet Structure, 6" Wall Thickness	5,902.87	
33 42 31 00-0290 EA 8' Deep Type OL-14 Concrete Drainage Inlet Structure, 6" Wall Thickness	6,091.28	
33 42 31 00-0291 EA 8' Deep Type OL-14 Concrete Drainage Inlet Structure, 8" Wall Thickness	7,460.11	
33 42 31 00-0292 EA 10' Deep Type OL-14 Concrete Drainage Inlet Structure, 8" Wall Thickness	8,257.84	
33 42 31 00-0293 EA 12' Deep Type OL-14 Concrete Drainage Inlet Structure, 8" Wall Thickness	8,990.70	
33 42 31 00-0294 EA 14' Deep Type OL-14 Concrete Drainage Inlet Structure, 8" Wall Thickness	9,658.71	
33 42 31 00-0295 EA 16' Deep Type OL-14 Concrete Drainage Inlet Structure, 8" Wall Thickness	10,312.74	
33 42 31 00-0296 EA 18' Deep Type OL-14 Concrete Drainage Inlet Structure, 8" Wall Thickness	10,910.34	
33 42 31 00-0297 EA 20' Deep Type OL-14 Concrete Drainage Inlet Structure, 8" Wall Thickness	11,452.29	
33 42 31 00-0298 Type OL-21 Concrete Drainage Inlet Structure (33 42 31 00-0241)		
33 42 31 00-0299 EA 3' Deep Type OL-21 Concrete Drainage Inlet Structure, 6" Wall Thickness	7,068.96	
33 42 31 00-0300 EA 4' Deep Type OL-21 Concrete Drainage Inlet Structure, 6" Wall Thickness	7,296.99	
33 42 31 00-0301 EA 5' Deep Type OL-21 Concrete Drainage Inlet Structure, 6" Wall Thickness	7,499.45	
33 42 31 00-0302 EA 6' Deep Type OL-21 Concrete Drainage Inlet Structure, 6" Wall Thickness	7,676.40	
33 42 31 00-0303 EA 7' Deep Type OL-21 Concrete Drainage Inlet Structure, 6" Wall Thickness	7,827.00	
33 42 31 00-0304 EA 8' Deep Type OL-21 Concrete Drainage Inlet Structure, 6" Wall Thickness	7,952.88	
33 42 31 00-0305 EA 8' Deep Type OL-21 Concrete Drainage Inlet Structure, 8" Wall Thickness	9,260.65	
33 42 31 00-0306 EA 10' Deep Type OL-21 Concrete Drainage Inlet Structure, 8" Wall Thickness	10,022.45	
33 42 31 00-0307 EA 12' Deep Type OL-21 Concrete Drainage Inlet Structure, 8" Wall Thickness	10,699.39	
33 42 31 00-0308 EA 14' Deep Type OL-21 Concrete Drainage Inlet Structure, 8" Wall Thickness	11,311.46	
33 42 31 00-0309 EA 16' Deep Type OL-21 Concrete Drainage Inlet Structure, 8" Wall Thickness	11,917.50	
33 42 31 00-0310 EA 18' Deep Type OL-21 Concrete Drainage Inlet Structure, 8" Wall Thickness	12,467.08	
33 42 31 00-0311 EA 20' Deep Type OL-21 Concrete Drainage Inlet Structure, 8" Wall Thickness	12,961.01	
33 42 31 00-0312 Type GOL-7 Concrete Drainage Inlet Structure (33 42 31 00-0241)		
33 42 31 00-0313 EA 3' Deep Type GOL-7 Concrete Drainage Inlet Structure, 6" Wall Thickness	3,726.40	
33 42 31 00-0314 EA 4' Deep Type GOL-7 Concrete Drainage Inlet Structure, 6" Wall Thickness	4,105.44	
33 42 31 00-0315 EA 5' Deep Type GOL-7 Concrete Drainage Inlet Structure, 6" Wall Thickness	4,455.24	
33 42 31 00-0316 EA 6' Deep Type GOL-7 Concrete Drainage Inlet Structure, 6" Wall Thickness	4,775.79	
33 42 31 00-0317 EA 7' Deep Type GOL-7 Concrete Drainage Inlet Structure, 6" Wall Thickness	5,067.89	
33 42 31 00-0318 EA 8' Deep Type GOL-7 Concrete Drainage Inlet Structure, 6" Wall Thickness	5,331.58	
33 42 31 00-0319 EA 8' Deep Type GOL-7 Concrete Drainage Inlet Structure, 8" Wall Thickness	6,789.38	
33 42 31 00-0320 EA 10' Deep Type GOL-7 Concrete Drainage Inlet Structure, 8" Wall Thickness	7,732.80	
33 42 31 00-0321 EA 12' Deep Type GOL-7 Concrete Drainage Inlet Structure, 8" Wall Thickness	8,603.30	
33 42 31 00-0322 EA 14' Deep Type GOL-7 Concrete Drainage Inlet Structure, 8" Wall Thickness	9,400.08	
33 42 31 00-0323 EA 16' Deep Type GOL-7 Concrete Drainage Inlet Structure, 8" Wall Thickness	10,174.98	
33 42 31 00-0324 EA 18' Deep Type GOL-7 Concrete Drainage Inlet Structure, 8" Wall Thickness	10,887.33	
33 42 31 00-0325 EA 20' Deep Type GOL-7 Concrete Drainage Inlet Structure, 8" Wall Thickness	11,536.29	
33 42 31 00-0326 Type GOL-10 Concrete Drainage Inlet Structure (33 42 31 00-0241)		
33 42 31 00-0327 EA 3' Deep Type GOL-10 Concrete Drainage Inlet Structure, 6" Wall Thickness	4,542.06	
33 42 31 00-0328 EA 4' Deep Type GOL-10 Concrete Drainage Inlet Structure, 6" Wall Thickness	4,896.93	
33 42 31 00-0329 EA 5' Deep Type GOL-10 Concrete Drainage Inlet Structure, 6" Wall Thickness	5,223.39	
33 42 31 00-0330 EA 6' Deep Type GOL-10 Concrete Drainage Inlet Structure, 6" Wall Thickness	5,521.40	
33 42 31 00-0331 EA 7' Deep Type GOL-10 Concrete Drainage Inlet Structure, 6" Wall Thickness	5,790.16	
33 42 31 00-0332 EA 8' Deep Type GOL-10 Concrete Drainage Inlet Structure, 6" Wall Thickness	6,029.68	
33 42 31 00-0333 EA 8' Deep Type GOL-10 Concrete Drainage Inlet Structure, 8" Wall Thickness	7,487.48	
33 42 31 00-0334 EA 10' Deep Type GOL-10 Concrete Drainage Inlet Structure, 8" Wall Thickness	8,409.17	
33 42 31 00-0335 EA 12' Deep Type GOL-10 Concrete Drainage Inlet Structure, 8" Wall Thickness	9,257.97	
33 42 31 00-0336 EA 14' Deep Type GOL-10 Concrete Drainage Inlet Structure, 8" Wall Thickness	10,033.84	
33 42 31 00-0337 EA 16' Deep Type GOL-10 Concrete Drainage Inlet Structure, 8" Wall Thickness	10,790.08	

33 Utilities**33 40 Stormwater Utilities****33 42 Stormwater Conveyance**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	33 42 31 00-0338	EA	18' Deep Type GOL-10 Concrete Drainage Inlet Structure, 8" Wall Thickness	11,483.74	
	33 42 31 00-0339	EA	20' Deep Type GOL-10 Concrete Drainage Inlet Structure, 8" Wall Thickness	12,114.83	
33 42 31 00-0340	Type G-1 Concrete Drainage Inlet Structure (33 42 31 00-0241)				
	33 42 31 00-0341	EA	3' Deep Type G-1 Concrete Drainage Inlet Structure, 6" Wall Thickness	1,519.34	
	33 42 31 00-0342	EA	4' Deep Type G-1 Concrete Drainage Inlet Structure, 6" Wall Thickness	1,817.59	
	33 42 31 00-0343	EA	5' Deep Type G-1 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,094.57	
	33 42 31 00-0344	EA	6' Deep Type G-1 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,351.93	
	33 42 31 00-0345	EA	7' Deep Type G-1 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,589.64	
	33 42 31 00-0346	EA	8' Deep Type G-1 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,806.10	
33 42 31 00-0347	Type G-2 Concrete Drainage Inlet Structure (33 42 31 00-0241)				
	33 42 31 00-0348	EA	3' Deep Type G-2 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,095.10	
	33 42 31 00-0349	EA	4' Deep Type G-2 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,430.62	
	33 42 31 00-0350	EA	5' Deep Type G-2 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,742.80	
	33 42 31 00-0351	EA	6' Deep Type G-2 Concrete Drainage Inlet Structure, 6" Wall Thickness	3,031.62	
	33 42 31 00-0352	EA	7' Deep Type G-2 Concrete Drainage Inlet Structure, 6" Wall Thickness	3,297.11	
	33 42 31 00-0353	EA	8' Deep Type G-2 Concrete Drainage Inlet Structure, 6" Wall Thickness	3,538.42	
	33 42 31 00-0354	EA	8' Deep Type G-2 Concrete Drainage Inlet Structure, 8" Wall Thickness	4,790.89	
	33 42 31 00-0355	EA	10' Deep Type G-2 Concrete Drainage Inlet Structure, 8" Wall Thickness	5,590.84	
	33 42 31 00-0356	EA	12' Deep Type G-2 Concrete Drainage Inlet Structure, 8" Wall Thickness	6,331.12	
	33 42 31 00-0357	EA	14' Deep Type G-2 Concrete Drainage Inlet Structure, 8" Wall Thickness	7,011.73	
	33 42 31 00-0358	EA	16' Deep Type G-2 Concrete Drainage Inlet Structure, 8" Wall Thickness	7,669.75	
	33 42 31 00-0359	EA	18' Deep Type G-2 Concrete Drainage Inlet Structure, 8" Wall Thickness	8,276.61	
	33 42 31 00-0360	EA	20' Deep Type G-2 Concrete Drainage Inlet Structure, 8" Wall Thickness	8,831.50	
33 42 31 00-0361	Type G-3 Concrete Drainage Inlet Structure (33 42 31 00-0241)				
	33 42 31 00-0362	EA	3' Deep Type G-3 Concrete Drainage Inlet Structure, 6" Wall Thickness	1,647.30	
	33 42 31 00-0363	EA	4' Deep Type G-3 Concrete Drainage Inlet Structure, 6" Wall Thickness	1,941.52	
	33 42 31 00-0364	EA	5' Deep Type G-3 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,215.30	
	33 42 31 00-0365	EA	6' Deep Type G-3 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,469.45	
	33 42 31 00-0366	EA	7' Deep Type G-3 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,702.34	
	33 42 31 00-0367	EA	8' Deep Type G-3 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,915.60	
33 42 31 00-0368	Type G-4_24 Concrete Drainage Inlet Structure (33 42 31 00-0241)				
	33 42 31 00-0369	EA	3' Deep Type G-4_24 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,031.12	
	33 42 31 00-0370	EA	4' Deep Type G-4_24 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,368.67	
	33 42 31 00-0371	EA	5' Deep Type G-4_24 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,682.84	
	33 42 31 00-0372	EA	6' Deep Type G-4_24 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,972.86	
	33 42 31 00-0373	EA	7' Deep Type G-4_24 Concrete Drainage Inlet Structure, 6" Wall Thickness	3,240.35	
	33 42 31 00-0374	EA	8' Deep Type G-4_24 Concrete Drainage Inlet Structure, 6" Wall Thickness	3,483.66	
	33 42 31 00-0375	EA	8' Deep Type G-4_24 Concrete Drainage Inlet Structure, 8" Wall Thickness	4,763.52	
	33 42 31 00-0376	EA	10' Deep Type G-4_24 Concrete Drainage Inlet Structure, 8" Wall Thickness	5,564.87	
	33 42 31 00-0377	EA	12' Deep Type G-4_24 Concrete Drainage Inlet Structure, 8" Wall Thickness	6,305.76	
	33 42 31 00-0378	EA	14' Deep Type G-4_24 Concrete Drainage Inlet Structure, 8" Wall Thickness	6,986.97	
	33 42 31 00-0379	EA	16' Deep Type G-4_24 Concrete Drainage Inlet Structure, 8" Wall Thickness	7,645.46	
	33 42 31 00-0380	EA	18' Deep Type G-4_24 Concrete Drainage Inlet Structure, 8" Wall Thickness	8,252.79	
	33 42 31 00-0381	EA	20' Deep Type G-4_24 Concrete Drainage Inlet Structure, 8" Wall Thickness	8,808.96	
33 42 31 00-0382	Type G-4_18 Concrete Drainage Inlet Structure (33 42 31 00-0241)				
	33 42 31 00-0383	EA	3' Deep Type G-4_18 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,095.10	
	33 42 31 00-0384	EA	4' Deep Type G-4_18 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,430.62	
	33 42 31 00-0385	EA	5' Deep Type G-4_18 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,742.80	
	33 42 31 00-0386	EA	6' Deep Type G-4_18 Concrete Drainage Inlet Structure, 6" Wall Thickness	3,031.62	
	33 42 31 00-0387	EA	7' Deep Type G-4_18 Concrete Drainage Inlet Structure, 6" Wall Thickness	3,297.11	
	33 42 31 00-0388	EA	8' Deep Type G-4_18 Concrete Drainage Inlet Structure, 6" Wall Thickness	3,538.42	
	33 42 31 00-0389	EA	8' Deep Type G-4_18 Concrete Drainage Inlet Structure, 8" Wall Thickness	4,790.89	
	33 42 31 00-0390	EA	10' Deep Type G-4_18 Concrete Drainage Inlet Structure, 8" Wall Thickness	5,590.84	
	33 42 31 00-0391	EA	12' Deep Type G-4_18 Concrete Drainage Inlet Structure, 8" Wall Thickness	6,331.12	
	33 42 31 00-0392	EA	14' Deep Type G-4_18 Concrete Drainage Inlet Structure, 8" Wall Thickness	7,011.73	
	33 42 31 00-0393	EA	16' Deep Type G-4_18 Concrete Drainage Inlet Structure, 8" Wall Thickness	7,669.75	
	33 42 31 00-0394	EA	18' Deep Type G-4_18 Concrete Drainage Inlet Structure, 8" Wall Thickness	8,276.61	
	33 42 31 00-0395	EA	20' Deep Type G-4_18 Concrete Drainage Inlet Structure, 8" Wall Thickness	8,831.50	
33 42 31 00-0396	Type G-5 Concrete Drainage Inlet Structure (33 42 31 00-0241)				
	33 42 31 00-0397	EA	3' Deep Type G-5 Concrete Drainage Inlet Structure, 6" Wall Thickness	1,631.30	
	33 42 31 00-0398	EA	4' Deep Type G-5 Concrete Drainage Inlet Structure, 6" Wall Thickness	1,925.82	
	33 42 31 00-0399	EA	5' Deep Type G-5 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,200.72	
	33 42 31 00-0400	EA	6' Deep Type G-5 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,454.35	
	33 42 31 00-0401	EA	7' Deep Type G-5 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,688.35	
	33 42 31 00-0402	EA	8' Deep Type G-5 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,901.91	
33 42 31 00-0403	Type G-6 Concrete Drainage Inlet Structure (33 42 31 00-0241)				



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	Stormwater Utilities	33 40	CS
	Stormwater Conveyance	33 42	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 31 00-0404 EA 3' Deep Type G-6 Concrete Drainage Inlet Structure, 6" Wall Thickness	1,663.29	
33 42 31 00-0405 EA 4' Deep Type G-6 Concrete Drainage Inlet Structure, 6" Wall Thickness	1,957.21	
33 42 31 00-0406 EA 5' Deep Type G-6 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,230.70	
33 42 31 00-0407 EA 6' Deep Type G-6 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,483.74	
33 42 31 00-0408 EA 7' Deep Type G-6 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,716.33	
33 42 31 00-0409 EA 8' Deep Type G-6 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,929.29	
33 42 31 00-0410 Type GT1 Concrete Drainage Inlet Structure (33 42 31 00-0241)		
33 42 31 00-0411 EA 3' Deep Type GT1 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,782.80	
33 42 31 00-0412 EA 4' Deep Type GT1 Concrete Drainage Inlet Structure, 6" Wall Thickness	3,242.93	
33 42 31 00-0413 EA 5' Deep Type GT1 Concrete Drainage Inlet Structure, 6" Wall Thickness	3,703.88	
33 42 31 00-0414 EA 6' Deep Type GT1 Concrete Drainage Inlet Structure, 6" Wall Thickness	4,067.52	
33 42 31 00-0415 EA 7' Deep Type GT1 Concrete Drainage Inlet Structure, 6" Wall Thickness	4,431.18	
33 42 31 00-0416 EA 8' Deep Type GT1 Concrete Drainage Inlet Structure, 6" Wall Thickness	4,763.52	
33 42 31 00-0417 Type GT2 Concrete Drainage Inlet Structure (33 42 31 00-0241)		
33 42 31 00-0418 EA 3' Deep Type GT2 Concrete Drainage Inlet Structure, 6" Wall Thickness	3,374.55	
33 42 31 00-0419 EA 4' Deep Type GT2 Concrete Drainage Inlet Structure, 6" Wall Thickness	3,875.60	
33 42 31 00-0420 EA 5' Deep Type GT2 Concrete Drainage Inlet Structure, 6" Wall Thickness	4,340.67	
33 42 31 00-0421 EA 6' Deep Type GT2 Concrete Drainage Inlet Structure, 6" Wall Thickness	4,770.56	
33 42 31 00-0422 EA 7' Deep Type GT2 Concrete Drainage Inlet Structure, 6" Wall Thickness	5,164.47	
33 42 31 00-0423 EA 8' Deep Type GT2 Concrete Drainage Inlet Structure, 6" Wall Thickness	5,523.21	
33 42 31 00-0424 EA 8' Deep Type GT2 Concrete Drainage Inlet Structure, 8" Wall Thickness	7,391.66	
33 42 31 00-0425 EA 10' Deep Type GT2 Concrete Drainage Inlet Structure, 8" Wall Thickness	8,571.08	
33 42 31 00-0426 EA 12' Deep Type GT2 Concrete Drainage Inlet Structure, 8" Wall Thickness	9,661.25	
33 42 31 00-0427 EA 14' Deep Type GT2 Concrete Drainage Inlet Structure, 8" Wall Thickness	10,662.99	
33 42 31 00-0428 EA 16' Deep Type GT2 Concrete Drainage Inlet Structure, 8" Wall Thickness	11,632.91	
33 42 31 00-0429 EA 18' Deep Type GT2 Concrete Drainage Inlet Structure, 8" Wall Thickness	12,526.23	
33 42 31 00-0430 EA 20' Deep Type GT2 Concrete Drainage Inlet Structure, 8" Wall Thickness	13,342.92	
33 42 31 00-0431 Type GT3 Concrete Drainage Inlet Structure (33 42 31 00-0241)		
33 42 31 00-0432 EA 3' Deep Type GT3 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,766.81	
33 42 31 00-0433 EA 4' Deep Type GT3 Concrete Drainage Inlet Structure, 6" Wall Thickness	3,227.23	
33 42 31 00-0434 EA 5' Deep Type GT3 Concrete Drainage Inlet Structure, 6" Wall Thickness	3,656.30	
33 42 31 00-0435 EA 6' Deep Type GT3 Concrete Drainage Inlet Structure, 6" Wall Thickness	4,053.23	
33 42 31 00-0436 EA 7' Deep Type GT3 Concrete Drainage Inlet Structure, 6" Wall Thickness	4,417.20	
33 42 31 00-0437 EA 8' Deep Type GT3 Concrete Drainage Inlet Structure, 6" Wall Thickness	4,749.82	
33 42 31 00-0438 Type GT4 Concrete Drainage Inlet Structure (33 42 31 00-0241)		
33 42 31 00-0439 EA 3' Deep Type GT4 Concrete Drainage Inlet Structure, 6" Wall Thickness	3,486.51	
33 42 31 00-0440 EA 4' Deep Type GT4 Concrete Drainage Inlet Structure, 6" Wall Thickness	3,983.85	
33 42 31 00-0441 EA 5' Deep Type GT4 Concrete Drainage Inlet Structure, 6" Wall Thickness	4,446.01	
33 42 31 00-0442 EA 6' Deep Type GT4 Concrete Drainage Inlet Structure, 6" Wall Thickness	4,872.17	
33 42 31 00-0443 EA 7' Deep Type GT4 Concrete Drainage Inlet Structure, 6" Wall Thickness	5,263.19	
33 42 31 00-0444 EA 8' Deep Type GT4 Concrete Drainage Inlet Structure, 6" Wall Thickness	5,619.03	
33 42 31 00-0445 EA 8' Deep Type GT4 Concrete Drainage Inlet Structure, 8" Wall Thickness	7,405.36	
33 42 31 00-0446 EA 10' Deep Type GT4 Concrete Drainage Inlet Structure, 8" Wall Thickness	8,584.47	
33 42 31 00-0447 EA 12' Deep Type GT4 Concrete Drainage Inlet Structure, 8" Wall Thickness	9,674.34	
33 42 31 00-0448 EA 14' Deep Type GT4 Concrete Drainage Inlet Structure, 8" Wall Thickness	10,674.96	
33 42 31 00-0449 EA 16' Deep Type GT4 Concrete Drainage Inlet Structure, 8" Wall Thickness	11,644.65	
33 42 31 00-0450 EA 18' Deep Type GT4 Concrete Drainage Inlet Structure, 8" Wall Thickness	12,537.72	
33 42 31 00-0451 EA 20' Deep Type GT4 Concrete Drainage Inlet Structure, 8" Wall Thickness	13,354.18	
33 42 31 00-0452 Type GO Concrete Drainage Inlet Structure (33 42 31 00-0241)		
33 42 31 00-0453 EA 3' Deep Type GO Concrete Drainage Inlet Structure, 6" Wall Thickness	1,983.14	
33 42 31 00-0454 EA 4' Deep Type GO Concrete Drainage Inlet Structure, 6" Wall Thickness	2,306.69	
33 42 31 00-0455 EA 5' Deep Type GO Concrete Drainage Inlet Structure, 6" Wall Thickness	2,607.48	
33 42 31 00-0456 EA 6' Deep Type GO Concrete Drainage Inlet Structure, 6" Wall Thickness	2,885.52	
33 42 31 00-0457 EA 7' Deep Type GO Concrete Drainage Inlet Structure, 6" Wall Thickness	3,140.81	
33 42 31 00-0458 EA 8' Deep Type GO Concrete Drainage Inlet Structure, 6" Wall Thickness	3,374.16	
33 42 31 00-0459 EA 8' Deep Type GO Concrete Drainage Inlet Structure, 8" Wall Thickness	4,640.31	
33 42 31 00-0460 EA 10' Deep Type GO Concrete Drainage Inlet Structure, 8" Wall Thickness	5,416.37	
33 42 31 00-0461 EA 12' Deep Type GO Concrete Drainage Inlet Structure, 8" Wall Thickness	6,133.24	
33 42 31 00-0462 EA 14' Deep Type GO Concrete Drainage Inlet Structure, 8" Wall Thickness	6,792.59	
33 42 31 00-0463 EA 16' Deep Type GO Concrete Drainage Inlet Structure, 8" Wall Thickness	7,431.09	
33 42 31 00-0464 EA 18' Deep Type GO Concrete Drainage Inlet Structure, 8" Wall Thickness	8,018.66	
33 42 31 00-0465 EA 20' Deep Type GO Concrete Drainage Inlet Structure, 8" Wall Thickness	8,556.94	
33 42 31 00-0466 Type GDO Concrete Drainage Inlet Structure (33 42 31 00-0241)		
33 42 31 00-0467 EA 3' Deep Type GDO Concrete Drainage Inlet Structure, 6" Wall Thickness	2,590.88	
33 42 31 00-0468 EA 4' Deep Type GDO Concrete Drainage Inlet Structure, 6" Wall Thickness	3,016.22	
33 42 31 00-0469 EA 5' Deep Type GDO Concrete Drainage Inlet Structure, 6" Wall Thickness	3,411.77	
33 42 31 00-0470 EA 6' Deep Type GDO Concrete Drainage Inlet Structure, 6" Wall Thickness	3,778.33	
33 42 31 00-0471 EA 7' Deep Type GDO Concrete Drainage Inlet Structure, 6" Wall Thickness	4,114.31	

33 Utilities**33 40 Stormwater Utilities****33 42 Stormwater Conveyance**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 31 00-0472 EA 8' Deep Type GDO Concrete Drainage Inlet Structure, 6" Wall Thickness	4,421.30	
33 42 31 00-0473 EA 8' Deep Type GDO Concrete Drainage Inlet Structure, 8" Wall Thickness	5,968.08	
33 42 31 00-0474 EA 10' Deep Type GDO Concrete Drainage Inlet Structure, 8" Wall Thickness	6,968.37	
33 42 31 00-0475 EA 12' Deep Type GDO Concrete Drainage Inlet Structure, 8" Wall Thickness	7,893.48	
33 42 31 00-0476 EA 14' Deep Type GDO Concrete Drainage Inlet Structure, 8" Wall Thickness	8,744.26	
33 42 31 00-0477 EA 16' Deep Type GDO Concrete Drainage Inlet Structure, 8" Wall Thickness	9,567.11	
33 42 31 00-0478 EA 18' Deep Type GDO Concrete Drainage Inlet Structure, 8" Wall Thickness	10,325.42	
33 42 31 00-0479 EA 20' Deep Type GDO Concrete Drainage Inlet Structure, 8" Wall Thickness	11,019.22	
33 42 33 Stormwater Curbside Drains and Inlets (33 42)		
33 42 33 00-0001 Curb Inlet Frames And Covers (33 42 33)		
33 42 33 00-0002 Cast Iron Curb Inlet Frames And Covers (33 42 33 00-0001)		
33 42 33 00-0003 EA 20" x 22" Cast Iron Curb Inlet Frame And Cover	762.54	95.39
33 42 33 00-0004 EA 22" x 24" Cast Iron Curb Inlet Frame And Cover	817.12	110.88
33 42 33 00-0005 EA 24" x 24" Cast Iron Curb Inlet Frame And Cover	846.17	110.88
33 42 33 00-0006 EA 27" x 27" Cast Iron Curb Inlet Frame And Cover	927.06	130.45
33 42 33 00-0007 EA 36" x 24" Cast Iron Curb Inlet Frame And Cover	921.90	139.42
33 42 36 Stormwater Trench Drains (33 42)		
33 42 36 00-0001 Modular Trench Drains (33 42 36) See CSI section 03 31 13 00-0011 for concrete.		
33 42 36 00-0002 Modular Trench Drains (33 42 36 00-0001) Note: Excludes grates. See CSI section 33 42 36 00-0096 for grates.		
33 42 36 00-0003 6" Wide, Modular Trench Drains (33 42 36 00-0002)		
33 42 36 00-0004 6" Wide, High Density Polyethylene, Modular Trench Drains (33 42 36 00-0003)		
33 42 36 00-0005 6" Wide, High Density Polyethylene, Modular Trench Drains (33 42 36 00-0004)		
33 42 36 00-0006 LF 6" Wide, High Density Polyethylene, Modular Trench Drain	77.30	13.04
For Extra Heavy Duty Frame Assembly With Anchor Studs And Grate Lockdown, Add	29.64	
For Galvanized Extra Heavy Duty Frame Assembly With Anchor Studs And Grate Lockdown, Add	59.29	
For Stainless Steel Extra Heavy Duty Frame Assembly With Anchor Studs And Grate Lockdown, Add	94.86	
For Type 304 Stainless Steel Top Veneer Frame, Add	23.72	
For Aluminum Veneer Bronze Anodized Frame, Add	11.86	
33 42 36 00-0007 Outlet Adapters For 6" Wide, High Density Polyethylene, Modular Trench Drains (33 42 36 00-0004)		
33 42 36 00-0008 EA Closed End Cap For 6" Wide, High Density Polyethylene, Modular Trench Drains	37.65	
33 42 36 00-0009 EA No-Hub End Outlet For 6" Wide, High Density Polyethylene, Modular Trench Drains	45.80	
33 42 36 00-0010 EA No-Hub Bottom Outlet For 6" Wide, High Density Polyethylene, Modular Trench Drains	45.80	
33 42 36 00-0011 Other Fittings For 6" Wide, High Density Polyethylene, Modular Trench Drains (33 42 36 00-0004)		
33 42 36 00-0012 EA Bottom Dome Strainer For 6" Wide, High Density Polyethylene, Modular Trench Drains	60.85	
33 42 36 00-0013 EA Joint Connector For 6" Wide, High Density Polyethylene, Modular Trench Drains	60.85	
33 42 36 00-0014 EA 90 Degree, 45 Degree, Tee Or Side Outlet Charge For 6" Wide, High Density Polyethylene, Modular Trench Drains	277.92	
33 42 36 00-0015 EA Cross For 6" Wide, High Density Polyethylene, Modular Trench Drains	515.08	
33 42 36 00-0016 EA Cutting Charge For 6" Wide, High Density Polyethylene, Modular Trench Drains	59.29	
33 42 36 00-0017 6" Wide, Fiber Reinforced Polyester, Modular Trench Drains (33 42 36 00-0003)		
33 42 36 00-0018 6" Wide, Fiber Reinforced Polyester, Modular Trench Drains (33 42 36 00-0017)		
33 42 36 00-0019 LF 6" Wide, Fiber Reinforced Polyester, Modular Trench Drain	105.16	13.04
For Black Acid Resistant Coated Frame, Add	22.53	
For Galvanized Top Frame Assembly, Add	22.53	
For Type 304 Stainless Steel Top Frame Assembly, Add	83.01	
33 42 36 00-0020 Outlet Adapters For 6" Wide, Fiber Reinforced Polyester, Modular Trench Drains (33 42 36 00-0017)		
33 42 36 00-0021 EA Closed End Cap For 6" Wide, Fiber Reinforced Polyester, Modular Trench Drains	40.03	
33 42 36 00-0022 EA No-Hub End Outlet For 6" Wide, Fiber Reinforced Polyester, Modular Trench Drains	48.18	
33 42 36 00-0023 EA No-Hub Bottom Outlet For 6" Wide, Fiber Reinforced Polyester, Modular Trench Drains	48.18	
33 42 36 00-0024 Other Fittings For 6" Wide, Fiber Reinforced Polyester, Modular Trench Drains (33 42 36 00-0017)		
33 42 36 00-0025 EA Bottom Dome Strainer For 6" Wide, Fiber Reinforced Polyester, Modular Trench Drains	60.85	
33 42 36 00-0026 EA Joint Connector For 6" Wide, Fiber Reinforced Polyester, Modular Trench Drains	60.85	
33 42 36 00-0027 EA 90 Degree, 45 Degree, Tee Or Side Outlet For 6" Wide, Fiber Reinforced Polyester, Modular Trench Drains	277.92	
33 42 36 00-0028 EA Cross For 6" Wide, Fiber Reinforced Polyester, Modular Trench Drains	515.08	



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Stormwater Utilities	33 40	
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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 36 00-0029 EA Cutting Charge For 6" Wide, Fiber Reinforced Polyester, Modular Trench Drains	59.29	
33 42 36 00-0030 6" Wide, Vinylester Fiberglass, Modular Trench Drains (33 42 36 00-0003)		
33 42 36 00-0031 6" Wide, Vinylester Fiberglass, Modular Trench Drains (33 42 36 00-0003)		
33 42 36 00-0032 LF 6" Wide, Vinylester Fiberglass, Modular Trench Drain.....	131.25	13.04
For Black Acid Resistant Coated Frame, Add	22.53	
For Galvanized Top Frame Assembly, Add	22.53	
For Type 304 Stainless Steel Top Frame Assembly, Add	83.01	
33 42 36 00-0033 Outlet Adapters For 6" Wide, Vinylester Fiberglass, Modular Trench Drains (33 42 36 00-0030)		
33 42 36 00-0034 EA Closed End Cap For 6" Wide, Vinylester Fiberglass, Modular Trench Drains	59.00	
33 42 36 00-0035 EA No-Hub End Outlet For 6" Wide, Vinylester Fiberglass, Modular Trench Drains	67.15	
33 42 36 00-0036 EA No-Hub Bottom Outlet For 6" Wide, Vinylester Fiberglass, Modular Trench Drains	67.15	
33 42 36 00-0037 Other Fittings For 6" Wide, Vinylester Fiberglass, Modular Trench Drains (33 42 36 00-0030)		
33 42 36 00-0038 EA Bottom Dome Strainer For 6" Wide, Vinylester Fiberglass, Modular Trench Drains	60.85	
33 42 36 00-0039 EA Joint Connector For 6" Wide, Vinylester Fiberglass, Modular Trench Drains	60.85	
33 42 36 00-0040 EA 90 Degree, 45 Degree, Tee Or Side Outlet For 6" Wide, Vinylester Fiberglass, Modular Trench Drains	277.92	
33 42 36 00-0041 EA Cross For 6" Wide, Vinylester Fiberglass, Modular Trench Drains	515.08	
33 42 36 00-0042 EA Cutting Charge For 6" Wide, Vinylester Fiberglass, Modular Trench Drains	59.29	
33 42 36 00-0043 12" Wide, Modular Trench Drains (33 42 36 00-0002)		
33 42 36 00-0044 12" Wide, High Density Polyethylene, Modular Trench Drains (33 42 36 00-0043)		
33 42 36 00-0045 12" Wide, High Density Polyethylene, Modular Trench Drains (33 42 36 00-0044)		
33 42 36 00-0046 LF 12" Wide, High Density Polyethylene, Modular Trench Drain	136.67	17.94
For Acid Resistant Coated Top Frame, Add	30.83	
For Galvanized Welded Frame Assembly, Add	32.31	
For Type 304 Stainless Steel Top Frame, Add	184.98	
33 42 36 00-0047 Outlet Adapters For 12" Wide, High Density Polyethylene, Modular Trench Drains (33 42 36 00-0044)		
33 42 36 00-0048 EA End Cap For 12" Wide, High Density Polyethylene, Modular Trench Drains	70.36	
33 42 36 00-0049 EA No-Hub End Outlet For 12" Wide, High Density Polyethylene, Modular Trench Drains	81.23	
33 42 36 00-0050 EA No-Hub Bottom Outlet For 12" Wide, High Density Polyethylene, Modular Trench Drains	81.23	
33 42 36 00-0051 Other Fittings For 12" Wide, High Density Polyethylene, Modular Trench Drains (33 42 36 00-0044)		
33 42 36 00-0052 EA Bottom Dome Strainer For 12" Wide, High Density Polyethylene, Modular Trench Drains.....	105.66	
33 42 36 00-0053 EA Joint Connector For 12" Wide, High Density Polyethylene, Modular Trench Drains.....	135.30	
33 42 36 00-0054 EA 90 Degree, 45 Degree, Tee Or Side Outlet For 12" Wide, High Density Polyethylene, Modular Trench Drains.....	537.03	
33 42 36 00-0055 EA Cross For 12" Wide, High Density Polyethylene, Modular Trench Drains.....	1,011.35	
33 42 36 00-0056 EA Cutting Charges For 12" Wide, High Density Polyethylene, Modular Trench Drains	118.58	
33 42 36 00-0057 12" Wide, Fiber Reinforced Polyester, Modular Trench Drains (33 42 36 00-0043)		
33 42 36 00-0058 12" Wide, Fiber Reinforced Polyester, Modular Trench Drains (33 42 36 00-0057)		
33 42 36 00-0059 LF 12" Wide, Fiber Reinforced Polyester, Modular Trench Drain	166.32	17.94
For Acid Resistant Coated Top Frame, Add	30.83	
For Galvanized Welded Frame Assembly, Add	32.31	
For Type 304 Stainless Steel Top Frame, Add	184.98	
33 42 36 00-0060 Outlet Adapters For 12" Wide, Fiber Reinforced Polyester, Modular Trench Drains (33 42 36 00-0057)		
33 42 36 00-0061 EA End Cap For 12" Wide, Fiber Reinforced Polyester, Modular Trench Drains	72.73	
33 42 36 00-0062 EA No-Hub End Outlet For 12" Wide, Fiber Reinforced Polyester, Modular Trench Drains	83.60	
33 42 36 00-0063 EA No-Hub Bottom Outlet For 12" Wide, Fiber Reinforced Polyester, Modular Trench Drains	83.60	
33 42 36 00-0064 Other Fittings For 12" Wide, Fiber Reinforced Polyester, Modular Trench Drains (33 42 36 00-0057)		
33 42 36 00-0065 EA Bottom Dome Strainer For 12" Wide, Fiber Reinforced Polyester, Modular Trench Drains.....	105.66	
33 42 36 00-0066 EA Joint Connector For 12" Wide, Fiber Reinforced Polyester, Modular Trench Drains	135.30	
33 42 36 00-0067 EA 90 Degree, 45 Degree, Tee Or Side Outlet For 12" Wide, Fiber Reinforced Polyester, Modular Trench Drains	537.03	
33 42 36 00-0068 EA Cross For 12" Wide, Fiber Reinforced Polyester, Modular Trench Drains	1,011.35	
33 42 36 00-0069 EA Cutting Charges For 12" Wide, Fiber Reinforced Polyester, Modular Trench Drains.....	118.58	
33 42 36 00-0070 12" Wide, Vinylester Fiberglass, Modular Trench Drains (33 42 36 00-0043)		

33 Utilities**33 40 Stormwater Utilities****33 42 Stormwater Conveyance**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 36 00-0071 12" Wide, Vinylester Fiberglass, Modular Trench Drains (33 42 36 00-0070)		
33 42 36 00-0072 LF 12" Wide, Vinylester Fiberglass, Modular Trench Drain.....	225.61	17.94
For Acid Resistant Coated Top Frame, Add	30.83	
For Galvanized Welded Frame Assembly, Add	32.31	
For Type 304 Stainless Steel Top Frame, Add	184.98	
33 42 36 00-0073 Outlet Adapters For 12" Wide, Vinylester Fiberglass, Modular Trench Drains (33 42 36 00-0070)		
33 42 36 00-0074 EA End Cap For 12" Wide, Vinylester Fiberglass, Modular Trench Drains.....	161.66	
33 42 36 00-0075 EA No-Hub End Outlet For 12" Wide, Vinylester Fiberglass, Modular Trench Drains	172.53	
33 42 36 00-0076 EA No-Hub Bottom Outlet For 12" Wide, Vinylester Fiberglass, Modular Trench Drains	172.53	
33 42 36 00-0077 Other Fittings For 12" Wide, Vinylester Fiberglass, Modular Trench Drains (33 42 36 00-0070)		
33 42 36 00-0078 EA Bottom Dome Strainer For 12" Wide, Vinylester Fiberglass, Modular Trench Drains	105.66	
33 42 36 00-0079 EA Joint Connector For 12" Wide, Vinylester Fiberglass, Modular Trench Drains.....	135.30	
33 42 36 00-0080 EA 90 Degree, 45 Degree, Tee Or Side Outlet For 12" Wide, Vinylester Fiberglass, Modular Trench Drains	537.03	
33 42 36 00-0081 EA Cross For 12" Wide, Vinylester Fiberglass, Modular Trench Drains	1,011.35	
33 42 36 00-0082 EA Cutting Charges For 12" Wide, Vinylester Fiberglass, Modular Trench Drains.....	118.58	
33 42 36 00-0083 23" Wide, Modular Trench Drains (33 42 36 00-0083)		
33 42 36 00-0084 23" Wide, High Density Polyethylene, Modular Trench Drains (33 42 36 00-0084)		
33 42 36 00-0086 LF 23" Wide, High Density Polyethylene, Modular Trench Drain	190.13	24.46
For Acid Resistant Coated Frame, Add	46.25	
For Galvanized Frame Assembly, Add	46.25	
For Type 304 Stainless Steel Top Frame, Add	284.59	
33 42 36 00-0087 Outlet Adapters For 23" Wide, High Density Polyethylene, Modular Trench Drains (33 42 36 00-0084)		
33 42 36 00-0088 EA End Cap For 23" Wide, High Density Polyethylene, Modular Trench Drains.....	199.75	
33 42 36 00-0089 EA No-Hub End Outlet For 23" Wide, High Density Polyethylene, Modular Trench Drains.....	309.63	
33 42 36 00-0090 EA No-Hub Bottom Outlet For 23" Wide, High Density Polyethylene, Modular Trench Drains.....	309.63	
33 42 36 00-0091 Other Fittings For 23" Wide, High Density Polyethylene, Modular Trench Drains (33 42 36 00-0084)		
33 42 36 00-0092 EA Bottom Dome Strainer For 23" Wide, High Density Polyethylene, Modular Trench Drains.....	231.98	
33 42 36 00-0093 EA 90 Degree, 45 Degree, Tee Or Side Outlet For 23" Wide, High Density Polyethylene, Modular Trench Drains.....	1,050.55	
33 42 36 00-0094 EA Cross For 23" Wide, High Density Polyethylene, Modular Trench Drains.....	1,999.19	
33 42 36 00-0095 EA Cutting Charges For 23" Wide, High Density Polyethylene, Modular Trench Drains	237.16	
33 42 36 00-0096 Modular Trench Drain Grates (33 42 36 00-0096)		
33 42 36 00-0097 6" Wide, Modular Trench Drain Grates (33 42 36 00-0096)		
33 42 36 00-0098 LF 6" Wide, Galvanized Ductile Iron Cast Bar, Modular Trench Drain Grate	61.00	2.44
33 42 36 00-0099 LF 6" Wide, Ductile Iron Cast Bar, Modular Trench Drain Grate	52.05	2.44
33 42 36 00-0100 LF 6" Wide, Ductile Iron Solid Cover, Modular Trench Drain Grate	54.54	2.44
33 42 36 00-0101 LF 6" Wide, Ductile Iron Slotted, Modular Trench Drain Grate.....	47.95	2.44
33 42 36 00-0102 LF 6" Wide, Galvanized Ductile Iron Slotted, Modular Trench Drain Grate.....	51.51	2.44
33 42 36 00-0103 LF 6" Wide, Heel Proof Ductile Iron, Modular Trench Drain Grate.....	52.10	2.44
33 42 36 00-0104 LF 6" Wide, Ductile Iron Longitudinal Slotted, Modular Trench Drain Grate.....	52.10	2.44
33 42 36 00-0105 LF 6" Wide, Galvanized Cast Iron Slotted, Modular Trench Drain Grate	51.51	2.44
33 42 36 00-0106 LF 6" Wide, Galvanized Steel Slotted, Modular Trench Drain Grate.....	45.58	2.44
33 42 36 00-0107 LF 6" Wide, Perforated Galvanized Steel, Modular Trench Drain Grate	45.58	2.44
33 42 36 00-0108 LF 6" Wide, Reinforced Galvanized Steel Slotted, Modular Trench Drain Grate.....	48.31	2.44
33 42 36 00-0109 LF 6" Wide, Reinforced Perforated Galvanized Steel, Modular Trench Drain Grate.....	48.31	2.44
33 42 36 00-0110 LF 6" Wide, Fabricated Stainless Steel Slotted, Modular Trench Drain Grate	62.18	2.44
33 42 36 00-0111 LF 6" Wide, Perforated Stainless Steel, Modular Trench Drain Grate.....	62.18	2.44
33 42 36 00-0112 LF 6" Wide, Reinforced Stainless Steel Slotted, Modular Trench Drain Grate.....	111.99	2.44
33 42 36 00-0113 LF 6" Wide, Reinforced Perforated Stainless Steel, Modular Trench Drain Grate	111.99	2.44
33 42 36 00-0114 LF 6" Wide, Stainless Steel Bar, Modular Trench Drain Grate.....	307.64	2.44
33 42 36 00-0115 LF 6" Wide, Heel Proof Polyethylene, Modular Trench Drain Grate.....	43.21	2.44
33 42 36 00-0116 LF 6" Wide, Fiberglass, Modular Trench Drain Grate	90.64	2.44
33 42 36 00-0117 12" Wide, Modular Trench Drain Grates (33 42 36 00-0096)		
33 42 36 00-0118 LF 12" Wide, Black Acid Resistant Coated Ductile Iron, Modular Trench Drain Grate.....	164.56	2.65
33 42 36 00-0119 LF 12" Wide, Ductile Iron Solid Cover, Modular Trench Drain Grate	157.45	2.65
33 42 36 00-0120 LF 12" Wide, Galvanized Ductile Iron Slotted, Modular Trench Drain Grate.....	137.29	2.65
33 42 36 00-0121 LF 12" Wide, Heel Proof Ductile Iron, Modular Trench Drain Grate.....	144.11	2.65
33 42 36 00-0122 LF 12" Wide, Perforated Galvanized Steel, Modular Trench Drain Grate	124.84	2.65
33 42 36 00-0123 LF 12" Wide, Reinforced Galvanized Steel Slotted, Modular Trench Drain Grate.....	241.94	2.65



	Utilities	33
	Stormwater Utilities	33 40
	Stormwater Conveyance	33 42

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 36 00-0124 LF 12" Wide, Reinforced Perforated Galvanized Steel, Modular Trench Drain Grate.....	241.94	2.65
33 42 36 00-0125 LF 12" Wide, Fabricated Stainless Steel Slotted, Modular Trench Drain Grate	308.04	2.65
33 42 36 00-0126 LF 12" Wide, Perforated Stainless Steel, Modular Trench Drain Grate	308.04	2.65
33 42 36 00-0127 LF 12" Wide, Reinforced Stainless Steel Slotted, Modular Trench Drain Grate.....	392.53	2.65
33 42 36 00-0128 LF 12" Wide, Reinforced Perforated Stainless Steel Slotted, Modular Trench Drain Grate	392.53	2.65
33 42 36 00-0129 LF 12" Wide, Stainless Steel Cast Bar, Modular Trench Drain Grate	372.67	2.65
33 42 36 00-0130 LF 12" Wide, Fiberglass, Modular Trench Drain Grate	177.31	2.65
33 42 36 00-0131 23" Wide, Modular Trench Drain Grates (33 42 36 00-0096)		
33 42 36 00-0132 LF 23" Wide, Ductile Iron Solid Cover, Modular Trench Drain Grate	258.65	2.85
33 42 36 00-0133 LF 23" Wide, Ductile Iron Slotted, Modular Trench Drain Grate.....	218.33	2.85
33 42 36 00-0134 LF 23" Wide, Galvanized Ductile Iron Slotted, Modular Trench Drain Grate.....	336.91	2.85
33 42 36 00-0135 LF 23" Wide, Heel Proof Longitudinal Ductile Iron, Modular Trench Drain Grate.....	250.35	2.85
33 44 Storm Utility Water Drains (33 40)		
33 44 36 Oil and Stormwater Separators (33 44)		
33 44 36 00-0001 Oil/Water Separator (33 44 36)		
Note: Complete with internal sensors and detectors.		
33 44 36 00-0002 Coalescing Oil Water Separator (33 44 36 00-0001)		
Note: Underground tank with interior polyurethane coating. Includes manways, coalescer, inlet and outlet spools, pump mount, 2" level sensor pipe and 4" pump out pipe. HighGuard as manufactured by Highland Tank, Stoystown, PA.		
33 44 36 00-0003 Single Wall Steel Coalescing Oil Water Separator (33 44 36 00-0002)		
33 44 36 00-0004 EA 550 Gallon, 55 GPM Single Wall Steel Coalescing Oil Water Separator With Manways.....	11,437.77	
Note: HTC-G 550. 3'-6" diameter x 10'-9" long tank.		
<i>For Interior Polyurethane Coating, Add</i>		711.00
33 44 36 00-0005 EA 1,000 Gallon, 100 GPM Single Wall Steel Coalescing Oil Water Separator With Manways.....	13,520.27	
Note: HTC-G 1000. 4' diameter x 14' long tank.		
<i>For Interior Polyurethane Coating, Add</i>		893.70
33 44 36 00-0006 EA 2,000 Gallon, 200 GPM Single Wall Steel Coalescing Oil Water Separator With Manways.....	15,762.20	
Note: HTC-G 2000. 5'-4" diameter x 15' long tank.		
<i>For Interior Polyurethane Coating, Add</i>		1,340.10
33 44 36 00-0007 Double Wall Steel Coalescing Oil Water Separator (33 44 36 00-0002)		
33 44 36 00-0008 EA 550 Gallon, 55 GPM Double Wall Steel Coalescing Oil Water Separator With Manways	16,590.97	
Note: HTC-G 550. 3'-6" diameter x 10'-9" long tank.		
<i>For Interior Polyurethane Coating, Add</i>		711.00
33 44 36 00-0009 EA 1,000 Gallon, 100 GPM Double Wall Steel Coalescing Oil Water Separator With Manways	18,759.08	
Note: HTC-G 1000. 4' diameter x 14' long tank.		
<i>For Interior Polyurethane Coating, Add</i>		893.70
33 44 36 00-0010 EA 2,000 Gallon, 200 GPM Double Wall Steel Coalescing Oil Water Separator With Manways	22,450.58	
Note: HTC-G 2000. 5'-4" diameter x 15' long tank.		
<i>For Interior Polyurethane Coating, Add</i>		1,340.10
33 44 36 00-0011 EA 3,000 Gallon, 300 GPM Double Wall Steel Coalescing Oil Water Separator With Manways	25,792.69	
Note: HTC-G 3000. 5'-4" diameter x 21'-4" long tank.		
<i>For Interior Polyurethane Coating, Add</i>		1,550.70
33 44 36 00-0012 EA 5,000 Gallon, 500 GPM Double Wall Steel Coalescing Oil Water Separator With Manways	33,394.07	
Note: HTC-G 5000. 6' diameter x 28'-8" long tank.		
<i>For Interior Polyurethane Coating, Add</i>		2,057.80
33 44 36 00-0013 Accessories For Coalescing Oil Water Separators (33 44 36 00-0002)		
33 44 36 00-0014 EA Single Channel Alarm Panel For Coalescing Oil Water Separator	675.46	
Note: HTAP1.		
33 44 36 00-0015 EA Two Channel Alarm Panel For Coalescing Oil Water Separator.....	909.30	
Note: HTAP2.		
33 44 36 00-0016 EA Float Interface Sensor For Coalescing Oil Water Separator.....	519.70	
Note: Required for UL 2215 label.		
33 44 36 00-0017 EA 1-1/2" Liquid Only Sensor For Coalescing Oil Water Separator	394.92	
Note: Required for UL 2215 label.		
33 44 36 00-0018 EA Polyvinyl Chloride (PVC) Cap For 2" Sensor For Coalescing Oil Water Separator.....	160.95	
Note: Required for UL 2215 label.		
33 44 36 00-0019 EA 550, 1,000 Or 2,000 Gallon Tank Concrete Deadmen Set (2 Each) For Coalescing Oil Water Separator	2,131.61	
33 44 36 00-0020 EA 3,000 Gallon Tank Concrete Deadmen Set (4 Each) For Coalescing Oil Water Separator	4,263.23	
33 44 36 00-0021 EA 5,000 Gallon Tank Concrete Deadmen Set (6 Each) For Coalescing Oil Water Separator	6,394.91	
33 44 36 00-0022 EA 550 Or 1,000 Gallon Tank Polyester Hold Down Straps (2 Each) With Galvanized Turnbuckle And Clamps For Coalescing Oil Water Separator	417.39	
33 44 36 00-0023 EA 2,000 Gallon Tank Polyester Hold Down Straps (2 Each) With Galvanized Turnbuckle And Clamps For Coalescing Oil Water Separator	483.95	
33 44 36 00-0024 EA 3,000 Gallon Tank Polyester Hold Down Straps (4 Each) With Galvanized Turnbuckle And Clamps For Coalescing Oil Water Separator	967.89	
33 44 36 00-0025 EA 5,000 Gallon Tank Polyester Hold Down Straps (6 Each) With Galvanized Turnbuckle And Clamps For Coalescing Oil Water Separator	2,075.76	
33 44 36 00-0026 EA 30" Diameter Grade Level Manway For Coalescing Oil Water Separator.....	573.37	
Note: Required when installed in paved areas.		
33 44 36 00-0027 EA 36" Diameter Grade Level Manway For Coalescing Oil Water Separator.....	738.37	
Note: Required when installed in paved areas.		

33 Utilities**33 40 Stormwater Utilities****33 44 Storm Utility Water Drains**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 44 36 00-0028 EA 48" Diameter Grade Level Manway For Coalescing Oil Water Separator.....	1,007.36	
Note: Required when installed in paved areas.		
33 44 36 00-0029 EA 54" x 54" Grade Level Manway For Coalescing Oil Water Separator.....	1,785.18	
Note: Required when installed in paved areas.		
33 44 36 00-0030 EA 66" x 54" Grade Level Manway For Coalescing Oil Water Separator.....	2,278.07	
Note: Required when installed in paved areas.		
33 44 36 00-0031 EA 66" x 66" Grade Level Manway For Coalescing Oil Water Separator.....	2,843.75	
Note: Required when installed in paved areas.		
33 44 36 00-0032 EA 78" x 66" Grade Level Manway For Coalescing Oil Water Separator.....	3,569.58	
Note: Required when installed in paved areas.		
33 44 36 00-0033 EA 550 Gallon Petroscreen (Material Only) For Coalescing Oil Water Separator.....	693.59	
33 44 36 00-0034 EA 1,000 Gallon Petroscreen (Material Only) For Coalescing Oil Water Separator.....	845.41	
33 44 36 00-0035 EA 2,000 Gallon Petroscreen (Material Only) For Coalescing Oil Water Separator.....	1,327.90	
33 44 36 00-0036 EA 550 Gallon Corrugated Coalescer Plate (Material Only) For Coalescing Oil Water Separator.....	661.35	
33 44 36 00-0037 EA 1,000 Gallon Corrugated Coalescer Plate (Material Only) For Coalescing Oil Water Separator.....	802.77	
33 44 36 00-0038 EA 2,000 Gallon Corrugated Coalescer Plate (Material Only) For Coalescing Oil Water Separator.....	952.51	
33 44 36 00-0039 EA 18" Manhole Gasket (Material Only) For Coalescing Oil Water Separator.....	56.15	
33 44 36 00-0040 EA 24" Manhole Gasket (Material Only) For Coalescing Oil Water Separator.....	63.43	
33 44 36 00-0041 Oil Skimmers (33 44 36)		
33 44 36 00-0042 Oil Skimmers, 12" And 24" Models (33 44 36 00-0041)		
33 44 36 00-0043 EA Oil Skimmers, TENV, 12" Open, 1/2 HP, 230/460 Volt, 3 Phase.....	4,905.19	615.47
33 44 36 00-0044 EA Oil Skimmers, Explosion-Proof, 12" Open, 1/2 HP, 230/460 Volt, 3 Phase.....	5,130.27	615.47
33 44 36 00-0045 EA Oil Skimmers, TENV, 12" Open, 1/2 HP, 115/220 Volt, 1 Phase.....	4,926.03	615.47
33 44 36 00-0046 EA Oil Skimmers, Explosion-Proof, 12" Open, 1/2 HP, 115/220 Volt, 1 Phase.....	5,214.67	615.47
33 44 36 00-0047 EA Oil Skimmers, TENV, 12" Enclosed, 1/2 HP, 230/460 Volt, 3 Phase.....	5,162.57	615.47
33 44 36 00-0048 EA Oil Skimmers, Explosion-Proof, 12" Enclosed, 1/2 HP, 230/460 Volt, 3 Phase.....	5,353.26	615.47
33 44 36 00-0049 EA Oil Skimmers, TENV, 12" Enclosed, 1/2 HP, 115/220 Volt, 1 Phase.....	5,211.55	615.47
33 44 36 00-0050 EA Oil Skimmers, Explosion-Proof, 12" Enclosed, 1/2 HP, 115/220 Volt, 1 Phase.....	5,499.15	615.47
33 44 36 00-0051 EA Oil Skimmers, TENV, 24" Open, 1/2 HP, 230/460 Volt, 3 Phase.....	5,557.51	820.80
33 44 36 00-0052 EA Oil Skimmers, Explosion-Proof, 24" Open, 1/2 HP, 230/460 Volt, 3 Phase.....	5,798.22	820.80
33 44 36 00-0053 EA Oil Skimmers, TENV, 24" Open, 1/2 HP, 115/220 Volt, 1 Phase.....	5,621.07	820.80
33 44 36 00-0054 EA Oil Skimmers, Explosion-Proof, 24" Open, 1/2 HP, 115/220 Volt, 1 Phase.....	5,967.03	820.80
33 44 36 00-0055 EA Oil Skimmers, TENV, 24" Enclosed, 1/2 HP, 230/460 Volt, 3 Phase.....	6,166.06	820.80
33 44 36 00-0056 EA Oil Skimmers, Explosion-Proof, 24" Enclosed, 1/2 HP, 230/460 Volt, 3 Phase.....	6,406.77	820.80
33 44 36 00-0057 EA Oil Skimmers, TENV, 24" Enclosed, 1/2 HP, 115/220 Volt, 1 Phase.....	6,217.12	820.80
33 44 36 00-0058 EA Oil Skimmers, Explosion-Proof, 24" Enclosed, 1/2 HP, 115/220 Volt, 1 Phase.....	6,564.12	820.80
33 44 36 00-0059 Oil Skimmers, Add-Ons (33 44 36 00-0041)		
33 44 36 00-0060 LF Add For Belt Projection, 12" Width.....	15.63	
33 44 36 00-0061 LF Add For Belt Projection, 24" Width.....	29.18	
33 44 36 00-0062 LF Add For Spacer Stands, 12" Models.....	256.78	
33 44 36 00-0063 LF Add For Spacer Stands, 24" Models.....	302.63	
33 46 Stormwater Management (33 40)		
33 46 51 Stormwater Leaching Pits (33 46)		
33 46 51 00-0001 Drainage Wells (33 46 51)		
Note: Includes augering hole.		
33 46 51 00-0002 LF 12" Diameter Drainage Well With Corrugated Metal Liner.....	22.19	
33 46 51 00-0003 LF 18" Diameter Drainage Well With Corrugated Metal Liner.....	26.76	
33 46 51 00-0004 LF 24" Diameter Drainage Well With Corrugated Metal Liner.....	35.19	
33 50 Hydrocarbon Utilities (33)		
33 52 Hydrocarbon Transmission and Distribution (33 50)		
33 52 16 Gas Hydrocarbon Piping (33 52)		
33 52 16 13 Steel Natural Gas Piping (33 52 16)		
See CSI section 23 05 23 00-0000 for gas valves.		
33 52 16 13-0001 Gas Distribution Lines (33 52 16 13)		
Note: Excludes excavation and backfill. See CSI section 31 23 16 00-0000 for excavation, 31 23 16 36-0016 for backfill.		
33 52 16 13-0002 Steel, Schedule 40, Plain End, Coal Tar Enamel And Wrapped (33 52 16 13-0001)		
33 52 16 13-0003 LF 1/2" Diameter Schedule 40 Steel Gas Distribution Line, Plain End, Coal Tar Enamel.....	12.14	2.64
33 52 16 13-0004 LF 3/4" Diameter Schedule 40 Steel Gas Distribution Line, Plain End, Coal Tar Enamel.....	13.72	2.91
33 52 16 13-0005 LF 1" Diameter Schedule 40 Steel Gas Distribution Line, Plain End, Coal Tar Enamel.....	15.02	2.99
33 52 16 13-0006 LF 1-1/4" (3.2 cm) Diameter Schedule 40 Steel Gas Distribution Line, Plain End, Coal Tar Enamel.....	15.41	3.06
33 52 16 13-0007 LF 1-1/2" (3.6 cm) Diameter Schedule 40 Steel Gas Distribution Line, Plain End, Coal Tar Enamel.....	15.84	3.10
33 52 16 13-0008 LF 2" Diameter Schedule 40 Steel Gas Distribution Line, Plain End, Coal Tar Enamel.....	16.86	3.32
33 52 16 13-0009 LF 2-1/2" (6.0 cm) Diameter Schedule 40 Steel Gas Distribution Line, Plain End, Coal Tar Enamel.....	21.05	3.62
33 52 16 13-0010 LF 3" Diameter Schedule 40 Steel Gas Distribution Line, Plain End, Coal Tar Enamel.....	26.35	4.56
33 52 16 13-0011 LF 4" Diameter Schedule 40 Steel Gas Distribution Line, Plain End, Coal Tar Enamel.....	34.31	5.51
33 52 16 13-0012 LF 5" Diameter Schedule 40 Steel Gas Distribution Line, Plain End, Coal Tar Enamel.....	44.35	6.39



Utilities	33	CS
Hydrocarbon Utilities	33 50	
Hydrocarbon Transmission and Distribution	33 52	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 52 16 13-0013 LF 6" Diameter Schedule 40 Steel Gas Distribution Line, Plain End, Coal Tar Enamel.....	55.34	7.80
33 52 16 13-0014 LF 8" Diameter Schedule 40 Steel Gas Distribution Line, Plain End, Coal Tar Enamel.....	78.05	10.02
33 52 16 13-0015 Gas Line Taps (33 52 16 13-0001) Note: Includes material to tap into main and gas valve.		
33 52 16 13-0016 Polyethylene, 60 PSI (33 52 16 13-0015)		
33 52 16 13-0017 EA 2" Polyethylene Hot Tap, With Valve	1,043.74	
33 52 16 13-0018 EA 2-1/2" Polyethylene Hot Tap, With Valve	1,205.25	
33 52 16 13-0019 EA 3" Polyethylene Hot Tap, With Valve	1,283.52	
33 52 16 13-0020 EA 4" Polyethylene Hot Tap, With Valve	1,869.46	
33 52 16 13-0021 EA 6" Polyethylene Hot Tap, With Valve	2,825.92	
33 52 16 13-0022 Steel, Schedule 40 (33 52 16 13-0015) Note: For punch steel service tee.		
33 52 16 13-0023 EA 1/2" Iron Pipe Size Weld Base, 1/2" Iron Pipe Size Compression/Plain End Pipe Outlet Punch Valve Steel Service Tee	1,552.58	
33 52 16 13-0024 EA 3/4" Iron Pipe Size Weld Base, 1/2" Iron Pipe Size Compression/Plain End Pipe Outlet Punch Valve Steel Service Tee	1,578.75	
33 52 16 13-0025 EA 3/4" Iron Pipe Size Weld Base, 3/4" Iron Pipe Size Compression/Plain End Pipe Outlet Punch Valve Steel Service Tee	1,620.56	
33 52 16 13-0026 EA 3/4" Iron Pipe Size Weld Base, 1" Iron Pipe Size Compression/Plain End Pipe Outlet Punch Valve Steel Service Tee	1,660.55	
33 52 16 13-0027 EA 1" Iron Pipe Size Weld Base, 1" Iron Pipe Size Compression/Plain End Pipe Outlet Punch Valve Steel Service Tee	1,686.59	
33 52 16 13-0028 EA 1-1/4" Iron Pipe Size Weld Base, 1" Iron Pipe Size Compression/Plain End Pipe Outlet Punch Valve Steel Service Tee	1,828.84	
33 52 16 13-0029 EA 1-1/4" Iron Pipe Size Weld Base, 1-1/4" Iron Pipe Size Compression/Plain End Pipe Outlet Punch Valve Steel Service Tee	1,880.70	
33 52 16 13-0030 Protective Pipe And Fitting Wrap (33 52 16 13-0001) Note: Includes cleaning and priming pipe.		
33 52 16 13-0031 Corrosion Protection Pipe Wrap For Pipe (33 52 16 13-0030) Note: Field applied.		
33 52 16 13-0032 LF 1/2" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe	3.15	
33 52 16 13-0033 LF 3/4" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe	3.33	
33 52 16 13-0034 LF 1" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe	3.54	
33 52 16 13-0035 LF 1-1/4" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe	3.96	
33 52 16 13-0036 LF 1-1/2" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe	4.28	
33 52 16 13-0037 LF 2" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe	4.91	
33 52 16 13-0038 LF 2-1/2" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe	5.90	
33 52 16 13-0039 LF 3" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe	7.26	
33 52 16 13-0040 LF 4" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe	9.08	
33 52 16 13-0041 LF 6" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe	11.96	
33 52 16 13-0042 Corrosion Resistance Wrap And Coat - Fittings (33 52 16 13-0030) Note: Field applied.		
33 52 16 13-0043 EA 1/2" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe Fittings	18.79	
33 52 16 13-0044 EA 3/4" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe Fittings	18.79	
33 52 16 13-0045 EA 1" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe Fittings	23.25	
33 52 16 13-0046 EA 1-1/4" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe Fittings	26.08	
33 52 16 13-0047 EA 1-1/2" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe Fittings	26.08	
33 52 16 13-0048 EA 2" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe Fittings	30.86	
33 52 16 13-0049 EA 2-1/2" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe Fittings	41.26	
33 52 16 13-0050 EA 3" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe Fittings	55.63	
33 52 16 13-0051 EA 4" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe Fittings	56.17	
33 52 16 13-0052 EA 6" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe Fittings	64.50	
33 52 16 13-0053 Service Fittings (33 52 16 13-0001)		
33 52 16 13-0054 Brass Fittings (33 52 16 13-0053)		
33 52 16 13-0055 EA 1/2" X 2" Long Nipples, Threaded Both Ends, Brass	29.18	
33 52 16 13-0056 EA 3/4" X 2" Long Nipples, Threaded Both Ends, Brass	33.28	
33 52 16 13-0057 EA 1" X 2" Long Nipples, Threaded Both Ends, Brass	41.24	
33 52 16 13-0058 EA 1-1/4" X 2" Long Nipples, Threaded Both Ends, Brass	49.74	
33 52 16 13-0059 EA 1-1/2" X 2" Long Nipples, Threaded Both Ends, Brass	55.13	
33 52 16 13-0060 EA 2" X 2" Long Nipples, Threaded Both Ends, Brass	68.76	
33 52 16 13-0061 EA 1/2" 90 Degree Elbow, Brass	26.11	
33 52 16 13-0062 EA 3/4" 90 Degree Elbow, Brass	29.44	
33 52 16 13-0063 EA 1" 90 Degree Elbow, Brass	36.84	
33 52 16 13-0064 EA 1-1/4" 90 Degree Elbow, Brass	45.44	
33 52 16 13-0065 EA 1-1/2" 90 Degree Elbow, Brass	50.93	
33 52 16 13-0066 EA 2" 90 Degree Elbow, Brass	64.30	
33 52 16 13-0067 EA 1/2" Diameter Chrome Plated Nipple	22.37	
33 52 16 13-0068 EA 3/4" Diameter Chrome Plated Nipple	28.50	
33 52 16 13-0069 EA 1" Diameter Chrome Plated Nipple	37.09	
33 52 16 13-0070 EA 1-1/4" Diameter Chrome Plated Nipple	52.26	

33 Utilities**33 50 Hydrocarbon Utilities****33 52 Hydrocarbon Transmission and Distribution**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 52 16 13-0071 EA 1-1/2" Diameter Chrome Plated Nipple.....	62.45	
33 52 16 13-0072 EA 2" Diameter Chrome Plated Nipple.....	81.89	
33 52 16 13-0073 Anodless Gas Riser (33 52 16 13-0053)		
33 52 16 13-0074 EA 3/4" Anodless Gas Riser.....	72.78	
33 52 16 13-0075 EA 1" Anodless Gas Riser.....	88.90	
33 52 16 13-0076 EA 1-1/4" Anodless Gas Riser.....	101.97	
33 52 16 13-0077 EA 1-1/2" Anodless Gas Riser.....	122.89	
33 52 16 13-0078 EA 2" Anodless Gas Riser.....	138.81	
33 52 16 13-0079 Brass Service Adapter (33 52 16 13-0053)		
33 52 16 13-0080 EA 1/2" Brass Service Adapter.....	56.42	
33 52 16 13-0081 EA 3/4" Brass Service Adapter.....	62.08	
33 52 16 13-0082 EA 1" Brass Service Adapter.....	73.81	
33 52 16 13-0083 EA 1-1/4" Brass Service Adapter.....	83.51	
33 52 16 13-0084 EA 1-1/2" Brass Service Adapter.....	94.10	
33 52 16 13-0085 EA 2" Brass Service Adapter.....	106.20	
33 52 16 13-0086 EA 2-1/2" Brass Service Adapter.....	156.11	
33 52 16 13-0087 EA 3" Brass Service Adapter.....	189.25	
33 52 16 13-0088 EA 4" Brass Service Adapter.....	263.79	
33 52 16 23 Medium Density Polyethylene Piping for Natural Gas (33 52 16)		
33 52 16 23-0001 Medium Density Polyethylene (MDPE) Gas Distribution Piping (33 52 16 23)		
Note: 60 PSI, PE2406/PE2708. Includes couplings, #12 tracer wire, helically wrapped around piping.		
33 52 16 23-0002 LF 1/2" DR 9 (200 PSI) Medium Density Polyethylene (MDPE) Gas Distribution Pipe.....	3.41	1.64
For Colors, Add	0.03	
33 52 16 23-0003 LF 3/4" DR 11 (160 PSI) Medium Density Polyethylene (MDPE) Gas Distribution Pipe.....	3.72	1.75
For DR 13.5 (128 PSI), Deduct	-0.05	
For Colors, Add	0.03	
33 52 16 23-0004 LF 1" DR 11 (160 PSI) Medium Density Polyethylene (MDPE) Gas Distribution Pipe.....	4.05	1.87
For DR 13.5 (128 PSI), Deduct	-0.06	
For Colors, Add	0.04	
33 52 16 23-0005 LF 1-1/4" DR 11 (160 PSI) Medium Density Polyethylene (MDPE) Gas Distribution Pipe.....	4.39	1.99
For DR 13.5 (128 PSI), Deduct	-0.07	
For Colors, Add	0.05	
33 52 16 23-0006 LF 1-1/2" DR 11 (160 PSI) Medium Density Polyethylene (MDPE) Gas Distribution Pipe.....	4.89	2.40
For DR 13.5 (128 PSI), Deduct	-0.11	
For Colors, Add	0.07	
33 52 16 23-0007 LF 2" DR 11 (160 PSI) Medium Density Polyethylene (MDPE) Gas Distribution Pipe.....	5.39	2.61
For DR 13.5 (128 PSI), Deduct	-0.14	
For DR 15.5 (110 PSI), Deduct	-0.26	
For Colors, Add	0.09	
33 52 16 23-0008 LF 2-1/2" DR 11 (160 PSI) Medium Density Polyethylene (MDPE) Gas Distribution Pipe.....	6.36	3.05
For DR 13.5 (128 PSI), Deduct	-0.23	
For DR 15.5 (110 PSI), Deduct	-0.42	
For Colors, Add	0.15	
33 52 16 23-0009 LF 3" DR 11 (160 PSI) Medium Density Polyethylene (MDPE) Gas Distribution Pipe.....	7.52	3.63
For DR 13.5 (128 PSI), Deduct	-0.31	
For DR 15.5 (110 PSI), Deduct	-0.58	
For Colors, Add	0.20	
33 52 16 23-0010 LF 4" DR 11 (160 PSI) Medium Density Polyethylene (MDPE) Gas Distribution Pipe.....	10.83	3.72
For DR 13.5 (128 PSI), Deduct	-0.58	
For DR 15.5 (110 PSI), Deduct	-1.07	
For Colors, Add	0.38	
33 52 16 23-0011 LF 5" DR 11 (160 PSI) Medium Density Polyethylene (MDPE) Gas Distribution Pipe.....	19.04	3.72
For DR 13.5 (128 PSI), Deduct	-0.81	
For DR 15.5 (110 PSI), Deduct	-1.49	
For Colors, Add	0.52	
33 52 16 23-0012 LF 6" DR 11 (160 PSI) Medium Density Polyethylene (MDPE) Gas Distribution Pipe.....	15.79	3.72
For DR 13.5 (128 PSI), Deduct	-1.04	
For DR 15.5 (110 PSI), Deduct	-1.90	
For Colors, Add	0.67	
33 52 16 23-0013 LF 8" DR 11 (160 PSI) Medium Density Polyethylene (MDPE) Gas Distribution Pipe.....	22.27	4.65
For DR 13.5 (128 PSI), Deduct	-1.72	
For DR 15.5 (110 PSI), Deduct	-3.17	
For Colors, Add	1.11	
33 53 Hydrocarbon Utility Pressure Regulation (33 50)		
33 53 16 Gas Hydrocarbon Pressure Regulation (33 53)		
33 53 16 00-0001 Gas Pressure Regulators With Screwed And Flanged Ends (33 53 16)		
33 53 16 00-0002 EA 3/4" Gas Pressure Regulator, Screwed End.....	157.07	17.83
33 53 16 00-0003 EA 1" Gas Pressure Regulator, Screwed End.....	161.11	17.83
33 53 16 00-0004 EA 1-1/4" Gas Pressure Regulator, Screwed End.....	170.83	21.17
33 53 16 00-0005 EA 1-1/2" Gas Pressure Regulator, Screwed End.....	499.27	24.51
33 53 16 00-0006 EA 2" Gas Pressure Regulator, Screwed End.....	550.38	37.95
33 53 16 00-0007 EA 3" Gas Pressure Regulator, Screwed End.....	1,512.72	85.13



Utilities	33	CS
Hydrocarbon Utilities	33 50	
Hydrocarbon Utility Pressure Regulation	33 53	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 53 16 00-0008 EA 4" Gas Pressure Regulator, Screwed End.....	2,089.79	112.81
33 56 Hydrocarbon Storage <small>(33 50)</small>		
33 56 13 Aboveground Hydrocarbon Storage Tanks <small>(33 56)</small>		
See CSI section 23 13 23 00-0000 for aboveground storage tanks.		
33 56 33 Underground Hydrocarbon Storage <small>(33 56)</small>		
See CSI section 23 13 13 00-0000 for underground storage tanks.		
33 59 Hydrocarbon Utility Metering <small>(33 50)</small>		
33 59 11 Diaphragm/Bellows Hydrocarbons Meters <small>(33 59)</small>		
33 59 11 00-0001 Diaphragm Meters <small>(33 59 11)</small>		
Note: With standard direct-digital reading maximum working pressures 5 lbs to 100 lbs, threaded connections. Excludes pressure and temperature compensation.		
33 59 11 00-0002 EA 250 CF/Hour Gas Diaphragm Meter At 5 LB, Direct Digital, Threaded.....	429.79	69.75
For Temperature And Pressure Compensation, Add	8.40	
For Pulsers, Add	26.50	
33 59 11 00-0003 EA 425 CF/Hour Gas Diaphragm Meter At 10 LB, Direct Digital, Threaded.....	796.24	106.66
For Temperature And Pressure Compensation, Add	8.40	
For Pulsers, Add	26.50	
33 59 11 00-0004 EA 425 CF/Hour Gas Diaphragm Meter At 25 LB, Direct Digital, Threaded.....	905.23	106.66
For Temperature And Pressure Compensation, Add	8.40	
For Pulsers, Add	26.50	
33 59 11 00-0005 EA 800 CF/Hour Gas Diaphragm Meter At 20 LB, Direct Digital, Threaded.....	1,804.87	133.33
For Temperature And Pressure Compensation, Add	8.40	
For Pulsers, Add	26.50	
33 59 11 00-0006 EA 1,000 CF/Hour Gas Diaphragm Meter At 25 LB, Direct Digital, Threaded.....	2,066.64	164.10
For Temperature And Pressure Compensation, Add	8.40	
For Pulsers, Add	26.50	
33 59 11 00-0007 EA 800 CF/Hour Gas Diaphragm Meter At 100 LB, Direct Digital, Threaded.....	2,583.66	133.33
For Temperature And Pressure Compensation, Add	8.40	
For Pulsers, Add	26.50	
33 59 11 00-0008 EA 1,000 CF/Hour Gas Diaphragm Meter At 100 LB, Direct Digital, Threaded.....	2,904.70	164.10
For Temperature And Pressure Compensation, Add	8.40	
For Pulsers, Add	26.50	
33 59 11 00-0009 EA 1,400 CF/Hour Gas Diaphragm Meter At 100 LB, Direct Digital, Threaded.....	3,767.78	174.36
For Temperature And Pressure Compensation, Add	8.40	
For Pulsers, Add	26.50	
33 59 11 00-0010 EA 2,300 CF/Hour Gas Diaphragm Meter At 100 LB, Direct Digital, Threaded.....	5,270.99	205.12
For Temperature And Pressure Compensation, Add	8.40	
For Pulsers, Add	26.50	
33 59 11 00-0011 EA 5,000 CF/Hour Gas Diaphragm Meter At 100 LB, Direct Digital, Threaded.....	8,096.86	338.45
For Temperature And Pressure Compensation, Add	8.40	
For Pulsers, Add	26.50	
33 59 16 Hydrocarbons Turbine Meters <small>(33 59)</small>		
33 59 16 00-0001 Gas Turbine Meters With Direct-Digital Reading <small>(33 59 16)</small>		
Note: Maximum working pressure 175 PSI, flanged end connections.		
33 59 16 00-0002 EA 4", 18,000 CF/Hour Gas Turbine Meter 175 PSI, Direct Digital, Flanged.....	6,520.73	321.37
33 59 16 00-0003 EA 6", 30,000 CF/Hour Gas Turbine Meter 175 PSI, Direct Digital, Flanged.....	7,732.86	373.20
33 59 16 00-0004 EA 8", 60,000 CF/Hour Gas Turbine Meter 175 PSI, Direct Digital, Flanged.....	11,572.73	469.91
33 59 16 00-0005 EA 10", 90,000 CF/Hour Gas Turbine Meter 175 PSI, Direct Digital, Flanged.....	21,332.95	563.89
33 59 16 00-0006 EA 12", 150,000 CF/Hour Gas Turbine Meter 175 PSI, Direct Digital, Flanged.....	33,178.58	657.87
33 60 Hydronic And Steam Energy Utilities <small>(33)</small>		
33 61 Hydronic Energy Distribution <small>(33 60)</small>		
33 61 13 Buried Hydronic Energy Distribution <small>(33 61)</small>		
33 61 13 00-0001 Glass Lined Steel Piping <small>(33 61 13)</small>		
33 61 13 00-0002 Glass Lined Steel Pipe <small>(33 61 13 00-0001)</small>		
Note: 150 PSIG		
33 61 13 00-0003 EA 4" X 1' Glass Lined Steel Pipe.....	1,073.13	
33 61 13 00-0004 EA 4" X 2' Glass Lined Steel Pipe.....	1,184.63	
33 61 13 00-0005 EA 4" X 3' Glass Lined Steel Pipe.....	1,184.63	
33 61 13 00-0006 EA 4" X 4' Glass Lined Steel Pipe.....	1,407.61	
33 61 13 00-0007 EA 4" X 5' Glass Lined Steel Pipe.....	1,999.92	
33 61 13 00-0008 EA 4" X 10' Glass Lined Steel Pipe.....	2,315.81	
33 61 13 00-0009 EA 6" X 1' Glass Lined Steel Pipe.....	898.93	
33 61 13 00-0010 EA 6" X 2' Glass Lined Steel Pipe.....	1,944.17	
33 61 13 00-0011 EA 6" X 3' Glass Lined Steel Pipe.....	1,944.17	
33 61 13 00-0012 EA 6" X 4' Glass Lined Steel Pipe.....	2,202.00	
33 61 13 00-0013 EA 6" X 5' Glass Lined Steel Pipe.....	3,551.52	
33 61 13 00-0014 EA 6" X 10' Glass Lined Steel Pipe.....	4,110.38	
33 61 13 00-0015 EA 8" X 1' Glass Lined Steel Pipe.....	2,217.79	
33 61 13 00-0016 EA 8" X 2' Glass Lined Steel Pipe.....	2,670.73	

33 Utilities**33 60 Hydronic And Steam Energy Utilities****33 61 Hydronic Energy Distribution**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 61	13 00-0017	EA	8" X 3' Glass Lined Steel Pipe	2,670.73	
33 61	13 00-0018	EA	8" X 4' Glass Lined Steel Pipe	3,071.18	
33 61	13 00-0019	EA	8" X 5' Glass Lined Steel Pipe	4,159.16	
33 61	13 00-0020	EA	8" X 10' Glass Lined Steel Pipe	4,726.85	
33 61	13 00-0021	EA	12" X 1' Glass Lined Steel Pipe	6,015.42	
33 61	13 00-0022	EA	12" X 2' Glass Lined Steel Pipe	6,015.42	
33 61	13 00-0023	EA	12" X 3' Glass Lined Steel Pipe	6,233.76	
33 61	13 00-0024	EA	12" X 4' Glass Lined Steel Pipe	6,648.10	
33 61	13 00-0025	EA	12" X 5' Glass Lined Steel Pipe	7,459.65	
33 61	13 00-0026	EA	12" X 10' Glass Lined Steel Pipe	9,214.24	
33 61	13 00-0027	EA	16" X 10' Glass Lined Steel Pipe	12,551.22	
33 61	13 00-0028		90 Degree Elbow, Glass Lined Steel Fittings (33 61 13 00-0001)		
			Note: 150 PSIG		
33 61	13 00-0029	EA	4" 90 Degree Elbow, Glass Lined Steel Fittings.....	1,321.92	
33 61	13 00-0030	EA	6" 90 Degree Elbow, Glass Lined Steel Fittings.....	2,153.56	
33 61	13 00-0031	EA	8" 90 Degree Elbow, Glass Lined Steel Fittings.....	3,939.90	
33 61	13 00-0032	EA	10" 90 Degree Elbow, Glass Lined Steel Fittings.....	6,975.61	
33 61	13 00-0033	EA	12" 90 Degree Elbow, Glass Lined Steel Fittings.....	10,350.13	
33 61	13 00-0034	EA	14" 90 Degree Elbow, Glass Lined Steel Fittings.....	12,148.06	
33 61	13 00-0035	EA	16" 90 Degree Elbow, Glass Lined Steel Fittings.....	13,945.70	
33 61	13 00-0036		45 Degree Elbow, Glass Lined Steel Fittings (33 61 13 00-0001)		
			Note: 150 PSIG		
33 61	13 00-0037	EA	4" 45 Degree Elbow, Glass Lined Steel Fittings.....	1,296.37	
33 61	13 00-0038	EA	6" 45 Degree Elbow, Glass Lined Steel Fittings.....	2,153.56	
33 61	13 00-0039	EA	8" 45 Degree Elbow, Glass Lined Steel Fittings.....	4,116.43	
33 61	13 00-0040	EA	10" 45 Degree Elbow, Glass Lined Steel Fittings.....	11,518.93	
33 61	13 00-0041	EA	12" 45 Degree Elbow, Glass Lined Steel Fittings.....	10,350.13	
33 61	13 00-0042	EA	14" 45 Degree Elbow, Glass Lined Steel Fittings.....	12,148.06	
33 61	13 00-0043	EA	16" 45 Degree Elbow, Glass Lined Steel Fittings.....	13,945.70	
33 61	13 00-0044		Tee, Glass Lined Steel Fittings (33 61 13 00-0001)		
			Note: 150 PSIG		
33 61	13 00-0045	EA	4" Tee, Glass Lined Steel Fittings.....	2,056.06	
33 61	13 00-0046	EA	6" Tee, Glass Lined Steel Fittings.....	3,512.61	
33 61	13 00-0047	EA	8" Tee, Glass Lined Steel Fittings.....	5,180.43	
33 61	13 00-0048	EA	10" Tee, Glass Lined Steel Fittings.....	8,931.55	
33 61	13 00-0049	EA	12" Tee, Glass Lined Steel Fittings.....	12,697.72	
33 61	13 00-0050	EA	14" Tee, Glass Lined Steel Fittings.....	14,962.64	
33 61	13 00-0051	EA	16" Tee, Glass Lined Steel Fittings.....	17,182.76	
33 61	13 00-0052		Preinsulated Pipe (33 61 13)		
			Note: Includes coupling per full length of pipe. Excludes excavation and backfill. See CSI section 23 01 20 91-0025 for purging of existing system, 31 23 16 00-0000 for excavation, 31 23 16 33-0001 for excavation, 31 23 16 36-0016 for backfill.		
33 61	13 00-0053		Preinsulated Schedule 40 Black Steel Pipe (33 61 13 00-0052)		
			Note: With polyurethane insulation and non-metallic casing. Excludes excavation or backfill.		
33 61	13 00-0054		Standard Black Steel Carrier Pipe (33 61 13 00-0053)		
			Note: With 1/2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
33 61	13 00-0055	LF	3/4" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	43.00	
			For High Density Polyethylene (HDPE) Jacket, Add	0.42	
			For Schedule 80 Pipe, Add	4.24	
33 61	13 00-0056	LF	1" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	46.85	
			For High Density Polyethylene (HDPE) Jacket, Add	0.47	
			For Schedule 80 Pipe, Add	4.66	
33 61	13 00-0057	LF	1-1/4" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	51.26	
			For High Density Polyethylene (HDPE) Jacket, Add	0.53	
			For Schedule 80 Pipe, Add	5.25	
33 61	13 00-0058	LF	1-1/2" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	54.58	
			For High Density Polyethylene (HDPE) Jacket, Add	0.56	
			For Schedule 80 Pipe, Add	5.64	
33 61	13 00-0059	LF	2" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	57.49	
			For High Density Polyethylene (HDPE) Jacket, Add	0.59	
			For Schedule 80 Pipe, Add	5.89	
33 61	13 00-0060	LF	2-1/2" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	66.67	
			For High Density Polyethylene (HDPE) Jacket, Add	0.64	
			For Schedule 80 Pipe, Add	6.40	
33 61	13 00-0061	LF	3" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	76.87	
			For High Density Polyethylene (HDPE) Jacket, Add	0.69	
			For Schedule 80 Pipe, Add	6.92	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 61 13 00-0062 LF 4" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	97.40	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.87	
<i>For Schedule 80 Pipe, Add</i>	8.71	
33 61 13 00-0063 LF 5" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	121.66	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	1.11	
<i>For Schedule 80 Pipe, Add</i>	11.14	
33 61 13 00-0064 LF 6" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	141.95	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	1.29	
<i>For Schedule 80 Pipe, Add</i>	12.94	
33 61 13 00-0065 LF 8" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	187.50	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	1.88	
<i>For Schedule 80 Pipe, Add</i>	18.83	
33 61 13 00-0066 LF 10" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	235.33	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	2.48	
<i>For Schedule 80 Pipe, Add</i>	24.85	
33 61 13 00-0067 LF 12" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	291.70	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	3.10	
<i>For Schedule 80 Pipe, Add</i>	30.99	
33 61 13 00-0068 Standard Black Steel Carrier Pipe <small>(33 61 13 00-0063)</small>		
<i>Note: With 1" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.</i>		
33 61 13 00-0069 LF 3/4" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	45.12	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.47	
<i>For Schedule 80 Pipe, Add</i>	4.66	
33 61 13 00-0070 LF 1" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	49.18	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.51	
<i>For Schedule 80 Pipe, Add</i>	5.13	
33 61 13 00-0071 LF 1-1/4" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	53.88	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.58	
<i>For Schedule 80 Pipe, Add</i>	5.78	
33 61 13 00-0072 LF 1-1/2" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	57.39	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.62	
<i>For Schedule 80 Pipe, Add</i>	6.20	
33 61 13 00-0073 LF 2" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	60.43	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.65	
<i>For Schedule 80 Pipe, Add</i>	6.48	
33 61 13 00-0074 LF 2-1/2" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	69.87	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.70	
<i>For Schedule 80 Pipe, Add</i>	7.04	
33 61 13 00-0075 LF 3" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	80.33	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.76	
<i>For Schedule 80 Pipe, Add</i>	7.61	
33 61 13 00-0076 LF 4" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	101.75	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.96	
<i>For Schedule 80 Pipe, Add</i>	9.58	
33 61 13 00-0077 LF 5" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	127.23	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	1.23	
<i>For Schedule 80 Pipe, Add</i>	12.26	
33 61 13 00-0078 LF 6" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	148.42	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	1.42	
<i>For Schedule 80 Pipe, Add</i>	14.23	
33 61 13 00-0079 LF 8" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	196.91	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	2.07	
<i>For Schedule 80 Pipe, Add</i>	20.71	
33 61 13 00-0080 LF 10" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	247.76	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	2.73	
<i>For Schedule 80 Pipe, Add</i>	27.33	
33 61 13 00-0081 LF 12" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	307.20	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	3.41	
<i>For Schedule 80 Pipe, Add</i>	34.09	
33 61 13 00-0082 Standard Black Steel Carrier Pipe <small>(33 61 13 00-0063)</small>		
<i>Note: With 1-1/2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.</i>		

33 Utilities**33 60 Hydronic And Steam Energy Utilities****33 61 Hydronic Energy Distribution**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 61	13 00-0083	LF	3/4" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	46.18	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.49	
			<i>For Schedule 80 Pipe, Add</i>	4.88	
33 61	13 00-0084	LF	1" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	50.35	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.54	
			<i>For Schedule 80 Pipe, Add</i>	5.36	
33 61	13 00-0085	LF	1-1/4" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	55.19	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.60	
			<i>For Schedule 80 Pipe, Add</i>	6.04	
33 61	13 00-0086	LF	1-1/2" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	58.80	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.65	
			<i>For Schedule 80 Pipe, Add</i>	6.48	
33 61	13 00-0087	LF	2" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	61.91	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.68	
			<i>For Schedule 80 Pipe, Add</i>	6.78	
33 61	13 00-0088	LF	2-1/2" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	71.47	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.74	
			<i>For Schedule 80 Pipe, Add</i>	7.36	
33 61	13 00-0089	LF	3" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	82.06	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.80	
			<i>For Schedule 80 Pipe, Add</i>	7.95	
33 61	13 00-0090	LF	4" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	103.93	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	1.00	
			<i>For Schedule 80 Pipe, Add</i>	10.02	
33 61	13 00-0091	LF	5" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	130.02	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	1.28	
			<i>For Schedule 80 Pipe, Add</i>	12.81	
33 61	13 00-0092	LF	6" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	151.65	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	1.49	
			<i>For Schedule 80 Pipe, Add</i>	14.88	
33 61	13 00-0093	LF	8" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	201.62	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	2.17	
			<i>For Schedule 80 Pipe, Add</i>	21.65	
33 61	13 00-0094	LF	10" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	253.97	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	2.86	
			<i>For Schedule 80 Pipe, Add</i>	28.57	
33 61	13 00-0095	LF	12" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	314.95	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	3.56	
			<i>For Schedule 80 Pipe, Add</i>	35.64	
33 61	13 00-0096		Standard Black Steel Carrier Pipe <small>(33 61 13 00-0053)</small>		
			Note: With 2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
33 61	13 00-0097	LF	3/4" Diameter Preinsulated Schedule 40 Black Steel Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	47.77	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.52	
			<i>For Schedule 80 Pipe, Add</i>	5.19	
33 61	13 00-0098	LF	1" Diameter Preinsulated Schedule 40 Black Steel Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	52.09	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.57	
			<i>For Schedule 80 Pipe, Add</i>	5.71	
33 61	13 00-0099	LF	1-1/4" Diameter Preinsulated Schedule 40 Black Steel Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	57.16	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.64	
			<i>For Schedule 80 Pipe, Add</i>	6.43	
33 61	13 00-0100	LF	1-1/2" Diameter Preinsulated Schedule 40 Black Steel Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	60.92	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.69	
			<i>For Schedule 80 Pipe, Add</i>	6.90	
33 61	13 00-0101	LF	2" Diameter Preinsulated Schedule 40 Black Steel Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	64.12	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.72	
			<i>For Schedule 80 Pipe, Add</i>	7.22	
33 61	13 00-0102	LF	2-1/2" Diameter Preinsulated Schedule 40 Black Steel Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	73.87	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.78	
			<i>For Schedule 80 Pipe, Add</i>	7.84	
33 61	13 00-0103	LF	3" Diameter Preinsulated Schedule 40 Black Steel Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	84.65	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.85	
			<i>For Schedule 80 Pipe, Add</i>	8.47	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 61 13 00-0104 LF 4" Diameter Preinsulated Schedule 40 Black Steel Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	107.19	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	1.07	
<i>For Schedule 80 Pipe, Add</i>	10.67	
33 61 13 00-0105 LF 5" Diameter Preinsulated Schedule 40 Black Steel Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	134.20	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	1.37	
<i>For Schedule 80 Pipe, Add</i>	13.65	
33 61 13 00-0106 LF 6" Diameter Preinsulated Schedule 40 Black Steel Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	156.50	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	1.58	
<i>For Schedule 80 Pipe, Add</i>	15.85	
33 61 13 00-0107 LF 8" Diameter Preinsulated Schedule 40 Black Steel Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	208.68	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	2.31	
<i>For Schedule 80 Pipe, Add</i>	23.06	
33 61 13 00-0108 LF 10" Diameter Preinsulated Schedule 40 Black Steel Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	263.29	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	3.04	
<i>For Schedule 80 Pipe, Add</i>	30.44	
33 61 13 00-0109 LF 12" Diameter Preinsulated Schedule 40 Black Steel Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	326.57	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	3.80	
<i>For Schedule 80 Pipe, Add</i>	37.97	
33 61 13 00-0110 Preinsulated Black Steel Fittings <small>(33 61 13 00-0052)</small>		
Note: No excavation or backfill.		
33 61 13 00-0111 Elbows <small>(33 61 13 00-0110)</small>		
33 61 13 00-0112 Elbows <small>(33 61 13 00-0111)</small>		
Note: With 1/2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
33 61 13 00-0113 EA 3/4" Diameter Preinsulated Black Steel Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	325.60	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	4.35	
33 61 13 00-0114 EA 1" Diameter Preinsulated Black Steel Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	339.06	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	4.46	
33 61 13 00-0115 EA 1-1/4" Diameter Preinsulated Black Steel Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	390.93	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	5.07	
33 61 13 00-0116 EA 1-1/2" Diameter Preinsulated Black Steel Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	444.50	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	5.53	
33 61 13 00-0117 EA 2" Diameter Preinsulated Black Steel Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	539.95	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	5.76	
33 61 13 00-0118 EA 2-1/2" Diameter Preinsulated Black Steel Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	667.85	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	5.99	
33 61 13 00-0119 EA 3" Diameter Preinsulated Black Steel Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	777.13	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	6.92	
33 61 13 00-0120 EA 4" Diameter Preinsulated Black Steel Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	907.00	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	8.07	
33 61 13 00-0121 EA 5" Diameter Preinsulated Black Steel Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,057.67	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	10.37	
33 61 13 00-0122 EA 6" Diameter Preinsulated Black Steel Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,154.95	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	11.78	
33 61 13 00-0123 EA 8" Diameter Preinsulated Black Steel Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,607.05	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	17.03	
33 61 13 00-0124 EA 10" Diameter Preinsulated Black Steel Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,111.21	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	21.77	
33 61 13 00-0125 EA 12" Diameter Preinsulated Black Steel Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,668.50	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	28.82	
33 61 13 00-0126 Elbows <small>(33 61 13 00-0111)</small>		
Note: With 1" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
33 61 13 00-0127 EA 3/4" Diameter Preinsulated Black Steel Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	341.93	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	4.68	
33 61 13 00-0128 EA 1" Diameter Preinsulated Black Steel Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	355.78	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	4.79	
33 61 13 00-0129 EA 1-1/4" Diameter Preinsulated Black Steel Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	409.95	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	5.45	

33 Utilities**33 60 Hydronic And Steam Energy Utilities****33 61 Hydronic Energy Distribution**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 61 13 00-0130 EA 1-1/2" Diameter Preinsulated Black Steel Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	465.24	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	5.95	
33 61 13 00-0131 EA 2" Diameter Preinsulated Black Steel Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	561.56	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	6.20	
33 61 13 00-0132 EA 2-1/2" Diameter Preinsulated Black Steel Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	690.33	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	6.44	
33 61 13 00-0133 EA 3" Diameter Preinsulated Black Steel Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	803.06	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	7.43	
33 61 13 00-0134 EA 4" Diameter Preinsulated Black Steel Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	937.26	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	8.67	
33 61 13 00-0135 EA 5" Diameter Preinsulated Black Steel Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,096.57	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	11.15	
33 61 13 00-0136 EA 6" Diameter Preinsulated Black Steel Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,199.14	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	12.67	
33 61 13 00-0137 EA 8" Diameter Preinsulated Black Steel Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,670.93	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	18.31	
33 61 13 00-0138 EA 10" Diameter Preinsulated Black Steel Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,192.86	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	23.41	
33 61 13 00-0139 EA 12" Diameter Preinsulated Black Steel Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,776.57	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	30.98	
33 61 13 00-0140 Elbows (33 61 13 00-0111)		
Note: With 1-1/2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
33 61 13 00-0141 EA 3/4" Diameter Preinsulated Black Steel Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	358.26	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	5.01	
33 61 13 00-0142 EA 1" Diameter Preinsulated Black Steel Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	372.49	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	5.13	
33 61 13 00-0143 EA 1-1/4" Diameter Preinsulated Black Steel Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	428.97	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	5.83	
33 61 13 00-0144 EA 1-1/2" Diameter Preinsulated Black Steel Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	485.99	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	6.36	
33 61 13 00-0145 EA 2" Diameter Preinsulated Black Steel Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	583.18	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	6.63	
33 61 13 00-0146 EA 2-1/2" Diameter Preinsulated Black Steel Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	712.80	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	6.89	
33 61 13 00-0147 EA 3" Diameter Preinsulated Black Steel Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	829.00	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	7.95	
33 61 13 00-0148 EA 4" Diameter Preinsulated Black Steel Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	967.52	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	9.28	
33 61 13 00-0149 EA 5" Diameter Preinsulated Black Steel Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,135.48	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	11.93	
33 61 13 00-0150 EA 6" Diameter Preinsulated Black Steel Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,243.33	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	13.55	
33 61 13 00-0151 EA 8" Diameter Preinsulated Black Steel Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,734.81	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	19.59	
33 61 13 00-0152 EA 10" Diameter Preinsulated Black Steel Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,274.51	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	25.04	
33 61 13 00-0153 EA 12" Diameter Preinsulated Black Steel Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,884.63	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	33.14	
33 61 13 00-0154 Elbows (33 61 13 00-0111)		
Note: With 2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
33 61 13 00-0155 EA 3/4" Diameter Preinsulated Black Steel Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	374.59	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	5.33	
33 61 13 00-0156 EA 1" Diameter Preinsulated Black Steel Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	389.20	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	5.46	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	33 61	13 00-0157	EA	1-1/4" Diameter Preinsulated Black Steel Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	447.99	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	6.21	
	33 61	13 00-0158	EA	1-1/2" Diameter Preinsulated Black Steel Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	506.74	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	6.78	
	33 61	13 00-0159	EA	2" Diameter Preinsulated Black Steel Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	604.79	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	7.06	
	33 61	13 00-0160	EA	2-1/2" Diameter Preinsulated Black Steel Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	735.28	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	7.34	
	33 61	13 00-0161	EA	3" Diameter Preinsulated Black Steel Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	854.93	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	8.47	
	33 61	13 00-0162	EA	4" Diameter Preinsulated Black Steel Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	997.77	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	9.88	
	33 61	13 00-0163	EA	5" Diameter Preinsulated Black Steel Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,174.38	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	12.71	
	33 61	13 00-0164	EA	6" Diameter Preinsulated Black Steel Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,287.51	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	14.43	
	33 61	13 00-0165	EA	8" Diameter Preinsulated Black Steel Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,798.68	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	20.87	
	33 61	13 00-0166	EA	10" Diameter Preinsulated Black Steel Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,356.16	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	26.67	
	33 61	13 00-0167	EA	12" Diameter Preinsulated Black Steel Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,992.69	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	35.30	
	33 61	13 00-0168		Tees <small>(33 61 13 00-0110)</small>		
	33 61	13 00-0169		Tees <small>(33 61 13 00-0168)</small>		
				Note: With 1/2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
	33 61	13 00-0170	EA	3/4" Diameter Preinsulated Black Steel Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	485.07	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	6.47	
	33 61	13 00-0171	EA	1" Diameter Preinsulated Black Steel Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	505.08	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	6.62	
	33 61	13 00-0172	EA	1-1/4" Diameter Preinsulated Black Steel Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	582.39	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	7.53	
	33 61	13 00-0173	EA	1-1/2" Diameter Preinsulated Black Steel Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	662.40	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	8.22	
	33 61	13 00-0174	EA	2" Diameter Preinsulated Black Steel Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	805.15	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	8.56	
	33 61	13 00-0175	EA	2-1/2" Diameter Preinsulated Black Steel Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	996.61	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	8.90	
	33 61	13 00-0176	EA	3" Diameter Preinsulated Black Steel Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,160.50	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	10.27	
	33 61	13 00-0177	EA	4" Diameter Preinsulated Black Steel Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,354.45	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	11.98	
	33 61	13 00-0178	EA	5" Diameter Preinsulated Black Steel Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,581.57	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	15.41	
	33 61	13 00-0179	EA	6" Diameter Preinsulated Black Steel Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,724.39	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	17.50	
	33 61	13 00-0180	EA	8" Diameter Preinsulated Black Steel Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,396.41	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	25.30	
	33 61	13 00-0181	EA	10" Diameter Preinsulated Black Steel Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	3,152.28	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	32.33	
	33 61	13 00-0182	EA	12" Diameter Preinsulated Black Steel Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	3,981.14	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	42.79	
	33 61	13 00-0183		Tees <small>(33 61 13 00-0168)</small>		
				Note: With 1" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
	33 61	13 00-0184	EA	3/4" Diameter Preinsulated Black Steel Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	509.32	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	6.95	

33 Utilities**33 60 Hydronic And Steam Energy Utilities****33 61 Hydronic Energy Distribution**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 61 13 00-0185 EA 1" Diameter Preinsulated Black Steel Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	529.90	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	7.12	
33 61 13 00-0186 EA 1-1/4" Diameter Preinsulated Black Steel Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	610.64	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	8.10	
33 61 13 00-0187 EA 1-1/2" Diameter Preinsulated Black Steel Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	693.21	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	8.83	
33 61 13 00-0188 EA 2" Diameter Preinsulated Black Steel Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	837.24	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	9.20	
33 61 13 00-0189 EA 2-1/2" Diameter Preinsulated Black Steel Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,029.99	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	9.57	
33 61 13 00-0190 EA 3" Diameter Preinsulated Black Steel Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,199.02	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	11.04	
33 61 13 00-0191 EA 4" Diameter Preinsulated Black Steel Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,399.38	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	12.88	
33 61 13 00-0192 EA 5" Diameter Preinsulated Black Steel Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,639.35	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	16.56	
33 61 13 00-0193 EA 6" Diameter Preinsulated Black Steel Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,790.01	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	18.81	
33 61 13 00-0194 EA 8" Diameter Preinsulated Black Steel Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,491.27	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	27.19	
33 61 13 00-0195 EA 10" Diameter Preinsulated Black Steel Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	3,273.53	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	34.76	
33 61 13 00-0196 EA 12" Diameter Preinsulated Black Steel Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	4,141.61	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	46.00	
33 61 13 00-0197 Tees <small>(33 61 13 00-0168)</small>		
Note: With 1-1/2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
33 61 13 00-0198 EA 3/4" Diameter Preinsulated Black Steel Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	533.57	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	7.44	
33 61 13 00-0199 EA 1" Diameter Preinsulated Black Steel Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	554.72	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	7.61	
33 61 13 00-0200 EA 1-1/4" Diameter Preinsulated Black Steel Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	638.88	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	8.66	
33 61 13 00-0201 EA 1-1/2" Diameter Preinsulated Black Steel Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	724.02	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	9.45	
33 61 13 00-0202 EA 2" Diameter Preinsulated Black Steel Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	869.34	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	9.84	
33 61 13 00-0203 EA 2-1/2" Diameter Preinsulated Black Steel Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,063.37	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	10.24	
33 61 13 00-0204 EA 3" Diameter Preinsulated Black Steel Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,237.53	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	11.81	
33 61 13 00-0205 EA 4" Diameter Preinsulated Black Steel Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,444.32	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	13.78	
33 61 13 00-0206 EA 5" Diameter Preinsulated Black Steel Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,697.12	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	17.72	
33 61 13 00-0207 EA 6" Diameter Preinsulated Black Steel Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,855.62	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	20.12	
33 61 13 00-0208 EA 8" Diameter Preinsulated Black Steel Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,586.13	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	29.09	
33 61 13 00-0209 EA 10" Diameter Preinsulated Black Steel Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	3,394.78	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	37.18	
33 61 13 00-0210 EA 12" Diameter Preinsulated Black Steel Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	4,302.09	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	49.21	
33 61 13 00-0211 Tees <small>(33 61 13 00-0168)</small>		
Note: With 2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 61 13 00-0212 EA 3/4" Diameter Preinsulated Black Steel Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	557.82	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	7.92	
33 61 13 00-0213 EA 1" Diameter Preinsulated Black Steel Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	579.54	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	8.11	
33 61 13 00-0214 EA 1-1/4" Diameter Preinsulated Black Steel Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	667.12	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	9.23	
33 61 13 00-0215 EA 1-1/2" Diameter Preinsulated Black Steel Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	754.83	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	10.07	
33 61 13 00-0216 EA 2" Diameter Preinsulated Black Steel Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	901.43	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	10.48	
33 61 13 00-0217 EA 2-1/2" Diameter Preinsulated Black Steel Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,096.75	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	10.90	
33 61 13 00-0218 EA 3" Diameter Preinsulated Black Steel Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,276.05	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	12.58	
33 61 13 00-0219 EA 4" Diameter Preinsulated Black Steel Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,489.25	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	14.68	
33 61 13 00-0220 EA 5" Diameter Preinsulated Black Steel Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,754.89	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	18.87	
33 61 13 00-0221 EA 6" Diameter Preinsulated Black Steel Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,921.24	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	21.43	
33 61 13 00-0222 EA 8" Diameter Preinsulated Black Steel Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,680.99	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	30.99	
33 61 13 00-0223 EA 10" Diameter Preinsulated Black Steel Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	3,516.03	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	39.61	
33 61 13 00-0224 EA 12" Diameter Preinsulated Black Steel Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	4,462.57	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	52.42	
33 61 13 00-0225 Reducers <small>(33 61 13 00-0110)</small>		
33 61 13 00-0226 Reducers <small>(33 61 13 00-0225)</small>		
<i>Note: With 1/2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.</i>		
33 61 13 00-0227 EA 3/4" Diameter Preinsulated Black Steel Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	277.82	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	3.61	
33 61 13 00-0228 EA 1" Diameter Preinsulated Black Steel Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	289.53	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	3.70	
33 61 13 00-0229 EA 1-1/4" Diameter Preinsulated Black Steel Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	334.09	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	4.21	
33 61 13 00-0230 EA 1-1/2" Diameter Preinsulated Black Steel Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	380.62	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	4.59	
33 61 13 00-0231 EA 2" Diameter Preinsulated Black Steel Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	465.67	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	4.78	
33 61 13 00-0232 EA 2-1/2" Diameter Preinsulated Black Steel Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	588.36	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	4.98	
33 61 13 00-0233 EA 3" Diameter Preinsulated Black Steel Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	678.67	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	5.74	
33 61 13 00-0234 EA 4" Diameter Preinsulated Black Steel Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	787.84	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	6.70	
33 61 13 00-0235 EA 5" Diameter Preinsulated Black Steel Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	915.76	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	8.61	
33 61 13 00-0236 EA 6" Diameter Preinsulated Black Steel Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	998.42	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	9.78	
33 61 13 00-0237 EA 8" Diameter Preinsulated Black Steel Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,386.89	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	14.14	
33 61 13 00-0238 EA 10" Diameter Preinsulated Black Steel Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,824.31	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	18.07	
33 61 13 00-0239 EA 12" Diameter Preinsulated Black Steel Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,298.91	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	23.92	

33 Utilities**33 60 Hydronic And Steam Energy Utilities****33 61 Hydronic Energy Distribution**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST
33 61 13 00-0240**Reducers** (33 61 13 00-0225)

Note: With 1" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

33 61 13 00-0241	EA	3/4" Diameter Preinsulated Black Steel Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	291.37
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	3.89
33 61 13 00-0242	EA	1" Diameter Preinsulated Black Steel Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	303.40
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	3.98
33 61 13 00-0243	EA	1-1/4" Diameter Preinsulated Black Steel Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	349.88
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	4.53
33 61 13 00-0244	EA	1-1/2" Diameter Preinsulated Black Steel Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	397.84
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	4.94
33 61 13 00-0245	EA	2" Diameter Preinsulated Black Steel Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	483.61
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	5.14
33 61 13 00-0246	EA	2-1/2" Diameter Preinsulated Black Steel Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	607.02
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	5.35
33 61 13 00-0247	EA	3" Diameter Preinsulated Black Steel Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	700.20
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	6.17
33 61 13 00-0248	EA	4" Diameter Preinsulated Black Steel Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	812.95
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	7.20
33 61 13 00-0249	EA	5" Diameter Preinsulated Black Steel Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	948.05
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	9.26
33 61 13 00-0250	EA	6" Diameter Preinsulated Black Steel Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,035.09
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	10.51
33 61 13 00-0251	EA	8" Diameter Preinsulated Black Steel Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,439.91
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	15.20
33 61 13 00-0252	EA	10" Diameter Preinsulated Black Steel Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,892.08
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	19.43
33 61 13 00-0253	EA	12" Diameter Preinsulated Black Steel Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,388.61
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	25.71

33 61 13 00-0254**Reducers** (33 61 13 00-0225)

Note: With 1-1/2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

33 61 13 00-0255	EA	3/4" Diameter Preinsulated Black Steel Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	304.92
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	4.16
33 61 13 00-0256	EA	1" Diameter Preinsulated Black Steel Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	317.27
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	4.25
33 61 13 00-0257	EA	1-1/4" Diameter Preinsulated Black Steel Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	365.66
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	4.84
33 61 13 00-0258	EA	1-1/2" Diameter Preinsulated Black Steel Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	415.06
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	5.28
33 61 13 00-0259	EA	2" Diameter Preinsulated Black Steel Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	501.55
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	5.50
33 61 13 00-0260	EA	2-1/2" Diameter Preinsulated Black Steel Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	625.67
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	5.72
33 61 13 00-0261	EA	3" Diameter Preinsulated Black Steel Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	721.72
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	6.60
33 61 13 00-0262	EA	4" Diameter Preinsulated Black Steel Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	838.06
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	7.70
33 61 13 00-0263	EA	5" Diameter Preinsulated Black Steel Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	980.34
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	9.90
33 61 13 00-0264	EA	6" Diameter Preinsulated Black Steel Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,071.77
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	11.25
33 61 13 00-0265	EA	8" Diameter Preinsulated Black Steel Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,492.92
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	16.26
33 61 13 00-0266	EA	10" Diameter Preinsulated Black Steel Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,959.85
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	20.78
33 61 13 00-0267	EA	12" Diameter Preinsulated Black Steel Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,478.30
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	27.51



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 61 13 00-0268 Reducers <small>(33 61 13 00-0225)</small>		
Note: With 2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
33 61 13 00-0269 EA 3/4" Diameter Preinsulated Black Steel Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	318.48	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>		
33 61 13 00-0270 EA 1" Diameter Preinsulated Black Steel Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	331.15	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>		
33 61 13 00-0271 EA 1-1/4" Diameter Preinsulated Black Steel Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	381.45	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>		
33 61 13 00-0272 EA 1-1/2" Diameter Preinsulated Black Steel Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	432.28	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>		
33 61 13 00-0273 EA 2" Diameter Preinsulated Black Steel Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	519.49	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>		
33 61 13 00-0274 EA 2-1/2" Diameter Preinsulated Black Steel Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	644.33	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>		
33 61 13 00-0275 EA 3" Diameter Preinsulated Black Steel Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	743.25	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>		
33 61 13 00-0276 EA 4" Diameter Preinsulated Black Steel Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	863.18	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>		
33 61 13 00-0277 EA 5" Diameter Preinsulated Black Steel Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,012.63	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>		
33 61 13 00-0278 EA 6" Diameter Preinsulated Black Steel Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,108.44	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>		
33 61 13 00-0279 EA 8" Diameter Preinsulated Black Steel Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,545.94	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>		
33 61 13 00-0280 EA 10" Diameter Preinsulated Black Steel Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,027.61	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>		
33 61 13 00-0281 EA 12" Diameter Preinsulated Black Steel Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,568.00	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>		
33 61 13 00-0282 Preinsulated Type K Copper Pipe <small>(33 61 13 00-0052)</small>		
Note: With polyurethane insulation and non-metallic casing. Excludes excavation or backfill.		
33 61 13 00-0283 Type K Copper Carrier Pipe <small>(33 61 13 00-0262)</small>		
Note: With 1/2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
33 61 13 00-0284 LF 3/4" Diameter Preinsulated Type K Copper Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	45.30	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>		
33 61 13 00-0285 LF 1" Diameter Preinsulated Type K Copper Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	49.40	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>		
33 61 13 00-0286 LF 1-1/4" Diameter Preinsulated Type K Copper Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	54.19	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>		
33 61 13 00-0287 LF 1-1/2" Diameter Preinsulated Type K Copper Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	57.77	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>		
33 61 13 00-0288 LF 2" Diameter Preinsulated Type K Copper Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	60.79	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>		
33 61 13 00-0289 LF 2-1/2" Diameter Preinsulated Type K Copper Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	70.04	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>		
33 61 13 00-0290 LF 3" Diameter Preinsulated Type K Copper Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	80.27	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>		
33 61 13 00-0291 LF 4" Diameter Preinsulated Type K Copper Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	101.66	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>		
33 61 13 00-0292 LF 5" Diameter Preinsulated Type K Copper Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	127.26	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>		
33 61 13 00-0293 LF 6" Diameter Preinsulated Type K Copper Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	148.40	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>		
33 61 13 00-0294 LF 8" Diameter Preinsulated Type K Copper Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	197.87	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>		
33 61 13 00-0295 LF 10" Diameter Preinsulated Type K Copper Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	249.64	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>		

33 Utilities**33 60 Hydronic And Steam Energy Utilities****33 61 Hydronic Energy Distribution**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 61	13 00-0296	LF	12" Diameter Preinsulated Type K Copper Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	309.65	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	3.60	
33 61	13 00-0297		Type K Copper Carrier Pipe <small>(33 61 13 00-0292)</small>		
			Note: With 1" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
33 61	13 00-0298	LF	3/4" Diameter Preinsulated Type K Copper Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	47.76	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.54	
33 61	13 00-0299	LF	1" Diameter Preinsulated Type K Copper Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	52.11	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.60	
33 61	13 00-0300	LF	1-1/4" Diameter Preinsulated Type K Copper Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	57.24	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.67	
33 61	13 00-0301	LF	1-1/2" Diameter Preinsulated Type K Copper Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	61.04	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.72	
33 61	13 00-0302	LF	2" Diameter Preinsulated Type K Copper Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	64.21	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.75	
33 61	13 00-0303	LF	2-1/2" Diameter Preinsulated Type K Copper Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	73.76	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.82	
33 61	13 00-0304	LF	3" Diameter Preinsulated Type K Copper Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	84.28	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.88	
33 61	13 00-0305	LF	4" Diameter Preinsulated Type K Copper Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	106.71	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	1.11	
33 61	13 00-0306	LF	5" Diameter Preinsulated Type K Copper Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	133.73	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	1.42	
33 61	13 00-0307	LF	6" Diameter Preinsulated Type K Copper Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	155.91	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	1.65	
33 61	13 00-0308	LF	8" Diameter Preinsulated Type K Copper Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	208.80	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	2.40	
33 61	13 00-0309	LF	10" Diameter Preinsulated Type K Copper Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	264.06	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	3.17	
33 61	13 00-0310	LF	12" Diameter Preinsulated Type K Copper Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	327.64	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	3.96	
33 61	13 00-0311		Type K Copper Carrier Pipe <small>(33 61 13 00-0292)</small>		
			Note: With 1-1/2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
33 61	13 00-0312	LF	3/4" Diameter Preinsulated Type K Copper Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	48.99	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.57	
33 61	13 00-0313	LF	1" Diameter Preinsulated Type K Copper Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	53.46	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.62	
33 61	13 00-0314	LF	1-1/4" Diameter Preinsulated Type K Copper Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	58.76	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.70	
33 61	13 00-0315	LF	1-1/2" Diameter Preinsulated Type K Copper Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	62.68	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.75	
33 61	13 00-0316	LF	2" Diameter Preinsulated Type K Copper Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	65.92	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.79	
33 61	13 00-0317	LF	2-1/2" Diameter Preinsulated Type K Copper Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	75.62	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.86	
33 61	13 00-0318	LF	3" Diameter Preinsulated Type K Copper Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	86.29	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.92	
33 61	13 00-0319	LF	4" Diameter Preinsulated Type K Copper Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	109.24	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	1.16	
33 61	13 00-0320	LF	5" Diameter Preinsulated Type K Copper Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	136.96	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	1.49	
33 61	13 00-0321	LF	6" Diameter Preinsulated Type K Copper Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	159.66	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	1.73	
33 61	13 00-0322	LF	8" Diameter Preinsulated Type K Copper Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	214.26	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	2.51	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST	
	33 61	13 00-0323	LF	10" Diameter Preinsulated Type K Copper Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	271.28 3.32		
	33 61	13 00-0324	LF	12" Diameter Preinsulated Type K Copper Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	336.63 4.14		
33 61	13 00-0325	Type K Copper Carrier Pipe <small>(33 61 13 00-0262)</small> Note: With 2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.					
	33 61	13 00-0326	LF	3/4" Diameter Preinsulated Type K Copper Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	50.84 0.60		
	33 61	13 00-0327	LF	1" Diameter Preinsulated Type K Copper Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	55.49 0.66		
	33 61	13 00-0328	LF	1-1/4" Diameter Preinsulated Type K Copper Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	61.05 0.75		
	33 61	13 00-0329	LF	1-1/2" Diameter Preinsulated Type K Copper Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	65.13 0.80		
	33 61	13 00-0330	LF	2" Diameter Preinsulated Type K Copper Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	68.48 0.84		
	33 61	13 00-0331	LF	2-1/2" Diameter Preinsulated Type K Copper Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	78.41 0.91		
	33 61	13 00-0332	LF	3" Diameter Preinsulated Type K Copper Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	89.30 0.98		
	33 61	13 00-0333	LF	4" Diameter Preinsulated Type K Copper Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	113.03 1.24		
	33 61	13 00-0334	LF	5" Diameter Preinsulated Type K Copper Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	141.81 1.58		
	33 61	13 00-0335	LF	6" Diameter Preinsulated Type K Copper Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	165.29 1.84		
	33 61	13 00-0336	LF	8" Diameter Preinsulated Type K Copper Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	222.46 2.68		
	33 61	13 00-0337	LF	10" Diameter Preinsulated Type K Copper Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	282.09 3.53		
	33 61	13 00-0338	LF	12" Diameter Preinsulated Type K Copper Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	350.13 4.41		
33 61	13 00-0339	Preinsulated Copper Fittings <small>(33 61 13 00-0052)</small>					
33 61	13 00-0340	Elbows <small>(33 61 13 00-0339)</small>					
33 61	13 00-0341	Elbows <small>(33 61 13 00-0340)</small> Note: With 1/2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.					
	33 61	13 00-0342	EA	3/4" Diameter Preinsulated Type K Copper Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	374.29 5.61		
	33 61	13 00-0343	EA	1" Diameter Preinsulated Type K Copper Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	388.14 5.74		
	33 61	13 00-0344	EA	1-1/4" Diameter Preinsulated Type K Copper Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	446.11 6.53		
	33 61	13 00-0345	EA	1-1/2" Diameter Preinsulated Type K Copper Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	502.34 7.13		
	33 61	13 00-0346	EA	2" Diameter Preinsulated Type K Copper Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	590.18 7.42		
	33 61	13 00-0347	EA	2-1/2" Diameter Preinsulated Type K Copper Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	706.19 7.72		
	33 61	13 00-0348	EA	3" Diameter Preinsulated Type K Copper Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	820.51 8.91		
	33 61	13 00-0349	EA	4" Diameter Preinsulated Type K Copper Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	957.58 10.39		
	33 61	13 00-0350	EA	5" Diameter Preinsulated Type K Copper Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	1,136.85 13.36		

33 Utilities**33 60 Hydronic And Steam Energy Utilities****33 61 Hydronic Energy Distribution**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 61 13 00-0351	EA	6" Diameter Preinsulated Type K Copper Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,250.98	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	15.18	
33 61 13 00-0352	EA	8" Diameter Preinsulated Type K Copper Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,754.03	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	21.94	
33 61 13 00-0353	EA	10" Diameter Preinsulated Type K Copper Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,291.52	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	28.05	
33 61 13 00-0354	EA	12" Diameter Preinsulated Type K Copper Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,923.69	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	37.12	
33 61 13 00-0355		Elbows <small>(33 61 13 00-0340)</small>		
		Note: With 1" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
33 61 13 00-0356	EA	3/4" Diameter Preinsulated Type K Copper Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	395.33	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	6.03	
33 61 13 00-0357	EA	1" Diameter Preinsulated Type K Copper Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	409.67	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	6.17	
33 61 13 00-0358	EA	1-1/4" Diameter Preinsulated Type K Copper Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	470.61	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	7.02	
33 61 13 00-0359	EA	1-1/2" Diameter Preinsulated Type K Copper Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	529.06	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	7.66	
33 61 13 00-0360	EA	2" Diameter Preinsulated Type K Copper Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	618.02	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	7.98	
33 61 13 00-0361	EA	2-1/2" Diameter Preinsulated Type K Copper Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	735.15	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	8.30	
33 61 13 00-0362	EA	3" Diameter Preinsulated Type K Copper Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	853.92	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	9.58	
33 61 13 00-0363	EA	4" Diameter Preinsulated Type K Copper Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	996.56	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	11.17	
33 61 13 00-0364	EA	5" Diameter Preinsulated Type K Copper Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,186.97	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	14.37	
33 61 13 00-0365	EA	6" Diameter Preinsulated Type K Copper Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,307.90	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	16.32	
33 61 13 00-0366	EA	8" Diameter Preinsulated Type K Copper Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,836.32	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	23.59	
33 61 13 00-0367	EA	10" Diameter Preinsulated Type K Copper Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,396.71	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	30.15	
33 61 13 00-0368	EA	12" Diameter Preinsulated Type K Copper Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	3,062.90	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	39.91	
33 61 13 00-0369		Elbows <small>(33 61 13 00-0340)</small>		
		Note: With 1-1/2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
33 61 13 00-0370	EA	3/4" Diameter Preinsulated Type K Copper Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	416.36	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	6.45	
33 61 13 00-0371	EA	1" Diameter Preinsulated Type K Copper Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	431.20	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	6.60	
33 61 13 00-0372	EA	1-1/4" Diameter Preinsulated Type K Copper Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	495.11	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	7.51	
33 61 13 00-0373	EA	1-1/2" Diameter Preinsulated Type K Copper Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	555.79	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	8.20	
33 61 13 00-0374	EA	2" Diameter Preinsulated Type K Copper Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	645.86	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	8.54	
33 61 13 00-0375	EA	2-1/2" Diameter Preinsulated Type K Copper Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	764.11	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	8.88	
33 61 13 00-0376	EA	3" Diameter Preinsulated Type K Copper Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	887.33	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	10.25	
33 61 13 00-0377	EA	4" Diameter Preinsulated Type K Copper Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,035.54	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	11.95	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 61 13 00-0378 EA 5" Diameter Preinsulated Type K Copper Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,237.09	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	15.37	
33 61 13 00-0379 EA 6" Diameter Preinsulated Type K Copper Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,365.06	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	17.46	
33 61 13 00-0380 EA 8" Diameter Preinsulated Type K Copper Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,918.46	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	25.24	
33 61 13 00-0381 EA 10" Diameter Preinsulated Type K Copper Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,501.54	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	32.26	
33 61 13 00-0382 EA 12" Diameter Preinsulated Type K Copper Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	3,202.38	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	42.69	
33 61 13 00-0383 Elbows <small>(33 61 13 00-0340)</small>		
<i>Note: With 2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.</i>		
33 61 13 00-0384 EA 3/4" Diameter Preinsulated Type K Copper Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	437.40	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	6.87	
33 61 13 00-0385 EA 1" Diameter Preinsulated Type K Copper Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	452.73	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	7.03	
33 61 13 00-0386 EA 1-1/4" Diameter Preinsulated Type K Copper Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	519.61	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	8.00	
33 61 13 00-0387 EA 1-1/2" Diameter Preinsulated Type K Copper Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	582.52	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	8.73	
33 61 13 00-0388 EA 2" Diameter Preinsulated Type K Copper Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	673.70	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	9.10	
33 61 13 00-0389 EA 2-1/2" Diameter Preinsulated Type K Copper Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	793.06	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	9.46	
33 61 13 00-0390 EA 3" Diameter Preinsulated Type K Copper Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	920.75	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	10.91	
33 61 13 00-0391 EA 4" Diameter Preinsulated Type K Copper Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,074.52	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	12.73	
33 61 13 00-0392 EA 5" Diameter Preinsulated Type K Copper Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,287.20	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	16.37	
33 61 13 00-0393 EA 6" Diameter Preinsulated Type K Copper Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,421.98	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	18.59	
33 61 13 00-0394 EA 8" Diameter Preinsulated Type K Copper Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,000.75	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	26.88	
33 61 13 00-0395 EA 10" Diameter Preinsulated Type K Copper Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,606.73	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	34.36	
33 61 13 00-0396 EA 12" Diameter Preinsulated Type K Copper Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	3,341.60	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	45.48	
33 61 13 00-0397 Tees <small>(33 61 13 00-0398)</small>		
33 61 13 00-0398 Tees <small>(33 61 13 00-0397)</small>		
<i>Note: With 1/2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.</i>		
33 61 13 00-0399 EA 3/4" Diameter Preinsulated Type K Copper Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	557.18	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	8.33	
33 61 13 00-0400 EA 1" Diameter Preinsulated Type K Copper Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	577.76	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	8.53	
33 61 13 00-0401 EA 1-1/4" Diameter Preinsulated Type K Copper Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	664.10	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	9.70	
33 61 13 00-0402 EA 1-1/2" Diameter Preinsulated Type K Copper Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	747.98	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	10.58	
33 61 13 00-0403 EA 2" Diameter Preinsulated Type K Copper Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	879.27	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	11.03	
33 61 13 00-0404 EA 2-1/2" Diameter Preinsulated Type K Copper Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,052.96	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	11.47	
33 61 13 00-0405 EA 3" Diameter Preinsulated Type K Copper Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,224.13	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	13.23	

33 Utilities**33 60 Hydronic And Steam Energy Utilities****33 61 Hydronic Energy Distribution**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 61	13 00-0406	EA	4" Diameter Preinsulated Type K Copper Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,428.62	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	15.44	
33 61	13 00-0407	EA	5" Diameter Preinsulated Type K Copper Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,697.78	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	19.85	
33 61	13 00-0408	EA	6" Diameter Preinsulated Type K Copper Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,865.67	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	22.54	
33 61	13 00-0409	EA	8" Diameter Preinsulated Type K Copper Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,613.20	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	32.59	
33 61	13 00-0410	EA	10" Diameter Preinsulated Type K Copper Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	3,417.76	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	41.65	
33 61	13 00-0411	EA	12" Diameter Preinsulated Type K Copper Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	4,357.70	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	55.13	
33 61	13 00-0412		Tees <small>(33 61 13 00-0397)</small>		
			Note: With 1" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
33 61	13 00-0413	EA	3/4" Diameter Preinsulated Type K Copper Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	588.42	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	8.96	
33 61	13 00-0414	EA	1" Diameter Preinsulated Type K Copper Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	609.73	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	9.17	
33 61	13 00-0415	EA	1-1/4" Diameter Preinsulated Type K Copper Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	700.49	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	10.43	
33 61	13 00-0416	EA	1-1/2" Diameter Preinsulated Type K Copper Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	787.68	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	11.38	
33 61	13 00-0417	EA	2" Diameter Preinsulated Type K Copper Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	920.62	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	11.85	
33 61	13 00-0418	EA	2-1/2" Diameter Preinsulated Type K Copper Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,095.96	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	12.33	
33 61	13 00-0419	EA	3" Diameter Preinsulated Type K Copper Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,273.75	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	14.22	
33 61	13 00-0420	EA	4" Diameter Preinsulated Type K Copper Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,486.50	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	16.59	
33 61	13 00-0421	EA	5" Diameter Preinsulated Type K Copper Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,772.21	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	21.33	
33 61	13 00-0422	EA	6" Diameter Preinsulated Type K Copper Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,950.20	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	24.23	
33 61	13 00-0423	EA	8" Diameter Preinsulated Type K Copper Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,735.40	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	35.03	
33 61	13 00-0424	EA	10" Diameter Preinsulated Type K Copper Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	3,573.96	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	44.78	
33 61	13 00-0425	EA	12" Diameter Preinsulated Type K Copper Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	4,564.43	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	59.26	
33 61	13 00-0426		Tees <small>(33 61 13 00-0397)</small>		
			Note: With 1-1/2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
33 61	13 00-0427	EA	3/4" Diameter Preinsulated Type K Copper Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	619.65	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	9.58	
33 61	13 00-0428	EA	1" Diameter Preinsulated Type K Copper Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	641.71	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	9.81	
33 61	13 00-0429	EA	1-1/4" Diameter Preinsulated Type K Copper Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	736.87	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	11.16	
33 61	13 00-0430	EA	1-1/2" Diameter Preinsulated Type K Copper Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	827.37	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	12.17	
33 61	13 00-0431	EA	2" Diameter Preinsulated Type K Copper Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	961.97	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	12.68	
33 61	13 00-0432	EA	2-1/2" Diameter Preinsulated Type K Copper Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,138.96	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	13.19	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 61 13 00-0433 EA 3" Diameter Preinsulated Type K Copper Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,323.36	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	15.22	
33 61 13 00-0434 EA 4" Diameter Preinsulated Type K Copper Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,544.39	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	17.75	
33 61 13 00-0435 EA 5" Diameter Preinsulated Type K Copper Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,846.63	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	22.82	
33 61 13 00-0436 EA 6" Diameter Preinsulated Type K Copper Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,035.09	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	25.92	
33 61 13 00-0437 EA 8" Diameter Preinsulated Type K Copper Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,856.67	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	37.48	
33 61 13 00-0438 EA 10" Diameter Preinsulated Type K Copper Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	3,728.11	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	47.90	
33 61 13 00-0439 EA 12" Diameter Preinsulated Type K Copper Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	4,773.53	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	63.40	
33 61 13 00-0440 Tees <small>(33 61 13 00-0397)</small>		
<i>Note: With 2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.</i>		
33 61 13 00-0441 EA 3/4" Diameter Preinsulated Type K Copper Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	650.89	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	10.20	
33 61 13 00-0442 EA 1" Diameter Preinsulated Type K Copper Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	673.68	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	10.45	
33 61 13 00-0443 EA 1-1/4" Diameter Preinsulated Type K Copper Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	773.25	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	11.89	
33 61 13 00-0444 EA 1-1/2" Diameter Preinsulated Type K Copper Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	867.06	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	12.97	
33 61 13 00-0445 EA 2" Diameter Preinsulated Type K Copper Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,003.31	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	13.51	
33 61 13 00-0446 EA 2-1/2" Diameter Preinsulated Type K Copper Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,181.96	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	14.05	
33 61 13 00-0447 EA 3" Diameter Preinsulated Type K Copper Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,372.98	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	16.21	
33 61 13 00-0448 EA 4" Diameter Preinsulated Type K Copper Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,602.27	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	18.91	
33 61 13 00-0449 EA 5" Diameter Preinsulated Type K Copper Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,921.05	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	24.31	
33 61 13 00-0450 EA 6" Diameter Preinsulated Type K Copper Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,119.62	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	27.61	
33 61 13 00-0451 EA 8" Diameter Preinsulated Type K Copper Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,978.87	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	39.92	
33 61 13 00-0452 EA 10" Diameter Preinsulated Type K Copper Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	3,884.31	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	51.02	
33 61 13 00-0453 EA 12" Diameter Preinsulated Type K Copper Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	4,980.26	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	67.53	
33 61 13 00-0454 Reducers <small>(33 61 13 00-0339)</small>		
33 61 13 00-0455 Reducers <small>(33 61 13 00-0454)</small>		
<i>Note: With 1/2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.</i>		
33 61 13 00-0456 EA 3/4" Diameter Preinsulated Type K Copper Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	317.25	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	4.66	
33 61 13 00-0457 EA 1" Diameter Preinsulated Type K Copper Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	329.20	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	4.77	
33 61 13 00-0458 EA 1-1/4" Diameter Preinsulated Type K Copper Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	378.63	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	5.42	
33 61 13 00-0459 EA 1-1/2" Diameter Preinsulated Type K Copper Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	427.10	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	5.92	
33 61 13 00-0460 EA 2" Diameter Preinsulated Type K Copper Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	505.07	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	6.16	

33 Utilities**33 60 Hydronic And Steam Energy Utilities****33 61 Hydronic Energy Distribution**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 61 13 00-0461 EA 2-1/2" Diameter Preinsulated Type K Copper Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	615.75	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	6.41	
33 61 13 00-0462 EA 3" Diameter Preinsulated Type K Copper Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	710.30	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	7.40	
33 61 13 00-0463 EA 4" Diameter Preinsulated Type K Copper Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	825.25	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	8.63	
33 61 13 00-0464 EA 5" Diameter Preinsulated Type K Copper Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	976.57	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	11.09	
33 61 13 00-0465 EA 6" Diameter Preinsulated Type K Copper Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,072.92	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	12.60	
33 61 13 00-0466 EA 8" Diameter Preinsulated Type K Copper Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,501.90	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	18.21	
33 61 13 00-0467 EA 10" Diameter Preinsulated Type K Copper Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,964.66	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	23.28	
33 61 13 00-0468 EA 12" Diameter Preinsulated Type K Copper Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,499.77	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	30.81	
33 61 13 00-0469 Reducers <small>(33 61 13 00-0454)</small>		
Note: With 1" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
33 61 13 00-0470 EA 3/4" Diameter Preinsulated Type K Copper Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	334.71	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	5.01	
33 61 13 00-0471 EA 1" Diameter Preinsulated Type K Copper Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	347.07	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	5.12	
33 61 13 00-0472 EA 1-1/4" Diameter Preinsulated Type K Copper Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	398.97	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	5.83	
33 61 13 00-0473 EA 1-1/2" Diameter Preinsulated Type K Copper Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	449.29	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	6.36	
33 61 13 00-0474 EA 2" Diameter Preinsulated Type K Copper Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	528.17	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	6.62	
33 61 13 00-0475 EA 2-1/2" Diameter Preinsulated Type K Copper Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	639.78	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	6.89	
33 61 13 00-0476 EA 3" Diameter Preinsulated Type K Copper Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	738.03	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	7.95	
33 61 13 00-0477 EA 4" Diameter Preinsulated Type K Copper Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	857.60	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	9.27	
33 61 13 00-0478 EA 5" Diameter Preinsulated Type K Copper Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,018.16	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	11.92	
33 61 13 00-0479 EA 6" Diameter Preinsulated Type K Copper Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,120.16	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	13.54	
33 61 13 00-0480 EA 8" Diameter Preinsulated Type K Copper Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,570.20	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	19.58	
33 61 13 00-0481 EA 10" Diameter Preinsulated Type K Copper Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,051.96	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	25.03	
33 61 13 00-0482 EA 12" Diameter Preinsulated Type K Copper Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,615.31	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	33.12	
33 61 13 00-0483 Reducers <small>(33 61 13 00-0454)</small>		
Note: With 1-1/2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
33 61 13 00-0484 EA 3/4" Diameter Preinsulated Type K Copper Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	352.17	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	5.35	
33 61 13 00-0485 EA 1" Diameter Preinsulated Type K Copper Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	364.95	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	5.48	
33 61 13 00-0486 EA 1-1/4" Diameter Preinsulated Type K Copper Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	419.30	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	6.24	
33 61 13 00-0487 EA 1-1/2" Diameter Preinsulated Type K Copper Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	471.47	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	6.80	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 61 13 00-0488 EA 2" Diameter Preinsulated Type K Copper Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	551.28	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	7.09	
33 61 13 00-0489 EA 2-1/2" Diameter Preinsulated Type K Copper Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	663.82	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	7.37	
33 61 13 00-0490 EA 3" Diameter Preinsulated Type K Copper Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	765.76	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	8.50	
33 61 13 00-0491 EA 4" Diameter Preinsulated Type K Copper Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	889.95	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	9.92	
33 61 13 00-0492 EA 5" Diameter Preinsulated Type K Copper Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,059.76	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	12.76	
33 61 13 00-0493 EA 6" Diameter Preinsulated Type K Copper Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,167.60	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	14.49	
33 61 13 00-0494 EA 8" Diameter Preinsulated Type K Copper Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,638.16	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	20.95	
33 61 13 00-0495 EA 10" Diameter Preinsulated Type K Copper Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,138.98	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	26.77	
33 61 13 00-0496 EA 12" Diameter Preinsulated Type K Copper Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,731.07	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	35.43	
33 61 13 00-0497 Reducers <small>(33 61 13 00-0454)</small>		
Note: With 2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
33 61 13 00-0498 EA 3/4" Diameter Preinsulated Type K Copper Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	369.63	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	5.70	
33 61 13 00-0499 EA 1" Diameter Preinsulated Type K Copper Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	382.82	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	5.84	
33 61 13 00-0500 EA 1-1/4" Diameter Preinsulated Type K Copper Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	439.64	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	6.64	
33 61 13 00-0501 EA 1-1/2" Diameter Preinsulated Type K Copper Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	493.66	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	7.25	
33 61 13 00-0502 EA 2" Diameter Preinsulated Type K Copper Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	574.39	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	7.55	
33 61 13 00-0503 EA 2-1/2" Diameter Preinsulated Type K Copper Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	687.85	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	7.85	
33 61 13 00-0504 EA 3" Diameter Preinsulated Type K Copper Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	793.49	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	9.06	
33 61 13 00-0505 EA 4" Diameter Preinsulated Type K Copper Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	922.31	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	10.57	
33 61 13 00-0506 EA 5" Diameter Preinsulated Type K Copper Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,101.36	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	13.59	
33 61 13 00-0507 EA 6" Diameter Preinsulated Type K Copper Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,214.84	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	15.43	
33 61 13 00-0508 EA 8" Diameter Preinsulated Type K Copper Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,706.46	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	22.31	
33 61 13 00-0509 EA 10" Diameter Preinsulated Type K Copper Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,226.29	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	28.52	
33 61 13 00-0510 EA 12" Diameter Preinsulated Type K Copper Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,846.62	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	37.75	
33 61 13 00-0511 Preinsulated Ductile Iron Carrier Pipe <small>(33 61 13 00-0052)</small>		
Note: With polyurethane insulation and non-metallic casing. Excludes excavation or backfill.		
33 61 13 00-0512 Ductile Iron Carrier Pipe <small>(33 61 13 00-0511)</small>		
Note: With 1" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
33 61 13 00-0513 LF 4" Diameter Preinsulated Ductile Iron Pipe With 1" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket	103.98	
33 61 13 00-0514 LF 6" Diameter Preinsulated Ductile Iron Pipe With 1" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket	151.47	
33 61 13 00-0515 LF 8" Diameter Preinsulated Ductile Iron Pipe With 1" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket	199.62	
33 61 13 00-0516 LF 10" Diameter Preinsulated Ductile Iron Pipe With 1" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket	250.24	

33 Utilities**33 60 Hydronic And Steam Energy Utilities****33 61 Hydronic Energy Distribution**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 61 13 00-0517	LF	12" Diameter Preinsulated Ductile Iron Pipe With 1" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket.....	310.13	
33 61 13 00-0518		Ductile Iron Carrier Pipe <small>(33 61 13 00-0511)</small> Note: With 2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
33 61 13 00-0519	LF	4" Diameter Preinsulated Ductile Iron Pipe With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket.....	109.12	
33 61 13 00-0520	LF	6" Diameter Preinsulated Ductile Iron Pipe With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket.....	159.11	
33 61 13 00-0521	LF	8" Diameter Preinsulated Ductile Iron Pipe With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket.....	210.73	
33 61 13 00-0522	LF	10" Diameter Preinsulated Ductile Iron Pipe With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket.....	264.90	
33 61 13 00-0523	LF	12" Diameter Preinsulated Ductile Iron Pipe With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket.....	328.41	
33 61 13 00-0524	LF	14" Diameter Preinsulated Ductile Iron Pipe With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket.....	357.69	
33 61 13 00-0525	LF	16" Diameter Preinsulated Ductile Iron Pipe With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket.....	399.43	
33 61 13 00-0526	LF	18" Diameter Preinsulated Ductile Iron Pipe With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket.....	445.46	
33 61 13 00-0527	LF	20" Diameter Preinsulated Ductile Iron Pipe With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket.....	487.44	
33 61 13 00-0528	LF	24" Diameter Preinsulated Ductile Iron Pipe With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket.....	569.60	
33 61 13 00-0529		Preinsulated Ductile Iron Fittings <small>(33 61 13 00-0522)</small>		
33 61 13 00-0530		Elbows <small>(33 61 13 00-0529)</small>		
33 61 13 00-0531		Elbows <small>(33 61 13 00-0530)</small> Note: With 1" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
33 61 13 00-0532	EA	4" Diameter Preinsulated Ductile Iron Elbow With 1" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket.....	958.47	
33 61 13 00-0533	EA	6" Diameter Preinsulated Ductile Iron Elbow With 1" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket.....	1,230.12	
33 61 13 00-0534	EA	8" Diameter Preinsulated Ductile Iron Elbow With 1" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket.....	1,715.71	
33 61 13 00-0535	EA	10" Diameter Preinsulated Ductile Iron Elbow With 1" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket.....	2,250.10	
33 61 13 00-0536	EA	12" Diameter Preinsulated Ductile Iron Elbow With 1" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket.....	2,852.33	
33 61 13 00-0537		Elbows <small>(33 61 13 00-0530)</small> Note: With 2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
33 61 13 00-0538	EA	4" Diameter Preinsulated Ductile Iron Elbow With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket.....	1,021.95	
33 61 13 00-0539	EA	6" Diameter Preinsulated Ductile Iron Elbow With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket.....	1,322.81	
33 61 13 00-0540	EA	8" Diameter Preinsulated Ductile Iron Elbow With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket.....	1,849.72	
33 61 13 00-0541	EA	10" Diameter Preinsulated Ductile Iron Elbow With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket.....	2,421.39	
33 61 13 00-0542	EA	12" Diameter Preinsulated Ductile Iron Elbow With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket.....	3,079.03	
33 61 13 00-0543	EA	14" Diameter Preinsulated Ductile Iron Elbow With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket.....	3,730.51	
33 61 13 00-0544	EA	16" Diameter Preinsulated Ductile Iron Elbow With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket.....	4,379.12	
33 61 13 00-0545	EA	18" Diameter Preinsulated Ductile Iron Elbow With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket.....	5,456.36	
33 61 13 00-0546	EA	20" Diameter Preinsulated Ductile Iron Elbow With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket.....	6,944.53	
33 61 13 00-0547	EA	24" Diameter Preinsulated Ductile Iron Elbow With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket.....	9,119.04	
33 61 13 00-0548		Tees <small>(33 61 13 00-0529)</small>		
33 61 13 00-0549		Tees <small>(33 61 13 00-0548)</small> Note: With 1" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
33 61 13 00-0550	EA	4" Diameter Preinsulated Ductile Iron Tee With 1" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket.....	1,430.88	
33 61 13 00-0551	EA	6" Diameter Preinsulated Ductile Iron Tee With 1" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket.....	1,836.01	
33 61 13 00-0552	EA	8" Diameter Preinsulated Ductile Iron Tee With 1" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket.....	2,557.77	
33 61 13 00-0553	EA	10" Diameter Preinsulated Ductile Iron Tee With 1" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket.....	3,358.54	
33 61 13 00-0554	EA	12" Diameter Preinsulated Ductile Iron Tee With 1" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket.....	4,254.12	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 61 13 00-0555				Tees <small>(33 61 13 00-0548)</small> Note: With 2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
				33 61 13 00-0556 EA 4" Diameter Preinsulated Ductile Iron Tee With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket.....	1,525.15	
				33 61 13 00-0557 EA 6" Diameter Preinsulated Ductile Iron Tee With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket.....	1,973.66	
				33 61 13 00-0558 EA 8" Diameter Preinsulated Ductile Iron Tee With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket.....	2,756.77	
				33 61 13 00-0559 EA 10" Diameter Preinsulated Ductile Iron Tee With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket.....	3,612.90	
				33 61 13 00-0560 EA 12" Diameter Preinsulated Ductile Iron Tee With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket.....	4,590.77	
				33 61 13 00-0561 EA 14" Diameter Preinsulated Ductile Iron Tee With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket.....	5,418.97	
				33 61 13 00-0562 EA 16" Diameter Preinsulated Ductile Iron Tee With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket.....	6,362.97	
				33 61 13 00-0563 EA 18" Diameter Preinsulated Ductile Iron Tee With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket.....	7,929.66	
				33 61 13 00-0564 EA 20" Diameter Preinsulated Ductile Iron Tee With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket.....	10,099.78	
				33 61 13 00-0565 EA 24" Diameter Preinsulated Ductile Iron Tee With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket.....	13,263.34	
33 61 13 00-0566				Reducers <small>(33 61 13 00-0529)</small>		
33 61 13 00-0567				Reducers <small>(33 61 13 00-0566)</small> Note: With 1" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
				33 61 13 00-0568 EA 4" Diameter Preinsulated Ductile Iron Reducer With 1" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket.....	830.56	
				33 61 13 00-0569 EA 6" Diameter Preinsulated Ductile Iron Reducer With 1" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket.....	1,060.80	
				33 61 13 00-0570 EA 8" Diameter Preinsulated Ductile Iron Reducer With 1" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket.....	1,477.08	
				33 61 13 00-0571 EA 10" Diameter Preinsulated Ductile Iron Reducer With 1" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket.....	1,939.59	
				33 61 13 00-0572 EA 12" Diameter Preinsulated Ductile Iron Reducer With 1" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket.....	2,451.49	
33 61 13 00-0573				Reducers <small>(33 61 13 00-0566)</small> Note: With 2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
				33 61 13 00-0574 EA 4" Diameter Preinsulated Ductile Iron Reducer With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket.....	883.24	
				33 61 13 00-0575 EA 6" Diameter Preinsulated Ductile Iron Reducer With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket.....	1,137.74	
				33 61 13 00-0576 EA 8" Diameter Preinsulated Ductile Iron Reducer With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket.....	1,588.30	
				33 61 13 00-0577 EA 10" Diameter Preinsulated Ductile Iron Reducer With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket.....	2,081.75	
				33 61 13 00-0578 EA 12" Diameter Preinsulated Ductile Iron Reducer With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket.....	2,639.65	
				33 61 13 00-0579 EA 14" Diameter Preinsulated Ductile Iron Reducer With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket.....	3,112.71	
				33 61 13 00-0580 EA 16" Diameter Preinsulated Ductile Iron Reducer With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket.....	3,649.35	
				33 61 13 00-0581 EA 18" Diameter Preinsulated Ductile Iron Reducer With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket.....	4,510.91	
				33 61 13 00-0582 EA 20" Diameter Preinsulated Ductile Iron Reducer With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket.....	5,792.31	
				33 61 13 00-0583 EA 24" Diameter Preinsulated Ductile Iron Reducer With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket.....	7,629.47	
33 61 13 00-0584				Tempered Water Piping Pre-Insulated <small>(33 61 13 00-0052)</small>		
33 61 13 00-0585				Fiberglass Reinforced Polyester (FRP) Carrier And Casing, 1" Polyurethane Insulation <small>(33 61 13 00-0584)</small>		
				33 61 13 00-0586 LF 4" Fiberglass Reinforced Polyester (FRP) Carrier And Casing With 1" Polyurethane Insulation.....	54.04	20.86
				33 61 13 00-0587 LF 6" Fiberglass Reinforced Polyester (FRP) Carrier And Casing With 1" Polyurethane Insulation.....	66.84	24.52
				33 61 13 00-0588 LF 8" Fiberglass Reinforced Polyester (FRP) Carrier And Casing With 1" Polyurethane Insulation.....	84.30	25.37
				33 61 13 00-0589 LF 10" Fiberglass Reinforced Polyester (FRP) Carrier And Casing With 1" Polyurethane Insulation.....	110.88	31.72
				33 61 13 00-0590 LF 12" Fiberglass Reinforced Polyester (FRP) Carrier And Casing With 1" Polyurethane Insulation.....	140.85	39.11
33 61 13 00-0591				Fiberglass Reinforced Polyester (FRP) Carrier And Polyvinyl Chloride (PVC) Casing, 1" Polyurethane Insulation <small>(33 61 13 00-0584)</small>		
				33 61 13 00-0592 LF 4" Fiberglass Reinforced Polyester (FRP) Carrier And Polyvinyl Chloride (PVC) Casing With 1" Polyurethane Insulation.....	43.49	24.52
				33 61 13 00-0593 LF 6" Fiberglass Reinforced Polyester (FRP) Carrier And Polyvinyl Chloride (PVC) Casing With 1" Polyurethane Insulation.....	45.63	24.52

33 Utilities**33 60 Hydronic And Steam Energy Utilities****33 61 Hydronic Energy Distribution**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 61 13 00-0594 LF 8" Fiberglass Reinforced Polyester (FRP) Carrier And Polyvinyl Chloride (PVC) Casing With 1" Polyurethane Insulation	47.63	24.52
33 61 13 00-0595 LF 10" Fiberglass Reinforced Polyester (FRP) Carrier And Polyvinyl Chloride (PVC) Casing With 1" Polyurethane Insulation	57.22	28.98
33 61 13 00-0596 LF 12" Fiberglass Reinforced Polyester (FRP) Carrier And Polyvinyl Chloride (PVC) Casing With 1" Polyurethane Insulation	70.38	36.78
33 61 13 00-0597 Polyvinyl Chloride (PVC) Carrier And Casing, 1" Polyurethane Insulation ^(33 61)		
13 00-0594		
33 61 13 00-0598 LF 4" Polyvinyl Chloride (PVC) Carrier And Casing With 1" Polyurethane Insulation	43.49	24.52
33 61 13 00-0599 LF 6" Polyvinyl Chloride (PVC) Carrier And Casing With 1" Polyurethane Insulation	45.63	24.52
33 61 13 00-0600 LF 8" Polyvinyl Chloride (PVC) Carrier And Casing With 1" Polyurethane Insulation	47.63	24.52
33 61 13 00-0601 LF 10" Polyvinyl Chloride (PVC) Carrier And Casing With 1" Polyurethane Insulation	57.22	28.98
33 61 13 00-0602 LF 12" Polyvinyl Chloride (PVC) Carrier And Casing With 1" Polyurethane Insulation	70.38	36.78
33 70 Electrical Utilities ⁽³³⁾		
33 71 Electrical Utility Transmission And Distribution ^(33 70)		
33 71 19 Electrical Underground Ducts, Ductbanks and Manholes ^(33 71)		
Note: Excludes excavation and backfill. See CSI section 31 23 16 00-0000 for excavation, 31 23 16 36-0016 for backfill.		
33 71 19 00-0001 Electrical Handholes And Pull Boxes ^(33 71 19)		
33 71 19 00-0002 Electrical Pull Boxes ^(33 71 19 00-0001)		
See CSI section 33 05 63 00-0427 for handholes.		
33 71 19 00-0003 EA 24" x 36" x 24", Electric Pull Boxes, Precast Concrete	1,521.65	
33 71 19 00-0004 EA 24" x 36" x 36", Electric Pull Boxes, Precast Concrete	1,821.32	
33 71 19 00-0005 EA 30" x 48" x 36", Electric Pull Boxes, Precast Concrete	2,107.52	
33 71 19 00-0006 EA 36" x 72" x 24", Electric Pull Boxes, Precast Concrete	3,271.48	
33 71 19 00-0007 EA 36" x 60" x 36", Electric Pull Boxes, Precast Concrete	3,488.36	
33 71 19 00-0008 EA 48" x 48" x 36", Electric Pull Boxes, Precast Concrete	3,751.13	
33 71 19 00-0009 EA 48" x 60" x 48", Electric Pull Boxes, Precast Concrete	4,315.30	
33 71 19 00-0010 Electrical Pull Boxes (CALTRANS) ^(33 71 19 00-0001)		
33 71 19 00-0011 EA Body, CALTRANS 3-1/2 Precast Concrete Pull Box	94.97	
33 71 19 00-0012 EA Concrete Cover, CALTRANS 3-1/2 Precast Concrete Pull Box	32.03	
33 71 19 00-0013 EA Bolt Down Concrete Cover, CALTRANS 3-1/2 Precast Concrete Pull Box	51.96	
33 71 19 00-0014 EA Bolt Down Cast Iron Cover, CALTRANS 3-1/2 Precast Concrete Pull Box	96.78	
33 71 19 00-0015 EA Bolt Down Steel Cover, CALTRANS 3-1/2 Precast Concrete Pull Box	143.26	
For Galvanized Steel Cover, Add	22.50	
33 71 19 00-0016 EA 12" Extension, CALTRANS 3-1/2 Precast Concrete Pull Box	44.81	
33 71 19 00-0017 EA Flat Plate Base, CALTRANS 3-1/2 Precast Concrete Pull Box	44.81	
33 71 19 00-0018 EA Body, CALTRANS 5 Precast Concrete Pull Box	137.92	
33 71 19 00-0019 EA Concrete Cover, CALTRANS 5 Precast Concrete Pull Box	40.83	
33 71 19 00-0020 EA Bolt Down Concrete Cover, CALTRANS 5 Precast Concrete Pull Box	60.76	
33 71 19 00-0021 EA Bolt Down Steel Cover, CALTRANS 5 Precast Concrete Pull Box	186.16	
For Galvanized Steel Cover, Add	41.25	
33 71 19 00-0022 EA 12" Extension, CALTRANS 5 Precast Concrete Pull Box	58.56	
33 71 19 00-0023 EA Flat Plate Base, CALTRANS 5 Precast Concrete Pull Box	55.54	
33 71 19 00-0024 EA Body, CALTRANS 6 Precast Concrete Pull Box	146.72	
33 71 19 00-0025 EA Concrete Cover, CALTRANS 6 Precast Concrete Pull Box	52.65	
33 71 19 00-0026 EA Bolt Down Concrete Cover, CALTRANS 6 Precast Concrete Pull Box	72.58	
33 71 19 00-0027 EA Bolt Down Steel Cover, CALTRANS 6 Precast Concrete Pull Box	251.06	
For Galvanized Steel Cover, Add	57.75	
33 71 19 00-0028 EA 12" Extension, CALTRANS 6 Precast Concrete Pull Box	67.36	
33 71 19 00-0029 EA Flat Plate Base, CALTRANS 6 Precast Concrete Pull Box	64.06	
33 71 19 00-0030 EA 6" Return Flat Plate Base, CALTRANS 6 Precast Concrete Pull Box	83.86	
33 71 19 00-0031 EA Body, CALTRANS 3-1/2-T Precast Concrete Pull Box	175.55	
33 71 19 00-0032 EA Bolt Down Concrete Cover, CALTRANS 3-1/2-T Precast Concrete Pull Box	221.36	
33 71 19 00-0033 EA 12" Extension, CALTRANS 3-1/2-T Precast Concrete Pull Box	78.36	
33 71 19 00-0034 EA Flat Plate Base, CALTRANS 3-1/2-T Precast Concrete Pull Box	72.86	
33 71 19 00-0035 EA Body, CALTRANS 5-T Precast Concrete Pull Box	234.72	
33 71 19 00-0036 EA Bolt Down Concrete Cover, CALTRANS 5-T Precast Concrete Pull Box	314.86	
33 71 19 00-0037 EA 12" Extension, CALTRANS 5-T Precast Concrete Pull Box	91.56	
33 71 19 00-0038 EA Flat Plate Base, CALTRANS 5-T Precast Concrete Pull Box	89.36	
33 71 19 00-0039 EA Body, CALTRANS 6-T Precast Concrete Pull Box	315.02	
33 71 19 00-0040 EA Bolt Down Concrete Cover, CALTRANS 6-T Precast Concrete Pull Box	435.86	
33 71 19 00-0041 EA 12" Extension, CALTRANS 6-T Precast Concrete Pull Box	146.56	
33 71 19 00-0042 EA Flat Plate Base, CALTRANS 6-T Precast Concrete Pull Box	116.86	
33 71 19 00-0043 Electrical Property Line Boxes ^(33 71 19)		
33 71 19 00-0044 EA 3'-6" x 2'-9" x 2' Deep Property Line Box	3,002.39	310.11
33 71 19 00-0045 EA 4'-6" x 3'-6" x 4' Deep Property Line Box	3,511.88	321.59
33 71 19 00-0046 EA 6' x 4' x 5' Deep Property Line Box	3,867.79	390.51
33 71 19 00-0047 EA 11'-6" x 4'-6" x 6' Deep Property Line Box	5,912.93	574.27



Utilities	33	33
Electrical Utilities	33 70	
Electrical Utility Transmission And Distribution	33 71	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 71 19 00-0048 Underground Electrical Concrete Markers <small>(33 71 19)</small>		
33 71 19 00-0049 EA 36" x 6" x 6", Underground Electric Concrete Marker	311.22	
33 71 19 00-0050 Manhole Accessories <small>(33 71 19)</small>		
33 71 19 00-0051 EA 6" Precast Grade Ring Riser Casting.....	433.01	
33 71 19 00-0052 EA 12" Precast Grade Ring Riser Casting.....	468.93	
33 71 19 00-0053 EA 36" Opening Cast Iron Frame And Cover NEENAH #R-1640-D.....	1,288.78	
33 71 19 00-0054 EA 42" Opening Cast Iron Frame And Cover NEENAH #R-1740-E1.....	1,672.34	
33 71 19 00-0055 EA Cast Iron Adjusting Ring NEENAH #R-1979.....	586.30	
33 71 19 00-0056 EA Cast Iron Frame And Cover NEENAH #R-1640-B.....	728.53	

END OF SECTION 33

33 Utilities

33 70 Electrical Utilities

33 71 Electrical Utility Transmission And Distribution

MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

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MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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34 Transportation

34 40 Transportation Signaling and Control Equipment ⁽³⁴⁾

34 41 Roadway Signaling and Control Equipment ^(34 40)

34 41 13 Traffic Signals ^(34 41)

34 41 13 00-0001 Traffic Signals ^(34 41 13)

34 41 13 00-0002	EA	Single Traffic Signal Head, 4 Way Pattern.....	5,027.30	666.04
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34 41 13 00-0003 Traffic Detector Induction Loop ^(34 41 13)

34 41 13 00-0004	EA	6' x 6', Type A, 3 Turns Per Loop, Traffic Detector Induction Loop..... Note: Includes saw cutting, 3 turns wire for 1 induction loop circuit, sealing and splicing into leads in street. Excludes lead wire, controller, junction box or conduit.	322.79	
34 41 13 00-0005	EA	6' x 6', Type D, 3 Turns Per Loop, Traffic Detector Induction Loop..... Note: Includes saw cutting, 3 turns wire for 1 induction loop circuit, sealing and splicing into leads in street. Excludes lead wire, controller, junction box or conduit.	402.97	
34 41 13 00-0006	EA	6' x 6', Type D, 5 Turns Per Loop, Traffic Detector Induction Loop..... Note: Includes saw cutting, 5 turns wire for 1 induction loop circuit, sealing and splicing into leads in street. Excludes lead wire, controller, junction box or conduit.	455.16	
34 41 13 00-0007	EA	6' x 6', Type Q, 3 Turns Per Loop, Traffic Detector Induction Loop..... Note: Includes saw cutting, 3 turns wire for 1 induction loop circuit, sealing and splicing into leads in street. Excludes lead wire, controller, junction box or conduit.	396.55	
34 41 13 00-0008	EA	6' x 20', Type C, 3 Turns Per Loop, Traffic Detector Induction Loop..... Note: Includes saw cutting, 3 turns wire for 1 induction loop circuit, sealing and splicing into leads in street. Excludes lead wire, controller, junction box or conduit.	688.20	
34 41 13 00-0009	EA	6' x 28', Type C, 2 Turns Per Loop, Traffic Detector Induction Loop..... Note: Includes saw cutting, 2 turns wire for 1 induction loop circuit, sealing and splicing into leads in street. Excludes lead wire, controller, junction box or conduit.	846.78	
34 41 13 00-0010	EA	6' x 28', Type C, 3 Turns Per Loop, Traffic Detector Induction Loop..... Note: Includes saw cutting, 3 turns wire for 1 induction loop circuit, sealing and splicing into leads in street. Excludes lead wire, controller, junction box or conduit.	900.03	
34 41 13 00-0011	EA	6' x 40', Type C, 1 Turn Per Loop, Traffic Detector Induction Loop..... Note: Includes saw cutting, 1 turn wire for 1 induction loop circuit, sealing and splicing into leads in street. Excludes lead wire, controller, junction box or conduit.	1,113.73	
34 41 13 00-0012	EA	6' x 40', Type C, 2 Turns Per Loop, Traffic Detector Induction Loop..... Note: Includes saw cutting, 2 turns wire for 1 induction loop circuit, sealing and splicing into leads in street. Excludes lead wire, controller, junction box or conduit.	1,192.96	
34 41 13 00-0013	EA	6' x 50', Type C, 1 Turn Per Loop, Traffic Detector Induction Loop..... Note: Includes saw cutting, 1 turn wire for 1 induction loop circuit, sealing and splicing into leads in street. Excludes lead wire, controller, junction box or conduit.	1,290.51	
34 41 13 00-0014	EA	6' x 50', Type C, 2 Turns Per Loop, Traffic Detector Induction Loop..... Note: Includes saw cutting, 2 turns wire for 1 induction loop circuit, sealing and splicing into leads in street. Excludes lead wire, controller, junction box or conduit.	1,387.31	
34 41 13 00-0015	LF	In Pavement, Lead Wire For Traffic Signal Detector..... Note: Includes saw cutting, sealing and splicing into traffic signal loop wire in street. Excludes junction box or conduit.	5.65	
34 41 13 00-0016	LF	In Earthwork, Lead Wire For Traffic Signal Detector..... Note: Includes trenching in earthwork and splicing into traffic signal loop wire. Excludes junction box or conduit.	2.63	
34 41 13 00-0017	EA	2 Channel, Rack Mounted, Traffic Loop Vehicle Detector (Reno A&E Model 222).....	160.72	
34 41 13 00-0018	EA	4 Channel, Rack Mounted, Traffic Loop Vehicle Detector (Reno A&E Model E-1100).....	418.84	
34 41 13 00-0019	EA	2 Channel, Rack Mounted, Traffic Loop Bicycle Detector (Reno A&E Model C-1100).....	267.39	

34 41 13 00-0020 Overhead Traffic Signals ^(34 41 13)

34 41 13 00-0021	EA	Vehicle Signal Face, LED, 1 - 12" Section.....	398.17	141.53
34 41 13 00-0022	EA	Vehicle Signal Face, LED, 2 - 12" Sections.....	626.40	199.81
34 41 13 00-0023	EA	Vehicle Signal Face, LED, 3 - 12" Sections.....	853.10	244.22
34 41 13 00-0024	EA	Vehicle Signal Face, LED, 3 - 12" Sections, Middle Section Blank.....	818.91	244.22
34 41 13 00-0025	EA	Vehicle Signal Face, LED, 4 - 12" Sections.....	1,056.76	271.96
34 41 13 00-0026	EA	Vehicle Signal Face, LED, 5 - 12" Sections.....	1,238.21	288.62
34 41 13 00-0027	EA	Vehicle Signal Face, LED, 5 - 12" Sections, Cluster.....	1,304.30	288.62
34 41 13 00-0028	EA	Vehicle Signal Face, LED, 1 - 8" Section.....	381.08	141.53
34 41 13 00-0029	EA	Vehicle Signal Face, LED, 2 - 8" Sections.....	592.21	199.81
34 41 13 00-0030	EA	Vehicle Signal Face, LED, 3 - 8" Sections.....	769.91	244.22
34 41 13 00-0031	EA	Vehicle Signal Face, LED, 2 - 8" Sections, 1 - 12" Section.....	812.08	244.22
34 41 13 00-0032	EA	Vehicle Signal Face, LED, 2 - 8" Sections, 2 - 12" Sections.....	983.83	271.96
34 41 13 00-0033	EA	Vehicle Signal Face, LED, 3 - 8" Sections, 1 - 12" Section.....	959.89	271.96
34 41 13 00-0034	EA	Vehicle Signal Face, LED, 3 - 8" Sections, 2 - 12" Sections.....	1,112.85	288.62
34 41 13 00-0035	EA	Vehicle Signal Face, LED, 3 - 8" Sections, 2 - 12" Sections In Cluster.....	1,166.41	288.62
34 41 13 00-0036	EA	Vehicle Signal Face, LED, 3 - 12" Sections, Optically Programmed.....	1,559.65	244.22
34 41 13 00-0037	EA	Vehicle Signal Face, LED, 4 - 12" Sections, Optically Programmed.....	2,006.05	271.96
34 41 13 00-0038	EA	Vehicle Signal Face, LED, 5 - 12" Sections, Optically Programmed.....	2,571.54	288.62
34 41 13 00-0039	EA	Vehicle Signal Face, LED, 5 - 12" Sections In Cluster, Optically Programmed.....	2,770.97	288.62
34 41 13 00-0040	EA	Bracket Signal Mounting Assembly.....	365.60	111.01
34 41 13 00-0041	EA	Mast Arm Signal Mounting Assembly.....	665.11	222.01
34 41 13 00-0042	EA	Top Pole Signal Mounting Assembly.....	237.17	83.25
34 41 13 00-0043	EA	Pedestrian Signal Head.....	640.72	166.51

34 Transportation**34 40 Transportation Signaling and Control Equipment****34 41 Roadway Signaling and Control Equipment**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
34 41 13 00-0044 EA Pedestrian Signal Insert.....	381.89	83.25
34 41 13 00-0045 EA Audible Pedestrian Signal.....	975.32	
34 41 13 00-0046 EA Junction Box, Pole Or Post Mounted.....	389.45	
34 41 13 00-0047 EA Pedestrian Push Button.....	366.16	
34 41 13 00-0048 EA Illuminated Sign, Bracket Mounted, Symbolic.....	2,706.27	
34 41 13 00-0049 EA Illuminated Sign, Mast Arm Mounted, Symbolic.....	2,834.07	
34 41 13 00-0050 EA Sign, Message, "BLANK OUT", Bracket Mounted.....	2,965.34	
34 41 13 00-0051 EA Sign, Message, "BLANK OUT", Mast Arm Mounted.....	3,159.56	
34 41 13 00-0052 EA Sign, Fiber Optic, Bracket Mounted.....	3,357.90	
34 41 13 00-0053 EA Sign, Fiber Optic, Mast Arm Mounted.....	3,556.25	
34 41 13 00-0054 EA 16' Pedestal With Base Plate And Cover.....	996.88	158.42
34 41 13 00-0055 EA 30' Type 15TS Signal And Lighting Standard.....	5,094.93	
Note: 8" diameter base and 3-7/8" diameter top. 0.1793" wall thickness.		
34 41 13 00-0056 EA 35' Type 21TS Signal And Lighting Standard.....	5,885.25	
Note: 9-3/8" diameter base and 3-9/16" diameter top. 0.1793" wall thickness.		
34 41 13 00-0057 EA 17' Type 18-2-100 Signal And Lighting Standard.....	2,905.38	
Note: 10-3/4" diameter base and 8-7/16" diameter top. 0.1793" wall thickness.		
34 41 13 00-0058 EA 17' Type 18-3-100 Signal And Lighting Standard.....	3,210.52	
Note: 10-3/4" diameter base and 8-7/16" diameter top. 0.2391" wall thickness.		
34 41 13 00-0059 EA 17' Type 18-4-100 Or 23-4-100 Signal And Lighting Standard.....	3,327.50	
Note: 12" diameter base and 9" diameter top. 0.2391" wall thickness.		
34 41 13 00-0060 EA 17' Type 23-3-100 Signal And Lighting Standard.....	3,327.50	
Note: 12" diameter base and 9-5/8" diameter top. 0.2391" wall thickness.		
34 41 13 00-0061 EA 17' Type 23-4-100 Signal And Lighting Standard.....	3,388.91	
Note: 12" diameter base and 9-5/8" diameter top. 0.2391" wall thickness.		
34 41 13 00-0062 EA 17' Type 27-3-100 Signal And Lighting Standard.....	3,695.97	
Note: 12-1/8" diameter base and 9-3/4" diameter top. 0.3125" wall thickness.		
34 41 13 00-0063 EA 17' Type 27-4-100 Signal And Lighting Standard.....	3,766.58	
Note: 13-1/2" diameter base and 9-3/4" diameter top. 0.3125" wall thickness.		
34 41 13 00-0064 EA 17' Type 28-5-100 Signal And Lighting Standard.....	3,911.36	
Note: 14" diameter base and 11-11/16" diameter top. 0.3125" wall thickness.		
34 41 13 00-0065 EA 17' Type 60-5-100 Signal And Lighting Standard.....	4,139.39	
Note: 16" diameter base and 13-11/16" diameter top. 0.3125" wall thickness.		
34 41 13 00-0066 EA 18'-6" Type 16-2-100 Or 16-3-100 Signal And Lighting Standard.....	3,084.89	
Note: 10-3/4" diameter base and 8-1/4" diameter top. 0.1793" wall thickness.		
34 41 13 00-0067 EA 30' Type 17-2-100 Or 17-3-100 Signal And Lighting Standard.....	5,415.33	
Note: 10-3/4" diameter base and 6-5/8" diameter top. 0.1793" wall thickness.		
34 41 13 00-0068 EA 30' Type 19-2-100 Signal And Lighting Standard.....	6,056.13	
Note: 10-3/4" diameter base and 6-5/8" diameter top. 0.2391" wall thickness.		
34 41 13 00-0069 EA 30' Type 19-3-100 Or 24-3-100 Signal And Lighting Standard.....	6,301.78	
Note: 12" diameter base and 7-7/8" diameter top. 0.2391" wall thickness.		
34 41 13 00-0070 EA 30' Type 19-4-100 Or 24-4-100 Signal And Lighting Standard.....	6,301.78	
Note: 12" diameter base and 8" diameter top. 0.2391" wall thickness.		
34 41 13 00-0071 EA 30' Type 26-3-100 Signal And Lighting Standard.....	7,075.54	
Note: 12-1/8" diameter base and 8" diameter top. 0.3125" wall thickness.		
34 41 13 00-0072 EA 30' Type 26-4-100 Signal And Lighting Standard.....	7,372.16	
Note: 13-1/2" diameter base and 8" diameter top. 0.3125" wall thickness.		
34 41 13 00-0073 EA 30' Type 29-5-100 Signal And Lighting Standard.....	7,683.59	
Note: 14" diameter base and 9-7/8" diameter top. 0.3125" wall thickness.		
34 41 13 00-0074 EA 30' Type 61-5-100 Signal And Lighting Standard.....	8,174.13	
Note: 16" diameter base and 11-7/8" diameter top. 0.3125" wall thickness.		
34 41 13 00-0075 EA 35' Type 17A-2-100 Signal And Lighting Standard.....	6,290.67	
Note: 10-3/4" diameter base and 5-15/16" diameter top. 0.1793" wall thickness.		
34 41 13 00-0076 EA 35' Type 19A-2-100 Signal And Lighting Standard.....	7,038.27	
Note: 10-3/4" diameter base and 5-15/16" diameter top. 0.2391" wall thickness.		
34 41 13 00-0077 EA 35' Type 19A-3-100 Or 24A-3-100 Signal And Lighting Standard.....	7,324.86	
Note: 12" diameter base and 7-3/16" diameter top. 0.2391" wall thickness.		
34 41 13 00-0078 EA 35' Type 19A-4-100 Or 24A-4-100 Signal And Lighting Standard.....	7,324.86	
Note: 12" diameter base and 7-5/16" diameter top. 0.2391" wall thickness.		
34 41 13 00-0079 EA 35' Type 26A-3-100 Signal And Lighting Standard.....	8,227.58	
Note: 12-1/8" diameter base and 7-5/16" diameter top. 0.3125" wall thickness.		
34 41 13 00-0080 EA 35' Type 26A-4-100 Signal And Lighting Standard.....	8,573.64	
Note: 13-1/2" diameter base and 7-5/16" diameter top. 0.3125" wall thickness.		
34 41 13 00-0081 EA 35' Type 29A-5-100 Signal And Lighting Standard.....	8,936.98	
Note: 14" diameter base and 9-3/16" diameter top. 0.3125" wall thickness.		
34 41 13 00-0082 EA 35' Type 61A-5-100 Signal And Lighting Standard.....	9,509.25	
Note: 16" diameter base and 11" diameter top. 0.3125" wall thickness.		
34 41 13 00-0083 EA 15' Steel Straight Mast Arm, MONOTUBE.....	2,172.29	
34 41 13 00-0084 EA 20' Steel Straight Mast Arm, MONOTUBE.....	2,283.54	
34 41 13 00-0085 EA 25' Steel Straight Mast Arm, MONOTUBE.....	2,437.39	
34 41 13 00-0086 EA 30' Steel Straight Mast Arm, MONOTUBE.....	3,238.69	
34 41 13 00-0087 EA 35' Steel Straight Mast Arm, MONOTUBE.....	3,876.67	
34 41 13 00-0088 EA 40' Steel Straight Mast Arm, MONOTUBE.....	4,155.01	
34 41 13 00-0089 EA 45' Steel Straight Mast Arm, MONOTUBE.....	4,578.08	
34 41 13 00-0090 EA 4' Steel Curved Luminaire Mast Arm.....	752.28	
34 41 13 00-0091 EA 6' Steel Curved Luminaire Mast Arm.....	974.81	
For High Rise Arm, Add	76.29	
34 41 13 00-0092 EA 8' Steel Curved Luminaire Mast Arm.....	1,219.53	
34 41 13 00-0093 EA 10' Steel Curved Luminaire Mast Arm.....	1,700.33	
For High Rise Arm, Add	112.29	
34 41 13 00-0094 EA 12' Steel Curved Luminaire Mast Arm.....	1,865.31	
For High Rise Arm, Add	132.43	
34 41 13 00-0095 EA 15' Steel Curved Luminaire Mast Arm.....	1,936.31	
For High Rise Arm, Add	147.69	



MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
34 41 13 00-0096	EA 15' Tubular Aluminum Post.....	801.94	
34 41 13 00-0097	EA 17' Tubular Aluminum Post.....	857.53	
34 41 13 00-0098	EA 20' Tubular Aluminum Post.....	956.85	
34 41 13 00-0099	EA CUT-OFF POLE AND CAPPED.....	155.07	
34 41 13 00-0100	EA PAINT EXISTING SL/TS CONTROLLER COMPLETE.....	45.85	
34 41 13 00-0101	EA PAINT EXISTING TS POST COMPLETE.....	219.83	
34 41 13 00-0102	EA 1 Channel Loop Detector Amp.....	1,126.75	
34 41 13 00-0103	EA 4 Channel Loop Detector Amp.....	2,098.19	
34 41 13 00-0104	EA FLASHING BEACON WITH DOWNLIGHT.....	1,684.52	
34 41 13 00-0105	EA Flashing Beacon, Bracket Mounted.....	615.98	
34 41 13 00-0106	EA Flashing Beacon, Mast Arm Mounted.....	615.98	
34 41 13 00-0107	EA Flashing Beacon, Solar Powered, Bracket Mounted.....	14,392.29	
34 41 13 00-0108	EA Wireless Access Point (Proxim Tsunami MP11 954-BSUR-US).....	2,116.20	
34 41 13 00-0109	EA Ruggedized Subscriber Unit (Proxim Tsunami MP11 954-SUA-US).....	1,154.28	
34 41 13 00-0110	EA Smart Sensor HD (Wavetronix HD125).....	5,977.18	
34 41 13 00-0111	EA Access Point (Sensys AP240-ES).....	2,784.65	
	Note: RJ45 port supports simultaneous Ethernet and CC card communications (split via Access Box) combined with data relay, statistics-processing and VPN functionality.		
34 41 13 00-0112	EA Sensys Access Point AP240-ESC-VER - RJ45 port supports simultaneous Ethernet and CC card communications (split via Access Box) combined with data relay, statistics-processing and VPN functionality with Integrated 1xRTT cellular data modem for data relay via CDMA.....	4,793.01	
34 41 13 00-0113	EA Mounting Kit for Access Points and Repeaters (KIT-MTG).....	189.45	
34 41 13 00-0114	EA Repeater (Sensys RP240-B-LL).....	1,277.39	
	Note: Nominal battery capacity of 171 Ah with seven (7) year battery-life.		
34 41 13 00-0115	EA Wireless Flush Mounted Sensor (Sensys VSN240-F).....	601.30	
	Note: Excludes coring.		
34 41 13 00-0116	EA Sensor Mounting Bracket, Cable, Lightning Surge Protector, Power Supply, Breaker, AC Surge Protector, Din Rail and Power Plug.....	1,521.88	
34 41 13 00-0117	EA Pole Base Foundation for 17-2-80, 17-2-100, 19-2-80 Poles.....	4,292.37	1.51
34 41 13 00-0118	EA Pole Base Foundation for 17-3-80, 19-3-80, 26-3-80 & 26-4-80 Poles.....	5,578.26	1.51
34 41 13 00-0119	EA Pole Base Foundation for Type 15 and 21 Poles.....	3,374.37	1.51
34 41 13 00-0120	EA Pole Base Foundation for 18-4-100, 19-4-100, 23-4-100, And 24-4-100 Poles.....	4,292.37	1.51
34 41 13 00-0121	EA Pole Base Foundation for 26-4-100 And 27-4-100 Poles.....	5,578.26	1.51
34 41 13 00-0122	EA LED Enhanced Pedestrian Crossing Symbol Sign.....	1,106.87	94.85
	Note: 2 required per system.		
34 41 13 00-0123	EA 42" Height, 8-1/2" Diameter Automatic Bollard Activation System.....	3,314.11	569.15
	Note: 4 required per system.		
34 41 13 00-0124	EA Power Control Unit With Enclosure (Solar).....	10,403.99	379.43
	Note: LightGuard Systems solar power equipment Includes: one solar array consisting of 1 Siemens SP70 solar power module (21" x 47" to be pole mounted, pole not included), #14 AWG solar tray cable, mounting hardware, one enclosure (16-1/2" width x 27-1/2" height x 15" depth), two 12V 80AH deep cycle gel cell batteries and a solar power control unit (PCU).		
34 41 13 00-0125	EA Power Control Unit With Enclosure (A/C).....	6,777.66	379.43
34 41 13 00-0126	EA Push Button Assembly With Sign.....	717.99	189.72
34 41 13 00-0127	EA Advanced Warning Signs.....	1,274.73	189.72
34 41 13 00-0128	EA Traffic Signal Controller Unit, TS 2 Type 1.....	3,725.25	
34 41 13 00-0129	EA Traffic Signal Controller Unit, TS 2 Type 2.....	3,822.12	
34 41 13 00-0130	EA Traffic Signal Controller Unit, TS 2 Type 2 Econolite Model ASC/2S-2100.....	30,277.93	
34 41 13 00-0131	EA Optical Detector For Mast Arm Mounting, 1 Channel, 1 Way.....	623.47	
34 41 13 00-0132	EA Optical Detector For Mast Arm Mounting, 1 Channel, 2 Way.....	524.81	
34 41 13 00-0133	EA Optical Detector For Mast Arm Mounting, 2 Channel.....	711.71	
34 41 13 00-0134	EA 2 Channel Phase Selector.....	1,960.71	
34 41 13 00-0135	EA 4 Channel Phase Selector.....	3,037.63	
34 41 13 00-0136	EA Malfunction Management Unit For Use With NEMA Controller.....	1,015.44	
34 41 13 00-0137	EA Optical Detector For Pole-Side Mounting, 1 Channel, 1 Way.....	727.23	207.52
34 41 13 00-0138	EA Optical Detector For Pole-Side Mounting, 1 Channel, 2 Way.....	784.21	207.52
34 41 13 00-0139	EA Optical Detector For Pole-Side Mounting, 2 Channel.....	971.11	207.52
34 41 13 00-0140	EA Optical Detector For Pedestal Or Pipe Mounting, 1 Channel, 1 Way.....	727.23	207.52
34 41 13 00-0141	EA Optical Detector For Pedestal Or Pipe Mounting, 1 Channel, 2 Way.....	784.21	207.52
34 41 13 00-0142	EA Optical Detector For Pedestal Or Pipe Mounting, 2 Channel.....	971.11	207.52
34 41 13 00-0143	EA Optical Detector For Span Wire Mounting, 1 Channel, 1 Way.....	727.23	207.52
34 41 13 00-0144	EA Optical Detector For Span Wire Mounting, 1 Channel, 2 Way.....	784.21	207.52
34 41 13 00-0145	EA Optical Detector For Span Wire Mounting, 2 Channel.....	971.11	207.52
34 41 13 00-0146	EA Optical Detector For Signal Top Mounting, 1 Channel, 1 Way.....	727.23	207.52
34 41 13 00-0147	EA Optical Detector For Signal Top Mounting, 1 Channel, 2 Way.....	784.21	207.52
34 41 13 00-0148	EA Optical Detector For Signal Top Mounting, 2 Channel.....	971.11	207.52
34 41 13 00-0149	EA Time Switch, 1-Circuit.....	140.55	
34 41 13 00-0150	EA Digital Loop-Type Vehicle Detector Card, 2-Channel, Normal.....	206.00	
34 41 13 00-0151	EA Digital Loop-Type Vehicle Detector Card, 2-Channel, Stretch/Delay.....	266.40	
34 41 13 00-0152	EA Digital Loop-Type Vehicle Detector Card, 4-Channel, Normal.....	374.66	
34 41 13 00-0153	EA Digital Loop-Type Vehicle Detector Card, 4-Channel, Stretch/Delay.....	468.10	
34 41 13 00-0154	EA Digital Loop-Type Vehicle Detector Card Rack With Power Supply.....	1,254.43	
34 41 13 00-0155	EA Digital Loop-Type Vehicle Detector Card Rack With Power Supply For Remote Detector Cabinet.....	1,254.43	
34 41 13 00-0156	EA Power Line Surge Protector - Edco SHP 300-10.....	120.86	
34 41 13 00-0157	EA Loop Detector Surge Protector - Edco SRA-6LC.....	64.40	
34 41 13 00-0158	EA Controller Cabinet; Econolite Type "O".....	17,781.43	
34 41 13 00-0159	EA Controller Cabinet With 1 Detector Rack And 1 Load Switch Bay.....	8,121.04	
34 41 13 00-0160	EA Controller Cabinet With 1 Detector Rack And 2 Load Switch Bays.....	8,770.61	
34 41 13 00-0161	EA Controller Cabinet With 2 Detector Racks And 1 Load Switch Bay.....	9,551.24	
34 41 13 00-0162	EA Controller Cabinet With 2 Detector Racks And 2 Load Switch Bays.....	9,790.55	
34 41 13 00-0163	EA Speed Limit Beacon Control Cabinet.....	4,181.09	
34 41 13 00-0164	EA Remote Detector Cabinet.....	2,414.71	

34 Transportation**34 40 Transportation Signaling and Control Equipment****34 41 Roadway Signaling and Control Equipment**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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34 41 13 00-0165	EA		Traffic Signal Hand Control.....	620.87	
34 41 13 00-0166	EA		Extra Pedestrian Detector Isolation Assembly.....	506.91	
34 41 13 00-0167	EA		Fiber Optic Transceivers-Repeater Module.....	673.34	
34 41 13 00-0168	EA		Field Transceiver-Repeater.....	272.33	
34 41 13 00-0169	EA		Load Switch.....	60.01	
34 41 13 00-0170	EA		30" Pedestal With Base Plate And Cover.....	532.58	
34 41 13 00-0171	EA		8" Pedestal With Base Plate And Cover.....	764.27	
34 41 13 00-0172	EA		11" Pedestal With Base Plate And Cover.....	848.77	
34 41 13 00-0173	EA		15" Pedestal With Base Plate And Cover.....	949.40	
34 41 13 00-0174	LF		6-Fiber Interconnect Cable, Fiber Optic, Single Mode.....	1.15	
34 41 13 00-0175	LF		12-Fiber Interconnect Cable, Fiber Optic, Single Mode.....	1.25	
34 41 13 00-0176	LF		24-Fiber Interconnect Cable, Fiber Optic, Single Mode.....	1.40	
34 41 13 00-0177	LF		36-Fiber Interconnect Cable, Fiber Optic, Single Mode.....	1.56	
34 41 13 00-0178	LF		48-Fiber Interconnect Cable, Fiber Optic, Single Mode.....	1.71	
34 41 13 00-0179	LF		72-Fiber Interconnect Cable, Fiber Optic, Single Mode.....	1.93	
34 41 13 00-0180	LF		96-Fiber Interconnect Cable, Fiber Optic, Single Mode.....	2.15	
34 41 13 00-0181	LF		144-Fiber Interconnect Cable, Fiber Optic, Single Mode.....	2.51	
34 41 13 00-0182	LF		3/16" Diameter Messenger Cable.....	0.73	0.09
34 41 13 00-0183	LF		1/4" Diameter Messenger Cable.....	0.95	0.09
34 41 13 00-0184	LF		3/8" Diameter Messenger Cable.....	1.52	0.09
34 41 13 00-0185	LF		1/2" Diameter Messenger Cable.....	2.23	0.18
34 41 13 00-0186	EA		4' Diameter x 10' Concrete Base For Poles.....	2,158.55	
			Note: Includes drilling in earth, rebar, bolts, forms for exposed base, bolts and concrete.		
34 41 13 00-0187	EA		4' Diameter x 16' Concrete Base For Poles.....	3,440.76	
			Note: Includes drilling in earth, rebar, bolts, forms for exposed base, bolts and concrete.		
34 41 13 00-0188	EA		Internally Illuminated Street Name Sign, 1 Line, 4'.....	1,629.21	222.01
34 41 13 00-0189	EA		Internally Illuminated Street Name Sign, 1 Line, 6'.....	2,013.73	277.52
34 41 13 00-0190	EA		Internally Illuminated Street Name Sign, 1 Line, 8'.....	2,215.90	333.03
34 41 13 00-0191	EA		Internally Illuminated Street Name Sign, 1 Line, 10'.....	2,509.24	388.53
34 41 13 00-0192	EA		Internally Illuminated Street Name Sign, 1 Line, 12'.....	2,711.42	444.03
34 41 13 00-0193	EA		Internally Illuminated Street Name Sign, 2 Line, 4'.....	2,490.75	222.01
34 41 13 00-0194	EA		Internally Illuminated Street Name Sign, 2 Line, 6'.....	3,071.28	277.52
34 41 13 00-0195	EA		Internally Illuminated Street Name Sign, 2 Line, 8'.....	3,337.26	333.03
34 41 13 00-0196	EA		Internally Illuminated Street Name Sign, 2 Line, 10'.....	3,740.01	388.53
34 41 13 00-0197	EA		Internally Illuminated Street Name Sign, 2 Line, 12'.....	4,033.36	444.03
34 41 13 00-0198	EA		Photoelectric Controller, Multi-Volt.....	71.05	26.98
34 41 13 00-0199	EA		Photoelectric Controller, 120 Volt.....	74.71	26.98
34 41 13 00-0200	EA		Photoelectric Controller, 480 Volt.....	74.71	26.98
34 41 13 00-0201	EA		Wi-Fi Communication Unit.....	847.65	111.01
34 41 13 00-0202	EA		Wi-Fi Communication Unit Mounting Bracket.....	223.49	83.25
34 41 13 00-0203	EA		Wi-Fi Communication Unit Power Supply / POE Injector.....	189.64	55.51
34 41 13 00-0204	EA		Wi-Fi Communication Unit Packet.....	1,260.79	166.51
34 41 13 00-0205	LF		Preemptor Detector Cable.....	1.89	
34 41 13 00-0206	EA		Sno-Shoe Cable Storage Assembly.....	168.83	

34 41 13 00-0207 Traffic Signal Cable (34 41 13)

34 41 13 00-0208	LF		16 AWG, 2-Conductor, Solid, Traffic Signal Cable.....	1.65	0.77
34 41 13 00-0209	LF		16 AWG, 3-Conductor, Solid, Traffic Signal Cable.....	1.79	0.83
34 41 13 00-0210	LF		16 AWG, 4-Conductor, Solid, Traffic Signal Cable.....	1.94	0.88
34 41 13 00-0211	LF		16 AWG, 5-Conductor, Solid, Traffic Signal Cable.....	2.08	0.93
34 41 13 00-0212	LF		16 AWG, 6-Conductor, Solid, Traffic Signal Cable.....	2.25	0.99
34 41 13 00-0213	LF		16 AWG, 8-Conductor, Solid, Traffic Signal Cable.....	2.55	1.10
34 41 13 00-0214	LF		16 AWG, 10-Conductor, Solid, Traffic Signal Cable.....	2.96	1.27
34 41 13 00-0215	LF		16 AWG, 12-Conductor, Solid, Traffic Signal Cable.....	3.37	1.43
34 41 13 00-0216	LF		16 AWG, 16-Conductor, Solid, Traffic Signal Cable.....	3.88	1.59
34 41 13 00-0217	LF		16 AWG, 20-Conductor, Solid, Traffic Signal Cable.....	4.43	1.76
34 41 13 00-0218	LF		14 AWG, 2-Conductor, Solid, Traffic Signal Cable.....	1.67	0.77
34 41 13 00-0219	LF		14 AWG, 3-Conductor, Solid, Traffic Signal Cable.....	1.82	0.83
34 41 13 00-0220	LF		14 AWG, 4-Conductor, Solid, Traffic Signal Cable.....	1.98	0.88
34 41 13 00-0221	LF		14 AWG, 5-Conductor, Solid, Traffic Signal Cable.....	2.14	0.93
34 41 13 00-0222	LF		14 AWG, 6-Conductor, Solid, Traffic Signal Cable.....	2.31	0.99
34 41 13 00-0223	LF		14 AWG, 8-Conductor, Solid, Traffic Signal Cable.....	2.63	1.10
34 41 13 00-0224	LF		14 AWG, 10-Conductor, Solid, Traffic Signal Cable.....	3.07	1.27
34 41 13 00-0225	LF		14 AWG, 12-Conductor, Solid, Traffic Signal Cable.....	3.50	1.43
34 41 13 00-0226	LF		14 AWG, 16-Conductor, Solid, Traffic Signal Cable.....	4.06	1.59
34 41 13 00-0227	LF		14 AWG, 20-Conductor, Solid, Traffic Signal Cable.....	4.66	1.76
34 41 13 00-0228	LF		12 AWG, 2-Conductor, Solid, Traffic Signal Cable.....	1.73	0.77
34 41 13 00-0229	LF		12 AWG, 3-Conductor, Solid, Traffic Signal Cable.....	1.91	0.83
34 41 13 00-0230	LF		12 AWG, 4-Conductor, Solid, Traffic Signal Cable.....	2.09	0.88
34 41 13 00-0231	LF		12 AWG, 5-Conductor, Solid, Traffic Signal Cable.....	2.26	0.93
34 41 13 00-0232	LF		12 AWG, 6-Conductor, Solid, Traffic Signal Cable.....	2.47	0.99
34 41 13 00-0233	LF		12 AWG, 8-Conductor, Solid, Traffic Signal Cable.....	2.84	1.10
34 41 13 00-0234	LF		12 AWG, 10-Conductor, Solid, Traffic Signal Cable.....	3.33	1.27
34 41 13 00-0235	LF		12 AWG, 12-Conductor, Solid, Traffic Signal Cable.....	3.81	1.43
34 41 13 00-0236	LF		12 AWG, 16-Conductor, Solid, Traffic Signal Cable.....	4.47	1.59
34 41 13 00-0237	LF		12 AWG, 20-Conductor, Solid, Traffic Signal Cable.....	5.21	1.76

34 41 13 00-0238 School Zone Flasher Beacons (34 41 13)



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
34 41 13 00-0239 EA One 8" Amber LED Beacon Head, Solar Panel School Zone Flasher Beacons Assembly.....	3,153.40	168.48
Note: Includes 365 day timer, aluminum control/battery enclosure, 2 AGM cell batteries, brackets, 30 Watt tilted solar panel, solar regulator, and solid state flasher.		
34 41 13 00-0240 EA One 12" Amber LED Beacon Head, Solar Panel School Zone Flasher Beacons Assembly.....	3,175.05	168.48
Note: Includes 365 day timer, aluminum control/battery enclosure, 2 AGM cell batteries, brackets, 30 Watt tilted solar panel, solar regulator, and solid state flasher.		
34 41 13 00-0241 EA Two 8" Amber LED Beacon Head, Solar Panel School Zone Flasher Beacons Assembly.....	3,542.62	168.48
Note: Includes 365 day timer, aluminum control/battery enclosure, 2 AGM cell batteries, brackets, 40 Watt tilted solar panel, solar regulator, and solid state flasher.		
34 41 13 00-0242 EA Two 12" Amber LED Beacon Head, Solar Panel School Zone Flasher Beacons Assembly.....	3,611.90	168.48
Note: Includes 365 day timer, aluminum control/battery enclosure, 2 AGM cell batteries, brackets, 40 Watt tilted solar panel, solar regulator, and solid state flasher.		
34 41 13 00-0243 EA 10" Digit Radar Display, One 12" Amber LED Beacon Head, Solar Panel School Zone Flasher Beacons Assembly.....	6,537.92	168.48
Note: Includes 365 day timer, aluminum control/battery enclosure, 2 AGM cell batteries, brackets, 80 Watt tilted solar panel, solar regulator, and solid state flasher.		
34 41 13 00-0244 EA 10" Digit Radar Display, Two 12" Amber LED Beacon Head, Solar Panel School Zone Flasher Beacons Assembly.....	6,809.42	168.48
Note: Includes 365 day timer, aluminum control/battery enclosure, 2 AGM cell batteries, brackets, 40 Watt tilted solar panel, solar regulator, and solid state flasher.		
34 41 13 00-0245	Traffic Light Control Synchronization <small>(34 41 13)</small>	
34 41 13 00-0246 EA ENCOM COMPAK IP Radio/Wireless Ethernet Transceiver, 900 MHz FHSS 1 Watt output power and 128-bit data encryption with 1.1Mbps Throughput.....	2,792.86	
34 41 13 00-0247 EA ENCOM 5200R 900 MHz Serial Radio Modem, contains one Serial (RS-232 or RS-485) interface and 170/TS1/TS2 detector rack (EPR-5200R).....	2,123.56	
34 41 13 00-0248 EA ENCOM Dual 2.4/2.4 GHZ Broadband Radio with Integrated Antenna (COMMPAKBB24/24).....	5,135.23	
34 41 13 00-0249 EA 5.8 GHZ Broadband Radio with Integrated Antenna (COMMPAKBB58INT).....	3,393.14	
34 41 13 00-0250 EA 2.4 GHZ Broadband Radio with Integrated Antenna (COMMPAKBB24INT).....	3,393.14	
34 41 13 00-0251 EA Solar Cabinet Assembly.....	9,563.35	
34 41 13 00-0252 EA Data Controller Interface Cable Assembly.....	407.06	
34 41 13 00-0253 EA 900 MHz Splitter.....	428.41	
34 41 13 00-0254 EA 900 MHz Surge Suppressor.....	150.08	
34 41 13 00-0255 EA Surge-Radio Lead in Cable.....	94.16	
34 41 13 00-0256 EA 12DB GAIN YAGI Antenna.....	475.38	
34 41 13 00-0257 EA PELCO Antenna Mounting Bracket.....	343.30	
34 41 13 00-0258 MLF Coaxial Cable, LMR-400.....	2,295.43	
34 41 13 00-0259 EA Perle 16 Port Serial Server.....	2,859.07	
34 41 13 00-0260 EA Serial to Ethernet Card.....	1,343.58	
34 41 13 00-0261 EA 404 Stand Alone Modem (GDI 404).....	1,158.57	
34 41 13 00-0262	Traffic Signal Controls <small>(34 41 13)</small>	
34 41 13 00-0263 EA Master Card for Type 2070 or NEMA TS2 traffic controllers (CC-TS2).....	1,093.40	
34 41 13 00-0264 EA Extension Card for Type 2070 or NEMA traffic controllers (EX-TS2).....	395.86	
34 41 13 00-0265 EA AccessBox for contract closure master card (CC-ACC).....	143.42	
34 41 13 00-0266 EA Flush Mount Wireless Sensor (ATT VSN240-F).....	559.16	
34 41 13 00-0267 EA Flush Mount Wireless Sensor (Speed & Count VSN240-F).....	559.16	
34 41 13 00-0268 EA Epoxy Tube for Installation of Wireless Sensor (VSN240-EPX).....	87.56	
34 41 13 00-0269 EA SNAPS License for each enabled AP (SNAPS-PER-AP).....	230.43	
34 41 16	Traffic Control Equipment <small>(34 41)</small>	
34 41 16 00-0001	Transportation Control Equipment <small>(34 41 16)</small>	
34 41 16 00-0002 EA CONTROLLER/SL/POLE MTD/1-PHASE/100A.....	7,077.26	767.28
34 41 16 00-0003 EA CONTROLLER/SL/ON EMB POLE 1-PH/100A.....	7,165.66	811.46
34 41 16 00-0004 EA CONTROLLER, SL, 3-PHASE, 100A, BASE MTD.....	8,684.87	821.01
34 41 16 00-0005 EA CONTROLLER, SL, 3-PHASE, 200A, BASE MTD.....	10,330.23	996.85
34 41 16 00-0006 EA CONTROLLER/SL/BASE MTD/1-PHASE/100A.....	8,398.55	491.76
34 41 16 00-0007 EA CONTROLLER/SL/BASE MTD/1-PHASE/200A.....	9,309.58	538.38
34 41 16 00-0008 EA CONTROLLER, TS, 12-BAY, "M" CABINET.....	15,322.68	846.43
34 41 16 00-0009 EA CONTROLLER, TS, 12-BAY, "P" CABINET.....	16,319.56	938.01
34 41 16 00-0010 EA CONTROLLER, TS, 12-BAY "P" CABINET With FO MASTER.....	23,265.86	1,054.57
34 41 16 00-0011 EA CONTROLLER, TS, 16-BAY, "P" CABINET.....	18,475.96	999.07
34 41 16 00-0012 EA CONTROLLER, PEDESTRIAN CROSSING, ADD-IN.....	570.23	117.34
34 41 16 00-0013 EA CONCRETE BLOCK PEDESTAL.....	665.24	176.16
34 41 16 00-0014 WK MAINTAIN EXIST TS INSTALLATION.....	288.38	144.19
34 41 16 00-0015 EA INST SIGN BOARDS, ST. NAME.....	488.25	232.33
34 41 16 00-0016 EA F.O. ADD-IN FOR LOCAL CONTROLLER.....	7,768.90	324.70
34 41 16 00-0017 EA F.O. ADD-IN FOR MASTER CONTROLLER.....	18,672.70	487.19
34 70	Transportation Construction And Equipment <small>(34)</small>	
34 71	Roadway Construction <small>(34 70)</small>	
34 71 13	Vehicle Barriers <small>(34 71)</small>	
34 71 13 13	Vehicle Median Barriers <small>(34 71 13)</small>	
34 71 13 13-0001	Concrete Median Barrier <small>(34 71 13 13)</small>	
34 71 13 13-0002 LF Median Barrier, Precast, 42" High Single Face.....	59.11	3.21

34	Transportation
34 70	Transportation Construction And Equipment
34 71	Roadway Construction



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
34 71 13 13-0003 LF Median Barrier, Precast, 32" High, 2' Wide Base, Double Face.....	62.93	3.21
34 71 13 13-0004 LF Median Barrier, Precast, 42" High, 2' Wide Base, Double Face.....	68.14	3.21
34 71 13 13-0005 LF Median Barrier, Cast In Place With Steel Forms.....	40.42	5.01
34 71 13 13-0006 LF Median Barrier, Slipformed Concrete.....	33.11	2.57
34 71 13 16 Vehicle Crash Barriers (34 71 13)		
34 71 13 16-0001 Impact Barrier, Non-Redirective (34 71 13 16)		
34 71 13 16-0002 Sand Barrel Impact Attenuator (34 71 13 16-0001) Note: Includes containers, inserts, and lid. Excludes sand.		
34 71 13 16-0003 EA 200, 400 Or 700 LB Sand Barrel..... Note: Includes containers, inserts, and lid.	685.83	41.55
34 71 13 26 Vehicle Guide Rails (34 71 13)		
34 71 13 26-0001 Corrugated Beam Guide Rail (34 71 13 26)		
34 71 13 26-0002 Corrugated Beam Guide Railing (34 71 13 26-0001)		
34 71 13 26-0003 Corrugated Beam Guide Railing, Straight Sections (34 71 13 26-0002) Note: Add additional length for back-up sections.		
34 71 13 26-0004 LF Corrugated Beam Guide Railing	6.88	1.88
34 71 13 26-0005 LF Corrugated Beam Guide Railing (Rustic).....	7.27	1.88
34 71 13 26-0006 Corrugated Beam Guide Railing, Shop Curved (34 71 13 26-0002) Note: Add additional length for back-up sections.		
34 71 13 26-0007 LF Shop Curved Corrugated Beam Guide Railing	8.41	1.88
34 71 13 26-0008 LF Shop Curved Corrugated Beam Guide Railing (Rustic).....	8.95	1.88
34 71 13 26-0009 LF Shop Curved Corrugated Beam Guide Railing End..... Note: Treatment for mall barriers driveways, walkways, special end, etc.	18.69	1.88
34 71 13 26-0010 LF Shop Curved Corrugated Beam Guide Railing (Rustic) End..... Note: Treatment for mall barriers shop curved corrugated beam guide railing end etc.	20.22	1.88
34 71 13 26-0011 Corrugated Beam Guide Railing, Manufactured End Sections (34 71 13 26-0001)		
34 71 13 26-0012 EA Corrugated Beam Guide Railing End Section At Anchor Unit.....	62.53	24.75
34 71 13 26-0013 EA Corrugated Beam Guide Railing End Section (Rustic) At Anchor Unit.....	64.61	24.75
34 71 13 26-0014 EA Corrugated Beam Guide Railing Flared Or 180 Degree End Section	75.05	24.75
34 71 13 26-0015 EA Corrugated Beam Guide Railing Flared Or 180 Degree End Section (Rustic).....	77.13	24.75
34 71 13 26-0016 EA Corrugated Beam Guide Railing 225 Degree End Section	75.05	24.75
34 71 13 26-0017 EA Corrugated Beam Guide Railing 225 Degree End Section (Rustic).....	77.13	24.75
34 71 13 26-0018 Corrugated Beam Guide Rail Posts (34 71 13 26-0001) Note: Includes mounting hardware.		
34 71 13 26-0019 EA Standard Post For Corrugated Beam Guide Rail..... For Installation Without Soil Plate, Deduct -5.00 For Installation In Rock, Add 2.96	48.18	11.09
34 71 13 26-0020 EA Standard Post For (Rustic) Corrugated Beam Guide Rail..... For Installation Without Soil Plate, Deduct -5.00 For Installation In Rock, Add 2.96	50.27	11.09
34 71 13 26-0021 EA Extra Long Post for Corrugated Beam Guide Rail	52.36	11.09
For Installation Without Soil Plate, Deduct -5.00 For Installation In Rock, Add 2.96		
34 71 13 26-0022 EA Extra Long Post (Rustic) for Corrugated Beam Guide Rail	54.44	11.09
For Installation Without Soil Plate, Deduct -5.00 For Installation In Rock, Add 2.96		
34 71 13 26-0023 EA 6B8-1/2" or Mall Barrier Post for Corrugated Beam Guide Rail	48.18	11.09
For Installation Without Soil Plate, Deduct -5.00 For Installation In Rock, Add 2.96		
34 71 13 26-0024 EA Post Struts for Corrugated Beam Guide Rail Mall Barrier Post..... For Installation In Rock, Add 2.96	64.88	11.09
34 71 13 26-0025 Heavy Post Blocked Out Corrugated Beam Guide Rail Posts (34 71 13 26-0001) Note: Includes mounting hardware. Excludes triangular mounting brackets.		
34 71 13 26-0026 EA Standard Post For Heavy Post Blocked Out Corrugated Beam Guide	48.18	11.09
34 71 13 26-0027 EA Standard Rustic Post For Heavy Post Blocked Out Corrugated Beam Guide	50.27	11.09
34 71 13 26-0028 EA Extra Long Post for Heavy Post Blocked Out Corrugated Beam Guide.....	52.36	11.09
34 71 13 26-0029 EA Extra Long Post (Rustic) For heavy post blocked out corrugated beam guide rail..... Note: For heavy post blocked out corrugated beam guide (rustic)	54.44	11.09
34 71 13 26-0030 EA Type A Post 1630mm Post	47.14	11.09
Note: For heavy post blocked out corrugated beam guide rail		
34 71 13 26-0031 EA Type A Post 1630mm Post (Rustic).....	49.23	11.09
Note: For heavy post blocked out corrugated beam guide rail		
34 71 13 26-0032 EA Type B Post 1460mm	45.05	11.09
Note: For heavy post blocked out corrugated beam guide rail		
34 71 13 26-0033 EA Type B Post 1460mm (Rustic)	47.14	11.09
Note: For heavy post blocked out corrugated beam guide rail		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
34 71 13 26-0034 EA Type C Post 1290mm.....	42.97	11.09
Note: For heavy post blocked out corrugated beam guide rail		
34 71 13 26-0035 EA Type C Post 1290mm (Rustic).....	45.05	11.09
Note: For heavy post blocked out corrugated beam guide rail		
34 71 13 26-0036 EA Breakaway Wood Or Steel Post In Steel Foundation Tube	152.84	11.09
34 71 13 26-0037 EA Wood, Metal, Plastic Or Composite Offset Block Or Beam	25.23	11.09
Note: For heavy post blocked out corrugated beam guide rail.		
34 71 13 26-0038 Corrugated Beam Guide Rail Accessories (34 71 13 26-0001)		
34 71 13 26-0039 EA Triangular Mounting Brackets (Galvanized Or Rustic) For All Post Types A, B And C.....	58.35	28.12
34 71 13 26-0040 Corrugated Beam Guide Rail Repair for Existing Guide Rail (34 71 13 26-0001)		
Note: Includes associated hardware.		
34 71 13 26-0041 LF Removal And Storage Of Corrugated Beam Guide Railing And Post.....	10.99	
34 71 13 26-0042 EA Install Stored Post For Corrugated Beam Guide Rail	37.49	
34 71 13 26-0043 LF Install Stored Corrugated Beam Guide Railing And Post.....	6.37	
34 71 13 26-0044 Corrugated Thrie Beam Guide Railing (34 71 13 26-0001)		
34 71 13 26-0045 Corrugated Thrie Beam Guide Railing, Straight Sections (34 71 13 26-0044)		
Note: Add additional length for back-up sections.		
34 71 13 26-0046 LF Corrugated Thrie Beam Guide Railing.....	13.80	2.36
34 71 13 26-0047 LF Corrugated Thrie Beam Guide Railing (Rustic).....	14.44	2.36
34 71 13 26-0048 Corrugated Thrie Beam Guide Railing, Shop Curved (34 71 13 26-0044)		
Note: Add additional length for back-up sections.		
34 71 13 26-0049 LF Shop Curved Corrugated Thrie Beam Guide Railing	16.35	2.36
34 71 13 26-0050 LF Shop Curved Corrugated Thrie Beam Guide Railing (Rustic).....	16.98	2.36
34 71 13 26-0051 Corrugated Thrie Beam Guide Rail Posts (34 71 13 26-0044)		
Note: Includes hardware for mounting.		
34 71 13 26-0052 EA Standard Post For Corrugated Thrie Beam Guide Rail.....	49.05	2.36
<i>For Installation Without Soil Plate, Deduct</i>		
<i>For 32" Soil Plate, Add</i>		
	-5.00	
	7.00	
34 71 13 26-0053 EA Standard Post (Rustic) For Corrugated Thrie Beam Guide Rail	51.14	2.36
<i>For Installation Without Soil Plate, Deduct</i>		
<i>For 32" Soil Plate, Add</i>		
	-5.00	
	7.00	
34 71 13 26-0054 Timber Guide Rails (34 71 13 26)		
Note: Includes drilling and fasteners. Excludes excavation, auguring and concrete.		
34 71 13 26-0055 Timber Guide Rail Posts (34 71 13 26-0054)		
34 71 13 26-0056 EA 6" x 8" Timber Guide Rail Post	64.29	9.38
34 71 13 26-0057 EA 6" x 9" Timber Guide Rail Post	72.53	9.38
34 71 13 26-0058 EA 10" x 10" Timber Guide Rail Post	137.12	9.38
34 71 13 26-0059 EA 10" x 12" Timber Guide Rail Post	144.82	9.38
34 71 13 26-0060 EA 12" x 12" Timber Guide Rail Post	166.78	9.38
34 71 13 26-0061 Timber Guide Rails (34 71 13 26-0054)		
Note: Excludes posts, spacer blocks and steel backup plates.		
34 71 13 26-0062 LF 4" x 9" Timber Guide Rail.....	7.96	1.13
34 71 13 26-0063 LF 6" x 10" Timber Guide Rail.....	10.93	1.13
34 71 13 26-0064 LF 6" x 12" Timber Guide Rail.....	12.66	1.13
34 71 13 26-0065 Spacer Blocks For Timber Guide Rails (34 71 13 26-0054)		
34 71 13 26-0066 EA 4" x 9" Spacer Block For Timber Guide Rails	10.38	1.50
34 71 13 26-0067 EA 6" x 8" Spacer Block For Timber Guide Rails	11.81	1.50
34 71 13 26-0068 EA 8" x 8" Spacer Block For Timber Guide Rails	13.62	1.50
34 71 13 26-0069 Weathering Steel Backup Plates For Timber Guide Rails (34 71 13 26-0054)		
34 71 13 26-0070 LF 6" High, Weathering Steel Backup Plate For Timber Guide Rails.....	13.76	0.94
34 71 13 26-0071 Weathering Steel Splice And Bearing Plates For Timber Guide Rails (34 71 13 26-0054)		
34 71 13 26-0072 EA Weathering Steel Splice Plate For Timber Guide Rails	99.66	13.12
34 71 13 26-0073 EA Weathering Steel Bearing Termination Plate For Timber Guide Rails.....	63.19	9.38
34 71 13 26-0074 Cable Guide Rail (34 71 13 26)		
34 71 13 26-0075 Cable Guide Rail (34 71 13 26-0074)		

34	Transportation
34 70	Transportation Construction And Equipment
34 71	Roadway Construction



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
34 71 13 26-0076 LF Cable (Each Cable)..... Note: Includes tensioning. Excludes splices.	4.48	2.02
34 71 13 26-0077 EA Cable Splice With Wedges	81.34	14.06
34 71 13 26-0078 Cable Guide Rail Posts (34 71 13 26-0074) Note: Includes hardware for cable mounting.		
34 71 13 26-0079 EA Standard Post for Cable Guide Rail..... For Installation Without Soil Plate, Deduct For Installation In Rock, Add	80.61 -5.00 9.86	36.98
34 71 13 26-0080 EA Standard Post (Rustic) for Cable Guide Rail..... For Installation Without Soil Plate, Deduct For Installation In Rock, Add	82.69 -5.00 9.86	36.98
34 71 13 26-0081 EA Extra Long Post for Cable Guide Rail..... For Installation Without Soil Plate, Deduct For Installation In Rock, Add	82.69 -5.00 9.86	36.98
34 71 13 26-0082 EA Extra Long Post (Rustic) for Cable Guide Rail..... For Installation Without Soil Plate, Deduct For Installation In Rock, Add	84.78 -5.00 9.86	36.98
34 71 13 26-0083 EA Slip Impact Post Top for Anchor Unit.....	44.76	14.80
34 71 13 26-0084 EA Slip Impact Post Base and Keeper Plate..... Note: For anchor unit.	96.92	14.80
34 71 13 26-0085 Cable Guide Rail Accessories For Breakaway Anchor Angle Systems (34 71 13 26-0074)		
34 71 13 26-0086 EA Turnbuckle Cable End Assembly For Use With Breakaway Anchors	321.39	187.84
34 71 13 26-0087 EA Turnbuckle Cable End Assembly	54.26	9.39
34 71 13 26-0088 EA Spring Cable End Assembly (Compensating Device) For Use With Breakaway Anchors	152.29	4.67
34 71 13 26-0089 EA Spring Cable End Assembly (Compensating Device) Without Turnbuckle	156.46	4.67
34 71 13 26-0090 EA Breakaway Anchor Angle.....	66.78	9.39
34 71 13 26-0091 EA Standard End Post Cap Assembly.....	31.27	4.67
34 71 13 26-0092 EA Driveway End Post Cap Assembly.....	27.09	4.67
34 71 13 26-0093 EA End Post Ground Support Plates.....	16.66	4.67
34 71 13 26-0094 EA 11" Stud Bolt, Cable Guide Rail.....	15.10	4.67
34 71 13 26-0095 EA 18" Stud Bolt, Cable Guide Rail.....	17.18	4.67
34 71 13 26-0096 EA 25" Stud Bolt, Cable Guide Rail.....	19.27	4.67
34 71 13 26-0097 EA 1-1/4" Diameter Turnbuckle, Cable Guide Rail	137.72	9.39
34 71 13 26-0098 EA 1-1/2" Diameter Turnbuckle, Cable Guide Rail	146.07	9.39
34 71 13 26-0099 EA 5/8" Diameter Turnbuckle With 12" Take-up And Shackle Ends, Cable Guide Rail.....	100.16	9.39
34 71 13 26-0100 EA 5/8" Eye Bolt 18" Long, Cable Guide Rail	60.48	4.67
34 71 13 26-0101 EA 3/4" Eye Bolt 8'-6" Long, Cable Guide Rail	66.78	9.39
34 71 13 26-0102 EA 1-5/8" Anchor Rod 10' Long With Plate, Cable Guide Rail.....	75.08	14.06
34 71 13 26-0103 Cable Guide Rail Accessories For Slip Impact Post Systems (34 71 13 26-0074)		
34 71 13 26-0104 EA Turnbuckle Cable End Assembly..... Note: For use with slip impact post.	114.54	12.35
34 71 13 26-0105 EA Spring Cable End Assembly (Compensating Device)..... Note: For use with slip impact post.	214.69	12.35
34 71 13 26-0106 EA Anchor Angle For Slip Impact Post System	70.72	12.35
34 71 13 26-0107 EA Cable End Assembly Rod..... Note: Includes cable end, threaded rod and keeper to anchor angle.	60.29	12.35
34 71 13 26-0108 Cable Guide Rail Repair For Existing Guide Rail (34 71 13 26-0074) Note: All tasks include associated hardware.		
34 71 13 26-0109 LF Retention Existing Cable (Each Cable).....	1.25	
34 71 13 26-0110 LF Removal And Storage Of Cable Guide Railing	7.55	
34 71 13 26-0111 EA Install Stored Post For Cable Guide Railing.....	49.31	
34 71 13 26-0112 LF Install Stored Cable, (Each Cable)..... Note: Includes retensioning. Excludes splices.	3.34	
34 71 13 26-0113 6" x 6" Box Beam Guide Rail (34 71 13 26)		
34 71 13 26-0114 Box Beam Guide Rail, 6" x 6" (34 71 13 26-0113)		
34 71 13 26-0115 Straight Sections, Box Beam Guide Rail (34 71 13 26-0114)		
34 71 13 26-0116 LF Box Beam Guide Railing 6" x 6" x 3/16" Galvanized..... Note: Excludes splices. For Flush Mounting Directly To Structure, Add	16.19 1.83	2.36
34 71 13 26-0117 LF Box Beam Guide Railing 6" x 6" x 3/16" (Rustic)	18.10	2.36
For Flush Mounting Directly To Structure, Add	1.83	
34 71 13 26-0118 Shop Curved, Box Beam Guide Rail (34 71 13 26-0114)		
34 71 13 26-0119 LF Shop Curved Box Beam Guide Railing 6" x 6" x 3/16" Galvanized..... Note: Excludes splices. For Shop Curved At <20' Radius, Add For Flush Mounting Directly To Structure, Add	23.50 2.44 1.83	2.36



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
34 71 13 26-0120 LF Shop Curved Box Beam Guide Railing 6" x 6" x 3/16" (Rustic) Note: Excludes splices. For Shop Curved At <20' Radius, Add For Flush Mounting Directly To Structure, Add	25.41 2.44 1.83	2.36
34 71 13 26-0121 Box Beam Guide Rail End Treatment Sections (34 71 13 26-0113) Note: Includes rail, end cover plate and hardware only. Excludes posts and splice.		
34 71 13 26-0122 EA Box Beam End Piece Guide Railing Section..... Note: Galvanized excludes splices.	246.14	28.12
34 71 13 26-0123 EA Box Beam End Piece Guide Railing Section (Rustic) Note: Excludes splices.	269.09	28.12
34 71 13 26-0124 EA Box Beam Guide Railing End Treatment Section At Driveway, Galvanized Note: Excludes splices.	233.62	28.12
34 71 13 26-0125 EA Box Beam Guide Railing End Treatment Section At Driveway, (Rustic)..... Note: Excludes splices.	241.97	28.12
34 71 13 26-0126 Splices For Box Beam Guide Rail (34 71 13 26-0113)		
34 71 13 26-0127 EA Splice For Box Beam Guide Rail	114.78	41.74
34 71 13 26-0128 EA Splice For Box Beam Guide Rail (Rustic).....	129.38	41.74
34 71 13 26-0129 Box Beam Guide Rail Posts (34 71 13 26-0113) Note: Includes hardware for box beam mounting.		
34 71 13 26-0130 EA Standard Post For Box Beam Guide Rail For Installation Without Soil Plate, Deduct For Installation In Rock, Add	82.69 -5.00 9.86	36.98
34 71 13 26-0131 EA Standard Post (Rustic) for Box Beam Guide Railing..... For Installation Without Soil Plate, Deduct For Installation In Rock, Add	84.78 -5.00 9.86	36.98
34 71 13 26-0132 EA Extra Long Post For Box Beam Guide Rail..... For Installation Without Soil Plate, Deduct For Installation In Rock, Add	86.87 -5.00 9.86	36.98
34 71 13 26-0133 EA Extra Long Post (Rustic) For Box Beam Guide Rail For Installation Without Soil Plate, Deduct For Installation In Rock, Add	88.95 -5.00 9.86	36.98
34 71 13 26-0134 EA Type I End Assembly Post..... For Installation Without Soil Plate, Deduct For Installation In Rock, Add	80.61 -5.00 9.86	36.98
34 71 13 26-0135 EA Type I End Assembly Post (Rustic) For Installation Without Soil Plate, Deduct For Installation In Rock, Add	82.69 -5.00 9.86	36.98
34 71 13 26-0136 EA Type II End Assembly Post..... For Installation Without Soil Plate, Deduct For Installation In Rock, Add	78.52 -5.00 9.86	36.98
34 71 13 26-0137 EA Type II End Assembly Post (Rustic) For Installation Without Soil Plate, Deduct For Installation In Rock, Add	80.61 -5.00 9.86	36.98
34 71 13 26-0138 Box Beam Guide Rail Accessories (34 71 13 26-0113)		
34 71 13 26-0139 EA Box Beam Guide Rail End Cover Plate	36.28	8.44
34 71 13 26-0140 EA Box Beam Guide Rail End Cover Plate (Rustic)	38.36	8.44
34 71 13 26-0141 Box Beam Guide Railing Repair, And Resetting (34 71 13 26-0113) Note: For existing guide rail.		
34 71 13 26-0142 LF Removal And Storage Of Box Beam Guide Rail And Post	3.70	
34 71 13 26-0143 LF Reset Box Beam Guide Rail	10.82	
34 71 13 26-0144 6" x 8" Box Beam Median Barrier (34 71 13 26)		
34 71 13 26-0145 Box Beam Median Barrier, 6" x 8" (34 71 13 26-0144)		
34 71 13 26-0146 Straight Sections, Box Beam Median Barrier (34 71 13 26-0145)		
34 71 13 26-0147 LF Box Beam Median Barrier Galvanized Excludes Splices..... For Flush Mounting Directly To Structure, Add	31.27 1.83	8.44
34 71 13 26-0148 LF Box Beam Median Barrier (Rustic) Excludes Splices For Flush Mounting Directly To Structure, Add	33.18 1.83	8.44
34 71 13 26-0149 Shop Curved, Box Beam Median Barrier (34 71 13 26-0145)		
34 71 13 26-0150 LF Shop Curved Box Beam Median Barrier Galvanized..... Note: Excludes splices. For Shop Curved At <20' Radius, Add For Flush Mounting Directly To Structure, Add	36.29 2.44 1.83	8.44
34 71 13 26-0151 LF Shop Curved Box Beam Median Barrier Rustic..... Note: Excludes splices. For Shop Curved At <20' Radius, Add For Flush Mounting Directly To Structure, Add	42.55 2.44 1.83	8.44

34	Transportation
34 70	Transportation Construction And Equipment
34 71	Roadway Construction



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
34 71 13 26-0152		Box Beam Median Barrier End Treatment Sections (34 71 13 26-0144) Note: Includes rail, end cover plate and hardware. Excludes posts.		
34 71 13 26-0153	EA	Box Beam Median Barrier Type A End Treatment Section, Galvanized Note: Excludes splices and post.	744.81	28.12
34 71 13 26-0154	EA	Box Beam Median Barrier Type A End Treatment Section (Rustic)..... Note: Excludes splices and post.	761.51	28.12
34 71 13 26-0155	EA	Box Beam Median Barrier Type B End Treatment Section, Galvanized Note: Excludes splices and post.	744.81	28.12
34 71 13 26-0156	EA	Box Beam Median Barrier Type B End Treatment Section (Rustic)..... Note: Excludes splices and post.	761.51	28.12
34 71 13 26-0157		Splices For Box Beam Median Barrier (34 71 13 26-0144)		
34 71 13 26-0158	EA	Splice for Box Beam Median Barrier	75.90	22.50
34 71 13 26-0159	EA	Splice for Box Beam Median Barrier (Rustic).....	107.20	22.50
34 71 13 26-0160		Box Beam Median Barrier Posts Driven With Soil Plate (34 71 13 26-0144) Note: Includes all associated hardware.		
34 71 13 26-0161	EA	Standard Post for Box Beam Median Barrier <i>For Installation Without Soil Plate, Deduct</i> <i>For Installation In Rock, Add</i>	82.69 -5.00 9.86	36.98
34 71 13 26-0162	EA	Standard Post (Rustic) for Box Beam Median Barrier..... <i>For Installation Without Soil Plate, Deduct</i> <i>For Installation In Rock, Add</i>	84.78 -5.00 9.86	36.98
34 71 13 26-0163	EA	Extra Long Post for Box Beam Median Barrier <i>For Installation Without Soil Plate, Deduct</i> <i>For Installation In Rock, Add</i>	86.87 -5.00 9.86	36.98
34 71 13 26-0164	EA	Extra Long Post (Rustic) for Box Beam Median Barrier <i>For Installation Without Soil Plate, Deduct</i> <i>For Installation In Rock, Add</i>	88.95 -5.00 9.86	36.98
34 71 13 26-0165	EA	Type B End Treatment or Rub Back Anchor Post for Box Beam Note: For median barrier. <i>For Installation Without Soil Plate, Deduct</i> <i>For Installation In Rock, Add</i>	78.52 -5.00 9.86	36.98
34 71 13 26-0166	EA	Type B End Treatment or Rub Back Anchor Post (Rustic) Note: For box beam median barrier. <i>For Installation Without Soil Plate, Deduct</i> <i>For Installation In Rock, Add</i>	78.52 -5.00 9.86	36.98
34 71 13 26-0167	EA	Type I End Assembly Post for Box Beam Median Barrier to Concrete Note: For median barrier transition. <i>For Installation Without Soil Plate, Deduct</i> <i>For Installation In Rock, Add</i>	86.87 -5.00 9.86	36.98
34 71 13 26-0168	EA	Type I End Assembly Post (Rustic) for Box Beam Median Barrier..... Note: For Concrete median barrier transition. <i>For Installation Without Soil Plate, Deduct</i> <i>For Installation In Rock, Add</i>	88.95 -5.00 9.86	36.98
34 71 13 26-0169		Box Beam Median Barrier Accessories (34 71 13 26-0144)		
34 71 13 26-0170	EA	Box Beam Median Barrier End Cover Plate.....	56.08	19.80
34 71 13 26-0171	EA	Box Beam Median Barrier End Cover Plate (Rustic).....	58.17	19.80
34 71 13 26-0172		Box Beam Median Barrier Repair, And Resetting (34 71 13 26-0144) Note: For existing guide rail.		
34 71 13 26-0173	LF	Remove and Store Box Beam Median Barrier and Posts	3.83	
34 71 13 26-0174	LF	Reset Box Beam Median Barrier.....	11.32	
34 71 13 26-0175		Universal Guide Rail Items (34 71 13 26)		
34 71 13 26-0176		Guide Rail Concrete Anchor Units For All Types Of Guide Rail (34 71 13 26-0175) Note: For cast in place or precast. Includes excavation, formwork, concrete, reinforcement, anchor rods and/or imbedded plate. Excludes anchor angle. For anchor angles and other terminal connections, use accessories section for respective guide rail type.		
34 71 13 26-0177	CY	Guide Rail Concrete Anchor Unit..... <i>For Each Additional Set Of Anchor Rods, Add</i>	587.83 38.00	
34 71 13 26-0178	EA	Reset Existing Anchorage Unit for All Types of Guide Rail..... Note: Includes excavation and backfill.	429.98	
34 71 13 26-0179		Guide Rail Repair For All Types Of Existing Guide Rail (34 71 13 26-0175) Note: All tasks include associated hardware.		
34 71 13 26-0180	EA	Straighten And Reset Post Mounted On Concrete For Guide Rail..... Note: With base plate for guide rail. Includes new anchor bolts.	52.31	
34 71 13 26-0181		Additional Wood and Steel Posts (34 71 13 26-0175)		
34 71 13 26-0182	LF	4" x 6" Wood Post <i>For Installation In Rock, Add</i>	26.38 3.29	12.36
34 71 13 26-0183	LF	6" x 8" Wood Post..... <i>For Installation In Rock, Add</i>	29.51 3.29	12.36



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
34 71 13 26-0184 LF 6" x 7/8" Steel Post Galvanized <i>For Installation In Rock, Add</i>	22.38	12.36
34 71 13 26-0185 EA Base Plate With Anchor Bolts For Mounting Post On Concrete.....	158.90	12.35
34 71 13 26-0186 Accessories For All Types of Guide Rail (34 71 13 26-0175)		
34 71 13 26-0187 EA Reflector, Guard Rail	15.67	
34 71 13 26-0188 Guide Rail Transitions (34 71 13 26)		
34 71 13 26-0189 Transition Box Beam Guide Rail To Corrugated Beam (34 71 13 26-0188)		
34 71 13 26-0190 EA Box Beam To Corrugated Beam Rail Bolted Section.....	375.64	
34 71 13 26-0191 EA Box Beam To Corrugated Beam Rail Bolted Plate	292.18	
<i>Note: For making cable connections.</i>		
34 71 13 26-0192 Transition Box Beam Median Barrier To Corrugated Beam Median (34 71 13 26-0188)		
34 71 13 26-0193 EA Box Beam Median Barrier To Corrugated Beam Bolted Section	379.81	
34 71 13 26-0194 EA Box Beam Median Barrier To Corrugated Beam Harness Plate	292.18	
<i>Note: For making cable connections.</i>		
34 71 13 26-0195 Transition Box Beam Guide Rail To Cable Guide Rail (34 71 13 26-0188)		
34 71 13 26-0196 EA Box Beam to Cable Guide Rail U-bolt And Plate	45.90	15.00
34 71 13 26-0197 Transition Box Beam Median Barrier To Concrete Median Barrier (34 71 13 26-0188)		
34 71 13 26-0198 EA Box Beam Median Barrier To Concrete Barrier End Connection.....	459.10	
34 71 13 26-0199 Transition Thrie Beam To Concrete Median Barrier (34 71 13 26-0188)		
34 71 13 26-0200 EA Thrie Beam Terminal Connector At Concrete Median Barrier.....	354.77	
34 71 13 26-0201 EA Thrie Beam Transition Section To Corrugated Beam Guide Rail.....	406.94	
34 71 13 26-0202 Resilient Guard Fence And Light Shield (34 71 13 26)		
34 71 13 26-0203 LF Resilient Guard Fence And Light Shield, Up To 6' High	52.95	5.78
34 71 13 26-0204 Individual Concrete Posts (34 71 13 26)		
34 71 13 26-0205 EA 6'-5" Concrete Posts, Round.....	78.22	5.78
34 71 13 26-0206 EA 6'-5" Concrete Posts, Square.....	87.44	6.51
34 71 13 26-0207 EA 6'-5" Concrete Posts, Triangular.....	85.05	6.51
34 71 16 Impact Attenuating Devices (34 71)		
34 71 16 00-0001 Guard Rail Energy Absorbing Terminals (34 71 16)		
<i>Note: Crushable foam cartridges surrounded by steel guardrail for narrow hazards. QuadGuard System as manufactured by Energy Absorption Systems, Inc.</i>		
34 71 16 00-0002 24" Wide Guard Rail Energy Absorbing Terminals (34 71 16 00-0001)		
34 71 16 00-0003 EA 24" Wide, 3 Cartridge Bays, Energy Absorbing Crash Attenuator	17,405.20	2,651.27
34 71 16 00-0004 EA 24" Wide, 5 Cartridge Bays Energy Absorbing Crash Attenuator	23,840.12	3,535.03
34 71 16 00-0005 EA 24" Wide, 7 Cartridge Bays Energy Absorbing Crash Attenuator	32,118.54	4,639.73
34 71 16 00-0006 EA 24" Wide, 9 Cartridge Bays Energy Absorbing Crash Attenuator	37,027.13	5,744.43
34 71 16 00-0007 30" Wide Guard Rail Energy Absorbing Terminals (34 71 16 00-0001)		
34 71 16 00-0008 EA 30" Wide, 3 Cartridge Bays, Energy Absorbing Crash Attenuator	19,030.58	2,982.69
34 71 16 00-0009 EA 30" Wide, 5 Cartridge Bays, Energy Absorbing Crash Attenuator	26,107.80	3,976.91
34 71 16 00-0010 EA 30" Wide, 7 Cartridge Bays, Energy Absorbing Crash Attenuator	35,479.76	5,302.55
34 71 16 00-0011 EA 30" Wide, 9 Cartridge Bays, Energy Absorbing Crash Attenuator	41,389.17	6,407.24
34 71 16 00-0012 36" Wide Guard Rail Energy Absorbing Terminals (34 71 16 00-0001)		
34 71 16 00-0013 EA 36" Wide, 3 Cartridge Bays, Energy Absorbing Crash Attenuator	20,666.20	3,314.09
34 71 16 00-0014 EA 36" Wide, 5 Cartridge Bays, Energy Absorbing Crash Attenuator	28,385.16	4,418.79
34 71 16 00-0015 EA 36" Wide, 7 Cartridge Bays, Energy Absorbing Crash Attenuator	38,390.10	5,854.89
34 71 16 00-0016 EA 36" Wide, 9 Cartridge Bays, Energy Absorbing Crash Attenuator	45,740.25	7,070.06
34 71 16 00-0017 69" Wide Guard Rail Energy Absorbing Terminals (34 71 16 00-0001)		
34 71 16 00-0018 EA 69" Wide, 3 Cartridge Bays, Energy Absorbing Crash Attenuator	22,507.26	3,645.50
34 71 16 00-0019 EA 69" Wide, 5 Cartridge Bays, Energy Absorbing Crash Attenuator	30,742.48	4,860.67
34 71 16 00-0020 EA 69" Wide, 7 Cartridge Bays, Energy Absorbing Crash Attenuator	41,619.17	6,407.24
34 71 16 00-0021 EA 69" Wide, 9 Cartridge Bays, Energy Absorbing Crash Attenuator	49,430.36	7,732.88

34 Transportation**34 70 Transportation Construction And Equipment****34 71 Roadway Construction**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
34 71 16 00-0022 90" Wide Guard Rail Energy Absorbing Terminals <small>(34 71 16 00-0001)</small>		
34 71 16 00-0023 EA 90" Wide, 3 Cartridge Bays, Energy Absorbing Crash Attenuator	24,377.80	3,976.91
34 71 16 00-0024 EA 90" Wide, 5 Cartridge Bays, Energy Absorbing Crash Attenuator	33,134.76	5,302.55
34 71 16 00-0025 EA 90" Wide, 7 Cartridge Bays, Energy Absorbing Crash Attenuator	45,360.25	7,070.06
34 71 16 00-0026 EA 90" Wide, 9 Cartridge Bays, Energy Absorbing Crash Attenuator	53,183.80	8,395.70
34 71 19 Vehicle Delineators <small>(34 71)</small>		
34 71 19 16 Flexible Vehicle Delineators <small>(34 71 19)</small>		
34 71 19 16-0001 EA 2' High, 3" Diameter Flexible Fixed Stanchion Delineator.....	58.09	7.22

END OF SECTION 34



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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35 Waterway and Marine Construction

35 01 Operation And Maintenance Of Waterway and Marine Construction⁽³⁵⁾

35 01 70 Operation And Maintenance Of Dams^(35 01)

35 01 70 00-0001 Drilling And Pressure Grouting^(35 01 70)

35 01 70 00-0002 From Top Of The Dam^(35 01 70 00-0001)

35 01 70 00-0003	LF	Pressure Grout, Top Of Dam, In Concrete, Drill 3" Nominal Grout Hole.....	75.41
35 01 70 00-0004	LF	Pressure Grout, Top Of Dam, In Rock, Drill 3" Nominal Grout Hole.....	87.92
35 01 70 00-0005	LF	Pressure Grout, Install Guide Sleeves 3-1/2" Inside Diameter, Top Of Dam.....	99.62
35 01 70 00-0006	EA	Pressure Grout, Hydraulic Pressure Test Top Of Dam.....	563.35
35 01 70 00-0007	EA	Pressure Grout, Grout Hook-Up Top Of Dam.....	308.48
35 01 70 00-0008	CWT	Pressure Grout, Portland Cement Top Of Dam.....	45.85
35 01 70 00-0009	CWT	Pressure Grout, Fluidifier In Grout Top Of Dam.....	135.01
35 01 70 00-0010	CF	Pressure Grout, Place Grout Except Hook-Ups, Top Of Dam.....	47.14

35 01 70 00-0011 Large Diameter Holes - Rotary Drilled^(35 01 70 00-0001)

35 01 70 00-0012 From Top Of The Dam^(35 01 70 00-0011)

35 01 70 00-0013	LF	Pressure Grout, Rotary Drilled Top Of Dam, 6" Nominal Diameter, Vertical.....	113.38
35 01 70 00-0014	LF	Pressure Grout, Rotary Drilled Top Of Dam, 6" Nominal Diameter, Inclined.....	123.39
35 01 70 00-0015	LF	Pressure Grout, Rotary Drilled Top Of Dam, 9" Nominal Diameter, Vertical.....	177.15
35 01 70 00-0016	LF	Pressure Grout, Rotary Drilled Top Of Dam, 9" Nominal Diameter, Inclined.....	196.13

35 05 Common Work Results for Waterway and Marine Construction⁽³⁵⁾

35 05 70 Common Work Results for Dams^(35 05)

35 05 70 00-0001 Rubber Dam Repair^(35 05 70)

35 05 70 00-0002	EA	Class A Rubber Dam Repair (Bullet And Similar Holes).....	26.32
35 05 70 00-0003	SF	Class B Rubber Dam Repair (Minor Surface Rubber Damage).....	51.28
35 05 70 00-0004	SF	Class C Rubber Dam Repair (Major Surface Rubber Damage).....	76.09
35 05 70 00-0005	SF	Class D Rubber Dam Repair (Serious Surface Rubber Damage), Per Layer Of Material.....	84.21

35 20 Waterway and Marine Construction and Equipment⁽³⁵⁾

35 20 16 Hydraulic Gates^(35 20)

35 20 16 26 Hydraulic Sluice Gates^(35 20 16)

35 20 16 26-0001 Heavy Duty Cast Iron Sluice Gates Self Contained^(35 20 16 26)

Note: Includes crank operated geared gate lift, anchor bolts, and grouting.

35 20 16 26-0002	EA	18" x 18" Heavy Duty Sluice Gates Self Contained With Crank Operated Gate.....	8,201.87	938.20
		<i>For Electric Motor Operated Valve, Add</i>	<i>1,037.65</i>	
35 20 16 26-0003	EA	24" x 24" Heavy Duty Sluice Gates Self Contained With Crank Operated Gate.....	11,743.59	1,407.35
		<i>For Electric Motor Operated Valve, Add</i>	<i>1,131.47</i>	
35 20 16 26-0004	EA	30" x 30" Heavy Duty Sluice Gates Self Contained With Crank Operated Gate.....	14,139.65	1,563.76
		<i>For Electric Motor Operated Valve, Add</i>	<i>1,162.74</i>	
35 20 16 26-0005	EA	36" x 36" Heavy Duty Sluice Gates Self Contained With Crank Operated Gate.....	16,231.58	1,759.19
		<i>For Electric Motor Operated Valve, Add</i>	<i>1,201.84</i>	
35 20 16 26-0006	EA	42" x 42" Heavy Duty Sluice Gates Self Contained With Crank Operated Gate.....	18,214.12	2,010.49
		<i>For Electric Motor Operated Valve, Add</i>	<i>1,252.10</i>	
35 20 16 26-0007	EA	48" x 48" Heavy Duty Sluice Gates Self Contained With Crank Operated Gate.....	21,507.90	2,814.69
		<i>For Electric Motor Operated Valve, Add</i>	<i>1,412.94</i>	
35 20 16 26-0008	EA	54" x 54" Heavy Duty Sluice Gates Self Contained With Crank Operated Gate.....	34,455.25	4,259.54
		<i>For Electric Motor Operated Valve, Add</i>	<i>1,701.91</i>	
35 20 16 26-0009	EA	60" x 60" Heavy Duty Sluice Gates Self Contained With Crank Operated Gate.....	43,011.10	7,036.74
		<i>For Electric Motor Operated Valve, Add</i>	<i>2,257.35</i>	
35 20 16 26-0010	EA	66" x 66" Heavy Duty Sluice Gates Self Contained With Crank Operated Gate.....	49,263.66	7,036.74
		<i>For Electric Motor Operated Valve, Add</i>	<i>2,257.35</i>	
35 20 16 26-0011	EA	72" x 72" Heavy Duty Sluice Gates Self Contained With Crank Operated Gate.....	54,313.26	9,357.35
		<i>For Electric Motor Operated Valve, Add</i>	<i>2,721.47</i>	
35 20 16 26-0012	EA	78" x 78" Heavy Duty Sluice Gates Self Contained With Crank Operated Gate.....	60,667.27	9,357.35
		<i>For Electric Motor Operated Valve, Add</i>	<i>3,121.47</i>	
35 20 16 26-0013	EA	84" x 84" Heavy Duty Sluice Gates Self Contained With Crank Operated Gate.....	77,384.61	14,073.47
		<i>For Electric Motor Operated Valve, Add</i>	<i>4,064.70</i>	
35 20 16 26-0014	EA	90" x 90" Heavy Duty Sluice Gates Self Contained With Crank Operated Gate.....	76,015.31	7,907.43
		<i>For Electric Motor Operated Valve, Add</i>	<i>2,831.49</i>	
35 20 16 26-0015	EA	96" x 96" Heavy Duty Sluice Gates Self Contained With Crank Operated Gate.....	85,399.36	7,907.43
		<i>For Electric Motor Operated Valve, Add</i>	<i>2,831.49</i>	

35 Waterway and Marine Construction
35 20 Waterway and Marine Construction and Equipment
35 20 16 Hydraulic Gates



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
35 20 16 26-0016 EA 108" x 108" Heavy Duty Sluice Gates Self Contained With Crank Operated Gate <i>For Electric Motor Operated Valve, Add</i>	108,566.31 3,353.04	10,515.20
35 20 16 26-0017 EA 120" x 120" Heavy Duty Sluice Gates Self Contained With Crank Operated Gate <i>For Electric Motor Operated Valve, Add</i>	139,900.02 4,412.97	15,814.85
35 20 16 26-0018 EA 132" x 132" Heavy Duty Sluice Gates Self Contained With Crank Operated Gate <i>For Electric Motor Operated Valve, Add</i>	166,876.56 4,412.97	15,814.85
35 20 16 61 Other Hydraulic Gates (35 20 16)		
35 20 16 61-0001 Steel Slide Gates Self Contained (35 20 16 61)		
Note: Includes anchors and bolts.		
35 20 16 61-0002 EA 12" x 12" Steel Slide Gates Self Contained Including Anchor Bolts And Grouting <i>For Electric Motor Operated Valve, Add</i>	2,817.96 920.37	351.84
35 20 16 61-0003 EA 18" x 18" Steel Slide Gates Self Contained Including Anchor Bolts And Grouting <i>For Electric Motor Operated Valve, Add</i>	3,762.67 930.42	402.09
35 20 16 61-0004 EA 24" x 24" Steel Slide Gates Self Contained Including Anchor Bolts And Grouting <i>For Electric Motor Operated Valve, Add</i>	4,292.18 943.82	469.15
35 20 16 61-0005 EA 30" x 30" Steel Slide Gates Self Contained Including Anchor Bolts And Grouting <i>For Electric Motor Operated Valve, Add</i>	5,187.12 962.59	562.94
35 20 16 61-0006 EA 36" x 36" Steel Slide Gates Self Contained Including Anchor Bolts And Grouting <i>For Electric Motor Operated Valve, Add</i>	6,639.82 990.74	703.68
35 20 16 61-0007 EA 42" x 42" Steel Slide Gates Self Contained Including Anchor Bolts And Grouting <i>For Electric Motor Operated Valve, Add</i>	7,770.60 1,037.65	938.20
35 20 16 61-0008 EA 48" x 48" Steel Slide Gates Self Contained Including Anchor Bolts And Grouting <i>For Electric Motor Operated Valve, Add</i>	10,640.57 1,131.47	1,407.35
35 20 16 61-0009 EA 54" x 54" Steel Slide Gates Self Contained Including Anchor Bolts And Grouting <i>For Electric Motor Operated Valve, Add</i>	16,192.65 1,201.84	1,759.19
35 20 16 61-0010 EA 60" x 60" Steel Slide Gates Self Contained Including Anchor Bolts And Grouting <i>For Electric Motor Operated Valve, Add</i>	21,068.21 1,412.94	2,814.69
35 20 16 61-0011 EA 72" x 72" Steel Slide Gates Self Contained Including Anchor Bolts And Grouting <i>For Electric Motor Operated Valve, Add</i>	26,733.88 1,788.23	4,691.20
35 20 16 61-0012 SF Over 36 SF Steel Slide Gates Self Contained Including Anchor <i>For Electric Motor Operated Valve, Add</i>	741.50 1,575.94	129.67
35 20 16 61-0013 Cast Iron Canal Gates (35 20 16 61)		
35 20 16 61-0014 EA 12" Diameter Canal Gates <i>For Electric Motor Operated Valve, Add</i>	1,186.32 920.37	351.84
35 20 16 61-0015 EA 18" Diameter Canal Gates <i>For Electric Motor Operated Valve, Add</i>	1,598.50 930.42	402.09
35 20 16 61-0016 EA 20" Diameter Canal Gates <i>For Electric Motor Operated Valve, Add</i>	1,804.25 937.96	439.79
35 20 16 61-0017 EA 24" Diameter Canal Gates <i>For Electric Motor Operated Valve, Add</i>	2,086.94 943.82	469.15
35 20 16 61-0018 EA 30" Diameter Canal Gates <i>For Electric Motor Operated Valve, Add</i>	2,979.84 962.59	562.94
35 20 16 61-0019 EA 36" Diameter Canal Gates <i>For Electric Motor Operated Valve, Add</i>	3,683.40 990.74	703.68
35 20 16 61-0020 EA 42" Diameter Canal Gates <i>For Electric Motor Operated Valve, Add</i>	5,915.66 1,037.65	938.20
35 20 16 61-0021 EA 48" Diameter Canal Gates <i>For Electric Motor Operated Valve, Add</i>	7,936.69 1,131.47	1,407.35
35 20 16 61-0022 EA 54" Diameter Canal Gates <i>For Electric Motor Operated Valve, Add</i>	11,017.93 1,201.84	1,759.19
35 20 16 61-0023 EA 60" Diameter Canal Gates <i>For Electric Motor Operated Valve, Add</i>	14,769.21 1,412.94	2,814.69
35 20 16 61-0024 EA 66" Diameter Canal Gates <i>For Electric Motor Operated Valve, Add</i>	20,037.65 1,553.67	3,518.37
35 20 16 61-0025 EA 72" Diameter Canal Gates <i>For Electric Motor Operated Valve, Add</i>	24,848.06 1,788.23	4,691.20
35 20 16 61-0026 Aluminum Flap Gates (35 20 16 61)		
35 20 16 61-0027 EA 18" Diameter Aluminum Flap Gates <i>For Electric Motor Operated Valve, Add</i>	2,615.95 920.37	351.84
35 20 16 61-0028 EA 20" Diameter Aluminum Flap Gates <i>For Electric Motor Operated Valve, Add</i>	2,910.73 925.39	376.97
35 20 16 61-0029 EA 24" Diameter Aluminum Flap Gates <i>For Electric Motor Operated Valve, Add</i>	3,202.94 930.42	402.09
35 20 16 61-0030 EA 30" Diameter Aluminum Flap Gates <i>For Electric Motor Operated Valve, Add</i>	4,338.23 943.82	469.15
35 20 16 61-0031 EA 36" Diameter Aluminum Flap Gates <i>For Electric Motor Operated Valve, Add</i>	5,377.13 962.59	562.94
35 20 16 61-0032 EA 42" Diameter Aluminum Flap Gates <i>For Electric Motor Operated Valve, Add</i>	7,606.10 990.74	703.68
35 20 16 61-0033 EA 48" Diameter Aluminum Flap Gates <i>For Electric Motor Operated Valve, Add</i>	9,626.47 1,037.65	938.20
35 20 16 61-0034 EA 54" Diameter Aluminum Flap Gates <i>For Electric Motor Operated Valve, Add</i>	12,464.69 1,131.47	1,407.35
35 20 16 61-0035 EA 60" Diameter Aluminum Flap Gates <i>For Electric Motor Operated Valve, Add</i>	16,485.33 1,252.10	2,010.49
35 20 16 61-0036 EA 66" Diameter Aluminum Flap Gates <i>For Electric Motor Operated Valve, Add</i>	21,329.94 1,412.94	2,814.69



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
35 20 16 61-0037 EA 72" Diameter Aluminum Flap Gates..... <i>For Electric Motor Operated Valve, Add</i>	26,627.82 1,654.20	4,021.00
 35 20 16 61-0038 Steel Knife Gates Including Handwheel Operator <small>(35 20 16 61)</small>		
Note: ANSI 150 PSI. for hub, flange, or spigot ends.		
35 20 16 61-0039 EA 6" Diameter Knife Gates Including Handwheel Operator For Hub..... <i>For Electric Motor Operated Valve, Add</i>	1,476.65 879.03	145.14
35 20 16 61-0040 EA 8" Diameter Knife Gates Including Handwheel Operator For Hub..... <i>For Electric Motor Operated Valve, Add</i>	1,977.73 883.86	169.29
35 20 16 61-0041 EA 10" Diameter Knife Gates Including Handwheel Operator For Hub..... <i>For Electric Motor Operated Valve, Add</i>	2,783.95 900.80	253.98
35 20 16 61-0042 EA 12" Diameter Knife Gates Including Handwheel Operator For Hub..... <i>For Electric Motor Operated Valve, Add</i>	3,484.04 917.73	338.68
35 20 16 61-0043 EA 14" Diameter Knife Gates Including Handwheel Operator For Hub..... <i>For Electric Motor Operated Valve, Add</i>	4,253.62 922.57	362.83
35 20 16 61-0044 EA 16" Diameter Knife Gates Including Handwheel Operator For Hub..... <i>For Electric Motor Operated Valve, Add</i>	5,483.34 928.15	390.72
35 20 16 61-0045 EA 18" Diameter Knife Gates Including Handwheel Operator For Hub..... <i>For Electric Motor Operated Valve, Add</i>	7,256.72 931.28	406.37
35 20 16 61-0046 EA 20" Diameter Knife Gates Including Handwheel Operator For Hub..... <i>For Electric Motor Operated Valve, Add</i>	9,059.71 942.36	461.83
35 20 16 61-0047 EA 24" Diameter Knife Gates Including Handwheel Operator For Hub..... <i>For Electric Motor Operated Valve, Add</i>	11,590.41 951.59	507.96
35 20 16 61-0048 EA 30" Diameter Knife Gates Including Handwheel Operator For Hub..... <i>For Electric Motor Operated Valve, Add</i>	21,023.66 985.46	677.25
35 20 16 61-0049 EA 36" Diameter Knife Gates Including Handwheel Operator For Hub..... <i>For Electric Motor Operated Valve, Add</i>	28,004.42 1,053.19	1,015.93
 35 20 16 61-0050 Steel Hollow Jet Flow Gate Valve <small>(35 20 16 61)</small>		
35 20 16 61-0051 EA 6" Diameter Jet Flow Gate Valve Including Handwheel Operator For Hub..... <i>For Electric Motor Operated Valve, Add</i>	1,345.36 878.15	140.74
35 20 16 61-0052 EA 8" Diameter Jet Flow Gate Valve Including Handwheel Operator For Hub..... <i>For Electric Motor Operated Valve, Add</i>	2,079.61 882.87	164.36
35 20 16 61-0053 EA 10" Diameter Jet Flow Gate Valve Including Handwheel Operator For Hub..... <i>For Electric Motor Operated Valve, Add</i>	2,500.38 899.26	246.29
35 20 16 61-0054 EA 12" Diameter Jet Flow Gate Valve Including Handwheel Operator For Hub..... <i>For Electric Motor Operated Valve, Add</i>	3,188.64 915.65	328.22
35 20 16 61-0055 EA 14" Diameter Jet Flow Gate Valve Including Handwheel Operator For Hub..... <i>For Electric Motor Operated Valve, Add</i>	4,790.38 920.37	351.84
35 20 16 61-0056 EA 16" Diameter Jet Flow Gate Valve Including Handwheel Operator For Hub..... <i>For Electric Motor Operated Valve, Add</i>	5,775.05 925.80	378.97
35 20 16 61-0057 EA 18" Diameter Jet Flow Gate Valve Including Handwheel Operator For Hub..... <i>For Electric Motor Operated Valve, Add</i>	9,691.75 928.82	394.05
35 20 16 61-0058 EA 20" Diameter Jet Flow Gate Valve Including Handwheel Operator For Hub..... <i>For Electric Motor Operated Valve, Add</i>	12,186.15 939.57	447.84
35 20 16 61-0059 EA 24" Diameter Jet Flow Gate Valve Including Handwheel Operator For Hub..... <i>For Electric Motor Operated Valve, Add</i>	17,516.57 948.53	492.57
35 20 16 61-0060 EA 30" Diameter Jet Flow Gate Valve Including Handwheel Operator For Hub..... <i>For Electric Motor Operated Valve, Add</i>	21,460.72 981.38	656.93
35 20 16 61-0061 EA 36" Diameter Jet Flow Gate Valve Including Handwheel Operator For Hub..... <i>For Electric Motor Operated Valve, Add</i>	30,627.89 1,047.00	985.14
35 20 16 61-0062 EA 42" Diameter Jet Flow Gate Valve Including Handwheel Operator For Hub..... <i>For Electric Motor Operated Valve, Add</i>	36,504.29 1,491.32	1,206.29
35 20 16 61-0063 EA 48" Diameter Jet Flow Gate Valve Including Handwheel Operator For Hub..... <i>For Electric Motor Operated Valve, Add</i>	43,285.73 1,531.47	1,407.35
35 20 16 61-0064 EA 54" Diameter Jet Flow Gate Valve Including Handwheel Operator For Hub..... <i>For Electric Motor Operated Valve, Add</i>	56,999.32 1,601.84	1,759.19
35 20 16 61-0065 EA 60" Diameter Jet Flow Gate Valve Including Handwheel Operator For Hub..... <i>For Electric Motor Operated Valve, Add</i>	63,490.84 1,672.37	2,111.02
35 20 16 61-0066 EA 66" Diameter Jet Flow Gate Valve Including Handwheel Operator For Hub..... <i>For Electric Motor Operated Valve, Add</i>	81,036.65 1,833.48	2,915.22
 35 20 16 61-0067 Steel Dish Head Valve <small>(35 20 16 61)</small>		
35 20 16 61-0068 EA 12" Diameter Dish Head Valve	1,717.64	351.84
35 20 16 61-0069 EA 18" Diameter Dish Head Valve	2,472.93	402.09
35 20 16 61-0070 EA 20" Diameter Dish Head Valve	2,846.73	439.79
35 20 16 61-0071 EA 24" Diameter Dish Head Valve	3,351.53	469.15
35 20 16 61-0072 EA 30" Diameter Dish Head Valve	5,020.83	562.94
35 20 16 61-0073 EA 36" Diameter Dish Head Valve	6,189.04	703.68
35 20 16 61-0074 EA 42" Diameter Dish Head Valve	10,362.29	938.20
35 20 16 61-0075 EA 48" Diameter Dish Head Valve	13,575.37	1,407.35
35 20 16 61-0076 EA 54" Diameter Dish Head Valve	19,274.01	1,759.19
35 20 16 61-0077 EA 60" Diameter Dish Head Valve	24,830.99	2,814.69
35 20 16 61-0078 EA 66" Diameter Dish Head Valve	34,350.00	3,518.37
35 20 16 61-0079 EA 72" Diameter Dish Head Valve	41,873.88	4,691.20
 35 20 19 Hydraulic Valves <small>(35 20)</small>		
35 20 19 13 Hydraulic Butterfly Valves <small>(35 20 19)</small>		

35	Waterway and Marine Construction
35 20	Waterway and Marine Construction and Equipment
35 20 19	Hydraulic Valves



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
35 20 19 13-0001 IN Butterfly Valve, Cast Iron, Custom Made, >54" Diameter, Per Inch Of Diameter Of Valve.....	723.37	75.39
35 20 23 Dredging <small>(35 20)</small>		
35 20 23 13 Mechanical Dredging <small>(35 20 23)</small>		
35 20 23 13-0001 Dredging, Barge Mounted <small>(35 20 23 13)</small>		
See CSI section 01 74 19 00-0038 for hauling material from shore or barge, 31 23 16 33-0019 for loading.		
35 20 23 13-0002 CY Barge Mounted Clamshell Excavation Into Scows, Dumping Up To 10 Miles	18.74	
Note: Includes tugboat to move scows or barge.		
35 20 23 13-0003 CY Barge Mounted Dragline Or Clamshell, Hopper Dumped, Pumped 1,000' To Shore.....	16.86	
Note: Includes tugboat to move barge.		
35 20 23 13-0004 CY Hydraulic Dredge Excavation Into Scows, Dumping Up To 10 Miles.....	18.67	
Note: Includes tugboat to move scows or barge.		
35 20 23 13-0005 CY Hydraulic Dredge Excavation, Pumped 1,000' To Shore	15.66	
Note: Includes tugboat to move barge.		
35 20 23 13-0006 EA Dredge Excavation Mobilization And Demobilization.....	16,865.56	
<i>For Inlet Rivers And Canals, Deduct</i>		
	-4,216.39	
35 20 23 23 Hydraulic Dredging <small>(35 20 23)</small>		
35 20 23 23-0001 Dredging, Shoreline Excavators <small>(35 20 23 23)</small>		
35 20 23 23-0002 CY Back Hoe, 1 CY Bucket, Dredging From Shore	10.98	
35 20 23 23-0003 CY Hydraulic Excavator, 2 CY Bucket, Dredging From Shore.....	7.31	

END OF SECTION 35



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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40 Process Interconnections

40 05 Common Work Results For Process Interconnections ⁽⁴⁰⁾

40 05 19 Ductile Iron Process Pipe ^(40 05)

40 05 19 00-0001 Flanged End, Cement Lined, Bituminous Seal Coat, Ductile Iron Piping ^(40 05 19)

Note: 350 PSI rating for 2" - 24" sizes, 250 PSI rating for 30" - 48" sizes. Pipe barrels conform to ANSI/AWWA C151/A21.51. The bolt holes are aligned per ANSI/AWWA C115/A21.15. Flanged fittings conform to ANSI/AWWA C110/A21.10. Interiors shall be cement lined in accordance with ANSI/AWWA C104/A21.04. Exterior shall be bituminous coating, in accordance with ANSI/AWWA C104/A21.04.

40 05 19 00-0002 Flanged End (FxF), Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe ^(40 05 19 00-0001)

40 05 19 00-0003 4" Flanged End (FxF), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe ^(40 05 19 00-0002)

40 05 19 00-0004	EA 4" Flanged (FxF), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	490.89	195.68
	For Class 52 Rating, Deduct	-21.38	
	For Class 54 Rating, Add	14.58	
	For Class 55 Rating, Add	32.41	
40 05 19 00-0005	EA 4" Flanged (FxF), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	516.87	199.10
	For Class 52 Rating, Deduct	-23.67	
	For Class 54 Rating, Add	16.14	
	For Class 55 Rating, Add	35.87	
40 05 19 00-0006	EA 4" Flanged (FxF), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	542.86	202.52
	For Class 52 Rating, Deduct	-25.96	
	For Class 54 Rating, Add	17.70	
	For Class 55 Rating, Add	39.34	
40 05 19 00-0007	EA 4" Flanged (FxF), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	568.84	205.94
	For Class 52 Rating, Deduct	-28.25	
	For Class 54 Rating, Add	19.26	
	For Class 55 Rating, Add	42.81	
40 05 19 00-0008	EA 4" Flanged (FxF), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	594.81	209.36
	For Class 52 Rating, Deduct	-30.54	
	For Class 54 Rating, Add	20.82	
	For Class 55 Rating, Add	46.28	
40 05 19 00-0009	EA 4" Flanged (FxF), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	620.80	212.79
	For Class 52 Rating, Deduct	-32.82	
	For Class 54 Rating, Add	22.38	
	For Class 55 Rating, Add	49.74	
40 05 19 00-0010	EA 4" Flanged (FxF), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	646.78	216.20
	For Class 52 Rating, Deduct	-35.11	
	For Class 54 Rating, Add	23.94	
	For Class 55 Rating, Add	53.21	
40 05 19 00-0011	EA 4" Flanged (FxF), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	672.77	219.63
	For Class 52 Rating, Deduct	-37.40	
	For Class 54 Rating, Add	25.50	
	For Class 55 Rating, Add	56.68	
40 05 19 00-0012	EA 4" Flanged (FxF), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	698.75	223.05
	For Class 52 Rating, Deduct	-39.69	
	For Class 54 Rating, Add	27.06	
	For Class 55 Rating, Add	60.15	
40 05 19 00-0013	EA 4" Flanged (FxF), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	724.74	226.47
	For Class 52 Rating, Deduct	-41.98	
	For Class 54 Rating, Add	28.62	
	For Class 55 Rating, Add	63.61	
40 05 19 00-0014	EA 4" Flanged (FxF), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	750.72	229.89
	For Class 52 Rating, Deduct	-44.26	
	For Class 54 Rating, Add	30.18	
	For Class 55 Rating, Add	67.08	
40 05 19 00-0015	EA 4" Flanged (FxF), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	776.70	233.32
	For Class 52 Rating, Deduct	-46.55	
	For Class 54 Rating, Add	31.74	
	For Class 55 Rating, Add	70.55	
40 05 19 00-0016	EA 4" Flanged (FxF), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	802.69	236.73
	For Class 52 Rating, Deduct	-48.84	
	For Class 54 Rating, Add	33.30	
	For Class 55 Rating, Add	74.01	
40 05 19 00-0017	EA 4" Flanged (FxF), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	828.67	240.16
	For Class 52 Rating, Deduct	-51.13	
	For Class 54 Rating, Add	34.86	
	For Class 55 Rating, Add	77.48	
40 05 19 00-0018	EA 4" Flanged (FxF), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	854.66	243.57
	For Class 52 Rating, Deduct	-53.42	
	For Class 54 Rating, Add	36.42	
	For Class 55 Rating, Add	80.95	
40 05 19 00-0019	EA 4" Flanged (FxF), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	880.64	246.99
	For Class 52 Rating, Deduct	-55.70	
	For Class 54 Rating, Add	37.98	
	For Class 55 Rating, Add	84.42	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0020 EA 4" Flanged (FxF), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	906.61	250.42
For Class 52 Rating, Deduct	-57.99	
For Class 54 Rating, Add	39.54	
For Class 55 Rating, Add	87.88	
40 05 19 00-0021 EA 4" Flanged (FxF), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	932.60	253.83
For Class 52 Rating, Deduct	-60.28	
For Class 54 Rating, Add	41.10	
For Class 55 Rating, Add	91.35	
40 05 19 00-0022 EA 4" Flanged (FxF), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	958.58	257.26
For Class 52 Rating, Deduct	-62.57	
For Class 54 Rating, Add	42.66	
For Class 55 Rating, Add	94.82	
40 05 19 00-0023 EA 4" Flanged (FxF), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	984.57	260.68
For Class 52 Rating, Deduct	-64.86	
For Class 54 Rating, Add	44.22	
For Class 55 Rating, Add	98.29	
40 05 19 00-0024 EA 4" Flanged (FxF), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,010.55	264.10
For Class 52 Rating, Deduct	-67.14	
For Class 54 Rating, Add	45.78	
For Class 55 Rating, Add	101.75	
40 05 19 00-0025 EA 4" Flanged (FxF), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,036.54	267.52
For Class 52 Rating, Deduct	-69.43	
For Class 54 Rating, Add	47.34	
For Class 55 Rating, Add	105.22	
40 05 19 00-0026 EA 4" Flanged (FxF), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,062.52	270.94
For Class 52 Rating, Deduct	-71.72	
For Class 54 Rating, Add	48.90	
For Class 55 Rating, Add	108.69	
40 05 19 00-0027 EA 4" Flanged (FxF), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,088.50	274.36
For Class 52 Rating, Deduct	-74.01	
For Class 54 Rating, Add	50.46	
For Class 55 Rating, Add	112.16	
40 05 19 00-0028 EA 4" Flanged (FxF), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,114.49	277.79
For Class 52 Rating, Deduct	-76.30	
For Class 54 Rating, Add	52.02	
For Class 55 Rating, Add	115.62	
40 05 19 00-0029 EA 4" Flanged (FxF), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,140.47	281.20
For Class 52 Rating, Deduct	-78.58	
For Class 54 Rating, Add	53.58	
For Class 55 Rating, Add	119.09	
40 05 19 00-0030 EA 4" Flanged (FxF), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,166.46	284.63
For Class 52 Rating, Deduct	-80.87	
For Class 54 Rating, Add	55.14	
For Class 55 Rating, Add	122.56	
40 05 19 00-0031 EA 4" Flanged (FxF), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,192.44	288.05
For Class 52 Rating, Deduct	-83.16	
For Class 54 Rating, Add	56.70	
For Class 55 Rating, Add	126.03	
40 05 19 00-0032 EA 4" Flanged (FxF), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,218.42	291.47
For Class 52 Rating, Deduct	-85.45	
For Class 54 Rating, Add	58.26	
For Class 55 Rating, Add	129.49	
40 05 19 00-0033 EA 4" Flanged (FxF), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,244.40	294.89
For Class 52 Rating, Deduct	-87.74	
For Class 54 Rating, Add	59.82	
For Class 55 Rating, Add	132.96	
40 05 19 00-0034 EA 4" Flanged (FxF), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,270.38	298.31
For Class 52 Rating, Deduct	-90.02	
For Class 54 Rating, Add	61.38	
For Class 55 Rating, Add	136.43	
40 05 19 00-0035 EA 4" Flanged (FxF), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,296.37	301.73
For Class 52 Rating, Deduct	-92.31	
For Class 54 Rating, Add	62.94	
For Class 55 Rating, Add	139.89	
40 05 19 00-0036 EA 4" Flanged (FxF), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,322.35	305.15
For Class 52 Rating, Deduct	-94.60	
For Class 54 Rating, Add	64.50	
For Class 55 Rating, Add	143.36	
40 05 19 00-0037 EA 4" Flanged (FxF), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,348.33	308.57
For Class 52 Rating, Deduct	-96.89	
For Class 54 Rating, Add	66.06	
For Class 55 Rating, Add	146.83	
40 05 19 00-0038 EA 4" Flanged (FxF), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,374.32	311.99
For Class 52 Rating, Deduct	-99.18	
For Class 54 Rating, Add	67.62	
For Class 55 Rating, Add	150.30	
40 05 19 00-0039 EA 4" Flanged (FxF), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,400.30	315.42
For Class 52 Rating, Deduct	-101.46	
For Class 54 Rating, Add	69.18	
For Class 55 Rating, Add	153.76	
40 05 19 00-0040 EA 4" Flanged (FxF), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,426.29	318.83
For Class 52 Rating, Deduct	-103.75	
For Class 54 Rating, Add	70.74	
For Class 55 Rating, Add	157.23	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0041 EA 4" Flanged (FxF), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,452.27	322.26
<i>For Class 52 Rating, Deduct</i>	-106.04	
<i>For Class 54 Rating, Add</i>	72.30	
<i>For Class 55 Rating, Add</i>	160.70	
40 05 19 00-0042 EA 4" Flanged (FxF), 20'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,478.26	325.68
<i>For Class 52 Rating, Deduct</i>	-108.33	
<i>For Class 54 Rating, Add</i>	73.86	
<i>For Class 55 Rating, Add</i>	164.17	
40 05 19 00-0043 6" Flanged End (FxF), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <small>(40 05 19 00-0002)</small>		
40 05 19 00-0044 EA 6" Flanged (FxF), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	620.40	246.32
<i>For Class 52 Rating, Deduct</i>	-27.19	
<i>For Class 54 Rating, Add</i>	18.54	
<i>For Class 55 Rating, Add</i>	41.21	
40 05 19 00-0045 EA 6" Flanged (FxF), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	651.18	249.73
<i>For Class 52 Rating, Deduct</i>	-30.01	
<i>For Class 54 Rating, Add</i>	20.46	
<i>For Class 55 Rating, Add</i>	45.48	
40 05 19 00-0046 EA 6" Flanged (FxF), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	681.97	253.16
<i>For Class 52 Rating, Deduct</i>	-32.82	
<i>For Class 54 Rating, Add</i>	22.38	
<i>For Class 55 Rating, Add</i>	49.74	
40 05 19 00-0047 EA 6" Flanged (FxF), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	712.75	256.57
<i>For Class 52 Rating, Deduct</i>	-35.64	
<i>For Class 54 Rating, Add</i>	24.30	
<i>For Class 55 Rating, Add</i>	54.01	
40 05 19 00-0048 EA 6" Flanged (FxF), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	743.53	259.99
<i>For Class 52 Rating, Deduct</i>	-38.46	
<i>For Class 54 Rating, Add</i>	26.22	
<i>For Class 55 Rating, Add</i>	58.28	
40 05 19 00-0049 EA 6" Flanged (FxF), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	774.32	263.42
<i>For Class 52 Rating, Deduct</i>	-41.27	
<i>For Class 54 Rating, Add</i>	28.14	
<i>For Class 55 Rating, Add</i>	62.55	
40 05 19 00-0050 EA 6" Flanged (FxF), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	805.10	266.83
<i>For Class 52 Rating, Deduct</i>	-44.09	
<i>For Class 54 Rating, Add</i>	30.06	
<i>For Class 55 Rating, Add</i>	66.81	
40 05 19 00-0051 EA 6" Flanged (FxF), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	835.89	270.26
<i>For Class 52 Rating, Deduct</i>	-46.90	
<i>For Class 54 Rating, Add</i>	31.98	
<i>For Class 55 Rating, Add</i>	71.08	
40 05 19 00-0052 EA 6" Flanged (FxF), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	866.67	273.68
<i>For Class 52 Rating, Deduct</i>	-49.72	
<i>For Class 54 Rating, Add</i>	33.90	
<i>For Class 55 Rating, Add</i>	75.35	
40 05 19 00-0053 EA 6" Flanged (FxF), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	897.44	277.10
<i>For Class 52 Rating, Deduct</i>	-52.54	
<i>For Class 54 Rating, Add</i>	35.82	
<i>For Class 55 Rating, Add</i>	79.62	
40 05 19 00-0054 EA 6" Flanged (FxF), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	928.23	280.52
<i>For Class 52 Rating, Deduct</i>	-55.35	
<i>For Class 54 Rating, Add</i>	37.74	
<i>For Class 55 Rating, Add</i>	83.88	
40 05 19 00-0055 EA 6" Flanged (FxF), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	959.01	283.95
<i>For Class 52 Rating, Deduct</i>	-58.17	
<i>For Class 54 Rating, Add</i>	39.66	
<i>For Class 55 Rating, Add</i>	88.15	
40 05 19 00-0056 EA 6" Flanged (FxF), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	989.80	287.36
<i>For Class 52 Rating, Deduct</i>	-60.98	
<i>For Class 54 Rating, Add</i>	41.58	
<i>For Class 55 Rating, Add</i>	92.42	
40 05 19 00-0057 EA 6" Flanged (FxF), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,020.58	290.79
<i>For Class 52 Rating, Deduct</i>	-63.80	
<i>For Class 54 Rating, Add</i>	43.50	
<i>For Class 55 Rating, Add</i>	96.69	
40 05 19 00-0058 EA 6" Flanged (FxF), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,051.37	294.20
<i>For Class 52 Rating, Deduct</i>	-66.62	
<i>For Class 54 Rating, Add</i>	45.42	
<i>For Class 55 Rating, Add</i>	100.95	
40 05 19 00-0059 EA 6" Flanged (FxF), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,082.15	297.63
<i>For Class 52 Rating, Deduct</i>	-69.43	
<i>For Class 54 Rating, Add</i>	47.34	
<i>For Class 55 Rating, Add</i>	105.22	
40 05 19 00-0060 EA 6" Flanged (FxF), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,112.93	301.05
<i>For Class 52 Rating, Deduct</i>	-72.25	
<i>For Class 54 Rating, Add</i>	49.26	
<i>For Class 55 Rating, Add</i>	109.49	
40 05 19 00-0061 EA 6" Flanged (FxF), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,143.72	304.47
<i>For Class 52 Rating, Deduct</i>	-75.06	
<i>For Class 54 Rating, Add</i>	51.18	
<i>For Class 55 Rating, Add</i>	113.76	

40 Process Interconnections

40 05 Common Work Results For Process Interconnections

40 05 19 Ductile Iron Process Pipe



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0062	EA		6" Flanged (FxF), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,174.50	307.89
			<i>For Class 52 Rating, Deduct</i>	-77.88	
			<i>For Class 54 Rating, Add</i>	53.10	
			<i>For Class 55 Rating, Add</i>	118.02	
40 05 19 00-0063	EA		6" Flanged (FxF), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,205.29	311.31
			<i>For Class 52 Rating, Deduct</i>	-80.70	
			<i>For Class 54 Rating, Add</i>	55.02	
			<i>For Class 55 Rating, Add</i>	122.29	
40 05 19 00-0064	EA		6" Flanged (FxF), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,236.07	314.73
			<i>For Class 52 Rating, Deduct</i>	-83.51	
			<i>For Class 54 Rating, Add</i>	56.94	
			<i>For Class 55 Rating, Add</i>	126.56	
40 05 19 00-0065	EA		6" Flanged (FxF), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,266.84	318.15
			<i>For Class 52 Rating, Deduct</i>	-86.33	
			<i>For Class 54 Rating, Add</i>	58.86	
			<i>For Class 55 Rating, Add</i>	130.83	
40 05 19 00-0066	EA		6" Flanged (FxF), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,297.63	321.57
			<i>For Class 52 Rating, Deduct</i>	-89.14	
			<i>For Class 54 Rating, Add</i>	60.78	
			<i>For Class 55 Rating, Add</i>	135.09	
40 05 19 00-0067	EA		6" Flanged (FxF), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,328.41	324.99
			<i>For Class 52 Rating, Deduct</i>	-91.96	
			<i>For Class 54 Rating, Add</i>	62.70	
			<i>For Class 55 Rating, Add</i>	139.36	
40 05 19 00-0068	EA		6" Flanged (FxF), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,359.20	328.42
			<i>For Class 52 Rating, Deduct</i>	-94.78	
			<i>For Class 54 Rating, Add</i>	64.62	
			<i>For Class 55 Rating, Add</i>	143.63	
40 05 19 00-0069	EA		6" Flanged (FxF), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,389.98	331.83
			<i>For Class 52 Rating, Deduct</i>	-97.59	
			<i>For Class 54 Rating, Add</i>	66.54	
			<i>For Class 55 Rating, Add</i>	147.90	
40 05 19 00-0070	EA		6" Flanged (FxF), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,420.76	335.26
			<i>For Class 52 Rating, Deduct</i>	-100.41	
			<i>For Class 54 Rating, Add</i>	68.46	
			<i>For Class 55 Rating, Add</i>	152.16	
40 05 19 00-0071	EA		6" Flanged (FxF), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,451.55	338.68
			<i>For Class 52 Rating, Deduct</i>	-103.22	
			<i>For Class 54 Rating, Add</i>	70.38	
			<i>For Class 55 Rating, Add</i>	156.43	
40 05 19 00-0072	EA		6" Flanged (FxF), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,482.33	342.10
			<i>For Class 52 Rating, Deduct</i>	-106.04	
			<i>For Class 54 Rating, Add</i>	72.30	
			<i>For Class 55 Rating, Add</i>	160.70	
40 05 19 00-0073	EA		6" Flanged (FxF), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,513.12	345.52
			<i>For Class 52 Rating, Deduct</i>	-108.86	
			<i>For Class 54 Rating, Add</i>	74.22	
			<i>For Class 55 Rating, Add</i>	164.97	
40 05 19 00-0074	EA		6" Flanged (FxF), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,543.90	348.95
			<i>For Class 52 Rating, Deduct</i>	-111.67	
			<i>For Class 54 Rating, Add</i>	76.14	
			<i>For Class 55 Rating, Add</i>	169.23	
40 05 19 00-0075	EA		6" Flanged (FxF), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,574.69	352.36
			<i>For Class 52 Rating, Deduct</i>	-114.49	
			<i>For Class 54 Rating, Add</i>	78.06	
			<i>For Class 55 Rating, Add</i>	173.50	
40 05 19 00-0076	EA		6" Flanged (FxF), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,605.47	355.79
			<i>For Class 52 Rating, Deduct</i>	-117.30	
			<i>For Class 54 Rating, Add</i>	79.98	
			<i>For Class 55 Rating, Add</i>	177.77	
40 05 19 00-0077	EA		6" Flanged (FxF), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,636.25	359.20
			<i>For Class 52 Rating, Deduct</i>	-120.12	
			<i>For Class 54 Rating, Add</i>	81.90	
			<i>For Class 55 Rating, Add</i>	182.04	
40 05 19 00-0078	EA		6" Flanged (FxF), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,667.03	362.62
			<i>For Class 52 Rating, Deduct</i>	-122.94	
			<i>For Class 54 Rating, Add</i>	83.82	
			<i>For Class 55 Rating, Add</i>	186.30	
40 05 19 00-0079	EA		6" Flanged (FxF), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,697.81	366.05
			<i>For Class 52 Rating, Deduct</i>	-125.75	
			<i>For Class 54 Rating, Add</i>	85.74	
			<i>For Class 55 Rating, Add</i>	190.57	
40 05 19 00-0080	EA		6" Flanged (FxF), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,728.60	369.46
			<i>For Class 52 Rating, Deduct</i>	-128.57	
			<i>For Class 54 Rating, Add</i>	87.66	
			<i>For Class 55 Rating, Add</i>	194.84	
40 05 19 00-0081	EA		6" Flanged (FxF), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,759.38	372.89
			<i>For Class 52 Rating, Deduct</i>	-131.38	
			<i>For Class 54 Rating, Add</i>	89.58	
			<i>For Class 55 Rating, Add</i>	199.11	
40 05 19 00-0082	EA		6" Flanged (FxF), 20'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,790.16	376.31
			<i>For Class 52 Rating, Deduct</i>	-134.20	
			<i>For Class 54 Rating, Add</i>	91.50	
			<i>For Class 55 Rating, Add</i>	203.37	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0083 8" Flanged End (FxF), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <small>(40 05 19 00-0002)</small>		
40 05 19 00-0084 EA 8" Flanged (FxF), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	840.87	314.73
<i>For Class 52 Rating, Deduct</i>	-40.04	
<i>For Class 54 Rating, Add</i>	27.30	
<i>For Class 55 Rating, Add</i>	60.68	
40 05 19 00-0085 EA 8" Flanged (FxF), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	881.24	318.15
<i>For Class 52 Rating, Deduct</i>	-43.91	
<i>For Class 54 Rating, Add</i>	29.94	
<i>For Class 55 Rating, Add</i>	66.55	
40 05 19 00-0086 EA 8" Flanged (FxF), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	921.63	321.57
<i>For Class 52 Rating, Deduct</i>	-47.78	
<i>For Class 54 Rating, Add</i>	32.58	
<i>For Class 55 Rating, Add</i>	72.41	
40 05 19 00-0087 EA 8" Flanged (FxF), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	962.01	324.99
<i>For Class 52 Rating, Deduct</i>	-51.66	
<i>For Class 54 Rating, Add</i>	35.22	
<i>For Class 55 Rating, Add</i>	78.28	
40 05 19 00-0088 EA 8" Flanged (FxF), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,002.40	328.42
<i>For Class 52 Rating, Deduct</i>	-55.53	
<i>For Class 54 Rating, Add</i>	37.86	
<i>For Class 55 Rating, Add</i>	84.15	
40 05 19 00-0089 EA 8" Flanged (FxF), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,042.78	331.83
<i>For Class 52 Rating, Deduct</i>	-59.40	
<i>For Class 54 Rating, Add</i>	40.50	
<i>For Class 55 Rating, Add</i>	90.02	
40 05 19 00-0090 EA 8" Flanged (FxF), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,083.16	335.26
<i>For Class 52 Rating, Deduct</i>	-63.27	
<i>For Class 54 Rating, Add</i>	43.14	
<i>For Class 55 Rating, Add</i>	95.89	
40 05 19 00-0091 EA 8" Flanged (FxF), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,123.55	338.68
<i>For Class 52 Rating, Deduct</i>	-67.14	
<i>For Class 54 Rating, Add</i>	45.78	
<i>For Class 55 Rating, Add</i>	101.75	
40 05 19 00-0092 EA 8" Flanged (FxF), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,163.93	342.10
<i>For Class 52 Rating, Deduct</i>	-71.02	
<i>For Class 54 Rating, Add</i>	48.42	
<i>For Class 55 Rating, Add</i>	107.62	
40 05 19 00-0093 EA 8" Flanged (FxF), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,204.32	345.52
<i>For Class 52 Rating, Deduct</i>	-74.89	
<i>For Class 54 Rating, Add</i>	51.06	
<i>For Class 55 Rating, Add</i>	113.49	
40 05 19 00-0094 EA 8" Flanged (FxF), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,244.70	348.95
<i>For Class 52 Rating, Deduct</i>	-78.76	
<i>For Class 54 Rating, Add</i>	53.70	
<i>For Class 55 Rating, Add</i>	119.36	
40 05 19 00-0095 EA 8" Flanged (FxF), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,285.09	352.36
<i>For Class 52 Rating, Deduct</i>	-82.63	
<i>For Class 54 Rating, Add</i>	56.34	
<i>For Class 55 Rating, Add</i>	125.23	
40 05 19 00-0096 EA 8" Flanged (FxF), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,325.47	355.79
<i>For Class 52 Rating, Deduct</i>	-86.50	
<i>For Class 54 Rating, Add</i>	58.98	
<i>For Class 55 Rating, Add</i>	131.09	
40 05 19 00-0097 EA 8" Flanged (FxF), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,365.85	359.20
<i>For Class 52 Rating, Deduct</i>	-90.38	
<i>For Class 54 Rating, Add</i>	61.62	
<i>For Class 55 Rating, Add</i>	136.96	
40 05 19 00-0098 EA 8" Flanged (FxF), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,406.23	362.62
<i>For Class 52 Rating, Deduct</i>	-94.25	
<i>For Class 54 Rating, Add</i>	64.26	
<i>For Class 55 Rating, Add</i>	142.83	
40 05 19 00-0099 EA 8" Flanged (FxF), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,446.61	366.05
<i>For Class 52 Rating, Deduct</i>	-98.12	
<i>For Class 54 Rating, Add</i>	66.90	
<i>For Class 55 Rating, Add</i>	148.70	
40 05 19 00-0100 EA 8" Flanged (FxF), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,487.00	369.46
<i>For Class 52 Rating, Deduct</i>	-101.99	
<i>For Class 54 Rating, Add</i>	69.54	
<i>For Class 55 Rating, Add</i>	154.56	
40 05 19 00-0101 EA 8" Flanged (FxF), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,527.38	372.89
<i>For Class 52 Rating, Deduct</i>	-105.86	
<i>For Class 54 Rating, Add</i>	72.18	
<i>For Class 55 Rating, Add</i>	160.43	
40 05 19 00-0102 EA 8" Flanged (FxF), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,567.76	376.31
<i>For Class 52 Rating, Deduct</i>	-109.74	
<i>For Class 54 Rating, Add</i>	74.82	
<i>For Class 55 Rating, Add</i>	166.30	
40 05 19 00-0103 EA 8" Flanged (FxF), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,608.15	379.73
<i>For Class 52 Rating, Deduct</i>	-113.61	
<i>For Class 54 Rating, Add</i>	77.46	
<i>For Class 55 Rating, Add</i>	172.17	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0104 EA 8" Flanged (FxF), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,648.53	383.15
For Class 52 Rating, Deduct	-117.48	
For Class 54 Rating, Add	80.10	
For Class 55 Rating, Add	178.04	
40 05 19 00-0105 EA 8" Flanged (FxF), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,688.92	386.57
For Class 52 Rating, Deduct	-121.35	
For Class 54 Rating, Add	82.74	
For Class 55 Rating, Add	183.90	
40 05 19 00-0106 EA 8" Flanged (FxF), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,729.30	389.99
For Class 52 Rating, Deduct	-125.22	
For Class 54 Rating, Add	85.38	
For Class 55 Rating, Add	189.77	
40 05 19 00-0107 EA 8" Flanged (FxF), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,769.69	393.42
For Class 52 Rating, Deduct	-129.10	
For Class 54 Rating, Add	88.02	
For Class 55 Rating, Add	195.64	
40 05 19 00-0108 EA 8" Flanged (FxF), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,810.07	396.83
For Class 52 Rating, Deduct	-132.97	
For Class 54 Rating, Add	90.66	
For Class 55 Rating, Add	201.51	
40 05 19 00-0109 EA 8" Flanged (FxF), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,850.45	400.26
For Class 52 Rating, Deduct	-136.84	
For Class 54 Rating, Add	93.30	
For Class 55 Rating, Add	207.37	
40 05 19 00-0110 EA 8" Flanged (FxF), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,890.83	403.68
For Class 52 Rating, Deduct	-140.71	
For Class 54 Rating, Add	95.94	
For Class 55 Rating, Add	213.24	
40 05 19 00-0111 EA 8" Flanged (FxF), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,931.21	407.10
For Class 52 Rating, Deduct	-144.58	
For Class 54 Rating, Add	98.58	
For Class 55 Rating, Add	219.11	
40 05 19 00-0112 EA 8" Flanged (FxF), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,971.60	410.52
For Class 52 Rating, Deduct	-148.46	
For Class 54 Rating, Add	101.22	
For Class 55 Rating, Add	224.98	
40 05 19 00-0113 EA 8" Flanged (FxF), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,011.98	413.94
For Class 52 Rating, Deduct	-152.33	
For Class 54 Rating, Add	103.86	
For Class 55 Rating, Add	230.85	
40 05 19 00-0114 EA 8" Flanged (FxF), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,052.36	417.36
For Class 52 Rating, Deduct	-156.20	
For Class 54 Rating, Add	106.50	
For Class 55 Rating, Add	236.71	
40 05 19 00-0115 EA 8" Flanged (FxF), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,092.75	420.78
For Class 52 Rating, Deduct	-160.07	
For Class 54 Rating, Add	109.14	
For Class 55 Rating, Add	242.58	
40 05 19 00-0116 EA 8" Flanged (FxF), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,133.13	424.20
For Class 52 Rating, Deduct	-163.94	
For Class 54 Rating, Add	111.78	
For Class 55 Rating, Add	248.45	
40 05 19 00-0117 EA 8" Flanged (FxF), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,173.52	427.62
For Class 52 Rating, Deduct	-167.82	
For Class 54 Rating, Add	114.42	
For Class 55 Rating, Add	254.32	
40 05 19 00-0118 EA 8" Flanged (FxF), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,213.90	431.05
For Class 52 Rating, Deduct	-171.69	
For Class 54 Rating, Add	117.06	
For Class 55 Rating, Add	260.19	
40 05 19 00-0119 EA 8" Flanged (FxF), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,254.28	434.46
For Class 52 Rating, Deduct	-175.56	
For Class 54 Rating, Add	119.70	
For Class 55 Rating, Add	266.05	
40 05 19 00-0120 EA 8" Flanged (FxF), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,294.67	437.89
For Class 52 Rating, Deduct	-179.43	
For Class 54 Rating, Add	122.34	
For Class 55 Rating, Add	271.92	
40 05 19 00-0121 EA 8" Flanged (FxF), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,335.05	441.31
For Class 52 Rating, Deduct	-183.30	
For Class 54 Rating, Add	124.98	
For Class 55 Rating, Add	277.79	
40 05 19 00-0122 EA 8" Flanged (FxF), 20'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,375.43	444.73
For Class 52 Rating, Deduct	-187.18	
For Class 54 Rating, Add	127.62	
For Class 55 Rating, Add	283.66	
40 05 19 00-0123 10" Flanged End (FxF), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe (40 05 19 00-0002)		
40 05 19 00-0124 EA 10" Flanged (FxF), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,047.73	383.15
For Class 52 Rating, Deduct	-51.39	
For Class 54 Rating, Add	35.04	
For Class 55 Rating, Add	77.88	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0125 EA 10" Flanged (FxF), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,099.32	386.57
<i>For Class 52 Rating, Deduct</i>	-56.50	
<i>For Class 54 Rating, Add</i>	38.52	
<i>For Class 55 Rating, Add</i>	85.62	
40 05 19 00-0126 EA 10" Flanged (FxF), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,150.90	389.99
<i>For Class 52 Rating, Deduct</i>	-61.60	
<i>For Class 54 Rating, Add</i>	42.00	
<i>For Class 55 Rating, Add</i>	93.35	
40 05 19 00-0127 EA 10" Flanged (FxF), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,202.49	393.42
<i>For Class 52 Rating, Deduct</i>	-66.70	
<i>For Class 54 Rating, Add</i>	45.48	
<i>For Class 55 Rating, Add</i>	101.09	
40 05 19 00-0128 EA 10" Flanged (FxF), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,254.07	396.83
<i>For Class 52 Rating, Deduct</i>	-71.81	
<i>For Class 54 Rating, Add</i>	48.96	
<i>For Class 55 Rating, Add</i>	108.82	
40 05 19 00-0129 EA 10" Flanged (FxF), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,305.65	400.26
<i>For Class 52 Rating, Deduct</i>	-76.91	
<i>For Class 54 Rating, Add</i>	52.44	
<i>For Class 55 Rating, Add</i>	116.56	
40 05 19 00-0130 EA 10" Flanged (FxF), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,357.23	403.68
<i>For Class 52 Rating, Deduct</i>	-82.02	
<i>For Class 54 Rating, Add</i>	55.92	
<i>For Class 55 Rating, Add</i>	124.29	
40 05 19 00-0131 EA 10" Flanged (FxF), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,408.81	407.10
<i>For Class 52 Rating, Deduct</i>	-87.12	
<i>For Class 54 Rating, Add</i>	59.40	
<i>For Class 55 Rating, Add</i>	132.03	
40 05 19 00-0132 EA 10" Flanged (FxF), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,460.40	410.52
<i>For Class 52 Rating, Deduct</i>	-92.22	
<i>For Class 54 Rating, Add</i>	62.88	
<i>For Class 55 Rating, Add</i>	139.76	
40 05 19 00-0133 EA 10" Flanged (FxF), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,511.98	413.94
<i>For Class 52 Rating, Deduct</i>	-97.33	
<i>For Class 54 Rating, Add</i>	66.36	
<i>For Class 55 Rating, Add</i>	147.50	
40 05 19 00-0134 EA 10" Flanged (FxF), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,563.56	417.36
<i>For Class 52 Rating, Deduct</i>	-102.43	
<i>For Class 54 Rating, Add</i>	69.84	
<i>For Class 55 Rating, Add</i>	155.23	
40 05 19 00-0135 EA 10" Flanged (FxF), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,615.15	420.78
<i>For Class 52 Rating, Deduct</i>	-107.54	
<i>For Class 54 Rating, Add</i>	73.32	
<i>For Class 55 Rating, Add</i>	162.97	
40 05 19 00-0136 EA 10" Flanged (FxF), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,666.73	424.20
<i>For Class 52 Rating, Deduct</i>	-112.64	
<i>For Class 54 Rating, Add</i>	76.80	
<i>For Class 55 Rating, Add</i>	170.70	
40 05 19 00-0137 EA 10" Flanged (FxF), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,718.32	427.62
<i>For Class 52 Rating, Deduct</i>	-117.74	
<i>For Class 54 Rating, Add</i>	80.28	
<i>For Class 55 Rating, Add</i>	178.44	
40 05 19 00-0138 EA 10" Flanged (FxF), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,769.90	431.05
<i>For Class 52 Rating, Deduct</i>	-122.85	
<i>For Class 54 Rating, Add</i>	83.76	
<i>For Class 55 Rating, Add</i>	186.17	
40 05 19 00-0139 EA 10" Flanged (FxF), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,821.48	434.46
<i>For Class 52 Rating, Deduct</i>	-127.95	
<i>For Class 54 Rating, Add</i>	87.24	
<i>For Class 55 Rating, Add</i>	193.91	
40 05 19 00-0140 EA 10" Flanged (FxF), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,873.07	437.89
<i>For Class 52 Rating, Deduct</i>	-133.06	
<i>For Class 54 Rating, Add</i>	90.72	
<i>For Class 55 Rating, Add</i>	201.64	
40 05 19 00-0141 EA 10" Flanged (FxF), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,924.65	441.31
<i>For Class 52 Rating, Deduct</i>	-138.16	
<i>For Class 54 Rating, Add</i>	94.20	
<i>For Class 55 Rating, Add</i>	209.38	
40 05 19 00-0142 EA 10" Flanged (FxF), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,976.23	444.73
<i>For Class 52 Rating, Deduct</i>	-143.26	
<i>For Class 54 Rating, Add</i>	97.68	
<i>For Class 55 Rating, Add</i>	217.11	
40 05 19 00-0143 EA 10" Flanged (FxF), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,027.81	448.15
<i>For Class 52 Rating, Deduct</i>	-148.37	
<i>For Class 54 Rating, Add</i>	101.16	
<i>For Class 55 Rating, Add</i>	224.84	
40 05 19 00-0144 EA 10" Flanged (FxF), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,079.40	451.58
<i>For Class 52 Rating, Deduct</i>	-153.47	
<i>For Class 54 Rating, Add</i>	104.64	
<i>For Class 55 Rating, Add</i>	232.58	
40 05 19 00-0145 EA 10" Flanged (FxF), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,130.98	454.99
<i>For Class 52 Rating, Deduct</i>	-158.58	
<i>For Class 54 Rating, Add</i>	108.12	
<i>For Class 55 Rating, Add</i>	240.31	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0146 EA 10" Flanged (FxF), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,182.56	458.42
For Class 52 Rating, Deduct	-163.68	
For Class 54 Rating, Add	111.60	
For Class 55 Rating, Add	248.05	
40 05 19 00-0147 EA 10" Flanged (FxF), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,234.15	461.83
For Class 52 Rating, Deduct	-168.78	
For Class 54 Rating, Add	115.08	
For Class 55 Rating, Add	255.78	
40 05 19 00-0148 EA 10" Flanged (FxF), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,285.73	465.25
For Class 52 Rating, Deduct	-173.89	
For Class 54 Rating, Add	118.56	
For Class 55 Rating, Add	263.52	
40 05 19 00-0149 EA 10" Flanged (FxF), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,337.32	468.68
For Class 52 Rating, Deduct	-178.99	
For Class 54 Rating, Add	122.04	
For Class 55 Rating, Add	271.25	
40 05 19 00-0150 EA 10" Flanged (FxF), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,388.90	472.09
For Class 52 Rating, Deduct	-184.10	
For Class 54 Rating, Add	125.52	
For Class 55 Rating, Add	278.99	
40 05 19 00-0151 EA 10" Flanged (FxF), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,440.48	475.52
For Class 52 Rating, Deduct	-189.20	
For Class 54 Rating, Add	129.00	
For Class 55 Rating, Add	286.72	
40 05 19 00-0152 EA 10" Flanged (FxF), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,492.07	478.94
For Class 52 Rating, Deduct	-194.30	
For Class 54 Rating, Add	132.48	
For Class 55 Rating, Add	294.46	
40 05 19 00-0153 EA 10" Flanged (FxF), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,543.65	482.36
For Class 52 Rating, Deduct	-199.41	
For Class 54 Rating, Add	135.96	
For Class 55 Rating, Add	302.19	
40 05 19 00-0154 EA 10" Flanged (FxF), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,595.24	485.78
For Class 52 Rating, Deduct	-204.51	
For Class 54 Rating, Add	139.44	
For Class 55 Rating, Add	309.93	
40 05 19 00-0155 EA 10" Flanged (FxF), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,646.01	489.20
For Class 52 Rating, Deduct	-209.53	
For Class 54 Rating, Add	142.86	
For Class 55 Rating, Add	317.53	
40 05 19 00-0156 EA 10" Flanged (FxF), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,698.39	492.62
For Class 52 Rating, Deduct	-214.72	
For Class 54 Rating, Add	146.40	
For Class 55 Rating, Add	325.40	
40 05 19 00-0157 EA 10" Flanged (FxF), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,749.98	496.05
For Class 52 Rating, Deduct	-219.82	
For Class 54 Rating, Add	149.88	
For Class 55 Rating, Add	333.13	
40 05 19 00-0158 EA 10" Flanged (FxF), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,801.56	499.46
For Class 52 Rating, Deduct	-224.93	
For Class 54 Rating, Add	153.36	
For Class 55 Rating, Add	340.87	
40 05 19 00-0159 EA 10" Flanged (FxF), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,853.15	502.89
For Class 52 Rating, Deduct	-230.03	
For Class 54 Rating, Add	156.84	
For Class 55 Rating, Add	348.60	
40 05 19 00-0160 EA 10" Flanged (FxF), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,904.73	506.31
For Class 52 Rating, Deduct	-235.14	
For Class 54 Rating, Add	160.32	
For Class 55 Rating, Add	356.34	
40 05 19 00-0161 EA 10" Flanged (FxF), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,956.32	509.73
For Class 52 Rating, Deduct	-240.24	
For Class 54 Rating, Add	163.80	
For Class 55 Rating, Add	364.07	
40 05 19 00-0162 EA 10" Flanged (FxF), 20'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,007.90	513.15
For Class 52 Rating, Deduct	-245.34	
For Class 54 Rating, Add	167.28	
For Class 55 Rating, Add	371.81	
40 05 19 00-0163 12" Flanged End (FxF), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe (40 05 19 00-0002)		
40 05 19 00-0164 EA 12" Flanged (FxF), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,351.27	478.94
For Class 52 Rating, Deduct	-68.82	
For Class 54 Rating, Add	46.92	
For Class 55 Rating, Add	104.29	
40 05 19 00-0165 EA 12" Flanged (FxF), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,414.85	482.36
For Class 52 Rating, Deduct	-75.24	
For Class 54 Rating, Add	51.30	
For Class 55 Rating, Add	114.02	
40 05 19 00-0166 EA 12" Flanged (FxF), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,478.44	485.78
For Class 52 Rating, Deduct	-81.66	
For Class 54 Rating, Add	55.68	
For Class 55 Rating, Add	123.76	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0167 EA 12" Flanged (FxF), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,542.01	489.20
<i>For Class 52 Rating, Deduct</i>	-88.09	
<i>For Class 54 Rating, Add</i>	60.06	
<i>For Class 55 Rating, Add</i>	133.49	
40 05 19 00-0168 EA 12" Flanged (FxF), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,605.59	492.62
<i>For Class 52 Rating, Deduct</i>	-94.51	
<i>For Class 54 Rating, Add</i>	64.44	
<i>For Class 55 Rating, Add</i>	143.23	
40 05 19 00-0169 EA 12" Flanged (FxF), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,669.18	496.05
<i>For Class 52 Rating, Deduct</i>	-100.94	
<i>For Class 54 Rating, Add</i>	68.82	
<i>For Class 55 Rating, Add</i>	152.96	
40 05 19 00-0170 EA 12" Flanged (FxF), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,732.76	499.46
<i>For Class 52 Rating, Deduct</i>	-107.36	
<i>For Class 54 Rating, Add</i>	73.20	
<i>For Class 55 Rating, Add</i>	162.70	
40 05 19 00-0171 EA 12" Flanged (FxF), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,796.35	502.89
<i>For Class 52 Rating, Deduct</i>	-113.78	
<i>For Class 54 Rating, Add</i>	77.58	
<i>For Class 55 Rating, Add</i>	172.43	
40 05 19 00-0172 EA 12" Flanged (FxF), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,859.93	506.31
<i>For Class 52 Rating, Deduct</i>	-120.21	
<i>For Class 54 Rating, Add</i>	81.96	
<i>For Class 55 Rating, Add</i>	182.17	
40 05 19 00-0173 EA 12" Flanged (FxF), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,923.52	509.73
<i>For Class 52 Rating, Deduct</i>	-126.63	
<i>For Class 54 Rating, Add</i>	86.34	
<i>For Class 55 Rating, Add</i>	191.91	
40 05 19 00-0174 EA 12" Flanged (FxF), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,987.10	513.15
<i>For Class 52 Rating, Deduct</i>	-133.06	
<i>For Class 54 Rating, Add</i>	90.72	
<i>For Class 55 Rating, Add</i>	201.64	
40 05 19 00-0175 EA 12" Flanged (FxF), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,050.68	516.57
<i>For Class 52 Rating, Deduct</i>	-139.48	
<i>For Class 54 Rating, Add</i>	95.10	
<i>For Class 55 Rating, Add</i>	211.38	
40 05 19 00-0176 EA 12" Flanged (FxF), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,114.27	519.99
<i>For Class 52 Rating, Deduct</i>	-145.90	
<i>For Class 54 Rating, Add</i>	99.48	
<i>For Class 55 Rating, Add</i>	221.11	
40 05 19 00-0177 EA 12" Flanged (FxF), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,177.85	523.41
<i>For Class 52 Rating, Deduct</i>	-152.33	
<i>For Class 54 Rating, Add</i>	103.86	
<i>For Class 55 Rating, Add</i>	230.85	
40 05 19 00-0178 EA 12" Flanged (FxF), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,241.44	526.83
<i>For Class 52 Rating, Deduct</i>	-158.75	
<i>For Class 54 Rating, Add</i>	108.24	
<i>For Class 55 Rating, Add</i>	240.58	
40 05 19 00-0179 EA 12" Flanged (FxF), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,305.01	530.25
<i>For Class 52 Rating, Deduct</i>	-165.18	
<i>For Class 54 Rating, Add</i>	112.62	
<i>For Class 55 Rating, Add</i>	250.32	
40 05 19 00-0180 EA 12" Flanged (FxF), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,368.59	533.68
<i>For Class 52 Rating, Deduct</i>	-171.60	
<i>For Class 54 Rating, Add</i>	117.00	
<i>For Class 55 Rating, Add</i>	260.05	
40 05 19 00-0181 EA 12" Flanged (FxF), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,432.18	537.09
<i>For Class 52 Rating, Deduct</i>	-178.02	
<i>For Class 54 Rating, Add</i>	121.38	
<i>For Class 55 Rating, Add</i>	269.79	
40 05 19 00-0182 EA 12" Flanged (FxF), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,495.76	540.52
<i>For Class 52 Rating, Deduct</i>	-184.45	
<i>For Class 54 Rating, Add</i>	125.76	
<i>For Class 55 Rating, Add</i>	279.52	
40 05 19 00-0183 EA 12" Flanged (FxF), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,559.35	543.94
<i>For Class 52 Rating, Deduct</i>	-190.87	
<i>For Class 54 Rating, Add</i>	130.14	
<i>For Class 55 Rating, Add</i>	289.26	
40 05 19 00-0184 EA 12" Flanged (FxF), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,622.93	547.36
<i>For Class 52 Rating, Deduct</i>	-197.30	
<i>For Class 54 Rating, Add</i>	134.52	
<i>For Class 55 Rating, Add</i>	298.99	
40 05 19 00-0185 EA 12" Flanged (FxF), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,686.51	550.78
<i>For Class 52 Rating, Deduct</i>	-203.72	
<i>For Class 54 Rating, Add</i>	138.90	
<i>For Class 55 Rating, Add</i>	308.73	
40 05 19 00-0186 EA 12" Flanged (FxF), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,750.10	554.20
<i>For Class 52 Rating, Deduct</i>	-210.14	
<i>For Class 54 Rating, Add</i>	143.28	
<i>For Class 55 Rating, Add</i>	318.46	
40 05 19 00-0187 EA 12" Flanged (FxF), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,813.68	557.62
<i>For Class 52 Rating, Deduct</i>	-216.57	
<i>For Class 54 Rating, Add</i>	147.66	
<i>For Class 55 Rating, Add</i>	328.20	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0188	EA		12" Flanged (FxF), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,877.27	561.05
			<i>For Class 52 Rating, Deduct</i>	-222.99	
			<i>For Class 54 Rating, Add</i>	152.04	
			<i>For Class 55 Rating, Add</i>	337.93	
40 05 19 00-0189	EA		12" Flanged (FxF), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,940.85	564.46
			<i>For Class 52 Rating, Deduct</i>	-229.42	
			<i>For Class 54 Rating, Add</i>	156.42	
			<i>For Class 55 Rating, Add</i>	347.67	
40 05 19 00-0190	EA		12" Flanged (FxF), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,004.44	567.88
			<i>For Class 52 Rating, Deduct</i>	-235.84	
			<i>For Class 54 Rating, Add</i>	160.80	
			<i>For Class 55 Rating, Add</i>	357.40	
40 05 19 00-0191	EA		12" Flanged (FxF), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,068.01	571.31
			<i>For Class 52 Rating, Deduct</i>	-242.26	
			<i>For Class 54 Rating, Add</i>	165.18	
			<i>For Class 55 Rating, Add</i>	367.14	
40 05 19 00-0192	EA		12" Flanged (FxF), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,131.59	574.72
			<i>For Class 52 Rating, Deduct</i>	-248.69	
			<i>For Class 54 Rating, Add</i>	169.56	
			<i>For Class 55 Rating, Add</i>	376.88	
40 05 19 00-0193	EA		12" Flanged (FxF), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,195.18	578.15
			<i>For Class 52 Rating, Deduct</i>	-255.11	
			<i>For Class 54 Rating, Add</i>	173.94	
			<i>For Class 55 Rating, Add</i>	386.61	
40 05 19 00-0194	EA		12" Flanged (FxF), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,258.76	581.57
			<i>For Class 52 Rating, Deduct</i>	-261.54	
			<i>For Class 54 Rating, Add</i>	178.32	
			<i>For Class 55 Rating, Add</i>	396.35	
40 05 19 00-0195	EA		12" Flanged (FxF), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,322.35	584.99
			<i>For Class 52 Rating, Deduct</i>	-267.96	
			<i>For Class 54 Rating, Add</i>	182.70	
			<i>For Class 55 Rating, Add</i>	406.08	
40 05 19 00-0196	EA		12" Flanged (FxF), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,385.93	588.41
			<i>For Class 52 Rating, Deduct</i>	-274.38	
			<i>For Class 54 Rating, Add</i>	187.08	
			<i>For Class 55 Rating, Add</i>	415.82	
40 05 19 00-0197	EA		12" Flanged (FxF), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,449.51	591.83
			<i>For Class 52 Rating, Deduct</i>	-280.81	
			<i>For Class 54 Rating, Add</i>	191.46	
			<i>For Class 55 Rating, Add</i>	425.55	
40 05 19 00-0198	EA		12" Flanged (FxF), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,513.10	595.25
			<i>For Class 52 Rating, Deduct</i>	-287.23	
			<i>For Class 54 Rating, Add</i>	195.84	
			<i>For Class 55 Rating, Add</i>	435.29	
40 05 19 00-0199	EA		12" Flanged (FxF), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,576.68	598.68
			<i>For Class 52 Rating, Deduct</i>	-293.66	
			<i>For Class 54 Rating, Add</i>	200.22	
			<i>For Class 55 Rating, Add</i>	445.02	
40 05 19 00-0200	EA		12" Flanged (FxF), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,640.27	602.09
			<i>For Class 52 Rating, Deduct</i>	-300.08	
			<i>For Class 54 Rating, Add</i>	204.60	
			<i>For Class 55 Rating, Add</i>	454.76	
40 05 19 00-0201	EA		12" Flanged (FxF), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,703.85	605.52
			<i>For Class 52 Rating, Deduct</i>	-306.50	
			<i>For Class 54 Rating, Add</i>	208.98	
			<i>For Class 55 Rating, Add</i>	464.49	
40 05 19 00-0202	EA		12" Flanged (FxF), 20'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,767.44	608.94
			<i>For Class 52 Rating, Deduct</i>	-312.93	
			<i>For Class 54 Rating, Add</i>	213.36	
			<i>For Class 55 Rating, Add</i>	474.23	
40 05 19 00-0203			14" Flanged End (FxF), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <small>(40 05 19 00-0002)</small>		
40 05 19 00-0204	EA		14" Flanged (FxF), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,746.79	574.72
			<i>For Class 52 Rating, Deduct</i>	-96.36	
			<i>For Class 54 Rating, Add</i>	65.70	
			<i>For Class 55 Rating, Add</i>	146.03	
40 05 19 00-0205	EA		14" Flanged (FxF), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,823.18	578.15
			<i>For Class 52 Rating, Deduct</i>	-104.19	
			<i>For Class 54 Rating, Add</i>	71.04	
			<i>For Class 55 Rating, Add</i>	157.90	
40 05 19 00-0206	EA		14" Flanged (FxF), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,899.56	581.57
			<i>For Class 52 Rating, Deduct</i>	-112.02	
			<i>For Class 54 Rating, Add</i>	76.38	
			<i>For Class 55 Rating, Add</i>	169.77	
40 05 19 00-0207	EA		14" Flanged (FxF), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,975.95	584.99
			<i>For Class 52 Rating, Deduct</i>	-119.86	
			<i>For Class 54 Rating, Add</i>	81.72	
			<i>For Class 55 Rating, Add</i>	181.64	
40 05 19 00-0208	EA		14" Flanged (FxF), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,052.33	588.41
			<i>For Class 52 Rating, Deduct</i>	-127.69	
			<i>For Class 54 Rating, Add</i>	87.06	
			<i>For Class 55 Rating, Add</i>	193.51	



Process Interconnections	40
Common Work Results For Process Interconnections	
Ductile Iron Process Pipe	40 05 19

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0209 EA 14" Flanged (FxF), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,128.71	591.83
<i>For Class 52 Rating, Deduct</i>	-135.52	
<i>For Class 54 Rating, Add</i>	92.40	
<i>For Class 55 Rating, Add</i>	205.37	
40 05 19 00-0210 EA 14" Flanged (FxF), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,205.10	595.25
<i>For Class 52 Rating, Deduct</i>	-143.35	
<i>For Class 54 Rating, Add</i>	97.74	
<i>For Class 55 Rating, Add</i>	217.24	
40 05 19 00-0211 EA 14" Flanged (FxF), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,281.48	598.68
<i>For Class 52 Rating, Deduct</i>	-151.18	
<i>For Class 54 Rating, Add</i>	103.08	
<i>For Class 55 Rating, Add</i>	229.11	
40 05 19 00-0212 EA 14" Flanged (FxF), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,357.87	602.09
<i>For Class 52 Rating, Deduct</i>	-159.02	
<i>For Class 54 Rating, Add</i>	108.42	
<i>For Class 55 Rating, Add</i>	240.98	
40 05 19 00-0213 EA 14" Flanged (FxF), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,434.25	605.52
<i>For Class 52 Rating, Deduct</i>	-166.85	
<i>For Class 54 Rating, Add</i>	113.76	
<i>For Class 55 Rating, Add</i>	252.85	
40 05 19 00-0214 EA 14" Flanged (FxF), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,510.64	608.94
<i>For Class 52 Rating, Deduct</i>	-174.68	
<i>For Class 54 Rating, Add</i>	119.10	
<i>For Class 55 Rating, Add</i>	264.72	
40 05 19 00-0215 EA 14" Flanged (FxF), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,587.02	612.36
<i>For Class 52 Rating, Deduct</i>	-182.51	
<i>For Class 54 Rating, Add</i>	124.44	
<i>For Class 55 Rating, Add</i>	276.59	
40 05 19 00-0216 EA 14" Flanged (FxF), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,663.39	615.78
<i>For Class 52 Rating, Deduct</i>	-190.34	
<i>For Class 54 Rating, Add</i>	129.78	
<i>For Class 55 Rating, Add</i>	288.46	
40 05 19 00-0217 EA 14" Flanged (FxF), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,739.78	619.20
<i>For Class 52 Rating, Deduct</i>	-198.18	
<i>For Class 54 Rating, Add</i>	135.12	
<i>For Class 55 Rating, Add</i>	300.33	
40 05 19 00-0218 EA 14" Flanged (FxF), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,816.16	622.62
<i>For Class 52 Rating, Deduct</i>	-206.01	
<i>For Class 54 Rating, Add</i>	140.46	
<i>For Class 55 Rating, Add</i>	312.20	
40 05 19 00-0219 EA 14" Flanged (FxF), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,892.55	626.04
<i>For Class 52 Rating, Deduct</i>	-213.84	
<i>For Class 54 Rating, Add</i>	145.80	
<i>For Class 55 Rating, Add</i>	324.06	
40 05 19 00-0220 EA 14" Flanged (FxF), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,968.93	629.46
<i>For Class 52 Rating, Deduct</i>	-221.67	
<i>For Class 54 Rating, Add</i>	151.14	
<i>For Class 55 Rating, Add</i>	335.93	
40 05 19 00-0221 EA 14" Flanged (FxF), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,045.31	632.88
<i>For Class 52 Rating, Deduct</i>	-229.50	
<i>For Class 54 Rating, Add</i>	156.48	
<i>For Class 55 Rating, Add</i>	347.80	
40 05 19 00-0222 EA 14" Flanged (FxF), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,121.70	636.31
<i>For Class 52 Rating, Deduct</i>	-237.34	
<i>For Class 54 Rating, Add</i>	161.82	
<i>For Class 55 Rating, Add</i>	359.67	
40 05 19 00-0223 EA 14" Flanged (FxF), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,198.08	639.72
<i>For Class 52 Rating, Deduct</i>	-245.17	
<i>For Class 54 Rating, Add</i>	167.16	
<i>For Class 55 Rating, Add</i>	371.54	
40 05 19 00-0224 EA 14" Flanged (FxF), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,274.47	643.15
<i>For Class 52 Rating, Deduct</i>	-253.00	
<i>For Class 54 Rating, Add</i>	172.50	
<i>For Class 55 Rating, Add</i>	383.41	
40 05 19 00-0225 EA 14" Flanged (FxF), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,350.85	646.57
<i>For Class 52 Rating, Deduct</i>	-260.83	
<i>For Class 54 Rating, Add</i>	177.84	
<i>For Class 55 Rating, Add</i>	395.28	
40 05 19 00-0226 EA 14" Flanged (FxF), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,427.23	649.99
<i>For Class 52 Rating, Deduct</i>	-268.66	
<i>For Class 54 Rating, Add</i>	183.18	
<i>For Class 55 Rating, Add</i>	407.15	
40 05 19 00-0227 EA 14" Flanged (FxF), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,503.62	653.41
<i>For Class 52 Rating, Deduct</i>	-276.50	
<i>For Class 54 Rating, Add</i>	188.52	
<i>For Class 55 Rating, Add</i>	419.02	
40 05 19 00-0228 EA 14" Flanged (FxF), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,579.99	656.83
<i>For Class 52 Rating, Deduct</i>	-284.33	
<i>For Class 54 Rating, Add</i>	193.86	
<i>For Class 55 Rating, Add</i>	430.89	
40 05 19 00-0229 EA 14" Flanged (FxF), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,656.38	660.25
<i>For Class 52 Rating, Deduct</i>	-292.16	
<i>For Class 54 Rating, Add</i>	199.20	
<i>For Class 55 Rating, Add</i>	442.76	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0230	EA		14" Flanged (FxF), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,732.76	663.68
			<i>For Class 52 Rating, Deduct</i>	-299.99	
			<i>For Class 54 Rating, Add</i>	204.54	
			<i>For Class 55 Rating, Add</i>	454.62	
40 05 19 00-0231	EA		14" Flanged (FxF), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,809.15	667.09
			<i>For Class 52 Rating, Deduct</i>	-307.82	
			<i>For Class 54 Rating, Add</i>	209.88	
			<i>For Class 55 Rating, Add</i>	466.49	
40 05 19 00-0232	EA		14" Flanged (FxF), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,885.53	670.51
			<i>For Class 52 Rating, Deduct</i>	-315.66	
			<i>For Class 54 Rating, Add</i>	215.22	
			<i>For Class 55 Rating, Add</i>	478.36	
40 05 19 00-0233	EA		14" Flanged (FxF), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,961.91	673.94
			<i>For Class 52 Rating, Deduct</i>	-323.49	
			<i>For Class 54 Rating, Add</i>	220.56	
			<i>For Class 55 Rating, Add</i>	490.23	
40 05 19 00-0234	EA		14" Flanged (FxF), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,038.30	677.35
			<i>For Class 52 Rating, Deduct</i>	-331.32	
			<i>For Class 54 Rating, Add</i>	225.90	
			<i>For Class 55 Rating, Add</i>	502.10	
40 05 19 00-0235	EA		14" Flanged (FxF), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,114.68	680.78
			<i>For Class 52 Rating, Deduct</i>	-339.15	
			<i>For Class 54 Rating, Add</i>	231.24	
			<i>For Class 55 Rating, Add</i>	513.97	
40 05 19 00-0236	EA		14" Flanged (FxF), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,191.07	684.20
			<i>For Class 52 Rating, Deduct</i>	-346.98	
			<i>For Class 54 Rating, Add</i>	236.58	
			<i>For Class 55 Rating, Add</i>	525.84	
40 05 19 00-0237	EA		14" Flanged (FxF), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,267.45	687.62
			<i>For Class 52 Rating, Deduct</i>	-354.82	
			<i>For Class 54 Rating, Add</i>	241.92	
			<i>For Class 55 Rating, Add</i>	537.71	
40 05 19 00-0238	EA		14" Flanged (FxF), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,343.83	691.04
			<i>For Class 52 Rating, Deduct</i>	-362.65	
			<i>For Class 54 Rating, Add</i>	247.26	
			<i>For Class 55 Rating, Add</i>	549.58	
40 05 19 00-0239	EA		14" Flanged (FxF), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,420.22	694.46
			<i>For Class 52 Rating, Deduct</i>	-370.48	
			<i>For Class 54 Rating, Add</i>	252.60	
			<i>For Class 55 Rating, Add</i>	561.45	
40 05 19 00-0240	EA		14" Flanged (FxF), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,496.60	697.88
			<i>For Class 52 Rating, Deduct</i>	-378.31	
			<i>For Class 54 Rating, Add</i>	257.94	
			<i>For Class 55 Rating, Add</i>	573.31	
40 05 19 00-0241	EA		14" Flanged (FxF), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,572.98	701.31
			<i>For Class 52 Rating, Deduct</i>	-386.14	
			<i>For Class 54 Rating, Add</i>	263.28	
			<i>For Class 55 Rating, Add</i>	585.18	
40 05 19 00-0242			16" Flanged End (FxF), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <small>(40 05 19 00-0002)</small>		
40 05 19 00-0243	EA		16" Flanged (FxF), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,033.59	656.83
			<i>For Class 52 Rating, Deduct</i>	-114.22	
			<i>For Class 54 Rating, Add</i>	77.88	
			<i>For Class 55 Rating, Add</i>	173.10	
40 05 19 00-0244	EA		16" Flanged (FxF), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,121.98	660.25
			<i>For Class 52 Rating, Deduct</i>	-123.38	
			<i>For Class 54 Rating, Add</i>	84.12	
			<i>For Class 55 Rating, Add</i>	186.97	
40 05 19 00-0245	EA		16" Flanged (FxF), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,210.36	663.68
			<i>For Class 52 Rating, Deduct</i>	-132.53	
			<i>For Class 54 Rating, Add</i>	90.36	
			<i>For Class 55 Rating, Add</i>	200.84	
40 05 19 00-0246	EA		16" Flanged (FxF), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,298.75	667.09
			<i>For Class 52 Rating, Deduct</i>	-141.68	
			<i>For Class 54 Rating, Add</i>	96.60	
			<i>For Class 55 Rating, Add</i>	214.71	
40 05 19 00-0247	EA		16" Flanged (FxF), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,387.13	670.51
			<i>For Class 52 Rating, Deduct</i>	-150.83	
			<i>For Class 54 Rating, Add</i>	102.84	
			<i>For Class 55 Rating, Add</i>	228.58	
40 05 19 00-0248	EA		16" Flanged (FxF), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,475.51	673.94
			<i>For Class 52 Rating, Deduct</i>	-159.98	
			<i>For Class 54 Rating, Add</i>	109.08	
			<i>For Class 55 Rating, Add</i>	242.45	
40 05 19 00-0249	EA		16" Flanged (FxF), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,563.90	677.35
			<i>For Class 52 Rating, Deduct</i>	-169.14	
			<i>For Class 54 Rating, Add</i>	115.32	
			<i>For Class 55 Rating, Add</i>	256.32	
40 05 19 00-0250	EA		16" Flanged (FxF), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,652.28	680.78
			<i>For Class 52 Rating, Deduct</i>	-178.29	
			<i>For Class 54 Rating, Add</i>	121.56	
			<i>For Class 55 Rating, Add</i>	270.19	



Process Interconnections	40
Common Work Results For Process Interconnections	
40 05	40
Ductile Iron Process Pipe 40 05 19	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0251 EA 16" Flanged (FxF), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,740.67	684.20
<i>For Class 52 Rating, Deduct</i>	-187.44	
<i>For Class 54 Rating, Add</i>	127.80	
<i>For Class 55 Rating, Add</i>	284.06	
40 05 19 00-0252 EA 16" Flanged (FxF), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,829.05	687.62
<i>For Class 52 Rating, Deduct</i>	-196.59	
<i>For Class 54 Rating, Add</i>	134.04	
<i>For Class 55 Rating, Add</i>	297.93	
40 05 19 00-0253 EA 16" Flanged (FxF), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,917.43	691.04
<i>For Class 52 Rating, Deduct</i>	-205.74	
<i>For Class 54 Rating, Add</i>	140.28	
<i>For Class 55 Rating, Add</i>	311.80	
40 05 19 00-0254 EA 16" Flanged (FxF), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,005.82	694.46
<i>For Class 52 Rating, Deduct</i>	-214.90	
<i>For Class 54 Rating, Add</i>	146.52	
<i>For Class 55 Rating, Add</i>	325.67	
40 05 19 00-0255 EA 16" Flanged (FxF), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,094.20	697.88
<i>For Class 52 Rating, Deduct</i>	-224.05	
<i>For Class 54 Rating, Add</i>	152.76	
<i>For Class 55 Rating, Add</i>	339.53	
40 05 19 00-0256 EA 16" Flanged (FxF), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,182.58	701.31
<i>For Class 52 Rating, Deduct</i>	-233.20	
<i>For Class 54 Rating, Add</i>	159.00	
<i>For Class 55 Rating, Add</i>	353.40	
40 05 19 00-0257 EA 16" Flanged (FxF), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,270.96	704.72
<i>For Class 52 Rating, Deduct</i>	-242.35	
<i>For Class 54 Rating, Add</i>	165.24	
<i>For Class 55 Rating, Add</i>	367.27	
40 05 19 00-0258 EA 16" Flanged (FxF), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,359.35	708.15
<i>For Class 52 Rating, Deduct</i>	-251.50	
<i>For Class 54 Rating, Add</i>	171.48	
<i>For Class 55 Rating, Add</i>	381.14	
40 05 19 00-0259 EA 16" Flanged (FxF), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,447.73	711.57
<i>For Class 52 Rating, Deduct</i>	-260.66	
<i>For Class 54 Rating, Add</i>	177.72	
<i>For Class 55 Rating, Add</i>	395.01	
40 05 19 00-0260 EA 16" Flanged (FxF), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,536.11	714.99
<i>For Class 52 Rating, Deduct</i>	-269.81	
<i>For Class 54 Rating, Add</i>	183.96	
<i>For Class 55 Rating, Add</i>	408.88	
40 05 19 00-0261 EA 16" Flanged (FxF), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,624.50	718.41
<i>For Class 52 Rating, Deduct</i>	-278.96	
<i>For Class 54 Rating, Add</i>	190.20	
<i>For Class 55 Rating, Add</i>	422.75	
40 05 19 00-0262 EA 16" Flanged (FxF), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,712.88	721.82
<i>For Class 52 Rating, Deduct</i>	-288.11	
<i>For Class 54 Rating, Add</i>	196.44	
<i>For Class 55 Rating, Add</i>	436.62	
40 05 19 00-0263 EA 16" Flanged (FxF), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,801.27	725.25
<i>For Class 52 Rating, Deduct</i>	-297.26	
<i>For Class 54 Rating, Add</i>	202.68	
<i>For Class 55 Rating, Add</i>	450.49	
40 05 19 00-0264 EA 16" Flanged (FxF), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,889.65	728.67
<i>For Class 52 Rating, Deduct</i>	-306.42	
<i>For Class 54 Rating, Add</i>	208.92	
<i>For Class 55 Rating, Add</i>	464.36	
40 05 19 00-0265 EA 16" Flanged (FxF), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,978.03	732.09
<i>For Class 52 Rating, Deduct</i>	-315.57	
<i>For Class 54 Rating, Add</i>	215.16	
<i>For Class 55 Rating, Add</i>	478.23	
40 05 19 00-0266 EA 16" Flanged (FxF), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,066.42	735.51
<i>For Class 52 Rating, Deduct</i>	-324.72	
<i>For Class 54 Rating, Add</i>	221.40	
<i>For Class 55 Rating, Add</i>	492.10	
40 05 19 00-0267 EA 16" Flanged (FxF), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,154.80	738.94
<i>For Class 52 Rating, Deduct</i>	-333.87	
<i>For Class 54 Rating, Add</i>	227.64	
<i>For Class 55 Rating, Add</i>	505.97	
40 05 19 00-0268 EA 16" Flanged (FxF), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,243.18	742.35
<i>For Class 52 Rating, Deduct</i>	-343.02	
<i>For Class 54 Rating, Add</i>	233.88	
<i>For Class 55 Rating, Add</i>	519.84	
40 05 19 00-0269 EA 16" Flanged (FxF), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,331.56	745.78
<i>For Class 52 Rating, Deduct</i>	-352.18	
<i>For Class 54 Rating, Add</i>	240.12	
<i>For Class 55 Rating, Add</i>	533.71	
40 05 19 00-0270 EA 16" Flanged (FxF), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,419.94	749.20
<i>For Class 52 Rating, Deduct</i>	-361.33	
<i>For Class 54 Rating, Add</i>	246.36	
<i>For Class 55 Rating, Add</i>	547.58	
40 05 19 00-0271 EA 16" Flanged (FxF), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,508.33	752.62
<i>For Class 52 Rating, Deduct</i>	-370.48	
<i>For Class 54 Rating, Add</i>	252.60	
<i>For Class 55 Rating, Add</i>	561.45	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0272	EA		16" Flanged (FxF), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,596.71	756.04
			<i>For Class 52 Rating, Deduct</i>	-379.63	
			<i>For Class 54 Rating, Add</i>	258.84	
			<i>For Class 55 Rating, Add</i>	575.32	
40 05 19 00-0273	EA		16" Flanged (FxF), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,685.10	759.46
			<i>For Class 52 Rating, Deduct</i>	-388.78	
			<i>For Class 54 Rating, Add</i>	265.08	
			<i>For Class 55 Rating, Add</i>	589.18	
40 05 19 00-0274	EA		16" Flanged (FxF), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,773.48	762.88
			<i>For Class 52 Rating, Deduct</i>	-397.94	
			<i>For Class 54 Rating, Add</i>	271.32	
			<i>For Class 55 Rating, Add</i>	603.05	
40 05 19 00-0275	EA		16" Flanged (FxF), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,861.87	766.31
			<i>For Class 52 Rating, Deduct</i>	-407.09	
			<i>For Class 54 Rating, Add</i>	277.56	
			<i>For Class 55 Rating, Add</i>	616.92	
40 05 19 00-0276	EA		16" Flanged (FxF), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,950.25	769.72
			<i>For Class 52 Rating, Deduct</i>	-416.24	
			<i>For Class 54 Rating, Add</i>	283.80	
			<i>For Class 55 Rating, Add</i>	630.79	
40 05 19 00-0277	EA		16" Flanged (FxF), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,038.63	773.14
			<i>For Class 52 Rating, Deduct</i>	-425.39	
			<i>For Class 54 Rating, Add</i>	290.04	
			<i>For Class 55 Rating, Add</i>	644.66	
40 05 19 00-0278	EA		16" Flanged (FxF), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,127.02	776.57
			<i>For Class 52 Rating, Deduct</i>	-434.54	
			<i>For Class 54 Rating, Add</i>	296.28	
			<i>For Class 55 Rating, Add</i>	658.53	
40 05 19 00-0279	EA		16" Flanged (FxF), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,215.40	779.98
			<i>For Class 52 Rating, Deduct</i>	-443.70	
			<i>For Class 54 Rating, Add</i>	302.52	
			<i>For Class 55 Rating, Add</i>	672.40	
40 05 19 00-0280	EA		16" Flanged (FxF), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,303.78	783.41
			<i>For Class 52 Rating, Deduct</i>	-452.85	
			<i>For Class 54 Rating, Add</i>	308.76	
			<i>For Class 55 Rating, Add</i>	686.27	
40 05 19 00-0281			18" Flanged End (FxF), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <small>(40 05 19 00-0002)</small>		
40 05 19 00-0282	EA		18" Flanged (FxF), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,345.67	740.31
			<i>For Class 52 Rating, Deduct</i>	-134.64	
			<i>For Class 54 Rating, Add</i>	91.80	
			<i>For Class 55 Rating, Add</i>	204.04	
40 05 19 00-0283	EA		18" Flanged (FxF), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,446.85	743.72
			<i>For Class 52 Rating, Deduct</i>	-145.20	
			<i>For Class 54 Rating, Add</i>	99.00	
			<i>For Class 55 Rating, Add</i>	220.04	
40 05 19 00-0284	EA		18" Flanged (FxF), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,548.04	747.15
			<i>For Class 52 Rating, Deduct</i>	-155.76	
			<i>For Class 54 Rating, Add</i>	106.20	
			<i>For Class 55 Rating, Add</i>	236.05	
40 05 19 00-0285	EA		18" Flanged (FxF), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,649.22	750.57
			<i>For Class 52 Rating, Deduct</i>	-166.32	
			<i>For Class 54 Rating, Add</i>	113.40	
			<i>For Class 55 Rating, Add</i>	252.05	
40 05 19 00-0286	EA		18" Flanged (FxF), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,750.40	753.98
			<i>For Class 52 Rating, Deduct</i>	-176.88	
			<i>For Class 54 Rating, Add</i>	120.60	
			<i>For Class 55 Rating, Add</i>	268.05	
40 05 19 00-0287	EA		18" Flanged (FxF), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,851.59	757.41
			<i>For Class 52 Rating, Deduct</i>	-187.44	
			<i>For Class 54 Rating, Add</i>	127.80	
			<i>For Class 55 Rating, Add</i>	284.06	
40 05 19 00-0288	EA		18" Flanged (FxF), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,952.77	760.82
			<i>For Class 52 Rating, Deduct</i>	-198.00	
			<i>For Class 54 Rating, Add</i>	135.00	
			<i>For Class 55 Rating, Add</i>	300.06	
40 05 19 00-0289	EA		18" Flanged (FxF), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,053.96	764.25
			<i>For Class 52 Rating, Deduct</i>	-208.56	
			<i>For Class 54 Rating, Add</i>	142.20	
			<i>For Class 55 Rating, Add</i>	316.06	
40 05 19 00-0290	EA		18" Flanged (FxF), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,155.14	767.67
			<i>For Class 52 Rating, Deduct</i>	-219.12	
			<i>For Class 54 Rating, Add</i>	149.40	
			<i>For Class 55 Rating, Add</i>	332.07	
40 05 19 00-0291	EA		18" Flanged (FxF), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,256.33	771.09
			<i>For Class 52 Rating, Deduct</i>	-229.68	
			<i>For Class 54 Rating, Add</i>	156.60	
			<i>For Class 55 Rating, Add</i>	348.07	
40 05 19 00-0292	EA		18" Flanged (FxF), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,357.50	774.51
			<i>For Class 52 Rating, Deduct</i>	-240.24	
			<i>For Class 54 Rating, Add</i>	163.80	
			<i>For Class 55 Rating, Add</i>	364.07	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0293 EA 18" Flanged (FxF), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,458.68	777.94
<i>For Class 52 Rating, Deduct</i>	-250.80	
<i>For Class 54 Rating, Add</i>	171.00	
<i>For Class 55 Rating, Add</i>	380.08	
40 05 19 00-0294 EA 18" Flanged (FxF), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,559.87	781.35
<i>For Class 52 Rating, Deduct</i>	-261.36	
<i>For Class 54 Rating, Add</i>	178.20	
<i>For Class 55 Rating, Add</i>	396.08	
40 05 19 00-0295 EA 18" Flanged (FxF), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,661.05	784.78
<i>For Class 52 Rating, Deduct</i>	-271.92	
<i>For Class 54 Rating, Add</i>	185.40	
<i>For Class 55 Rating, Add</i>	412.08	
40 05 19 00-0296 EA 18" Flanged (FxF), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,762.24	788.20
<i>For Class 52 Rating, Deduct</i>	-282.48	
<i>For Class 54 Rating, Add</i>	192.60	
<i>For Class 55 Rating, Add</i>	428.09	
40 05 19 00-0297 EA 18" Flanged (FxF), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,863.42	791.62
<i>For Class 52 Rating, Deduct</i>	-293.04	
<i>For Class 54 Rating, Add</i>	199.80	
<i>For Class 55 Rating, Add</i>	444.09	
40 05 19 00-0298 EA 18" Flanged (FxF), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,964.60	795.04
<i>For Class 52 Rating, Deduct</i>	-303.60	
<i>For Class 54 Rating, Add</i>	207.00	
<i>For Class 55 Rating, Add</i>	460.09	
40 05 19 00-0299 EA 18" Flanged (FxF), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,065.79	798.46
<i>For Class 52 Rating, Deduct</i>	-314.16	
<i>For Class 54 Rating, Add</i>	214.20	
<i>For Class 55 Rating, Add</i>	476.10	
40 05 19 00-0300 EA 18" Flanged (FxF), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,166.97	801.88
<i>For Class 52 Rating, Deduct</i>	-324.72	
<i>For Class 54 Rating, Add</i>	221.40	
<i>For Class 55 Rating, Add</i>	492.10	
40 05 19 00-0301 EA 18" Flanged (FxF), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,268.16	805.30
<i>For Class 52 Rating, Deduct</i>	-335.28	
<i>For Class 54 Rating, Add</i>	228.60	
<i>For Class 55 Rating, Add</i>	508.10	
40 05 19 00-0302 EA 18" Flanged (FxF), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,369.34	808.72
<i>For Class 52 Rating, Deduct</i>	-345.84	
<i>For Class 54 Rating, Add</i>	235.80	
<i>For Class 55 Rating, Add</i>	524.10	
40 05 19 00-0303 EA 18" Flanged (FxF), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,470.52	812.14
<i>For Class 52 Rating, Deduct</i>	-356.40	
<i>For Class 54 Rating, Add</i>	243.00	
<i>For Class 55 Rating, Add</i>	540.11	
40 05 19 00-0304 EA 18" Flanged (FxF), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,571.71	815.57
<i>For Class 52 Rating, Deduct</i>	-366.96	
<i>For Class 54 Rating, Add</i>	250.20	
<i>For Class 55 Rating, Add</i>	556.11	
40 05 19 00-0305 EA 18" Flanged (FxF), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,672.88	818.98
<i>For Class 52 Rating, Deduct</i>	-377.52	
<i>For Class 54 Rating, Add</i>	257.40	
<i>For Class 55 Rating, Add</i>	572.11	
40 05 19 00-0306 EA 18" Flanged (FxF), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,774.07	822.41
<i>For Class 52 Rating, Deduct</i>	-388.08	
<i>For Class 54 Rating, Add</i>	264.60	
<i>For Class 55 Rating, Add</i>	588.12	
40 05 19 00-0307 EA 18" Flanged (FxF), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,875.25	825.83
<i>For Class 52 Rating, Deduct</i>	-398.64	
<i>For Class 54 Rating, Add</i>	271.80	
<i>For Class 55 Rating, Add</i>	604.12	
40 05 19 00-0308 EA 18" Flanged (FxF), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,976.44	829.25
<i>For Class 52 Rating, Deduct</i>	-409.20	
<i>For Class 54 Rating, Add</i>	279.00	
<i>For Class 55 Rating, Add</i>	620.12	
40 05 19 00-0309 EA 18" Flanged (FxF), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,077.62	832.67
<i>For Class 52 Rating, Deduct</i>	-419.76	
<i>For Class 54 Rating, Add</i>	286.20	
<i>For Class 55 Rating, Add</i>	636.13	
40 05 19 00-0310 EA 18" Flanged (FxF), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,178.80	836.09
<i>For Class 52 Rating, Deduct</i>	-430.32	
<i>For Class 54 Rating, Add</i>	293.40	
<i>For Class 55 Rating, Add</i>	652.13	
40 05 19 00-0311 EA 18" Flanged (FxF), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,279.99	839.51
<i>For Class 52 Rating, Deduct</i>	-440.88	
<i>For Class 54 Rating, Add</i>	300.60	
<i>For Class 55 Rating, Add</i>	668.13	
40 05 19 00-0312 EA 18" Flanged (FxF), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,381.17	842.94
<i>For Class 52 Rating, Deduct</i>	-451.44	
<i>For Class 54 Rating, Add</i>	307.80	
<i>For Class 55 Rating, Add</i>	684.14	
40 05 19 00-0313 EA 18" Flanged (FxF), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,482.36	846.35
<i>For Class 52 Rating, Deduct</i>	-462.00	
<i>For Class 54 Rating, Add</i>	315.00	
<i>For Class 55 Rating, Add</i>	700.14	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0314	EA		18" Flanged (FxF), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,583.54	849.78
			<i>For Class 52 Rating, Deduct</i>	-472.56	
			<i>For Class 54 Rating, Add</i>	322.20	
			<i>For Class 55 Rating, Add</i>	716.14	
40 05 19 00-0315	EA		18" Flanged (FxF), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,684.72	853.20
			<i>For Class 52 Rating, Deduct</i>	-483.12	
			<i>For Class 54 Rating, Add</i>	329.40	
			<i>For Class 55 Rating, Add</i>	732.15	
40 05 19 00-0316	EA		18" Flanged (FxF), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,785.91	856.61
			<i>For Class 52 Rating, Deduct</i>	-493.68	
			<i>For Class 54 Rating, Add</i>	336.60	
			<i>For Class 55 Rating, Add</i>	748.15	
40 05 19 00-0317	EA		18" Flanged (FxF), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,887.08	860.04
			<i>For Class 52 Rating, Deduct</i>	-504.24	
			<i>For Class 54 Rating, Add</i>	343.80	
			<i>For Class 55 Rating, Add</i>	764.15	
40 05 19 00-0318	EA		18" Flanged (FxF), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,988.27	863.45
			<i>For Class 52 Rating, Deduct</i>	-514.80	
			<i>For Class 54 Rating, Add</i>	351.00	
			<i>For Class 55 Rating, Add</i>	780.16	
40 05 19 00-0319	EA		18" Flanged (FxF), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,089.45	866.88
			<i>For Class 52 Rating, Deduct</i>	-525.36	
			<i>For Class 54 Rating, Add</i>	358.20	
			<i>For Class 55 Rating, Add</i>	796.16	
40 05 19 00-0320			20" Flanged End (FxF), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <small>(40 05 19 00-0002)</small>		
40 05 19 00-0321	EA		20" Flanged (FxF), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,727.48	844.98
			<i>For Class 52 Rating, Deduct</i>	-159.19	
			<i>For Class 54 Rating, Add</i>	108.54	
			<i>For Class 55 Rating, Add</i>	241.25	
40 05 19 00-0322	EA		20" Flanged (FxF), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,843.06	848.41
			<i>For Class 52 Rating, Deduct</i>	-171.34	
			<i>For Class 54 Rating, Add</i>	116.82	
			<i>For Class 55 Rating, Add</i>	259.65	
40 05 19 00-0323	EA		20" Flanged (FxF), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,958.65	851.83
			<i>For Class 52 Rating, Deduct</i>	-183.48	
			<i>For Class 54 Rating, Add</i>	125.10	
			<i>For Class 55 Rating, Add</i>	278.06	
40 05 19 00-0324	EA		20" Flanged (FxF), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,074.23	855.25
			<i>For Class 52 Rating, Deduct</i>	-195.62	
			<i>For Class 54 Rating, Add</i>	133.38	
			<i>For Class 55 Rating, Add</i>	296.46	
40 05 19 00-0325	EA		20" Flanged (FxF), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,189.82	858.67
			<i>For Class 52 Rating, Deduct</i>	-207.77	
			<i>For Class 54 Rating, Add</i>	141.66	
			<i>For Class 55 Rating, Add</i>	314.86	
40 05 19 00-0326	EA		20" Flanged (FxF), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,305.40	862.09
			<i>For Class 52 Rating, Deduct</i>	-219.91	
			<i>For Class 54 Rating, Add</i>	149.94	
			<i>For Class 55 Rating, Add</i>	333.27	
40 05 19 00-0327	EA		20" Flanged (FxF), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,420.98	865.51
			<i>For Class 52 Rating, Deduct</i>	-232.06	
			<i>For Class 54 Rating, Add</i>	158.22	
			<i>For Class 55 Rating, Add</i>	351.67	
40 05 19 00-0328	EA		20" Flanged (FxF), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,536.56	868.94
			<i>For Class 52 Rating, Deduct</i>	-244.20	
			<i>For Class 54 Rating, Add</i>	166.50	
			<i>For Class 55 Rating, Add</i>	370.07	
40 05 19 00-0329	EA		20" Flanged (FxF), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,652.14	872.35
			<i>For Class 52 Rating, Deduct</i>	-256.34	
			<i>For Class 54 Rating, Add</i>	174.78	
			<i>For Class 55 Rating, Add</i>	388.48	
40 05 19 00-0330	EA		20" Flanged (FxF), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,767.73	875.77
			<i>For Class 52 Rating, Deduct</i>	-268.49	
			<i>For Class 54 Rating, Add</i>	183.06	
			<i>For Class 55 Rating, Add</i>	406.88	
40 05 19 00-0331	EA		20" Flanged (FxF), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,883.31	879.20
			<i>For Class 52 Rating, Deduct</i>	-280.63	
			<i>For Class 54 Rating, Add</i>	191.34	
			<i>For Class 55 Rating, Add</i>	425.29	
40 05 19 00-0332	EA		20" Flanged (FxF), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,998.90	882.61
			<i>For Class 52 Rating, Deduct</i>	-292.78	
			<i>For Class 54 Rating, Add</i>	199.62	
			<i>For Class 55 Rating, Add</i>	443.69	
40 05 19 00-0333	EA		20" Flanged (FxF), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,114.48	886.04
			<i>For Class 52 Rating, Deduct</i>	-304.92	
			<i>For Class 54 Rating, Add</i>	207.90	
			<i>For Class 55 Rating, Add</i>	462.09	
40 05 19 00-0334	EA		20" Flanged (FxF), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,230.06	889.45
			<i>For Class 52 Rating, Deduct</i>	-317.06	
			<i>For Class 54 Rating, Add</i>	216.18	
			<i>For Class 55 Rating, Add</i>	480.50	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0335 EA 20" Flanged (FxF), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,345.65	892.88
<i>For Class 52 Rating, Deduct</i>	-329.21	
<i>For Class 54 Rating, Add</i>	224.46	
<i>For Class 55 Rating, Add</i>	498.90	
40 05 19 00-0336 EA 20" Flanged (FxF), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,461.23	896.30
<i>For Class 52 Rating, Deduct</i>	-341.35	
<i>For Class 54 Rating, Add</i>	232.74	
<i>For Class 55 Rating, Add</i>	517.30	
40 05 19 00-0337 EA 20" Flanged (FxF), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,576.82	899.72
<i>For Class 52 Rating, Deduct</i>	-353.50	
<i>For Class 54 Rating, Add</i>	241.02	
<i>For Class 55 Rating, Add</i>	535.71	
40 05 19 00-0338 EA 20" Flanged (FxF), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,692.40	903.14
<i>For Class 52 Rating, Deduct</i>	-365.64	
<i>For Class 54 Rating, Add</i>	249.30	
<i>For Class 55 Rating, Add</i>	554.11	
40 05 19 00-0339 EA 20" Flanged (FxF), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,807.98	906.57
<i>For Class 52 Rating, Deduct</i>	-377.78	
<i>For Class 54 Rating, Add</i>	257.58	
<i>For Class 55 Rating, Add</i>	572.51	
40 05 19 00-0340 EA 20" Flanged (FxF), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,923.56	909.98
<i>For Class 52 Rating, Deduct</i>	-389.93	
<i>For Class 54 Rating, Add</i>	265.86	
<i>For Class 55 Rating, Add</i>	590.92	
40 05 19 00-0341 EA 20" Flanged (FxF), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,039.14	913.41
<i>For Class 52 Rating, Deduct</i>	-402.07	
<i>For Class 54 Rating, Add</i>	274.14	
<i>For Class 55 Rating, Add</i>	609.32	
40 05 19 00-0342 EA 20" Flanged (FxF), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,154.73	916.83
<i>For Class 52 Rating, Deduct</i>	-414.22	
<i>For Class 54 Rating, Add</i>	282.42	
<i>For Class 55 Rating, Add</i>	627.73	
40 05 19 00-0343 EA 20" Flanged (FxF), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,270.31	920.25
<i>For Class 52 Rating, Deduct</i>	-426.36	
<i>For Class 54 Rating, Add</i>	290.70	
<i>For Class 55 Rating, Add</i>	646.13	
40 05 19 00-0344 EA 20" Flanged (FxF), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,385.90	923.67
<i>For Class 52 Rating, Deduct</i>	-438.50	
<i>For Class 54 Rating, Add</i>	298.98	
<i>For Class 55 Rating, Add</i>	664.53	
40 05 19 00-0345 EA 20" Flanged (FxF), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,501.48	927.08
<i>For Class 52 Rating, Deduct</i>	-450.65	
<i>For Class 54 Rating, Add</i>	307.26	
<i>For Class 55 Rating, Add</i>	682.94	
40 05 19 00-0346 EA 20" Flanged (FxF), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,617.06	930.51
<i>For Class 52 Rating, Deduct</i>	-462.79	
<i>For Class 54 Rating, Add</i>	315.54	
<i>For Class 55 Rating, Add</i>	701.34	
40 05 19 00-0347 EA 20" Flanged (FxF), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,732.65	933.93
<i>For Class 52 Rating, Deduct</i>	-474.94	
<i>For Class 54 Rating, Add</i>	323.82	
<i>For Class 55 Rating, Add</i>	719.74	
40 05 19 00-0348 EA 20" Flanged (FxF), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,848.23	937.35
<i>For Class 52 Rating, Deduct</i>	-487.08	
<i>For Class 54 Rating, Add</i>	332.10	
<i>For Class 55 Rating, Add</i>	738.15	
40 05 19 00-0349 EA 20" Flanged (FxF), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,963.82	940.77
<i>For Class 52 Rating, Deduct</i>	-499.22	
<i>For Class 54 Rating, Add</i>	340.38	
<i>For Class 55 Rating, Add</i>	756.55	
40 05 19 00-0350 EA 20" Flanged (FxF), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,079.40	944.20
<i>For Class 52 Rating, Deduct</i>	-511.37	
<i>For Class 54 Rating, Add</i>	348.66	
<i>For Class 55 Rating, Add</i>	774.95	
40 05 19 00-0351 EA 20" Flanged (FxF), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,194.98	947.61
<i>For Class 52 Rating, Deduct</i>	-523.51	
<i>For Class 54 Rating, Add</i>	356.94	
<i>For Class 55 Rating, Add</i>	793.36	
40 05 19 00-0352 EA 20" Flanged (FxF), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,310.57	951.04
<i>For Class 52 Rating, Deduct</i>	-535.66	
<i>For Class 54 Rating, Add</i>	365.22	
<i>For Class 55 Rating, Add</i>	811.76	
40 05 19 00-0353 EA 20" Flanged (FxF), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,426.14	954.46
<i>For Class 52 Rating, Deduct</i>	-547.80	
<i>For Class 54 Rating, Add</i>	373.50	
<i>For Class 55 Rating, Add</i>	830.17	
40 05 19 00-0354 EA 20" Flanged (FxF), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,541.73	957.88
<i>For Class 52 Rating, Deduct</i>	-559.94	
<i>For Class 54 Rating, Add</i>	381.78	
<i>For Class 55 Rating, Add</i>	848.57	
40 05 19 00-0355 EA 20" Flanged (FxF), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,657.31	961.30
<i>For Class 52 Rating, Deduct</i>	-572.09	
<i>For Class 54 Rating, Add</i>	390.06	
<i>For Class 55 Rating, Add</i>	866.97	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0356 EA 20" Flanged (FxF), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,772.89	964.72
For Class 52 Rating, Deduct	-584.23	
For Class 54 Rating, Add	398.34	
For Class 55 Rating, Add	885.38	
40 05 19 00-0357 EA 20" Flanged (FxF), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,888.48	968.14
For Class 52 Rating, Deduct	-596.38	
For Class 54 Rating, Add	406.62	
For Class 55 Rating, Add	903.78	
40 05 19 00-0358 EA 20" Flanged (FxF), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,004.06	971.57
For Class 52 Rating, Deduct	-608.52	
For Class 54 Rating, Add	414.90	
For Class 55 Rating, Add	922.18	
40 05 19 00-0359 24" Flanged End (FxF), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe (40 05 19 00-0002)		
40 05 19 00-0360 EA 24" Flanged (FxF), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,319.93	998.93
For Class 52 Rating, Deduct	-198.70	
For Class 54 Rating, Add	135.48	
For Class 55 Rating, Add	301.13	
40 05 19 00-0361 EA 24" Flanged (FxF), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,461.91	1,002.35
For Class 52 Rating, Deduct	-213.75	
For Class 54 Rating, Add	145.74	
For Class 55 Rating, Add	323.93	
40 05 19 00-0362 EA 24" Flanged (FxF), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,603.89	1,005.77
For Class 52 Rating, Deduct	-228.80	
For Class 54 Rating, Add	156.00	
For Class 55 Rating, Add	346.74	
40 05 19 00-0363 EA 24" Flanged (FxF), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,745.88	1,009.20
For Class 52 Rating, Deduct	-243.85	
For Class 54 Rating, Add	166.26	
For Class 55 Rating, Add	369.54	
40 05 19 00-0364 EA 24" Flanged (FxF), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,887.86	1,012.61
For Class 52 Rating, Deduct	-258.90	
For Class 54 Rating, Add	176.52	
For Class 55 Rating, Add	392.35	
40 05 19 00-0365 EA 24" Flanged (FxF), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,029.85	1,016.04
For Class 52 Rating, Deduct	-273.94	
For Class 54 Rating, Add	186.78	
For Class 55 Rating, Add	415.15	
40 05 19 00-0366 EA 24" Flanged (FxF), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,171.83	1,019.46
For Class 52 Rating, Deduct	-288.99	
For Class 54 Rating, Add	197.04	
For Class 55 Rating, Add	437.95	
40 05 19 00-0367 EA 24" Flanged (FxF), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,313.82	1,022.88
For Class 52 Rating, Deduct	-304.04	
For Class 54 Rating, Add	207.30	
For Class 55 Rating, Add	460.76	
40 05 19 00-0368 EA 24" Flanged (FxF), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,455.80	1,026.30
For Class 52 Rating, Deduct	-319.09	
For Class 54 Rating, Add	217.56	
For Class 55 Rating, Add	483.56	
40 05 19 00-0369 EA 24" Flanged (FxF), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,597.78	1,029.71
For Class 52 Rating, Deduct	-334.14	
For Class 54 Rating, Add	227.82	
For Class 55 Rating, Add	506.37	
40 05 19 00-0370 EA 24" Flanged (FxF), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,739.77	1,033.14
For Class 52 Rating, Deduct	-349.18	
For Class 54 Rating, Add	238.08	
For Class 55 Rating, Add	529.17	
40 05 19 00-0371 EA 24" Flanged (FxF), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,881.75	1,036.56
For Class 52 Rating, Deduct	-364.23	
For Class 54 Rating, Add	248.34	
For Class 55 Rating, Add	551.98	
40 05 19 00-0372 EA 24" Flanged (FxF), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,023.73	1,039.98
For Class 52 Rating, Deduct	-379.28	
For Class 54 Rating, Add	258.60	
For Class 55 Rating, Add	574.78	
40 05 19 00-0373 EA 24" Flanged (FxF), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,165.71	1,043.40
For Class 52 Rating, Deduct	-394.33	
For Class 54 Rating, Add	268.86	
For Class 55 Rating, Add	597.59	
40 05 19 00-0374 EA 24" Flanged (FxF), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,307.69	1,046.83
For Class 52 Rating, Deduct	-409.38	
For Class 54 Rating, Add	279.12	
For Class 55 Rating, Add	620.39	
40 05 19 00-0375 EA 24" Flanged (FxF), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,449.68	1,050.24
For Class 52 Rating, Deduct	-424.42	
For Class 54 Rating, Add	289.38	
For Class 55 Rating, Add	643.20	
40 05 19 00-0376 EA 24" Flanged (FxF), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,591.66	1,053.67
For Class 52 Rating, Deduct	-439.47	
For Class 54 Rating, Add	299.64	
For Class 55 Rating, Add	666.00	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0377 EA 24" Flanged (FxF), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,733.65	1,057.08
<i>For Class 52 Rating, Deduct</i>	-454.52	
<i>For Class 54 Rating, Add</i>	309.90	
<i>For Class 55 Rating, Add</i>	688.80	
40 05 19 00-0378 EA 24" Flanged (FxF), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,875.63	1,060.51
<i>For Class 52 Rating, Deduct</i>	-469.57	
<i>For Class 54 Rating, Add</i>	320.16	
<i>For Class 55 Rating, Add</i>	711.61	
40 05 19 00-0379 EA 24" Flanged (FxF), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,017.61	1,063.93
<i>For Class 52 Rating, Deduct</i>	-484.62	
<i>For Class 54 Rating, Add</i>	330.42	
<i>For Class 55 Rating, Add</i>	734.41	
40 05 19 00-0380 EA 24" Flanged (FxF), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,159.60	1,067.35
<i>For Class 52 Rating, Deduct</i>	-499.66	
<i>For Class 54 Rating, Add</i>	340.68	
<i>For Class 55 Rating, Add</i>	757.22	
40 05 19 00-0381 EA 24" Flanged (FxF), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,301.58	1,070.77
<i>For Class 52 Rating, Deduct</i>	-514.71	
<i>For Class 54 Rating, Add</i>	350.94	
<i>For Class 55 Rating, Add</i>	780.02	
40 05 19 00-0382 EA 24" Flanged (FxF), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,443.57	1,074.20
<i>For Class 52 Rating, Deduct</i>	-529.76	
<i>For Class 54 Rating, Add</i>	361.20	
<i>For Class 55 Rating, Add</i>	802.83	
40 05 19 00-0383 EA 24" Flanged (FxF), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,585.55	1,077.61
<i>For Class 52 Rating, Deduct</i>	-544.81	
<i>For Class 54 Rating, Add</i>	371.46	
<i>For Class 55 Rating, Add</i>	825.63	
40 05 19 00-0384 EA 24" Flanged (FxF), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,727.53	1,081.03
<i>For Class 52 Rating, Deduct</i>	-559.86	
<i>For Class 54 Rating, Add</i>	381.72	
<i>For Class 55 Rating, Add</i>	848.44	
40 05 19 00-0385 EA 24" Flanged (FxF), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,869.51	1,084.46
<i>For Class 52 Rating, Deduct</i>	-574.90	
<i>For Class 54 Rating, Add</i>	391.98	
<i>For Class 55 Rating, Add</i>	871.24	
40 05 19 00-0386 EA 24" Flanged (FxF), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,011.49	1,087.87
<i>For Class 52 Rating, Deduct</i>	-589.95	
<i>For Class 54 Rating, Add</i>	402.24	
<i>For Class 55 Rating, Add</i>	894.05	
40 05 19 00-0387 EA 24" Flanged (FxF), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,153.48	1,091.30
<i>For Class 52 Rating, Deduct</i>	-605.00	
<i>For Class 54 Rating, Add</i>	412.50	
<i>For Class 55 Rating, Add</i>	916.85	
40 05 19 00-0388 EA 24" Flanged (FxF), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,295.46	1,094.71
<i>For Class 52 Rating, Deduct</i>	-620.05	
<i>For Class 54 Rating, Add</i>	422.76	
<i>For Class 55 Rating, Add</i>	939.65	
40 05 19 00-0389 EA 24" Flanged (FxF), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,525.57	1,156.30
<i>For Class 52 Rating, Deduct</i>	-635.10	
<i>For Class 54 Rating, Add</i>	433.02	
<i>For Class 55 Rating, Add</i>	962.46	
40 05 19 00-0390 EA 24" Flanged (FxF), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,667.55	1,159.71
<i>For Class 52 Rating, Deduct</i>	-650.14	
<i>For Class 54 Rating, Add</i>	443.28	
<i>For Class 55 Rating, Add</i>	985.26	
40 05 19 00-0391 EA 24" Flanged (FxF), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,809.53	1,163.14
<i>For Class 52 Rating, Deduct</i>	-665.19	
<i>For Class 54 Rating, Add</i>	453.54	
<i>For Class 55 Rating, Add</i>	1,008.07	
40 05 19 00-0392 EA 24" Flanged (FxF), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,951.51	1,166.56
<i>For Class 52 Rating, Deduct</i>	-680.24	
<i>For Class 54 Rating, Add</i>	463.80	
<i>For Class 55 Rating, Add</i>	1,030.87	
40 05 19 00-0393 EA 24" Flanged (FxF), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,093.49	1,169.98
<i>For Class 52 Rating, Deduct</i>	-695.29	
<i>For Class 54 Rating, Add</i>	474.06	
<i>For Class 55 Rating, Add</i>	1,053.68	
40 05 19 00-0394 EA 24" Flanged (FxF), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,235.48	1,173.40
<i>For Class 52 Rating, Deduct</i>	-710.34	
<i>For Class 54 Rating, Add</i>	484.32	
<i>For Class 55 Rating, Add</i>	1,076.48	
40 05 19 00-0395 EA 24" Flanged (FxF), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,377.46	1,176.83
<i>For Class 52 Rating, Deduct</i>	-725.38	
<i>For Class 54 Rating, Add</i>	494.58	
<i>For Class 55 Rating, Add</i>	1,099.29	
40 05 19 00-0396 EA 24" Flanged (FxF), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,519.45	1,180.24
<i>For Class 52 Rating, Deduct</i>	-740.43	
<i>For Class 54 Rating, Add</i>	504.84	
<i>For Class 55 Rating, Add</i>	1,122.09	
40 05 19 00-0397 EA 24" Flanged (FxF), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,661.43	1,183.66
<i>For Class 52 Rating, Deduct</i>	-755.48	
<i>For Class 54 Rating, Add</i>	515.10	
<i>For Class 55 Rating, Add</i>	1,144.90	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0398 30" Flanged End (FxF), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <small>(40 05 19 00-0002)</small>		
40 05 19 00-0399 EA 30" Flanged (FxF), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,007.53	1,409.45
For Class 52 Rating, Deduct	-315.92	
For Class 54 Rating, Add	215.40	
For Class 55 Rating, Add	478.76	
40 05 19 00-0400 EA 30" Flanged (FxF), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,210.32	1,412.87
For Class 52 Rating, Deduct	-337.66	
For Class 54 Rating, Add	230.22	
For Class 55 Rating, Add	511.70	
40 05 19 00-0401 EA 30" Flanged (FxF), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,413.10	1,416.29
For Class 52 Rating, Deduct	-359.39	
For Class 54 Rating, Add	245.04	
For Class 55 Rating, Add	544.64	
40 05 19 00-0402 EA 30" Flanged (FxF), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,615.87	1,419.72
For Class 52 Rating, Deduct	-381.13	
For Class 54 Rating, Add	259.86	
For Class 55 Rating, Add	577.58	
40 05 19 00-0403 EA 30" Flanged (FxF), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,818.66	1,423.13
For Class 52 Rating, Deduct	-402.86	
For Class 54 Rating, Add	274.68	
For Class 55 Rating, Add	610.52	
40 05 19 00-0404 EA 30" Flanged (FxF), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,021.44	1,426.56
For Class 52 Rating, Deduct	-424.60	
For Class 54 Rating, Add	289.50	
For Class 55 Rating, Add	643.46	
40 05 19 00-0405 EA 30" Flanged (FxF), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,224.23	1,429.97
For Class 52 Rating, Deduct	-446.34	
For Class 54 Rating, Add	304.32	
For Class 55 Rating, Add	676.40	
40 05 19 00-0406 EA 30" Flanged (FxF), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,427.01	1,433.40
For Class 52 Rating, Deduct	-468.07	
For Class 54 Rating, Add	319.14	
For Class 55 Rating, Add	709.34	
40 05 19 00-0407 EA 30" Flanged (FxF), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,629.79	1,436.82
For Class 52 Rating, Deduct	-489.81	
For Class 54 Rating, Add	333.96	
For Class 55 Rating, Add	742.28	
40 05 19 00-0408 EA 30" Flanged (FxF), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,832.58	1,440.23
For Class 52 Rating, Deduct	-511.54	
For Class 54 Rating, Add	348.78	
For Class 55 Rating, Add	775.22	
40 05 19 00-0409 EA 30" Flanged (FxF), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,035.36	1,443.66
For Class 52 Rating, Deduct	-533.28	
For Class 54 Rating, Add	363.60	
For Class 55 Rating, Add	808.16	
40 05 19 00-0410 EA 30" Flanged (FxF), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,238.15	1,447.08
For Class 52 Rating, Deduct	-555.02	
For Class 54 Rating, Add	378.42	
For Class 55 Rating, Add	841.10	
40 05 19 00-0411 EA 30" Flanged (FxF), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,440.93	1,450.50
For Class 52 Rating, Deduct	-576.75	
For Class 54 Rating, Add	393.24	
For Class 55 Rating, Add	874.04	
40 05 19 00-0412 EA 30" Flanged (FxF), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,643.72	1,453.92
For Class 52 Rating, Deduct	-598.49	
For Class 54 Rating, Add	408.06	
For Class 55 Rating, Add	906.98	
40 05 19 00-0413 EA 30" Flanged (FxF), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,846.50	1,457.35
For Class 52 Rating, Deduct	-620.22	
For Class 54 Rating, Add	422.88	
For Class 55 Rating, Add	939.92	
40 05 19 00-0414 EA 30" Flanged (FxF), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,049.27	1,460.76
For Class 52 Rating, Deduct	-641.96	
For Class 54 Rating, Add	437.70	
For Class 55 Rating, Add	972.86	
40 05 19 00-0415 EA 30" Flanged (FxF), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,252.06	1,464.19
For Class 52 Rating, Deduct	-663.70	
For Class 54 Rating, Add	452.52	
For Class 55 Rating, Add	1,005.80	
40 05 19 00-0416 EA 30" Flanged (FxF), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,454.84	1,467.60
For Class 52 Rating, Deduct	-685.43	
For Class 54 Rating, Add	467.34	
For Class 55 Rating, Add	1,038.74	
40 05 19 00-0417 EA 30" Flanged (FxF), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,657.63	1,471.03
For Class 52 Rating, Deduct	-707.17	
For Class 54 Rating, Add	482.16	
For Class 55 Rating, Add	1,071.68	
40 05 19 00-0418 EA 30" Flanged (FxF), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,860.41	1,474.45
For Class 52 Rating, Deduct	-728.90	
For Class 54 Rating, Add	496.98	
For Class 55 Rating, Add	1,104.62	



Process Interconnections	40
Common Work Results For Process Interconnections	
40 05	40
Ductile Iron Process Pipe 40 05 19	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0419 EA 30" Flanged (FxF), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,063.19	1,477.87
<i>For Class 52 Rating, Deduct</i>	-750.64	
<i>For Class 54 Rating, Add</i>	511.80	
<i>For Class 55 Rating, Add</i>	1,137.56	
40 05 19 00-0420 EA 30" Flanged (FxF), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,265.98	1,481.29
<i>For Class 52 Rating, Deduct</i>	-772.38	
<i>For Class 54 Rating, Add</i>	526.62	
<i>For Class 55 Rating, Add</i>	1,170.50	
40 05 19 00-0421 EA 30" Flanged (FxF), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,468.76	1,484.72
<i>For Class 52 Rating, Deduct</i>	-794.11	
<i>For Class 54 Rating, Add</i>	541.44	
<i>For Class 55 Rating, Add</i>	1,203.44	
40 05 19 00-0422 EA 30" Flanged (FxF), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,671.55	1,488.13
<i>For Class 52 Rating, Deduct</i>	-815.85	
<i>For Class 54 Rating, Add</i>	556.26	
<i>For Class 55 Rating, Add</i>	1,236.38	
40 05 19 00-0423 EA 30" Flanged (FxF), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,873.53	1,491.55
<i>For Class 52 Rating, Deduct</i>	-837.50	
<i>For Class 54 Rating, Add</i>	571.02	
<i>For Class 55 Rating, Add</i>	1,269.19	
40 05 19 00-0424 EA 30" Flanged (FxF), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,077.12	1,494.97
<i>For Class 52 Rating, Deduct</i>	-859.32	
<i>For Class 54 Rating, Add</i>	585.90	
<i>For Class 55 Rating, Add</i>	1,302.26	
40 05 19 00-0425 EA 30" Flanged (FxF), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,279.90	1,498.39
<i>For Class 52 Rating, Deduct</i>	-881.06	
<i>For Class 54 Rating, Add</i>	600.72	
<i>For Class 55 Rating, Add</i>	1,335.20	
40 05 19 00-0426 EA 30" Flanged (FxF), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,482.68	1,501.82
<i>For Class 52 Rating, Deduct</i>	-902.79	
<i>For Class 54 Rating, Add</i>	615.54	
<i>For Class 55 Rating, Add</i>	1,368.14	
40 05 19 00-0427 EA 30" Flanged (FxF), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,685.46	1,505.23
<i>For Class 52 Rating, Deduct</i>	-924.53	
<i>For Class 54 Rating, Add</i>	630.36	
<i>For Class 55 Rating, Add</i>	1,401.08	
40 05 19 00-0428 EA 30" Flanged (FxF), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,888.24	1,508.66
<i>For Class 52 Rating, Deduct</i>	-946.26	
<i>For Class 54 Rating, Add</i>	645.18	
<i>For Class 55 Rating, Add</i>	1,434.02	
40 05 19 00-0429 EA 30" Flanged (FxF), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,091.03	1,512.08
<i>For Class 52 Rating, Deduct</i>	-968.00	
<i>For Class 54 Rating, Add</i>	660.00	
<i>For Class 55 Rating, Add</i>	1,466.96	
40 05 19 00-0430 EA 30" Flanged (FxF), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,293.81	1,515.50
<i>For Class 52 Rating, Deduct</i>	-989.74	
<i>For Class 54 Rating, Add</i>	674.82	
<i>For Class 55 Rating, Add</i>	1,499.90	
40 05 19 00-0431 EA 30" Flanged (FxF), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,496.59	1,518.92
<i>For Class 52 Rating, Deduct</i>	-1,011.47	
<i>For Class 54 Rating, Add</i>	689.64	
<i>For Class 55 Rating, Add</i>	1,532.84	
40 05 19 00-0432 EA 30" Flanged (FxF), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,699.38	1,522.35
<i>For Class 52 Rating, Deduct</i>	-1,033.21	
<i>For Class 54 Rating, Add</i>	704.46	
<i>For Class 55 Rating, Add</i>	1,565.78	
40 05 19 00-0433 EA 30" Flanged (FxF), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,902.16	1,525.76
<i>For Class 52 Rating, Deduct</i>	-1,054.94	
<i>For Class 54 Rating, Add</i>	719.28	
<i>For Class 55 Rating, Add</i>	1,598.72	
40 05 19 00-0434 EA 30" Flanged (FxF), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,104.95	1,529.19
<i>For Class 52 Rating, Deduct</i>	-1,076.68	
<i>For Class 54 Rating, Add</i>	734.10	
<i>For Class 55 Rating, Add</i>	1,631.66	
40 05 19 00-0435 EA 30" Flanged (FxF), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,307.73	1,532.60
<i>For Class 52 Rating, Deduct</i>	-1,098.42	
<i>For Class 54 Rating, Add</i>	748.92	
<i>For Class 55 Rating, Add</i>	1,664.60	
40 05 19 00-0436 EA 30" Flanged (FxF), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,510.51	1,536.03
<i>For Class 52 Rating, Deduct</i>	-1,120.15	
<i>For Class 54 Rating, Add</i>	763.74	
<i>For Class 55 Rating, Add</i>	1,697.54	
40 05 19 00-0437 36" Flanged End (FxF), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <small>(40 05 19 00-0002)</small>		
40 05 19 00-0438 EA 36" Flanged (FxF), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,815.30	1,785.76
<i>For Class 52 Rating, Deduct</i>	-452.06	
<i>For Class 54 Rating, Add</i>	308.22	
<i>For Class 55 Rating, Add</i>	685.07	
40 05 19 00-0439 EA 36" Flanged (FxF), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,089.28	1,789.18
<i>For Class 52 Rating, Deduct</i>	-481.62	
<i>For Class 54 Rating, Add</i>	328.38	
<i>For Class 55 Rating, Add</i>	729.88	

40 Process Interconnections

40 05 Common Work Results For Process Interconnections

40 05 19 Ductile Iron Process Pipe



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0440	EA		36" Flanged (FxF), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,363.26	1,792.60
			<i>For Class 52 Rating, Deduct</i>	-511.19	
			<i>For Class 54 Rating, Add</i>	348.54	
			<i>For Class 55 Rating, Add</i>	774.69	
40 05 19 00-0441	EA		36" Flanged (FxF), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,637.25	1,796.02
			<i>For Class 52 Rating, Deduct</i>	-540.76	
			<i>For Class 54 Rating, Add</i>	368.70	
			<i>For Class 55 Rating, Add</i>	819.50	
40 05 19 00-0442	EA		36" Flanged (FxF), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,911.22	1,799.44
			<i>For Class 52 Rating, Deduct</i>	-570.33	
			<i>For Class 54 Rating, Add</i>	388.86	
			<i>For Class 55 Rating, Add</i>	864.31	
40 05 19 00-0443	EA		36" Flanged (FxF), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,185.21	1,802.86
			<i>For Class 52 Rating, Deduct</i>	-599.90	
			<i>For Class 54 Rating, Add</i>	409.02	
			<i>For Class 55 Rating, Add</i>	909.12	
40 05 19 00-0444	EA		36" Flanged (FxF), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,459.19	1,806.28
			<i>For Class 52 Rating, Deduct</i>	-629.46	
			<i>For Class 54 Rating, Add</i>	429.18	
			<i>For Class 55 Rating, Add</i>	953.92	
40 05 19 00-0445	EA		36" Flanged (FxF), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,733.18	1,809.71
			<i>For Class 52 Rating, Deduct</i>	-659.03	
			<i>For Class 54 Rating, Add</i>	449.34	
			<i>For Class 55 Rating, Add</i>	998.73	
40 05 19 00-0446	EA		36" Flanged (FxF), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,007.16	1,813.12
			<i>For Class 52 Rating, Deduct</i>	-688.60	
			<i>For Class 54 Rating, Add</i>	469.50	
			<i>For Class 55 Rating, Add</i>	1,043.54	
40 05 19 00-0447	EA		36" Flanged (FxF), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,281.14	1,816.55
			<i>For Class 52 Rating, Deduct</i>	-718.17	
			<i>For Class 54 Rating, Add</i>	489.66	
			<i>For Class 55 Rating, Add</i>	1,088.35	
40 05 19 00-0448	EA		36" Flanged (FxF), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,555.13	1,819.97
			<i>For Class 52 Rating, Deduct</i>	-747.74	
			<i>For Class 54 Rating, Add</i>	509.82	
			<i>For Class 55 Rating, Add</i>	1,133.16	
40 05 19 00-0449	EA		36" Flanged (FxF), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,829.11	1,823.39
			<i>For Class 52 Rating, Deduct</i>	-777.30	
			<i>For Class 54 Rating, Add</i>	529.98	
			<i>For Class 55 Rating, Add</i>	1,177.97	
40 05 19 00-0450	EA		36" Flanged (FxF), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,103.10	1,826.81
			<i>For Class 52 Rating, Deduct</i>	-806.87	
			<i>For Class 54 Rating, Add</i>	550.14	
			<i>For Class 55 Rating, Add</i>	1,222.78	
40 05 19 00-0451	EA		36" Flanged (FxF), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,377.08	1,830.23
			<i>For Class 52 Rating, Deduct</i>	-836.44	
			<i>For Class 54 Rating, Add</i>	570.30	
			<i>For Class 55 Rating, Add</i>	1,267.59	
40 05 19 00-0452	EA		36" Flanged (FxF), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,651.06	1,833.65
			<i>For Class 52 Rating, Deduct</i>	-866.01	
			<i>For Class 54 Rating, Add</i>	590.46	
			<i>For Class 55 Rating, Add</i>	1,312.40	
40 05 19 00-0453	EA		36" Flanged (FxF), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,925.05	1,837.08
			<i>For Class 52 Rating, Deduct</i>	-895.58	
			<i>For Class 54 Rating, Add</i>	610.62	
			<i>For Class 55 Rating, Add</i>	1,357.20	
40 05 19 00-0454	EA		36" Flanged (FxF), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,199.03	1,840.49
			<i>For Class 52 Rating, Deduct</i>	-925.14	
			<i>For Class 54 Rating, Add</i>	630.78	
			<i>For Class 55 Rating, Add</i>	1,402.01	
40 05 19 00-0455	EA		36" Flanged (FxF), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,473.01	1,843.92
			<i>For Class 52 Rating, Deduct</i>	-954.71	
			<i>For Class 54 Rating, Add</i>	650.94	
			<i>For Class 55 Rating, Add</i>	1,446.82	
40 05 19 00-0456	EA		36" Flanged (FxF), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,746.99	1,847.34
			<i>For Class 52 Rating, Deduct</i>	-984.28	
			<i>For Class 54 Rating, Add</i>	671.10	
			<i>For Class 55 Rating, Add</i>	1,491.63	
40 05 19 00-0457	EA		36" Flanged (FxF), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,020.97	1,850.75
			<i>For Class 52 Rating, Deduct</i>	-1,013.85	
			<i>For Class 54 Rating, Add</i>	691.26	
			<i>For Class 55 Rating, Add</i>	1,536.44	
40 05 19 00-0458	EA		36" Flanged (FxF), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,294.96	1,854.18
			<i>For Class 52 Rating, Deduct</i>	-1,043.42	
			<i>For Class 54 Rating, Add</i>	711.42	
			<i>For Class 55 Rating, Add</i>	1,581.25	
40 05 19 00-0459	EA		36" Flanged (FxF), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,568.94	1,857.60
			<i>For Class 52 Rating, Deduct</i>	-1,072.98	
			<i>For Class 54 Rating, Add</i>	731.58	
			<i>For Class 55 Rating, Add</i>	1,626.06	
40 05 19 00-0460	EA		36" Flanged (FxF), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,842.93	1,861.02
			<i>For Class 52 Rating, Deduct</i>	-1,102.55	
			<i>For Class 54 Rating, Add</i>	751.74	
			<i>For Class 55 Rating, Add</i>	1,670.87	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0461 EA 36" Flanged (FxF), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,116.91	1,864.44
<i>For Class 52 Rating, Deduct</i>	-1,132.12	
<i>For Class 54 Rating, Add</i>	771.90	
<i>For Class 55 Rating, Add</i>	1,715.68	
40 05 19 00-0462 EA 36" Flanged (FxF), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,390.90	1,867.86
<i>For Class 52 Rating, Deduct</i>	-1,161.69	
<i>For Class 54 Rating, Add</i>	792.06	
<i>For Class 55 Rating, Add</i>	1,760.49	
40 05 19 00-0463 EA 36" Flanged (FxF), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,664.88	1,871.28
<i>For Class 52 Rating, Deduct</i>	-1,191.26	
<i>For Class 54 Rating, Add</i>	812.22	
<i>For Class 55 Rating, Add</i>	1,805.29	
40 05 19 00-0464 EA 36" Flanged (FxF), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,938.86	1,874.71
<i>For Class 52 Rating, Deduct</i>	-1,220.82	
<i>For Class 54 Rating, Add</i>	832.38	
<i>For Class 55 Rating, Add</i>	1,850.10	
40 05 19 00-0465 EA 36" Flanged (FxF), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,212.85	1,878.12
<i>For Class 52 Rating, Deduct</i>	-1,250.39	
<i>For Class 54 Rating, Add</i>	852.54	
<i>For Class 55 Rating, Add</i>	1,894.91	
40 05 19 00-0466 EA 36" Flanged (FxF), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,486.83	1,881.55
<i>For Class 52 Rating, Deduct</i>	-1,279.96	
<i>For Class 54 Rating, Add</i>	872.70	
<i>For Class 55 Rating, Add</i>	1,939.72	
40 05 19 00-0467 EA 36" Flanged (FxF), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,760.81	1,884.97
<i>For Class 52 Rating, Deduct</i>	-1,309.53	
<i>For Class 54 Rating, Add</i>	892.86	
<i>For Class 55 Rating, Add</i>	1,984.53	
40 05 19 00-0468 EA 36" Flanged (FxF), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	15,034.79	1,888.39
<i>For Class 52 Rating, Deduct</i>	-1,339.10	
<i>For Class 54 Rating, Add</i>	913.02	
<i>For Class 55 Rating, Add</i>	2,029.34	
40 05 19 00-0469 EA 36" Flanged (FxF), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	15,308.77	1,891.81
<i>For Class 52 Rating, Deduct</i>	-1,368.66	
<i>For Class 54 Rating, Add</i>	933.18	
<i>For Class 55 Rating, Add</i>	2,074.15	
40 05 19 00-0470 EA 36" Flanged (FxF), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	15,582.76	1,895.23
<i>For Class 52 Rating, Deduct</i>	-1,398.23	
<i>For Class 54 Rating, Add</i>	953.34	
<i>For Class 55 Rating, Add</i>	2,118.96	
40 05 19 00-0471 EA 36" Flanged (FxF), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	15,856.74	1,898.65
<i>For Class 52 Rating, Deduct</i>	-1,427.80	
<i>For Class 54 Rating, Add</i>	973.50	
<i>For Class 55 Rating, Add</i>	2,163.77	
40 05 19 00-0472 EA 36" Flanged (FxF), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	16,130.73	1,902.07
<i>For Class 52 Rating, Deduct</i>	-1,457.37	
<i>For Class 54 Rating, Add</i>	993.66	
<i>For Class 55 Rating, Add</i>	2,208.57	
40 05 19 00-0473 EA 36" Flanged (FxF), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	16,404.71	1,905.49
<i>For Class 52 Rating, Deduct</i>	-1,486.94	
<i>For Class 54 Rating, Add</i>	1,013.82	
<i>For Class 55 Rating, Add</i>	2,253.38	
40 05 19 00-0474 EA 36" Flanged (FxF), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	16,678.69	1,908.91
<i>For Class 52 Rating, Deduct</i>	-1,516.50	
<i>For Class 54 Rating, Add</i>	1,033.98	
<i>For Class 55 Rating, Add</i>	2,298.19	
40 05 19 00-0475 EA 36" Flanged (FxF), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	16,952.68	1,912.34
<i>For Class 52 Rating, Deduct</i>	-1,546.07	
<i>For Class 54 Rating, Add</i>	1,054.14	
<i>For Class 55 Rating, Add</i>	2,343.00	
40 05 19 00-0476 42" Flanged End (FxF), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <small>(40 05 19 00-0002)</small>		
40 05 19 00-0477 EA 42" Flanged (FxF), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,893.03	2,251.01
<i>For Class 52 Rating, Deduct</i>	-603.06	
<i>For Class 54 Rating, Add</i>	411.18	
<i>For Class 55 Rating, Add</i>	913.92	
40 05 19 00-0478 EA 42" Flanged (FxF), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,299.81	2,254.44
<i>For Class 52 Rating, Deduct</i>	-647.24	
<i>For Class 54 Rating, Add</i>	441.30	
<i>For Class 55 Rating, Add</i>	980.86	
40 05 19 00-0479 EA 42" Flanged (FxF), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,701.80	2,257.86
<i>For Class 52 Rating, Deduct</i>	-690.89	
<i>For Class 54 Rating, Add</i>	471.06	
<i>For Class 55 Rating, Add</i>	1,047.01	
40 05 19 00-0480 EA 42" Flanged (FxF), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,107.78	2,261.27
<i>For Class 52 Rating, Deduct</i>	-734.98	
<i>For Class 54 Rating, Add</i>	501.12	
<i>For Class 55 Rating, Add</i>	1,113.82	
40 05 19 00-0481 EA 42" Flanged (FxF), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,509.75	2,264.70
<i>For Class 52 Rating, Deduct</i>	-778.62	
<i>For Class 54 Rating, Add</i>	530.88	
<i>For Class 55 Rating, Add</i>	1,179.97	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0482	EA		42" Flanged (FxF), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,916.54	2,268.11
			<i>For Class 52 Rating, Deduct</i>	-822.80	
			<i>For Class 54 Rating, Add</i>	561.00	
			<i>For Class 55 Rating, Add</i>	1,246.92	
40 05 19 00-0483	EA		42" Flanged (FxF), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,317.72	2,271.54
			<i>For Class 52 Rating, Deduct</i>	-866.36	
			<i>For Class 54 Rating, Add</i>	590.70	
			<i>For Class 55 Rating, Add</i>	1,312.93	
40 05 19 00-0484	EA		42" Flanged (FxF), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,724.51	2,274.96
			<i>For Class 52 Rating, Deduct</i>	-910.54	
			<i>For Class 54 Rating, Add</i>	620.82	
			<i>For Class 55 Rating, Add</i>	1,379.88	
40 05 19 00-0485	EA		42" Flanged (FxF), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,126.49	2,278.38
			<i>For Class 52 Rating, Deduct</i>	-954.18	
			<i>For Class 54 Rating, Add</i>	650.58	
			<i>For Class 55 Rating, Add</i>	1,446.02	
40 05 19 00-0486	EA		42" Flanged (FxF), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,532.48	2,281.80
			<i>For Class 52 Rating, Deduct</i>	-998.27	
			<i>For Class 54 Rating, Add</i>	680.64	
			<i>For Class 55 Rating, Add</i>	1,512.84	
40 05 19 00-0487	EA		42" Flanged (FxF), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,934.46	2,285.23
			<i>For Class 52 Rating, Deduct</i>	-1,041.92	
			<i>For Class 54 Rating, Add</i>	710.40	
			<i>For Class 55 Rating, Add</i>	1,578.98	
40 05 19 00-0488	EA		42" Flanged (FxF), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,340.44	2,288.64
			<i>For Class 52 Rating, Deduct</i>	-1,086.01	
			<i>For Class 54 Rating, Add</i>	740.46	
			<i>For Class 55 Rating, Add</i>	1,645.80	
40 05 19 00-0489	EA		42" Flanged (FxF), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,742.43	2,292.07
			<i>For Class 52 Rating, Deduct</i>	-1,129.66	
			<i>For Class 54 Rating, Add</i>	770.22	
			<i>For Class 55 Rating, Add</i>	1,711.94	
40 05 19 00-0490	EA		42" Flanged (FxF), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,145.21	2,295.48
			<i>For Class 52 Rating, Deduct</i>	-1,173.39	
			<i>For Class 54 Rating, Add</i>	800.04	
			<i>For Class 55 Rating, Add</i>	1,778.22	
40 05 19 00-0491	EA		42" Flanged (FxF), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,550.40	2,298.91
			<i>For Class 52 Rating, Deduct</i>	-1,217.39	
			<i>For Class 54 Rating, Add</i>	830.04	
			<i>For Class 55 Rating, Add</i>	1,844.90	
40 05 19 00-0492	EA		42" Flanged (FxF), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,952.38	2,302.33
			<i>For Class 52 Rating, Deduct</i>	-1,261.04	
			<i>For Class 54 Rating, Add</i>	859.80	
			<i>For Class 55 Rating, Add</i>	1,911.05	
40 05 19 00-0493	EA		42" Flanged (FxF), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	15,359.16	2,305.75
			<i>For Class 52 Rating, Deduct</i>	-1,305.22	
			<i>For Class 54 Rating, Add</i>	889.92	
			<i>For Class 55 Rating, Add</i>	1,978.00	
40 05 19 00-0494	EA		42" Flanged (FxF), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	15,761.14	2,309.17
			<i>For Class 52 Rating, Deduct</i>	-1,348.86	
			<i>For Class 54 Rating, Add</i>	919.68	
			<i>For Class 55 Rating, Add</i>	2,044.14	
40 05 19 00-0495	EA		42" Flanged (FxF), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	16,167.12	2,312.59
			<i>For Class 52 Rating, Deduct</i>	-1,392.95	
			<i>For Class 54 Rating, Add</i>	949.74	
			<i>For Class 55 Rating, Add</i>	2,110.96	
40 05 19 00-0496	EA		42" Flanged (FxF), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	16,569.11	2,316.01
			<i>For Class 52 Rating, Deduct</i>	-1,436.60	
			<i>For Class 54 Rating, Add</i>	979.50	
			<i>For Class 55 Rating, Add</i>	2,177.10	
40 05 19 00-0497	EA		42" Flanged (FxF), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	16,975.89	2,319.43
			<i>For Class 52 Rating, Deduct</i>	-1,480.78	
			<i>For Class 54 Rating, Add</i>	1,009.62	
			<i>For Class 55 Rating, Add</i>	2,244.05	
40 05 19 00-0498	EA		42" Flanged (FxF), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	17,377.87	2,322.86
			<i>For Class 52 Rating, Deduct</i>	-1,524.42	
			<i>For Class 54 Rating, Add</i>	1,039.38	
			<i>For Class 55 Rating, Add</i>	2,310.20	
40 05 19 00-0499	EA		42" Flanged (FxF), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	17,783.86	2,326.27
			<i>For Class 52 Rating, Deduct</i>	-1,568.51	
			<i>For Class 54 Rating, Add</i>	1,069.44	
			<i>For Class 55 Rating, Add</i>	2,377.01	
40 05 19 00-0500	EA		42" Flanged (FxF), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	18,185.84	2,329.70
			<i>For Class 52 Rating, Deduct</i>	-1,612.16	
			<i>For Class 54 Rating, Add</i>	1,099.20	
			<i>For Class 55 Rating, Add</i>	2,443.16	
40 05 19 00-0501	EA		42" Flanged (FxF), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	18,592.63	2,333.11
			<i>For Class 52 Rating, Deduct</i>	-1,656.34	
			<i>For Class 54 Rating, Add</i>	1,129.32	
			<i>For Class 55 Rating, Add</i>	2,510.10	
40 05 19 00-0502	EA		42" Flanged (FxF), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	18,994.61	2,336.54
			<i>For Class 52 Rating, Deduct</i>	-1,699.98	
			<i>For Class 54 Rating, Add</i>	1,159.08	
			<i>For Class 55 Rating, Add</i>	2,576.25	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0503 EA 42" Flanged (FxF), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	19,399.80	2,339.96
<i>For Class 52 Rating, Deduct</i>	-1,743.98	
<i>For Class 54 Rating, Add</i>	1,189.08	
<i>For Class 55 Rating, Add</i>	2,642.93	
40 05 19 00-0504 EA 42" Flanged (FxF), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	19,802.58	2,343.38
<i>For Class 52 Rating, Deduct</i>	-1,787.72	
<i>For Class 54 Rating, Add</i>	1,218.90	
<i>For Class 55 Rating, Add</i>	2,709.21	
40 05 19 00-0505 EA 42" Flanged (FxF), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	20,124.56	2,346.80
<i>For Class 52 Rating, Deduct</i>	-1,822.57	
<i>For Class 54 Rating, Add</i>	1,242.66	
<i>For Class 55 Rating, Add</i>	2,762.02	
40 05 19 00-0506 EA 42" Flanged (FxF), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	20,610.54	2,350.23
<i>For Class 52 Rating, Deduct</i>	-1,875.46	
<i>For Class 54 Rating, Add</i>	1,278.72	
<i>For Class 55 Rating, Add</i>	2,842.17	
40 05 19 00-0507 EA 42" Flanged (FxF), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	21,012.52	2,353.64
<i>For Class 52 Rating, Deduct</i>	-1,919.10	
<i>For Class 54 Rating, Add</i>	1,308.48	
<i>For Class 55 Rating, Add</i>	2,908.31	
40 05 19 00-0508 EA 42" Flanged (FxF), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	21,418.51	2,357.07
<i>For Class 52 Rating, Deduct</i>	-1,963.19	
<i>For Class 54 Rating, Add</i>	1,338.54	
<i>For Class 55 Rating, Add</i>	2,975.13	
40 05 19 00-0509 EA 42" Flanged (FxF), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	21,820.49	2,360.49
<i>For Class 52 Rating, Deduct</i>	-2,006.84	
<i>For Class 54 Rating, Add</i>	1,368.30	
<i>For Class 55 Rating, Add</i>	3,041.27	
40 05 19 00-0510 EA 42" Flanged (FxF), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	22,227.27	2,363.90
<i>For Class 52 Rating, Deduct</i>	-2,051.02	
<i>For Class 54 Rating, Add</i>	1,398.42	
<i>For Class 55 Rating, Add</i>	3,108.22	
40 05 19 00-0511 EA 42" Flanged (FxF), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	22,628.46	2,367.33
<i>For Class 52 Rating, Deduct</i>	-2,094.58	
<i>For Class 54 Rating, Add</i>	1,428.12	
<i>For Class 55 Rating, Add</i>	3,174.23	
40 05 19 00-0512 EA 42" Flanged (FxF), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	23,035.24	2,370.74
<i>For Class 52 Rating, Deduct</i>	-2,138.75	
<i>For Class 54 Rating, Add</i>	1,458.24	
<i>For Class 55 Rating, Add</i>	3,241.18	
40 05 19 00-0513 EA 42" Flanged (FxF), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	23,437.23	2,374.17
<i>For Class 52 Rating, Deduct</i>	-2,182.40	
<i>For Class 54 Rating, Add</i>	1,488.00	
<i>For Class 55 Rating, Add</i>	3,307.33	
40 05 19 00-0514 EA 42" Flanged (FxF), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	23,843.21	2,377.59
<i>For Class 52 Rating, Deduct</i>	-2,226.49	
<i>For Class 54 Rating, Add</i>	1,518.06	
<i>For Class 55 Rating, Add</i>	3,374.14	
40 05 19 00-0515 48" Flanged End (FxF), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <small>(40 05 19 00-0002)</small>		
40 05 19 00-0516 EA 48" Flanged (FxF), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,160.21	2,829.16
<i>For Class 52 Rating, Deduct</i>	-756.10	
<i>For Class 54 Rating, Add</i>	515.52	
<i>For Class 55 Rating, Add</i>	1,145.83	
40 05 19 00-0517 EA 48" Flanged (FxF), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,750.19	2,832.58
<i>For Class 52 Rating, Deduct</i>	-820.42	
<i>For Class 54 Rating, Add</i>	559.38	
<i>For Class 55 Rating, Add</i>	1,243.32	
40 05 19 00-0518 EA 48" Flanged (FxF), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,339.37	2,836.00
<i>For Class 52 Rating, Deduct</i>	-884.66	
<i>For Class 54 Rating, Add</i>	603.18	
<i>For Class 55 Rating, Add</i>	1,340.67	
40 05 19 00-0519 EA 48" Flanged (FxF), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,933.36	2,839.42
<i>For Class 52 Rating, Deduct</i>	-949.43	
<i>For Class 54 Rating, Add</i>	647.34	
<i>For Class 55 Rating, Add</i>	1,438.82	
40 05 19 00-0520 EA 48" Flanged (FxF), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,523.34	2,842.85
<i>For Class 52 Rating, Deduct</i>	-1,013.76	
<i>For Class 54 Rating, Add</i>	691.20	
<i>For Class 55 Rating, Add</i>	1,536.31	
40 05 19 00-0521 EA 48" Flanged (FxF), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,113.33	2,846.26
<i>For Class 52 Rating, Deduct</i>	-1,078.09	
<i>For Class 54 Rating, Add</i>	735.06	
<i>For Class 55 Rating, Add</i>	1,633.79	
40 05 19 00-0522 EA 48" Flanged (FxF), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,706.51	2,849.69
<i>For Class 52 Rating, Deduct</i>	-1,142.77	
<i>For Class 54 Rating, Add</i>	779.16	
<i>For Class 55 Rating, Add</i>	1,731.81	
40 05 19 00-0523 EA 48" Flanged (FxF), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	15,297.29	2,853.11
<i>For Class 52 Rating, Deduct</i>	-1,207.18	
<i>For Class 54 Rating, Add</i>	823.08	
<i>For Class 55 Rating, Add</i>	1,829.43	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0524 EA 48" Flanged (FxF), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	15,886.48	2,856.53
For Class 52 Rating, Deduct	-1,271.42	
For Class 54 Rating, Add	866.88	
For Class 55 Rating, Add	1,926.79	
40 05 19 00-0525 EA 48" Flanged (FxF), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	16,480.45	2,859.95
For Class 52 Rating, Deduct	-1,336.19	
For Class 54 Rating, Add	911.04	
For Class 55 Rating, Add	2,024.94	
40 05 19 00-0526 EA 48" Flanged (FxF), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	17,070.44	2,863.37
For Class 52 Rating, Deduct	-1,400.52	
For Class 54 Rating, Add	954.90	
For Class 55 Rating, Add	2,122.42	
40 05 19 00-0527 EA 48" Flanged (FxF), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	17,664.42	2,866.79
For Class 52 Rating, Deduct	-1,465.29	
For Class 54 Rating, Add	999.06	
For Class 55 Rating, Add	2,220.58	
40 05 19 00-0528 EA 48" Flanged (FxF), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	18,253.61	2,870.22
For Class 52 Rating, Deduct	-1,529.53	
For Class 54 Rating, Add	1,042.86	
For Class 55 Rating, Add	2,317.93	
40 05 19 00-0529 EA 48" Flanged (FxF), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	18,843.59	2,873.63
For Class 52 Rating, Deduct	-1,593.86	
For Class 54 Rating, Add	1,086.72	
For Class 55 Rating, Add	2,415.42	
40 05 19 00-0530 EA 48" Flanged (FxF), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	19,437.57	2,877.05
For Class 52 Rating, Deduct	-1,658.62	
For Class 54 Rating, Add	1,130.88	
For Class 55 Rating, Add	2,513.57	
40 05 19 00-0531 EA 48" Flanged (FxF), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	20,027.56	2,880.48
For Class 52 Rating, Deduct	-1,722.95	
For Class 54 Rating, Add	1,174.74	
For Class 55 Rating, Add	2,611.06	
40 05 19 00-0532 EA 48" Flanged (FxF), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	20,616.74	2,883.89
For Class 52 Rating, Deduct	-1,787.19	
For Class 54 Rating, Add	1,218.54	
For Class 55 Rating, Add	2,708.41	
40 05 19 00-0533 EA 48" Flanged (FxF), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	21,210.73	2,887.32
For Class 52 Rating, Deduct	-1,851.96	
For Class 54 Rating, Add	1,262.70	
For Class 55 Rating, Add	2,806.56	
40 05 19 00-0534 EA 48" Flanged (FxF), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	21,800.71	2,890.74
For Class 52 Rating, Deduct	-1,916.29	
For Class 54 Rating, Add	1,306.56	
For Class 55 Rating, Add	2,904.05	
40 05 19 00-0535 EA 48" Flanged (FxF), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	22,389.89	2,894.16
For Class 52 Rating, Deduct	-1,980.53	
For Class 54 Rating, Add	1,350.36	
For Class 55 Rating, Add	3,001.40	
40 05 19 00-0536 EA 48" Flanged (FxF), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	22,983.88	2,897.58
For Class 52 Rating, Deduct	-2,045.30	
For Class 54 Rating, Add	1,394.52	
For Class 55 Rating, Add	3,099.55	
40 05 19 00-0537 EA 48" Flanged (FxF), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	23,574.65	2,901.00
For Class 52 Rating, Deduct	-2,109.71	
For Class 54 Rating, Add	1,438.44	
For Class 55 Rating, Add	3,197.17	
40 05 19 00-0538 EA 48" Flanged (FxF), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	24,163.84	2,904.42
For Class 52 Rating, Deduct	-2,173.95	
For Class 54 Rating, Add	1,482.24	
For Class 55 Rating, Add	3,294.53	
40 05 19 00-0539 EA 48" Flanged (FxF), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	24,757.82	2,907.85
For Class 52 Rating, Deduct	-2,238.72	
For Class 54 Rating, Add	1,526.40	
For Class 55 Rating, Add	3,392.68	
40 05 19 00-0540 EA 48" Flanged (FxF), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	25,347.81	2,911.26
For Class 52 Rating, Deduct	-2,303.05	
For Class 54 Rating, Add	1,570.26	
For Class 55 Rating, Add	3,490.16	
40 05 19 00-0541 EA 48" Flanged (FxF), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	25,936.99	2,914.69
For Class 52 Rating, Deduct	-2,367.29	
For Class 54 Rating, Add	1,614.06	
For Class 55 Rating, Add	3,587.52	
40 05 19 00-0542 EA 48" Flanged (FxF), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	26,530.97	2,918.11
For Class 52 Rating, Deduct	-2,432.06	
For Class 54 Rating, Add	1,658.22	
For Class 55 Rating, Add	3,685.67	
40 05 19 00-0543 EA 48" Flanged (FxF), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	27,120.96	2,921.53
For Class 52 Rating, Deduct	-2,496.38	
For Class 54 Rating, Add	1,702.08	
For Class 55 Rating, Add	3,783.16	
40 05 19 00-0544 EA 48" Flanged (FxF), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	27,638.94	2,924.95
For Class 52 Rating, Deduct	-2,552.79	
For Class 54 Rating, Add	1,740.54	
For Class 55 Rating, Add	3,868.64	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0545 EA 48" Flanged (FxF), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	28,304.93	2,928.37
<i>For Class 52 Rating, Deduct</i>	-2,625.48	
<i>For Class 54 Rating, Add</i>	1,790.10	
<i>For Class 55 Rating, Add</i>	3,978.80	
40 05 19 00-0546 EA 48" Flanged (FxF), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	28,894.11	2,931.79
<i>For Class 52 Rating, Deduct</i>	-2,689.72	
<i>For Class 54 Rating, Add</i>	1,833.90	
<i>For Class 55 Rating, Add</i>	4,076.15	
40 05 19 00-0547 EA 48" Flanged (FxF), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	29,488.89	2,935.21
<i>For Class 52 Rating, Deduct</i>	-2,754.58	
<i>For Class 54 Rating, Add</i>	1,878.12	
<i>For Class 55 Rating, Add</i>	4,174.43	
40 05 19 00-0548 EA 48" Flanged (FxF), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	30,078.08	2,938.63
<i>For Class 52 Rating, Deduct</i>	-2,818.82	
<i>For Class 54 Rating, Add</i>	1,921.92	
<i>For Class 55 Rating, Add</i>	4,271.79	
40 05 19 00-0549 EA 48" Flanged (FxF), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	30,667.25	2,942.05
<i>For Class 52 Rating, Deduct</i>	-2,883.06	
<i>For Class 54 Rating, Add</i>	1,965.72	
<i>For Class 55 Rating, Add</i>	4,369.14	
40 05 19 00-0550 EA 48" Flanged (FxF), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	31,262.04	2,945.48
<i>For Class 52 Rating, Deduct</i>	-2,947.91	
<i>For Class 54 Rating, Add</i>	2,009.94	
<i>For Class 55 Rating, Add</i>	4,467.43	
40 05 19 00-0551 EA 48" Flanged (FxF), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	31,851.22	2,948.89
<i>For Class 52 Rating, Deduct</i>	-3,012.15	
<i>For Class 54 Rating, Add</i>	2,053.74	
<i>For Class 55 Rating, Add</i>	4,564.78	
40 05 19 00-0552 EA 48" Flanged (FxF), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	32,441.20	2,952.32
<i>For Class 52 Rating, Deduct</i>	-3,076.48	
<i>For Class 54 Rating, Add</i>	2,097.60	
<i>For Class 55 Rating, Add</i>	4,662.27	
40 05 19 00-0553 EA 48" Flanged (FxF), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	33,035.19	2,955.74
<i>For Class 52 Rating, Deduct</i>	-3,141.25	
<i>For Class 54 Rating, Add</i>	2,141.76	
<i>For Class 55 Rating, Add</i>	4,760.42	
 40 05 19 00-0554 Flanged End x Grooved End (FxG), Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <small>(40 05 19 00-0001)</small>		
40 05 19 00-0555 4" Flanged End x Grooved End (FxG), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <small>(40 05 19 00-0554)</small>		
40 05 19 00-0556 EA 4" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	373.19	156.55
<i>For Class 52 Rating, Deduct</i>	-14.96	
<i>For Class 54 Rating, Add</i>	10.20	
<i>For Class 55 Rating, Add</i>	22.67	
40 05 19 00-0557 EA 4" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	398.14	159.29
<i>For Class 52 Rating, Deduct</i>	-17.25	
<i>For Class 54 Rating, Add</i>	11.76	
<i>For Class 55 Rating, Add</i>	26.14	
40 05 19 00-0558 EA 4" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	423.08	162.02
<i>For Class 52 Rating, Deduct</i>	-19.54	
<i>For Class 54 Rating, Add</i>	13.32	
<i>For Class 55 Rating, Add</i>	29.61	
40 05 19 00-0559 EA 4" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	448.03	164.76
<i>For Class 52 Rating, Deduct</i>	-21.82	
<i>For Class 54 Rating, Add</i>	14.88	
<i>For Class 55 Rating, Add</i>	33.07	
40 05 19 00-0560 EA 4" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	472.97	167.49
<i>For Class 52 Rating, Deduct</i>	-24.11	
<i>For Class 54 Rating, Add</i>	16.44	
<i>For Class 55 Rating, Add</i>	36.54	
40 05 19 00-0561 EA 4" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	497.93	170.23
<i>For Class 52 Rating, Deduct</i>	-26.40	
<i>For Class 54 Rating, Add</i>	18.00	
<i>For Class 55 Rating, Add</i>	40.01	
40 05 19 00-0562 EA 4" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	522.87	172.96
<i>For Class 52 Rating, Deduct</i>	-28.69	
<i>For Class 54 Rating, Add</i>	19.56	
<i>For Class 55 Rating, Add</i>	43.48	
40 05 19 00-0563 EA 4" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	547.82	175.70
<i>For Class 52 Rating, Deduct</i>	-30.98	
<i>For Class 54 Rating, Add</i>	21.12	
<i>For Class 55 Rating, Add</i>	46.94	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0564	EA		4" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	572.76	178.45
			<i>For Class 52 Rating, Deduct</i>	-33.26	
			<i>For Class 54 Rating, Add</i>	22.68	
			<i>For Class 55 Rating, Add</i>	50.41	
40 05 19 00-0565	EA		4" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	597.71	181.18
			<i>For Class 52 Rating, Deduct</i>	-35.55	
			<i>For Class 54 Rating, Add</i>	24.24	
			<i>For Class 55 Rating, Add</i>	53.88	
40 05 19 00-0566	EA		4" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	622.65	183.92
			<i>For Class 52 Rating, Deduct</i>	-37.84	
			<i>For Class 54 Rating, Add</i>	25.80	
			<i>For Class 55 Rating, Add</i>	57.34	
40 05 19 00-0567	EA		4" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	647.60	186.65
			<i>For Class 52 Rating, Deduct</i>	-40.13	
			<i>For Class 54 Rating, Add</i>	27.36	
			<i>For Class 55 Rating, Add</i>	60.81	
40 05 19 00-0568	EA		4" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	672.54	189.39
			<i>For Class 52 Rating, Deduct</i>	-42.42	
			<i>For Class 54 Rating, Add</i>	28.92	
			<i>For Class 55 Rating, Add</i>	64.28	
40 05 19 00-0569	EA		4" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	697.50	192.12
			<i>For Class 52 Rating, Deduct</i>	-44.70	
			<i>For Class 54 Rating, Add</i>	30.48	
			<i>For Class 55 Rating, Add</i>	67.75	
40 05 19 00-0570	EA		4" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	722.45	194.86
			<i>For Class 52 Rating, Deduct</i>	-46.99	
			<i>For Class 54 Rating, Add</i>	32.04	
			<i>For Class 55 Rating, Add</i>	71.21	
40 05 19 00-0571	EA		4" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	747.39	197.60
			<i>For Class 52 Rating, Deduct</i>	-49.28	
			<i>For Class 54 Rating, Add</i>	33.60	
			<i>For Class 55 Rating, Add</i>	74.68	
40 05 19 00-0572	EA		4" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	772.34	200.33
			<i>For Class 52 Rating, Deduct</i>	-51.57	
			<i>For Class 54 Rating, Add</i>	35.16	
			<i>For Class 55 Rating, Add</i>	78.15	
40 05 19 00-0573	EA		4" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	797.28	203.07
			<i>For Class 52 Rating, Deduct</i>	-53.86	
			<i>For Class 54 Rating, Add</i>	36.72	
			<i>For Class 55 Rating, Add</i>	81.62	
40 05 19 00-0574	EA		4" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	822.23	205.81
			<i>For Class 52 Rating, Deduct</i>	-56.14	
			<i>For Class 54 Rating, Add</i>	38.28	
			<i>For Class 55 Rating, Add</i>	85.08	
40 05 19 00-0575	EA		4" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	847.17	208.55
			<i>For Class 52 Rating, Deduct</i>	-58.43	
			<i>For Class 54 Rating, Add</i>	39.84	
			<i>For Class 55 Rating, Add</i>	88.55	
40 05 19 00-0576	EA		4" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	872.12	211.28
			<i>For Class 52 Rating, Deduct</i>	-60.72	
			<i>For Class 54 Rating, Add</i>	41.40	
			<i>For Class 55 Rating, Add</i>	92.02	
40 05 19 00-0577	EA		4" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	897.07	214.02
			<i>For Class 52 Rating, Deduct</i>	-63.01	
			<i>For Class 54 Rating, Add</i>	42.96	
			<i>For Class 55 Rating, Add</i>	95.49	
40 05 19 00-0578	EA		4" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	922.02	216.76
			<i>For Class 52 Rating, Deduct</i>	-65.30	
			<i>For Class 54 Rating, Add</i>	44.52	
			<i>For Class 55 Rating, Add</i>	98.95	
40 05 19 00-0579	EA		4" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	946.96	219.49
			<i>For Class 52 Rating, Deduct</i>	-67.58	
			<i>For Class 54 Rating, Add</i>	46.08	
			<i>For Class 55 Rating, Add</i>	102.42	
40 05 19 00-0580	EA		4" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	971.91	222.23
			<i>For Class 52 Rating, Deduct</i>	-69.87	
			<i>For Class 54 Rating, Add</i>	47.64	
			<i>For Class 55 Rating, Add</i>	105.89	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0581 EA 4" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	996.85	224.96
For Class 52 Rating, Deduct	-72.16	
For Class 54 Rating, Add	49.20	
For Class 55 Rating, Add	109.36	
40 05 19 00-0582 EA 4" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,021.80	227.70
For Class 52 Rating, Deduct	-74.45	
For Class 54 Rating, Add	50.76	
For Class 55 Rating, Add	112.82	
40 05 19 00-0583 EA 4" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,046.74	230.44
For Class 52 Rating, Deduct	-76.74	
For Class 54 Rating, Add	52.32	
For Class 55 Rating, Add	116.29	
40 05 19 00-0584 EA 4" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,071.70	233.18
For Class 52 Rating, Deduct	-79.02	
For Class 54 Rating, Add	53.88	
For Class 55 Rating, Add	119.76	
40 05 19 00-0585 EA 4" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,096.65	235.92
For Class 52 Rating, Deduct	-81.31	
For Class 54 Rating, Add	55.44	
For Class 55 Rating, Add	123.22	
40 05 19 00-0586 EA 4" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,121.59	238.65
For Class 52 Rating, Deduct	-83.60	
For Class 54 Rating, Add	57.00	
For Class 55 Rating, Add	126.69	
40 05 19 00-0587 EA 4" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,146.54	241.39
For Class 52 Rating, Deduct	-85.89	
For Class 54 Rating, Add	58.56	
For Class 55 Rating, Add	130.16	
40 05 19 00-0588 EA 4" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,171.48	244.12
For Class 52 Rating, Deduct	-88.18	
For Class 54 Rating, Add	60.12	
For Class 55 Rating, Add	133.63	
40 05 19 00-0589 EA 4" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,196.43	246.86
For Class 52 Rating, Deduct	-90.46	
For Class 54 Rating, Add	61.68	
For Class 55 Rating, Add	137.09	
40 05 19 00-0590 EA 4" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,221.37	249.60
For Class 52 Rating, Deduct	-92.75	
For Class 54 Rating, Add	63.24	
For Class 55 Rating, Add	140.56	
40 05 19 00-0591 EA 4" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,246.32	252.33
For Class 52 Rating, Deduct	-95.04	
For Class 54 Rating, Add	64.80	
For Class 55 Rating, Add	144.03	
40 05 19 00-0592 EA 4" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,271.27	255.07
For Class 52 Rating, Deduct	-97.33	
For Class 54 Rating, Add	66.36	
For Class 55 Rating, Add	147.50	
40 05 19 00-0593 EA 4" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,296.22	257.81
For Class 52 Rating, Deduct	-99.62	
For Class 54 Rating, Add	67.92	
For Class 55 Rating, Add	150.96	
40 05 19 00-0594 EA 4" Flanged x Grooved (FxG), 20'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,321.16	260.55
For Class 52 Rating, Deduct	-101.90	
For Class 54 Rating, Add	69.48	
For Class 55 Rating, Add	154.43	
40 05 19 00-0595 6" Flanged End x Grooved End (FxG), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		
<small>(40 05 19 00-0554)</small>		
40 05 19 00-0596 EA 6" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	467.36	197.05
For Class 52 Rating, Deduct	-18.57	
For Class 54 Rating, Add	12.66	
For Class 55 Rating, Add	28.14	
40 05 19 00-0597 EA 6" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	497.11	199.79
For Class 52 Rating, Deduct	-21.38	
For Class 54 Rating, Add	14.58	
For Class 55 Rating, Add	32.41	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0598	EA		6" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	526.86	202.52
			<i>For Class 52 Rating, Deduct</i>	-24.20	
			<i>For Class 54 Rating, Add</i>	16.50	
			<i>For Class 55 Rating, Add</i>	36.67	
40 05 19 00-0599	EA		6" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	556.60	205.26
			<i>For Class 52 Rating, Deduct</i>	-27.02	
			<i>For Class 54 Rating, Add</i>	18.42	
			<i>For Class 55 Rating, Add</i>	40.94	
40 05 19 00-0600	EA		6" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	586.35	208.00
			<i>For Class 52 Rating, Deduct</i>	-29.83	
			<i>For Class 54 Rating, Add</i>	20.34	
			<i>For Class 55 Rating, Add</i>	45.21	
40 05 19 00-0601	EA		6" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	616.09	210.73
			<i>For Class 52 Rating, Deduct</i>	-32.65	
			<i>For Class 54 Rating, Add</i>	22.26	
			<i>For Class 55 Rating, Add</i>	49.48	
40 05 19 00-0602	EA		6" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	645.84	213.47
			<i>For Class 52 Rating, Deduct</i>	-35.46	
			<i>For Class 54 Rating, Add</i>	24.18	
			<i>For Class 55 Rating, Add</i>	53.74	
40 05 19 00-0603	EA		6" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	675.58	216.20
			<i>For Class 52 Rating, Deduct</i>	-38.28	
			<i>For Class 54 Rating, Add</i>	26.10	
			<i>For Class 55 Rating, Add</i>	58.01	
40 05 19 00-0604	EA		6" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	705.33	218.94
			<i>For Class 52 Rating, Deduct</i>	-41.10	
			<i>For Class 54 Rating, Add</i>	28.02	
			<i>For Class 55 Rating, Add</i>	62.28	
40 05 19 00-0605	EA		6" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	735.08	221.68
			<i>For Class 52 Rating, Deduct</i>	-43.91	
			<i>For Class 54 Rating, Add</i>	29.94	
			<i>For Class 55 Rating, Add</i>	66.55	
40 05 19 00-0606	EA		6" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	764.83	224.42
			<i>For Class 52 Rating, Deduct</i>	-46.73	
			<i>For Class 54 Rating, Add</i>	31.86	
			<i>For Class 55 Rating, Add</i>	70.81	
40 05 19 00-0607	EA		6" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	794.57	227.16
			<i>For Class 52 Rating, Deduct</i>	-49.54	
			<i>For Class 54 Rating, Add</i>	33.78	
			<i>For Class 55 Rating, Add</i>	75.08	
40 05 19 00-0608	EA		6" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	824.32	229.89
			<i>For Class 52 Rating, Deduct</i>	-52.36	
			<i>For Class 54 Rating, Add</i>	35.70	
			<i>For Class 55 Rating, Add</i>	79.35	
40 05 19 00-0609	EA		6" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	854.06	232.63
			<i>For Class 52 Rating, Deduct</i>	-55.18	
			<i>For Class 54 Rating, Add</i>	37.62	
			<i>For Class 55 Rating, Add</i>	83.62	
40 05 19 00-0610	EA		6" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	883.81	235.36
			<i>For Class 52 Rating, Deduct</i>	-57.99	
			<i>For Class 54 Rating, Add</i>	39.54	
			<i>For Class 55 Rating, Add</i>	87.88	
40 05 19 00-0611	EA		6" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	913.56	238.10
			<i>For Class 52 Rating, Deduct</i>	-60.81	
			<i>For Class 54 Rating, Add</i>	41.46	
			<i>For Class 55 Rating, Add</i>	92.15	
40 05 19 00-0612	EA		6" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	943.30	240.83
			<i>For Class 52 Rating, Deduct</i>	-63.62	
			<i>For Class 54 Rating, Add</i>	43.38	
			<i>For Class 55 Rating, Add</i>	96.42	
40 05 19 00-0613	EA		6" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	973.06	243.57
			<i>For Class 52 Rating, Deduct</i>	-66.44	
			<i>For Class 54 Rating, Add</i>	45.30	
			<i>For Class 55 Rating, Add</i>	100.69	
40 05 19 00-0614	EA		6" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,002.80	246.32
			<i>For Class 52 Rating, Deduct</i>	-69.26	
			<i>For Class 54 Rating, Add</i>	47.22	
			<i>For Class 55 Rating, Add</i>	104.95	



Process Interconnections	40
Common Work Results For Process Interconnections	
Ductile Iron Process Pipe	40 05 19

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0615 EA 6" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,032.55	249.05
<i>For Class 52 Rating, Deduct</i>	-72.07	
<i>For Class 54 Rating, Add</i>	49.14	
<i>For Class 55 Rating, Add</i>	109.22	
40 05 19 00-0616 EA 6" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,062.29	251.79
<i>For Class 52 Rating, Deduct</i>	-74.89	
<i>For Class 54 Rating, Add</i>	51.06	
<i>For Class 55 Rating, Add</i>	113.49	
40 05 19 00-0617 EA 6" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,092.04	254.52
<i>For Class 52 Rating, Deduct</i>	-77.70	
<i>For Class 54 Rating, Add</i>	52.98	
<i>For Class 55 Rating, Add</i>	117.76	
40 05 19 00-0618 EA 6" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,121.78	257.26
<i>For Class 52 Rating, Deduct</i>	-80.52	
<i>For Class 54 Rating, Add</i>	54.90	
<i>For Class 55 Rating, Add</i>	122.02	
40 05 19 00-0619 EA 6" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,151.53	259.99
<i>For Class 52 Rating, Deduct</i>	-83.34	
<i>For Class 54 Rating, Add</i>	56.82	
<i>For Class 55 Rating, Add</i>	126.29	
40 05 19 00-0620 EA 6" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,181.28	262.73
<i>For Class 52 Rating, Deduct</i>	-86.15	
<i>For Class 54 Rating, Add</i>	58.74	
<i>For Class 55 Rating, Add</i>	130.56	
40 05 19 00-0621 EA 6" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,211.03	265.47
<i>For Class 52 Rating, Deduct</i>	-88.97	
<i>For Class 54 Rating, Add</i>	60.66	
<i>For Class 55 Rating, Add</i>	134.83	
40 05 19 00-0622 EA 6" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,240.77	268.20
<i>For Class 52 Rating, Deduct</i>	-91.78	
<i>For Class 54 Rating, Add</i>	62.58	
<i>For Class 55 Rating, Add</i>	139.09	
40 05 19 00-0623 EA 6" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,270.52	270.94
<i>For Class 52 Rating, Deduct</i>	-94.60	
<i>For Class 54 Rating, Add</i>	64.50	
<i>For Class 55 Rating, Add</i>	143.36	
40 05 19 00-0624 EA 6" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,300.27	273.68
<i>For Class 52 Rating, Deduct</i>	-97.42	
<i>For Class 54 Rating, Add</i>	66.42	
<i>For Class 55 Rating, Add</i>	147.63	
40 05 19 00-0625 EA 6" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,330.01	276.42
<i>For Class 52 Rating, Deduct</i>	-100.23	
<i>For Class 54 Rating, Add</i>	68.34	
<i>For Class 55 Rating, Add</i>	151.90	
40 05 19 00-0626 EA 6" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,359.76	279.15
<i>For Class 52 Rating, Deduct</i>	-103.05	
<i>For Class 54 Rating, Add</i>	70.26	
<i>For Class 55 Rating, Add</i>	156.16	
40 05 19 00-0627 EA 6" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,389.50	281.89
<i>For Class 52 Rating, Deduct</i>	-105.86	
<i>For Class 54 Rating, Add</i>	72.18	
<i>For Class 55 Rating, Add</i>	160.43	
40 05 19 00-0628 EA 6" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,419.26	284.63
<i>For Class 52 Rating, Deduct</i>	-108.68	
<i>For Class 54 Rating, Add</i>	74.10	
<i>For Class 55 Rating, Add</i>	164.70	
40 05 19 00-0629 EA 6" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,449.00	287.36
<i>For Class 52 Rating, Deduct</i>	-111.50	
<i>For Class 54 Rating, Add</i>	76.02	
<i>For Class 55 Rating, Add</i>	168.97	
40 05 19 00-0630 EA 6" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,478.75	290.10
<i>For Class 52 Rating, Deduct</i>	-114.31	
<i>For Class 54 Rating, Add</i>	77.94	
<i>For Class 55 Rating, Add</i>	173.23	
40 05 19 00-0631 EA 6" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,508.49	292.83
<i>For Class 52 Rating, Deduct</i>	-117.13	
<i>For Class 54 Rating, Add</i>	79.86	
<i>For Class 55 Rating, Add</i>	177.50	

40 Process Interconnections

40 05 Common Work Results For Process Interconnections

40 05 19 Ductile Iron Process Pipe



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0632	EA		6" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,538.24	295.57
			<i>For Class 52 Rating, Deduct</i>	-119.94	
			<i>For Class 54 Rating, Add</i>	81.78	
			<i>For Class 55 Rating, Add</i>	181.77	
40 05 19 00-0633	EA		6" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,567.98	298.31
			<i>For Class 52 Rating, Deduct</i>	-122.76	
			<i>For Class 54 Rating, Add</i>	83.70	
			<i>For Class 55 Rating, Add</i>	186.04	
40 05 19 00-0634	EA		6" Flanged x Grooved (FxG), 20'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,597.73	301.05
			<i>For Class 52 Rating, Deduct</i>	-125.58	
			<i>For Class 54 Rating, Add</i>	85.62	
			<i>For Class 55 Rating, Add</i>	190.30	
40 05 19 00-0635			8" Flanged End x Grooved End (FxG), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		
			<small>(40 05 19 00-0554)</small>		
40 05 19 00-0636	EA		8" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	627.89	251.79
			<i>For Class 52 Rating, Deduct</i>	-27.10	
			<i>For Class 54 Rating, Add</i>	18.48	
			<i>For Class 55 Rating, Add</i>	41.07	
40 05 19 00-0637	EA		8" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	667.24	254.52
			<i>For Class 52 Rating, Deduct</i>	-30.98	
			<i>For Class 54 Rating, Add</i>	21.12	
			<i>For Class 55 Rating, Add</i>	46.94	
40 05 19 00-0638	EA		8" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	706.58	257.26
			<i>For Class 52 Rating, Deduct</i>	-34.85	
			<i>For Class 54 Rating, Add</i>	23.76	
			<i>For Class 55 Rating, Add</i>	52.81	
40 05 19 00-0639	EA		8" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	745.93	259.99
			<i>For Class 52 Rating, Deduct</i>	-38.72	
			<i>For Class 54 Rating, Add</i>	26.40	
			<i>For Class 55 Rating, Add</i>	58.68	
40 05 19 00-0640	EA		8" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	785.28	262.73
			<i>For Class 52 Rating, Deduct</i>	-42.59	
			<i>For Class 54 Rating, Add</i>	29.04	
			<i>For Class 55 Rating, Add</i>	64.55	
40 05 19 00-0641	EA		8" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	824.63	265.47
			<i>For Class 52 Rating, Deduct</i>	-46.46	
			<i>For Class 54 Rating, Add</i>	31.68	
			<i>For Class 55 Rating, Add</i>	70.41	
40 05 19 00-0642	EA		8" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	863.97	268.20
			<i>For Class 52 Rating, Deduct</i>	-50.34	
			<i>For Class 54 Rating, Add</i>	34.32	
			<i>For Class 55 Rating, Add</i>	76.28	
40 05 19 00-0643	EA		8" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	903.32	270.94
			<i>For Class 52 Rating, Deduct</i>	-54.21	
			<i>For Class 54 Rating, Add</i>	36.96	
			<i>For Class 55 Rating, Add</i>	82.15	
40 05 19 00-0644	EA		8" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	942.67	273.68
			<i>For Class 52 Rating, Deduct</i>	-58.08	
			<i>For Class 54 Rating, Add</i>	39.60	
			<i>For Class 55 Rating, Add</i>	88.02	
40 05 19 00-0645	EA		8" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	982.01	276.42
			<i>For Class 52 Rating, Deduct</i>	-61.95	
			<i>For Class 54 Rating, Add</i>	42.24	
			<i>For Class 55 Rating, Add</i>	93.89	
40 05 19 00-0646	EA		8" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,021.36	279.15
			<i>For Class 52 Rating, Deduct</i>	-65.82	
			<i>For Class 54 Rating, Add</i>	44.88	
			<i>For Class 55 Rating, Add</i>	99.75	
40 05 19 00-0647	EA		8" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,060.70	281.89
			<i>For Class 52 Rating, Deduct</i>	-69.70	
			<i>For Class 54 Rating, Add</i>	47.52	
			<i>For Class 55 Rating, Add</i>	105.62	
40 05 19 00-0648	EA		8" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,100.06	284.63
			<i>For Class 52 Rating, Deduct</i>	-73.57	
			<i>For Class 54 Rating, Add</i>	50.16	
			<i>For Class 55 Rating, Add</i>	111.49	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0649 EA 8" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,139.40	287.36
<i>For Class 52 Rating, Deduct</i>	-77.44	
<i>For Class 54 Rating, Add</i>	52.80	
<i>For Class 55 Rating, Add</i>	117.36	
40 05 19 00-0650 EA 8" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,178.75	290.10
<i>For Class 52 Rating, Deduct</i>	-81.31	
<i>For Class 54 Rating, Add</i>	55.44	
<i>For Class 55 Rating, Add</i>	123.22	
40 05 19 00-0651 EA 8" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,218.09	292.83
<i>For Class 52 Rating, Deduct</i>	-85.18	
<i>For Class 54 Rating, Add</i>	58.08	
<i>For Class 55 Rating, Add</i>	129.09	
40 05 19 00-0652 EA 8" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,257.44	295.57
<i>For Class 52 Rating, Deduct</i>	-89.06	
<i>For Class 54 Rating, Add</i>	60.72	
<i>For Class 55 Rating, Add</i>	134.96	
40 05 19 00-0653 EA 8" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,296.78	298.31
<i>For Class 52 Rating, Deduct</i>	-92.93	
<i>For Class 54 Rating, Add</i>	63.36	
<i>For Class 55 Rating, Add</i>	140.83	
40 05 19 00-0654 EA 8" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,336.13	301.05
<i>For Class 52 Rating, Deduct</i>	-96.80	
<i>For Class 54 Rating, Add</i>	66.00	
<i>For Class 55 Rating, Add</i>	146.70	
40 05 19 00-0655 EA 8" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,375.47	303.79
<i>For Class 52 Rating, Deduct</i>	-100.67	
<i>For Class 54 Rating, Add</i>	68.64	
<i>For Class 55 Rating, Add</i>	152.56	
40 05 19 00-0656 EA 8" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,414.83	306.52
<i>For Class 52 Rating, Deduct</i>	-104.54	
<i>For Class 54 Rating, Add</i>	71.28	
<i>For Class 55 Rating, Add</i>	158.43	
40 05 19 00-0657 EA 8" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,454.17	309.26
<i>For Class 52 Rating, Deduct</i>	-108.42	
<i>For Class 54 Rating, Add</i>	73.92	
<i>For Class 55 Rating, Add</i>	164.30	
40 05 19 00-0658 EA 8" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,493.52	311.99
<i>For Class 52 Rating, Deduct</i>	-112.29	
<i>For Class 54 Rating, Add</i>	76.56	
<i>For Class 55 Rating, Add</i>	170.17	
40 05 19 00-0659 EA 8" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,532.87	314.73
<i>For Class 52 Rating, Deduct</i>	-116.16	
<i>For Class 54 Rating, Add</i>	79.20	
<i>For Class 55 Rating, Add</i>	176.04	
40 05 19 00-0660 EA 8" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,572.21	317.47
<i>For Class 52 Rating, Deduct</i>	-120.03	
<i>For Class 54 Rating, Add</i>	81.84	
<i>For Class 55 Rating, Add</i>	181.90	
40 05 19 00-0661 EA 8" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,611.56	320.20
<i>For Class 52 Rating, Deduct</i>	-123.90	
<i>For Class 54 Rating, Add</i>	84.48	
<i>For Class 55 Rating, Add</i>	187.77	
40 05 19 00-0662 EA 8" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,650.90	322.95
<i>For Class 52 Rating, Deduct</i>	-127.78	
<i>For Class 54 Rating, Add</i>	87.12	
<i>For Class 55 Rating, Add</i>	193.64	
40 05 19 00-0663 EA 8" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,690.26	325.68
<i>For Class 52 Rating, Deduct</i>	-131.65	
<i>For Class 54 Rating, Add</i>	89.76	
<i>For Class 55 Rating, Add</i>	199.51	
40 05 19 00-0664 EA 8" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,729.60	328.42
<i>For Class 52 Rating, Deduct</i>	-135.52	
<i>For Class 54 Rating, Add</i>	92.40	
<i>For Class 55 Rating, Add</i>	205.37	
40 05 19 00-0665 EA 8" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,768.95	331.15
<i>For Class 52 Rating, Deduct</i>	-139.39	
<i>For Class 54 Rating, Add</i>	95.04	
<i>For Class 55 Rating, Add</i>	211.24	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0666	EA		8" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,808.29	333.89
			<i>For Class 52 Rating, Deduct</i>	-143.26	
			<i>For Class 54 Rating, Add</i>	97.68	
			<i>For Class 55 Rating, Add</i>	217.11	
40 05 19 00-0667	EA		8" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,847.64	336.63
			<i>For Class 52 Rating, Deduct</i>	-147.14	
			<i>For Class 54 Rating, Add</i>	100.32	
			<i>For Class 55 Rating, Add</i>	222.98	
40 05 19 00-0668	EA		8" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,886.98	339.36
			<i>For Class 52 Rating, Deduct</i>	-151.01	
			<i>For Class 54 Rating, Add</i>	102.96	
			<i>For Class 55 Rating, Add</i>	228.85	
40 05 19 00-0669	EA		8" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,926.33	342.10
			<i>For Class 52 Rating, Deduct</i>	-154.88	
			<i>For Class 54 Rating, Add</i>	105.60	
			<i>For Class 55 Rating, Add</i>	234.71	
40 05 19 00-0670	EA		8" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,965.67	344.83
			<i>For Class 52 Rating, Deduct</i>	-158.75	
			<i>For Class 54 Rating, Add</i>	108.24	
			<i>For Class 55 Rating, Add</i>	240.58	
40 05 19 00-0671	EA		8" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,005.03	347.57
			<i>For Class 52 Rating, Deduct</i>	-162.62	
			<i>For Class 54 Rating, Add</i>	110.88	
			<i>For Class 55 Rating, Add</i>	246.45	
40 05 19 00-0672	EA		8" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,044.38	350.31
			<i>For Class 52 Rating, Deduct</i>	-166.50	
			<i>For Class 54 Rating, Add</i>	113.52	
			<i>For Class 55 Rating, Add</i>	252.32	
40 05 19 00-0673	EA		8" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,083.72	353.05
			<i>For Class 52 Rating, Deduct</i>	-170.37	
			<i>For Class 54 Rating, Add</i>	116.16	
			<i>For Class 55 Rating, Add</i>	258.18	
40 05 19 00-0674	EA		8" Flanged x Grooved (FxG), 20'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,123.07	355.79
			<i>For Class 52 Rating, Deduct</i>	-174.24	
			<i>For Class 54 Rating, Add</i>	118.80	
			<i>For Class 55 Rating, Add</i>	264.05	
40 05 19 00-0675			10" Flanged End x Grooved End (FxG), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <small>(40 05 19 00-0554)</small>		
40 05 19 00-0676	EA		10" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	779.63	306.52
			<i>For Class 52 Rating, Deduct</i>	-34.67	
			<i>For Class 54 Rating, Add</i>	23.64	
			<i>For Class 55 Rating, Add</i>	52.54	
40 05 19 00-0677	EA		10" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	830.17	309.26
			<i>For Class 52 Rating, Deduct</i>	-39.78	
			<i>For Class 54 Rating, Add</i>	27.12	
			<i>For Class 55 Rating, Add</i>	60.28	
40 05 19 00-0678	EA		10" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	880.72	311.99
			<i>For Class 52 Rating, Deduct</i>	-44.88	
			<i>For Class 54 Rating, Add</i>	30.60	
			<i>For Class 55 Rating, Add</i>	68.01	
40 05 19 00-0679	EA		10" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	931.27	314.73
			<i>For Class 52 Rating, Deduct</i>	-49.98	
			<i>For Class 54 Rating, Add</i>	34.08	
			<i>For Class 55 Rating, Add</i>	75.75	
40 05 19 00-0680	EA		10" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	981.81	317.47
			<i>For Class 52 Rating, Deduct</i>	-55.09	
			<i>For Class 54 Rating, Add</i>	37.56	
			<i>For Class 55 Rating, Add</i>	83.48	
40 05 19 00-0681	EA		10" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,032.36	320.20
			<i>For Class 52 Rating, Deduct</i>	-60.19	
			<i>For Class 54 Rating, Add</i>	41.04	
			<i>For Class 55 Rating, Add</i>	91.22	
40 05 19 00-0682	EA		10" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,082.90	322.95
			<i>For Class 52 Rating, Deduct</i>	-65.30	
			<i>For Class 54 Rating, Add</i>	44.52	
			<i>For Class 55 Rating, Add</i>	98.95	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0683 EA 10" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,133.46	325.68
<i>For Class 52 Rating, Deduct</i>	-70.40	
<i>For Class 54 Rating, Add</i>	48.00	
<i>For Class 55 Rating, Add</i>	106.69	
40 05 19 00-0684 EA 10" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,184.00	328.42
<i>For Class 52 Rating, Deduct</i>	-75.50	
<i>For Class 54 Rating, Add</i>	51.48	
<i>For Class 55 Rating, Add</i>	114.42	
40 05 19 00-0685 EA 10" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,234.55	331.15
<i>For Class 52 Rating, Deduct</i>	-80.61	
<i>For Class 54 Rating, Add</i>	54.96	
<i>For Class 55 Rating, Add</i>	122.16	
40 05 19 00-0686 EA 10" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,285.09	333.89
<i>For Class 52 Rating, Deduct</i>	-85.71	
<i>For Class 54 Rating, Add</i>	58.44	
<i>For Class 55 Rating, Add</i>	129.89	
40 05 19 00-0687 EA 10" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,335.64	336.63
<i>For Class 52 Rating, Deduct</i>	-90.82	
<i>For Class 54 Rating, Add</i>	61.92	
<i>For Class 55 Rating, Add</i>	137.63	
40 05 19 00-0688 EA 10" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,386.18	339.36
<i>For Class 52 Rating, Deduct</i>	-95.92	
<i>For Class 54 Rating, Add</i>	65.40	
<i>For Class 55 Rating, Add</i>	145.36	
40 05 19 00-0689 EA 10" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,436.73	342.10
<i>For Class 52 Rating, Deduct</i>	-101.02	
<i>For Class 54 Rating, Add</i>	68.88	
<i>For Class 55 Rating, Add</i>	153.10	
40 05 19 00-0690 EA 10" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,487.27	344.83
<i>For Class 52 Rating, Deduct</i>	-106.13	
<i>For Class 54 Rating, Add</i>	72.36	
<i>For Class 55 Rating, Add</i>	160.83	
40 05 19 00-0691 EA 10" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,537.83	347.57
<i>For Class 52 Rating, Deduct</i>	-111.23	
<i>For Class 54 Rating, Add</i>	75.84	
<i>For Class 55 Rating, Add</i>	168.57	
40 05 19 00-0692 EA 10" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,588.38	350.31
<i>For Class 52 Rating, Deduct</i>	-116.34	
<i>For Class 54 Rating, Add</i>	79.32	
<i>For Class 55 Rating, Add</i>	176.30	
40 05 19 00-0693 EA 10" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,638.92	353.05
<i>For Class 52 Rating, Deduct</i>	-121.44	
<i>For Class 54 Rating, Add</i>	82.80	
<i>For Class 55 Rating, Add</i>	184.04	
40 05 19 00-0694 EA 10" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,689.47	355.79
<i>For Class 52 Rating, Deduct</i>	-126.54	
<i>For Class 54 Rating, Add</i>	86.28	
<i>For Class 55 Rating, Add</i>	191.77	
40 05 19 00-0695 EA 10" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,740.01	358.52
<i>For Class 52 Rating, Deduct</i>	-131.65	
<i>For Class 54 Rating, Add</i>	89.76	
<i>For Class 55 Rating, Add</i>	199.51	
40 05 19 00-0696 EA 10" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,790.56	361.26
<i>For Class 52 Rating, Deduct</i>	-136.75	
<i>For Class 54 Rating, Add</i>	93.24	
<i>For Class 55 Rating, Add</i>	207.24	
40 05 19 00-0697 EA 10" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,841.10	363.99
<i>For Class 52 Rating, Deduct</i>	-141.86	
<i>For Class 54 Rating, Add</i>	96.72	
<i>For Class 55 Rating, Add</i>	214.98	
40 05 19 00-0698 EA 10" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,891.65	366.73
<i>For Class 52 Rating, Deduct</i>	-146.96	
<i>For Class 54 Rating, Add</i>	100.20	
<i>For Class 55 Rating, Add</i>	222.71	
40 05 19 00-0699 EA 10" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,942.20	369.46
<i>For Class 52 Rating, Deduct</i>	-152.06	
<i>For Class 54 Rating, Add</i>	103.68	
<i>For Class 55 Rating, Add</i>	230.45	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0700	EA		10" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,992.75	372.20
			<i>For Class 52 Rating, Deduct</i>	-157.17	
			<i>For Class 54 Rating, Add</i>	107.16	
			<i>For Class 55 Rating, Add</i>	238.18	
40 05 19 00-0701	EA		10" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,043.29	374.95
			<i>For Class 52 Rating, Deduct</i>	-162.27	
			<i>For Class 54 Rating, Add</i>	110.64	
			<i>For Class 55 Rating, Add</i>	245.92	
40 05 19 00-0702	EA		10" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,093.84	377.68
			<i>For Class 52 Rating, Deduct</i>	-167.38	
			<i>For Class 54 Rating, Add</i>	114.12	
			<i>For Class 55 Rating, Add</i>	253.65	
40 05 19 00-0703	EA		10" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,144.38	380.42
			<i>For Class 52 Rating, Deduct</i>	-172.48	
			<i>For Class 54 Rating, Add</i>	117.60	
			<i>For Class 55 Rating, Add</i>	261.39	
40 05 19 00-0704	EA		10" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,194.93	383.15
			<i>For Class 52 Rating, Deduct</i>	-177.58	
			<i>For Class 54 Rating, Add</i>	121.08	
			<i>For Class 55 Rating, Add</i>	269.12	
40 05 19 00-0705	EA		10" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,245.47	385.89
			<i>For Class 52 Rating, Deduct</i>	-182.69	
			<i>For Class 54 Rating, Add</i>	124.56	
			<i>For Class 55 Rating, Add</i>	276.86	
40 05 19 00-0706	EA		10" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,296.03	388.62
			<i>For Class 52 Rating, Deduct</i>	-187.79	
			<i>For Class 54 Rating, Add</i>	128.04	
			<i>For Class 55 Rating, Add</i>	284.59	
40 05 19 00-0707	EA		10" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,346.58	391.36
			<i>For Class 52 Rating, Deduct</i>	-192.90	
			<i>For Class 54 Rating, Add</i>	131.52	
			<i>For Class 55 Rating, Add</i>	292.33	
40 05 19 00-0708	EA		10" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,397.12	394.10
			<i>For Class 52 Rating, Deduct</i>	-198.00	
			<i>For Class 54 Rating, Add</i>	135.00	
			<i>For Class 55 Rating, Add</i>	300.06	
40 05 19 00-0709	EA		10" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,447.67	396.83
			<i>For Class 52 Rating, Deduct</i>	-203.10	
			<i>For Class 54 Rating, Add</i>	138.48	
			<i>For Class 55 Rating, Add</i>	307.79	
40 05 19 00-0710	EA		10" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,498.21	399.57
			<i>For Class 52 Rating, Deduct</i>	-208.21	
			<i>For Class 54 Rating, Add</i>	141.96	
			<i>For Class 55 Rating, Add</i>	315.53	
40 05 19 00-0711	EA		10" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,548.76	402.31
			<i>For Class 52 Rating, Deduct</i>	-213.31	
			<i>For Class 54 Rating, Add</i>	145.44	
			<i>For Class 55 Rating, Add</i>	323.26	
40 05 19 00-0712	EA		10" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,599.30	405.05
			<i>For Class 52 Rating, Deduct</i>	-218.42	
			<i>For Class 54 Rating, Add</i>	148.92	
			<i>For Class 55 Rating, Add</i>	331.00	
40 05 19 00-0713	EA		10" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,649.85	407.78
			<i>For Class 52 Rating, Deduct</i>	-223.52	
			<i>For Class 54 Rating, Add</i>	152.40	
			<i>For Class 55 Rating, Add</i>	338.73	
40 05 19 00-0714	EA		10" Flanged x Grooved (FxG), 20'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,700.40	410.52
			<i>For Class 52 Rating, Deduct</i>	-228.62	
			<i>For Class 54 Rating, Add</i>	155.88	
			<i>For Class 55 Rating, Add</i>	346.47	
40 05 19 00-0715			12" Flanged End x Grooved End (FxG), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		
			<small>(40 05 19 00-0554)</small>		
40 05 19 00-0716	EA		12" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	998.13	383.15
			<i>For Class 52 Rating, Deduct</i>	-45.94	
			<i>For Class 54 Rating, Add</i>	31.32	
			<i>For Class 55 Rating, Add</i>	69.61	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0717 EA 12" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,060.67	385.89
<i>For Class 52 Rating, Deduct</i>	-52.36	
<i>For Class 54 Rating, Add</i>	35.70	
<i>For Class 55 Rating, Add</i>	79.35	
40 05 19 00-0718 EA 12" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,123.23	388.62
<i>For Class 52 Rating, Deduct</i>	-58.78	
<i>For Class 54 Rating, Add</i>	40.08	
<i>For Class 55 Rating, Add</i>	89.08	
40 05 19 00-0719 EA 12" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,185.78	391.36
<i>For Class 52 Rating, Deduct</i>	-65.21	
<i>For Class 54 Rating, Add</i>	44.46	
<i>For Class 55 Rating, Add</i>	98.82	
40 05 19 00-0720 EA 12" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,248.32	394.10
<i>For Class 52 Rating, Deduct</i>	-71.63	
<i>For Class 54 Rating, Add</i>	48.84	
<i>For Class 55 Rating, Add</i>	108.56	
40 05 19 00-0721 EA 12" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,310.87	396.83
<i>For Class 52 Rating, Deduct</i>	-78.06	
<i>For Class 54 Rating, Add</i>	53.22	
<i>For Class 55 Rating, Add</i>	118.29	
40 05 19 00-0722 EA 12" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,373.41	399.57
<i>For Class 52 Rating, Deduct</i>	-84.48	
<i>For Class 54 Rating, Add</i>	57.60	
<i>For Class 55 Rating, Add</i>	128.03	
40 05 19 00-0723 EA 12" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,435.96	402.31
<i>For Class 52 Rating, Deduct</i>	-90.90	
<i>For Class 54 Rating, Add</i>	61.98	
<i>For Class 55 Rating, Add</i>	137.76	
40 05 19 00-0724 EA 12" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,498.50	405.05
<i>For Class 52 Rating, Deduct</i>	-97.33	
<i>For Class 54 Rating, Add</i>	66.36	
<i>For Class 55 Rating, Add</i>	147.50	
40 05 19 00-0725 EA 12" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,561.05	407.78
<i>For Class 52 Rating, Deduct</i>	-103.75	
<i>For Class 54 Rating, Add</i>	70.74	
<i>For Class 55 Rating, Add</i>	157.23	
40 05 19 00-0726 EA 12" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,623.60	410.52
<i>For Class 52 Rating, Deduct</i>	-110.18	
<i>For Class 54 Rating, Add</i>	75.12	
<i>For Class 55 Rating, Add</i>	166.97	
40 05 19 00-0727 EA 12" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,686.15	413.26
<i>For Class 52 Rating, Deduct</i>	-116.60	
<i>For Class 54 Rating, Add</i>	79.50	
<i>For Class 55 Rating, Add</i>	176.70	
40 05 19 00-0728 EA 12" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,748.69	415.99
<i>For Class 52 Rating, Deduct</i>	-123.02	
<i>For Class 54 Rating, Add</i>	83.88	
<i>For Class 55 Rating, Add</i>	186.44	
40 05 19 00-0729 EA 12" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,811.24	418.73
<i>For Class 52 Rating, Deduct</i>	-129.45	
<i>For Class 54 Rating, Add</i>	88.26	
<i>For Class 55 Rating, Add</i>	196.17	
40 05 19 00-0730 EA 12" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,873.78	421.46
<i>For Class 52 Rating, Deduct</i>	-135.87	
<i>For Class 54 Rating, Add</i>	92.64	
<i>For Class 55 Rating, Add</i>	205.91	
40 05 19 00-0731 EA 12" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,936.33	424.20
<i>For Class 52 Rating, Deduct</i>	-142.30	
<i>For Class 54 Rating, Add</i>	97.02	
<i>For Class 55 Rating, Add</i>	215.64	
40 05 19 00-0732 EA 12" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,998.88	426.94
<i>For Class 52 Rating, Deduct</i>	-148.72	
<i>For Class 54 Rating, Add</i>	101.40	
<i>For Class 55 Rating, Add</i>	225.38	
40 05 19 00-0733 EA 12" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,061.42	429.68
<i>For Class 52 Rating, Deduct</i>	-155.14	
<i>For Class 54 Rating, Add</i>	105.78	
<i>For Class 55 Rating, Add</i>	235.11	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0734	EA		12" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,123.98	432.42
			<i>For Class 52 Rating, Deduct</i>	-161.57	
			<i>For Class 54 Rating, Add</i>	110.16	
			<i>For Class 55 Rating, Add</i>	244.85	
40 05 19 00-0735	EA		12" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,186.52	435.15
			<i>For Class 52 Rating, Deduct</i>	-167.99	
			<i>For Class 54 Rating, Add</i>	114.54	
			<i>For Class 55 Rating, Add</i>	254.58	
40 05 19 00-0736	EA		12" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,249.07	437.89
			<i>For Class 52 Rating, Deduct</i>	-174.42	
			<i>For Class 54 Rating, Add</i>	118.92	
			<i>For Class 55 Rating, Add</i>	264.32	
40 05 19 00-0737	EA		12" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,311.61	440.62
			<i>For Class 52 Rating, Deduct</i>	-180.84	
			<i>For Class 54 Rating, Add</i>	123.30	
			<i>For Class 55 Rating, Add</i>	274.05	
40 05 19 00-0738	EA		12" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,374.16	443.36
			<i>For Class 52 Rating, Deduct</i>	-187.26	
			<i>For Class 54 Rating, Add</i>	127.68	
			<i>For Class 55 Rating, Add</i>	283.79	
40 05 19 00-0739	EA		12" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,436.70	446.09
			<i>For Class 52 Rating, Deduct</i>	-193.69	
			<i>For Class 54 Rating, Add</i>	132.06	
			<i>For Class 55 Rating, Add</i>	293.53	
40 05 19 00-0740	EA		12" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,499.25	448.83
			<i>For Class 52 Rating, Deduct</i>	-200.11	
			<i>For Class 54 Rating, Add</i>	136.44	
			<i>For Class 55 Rating, Add</i>	303.26	
40 05 19 00-0741	EA		12" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,561.80	451.58
			<i>For Class 52 Rating, Deduct</i>	-206.54	
			<i>For Class 54 Rating, Add</i>	140.82	
			<i>For Class 55 Rating, Add</i>	313.00	
40 05 19 00-0742	EA		12" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,624.35	454.31
			<i>For Class 52 Rating, Deduct</i>	-212.96	
			<i>For Class 54 Rating, Add</i>	145.20	
			<i>For Class 55 Rating, Add</i>	322.73	
40 05 19 00-0743	EA		12" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,686.89	457.05
			<i>For Class 52 Rating, Deduct</i>	-219.38	
			<i>For Class 54 Rating, Add</i>	149.58	
			<i>For Class 55 Rating, Add</i>	332.47	
40 05 19 00-0744	EA		12" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,749.44	459.78
			<i>For Class 52 Rating, Deduct</i>	-225.81	
			<i>For Class 54 Rating, Add</i>	153.96	
			<i>For Class 55 Rating, Add</i>	342.20	
40 05 19 00-0745	EA		12" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,811.98	462.52
			<i>For Class 52 Rating, Deduct</i>	-232.23	
			<i>For Class 54 Rating, Add</i>	158.34	
			<i>For Class 55 Rating, Add</i>	351.94	
40 05 19 00-0746	EA		12" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,874.53	465.25
			<i>For Class 52 Rating, Deduct</i>	-238.66	
			<i>For Class 54 Rating, Add</i>	162.72	
			<i>For Class 55 Rating, Add</i>	361.67	
40 05 19 00-0747	EA		12" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,937.08	467.99
			<i>For Class 52 Rating, Deduct</i>	-245.08	
			<i>For Class 54 Rating, Add</i>	167.10	
			<i>For Class 55 Rating, Add</i>	371.41	
40 05 19 00-0748	EA		12" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,999.62	470.73
			<i>For Class 52 Rating, Deduct</i>	-251.50	
			<i>For Class 54 Rating, Add</i>	171.48	
			<i>For Class 55 Rating, Add</i>	381.14	
40 05 19 00-0749	EA		12" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,062.18	473.46
			<i>For Class 52 Rating, Deduct</i>	-257.93	
			<i>For Class 54 Rating, Add</i>	175.86	
			<i>For Class 55 Rating, Add</i>	390.88	
40 05 19 00-0750	EA		12" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,124.72	476.20
			<i>For Class 52 Rating, Deduct</i>	-264.35	
			<i>For Class 54 Rating, Add</i>	180.24	
			<i>For Class 55 Rating, Add</i>	400.61	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0751 EA 12" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,187.27	478.94
For Class 52 Rating, Deduct	-270.78	
For Class 54 Rating, Add	184.62	
For Class 55 Rating, Add	410.35	
40 05 19 00-0752 EA 12" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,249.81	481.68
For Class 52 Rating, Deduct	-277.20	
For Class 54 Rating, Add	189.00	
For Class 55 Rating, Add	420.08	
40 05 19 00-0753 EA 12" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,312.36	484.41
For Class 52 Rating, Deduct	-283.62	
For Class 54 Rating, Add	193.38	
For Class 55 Rating, Add	429.82	
40 05 19 00-0754 EA 12" Flanged x Grooved (FxG), 20'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,374.90	487.15
For Class 52 Rating, Deduct	-290.05	
For Class 54 Rating, Add	197.76	
For Class 55 Rating, Add	439.55	
40 05 19 00-0755 14" Flanged End x Grooved End (FxG), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		
<small>(40 05 19 00-0554)</small>		
40 05 19 00-0756 EA 14" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,320.64	459.78
For Class 52 Rating, Deduct	-68.64	
For Class 54 Rating, Add	46.80	
For Class 55 Rating, Add	104.02	
40 05 19 00-0757 EA 14" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,395.98	462.52
For Class 52 Rating, Deduct	-76.47	
For Class 54 Rating, Add	52.14	
For Class 55 Rating, Add	115.89	
40 05 19 00-0758 EA 14" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,471.33	465.25
For Class 52 Rating, Deduct	-84.30	
For Class 54 Rating, Add	57.48	
For Class 55 Rating, Add	127.76	
40 05 19 00-0759 EA 14" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,546.68	467.99
For Class 52 Rating, Deduct	-92.14	
For Class 54 Rating, Add	62.82	
For Class 55 Rating, Add	139.63	
40 05 19 00-0760 EA 14" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,622.02	470.73
For Class 52 Rating, Deduct	-99.97	
For Class 54 Rating, Add	68.16	
For Class 55 Rating, Add	151.50	
40 05 19 00-0761 EA 14" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,697.38	473.46
For Class 52 Rating, Deduct	-107.80	
For Class 54 Rating, Add	73.50	
For Class 55 Rating, Add	163.37	
40 05 19 00-0762 EA 14" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,772.72	476.20
For Class 52 Rating, Deduct	-115.63	
For Class 54 Rating, Add	78.84	
For Class 55 Rating, Add	175.24	
40 05 19 00-0763 EA 14" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,848.07	478.94
For Class 52 Rating, Deduct	-123.46	
For Class 54 Rating, Add	84.18	
For Class 55 Rating, Add	187.10	
40 05 19 00-0764 EA 14" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,923.41	481.68
For Class 52 Rating, Deduct	-131.30	
For Class 54 Rating, Add	89.52	
For Class 55 Rating, Add	198.97	
40 05 19 00-0765 EA 14" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,998.76	484.41
For Class 52 Rating, Deduct	-139.13	
For Class 54 Rating, Add	94.86	
For Class 55 Rating, Add	210.84	
40 05 19 00-0766 EA 14" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,074.10	487.15
For Class 52 Rating, Deduct	-146.96	
For Class 54 Rating, Add	100.20	
For Class 55 Rating, Add	222.71	
40 05 19 00-0767 EA 14" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,149.45	489.89
For Class 52 Rating, Deduct	-154.79	
For Class 54 Rating, Add	105.54	
For Class 55 Rating, Add	234.58	

40 Process Interconnections

40 05 Common Work Results For Process Interconnections

40 05 19 Ductile Iron Process Pipe



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0768	EA		14" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,224.79	492.62
			For Class 52 Rating, Deduct	-162.62	
			For Class 54 Rating, Add	110.88	
			For Class 55 Rating, Add	246.45	
40 05 19 00-0769	EA		14" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,300.15	495.36
			For Class 52 Rating, Deduct	-170.46	
			For Class 54 Rating, Add	116.22	
			For Class 55 Rating, Add	258.32	
40 05 19 00-0770	EA		14" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,375.49	498.09
			For Class 52 Rating, Deduct	-178.29	
			For Class 54 Rating, Add	121.56	
			For Class 55 Rating, Add	270.19	
40 05 19 00-0771	EA		14" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,450.84	500.83
			For Class 52 Rating, Deduct	-186.12	
			For Class 54 Rating, Add	126.90	
			For Class 55 Rating, Add	282.06	
40 05 19 00-0772	EA		14" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,526.18	503.57
			For Class 52 Rating, Deduct	-193.95	
			For Class 54 Rating, Add	132.24	
			For Class 55 Rating, Add	293.93	
40 05 19 00-0773	EA		14" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,601.53	506.31
			For Class 52 Rating, Deduct	-201.78	
			For Class 54 Rating, Add	137.58	
			For Class 55 Rating, Add	305.79	
40 05 19 00-0774	EA		14" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,676.88	509.05
			For Class 52 Rating, Deduct	-209.62	
			For Class 54 Rating, Add	142.92	
			For Class 55 Rating, Add	317.66	
40 05 19 00-0775	EA		14" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,752.22	511.78
			For Class 52 Rating, Deduct	-217.45	
			For Class 54 Rating, Add	148.26	
			For Class 55 Rating, Add	329.53	
40 05 19 00-0776	EA		14" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,827.58	514.52
			For Class 52 Rating, Deduct	-225.28	
			For Class 54 Rating, Add	153.60	
			For Class 55 Rating, Add	341.40	
40 05 19 00-0777	EA		14" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,902.92	517.25
			For Class 52 Rating, Deduct	-233.11	
			For Class 54 Rating, Add	158.94	
			For Class 55 Rating, Add	353.27	
40 05 19 00-0778	EA		14" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,978.27	519.99
			For Class 52 Rating, Deduct	-240.94	
			For Class 54 Rating, Add	164.28	
			For Class 55 Rating, Add	365.14	
40 05 19 00-0779	EA		14" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,053.61	522.73
			For Class 52 Rating, Deduct	-248.78	
			For Class 54 Rating, Add	169.62	
			For Class 55 Rating, Add	377.01	
40 05 19 00-0780	EA		14" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,128.96	525.46
			For Class 52 Rating, Deduct	-256.61	
			For Class 54 Rating, Add	174.96	
			For Class 55 Rating, Add	388.88	
40 05 19 00-0781	EA		14" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,204.30	528.20
			For Class 52 Rating, Deduct	-264.44	
			For Class 54 Rating, Add	180.30	
			For Class 55 Rating, Add	400.75	
40 05 19 00-0782	EA		14" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,279.65	530.94
			For Class 52 Rating, Deduct	-272.27	
			For Class 54 Rating, Add	185.64	
			For Class 55 Rating, Add	412.62	
40 05 19 00-0783	EA		14" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,354.99	533.68
			For Class 52 Rating, Deduct	-280.10	
			For Class 54 Rating, Add	190.98	
			For Class 55 Rating, Add	424.48	
40 05 19 00-0784	EA		14" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,430.35	536.41
			For Class 52 Rating, Deduct	-287.94	
			For Class 54 Rating, Add	196.32	
			For Class 55 Rating, Add	436.35	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0785 EA 14" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,505.69	539.15
For Class 52 Rating, Deduct	-295.77	
For Class 54 Rating, Add	201.66	
For Class 55 Rating, Add	448.22	
40 05 19 00-0786 EA 14" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,581.04	541.89
For Class 52 Rating, Deduct	-303.60	
For Class 54 Rating, Add	207.00	
For Class 55 Rating, Add	460.09	
40 05 19 00-0787 EA 14" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,656.39	544.62
For Class 52 Rating, Deduct	-311.43	
For Class 54 Rating, Add	212.34	
For Class 55 Rating, Add	471.96	
40 05 19 00-0788 EA 14" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,731.73	547.36
For Class 52 Rating, Deduct	-319.26	
For Class 54 Rating, Add	217.68	
For Class 55 Rating, Add	483.83	
40 05 19 00-0789 EA 14" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,807.08	550.09
For Class 52 Rating, Deduct	-327.10	
For Class 54 Rating, Add	223.02	
For Class 55 Rating, Add	495.70	
40 05 19 00-0790 EA 14" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,882.42	552.83
For Class 52 Rating, Deduct	-334.93	
For Class 54 Rating, Add	228.36	
For Class 55 Rating, Add	507.57	
40 05 19 00-0791 EA 14" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,957.77	555.57
For Class 52 Rating, Deduct	-342.76	
For Class 54 Rating, Add	233.70	
For Class 55 Rating, Add	519.44	
40 05 19 00-0792 EA 14" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,033.12	558.31
For Class 52 Rating, Deduct	-350.59	
For Class 54 Rating, Add	239.04	
For Class 55 Rating, Add	531.31	
40 05 19 00-0793 EA 14" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,108.47	561.05
For Class 52 Rating, Deduct	-358.42	
For Class 54 Rating, Add	244.38	
For Class 55 Rating, Add	543.18	
40 05 19 00-0794 16" Flanged End x Grooved End (FxG), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <small>(40 05 19 00-0554)</small>		
40 05 19 00-0795 EA 16" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,534.56	525.46
For Class 52 Rating, Deduct	-81.22	
For Class 54 Rating, Add	55.38	
For Class 55 Rating, Add	123.09	
40 05 19 00-0796 EA 16" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,621.90	528.20
For Class 52 Rating, Deduct	-90.38	
For Class 54 Rating, Add	61.62	
For Class 55 Rating, Add	136.96	
40 05 19 00-0797 EA 16" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,709.25	530.94
For Class 52 Rating, Deduct	-99.53	
For Class 54 Rating, Add	67.86	
For Class 55 Rating, Add	150.83	
40 05 19 00-0798 EA 16" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,796.59	533.68
For Class 52 Rating, Deduct	-108.68	
For Class 54 Rating, Add	74.10	
For Class 55 Rating, Add	164.70	
40 05 19 00-0799 EA 16" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,883.95	536.41
For Class 52 Rating, Deduct	-117.83	
For Class 54 Rating, Add	80.34	
For Class 55 Rating, Add	178.57	
40 05 19 00-0800 EA 16" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,971.29	539.15
For Class 52 Rating, Deduct	-126.98	
For Class 54 Rating, Add	86.58	
For Class 55 Rating, Add	192.44	
40 05 19 00-0801 EA 16" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,058.64	541.89
For Class 52 Rating, Deduct	-136.14	
For Class 54 Rating, Add	92.82	
For Class 55 Rating, Add	206.31	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0802	EA		16" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,145.99	544.62
			<i>For Class 52 Rating, Deduct</i>	-145.29	
			<i>For Class 54 Rating, Add</i>	99.06	
			<i>For Class 55 Rating, Add</i>	220.18	
40 05 19 00-0803	EA		16" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,233.33	547.36
			<i>For Class 52 Rating, Deduct</i>	-154.44	
			<i>For Class 54 Rating, Add</i>	105.30	
			<i>For Class 55 Rating, Add</i>	234.05	
40 05 19 00-0804	EA		16" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,312.68	550.09
			<i>For Class 52 Rating, Deduct</i>	-162.71	
			<i>For Class 54 Rating, Add</i>	110.94	
			<i>For Class 55 Rating, Add</i>	246.58	
40 05 19 00-0805	EA		16" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,408.02	552.83
			<i>For Class 52 Rating, Deduct</i>	-172.74	
			<i>For Class 54 Rating, Add</i>	117.78	
			<i>For Class 55 Rating, Add</i>	261.79	
40 05 19 00-0806	EA		16" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,495.37	555.57
			<i>For Class 52 Rating, Deduct</i>	-181.90	
			<i>For Class 54 Rating, Add</i>	124.02	
			<i>For Class 55 Rating, Add</i>	275.66	
40 05 19 00-0807	EA		16" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,582.72	558.31
			<i>For Class 52 Rating, Deduct</i>	-191.05	
			<i>For Class 54 Rating, Add</i>	130.26	
			<i>For Class 55 Rating, Add</i>	289.52	
40 05 19 00-0808	EA		16" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,670.07	561.05
			<i>For Class 52 Rating, Deduct</i>	-200.20	
			<i>For Class 54 Rating, Add</i>	136.50	
			<i>For Class 55 Rating, Add</i>	303.39	
40 05 19 00-0809	EA		16" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,757.41	563.78
			<i>For Class 52 Rating, Deduct</i>	-209.35	
			<i>For Class 54 Rating, Add</i>	142.74	
			<i>For Class 55 Rating, Add</i>	317.26	
40 05 19 00-0810	EA		16" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,844.76	566.52
			<i>For Class 52 Rating, Deduct</i>	-218.50	
			<i>For Class 54 Rating, Add</i>	148.98	
			<i>For Class 55 Rating, Add</i>	331.13	
40 05 19 00-0811	EA		16" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,932.10	569.25
			<i>For Class 52 Rating, Deduct</i>	-227.66	
			<i>For Class 54 Rating, Add</i>	155.22	
			<i>For Class 55 Rating, Add</i>	345.00	
40 05 19 00-0812	EA		16" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,019.45	571.99
			<i>For Class 52 Rating, Deduct</i>	-236.81	
			<i>For Class 54 Rating, Add</i>	161.46	
			<i>For Class 55 Rating, Add</i>	358.87	
40 05 19 00-0813	EA		16" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,106.79	574.72
			<i>For Class 52 Rating, Deduct</i>	-245.96	
			<i>For Class 54 Rating, Add</i>	167.70	
			<i>For Class 55 Rating, Add</i>	372.74	
40 05 19 00-0814	EA		16" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,194.15	577.46
			<i>For Class 52 Rating, Deduct</i>	-255.11	
			<i>For Class 54 Rating, Add</i>	173.94	
			<i>For Class 55 Rating, Add</i>	386.61	
40 05 19 00-0815	EA		16" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,281.49	580.20
			<i>For Class 52 Rating, Deduct</i>	-264.26	
			<i>For Class 54 Rating, Add</i>	180.18	
			<i>For Class 55 Rating, Add</i>	400.48	
40 05 19 00-0816	EA		16" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,368.84	582.94
			<i>For Class 52 Rating, Deduct</i>	-273.42	
			<i>For Class 54 Rating, Add</i>	186.42	
			<i>For Class 55 Rating, Add</i>	414.35	
40 05 19 00-0817	EA		16" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,456.19	585.68
			<i>For Class 52 Rating, Deduct</i>	-282.57	
			<i>For Class 54 Rating, Add</i>	192.66	
			<i>For Class 55 Rating, Add</i>	428.22	
40 05 19 00-0818	EA		16" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,543.53	588.41
			<i>For Class 52 Rating, Deduct</i>	-291.72	
			<i>For Class 54 Rating, Add</i>	198.90	
			<i>For Class 55 Rating, Add</i>	442.09	



Process Interconnections	40
Common Work Results For Process Interconnections	40 05
Ductile Iron Process Pipe	40 05 19

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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0819 EA 16" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,630.88	591.15
For Class 52 Rating, Deduct	-300.87	
For Class 54 Rating, Add	205.14	
For Class 55 Rating, Add	455.96	
40 05 19 00-0820 EA 16" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,718.22	593.88
For Class 52 Rating, Deduct	-310.02	
For Class 54 Rating, Add	211.38	
For Class 55 Rating, Add	469.83	
40 05 19 00-0821 EA 16" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,805.57	596.62
For Class 52 Rating, Deduct	-319.18	
For Class 54 Rating, Add	217.62	
For Class 55 Rating, Add	483.70	
40 05 19 00-0822 EA 16" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,892.92	599.36
For Class 52 Rating, Deduct	-328.33	
For Class 54 Rating, Add	223.86	
For Class 55 Rating, Add	497.57	
40 05 19 00-0823 EA 16" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,980.27	602.09
For Class 52 Rating, Deduct	-337.48	
For Class 54 Rating, Add	230.10	
For Class 55 Rating, Add	511.44	
40 05 19 00-0824 EA 16" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,067.61	604.83
For Class 52 Rating, Deduct	-346.63	
For Class 54 Rating, Add	236.34	
For Class 55 Rating, Add	525.31	
40 05 19 00-0825 EA 16" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,154.96	607.57
For Class 52 Rating, Deduct	-355.78	
For Class 54 Rating, Add	242.58	
For Class 55 Rating, Add	539.17	
40 05 19 00-0826 EA 16" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,242.30	610.31
For Class 52 Rating, Deduct	-364.94	
For Class 54 Rating, Add	248.82	
For Class 55 Rating, Add	553.04	
40 05 19 00-0827 EA 16" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,329.65	613.04
For Class 52 Rating, Deduct	-374.09	
For Class 54 Rating, Add	255.06	
For Class 55 Rating, Add	566.91	
40 05 19 00-0828 EA 16" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,416.99	615.78
For Class 52 Rating, Deduct	-383.24	
For Class 54 Rating, Add	261.30	
For Class 55 Rating, Add	580.78	
40 05 19 00-0829 EA 16" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,504.34	618.52
For Class 52 Rating, Deduct	-392.39	
For Class 54 Rating, Add	267.54	
For Class 55 Rating, Add	594.65	
40 05 19 00-0830 EA 16" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,591.70	621.25
For Class 52 Rating, Deduct	-401.54	
For Class 54 Rating, Add	273.78	
For Class 55 Rating, Add	608.52	
40 05 19 00-0831 EA 16" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,679.04	623.99
For Class 52 Rating, Deduct	-410.70	
For Class 54 Rating, Add	280.02	
For Class 55 Rating, Add	622.39	
40 05 19 00-0832 EA 16" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,766.39	626.72
For Class 52 Rating, Deduct	-419.85	
For Class 54 Rating, Add	286.26	
For Class 55 Rating, Add	636.26	
40 05 19 00-0833 18" Flanged End x Grooved End (FxG), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe (40 05 19 00-0554)		
40 05 19 00-0834 EA 18" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,773.34	592.24
For Class 52 Rating, Deduct	-96.36	
For Class 54 Rating, Add	65.70	
For Class 55 Rating, Add	146.03	
40 05 19 00-0835 EA 18" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,873.48	594.98
For Class 52 Rating, Deduct	-106.92	
For Class 54 Rating, Add	72.90	
For Class 55 Rating, Add	162.03	

40 Process Interconnections

40 05 Common Work Results For Process Interconnections

40 05 19 Ductile Iron Process Pipe



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0836	EA		18" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,973.63	597.72
			<i>For Class 52 Rating, Deduct</i>	-117.48	
			<i>For Class 54 Rating, Add</i>	80.10	
			<i>For Class 55 Rating, Add</i>	178.04	
40 05 19 00-0837	EA		18" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,073.77	600.45
			<i>For Class 52 Rating, Deduct</i>	-128.04	
			<i>For Class 54 Rating, Add</i>	87.30	
			<i>For Class 55 Rating, Add</i>	194.04	
40 05 19 00-0838	EA		18" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,173.93	603.20
			<i>For Class 52 Rating, Deduct</i>	-138.60	
			<i>For Class 54 Rating, Add</i>	94.50	
			<i>For Class 55 Rating, Add</i>	210.04	
40 05 19 00-0839	EA		18" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,274.07	605.93
			<i>For Class 52 Rating, Deduct</i>	-149.16	
			<i>For Class 54 Rating, Add</i>	101.70	
			<i>For Class 55 Rating, Add</i>	226.05	
40 05 19 00-0840	EA		18" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,374.22	608.67
			<i>For Class 52 Rating, Deduct</i>	-159.72	
			<i>For Class 54 Rating, Add</i>	108.90	
			<i>For Class 55 Rating, Add</i>	242.05	
40 05 19 00-0841	EA		18" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,474.36	611.41
			<i>For Class 52 Rating, Deduct</i>	-170.28	
			<i>For Class 54 Rating, Add</i>	116.10	
			<i>For Class 55 Rating, Add</i>	258.05	
40 05 19 00-0842	EA		18" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,574.51	614.14
			<i>For Class 52 Rating, Deduct</i>	-180.84	
			<i>For Class 54 Rating, Add</i>	123.30	
			<i>For Class 55 Rating, Add</i>	274.05	
40 05 19 00-0843	EA		18" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,674.65	616.88
			<i>For Class 52 Rating, Deduct</i>	-191.40	
			<i>For Class 54 Rating, Add</i>	130.50	
			<i>For Class 55 Rating, Add</i>	290.06	
40 05 19 00-0844	EA		18" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,774.80	619.61
			<i>For Class 52 Rating, Deduct</i>	-201.96	
			<i>For Class 54 Rating, Add</i>	137.70	
			<i>For Class 55 Rating, Add</i>	306.06	
40 05 19 00-0845	EA		18" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,874.95	622.35
			<i>For Class 52 Rating, Deduct</i>	-212.52	
			<i>For Class 54 Rating, Add</i>	144.90	
			<i>For Class 55 Rating, Add</i>	322.06	
40 05 19 00-0846	EA		18" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,975.10	625.08
			<i>For Class 52 Rating, Deduct</i>	-223.08	
			<i>For Class 54 Rating, Add</i>	152.10	
			<i>For Class 55 Rating, Add</i>	338.07	
40 05 19 00-0847	EA		18" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,075.25	627.83
			<i>For Class 52 Rating, Deduct</i>	-233.64	
			<i>For Class 54 Rating, Add</i>	159.30	
			<i>For Class 55 Rating, Add</i>	354.07	
40 05 19 00-0848	EA		18" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,175.39	630.57
			<i>For Class 52 Rating, Deduct</i>	-244.20	
			<i>For Class 54 Rating, Add</i>	166.50	
			<i>For Class 55 Rating, Add</i>	370.07	
40 05 19 00-0849	EA		18" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,275.54	633.30
			<i>For Class 52 Rating, Deduct</i>	-254.76	
			<i>For Class 54 Rating, Add</i>	173.70	
			<i>For Class 55 Rating, Add</i>	386.08	
40 05 19 00-0850	EA		18" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,375.68	636.04
			<i>For Class 52 Rating, Deduct</i>	-265.32	
			<i>For Class 54 Rating, Add</i>	180.90	
			<i>For Class 55 Rating, Add</i>	402.08	
40 05 19 00-0851	EA		18" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,475.83	638.77
			<i>For Class 52 Rating, Deduct</i>	-275.88	
			<i>For Class 54 Rating, Add</i>	188.10	
			<i>For Class 55 Rating, Add</i>	418.08	
40 05 19 00-0852	EA		18" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,575.97	641.51
			<i>For Class 52 Rating, Deduct</i>	-286.44	
			<i>For Class 54 Rating, Add</i>	195.30	
			<i>For Class 55 Rating, Add</i>	434.09	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0853 EA 18" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,676.13	644.24
<i>For Class 52 Rating, Deduct</i>	-297.00	
<i>For Class 54 Rating, Add</i>	202.50	
<i>For Class 55 Rating, Add</i>	450.09	
40 05 19 00-0854 EA 18" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,776.27	646.98
<i>For Class 52 Rating, Deduct</i>	-307.56	
<i>For Class 54 Rating, Add</i>	209.70	
<i>For Class 55 Rating, Add</i>	466.09	
40 05 19 00-0855 EA 18" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,876.42	649.72
<i>For Class 52 Rating, Deduct</i>	-318.12	
<i>For Class 54 Rating, Add</i>	216.90	
<i>For Class 55 Rating, Add</i>	482.10	
40 05 19 00-0856 EA 18" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,976.56	652.45
<i>For Class 52 Rating, Deduct</i>	-328.68	
<i>For Class 54 Rating, Add</i>	224.10	
<i>For Class 55 Rating, Add</i>	498.10	
40 05 19 00-0857 EA 18" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,076.71	655.20
<i>For Class 52 Rating, Deduct</i>	-339.24	
<i>For Class 54 Rating, Add</i>	231.30	
<i>For Class 55 Rating, Add</i>	514.10	
40 05 19 00-0858 EA 18" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,176.86	657.93
<i>For Class 52 Rating, Deduct</i>	-349.80	
<i>For Class 54 Rating, Add</i>	238.50	
<i>For Class 55 Rating, Add</i>	530.11	
40 05 19 00-0859 EA 18" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,277.00	660.67
<i>For Class 52 Rating, Deduct</i>	-360.36	
<i>For Class 54 Rating, Add</i>	245.70	
<i>For Class 55 Rating, Add</i>	546.11	
40 05 19 00-0860 EA 18" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,377.15	663.40
<i>For Class 52 Rating, Deduct</i>	-370.92	
<i>For Class 54 Rating, Add</i>	252.90	
<i>For Class 55 Rating, Add</i>	562.11	
40 05 19 00-0861 EA 18" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,477.30	666.14
<i>For Class 52 Rating, Deduct</i>	-381.48	
<i>For Class 54 Rating, Add</i>	260.10	
<i>For Class 55 Rating, Add</i>	578.12	
40 05 19 00-0862 EA 18" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,577.45	668.88
<i>For Class 52 Rating, Deduct</i>	-392.04	
<i>For Class 54 Rating, Add</i>	267.30	
<i>For Class 55 Rating, Add</i>	594.12	
40 05 19 00-0863 EA 18" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,677.59	671.61
<i>For Class 52 Rating, Deduct</i>	-402.60	
<i>For Class 54 Rating, Add</i>	274.50	
<i>For Class 55 Rating, Add</i>	610.12	
40 05 19 00-0864 EA 18" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,777.74	674.35
<i>For Class 52 Rating, Deduct</i>	-413.16	
<i>For Class 54 Rating, Add</i>	281.70	
<i>For Class 55 Rating, Add</i>	626.13	
40 05 19 00-0865 EA 18" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,877.88	677.08
<i>For Class 52 Rating, Deduct</i>	-423.72	
<i>For Class 54 Rating, Add</i>	288.90	
<i>For Class 55 Rating, Add</i>	642.13	
40 05 19 00-0866 EA 18" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,978.03	679.83
<i>For Class 52 Rating, Deduct</i>	-434.28	
<i>For Class 54 Rating, Add</i>	296.10	
<i>For Class 55 Rating, Add</i>	658.13	
40 05 19 00-0867 EA 18" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,078.17	682.56
<i>For Class 52 Rating, Deduct</i>	-444.84	
<i>For Class 54 Rating, Add</i>	303.30	
<i>For Class 55 Rating, Add</i>	674.13	
40 05 19 00-0868 EA 18" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,178.32	685.30
<i>For Class 52 Rating, Deduct</i>	-455.40	
<i>For Class 54 Rating, Add</i>	310.50	
<i>For Class 55 Rating, Add</i>	690.14	
40 05 19 00-0869 EA 18" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,278.47	688.04
<i>For Class 52 Rating, Deduct</i>	-465.96	
<i>For Class 54 Rating, Add</i>	317.70	
<i>For Class 55 Rating, Add</i>	706.14	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0870	EA		18" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,378.62	690.77
			<i>For Class 52 Rating, Deduct</i>	-476.52	
			<i>For Class 54 Rating, Add</i>	324.90	
			<i>For Class 55 Rating, Add</i>	722.14	
40 05 19 00-0871	EA		18" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,478.76	693.51
			<i>For Class 52 Rating, Deduct</i>	-487.08	
			<i>For Class 54 Rating, Add</i>	332.10	
			<i>For Class 55 Rating, Add</i>	738.15	
40 05 19 00-0872			20" Flanged End x Grooved End (FxG), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <small>(40 05 19 00-0854)</small>		
40 05 19 00-0873	EA		20" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,047.42	675.99
			<i>For Class 52 Rating, Deduct</i>	-112.55	
			<i>For Class 54 Rating, Add</i>	76.74	
			<i>For Class 55 Rating, Add</i>	170.57	
40 05 19 00-0874	EA		20" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,161.97	678.72
			<i>For Class 52 Rating, Deduct</i>	-124.70	
			<i>For Class 54 Rating, Add</i>	85.02	
			<i>For Class 55 Rating, Add</i>	188.97	
40 05 19 00-0875	EA		20" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,276.51	681.46
			<i>For Class 52 Rating, Deduct</i>	-136.84	
			<i>For Class 54 Rating, Add</i>	93.30	
			<i>For Class 55 Rating, Add</i>	207.37	
40 05 19 00-0876	EA		20" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,391.07	684.20
			<i>For Class 52 Rating, Deduct</i>	-148.98	
			<i>For Class 54 Rating, Add</i>	101.58	
			<i>For Class 55 Rating, Add</i>	225.78	
40 05 19 00-0877	EA		20" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,505.61	686.94
			<i>For Class 52 Rating, Deduct</i>	-161.13	
			<i>For Class 54 Rating, Add</i>	109.86	
			<i>For Class 55 Rating, Add</i>	244.18	
40 05 19 00-0878	EA		20" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,620.16	689.67
			<i>For Class 52 Rating, Deduct</i>	-173.27	
			<i>For Class 54 Rating, Add</i>	118.14	
			<i>For Class 55 Rating, Add</i>	262.59	
40 05 19 00-0879	EA		20" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,734.70	692.41
			<i>For Class 52 Rating, Deduct</i>	-185.42	
			<i>For Class 54 Rating, Add</i>	126.42	
			<i>For Class 55 Rating, Add</i>	280.99	
40 05 19 00-0880	EA		20" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,849.25	695.15
			<i>For Class 52 Rating, Deduct</i>	-197.56	
			<i>For Class 54 Rating, Add</i>	134.70	
			<i>For Class 55 Rating, Add</i>	299.39	
40 05 19 00-0881	EA		20" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,963.80	697.88
			<i>For Class 52 Rating, Deduct</i>	-209.70	
			<i>For Class 54 Rating, Add</i>	142.98	
			<i>For Class 55 Rating, Add</i>	317.80	
40 05 19 00-0882	EA		20" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,078.34	700.62
			<i>For Class 52 Rating, Deduct</i>	-221.85	
			<i>For Class 54 Rating, Add</i>	151.26	
			<i>For Class 55 Rating, Add</i>	336.20	
40 05 19 00-0883	EA		20" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,192.90	703.35
			<i>For Class 52 Rating, Deduct</i>	-233.99	
			<i>For Class 54 Rating, Add</i>	159.54	
			<i>For Class 55 Rating, Add</i>	354.60	
40 05 19 00-0884	EA		20" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,307.44	706.09
			<i>For Class 52 Rating, Deduct</i>	-246.14	
			<i>For Class 54 Rating, Add</i>	167.82	
			<i>For Class 55 Rating, Add</i>	373.01	
40 05 19 00-0885	EA		20" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,421.99	708.82
			<i>For Class 52 Rating, Deduct</i>	-258.28	
			<i>For Class 54 Rating, Add</i>	176.10	
			<i>For Class 55 Rating, Add</i>	391.41	
40 05 19 00-0886	EA		20" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,536.53	711.57
			<i>For Class 52 Rating, Deduct</i>	-270.42	
			<i>For Class 54 Rating, Add</i>	184.38	
			<i>For Class 55 Rating, Add</i>	409.82	



Process Interconnections	40
Common Work Results For Process Interconnections	40 05
Ductile Iron Process Pipe	40 05 19

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0887 EA 20" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,651.08	714.31
<i>For Class 52 Rating, Deduct</i>	-282.57	
<i>For Class 54 Rating, Add</i>	192.66	
<i>For Class 55 Rating, Add</i>	428.22	
40 05 19 00-0888 EA 20" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,765.62	717.04
<i>For Class 52 Rating, Deduct</i>	-294.71	
<i>For Class 54 Rating, Add</i>	200.94	
<i>For Class 55 Rating, Add</i>	446.62	
40 05 19 00-0889 EA 20" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,880.17	719.78
<i>For Class 52 Rating, Deduct</i>	-306.86	
<i>For Class 54 Rating, Add</i>	209.22	
<i>For Class 55 Rating, Add</i>	465.03	
40 05 19 00-0890 EA 20" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,994.71	722.51
<i>For Class 52 Rating, Deduct</i>	-319.00	
<i>For Class 54 Rating, Add</i>	217.50	
<i>For Class 55 Rating, Add</i>	483.43	
40 05 19 00-0891 EA 20" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,109.27	725.25
<i>For Class 52 Rating, Deduct</i>	-331.14	
<i>For Class 54 Rating, Add</i>	225.78	
<i>For Class 55 Rating, Add</i>	501.83	
40 05 19 00-0892 EA 20" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,223.81	727.99
<i>For Class 52 Rating, Deduct</i>	-343.29	
<i>For Class 54 Rating, Add</i>	234.06	
<i>For Class 55 Rating, Add</i>	520.24	
40 05 19 00-0893 EA 20" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,338.36	730.72
<i>For Class 52 Rating, Deduct</i>	-355.43	
<i>For Class 54 Rating, Add</i>	242.34	
<i>For Class 55 Rating, Add</i>	538.64	
40 05 19 00-0894 EA 20" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,452.90	733.46
<i>For Class 52 Rating, Deduct</i>	-367.58	
<i>For Class 54 Rating, Add</i>	250.62	
<i>For Class 55 Rating, Add</i>	557.04	
40 05 19 00-0895 EA 20" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,567.45	736.20
<i>For Class 52 Rating, Deduct</i>	-379.72	
<i>For Class 54 Rating, Add</i>	258.90	
<i>For Class 55 Rating, Add</i>	575.45	
40 05 19 00-0896 EA 20" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,682.00	738.94
<i>For Class 52 Rating, Deduct</i>	-391.86	
<i>For Class 54 Rating, Add</i>	267.18	
<i>For Class 55 Rating, Add</i>	593.85	
40 05 19 00-0897 EA 20" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,796.54	741.67
<i>For Class 52 Rating, Deduct</i>	-404.01	
<i>For Class 54 Rating, Add</i>	275.46	
<i>For Class 55 Rating, Add</i>	612.26	
40 05 19 00-0898 EA 20" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,911.09	744.41
<i>For Class 52 Rating, Deduct</i>	-416.15	
<i>For Class 54 Rating, Add</i>	283.74	
<i>For Class 55 Rating, Add</i>	630.66	
40 05 19 00-0899 EA 20" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,025.64	747.15
<i>For Class 52 Rating, Deduct</i>	-428.30	
<i>For Class 54 Rating, Add</i>	292.02	
<i>For Class 55 Rating, Add</i>	649.06	
40 05 19 00-0900 EA 20" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,140.19	749.88
<i>For Class 52 Rating, Deduct</i>	-440.44	
<i>For Class 54 Rating, Add</i>	300.30	
<i>For Class 55 Rating, Add</i>	667.47	
40 05 19 00-0901 EA 20" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,254.73	752.62
<i>For Class 52 Rating, Deduct</i>	-452.58	
<i>For Class 54 Rating, Add</i>	308.58	
<i>For Class 55 Rating, Add</i>	685.87	
40 05 19 00-0902 EA 20" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,369.28	755.35
<i>For Class 52 Rating, Deduct</i>	-464.73	
<i>For Class 54 Rating, Add</i>	316.86	
<i>For Class 55 Rating, Add</i>	704.27	
40 05 19 00-0903 EA 20" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,483.82	758.09
<i>For Class 52 Rating, Deduct</i>	-476.87	
<i>For Class 54 Rating, Add</i>	325.14	
<i>For Class 55 Rating, Add</i>	722.68	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0904	EA		20" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,598.37	760.83
			<i>For Class 52 Rating, Deduct</i>	-489.02	
			<i>For Class 54 Rating, Add</i>	333.42	
			<i>For Class 55 Rating, Add</i>	741.08	
40 05 19 00-0905	EA		20" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,712.91	763.57
			<i>For Class 52 Rating, Deduct</i>	-501.16	
			<i>For Class 54 Rating, Add</i>	341.70	
			<i>For Class 55 Rating, Add</i>	759.49	
40 05 19 00-0906	EA		20" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,827.47	766.31
			<i>For Class 52 Rating, Deduct</i>	-513.30	
			<i>For Class 54 Rating, Add</i>	349.98	
			<i>For Class 55 Rating, Add</i>	777.89	
40 05 19 00-0907	EA		20" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,942.01	769.04
			<i>For Class 52 Rating, Deduct</i>	-525.45	
			<i>For Class 54 Rating, Add</i>	358.26	
			<i>For Class 55 Rating, Add</i>	796.29	
40 05 19 00-0908	EA		20" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,056.56	771.78
			<i>For Class 52 Rating, Deduct</i>	-537.59	
			<i>For Class 54 Rating, Add</i>	366.54	
			<i>For Class 55 Rating, Add</i>	814.70	
40 05 19 00-0909	EA		20" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,171.10	774.51
			<i>For Class 52 Rating, Deduct</i>	-549.74	
			<i>For Class 54 Rating, Add</i>	374.82	
			<i>For Class 55 Rating, Add</i>	833.10	
40 05 19 00-0910	EA		20" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,285.65	777.25
			<i>For Class 52 Rating, Deduct</i>	-561.88	
			<i>For Class 54 Rating, Add</i>	383.10	
			<i>For Class 55 Rating, Add</i>	851.50	
40 05 19 00-0911			24" Flanged End x Grooved End (FxG), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <small>(40 05 19 00-0554)</small>		
40 05 19 00-0912	EA		24" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,503.62	799.14
			<i>For Class 52 Rating, Deduct</i>	-142.21	
			<i>For Class 54 Rating, Add</i>	96.96	
			<i>For Class 55 Rating, Add</i>	215.51	
40 05 19 00-0913	EA		24" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,644.57	801.88
			<i>For Class 52 Rating, Deduct</i>	-157.26	
			<i>For Class 54 Rating, Add</i>	107.22	
			<i>For Class 55 Rating, Add</i>	238.31	
40 05 19 00-0914	EA		24" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,785.51	804.62
			<i>For Class 52 Rating, Deduct</i>	-172.30	
			<i>For Class 54 Rating, Add</i>	117.48	
			<i>For Class 55 Rating, Add</i>	261.12	
40 05 19 00-0915	EA		24" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,926.46	807.35
			<i>For Class 52 Rating, Deduct</i>	-187.35	
			<i>For Class 54 Rating, Add</i>	127.74	
			<i>For Class 55 Rating, Add</i>	283.92	
40 05 19 00-0916	EA		24" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,067.41	810.09
			<i>For Class 52 Rating, Deduct</i>	-202.40	
			<i>For Class 54 Rating, Add</i>	138.00	
			<i>For Class 55 Rating, Add</i>	306.73	
40 05 19 00-0917	EA		24" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,208.36	812.83
			<i>For Class 52 Rating, Deduct</i>	-217.45	
			<i>For Class 54 Rating, Add</i>	148.26	
			<i>For Class 55 Rating, Add</i>	329.53	
40 05 19 00-0918	EA		24" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,349.31	815.57
			<i>For Class 52 Rating, Deduct</i>	-232.50	
			<i>For Class 54 Rating, Add</i>	158.52	
			<i>For Class 55 Rating, Add</i>	352.34	
40 05 19 00-0919	EA		24" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,490.25	818.30
			<i>For Class 52 Rating, Deduct</i>	-247.54	
			<i>For Class 54 Rating, Add</i>	168.78	
			<i>For Class 55 Rating, Add</i>	375.14	
40 05 19 00-0920	EA		24" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,631.20	821.04
			<i>For Class 52 Rating, Deduct</i>	-262.59	
			<i>For Class 54 Rating, Add</i>	179.04	
			<i>For Class 55 Rating, Add</i>	397.95	



Process Interconnections	40
Common Work Results For Process Interconnections	
Ductile Iron Process Pipe	40 05 19

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0921 EA 24" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,772.14	823.78
<i>For Class 52 Rating, Deduct</i>	-277.64	
<i>For Class 54 Rating, Add</i>	189.30	
<i>For Class 55 Rating, Add</i>	420.75	
40 05 19 00-0922 EA 24" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,913.09	826.51
<i>For Class 52 Rating, Deduct</i>	-292.69	
<i>For Class 54 Rating, Add</i>	199.56	
<i>For Class 55 Rating, Add</i>	443.56	
40 05 19 00-0923 EA 24" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,054.04	829.25
<i>For Class 52 Rating, Deduct</i>	-307.74	
<i>For Class 54 Rating, Add</i>	209.82	
<i>For Class 55 Rating, Add</i>	466.36	
40 05 19 00-0924 EA 24" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,194.99	831.98
<i>For Class 52 Rating, Deduct</i>	-322.78	
<i>For Class 54 Rating, Add</i>	220.08	
<i>For Class 55 Rating, Add</i>	489.16	
40 05 19 00-0925 EA 24" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,335.93	834.72
<i>For Class 52 Rating, Deduct</i>	-337.83	
<i>For Class 54 Rating, Add</i>	230.34	
<i>For Class 55 Rating, Add</i>	511.97	
40 05 19 00-0926 EA 24" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,476.88	837.45
<i>For Class 52 Rating, Deduct</i>	-352.88	
<i>For Class 54 Rating, Add</i>	240.60	
<i>For Class 55 Rating, Add</i>	534.77	
40 05 19 00-0927 EA 24" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,617.82	840.20
<i>For Class 52 Rating, Deduct</i>	-367.93	
<i>For Class 54 Rating, Add</i>	250.86	
<i>For Class 55 Rating, Add</i>	557.58	
40 05 19 00-0928 EA 24" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,758.77	842.94
<i>For Class 52 Rating, Deduct</i>	-382.98	
<i>For Class 54 Rating, Add</i>	261.12	
<i>For Class 55 Rating, Add</i>	580.38	
40 05 19 00-0929 EA 24" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,899.71	845.67
<i>For Class 52 Rating, Deduct</i>	-398.02	
<i>For Class 54 Rating, Add</i>	271.38	
<i>For Class 55 Rating, Add</i>	603.19	
40 05 19 00-0930 EA 24" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,040.66	848.41
<i>For Class 52 Rating, Deduct</i>	-413.07	
<i>For Class 54 Rating, Add</i>	281.64	
<i>For Class 55 Rating, Add</i>	625.99	
40 05 19 00-0931 EA 24" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,181.61	851.14
<i>For Class 52 Rating, Deduct</i>	-428.12	
<i>For Class 54 Rating, Add</i>	291.90	
<i>For Class 55 Rating, Add</i>	648.80	
40 05 19 00-0932 EA 24" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,322.56	853.88
<i>For Class 52 Rating, Deduct</i>	-443.17	
<i>For Class 54 Rating, Add</i>	302.16	
<i>For Class 55 Rating, Add</i>	671.60	
40 05 19 00-0933 EA 24" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,463.51	856.61
<i>For Class 52 Rating, Deduct</i>	-458.22	
<i>For Class 54 Rating, Add</i>	312.42	
<i>For Class 55 Rating, Add</i>	694.41	
40 05 19 00-0934 EA 24" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,604.45	859.35
<i>For Class 52 Rating, Deduct</i>	-473.26	
<i>For Class 54 Rating, Add</i>	322.68	
<i>For Class 55 Rating, Add</i>	717.21	
40 05 19 00-0935 EA 24" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,745.40	862.09
<i>For Class 52 Rating, Deduct</i>	-488.31	
<i>For Class 54 Rating, Add</i>	332.94	
<i>For Class 55 Rating, Add</i>	740.01	
40 05 19 00-0936 EA 24" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,886.34	864.83
<i>For Class 52 Rating, Deduct</i>	-503.36	
<i>For Class 54 Rating, Add</i>	343.20	
<i>For Class 55 Rating, Add</i>	762.82	
40 05 19 00-0937 EA 24" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,027.29	867.57
<i>For Class 52 Rating, Deduct</i>	-518.41	
<i>For Class 54 Rating, Add</i>	353.46	
<i>For Class 55 Rating, Add</i>	785.62	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0938	EA		24" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,168.23	870.30
			<i>For Class 52 Rating, Deduct</i>	-533.46	
			<i>For Class 54 Rating, Add</i>	363.72	
			<i>For Class 55 Rating, Add</i>	808.43	
40 05 19 00-0939	EA		24" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,309.19	873.04
			<i>For Class 52 Rating, Deduct</i>	-548.50	
			<i>For Class 54 Rating, Add</i>	373.98	
			<i>For Class 55 Rating, Add</i>	831.23	
40 05 19 00-0940	EA		24" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,450.13	875.77
			<i>For Class 52 Rating, Deduct</i>	-563.55	
			<i>For Class 54 Rating, Add</i>	384.24	
			<i>For Class 55 Rating, Add</i>	854.04	
40 05 19 00-0941	EA		24" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,661.57	925.04
			<i>For Class 52 Rating, Deduct</i>	-578.60	
			<i>For Class 54 Rating, Add</i>	394.50	
			<i>For Class 55 Rating, Add</i>	876.84	
40 05 19 00-0942	EA		24" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,802.51	927.77
			<i>For Class 52 Rating, Deduct</i>	-593.65	
			<i>For Class 54 Rating, Add</i>	404.76	
			<i>For Class 55 Rating, Add</i>	899.65	
40 05 19 00-0943	EA		24" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,943.46	930.51
			<i>For Class 52 Rating, Deduct</i>	-608.70	
			<i>For Class 54 Rating, Add</i>	415.02	
			<i>For Class 55 Rating, Add</i>	922.45	
40 05 19 00-0944	EA		24" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,084.41	933.25
			<i>For Class 52 Rating, Deduct</i>	-623.74	
			<i>For Class 54 Rating, Add</i>	425.28	
			<i>For Class 55 Rating, Add</i>	945.26	
40 05 19 00-0945	EA		24" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,225.36	935.98
			<i>For Class 52 Rating, Deduct</i>	-638.79	
			<i>For Class 54 Rating, Add</i>	435.54	
			<i>For Class 55 Rating, Add</i>	968.06	
40 05 19 00-0946	EA		24" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,366.31	938.72
			<i>For Class 52 Rating, Deduct</i>	-653.84	
			<i>For Class 54 Rating, Add</i>	445.80	
			<i>For Class 55 Rating, Add</i>	990.86	
40 05 19 00-0947	EA		24" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,507.25	941.45
			<i>For Class 52 Rating, Deduct</i>	-668.89	
			<i>For Class 54 Rating, Add</i>	456.06	
			<i>For Class 55 Rating, Add</i>	1,013.67	
40 05 19 00-0948	EA		24" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,648.20	944.20
			<i>For Class 52 Rating, Deduct</i>	-683.94	
			<i>For Class 54 Rating, Add</i>	466.32	
			<i>For Class 55 Rating, Add</i>	1,036.47	
40 05 19 00-0949	EA		24" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,789.14	946.93
			<i>For Class 52 Rating, Deduct</i>	-698.98	
			<i>For Class 54 Rating, Add</i>	476.58	
			<i>For Class 55 Rating, Add</i>	1,059.28	
40 05 19 00-0950			30" Flanged End x Grooved End (FxG), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <small>(40 05 19 00-0954)</small>		
40 05 19 00-0951	EA		30" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,772.43	1,127.56
			<i>For Class 52 Rating, Deduct</i>	-227.04	
			<i>For Class 54 Rating, Add</i>	154.80	
			<i>For Class 55 Rating, Add</i>	344.07	
40 05 19 00-0952	EA		30" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,974.17	1,130.30
			<i>For Class 52 Rating, Deduct</i>	-248.78	
			<i>For Class 54 Rating, Add</i>	169.62	
			<i>For Class 55 Rating, Add</i>	377.01	
40 05 19 00-0953	EA		30" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,175.92	1,133.03
			<i>For Class 52 Rating, Deduct</i>	-270.51	
			<i>For Class 54 Rating, Add</i>	184.44	
			<i>For Class 55 Rating, Add</i>	409.95	
40 05 19 00-0954	EA		30" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,377.66	1,135.77
			<i>For Class 52 Rating, Deduct</i>	-292.25	
			<i>For Class 54 Rating, Add</i>	199.26	
			<i>For Class 55 Rating, Add</i>	442.89	



Process Interconnections	40
Common Work Results For Process Interconnections	
Ductile Iron Process Pipe	40 05 19

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0955 EA 30" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,579.41	1,138.50
<i>For Class 52 Rating, Deduct</i>	-313.98	
<i>For Class 54 Rating, Add</i>	214.08	
<i>For Class 55 Rating, Add</i>	475.83	
40 05 19 00-0956 EA 30" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,781.15	1,141.24
<i>For Class 52 Rating, Deduct</i>	-335.72	
<i>For Class 54 Rating, Add</i>	228.90	
<i>For Class 55 Rating, Add</i>	508.77	
40 05 19 00-0957 EA 30" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,982.91	1,143.98
<i>For Class 52 Rating, Deduct</i>	-357.46	
<i>For Class 54 Rating, Add</i>	243.72	
<i>For Class 55 Rating, Add</i>	541.71	
40 05 19 00-0958 EA 30" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,184.65	1,146.71
<i>For Class 52 Rating, Deduct</i>	-379.19	
<i>For Class 54 Rating, Add</i>	258.54	
<i>For Class 55 Rating, Add</i>	574.65	
40 05 19 00-0959 EA 30" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,386.40	1,149.46
<i>For Class 52 Rating, Deduct</i>	-400.93	
<i>For Class 54 Rating, Add</i>	273.36	
<i>For Class 55 Rating, Add</i>	607.59	
40 05 19 00-0960 EA 30" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,588.14	1,152.19
<i>For Class 52 Rating, Deduct</i>	-422.66	
<i>For Class 54 Rating, Add</i>	288.18	
<i>For Class 55 Rating, Add</i>	640.53	
40 05 19 00-0961 EA 30" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,789.89	1,154.93
<i>For Class 52 Rating, Deduct</i>	-444.40	
<i>For Class 54 Rating, Add</i>	303.00	
<i>For Class 55 Rating, Add</i>	673.47	
40 05 19 00-0962 EA 30" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,991.63	1,157.67
<i>For Class 52 Rating, Deduct</i>	-466.14	
<i>For Class 54 Rating, Add</i>	317.82	
<i>For Class 55 Rating, Add</i>	706.41	
40 05 19 00-0963 EA 30" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,193.38	1,160.40
<i>For Class 52 Rating, Deduct</i>	-487.87	
<i>For Class 54 Rating, Add</i>	332.64	
<i>For Class 55 Rating, Add</i>	739.35	
40 05 19 00-0964 EA 30" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,395.13	1,163.14
<i>For Class 52 Rating, Deduct</i>	-509.61	
<i>For Class 54 Rating, Add</i>	347.46	
<i>For Class 55 Rating, Add</i>	772.29	
40 05 19 00-0965 EA 30" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,596.88	1,165.87
<i>For Class 52 Rating, Deduct</i>	-531.34	
<i>For Class 54 Rating, Add</i>	362.28	
<i>For Class 55 Rating, Add</i>	805.23	
40 05 19 00-0966 EA 30" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,798.63	1,168.61
<i>For Class 52 Rating, Deduct</i>	-553.08	
<i>For Class 54 Rating, Add</i>	377.10	
<i>For Class 55 Rating, Add</i>	838.17	
40 05 19 00-0967 EA 30" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,000.37	1,171.34
<i>For Class 52 Rating, Deduct</i>	-574.82	
<i>For Class 54 Rating, Add</i>	391.92	
<i>For Class 55 Rating, Add</i>	871.11	
40 05 19 00-0968 EA 30" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,202.12	1,174.09
<i>For Class 52 Rating, Deduct</i>	-596.55	
<i>For Class 54 Rating, Add</i>	406.74	
<i>For Class 55 Rating, Add</i>	904.05	
40 05 19 00-0969 EA 30" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,403.86	1,176.83
<i>For Class 52 Rating, Deduct</i>	-618.29	
<i>For Class 54 Rating, Add</i>	421.56	
<i>For Class 55 Rating, Add</i>	936.99	
40 05 19 00-0970 EA 30" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,605.61	1,179.56
<i>For Class 52 Rating, Deduct</i>	-640.02	
<i>For Class 54 Rating, Add</i>	436.38	
<i>For Class 55 Rating, Add</i>	969.93	
40 05 19 00-0971 EA 30" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,807.35	1,182.30
<i>For Class 52 Rating, Deduct</i>	-661.76	
<i>For Class 54 Rating, Add</i>	451.20	
<i>For Class 55 Rating, Add</i>	1,002.87	

40 Process Interconnections

40 05 Common Work Results For Process Interconnections

40 05 19 Ductile Iron Process Pipe



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0972	EA		30" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,009.10	1,185.03
			<i>For Class 52 Rating, Deduct</i>	-683.50	
			<i>For Class 54 Rating, Add</i>	466.02	
			<i>For Class 55 Rating, Add</i>	1,035.81	
40 05 19 00-0973	EA		30" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,210.85	1,187.77
			<i>For Class 52 Rating, Deduct</i>	-705.23	
			<i>For Class 54 Rating, Add</i>	480.84	
			<i>For Class 55 Rating, Add</i>	1,068.75	
40 05 19 00-0974	EA		30" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,412.60	1,190.50
			<i>For Class 52 Rating, Deduct</i>	-726.97	
			<i>For Class 54 Rating, Add</i>	495.66	
			<i>For Class 55 Rating, Add</i>	1,101.69	
40 05 19 00-0975	EA		30" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,614.34	1,193.24
			<i>For Class 52 Rating, Deduct</i>	-748.70	
			<i>For Class 54 Rating, Add</i>	510.48	
			<i>For Class 55 Rating, Add</i>	1,134.63	
40 05 19 00-0976	EA		30" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,816.09	1,195.98
			<i>For Class 52 Rating, Deduct</i>	-770.44	
			<i>For Class 54 Rating, Add</i>	525.30	
			<i>For Class 55 Rating, Add</i>	1,167.57	
40 05 19 00-0977	EA		30" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,017.83	1,198.71
			<i>For Class 52 Rating, Deduct</i>	-792.18	
			<i>For Class 54 Rating, Add</i>	540.12	
			<i>For Class 55 Rating, Add</i>	1,200.51	
40 05 19 00-0978	EA		30" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,219.58	1,201.46
			<i>For Class 52 Rating, Deduct</i>	-813.91	
			<i>For Class 54 Rating, Add</i>	554.94	
			<i>For Class 55 Rating, Add</i>	1,233.45	
40 05 19 00-0979	EA		30" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,421.33	1,204.19
			<i>For Class 52 Rating, Deduct</i>	-835.65	
			<i>For Class 54 Rating, Add</i>	569.76	
			<i>For Class 55 Rating, Add</i>	1,266.39	
40 05 19 00-0980	EA		30" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,623.08	1,206.93
			<i>For Class 52 Rating, Deduct</i>	-857.38	
			<i>For Class 54 Rating, Add</i>	584.58	
			<i>For Class 55 Rating, Add</i>	1,299.33	
40 05 19 00-0981	EA		30" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,824.83	1,209.66
			<i>For Class 52 Rating, Deduct</i>	-879.12	
			<i>For Class 54 Rating, Add</i>	599.40	
			<i>For Class 55 Rating, Add</i>	1,332.27	
40 05 19 00-0982	EA		30" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,026.57	1,212.40
			<i>For Class 52 Rating, Deduct</i>	-900.86	
			<i>For Class 54 Rating, Add</i>	614.22	
			<i>For Class 55 Rating, Add</i>	1,365.21	
40 05 19 00-0983	EA		30" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,228.32	1,215.14
			<i>For Class 52 Rating, Deduct</i>	-922.59	
			<i>For Class 54 Rating, Add</i>	629.04	
			<i>For Class 55 Rating, Add</i>	1,398.15	
40 05 19 00-0984	EA		30" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,430.06	1,217.87
			<i>For Class 52 Rating, Deduct</i>	-944.33	
			<i>For Class 54 Rating, Add</i>	643.86	
			<i>For Class 55 Rating, Add</i>	1,431.09	
40 05 19 00-0985	EA		30" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,631.81	1,220.61
			<i>For Class 52 Rating, Deduct</i>	-966.06	
			<i>For Class 54 Rating, Add</i>	658.68	
			<i>For Class 55 Rating, Add</i>	1,464.03	
40 05 19 00-0986	EA		30" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,833.55	1,223.34
			<i>For Class 52 Rating, Deduct</i>	-987.80	
			<i>For Class 54 Rating, Add</i>	673.50	
			<i>For Class 55 Rating, Add</i>	1,496.97	
40 05 19 00-0987	EA		30" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,035.30	1,226.09
			<i>For Class 52 Rating, Deduct</i>	-1,009.54	
			<i>For Class 54 Rating, Add</i>	688.32	
			<i>For Class 55 Rating, Add</i>	1,529.91	
40 05 19 00-0988	EA		30" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,237.05	1,228.82
			<i>For Class 52 Rating, Deduct</i>	-1,031.27	
			<i>For Class 54 Rating, Add</i>	703.14	
			<i>For Class 55 Rating, Add</i>	1,562.85	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0989 36" Flanged End x Grooved End (F&G), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <small>(40 05 19 00-0554)</small>		
40 05 19 00-0990 EA 36" Flanged x Grooved (F&G), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,074.15	1,428.60
For Class 52 Rating, Deduct	-320.06	
For Class 54 Rating, Add	218.22	
For Class 55 Rating, Add	485.03	
40 05 19 00-0991 EA 36" Flanged x Grooved (F&G), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,347.10	1,431.34
For Class 52 Rating, Deduct	-349.62	
For Class 54 Rating, Add	238.38	
For Class 55 Rating, Add	529.84	
40 05 19 00-0992 EA 36" Flanged x Grooved (F&G), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,620.05	1,434.08
For Class 52 Rating, Deduct	-379.19	
For Class 54 Rating, Add	258.54	
For Class 55 Rating, Add	574.65	
40 05 19 00-0993 EA 36" Flanged x Grooved (F&G), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,892.99	1,436.82
For Class 52 Rating, Deduct	-408.76	
For Class 54 Rating, Add	278.70	
For Class 55 Rating, Add	619.46	
40 05 19 00-0994 EA 36" Flanged x Grooved (F&G), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,165.95	1,439.56
For Class 52 Rating, Deduct	-438.33	
For Class 54 Rating, Add	298.86	
For Class 55 Rating, Add	664.27	
40 05 19 00-0995 EA 36" Flanged x Grooved (F&G), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,438.89	1,442.29
For Class 52 Rating, Deduct	-467.90	
For Class 54 Rating, Add	319.02	
For Class 55 Rating, Add	709.08	
40 05 19 00-0996 EA 36" Flanged x Grooved (F&G), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,711.84	1,445.03
For Class 52 Rating, Deduct	-497.46	
For Class 54 Rating, Add	339.18	
For Class 55 Rating, Add	753.88	
40 05 19 00-0997 EA 36" Flanged x Grooved (F&G), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,984.78	1,447.76
For Class 52 Rating, Deduct	-527.03	
For Class 54 Rating, Add	359.34	
For Class 55 Rating, Add	798.69	
40 05 19 00-0998 EA 36" Flanged x Grooved (F&G), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,257.73	1,450.50
For Class 52 Rating, Deduct	-556.60	
For Class 54 Rating, Add	379.50	
For Class 55 Rating, Add	843.50	
40 05 19 00-0999 EA 36" Flanged x Grooved (F&G), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,530.67	1,453.23
For Class 52 Rating, Deduct	-586.17	
For Class 54 Rating, Add	399.66	
For Class 55 Rating, Add	888.31	
40 05 19 00-1000 EA 36" Flanged x Grooved (F&G), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,803.62	1,455.97
For Class 52 Rating, Deduct	-615.74	
For Class 54 Rating, Add	419.82	
For Class 55 Rating, Add	933.12	
40 05 19 00-1001 EA 36" Flanged x Grooved (F&G), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,076.57	1,458.72
For Class 52 Rating, Deduct	-645.30	
For Class 54 Rating, Add	439.98	
For Class 55 Rating, Add	977.93	
40 05 19 00-1002 EA 36" Flanged x Grooved (F&G), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,349.52	1,461.45
For Class 52 Rating, Deduct	-674.87	
For Class 54 Rating, Add	460.14	
For Class 55 Rating, Add	1,022.74	
40 05 19 00-1003 EA 36" Flanged x Grooved (F&G), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,622.46	1,464.19
For Class 52 Rating, Deduct	-704.44	
For Class 54 Rating, Add	480.30	
For Class 55 Rating, Add	1,067.55	
40 05 19 00-1004 EA 36" Flanged x Grooved (F&G), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,895.41	1,466.92
For Class 52 Rating, Deduct	-734.01	
For Class 54 Rating, Add	500.46	
For Class 55 Rating, Add	1,112.36	
40 05 19 00-1005 EA 36" Flanged x Grooved (F&G), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,168.35	1,469.66
For Class 52 Rating, Deduct	-763.58	
For Class 54 Rating, Add	520.62	
For Class 55 Rating, Add	1,157.16	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1006	EA		36" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,441.30	1,472.39
			<i>For Class 52 Rating, Deduct</i>	-793.14	
			<i>For Class 54 Rating, Add</i>	540.78	
			<i>For Class 55 Rating, Add</i>	1,201.97	
40 05 19 00-1007	EA		36" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,714.25	1,475.13
			<i>For Class 52 Rating, Deduct</i>	-822.71	
			<i>For Class 54 Rating, Add</i>	560.94	
			<i>For Class 55 Rating, Add</i>	1,246.78	
40 05 19 00-1008	EA		36" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,987.19	1,477.87
			<i>For Class 52 Rating, Deduct</i>	-852.28	
			<i>For Class 54 Rating, Add</i>	581.10	
			<i>For Class 55 Rating, Add</i>	1,291.59	
40 05 19 00-1009	EA		36" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,260.15	1,480.60
			<i>For Class 52 Rating, Deduct</i>	-881.85	
			<i>For Class 54 Rating, Add</i>	601.26	
			<i>For Class 55 Rating, Add</i>	1,336.40	
40 05 19 00-1010	EA		36" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,533.09	1,483.35
			<i>For Class 52 Rating, Deduct</i>	-911.42	
			<i>For Class 54 Rating, Add</i>	621.42	
			<i>For Class 55 Rating, Add</i>	1,381.21	
40 05 19 00-1011	EA		36" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,806.04	1,486.08
			<i>For Class 52 Rating, Deduct</i>	-940.98	
			<i>For Class 54 Rating, Add</i>	641.58	
			<i>For Class 55 Rating, Add</i>	1,426.02	
40 05 19 00-1012	EA		36" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,078.98	1,488.82
			<i>For Class 52 Rating, Deduct</i>	-970.55	
			<i>For Class 54 Rating, Add</i>	661.74	
			<i>For Class 55 Rating, Add</i>	1,470.83	
40 05 19 00-1013	EA		36" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,351.93	1,491.55
			<i>For Class 52 Rating, Deduct</i>	-1,000.12	
			<i>For Class 54 Rating, Add</i>	681.90	
			<i>For Class 55 Rating, Add</i>	1,515.64	
40 05 19 00-1014	EA		36" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,624.87	1,494.29
			<i>For Class 52 Rating, Deduct</i>	-1,029.69	
			<i>For Class 54 Rating, Add</i>	702.06	
			<i>For Class 55 Rating, Add</i>	1,560.45	
40 05 19 00-1015	EA		36" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,897.82	1,497.03
			<i>For Class 52 Rating, Deduct</i>	-1,059.26	
			<i>For Class 54 Rating, Add</i>	722.22	
			<i>For Class 55 Rating, Add</i>	1,605.25	
40 05 19 00-1016	EA		36" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,170.76	1,499.76
			<i>For Class 52 Rating, Deduct</i>	-1,088.82	
			<i>For Class 54 Rating, Add</i>	742.38	
			<i>For Class 55 Rating, Add</i>	1,650.06	
40 05 19 00-1017	EA		36" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,443.72	1,502.50
			<i>For Class 52 Rating, Deduct</i>	-1,118.39	
			<i>For Class 54 Rating, Add</i>	762.54	
			<i>For Class 55 Rating, Add</i>	1,694.87	
40 05 19 00-1018	EA		36" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,716.66	1,505.23
			<i>For Class 52 Rating, Deduct</i>	-1,147.96	
			<i>For Class 54 Rating, Add</i>	782.70	
			<i>For Class 55 Rating, Add</i>	1,739.68	
40 05 19 00-1019	EA		36" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,989.61	1,507.97
			<i>For Class 52 Rating, Deduct</i>	-1,177.53	
			<i>For Class 54 Rating, Add</i>	802.86	
			<i>For Class 55 Rating, Add</i>	1,784.49	
40 05 19 00-1020	EA		36" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,262.56	1,510.71
			<i>For Class 52 Rating, Deduct</i>	-1,207.10	
			<i>For Class 54 Rating, Add</i>	823.02	
			<i>For Class 55 Rating, Add</i>	1,829.30	
40 05 19 00-1021	EA		36" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,535.50	1,513.45
			<i>For Class 52 Rating, Deduct</i>	-1,236.66	
			<i>For Class 54 Rating, Add</i>	843.18	
			<i>For Class 55 Rating, Add</i>	1,874.11	
40 05 19 00-1022	EA		36" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,808.45	1,516.19
			<i>For Class 52 Rating, Deduct</i>	-1,266.23	
			<i>For Class 54 Rating, Add</i>	863.34	
			<i>For Class 55 Rating, Add</i>	1,918.92	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1023 EA 36" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,081.39	1,518.92
<i>For Class 52 Rating, Deduct</i>	-1,295.80	
<i>For Class 54 Rating, Add</i>	883.50	
<i>For Class 55 Rating, Add</i>	1,963.73	
40 05 19 00-1024 EA 36" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,354.35	1,521.66
<i>For Class 52 Rating, Deduct</i>	-1,325.37	
<i>For Class 54 Rating, Add</i>	903.66	
<i>For Class 55 Rating, Add</i>	2,008.53	
40 05 19 00-1025 EA 36" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,627.29	1,524.39
<i>For Class 52 Rating, Deduct</i>	-1,354.94	
<i>For Class 54 Rating, Add</i>	923.82	
<i>For Class 55 Rating, Add</i>	2,053.34	
40 05 19 00-1026 EA 36" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,900.24	1,527.13
<i>For Class 52 Rating, Deduct</i>	-1,384.50	
<i>For Class 54 Rating, Add</i>	943.98	
<i>For Class 55 Rating, Add</i>	2,098.15	
40 05 19 00-1027 EA 36" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	15,173.18	1,529.86
<i>For Class 52 Rating, Deduct</i>	-1,414.07	
<i>For Class 54 Rating, Add</i>	964.14	
<i>For Class 55 Rating, Add</i>	2,142.96	
40 05 19 00-1028 Flanged End x Plain End (FxPE), Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <small>(40 05 19 00-0001)</small>		
40 05 19 00-1029 4" Flanged End x Plain End (FxPE), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <small>(40 05 19 00-1028)</small>		
40 05 19 00-1030 EA 4" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	318.80	133.84
<i>For Class 52 Rating, Deduct</i>	-12.76	
<i>For Class 54 Rating, Add</i>	8.70	
<i>For Class 55 Rating, Add</i>	19.34	
40 05 19 00-1031 EA 4" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	343.14	136.19
<i>For Class 52 Rating, Deduct</i>	-15.05	
<i>For Class 54 Rating, Add</i>	10.26	
<i>For Class 55 Rating, Add</i>	22.80	
40 05 19 00-1032 EA 4" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	367.49	138.53
<i>For Class 52 Rating, Deduct</i>	-17.34	
<i>For Class 54 Rating, Add</i>	11.82	
<i>For Class 55 Rating, Add</i>	26.27	
40 05 19 00-1033 EA 4" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	391.83	140.87
<i>For Class 52 Rating, Deduct</i>	-19.62	
<i>For Class 54 Rating, Add</i>	13.38	
<i>For Class 55 Rating, Add</i>	29.74	
40 05 19 00-1034 EA 4" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	416.18	143.21
<i>For Class 52 Rating, Deduct</i>	-21.91	
<i>For Class 54 Rating, Add</i>	14.94	
<i>For Class 55 Rating, Add</i>	33.21	
40 05 19 00-1035 EA 4" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	440.52	145.54
<i>For Class 52 Rating, Deduct</i>	-24.20	
<i>For Class 54 Rating, Add</i>	16.50	
<i>For Class 55 Rating, Add</i>	36.67	
40 05 19 00-1036 EA 4" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	464.87	147.89
<i>For Class 52 Rating, Deduct</i>	-26.49	
<i>For Class 54 Rating, Add</i>	18.06	
<i>For Class 55 Rating, Add</i>	40.14	
40 05 19 00-1037 EA 4" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	489.21	150.22
<i>For Class 52 Rating, Deduct</i>	-28.78	
<i>For Class 54 Rating, Add</i>	19.62	
<i>For Class 55 Rating, Add</i>	43.61	
40 05 19 00-1038 EA 4" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	513.56	152.56
<i>For Class 52 Rating, Deduct</i>	-31.06	
<i>For Class 54 Rating, Add</i>	21.18	
<i>For Class 55 Rating, Add</i>	47.08	
40 05 19 00-1039 EA 4" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	537.90	154.91
<i>For Class 52 Rating, Deduct</i>	-33.35	
<i>For Class 54 Rating, Add</i>	22.74	
<i>For Class 55 Rating, Add</i>	50.54	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1040	EA		4" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	562.24	157.24
			<i>For Class 52 Rating, Deduct</i>	-35.64	
			<i>For Class 54 Rating, Add</i>	24.30	
			<i>For Class 55 Rating, Add</i>	54.01	
40 05 19 00-1041	EA		4" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	586.59	159.59
			<i>For Class 52 Rating, Deduct</i>	-37.93	
			<i>For Class 54 Rating, Add</i>	25.86	
			<i>For Class 55 Rating, Add</i>	57.48	
40 05 19 00-1042	EA		4" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	610.93	161.93
			<i>For Class 52 Rating, Deduct</i>	-40.22	
			<i>For Class 54 Rating, Add</i>	27.42	
			<i>For Class 55 Rating, Add</i>	60.95	
40 05 19 00-1043	EA		4" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	635.28	164.27
			<i>For Class 52 Rating, Deduct</i>	-42.50	
			<i>For Class 54 Rating, Add</i>	28.98	
			<i>For Class 55 Rating, Add</i>	64.41	
40 05 19 00-1044	EA		4" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	659.62	166.61
			<i>For Class 52 Rating, Deduct</i>	-44.79	
			<i>For Class 54 Rating, Add</i>	30.54	
			<i>For Class 55 Rating, Add</i>	67.88	
40 05 19 00-1045	EA		4" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	683.97	168.94
			<i>For Class 52 Rating, Deduct</i>	-47.08	
			<i>For Class 54 Rating, Add</i>	32.10	
			<i>For Class 55 Rating, Add</i>	71.35	
40 05 19 00-1046	EA		4" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	708.31	171.28
			<i>For Class 52 Rating, Deduct</i>	-49.37	
			<i>For Class 54 Rating, Add</i>	33.66	
			<i>For Class 55 Rating, Add</i>	74.81	
40 05 19 00-1047	EA		4" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	732.66	173.62
			<i>For Class 52 Rating, Deduct</i>	-51.66	
			<i>For Class 54 Rating, Add</i>	35.22	
			<i>For Class 55 Rating, Add</i>	78.28	
40 05 19 00-1048	EA		4" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	757.01	175.96
			<i>For Class 52 Rating, Deduct</i>	-53.94	
			<i>For Class 54 Rating, Add</i>	36.78	
			<i>For Class 55 Rating, Add</i>	81.75	
40 05 19 00-1049	EA		4" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	781.35	178.31
			<i>For Class 52 Rating, Deduct</i>	-56.23	
			<i>For Class 54 Rating, Add</i>	38.34	
			<i>For Class 55 Rating, Add</i>	85.22	
40 05 19 00-1050	EA		4" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	805.70	180.65
			<i>For Class 52 Rating, Deduct</i>	-58.52	
			<i>For Class 54 Rating, Add</i>	39.90	
			<i>For Class 55 Rating, Add</i>	88.68	
40 05 19 00-1051	EA		4" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	830.04	182.98
			<i>For Class 52 Rating, Deduct</i>	-60.81	
			<i>For Class 54 Rating, Add</i>	41.46	
			<i>For Class 55 Rating, Add</i>	92.15	
40 05 19 00-1052	EA		4" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	854.39	185.33
			<i>For Class 52 Rating, Deduct</i>	-63.10	
			<i>For Class 54 Rating, Add</i>	43.02	
			<i>For Class 55 Rating, Add</i>	95.62	
40 05 19 00-1053	EA		4" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	878.73	187.67
			<i>For Class 52 Rating, Deduct</i>	-65.38	
			<i>For Class 54 Rating, Add</i>	44.58	
			<i>For Class 55 Rating, Add</i>	99.09	
40 05 19 00-1054	EA		4" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	903.08	190.00
			<i>For Class 52 Rating, Deduct</i>	-67.67	
			<i>For Class 54 Rating, Add</i>	46.14	
			<i>For Class 55 Rating, Add</i>	102.55	
40 05 19 00-1055	EA		4" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	927.42	192.34
			<i>For Class 52 Rating, Deduct</i>	-69.96	
			<i>For Class 54 Rating, Add</i>	47.70	
			<i>For Class 55 Rating, Add</i>	106.02	
40 05 19 00-1056	EA		4" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	951.77	194.68
			<i>For Class 52 Rating, Deduct</i>	-72.25	
			<i>For Class 54 Rating, Add</i>	49.26	
			<i>For Class 55 Rating, Add</i>	109.49	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1057 EA 4" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	976.11	197.03
<i>For Class 52 Rating, Deduct</i>	-74.54	
<i>For Class 54 Rating, Add</i>	50.82	
<i>For Class 55 Rating, Add</i>	112.96	
40 05 19 00-1058 EA 4" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,000.46	199.36
<i>For Class 52 Rating, Deduct</i>	-76.82	
<i>For Class 54 Rating, Add</i>	52.38	
<i>For Class 55 Rating, Add</i>	116.42	
40 05 19 00-1059 EA 4" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,024.81	201.70
<i>For Class 52 Rating, Deduct</i>	-79.11	
<i>For Class 54 Rating, Add</i>	53.94	
<i>For Class 55 Rating, Add</i>	119.89	
40 05 19 00-1060 EA 4" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,049.15	204.05
<i>For Class 52 Rating, Deduct</i>	-81.40	
<i>For Class 54 Rating, Add</i>	55.50	
<i>For Class 55 Rating, Add</i>	123.36	
40 05 19 00-1061 EA 4" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,073.50	206.39
<i>For Class 52 Rating, Deduct</i>	-83.69	
<i>For Class 54 Rating, Add</i>	57.06	
<i>For Class 55 Rating, Add</i>	126.83	
40 05 19 00-1062 EA 4" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,097.84	208.73
<i>For Class 52 Rating, Deduct</i>	-85.98	
<i>For Class 54 Rating, Add</i>	58.62	
<i>For Class 55 Rating, Add</i>	130.29	
40 05 19 00-1063 EA 4" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,122.19	211.07
<i>For Class 52 Rating, Deduct</i>	-88.26	
<i>For Class 54 Rating, Add</i>	60.18	
<i>For Class 55 Rating, Add</i>	133.76	
40 05 19 00-1064 EA 4" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,146.53	213.40
<i>For Class 52 Rating, Deduct</i>	-90.55	
<i>For Class 54 Rating, Add</i>	61.74	
<i>For Class 55 Rating, Add</i>	137.23	
40 05 19 00-1065 EA 4" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,170.88	215.74
<i>For Class 52 Rating, Deduct</i>	-92.84	
<i>For Class 54 Rating, Add</i>	63.30	
<i>For Class 55 Rating, Add</i>	140.69	
40 05 19 00-1066 EA 4" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,195.22	218.08
<i>For Class 52 Rating, Deduct</i>	-95.13	
<i>For Class 54 Rating, Add</i>	64.86	
<i>For Class 55 Rating, Add</i>	144.16	
40 05 19 00-1067 EA 4" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,219.57	220.42
<i>For Class 52 Rating, Deduct</i>	-97.42	
<i>For Class 54 Rating, Add</i>	66.42	
<i>For Class 55 Rating, Add</i>	147.63	
40 05 19 00-1068 EA 4" Flanged x Plain End (FxPE), 20'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,243.91	222.77
<i>For Class 52 Rating, Deduct</i>	-99.70	
<i>For Class 54 Rating, Add</i>	67.98	
<i>For Class 55 Rating, Add</i>	151.10	
40 05 19 00-1069 6" Flanged End x Plain End (FxPE), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <small>(40 05 19 00-1028)</small>		
40 05 19 00-1070 EA 6" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	400.06	168.47
<i>For Class 52 Rating, Deduct</i>	-15.93	
<i>For Class 54 Rating, Add</i>	10.86	
<i>For Class 55 Rating, Add</i>	24.14	
40 05 19 00-1071 EA 6" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	429.21	170.82
<i>For Class 52 Rating, Deduct</i>	-18.74	
<i>For Class 54 Rating, Add</i>	12.78	
<i>For Class 55 Rating, Add</i>	28.41	
40 05 19 00-1072 EA 6" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	458.35	173.15
<i>For Class 52 Rating, Deduct</i>	-21.56	
<i>For Class 54 Rating, Add</i>	14.70	
<i>For Class 55 Rating, Add</i>	32.67	
40 05 19 00-1073 EA 6" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	487.50	175.50
<i>For Class 52 Rating, Deduct</i>	-24.38	
<i>For Class 54 Rating, Add</i>	16.62	
<i>For Class 55 Rating, Add</i>	36.94	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1074	EA		6" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	516.65	177.84
			<i>For Class 52 Rating, Deduct</i>	-27.19	
			<i>For Class 54 Rating, Add</i>	18.54	
			<i>For Class 55 Rating, Add</i>	41.21	
40 05 19 00-1075	EA		6" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	545.79	180.17
			<i>For Class 52 Rating, Deduct</i>	-30.01	
			<i>For Class 54 Rating, Add</i>	20.46	
			<i>For Class 55 Rating, Add</i>	45.48	
40 05 19 00-1076	EA		6" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	574.94	182.52
			<i>For Class 52 Rating, Deduct</i>	-32.82	
			<i>For Class 54 Rating, Add</i>	22.38	
			<i>For Class 55 Rating, Add</i>	49.74	
40 05 19 00-1077	EA		6" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	604.08	184.86
			<i>For Class 52 Rating, Deduct</i>	-35.64	
			<i>For Class 54 Rating, Add</i>	24.30	
			<i>For Class 55 Rating, Add</i>	54.01	
40 05 19 00-1078	EA		6" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	633.23	187.20
			<i>For Class 52 Rating, Deduct</i>	-38.46	
			<i>For Class 54 Rating, Add</i>	26.22	
			<i>For Class 55 Rating, Add</i>	58.28	
40 05 19 00-1079	EA		6" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	662.37	189.54
			<i>For Class 52 Rating, Deduct</i>	-41.27	
			<i>For Class 54 Rating, Add</i>	28.14	
			<i>For Class 55 Rating, Add</i>	62.55	
40 05 19 00-1080	EA		6" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	691.52	191.87
			<i>For Class 52 Rating, Deduct</i>	-44.09	
			<i>For Class 54 Rating, Add</i>	30.06	
			<i>For Class 55 Rating, Add</i>	66.81	
40 05 19 00-1081	EA		6" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	720.66	194.22
			<i>For Class 52 Rating, Deduct</i>	-46.90	
			<i>For Class 54 Rating, Add</i>	31.98	
			<i>For Class 55 Rating, Add</i>	71.08	
40 05 19 00-1082	EA		6" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	749.81	196.55
			<i>For Class 52 Rating, Deduct</i>	-49.72	
			<i>For Class 54 Rating, Add</i>	33.90	
			<i>For Class 55 Rating, Add</i>	75.35	
40 05 19 00-1083	EA		6" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	778.95	198.89
			<i>For Class 52 Rating, Deduct</i>	-52.54	
			<i>For Class 54 Rating, Add</i>	35.82	
			<i>For Class 55 Rating, Add</i>	79.62	
40 05 19 00-1084	EA		6" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	808.10	201.24
			<i>For Class 52 Rating, Deduct</i>	-55.35	
			<i>For Class 54 Rating, Add</i>	37.74	
			<i>For Class 55 Rating, Add</i>	83.88	
40 05 19 00-1085	EA		6" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	837.25	203.58
			<i>For Class 52 Rating, Deduct</i>	-58.17	
			<i>For Class 54 Rating, Add</i>	39.66	
			<i>For Class 55 Rating, Add</i>	88.15	
40 05 19 00-1086	EA		6" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	866.39	205.92
			<i>For Class 52 Rating, Deduct</i>	-60.98	
			<i>For Class 54 Rating, Add</i>	41.58	
			<i>For Class 55 Rating, Add</i>	92.42	
40 05 19 00-1087	EA		6" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	895.54	208.26
			<i>For Class 52 Rating, Deduct</i>	-63.80	
			<i>For Class 54 Rating, Add</i>	43.50	
			<i>For Class 55 Rating, Add</i>	96.69	
40 05 19 00-1088	EA		6" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	924.68	210.60
			<i>For Class 52 Rating, Deduct</i>	-66.62	
			<i>For Class 54 Rating, Add</i>	45.42	
			<i>For Class 55 Rating, Add</i>	100.95	
40 05 19 00-1089	EA		6" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	953.83	212.94
			<i>For Class 52 Rating, Deduct</i>	-69.43	
			<i>For Class 54 Rating, Add</i>	47.34	
			<i>For Class 55 Rating, Add</i>	105.22	
40 05 19 00-1090	EA		6" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	982.97	215.27
			<i>For Class 52 Rating, Deduct</i>	-72.25	
			<i>For Class 54 Rating, Add</i>	49.26	
			<i>For Class 55 Rating, Add</i>	109.49	



Process Interconnections	40
Common Work Results For Process Interconnections	
40 05	40
Ductile Iron Process Pipe 40 05 19	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1091 EA 6" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,012.12	217.61
For Class 52 Rating, Deduct	-75.06	
For Class 54 Rating, Add	51.18	
For Class 55 Rating, Add	113.76	
40 05 19 00-1092 EA 6" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,041.26	219.96
For Class 52 Rating, Deduct	-77.88	
For Class 54 Rating, Add	53.10	
For Class 55 Rating, Add	118.02	
40 05 19 00-1093 EA 6" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,070.41	222.29
For Class 52 Rating, Deduct	-80.70	
For Class 54 Rating, Add	55.02	
For Class 55 Rating, Add	122.29	
40 05 19 00-1094 EA 6" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,099.55	224.64
For Class 52 Rating, Deduct	-83.51	
For Class 54 Rating, Add	56.94	
For Class 55 Rating, Add	126.56	
40 05 19 00-1095 EA 6" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,128.70	226.98
For Class 52 Rating, Deduct	-86.33	
For Class 54 Rating, Add	58.86	
For Class 55 Rating, Add	130.83	
40 05 19 00-1096 EA 6" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,157.85	229.32
For Class 52 Rating, Deduct	-89.14	
For Class 54 Rating, Add	60.78	
For Class 55 Rating, Add	135.09	
40 05 19 00-1097 EA 6" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,186.99	231.66
For Class 52 Rating, Deduct	-91.96	
For Class 54 Rating, Add	62.70	
For Class 55 Rating, Add	139.36	
40 05 19 00-1098 EA 6" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,216.14	234.00
For Class 52 Rating, Deduct	-94.78	
For Class 54 Rating, Add	64.62	
For Class 55 Rating, Add	143.63	
40 05 19 00-1099 EA 6" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,245.28	236.33
For Class 52 Rating, Deduct	-97.59	
For Class 54 Rating, Add	66.54	
For Class 55 Rating, Add	147.90	
40 05 19 00-1100 EA 6" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,274.43	238.67
For Class 52 Rating, Deduct	-100.41	
For Class 54 Rating, Add	68.46	
For Class 55 Rating, Add	152.16	
40 05 19 00-1101 EA 6" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,303.57	241.01
For Class 52 Rating, Deduct	-103.22	
For Class 54 Rating, Add	70.38	
For Class 55 Rating, Add	156.43	
40 05 19 00-1102 EA 6" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,332.72	243.36
For Class 52 Rating, Deduct	-106.04	
For Class 54 Rating, Add	72.30	
For Class 55 Rating, Add	160.70	
40 05 19 00-1103 EA 6" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,361.86	245.70
For Class 52 Rating, Deduct	-108.86	
For Class 54 Rating, Add	74.22	
For Class 55 Rating, Add	164.97	
40 05 19 00-1104 EA 6" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,391.01	248.03
For Class 52 Rating, Deduct	-111.67	
For Class 54 Rating, Add	76.14	
For Class 55 Rating, Add	169.23	
40 05 19 00-1105 EA 6" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,420.15	250.38
For Class 52 Rating, Deduct	-114.49	
For Class 54 Rating, Add	78.06	
For Class 55 Rating, Add	173.50	
40 05 19 00-1106 EA 6" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,449.30	252.72
For Class 52 Rating, Deduct	-117.30	
For Class 54 Rating, Add	79.98	
For Class 55 Rating, Add	177.77	
40 05 19 00-1107 EA 6" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,478.45	255.05
For Class 52 Rating, Deduct	-120.12	
For Class 54 Rating, Add	81.90	
For Class 55 Rating, Add	182.04	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1108	EA		6" Flanged x Plain End (FxPE), 20'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,507.59	257.39
			<i>For Class 52 Rating, Deduct</i>	-122.94	
			<i>For Class 54 Rating, Add</i>	83.82	
			<i>For Class 55 Rating, Add</i>	186.30	
40 05 19 00-1109			8" Flanged End x Plain End (FxPE), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <small>(40 05 19 00-1028)</small>		
40 05 19 00-1110	EA		8" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	536.57	215.27
			<i>For Class 52 Rating, Deduct</i>	-23.14	
			<i>For Class 54 Rating, Add</i>	15.78	
			<i>For Class 55 Rating, Add</i>	35.07	
40 05 19 00-1111	EA		8" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	575.32	217.61
			<i>For Class 52 Rating, Deduct</i>	-27.02	
			<i>For Class 54 Rating, Add</i>	18.42	
			<i>For Class 55 Rating, Add</i>	40.94	
40 05 19 00-1112	EA		8" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	614.06	219.96
			<i>For Class 52 Rating, Deduct</i>	-30.89	
			<i>For Class 54 Rating, Add</i>	21.06	
			<i>For Class 55 Rating, Add</i>	46.81	
40 05 19 00-1113	EA		8" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	652.81	222.29
			<i>For Class 52 Rating, Deduct</i>	-34.76	
			<i>For Class 54 Rating, Add</i>	23.70	
			<i>For Class 55 Rating, Add</i>	52.68	
40 05 19 00-1114	EA		8" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	691.55	224.64
			<i>For Class 52 Rating, Deduct</i>	-38.63	
			<i>For Class 54 Rating, Add</i>	26.34	
			<i>For Class 55 Rating, Add</i>	58.55	
40 05 19 00-1115	EA		8" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	730.30	226.98
			<i>For Class 52 Rating, Deduct</i>	-42.50	
			<i>For Class 54 Rating, Add</i>	28.98	
			<i>For Class 55 Rating, Add</i>	64.41	
40 05 19 00-1116	EA		8" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	769.05	229.32
			<i>For Class 52 Rating, Deduct</i>	-46.38	
			<i>For Class 54 Rating, Add</i>	31.62	
			<i>For Class 55 Rating, Add</i>	70.28	
40 05 19 00-1117	EA		8" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	807.79	231.66
			<i>For Class 52 Rating, Deduct</i>	-50.25	
			<i>For Class 54 Rating, Add</i>	34.26	
			<i>For Class 55 Rating, Add</i>	76.15	
40 05 19 00-1118	EA		8" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	846.54	234.00
			<i>For Class 52 Rating, Deduct</i>	-54.12	
			<i>For Class 54 Rating, Add</i>	36.90	
			<i>For Class 55 Rating, Add</i>	82.02	
40 05 19 00-1119	EA		8" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	885.28	236.33
			<i>For Class 52 Rating, Deduct</i>	-57.99	
			<i>For Class 54 Rating, Add</i>	39.54	
			<i>For Class 55 Rating, Add</i>	87.88	
40 05 19 00-1120	EA		8" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	924.03	238.67
			<i>For Class 52 Rating, Deduct</i>	-61.86	
			<i>For Class 54 Rating, Add</i>	42.18	
			<i>For Class 55 Rating, Add</i>	93.75	
40 05 19 00-1121	EA		8" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	962.77	241.01
			<i>For Class 52 Rating, Deduct</i>	-65.74	
			<i>For Class 54 Rating, Add</i>	44.82	
			<i>For Class 55 Rating, Add</i>	99.62	
40 05 19 00-1122	EA		8" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,001.52	243.36
			<i>For Class 52 Rating, Deduct</i>	-69.61	
			<i>For Class 54 Rating, Add</i>	47.46	
			<i>For Class 55 Rating, Add</i>	105.49	
40 05 19 00-1123	EA		8" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,040.26	245.70
			<i>For Class 52 Rating, Deduct</i>	-73.48	
			<i>For Class 54 Rating, Add</i>	50.10	
			<i>For Class 55 Rating, Add</i>	111.36	
40 05 19 00-1124	EA		8" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,079.01	248.03
			<i>For Class 52 Rating, Deduct</i>	-77.35	
			<i>For Class 54 Rating, Add</i>	52.74	
			<i>For Class 55 Rating, Add</i>	117.22	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1125 EA 8" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,117.75	250.38
<i>For Class 52 Rating, Deduct</i>	-81.22	
<i>For Class 54 Rating, Add</i>	55.38	
<i>For Class 55 Rating, Add</i>	123.09	
40 05 19 00-1126 EA 8" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,156.50	252.72
<i>For Class 52 Rating, Deduct</i>	-85.10	
<i>For Class 54 Rating, Add</i>	58.02	
<i>For Class 55 Rating, Add</i>	128.96	
40 05 19 00-1127 EA 8" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,195.25	255.05
<i>For Class 52 Rating, Deduct</i>	-88.97	
<i>For Class 54 Rating, Add</i>	60.66	
<i>For Class 55 Rating, Add</i>	134.83	
40 05 19 00-1128 EA 8" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,233.99	257.39
<i>For Class 52 Rating, Deduct</i>	-92.84	
<i>For Class 54 Rating, Add</i>	63.30	
<i>For Class 55 Rating, Add</i>	140.69	
40 05 19 00-1129 EA 8" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,272.74	259.73
<i>For Class 52 Rating, Deduct</i>	-96.71	
<i>For Class 54 Rating, Add</i>	65.94	
<i>For Class 55 Rating, Add</i>	146.56	
40 05 19 00-1130 EA 8" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,311.48	262.08
<i>For Class 52 Rating, Deduct</i>	-100.58	
<i>For Class 54 Rating, Add</i>	68.58	
<i>For Class 55 Rating, Add</i>	152.43	
40 05 19 00-1131 EA 8" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,350.23	264.41
<i>For Class 52 Rating, Deduct</i>	-104.46	
<i>For Class 54 Rating, Add</i>	71.22	
<i>For Class 55 Rating, Add</i>	158.30	
40 05 19 00-1132 EA 8" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,388.97	266.75
<i>For Class 52 Rating, Deduct</i>	-108.33	
<i>For Class 54 Rating, Add</i>	73.86	
<i>For Class 55 Rating, Add</i>	164.17	
40 05 19 00-1133 EA 8" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,427.72	269.10
<i>For Class 52 Rating, Deduct</i>	-112.20	
<i>For Class 54 Rating, Add</i>	76.50	
<i>For Class 55 Rating, Add</i>	170.03	
40 05 19 00-1134 EA 8" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,466.46	271.44
<i>For Class 52 Rating, Deduct</i>	-116.07	
<i>For Class 54 Rating, Add</i>	79.14	
<i>For Class 55 Rating, Add</i>	175.90	
40 05 19 00-1135 EA 8" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,505.21	273.78
<i>For Class 52 Rating, Deduct</i>	-119.94	
<i>For Class 54 Rating, Add</i>	81.78	
<i>For Class 55 Rating, Add</i>	181.77	
40 05 19 00-1136 EA 8" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,543.95	276.12
<i>For Class 52 Rating, Deduct</i>	-123.82	
<i>For Class 54 Rating, Add</i>	84.42	
<i>For Class 55 Rating, Add</i>	187.64	
40 05 19 00-1137 EA 8" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,582.70	278.46
<i>For Class 52 Rating, Deduct</i>	-127.69	
<i>For Class 54 Rating, Add</i>	87.06	
<i>For Class 55 Rating, Add</i>	193.51	
40 05 19 00-1138 EA 8" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,621.45	280.79
<i>For Class 52 Rating, Deduct</i>	-131.56	
<i>For Class 54 Rating, Add</i>	89.70	
<i>For Class 55 Rating, Add</i>	199.37	
40 05 19 00-1139 EA 8" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,660.19	283.13
<i>For Class 52 Rating, Deduct</i>	-135.43	
<i>For Class 54 Rating, Add</i>	92.34	
<i>For Class 55 Rating, Add</i>	205.24	
40 05 19 00-1140 EA 8" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,698.94	285.47
<i>For Class 52 Rating, Deduct</i>	-139.30	
<i>For Class 54 Rating, Add</i>	94.98	
<i>For Class 55 Rating, Add</i>	211.11	
40 05 19 00-1141 EA 8" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,737.68	287.82
<i>For Class 52 Rating, Deduct</i>	-143.18	
<i>For Class 54 Rating, Add</i>	97.62	
<i>For Class 55 Rating, Add</i>	216.98	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1142	EA		8" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,776.43	290.15
			<i>For Class 52 Rating, Deduct</i>	-147.05	
			<i>For Class 54 Rating, Add</i>	100.26	
			<i>For Class 55 Rating, Add</i>	222.84	
40 05 19 00-1143	EA		8" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,815.17	292.50
			<i>For Class 52 Rating, Deduct</i>	-150.92	
			<i>For Class 54 Rating, Add</i>	102.90	
			<i>For Class 55 Rating, Add</i>	228.71	
40 05 19 00-1144	EA		8" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,853.92	294.84
			<i>For Class 52 Rating, Deduct</i>	-154.79	
			<i>For Class 54 Rating, Add</i>	105.54	
			<i>For Class 55 Rating, Add</i>	234.58	
40 05 19 00-1145	EA		8" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,892.66	297.17
			<i>For Class 52 Rating, Deduct</i>	-158.66	
			<i>For Class 54 Rating, Add</i>	108.18	
			<i>For Class 55 Rating, Add</i>	240.45	
40 05 19 00-1146	EA		8" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,931.41	299.52
			<i>For Class 52 Rating, Deduct</i>	-162.54	
			<i>For Class 54 Rating, Add</i>	110.82	
			<i>For Class 55 Rating, Add</i>	246.32	
40 05 19 00-1147	EA		8" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,970.16	301.85
			<i>For Class 52 Rating, Deduct</i>	-166.41	
			<i>For Class 54 Rating, Add</i>	113.46	
			<i>For Class 55 Rating, Add</i>	252.18	
40 05 19 00-1148	EA		8" Flanged x Plain End (FxPE), 20'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,008.90	304.19
			<i>For Class 52 Rating, Deduct</i>	-170.28	
			<i>For Class 54 Rating, Add</i>	116.10	
			<i>For Class 55 Rating, Add</i>	258.05	
40 05 19 00-1149			10" Flanged End x Plain End (FxPE), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe (40 05 19 00-1028)		
40 05 19 00-1150	EA		10" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	668.28	262.08
			<i>For Class 52 Rating, Deduct</i>	-29.83	
			<i>For Class 54 Rating, Add</i>	20.34	
			<i>For Class 55 Rating, Add</i>	45.21	
40 05 19 00-1151	EA		10" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	718.23	264.41
			<i>For Class 52 Rating, Deduct</i>	-34.94	
			<i>For Class 54 Rating, Add</i>	23.82	
			<i>For Class 55 Rating, Add</i>	52.94	
40 05 19 00-1152	EA		10" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	768.17	266.75
			<i>For Class 52 Rating, Deduct</i>	-40.04	
			<i>For Class 54 Rating, Add</i>	27.30	
			<i>For Class 55 Rating, Add</i>	60.68	
40 05 19 00-1153	EA		10" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	818.12	269.10
			<i>For Class 52 Rating, Deduct</i>	-45.14	
			<i>For Class 54 Rating, Add</i>	30.78	
			<i>For Class 55 Rating, Add</i>	68.41	
40 05 19 00-1154	EA		10" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	868.06	271.44
			<i>For Class 52 Rating, Deduct</i>	-50.25	
			<i>For Class 54 Rating, Add</i>	34.26	
			<i>For Class 55 Rating, Add</i>	76.15	
40 05 19 00-1155	EA		10" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	918.01	273.78
			<i>For Class 52 Rating, Deduct</i>	-55.35	
			<i>For Class 54 Rating, Add</i>	37.74	
			<i>For Class 55 Rating, Add</i>	83.88	
40 05 19 00-1156	EA		10" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	967.95	276.12
			<i>For Class 52 Rating, Deduct</i>	-60.46	
			<i>For Class 54 Rating, Add</i>	41.22	
			<i>For Class 55 Rating, Add</i>	91.62	
40 05 19 00-1157	EA		10" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,017.90	278.46
			<i>For Class 52 Rating, Deduct</i>	-65.56	
			<i>For Class 54 Rating, Add</i>	44.70	
			<i>For Class 55 Rating, Add</i>	99.35	
40 05 19 00-1158	EA		10" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,067.85	280.79
			<i>For Class 52 Rating, Deduct</i>	-70.66	
			<i>For Class 54 Rating, Add</i>	48.18	
			<i>For Class 55 Rating, Add</i>	107.09	



Process Interconnections	40
Common Work Results For Process Interconnections	
Ductile Iron Process Pipe	40 05 19

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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1159 EA 10" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,117.79	283.13
<i>For Class 52 Rating, Deduct</i>	-75.77	
<i>For Class 54 Rating, Add</i>	51.66	
<i>For Class 55 Rating, Add</i>	114.82	
40 05 19 00-1160 EA 10" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,167.74	285.47
<i>For Class 52 Rating, Deduct</i>	-80.87	
<i>For Class 54 Rating, Add</i>	55.14	
<i>For Class 55 Rating, Add</i>	122.56	
40 05 19 00-1161 EA 10" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,217.68	287.82
<i>For Class 52 Rating, Deduct</i>	-85.98	
<i>For Class 54 Rating, Add</i>	58.62	
<i>For Class 55 Rating, Add</i>	130.29	
40 05 19 00-1162 EA 10" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,267.63	290.15
<i>For Class 52 Rating, Deduct</i>	-91.08	
<i>For Class 54 Rating, Add</i>	62.10	
<i>For Class 55 Rating, Add</i>	138.03	
40 05 19 00-1163 EA 10" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,317.57	292.50
<i>For Class 52 Rating, Deduct</i>	-96.18	
<i>For Class 54 Rating, Add</i>	65.58	
<i>For Class 55 Rating, Add</i>	145.76	
40 05 19 00-1164 EA 10" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,367.52	294.84
<i>For Class 52 Rating, Deduct</i>	-101.29	
<i>For Class 54 Rating, Add</i>	69.06	
<i>For Class 55 Rating, Add</i>	153.50	
40 05 19 00-1165 EA 10" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,417.46	297.17
<i>For Class 52 Rating, Deduct</i>	-106.39	
<i>For Class 54 Rating, Add</i>	72.54	
<i>For Class 55 Rating, Add</i>	161.23	
40 05 19 00-1166 EA 10" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,467.41	299.52
<i>For Class 52 Rating, Deduct</i>	-111.50	
<i>For Class 54 Rating, Add</i>	76.02	
<i>For Class 55 Rating, Add</i>	168.97	
40 05 19 00-1167 EA 10" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,517.36	301.85
<i>For Class 52 Rating, Deduct</i>	-116.60	
<i>For Class 54 Rating, Add</i>	79.50	
<i>For Class 55 Rating, Add</i>	176.70	
40 05 19 00-1168 EA 10" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,567.30	304.19
<i>For Class 52 Rating, Deduct</i>	-121.70	
<i>For Class 54 Rating, Add</i>	82.98	
<i>For Class 55 Rating, Add</i>	184.44	
40 05 19 00-1169 EA 10" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,617.25	306.53
<i>For Class 52 Rating, Deduct</i>	-126.81	
<i>For Class 54 Rating, Add</i>	86.46	
<i>For Class 55 Rating, Add</i>	192.17	
40 05 19 00-1170 EA 10" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,667.19	308.87
<i>For Class 52 Rating, Deduct</i>	-131.91	
<i>For Class 54 Rating, Add</i>	89.94	
<i>For Class 55 Rating, Add</i>	199.91	
40 05 19 00-1171 EA 10" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,717.14	311.22
<i>For Class 52 Rating, Deduct</i>	-137.02	
<i>For Class 54 Rating, Add</i>	93.42	
<i>For Class 55 Rating, Add</i>	207.64	
40 05 19 00-1172 EA 10" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,767.08	313.55
<i>For Class 52 Rating, Deduct</i>	-142.12	
<i>For Class 54 Rating, Add</i>	96.90	
<i>For Class 55 Rating, Add</i>	215.38	
40 05 19 00-1173 EA 10" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,817.03	315.89
<i>For Class 52 Rating, Deduct</i>	-147.22	
<i>For Class 54 Rating, Add</i>	100.38	
<i>For Class 55 Rating, Add</i>	223.11	
40 05 19 00-1174 EA 10" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,866.97	318.24
<i>For Class 52 Rating, Deduct</i>	-152.33	
<i>For Class 54 Rating, Add</i>	103.86	
<i>For Class 55 Rating, Add</i>	230.85	
40 05 19 00-1175 EA 10" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,916.92	320.58
<i>For Class 52 Rating, Deduct</i>	-157.43	
<i>For Class 54 Rating, Add</i>	107.34	
<i>For Class 55 Rating, Add</i>	238.58	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1176	EA		10" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,966.86	322.92
			<i>For Class 52 Rating, Deduct</i>	-162.54	
			<i>For Class 54 Rating, Add</i>	110.82	
			<i>For Class 55 Rating, Add</i>	246.32	
40 05 19 00-1177	EA		10" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,016.81	325.25
			<i>For Class 52 Rating, Deduct</i>	-167.64	
			<i>For Class 54 Rating, Add</i>	114.30	
			<i>For Class 55 Rating, Add</i>	254.05	
40 05 19 00-1178	EA		10" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,066.76	327.59
			<i>For Class 52 Rating, Deduct</i>	-172.74	
			<i>For Class 54 Rating, Add</i>	117.78	
			<i>For Class 55 Rating, Add</i>	261.79	
40 05 19 00-1179	EA		10" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,116.70	329.94
			<i>For Class 52 Rating, Deduct</i>	-177.85	
			<i>For Class 54 Rating, Add</i>	121.26	
			<i>For Class 55 Rating, Add</i>	269.52	
40 05 19 00-1180	EA		10" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,166.65	332.27
			<i>For Class 52 Rating, Deduct</i>	-182.95	
			<i>For Class 54 Rating, Add</i>	124.74	
			<i>For Class 55 Rating, Add</i>	277.26	
40 05 19 00-1181	EA		10" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,216.59	334.61
			<i>For Class 52 Rating, Deduct</i>	-188.06	
			<i>For Class 54 Rating, Add</i>	128.22	
			<i>For Class 55 Rating, Add</i>	284.99	
40 05 19 00-1182	EA		10" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,266.54	336.96
			<i>For Class 52 Rating, Deduct</i>	-193.16	
			<i>For Class 54 Rating, Add</i>	131.70	
			<i>For Class 55 Rating, Add</i>	292.73	
40 05 19 00-1183	EA		10" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,316.48	339.29
			<i>For Class 52 Rating, Deduct</i>	-198.26	
			<i>For Class 54 Rating, Add</i>	135.18	
			<i>For Class 55 Rating, Add</i>	300.46	
40 05 19 00-1184	EA		10" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,366.43	341.64
			<i>For Class 52 Rating, Deduct</i>	-203.37	
			<i>For Class 54 Rating, Add</i>	138.66	
			<i>For Class 55 Rating, Add</i>	308.19	
40 05 19 00-1185	EA		10" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,416.37	343.98
			<i>For Class 52 Rating, Deduct</i>	-208.47	
			<i>For Class 54 Rating, Add</i>	142.14	
			<i>For Class 55 Rating, Add</i>	315.93	
40 05 19 00-1186	EA		10" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,466.32	346.32
			<i>For Class 52 Rating, Deduct</i>	-213.58	
			<i>For Class 54 Rating, Add</i>	145.62	
			<i>For Class 55 Rating, Add</i>	323.66	
40 05 19 00-1187	EA		10" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,516.26	348.65
			<i>For Class 52 Rating, Deduct</i>	-218.68	
			<i>For Class 54 Rating, Add</i>	149.10	
			<i>For Class 55 Rating, Add</i>	331.40	
40 05 19 00-1188	EA		10" Flanged x Plain End (FxPE), 20'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,566.21	350.99
			<i>For Class 52 Rating, Deduct</i>	-223.78	
			<i>For Class 54 Rating, Add</i>	152.58	
			<i>For Class 55 Rating, Add</i>	339.13	
40 05 19 00-1189			12" Flanged End x Plain End (FxPE), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <small>(40 05 19 00-1028)</small>		
40 05 19 00-1190	EA		12" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	857.96	327.59
			<i>For Class 52 Rating, Deduct</i>	-39.78	
			<i>For Class 54 Rating, Add</i>	27.12	
			<i>For Class 55 Rating, Add</i>	60.28	
40 05 19 00-1191	EA		12" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	919.90	329.94
			<i>For Class 52 Rating, Deduct</i>	-46.20	
			<i>For Class 54 Rating, Add</i>	31.50	
			<i>For Class 55 Rating, Add</i>	70.01	
40 05 19 00-1192	EA		12" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	981.85	332.27
			<i>For Class 52 Rating, Deduct</i>	-52.62	
			<i>For Class 54 Rating, Add</i>	35.88	
			<i>For Class 55 Rating, Add</i>	79.75	



Process Interconnections	40
Common Work Results For Process Interconnections	
Ductile Iron Process Pipe	40 05 19

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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1193 EA 12" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,043.79	334.61
<i>For Class 52 Rating, Deduct</i>	-59.05	
<i>For Class 54 Rating, Add</i>	40.26	
<i>For Class 55 Rating, Add</i>	89.48	
40 05 19 00-1194 EA 12" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,105.74	336.96
<i>For Class 52 Rating, Deduct</i>	-65.47	
<i>For Class 54 Rating, Add</i>	44.64	
<i>For Class 55 Rating, Add</i>	99.22	
40 05 19 00-1195 EA 12" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,167.68	339.29
<i>For Class 52 Rating, Deduct</i>	-71.90	
<i>For Class 54 Rating, Add</i>	49.02	
<i>For Class 55 Rating, Add</i>	108.96	
40 05 19 00-1196 EA 12" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,229.63	341.64
<i>For Class 52 Rating, Deduct</i>	-78.32	
<i>For Class 54 Rating, Add</i>	53.40	
<i>For Class 55 Rating, Add</i>	118.69	
40 05 19 00-1197 EA 12" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,291.57	343.98
<i>For Class 52 Rating, Deduct</i>	-84.74	
<i>For Class 54 Rating, Add</i>	57.78	
<i>For Class 55 Rating, Add</i>	128.43	
40 05 19 00-1198 EA 12" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,353.52	346.32
<i>For Class 52 Rating, Deduct</i>	-91.17	
<i>For Class 54 Rating, Add</i>	62.16	
<i>For Class 55 Rating, Add</i>	138.16	
40 05 19 00-1199 EA 12" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,415.46	348.65
<i>For Class 52 Rating, Deduct</i>	-97.59	
<i>For Class 54 Rating, Add</i>	66.54	
<i>For Class 55 Rating, Add</i>	147.90	
40 05 19 00-1200 EA 12" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,477.41	350.99
<i>For Class 52 Rating, Deduct</i>	-104.02	
<i>For Class 54 Rating, Add</i>	70.92	
<i>For Class 55 Rating, Add</i>	157.63	
40 05 19 00-1201 EA 12" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,539.36	353.33
<i>For Class 52 Rating, Deduct</i>	-110.44	
<i>For Class 54 Rating, Add</i>	75.30	
<i>For Class 55 Rating, Add</i>	167.37	
40 05 19 00-1202 EA 12" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,601.30	355.67
<i>For Class 52 Rating, Deduct</i>	-116.86	
<i>For Class 54 Rating, Add</i>	79.68	
<i>For Class 55 Rating, Add</i>	177.10	
40 05 19 00-1203 EA 12" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,663.25	358.01
<i>For Class 52 Rating, Deduct</i>	-123.29	
<i>For Class 54 Rating, Add</i>	84.06	
<i>For Class 55 Rating, Add</i>	186.84	
40 05 19 00-1204 EA 12" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,725.19	360.36
<i>For Class 52 Rating, Deduct</i>	-129.71	
<i>For Class 54 Rating, Add</i>	88.44	
<i>For Class 55 Rating, Add</i>	196.57	
40 05 19 00-1205 EA 12" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,787.14	362.70
<i>For Class 52 Rating, Deduct</i>	-136.14	
<i>For Class 54 Rating, Add</i>	92.82	
<i>For Class 55 Rating, Add</i>	206.31	
40 05 19 00-1206 EA 12" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,849.08	365.03
<i>For Class 52 Rating, Deduct</i>	-142.56	
<i>For Class 54 Rating, Add</i>	97.20	
<i>For Class 55 Rating, Add</i>	216.04	
40 05 19 00-1207 EA 12" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,911.03	367.38
<i>For Class 52 Rating, Deduct</i>	-148.98	
<i>For Class 54 Rating, Add</i>	101.58	
<i>For Class 55 Rating, Add</i>	225.78	
40 05 19 00-1208 EA 12" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,972.97	369.71
<i>For Class 52 Rating, Deduct</i>	-155.41	
<i>For Class 54 Rating, Add</i>	105.96	
<i>For Class 55 Rating, Add</i>	235.51	
40 05 19 00-1209 EA 12" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,034.92	372.05
<i>For Class 52 Rating, Deduct</i>	-161.83	
<i>For Class 54 Rating, Add</i>	110.34	
<i>For Class 55 Rating, Add</i>	245.25	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1210	EA		12" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,096.86	374.39
			<i>For Class 52 Rating, Deduct</i>	-168.26	
			<i>For Class 54 Rating, Add</i>	114.72	
			<i>For Class 55 Rating, Add</i>	254.98	
40 05 19 00-1211	EA		12" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,158.81	376.73
			<i>For Class 52 Rating, Deduct</i>	-174.68	
			<i>For Class 54 Rating, Add</i>	119.10	
			<i>For Class 55 Rating, Add</i>	264.72	
40 05 19 00-1212	EA		12" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,220.76	379.08
			<i>For Class 52 Rating, Deduct</i>	-181.10	
			<i>For Class 54 Rating, Add</i>	123.48	
			<i>For Class 55 Rating, Add</i>	274.45	
40 05 19 00-1213	EA		12" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,282.70	381.41
			<i>For Class 52 Rating, Deduct</i>	-187.53	
			<i>For Class 54 Rating, Add</i>	127.86	
			<i>For Class 55 Rating, Add</i>	284.19	
40 05 19 00-1214	EA		12" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,344.65	383.75
			<i>For Class 52 Rating, Deduct</i>	-193.95	
			<i>For Class 54 Rating, Add</i>	132.24	
			<i>For Class 55 Rating, Add</i>	293.93	
40 05 19 00-1215	EA		12" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,406.59	386.10
			<i>For Class 52 Rating, Deduct</i>	-200.38	
			<i>For Class 54 Rating, Add</i>	136.62	
			<i>For Class 55 Rating, Add</i>	303.66	
40 05 19 00-1216	EA		12" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,468.54	388.44
			<i>For Class 52 Rating, Deduct</i>	-206.80	
			<i>For Class 54 Rating, Add</i>	141.00	
			<i>For Class 55 Rating, Add</i>	313.40	
40 05 19 00-1217	EA		12" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,530.48	390.77
			<i>For Class 52 Rating, Deduct</i>	-213.22	
			<i>For Class 54 Rating, Add</i>	145.38	
			<i>For Class 55 Rating, Add</i>	323.13	
40 05 19 00-1218	EA		12" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,592.43	393.11
			<i>For Class 52 Rating, Deduct</i>	-219.65	
			<i>For Class 54 Rating, Add</i>	149.76	
			<i>For Class 55 Rating, Add</i>	332.87	
40 05 19 00-1219	EA		12" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,654.37	395.45
			<i>For Class 52 Rating, Deduct</i>	-226.07	
			<i>For Class 54 Rating, Add</i>	154.14	
			<i>For Class 55 Rating, Add</i>	342.60	
40 05 19 00-1220	EA		12" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,716.32	397.79
			<i>For Class 52 Rating, Deduct</i>	-232.50	
			<i>For Class 54 Rating, Add</i>	158.52	
			<i>For Class 55 Rating, Add</i>	352.34	
40 05 19 00-1221	EA		12" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,778.26	400.13
			<i>For Class 52 Rating, Deduct</i>	-238.92	
			<i>For Class 54 Rating, Add</i>	162.90	
			<i>For Class 55 Rating, Add</i>	362.07	
40 05 19 00-1222	EA		12" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,840.21	402.47
			<i>For Class 52 Rating, Deduct</i>	-245.34	
			<i>For Class 54 Rating, Add</i>	167.28	
			<i>For Class 55 Rating, Add</i>	371.81	
40 05 19 00-1223	EA		12" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,902.16	404.82
			<i>For Class 52 Rating, Deduct</i>	-251.77	
			<i>For Class 54 Rating, Add</i>	171.66	
			<i>For Class 55 Rating, Add</i>	381.54	
40 05 19 00-1224	EA		12" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,964.10	407.15
			<i>For Class 52 Rating, Deduct</i>	-258.19	
			<i>For Class 54 Rating, Add</i>	176.04	
			<i>For Class 55 Rating, Add</i>	391.28	
40 05 19 00-1225	EA		12" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,026.05	409.50
			<i>For Class 52 Rating, Deduct</i>	-264.62	
			<i>For Class 54 Rating, Add</i>	180.42	
			<i>For Class 55 Rating, Add</i>	401.01	
40 05 19 00-1226	EA		12" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,087.99	411.84
			<i>For Class 52 Rating, Deduct</i>	-271.04	
			<i>For Class 54 Rating, Add</i>	184.80	
			<i>For Class 55 Rating, Add</i>	410.75	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1227 EA 12" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,149.94	414.16
<i>For Class 52 Rating, Deduct</i>	-277.46	
<i>For Class 54 Rating, Add</i>	189.18	
<i>For Class 55 Rating, Add</i>	420.48	
40 05 19 00-1228 EA 12" Flanged x Plain End (FxPE), 20'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,211.88	416.51
<i>For Class 52 Rating, Deduct</i>	-283.89	
<i>For Class 54 Rating, Add</i>	193.56	
<i>For Class 55 Rating, Add</i>	430.22	
40 05 19 00-1229 14" Flanged End x Plain End (FxPE), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		
<small>(40 05 19 00-1028)</small>		
40 05 19 00-1230 EA 14" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,111.63	393.11
<i>For Class 52 Rating, Deduct</i>	-56.76	
<i>For Class 54 Rating, Add</i>	38.70	
<i>For Class 55 Rating, Add</i>	86.02	
40 05 19 00-1231 EA 14" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,186.37	395.45
<i>For Class 52 Rating, Deduct</i>	-64.59	
<i>For Class 54 Rating, Add</i>	44.04	
<i>For Class 55 Rating, Add</i>	97.89	
40 05 19 00-1232 EA 14" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,261.12	397.79
<i>For Class 52 Rating, Deduct</i>	-72.42	
<i>For Class 54 Rating, Add</i>	49.38	
<i>For Class 55 Rating, Add</i>	109.76	
40 05 19 00-1233 EA 14" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,335.86	400.13
<i>For Class 52 Rating, Deduct</i>	-80.26	
<i>For Class 54 Rating, Add</i>	54.72	
<i>For Class 55 Rating, Add</i>	121.62	
40 05 19 00-1234 EA 14" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,410.61	402.47
<i>For Class 52 Rating, Deduct</i>	-88.09	
<i>For Class 54 Rating, Add</i>	60.06	
<i>For Class 55 Rating, Add</i>	133.49	
40 05 19 00-1235 EA 14" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,485.36	404.82
<i>For Class 52 Rating, Deduct</i>	-95.92	
<i>For Class 54 Rating, Add</i>	65.40	
<i>For Class 55 Rating, Add</i>	145.36	
40 05 19 00-1236 EA 14" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,560.10	407.15
<i>For Class 52 Rating, Deduct</i>	-103.75	
<i>For Class 54 Rating, Add</i>	70.74	
<i>For Class 55 Rating, Add</i>	157.23	
40 05 19 00-1237 EA 14" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,634.85	409.50
<i>For Class 52 Rating, Deduct</i>	-111.58	
<i>For Class 54 Rating, Add</i>	76.08	
<i>For Class 55 Rating, Add</i>	169.10	
40 05 19 00-1238 EA 14" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,709.59	411.84
<i>For Class 52 Rating, Deduct</i>	-119.42	
<i>For Class 54 Rating, Add</i>	81.42	
<i>For Class 55 Rating, Add</i>	180.97	
40 05 19 00-1239 EA 14" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,784.34	414.16
<i>For Class 52 Rating, Deduct</i>	-127.25	
<i>For Class 54 Rating, Add</i>	86.76	
<i>For Class 55 Rating, Add</i>	192.84	
40 05 19 00-1240 EA 14" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,859.08	416.51
<i>For Class 52 Rating, Deduct</i>	-135.08	
<i>For Class 54 Rating, Add</i>	92.10	
<i>For Class 55 Rating, Add</i>	204.71	
40 05 19 00-1241 EA 14" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,933.83	418.85
<i>For Class 52 Rating, Deduct</i>	-142.91	
<i>For Class 54 Rating, Add</i>	97.44	
<i>For Class 55 Rating, Add</i>	216.58	
40 05 19 00-1242 EA 14" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,008.57	421.20
<i>For Class 52 Rating, Deduct</i>	-150.74	
<i>For Class 54 Rating, Add</i>	102.78	
<i>For Class 55 Rating, Add</i>	228.45	
40 05 19 00-1243 EA 14" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,083.32	423.53
<i>For Class 52 Rating, Deduct</i>	-158.58	
<i>For Class 54 Rating, Add</i>	108.12	
<i>For Class 55 Rating, Add</i>	240.31	

40 Process Interconnections

40 05 Common Work Results For Process Interconnections

40 05 19 Ductile Iron Process Pipe



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1244	EA		14" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,158.06	425.87
			<i>For Class 52 Rating, Deduct</i>	-166.41	
			<i>For Class 54 Rating, Add</i>	113.46	
			<i>For Class 55 Rating, Add</i>	252.18	
40 05 19 00-1245	EA		14" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,232.81	428.22
			<i>For Class 52 Rating, Deduct</i>	-174.24	
			<i>For Class 54 Rating, Add</i>	118.80	
			<i>For Class 55 Rating, Add</i>	264.05	
40 05 19 00-1246	EA		14" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,307.56	430.55
			<i>For Class 52 Rating, Deduct</i>	-182.07	
			<i>For Class 54 Rating, Add</i>	124.14	
			<i>For Class 55 Rating, Add</i>	275.92	
40 05 19 00-1247	EA		14" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,382.30	432.89
			<i>For Class 52 Rating, Deduct</i>	-189.90	
			<i>For Class 54 Rating, Add</i>	129.48	
			<i>For Class 55 Rating, Add</i>	287.79	
40 05 19 00-1248	EA		14" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,457.05	435.24
			<i>For Class 52 Rating, Deduct</i>	-197.74	
			<i>For Class 54 Rating, Add</i>	134.82	
			<i>For Class 55 Rating, Add</i>	299.66	
40 05 19 00-1249	EA		14" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,531.79	437.57
			<i>For Class 52 Rating, Deduct</i>	-205.57	
			<i>For Class 54 Rating, Add</i>	140.16	
			<i>For Class 55 Rating, Add</i>	311.53	
40 05 19 00-1250	EA		14" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,606.54	439.91
			<i>For Class 52 Rating, Deduct</i>	-213.40	
			<i>For Class 54 Rating, Add</i>	145.50	
			<i>For Class 55 Rating, Add</i>	323.40	
40 05 19 00-1251	EA		14" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,681.28	442.25
			<i>For Class 52 Rating, Deduct</i>	-221.23	
			<i>For Class 54 Rating, Add</i>	150.84	
			<i>For Class 55 Rating, Add</i>	335.27	
40 05 19 00-1252	EA		14" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,756.03	444.59
			<i>For Class 52 Rating, Deduct</i>	-229.06	
			<i>For Class 54 Rating, Add</i>	156.18	
			<i>For Class 55 Rating, Add</i>	347.14	
40 05 19 00-1253	EA		14" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,830.77	446.94
			<i>For Class 52 Rating, Deduct</i>	-236.90	
			<i>For Class 54 Rating, Add</i>	161.52	
			<i>For Class 55 Rating, Add</i>	359.01	
40 05 19 00-1254	EA		14" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,905.52	449.27
			<i>For Class 52 Rating, Deduct</i>	-244.73	
			<i>For Class 54 Rating, Add</i>	166.86	
			<i>For Class 55 Rating, Add</i>	370.87	
40 05 19 00-1255	EA		14" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,980.26	451.61
			<i>For Class 52 Rating, Deduct</i>	-252.56	
			<i>For Class 54 Rating, Add</i>	172.20	
			<i>For Class 55 Rating, Add</i>	382.74	
40 05 19 00-1256	EA		14" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,055.01	453.96
			<i>For Class 52 Rating, Deduct</i>	-260.39	
			<i>For Class 54 Rating, Add</i>	177.54	
			<i>For Class 55 Rating, Add</i>	394.61	
40 05 19 00-1257	EA		14" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,129.76	456.29
			<i>For Class 52 Rating, Deduct</i>	-268.22	
			<i>For Class 54 Rating, Add</i>	182.88	
			<i>For Class 55 Rating, Add</i>	406.48	
40 05 19 00-1258	EA		14" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,204.50	458.63
			<i>For Class 52 Rating, Deduct</i>	-276.06	
			<i>For Class 54 Rating, Add</i>	188.22	
			<i>For Class 55 Rating, Add</i>	418.35	
40 05 19 00-1259	EA		14" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,279.25	460.97
			<i>For Class 52 Rating, Deduct</i>	-283.89	
			<i>For Class 54 Rating, Add</i>	193.56	
			<i>For Class 55 Rating, Add</i>	430.22	
40 05 19 00-1260	EA		14" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,353.99	463.31
			<i>For Class 52 Rating, Deduct</i>	-291.72	
			<i>For Class 54 Rating, Add</i>	198.90	
			<i>For Class 55 Rating, Add</i>	442.09	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1261 EA 14" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,428.74	465.65
<i>For Class 52 Rating, Deduct</i>	-299.55	
<i>For Class 54 Rating, Add</i>	204.24	
<i>For Class 55 Rating, Add</i>	453.96	
40 05 19 00-1262 EA 14" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,503.48	467.99
<i>For Class 52 Rating, Deduct</i>	-307.38	
<i>For Class 54 Rating, Add</i>	209.58	
<i>For Class 55 Rating, Add</i>	465.83	
40 05 19 00-1263 EA 14" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,578.23	470.34
<i>For Class 52 Rating, Deduct</i>	-315.22	
<i>For Class 54 Rating, Add</i>	214.92	
<i>For Class 55 Rating, Add</i>	477.70	
40 05 19 00-1264 EA 14" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,652.97	472.67
<i>For Class 52 Rating, Deduct</i>	-323.05	
<i>For Class 54 Rating, Add</i>	220.26	
<i>For Class 55 Rating, Add</i>	489.56	
40 05 19 00-1265 EA 14" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,727.72	475.01
<i>For Class 52 Rating, Deduct</i>	-330.88	
<i>For Class 54 Rating, Add</i>	225.60	
<i>For Class 55 Rating, Add</i>	501.43	
40 05 19 00-1266 EA 14" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,802.46	477.36
<i>For Class 52 Rating, Deduct</i>	-338.71	
<i>For Class 54 Rating, Add</i>	230.94	
<i>For Class 55 Rating, Add</i>	513.30	
40 05 19 00-1267 EA 14" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,877.21	479.70
<i>For Class 52 Rating, Deduct</i>	-346.54	
<i>For Class 54 Rating, Add</i>	236.28	
<i>For Class 55 Rating, Add</i>	525.17	
40 05 19 00-1268 16" Flanged End x Plain End (FxPE), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <small>(40 05 19 00-1028)</small>		
40 05 19 00-1269 EA 16" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,291.12	449.27
<i>For Class 52 Rating, Deduct</i>	-67.14	
<i>For Class 54 Rating, Add</i>	45.78	
<i>For Class 55 Rating, Add</i>	101.75	
40 05 19 00-1270 EA 16" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,377.86	451.61
<i>For Class 52 Rating, Deduct</i>	-76.30	
<i>For Class 54 Rating, Add</i>	52.02	
<i>For Class 55 Rating, Add</i>	115.62	
40 05 19 00-1271 EA 16" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,464.61	453.96
<i>For Class 52 Rating, Deduct</i>	-85.45	
<i>For Class 54 Rating, Add</i>	58.26	
<i>For Class 55 Rating, Add</i>	129.49	
40 05 19 00-1272 EA 16" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,551.36	456.29
<i>For Class 52 Rating, Deduct</i>	-94.60	
<i>For Class 54 Rating, Add</i>	64.50	
<i>For Class 55 Rating, Add</i>	143.36	
40 05 19 00-1273 EA 16" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,638.10	458.63
<i>For Class 52 Rating, Deduct</i>	-103.75	
<i>For Class 54 Rating, Add</i>	70.74	
<i>For Class 55 Rating, Add</i>	157.23	
40 05 19 00-1274 EA 16" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,724.85	460.97
<i>For Class 52 Rating, Deduct</i>	-112.90	
<i>For Class 54 Rating, Add</i>	76.98	
<i>For Class 55 Rating, Add</i>	171.10	
40 05 19 00-1275 EA 16" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,811.59	463.31
<i>For Class 52 Rating, Deduct</i>	-122.06	
<i>For Class 54 Rating, Add</i>	83.22	
<i>For Class 55 Rating, Add</i>	184.97	
40 05 19 00-1276 EA 16" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,898.34	465.65
<i>For Class 52 Rating, Deduct</i>	-131.21	
<i>For Class 54 Rating, Add</i>	89.46	
<i>For Class 55 Rating, Add</i>	198.84	
40 05 19 00-1277 EA 16" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,985.08	467.99
<i>For Class 52 Rating, Deduct</i>	-140.36	
<i>For Class 54 Rating, Add</i>	95.70	
<i>For Class 55 Rating, Add</i>	212.71	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1278	EA		16" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,071.83	470.34
			<i>For Class 52 Rating, Deduct</i>	-149.51	
			<i>For Class 54 Rating, Add</i>	101.94	
			<i>For Class 55 Rating, Add</i>	226.58	
40 05 19 00-1279	EA		16" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,158.57	472.67
			<i>For Class 52 Rating, Deduct</i>	-158.66	
			<i>For Class 54 Rating, Add</i>	108.18	
			<i>For Class 55 Rating, Add</i>	240.45	
40 05 19 00-1280	EA		16" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,245.32	475.01
			<i>For Class 52 Rating, Deduct</i>	-167.82	
			<i>For Class 54 Rating, Add</i>	114.42	
			<i>For Class 55 Rating, Add</i>	254.32	
40 05 19 00-1281	EA		16" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,332.06	477.36
			<i>For Class 52 Rating, Deduct</i>	-176.97	
			<i>For Class 54 Rating, Add</i>	120.66	
			<i>For Class 55 Rating, Add</i>	268.19	
40 05 19 00-1282	EA		16" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,418.81	479.70
			<i>For Class 52 Rating, Deduct</i>	-186.12	
			<i>For Class 54 Rating, Add</i>	126.90	
			<i>For Class 55 Rating, Add</i>	282.06	
40 05 19 00-1283	EA		16" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,505.55	482.02
			<i>For Class 52 Rating, Deduct</i>	-195.27	
			<i>For Class 54 Rating, Add</i>	133.14	
			<i>For Class 55 Rating, Add</i>	295.93	
40 05 19 00-1284	EA		16" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,592.29	484.37
			<i>For Class 52 Rating, Deduct</i>	-204.42	
			<i>For Class 54 Rating, Add</i>	139.38	
			<i>For Class 55 Rating, Add</i>	309.80	
40 05 19 00-1285	EA		16" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,679.04	486.71
			<i>For Class 52 Rating, Deduct</i>	-213.58	
			<i>For Class 54 Rating, Add</i>	145.62	
			<i>For Class 55 Rating, Add</i>	323.66	
40 05 19 00-1286	EA		16" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,765.78	489.05
			<i>For Class 52 Rating, Deduct</i>	-222.73	
			<i>For Class 54 Rating, Add</i>	151.86	
			<i>For Class 55 Rating, Add</i>	337.53	
40 05 19 00-1287	EA		16" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,852.53	491.39
			<i>For Class 52 Rating, Deduct</i>	-231.88	
			<i>For Class 54 Rating, Add</i>	158.10	
			<i>For Class 55 Rating, Add</i>	351.40	
40 05 19 00-1288	EA		16" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,939.27	493.73
			<i>For Class 52 Rating, Deduct</i>	-241.03	
			<i>For Class 54 Rating, Add</i>	164.34	
			<i>For Class 55 Rating, Add</i>	365.27	
40 05 19 00-1289	EA		16" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,026.02	496.08
			<i>For Class 52 Rating, Deduct</i>	-250.18	
			<i>For Class 54 Rating, Add</i>	170.58	
			<i>For Class 55 Rating, Add</i>	379.14	
40 05 19 00-1290	EA		16" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,112.76	498.41
			<i>For Class 52 Rating, Deduct</i>	-259.34	
			<i>For Class 54 Rating, Add</i>	176.82	
			<i>For Class 55 Rating, Add</i>	393.01	
40 05 19 00-1291	EA		16" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,199.51	500.75
			<i>For Class 52 Rating, Deduct</i>	-268.49	
			<i>For Class 54 Rating, Add</i>	183.06	
			<i>For Class 55 Rating, Add</i>	406.88	
40 05 19 00-1292	EA		16" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,286.25	503.09
			<i>For Class 52 Rating, Deduct</i>	-277.64	
			<i>For Class 54 Rating, Add</i>	189.30	
			<i>For Class 55 Rating, Add</i>	420.75	
40 05 19 00-1293	EA		16" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,373.00	505.43
			<i>For Class 52 Rating, Deduct</i>	-286.79	
			<i>For Class 54 Rating, Add</i>	195.54	
			<i>For Class 55 Rating, Add</i>	434.62	
40 05 19 00-1294	EA		16" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,459.75	507.77
			<i>For Class 52 Rating, Deduct</i>	-295.94	
			<i>For Class 54 Rating, Add</i>	201.78	
			<i>For Class 55 Rating, Add</i>	448.49	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1295 EA 16" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,546.49	510.11
<i>For Class 52 Rating, Deduct</i>	-305.10	
<i>For Class 54 Rating, Add</i>	208.02	
<i>For Class 55 Rating, Add</i>	462.36	
40 05 19 00-1296 EA 16" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,633.24	512.45
<i>For Class 52 Rating, Deduct</i>	-314.25	
<i>For Class 54 Rating, Add</i>	214.26	
<i>For Class 55 Rating, Add</i>	476.23	
40 05 19 00-1297 EA 16" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,719.98	514.79
<i>For Class 52 Rating, Deduct</i>	-323.40	
<i>For Class 54 Rating, Add</i>	220.50	
<i>For Class 55 Rating, Add</i>	490.10	
40 05 19 00-1298 EA 16" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,806.73	517.13
<i>For Class 52 Rating, Deduct</i>	-332.55	
<i>For Class 54 Rating, Add</i>	226.74	
<i>For Class 55 Rating, Add</i>	503.97	
40 05 19 00-1299 EA 16" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,893.47	519.48
<i>For Class 52 Rating, Deduct</i>	-341.70	
<i>For Class 54 Rating, Add</i>	232.98	
<i>For Class 55 Rating, Add</i>	517.84	
40 05 19 00-1300 EA 16" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,980.22	521.82
<i>For Class 52 Rating, Deduct</i>	-350.86	
<i>For Class 54 Rating, Add</i>	239.22	
<i>For Class 55 Rating, Add</i>	531.71	
40 05 19 00-1301 EA 16" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,066.96	524.15
<i>For Class 52 Rating, Deduct</i>	-360.01	
<i>For Class 54 Rating, Add</i>	245.46	
<i>For Class 55 Rating, Add</i>	545.58	
40 05 19 00-1302 EA 16" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,153.71	526.49
<i>For Class 52 Rating, Deduct</i>	-369.16	
<i>For Class 54 Rating, Add</i>	251.70	
<i>For Class 55 Rating, Add</i>	559.45	
40 05 19 00-1303 EA 16" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,240.46	528.83
<i>For Class 52 Rating, Deduct</i>	-378.31	
<i>For Class 54 Rating, Add</i>	257.94	
<i>For Class 55 Rating, Add</i>	573.31	
40 05 19 00-1304 EA 16" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,327.20	531.16
<i>For Class 52 Rating, Deduct</i>	-387.46	
<i>For Class 54 Rating, Add</i>	264.18	
<i>For Class 55 Rating, Add</i>	587.18	
40 05 19 00-1305 EA 16" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,413.95	533.51
<i>For Class 52 Rating, Deduct</i>	-396.62	
<i>For Class 54 Rating, Add</i>	270.42	
<i>For Class 55 Rating, Add</i>	601.05	
40 05 19 00-1306 EA 16" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,500.69	535.85
<i>For Class 52 Rating, Deduct</i>	-405.77	
<i>For Class 54 Rating, Add</i>	276.66	
<i>For Class 55 Rating, Add</i>	614.92	
40 05 19 00-1307 18" Flanged End x Plain End (FxPE), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		
<small>(40 05 19 00-1028)</small>		
40 05 19 00-1308 EA 18" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,483.22	506.37
<i>For Class 52 Rating, Deduct</i>	-78.76	
<i>For Class 54 Rating, Add</i>	53.70	
<i>For Class 55 Rating, Add</i>	119.36	
40 05 19 00-1309 EA 18" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,582.77	508.71
<i>For Class 52 Rating, Deduct</i>	-89.32	
<i>For Class 54 Rating, Add</i>	60.90	
<i>For Class 55 Rating, Add</i>	135.36	
40 05 19 00-1310 EA 18" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,682.31	511.04
<i>For Class 52 Rating, Deduct</i>	-99.88	
<i>For Class 54 Rating, Add</i>	68.10	
<i>For Class 55 Rating, Add</i>	151.36	
40 05 19 00-1311 EA 18" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,781.86	513.39
<i>For Class 52 Rating, Deduct</i>	-110.44	
<i>For Class 54 Rating, Add</i>	75.30	
<i>For Class 55 Rating, Add</i>	167.37	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1312	EA		18" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,881.40	515.73
			<i>For Class 52 Rating, Deduct</i>	-121.00	
			<i>For Class 54 Rating, Add</i>	82.50	
			<i>For Class 55 Rating, Add</i>	183.37	
40 05 19 00-1313	EA		18" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,980.95	518.06
			<i>For Class 52 Rating, Deduct</i>	-131.56	
			<i>For Class 54 Rating, Add</i>	89.70	
			<i>For Class 55 Rating, Add</i>	199.37	
40 05 19 00-1314	EA		18" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,080.49	520.41
			<i>For Class 52 Rating, Deduct</i>	-142.12	
			<i>For Class 54 Rating, Add</i>	96.90	
			<i>For Class 55 Rating, Add</i>	215.38	
40 05 19 00-1315	EA		18" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,180.04	522.75
			<i>For Class 52 Rating, Deduct</i>	-152.68	
			<i>For Class 54 Rating, Add</i>	104.10	
			<i>For Class 55 Rating, Add</i>	231.38	
40 05 19 00-1316	EA		18" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,279.58	525.09
			<i>For Class 52 Rating, Deduct</i>	-163.24	
			<i>For Class 54 Rating, Add</i>	111.30	
			<i>For Class 55 Rating, Add</i>	247.38	
40 05 19 00-1317	EA		18" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,379.13	527.42
			<i>For Class 52 Rating, Deduct</i>	-173.80	
			<i>For Class 54 Rating, Add</i>	118.50	
			<i>For Class 55 Rating, Add</i>	263.39	
40 05 19 00-1318	EA		18" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,478.68	529.76
			<i>For Class 52 Rating, Deduct</i>	-184.36	
			<i>For Class 54 Rating, Add</i>	125.70	
			<i>For Class 55 Rating, Add</i>	279.39	
40 05 19 00-1319	EA		18" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,578.22	532.11
			<i>For Class 52 Rating, Deduct</i>	-194.92	
			<i>For Class 54 Rating, Add</i>	132.90	
			<i>For Class 55 Rating, Add</i>	295.39	
40 05 19 00-1320	EA		18" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,677.77	534.44
			<i>For Class 52 Rating, Deduct</i>	-205.48	
			<i>For Class 54 Rating, Add</i>	140.10	
			<i>For Class 55 Rating, Add</i>	311.40	
40 05 19 00-1321	EA		18" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,777.31	536.79
			<i>For Class 52 Rating, Deduct</i>	-216.04	
			<i>For Class 54 Rating, Add</i>	147.30	
			<i>For Class 55 Rating, Add</i>	327.40	
40 05 19 00-1322	EA		18" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,876.86	539.13
			<i>For Class 52 Rating, Deduct</i>	-226.60	
			<i>For Class 54 Rating, Add</i>	154.50	
			<i>For Class 55 Rating, Add</i>	343.40	
40 05 19 00-1323	EA		18" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,976.40	541.47
			<i>For Class 52 Rating, Deduct</i>	-237.16	
			<i>For Class 54 Rating, Add</i>	161.70	
			<i>For Class 55 Rating, Add</i>	359.41	
40 05 19 00-1324	EA		18" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,075.95	543.81
			<i>For Class 52 Rating, Deduct</i>	-247.72	
			<i>For Class 54 Rating, Add</i>	168.90	
			<i>For Class 55 Rating, Add</i>	375.41	
40 05 19 00-1325	EA		18" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,175.49	546.15
			<i>For Class 52 Rating, Deduct</i>	-258.28	
			<i>For Class 54 Rating, Add</i>	176.10	
			<i>For Class 55 Rating, Add</i>	391.41	
40 05 19 00-1326	EA		18" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,275.04	548.48
			<i>For Class 52 Rating, Deduct</i>	-268.84	
			<i>For Class 54 Rating, Add</i>	183.30	
			<i>For Class 55 Rating, Add</i>	407.41	
40 05 19 00-1327	EA		18" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,374.58	550.82
			<i>For Class 52 Rating, Deduct</i>	-279.40	
			<i>For Class 54 Rating, Add</i>	190.50	
			<i>For Class 55 Rating, Add</i>	423.42	
40 05 19 00-1328	EA		18" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,474.13	553.16
			<i>For Class 52 Rating, Deduct</i>	-289.96	
			<i>For Class 54 Rating, Add</i>	197.70	
			<i>For Class 55 Rating, Add</i>	439.42	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1329 EA 18" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	3,573.68	555.51
<i>For Class 52 Rating, Deduct</i>	-300.52	
<i>For Class 54 Rating, Add</i>	204.90	
<i>For Class 55 Rating, Add</i>	455.42	
40 05 19 00-1330 EA 18" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	3,673.22	557.85
<i>For Class 52 Rating, Deduct</i>	-311.08	
<i>For Class 54 Rating, Add</i>	212.10	
<i>For Class 55 Rating, Add</i>	471.43	
40 05 19 00-1331 EA 18" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	3,772.77	560.18
<i>For Class 52 Rating, Deduct</i>	-321.64	
<i>For Class 54 Rating, Add</i>	219.30	
<i>For Class 55 Rating, Add</i>	487.43	
40 05 19 00-1332 EA 18" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	3,872.31	562.53
<i>For Class 52 Rating, Deduct</i>	-332.20	
<i>For Class 54 Rating, Add</i>	226.50	
<i>For Class 55 Rating, Add</i>	503.43	
40 05 19 00-1333 EA 18" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	3,971.86	564.87
<i>For Class 52 Rating, Deduct</i>	-342.76	
<i>For Class 54 Rating, Add</i>	233.70	
<i>For Class 55 Rating, Add</i>	519.44	
40 05 19 00-1334 EA 18" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	4,071.40	567.21
<i>For Class 52 Rating, Deduct</i>	-353.32	
<i>For Class 54 Rating, Add</i>	240.90	
<i>For Class 55 Rating, Add</i>	535.44	
40 05 19 00-1335 EA 18" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	4,170.95	569.54
<i>For Class 52 Rating, Deduct</i>	-363.88	
<i>For Class 54 Rating, Add</i>	248.10	
<i>For Class 55 Rating, Add</i>	551.44	
40 05 19 00-1336 EA 18" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	4,270.49	571.88
<i>For Class 52 Rating, Deduct</i>	-374.44	
<i>For Class 54 Rating, Add</i>	255.30	
<i>For Class 55 Rating, Add</i>	567.45	
40 05 19 00-1337 EA 18" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	4,370.04	574.23
<i>For Class 52 Rating, Deduct</i>	-385.00	
<i>For Class 54 Rating, Add</i>	262.50	
<i>For Class 55 Rating, Add</i>	583.45	
40 05 19 00-1338 EA 18" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	4,469.58	576.56
<i>For Class 52 Rating, Deduct</i>	-395.56	
<i>For Class 54 Rating, Add</i>	269.70	
<i>For Class 55 Rating, Add</i>	599.45	
40 05 19 00-1339 EA 18" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	4,569.13	578.90
<i>For Class 52 Rating, Deduct</i>	-406.12	
<i>For Class 54 Rating, Add</i>	276.90	
<i>For Class 55 Rating, Add</i>	615.46	
40 05 19 00-1340 EA 18" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	4,668.68	581.25
<i>For Class 52 Rating, Deduct</i>	-416.68	
<i>For Class 54 Rating, Add</i>	284.10	
<i>For Class 55 Rating, Add</i>	631.46	
40 05 19 00-1341 EA 18" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	4,768.22	583.59
<i>For Class 52 Rating, Deduct</i>	-427.24	
<i>For Class 54 Rating, Add</i>	291.30	
<i>For Class 55 Rating, Add</i>	647.46	
40 05 19 00-1342 EA 18" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	4,867.77	585.93
<i>For Class 52 Rating, Deduct</i>	-437.80	
<i>For Class 54 Rating, Add</i>	298.50	
<i>For Class 55 Rating, Add</i>	663.47	
40 05 19 00-1343 EA 18" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	4,967.31	588.27
<i>For Class 52 Rating, Deduct</i>	-448.36	
<i>For Class 54 Rating, Add</i>	305.70	
<i>For Class 55 Rating, Add</i>	679.47	
40 05 19 00-1344 EA 18" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	5,066.86	590.61
<i>For Class 52 Rating, Deduct</i>	-458.92	
<i>For Class 54 Rating, Add</i>	312.90	
<i>For Class 55 Rating, Add</i>	695.47	
40 05 19 00-1345 EA 18" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	5,166.40	592.94
<i>For Class 52 Rating, Deduct</i>	-469.48	
<i>For Class 54 Rating, Add</i>	320.10	
<i>For Class 55 Rating, Add</i>	711.48	

40 Process Interconnections

40 05 Common Work Results For Process Interconnections

40 05 19 Ductile Iron Process Pipe



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1346			20" Flanged End x Plain End (FxPE), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <small>(40 05 19 00-1028)</small>		
40 05 19 00-1347	EA		20" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,718.91	577.97
			For Class 52 Rating, Deduct	-92.75	
			For Class 54 Rating, Add	63.24	
			For Class 55 Rating, Add	140.56	
40 05 19 00-1348	EA		20" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,832.86	580.31
			For Class 52 Rating, Deduct	-104.90	
			For Class 54 Rating, Add	71.52	
			For Class 55 Rating, Add	158.97	
40 05 19 00-1349	EA		20" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,946.80	582.65
			For Class 52 Rating, Deduct	-117.04	
			For Class 54 Rating, Add	79.80	
			For Class 55 Rating, Add	177.37	
40 05 19 00-1350	EA		20" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,060.75	584.99
			For Class 52 Rating, Deduct	-129.18	
			For Class 54 Rating, Add	88.08	
			For Class 55 Rating, Add	195.77	
40 05 19 00-1351	EA		20" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,174.69	587.34
			For Class 52 Rating, Deduct	-141.33	
			For Class 54 Rating, Add	96.36	
			For Class 55 Rating, Add	214.18	
40 05 19 00-1352	EA		20" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,288.64	589.67
			For Class 52 Rating, Deduct	-153.47	
			For Class 54 Rating, Add	104.64	
			For Class 55 Rating, Add	232.58	
40 05 19 00-1353	EA		20" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,402.58	592.00
			For Class 52 Rating, Deduct	-165.62	
			For Class 54 Rating, Add	112.92	
			For Class 55 Rating, Add	250.98	
40 05 19 00-1354	EA		20" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,516.53	594.35
			For Class 52 Rating, Deduct	-177.76	
			For Class 54 Rating, Add	121.20	
			For Class 55 Rating, Add	269.39	
40 05 19 00-1355	EA		20" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,630.47	596.69
			For Class 52 Rating, Deduct	-189.90	
			For Class 54 Rating, Add	129.48	
			For Class 55 Rating, Add	287.79	
40 05 19 00-1356	EA		20" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,744.42	599.02
			For Class 52 Rating, Deduct	-202.05	
			For Class 54 Rating, Add	137.76	
			For Class 55 Rating, Add	306.19	
40 05 19 00-1357	EA		20" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,858.36	601.37
			For Class 52 Rating, Deduct	-214.19	
			For Class 54 Rating, Add	146.04	
			For Class 55 Rating, Add	324.60	
40 05 19 00-1358	EA		20" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,972.31	603.71
			For Class 52 Rating, Deduct	-226.34	
			For Class 54 Rating, Add	154.32	
			For Class 55 Rating, Add	343.00	
40 05 19 00-1359	EA		20" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,086.26	606.05
			For Class 52 Rating, Deduct	-238.48	
			For Class 54 Rating, Add	162.60	
			For Class 55 Rating, Add	361.41	
40 05 19 00-1360	EA		20" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,200.20	608.39
			For Class 52 Rating, Deduct	-250.62	
			For Class 54 Rating, Add	170.88	
			For Class 55 Rating, Add	379.81	
40 05 19 00-1361	EA		20" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,314.15	610.73
			For Class 52 Rating, Deduct	-262.77	
			For Class 54 Rating, Add	179.16	
			For Class 55 Rating, Add	398.21	
40 05 19 00-1362	EA		20" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,428.09	613.08
			For Class 52 Rating, Deduct	-274.91	
			For Class 54 Rating, Add	187.44	
			For Class 55 Rating, Add	416.62	



Process Interconnections	40
Common Work Results For Process Interconnections	
40 05	40
Ductile Iron Process Pipe 40 05 19	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1363 EA 20" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,542.04	615.40
<i>For Class 52 Rating, Deduct</i>	-287.06	
<i>For Class 54 Rating, Add</i>	195.72	
<i>For Class 55 Rating, Add</i>	435.02	
40 05 19 00-1364 EA 20" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,655.98	617.75
<i>For Class 52 Rating, Deduct</i>	-299.20	
<i>For Class 54 Rating, Add</i>	204.00	
<i>For Class 55 Rating, Add</i>	453.42	
40 05 19 00-1365 EA 20" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,769.93	620.09
<i>For Class 52 Rating, Deduct</i>	-311.34	
<i>For Class 54 Rating, Add</i>	212.28	
<i>For Class 55 Rating, Add</i>	471.83	
40 05 19 00-1366 EA 20" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,883.87	622.43
<i>For Class 52 Rating, Deduct</i>	-323.49	
<i>For Class 54 Rating, Add</i>	220.56	
<i>For Class 55 Rating, Add</i>	490.23	
40 05 19 00-1367 EA 20" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,997.82	624.77
<i>For Class 52 Rating, Deduct</i>	-335.63	
<i>For Class 54 Rating, Add</i>	228.84	
<i>For Class 55 Rating, Add</i>	508.64	
40 05 19 00-1368 EA 20" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,111.76	627.11
<i>For Class 52 Rating, Deduct</i>	-347.78	
<i>For Class 54 Rating, Add</i>	237.12	
<i>For Class 55 Rating, Add</i>	527.04	
40 05 19 00-1369 EA 20" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,225.71	629.45
<i>For Class 52 Rating, Deduct</i>	-359.92	
<i>For Class 54 Rating, Add</i>	245.40	
<i>For Class 55 Rating, Add</i>	545.44	
40 05 19 00-1370 EA 20" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,339.66	631.79
<i>For Class 52 Rating, Deduct</i>	-372.06	
<i>For Class 54 Rating, Add</i>	253.68	
<i>For Class 55 Rating, Add</i>	563.85	
40 05 19 00-1371 EA 20" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,453.60	634.13
<i>For Class 52 Rating, Deduct</i>	-384.21	
<i>For Class 54 Rating, Add</i>	261.96	
<i>For Class 55 Rating, Add</i>	582.25	
40 05 19 00-1372 EA 20" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,567.55	636.48
<i>For Class 52 Rating, Deduct</i>	-396.35	
<i>For Class 54 Rating, Add</i>	270.24	
<i>For Class 55 Rating, Add</i>	600.65	
40 05 19 00-1373 EA 20" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,681.49	638.81
<i>For Class 52 Rating, Deduct</i>	-408.50	
<i>For Class 54 Rating, Add</i>	278.52	
<i>For Class 55 Rating, Add</i>	619.06	
40 05 19 00-1374 EA 20" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,795.44	641.14
<i>For Class 52 Rating, Deduct</i>	-420.64	
<i>For Class 54 Rating, Add</i>	286.80	
<i>For Class 55 Rating, Add</i>	637.46	
40 05 19 00-1375 EA 20" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,909.38	643.49
<i>For Class 52 Rating, Deduct</i>	-432.78	
<i>For Class 54 Rating, Add</i>	295.08	
<i>For Class 55 Rating, Add</i>	655.86	
40 05 19 00-1376 EA 20" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,023.33	645.83
<i>For Class 52 Rating, Deduct</i>	-444.93	
<i>For Class 54 Rating, Add</i>	303.36	
<i>For Class 55 Rating, Add</i>	674.27	
40 05 19 00-1377 EA 20" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,137.27	648.16
<i>For Class 52 Rating, Deduct</i>	-457.07	
<i>For Class 54 Rating, Add</i>	311.64	
<i>For Class 55 Rating, Add</i>	692.67	
40 05 19 00-1378 EA 20" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,251.22	650.51
<i>For Class 52 Rating, Deduct</i>	-469.22	
<i>For Class 54 Rating, Add</i>	319.92	
<i>For Class 55 Rating, Add</i>	711.08	
40 05 19 00-1379 EA 20" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,365.16	652.85
<i>For Class 52 Rating, Deduct</i>	-481.36	
<i>For Class 54 Rating, Add</i>	328.20	
<i>For Class 55 Rating, Add</i>	729.48	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1380	EA		20" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,479.11	655.20
			<i>For Class 52 Rating, Deduct</i>	-493.50	
			<i>For Class 54 Rating, Add</i>	336.48	
			<i>For Class 55 Rating, Add</i>	747.88	
40 05 19 00-1381	EA		20" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,593.06	657.53
			<i>For Class 52 Rating, Deduct</i>	-505.65	
			<i>For Class 54 Rating, Add</i>	344.76	
			<i>For Class 55 Rating, Add</i>	766.29	
40 05 19 00-1382	EA		20" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,707.00	659.86
			<i>For Class 52 Rating, Deduct</i>	-517.79	
			<i>For Class 54 Rating, Add</i>	353.04	
			<i>For Class 55 Rating, Add</i>	784.69	
40 05 19 00-1383	EA		20" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,820.95	662.21
			<i>For Class 52 Rating, Deduct</i>	-529.94	
			<i>For Class 54 Rating, Add</i>	361.32	
			<i>For Class 55 Rating, Add</i>	803.09	
40 05 19 00-1384	EA		20" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,934.89	664.54
			<i>For Class 52 Rating, Deduct</i>	-542.08	
			<i>For Class 54 Rating, Add</i>	369.60	
			<i>For Class 55 Rating, Add</i>	821.50	
40 05 19 00-1385			24" Flanged End x Plain End (FxPE), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <small>(40 05 19 00-1028)</small>		
40 05 19 00-1386	EA		24" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,088.06	683.26
			<i>For Class 52 Rating, Deduct</i>	-115.81	
			<i>For Class 54 Rating, Add</i>	78.96	
			<i>For Class 55 Rating, Add</i>	175.50	
40 05 19 00-1387	EA		24" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,228.40	685.61
			<i>For Class 52 Rating, Deduct</i>	-130.86	
			<i>For Class 54 Rating, Add</i>	89.22	
			<i>For Class 55 Rating, Add</i>	198.31	
40 05 19 00-1388	EA		24" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,368.75	687.95
			<i>For Class 52 Rating, Deduct</i>	-145.90	
			<i>For Class 54 Rating, Add</i>	99.48	
			<i>For Class 55 Rating, Add</i>	221.11	
40 05 19 00-1389	EA		24" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,509.09	690.28
			<i>For Class 52 Rating, Deduct</i>	-160.95	
			<i>For Class 54 Rating, Add</i>	109.74	
			<i>For Class 55 Rating, Add</i>	243.92	
40 05 19 00-1390	EA		24" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,649.44	692.63
			<i>For Class 52 Rating, Deduct</i>	-176.00	
			<i>For Class 54 Rating, Add</i>	120.00	
			<i>For Class 55 Rating, Add</i>	266.72	
40 05 19 00-1391	EA		24" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,789.78	694.97
			<i>For Class 52 Rating, Deduct</i>	-191.05	
			<i>For Class 54 Rating, Add</i>	130.26	
			<i>For Class 55 Rating, Add</i>	289.52	
40 05 19 00-1392	EA		24" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,930.13	697.31
			<i>For Class 52 Rating, Deduct</i>	-206.10	
			<i>For Class 54 Rating, Add</i>	140.52	
			<i>For Class 55 Rating, Add</i>	312.33	
40 05 19 00-1393	EA		24" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,070.47	699.65
			<i>For Class 52 Rating, Deduct</i>	-221.14	
			<i>For Class 54 Rating, Add</i>	150.78	
			<i>For Class 55 Rating, Add</i>	335.13	
40 05 19 00-1394	EA		24" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,210.82	701.99
			<i>For Class 52 Rating, Deduct</i>	-236.19	
			<i>For Class 54 Rating, Add</i>	161.04	
			<i>For Class 55 Rating, Add</i>	357.94	
40 05 19 00-1395	EA		24" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,351.17	704.33
			<i>For Class 52 Rating, Deduct</i>	-251.24	
			<i>For Class 54 Rating, Add</i>	171.30	
			<i>For Class 55 Rating, Add</i>	380.74	
40 05 19 00-1396	EA		24" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,491.51	706.66
			<i>For Class 52 Rating, Deduct</i>	-266.29	
			<i>For Class 54 Rating, Add</i>	181.56	
			<i>For Class 55 Rating, Add</i>	403.55	



Process Interconnections	40
Common Work Results For Process Interconnections	
40 05	40 05
Ductile Iron Process Pipe 40 05 19	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1397 EA 24" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,631.86	709.00
<i>For Class 52 Rating, Deduct</i>	-281.34	
<i>For Class 54 Rating, Add</i>	191.82	
<i>For Class 55 Rating, Add</i>	426.35	
40 05 19 00-1398 EA 24" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,772.20	711.35
<i>For Class 52 Rating, Deduct</i>	-296.38	
<i>For Class 54 Rating, Add</i>	202.08	
<i>For Class 55 Rating, Add</i>	449.16	
40 05 19 00-1399 EA 24" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,912.55	713.69
<i>For Class 52 Rating, Deduct</i>	-311.43	
<i>For Class 54 Rating, Add</i>	212.34	
<i>For Class 55 Rating, Add</i>	471.96	
40 05 19 00-1400 EA 24" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,052.89	716.02
<i>For Class 52 Rating, Deduct</i>	-326.48	
<i>For Class 54 Rating, Add</i>	222.60	
<i>For Class 55 Rating, Add</i>	494.77	
40 05 19 00-1401 EA 24" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,193.24	718.37
<i>For Class 52 Rating, Deduct</i>	-341.53	
<i>For Class 54 Rating, Add</i>	232.86	
<i>For Class 55 Rating, Add</i>	517.57	
40 05 19 00-1402 EA 24" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,333.58	720.71
<i>For Class 52 Rating, Deduct</i>	-356.58	
<i>For Class 54 Rating, Add</i>	243.12	
<i>For Class 55 Rating, Add</i>	540.37	
40 05 19 00-1403 EA 24" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,473.93	723.05
<i>For Class 52 Rating, Deduct</i>	-371.62	
<i>For Class 54 Rating, Add</i>	253.38	
<i>For Class 55 Rating, Add</i>	563.18	
40 05 19 00-1404 EA 24" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,614.27	725.39
<i>For Class 52 Rating, Deduct</i>	-386.67	
<i>For Class 54 Rating, Add</i>	263.64	
<i>For Class 55 Rating, Add</i>	585.98	
40 05 19 00-1405 EA 24" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,754.62	727.72
<i>For Class 52 Rating, Deduct</i>	-401.72	
<i>For Class 54 Rating, Add</i>	273.90	
<i>For Class 55 Rating, Add</i>	608.79	
40 05 19 00-1406 EA 24" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,894.97	730.07
<i>For Class 52 Rating, Deduct</i>	-416.77	
<i>For Class 54 Rating, Add</i>	284.16	
<i>For Class 55 Rating, Add</i>	631.59	
40 05 19 00-1407 EA 24" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,035.31	732.40
<i>For Class 52 Rating, Deduct</i>	-431.82	
<i>For Class 54 Rating, Add</i>	294.42	
<i>For Class 55 Rating, Add</i>	654.40	
40 05 19 00-1408 EA 24" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,175.66	734.75
<i>For Class 52 Rating, Deduct</i>	-446.86	
<i>For Class 54 Rating, Add</i>	304.68	
<i>For Class 55 Rating, Add</i>	677.20	
40 05 19 00-1409 EA 24" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,316.00	737.09
<i>For Class 52 Rating, Deduct</i>	-461.91	
<i>For Class 54 Rating, Add</i>	314.94	
<i>For Class 55 Rating, Add</i>	700.01	
40 05 19 00-1410 EA 24" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,456.35	739.43
<i>For Class 52 Rating, Deduct</i>	-476.96	
<i>For Class 54 Rating, Add</i>	325.20	
<i>For Class 55 Rating, Add</i>	722.81	
40 05 19 00-1411 EA 24" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,596.69	741.77
<i>For Class 52 Rating, Deduct</i>	-492.01	
<i>For Class 54 Rating, Add</i>	335.46	
<i>For Class 55 Rating, Add</i>	745.62	
40 05 19 00-1412 EA 24" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,737.04	744.11
<i>For Class 52 Rating, Deduct</i>	-507.06	
<i>For Class 54 Rating, Add</i>	345.72	
<i>For Class 55 Rating, Add</i>	768.42	
40 05 19 00-1413 EA 24" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,877.38	746.45
<i>For Class 52 Rating, Deduct</i>	-522.10	
<i>For Class 54 Rating, Add</i>	355.98	
<i>For Class 55 Rating, Add</i>	791.22	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1414	EA		24" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,017.73	748.78
			<i>For Class 52 Rating, Deduct</i>	-537.15	
			<i>For Class 54 Rating, Add</i>	366.24	
			<i>For Class 55 Rating, Add</i>	814.03	
40 05 19 00-1415	EA		24" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,218.35	790.91
			<i>For Class 52 Rating, Deduct</i>	-552.20	
			<i>For Class 54 Rating, Add</i>	376.50	
			<i>For Class 55 Rating, Add</i>	836.83	
40 05 19 00-1416	EA		24" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,358.69	793.24
			<i>For Class 52 Rating, Deduct</i>	-567.25	
			<i>For Class 54 Rating, Add</i>	386.76	
			<i>For Class 55 Rating, Add</i>	859.64	
40 05 19 00-1417	EA		24" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,499.04	795.58
			<i>For Class 52 Rating, Deduct</i>	-582.30	
			<i>For Class 54 Rating, Add</i>	397.02	
			<i>For Class 55 Rating, Add</i>	882.44	
40 05 19 00-1418	EA		24" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,639.38	797.93
			<i>For Class 52 Rating, Deduct</i>	-597.34	
			<i>For Class 54 Rating, Add</i>	407.28	
			<i>For Class 55 Rating, Add</i>	905.25	
40 05 19 00-1419	EA		24" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,779.73	800.26
			<i>For Class 52 Rating, Deduct</i>	-612.39	
			<i>For Class 54 Rating, Add</i>	417.54	
			<i>For Class 55 Rating, Add</i>	928.05	
40 05 19 00-1420	EA		24" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,920.06	802.61
			<i>For Class 52 Rating, Deduct</i>	-627.44	
			<i>For Class 54 Rating, Add</i>	427.80	
			<i>For Class 55 Rating, Add</i>	950.86	
40 05 19 00-1421	EA		24" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,060.42	804.95
			<i>For Class 52 Rating, Deduct</i>	-642.49	
			<i>For Class 54 Rating, Add</i>	438.06	
			<i>For Class 55 Rating, Add</i>	973.66	
40 05 19 00-1422	EA		24" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,200.76	807.28
			<i>For Class 52 Rating, Deduct</i>	-657.54	
			<i>For Class 54 Rating, Add</i>	448.32	
			<i>For Class 55 Rating, Add</i>	996.47	
40 05 19 00-1423	EA		24" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,341.10	809.63
			<i>For Class 52 Rating, Deduct</i>	-672.58	
			<i>For Class 54 Rating, Add</i>	458.58	
			<i>For Class 55 Rating, Add</i>	1,019.27	
40 05 19 00-1424			30" Flanged End x Plain End (FxPE), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <small>(40 05 19 00-1028)</small>		
40 05 19 00-1425	EA		30" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,124.70	964.07
			<i>For Class 52 Rating, Deduct</i>	-183.04	
			<i>For Class 54 Rating, Add</i>	124.80	
			<i>For Class 55 Rating, Add</i>	277.39	
40 05 19 00-1426	EA		30" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,325.85	966.40
			<i>For Class 52 Rating, Deduct</i>	-204.78	
			<i>For Class 54 Rating, Add</i>	139.62	
			<i>For Class 55 Rating, Add</i>	310.33	
40 05 19 00-1427	EA		30" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,526.99	968.75
			<i>For Class 52 Rating, Deduct</i>	-226.51	
			<i>For Class 54 Rating, Add</i>	154.44	
			<i>For Class 55 Rating, Add</i>	343.27	
40 05 19 00-1428	EA		30" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,728.14	971.09
			<i>For Class 52 Rating, Deduct</i>	-248.25	
			<i>For Class 54 Rating, Add</i>	169.26	
			<i>For Class 55 Rating, Add</i>	376.21	
40 05 19 00-1429	EA		30" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,929.28	973.42
			<i>For Class 52 Rating, Deduct</i>	-269.98	
			<i>For Class 54 Rating, Add</i>	184.08	
			<i>For Class 55 Rating, Add</i>	409.15	
40 05 19 00-1430	EA		30" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,130.43	975.76
			<i>For Class 52 Rating, Deduct</i>	-291.72	
			<i>For Class 54 Rating, Add</i>	198.90	
			<i>For Class 55 Rating, Add</i>	442.09	



Process Interconnections	40
Common Work Results For Process Interconnections	
Ductile Iron Process Pipe	40 05 19

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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1431 EA 30" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,331.57	978.10
<i>For Class 52 Rating, Deduct</i>	-313.46	
<i>For Class 54 Rating, Add</i>	213.72	
<i>For Class 55 Rating, Add</i>	475.03	
40 05 19 00-1432 EA 30" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,532.72	980.45
<i>For Class 52 Rating, Deduct</i>	-335.19	
<i>For Class 54 Rating, Add</i>	228.54	
<i>For Class 55 Rating, Add</i>	507.97	
40 05 19 00-1433 EA 30" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,733.87	982.78
<i>For Class 52 Rating, Deduct</i>	-356.93	
<i>For Class 54 Rating, Add</i>	243.36	
<i>For Class 55 Rating, Add</i>	540.91	
40 05 19 00-1434 EA 30" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,935.01	985.12
<i>For Class 52 Rating, Deduct</i>	-378.66	
<i>For Class 54 Rating, Add</i>	258.18	
<i>For Class 55 Rating, Add</i>	573.85	
40 05 19 00-1435 EA 30" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,136.16	987.47
<i>For Class 52 Rating, Deduct</i>	-400.40	
<i>For Class 54 Rating, Add</i>	273.00	
<i>For Class 55 Rating, Add</i>	606.79	
40 05 19 00-1436 EA 30" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,337.30	989.81
<i>For Class 52 Rating, Deduct</i>	-422.14	
<i>For Class 54 Rating, Add</i>	287.82	
<i>For Class 55 Rating, Add</i>	639.73	
40 05 19 00-1437 EA 30" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,538.45	992.14
<i>For Class 52 Rating, Deduct</i>	-443.87	
<i>For Class 54 Rating, Add</i>	302.64	
<i>For Class 55 Rating, Add</i>	672.67	
40 05 19 00-1438 EA 30" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,739.59	994.48
<i>For Class 52 Rating, Deduct</i>	-465.61	
<i>For Class 54 Rating, Add</i>	317.46	
<i>For Class 55 Rating, Add</i>	705.61	
40 05 19 00-1439 EA 30" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,940.74	996.82
<i>For Class 52 Rating, Deduct</i>	-487.34	
<i>For Class 54 Rating, Add</i>	332.28	
<i>For Class 55 Rating, Add</i>	738.55	
40 05 19 00-1440 EA 30" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,141.88	999.16
<i>For Class 52 Rating, Deduct</i>	-509.08	
<i>For Class 54 Rating, Add</i>	347.10	
<i>For Class 55 Rating, Add</i>	771.49	
40 05 19 00-1441 EA 30" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,343.03	1,001.50
<i>For Class 52 Rating, Deduct</i>	-530.82	
<i>For Class 54 Rating, Add</i>	361.92	
<i>For Class 55 Rating, Add</i>	804.43	
40 05 19 00-1442 EA 30" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,544.17	1,003.84
<i>For Class 52 Rating, Deduct</i>	-552.55	
<i>For Class 54 Rating, Add</i>	376.74	
<i>For Class 55 Rating, Add</i>	837.37	
40 05 19 00-1443 EA 30" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,745.32	1,006.19
<i>For Class 52 Rating, Deduct</i>	-574.29	
<i>For Class 54 Rating, Add</i>	391.56	
<i>For Class 55 Rating, Add</i>	870.31	
40 05 19 00-1444 EA 30" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,946.47	1,008.52
<i>For Class 52 Rating, Deduct</i>	-596.02	
<i>For Class 54 Rating, Add</i>	406.38	
<i>For Class 55 Rating, Add</i>	903.25	
40 05 19 00-1445 EA 30" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,147.61	1,010.86
<i>For Class 52 Rating, Deduct</i>	-617.76	
<i>For Class 54 Rating, Add</i>	421.20	
<i>For Class 55 Rating, Add</i>	936.19	
40 05 19 00-1446 EA 30" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,348.76	1,013.21
<i>For Class 52 Rating, Deduct</i>	-639.50	
<i>For Class 54 Rating, Add</i>	436.02	
<i>For Class 55 Rating, Add</i>	969.13	
40 05 19 00-1447 EA 30" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,549.90	1,015.53
<i>For Class 52 Rating, Deduct</i>	-661.23	
<i>For Class 54 Rating, Add</i>	450.84	
<i>For Class 55 Rating, Add</i>	1,002.07	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1448	EA		30" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,751.05	1,017.88
			<i>For Class 52 Rating, Deduct</i>	-682.97	
			<i>For Class 54 Rating, Add</i>	465.66	
			<i>For Class 55 Rating, Add</i>	1,035.01	
40 05 19 00-1449	EA		30" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,952.19	1,020.22
			<i>For Class 52 Rating, Deduct</i>	-704.70	
			<i>For Class 54 Rating, Add</i>	480.48	
			<i>For Class 55 Rating, Add</i>	1,067.95	
40 05 19 00-1450	EA		30" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,153.34	1,022.56
			<i>For Class 52 Rating, Deduct</i>	-726.44	
			<i>For Class 54 Rating, Add</i>	495.30	
			<i>For Class 55 Rating, Add</i>	1,100.89	
40 05 19 00-1451	EA		30" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,354.48	1,024.90
			<i>For Class 52 Rating, Deduct</i>	-748.18	
			<i>For Class 54 Rating, Add</i>	510.12	
			<i>For Class 55 Rating, Add</i>	1,133.83	
40 05 19 00-1452	EA		30" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,555.63	1,027.24
			<i>For Class 52 Rating, Deduct</i>	-769.91	
			<i>For Class 54 Rating, Add</i>	524.94	
			<i>For Class 55 Rating, Add</i>	1,166.77	
40 05 19 00-1453	EA		30" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,756.77	1,029.59
			<i>For Class 52 Rating, Deduct</i>	-791.65	
			<i>For Class 54 Rating, Add</i>	539.76	
			<i>For Class 55 Rating, Add</i>	1,199.71	
40 05 19 00-1454	EA		30" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,957.92	1,031.93
			<i>For Class 52 Rating, Deduct</i>	-813.38	
			<i>For Class 54 Rating, Add</i>	554.58	
			<i>For Class 55 Rating, Add</i>	1,232.65	
40 05 19 00-1455	EA		30" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,159.07	1,034.26
			<i>For Class 52 Rating, Deduct</i>	-835.12	
			<i>For Class 54 Rating, Add</i>	569.40	
			<i>For Class 55 Rating, Add</i>	1,265.59	
40 05 19 00-1456	EA		30" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,360.21	1,036.61
			<i>For Class 52 Rating, Deduct</i>	-856.86	
			<i>For Class 54 Rating, Add</i>	584.22	
			<i>For Class 55 Rating, Add</i>	1,298.53	
40 05 19 00-1457	EA		30" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,561.36	1,038.94
			<i>For Class 52 Rating, Deduct</i>	-878.59	
			<i>For Class 54 Rating, Add</i>	599.04	
			<i>For Class 55 Rating, Add</i>	1,331.47	
40 05 19 00-1458	EA		30" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,762.50	1,041.27
			<i>For Class 52 Rating, Deduct</i>	-900.33	
			<i>For Class 54 Rating, Add</i>	613.86	
			<i>For Class 55 Rating, Add</i>	1,364.41	
40 05 19 00-1459	EA		30" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,963.65	1,043.62
			<i>For Class 52 Rating, Deduct</i>	-922.06	
			<i>For Class 54 Rating, Add</i>	628.68	
			<i>For Class 55 Rating, Add</i>	1,397.35	
40 05 19 00-1460	EA		30" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,164.79	1,045.96
			<i>For Class 52 Rating, Deduct</i>	-943.80	
			<i>For Class 54 Rating, Add</i>	643.50	
			<i>For Class 55 Rating, Add</i>	1,430.29	
40 05 19 00-1461	EA		30" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,365.94	1,048.31
			<i>For Class 52 Rating, Deduct</i>	-965.54	
			<i>For Class 54 Rating, Add</i>	658.32	
			<i>For Class 55 Rating, Add</i>	1,463.23	
40 05 19 00-1462	EA		30" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,567.08	1,050.64
			<i>For Class 52 Rating, Deduct</i>	-987.27	
			<i>For Class 54 Rating, Add</i>	673.14	
			<i>For Class 55 Rating, Add</i>	1,496.17	
40 05 19 00-1463			36" Flanged End x Plain End (FxPE), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		
			<small>(40 05 19 00-1028)</small>		
40 05 19 00-1464	EA		36" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,220.29	1,221.46
			<i>For Class 52 Rating, Deduct</i>	-260.66	
			<i>For Class 54 Rating, Add</i>	177.72	
			<i>For Class 55 Rating, Add</i>	395.01	



Process Interconnections	40
Common Work Results For Process Interconnections	
Ductile Iron Process Pipe	40 05 19

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1465 EA 36" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,492.64	1,223.80
<i>For Class 52 Rating, Deduct</i>	-290.22	
<i>For Class 54 Rating, Add</i>	197.88	
<i>For Class 55 Rating, Add</i>	439.82	
40 05 19 00-1466 EA 36" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,764.98	1,226.13
<i>For Class 52 Rating, Deduct</i>	-319.79	
<i>For Class 54 Rating, Add</i>	218.04	
<i>For Class 55 Rating, Add</i>	484.63	
40 05 19 00-1467 EA 36" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,037.33	1,228.48
<i>For Class 52 Rating, Deduct</i>	-349.36	
<i>For Class 54 Rating, Add</i>	238.20	
<i>For Class 55 Rating, Add</i>	529.44	
40 05 19 00-1468 EA 36" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,309.67	1,230.82
<i>For Class 52 Rating, Deduct</i>	-378.93	
<i>For Class 54 Rating, Add</i>	258.36	
<i>For Class 55 Rating, Add</i>	574.25	
40 05 19 00-1469 EA 36" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,582.02	1,233.16
<i>For Class 52 Rating, Deduct</i>	-408.50	
<i>For Class 54 Rating, Add</i>	278.52	
<i>For Class 55 Rating, Add</i>	619.06	
40 05 19 00-1470 EA 36" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,854.37	1,235.50
<i>For Class 52 Rating, Deduct</i>	-438.06	
<i>For Class 54 Rating, Add</i>	298.68	
<i>For Class 55 Rating, Add</i>	663.87	
40 05 19 00-1471 EA 36" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,126.71	1,237.84
<i>For Class 52 Rating, Deduct</i>	-467.63	
<i>For Class 54 Rating, Add</i>	318.84	
<i>For Class 55 Rating, Add</i>	708.68	
40 05 19 00-1472 EA 36" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,399.06	1,240.18
<i>For Class 52 Rating, Deduct</i>	-497.20	
<i>For Class 54 Rating, Add</i>	339.00	
<i>For Class 55 Rating, Add</i>	753.48	
40 05 19 00-1473 EA 36" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,671.40	1,242.51
<i>For Class 52 Rating, Deduct</i>	-526.77	
<i>For Class 54 Rating, Add</i>	359.16	
<i>For Class 55 Rating, Add</i>	798.29	
40 05 19 00-1474 EA 36" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,943.75	1,244.86
<i>For Class 52 Rating, Deduct</i>	-556.34	
<i>For Class 54 Rating, Add</i>	379.32	
<i>For Class 55 Rating, Add</i>	843.10	
40 05 19 00-1475 EA 36" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,216.09	1,247.20
<i>For Class 52 Rating, Deduct</i>	-585.90	
<i>For Class 54 Rating, Add</i>	399.48	
<i>For Class 55 Rating, Add</i>	887.91	
40 05 19 00-1476 EA 36" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,488.44	1,249.53
<i>For Class 52 Rating, Deduct</i>	-615.47	
<i>For Class 54 Rating, Add</i>	419.64	
<i>For Class 55 Rating, Add</i>	932.72	
40 05 19 00-1477 EA 36" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,760.78	1,251.88
<i>For Class 52 Rating, Deduct</i>	-645.04	
<i>For Class 54 Rating, Add</i>	439.80	
<i>For Class 55 Rating, Add</i>	977.53	
40 05 19 00-1478 EA 36" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,033.13	1,254.22
<i>For Class 52 Rating, Deduct</i>	-674.61	
<i>For Class 54 Rating, Add</i>	459.96	
<i>For Class 55 Rating, Add</i>	1,022.34	
40 05 19 00-1479 EA 36" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,305.47	1,256.56
<i>For Class 52 Rating, Deduct</i>	-704.18	
<i>For Class 54 Rating, Add</i>	480.12	
<i>For Class 55 Rating, Add</i>	1,067.15	
40 05 19 00-1480 EA 36" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,577.82	1,258.90
<i>For Class 52 Rating, Deduct</i>	-733.74	
<i>For Class 54 Rating, Add</i>	500.28	
<i>For Class 55 Rating, Add</i>	1,111.96	
40 05 19 00-1481 EA 36" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,850.17	1,261.24
<i>For Class 52 Rating, Deduct</i>	-763.31	
<i>For Class 54 Rating, Add</i>	520.44	
<i>For Class 55 Rating, Add</i>	1,156.76	

40 Process Interconnections

40 05 Common Work Results For Process Interconnections

40 05 19 Ductile Iron Process Pipe



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1482	EA		36" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,122.51	1,263.58
			For Class 52 Rating, Deduct	-792.88	
			For Class 54 Rating, Add	540.60	
			For Class 55 Rating, Add	1,201.57	
40 05 19 00-1483	EA		36" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,394.86	1,265.92
			For Class 52 Rating, Deduct	-822.45	
			For Class 54 Rating, Add	560.76	
			For Class 55 Rating, Add	1,246.38	
40 05 19 00-1484	EA		36" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,667.20	1,268.25
			For Class 52 Rating, Deduct	-852.02	
			For Class 54 Rating, Add	580.92	
			For Class 55 Rating, Add	1,291.19	
40 05 19 00-1485	EA		36" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,939.55	1,270.60
			For Class 52 Rating, Deduct	-881.58	
			For Class 54 Rating, Add	601.08	
			For Class 55 Rating, Add	1,336.00	
40 05 19 00-1486	EA		36" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,211.89	1,272.94
			For Class 52 Rating, Deduct	-911.15	
			For Class 54 Rating, Add	621.24	
			For Class 55 Rating, Add	1,380.81	
40 05 19 00-1487	EA		36" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,484.24	1,275.27
			For Class 52 Rating, Deduct	-940.72	
			For Class 54 Rating, Add	641.40	
			For Class 55 Rating, Add	1,425.62	
40 05 19 00-1488	EA		36" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,756.58	1,277.62
			For Class 52 Rating, Deduct	-970.29	
			For Class 54 Rating, Add	661.56	
			For Class 55 Rating, Add	1,470.43	
40 05 19 00-1489	EA		36" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,028.93	1,279.96
			For Class 52 Rating, Deduct	-999.86	
			For Class 54 Rating, Add	681.72	
			For Class 55 Rating, Add	1,515.24	
40 05 19 00-1490	EA		36" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,301.28	1,282.31
			For Class 52 Rating, Deduct	-1,029.42	
			For Class 54 Rating, Add	701.88	
			For Class 55 Rating, Add	1,560.05	
40 05 19 00-1491	EA		36" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,573.62	1,284.63
			For Class 52 Rating, Deduct	-1,058.99	
			For Class 54 Rating, Add	722.04	
			For Class 55 Rating, Add	1,604.85	
40 05 19 00-1492	EA		36" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,845.97	1,286.97
			For Class 52 Rating, Deduct	-1,088.56	
			For Class 54 Rating, Add	742.20	
			For Class 55 Rating, Add	1,649.66	
40 05 19 00-1493	EA		36" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,118.31	1,289.32
			For Class 52 Rating, Deduct	-1,118.13	
			For Class 54 Rating, Add	762.36	
			For Class 55 Rating, Add	1,694.47	
40 05 19 00-1494	EA		36" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,390.66	1,291.65
			For Class 52 Rating, Deduct	-1,147.70	
			For Class 54 Rating, Add	782.52	
			For Class 55 Rating, Add	1,739.28	
40 05 19 00-1495	EA		36" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,663.00	1,294.00
			For Class 52 Rating, Deduct	-1,177.26	
			For Class 54 Rating, Add	802.68	
			For Class 55 Rating, Add	1,784.09	
40 05 19 00-1496	EA		36" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,935.35	1,296.34
			For Class 52 Rating, Deduct	-1,206.83	
			For Class 54 Rating, Add	822.84	
			For Class 55 Rating, Add	1,828.90	
40 05 19 00-1497	EA		36" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,207.69	1,298.68
			For Class 52 Rating, Deduct	-1,236.40	
			For Class 54 Rating, Add	843.00	
			For Class 55 Rating, Add	1,873.71	
40 05 19 00-1498	EA		36" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,480.04	1,301.02
			For Class 52 Rating, Deduct	-1,265.97	
			For Class 54 Rating, Add	863.16	
			For Class 55 Rating, Add	1,918.52	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1499 EA 36" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,752.38	1,303.36
For Class 52 Rating, Deduct	-1,295.54	
For Class 54 Rating, Add	883.32	
For Class 55 Rating, Add	1,963.33	
40 05 19 00-1500 EA 36" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,024.73	1,305.70
For Class 52 Rating, Deduct	-1,325.10	
For Class 54 Rating, Add	903.48	
For Class 55 Rating, Add	2,008.13	
40 05 19 00-1501 EA 36" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,297.08	1,308.03
For Class 52 Rating, Deduct	-1,354.67	
For Class 54 Rating, Add	923.64	
For Class 55 Rating, Add	2,052.94	
40 05 19 00-1502 42" Flanged End x Plain End (FxPE), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		
<small>(40 05 19 00-1028)</small>		
40 05 19 00-1503 EA 42" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,509.67	1,539.70
For Class 52 Rating, Deduct	-349.45	
For Class 54 Rating, Add	238.26	
For Class 55 Rating, Add	529.57	
40 05 19 00-1504 EA 42" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,914.81	1,542.03
For Class 52 Rating, Deduct	-393.62	
For Class 54 Rating, Add	268.38	
For Class 55 Rating, Add	596.52	
40 05 19 00-1505 EA 42" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,315.16	1,544.37
For Class 52 Rating, Deduct	-437.27	
For Class 54 Rating, Add	298.14	
For Class 55 Rating, Add	662.67	
40 05 19 00-1506 EA 42" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,719.50	1,546.72
For Class 52 Rating, Deduct	-481.36	
For Class 54 Rating, Add	328.20	
For Class 55 Rating, Add	729.48	
40 05 19 00-1507 EA 42" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,119.85	1,549.06
For Class 52 Rating, Deduct	-525.01	
For Class 54 Rating, Add	357.96	
For Class 55 Rating, Add	795.63	
40 05 19 00-1508 EA 42" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,524.99	1,551.38
For Class 52 Rating, Deduct	-569.18	
For Class 54 Rating, Add	388.08	
For Class 55 Rating, Add	862.57	
40 05 19 00-1509 EA 42" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,924.54	1,553.73
For Class 52 Rating, Deduct	-612.74	
For Class 54 Rating, Add	417.78	
For Class 55 Rating, Add	928.59	
40 05 19 00-1510 EA 42" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,329.68	1,556.07
For Class 52 Rating, Deduct	-656.92	
For Class 54 Rating, Add	447.90	
For Class 55 Rating, Add	995.53	
40 05 19 00-1511 EA 42" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,730.03	1,558.42
For Class 52 Rating, Deduct	-700.57	
For Class 54 Rating, Add	477.66	
For Class 55 Rating, Add	1,061.68	
40 05 19 00-1512 EA 42" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,134.38	1,560.75
For Class 52 Rating, Deduct	-744.66	
For Class 54 Rating, Add	507.72	
For Class 55 Rating, Add	1,128.49	
40 05 19 00-1513 EA 42" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,534.72	1,563.09
For Class 52 Rating, Deduct	-788.30	
For Class 54 Rating, Add	537.48	
For Class 55 Rating, Add	1,194.64	
40 05 19 00-1514 EA 42" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,939.07	1,565.44
For Class 52 Rating, Deduct	-832.39	
For Class 54 Rating, Add	567.54	
For Class 55 Rating, Add	1,261.45	
40 05 19 00-1515 EA 42" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,339.41	1,567.77
For Class 52 Rating, Deduct	-876.04	
For Class 54 Rating, Add	597.30	
For Class 55 Rating, Add	1,327.60	

40 Process Interconnections

40 05 Common Work Results For Process Interconnections

40 05 19 Ductile Iron Process Pipe



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1516	EA		42" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,740.56	1,570.11
			<i>For Class 52 Rating, Deduct</i>	-919.78	
			<i>For Class 54 Rating, Add</i>	627.12	
			<i>For Class 55 Rating, Add</i>	1,393.88	
40 05 19 00-1517	EA		42" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,144.10	1,572.46
			<i>For Class 52 Rating, Deduct</i>	-963.78	
			<i>For Class 54 Rating, Add</i>	657.12	
			<i>For Class 55 Rating, Add</i>	1,460.56	
40 05 19 00-1518	EA		42" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,544.45	1,574.79
			<i>For Class 52 Rating, Deduct</i>	-1,007.42	
			<i>For Class 54 Rating, Add</i>	686.88	
			<i>For Class 55 Rating, Add</i>	1,526.71	
40 05 19 00-1519	EA		42" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,949.59	1,577.13
			<i>For Class 52 Rating, Deduct</i>	-1,051.60	
			<i>For Class 54 Rating, Add</i>	717.00	
			<i>For Class 55 Rating, Add</i>	1,593.65	
40 05 19 00-1520	EA		42" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,349.94	1,579.47
			<i>For Class 52 Rating, Deduct</i>	-1,095.25	
			<i>For Class 54 Rating, Add</i>	746.76	
			<i>For Class 55 Rating, Add</i>	1,659.80	
40 05 19 00-1521	EA		42" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,754.28	1,581.81
			<i>For Class 52 Rating, Deduct</i>	-1,139.34	
			<i>For Class 54 Rating, Add</i>	776.82	
			<i>For Class 55 Rating, Add</i>	1,726.61	
40 05 19 00-1522	EA		42" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,154.63	1,584.15
			<i>For Class 52 Rating, Deduct</i>	-1,182.98	
			<i>For Class 54 Rating, Add</i>	806.58	
			<i>For Class 55 Rating, Add</i>	1,792.76	
40 05 19 00-1523	EA		42" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,559.78	1,586.49
			<i>For Class 52 Rating, Deduct</i>	-1,227.16	
			<i>For Class 54 Rating, Add</i>	836.70	
			<i>For Class 55 Rating, Add</i>	1,859.71	
40 05 19 00-1524	EA		42" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,960.12	1,588.83
			<i>For Class 52 Rating, Deduct</i>	-1,270.81	
			<i>For Class 54 Rating, Add</i>	866.46	
			<i>For Class 55 Rating, Add</i>	1,925.85	
40 05 19 00-1525	EA		42" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,364.47	1,591.18
			<i>For Class 52 Rating, Deduct</i>	-1,314.90	
			<i>For Class 54 Rating, Add</i>	896.52	
			<i>For Class 55 Rating, Add</i>	1,992.67	
40 05 19 00-1526	EA		42" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,764.81	1,593.51
			<i>For Class 52 Rating, Deduct</i>	-1,358.54	
			<i>For Class 54 Rating, Add</i>	926.28	
			<i>For Class 55 Rating, Add</i>	2,058.81	
40 05 19 00-1527	EA		42" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	15,169.96	1,595.86
			<i>For Class 52 Rating, Deduct</i>	-1,402.72	
			<i>For Class 54 Rating, Add</i>	956.40	
			<i>For Class 55 Rating, Add</i>	2,125.76	
40 05 19 00-1528	EA		42" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	15,570.30	1,598.19
			<i>For Class 52 Rating, Deduct</i>	-1,446.37	
			<i>For Class 54 Rating, Add</i>	986.16	
			<i>For Class 55 Rating, Add</i>	2,191.90	
40 05 19 00-1529	EA		42" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	15,973.85	1,600.52
			<i>For Class 52 Rating, Deduct</i>	-1,490.37	
			<i>For Class 54 Rating, Add</i>	1,016.16	
			<i>For Class 55 Rating, Add</i>	2,258.58	
40 05 19 00-1530	EA		42" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	16,374.99	1,602.87
			<i>For Class 52 Rating, Deduct</i>	-1,534.10	
			<i>For Class 54 Rating, Add</i>	1,045.98	
			<i>For Class 55 Rating, Add</i>	2,324.86	
40 05 19 00-1531	EA		42" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	16,695.34	1,605.21
			<i>For Class 52 Rating, Deduct</i>	-1,568.95	
			<i>For Class 54 Rating, Add</i>	1,069.74	
			<i>For Class 55 Rating, Add</i>	2,377.68	
40 05 19 00-1532	EA		42" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	17,179.68	1,607.56
			<i>For Class 52 Rating, Deduct</i>	-1,621.84	
			<i>For Class 54 Rating, Add</i>	1,105.80	
			<i>For Class 55 Rating, Add</i>	2,457.82	



Process Interconnections	40
Common Work Results For Process Interconnections	
Ductile Iron Process Pipe	40 05 19

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1533 EA 42" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	17,580.03	1,609.89
<i>For Class 52 Rating, Deduct</i>	-1,665.49	
<i>For Class 54 Rating, Add</i>	1,135.56	
<i>For Class 55 Rating, Add</i>	2,523.97	
40 05 19 00-1534 EA 42" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	17,984.38	1,612.23
<i>For Class 52 Rating, Deduct</i>	-1,709.58	
<i>For Class 54 Rating, Add</i>	1,165.62	
<i>For Class 55 Rating, Add</i>	2,590.78	
40 05 19 00-1535 EA 42" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	18,384.72	1,614.58
<i>For Class 52 Rating, Deduct</i>	-1,753.22	
<i>For Class 54 Rating, Add</i>	1,195.38	
<i>For Class 55 Rating, Add</i>	2,656.93	
40 05 19 00-1536 EA 42" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	18,789.87	1,616.92
<i>For Class 52 Rating, Deduct</i>	-1,797.40	
<i>For Class 54 Rating, Add</i>	1,225.50	
<i>For Class 55 Rating, Add</i>	2,723.88	
40 05 19 00-1537 EA 42" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	19,189.41	1,619.24
<i>For Class 52 Rating, Deduct</i>	-1,840.96	
<i>For Class 54 Rating, Add</i>	1,255.20	
<i>For Class 55 Rating, Add</i>	2,789.89	
40 05 19 00-1538 EA 42" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	19,594.56	1,621.59
<i>For Class 52 Rating, Deduct</i>	-1,885.14	
<i>For Class 54 Rating, Add</i>	1,285.32	
<i>For Class 55 Rating, Add</i>	2,856.84	
40 05 19 00-1539 EA 42" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	19,994.90	1,623.93
<i>For Class 52 Rating, Deduct</i>	-1,928.78	
<i>For Class 54 Rating, Add</i>	1,315.08	
<i>For Class 55 Rating, Add</i>	2,922.98	
40 05 19 00-1540 EA 42" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	20,399.25	1,626.27
<i>For Class 52 Rating, Deduct</i>	-1,972.87	
<i>For Class 54 Rating, Add</i>	1,345.14	
<i>For Class 55 Rating, Add</i>	2,989.80	
40 05 19 00-1541 48" Flanged End x Plain End (FxPE), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		
<small>(40 05 19 00-1028)</small>		
40 05 19 00-1542 EA 48" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,063.24	1,935.14
<i>For Class 52 Rating, Deduct</i>	-454.43	
<i>For Class 54 Rating, Add</i>	309.84	
<i>For Class 55 Rating, Add</i>	688.67	
40 05 19 00-1543 EA 48" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,651.59	1,937.48
<i>For Class 52 Rating, Deduct</i>	-518.76	
<i>For Class 54 Rating, Add</i>	353.70	
<i>For Class 55 Rating, Add</i>	786.16	
40 05 19 00-1544 EA 48" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,239.13	1,939.83
<i>For Class 52 Rating, Deduct</i>	-583.00	
<i>For Class 54 Rating, Add</i>	397.50	
<i>For Class 55 Rating, Add</i>	883.51	
40 05 19 00-1545 EA 48" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,831.48	1,942.17
<i>For Class 52 Rating, Deduct</i>	-647.77	
<i>For Class 54 Rating, Add</i>	441.66	
<i>For Class 55 Rating, Add</i>	981.66	
40 05 19 00-1546 EA 48" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,419.82	1,944.50
<i>For Class 52 Rating, Deduct</i>	-712.10	
<i>For Class 54 Rating, Add</i>	485.52	
<i>For Class 55 Rating, Add</i>	1,079.15	
40 05 19 00-1547 EA 48" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,008.17	1,946.85
<i>For Class 52 Rating, Deduct</i>	-776.42	
<i>For Class 54 Rating, Add</i>	529.38	
<i>For Class 55 Rating, Add</i>	1,176.64	
40 05 19 00-1548 EA 48" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,599.71	1,949.19
<i>For Class 52 Rating, Deduct</i>	-841.10	
<i>For Class 54 Rating, Add</i>	573.48	
<i>For Class 55 Rating, Add</i>	1,274.65	
40 05 19 00-1549 EA 48" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,188.86	1,951.53
<i>For Class 52 Rating, Deduct</i>	-905.52	
<i>For Class 54 Rating, Add</i>	617.40	
<i>For Class 55 Rating, Add</i>	1,372.27	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1550	EA		48" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,776.40	1,953.86
			<i>For Class 52 Rating, Deduct</i>	-969.76	
			<i>For Class 54 Rating, Add</i>	661.20	
			<i>For Class 55 Rating, Add</i>	1,469.63	
40 05 19 00-1551	EA		48" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,368.75	1,956.20
			<i>For Class 52 Rating, Deduct</i>	-1,034.53	
			<i>For Class 54 Rating, Add</i>	705.36	
			<i>For Class 55 Rating, Add</i>	1,567.78	
40 05 19 00-1552	EA		48" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,957.09	1,958.55
			<i>For Class 52 Rating, Deduct</i>	-1,098.86	
			<i>For Class 54 Rating, Add</i>	749.22	
			<i>For Class 55 Rating, Add</i>	1,665.27	
40 05 19 00-1553	EA		48" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,549.44	1,960.88
			<i>For Class 52 Rating, Deduct</i>	-1,163.62	
			<i>For Class 54 Rating, Add</i>	793.38	
			<i>For Class 55 Rating, Add</i>	1,763.42	
40 05 19 00-1554	EA		48" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,136.99	1,963.22
			<i>For Class 52 Rating, Deduct</i>	-1,227.86	
			<i>For Class 54 Rating, Add</i>	837.18	
			<i>For Class 55 Rating, Add</i>	1,860.77	
40 05 19 00-1555	EA		48" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,725.33	1,965.57
			<i>For Class 52 Rating, Deduct</i>	-1,292.19	
			<i>For Class 54 Rating, Add</i>	881.04	
			<i>For Class 55 Rating, Add</i>	1,958.26	
40 05 19 00-1556	EA		48" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	15,317.68	1,967.91
			<i>For Class 52 Rating, Deduct</i>	-1,356.96	
			<i>For Class 54 Rating, Add</i>	925.20	
			<i>For Class 55 Rating, Add</i>	2,056.41	
40 05 19 00-1557	EA		48" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	15,906.02	1,970.25
			<i>For Class 52 Rating, Deduct</i>	-1,421.29	
			<i>For Class 54 Rating, Add</i>	969.06	
			<i>For Class 55 Rating, Add</i>	2,153.90	
40 05 19 00-1558	EA		48" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	16,493.57	1,972.59
			<i>For Class 52 Rating, Deduct</i>	-1,485.53	
			<i>For Class 54 Rating, Add</i>	1,012.86	
			<i>For Class 55 Rating, Add</i>	2,251.25	
40 05 19 00-1559	EA		48" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	17,085.91	1,974.93
			<i>For Class 52 Rating, Deduct</i>	-1,550.30	
			<i>For Class 54 Rating, Add</i>	1,057.02	
			<i>For Class 55 Rating, Add</i>	2,349.40	
40 05 19 00-1560	EA		48" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	17,674.26	1,977.26
			<i>For Class 52 Rating, Deduct</i>	-1,614.62	
			<i>For Class 54 Rating, Add</i>	1,100.88	
			<i>For Class 55 Rating, Add</i>	2,446.89	
40 05 19 00-1561	EA		48" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	18,261.80	1,979.60
			<i>For Class 52 Rating, Deduct</i>	-1,678.86	
			<i>For Class 54 Rating, Add</i>	1,144.68	
			<i>For Class 55 Rating, Add</i>	2,544.24	
40 05 19 00-1562	EA		48" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	18,854.15	1,981.94
			<i>For Class 52 Rating, Deduct</i>	-1,743.63	
			<i>For Class 54 Rating, Add</i>	1,188.84	
			<i>For Class 55 Rating, Add</i>	2,642.40	
40 05 19 00-1563	EA		48" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	19,443.29	1,984.29
			<i>For Class 52 Rating, Deduct</i>	-1,808.05	
			<i>For Class 54 Rating, Add</i>	1,232.76	
			<i>For Class 55 Rating, Add</i>	2,740.01	
40 05 19 00-1564	EA		48" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	20,030.84	1,986.62
			<i>For Class 52 Rating, Deduct</i>	-1,872.29	
			<i>For Class 54 Rating, Add</i>	1,276.56	
			<i>For Class 55 Rating, Add</i>	2,837.37	
40 05 19 00-1565	EA		48" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	20,623.19	1,988.97
			<i>For Class 52 Rating, Deduct</i>	-1,937.06	
			<i>For Class 54 Rating, Add</i>	1,320.72	
			<i>For Class 55 Rating, Add</i>	2,935.52	
40 05 19 00-1566	EA		48" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	21,211.53	1,991.31
			<i>For Class 52 Rating, Deduct</i>	-2,001.38	
			<i>For Class 54 Rating, Add</i>	1,364.58	
			<i>For Class 55 Rating, Add</i>	3,033.01	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1567	EA			48" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	21,799.08	1,993.64
				For Class 52 Rating, Deduct	-2,065.62	
				For Class 54 Rating, Add	1,408.38	
				For Class 55 Rating, Add	3,130.36	
40 05 19 00-1568	EA			48" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	22,391.42	1,995.99
				For Class 52 Rating, Deduct	-2,130.39	
				For Class 54 Rating, Add	1,452.54	
				For Class 55 Rating, Add	3,228.51	
40 05 19 00-1569	EA			48" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	22,979.77	1,998.32
				For Class 52 Rating, Deduct	-2,194.72	
				For Class 54 Rating, Add	1,496.40	
				For Class 55 Rating, Add	3,326.00	
40 05 19 00-1570	EA			48" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	23,496.11	2,000.67
				For Class 52 Rating, Deduct	-2,251.13	
				For Class 54 Rating, Add	1,534.86	
				For Class 55 Rating, Add	3,411.48	
40 05 19 00-1571	EA			48" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	24,160.46	2,003.00
				For Class 52 Rating, Deduct	-2,323.82	
				For Class 54 Rating, Add	1,584.42	
				For Class 55 Rating, Add	3,521.64	
40 05 19 00-1572	EA			48" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	24,748.00	2,005.34
				For Class 52 Rating, Deduct	-2,388.06	
				For Class 54 Rating, Add	1,628.22	
				For Class 55 Rating, Add	3,618.99	
40 05 19 00-1573	EA			48" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	25,341.15	2,007.69
				For Class 52 Rating, Deduct	-2,452.91	
				For Class 54 Rating, Add	1,672.44	
				For Class 55 Rating, Add	3,717.28	
40 05 19 00-1574	EA			48" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	25,928.69	2,010.02
				For Class 52 Rating, Deduct	-2,517.15	
				For Class 54 Rating, Add	1,716.24	
				For Class 55 Rating, Add	3,814.63	
40 05 19 00-1575	EA			48" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	26,516.24	2,012.36
				For Class 52 Rating, Deduct	-2,581.39	
				For Class 54 Rating, Add	1,760.04	
				For Class 55 Rating, Add	3,911.98	
40 05 19 00-1576	EA			48" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	27,109.39	2,014.71
				For Class 52 Rating, Deduct	-2,646.25	
				For Class 54 Rating, Add	1,804.26	
				For Class 55 Rating, Add	4,010.27	
40 05 19 00-1577	EA			48" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	27,696.93	2,017.05
				For Class 52 Rating, Deduct	-2,710.49	
				For Class 54 Rating, Add	1,848.06	
				For Class 55 Rating, Add	4,107.62	
40 05 19 00-1578	EA			48" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	28,285.28	2,019.39
				For Class 52 Rating, Deduct	-2,774.82	
				For Class 54 Rating, Add	1,891.92	
				For Class 55 Rating, Add	4,205.11	
40 05 19 00-1579	EA			48" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	28,877.62	2,021.72
				For Class 52 Rating, Deduct	-2,839.58	
				For Class 54 Rating, Add	1,936.08	
				For Class 55 Rating, Add	4,303.26	
40 05 19 00-1580				Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbows <small>(40 05 19 00-0001)</small>		
40 05 19 00-1581	EA			4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow	280.65	112.89
40 05 19 00-1582	EA			6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow	388.34	144.36
40 05 19 00-1583	EA			8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow	526.97	163.53
40 05 19 00-1584	EA			10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow	757.31	207.32
40 05 19 00-1585	EA			12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow	925.92	229.89
40 05 19 00-1586	EA			14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow	1,138.38	249.73
40 05 19 00-1587	EA			16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow	1,402.50	307.89
40 05 19 00-1588	EA			18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow	1,825.40	369.46
40 05 19 00-1589	EA			20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow	2,252.93	465.25
40 05 19 00-1590	EA			24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow	3,350.24	526.83
40 05 19 00-1591	EA			30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow	5,554.20	697.88
40 05 19 00-1592	EA			36" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow	7,788.54	790.25
40 05 19 00-1593	EA			42" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow	12,865.20	903.14
40 05 19 00-1594	EA			48" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow	17,089.80	1,108.40



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

40 05 19 00-1595	Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 45 Degree Elbows (40 05 19 00-0001)		
40 05 19 00-1596	EA 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 45 Degree Elbow.....	268.65	112.89
40 05 19 00-1597	EA 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 45 Degree Elbow.....	369.14	144.36
40 05 19 00-1598	EA 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 45 Degree Elbow.....	478.17	163.53
40 05 19 00-1599	EA 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 45 Degree Elbow.....	686.91	207.32
40 05 19 00-1600	EA 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 45 Degree Elbow.....	836.32	229.89
40 05 19 00-1601	EA 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 45 Degree Elbow.....	955.98	249.73
40 05 19 00-1602	EA 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 45 Degree Elbow.....	1,200.90	307.89
40 05 19 00-1603	EA 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 45 Degree Elbow.....	1,554.20	369.46
40 05 19 00-1604	EA 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 45 Degree Elbow.....	2,005.73	465.25
40 05 19 00-1605	EA 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 45 Degree Elbow.....	2,604.64	526.83
40 05 19 00-1606	EA 30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 45 Degree Elbow.....	5,008.60	697.88
40 05 19 00-1607	EA 36" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 45 Degree Elbow.....	7,390.14	790.25
40 05 19 00-1608	EA 42" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 45 Degree Elbow.....	11,152.40	903.14
40 05 19 00-1609	EA 48" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 45 Degree Elbow.....	15,152.20	1,108.40
40 05 19 00-1610	Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbows (40 05 19 00-0001)		
40 05 19 00-1611	EA 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow.....	267.85	112.89
40 05 19 00-1612	EA 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow.....	362.74	144.36
40 05 19 00-1613	EA 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow.....	472.57	163.53
40 05 19 00-1614	EA 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow.....	670.91	207.32
40 05 19 00-1615	EA 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow.....	871.52	229.89
40 05 19 00-1616	EA 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow.....	1,067.18	249.73
40 05 19 00-1617	EA 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow.....	1,225.70	307.89
40 05 19 00-1618	EA 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow.....	1,584.60	369.46
40 05 19 00-1619	EA 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow.....	2,137.73	465.25
40 05 19 00-1620	EA 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow.....	2,905.44	526.83
40 05 19 00-1621	EA 30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow.....	5,062.20	697.88
40 05 19 00-1622	EA 36" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow.....	7,513.34	790.25
40 05 19 00-1623	EA 42" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow.....	11,398.00	903.14
40 05 19 00-1624	EA 48" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow.....	15,472.20	1,108.40
40 05 19 00-1625	Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbows (40 05 19 00-0001)		
40 05 19 00-1626	EA 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow.....	287.85	112.89
40 05 19 00-1627	EA 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow.....	400.34	144.36
40 05 19 00-1628	EA 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow.....	488.57	163.53
40 05 19 00-1629	EA 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow.....	727.71	207.32
40 05 19 00-1630	EA 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow.....	976.32	229.89
40 05 19 00-1631	EA 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow.....	1,094.38	249.73
40 05 19 00-1632	EA 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow.....	1,339.30	307.89
40 05 19 00-1633	EA 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow.....	1,584.60	369.46
40 05 19 00-1634	EA 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow.....	2,137.73	465.25
40 05 19 00-1635	EA 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow.....	3,013.44	526.83
40 05 19 00-1636	EA 30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow.....	5,115.80	697.88
40 05 19 00-1637	EA 36" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow.....	7,566.14	790.25
40 05 19 00-1638	EA 42" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow.....	11,454.00	903.14
40 05 19 00-1639	EA 48" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow.....	15,585.00	1,108.40
40 05 19 00-1640	Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbows (40 05 19 00-0001)		
40 05 19 00-1641	EA 6" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow.....	363.69	128.63
40 05 19 00-1642	EA 8" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow.....	439.81	138.20
40 05 19 00-1643	EA 8" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow.....	494.85	153.94
40 05 19 00-1644	EA 10" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow.....	640.98	160.10
40 05 19 00-1645	EA 10" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow.....	680.03	175.84
40 05 19 00-1646	EA 10" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow.....	740.14	185.42
40 05 19 00-1647	EA 12" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow.....	689.00	171.73
40 05 19 00-1648	EA 12" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow.....	773.64	187.47
40 05 19 00-1649	EA 12" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow.....	880.96	197.05
40 05 19 00-1650	EA 12" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow.....	942.93	218.94
40 05 19 00-1651	EA 14" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow.....	880.96	197.05
40 05 19 00-1652	EA 14" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow.....	970.67	206.63
40 05 19 00-1653	EA 14" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow.....	1,080.64	228.52
40 05 19 00-1654	EA 14" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow.....	1,190.27	240.16
40 05 19 00-1655	EA 16" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow.....	1,015.42	226.13
40 05 19 00-1656	EA 16" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow.....	1,091.53	235.71
40 05 19 00-1657	EA 16" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow.....	1,247.11	257.60
40 05 19 00-1658	EA 16" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow.....	1,355.41	268.89
40 05 19 00-1659	EA 16" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow.....	1,447.24	278.81
40 05 19 00-1660	EA 18" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow.....	1,184.47	256.91
40 05 19 00-1661	EA 18" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow.....	1,398.19	266.50
40 05 19 00-1662	EA 18" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow.....	1,446.56	288.39
40 05 19 00-1663	EA 18" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow.....	1,525.26	299.68



	MINOR CSI UOM DESCRIPTION		TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1664	EA	18" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	1,647.49	309.60
40 05 19 00-1665	EA	18" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	1,797.15	338.68
40 05 19 00-1666	EA	20" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	1,516.23	304.81
40 05 19 00-1667	EA	20" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	1,613.14	314.38
40 05 19 00-1668	EA	20" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	1,975.12	336.28
40 05 19 00-1669	EA	20" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	2,049.03	347.57
40 05 19 00-1670	EA	20" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	2,248.06	357.50
40 05 19 00-1671	EA	20" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	2,216.12	386.57
40 05 19 00-1672	EA	20" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	2,361.96	417.36
40 05 19 00-1673	EA	24" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	2,089.28	335.60
40 05 19 00-1674	EA	24" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	2,187.00	345.18
40 05 19 00-1675	EA	24" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	2,351.37	367.07
40 05 19 00-1676	EA	24" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	2,467.67	378.36
40 05 19 00-1677	EA	24" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	2,680.31	388.28
40 05 19 00-1678	EA	24" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	2,888.36	417.36
40 05 19 00-1679	EA	24" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	2,967.81	448.15
40 05 19 00-1680	EA	24" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	3,108.30	443.19
40 05 19 00-1681	EA	30" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	3,666.06	463.89
40 05 19 00-1682	EA	30" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	3,893.09	473.81
40 05 19 00-1683	EA	30" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	4,373.95	502.89
40 05 19 00-1684	EA	30" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	5,060.59	533.68
40 05 19 00-1685	EA	30" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	5,834.76	581.57
40 05 19 00-1686	EA	30" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	6,161.42	612.36
40 05 19 00-1687	EA	36" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	4,989.63	510.07
40 05 19 00-1688	EA	36" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	6,396.67	519.99
40 05 19 00-1689	EA	36" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	5,260.72	549.07
40 05 19 00-1690	EA	36" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	6,804.97	579.86
40 05 19 00-1691	EA	36" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	6,543.94	627.76
40 05 19 00-1692	EA	36" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	7,122.59	658.54
40 05 19 00-1693	EA	36" x 30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	7,618.57	744.06
40 05 19 00-1694	EA	42" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	8,674.19	576.44
40 05 19 00-1695	EA	42" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	7,371.85	605.52
40 05 19 00-1696	EA	42" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	9,844.90	636.31
40 05 19 00-1697	EA	42" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	9,715.07	684.20
40 05 19 00-1698	EA	42" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	8,535.31	714.99
40 05 19 00-1699	EA	42" x 30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	10,037.70	800.51
40 05 19 00-1700	EA	42" x 36" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	14,040.47	846.69
40 05 19 00-1701	EA	48" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	13,445.37	826.17
40 05 19 00-1702	EA	48" x 30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	14,628.55	911.69
40 05 19 00-1703	EA	48" x 36" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	15,066.53	957.88
40 05 19 00-1704	EA	48" x 42" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	19,167.25	1,014.32
40 05 19 00-1705		Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Long Radius		
		90 Degree Elbows <small>(40 05 19 00-0001)</small>		
40 05 19 00-1706	EA	4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow	324.65	112.89
40 05 19 00-1707	EA	6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow	486.74	144.36
40 05 19 00-1708	EA	8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow	691.77	163.53
40 05 19 00-1709	EA	10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow	971.71	207.32
40 05 19 00-1710	EA	12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow	1,342.72	229.89
40 05 19 00-1711	EA	14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow	1,556.78	249.73
40 05 19 00-1712	EA	16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow	2,012.10	307.89
40 05 19 00-1713	EA	18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow	2,487.00	369.46
40 05 19 00-1714	EA	20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow	3,372.93	465.25
40 05 19 00-1715	EA	24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow	4,881.44	526.83
40 05 19 00-1716	EA	30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow	8,484.60	697.88
40 05 19 00-1717	EA	36" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow	12,787.74	790.25
40 05 19 00-1718	EA	42" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow	19,677.20	903.14
40 05 19 00-1719		Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree		
		Elbows With Base <small>(40 05 19 00-0001)</small>		
40 05 19 00-1720	EA	4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base	339.85	112.89
40 05 19 00-1721	EA	6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base	457.14	144.36
40 05 19 00-1722	EA	8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base	712.57	163.53
40 05 19 00-1723	EA	10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base	956.51	207.32
40 05 19 00-1724	EA	12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base	1,261.92	229.89
40 05 19 00-1725	EA	14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base	1,479.98	249.73
40 05 19 00-1726	EA	16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base	1,828.10	307.89
40 05 19 00-1727	EA	18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base	2,288.60	369.46
40 05 19 00-1728	EA	20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base	3,009.73	465.25
40 05 19 00-1729	EA	24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base	4,190.24	526.83
40 05 19 00-1730	EA	30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base	6,791.00	697.88
40 05 19 00-1731	EA	36" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base	9,612.54	790.25
40 05 19 00-1732	EA	42" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base	17,587.60	903.14
40 05 19 00-1733	EA	48" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base	19,028.20	1,108.40
40 05 19 00-1734		Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tees <small>(40 05 19 00-0001)</small>		
40 05 19 00-1735	EA	4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee.....	474.72	181.32

40 Process Interconnections

40 05 Common Work Results For Process Interconnections

40 05 19 Ductile Iron Process Pipe

MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

40 05 19 00-1736	EA	6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee.....	587.55	223.05
40 05 19 00-1737	EA	8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee.....	794.15	249.05
40 05 19 00-1738	EA	10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee.....	1,123.95	323.63
40 05 19 00-1739	EA	12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee.....	1,456.52	353.05
40 05 19 00-1740	EA	14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee.....	1,905.75	379.73
40 05 19 00-1741	EA	16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee.....	2,182.47	478.94
40 05 19 00-1742	EA	18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee.....	2,643.73	547.36
40 05 19 00-1743	EA	20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee.....	3,335.03	691.04
40 05 19 00-1744	EA	24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee.....	4,789.48	762.88
40 05 19 00-1745	EA	30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee.....	8,034.06	1,053.67
40 05 19 00-1746	EA	36" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee.....	11,431.31	1,207.61
40 05 19 00-1747	EA	42" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee.....	23,114.00	1,395.76

40 05 19 00-1748 Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tees

(40 05 19 00-0001)

40 05 19 00-1749	EA	6" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	582.86	202.52
40 05 19 00-1750	EA	8" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	700.27	206.63
40 05 19 00-1751	EA	8" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	712.46	232.63
40 05 19 00-1752	EA	10" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	902.24	228.52
40 05 19 00-1753	EA	10" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	904.84	254.52
40 05 19 00-1754	EA	10" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	955.32	270.94
40 05 19 00-1755	EA	12" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	1,119.87	240.16
40 05 19 00-1756	EA	12" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	1,129.66	266.16
40 05 19 00-1757	EA	12" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	1,193.75	282.57
40 05 19 00-1758	EA	12" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	1,421.56	335.26
40 05 19 00-1759	EA	14" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	1,583.98	249.73
40 05 19 00-1760	EA	14" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	1,564.98	275.73
40 05 19 00-1761	EA	14" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	1,636.26	292.15
40 05 19 00-1762	EA	14" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	1,745.67	344.83
40 05 19 00-1763	EA	14" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	1,849.95	362.97
40 05 19 00-1764	EA	16" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	1,909.64	278.81
40 05 19 00-1765	EA	16" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	1,782.63	304.81
40 05 19 00-1766	EA	16" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	1,764.31	321.23
40 05 19 00-1767	EA	16" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	2,068.94	373.91
40 05 19 00-1768	EA	16" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	2,022.01	392.05
40 05 19 00-1769	EA	16" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	2,241.00	408.81
40 05 19 00-1770	EA	18" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	2,320.29	309.60
40 05 19 00-1771	EA	18" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	1,798.08	335.60
40 05 19 00-1772	EA	18" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	2,140.56	352.02
40 05 19 00-1773	EA	18" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	2,173.19	404.70
40 05 19 00-1774	EA	18" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	2,356.66	422.83
40 05 19 00-1775	EA	18" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	2,562.06	439.60
40 05 19 00-1776	EA	18" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	2,760.32	509.73
40 05 19 00-1777	EA	20" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	4,970.46	357.50
40 05 19 00-1778	EA	20" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	2,590.65	383.50
40 05 19 00-1779	EA	20" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	2,648.33	399.91
40 05 19 00-1780	EA	20" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	2,777.75	452.60
40 05 19 00-1781	EA	20" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	2,886.82	470.73
40 05 19 00-1782	EA	20" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	2,929.02	487.50
40 05 19 00-1783	EA	20" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	3,512.88	557.62
40 05 19 00-1784	EA	20" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	3,602.70	595.25
40 05 19 00-1785	EA	24" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	3,371.51	388.28
40 05 19 00-1786	EA	24" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	2,950.10	414.28
40 05 19 00-1787	EA	24" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	3,082.98	430.70
40 05 19 00-1788	EA	24" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	3,222.80	483.38
40 05 19 00-1789	EA	24" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	3,592.67	501.52
40 05 19 00-1790	EA	24" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	3,683.68	518.28
40 05 19 00-1791	EA	24" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	3,833.13	588.41
40 05 19 00-1792	EA	24" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	4,966.15	626.04
40 05 19 00-1793	EA	24" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	5,147.20	668.98
40 05 19 00-1794	EA	30" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	5,891.68	499.81
40 05 19 00-1795	EA	30" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	5,933.37	516.23
40 05 19 00-1796	EA	30" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	6,119.58	568.91
40 05 19 00-1797	EA	30" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	6,147.05	587.04
40 05 19 00-1798	EA	30" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	6,172.46	603.80
40 05 19 00-1799	EA	30" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	6,331.51	673.94
40 05 19 00-1800	EA	30" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	6,423.73	711.57
40 05 19 00-1801	EA	30" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	6,656.06	807.35
40 05 19 00-1802	EA	36" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	8,430.26	848.41
40 05 19 00-1803	EA	36" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	8,139.83	715.33
40 05 19 00-1804	EA	36" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	8,689.93	728.33
40 05 19 00-1805	EA	36" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	8,764.03	765.62
40 05 19 00-1806	EA	36" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	8,839.12	780.33
40 05 19 00-1807	EA	36" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	8,876.93	793.67
40 05 19 00-1808	EA	36" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	8,987.29	843.27
40 05 19 00-1809	EA	36" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	9,056.72	877.49
40 05 19 00-1810	EA	36" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	9,235.98	949.32
40 05 19 00-1811	EA	36" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	9,449.60	985.24
40 05 19 00-1812	EA	36" x 30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	12,297.09	1,130.64
40 05 19 00-1813	EA	42" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	14,237.66	618.86
40 05 19 00-1814	EA	42" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	12,928.69	671.54



MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
40 05 19 00-1815	EA	42" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....		12,956.16	689.67
40 05 19 00-1816	EA	42" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....		12,999.95	706.43
40 05 19 00-1817	EA	42" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....		13,143.82	776.57
40 05 19 00-1818	EA	42" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....		13,295.23	814.20
40 05 19 00-1819	EA	42" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....		13,440.36	909.98
40 05 19 00-1820	EA	42" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....		13,652.97	951.04
40 05 19 00-1821	EA	42" x 30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....		17,275.17	1,156.30
40 05 19 00-1822	EA	42" x 36" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....		22,086.44	1,264.05
40 05 19 00-1823	EA	48" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....		17,452.61	800.86
40 05 19 00-1824	EA	48" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....		17,478.02	817.62
40 05 19 00-1825	EA	48" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....		17,640.27	887.75
40 05 19 00-1826	EA	48" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....		17,697.29	925.38
40 05 19 00-1827	EA	48" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....		17,916.82	1,021.16
40 05 19 00-1828	EA	48" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....		18,111.02	1,062.22
40 05 19 00-1829	EA	48" x 30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....		18,686.02	1,267.48
40 05 19 00-1830		Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tees With Base <small>(40 05 19 00-0001)</small>			
40 05 19 00-1831	EA	4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee With Base		505.12	181.32
40 05 19 00-1832	EA	6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee With Base		674.75	223.05
40 05 19 00-1833	EA	8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee With Base		944.55	249.05
40 05 19 00-1834	EA	10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee With Base		1,407.95	323.63
40 05 19 00-1835	EA	12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee With Base		1,850.12	353.05
40 05 19 00-1836	EA	14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee With Base		2,059.35	379.73
40 05 19 00-1837	EA	16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee With Base		2,560.07	478.94
40 05 19 00-1838	EA	18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee With Base		3,092.53	547.36
40 05 19 00-1839	EA	20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee With Base		4,109.43	691.04
40 05 19 00-1840	EA	24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee With Base		5,799.08	762.88
40 05 19 00-1841	EA	30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee With Base		9,606.06	1,053.67
40 05 19 00-1842	EA	36" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee With Base		13,542.51	1,207.61
40 05 19 00-1843		Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Wyes <small>(40 05 19 00-0001)</small>			
40 05 19 00-1844	EA	4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Wye.....		428.32	181.32
40 05 19 00-1845	EA	6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Wye.....		583.55	223.05
40 05 19 00-1846	EA	8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Wye.....		806.15	249.05
40 05 19 00-1847	EA	10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Wye.....		1,057.55	323.63
40 05 19 00-1848	EA	12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Wye.....		1,452.52	353.05
40 05 19 00-1849	EA	14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Wye.....		1,844.95	379.73
40 05 19 00-1850		Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Crosses <small>(40 05 19 00-0001)</small>			
40 05 19 00-1851	EA	4" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....		588.78	249.73
40 05 19 00-1852	EA	6" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....		746.80	270.60
40 05 19 00-1853	EA	8" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....		798.77	301.73
40 05 19 00-1854	EA	8" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....		891.14	275.05
40 05 19 00-1855	EA	8" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....		977.29	311.31
40 05 19 00-1856	EA	8" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....		1,018.13	334.57
40 05 19 00-1857	EA	10" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....		1,122.72	296.95
40 05 19 00-1858	EA	10" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....		1,239.26	333.20
40 05 19 00-1859	EA	10" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....		1,351.30	356.46
40 05 19 00-1860	EA	10" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....		1,676.18	439.94
40 05 19 00-1861	EA	12" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....		1,415.02	308.23
40 05 19 00-1862	EA	12" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....		1,500.36	344.50
40 05 19 00-1863	EA	12" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....		1,613.20	367.76
40 05 19 00-1864	EA	12" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....		1,953.28	451.23
40 05 19 00-1865	EA	12" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....		1,865.52	476.20
40 05 19 00-1866	EA	14" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....		1,760.19	354.42
40 05 19 00-1867	EA	14" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....		1,872.24	377.68
40 05 19 00-1868	EA	14" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....		2,105.91	461.15
40 05 19 00-1869	EA	14" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....		2,282.15	486.13
40 05 19 00-1870	EA	14" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....		2,393.92	509.73
40 05 19 00-1871	EA	16" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....		2,080.25	383.50
40 05 19 00-1872	EA	16" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....		2,206.70	406.76
40 05 19 00-1873	EA	16" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....		2,440.37	490.23
40 05 19 00-1874	EA	16" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....		2,631.81	515.20
40 05 19 00-1875	EA	16" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....		3,578.77	538.80
40 05 19 00-1876	EA	16" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....		3,019.23	649.99
40 05 19 00-1877	EA	18" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....		2,173.30	414.28
40 05 19 00-1878	EA	18" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....		2,298.94	437.54
40 05 19 00-1879	EA	18" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....		2,502.22	521.01
40 05 19 00-1880	EA	18" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....		2,692.86	545.99
40 05 19 00-1881	EA	18" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....		3,064.63	569.60
40 05 19 00-1882	EA	18" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....		3,371.48	680.78
40 05 19 00-1883	EA	18" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....		3,530.87	725.25
40 05 19 00-1884	EA	20" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....		2,792.26	462.17
40 05 19 00-1885	EA	20" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....		2,925.91	485.44
40 05 19 00-1886	EA	20" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....		3,117.98	568.91
40 05 19 00-1887	EA	20" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....		3,320.62	593.88



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1888 EA 20" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	3,389.19	617.49
40 05 19 00-1889 EA 20" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	4,117.65	728.67
40 05 19 00-1890 EA 20" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	4,283.43	773.14
40 05 19 00-1891 EA 20" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	4,732.33	916.83
40 05 19 00-1892 EA 24" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	3,629.32	492.97
40 05 19 00-1893 EA 24" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	3,729.37	516.23
40 05 19 00-1894 EA 24" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	3,971.03	599.70
40 05 19 00-1895 EA 24" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	4,108.07	624.68
40 05 19 00-1896 EA 24" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	4,193.44	648.27
40 05 19 00-1897 EA 24" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	4,477.10	759.46
40 05 19 00-1898 EA 24" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	5,714.08	803.94
40 05 19 00-1899 EA 24" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	6,064.50	894.77
40 05 19 00-1900 EA 24" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	6,683.93	998.93
40 05 19 00-1901 EA 30" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	6,598.45	710.20
40 05 19 00-1902 EA 30" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	6,651.83	733.80
40 05 19 00-1903 EA 30" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	6,943.48	844.98
40 05 19 00-1904 EA 30" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	7,046.06	889.45
40 05 19 00-1905 EA 30" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	7,458.17	1,033.14
40 05 19 00-1906 EA 30" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	9,564.71	1,084.46
40 05 19 00-1907 EA 30" x 30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	10,955.53	1,409.45
40 05 19 00-1908 EA 36" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	9,271.32	903.49
40 05 19 00-1909 EA 36" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	9,301.90	923.67
40 05 19 00-1910 EA 36" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	9,546.45	1,014.32
40 05 19 00-1911 EA 36" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	9,643.05	1,055.38
40 05 19 00-1912 EA 36" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	9,983.67	1,175.11
40 05 19 00-1913 EA 36" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	10,336.04	1,221.30
40 05 19 00-1914 EA 36" x 30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	13,894.55	1,486.42
40 05 19 00-1915 EA 30" x 36" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	15,233.28	1,624.97
40 05 19 00-1916 EA 42" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	13,425.16	812.83
40 05 19 00-1917 EA 42" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	13,460.92	836.43
40 05 19 00-1918 EA 42" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	13,742.18	947.61
40 05 19 00-1919 EA 42" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	13,827.97	992.08
40 05 19 00-1920 EA 42" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	14,215.26	1,135.77
40 05 19 00-1921 EA 42" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	14,575.41	1,187.09
40 05 19 00-1922 EA 42" x 30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	18,755.03	1,512.08
40 05 19 00-1923 EA 42" x 42" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	25,710.80	1,681.41
40 05 19 00-1924 EA 48" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	19,381.99	1,888.39
40 05 19 00-1925 EA 48" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	17,937.38	947.61
40 05 19 00-1926 EA 48" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	18,219.44	1,058.79
40 05 19 00-1927 EA 48" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	18,305.22	1,103.28
40 05 19 00-1928 EA 48" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	18,673.33	1,246.95
40 05 19 00-1929 EA 48" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	19,033.47	1,298.27
40 05 19 00-1930 EA 48" x 30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	20,033.89	1,623.26

40 05 19 00-1931 Flanged End x Flanged End, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducers (40 05 19 00-0001)

40 05 19 00-1932 EA 6" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	311.69	128.63
40 05 19 00-1933 EA 8" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	384.61	138.20
40 05 19 00-1934 EA 8" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	424.45	153.94
40 05 19 00-1935 EA 10" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	504.18	160.10
40 05 19 00-1936 EA 10" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	516.03	175.84
40 05 19 00-1937 EA 10" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	592.94	185.42
40 05 19 00-1938 EA 12" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	627.40	171.73
40 05 19 00-1939 EA 12" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	653.64	187.47
40 05 19 00-1940 EA 12" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	712.16	197.05
40 05 19 00-1941 EA 12" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	799.73	218.94
40 05 19 00-1942 EA 14" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	940.04	187.47
40 05 19 00-1943 EA 14" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	772.96	197.05
40 05 19 00-1944 EA 14" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	849.07	206.63
40 05 19 00-1945 EA 14" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	934.24	228.52
40 05 19 00-1946 EA 14" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	917.47	240.16
40 05 19 00-1947 EA 16" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	1,106.77	210.39
40 05 19 00-1948 EA 16" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	925.02	226.13
40 05 19 00-1949 EA 16" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	885.13	235.71
40 05 19 00-1950 EA 16" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	983.91	257.60
40 05 19 00-1951 EA 16" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	1,193.81	268.89
40 05 19 00-1952 EA 16" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	1,279.24	278.81
40 05 19 00-1953 EA 18" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	1,395.67	256.91
40 05 19 00-1954 EA 18" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	1,138.19	266.50
40 05 19 00-1955 EA 18" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	1,248.16	288.39
40 05 19 00-1956 EA 18" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	1,246.86	299.68
40 05 19 00-1957 EA 18" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	1,417.09	309.60
40 05 19 00-1958 EA 18" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	1,429.95	338.68
40 05 19 00-1959 EA 20" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	1,449.83	304.81
40 05 19 00-1960 EA 20" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	1,415.54	314.38
40 05 19 00-1961 EA 20" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	1,531.12	336.28
40 05 19 00-1962 EA 20" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	1,502.63	347.57
40 05 19 00-1963 EA 20" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	1,712.06	357.50
40 05 19 00-1964 EA 20" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	1,632.92	386.57
40 05 19 00-1965 EA 20" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	1,983.56	417.36



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1966 EA 24" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	1,873.40	345.18
40 05 19 00-1967 EA 24" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	2,104.17	367.07
40 05 19 00-1968 EA 24" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	2,254.87	378.36
40 05 19 00-1969 EA 24" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	2,314.71	388.28
40 05 19 00-1970 EA 24" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	2,085.96	417.36
40 05 19 00-1971 EA 24" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	2,490.21	448.15
40 05 19 00-1972 EA 24" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	2,614.70	443.19
40 05 19 00-1973 EA 30" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	3,513.95	502.89
40 05 19 00-1974 EA 30" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	3,666.99	533.68
40 05 19 00-1975 EA 30" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	3,951.56	581.57
40 05 19 00-1976 EA 30" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	4,351.02	612.36
40 05 19 00-1977 EA 36" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	4,731.12	549.07
40 05 19 00-1978 EA 36" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	4,971.37	579.86
40 05 19 00-1979 EA 36" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	5,291.14	627.76
40 05 19 00-1980 EA 36" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	5,744.19	658.54
40 05 19 00-1981 EA 36" x 30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	6,614.57	744.06
40 05 19 00-1982 EA 42" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	7,932.91	714.99
40 05 19 00-1983 EA 42" x 30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	8,964.90	800.51
40 05 19 00-1984 EA 42" x 36" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	10,107.67	846.69
40 05 19 00-1985 EA 48" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	10,038.97	826.17
40 05 19 00-1986 EA 48" x 30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	11,259.75	911.69
40 05 19 00-1987 EA 48" x 36" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	12,552.93	957.88
40 05 19 00-1988 EA 48" x 42" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	14,031.25	1,014.32

40 05 19 00-1989

Flanged End x Flanged End, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducers (40 05 19 00-0001)

40 05 19 00-1990 EA 6" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	333.29	128.63
40 05 19 00-1991 EA 8" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	409.41	138.20
40 05 19 00-1992 EA 8" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	463.65	153.94
40 05 19 00-1993 EA 10" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	504.18	160.10
40 05 19 00-1994 EA 10" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	542.43	175.84
40 05 19 00-1995 EA 10" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	617.74	185.42
40 05 19 00-1996 EA 12" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	627.40	171.73
40 05 19 00-1997 EA 12" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	682.44	187.47
40 05 19 00-1998 EA 12" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	742.56	197.05
40 05 19 00-1999 EA 12" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	852.53	218.94
40 05 19 00-2000 EA 14" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	772.96	197.05
40 05 19 00-2001 EA 14" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	833.87	206.63
40 05 19 00-2002 EA 14" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	928.64	228.52
40 05 19 00-2003 EA 14" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	1,052.67	240.16
40 05 19 00-2004 EA 16" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	925.02	226.13
40 05 19 00-2005 EA 16" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	999.53	235.71
40 05 19 00-2006 EA 16" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	1,109.51	257.60
40 05 19 00-2007 EA 16" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	1,218.61	268.89
40 05 19 00-2008 EA 16" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	1,279.24	278.81
40 05 19 00-2009 EA 18" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	1,138.19	266.50
40 05 19 00-2010 EA 18" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	1,248.16	288.39
40 05 19 00-2011 EA 18" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	1,357.26	299.68
40 05 19 00-2012 EA 18" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	1,417.09	309.60
40 05 19 00-2013 EA 18" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	1,553.15	338.68
40 05 19 00-2014 EA 20" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	1,621.03	304.81
40 05 19 00-2015 EA 20" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	1,497.94	314.38
40 05 19 00-2016 EA 20" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	1,531.12	336.28
40 05 19 00-2017 EA 20" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	1,663.43	347.57
40 05 19 00-2018 EA 20" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	1,712.06	357.50
40 05 19 00-2019 EA 20" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	1,869.72	386.57
40 05 19 00-2020 EA 20" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	1,982.76	417.36
40 05 19 00-2021 EA 24" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	2,038.20	345.18
40 05 19 00-2022 EA 24" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	2,104.17	367.07
40 05 19 00-2023 EA 24" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	2,154.07	378.36
40 05 19 00-2024 EA 24" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	2,201.91	388.28
40 05 19 00-2025 EA 24" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	2,361.96	417.36
40 05 19 00-2026 EA 24" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	2,490.21	448.15
40 05 19 00-2027 EA 24" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	2,614.70	443.19
40 05 19 00-2028 EA 30" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	4,141.09	473.81
40 05 19 00-2029 EA 30" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	4,061.15	502.89
40 05 19 00-2030 EA 30" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	3,684.59	533.68
40 05 19 00-2031 EA 30" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	3,951.56	581.57
40 05 19 00-2032 EA 30" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	4,351.02	612.36
40 05 19 00-2033 EA 36" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	4,766.32	549.07
40 05 19 00-2034 EA 36" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	4,971.37	579.86
40 05 19 00-2035 EA 36" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	5,273.54	627.76
40 05 19 00-2036 EA 36" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	5,724.99	658.54
40 05 19 00-2037 EA 36" x 30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	6,596.97	744.06
40 05 19 00-2038 EA 42" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	7,932.91	714.99
40 05 19 00-2039 EA 42" x 30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	8,804.90	800.51
40 05 19 00-2040 EA 42" x 36" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	10,107.67	846.69
40 05 19 00-2041 EA 48" x 30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	11,259.75	911.69
40 05 19 00-2042 EA 48" x 36" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	12,552.93	957.88
40 05 19 00-2043 EA 48" x 42" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	14,031.25	1,014.32

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2044 Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Blind Flanges ^(40 05 19 00-0001)		
40 05 19 00-2045 EA 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Blind Flange	117.78	44.47
40 05 19 00-2046 EA 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Blind Flange	176.32	65.69
40 05 19 00-2047 EA 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Blind Flange	246.98	78.00
40 05 19 00-2048 EA 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Blind Flange	331.48	91.00
40 05 19 00-2049 EA 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Blind Flange	422.52	106.73
40 05 19 00-2050 EA 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Blind Flange	547.81	119.73
40 05 19 00-2051 EA 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Blind Flange	651.34	136.84
40 05 19 00-2052 EA 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Blind Flange	885.46	191.57
40 05 19 00-2053 EA 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Blind Flange	1,168.43	239.47
40 05 19 00-2054 EA 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Blind Flange	1,638.98	290.79
40 05 19 00-2055 EA 30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Blind Flange	2,274.75	338.68
40 05 19 00-2056 EA 36" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Blind Flange	3,945.78	372.89
40 05 19 00-2057 EA 42" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Blind Flange	5,505.20	410.52
40 05 19 00-2058 EA 48" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Blind Flange	7,234.95	461.83
40 05 19 00-2059 Ductile Iron Bolt Packs ^(40 05 19)		
Note: Labor installation is included with pipe fittings or valves.		
40 05 19 00-2060 EA 4" Pipe Diameter, Ductile Iron Flange Bolt Pack	21.74	
Note: Includes eight (8) 5/8" diameter plain finish bolts with washers and nut.		
For Zinc Plated, Add	6.09	
For Hot Dip Galvanized, Add	8.70	
40 05 19 00-2061 EA 6" Pipe Diameter, Ductile Iron Flange Bolt Pack	33.55	
Note: Includes eight (8) 3/4" diameter plain finish bolts with washers and nut.		
For Zinc Plated, Add	9.39	
For Hot Dip Galvanized, Add	13.42	
40 05 19 00-2062 EA 8" Pipe Diameter, Ductile Iron Flange Bolt Pack	36.43	
Note: Includes eight (8) 3/4" diameter plain finish bolts with washers and nut.		
For Zinc Plated, Add	10.20	
For Hot Dip Galvanized, Add	14.57	
40 05 19 00-2063 EA 10" Pipe Diameter, Ductile Iron Flange Bolt Pack	81.82	
Note: Includes twelve (12) 7/8" diameter plain finish bolts with washers and nut.		
For Zinc Plated, Add	22.91	
For Hot Dip Galvanized, Add	32.73	
40 05 19 00-2064 EA 12" Pipe Diameter, Ductile Iron Flange Bolt Pack	82.54	
Note: Includes twelve (12) 7/8" diameter plain finish bolts with washers and nut.		
For Zinc Plated, Add	23.11	
For Hot Dip Galvanized, Add	33.02	
40 05 19 00-2065 EA 14" Pipe Diameter, Ductile Iron Flange Bolt Pack	92.47	
Note: Includes twelve (12) 1" diameter plain finish bolts with washers and nut.		
For Zinc Plated, Add	25.89	
For Hot Dip Galvanized, Add	36.99	
40 05 19 00-2066 EA 16" Pipe Diameter, Ductile Iron Flange Bolt Pack	155.46	
Note: Includes sixteen (16) 1" diameter plain finish bolts with washers and nut.		
For Zinc Plated, Add	43.53	
For Hot Dip Galvanized, Add	62.18	
40 05 19 00-2067 EA 18" Pipe Diameter, Ductile Iron Flange Bolt Pack	225.84	
Note: Includes sixteen (16) 1-1/8" diameter plain finish bolts with washers and nut.		
For Zinc Plated, Add	63.24	
For Hot Dip Galvanized, Add	90.34	
40 05 19 00-2068 EA 20" Pipe Diameter, Ductile Iron Flange Bolt Pack	285.15	
Note: Includes twenty (20) 1-1/8" diameter plain finish bolts with washers and nut.		
For Zinc Plated, Add	79.84	
For Hot Dip Galvanized, Add	114.06	
40 05 19 00-2069 EA 24" Pipe Diameter, Ductile Iron Flange Bolt Pack	408.00	
Note: Includes twenty (20) 1-1/4" diameter plain finish bolts with washers and nut.		
For Zinc Plated, Add	114.24	
For Hot Dip Galvanized, Add	163.20	
40 05 19 00-2070 EA 30" Pipe Diameter, Ductile Iron Flange Bolt Pack	644.70	
Note: Includes twenty-eight (28) 1-1/4" diameter plain finish bolts with washers and nut.		
For Zinc Plated, Add	180.52	
For Hot Dip Galvanized, Add	257.88	
40 05 19 00-2071 EA 36" Pipe Diameter, Ductile Iron Flange Bolt Pack	919.68	
Note: Includes thirty-two (32) 1-1/2" diameter plain finish bolts with washers and nut.		
For Zinc Plated, Add	257.51	
For Hot Dip Galvanized, Add	367.87	
40 05 19 00-2072 EA 42" Pipe Diameter, Ductile Iron Flange Bolt Pack	1,183.14	
Note: Includes thirty-six (36) 1-1/2" diameter plain finish bolts with washers and nut.		
For Zinc Plated, Add	331.28	
For Hot Dip Galvanized, Add	473.26	
40 05 19 00-2073 EA 48" Pipe Diameter, Ductile Iron Flange Bolt Pack	1,446.06	
Note: Includes forty-four (44) 1-1/2" diameter plain finish bolts with washers and nut.		
For Zinc Plated, Add	404.90	
For Hot Dip Galvanized, Add	578.42	
40 05 19 00-2074 Full Face Flange Gaskets, ANSI/AWWA C115/A21.15 ^(40 05 19)		
Note: Labor installation is included with pipe fittings or valves.		
40 05 19 00-2075 Full Face Flange Styrene Butadiene (SBR) Gaskets ^(40 05 19 00-2074)		
40 05 19 00-2076 EA 4" Full Face Flange Styrene Butadiene (SBR) Gasket, 1/8" Thick	5.85	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	40 05 19 00-2077	EA		6" Full Face Flange Styrene Butadiene (SBR) Gasket, 1/8" Thick.....	7.45	
	40 05 19 00-2078	EA		8" Full Face Flange Styrene Butadiene (SBR) Gasket, 1/8" Thick.....	10.11	
	40 05 19 00-2079	EA		10" Full Face Flange Styrene Butadiene (SBR) Gasket, 1/8" Thick.....	11.71	
	40 05 19 00-2080	EA		12" Full Face Flange Styrene Butadiene (SBR) Gasket, 1/8" Thick.....	12.77	
	40 05 19 00-2081	EA		14" Full Face Flange Styrene Butadiene (SBR) Gasket, 1/8" Thick.....	21.28	
	40 05 19 00-2082	EA		16" Full Face Flange Styrene Butadiene (SBR) Gasket, 1/8" Thick.....	26.07	
	40 05 19 00-2083	EA		18" Full Face Flange Styrene Butadiene (SBR) Gasket, 1/8" Thick.....	27.67	
	40 05 19 00-2084	EA		20" Full Face Flange Styrene Butadiene (SBR) Gasket, 1/8" Thick.....	42.57	
	40 05 19 00-2085	EA		24" Full Face Flange Styrene Butadiene (SBR) Gasket, 1/8" Thick.....	45.76	
	40 05 19 00-2086	EA		30" Full Face Flange Styrene Butadiene (SBR) Gasket, 1/8" Thick.....	59.06	
	40 05 19 00-2087	EA		36" Full Face Flange Styrene Butadiene (SBR) Gasket, 1/8" Thick.....	67.58	
	40 05 19 00-2088	EA		42" Full Face Flange Styrene Butadiene (SBR) Gasket, 1/8" Thick.....	72.37	
	40 05 19 00-2089	EA		48" Full Face Flange Styrene Butadiene (SBR) Gasket, 1/8" Thick.....	79.28	
	40 05 19 00-2090			Full Face Flange Nitrile Buna-N (NBR) Gaskets (40 05 19 00-2074)		
				Note: (Acrylonitrile Butadiene)		
	40 05 19 00-2091	EA		4" Full Face Flange Nitrile (NBR) Gasket, 1/8" Thick.....	18.09	
	40 05 19 00-2092	EA		6" Full Face Flange Nitrile (NBR) Gasket, 1/8" Thick.....	25.54	
	40 05 19 00-2093	EA		8" Full Face Flange Nitrile (NBR) Gasket, 1/8" Thick.....	39.38	
	40 05 19 00-2094	EA		10" Full Face Flange Nitrile (NBR) Gasket, 1/8" Thick.....	43.10	
	40 05 19 00-2095	EA		12" Full Face Flange Nitrile (NBR) Gasket, 1/8" Thick.....	46.29	
	40 05 19 00-2096	EA		14" Full Face Flange Nitrile (NBR) Gasket, 1/8" Thick.....	87.26	
	40 05 19 00-2097	EA		16" Full Face Flange Nitrile (NBR) Gasket, 1/8" Thick.....	107.48	
	40 05 19 00-2098	EA		18" Full Face Flange Nitrile (NBR) Gasket, 1/8" Thick.....	108.02	
	40 05 19 00-2099	EA		20" Full Face Flange Nitrile (NBR) Gasket, 1/8" Thick.....	112.27	
	40 05 19 00-2100	EA		24" Full Face Flange Nitrile (NBR) Gasket, 1/8" Thick.....	118.66	
	40 05 19 00-2101	EA		30" Full Face Flange Nitrile (NBR) Gasket, 1/8" Thick.....	131.43	
	40 05 19 00-2102	EA		36" Full Face Flange Nitrile (NBR) Gasket, 1/8" Thick.....	144.73	
	40 05 19 00-2103	EA		42" Full Face Flange Nitrile (NBR) Gasket, 1/8" Thick.....	205.92	
	40 05 19 00-2104	EA		48" Full Face Flange Nitrile (NBR) Gasket, 1/8" Thick.....	225.08	
	40 05 19 00-2105			Full Face Flange Ethylene Propylene Diene Monomer (EPDM) Gaskets (40 05 19 00-2074)		
	40 05 19 00-2106	EA		4" Full Face Flange Ethylene Propylene Diene Monomer (EPDM) Gasket, 1/8" Thick.....	15.96	
	40 05 19 00-2107	EA		6" Full Face Flange Ethylene Propylene Diene Monomer (EPDM) Gasket, 1/8" Thick.....	20.75	
	40 05 19 00-2108	EA		8" Full Face Flange Ethylene Propylene Diene Monomer (EPDM) Gasket, 1/8" Thick.....	28.20	
	40 05 19 00-2109	EA		10" Full Face Flange Ethylene Propylene Diene Monomer (EPDM) Gasket, 1/8" Thick.....	32.99	
	40 05 19 00-2110	EA		12" Full Face Flange Ethylene Propylene Diene Monomer (EPDM) Gasket, 1/8" Thick.....	36.71	
	40 05 19 00-2111	EA		14" Full Face Flange Ethylene Propylene Diene Monomer (EPDM) Gasket, 1/8" Thick.....	60.66	
	40 05 19 00-2112	EA		16" Full Face Flange Ethylene Propylene Diene Monomer (EPDM) Gasket, 1/8" Thick.....	72.90	
	40 05 19 00-2113	EA		18" Full Face Flange Ethylene Propylene Diene Monomer (EPDM) Gasket, 1/8" Thick.....	73.43	
	40 05 19 00-2114	EA		20" Full Face Flange Ethylene Propylene Diene Monomer (EPDM) Gasket, 1/8" Thick.....	75.03	
	40 05 19 00-2115	EA		24" Full Face Flange Ethylene Propylene Diene Monomer (EPDM) Gasket, 1/8" Thick.....	87.26	
	40 05 19 00-2116	EA		30" Full Face Flange Ethylene Propylene Diene Monomer (EPDM) Gasket, 1/8" Thick.....	106.95	
	40 05 19 00-2117	EA		36" Full Face Flange Ethylene Propylene Diene Monomer (EPDM) Gasket, 1/8" Thick.....	121.85	
	40 05 19 00-2118	EA		42" Full Face Flange Ethylene Propylene Diene Monomer (EPDM) Gasket, 1/8" Thick.....	174.53	
	40 05 19 00-2119	EA		48" Full Face Flange Ethylene Propylene Diene Monomer (EPDM) Gasket, 1/8" Thick.....	192.62	
	40 05 19 00-2120			Full Face Flange Neoprene Gaskets (40 05 19 00-2074)		
				Note: (Polychloroprene)		
	40 05 19 00-2121	EA		4" Full Face Flange Neoprene Gasket, 1/8" Thick.....	18.62	
	40 05 19 00-2122	EA		6" Full Face Flange Neoprene Gasket, 1/8" Thick.....	26.07	
	40 05 19 00-2123	EA		8" Full Face Flange Neoprene Gasket, 1/8" Thick.....	39.91	
	40 05 19 00-2124	EA		10" Full Face Flange Neoprene Gasket, 1/8" Thick.....	43.10	
	40 05 19 00-2125	EA		12" Full Face Flange Neoprene Gasket, 1/8" Thick.....	46.29	
	40 05 19 00-2126	EA		14" Full Face Flange Neoprene Gasket, 1/8" Thick.....	61.72	
	40 05 19 00-2127	EA		16" Full Face Flange Neoprene Gasket, 1/8" Thick.....	108.55	
	40 05 19 00-2128	EA		18" Full Face Flange Neoprene Gasket, 1/8" Thick.....	109.08	
	40 05 19 00-2129	EA		20" Full Face Flange Neoprene Gasket, 1/8" Thick.....	115.47	
	40 05 19 00-2130	EA		24" Full Face Flange Neoprene Gasket, 1/8" Thick.....	117.06	
	40 05 19 00-2131	EA		30" Full Face Flange Neoprene Gasket, 1/8" Thick.....	127.17	
	40 05 19 00-2132	EA		36" Full Face Flange Neoprene Gasket, 1/8" Thick.....	143.13	
	40 05 19 00-2133	EA		42" Full Face Flange Neoprene Gasket, 1/8" Thick.....	207.52	
	40 05 19 00-2134	EA		48" Full Face Flange Neoprene Gasket, 1/8" Thick.....	227.21	
	40 05 19 00-2135			Full Face Flange FKM Gaskets (40 05 19 00-2074)		
				Note: (Fluoroelastomer Fluorel Viton®)		
	40 05 19 00-2136	EA		4" Full Face Flange FKM Gasket, 1/8" Thick.....	45.00	
	40 05 19 00-2137	EA		6" Full Face Flange FKM Gasket, 1/8" Thick.....	67.00	
	40 05 19 00-2138	EA		8" Full Face Flange FKM Gasket, 1/8" Thick.....	89.50	
	40 05 19 00-2139	EA		10" Full Face Flange FKM Gasket, 1/8" Thick.....	108.00	
	40 05 19 00-2140	EA		12" Full Face Flange FKM Gasket, 1/8" Thick.....	140.50	
	40 05 19 00-2141	EA		14" Full Face Flange FKM Gasket, 1/8" Thick.....	257.00	
	40 05 19 00-2142	EA		16" Full Face Flange FKM Gasket, 1/8" Thick.....	294.50	
	40 05 19 00-2143	EA		18" Full Face Flange FKM Gasket, 1/8" Thick.....	308.50	
	40 05 19 00-2144	EA		20" Full Face Flange FKM Gasket, 1/8" Thick.....	329.00	
	40 05 19 00-2145	EA		24" Full Face Flange FKM Gasket, 1/8" Thick.....	455.00	
	40 05 19 00-2146	EA		30" Full Face Flange FKM Gasket, 1/8" Thick.....	545.50	

40 Process Interconnections
40 05 Common Work Results For Process Interconnections
40 05 19 Ductile Iron Process Pipe



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2147	EA		36" Full Face Flange FKM Gasket, 1/8" Thick	575.50	
40 05 19 00-2148	EA		42" Full Face Flange FKM Gasket, 1/8" Thick	717.50	
40 05 19 00-2149	EA		48" Full Face Flange FKM Gasket, 1/8" Thick	752.00	
40 05 19 00-2150			Restrained Flange Adapter For Ductile Iron Pipe (Megaflange 2100) (40 05 19)		
40 05 19 00-2151	EA		4" Restrained Flange Adapter For Ductile Iron Pipe (Megaflange 2100)	239.09	60.65
40 05 19 00-2152	EA		6" Restrained Flange Adapter For Ductile Iron Pipe (Megaflange 2100)	325.05	74.05
40 05 19 00-2153	EA		8" Restrained Flange Adapter For Ductile Iron Pipe (Megaflange 2100)	469.22	90.31
40 05 19 00-2154	EA		10" Restrained Flange Adapter For Ductile Iron Pipe (Megaflange 2100)	635.98	110.17
40 05 19 00-2155	EA		12" Restrained Flange Adapter For Ductile Iron Pipe (Megaflange 2100)	804.09	134.34
40 05 19 00-2156	EA		14" Restrained Flange Adapter For Ductile Iron Pipe (Megaflange 2100)	1,259.83	163.91
40 05 19 00-2157	EA		16" Restrained Flange Adapter For Ductile Iron Pipe (Megaflange 2100)	1,945.56	200.03
40 05 19 00-2158	EA		18" Restrained Flange Adapter For Ductile Iron Pipe (Megaflange 2100)	2,032.17	243.98
40 05 19 00-2159	EA		20" Restrained Flange Adapter For Ductile Iron Pipe (Megaflange 2100)	2,488.73	297.71
40 05 19 00-2160	EA		24" Restrained Flange Adapter For Ductile Iron Pipe (Megaflange 2100)	2,792.63	363.13
40 05 19 00-2161	EA		30" Restrained Flange Adapter For Ductile Iron Pipe (Megaflange 2100)	3,583.54	443.11
40 05 19 00-2162	EA		36" Restrained Flange Adapter For Ductile Iron Pipe (Megaflange 2100)	5,254.37	540.51
40 05 19 00-2163	EA		42" Restrained Flange Adapter For Ductile Iron Pipe (Megaflange 2100)	13,233.74	659.49
40 05 19 00-2164	EA		48" Restrained Flange Adapter For Ductile Iron Pipe (Megaflange 2100)	16,880.33	804.53
40 05 23 Stainless Steel Process Pipe and Tubing (40 05)					
40 05 23 43 Stainless Steel Process Pipe (40 05 23)					
40 05 23 43-0001 Schedule 40 Pipe, Type 304, With 150 LB Screwed Fittings Assembly (40 05 23)					
			⁴³ Note: Includes hangers and fittings. Fittings are assumed every 10'. Not for use where detail is available.		
40 05 23 43-0002	LF		1/2" Stainless Steel Pipe, Schedule 40 Type 304 With 150 LB Screwed Fitting Assembly.....	27.94	9.13
			Note: Includes all fittings and hangers. Fittings are assumed every 10'. Not for use where detail is available.		
			For Type 316, Add	2.49	
			For Work In Restricted Working Space, Add	5.51	
40 05 23 43-0003	LF		3/4" Stainless Steel Pipe, Schedule 40 Type 304 With 150 LB Screwed Fitting Assembly.....	31.85	10.47
			Note: Includes all fittings and hangers. Fittings are assumed every 10'. Not for use where detail is available.		
			For Type 316, Add	2.61	
			For Work In Restricted Working Space, Add	6.54	
40 05 23 43-0004	LF		1" Stainless Steel Pipe, Schedule 40 Type 304 With 150 LB Screwed Fitting Assembly	37.06	11.81
			Note: Includes all fittings and hangers. Fittings are assumed every 10'. Not for use where detail is available.		
			For Type 316, Add	3.06	
			For Work In Restricted Working Space, Add	7.59	
40 05 23 43-0005	LF		1-1/4" Stainless Steel Pipe, Schedule 40 Type 304 With 150 LB Screwed Fitting Assembly	42.07	14.26
			Note: Includes all fittings and hangers. Fittings are assumed every 10'. Not for use where detail is available.		
			For Type 316, Add	3.86	
			For Work In Restricted Working Space, Add	8.17	
40 05 23 43-0006	LF		1-1/2" Stainless Steel Pipe, Schedule 40 Type 304 With 150 LB Screwed Fitting Assembly	46.20	14.67
			Note: Includes all fittings and hangers. Fittings are assumed every 10'. Not for use where detail is available.		
			For Type 316, Add	4.42	
			For Work In Restricted Working Space, Add	8.76	
40 05 23 43-0007	LF		2" Stainless Steel Pipe, Schedule 40 Type 304 With 150 LB Screwed Fitting Assembly	55.92	19.38
			Note: Includes all fittings and hangers. Fittings are assumed every 10'. Not for use where detail is available.		
			For Type 316, Add	5.39	
			For Work In Restricted Working Space, Add	10.55	
40 05 23 43-0008	LF		2-1/2" Stainless Steel Pipe, Schedule 40 Type 304 With 150 LB Screwed Fitting Assembly	79.24	23.90
			Note: Includes all fittings and hangers. Fittings are assumed every 10'. Not for use where detail is available.		
			For Type 316, Add	9.27	
			For Work In Restricted Working Space, Add	13.07	
40 05 23 43-0009	LF		3" Stainless Steel Pipe, Schedule 40 Type 304 With 150 LB Screwed Fitting Assembly	99.75	27.70
			Note: Includes all fittings and hangers. Fittings are assumed every 10'. Not for use where detail is available.		
			For Type 316, Add	12.07	
			For Work In Restricted Working Space, Add	15.99	
40 05 23 43-0010	LF		4" Stainless Steel Pipe, Schedule 40 Type 304 With 150 LB Screwed Fitting Assembly	134.52	27.70
			Note: Includes all fittings and hangers. Fittings are assumed every 10'. Not for use where detail is available.		
			For Work In Restricted Working Space, Add	20.29	
40 05 23 43-0011 Stainless Steel Tubing And Fittings (40 05 23 43)					
40 05 23 43-0012 Type 304 Tubing (40 05 23 43-0011)					
40 05 23 43-0013 0.035" Wall (40 05 23 43-0012)					
40 05 23 43-0014	LF		1/4" Stainless Steel Tubing, Type 304, 0.035" Wall	6.95	3.01
			For Work In Restricted Working Space, Add	1.79	
40 05 23 43-0015	LF		3/8" Stainless Steel Tubing, Type 304, 0.035" Wall	8.19	3.57
			For Work In Restricted Working Space, Add	2.15	
40 05 23 43-0016	LF		1/2" Stainless Steel Tubing, Type 304, 0.035" Wall	9.68	4.23
			For Work In Restricted Working Space, Add	2.51	
40 05 23 43-0017	LF		5/8" Stainless Steel Tubing, Type 304, 0.035" Wall	13.53	4.79
			For Work In Restricted Working Space, Add	2.87	
40 05 23 43-0018	LF		3/4" Stainless Steel Tubing, Type 304, 0.035" Wall	15.72	5.35
			For Work In Restricted Working Space, Add	3.23	
40 05 23 43-0019	LF		7/8" Stainless Steel Tubing, Type 304, 0.035" Wall	17.43	6.02
			For Work In Restricted Working Space, Add	3.59	
40 05 23 43-0020	LF		1" Stainless Steel Tubing, Type 304, 0.035" Wall	20.02	7.25
			For Work In Restricted Working Space, Add	4.31	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 43-0021 0.049" Wall <small>(40 05 23 43-0012)</small>		
40 05 23 43-0022 LF 1/4" Stainless Steel Tubing, Type 304, 0.049" Wall.....	10.05	3.57
For Work In Restricted Working Space, Add	2.15	
40 05 23 43-0023 LF 3/8" Stainless Steel Tubing, Type 304, 0.049" Wall.....	11.41	4.23
For Work In Restricted Working Space, Add	2.51	
40 05 23 43-0024 LF 1/2" Stainless Steel Tubing, Type 304, 0.049" Wall.....	13.44	4.79
For Work In Restricted Working Space, Add	2.87	
40 05 23 43-0025 LF 5/8" Stainless Steel Tubing, Type 304, 0.049" Wall.....	16.93	6.02
For Work In Restricted Working Space, Add	3.59	
40 05 23 43-0026 LF 3/4" Stainless Steel Tubing, Type 304, 0.049" Wall.....	19.74	7.25
For Work In Restricted Working Space, Add	4.31	
40 05 23 43-0027 LF 7/8" Stainless Steel Tubing, Type 304, 0.049" Wall.....	22.51	8.36
For Work In Restricted Working Space, Add	5.03	
40 05 23 43-0028 LF 1" Stainless Steel Tubing, Type 304, 0.049" Wall.....	25.82	9.48
For Work In Restricted Working Space, Add	5.72	
40 05 23 43-0029 0.065" Wall <small>(40 05 23 43-0012)</small>		
40 05 23 43-0030 LF 1/4" Stainless Steel Tubing, Type 304, 0.065" Wall.....	11.73	4.23
For Work In Restricted Working Space, Add	2.51	
40 05 23 43-0031 LF 3/8" Stainless Steel Tubing, Type 304, 0.065" Wall.....	13.46	4.79
For Work In Restricted Working Space, Add	2.87	
40 05 23 43-0032 LF 1/2" Stainless Steel Tubing, Type 304, 0.065" Wall.....	16.69	6.02
For Work In Restricted Working Space, Add	3.59	
40 05 23 43-0033 LF 5/8" Stainless Steel Tubing, Type 304, 0.065" Wall.....	19.78	7.25
For Work In Restricted Working Space, Add	4.31	
40 05 23 43-0034 LF 3/4" Stainless Steel Tubing, Type 304, 0.065" Wall.....	23.22	8.36
For Work In Restricted Working Space, Add	5.03	
40 05 23 43-0035 LF 7/8" Stainless Steel Tubing, Type 304, 0.065" Wall.....	26.57	9.48
For Work In Restricted Working Space, Add	5.72	
40 05 23 43-0036 LF 1" Stainless Steel Tubing, Type 304, 0.065" Wall.....	29.93	10.70
For Work In Restricted Working Space, Add	6.43	
40 05 23 43-0037 Type 304 Tube Fittings <small>(40 05 23 43-0011)</small>		
40 05 23 43-0038 90 Degree Elbows <small>(40 05 23 43-0037)</small>		
40 05 23 43-0039 EA 1/4" 90 Degree Elbow, Stainless Steel Type 304	36.20	12.04
For Work In Restricted Working Space, Add	7.19	
40 05 23 43-0040 EA 3/8" 90 Degree Elbow, Stainless Steel Type 304	41.64	13.15
For Work In Restricted Working Space, Add	7.87	
40 05 23 43-0041 EA 1/2" 90 Degree Elbow, Stainless Steel Type 304	57.36	14.83
For Work In Restricted Working Space, Add	8.92	
40 05 23 43-0042 EA 5/8" 90 Degree Elbow, Stainless Steel Type 304	62.11	16.61
For Work In Restricted Working Space, Add	9.98	
40 05 23 43-0043 EA 3/4" 90 Degree Elbow, Stainless Steel Type 304	68.78	17.94
For Work In Restricted Working Space, Add	10.79	
40 05 23 43-0044 EA 7/8" 90 Degree Elbow, Stainless Steel Type 304	88.84	19.95
For Work In Restricted Working Space, Add	11.94	
40 05 23 43-0045 EA 1" 90 Degree Elbow, Stainless Steel Type 304	111.35	23.74
For Work In Restricted Working Space, Add	14.23	
40 05 23 43-0046 Union Tees <small>(40 05 23 43-0037)</small>		
40 05 23 43-0047 EA 1/4" Union Tee, Stainless Steel Type 304	56.29	17.94
For Work In Restricted Working Space, Add	10.79	
40 05 23 43-0048 EA 3/8" Union Tee, Stainless Steel Type 304	66.19	19.95
For Work In Restricted Working Space, Add	11.94	
40 05 23 43-0049 EA 1/2" Union Tee, Stainless Steel Type 304	85.04	22.30
For Work In Restricted Working Space, Add	13.37	
40 05 23 43-0050 EA 5/8" Union Tee, Stainless Steel Type 304	92.98	25.30
For Work In Restricted Working Space, Add	15.20	
40 05 23 43-0051 EA 3/4" Union Tee, Stainless Steel Type 304	113.10	27.20
For Work In Restricted Working Space, Add	16.31	
40 05 23 43-0052 EA 7/8" Union Tee, Stainless Steel Type 304	165.36	30.10
For Work In Restricted Working Space, Add	18.08	
40 05 23 43-0053 EA 1" Union Tee, Stainless Steel Type 304	198.01	36.01
For Work In Restricted Working Space, Add	21.57	
40 05 23 43-0054 Unions <small>(40 05 23 43-0037)</small>		
40 05 23 43-0055 EA 1/4" Union, Stainless Steel Type 304.....	54.67	17.94
For Work In Restricted Working Space, Add	10.79	
40 05 23 43-0056 EA 3/8" Union, Stainless Steel Type 304.....	67.10	19.95
For Work In Restricted Working Space, Add	11.94	
40 05 23 43-0057 EA 1/2" Union, Stainless Steel Type 304.....	85.64	22.30
For Work In Restricted Working Space, Add	13.37	
40 05 23 43-0058 EA 5/8" Union, Stainless Steel Type 304.....	102.38	25.30
For Work In Restricted Working Space, Add	15.20	
40 05 23 43-0059 EA 3/4" Union, Stainless Steel Type 304.....	118.82	27.20
For Work In Restricted Working Space, Add	16.31	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 23 Stainless Steel Process Pipe and Tubing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 43-0060	EA		7/8" Union, Stainless Steel Type 304.....	169.92	30.10
			<i>For Work In Restricted Working Space, Add</i>	18.08	
40 05 23 43-0061	EA		1" Union, Stainless Steel Type 304.....	185.09	36.01
			<i>For Work In Restricted Working Space, Add</i>	21.57	
40 05 23 43-0062			Male Connectors <small>(40 05 23 43-0037)</small>		
40 05 23 43-0063	EA		1/4" x 1/4" Male Connection, Stainless Steel Type 304.....	30.40	12.04
			<i>For Work In Restricted Working Space, Add</i>	7.19	
40 05 23 43-0064	EA		3/8" x 3/8" Male Connection, Stainless Steel Type 304.....	35.95	13.15
			<i>For Work In Restricted Working Space, Add</i>	7.87	
40 05 23 43-0065	EA		1/2" x 1/2" Male Connection, Stainless Steel Type 304.....	44.26	14.83
			<i>For Work In Restricted Working Space, Add</i>	8.92	
40 05 23 43-0066	EA		5/8" x 5/8" Male Connection, Stainless Steel Type 304.....	49.76	16.61
			<i>For Work In Restricted Working Space, Add</i>	9.98	
40 05 23 43-0067	EA		3/4" x 3/4" Male Connection, Stainless Steel Type 304.....	57.81	17.94
			<i>For Work In Restricted Working Space, Add</i>	10.79	
40 05 23 43-0068	EA		7/8" x 7/8" Male Connection, Stainless Steel Type 304.....	79.22	19.95
			<i>For Work In Restricted Working Space, Add</i>	11.94	
40 05 23 43-0069	EA		1" x 1" Male Connection, Stainless Steel Type 304.....	86.10	23.74
			<i>For Work In Restricted Working Space, Add</i>	14.23	
40 05 23 43-0070			Type 304 Valves <small>(40 05 23 43-0011)</small>		
40 05 23 43-0071			Gate Valves <small>(40 05 23 43-0070)</small>		
40 05 23 43-0072	EA		1/4" Gate Valve, Stainless Steel Type 304.....	164.48	17.94
			<i>For Work In Restricted Working Space, Add</i>	9.74	
40 05 23 43-0073	EA		3/8" Gate Valve, Stainless Steel Type 304.....	272.22	21.07
			<i>For Work In Restricted Working Space, Add</i>	10.25	
40 05 23 43-0074	EA		1/2" Gate Valve, Stainless Steel Type 304.....	285.48	23.74
			<i>For Work In Restricted Working Space, Add</i>	14.23	
40 05 23 43-0075	EA		3/4" Gate Valve, Stainless Steel Type 304.....	316.90	27.20
			<i>For Work In Restricted Working Space, Add</i>	16.31	
40 05 23 43-0076	EA		1" Gate Valve, Stainless Steel Type 304.....	296.18	36.01
			<i>For Work In Restricted Working Space, Add</i>	21.57	
40 05 23 43-0077			Globe Valves <small>(40 05 23 43-0070)</small>		
40 05 23 43-0078	EA		1/4" Globe Valve, Stainless Steel Type 304.....	166.64	17.94
			<i>For Work In Restricted Working Space, Add</i>	9.74	
40 05 23 43-0079	EA		3/8" Globe Valve, Stainless Steel Type 304.....	113.15	21.07
			<i>For Work In Restricted Working Space, Add</i>	10.25	
40 05 23 43-0080	EA		1/2" Globe Valve, Stainless Steel Type 304.....	199.92	23.74
			<i>For Work In Restricted Working Space, Add</i>	14.23	
40 05 23 43-0081	EA		3/4" Globe Valve, Stainless Steel Type 304.....	222.93	27.20
			<i>For Work In Restricted Working Space, Add</i>	16.31	
40 05 23 43-0082	EA		1" Globe Valve, Stainless Steel Type 304.....	323.42	36.01
			<i>For Work In Restricted Working Space, Add</i>	21.57	
40 05 23 43-0083			Check Valves <small>(40 05 23 43-0070)</small>		
40 05 23 43-0084	EA		1/4" Check Valve, Stainless Steel Type 304.....	230.20	17.94
			<i>For Work In Restricted Working Space, Add</i>	9.74	
40 05 23 43-0085	EA		3/8" Check Valve, Stainless Steel Type 304.....	231.91	21.07
			<i>For Work In Restricted Working Space, Add</i>	10.25	
40 05 23 43-0086	EA		1/2" Check Valve, Stainless Steel Type 304.....	157.96	23.74
			<i>For Work In Restricted Working Space, Add</i>	14.23	
40 05 23 43-0087	EA		3/4" Check Valve, Stainless Steel Type 304.....	166.51	27.20
			<i>For Work In Restricted Working Space, Add</i>	16.31	
40 05 23 43-0088	EA		1" Check Valve, Stainless Steel Type 304.....	187.25	36.01
			<i>For Work In Restricted Working Space, Add</i>	21.57	
40 05 23 43-0089			Plug Valves <small>(40 05 23 43-0070)</small>		
40 05 23 43-0090	EA		1/2" Plug Valve, Stainless Steel Type 304.....	355.39	23.74
			<i>For Work In Restricted Working Space, Add</i>	14.23	
40 05 23 43-0091	EA		3/4" Plug Valve, Stainless Steel Type 304.....	389.71	27.20
			<i>For Work In Restricted Working Space, Add</i>	16.31	
40 05 23 43-0092	EA		1" Plug Valve, Stainless Steel Type 304.....	443.74	36.01
			<i>For Work In Restricted Working Space, Add</i>	21.57	
40 05 23 43-0093	EA		1-1/2" Plug Valve, Stainless Steel Type 304.....	611.86	40.68
			<i>For Work In Restricted Working Space, Add</i>	24.41	
40 05 23 43-0094	EA		2" Plug Valve, Stainless Steel Type 304.....	798.08	55.73
			<i>For Work In Restricted Working Space, Add</i>	33.44	
40 05 23 43-0095			Type 316 Tubing <small>(40 05 23 43-0011)</small>		
40 05 23 43-0096			0.035" Wall <small>(40 05 23 43-0095)</small>		
40 05 23 43-0097	LF		1/4" Stainless Steel Tubing, Type 316, 0.035" Wall.....	7.10	3.01
			<i>For Work In Restricted Working Space, Add</i>	1.79	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 43-0098 LF 3/8" Stainless Steel Tubing, Type 316, 0.035" Wall <i>For Work In Restricted Working Space, Add</i>	8.91 2.15	3.57
40 05 23 43-0099 LF 1/2" Stainless Steel Tubing, Type 316, 0.035" Wall <i>For Work In Restricted Working Space, Add</i>	10.12 2.51	4.23
40 05 23 43-0100 LF 5/8" Stainless Steel Tubing, Type 316, 0.035" Wall <i>For Work In Restricted Working Space, Add</i>	14.69 2.87	4.79
40 05 23 43-0101 LF 3/4" Stainless Steel Tubing, Type 316, 0.035" Wall <i>For Work In Restricted Working Space, Add</i>	16.63 3.23	5.35
40 05 23 43-0102 LF 7/8" Stainless Steel Tubing, Type 316, 0.035" Wall <i>For Work In Restricted Working Space, Add</i>	20.22 3.59	6.02
40 05 23 43-0103 LF 1" Stainless Steel Tubing, Type 316, 0.035" Wall <i>For Work In Restricted Working Space, Add</i>	22.18 4.31	7.25
40 05 23 43-0104 0.049" Wall <small>(40 05 23 43-0095)</small>		
40 05 23 43-0105 LF 1/4" Stainless Steel Tubing, Type 316, 0.049" Wall <i>For Work In Restricted Working Space, Add</i>	10.67 2.15	3.57
40 05 23 43-0106 LF 3/8" Stainless Steel Tubing, Type 316, 0.049" Wall <i>For Work In Restricted Working Space, Add</i>	12.06 2.51	4.23
40 05 23 43-0107 LF 1/2" Stainless Steel Tubing, Type 316, 0.049" Wall <i>For Work In Restricted Working Space, Add</i>	14.05 2.87	4.79
40 05 23 43-0108 LF 5/8" Stainless Steel Tubing, Type 316, 0.049" Wall <i>For Work In Restricted Working Space, Add</i>	18.07 3.59	6.02
40 05 23 43-0109 LF 3/4" Stainless Steel Tubing, Type 316, 0.049" Wall <i>For Work In Restricted Working Space, Add</i>	21.15 4.31	7.25
40 05 23 43-0110 LF 7/8" Stainless Steel Tubing, Type 316, 0.049" Wall <i>For Work In Restricted Working Space, Add</i>	26.14 5.03	8.36
40 05 23 43-0111 LF 1" Stainless Steel Tubing, Type 316, 0.049" Wall <i>For Work In Restricted Working Space, Add</i>	27.72 5.72	9.48
40 05 23 43-0112 0.065" Wall <small>(40 05 23 43-0095)</small>		
40 05 23 43-0113 LF 1/4" Stainless Steel Tubing, Type 316, 0.065" Wall <i>For Work In Restricted Working Space, Add</i>	12.48 2.51	4.23
40 05 23 43-0114 LF 3/8" Stainless Steel Tubing, Type 316, 0.065" Wall <i>For Work In Restricted Working Space, Add</i>	14.03 2.87	4.79
40 05 23 43-0115 LF 1/2" Stainless Steel Tubing, Type 316, 0.065" Wall <i>For Work In Restricted Working Space, Add</i>	17.59 3.59	6.02
40 05 23 43-0116 LF 5/8" Stainless Steel Tubing, Type 316, 0.065" Wall <i>For Work In Restricted Working Space, Add</i>	21.02 4.31	7.25
40 05 23 43-0117 LF 3/4" Stainless Steel Tubing, Type 316, 0.065" Wall <i>For Work In Restricted Working Space, Add</i>	25.11 5.03	8.36
40 05 23 43-0118 LF 7/8" Stainless Steel Tubing, Type 316, 0.065" Wall <i>For Work In Restricted Working Space, Add</i>	27.97 5.72	9.48
40 05 23 43-0119 LF 1" Stainless Steel Tubing, Type 316, 0.065" Wall <i>For Work In Restricted Working Space, Add</i>	32.18 6.43	10.70
40 05 23 43-0120 Type 316 Tube Fittings <small>(40 05 23 43-0011)</small>		
40 05 23 43-0121 90 Degree Elbows <small>(40 05 23 43-0120)</small>		
40 05 23 43-0122 EA 1/4" 90 Degree Elbow, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	45.02 7.19	12.04
40 05 23 43-0123 EA 3/8" 90 Degree Elbow, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	52.77 7.87	13.15
40 05 23 43-0124 EA 1/2" 90 Degree Elbow, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	77.31 8.92	14.83
40 05 23 43-0125 EA 5/8" 90 Degree Elbow, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	82.92 9.98	16.61
40 05 23 43-0126 EA 3/4" 90 Degree Elbow, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	92.48 10.79	17.94
40 05 23 43-0127 EA 7/8" 90 Degree Elbow, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	124.24 11.94	19.95
40 05 23 43-0128 EA 1" 90 Degree Elbow, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	157.49 14.23	23.74
40 05 23 43-0129 Union Tees <small>(40 05 23 43-0120)</small>		
40 05 23 43-0130 EA 1/4" Union Tee, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	70.97 10.79	17.94
40 05 23 43-0131 EA 3/8" Union Tee, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	85.23 11.94	19.95
40 05 23 43-0132 EA 1/2" Union Tee, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	114.26 13.37	22.30
40 05 23 43-0133 EA 5/8" Union Tee, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	123.54 15.20	25.30
40 05 23 43-0134 EA 3/4" Union Tee, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	155.51 16.31	27.20
40 05 23 43-0135 EA 7/8" Union Tee, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	241.24 18.08	30.10
40 05 23 43-0136 EA 1" Union Tee, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	289.06 21.57	36.01

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 23 Stainless Steel Process Pipe and Tubing**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 43-0137 Unions <small>(40 05 23 43-0120)</small>		
40 05 23 43-0138 EA 1/4" Union, Stainless Steel Type 316.....	52.43	17.94
<i>For Work In Restricted Working Space, Add</i>	10.79	
40 05 23 43-0139 EA 3/8" Union, Stainless Steel Type 316.....	63.84	19.95
<i>For Work In Restricted Working Space, Add</i>	11.94	
40 05 23 43-0140 EA 1/2" Union, Stainless Steel Type 316.....	80.73	22.30
<i>For Work In Restricted Working Space, Add</i>	13.37	
40 05 23 43-0141 EA 5/8" Union, Stainless Steel Type 316.....	96.19	25.30
<i>For Work In Restricted Working Space, Add</i>	15.20	
40 05 23 43-0142 EA 3/4" Union, Stainless Steel Type 316.....	111.12	27.20
<i>For Work In Restricted Working Space, Add</i>	16.31	
40 05 23 43-0143 EA 7/8" Union, Stainless Steel Type 316.....	156.81	30.10
<i>For Work In Restricted Working Space, Add</i>	18.08	
40 05 23 43-0144 EA 1" Union, Stainless Steel Type 316.....	171.56	36.01
<i>For Work In Restricted Working Space, Add</i>	21.57	
40 05 23 43-0145 Male Connectors <small>(40 05 23 43-0120)</small>		
40 05 23 43-0146 EA 1/4" x 1/4" Male Connector, Stainless Steel Type 316.....	34.95	12.04
<i>For Work In Restricted Working Space, Add</i>	7.19	
40 05 23 43-0147 EA 3/8" x 3/8" Male Connector, Stainless Steel Type 316.....	42.82	13.15
<i>For Work In Restricted Working Space, Add</i>	7.87	
40 05 23 43-0148 EA 1/2" x 1/2" Male Connector, Stainless Steel Type 316.....	54.55	14.83
<i>For Work In Restricted Working Space, Add</i>	8.92	
40 05 23 43-0149 EA 5/8" x 5/8" Male Connector, Stainless Steel Type 316.....	61.41	16.61
<i>For Work In Restricted Working Space, Add</i>	9.98	
40 05 23 43-0150 EA 3/4" x 3/4" Male Connector, Stainless Steel Type 316.....	73.26	17.94
<i>For Work In Restricted Working Space, Add</i>	10.79	
40 05 23 43-0151 EA 7/8" x 7/8" Male Connector, Stainless Steel Type 316.....	107.08	19.95
<i>For Work In Restricted Working Space, Add</i>	11.94	
40 05 23 43-0152 EA 1" x 1" Male Connector, Stainless Steel Type 316.....	113.44	23.74
<i>For Work In Restricted Working Space, Add</i>	14.23	
40 05 23 43-0153 Type 316 Valves <small>(40 05 23 43-0011)</small>		
40 05 23 43-0154 Gate Valves <small>(40 05 23 43-0153)</small>		
40 05 23 43-0155 EA 1/4" Gate Valve, Stainless Steel Type 316.....	207.10	17.94
<i>For Work In Restricted Working Space, Add</i>	9.74	
40 05 23 43-0156 EA 3/8" Gate Valve, Stainless Steel Type 316.....	349.08	21.07
<i>For Work In Restricted Working Space, Add</i>	10.25	
40 05 23 43-0157 EA 1/2" Gate Valve, Stainless Steel Type 316.....	362.34	23.74
<i>For Work In Restricted Working Space, Add</i>	14.23	
40 05 23 43-0158 EA 3/4" Gate Valve, Stainless Steel Type 316.....	401.66	27.20
<i>For Work In Restricted Working Space, Add</i>	16.31	
40 05 23 43-0159 EA 1" Gate Valve, Stainless Steel Type 316.....	368.59	36.01
<i>For Work In Restricted Working Space, Add</i>	21.57	
40 05 23 43-0160 EA 1-1/4" Gate Valve, Stainless Steel Type 316.....	501.08	37.34
<i>For Work In Restricted Working Space, Add</i>	22.40	
40 05 23 43-0161 EA 1-1/2" Gate Valve, Stainless Steel Type 316.....	796.58	40.68
<i>For Work In Restricted Working Space, Add</i>	24.41	
40 05 23 43-0162 EA 2" Gate Valve, Stainless Steel Type 316.....	950.65	55.73
<i>For Work In Restricted Working Space, Add</i>	33.44	
40 05 23 43-0163 EA 2-1/2" Gate Valve, Stainless Steel Type 316.....	1,453.47	178.46
<i>For Work In Restricted Working Space, Add</i>	107.04	
40 05 23 43-0164 Globe Valves <small>(40 05 23 43-0153)</small>		
40 05 23 43-0165 EA 1/4" Globe Valve, Stainless Steel Type 316.....	209.96	17.94
<i>For Work In Restricted Working Space, Add</i>	9.74	
40 05 23 43-0166 EA 3/8" Globe Valve, Stainless Steel Type 316.....	138.65	21.07
<i>For Work In Restricted Working Space, Add</i>	10.25	
40 05 23 43-0167 EA 1/2" Globe Valve, Stainless Steel Type 316.....	249.15	23.74
<i>For Work In Restricted Working Space, Add</i>	14.23	
40 05 23 43-0168 EA 3/4" Globe Valve, Stainless Steel Type 316.....	277.35	27.20
<i>For Work In Restricted Working Space, Add</i>	16.31	
40 05 23 43-0169 EA 1" Globe Valve, Stainless Steel Type 316.....	404.62	36.01
<i>For Work In Restricted Working Space, Add</i>	21.57	
40 05 23 43-0170 EA 1-1/4" Globe Valve, Stainless Steel Type 316.....	501.91	37.11
<i>For Work In Restricted Working Space, Add</i>	22.24	
40 05 23 43-0171 EA 1-1/2" Globe Valve, Stainless Steel Type 316.....	825.19	40.68
<i>For Work In Restricted Working Space, Add</i>	24.41	
40 05 23 43-0172 EA 2" Globe Valve, Stainless Steel Type 316.....	979.26	55.73
<i>For Work In Restricted Working Space, Add</i>	33.44	
40 05 23 43-0173 EA 2-1/2" Globe Valve, Stainless Steel Type 316.....	1,272.28	178.46
<i>For Work In Restricted Working Space, Add</i>	107.04	
40 05 23 43-0174 Check Valves <small>(40 05 23 43-0153)</small>		
40 05 23 43-0175 EA 1/4" Check Valve, Stainless Steel Type 316.....	294.05	17.94
<i>For Work In Restricted Working Space, Add</i>	9.74	
40 05 23 43-0176 EA 3/8" Check Valve, Stainless Steel Type 316.....	295.76	21.07
<i>For Work In Restricted Working Space, Add</i>	10.25	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 43-0177 EA 1/2" Check Valve, Stainless Steel Type 316..... <i>For Work In Restricted Working Space, Add</i>	193.65 14.23	23.74
40 05 23 43-0178 EA 3/4" Check Valve, Stainless Steel Type 316..... <i>For Work In Restricted Working Space, Add</i>	202.71 16.31	27.20
40 05 23 43-0179 EA 1" Check Valve, Stainless Steel Type 316..... <i>For Work In Restricted Working Space, Add</i>	224.49 21.57	36.01
40 05 23 43-0180 EA 1-1/4" Check Valve, Stainless Steel Type 316..... <i>For Work In Restricted Working Space, Add</i>	305.27 22.40	37.34
40 05 23 43-0181 EA 1-1/2" Check Valve, Stainless Steel Type 316..... <i>For Work In Restricted Working Space, Add</i>	663.07 24.41	40.68
40 05 23 43-0182 EA 2" Check Valve, Stainless Steel Type 316..... <i>For Work In Restricted Working Space, Add</i>	807.61 33.44	55.73
40 05 23 43-0183 EA 2-1/2" Check Valve, Stainless Steel Type 316..... <i>For Work In Restricted Working Space, Add</i>	1,628.31 107.04	178.46
40 05 23 43-0184 Diaphragm Valves, Ethylene Propylene Diene Monomer (EPDM) Lined <small>(40 05 23 43-0153)</small>		
40 05 23 43-0185 EA 1/2" Diaphragm Valve, Stainless Steel Type 316, Ethylene Propylene Diene Monomer (EPDM) Lined..... <i>For Work In Restricted Working Space, Add</i>	318.53 14.23	23.74
40 05 23 43-0186 EA 3/4" Diaphragm Valve, Stainless Steel Type 316, Ethylene Propylene Diene Monomer (EPDM) Lined..... <i>For Work In Restricted Working Space, Add</i>	371.89 16.31	27.20
40 05 23 43-0187 EA 1" Diaphragm Valve, Stainless Steel Type 316, Ethylene Propylene Diene Monomer (EPDM) Lined..... <i>For Work In Restricted Working Space, Add</i>	474.84 21.57	36.01
40 05 23 43-0188 EA 1-1/2" Diaphragm Valve, Stainless Steel Type 316, Ethylene Propylene Diene Monomer (EPDM) Lined..... <i>For Work In Restricted Working Space, Add</i>	749.82 24.41	40.68
40 05 23 43-0189 EA 2" Diaphragm Valve, Stainless Steel Type 316, Ethylene Propylene Diene Monomer (EPDM) Lined..... <i>For Work In Restricted Working Space, Add</i>	1,047.30 33.44	55.73
40 05 23 43-0190 Diaphragm Valves, Teflon Lined <small>(40 05 23 43-0153)</small>		
40 05 23 43-0191 EA 1/2" Diaphragm Valve, Stainless Steel Type 316, Teflon Lined..... <i>For Work In Restricted Working Space, Add</i>	418.80 14.23	23.74
40 05 23 43-0192 EA 3/4" Diaphragm Valve, Stainless Steel Type 316, Teflon Lined..... <i>For Work In Restricted Working Space, Add</i>	481.44 16.31	27.20
40 05 23 43-0193 EA 1" Diaphragm Valve, Stainless Steel Type 316, Teflon Lined..... <i>For Work In Restricted Working Space, Add</i>	584.40 21.57	36.01
40 05 23 43-0194 EA 1-1/2" Diaphragm Valve, Stainless Steel Type 316, Teflon Lined..... <i>For Work In Restricted Working Space, Add</i>	903.93 24.41	40.68
40 05 23 43-0195 EA 2" Diaphragm Valve, Stainless Steel Type 316, Teflon Lined..... <i>For Work In Restricted Working Space, Add</i>	1,231.13 33.44	55.73
40 05 23 43-0196 Strainers <small>(40 05 23 43-0153)</small>		
40 05 23 43-0197 EA 1/2" Strainer, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	419.76 14.23	23.74
40 05 23 43-0198 EA 3/4" Strainer, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	501.92 16.39	27.31
40 05 23 43-0199 EA 1" Strainer, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	656.92 21.74	36.23
40 05 23 43-0200 EA 1-1/4" Strainer, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	812.61 22.41	37.34
40 05 23 43-0201 EA 1-1/2" Strainer, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	1,017.45 24.41	40.68
40 05 23 43-0202 EA 2" Strainer, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	1,466.11 33.44	55.73
40 05 23 43-0203 EA 2-1/2" Strainer, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	2,013.83 44.48	74.13
40 05 23 43-0204 EA 3" Strainer, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	2,934.13 66.88	111.46
40 05 23 43-0205 EA 4" Strainer, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	3,770.17 107.00	178.35
40 05 23 43-0206 Plug Valves <small>(40 05 23 43-0153)</small>		
40 05 23 43-0207 EA 1/2" Plug Valve, Stainless Steel Type 316..... <i>For Work In Restricted Working Space, Add</i>	446.68 14.23	23.74
40 05 23 43-0208 EA 3/4" Plug Valve, Stainless Steel Type 316..... <i>For Work In Restricted Working Space, Add</i>	489.10 16.31	27.20
40 05 23 43-0209 EA 1" Plug Valve, Stainless Steel Type 316..... <i>For Work In Restricted Working Space, Add</i>	553.96 21.57	36.01
40 05 23 43-0210 EA 1-1/2" Plug Valve, Stainless Steel Type 316..... <i>For Work In Restricted Working Space, Add</i>	769.11 24.41	40.68
40 05 23 43-0211 EA 2" Plug Valve, Stainless Steel Type 316..... <i>For Work In Restricted Working Space, Add</i>	1,001.61 33.44	55.73
40 05 23 43-0212 Cut And Prepare Existing Pipe In-Place <small>(40 05 23 43-0011)</small>		
Note: For use when connecting pipe to an existing in-place system.		
40 05 23 43-0213 EA Cut And Prepare 1/2" Stainless Steel Pipe	22.29	
40 05 23 43-0214 EA Cut And Prepare 3/4" Stainless Steel Pipe	24.07	
40 05 23 43-0215 EA Cut And Prepare 1" Stainless Steel Pipe.....	27.08	
40 05 23 43-0216 EA Cut And Prepare 1-1/4" Stainless Steel Pipe.....	28.42	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 23 Stainless Steel Process Pipe and Tubing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 43-0217	EA		Cut And Prepare 1-1/2" Stainless Steel Pipe.....	30.09	
40 05 23 43-0218	EA		Cut And Prepare 2" Stainless Steel Pipe.....	32.31	
40 05 23 43-0219	EA		Cut And Prepare 2-1/2" Stainless Steel Pipe.....	34.55	
40 05 23 43-0220	EA		Cut And Prepare 3" Stainless Steel Pipe.....	37.89	
40 05 23 43-0221	EA		Cut And Prepare 4" Stainless Steel Pipe.....	41.23	
40 05 23 43-0222	EA		Cut And Prepare 6" Stainless Steel Pipe.....	44.57	
40 05 23 43-0223	EA		Cut And Prepare 8" Stainless Steel Pipe.....	47.92	
40 05 23 43-0224	EA		Cut And Prepare 10" Stainless Steel Pipe.....	52.38	
40 05 23 43-0225	EA		Cut And Prepare 12" Stainless Steel Pipe.....	56.83	
40 05 23 43-0226	EA		Cut And Prepare 14" Stainless Steel Pipe.....	61.28	
40 05 23 43-0227	EA		Cut And Prepare 16" Stainless Steel Pipe.....	65.74	
40 05 23 43-0228	EA		Cut And Prepare 18" Stainless Steel Pipe.....	69.09	
40 05 23 43-0229	EA		Cut And Prepare 20" Stainless Steel Pipe.....	72.43	
40 05 23 43-0230	EA		Cut And Prepare 24" Stainless Steel Pipe.....	76.89	
40 05 23 43-0231			Stainless Steel Pipe And Fittings <small>(40 05 23 43)</small>		
40 05 23 43-0232			Type 304, Schedule 40 Pipe And 150 LB Threaded Fittings <small>(40 05 23 43-0231)</small>		
40 05 23 43-0233			Pipe <small>(40 05 23 43-0232)</small>		
40 05 23 43-0234	LF		1/2" Pipe, Stainless Steel, Schedule 40 Type 304 For 150 LB Threaded Fitting.....	14.28	4.79
			<i>For Work In Restricted Working Space, Add</i>	2.87	
40 05 23 43-0235	LF		3/4" Pipe, Stainless Steel, Schedule 40 Type 304 For 150 LB Threaded Fitting.....	17.64	6.02
			<i>For Work In Restricted Working Space, Add</i>	3.59	
40 05 23 43-0236	LF		1" Pipe, Stainless Steel, Schedule 40 Type 304 For 150 LB Threaded Fitting.....	21.58	7.25
			<i>For Work In Restricted Working Space, Add</i>	4.31	
40 05 23 43-0237	LF		1-1/4" Pipe, Stainless Steel, Schedule 40 Type 304 For 150 LB Threaded Fitting.....	25.75	8.36
			<i>For Work In Restricted Working Space, Add</i>	5.03	
40 05 23 43-0238	LF		1-1/2" Pipe, Stainless Steel, Schedule 40 Type 304 For 150 LB Threaded Fitting.....	29.69	9.48
			<i>For Work In Restricted Working Space, Add</i>	5.72	
40 05 23 43-0239	LF		2" Pipe, Stainless Steel, Schedule 40 Type 304 For 150 LB Threaded Fitting.....	37.81	12.04
			<i>For Work In Restricted Working Space, Add</i>	7.19	
40 05 23 43-0240	LF		2-1/2" Pipe, Stainless Steel, Schedule 40 Type 304 For 150 LB Threaded Fitting.....	49.94	14.26
			<i>For Work In Restricted Working Space, Add</i>	8.57	
40 05 23 43-0241	LF		3" Pipe, Stainless Steel, Schedule 40 Type 304 For 150 LB Threaded Fitting.....	62.79	17.94
			<i>For Work In Restricted Working Space, Add</i>	10.79	
40 05 23 43-0242	LF		4" Pipe, Stainless Steel, Schedule 40 Type 304 For 150 LB Threaded Fitting.....	84.58	23.74
			<i>For Work In Restricted Working Space, Add</i>	14.23	
40 05 23 43-0243			90 Degree Elbows <small>(40 05 23 43-0232)</small>		
40 05 23 43-0244	EA		1/2" 90 Degree Elbow, Stainless Steel, Schedule 40 Type 304.....	42.51	17.94
			<i>For Work In Restricted Working Space, Add</i>	10.79	
40 05 23 43-0245	EA		3/4" 90 Degree Elbow, Stainless Steel, Schedule 40 Type 304.....	54.87	23.74
			<i>For Work In Restricted Working Space, Add</i>	14.23	
40 05 23 43-0246	EA		1" 90 Degree Elbow, Stainless Steel, Schedule 40 Type 304.....	70.14	30.10
			<i>For Work In Restricted Working Space, Add</i>	18.08	
40 05 23 43-0247	EA		1-1/4" 90 Degree Elbow, Stainless Steel, Schedule 40 Type 304.....	97.41	41.24
			<i>For Work In Restricted Working Space, Add</i>	24.77	
40 05 23 43-0248	EA		1-1/2" 90 Degree Elbow, Stainless Steel, Schedule 40 Type 304.....	113.79	48.48
			<i>For Work In Restricted Working Space, Add</i>	29.08	
40 05 23 43-0249	EA		2" 90 Degree Elbow, Stainless Steel, Schedule 40 Type 304.....	141.69	58.64
			<i>For Work In Restricted Working Space, Add</i>	35.20	
40 05 23 43-0250	EA		2-1/2" 90 Degree Elbow, Stainless Steel, Schedule 40 Type 304.....	253.04	92.85
			<i>For Work In Restricted Working Space, Add</i>	55.73	
40 05 23 43-0251	EA		3" 90 Degree Elbow, Stainless Steel, Schedule 40 Type 304.....	324.65	119.82
			<i>For Work In Restricted Working Space, Add</i>	71.91	
40 05 23 43-0252	EA		4" 90 Degree Elbow, Stainless Steel, Schedule 40 Type 304.....	463.75	148.58
			<i>For Work In Restricted Working Space, Add</i>	89.17	
40 05 23 43-0253			45 Degree Elbows <small>(40 05 23 43-0232)</small>		
40 05 23 43-0254	EA		1/2" 45 Degree Elbow, Stainless Steel, Schedule 40 Type 304.....	44.93	17.94
			<i>For Work In Restricted Working Space, Add</i>	10.79	
40 05 23 43-0255	EA		3/4" 45 Degree Elbow, Stainless Steel, Schedule 40 Type 304.....	57.15	23.74
			<i>For Work In Restricted Working Space, Add</i>	14.23	
40 05 23 43-0256	EA		1" 45 Degree Elbow, Stainless Steel, Schedule 40 Type 304.....	70.96	30.10
			<i>For Work In Restricted Working Space, Add</i>	18.08	
40 05 23 43-0257	EA		1-1/4" 45 Degree Elbow, Stainless Steel, Schedule 40 Type 304.....	96.43	41.24
			<i>For Work In Restricted Working Space, Add</i>	24.77	
40 05 23 43-0258	EA		1-1/2" 45 Degree Elbow, Stainless Steel, Schedule 40 Type 304.....	114.84	48.48
			<i>For Work In Restricted Working Space, Add</i>	29.08	
40 05 23 43-0259	EA		2" 45 Degree Elbow, Stainless Steel, Schedule 40 Type 304.....	142.66	58.64
			<i>For Work In Restricted Working Space, Add</i>	35.20	
40 05 23 43-0260	EA		2-1/2" 45 Degree Elbow, Stainless Steel, Schedule 40 Type 304.....	273.41	92.85
			<i>For Work In Restricted Working Space, Add</i>	55.73	
40 05 23 43-0261	EA		3" 45 Degree Elbow, Stainless Steel, Schedule 40 Type 304.....	363.56	119.82
			<i>For Work In Restricted Working Space, Add</i>	71.91	
40 05 23 43-0262	EA		4" 45 Degree Elbow, Stainless Steel, Schedule 40 Type 304.....	521.20	148.58
			<i>For Work In Restricted Working Space, Add</i>	89.17	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 43-0263 Tees <small>(40 05 23 43-0232)</small>					
40 05 23 43-0264	EA		1/2" Tee, Stainless Steel, Schedule 40 Type 304.....	64.20	27.20
			<i>For Work In Restricted Working Space, Add</i>	16.31	
40 05 23 43-0265	EA		3/4" Tee, Stainless Steel, Schedule 40 Type 304.....	82.40	36.01
			<i>For Work In Restricted Working Space, Add</i>	21.57	
40 05 23 43-0266	EA		1" Tee, Stainless Steel, Schedule 40 Type 304.....	101.57	44.58
			<i>For Work In Restricted Working Space, Add</i>	26.75	
40 05 23 43-0267	EA		1-1/4" Tee, Stainless Steel, Schedule 40 Type 304.....	144.12	61.97
			<i>For Work In Restricted Working Space, Add</i>	37.16	
40 05 23 43-0268	EA		1-1/2" Tee, Stainless Steel, Schedule 40 Type 304.....	164.81	69.66
			<i>For Work In Restricted Working Space, Add</i>	41.80	
40 05 23 43-0269	EA		2" Tee, Stainless Steel, Schedule 40 Type 304.....	216.54	92.85
			<i>For Work In Restricted Working Space, Add</i>	55.73	
40 05 23 43-0270	EA		2-1/2" Tee, Stainless Steel, Schedule 40 Type 304.....	370.39	134.32
			<i>For Work In Restricted Working Space, Add</i>	80.58	
40 05 23 43-0271	EA		3" Tee, Stainless Steel, Schedule 40 Type 304.....	514.47	179.80
			<i>For Work In Restricted Working Space, Add</i>	107.87	
40 05 23 43-0272	EA		4" Tee, Stainless Steel, Schedule 40 Type 304.....	695.50	222.93
			<i>For Work In Restricted Working Space, Add</i>	133.76	
40 05 23 43-0273 Reducers <small>(40 05 23 43-0232)</small>					
40 05 23 43-0274	EA		3/4" x 1/2" Reducer, Stainless Steel, Schedule 40 Type 304.....	53.60	23.74
			<i>For Work In Restricted Working Space, Add</i>	14.23	
40 05 23 43-0275	EA		1" x 3/4" Reducer, Stainless Steel, Schedule 40 Type 304.....	69.37	30.10
			<i>For Work In Restricted Working Space, Add</i>	18.08	
40 05 23 43-0276	EA		1-1/4" x 1" Reducer, Stainless Steel, Schedule 40 Type 304.....	101.24	41.24
			<i>For Work In Restricted Working Space, Add</i>	24.77	
40 05 23 43-0277	EA		1-1/2" x 1-1/4" Reducer, Stainless Steel, Schedule 40 Type 304.....	117.52	48.48
			<i>For Work In Restricted Working Space, Add</i>	29.08	
40 05 23 43-0278	EA		2" x 1-1/2" Reducer, Stainless Steel, Schedule 40 Type 304.....	149.44	58.64
			<i>For Work In Restricted Working Space, Add</i>	35.20	
40 05 23 43-0279	EA		2-1/2" x 2" Reducer, Stainless Steel, Schedule 40 Type 304.....	253.24	92.85
			<i>For Work In Restricted Working Space, Add</i>	55.73	
40 05 23 43-0280	EA		3" x 2-1/2" Reducer, Stainless Steel, Schedule 40 Type 304.....	311.88	119.82
			<i>For Work In Restricted Working Space, Add</i>	71.91	
40 05 23 43-0281	EA		4" x 3" Reducer, Stainless Steel, Schedule 40 Type 304.....	438.10	148.58
			<i>For Work In Restricted Working Space, Add</i>	89.17	
40 05 23 43-0282	EA		4" x 2" Reducer, Stainless Steel, Schedule 40 Type 304.....	376.18	136.54
			<i>For Work In Restricted Working Space, Add</i>	81.93	
40 05 23 43-0283 Unions <small>(40 05 23 43-0232)</small>					
40 05 23 43-0284	EA		1/2" Union, Stainless Steel, Schedule 40 Type 304.....	68.03	27.20
			<i>For Work In Restricted Working Space, Add</i>	16.31	
40 05 23 43-0285	EA		3/4" Union, Stainless Steel, Schedule 40 Type 304.....	90.63	36.01
			<i>For Work In Restricted Working Space, Add</i>	21.57	
40 05 23 43-0286	EA		1" Union, Stainless Steel, Schedule 40 Type 304.....	116.35	44.58
			<i>For Work In Restricted Working Space, Add</i>	26.75	
40 05 23 43-0287	EA		1-1/4" Union, Stainless Steel, Schedule 40 Type 304.....	173.80	61.97
			<i>For Work In Restricted Working Space, Add</i>	37.16	
40 05 23 43-0288	EA		1-1/2" Union, Stainless Steel, Schedule 40 Type 304.....	198.05	69.66
			<i>For Work In Restricted Working Space, Add</i>	41.80	
40 05 23 43-0289	EA		2" Union, Stainless Steel, Schedule 40 Type 304.....	259.90	92.85
			<i>For Work In Restricted Working Space, Add</i>	55.73	
40 05 23 43-0290 Flanges <small>(40 05 23 43-0232)</small>					
40 05 23 43-0291	EA		2-1/2" Flange, Stainless Steel, Schedule 40 Type 304.....	245.57	92.85
			<i>For Work In Restricted Working Space, Add</i>	55.73	
40 05 23 43-0292	EA		3" Flange, Stainless Steel, Schedule 40 Type 304.....	304.90	119.82
			<i>For Work In Restricted Working Space, Add</i>	71.91	
40 05 23 43-0293	EA		4" Flange, Stainless Steel, Schedule 40 Type 304.....	390.91	148.58
			<i>For Work In Restricted Working Space, Add</i>	89.17	
40 05 23 43-0294 Caps <small>(40 05 23 43-0232)</small>					
40 05 23 43-0295	EA		1/2" Caps, Stainless Steel, Schedule 40 Type 304.....	20.48	9.03
			<i>For Work In Restricted Working Space, Add</i>	5.39	
40 05 23 43-0296	EA		3/4" Caps, Stainless Steel, Schedule 40 Type 304.....	27.63	12.04
			<i>For Work In Restricted Working Space, Add</i>	7.19	
40 05 23 43-0297	EA		1" Caps, Stainless Steel, Schedule 40 Type 304.....	35.10	14.83
			<i>For Work In Restricted Working Space, Add</i>	8.92	
40 05 23 43-0298	EA		1-1/4" Caps, Stainless Steel, Schedule 40 Type 304.....	56.15	21.07
			<i>For Work In Restricted Working Space, Add</i>	12.62	
40 05 23 43-0299	EA		1-1/2" Caps, Stainless Steel, Schedule 40 Type 304.....	63.69	23.74
			<i>For Work In Restricted Working Space, Add</i>	14.23	
40 05 23 43-0300	EA		2" Caps, Stainless Steel, Schedule 40 Type 304.....	80.88	30.10
			<i>For Work In Restricted Working Space, Add</i>	18.08	
40 05 23 43-0301	EA		2-1/2" Caps, Stainless Steel, Schedule 40 Type 304.....	124.13	44.58
			<i>For Work In Restricted Working Space, Add</i>	26.75	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 23 Stainless Steel Process Pipe and Tubing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 43-0302	EA		3" Caps, Stainless Steel, Schedule 40 Type 304.....	165.66	58.64
			<i>For Work In Restricted Working Space, Add</i>	35.20	
40 05 23 43-0303	EA		4" Caps, Stainless Steel, Schedule 40 Type 304.....	237.96	74.35
			<i>For Work In Restricted Working Space, Add</i>	44.59	
40 05 23 43-0304			Additional Fittings <small>(40 05 23 43-0232)</small>		
40 05 23 43-0305	EA		1/2" Thread-O-Let, Stainless Steel, Schedule 40 Type 304.....	84.66	37.34
			<i>For Work In Restricted Working Space, Add</i>	22.40	
40 05 23 43-0306	EA		3/4" Thread-O-Let, Stainless Steel, Schedule 40 Type 304.....	99.71	44.58
			<i>For Work In Restricted Working Space, Add</i>	26.75	
40 05 23 43-0307	EA		1" Thread-O-Let, Stainless Steel, Schedule 40 Type 304.....	138.09	50.71
			<i>For Work In Restricted Working Space, Add</i>	30.43	
40 05 23 43-0308	EA		1-1/4" Thread-O-Let, Stainless Steel, Schedule 40 Type 304.....	162.07	55.73
			<i>For Work In Restricted Working Space, Add</i>	33.44	
40 05 23 43-0309	EA		1-1/2" Thread-O-Let, Stainless Steel, Schedule 40 Type 304.....	162.07	55.73
			<i>For Work In Restricted Working Space, Add</i>	33.44	
40 05 23 43-0310	EA		2" Thread-O-Let, Stainless Steel, Schedule 40 Type 304.....	200.03	61.31
			<i>For Work In Restricted Working Space, Add</i>	36.78	
40 05 23 43-0311			Type 304 Schedule 5 Pipe And Welded Butt Fittings <small>(40 05 23 43-0231)</small>		
40 05 23 43-0312			Pipe <small>(40 05 23 43-0311)</small>		
40 05 23 43-0313	LF		1/2" Pipe, Stainless Steel Schedule 5 Type 304 For Butt Weld Fitting.....	15.29	4.66
			<i>For Work In Restricted Working Space, Add</i>	2.80	
40 05 23 43-0314	LF		3/4" Pipe, Stainless Steel Schedule 5 Type 304 For Butt Weld Fitting.....	18.26	5.70
			<i>For Work In Restricted Working Space, Add</i>	3.42	
40 05 23 43-0315	LF		1" Pipe, Stainless Steel Schedule 5 Type 304 For Welded Butt Fitting.....	21.66	6.74
			<i>For Work In Restricted Working Space, Add</i>	4.01	
40 05 23 43-0316	LF		1-1/4" Pipe, Stainless Steel Schedule 5 Type 304 For Welded Butt Fitting.....	26.18	8.39
			<i>For Work In Restricted Working Space, Add</i>	5.02	
40 05 23 43-0317	LF		1-1/2" Pipe, Stainless Steel Schedule 5 Type 304 For Welded Butt Fitting.....	29.76	9.43
			<i>For Work In Restricted Working Space, Add</i>	5.66	
40 05 23 43-0318	LF		2" Pipe, Stainless Steel Schedule 5 Type 304 For Welded Butt Fitting.....	37.03	11.71
			<i>For Work In Restricted Working Space, Add</i>	7.01	
40 05 23 43-0319	LF		2-1/2" Pipe, Stainless Steel Schedule 5 Type 304 For Welded Butt Fitting.....	45.72	13.37
			<i>For Work In Restricted Working Space, Add</i>	8.00	
40 05 23 43-0320	LF		3" Pipe, Stainless Steel Schedule 5 Type 304 For Welded Butt Fitting.....	52.99	15.03
			<i>For Work In Restricted Working Space, Add</i>	9.01	
40 05 23 43-0321	LF		4" Pipe, Stainless Steel Schedule 5 Type 304 For Welded Butt Fitting.....	64.89	17.83
			<i>For Work In Restricted Working Space, Add</i>	10.67	
40 05 23 43-0322	LF		6" Pipe, Stainless Steel Schedule 5 Type 304 For Welded Butt Fitting.....	101.07	23.43
			<i>For Work In Restricted Working Space, Add</i>	14.01	
40 05 23 43-0323	LF		8" Pipe, Stainless Steel Schedule 5 Type 304 For Welded Butt Fitting.....	164.89	38.10
			<i>For Work In Restricted Working Space, Add</i>	24.49	
40 05 23 43-0324	LF		10" Pipe, Stainless Steel Schedule 5 Type 304 For Welded Butt Fitting.....	207.05	41.90
			<i>For Work In Restricted Working Space, Add</i>	26.93	
40 05 23 43-0325	LF		12" Pipe, Stainless Steel Schedule 5 Type 304 For Welded Butt Fitting.....	235.89	46.58
			<i>For Work In Restricted Working Space, Add</i>	29.93	
40 05 23 43-0326	LF		14" Pipe, Stainless Steel Schedule 5 Type 304 For Welded Butt Fitting.....	287.08	52.37
			<i>For Work In Restricted Working Space, Add</i>	33.67	
40 05 23 43-0327	LF		16" Pipe, Stainless Steel Schedule 5 Type 304 For Welded Butt Fitting.....	317.50	59.85
			<i>For Work In Restricted Working Space, Add</i>	38.48	
40 05 23 43-0328	LF		18" Pipe, Stainless Steel Schedule 5 Type 304 For Welded Butt Fitting.....	357.50	69.83
			<i>For Work In Restricted Working Space, Add</i>	44.89	
40 05 23 43-0329	LF		20" Pipe, Stainless Steel Schedule 5 Type 304 For Welded Butt Fitting.....	471.73	83.79
			<i>For Work In Restricted Working Space, Add</i>	53.87	
40 05 23 43-0330	LF		24" Pipe, Stainless Steel Schedule 5 Type 304 For Welded Butt Fitting.....	611.92	104.74
			<i>For Work In Restricted Working Space, Add</i>	67.33	
40 05 23 43-0331			90 Degree Elbows <small>(40 05 23 43-0311)</small>		
40 05 23 43-0332	EA		1/2" 90 Degree Elbow, Stainless Steel Schedule 5 Type 304.....	131.70	59.08
			<i>For Work In Restricted Working Space, Add</i>	35.45	
40 05 23 43-0333	EA		3/4" 90 Degree Elbow, Stainless Steel Schedule 5 Type 304.....	139.66	62.71
			<i>For Work In Restricted Working Space, Add</i>	37.62	
40 05 23 43-0334	EA		1" 90 Degree Elbow, Stainless Steel Schedule 5 Type 304.....	153.33	68.92
			<i>For Work In Restricted Working Space, Add</i>	41.35	
40 05 23 43-0335	EA		1-1/4" 90 Degree Elbow, Stainless Steel Schedule 5 Type 304.....	175.09	75.15
			<i>For Work In Restricted Working Space, Add</i>	45.09	
40 05 23 43-0336	EA		1-1/2" 90 Degree Elbow, Stainless Steel Schedule 5 Type 304.....	185.16	82.92
			<i>For Work In Restricted Working Space, Add</i>	49.70	
40 05 23 43-0337	EA		2" 90 Degree Elbow, Stainless Steel Schedule 5 Type 304.....	210.68	92.25
			<i>For Work In Restricted Working Space, Add</i>	55.37	
40 05 23 43-0338	EA		2-1/2" 90 Degree Elbow, Stainless Steel Schedule 5 Type 304.....	273.18	118.17
			<i>For Work In Restricted Working Space, Add</i>	70.80	
40 05 23 43-0339	EA		3" 90 Degree Elbow, Stainless Steel Schedule 5 Type 304.....	323.17	138.37
			<i>For Work In Restricted Working Space, Add</i>	82.88	
40 05 23 43-0340	EA		4" 90 Degree Elbow, Stainless Steel Schedule 5 Type 304.....	417.69	165.85
			<i>For Work In Restricted Working Space, Add</i>	99.28	
40 05 23 43-0341	EA		6" 90 Degree Elbow, Stainless Steel Schedule 5 Type 304.....	661.82	207.30
			<i>For Work In Restricted Working Space, Add</i>	124.19	



Process Interconnections	40
Common Work Results For Process Interconnections	
Stainless Steel Process Pipe and Tubing	40 05 23

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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 43-0342 EA 8" 90 Degree Elbow, Stainless Steel Schedule 5 Type 304..... <i>For Work In Restricted Working Space, Add</i>	1,062.64 192.38	299.26
40 05 23 43-0343 EA 10" 90 Degree Elbow, Stainless Steel Schedule 5 Type 304..... <i>For Work In Restricted Working Space, Add</i>	1,722.56 256.51	399.01
40 05 23 43-0344 EA 12" 90 Degree Elbow, Stainless Steel Schedule 5 Type 304..... <i>For Work In Restricted Working Space, Add</i>	2,654.65 384.76	598.52
40 05 23 43-0345 EA 14" 90 Degree Elbow, Stainless Steel Schedule 5 Type 304..... <i>For Work In Restricted Working Space, Add</i>	3,348.21 448.89	698.27
40 05 23 43-0346 EA 16" 90 Degree Elbow, Stainless Steel Schedule 5 Type 304..... <i>For Work In Restricted Working Space, Add</i>	4,121.71 512.04	798.02
40 05 23 43-0347 EA 18" 90 Degree Elbow, Stainless Steel Schedule 5 Type 304..... <i>For Work In Restricted Working Space, Add</i>	5,242.97 641.27	997.53
40 05 23 43-0348 EA 20" 90 Degree Elbow, Stainless Steel Schedule 5 Type 304..... <i>For Work In Restricted Working Space, Add</i>	8,481.03 897.78	1,396.55
40 05 23 43-0349 EA 24" 90 Degree Elbow, Stainless Steel Schedule 5 Type 304..... <i>For Work In Restricted Working Space, Add</i>	11,799.62 1,282.54	1,995.07
40 05 23 43-0350 45 Degree Elbows <small>(40 05 23 43-0311)</small>		
40 05 23 43-0351 EA 1/2" 45 Degree Elbow, Stainless Steel Schedule 5 Type 304..... <i>For Work In Restricted Working Space, Add</i>	137.64 35.45	59.08
40 05 23 43-0352 EA 3/4" 45 Degree Elbow, Stainless Steel Schedule 5 Type 304..... <i>For Work In Restricted Working Space, Add</i>	144.89 37.62	62.71
40 05 23 43-0353 EA 1" 45 Degree Elbow, Stainless Steel Schedule 5 Type 304..... <i>For Work In Restricted Working Space, Add</i>	159.79 41.35	68.92
40 05 23 43-0354 EA 1-1/4" 45 Degree Elbow, Stainless Steel Schedule 5 Type 304..... <i>For Work In Restricted Working Space, Add</i>	187.40 45.07	75.15
40 05 23 43-0355 EA 1-1/2" 45 Degree Elbow, Stainless Steel Schedule 5 Type 304..... <i>For Work In Restricted Working Space, Add</i>	185.82 49.77	82.92
40 05 23 43-0356 EA 2" 45 Degree Elbow, Stainless Steel Schedule 5 Type 304..... <i>For Work In Restricted Working Space, Add</i>	207.49 55.37	92.25
40 05 23 43-0357 EA 2-1/2" 45 Degree Elbow, Stainless Steel Schedule 5 Type 304..... <i>For Work In Restricted Working Space, Add</i>	274.27 70.86	118.17
40 05 23 43-0358 EA 3" 45 Degree Elbow, Stainless Steel Schedule 5 Type 304..... <i>For Work In Restricted Working Space, Add</i>	315.79 83.05	138.37
40 05 23 43-0359 EA 4" 45 Degree Elbow, Stainless Steel Schedule 5 Type 304..... <i>For Work In Restricted Working Space, Add</i>	400.42 99.41	165.85
40 05 23 43-0360 EA 6" 45 Degree Elbow, Stainless Steel Schedule 5 Type 304..... <i>For Work In Restricted Working Space, Add</i>	563.33 124.38	207.30
40 05 23 43-0361 EA 8" 45 Degree Elbow, Stainless Steel Schedule 5 Type 304..... <i>For Work In Restricted Working Space, Add</i>	901.53 192.38	299.26
40 05 23 43-0362 EA 10" 45 Degree Elbow, Stainless Steel Schedule 5 Type 304..... <i>For Work In Restricted Working Space, Add</i>	1,439.28 256.51	399.01
40 05 23 43-0363 EA 12" 45 Degree Elbow, Stainless Steel Schedule 5 Type 304..... <i>For Work In Restricted Working Space, Add</i>	2,212.03 384.76	598.52
40 05 23 43-0364 EA 14" 45 Degree Elbow, Stainless Steel Schedule 5 Type 304..... <i>For Work In Restricted Working Space, Add</i>	2,728.54 448.89	698.27
40 05 23 43-0365 EA 16" 45 Degree Elbow, Stainless Steel Schedule 5 Type 304..... <i>For Work In Restricted Working Space, Add</i>	3,326.78 512.04	798.02
40 05 23 43-0366 EA 18" 45 Degree Elbow, Stainless Steel Schedule 5 Type 304..... <i>For Work In Restricted Working Space, Add</i>	4,501.14 641.27	997.53
40 05 23 43-0367 EA 20" 45 Degree Elbow, Stainless Steel Schedule 5 Type 304..... <i>For Work In Restricted Working Space, Add</i>	7,516.13 897.78	1,396.55
40 05 23 43-0368 EA 24" 45 Degree Elbow, Stainless Steel Schedule 5 Type 304..... <i>For Work In Restricted Working Space, Add</i>	10,232.75 1,282.54	1,995.07
40 05 23 43-0369 Tees <small>(40 05 23 43-0311)</small>		
40 05 23 43-0370 EA 1/2" Tees, Stainless Steel Schedule 5 Type 304..... <i>For Work In Restricted Working Space, Add</i>	205.06 45.05	75.15
40 05 23 43-0371 EA 3/4" Tees, Stainless Steel Schedule 5 Type 304..... <i>For Work In Restricted Working Space, Add</i>	239.24 55.31	92.25
40 05 23 43-0372 EA 1" Tees, Stainless Steel Schedule 5 Type 304..... <i>For Work In Restricted Working Space, Add</i>	259.37 62.14	103.65
40 05 23 43-0373 EA 1-1/4" Tees, Stainless Steel Schedule 5 Type 304..... <i>For Work In Restricted Working Space, Add</i>	325.62 70.86	118.17
40 05 23 43-0374 EA 1-1/2" Tees, Stainless Steel Schedule 5 Type 304..... <i>For Work In Restricted Working Space, Add</i>	305.77 76.06	126.98
40 05 23 43-0375 EA 2" Tees, Stainless Steel Schedule 5 Type 304..... <i>For Work In Restricted Working Space, Add</i>	331.43 82.97	138.37
40 05 23 43-0376 EA 2-1/2" Tees, Stainless Steel Schedule 5 Type 304..... <i>For Work In Restricted Working Space, Add</i>	487.17 99.41	165.85
40 05 23 43-0377 EA 3" Tees, Stainless Steel Schedule 5 Type 304..... <i>For Work In Restricted Working Space, Add</i>	517.07 124.58	207.30
40 05 23 43-0378 EA 4" Tees, Stainless Steel Schedule 5 Type 304..... <i>For Work In Restricted Working Space, Add</i>	609.46 139.82	233.22
40 05 23 43-0379 EA 6" Tees, Stainless Steel Schedule 5 Type 304..... <i>For Work In Restricted Working Space, Add</i>	1,055.17 186.42	310.96
40 05 23 43-0380 EA 8" Tee, Stainless Steel Schedule 5 Type 304..... <i>For Work In Restricted Working Space, Add</i>	1,846.49 256.51	399.01
40 05 23 43-0381 EA 10" Tee, Stainless Steel Schedule 5 Type 304..... <i>For Work In Restricted Working Space, Add</i>	2,840.55 384.76	598.52
40 05 23 43-0382 EA 12" Tee, Stainless Steel Schedule 5 Type 304..... <i>For Work In Restricted Working Space, Add</i>	3,594.94 480.95	748.15

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 23 Stainless Steel Process Pipe and Tubing**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 43-0383 EA 14" Tee, Stainless Steel Schedule 5 Type 304	4,534.45	897.78
<i>For Work In Restricted Working Space, Add</i>	<i>577.97</i>	
40 05 23 43-0384 EA 16" Tee, Stainless Steel Schedule 5 Type 304	5,133.38	1,097.28
<i>For Work In Restricted Working Space, Add</i>	<i>705.06</i>	
40 05 23 43-0385 EA 18" Tee, Stainless Steel Schedule 5 Type 304	6,312.21	1,396.55
<i>For Work In Restricted Working Space, Add</i>	<i>897.78</i>	
40 05 23 43-0386 EA 20" Tee, Stainless Steel Schedule 5 Type 304	9,390.66	1,845.43
<i>For Work In Restricted Working Space, Add</i>	<i>1,181.29</i>	
40 05 23 43-0387 EA 24" Tee, Stainless Steel Schedule 5 Type 304	14,382.51	2,793.09
<i>For Work In Restricted Working Space, Add</i>	<i>1,795.56</i>	
40 05 23 43-0388 Reducers (40 05 23 43-0311)		
40 05 23 43-0389 EA 3/4" Reducer, Stainless Steel Schedule 5 Type 304	140.44	57.01
<i>For Work In Restricted Working Space, Add</i>	<i>34.23</i>	
40 05 23 43-0390 EA 1" Reducer, Stainless Steel Schedule 5 Type 304	154.76	62.19
<i>For Work In Restricted Working Space, Add</i>	<i>37.30</i>	
40 05 23 43-0391 EA 1-1/4" Reducer, Stainless Steel Schedule 5 Type 304	185.33	68.92
<i>For Work In Restricted Working Space, Add</i>	<i>41.35</i>	
40 05 23 43-0392 EA 1-1/2" Reducer, Stainless Steel Schedule 5 Type 304	170.56	75.15
<i>For Work In Restricted Working Space, Add</i>	<i>45.07</i>	
40 05 23 43-0393 EA 2" Reducer, Stainless Steel Schedule 5 Type 304	187.93	82.92
<i>For Work In Restricted Working Space, Add</i>	<i>49.77</i>	
40 05 23 43-0394 EA 2-1/2" Reducer, Stainless Steel Schedule 5 Type 304	240.69	103.65
<i>For Work In Restricted Working Space, Add</i>	<i>62.19</i>	
40 05 23 43-0395 EA 3" Reducer, Stainless Steel Schedule 5 Type 304	269.05	118.17
<i>For Work In Restricted Working Space, Add</i>	<i>70.80</i>	
40 05 23 43-0396 EA 4" Reducer, Stainless Steel Schedule 5 Type 304	313.83	138.37
<i>For Work In Restricted Working Space, Add</i>	<i>82.97</i>	
40 05 23 43-0397 EA 6" Reducer, Stainless Steel Schedule 5 Type 304	402.91	176.21
<i>For Work In Restricted Working Space, Add</i>	<i>105.62</i>	
40 05 23 43-0398 EA 8" Reducer, Stainless Steel Schedule 5 Type 304	746.05	239.41
<i>For Work In Restricted Working Space, Add</i>	<i>153.91</i>	
40 05 23 43-0399 EA 10" Reducer, Stainless Steel Schedule 5 Type 304	965.38	299.26
<i>For Work In Restricted Working Space, Add</i>	<i>192.38</i>	
40 05 23 43-0400 EA 12" Reducer, Stainless Steel Schedule 5 Type 304	1,284.14	399.01
<i>For Work In Restricted Working Space, Add</i>	<i>256.51</i>	
40 05 23 43-0401 EA 14" Reducer, Stainless Steel Schedule 5 Type 304	1,700.97	523.70
<i>For Work In Restricted Working Space, Add</i>	<i>336.67</i>	
40 05 23 43-0402 EA 16" Reducer, Stainless Steel Schedule 5 Type 304	2,000.25	598.52
<i>For Work In Restricted Working Space, Add</i>	<i>383.67</i>	
40 05 23 43-0403 EA 18" Reducer, Stainless Steel Schedule 5 Type 304	2,491.73	748.15
<i>For Work In Restricted Working Space, Add</i>	<i>480.95</i>	
40 05 23 43-0404 EA 20" Reducer, Stainless Steel Schedule 5 Type 304	3,676.02	997.53
<i>For Work In Restricted Working Space, Add</i>	<i>641.27</i>	
40 05 23 43-0405 EA 24" Reducer, Stainless Steel Schedule 5 Type 304	5,713.84	1,496.30
<i>For Work In Restricted Working Space, Add</i>	<i>961.91</i>	
40 05 23 43-0406 Weld Neck Flanges (40 05 23 43-0311)		
40 05 23 43-0407 EA 1/2" Flanges, Stainless Steel Schedule 5 Type 304	74.50	23.84
<i>For Work In Restricted Working Space, Add</i>	<i>14.31</i>	
40 05 23 43-0408 EA 3/4" Flanges, Stainless Steel Schedule 5 Type 304	78.64	25.92
<i>For Work In Restricted Working Space, Add</i>	<i>15.55</i>	
40 05 23 43-0409 EA 1" Flanges, Stainless Steel Schedule 5 Type 304	96.28	34.73
<i>For Work In Restricted Working Space, Add</i>	<i>20.84</i>	
40 05 23 43-0410 EA 1-1/4" Flanges, Stainless Steel Schedule 5 Type 304	105.61	36.28
<i>For Work In Restricted Working Space, Add</i>	<i>21.76</i>	
40 05 23 43-0411 EA 1-1/2" Flanges, Stainless Steel Schedule 5 Type 304	122.24	41.46
<i>For Work In Restricted Working Space, Add</i>	<i>24.88</i>	
40 05 23 43-0412 EA 2" Flanges, Stainless Steel Schedule 5 Type 304	144.15	46.64
<i>For Work In Restricted Working Space, Add</i>	<i>27.96</i>	
40 05 23 43-0413 EA 2-1/2" Flanges, Stainless Steel Schedule 5 Type 304	193.34	59.60
<i>For Work In Restricted Working Space, Add</i>	<i>35.76</i>	
40 05 23 43-0414 EA 3" Flanges, Stainless Steel Schedule 5 Type 304	215.52	68.92
<i>For Work In Restricted Working Space, Add</i>	<i>41.33</i>	
40 05 23 43-0415 EA 4" Flanges, Stainless Steel Schedule 5 Type 304	294.68	93.29
<i>For Work In Restricted Working Space, Add</i>	<i>55.97</i>	
40 05 23 43-0416 EA 6" Flanges, Stainless Steel Schedule 5 Type 304	444.53	138.37
<i>For Work In Restricted Working Space, Add</i>	<i>82.97</i>	
40 05 23 43-0417 EA 8" Flange, Stainless Steel Schedule 5 Type 304	741.84	149.63
<i>For Work In Restricted Working Space, Add</i>	<i>96.19</i>	
40 05 23 43-0418 EA 10" Flange, Stainless Steel Schedule 5 Type 304	1,103.57	174.57
<i>For Work In Restricted Working Space, Add</i>	<i>112.22</i>	
40 05 23 43-0419 EA 12" Flange, Stainless Steel Schedule 5 Type 304	1,504.68	199.51
<i>For Work In Restricted Working Space, Add</i>	<i>128.25</i>	
40 05 23 43-0420 EA 14" Flange, Stainless Steel Schedule 5 Type 304	1,986.87	249.39
<i>For Work In Restricted Working Space, Add</i>	<i>160.32</i>	
40 05 23 43-0421 EA 16" Flange, Stainless Steel Schedule 5 Type 304	2,638.43	299.26
<i>For Work In Restricted Working Space, Add</i>	<i>192.38</i>	
40 05 23 43-0422 EA 18" Flange, Stainless Steel Schedule 5 Type 304	2,762.78	349.14
<i>For Work In Restricted Working Space, Add</i>	<i>224.45</i>	
40 05 23 43-0423 EA 20" Flange, Stainless Steel Schedule 5 Type 304	3,776.28	423.95
<i>For Work In Restricted Working Space, Add</i>	<i>272.60</i>	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 43-0424 EA 24" Flange, Stainless Steel Schedule 5 Type 304 <i>For Work In Restricted Working Space, Add</i>	8,241.34 352.53	548.65
40 05 23 43-0425 Slip-On Flanges <small>(40 05 23 43-0311)</small>		
40 05 23 43-0426 EA 1/2" Flange, Stainless Steel Schedule 5 Type 304 <i>For Work In Restricted Working Space, Add</i>	131.58 31.10	51.82
40 05 23 43-0427 EA 3/4" Flange, Stainless Steel Schedule 5 Type 304 <i>For Work In Restricted Working Space, Add</i>	135.34 31.10	51.82
40 05 23 43-0428 EA 1" Flange, Stainless Steel Schedule 5 Type 304 <i>For Work In Restricted Working Space, Add</i>	161.48 38.26	63.74
40 05 23 43-0429 EA 1-1/4" Flange, Stainless Steel Schedule 5 Type 304 <i>For Work In Restricted Working Space, Add</i>	177.16 41.35	68.92
40 05 23 43-0430 EA 1-1/2" Flange, Stainless Steel Schedule 5 Type 304 <i>For Work In Restricted Working Space, Add</i>	196.94 45.41	75.67
40 05 23 43-0431 EA 2" Flange, Stainless Steel Schedule 5 Type 304 <i>For Work In Restricted Working Space, Add</i>	226.44 49.70	82.92
40 05 23 43-0432 EA 2-1/2" Flange, Stainless Steel Schedule 5 Type 304 <i>For Work In Restricted Working Space, Add</i>	274.12 55.97	93.29
40 05 23 43-0433 EA 3" Flange, Stainless Steel Schedule 5 Type 304 <i>For Work In Restricted Working Space, Add</i>	300.97 62.14	103.65
40 05 23 43-0434 EA 4" Flange, Stainless Steel Schedule 5 Type 304 <i>For Work In Restricted Working Space, Add</i>	409.10 83.32	138.89
40 05 23 43-0435 EA 6" Flange, Stainless Steel Schedule 5 Type 304 <i>For Work In Restricted Working Space, Add</i>	617.68 124.19	207.30
40 05 23 43-0436 EA 8" Flange, Stainless Steel Schedule 5 Type 304 <i>For Work In Restricted Working Space, Add</i>	1,591.07 192.38	299.26
40 05 23 43-0437 Caps <small>(40 05 23 43-0311)</small>		
40 05 23 43-0438 EA 1/2" Cap, Stainless Steel Schedule 5 Type 304 <i>For Work In Restricted Working Space, Add</i>	65.50 14.31	23.84
40 05 23 43-0439 EA 3/4" Cap, Stainless Steel Schedule 5 Type 304 <i>For Work In Restricted Working Space, Add</i>	72.11 15.55	25.92
40 05 23 43-0440 EA 1" Cap, Stainless Steel Schedule 5 Type 304 <i>For Work In Restricted Working Space, Add</i>	91.54 20.53	34.21
40 05 23 43-0441 EA 1-1/4" Cap, Stainless Steel Schedule 5 Type 304 <i>For Work In Restricted Working Space, Add</i>	98.42 21.76	36.28
40 05 23 43-0442 EA 1-1/2" Cap, Stainless Steel Schedule 5 Type 304 <i>For Work In Restricted Working Space, Add</i>	110.65 24.88	41.46
40 05 23 43-0443 EA 2" Cap, Stainless Steel Schedule 5 Type 304 <i>For Work In Restricted Working Space, Add</i>	121.86 27.96	46.64
40 05 23 43-0444 EA 2-1/2" Cap, Stainless Steel Schedule 5 Type 304 <i>For Work In Restricted Working Space, Add</i>	152.47 35.76	59.60
40 05 23 43-0445 EA 3" Cap, Stainless Steel Schedule 5 Type 304 <i>For Work In Restricted Working Space, Add</i>	174.75 41.33	68.92
40 05 23 43-0446 EA 4" Cap, Stainless Steel Schedule 5 Type 304 <i>For Work In Restricted Working Space, Add</i>	249.14 55.33	92.25
40 05 23 43-0447 EA 6" Cap, Stainless Steel Schedule 5 Type 304 <i>For Work In Restricted Working Space, Add</i>	343.10 82.97	138.37
40 05 23 43-0448 Reducing Tees <small>(40 05 23 43-0311)</small>		
40 05 23 43-0449 EA 3/4" Reducing Tees, Stainless Steel Schedule 5 Type 304 <i>For Work In Restricted Working Space, Add</i>	174.87 37.64	75.15
40 05 23 43-0450 EA 1" Reducing Tees, Stainless Steel Schedule 5 Type 304 <i>For Work In Restricted Working Space, Add</i>	203.16 46.13	92.25
40 05 23 43-0451 EA 1-1/4" Reducing Tees, Stainless Steel Schedule 5 Type 304 <i>For Work In Restricted Working Space, Add</i>	238.89 51.83	103.65
40 05 23 43-0452 EA 1-1/2" Reducing Tees, Stainless Steel Schedule 5 Type 304 <i>For Work In Restricted Working Space, Add</i>	244.85 59.08	118.17
40 05 23 43-0453 EA 2" Reducing Tees, Stainless Steel Schedule 5 Type 304 <i>For Work In Restricted Working Space, Add</i>	265.78 63.49	126.98
40 05 23 43-0454 EA 2-1/2" Reducing Tees, Stainless Steel Schedule 5 Type 304 <i>For Work In Restricted Working Space, Add</i>	366.01 69.19	138.37
40 05 23 43-0455 EA 3" Reducing Tees, Stainless Steel Schedule 5 Type 304 <i>For Work In Restricted Working Space, Add</i>	370.16 82.93	165.85
40 05 23 43-0456 EA 4" Reducing Tees, Stainless Steel Schedule 5 Type 304 <i>For Work In Restricted Working Space, Add</i>	480.89 103.65	207.30
40 05 23 43-0457 EA 6" Reducing Tees, Stainless Steel Schedule 5 Type 304 <i>For Work In Restricted Working Space, Add</i>	800.94 118.43	236.84
40 05 23 43-0458 EA 8" Reducing Tee, Stainless Steel Schedule 5 Type 304L <i>For Work In Restricted Working Space, Add</i>	1,384.73 160.32	299.26
40 05 23 43-0459 EA 10" Reducing Tee, Stainless Steel Schedule 5 Type 304 <i>For Work In Restricted Working Space, Add</i>	2,191.38 213.76	399.01
40 05 23 43-0460 EA 12" Reducing Tee, Stainless Steel Schedule 5 Type 304 <i>For Work In Restricted Working Space, Add</i>	2,960.05 320.63	598.52
40 05 23 43-0461 EA 14" Reducing Tee, Stainless Steel Schedule 5 Type 304 <i>For Work In Restricted Working Space, Add</i>	3,752.25 385.20	719.22
40 05 23 43-0462 EA 16" Reducing Tee, Stainless Steel Schedule 5 Type 304 <i>For Work In Restricted Working Space, Add</i>	4,209.46 469.88	877.33
40 05 23 43-0463 EA 18" Reducing Tee, Stainless Steel Schedule 5 Type 304 <i>For Work In Restricted Working Space, Add</i>	5,150.66 598.52	1,117.23

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 23 Stainless Steel Process Pipe and Tubing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 43-0464	EA		20" Reducing Tee, Stainless Steel Schedule 5 Type 304.....	7,801.10	1,469.87
			<i>For Work In Restricted Working Space, Add</i>	787.53	
40 05 23 43-0465	EA		24" Reducing Tee, Stainless Steel Schedule 5 Type 304.....	11,962.01	2,233.47
			<i>For Work In Restricted Working Space, Add</i>	1,195.98	
40 05 23 43-0466			Type 304 Schedule 10 Pipe And Welded Butt Fittings <small>(40 05 23 43-0231)</small>		
40 05 23 43-0467			Pipe <small>(40 05 23 43-0466)</small>		
40 05 23 43-0468	LF		1/2" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting.....	15.43	4.66
			<i>For Work In Restricted Working Space, Add</i>	2.80	
40 05 23 43-0469	LF		3/4" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting.....	18.47	5.70
			<i>For Work In Restricted Working Space, Add</i>	3.42	
40 05 23 43-0470	LF		1" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting.....	23.89	6.74
			<i>For Work In Restricted Working Space, Add</i>	4.01	
40 05 23 43-0471	LF		1-1/4" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting.....	29.30	8.39
			<i>For Work In Restricted Working Space, Add</i>	5.02	
40 05 23 43-0472	LF		1-1/2" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting.....	32.68	9.43
			<i>For Work In Restricted Working Space, Add</i>	5.66	
40 05 23 43-0473	LF		2" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting.....	40.43	11.71
			<i>For Work In Restricted Working Space, Add</i>	7.01	
40 05 23 43-0474	LF		2-1/2" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting.....	47.93	13.37
			<i>For Work In Restricted Working Space, Add</i>	8.00	
40 05 23 43-0475	LF		3" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting.....	56.08	15.03
			<i>For Work In Restricted Working Space, Add</i>	9.01	
40 05 23 43-0476	LF		4" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting.....	69.72	17.83
			<i>For Work In Restricted Working Space, Add</i>	10.67	
40 05 23 43-0477	LF		6" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting.....	100.01	23.43
			<i>For Work In Restricted Working Space, Add</i>	14.01	
40 05 23 43-0478	LF		8" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting.....	163.27	38.10
			<i>For Work In Restricted Working Space, Add</i>	24.49	
40 05 23 43-0479	LF		10" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting.....	204.76	41.90
			<i>For Work In Restricted Working Space, Add</i>	26.93	
40 05 23 43-0480	LF		12" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting.....	243.05	46.58
			<i>For Work In Restricted Working Space, Add</i>	29.93	
40 05 23 43-0481	LF		14" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting.....	296.29	52.37
			<i>For Work In Restricted Working Space, Add</i>	33.67	
40 05 23 43-0482	LF		16" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting.....	327.46	59.85
			<i>For Work In Restricted Working Space, Add</i>	38.48	
40 05 23 43-0483	LF		18" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting.....	368.44	69.83
			<i>For Work In Restricted Working Space, Add</i>	44.89	
40 05 23 43-0484	LF		20" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting.....	504.18	83.79
			<i>For Work In Restricted Working Space, Add</i>	53.87	
40 05 23 43-0485	LF		24" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting.....	654.98	104.74
			<i>For Work In Restricted Working Space, Add</i>	67.33	
40 05 23 43-0486			90 Degree Elbows <small>(40 05 23 43-0466)</small>		
40 05 23 43-0487	EA		1/2" 90 Degree Elbow, Stainless Steel Schedule 10 Type 304.....	129.04	59.08
			<i>For Work In Restricted Working Space, Add</i>	35.45	
40 05 23 43-0488	EA		3/4" 90 Degree Elbow, Stainless Steel Schedule 10 Type 304.....	136.29	62.71
			<i>For Work In Restricted Working Space, Add</i>	37.62	
40 05 23 43-0489	EA		1" 90 Degree Elbow, Stainless Steel Schedule 10 Type 304.....	148.73	68.92
			<i>For Work In Restricted Working Space, Add</i>	41.36	
40 05 23 43-0490	EA		1-1/4" 90 Degree Elbow, Stainless Steel Schedule 10 Type 304.....	166.18	75.15
			<i>For Work In Restricted Working Space, Add</i>	45.11	
40 05 23 43-0491	EA		1-1/2" 90 Degree Elbow, Stainless Steel Schedule 10 Type 304.....	185.95	82.92
			<i>For Work In Restricted Working Space, Add</i>	49.71	
40 05 23 43-0492	EA		2" 90 Degree Elbow, Stainless Steel Schedule 10 Type 304.....	205.85	92.25
			<i>For Work In Restricted Working Space, Add</i>	55.38	
40 05 23 43-0493	EA		2-1/2" 90 Degree Elbow, Stainless Steel Schedule 10 Type 304.....	266.16	118.17
			<i>For Work In Restricted Working Space, Add</i>	70.82	
40 05 23 43-0494	EA		3" 90 Degree Elbow, Stainless Steel Schedule 10 Type 304.....	314.32	138.37
			<i>For Work In Restricted Working Space, Add</i>	82.91	
40 05 23 43-0495	EA		4" 90 Degree Elbow, Stainless Steel Schedule 10 Type 304.....	401.99	165.85
			<i>For Work In Restricted Working Space, Add</i>	99.35	
40 05 23 43-0496	EA		6" 90 Degree Elbow, Stainless Steel Schedule 10 Type 304.....	616.12	207.30
			<i>For Work In Restricted Working Space, Add</i>	124.12	
40 05 23 43-0497	EA		8" 90 Degree Elbow, Stainless Steel Schedule 10 Type 304.....	1,103.03	299.26
			<i>For Work In Restricted Working Space, Add</i>	192.38	
40 05 23 43-0498	EA		10" 90 Degree Elbow, Stainless Steel Schedule 10 Type 304.....	1,711.66	399.01
			<i>For Work In Restricted Working Space, Add</i>	256.51	
40 05 23 43-0499	EA		12" 90 Degree Elbow, Stainless Steel Schedule 10 Type 304.....	2,626.40	598.52
			<i>For Work In Restricted Working Space, Add</i>	384.76	
40 05 23 43-0500	EA		14" 90 Degree Elbow, Stainless Steel Schedule 10 Type 304.....	3,313.70	698.27
			<i>For Work In Restricted Working Space, Add</i>	448.89	
40 05 23 43-0501	EA		16" 90 Degree Elbow, Stainless Steel Schedule 10 Type 304.....	4,076.13	798.02
			<i>For Work In Restricted Working Space, Add</i>	512.04	
40 05 23 43-0502	EA		18" 90 Degree Elbow, Stainless Steel Schedule 10 Type 304.....	5,180.85	997.53
			<i>For Work In Restricted Working Space, Add</i>	641.27	
40 05 23 43-0503	EA		20" 90 Degree Elbow, Stainless Steel Schedule 10 Type 304.....	8,383.72	1,396.55
			<i>For Work In Restricted Working Space, Add</i>	897.78	
40 05 23 43-0504	EA		24" 90 Degree Elbow, Stainless Steel Schedule 10 Type 304.....	11,656.90	1,995.07
			<i>For Work In Restricted Working Space, Add</i>	1,282.54	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 43-0505 45 Degree Elbows <small>(40 05 23 43-0466)</small>		
40 05 23 43-0506 EA 1/2" 45 Degree Elbow, Stainless Steel Schedule 10 Type 304.....	133.50	59.08
<i>For Work In Restricted Working Space, Add</i>	35.45	
40 05 23 43-0507 EA 3/4" 45 Degree Elbow, Stainless Steel Schedule 10 Type 304.....	140.75	62.71
<i>For Work In Restricted Working Space, Add</i>	37.62	
40 05 23 43-0508 EA 1" 45 Degree Elbow, Stainless Steel Schedule 10 Type 304.....	153.19	68.92
<i>For Work In Restricted Working Space, Add</i>	41.36	
40 05 23 43-0509 EA 1-1/4" 45 Degree Elbow, Stainless Steel Schedule 10 Type 304	167.40	75.15
<i>For Work In Restricted Working Space, Add</i>	45.07	
40 05 23 43-0510 EA 1-1/2" 45 Degree Elbow, Stainless Steel Schedule 10 Type 304	183.45	82.92
<i>For Work In Restricted Working Space, Add</i>	49.77	
40 05 23 43-0511 EA 2" 45 Degree Elbow, Stainless Steel Schedule 10 Type 304.....	213.78	92.25
<i>For Work In Restricted Working Space, Add</i>	55.38	
40 05 23 43-0512 EA 2-1/2" 45 Degree Elbow, Stainless Steel Schedule 10 Type 304	265.65	118.17
<i>For Work In Restricted Working Space, Add</i>	70.87	
40 05 23 43-0513 EA 3" 45 Degree Elbow, Stainless Steel Schedule 10 Type 304.....	307.38	138.37
<i>For Work In Restricted Working Space, Add</i>	83.02	
40 05 23 43-0514 EA 4" 45 Degree Elbow, Stainless Steel Schedule 10 Type 304.....	385.39	165.85
<i>For Work In Restricted Working Space, Add</i>	99.44	
40 05 23 43-0515 EA 6" 45 Degree Elbow, Stainless Steel Schedule 10 Type 304.....	529.85	207.30
<i>For Work In Restricted Working Space, Add</i>	124.38	
40 05 23 43-0516 EA 8" 45 Degree Elbow, Stainless Steel Schedule 10 Type 304.....	993.95	299.26
<i>For Work In Restricted Working Space, Add</i>	192.38	
40 05 23 43-0517 EA 10" 45 Degree Elbow, Stainless Steel Schedule 10 Type 304.....	1,436.01	399.01
<i>For Work In Restricted Working Space, Add</i>	256.51	
40 05 23 43-0518 EA 12" 45 Degree Elbow, Stainless Steel Schedule 10 Type 304.....	2,209.25	598.52
<i>For Work In Restricted Working Space, Add</i>	384.76	
40 05 23 43-0519 EA 14" 45 Degree Elbow, Stainless Steel Schedule 10 Type 304.....	2,724.89	698.27
<i>For Work In Restricted Working Space, Add</i>	448.89	
40 05 23 43-0520 EA 16" 45 Degree Elbow, Stainless Steel Schedule 10 Type 304.....	3,321.51	798.02
<i>For Work In Restricted Working Space, Add</i>	512.04	
40 05 23 43-0521 EA 18" 45 Degree Elbow, Stainless Steel Schedule 10 Type 304.....	4,494.22	997.53
<i>For Work In Restricted Working Space, Add</i>	641.27	
40 05 23 43-0522 EA 20" 45 Degree Elbow, Stainless Steel Schedule 10 Type 304.....	7,506.76	1,396.55
<i>For Work In Restricted Working Space, Add</i>	897.78	
40 05 23 43-0523 EA 24" 45 Degree Elbow, Stainless Steel Schedule 10 Type 304.....	10,213.26	1,995.07
<i>For Work In Restricted Working Space, Add</i>	1,282.54	
40 05 23 43-0524 Tees <small>(40 05 23 43-0466)</small>		
40 05 23 43-0525 EA 1/2" Tees, Stainless Steel Schedule 10 Type 304	186.67	75.15
<i>For Work In Restricted Working Space, Add</i>	45.05	
40 05 23 43-0526 EA 3/4" Tees, Stainless Steel Schedule 10 Type 304	220.85	92.25
<i>For Work In Restricted Working Space, Add</i>	55.31	
40 05 23 43-0527 EA 1" Tees, Stainless Steel Schedule 10 Type 304	243.63	103.65
<i>For Work In Restricted Working Space, Add</i>	62.14	
40 05 23 43-0528 EA 1-1/4" Tees, Stainless Steel Schedule 10 Type 304	276.46	118.17
<i>For Work In Restricted Working Space, Add</i>	70.90	
40 05 23 43-0529 EA 1-1/2" Tees, Stainless Steel Schedule 10 Type 304	295.00	126.98
<i>For Work In Restricted Working Space, Add</i>	76.10	
40 05 23 43-0530 EA 2" Tees, Stainless Steel Schedule 10 Type 304	341.04	138.37
<i>For Work In Restricted Working Space, Add</i>	82.97	
40 05 23 43-0531 EA 2-1/2" Tees, Stainless Steel Schedule 10 Type 304	410.51	165.85
<i>For Work In Restricted Working Space, Add</i>	99.44	
40 05 23 43-0532 EA 3" Tees, Stainless Steel Schedule 10 Type 304	527.03	207.30
<i>For Work In Restricted Working Space, Add</i>	124.54	
40 05 23 43-0533 EA 4" Tees, Stainless Steel Schedule 10 Type 304	587.60	233.22
<i>For Work In Restricted Working Space, Add</i>	139.79	
40 05 23 43-0534 EA 6" Tees, Stainless Steel Schedule 10 Type 304	959.97	310.96
<i>For Work In Restricted Working Space, Add</i>	186.56	
40 05 23 43-0535 EA 8" Tee, Stainless Steel Schedule 10 Type 304.....	1,501.65	399.01
<i>For Work In Restricted Working Space, Add</i>	256.51	
40 05 23 43-0536 EA 10" Tee, Stainless Steel Schedule 10 Type 304.....	2,211.31	598.52
<i>For Work In Restricted Working Space, Add</i>	384.76	
40 05 23 43-0537 EA 12" Tee, Stainless Steel Schedule 10 Type 304.....	3,615.49	748.15
<i>For Work In Restricted Working Space, Add</i>	480.95	
40 05 23 43-0538 EA 14" Tee, Stainless Steel Schedule 10 Type 304.....	4,563.22	897.78
<i>For Work In Restricted Working Space, Add</i>	577.97	
40 05 23 43-0539 EA 16" Tee, Stainless Steel Schedule 10 Type 304.....	5,162.30	1,097.28
<i>For Work In Restricted Working Space, Add</i>	705.06	
40 05 23 43-0540 EA 18" Tee, Stainless Steel Schedule 10 Type 304.....	6,346.46	1,396.55
<i>For Work In Restricted Working Space, Add</i>	897.78	
40 05 23 43-0541 EA 20" Tee, Stainless Steel Schedule 10 Type 304.....	9,447.47	1,845.43
<i>For Work In Restricted Working Space, Add</i>	1,181.29	
40 05 23 43-0542 EA 24" Tee, Stainless Steel Schedule 10 Type 304.....	14,469.54	2,793.09
<i>For Work In Restricted Working Space, Add</i>	1,795.56	
40 05 23 43-0543 Reducers <small>(40 05 23 43-0466)</small>		
40 05 23 43-0544 EA 3/4" Reducer, Stainless Steel Schedule 10 Type 304.....	141.83	57.01
<i>For Work In Restricted Working Space, Add</i>	34.23	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 23 Stainless Steel Process Pipe and Tubing**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 43-0545 EA 1" Reducer, Stainless Steel Schedule 10 Type 304..... <i>For Work In Restricted Working Space, Add</i>	156.37 37.31	62.19
40 05 23 43-0546 EA 1-1/4" Reducer, Stainless Steel Schedule 10 Type 304..... <i>For Work In Restricted Working Space, Add</i>	187.83 41.35	68.92
40 05 23 43-0547 EA 1-1/2" Reducer, Stainless Steel Schedule 10 Type 304..... <i>For Work In Restricted Working Space, Add</i>	171.59 45.05	75.15
40 05 23 43-0548 EA 2" Reducer, Stainless Steel Schedule 10 Type 304..... <i>For Work In Restricted Working Space, Add</i>	189.05 49.76	82.92
40 05 23 43-0549 EA 2-1/2" Reducer, Stainless Steel Schedule 10 Type 304..... <i>For Work In Restricted Working Space, Add</i>	242.42 62.18	103.65
40 05 23 43-0550 EA 3" Reducer, Stainless Steel Schedule 10 Type 304..... <i>For Work In Restricted Working Space, Add</i>	270.82 70.81	118.17
40 05 23 43-0551 EA 4" Reducer, Stainless Steel Schedule 10 Type 304..... <i>For Work In Restricted Working Space, Add</i>	315.79 82.97	138.37
40 05 23 43-0552 EA 6" Reducer, Stainless Steel Schedule 10 Type 304..... <i>For Work In Restricted Working Space, Add</i>	405.63 105.64	176.21
40 05 23 43-0553 EA 8" Reducer, Stainless Steel Schedule 10 Type 304..... <i>For Work In Restricted Working Space, Add</i>	758.32 153.91	239.41
40 05 23 43-0554 EA 10" Reducer, Stainless Steel Schedule 10 Type 304..... <i>For Work In Restricted Working Space, Add</i>	982.43 192.38	299.26
40 05 23 43-0555 EA 12" Reducer, Stainless Steel Schedule 10 Type 304..... <i>For Work In Restricted Working Space, Add</i>	1,306.72 256.51	399.01
40 05 23 43-0556 EA 14" Reducer, Stainless Steel Schedule 10 Type 304..... <i>For Work In Restricted Working Space, Add</i>	1,731.43 336.67	523.70
40 05 23 43-0557 EA 16" Reducer, Stainless Steel Schedule 10 Type 304..... <i>For Work In Restricted Working Space, Add</i>	2,039.31 383.99	598.52
40 05 23 43-0558 EA 18" Reducer, Stainless Steel Schedule 10 Type 304..... <i>For Work In Restricted Working Space, Add</i>	2,538.50 480.95	748.15
40 05 23 43-0559 EA 20" Reducer, Stainless Steel Schedule 10 Type 304..... <i>For Work In Restricted Working Space, Add</i>	3,757.00 641.27	997.53
40 05 23 43-0560 EA 24" Reducer, Stainless Steel Schedule 10 Type 304..... <i>For Work In Restricted Working Space, Add</i>	5,845.81 961.91	1,496.30
40 05 23 43-0561 Flanges (40 05 23 43-0466)		
40 05 23 43-0562 EA 1/2" Flanges, Stainless Steel Schedule 10 Type 304..... <i>For Work In Restricted Working Space, Add</i>	75.91 14.31	23.84
40 05 23 43-0563 EA 3/4" Flanges, Stainless Steel Schedule 10 Type 304..... <i>For Work In Restricted Working Space, Add</i>	80.05 15.55	25.92
40 05 23 43-0564 EA 1" Flanges, Stainless Steel Schedule 10 Type 304..... <i>For Work In Restricted Working Space, Add</i>	97.68 20.84	34.73
40 05 23 43-0565 EA 1-1/4" Flanges, Stainless Steel Schedule 10 Type 304..... <i>For Work In Restricted Working Space, Add</i>	107.35 21.76	36.28
40 05 23 43-0566 EA 1-1/2" Flanges, Stainless Steel Schedule 10 Type 304..... <i>For Work In Restricted Working Space, Add</i>	124.31 24.88	41.46
40 05 23 43-0567 EA 2" Flanges, Stainless Steel Schedule 10 Type 304..... <i>For Work In Restricted Working Space, Add</i>	146.85 27.97	46.64
40 05 23 43-0568 EA 2-1/2" Flanges, Stainless Steel Schedule 10 Type 304..... <i>For Work In Restricted Working Space, Add</i>	197.26 35.76	59.60
40 05 23 43-0569 EA 3" Flanges, Stainless Steel Schedule 10 Type 304..... <i>For Work In Restricted Working Space, Add</i>	219.60 41.33	68.92
40 05 23 43-0570 EA 4" Flanges, Stainless Steel Schedule 10 Type 304..... <i>For Work In Restricted Working Space, Add</i>	300.40 55.97	93.29
40 05 23 43-0571 EA 6" Flanges, Stainless Steel Schedule 10 Type 304..... <i>For Work In Restricted Working Space, Add</i>	453.33 82.95	138.37
40 05 23 43-0572 EA 8" Flange, Stainless Steel Schedule 10 Type 304..... <i>For Work In Restricted Working Space, Add</i>	764.00 96.19	149.63
40 05 23 43-0573 EA 10" Flange, Stainless Steel Schedule 10 Type 304..... <i>For Work In Restricted Working Space, Add</i>	1,141.96 112.22	174.57
40 05 23 43-0574 EA 12" Flange, Stainless Steel Schedule 10 Type 304..... <i>For Work In Restricted Working Space, Add</i>	1,561.38 128.25	199.51
40 05 23 43-0575 EA 14" Flange, Stainless Steel Schedule 10 Type 304..... <i>For Work In Restricted Working Space, Add</i>	2,063.32 160.32	249.39
40 05 23 43-0576 EA 16" Flange, Stainless Steel Schedule 10 Type 304..... <i>For Work In Restricted Working Space, Add</i>	2,743.55 192.38	299.26
40 05 23 43-0577 EA 18" Flange, Stainless Steel Schedule 10 Type 304..... <i>For Work In Restricted Working Space, Add</i>	2,868.82 224.45	349.14
40 05 23 43-0578 EA 20" Flange, Stainless Steel Schedule 10 Type 304..... <i>For Work In Restricted Working Space, Add</i>	3,927.20 272.60	423.95
40 05 23 43-0579 EA 24" Flange, Stainless Steel Schedule 10 Type 304..... <i>For Work In Restricted Working Space, Add</i>	8,613.24 352.53	548.65
40 05 23 43-0580 Slip-On Flanges (40 05 23 43-0466)		
40 05 23 43-0581 EA 1/2" Flange, Stainless Steel Schedule 10 Type 304..... <i>For Work In Restricted Working Space, Add</i>	133.05 31.10	51.82
40 05 23 43-0582 EA 3/4" Flange, Stainless Steel Schedule 10 Type 304..... <i>For Work In Restricted Working Space, Add</i>	137.01 31.10	51.82
40 05 23 43-0583 EA 1" Flange, Stainless Steel Schedule 10 Type 304..... <i>For Work In Restricted Working Space, Add</i>	163.26 38.26	63.74
40 05 23 43-0584 EA 1-1/4" Flange, Stainless Steel Schedule 10 Type 304..... <i>For Work In Restricted Working Space, Add</i>	179.22 41.35	68.92
40 05 23 43-0585 EA 1-1/2" Flange, Stainless Steel Schedule 10 Type 304..... <i>For Work In Restricted Working Space, Add</i>	199.32 45.40	75.67



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 43-0586 EA 2" Flange, Stainless Steel Schedule 10 Type 304 <i>For Work In Restricted Working Space, Add</i>	229.69 49.72	82.92
40 05 23 43-0587 EA 2-1/2" Flange, Stainless Steel Schedule 10 Type 304 <i>For Work In Restricted Working Space, Add</i>	278.76 55.97	93.29
40 05 23 43-0588 EA 3" Flange, Stainless Steel Schedule 10 Type 304 <i>For Work In Restricted Working Space, Add</i>	305.93 62.15	103.65
40 05 23 43-0589 EA 4" Flange, Stainless Steel Schedule 10 Type 304 <i>For Work In Restricted Working Space, Add</i>	416.07 83.34	138.89
40 05 23 43-0590 EA 6" Flange, Stainless Steel Schedule 10 Type 304 <i>For Work In Restricted Working Space, Add</i>	628.66 124.26	207.30
40 05 23 43-0591 EA 8" Flange, Stainless Steel Schedule 10 Type 304 <i>For Work In Restricted Working Space, Add</i>	1,641.06 192.38	299.26
40 05 23 43-0592 Caps (40 05 23 43-0466)		
40 05 23 43-0593 EA 1/2" Cap, Stainless Steel Schedule 10 Type 304 <i>For Work In Restricted Working Space, Add</i>	66.44 14.31	23.84
40 05 23 43-0594 EA 3/4" Cap, Stainless Steel Schedule 10 Type 304 <i>For Work In Restricted Working Space, Add</i>	73.18 15.55	25.92
40 05 23 43-0595 EA 1" Cap, Stainless Steel Schedule 10 Type 304 <i>For Work In Restricted Working Space, Add</i>	92.75 20.53	34.21
40 05 23 43-0596 EA 1-1/4" Cap, Stainless Steel Schedule 10 Type 304 <i>For Work In Restricted Working Space, Add</i>	99.78 21.76	36.28
40 05 23 43-0597 EA 1-1/2" Cap, Stainless Steel Schedule 10 Type 304 <i>For Work In Restricted Working Space, Add</i>	112.12 24.88	41.46
40 05 23 43-0598 EA 2" Cap, Stainless Steel Schedule 10 Type 304 <i>For Work In Restricted Working Space, Add</i>	123.39 27.97	46.64
40 05 23 43-0599 EA 2-1/2" Cap, Stainless Steel Schedule 10 Type 304 <i>For Work In Restricted Working Space, Add</i>	154.23 35.76	59.60
40 05 23 43-0600 EA 3" Cap, Stainless Steel Schedule 10 Type 304 <i>For Work In Restricted Working Space, Add</i>	176.68 41.33	68.92
40 05 23 43-0601 EA 4" Cap, Stainless Steel Schedule 10 Type 304 <i>For Work In Restricted Working Space, Add</i>	252.61 55.35	92.25
40 05 23 43-0602 EA 6" Cap, Stainless Steel Schedule 10 Type 304 <i>For Work In Restricted Working Space, Add</i>	346.56 82.95	138.37
40 05 23 43-0603 Reducing Tees (40 05 23 43-0466)		
40 05 23 43-0604 EA 3/4" Reducing Tees, Stainless Steel Schedule 10 Type 304 <i>For Work In Restricted Working Space, Add</i>	178.78 37.64	75.15
40 05 23 43-0605 EA 1" Reducing Tees, Stainless Steel Schedule 10 Type 304 <i>For Work In Restricted Working Space, Add</i>	220.49 46.13	92.25
40 05 23 43-0606 EA 1-1/4" Reducing Tees, Stainless Steel Schedule 10 Type 304 <i>For Work In Restricted Working Space, Add</i>	246.24 51.83	103.65
40 05 23 43-0607 EA 1-1/2" Reducing Tees, Stainless Steel Schedule 10 Type 304 <i>For Work In Restricted Working Space, Add</i>	277.17 59.08	118.17
40 05 23 43-0608 EA 2" Reducing Tees, Stainless Steel Schedule 10 Type 304 <i>For Work In Restricted Working Space, Add</i>	305.80 63.49	126.98
40 05 23 43-0609 EA 2-1/2" Reducing Tees, Stainless Steel Schedule 10 Type 304 <i>For Work In Restricted Working Space, Add</i>	419.58 69.19	138.37
40 05 23 43-0610 EA 3" Reducing Tees, Stainless Steel Schedule 10 Type 304 <i>For Work In Restricted Working Space, Add</i>	439.93 82.93	165.85
40 05 23 43-0611 EA 4" Reducing Tees, Stainless Steel Schedule 10 Type 304 <i>For Work In Restricted Working Space, Add</i>	545.71 103.65	207.30
40 05 23 43-0612 EA 6" Reducing Tees, Stainless Steel Schedule 10 Type 304 <i>For Work In Restricted Working Space, Add</i>	888.82 118.43	236.84
40 05 23 43-0613 EA 8" Reducing Tee, Stainless Steel Schedule 10 Type 304 <i>For Work In Restricted Working Space, Add</i>	1,479.21 160.32	299.26
40 05 23 43-0614 EA 10" Reducing Tee, Stainless Steel Schedule 10 Type 304 <i>For Work In Restricted Working Space, Add</i>	3,037.04 213.76	399.01
40 05 23 43-0615 EA 12" Reducing Tee, Stainless Steel Schedule 10 Type 304 <i>For Work In Restricted Working Space, Add</i>	4,009.12 320.63	598.52
40 05 23 43-0616 EA 14" Reducing Tee, Stainless Steel Schedule 10 Type 304 <i>For Work In Restricted Working Space, Add</i>	5,136.61 385.20	719.22
40 05 23 43-0617 EA 16" Reducing Tee, Stainless Steel Schedule 10 Type 304 <i>For Work In Restricted Working Space, Add</i>	5,675.20 469.88	877.33
40 05 23 43-0618 EA 18" Reducing Tee, Stainless Steel Schedule 10 Type 304 <i>For Work In Restricted Working Space, Add</i>	6,895.64 598.52	1,117.23
40 05 23 43-0619 EA 20" Reducing Tee, Stainless Steel Schedule 10 Type 304 <i>For Work In Restricted Working Space, Add</i>	9,154.15 787.53	1,470.07
40 05 23 43-0620 EA 24" Reducing Tee, Stainless Steel Schedule 10 Type 304 <i>For Work In Restricted Working Space, Add</i>	13,720.63 1,195.98	2,233.28
40 05 23 43-0621 Type 304 Schedule 40 Pipe And Welded Butt Fittings (40 05 23 43-0231)		
40 05 23 43-0622 Pipe (40 05 23 43-0621)		
40 05 23 43-0623 LF 1/2" Pipe, Stainless Steel Schedule 40 Type 304 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	16.93 2.80	4.66
40 05 23 43-0624 LF 3/4" Pipe, Stainless Steel Schedule 40 Type 304 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	20.60 3.42	5.70
40 05 23 43-0625 LF 1" Pipe, Stainless Steel Schedule 40 Type 304 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	25.03 4.01	6.74

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 23 Stainless Steel Process Pipe and Tubing**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 43-0626 LF 1-1/4" Pipe, Stainless Steel Schedule 40 Type 304 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	31.30 5.02	8.29
40 05 23 43-0627 LF 1-1/2" Pipe, Stainless Steel Schedule 40 Type 304 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	35.93 5.66	9.33
40 05 23 43-0628 LF 2" Pipe, Stainless Steel Schedule 40 Type 304 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	45.78 7.01	11.92
40 05 23 43-0629 LF 2-1/2" Pipe, Stainless Steel Schedule 40 Type 304 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	56.09 8.00	13.47
40 05 23 43-0630 LF 3" Pipe, Stainless Steel Schedule 40 Type 304 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	55.93 9.01	15.03
40 05 23 43-0631 LF 4" Pipe, Stainless Steel Schedule 40 Type 304 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	87.92 10.67	17.62
40 05 23 43-0632 LF 6" Pipe, Stainless Steel Schedule 40 Type 304 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	134.17 14.01	23.33
40 05 23 43-0633 LF 8" Pipe, Stainless Steel Schedule 40 Type 304 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	231.59 24.49	37.90
40 05 23 43-0634 LF 10" Pipe, Stainless Steel Schedule 40 Type 304 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	289.74 26.93	41.90
40 05 23 43-0635 LF 12" Pipe, Stainless Steel Schedule 40 Type 304 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	358.03 29.93	46.38
40 05 23 43-0636 90 Degree Elbows <small>(40 05 23 43-0621)</small>		
40 05 23 43-0637 EA 1/2" 90 Degree Elbow, Stainless Steel Schedule 40 Type 304 <i>For Work In Restricted Working Space, Add</i>	133.92 35.45	59.08
40 05 23 43-0638 EA 3/4" 90 Degree Elbow, Stainless Steel Schedule 40 Type 304 <i>For Work In Restricted Working Space, Add</i>	141.17 37.62	62.71
40 05 23 43-0639 EA 1" 90 Degree Elbow, Stainless Steel Schedule 40 Type 304 <i>For Work In Restricted Working Space, Add</i>	155.73 41.36	68.92
40 05 23 43-0640 EA 1-1/4" 90 Degree Elbow, Stainless Steel Schedule 40 Type 304 <i>For Work In Restricted Working Space, Add</i>	177.08 45.11	75.15
40 05 23 43-0641 EA 1-1/2" 90 Degree Elbow, Stainless Steel Schedule 40 Type 304 <i>For Work In Restricted Working Space, Add</i>	188.02 49.71	82.92
40 05 23 43-0642 EA 2" 90 Degree Elbow, Stainless Steel Schedule 40 Type 304 <i>For Work In Restricted Working Space, Add</i>	214.34 55.38	92.25
40 05 23 43-0643 EA 2-1/2" 90 Degree Elbow, Stainless Steel Schedule 40 Type 304 <i>For Work In Restricted Working Space, Add</i>	298.03 70.82	118.17
40 05 23 43-0644 EA 3" 90 Degree Elbow, Stainless Steel Schedule 40 Type 304 <i>For Work In Restricted Working Space, Add</i>	360.47 82.91	138.37
40 05 23 43-0645 EA 4" 90 Degree Elbow, Stainless Steel Schedule 40 Type 304 <i>For Work In Restricted Working Space, Add</i>	479.87 99.35	165.85
40 05 23 43-0646 EA 6" 90 Degree Elbow, Stainless Steel Schedule 40 Type 304 <i>For Work In Restricted Working Space, Add</i>	909.47 124.12	207.30
40 05 23 43-0647 EA 8" 90 Degree Elbow, Stainless Steel Schedule 40 Type 304 <i>For Work In Restricted Working Space, Add</i>	1,473.39 192.38	299.26
40 05 23 43-0648 EA 10" 90 Degree Elbow, Stainless Steel Schedule 40 Type 304 <i>For Work In Restricted Working Space, Add</i>	2,616.64 256.51	399.01
40 05 23 43-0649 EA 12" 90 Degree Elbow, Stainless Steel Schedule 40 Type 304 <i>For Work In Restricted Working Space, Add</i>	3,716.93 384.76	598.52
40 05 23 43-0650 45 Degree <small>(40 05 23 43-0621)</small>		
40 05 23 43-0651 EA 1/2" 45 Degree Elbow, Stainless Steel Schedule 40 Type 304 <i>For Work In Restricted Working Space, Add</i>	140.47 35.45	59.08
40 05 23 43-0652 EA 3/4" 45 Degree Elbow, Stainless Steel Schedule 40 Type 304 <i>For Work In Restricted Working Space, Add</i>	147.72 37.62	62.71
40 05 23 43-0653 EA 1" 45 Degree Elbow, Stainless Steel Schedule 40 Type 304 <i>For Work In Restricted Working Space, Add</i>	160.16 41.36	68.92
40 05 23 43-0654 EA 1-1/4" 45 Degree Elbow, Stainless Steel Schedule 40 Type 304 <i>For Work In Restricted Working Space, Add</i>	172.55 45.07	75.15
40 05 23 43-0655 EA 1-1/2" 45 Degree Elbow, Stainless Steel Schedule 40 Type 304 <i>For Work In Restricted Working Space, Add</i>	195.65 49.77	82.92
40 05 23 43-0656 EA 2" 45 Degree Elbow, Stainless Steel Schedule 40 Type 304 <i>For Work In Restricted Working Space, Add</i>	215.85 55.38	92.25
40 05 23 43-0657 EA 2-1/2" 45 Degree Elbow, Stainless Steel Schedule 40 Type 304 <i>For Work In Restricted Working Space, Add</i>	295.54 70.87	118.17
40 05 23 43-0658 EA 3" 45 Degree Elbow, Stainless Steel Schedule 40 Type 304 <i>For Work In Restricted Working Space, Add</i>	336.04 83.02	138.37
40 05 23 43-0659 EA 4" 45 Degree Elbow, Stainless Steel Schedule 40 Type 304 <i>For Work In Restricted Working Space, Add</i>	435.91 99.44	165.85
40 05 23 43-0660 EA 6" 45 Degree Elbow, Stainless Steel Schedule 40 Type 304 <i>For Work In Restricted Working Space, Add</i>	712.05 124.38	207.30
40 05 23 43-0661 EA 8" 45 Degree Elbow, Stainless Steel Schedule 40 Type 304 <i>For Work In Restricted Working Space, Add</i>	1,190.11 192.38	299.26
40 05 23 43-0662 EA 10" 45 Degree Elbow, Stainless Steel Schedule 40 Type 304 <i>For Work In Restricted Working Space, Add</i>	1,908.46 256.51	399.01
40 05 23 43-0663 EA 12" 45 Degree Elbow, Stainless Steel Schedule 40 Type 304 <i>For Work In Restricted Working Space, Add</i>	2,645.80 384.76	598.52
40 05 23 43-0664 Tees <small>(40 05 23 43-0621)</small>		
40 05 23 43-0665 EA 1/2" Tees, Stainless Steel Schedule 40 Type 304 <i>For Work In Restricted Working Space, Add</i>	202.41 45.05	75.15



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 43-0666 EA 3/4" Tees, Stainless Steel Schedule 40 Type 304..... <i>For Work In Restricted Working Space, Add</i>	236.59 55.31	92.25
40 05 23 43-0667 EA 1" Tees, Stainless Steel Schedule 40 Type 304..... <i>For Work In Restricted Working Space, Add</i>	259.37 62.14	103.65
40 05 23 43-0668 EA 1-1/4" Tees, Stainless Steel Schedule 40 Type 304..... <i>For Work In Restricted Working Space, Add</i>	320.42 70.90	118.17
40 05 23 43-0669 EA 1-1/2" Tees, Stainless Steel Schedule 40 Type 304..... <i>For Work In Restricted Working Space, Add</i>	305.88 76.10	126.98
40 05 23 43-0670 EA 2" Tees, Stainless Steel Schedule 40 Type 304..... <i>For Work In Restricted Working Space, Add</i>	331.46 82.97	138.37
40 05 23 43-0671 EA 2-1/2" Tees, Stainless Steel Schedule 40 Type 304..... <i>For Work In Restricted Working Space, Add</i>	480.17 99.44	165.85
40 05 23 43-0672 EA 3" Tees, Stainless Steel Schedule 40 Type 304..... <i>For Work In Restricted Working Space, Add</i>	533.75 124.54	207.30
40 05 23 43-0673 EA 4" Tees, Stainless Steel Schedule 40 Type 304..... <i>For Work In Restricted Working Space, Add</i>	627.08 139.79	233.22
40 05 23 43-0674 EA 6" Tees, Stainless Steel Schedule 40 Type 304..... <i>For Work In Restricted Working Space, Add</i>	1,105.19 186.56	310.96
40 05 23 43-0675 EA 8" Tee, Stainless Steel Schedule 40 Type 304..... <i>For Work In Restricted Working Space, Add</i>	2,156.32 256.51	399.01
40 05 23 43-0676 EA 10" Tee, Stainless Steel Schedule 40 Type 304..... <i>For Work In Restricted Working Space, Add</i>	3,761.19 384.76	598.52
40 05 23 43-0677 EA 12" Tee, Stainless Steel Schedule 40 Type 304..... <i>For Work In Restricted Working Space, Add</i>	4,701.48 480.95	748.15
40 05 23 43-0678 Reducers <small>(40 05 23 43-0621)</small>		
40 05 23 43-0679 EA 3/4" Reducer, Stainless Steel Schedule 40 Type 304..... <i>For Work In Restricted Working Space, Add</i>	145.16 34.23	57.01
40 05 23 43-0680 EA 1" Reducer, Stainless Steel Schedule 40 Type 304..... <i>For Work In Restricted Working Space, Add</i>	160.21 37.30	62.19
40 05 23 43-0681 EA 1-1/4" Reducer, Stainless Steel Schedule 40 Type 304..... <i>For Work In Restricted Working Space, Add</i>	193.83 41.35	68.92
40 05 23 43-0682 EA 1-1/2" Reducer, Stainless Steel Schedule 40 Type 304..... <i>For Work In Restricted Working Space, Add</i>	174.20 45.07	75.15
40 05 23 43-0683 EA 2" Reducer, Stainless Steel Schedule 40 Type 304..... <i>For Work In Restricted Working Space, Add</i>	191.87 49.77	82.92
40 05 23 43-0684 EA 2-1/2" Reducer, Stainless Steel Schedule 40 Type 304..... <i>For Work In Restricted Working Space, Add</i>	246.67 62.19	103.65
40 05 23 43-0685 EA 3" Reducer, Stainless Steel Schedule 40 Type 304..... <i>For Work In Restricted Working Space, Add</i>	274.96 70.80	118.17
40 05 23 43-0686 EA 4" Reducer, Stainless Steel Schedule 40 Type 304..... <i>For Work In Restricted Working Space, Add</i>	320.50 82.97	138.37
40 05 23 43-0687 EA 6" Reducer, Stainless Steel Schedule 40 Type 304..... <i>For Work In Restricted Working Space, Add</i>	412.01 105.62	176.21
40 05 23 43-0688 EA 8" Reducer, Stainless Steel Schedule 40 Type 304..... <i>For Work In Restricted Working Space, Add</i>	787.75 153.91	239.41
40 05 23 43-0689 EA 10" Reducer, Stainless Steel Schedule 40 Type 304..... <i>For Work In Restricted Working Space, Add</i>	1,023.37 192.38	299.26
40 05 23 43-0690 EA 12" Reducer, Stainless Steel Schedule 40 Type 304..... <i>For Work In Restricted Working Space, Add</i>	1,360.93 256.51	399.01
40 05 23 43-0691 Flanges <small>(40 05 23 43-0621)</small>		
40 05 23 43-0692 EA 1/2" Flanges, Stainless Steel Schedule 40 Type 304..... <i>For Work In Restricted Working Space, Add</i>	79.29 14.31	23.84
40 05 23 43-0693 EA 3/4" Flanges, Stainless Steel Schedule 40 Type 304..... <i>For Work In Restricted Working Space, Add</i>	83.43 15.55	25.92
40 05 23 43-0694 EA 1" Flanges, Stainless Steel Schedule 40 Type 304..... <i>For Work In Restricted Working Space, Add</i>	101.06 20.84	34.73
40 05 23 43-0695 EA 1-1/4" Flanges, Stainless Steel Schedule 40 Type 304..... <i>For Work In Restricted Working Space, Add</i>	111.53 21.76	36.28
40 05 23 43-0696 EA 1-1/2" Flanges, Stainless Steel Schedule 40 Type 304..... <i>For Work In Restricted Working Space, Add</i>	129.27 24.88	41.46
40 05 23 43-0697 EA 2" Flanges, Stainless Steel Schedule 40 Type 304..... <i>For Work In Restricted Working Space, Add</i>	153.29 27.97	46.64
40 05 23 43-0698 EA 2-1/2" Flanges, Stainless Steel Schedule 40 Type 304..... <i>For Work In Restricted Working Space, Add</i>	206.62 35.76	59.60
40 05 23 43-0699 EA 3" Flanges, Stainless Steel Schedule 40 Type 304..... <i>For Work In Restricted Working Space, Add</i>	229.42 41.33	68.92
40 05 23 43-0700 EA 4" Flanges, Stainless Steel Schedule 40 Type 304..... <i>For Work In Restricted Working Space, Add</i>	314.06 55.97	93.29
40 05 23 43-0701 EA 6" Flanges, Stainless Steel Schedule 40 Type 304..... <i>For Work In Restricted Working Space, Add</i>	474.54 82.95	138.37
40 05 23 43-0702 EA 8" Flange, Stainless Steel Schedule 40 Type 304..... <i>For Work In Restricted Working Space, Add</i>	817.21 96.19	149.63
40 05 23 43-0703 EA 10" Flange, Stainless Steel Schedule 40 Type 304..... <i>For Work In Restricted Working Space, Add</i>	1,234.11 112.22	174.57
40 05 23 43-0704 EA 12" Flange, Stainless Steel Schedule 40 Type 304..... <i>For Work In Restricted Working Space, Add</i>	1,697.44 128.25	199.51
40 05 23 43-0705 Slip-On Flanges <small>(40 05 23 43-0621)</small>		

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 23 Stainless Steel Process Pipe and Tubing**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 43-0706 EA 1/2" Flange, Stainless Steel Schedule 40 Type 304	136.57	51.82
For Work In Restricted Working Space, Add	31.10	
40 05 23 43-0707 EA 3/4" Flange, Stainless Steel Schedule 40 Type 304	141.01	51.82
For Work In Restricted Working Space, Add	31.10	
40 05 23 43-0708 EA 1" Flange, Stainless Steel Schedule 40 Type 304	167.55	63.74
For Work In Restricted Working Space, Add	38.26	
40 05 23 43-0709 EA 1-1/4" Flange, Stainless Steel Schedule 40 Type 304	184.18	68.92
For Work In Restricted Working Space, Add	41.35	
40 05 23 43-0710 EA 1-1/2" Flange, Stainless Steel Schedule 40 Type 304	205.08	75.67
For Work In Restricted Working Space, Add	45.40	
40 05 23 43-0711 EA 2" Flange, Stainless Steel Schedule 40 Type 304	237.36	82.92
For Work In Restricted Working Space, Add	49.72	
40 05 23 43-0712 EA 2-1/2" Flange, Stainless Steel Schedule 40 Type 304	289.82	93.29
For Work In Restricted Working Space, Add	55.97	
40 05 23 43-0713 EA 3" Flange, Stainless Steel Schedule 40 Type 304	317.78	103.65
For Work In Restricted Working Space, Add	62.15	
40 05 23 43-0714 EA 4" Flange, Stainless Steel Schedule 40 Type 304	432.67	138.89
For Work In Restricted Working Space, Add	83.34	
40 05 23 43-0715 EA 6" Flange, Stainless Steel Schedule 40 Type 304	654.39	207.30
For Work In Restricted Working Space, Add	124.26	
40 05 23 43-0716 EA 8" Flange, Stainless Steel Schedule 40 Type 304	1,761.04	299.26
For Work In Restricted Working Space, Add	192.38	
40 05 23 43-0717 Caps (40 05 23 43-0621)		
40 05 23 43-0718 EA 1/2" Cap, Stainless Steel Schedule 40 Type 304	68.69	23.84
For Work In Restricted Working Space, Add	14.31	
40 05 23 43-0719 EA 3/4" Cap, Stainless Steel Schedule 40 Type 304	75.74	25.92
For Work In Restricted Working Space, Add	15.55	
40 05 23 43-0720 EA 1" Cap, Stainless Steel Schedule 40 Type 304	95.67	34.21
For Work In Restricted Working Space, Add	20.53	
40 05 23 43-0721 EA 1-1/4" Cap, Stainless Steel Schedule 40 Type 304	103.05	36.28
For Work In Restricted Working Space, Add	21.76	
40 05 23 43-0722 EA 1-1/2" Cap, Stainless Steel Schedule 40 Type 304	115.62	41.46
For Work In Restricted Working Space, Add	24.88	
40 05 23 43-0723 EA 2" Cap, Stainless Steel Schedule 40 Type 304	127.01	46.64
For Work In Restricted Working Space, Add	27.97	
40 05 23 43-0724 EA 2-1/2" Cap, Stainless Steel Schedule 40 Type 304	158.43	59.60
For Work In Restricted Working Space, Add	35.76	
40 05 23 43-0725 EA 3" Cap, Stainless Steel Schedule 40 Type 304	181.35	68.92
For Work In Restricted Working Space, Add	41.33	
40 05 23 43-0726 EA 4" Cap, Stainless Steel Schedule 40 Type 304	260.78	92.25
For Work In Restricted Working Space, Add	55.35	
40 05 23 43-0727 EA 6" Cap, Stainless Steel Schedule 40 Type 304	354.96	138.37
For Work In Restricted Working Space, Add	82.95	
40 05 23 43-0728 Reducing Tees (40 05 23 43-0621)		
40 05 23 43-0729 EA 1/2" Reducing Tees, Stainless Steel Schedule 40 Type 304	182.56	75.15
For Work In Restricted Working Space, Add	37.53	
40 05 23 43-0730 EA 3/4" Reducing Tees, Stainless Steel Schedule 40 Type 304	211.03	92.25
For Work In Restricted Working Space, Add	46.07	
40 05 23 43-0731 EA 1" Reducing Tees, Stainless Steel Schedule 40 Type 304	230.06	103.65
For Work In Restricted Working Space, Add	51.78	
40 05 23 43-0732 EA 1-1/4" Reducing Tees, Stainless Steel Schedule 40 Type 304	289.35	118.17
For Work In Restricted Working Space, Add	59.05	
40 05 23 43-0733 EA 1-1/2" Reducing Tees, Stainless Steel Schedule 40 Type 304	268.74	126.98
For Work In Restricted Working Space, Add	63.39	
40 05 23 43-0734 EA 2" Reducing Tees, Stainless Steel Schedule 40 Type 304	290.83	138.37
For Work In Restricted Working Space, Add	69.14	
40 05 23 43-0735 EA 2-1/2" Reducing Tees, Stainless Steel Schedule 40 Type 304	439.73	165.85
For Work In Restricted Working Space, Add	82.84	
40 05 23 43-0736 EA 3" Reducing Tees, Stainless Steel Schedule 40 Type 304	476.54	207.30
For Work In Restricted Working Space, Add	103.82	
40 05 23 43-0737 EA 4" Reducing Tees, Stainless Steel Schedule 40 Type 304	565.60	233.22
For Work In Restricted Working Space, Add	116.51	
40 05 23 43-0738 EA 6" Reducing Tees, Stainless Steel Schedule 40 Type 304	1,049.51	310.96
For Work In Restricted Working Space, Add	155.35	
40 05 23 43-0739 EA 8" Reducing Tee, Stainless Steel Schedule 40 Type 304	2,143.94	399.01
For Work In Restricted Working Space, Add	213.76	
40 05 23 43-0740 EA 10" Reducing Tee, Stainless Steel Schedule 40 Type 304	3,795.30	598.52
For Work In Restricted Working Space, Add	320.63	
40 05 23 43-0741 EA 12" Reducing Tee, Stainless Steel Schedule 40 Type 304	4,744.13	748.15
For Work In Restricted Working Space, Add	400.79	
40 05 23 43-0742 Type 316, Schedule 40 Pipe And 150 LB Threaded Fittings (40 05 23 43-0231)		
40 05 23 43-0743 Pipe (40 05 23 43-0742)		
40 05 23 43-0744 LF 1/2" Pipe, Stainless Steel Schedule 40 Type 316 For 150 LB Threaded Fitting	16.78	4.79
For Work In Restricted Working Space, Add	2.87	
40 05 23 43-0745 LF 3/4" Pipe, Stainless Steel Schedule 40 Type 316 For 150 LB Threaded Fitting	20.10	6.02
For Work In Restricted Working Space, Add	3.59	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 43-0746 LF 1" Pipe, Stainless Steel Schedule 40 Type 316 For 150 LB Threaded Fitting <i>For Work In Restricted Working Space, Add</i>	25.11 4.31	7.25
40 05 23 43-0747 LF 1-1/4" Pipe, Stainless Steel Schedule 40 Type 316 For 150 LB Threaded Fitting <i>For Work In Restricted Working Space, Add</i>	30.37 5.03	8.36
40 05 23 43-0748 LF 1-1/2" Pipe, Stainless Steel Schedule 40 Type 316 For 150 LB Threaded Fitting <i>For Work In Restricted Working Space, Add</i>	35.16 5.72	9.48
40 05 23 43-0749 LF 2" Pipe, Stainless Steel Schedule 40 Type 316 For 150 LB Threaded Fitting <i>For Work In Restricted Working Space, Add</i>	45.13 7.19	12.04
40 05 23 43-0750 LF 2-1/2" Pipe, Stainless Steel Schedule 40 Type 316 For 150 LB Threaded Fitting <i>For Work In Restricted Working Space, Add</i>	60.18 8.57	14.26
40 05 23 43-0751 LF 3" Pipe, Stainless Steel Schedule 40 Type 316 For 150 LB Threaded Fitting <i>For Work In Restricted Working Space, Add</i>	78.06 10.79	17.94
40 05 23 43-0752 LF 4" Pipe, Stainless Steel Schedule 40 Type 316 For 150 LB Threaded Fitting <i>For Work In Restricted Working Space, Add</i>	104.45 14.23	23.74
40 05 23 43-0753 90 Degree Elbows <small>(40 05 23 43-0742)</small>		
40 05 23 43-0754 EA 1/2" 90 Degree Elbow, Stainless Steel Schedule 40 Type 316 <i>For Work In Restricted Working Space, Add</i>	46.85 10.79	17.94
40 05 23 43-0755 EA 3/4" 90 Degree Elbow, Stainless Steel Schedule 40 Type 316 <i>For Work In Restricted Working Space, Add</i>	61.14 14.23	23.74
40 05 23 43-0756 EA 1" 90 Degree Elbow, Stainless Steel Schedule 40 Type 316 <i>For Work In Restricted Working Space, Add</i>	76.36 18.08	30.10
40 05 23 43-0757 EA 1-1/4" 90 Degree Elbow, Stainless Steel Schedule 40 Type 316 <i>For Work In Restricted Working Space, Add</i>	109.13 24.77	41.24
40 05 23 43-0758 EA 1-1/2" 90 Degree Elbow, Stainless Steel Schedule 40 Type 316 <i>For Work In Restricted Working Space, Add</i>	124.97 29.08	48.48
40 05 23 43-0759 EA 2" 90 Degree Elbow, Stainless Steel Schedule 40 Type 316 <i>For Work In Restricted Working Space, Add</i>	160.87 35.20	58.64
40 05 23 43-0760 EA 2-1/2" 90 Degree Elbow, Stainless Steel Schedule 40 Type 316 <i>For Work In Restricted Working Space, Add</i>	291.49 55.73	92.85
40 05 23 43-0761 EA 3" 90 Degree Elbow, Stainless Steel Schedule 40 Type 316 <i>For Work In Restricted Working Space, Add</i>	380.19 71.88	119.82
40 05 23 43-0762 EA 4" 90 Degree Elbow, Stainless Steel Schedule 40 Type 316 <i>For Work In Restricted Working Space, Add</i>	564.45 89.13	148.58
40 05 23 43-0763 45 Degree Elbows <small>(40 05 23 43-0742)</small>		
40 05 23 43-0764 EA 1/2" 45 Degree Elbow, Stainless Steel Schedule 40 Type 316 <i>For Work In Restricted Working Space, Add</i>	50.69 10.79	17.94
40 05 23 43-0765 EA 3/4" 45 Degree Elbow, Stainless Steel Schedule 40 Type 316 <i>For Work In Restricted Working Space, Add</i>	65.60 14.23	23.74
40 05 23 43-0766 EA 1" 45 Degree Elbow, Stainless Steel Schedule 40 Type 316 <i>For Work In Restricted Working Space, Add</i>	78.60 18.08	30.10
40 05 23 43-0767 EA 1-1/4" 45 Degree Elbow, Stainless Steel Schedule 40 Type 316 <i>For Work In Restricted Working Space, Add</i>	106.87 24.77	41.24
40 05 23 43-0768 EA 1-1/2" 45 Degree Elbow, Stainless Steel Schedule 40 Type 316 <i>For Work In Restricted Working Space, Add</i>	126.12 29.08	48.48
40 05 23 43-0769 EA 2" 45 Degree Elbow, Stainless Steel Schedule 40 Type 316 <i>For Work In Restricted Working Space, Add</i>	159.91 35.20	58.64
40 05 23 43-0770 EA 2-1/2" 45 Degree Elbow, Stainless Steel Schedule 40 Type 316 <i>For Work In Restricted Working Space, Add</i>	324.71 55.73	92.85
40 05 23 43-0771 EA 3" 45 Degree Elbow, Stainless Steel Schedule 40 Type 316 <i>For Work In Restricted Working Space, Add</i>	443.87 71.91	119.82
40 05 23 43-0772 EA 4" 45 Degree Elbow, Stainless Steel Schedule 40 Type 316 <i>For Work In Restricted Working Space, Add</i>	666.07 89.17	148.58
40 05 23 43-0773 Tees <small>(40 05 23 43-0742)</small>		
40 05 23 43-0774 EA 1/2" Tee, Stainless Steel Schedule 40 Type 316 <i>For Work In Restricted Working Space, Add</i>	69.79 16.31	27.20
40 05 23 43-0775 EA 3/4" Tee, Stainless Steel Schedule 40 Type 316 <i>For Work In Restricted Working Space, Add</i>	90.95 21.57	36.01
40 05 23 43-0776 EA 1" Tee, Stainless Steel Schedule 40 Type 316 <i>For Work In Restricted Working Space, Add</i>	109.24 26.75	44.58
40 05 23 43-0777 EA 1-1/4" Tee, Stainless Steel Schedule 40 Type 316 <i>For Work In Restricted Working Space, Add</i>	159.53 37.16	61.97
40 05 23 43-0778 EA 1-1/2" Tee, Stainless Steel Schedule 40 Type 316 <i>For Work In Restricted Working Space, Add</i>	181.05 41.80	69.66
40 05 23 43-0779 EA 2" Tee, Stainless Steel Schedule 40 Type 316 <i>For Work In Restricted Working Space, Add</i>	242.41 55.73	92.85
40 05 23 43-0780 EA 2-1/2" Tee, Stainless Steel Schedule 40 Type 316 <i>For Work In Restricted Working Space, Add</i>	434.50 80.58	134.32
40 05 23 43-0781 EA 3" Tee, Stainless Steel Schedule 40 Type 316 <i>For Work In Restricted Working Space, Add</i>	615.02 107.87	179.80
40 05 23 43-0782 EA 4" Tee, Stainless Steel Schedule 40 Type 316 <i>For Work In Restricted Working Space, Add</i>	859.33 133.76	222.93
40 05 23 43-0783 Reducers <small>(40 05 23 43-0742)</small>		
40 05 23 43-0784 EA 3/4" x 1/2" Reducer, Stainless Steel Schedule 40 Type 316 <i>For Work In Restricted Working Space, Add</i>	57.57 14.23	23.74

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 23 Stainless Steel Process Pipe and Tubing**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 43-0785 EA 1" x 3/4" Reducer, Stainless Steel Schedule 40 Type 316..... <i>For Work In Restricted Working Space, Add</i>	76.70 18.08	30.10
40 05 23 43-0786 EA 1-1/4" x 1" Reducer, Stainless Steel Schedule 40 Type 316 <i>For Work In Restricted Working Space, Add</i>	107.56 24.77	41.24
40 05 23 43-0787 EA 1-1/2" x 1-1/4" Reducer, Stainless Steel Schedule 40 Type 316 <i>For Work In Restricted Working Space, Add</i>	128.82 29.08	48.48
40 05 23 43-0788 EA 2" x 1-1/2" Reducer, Stainless Steel Schedule 40 Type 316 <i>For Work In Restricted Working Space, Add</i>	162.95 35.20	58.64
40 05 23 43-0789 EA 2-1/2" x 2" Reducer, Stainless Steel Schedule 40 Type 316 <i>For Work In Restricted Working Space, Add</i>	293.39 55.73	92.85
40 05 23 43-0790 EA 3" x 2-1/2" Reducer, Stainless Steel Schedule 40 Type 316 <i>For Work In Restricted Working Space, Add</i>	386.42 71.91	119.82
40 05 23 43-0791 EA 4" x 3" Reducer, Stainless Steel Schedule 40 Type 316..... <i>For Work In Restricted Working Space, Add</i>	525.88 89.17	148.58
40 05 23 43-0792 Unions (40 05 23 43-0742)		
40 05 23 43-0793 EA 1/2" Union, Stainless Steel Schedule 40 Type 316..... <i>For Work In Restricted Working Space, Add</i>	76.11 16.31	27.20
40 05 23 43-0794 EA 3/4" Union, Stainless Steel Schedule 40 Type 316..... <i>For Work In Restricted Working Space, Add</i>	99.62 21.57	36.01
40 05 23 43-0795 EA 1" Union, Stainless Steel Schedule 40 Type 316..... <i>For Work In Restricted Working Space, Add</i>	133.42 26.75	44.58
40 05 23 43-0796 EA 1-1/4" Union, Stainless Steel Schedule 40 Type 316..... <i>For Work In Restricted Working Space, Add</i>	202.91 37.16	61.97
40 05 23 43-0797 EA 1-1/2" Union, Stainless Steel Schedule 40 Type 316..... <i>For Work In Restricted Working Space, Add</i>	234.11 41.80	69.66
40 05 23 43-0798 EA 2" Union, Stainless Steel Schedule 40 Type 316..... <i>For Work In Restricted Working Space, Add</i>	310.98 55.73	92.85
40 05 23 43-0799 Flanges (40 05 23 43-0742)		
40 05 23 43-0800 EA 2-1/2" Flange, Stainless Steel Schedule 40 Type 316 <i>For Work In Restricted Working Space, Add</i>	292.47 55.73	92.85
40 05 23 43-0801 EA 3" Flange, Stainless Steel Schedule 40 Type 316 <i>For Work In Restricted Working Space, Add</i>	358.28 71.91	119.82
40 05 23 43-0802 EA 4" Flange, Stainless Steel Schedule 40 Type 316 <i>For Work In Restricted Working Space, Add</i>	466.44 89.17	148.58
40 05 23 43-0803 Caps (40 05 23 43-0742)		
40 05 23 43-0804 EA 1/2" Cap, Stainless Steel Schedule 40 Type 316..... <i>For Work In Restricted Working Space, Add</i>	21.91 5.39	9.03
40 05 23 43-0805 EA 3/4" Cap, Stainless Steel Schedule 40 Type 316..... <i>For Work In Restricted Working Space, Add</i>	29.71 7.19	12.04
40 05 23 43-0806 EA 1" Cap, Stainless Steel Schedule 40 Type 316..... <i>For Work In Restricted Working Space, Add</i>	38.14 8.92	14.83
40 05 23 43-0807 EA 1-1/4" Cap, Stainless Steel Schedule 40 Type 316 <i>For Work In Restricted Working Space, Add</i>	64.12 12.62	21.07
40 05 23 43-0808 EA 1-1/2" Cap, Stainless Steel Schedule 40 Type 316 <i>For Work In Restricted Working Space, Add</i>	72.92 14.23	23.74
40 05 23 43-0809 EA 2" Cap, Stainless Steel Schedule 40 Type 316..... <i>For Work In Restricted Working Space, Add</i>	92.56 18.08	30.10
40 05 23 43-0810 EA 2-1/2" Cap, Stainless Steel Schedule 40 Type 316 <i>For Work In Restricted Working Space, Add</i>	141.20 26.75	44.58
40 05 23 43-0811 EA 3" Cap, Stainless Steel Schedule 40 Type 316..... <i>For Work In Restricted Working Space, Add</i>	189.22 35.20	58.64
40 05 23 43-0812 EA 4" Cap, Stainless Steel Schedule 40 Type 316..... <i>For Work In Restricted Working Space, Add</i>	281.51 44.59	74.35
40 05 23 43-0813 Type 316 Schedule 5 Pipe And Welded Butt Fittings (40 05 23 43-0231)		
40 05 23 43-0814 Pipe (40 05 23 43-0813)		
40 05 23 43-0815 LF 1/2" Pipe, Stainless Steel Schedule 5 Type 316 For Welded Butt Fitting..... <i>For Work In Restricted Working Space, Add</i>	17.43 2.80	4.66
40 05 23 43-0816 LF 3/4" Pipe, Stainless Steel Schedule 5 Type 316 For Welded Butt Fitting..... <i>For Work In Restricted Working Space, Add</i>	20.73 3.42	5.70
40 05 23 43-0817 LF 1" Pipe, Stainless Steel Schedule 5 Type 316 For Welded Butt Fitting..... <i>For Work In Restricted Working Space, Add</i>	24.64 4.01	6.74
40 05 23 43-0818 LF 1-1/4" Pipe, Stainless Steel Schedule 5 Type 316 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	29.58 5.02	8.39
40 05 23 43-0819 LF 1-1/2" Pipe, Stainless Steel Schedule 5 Type 316 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	33.69 5.66	9.43
40 05 23 43-0820 LF 2" Pipe, Stainless Steel Schedule 5 Type 316 For Welded Butt Fitting..... <i>For Work In Restricted Working Space, Add</i>	41.96 7.01	11.71
40 05 23 43-0821 LF 2-1/2" Pipe, Stainless Steel Schedule 5 Type 316 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	52.57 8.00	13.37
40 05 23 43-0822 LF 3" Pipe, Stainless Steel Schedule 5 Type 316 For Welded Butt Fitting..... <i>For Work In Restricted Working Space, Add</i>	61.26 9.01	15.03
40 05 23 43-0823 LF 4" Pipe, Stainless Steel Schedule 5 Type 316 For Welded Butt Fitting..... <i>For Work In Restricted Working Space, Add</i>	75.44 10.67	17.83



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 43-0824 LF 6" Pipe, Stainless Steel Schedule 5 Type 316 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	120.65 14.01	23.43
40 05 23 43-0825 LF 8" Pipe, Stainless Steel Schedule 5 Type 316 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	194.87 24.49	38.10
40 05 23 43-0826 LF 10" Pipe, Stainless Steel Schedule 5 Type 316 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	249.25 26.93	41.90
40 05 23 43-0827 LF 12" Pipe, Stainless Steel Schedule 5 Type 316 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	284.89 29.93	46.58
40 05 23 43-0828 LF 14" Pipe, Stainless Steel Schedule 5 Type 316 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	350.01 33.67	52.37
40 05 23 43-0829 LF 16" Pipe, Stainless Steel Schedule 5 Type 316 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	385.62 38.48	59.85
40 05 23 43-0830 LF 18" Pipe, Stainless Steel Schedule 5 Type 316 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	432.32 44.89	69.83
40 05 23 43-0831 LF 20" Pipe, Stainless Steel Schedule 5 Type 316 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	576.88 53.87	83.79
40 05 23 43-0832 LF 24" Pipe, Stainless Steel Schedule 5 Type 316 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	751.38 67.33	104.74
40 05 23 43-0833 90 Degree Elbows <small>(40 05 23 43-0813)</small>		
40 05 23 43-0834 EA 1/2" 90 Degree Elbow, Stainless Steel Schedule 5 Type 316..... <i>For Work In Restricted Working Space, Add</i>	136.08 35.45	59.08
40 05 23 43-0835 EA 3/4" 90 Degree Elbow, Stainless Steel Schedule 5 Type 316..... <i>For Work In Restricted Working Space, Add</i>	144.26 37.62	62.71
40 05 23 43-0836 EA 1" 90 Degree Elbow, Stainless Steel Schedule 5 Type 316..... <i>For Work In Restricted Working Space, Add</i>	158.33 41.35	68.92
40 05 23 43-0837 EA 1-1/4" 90 Degree Elbow, Stainless Steel Schedule 5 Type 316 <i>For Work In Restricted Working Space, Add</i>	183.09 45.09	75.15
40 05 23 43-0838 EA 1-1/2" 90 Degree Elbow, Stainless Steel Schedule 5 Type 316 <i>For Work In Restricted Working Space, Add</i>	191.44 49.70	82.92
40 05 23 43-0839 EA 2" 90 Degree Elbow, Stainless Steel Schedule 5 Type 316..... <i>For Work In Restricted Working Space, Add</i>	219.11 55.37	92.25
40 05 23 43-0840 EA 2-1/2" 90 Degree Elbow, Stainless Steel Schedule 5 Type 316 <i>For Work In Restricted Working Space, Add</i>	285.18 70.80	118.17
40 05 23 43-0841 EA 3" 90 Degree Elbow, Stainless Steel Schedule 5 Type 316..... <i>For Work In Restricted Working Space, Add</i>	338.32 82.88	138.37
40 05 23 43-0842 EA 4" 90 Degree Elbow, Stainless Steel Schedule 5 Type 316..... <i>For Work In Restricted Working Space, Add</i>	445.70 99.28	165.85
40 05 23 43-0843 EA 6" 90 Degree Elbow, Stainless Steel Schedule 5 Type 316..... <i>For Work In Restricted Working Space, Add</i>	741.84 124.19	207.30
40 05 23 43-0844 EA 8" 90 Degree Elbow, Stainless Steel Schedule 5 Type 316..... <i>For Work In Restricted Working Space, Add</i>	1,198.69 192.38	299.26
40 05 23 43-0845 EA 10" 90 Degree Elbow, Stainless Steel Schedule 5 Type 316..... <i>For Work In Restricted Working Space, Add</i>	2,002.66 256.51	399.01
40 05 23 43-0846 EA 12" 90 Degree Elbow, Stainless Steel Schedule 5 Type 316..... <i>For Work In Restricted Working Space, Add</i>	2,592.93 384.76	598.52
40 05 23 43-0847 EA 14" 90 Degree Elbow, Stainless Steel Schedule 5 Type 316..... <i>For Work In Restricted Working Space, Add</i>	3,946.14 448.89	698.27
40 05 23 43-0848 EA 16" 90 Degree Elbow, Stainless Steel Schedule 5 Type 316..... <i>For Work In Restricted Working Space, Add</i>	4,901.43 512.04	798.02
40 05 23 43-0849 EA 18" 90 Degree Elbow, Stainless Steel Schedule 5 Type 316..... <i>For Work In Restricted Working Space, Add</i>	6,245.62 641.27	997.53
40 05 23 43-0850 EA 20" 90 Degree Elbow, Stainless Steel Schedule 5 Type 316..... <i>For Work In Restricted Working Space, Add</i>	10,253.11 897.78	1,396.55
40 05 23 43-0851 EA 24" 90 Degree Elbow, Stainless Steel Schedule 5 Type 316..... <i>For Work In Restricted Working Space, Add</i>	14,229.08 1,282.54	1,995.07
40 05 23 43-0852 45 Degree Elbows <small>(40 05 23 43-0813)</small>		
40 05 23 43-0853 EA 1/2" 45 Degree Elbow, Stainless Steel Schedule 5 Type 316..... <i>For Work In Restricted Working Space, Add</i>	143.92 35.45	59.08
40 05 23 43-0854 EA 3/4" 45 Degree Elbow, Stainless Steel Schedule 5 Type 316..... <i>For Work In Restricted Working Space, Add</i>	151.17 37.62	62.71
40 05 23 43-0855 EA 1" 45 Degree Elbow, Stainless Steel Schedule 5 Type 316..... <i>For Work In Restricted Working Space, Add</i>	166.88 41.35	68.92
40 05 23 43-0856 EA 1-1/4" 45 Degree Elbow, Stainless Steel Schedule 5 Type 316 <i>For Work In Restricted Working Space, Add</i>	199.40 45.07	75.15
40 05 23 43-0857 EA 1-1/2" 45 Degree Elbow, Stainless Steel Schedule 5 Type 316 <i>For Work In Restricted Working Space, Add</i>	192.25 49.77	82.92
40 05 23 43-0858 EA 2" 45 Degree Elbow, Stainless Steel Schedule 5 Type 316..... <i>For Work In Restricted Working Space, Add</i>	214.89 55.37	92.25
40 05 23 43-0859 EA 2-1/2" 45 Degree Elbow, Stainless Steel Schedule 5 Type 316 <i>For Work In Restricted Working Space, Add</i>	286.57 70.86	118.17
40 05 23 43-0860 EA 3" 45 Degree Elbow, Stainless Steel Schedule 5 Type 316..... <i>For Work In Restricted Working Space, Add</i>	328.37 83.05	138.37
40 05 23 43-0861 EA 4" 45 Degree Elbow, Stainless Steel Schedule 5 Type 316..... <i>For Work In Restricted Working Space, Add</i>	422.71 99.41	165.85
40 05 23 43-0862 EA 6" 45 Degree Elbow, Stainless Steel Schedule 5 Type 316..... <i>For Work In Restricted Working Space, Add</i>	611.35 124.38	207.30
40 05 23 43-0863 EA 8" 45 Degree Elbow, Stainless Steel Schedule 5 Type 316..... <i>For Work In Restricted Working Space, Add</i>	985.56 192.38	299.26
40 05 23 43-0864 EA 10" 45 Degree Elbow, Stainless Steel Schedule 5 Type 316..... <i>For Work In Restricted Working Space, Add</i>	1,627.92 256.51	399.01

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 23 Stainless Steel Process Pipe and Tubing**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 43-0865 EA 12" 45 Degree Elbow, Stainless Steel Schedule 5 Type 316..... <i>For Work In Restricted Working Space, Add</i>	2,512.14 384.76	598.52
40 05 23 43-0866 EA 14" 45 Degree Elbow, Stainless Steel Schedule 5 Type 316..... <i>For Work In Restricted Working Space, Add</i>	3,126.40 448.89	698.27
40 05 23 43-0867 EA 16" 45 Degree Elbow, Stainless Steel Schedule 5 Type 316..... <i>For Work In Restricted Working Space, Add</i>	3,849.82 512.04	798.02
40 05 23 43-0868 EA 18" 45 Degree Elbow, Stainless Steel Schedule 5 Type 316..... <i>For Work In Restricted Working Space, Add</i>	5,264.28 641.27	997.53
40 05 23 43-0869 EA 20" 45 Degree Elbow, Stainless Steel Schedule 5 Type 316..... <i>For Work In Restricted Working Space, Add</i>	8,976.67 897.78	1,396.55
40 05 23 43-0870 EA 24" 45 Degree Elbow, Stainless Steel Schedule 5 Type 316..... <i>For Work In Restricted Working Space, Add</i>	12,156.32 1,282.54	1,995.07
40 05 23 43-0871 Tees <small>(40 05 23 43-0813)</small>		
40 05 23 43-0872 EA 1/2" Tees, Stainless Steel Schedule 5 Type 316 <i>For Work In Restricted Working Space, Add</i>	222.79 45.05	75.15
40 05 23 43-0873 EA 3/4" Tees, Stainless Steel Schedule 5 Type 316 <i>For Work In Restricted Working Space, Add</i>	256.97 55.31	92.25
40 05 23 43-0874 EA 1" Tees, Stainless Steel Schedule 5 Type 316 <i>For Work In Restricted Working Space, Add</i>	276.23 62.14	103.65
40 05 23 43-0875 EA 1-1/4" Tees, Stainless Steel Schedule 5 Type 316 <i>For Work In Restricted Working Space, Add</i>	354.49 70.86	118.17
40 05 23 43-0876 EA 1-1/2" Tees, Stainless Steel Schedule 5 Type 316 <i>For Work In Restricted Working Space, Add</i>	322.63 76.06	126.98
40 05 23 43-0877 EA 2" Tees, Stainless Steel Schedule 5 Type 316 <i>For Work In Restricted Working Space, Add</i>	349.16 82.97	138.37
40 05 23 43-0878 EA 2-1/2" Tees, Stainless Steel Schedule 5 Type 316 <i>For Work In Restricted Working Space, Add</i>	537.48 99.41	165.85
40 05 23 43-0879 EA 3" Tees, Stainless Steel Schedule 5 Type 316 <i>For Work In Restricted Working Space, Add</i>	549.94 124.58	207.30
40 05 23 43-0880 EA 4" Tees, Stainless Steel Schedule 5 Type 316 <i>For Work In Restricted Working Space, Add</i>	655.76 139.82	233.22
40 05 23 43-0881 EA 6" Tees, Stainless Steel Schedule 5 Type 316 <i>For Work In Restricted Working Space, Add</i>	1,195.23 186.42	310.96
40 05 23 43-0882 EA 8" Tee, Stainless Steel Schedule 5 Type 316 <i>For Work In Restricted Working Space, Add</i>	2,166.61 256.51	399.01
40 05 23 43-0883 EA 10" Tee, Stainless Steel Schedule 5 Type 316 <i>For Work In Restricted Working Space, Add</i>	3,343.59 384.76	598.52
40 05 23 43-0884 EA 12" Tee, Stainless Steel Schedule 5 Type 316 <i>For Work In Restricted Working Space, Add</i>	4,238.04 480.95	748.15
40 05 23 43-0885 EA 14" Tee, Stainless Steel Schedule 5 Type 316 <i>For Work In Restricted Working Space, Add</i>	5,376.48 577.97	897.78
40 05 23 43-0886 EA 16" Tee, Stainless Steel Schedule 5 Type 316 <i>For Work In Restricted Working Space, Add</i>	6,032.00 705.06	1,097.28
40 05 23 43-0887 EA 18" Tee, Stainless Steel Schedule 5 Type 316 <i>For Work In Restricted Working Space, Add</i>	7,384.03 897.78	1,396.55
40 05 23 43-0888 EA 20" Tee, Stainless Steel Schedule 5 Type 316 <i>For Work In Restricted Working Space, Add</i>	11,151.31 1,181.29	1,845.43
40 05 23 43-0889 EA 24" Tee, Stainless Steel Schedule 5 Type 316 <i>For Work In Restricted Working Space, Add</i>	17,093.79 1,795.56	2,793.09
40 05 23 43-0890 Reducers <small>(40 05 23 43-0813)</small>		
40 05 23 43-0891 EA 3/4" Reducer, Stainless Steel Schedule 5 Type 316..... <i>For Work In Restricted Working Space, Add</i>	148.95 34.23	57.01
40 05 23 43-0892 EA 1" Reducer, Stainless Steel Schedule 5 Type 316..... <i>For Work In Restricted Working Space, Add</i>	164.59 37.30	62.19
40 05 23 43-0893 EA 1-1/4" Reducer, Stainless Steel Schedule 5 Type 316 <i>For Work In Restricted Working Space, Add</i>	200.66 41.35	68.92
40 05 23 43-0894 EA 1-1/2" Reducer, Stainless Steel Schedule 5 Type 316 <i>For Work In Restricted Working Space, Add</i>	177.12 45.07	75.15
40 05 23 43-0895 EA 2" Reducer, Stainless Steel Schedule 5 Type 316..... <i>For Work In Restricted Working Space, Add</i>	195.04 49.77	82.92
40 05 23 43-0896 EA 2-1/2" Reducer, Stainless Steel Schedule 5 Type 316 <i>For Work In Restricted Working Space, Add</i>	251.47 62.19	103.65
40 05 23 43-0897 EA 3" Reducer, Stainless Steel Schedule 5 Type 316..... <i>For Work In Restricted Working Space, Add</i>	279.71 70.80	118.17
40 05 23 43-0898 EA 4" Reducer, Stainless Steel Schedule 5 Type 316..... <i>For Work In Restricted Working Space, Add</i>	325.87 82.97	138.37
40 05 23 43-0899 EA 6" Reducer, Stainless Steel Schedule 5 Type 316..... <i>For Work In Restricted Working Space, Add</i>	419.32 105.62	176.21
40 05 23 43-0900 EA 8" Reducer, Stainless Steel Schedule 5 Type 316..... <i>For Work In Restricted Working Space, Add</i>	821.29 153.91	239.41
40 05 23 43-0901 EA 10" Reducer, Stainless Steel Schedule 5 Type 316..... <i>For Work In Restricted Working Space, Add</i>	1,070.02 192.38	299.26
40 05 23 43-0902 EA 12" Reducer, Stainless Steel Schedule 5 Type 316..... <i>For Work In Restricted Working Space, Add</i>	1,422.69 256.51	399.01
40 05 23 43-0903 EA 14" Reducer, Stainless Steel Schedule 5 Type 316..... <i>For Work In Restricted Working Space, Add</i>	1,887.83 336.67	523.70
40 05 23 43-0904 EA 16" Reducer, Stainless Steel Schedule 5 Type 316..... <i>For Work In Restricted Working Space, Add</i>	2,233.16 383.67	598.52
40 05 23 43-0905 EA 18" Reducer, Stainless Steel Schedule 5 Type 316..... <i>For Work In Restricted Working Space, Add</i>	2,778.62 480.95	748.15



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 43-0906 EA 20" Reducer, Stainless Steel Schedule 5 Type 316..... <i>For Work In Restricted Working Space, Add</i>	4,172.75 641.27	997.53
40 05 23 43-0907 EA 24" Reducer, Stainless Steel Schedule 5 Type 316..... <i>For Work In Restricted Working Space, Add</i>	6,523.44 961.91	1,496.30
40 05 23 43-0908 Weld Neck Flanges <small>(40 05 23 43-0813)</small>		
40 05 23 43-0909 EA 1/2" Flanges, Stainless Steel Schedule 5 Type 316 <i>For Work In Restricted Working Space, Add</i>	81.73 14.31	23.84
40 05 23 43-0910 EA 3/4" Flanges, Stainless Steel Schedule 5 Type 316 <i>For Work In Restricted Working Space, Add</i>	85.87 15.55	25.92
40 05 23 43-0911 EA 1" Flanges, Stainless Steel Schedule 5 Type 316 <i>For Work In Restricted Working Space, Add</i>	103.51 20.84	34.73
40 05 23 43-0912 EA 1-1/4" Flanges, Stainless Steel Schedule 5 Type 316 <i>For Work In Restricted Working Space, Add</i>	114.54 21.76	36.28
40 05 23 43-0913 EA 1-1/2" Flanges, Stainless Steel Schedule 5 Type 316 <i>For Work In Restricted Working Space, Add</i>	132.85 24.88	41.46
40 05 23 43-0914 EA 2" Flanges, Stainless Steel Schedule 5 Type 316 <i>For Work In Restricted Working Space, Add</i>	157.91 27.96	46.64
40 05 23 43-0915 EA 2-1/2" Flanges, Stainless Steel Schedule 5 Type 316 <i>For Work In Restricted Working Space, Add</i>	213.36 35.76	59.60
40 05 23 43-0916 EA 3" Flanges, Stainless Steel Schedule 5 Type 316 <i>For Work In Restricted Working Space, Add</i>	236.51 41.33	68.92
40 05 23 43-0917 EA 4" Flanges, Stainless Steel Schedule 5 Type 316 <i>For Work In Restricted Working Space, Add</i>	323.87 55.97	93.29
40 05 23 43-0918 EA 6" Flanges, Stainless Steel Schedule 5 Type 316 <i>For Work In Restricted Working Space, Add</i>	489.88 82.97	138.37
40 05 23 43-0919 EA 8" Flange, Stainless Steel Schedule 5 Type 316 <i>For Work In Restricted Working Space, Add</i>	855.54 96.19	149.63
40 05 23 43-0920 EA 10" Flange, Stainless Steel Schedule 5 Type 316 <i>For Work In Restricted Working Space, Add</i>	1,300.50 112.22	174.57
40 05 23 43-0921 EA 12" Flange, Stainless Steel Schedule 5 Type 316 <i>For Work In Restricted Working Space, Add</i>	1,795.48 128.25	199.51
40 05 23 43-0922 EA 14" Flange, Stainless Steel Schedule 5 Type 316 <i>For Work In Restricted Working Space, Add</i>	2,378.98 160.32	249.39
40 05 23 43-0923 EA 16" Flange, Stainless Steel Schedule 5 Type 316 <i>For Work In Restricted Working Space, Add</i>	3,177.59 192.38	299.26
40 05 23 43-0924 EA 18" Flange, Stainless Steel Schedule 5 Type 316 <i>For Work In Restricted Working Space, Add</i>	3,306.65 224.45	349.14
40 05 23 43-0925 EA 20" Flange, Stainless Steel Schedule 5 Type 316 <i>For Work In Restricted Working Space, Add</i>	4,550.41 272.60	423.95
40 05 23 43-0926 EA 24" Flange, Stainless Steel Schedule 5 Type 316 <i>For Work In Restricted Working Space, Add</i>	10,148.94 352.53	548.65
40 05 23 43-0927 Slip-On Flanges <small>(40 05 23 43-0813)</small>		
40 05 23 43-0928 EA 1/2" Flange, Stainless Steel Schedule 5 Type 316 <i>For Work In Restricted Working Space, Add</i>	139.11 31.10	51.82
40 05 23 43-0929 EA 3/4" Flange, Stainless Steel Schedule 5 Type 316 <i>For Work In Restricted Working Space, Add</i>	143.89 31.10	51.82
40 05 23 43-0930 EA 1" Flange, Stainless Steel Schedule 5 Type 316 <i>For Work In Restricted Working Space, Add</i>	170.64 38.26	63.74
40 05 23 43-0931 EA 1-1/4" Flange, Stainless Steel Schedule 5 Type 316 <i>For Work In Restricted Working Space, Add</i>	187.77 41.35	68.92
40 05 23 43-0932 EA 1-1/2" Flange, Stainless Steel Schedule 5 Type 316 <i>For Work In Restricted Working Space, Add</i>	209.24 45.41	75.67
40 05 23 43-0933 EA 2" Flange, Stainless Steel Schedule 5 Type 316 <i>For Work In Restricted Working Space, Add</i>	242.85 49.70	82.92
40 05 23 43-0934 EA 2-1/2" Flange, Stainless Steel Schedule 5 Type 316 <i>For Work In Restricted Working Space, Add</i>	297.76 55.97	93.29
40 05 23 43-0935 EA 3" Flange, Stainless Steel Schedule 5 Type 316 <i>For Work In Restricted Working Space, Add</i>	326.30 62.14	103.65
40 05 23 43-0936 EA 4" Flange, Stainless Steel Schedule 5 Type 316 <i>For Work In Restricted Working Space, Add</i>	444.56 83.32	138.89
40 05 23 43-0937 EA 6" Flange, Stainless Steel Schedule 5 Type 316 <i>For Work In Restricted Working Space, Add</i>	672.67 124.19	207.30
40 05 23 43-0938 EA 8" Flange, Stainless Steel Schedule 5 Type 316 <i>For Work In Restricted Working Space, Add</i>	1,847.48 192.38	299.26
40 05 23 43-0939 Caps <small>(40 05 23 43-0813)</small>		
40 05 23 43-0940 EA 1/2" Cap, Stainless Steel Schedule 5 Type 316 <i>For Work In Restricted Working Space, Add</i>	70.31 14.31	23.84
40 05 23 43-0941 EA 3/4" Cap, Stainless Steel Schedule 5 Type 316 <i>For Work In Restricted Working Space, Add</i>	77.59 15.55	25.92
40 05 23 43-0942 EA 1" Cap, Stainless Steel Schedule 5 Type 316 <i>For Work In Restricted Working Space, Add</i>	97.78 20.53	34.21
40 05 23 43-0943 EA 1-1/4" Cap, Stainless Steel Schedule 5 Type 316 <i>For Work In Restricted Working Space, Add</i>	105.41 21.76	36.28
40 05 23 43-0944 EA 1-1/2" Cap, Stainless Steel Schedule 5 Type 316 <i>For Work In Restricted Working Space, Add</i>	118.14 24.88	41.46
40 05 23 43-0945 EA 2" Cap, Stainless Steel Schedule 5 Type 316 <i>For Work In Restricted Working Space, Add</i>	129.60 27.96	46.64

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 23 Stainless Steel Process Pipe and Tubing**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 43-0946 EA 2-1/2" Cap, Stainless Steel Schedule 5 Type 316	161.45	59.60
<i>For Work In Restricted Working Space, Add</i>	35.76	
40 05 23 43-0947 EA 3" Cap, Stainless Steel Schedule 5 Type 316.....	184.73	68.92
<i>For Work In Restricted Working Space, Add</i>	41.33	
40 05 23 43-0948 EA 4" Cap, Stainless Steel Schedule 5 Type 316.....	266.60	92.25
<i>For Work In Restricted Working Space, Add</i>	55.33	
40 05 23 43-0949 EA 6" Cap, Stainless Steel Schedule 5 Type 316.....	361.07	138.37
<i>For Work In Restricted Working Space, Add</i>	82.97	
40 05 23 43-0950 Reducing Tees <small>(40 05 23 43-0913)</small>		
40 05 23 43-0951 EA 3/4" Reducing Tees, Stainless Steel Schedule 5 Type 316	190.81	75.15
<i>For Work In Restricted Working Space, Add</i>	37.64	
40 05 23 43-0952 EA 1" Reducing Tees, Stainless Steel Schedule 5 Type 316	219.11	92.25
<i>For Work In Restricted Working Space, Add</i>	46.13	
40 05 23 43-0953 EA 1-1/4" Reducing Tees, Stainless Steel Schedule 5 Type 316.....	260.24	103.65
<i>For Work In Restricted Working Space, Add</i>	51.83	
40 05 23 43-0954 EA 1-1/2" Reducing Tees, Stainless Steel Schedule 5 Type 316.....	260.31	118.17
<i>For Work In Restricted Working Space, Add</i>	59.08	
40 05 23 43-0955 EA 2" Reducing Tees, Stainless Steel Schedule 5 Type 316	283.26	126.98
<i>For Work In Restricted Working Space, Add</i>	63.49	
40 05 23 43-0956 EA 2-1/2" Reducing Tees, Stainless Steel Schedule 5 Type 316.....	409.72	138.37
<i>For Work In Restricted Working Space, Add</i>	69.19	
40 05 23 43-0957 EA 3" Reducing Tees, Stainless Steel Schedule 5 Type 316	400.42	165.85
<i>For Work In Restricted Working Space, Add</i>	82.93	
40 05 23 43-0958 EA 4" Reducing Tees, Stainless Steel Schedule 5 Type 316	524.60	207.30
<i>For Work In Restricted Working Space, Add</i>	103.65	
40 05 23 43-0959 EA 6" Reducing Tees, Stainless Steel Schedule 5 Type 316	932.08	236.84
<i>For Work In Restricted Working Space, Add</i>	118.43	
40 05 23 43-0960 EA 8" Reducing Tee, Stainless Steel Schedule 5 Type 316	1,659.29	299.26
<i>For Work In Restricted Working Space, Add</i>	160.32	
40 05 23 43-0961 EA 10" Reducing Tee, Stainless Steel Schedule 5 Type 316.....	2,668.87	399.01
<i>For Work In Restricted Working Space, Add</i>	213.76	
40 05 23 43-0962 EA 12" Reducing Tee, Stainless Steel Schedule 5 Type 316.....	3,570.70	598.52
<i>For Work In Restricted Working Space, Add</i>	320.63	
40 05 23 43-0963 EA 14" Reducing Tee, Stainless Steel Schedule 5 Type 316.....	4,549.18	719.22
<i>For Work In Restricted Working Space, Add</i>	385.20	
40 05 23 43-0964 EA 16" Reducing Tee, Stainless Steel Schedule 5 Type 316.....	5,062.88	877.33
<i>For Work In Restricted Working Space, Add</i>	469.88	
40 05 23 43-0965 EA 18" Reducing Tee, Stainless Steel Schedule 5 Type 316.....	6,169.53	1,117.23
<i>For Work In Restricted Working Space, Add</i>	598.52	
40 05 23 43-0966 EA 20" Reducing Tee, Stainless Steel Schedule 5 Type 316.....	9,472.30	1,469.87
<i>For Work In Restricted Working Space, Add</i>	787.53	
40 05 23 43-0967 EA 24" Reducing Tee, Stainless Steel Schedule 5 Type 316.....	14,537.08	2,233.47
<i>For Work In Restricted Working Space, Add</i>	1,195.98	
40 05 23 43-0968 Type 316 Schedule 10 Pipe And Welded Butt Fittings <small>(40 05 23 43-0231)</small>		
40 05 23 43-0969 Pipe <small>(40 05 23 43-0968)</small>		
40 05 23 43-0970 LF 1/2" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting.....	17.34	4.66
<i>For Work In Restricted Working Space, Add</i>	2.80	
40 05 23 43-0971 LF 3/4" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting.....	20.68	5.70
<i>For Work In Restricted Working Space, Add</i>	3.42	
40 05 23 43-0972 LF 1" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting	27.17	6.74
<i>For Work In Restricted Working Space, Add</i>	4.01	
40 05 23 43-0973 LF 1-1/4" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting	33.23	8.39
<i>For Work In Restricted Working Space, Add</i>	5.02	
40 05 23 43-0974 LF 1-1/2" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting	37.00	9.43
<i>For Work In Restricted Working Space, Add</i>	5.66	
40 05 23 43-0975 LF 2" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting	45.76	11.71
<i>For Work In Restricted Working Space, Add</i>	7.01	
40 05 23 43-0976 LF 2-1/2" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting	54.56	13.37
<i>For Work In Restricted Working Space, Add</i>	8.00	
40 05 23 43-0977 LF 3" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting	64.21	15.03
<i>For Work In Restricted Working Space, Add</i>	9.01	
40 05 23 43-0978 LF 4" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting	80.39	17.83
<i>For Work In Restricted Working Space, Add</i>	10.67	
40 05 23 43-0979 LF 6" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting	116.66	23.43
<i>For Work In Restricted Working Space, Add</i>	14.01	
40 05 23 43-0980 LF 8" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting	188.77	38.10
<i>For Work In Restricted Working Space, Add</i>	24.49	
40 05 23 43-0981 LF 10" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting	240.66	41.90
<i>For Work In Restricted Working Space, Add</i>	26.93	
40 05 23 43-0982 LF 12" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting	287.81	46.58
<i>For Work In Restricted Working Space, Add</i>	29.93	
40 05 23 43-0983 LF 14" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting	353.77	52.37
<i>For Work In Restricted Working Space, Add</i>	33.67	
40 05 23 43-0984 LF 16" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting	389.67	59.85
<i>For Work In Restricted Working Space, Add</i>	38.48	
40 05 23 43-0985 LF 18" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting	436.77	69.83
<i>For Work In Restricted Working Space, Add</i>	44.89	
40 05 23 43-0986 LF 20" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting	605.56	83.79
<i>For Work In Restricted Working Space, Add</i>	53.87	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 43-0987 LF 24" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	789.43 67.33	104.74
40 05 23 43-0988 90 Degree Elbows <small>(40 05 23 43-0988)</small>		
40 05 23 43-0989 EA 1/2" 90 Degree Elbow, Stainless Steel Schedule 10 Type 316 <i>For Work In Restricted Working Space, Add</i>	132.55 35.45	59.08
40 05 23 43-0990 EA 3/4" 90 Degree Elbow, Stainless Steel Schedule 10 Type 316 <i>For Work In Restricted Working Space, Add</i>	139.80 37.62	62.71
40 05 23 43-0991 EA 1" 90 Degree Elbow, Stainless Steel Schedule 10 Type 316 <i>For Work In Restricted Working Space, Add</i>	152.24 41.36	68.92
40 05 23 43-0992 EA 1-1/4" 90 Degree Elbow, Stainless Steel Schedule 10, Type 316 <i>For Work In Restricted Working Space, Add</i>	171.29 45.11	75.15
40 05 23 43-0993 EA 1-1/2" 90 Degree Elbow, Stainless Steel Schedule 10, Type 316 <i>For Work In Restricted Working Space, Add</i>	192.48 49.71	82.92
40 05 23 43-0994 EA 2" 90 Degree Elbow, Stainless Steel Schedule 10 Type 316 <i>For Work In Restricted Working Space, Add</i>	212.71 55.38	92.25
40 05 23 43-0995 EA 2-1/2" 90 Degree Elbow, Stainless Steel Schedule 10, Type 316 <i>For Work In Restricted Working Space, Add</i>	275.89 70.82	118.17
40 05 23 43-0996 EA 3" 90 Degree Elbow, Stainless Steel Schedule 10 Type 316 <i>For Work In Restricted Working Space, Add</i>	326.57 82.91	138.37
40 05 23 43-0997 EA 4" 90 Degree Elbow, Stainless Steel Schedule 10 Type 316 <i>For Work In Restricted Working Space, Add</i>	424.86 99.35	165.85
40 05 23 43-0998 EA 6" 90 Degree Elbow, Stainless Steel Schedule 10 Type 316 <i>For Work In Restricted Working Space, Add</i>	681.47 124.12	207.30
40 05 23 43-0999 EA 8" 90 Degree Elbow, Stainless Steel Schedule 10 Type 316 <i>For Work In Restricted Working Space, Add</i>	1,252.12 192.38	299.26
40 05 23 43-1000 EA 10" 90 Degree Elbow, Stainless Steel Schedule 10 Type 316 <i>For Work In Restricted Working Space, Add</i>	1,988.24 256.51	399.01
40 05 23 43-1001 EA 12" 90 Degree Elbow, Stainless Steel Schedule 10 Type 316 <i>For Work In Restricted Working Space, Add</i>	3,060.30 384.76	598.52
40 05 23 43-1002 EA 14" 90 Degree Elbow, Stainless Steel Schedule 10 Type 316 <i>For Work In Restricted Working Space, Add</i>	3,900.50 448.89	698.27
40 05 23 43-1003 EA 16" 90 Degree Elbow, Stainless Steel Schedule 10 Type 316 <i>For Work In Restricted Working Space, Add</i>	4,841.13 512.04	798.02
40 05 23 43-1004 EA 18" 90 Degree Elbow, Stainless Steel Schedule 10 Type 316 <i>For Work In Restricted Working Space, Add</i>	6,163.45 641.27	997.53
40 05 23 43-1005 EA 20" 90 Degree Elbow, Stainless Steel Schedule 10 Type 316 <i>For Work In Restricted Working Space, Add</i>	10,124.38 897.78	1,396.55
40 05 23 43-1006 EA 24" 90 Degree Elbow, Stainless Steel Schedule 10 Type 316 <i>For Work In Restricted Working Space, Add</i>	14,040.28 1,282.54	1,995.07
40 05 23 43-1007 45 Degree Elbows <small>(40 05 23 43-0988)</small>		
40 05 23 43-1008 EA 1/2" 45 Degree Elbow, Stainless Steel Schedule 10 Type 316 <i>For Work In Restricted Working Space, Add</i>	138.45 35.45	59.08
40 05 23 43-1009 EA 3/4" 45 Degree Elbow, Stainless Steel Schedule 10 Type 316 <i>For Work In Restricted Working Space, Add</i>	145.70 37.62	62.71
40 05 23 43-1010 EA 1" 45 Degree Elbow, Stainless Steel Schedule 10 Type 316 <i>For Work In Restricted Working Space, Add</i>	158.14 41.36	68.92
40 05 23 43-1011 EA 1-1/4" 45 Degree Elbow, Stainless Steel Schedule 10, Type 316 <i>For Work In Restricted Working Space, Add</i>	172.95 45.07	75.15
40 05 23 43-1012 EA 1-1/2" 45 Degree Elbow, Stainless Steel Schedule 10, Type 316 <i>For Work In Restricted Working Space, Add</i>	189.12 49.77	82.92
40 05 23 43-1013 EA 2" 45 Degree Elbow, Stainless Steel Schedule 10 Type 316 <i>For Work In Restricted Working Space, Add</i>	223.20 55.38	92.25
40 05 23 43-1014 EA 2-1/2" 45 Degree Elbow, Stainless Steel Schedule 10, Type 316 <i>For Work In Restricted Working Space, Add</i>	275.15 70.87	118.17
40 05 23 43-1015 EA 3" 45 Degree Elbow, Stainless Steel Schedule 10 Type 316 <i>For Work In Restricted Working Space, Add</i>	317.27 83.02	138.37
40 05 23 43-1016 EA 4" 45 Degree Elbow, Stainless Steel Schedule 10 Type 316 <i>For Work In Restricted Working Space, Add</i>	402.81 99.44	165.85
40 05 23 43-1017 EA 6" 45 Degree Elbow, Stainless Steel Schedule 10 Type 316 <i>For Work In Restricted Working Space, Add</i>	567.06 124.38	207.30
40 05 23 43-1018 EA 8" 45 Degree Elbow, Stainless Steel Schedule 10 Type 316 <i>For Work In Restricted Working Space, Add</i>	1,107.83 192.38	299.26
40 05 23 43-1019 EA 10" 45 Degree Elbow, Stainless Steel Schedule 10 Type 316 <i>For Work In Restricted Working Space, Add</i>	1,623.59 256.51	399.01
40 05 23 43-1020 EA 12" 45 Degree Elbow, Stainless Steel Schedule 10 Type 316 <i>For Work In Restricted Working Space, Add</i>	2,508.46 384.76	598.52
40 05 23 43-1021 EA 14" 45 Degree Elbow, Stainless Steel Schedule 10 Type 316 <i>For Work In Restricted Working Space, Add</i>	3,121.57 448.89	698.27
40 05 23 43-1022 EA 16" 45 Degree Elbow, Stainless Steel Schedule 10 Type 316 <i>For Work In Restricted Working Space, Add</i>	3,842.86 512.04	798.02
40 05 23 43-1023 EA 18" 45 Degree Elbow, Stainless Steel Schedule 10 Type 316 <i>For Work In Restricted Working Space, Add</i>	5,255.12 641.27	997.53
40 05 23 43-1024 EA 20" 45 Degree Elbow, Stainless Steel Schedule 10 Type 316 <i>For Work In Restricted Working Space, Add</i>	8,964.28 897.78	1,396.55
40 05 23 43-1025 EA 24" 45 Degree Elbow, Stainless Steel Schedule 10 Type 316 <i>For Work In Restricted Working Space, Add</i>	12,130.53 1,282.54	1,995.07
40 05 23 43-1026 Tees <small>(40 05 23 43-0988)</small>		

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 23 Stainless Steel Process Pipe and Tubing**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 43-1027 EA 1/2" Tees, Stainless Steel Schedule 10 Type 316	198.45	75.15
For Work In Restricted Working Space, Add	45.05	
40 05 23 43-1028 EA 3/4" Tees, Stainless Steel Schedule 10 Type 316	232.63	92.25
For Work In Restricted Working Space, Add	55.31	
40 05 23 43-1029 EA 1" Tees, Stainless Steel Schedule 10 Type 316	255.41	103.65
For Work In Restricted Working Space, Add	62.14	
40 05 23 43-1030 EA 1-1/4" Tees, Stainless Steel Schedule 10 Type 316	289.42	118.17
For Work In Restricted Working Space, Add	70.90	
40 05 23 43-1031 EA 1-1/2" Tees, Stainless Steel Schedule 10 Type 316	308.36	126.98
For Work In Restricted Working Space, Add	76.10	
40 05 23 43-1032 EA 2" Tees, Stainless Steel Schedule 10 Type 316	361.85	138.37
For Work In Restricted Working Space, Add	82.97	
40 05 23 43-1033 EA 2-1/2" Tees, Stainless Steel Schedule 10 Type 316	436.03	165.85
For Work In Restricted Working Space, Add	99.44	
40 05 23 43-1034 EA 3" Tees, Stainless Steel Schedule 10 Type 316	563.15	207.30
For Work In Restricted Working Space, Add	124.54	
40 05 23 43-1035 EA 4" Tees, Stainless Steel Schedule 10 Type 316	626.87	233.22
For Work In Restricted Working Space, Add	139.79	
40 05 23 43-1036 EA 6" Tees, Stainless Steel Schedule 10 Type 316	1,069.14	310.96
For Work In Restricted Working Space, Add	186.56	
40 05 23 43-1037 EA 8" Tee, Stainless Steel Schedule 10 Type 316	1,710.42	399.01
For Work In Restricted Working Space, Add	256.51	
40 05 23 43-1038 EA 10" Tee, Stainless Steel Schedule 10 Type 316	2,511.18	598.52
For Work In Restricted Working Space, Add	384.76	
40 05 23 43-1039 EA 12" Tee, Stainless Steel Schedule 10 Type 316	4,265.22	748.15
For Work In Restricted Working Space, Add	480.95	
40 05 23 43-1040 EA 14" Tee, Stainless Steel Schedule 10 Type 316	5,414.53	897.78
For Work In Restricted Working Space, Add	577.97	
40 05 23 43-1041 EA 16" Tee, Stainless Steel Schedule 10 Type 316	6,070.26	1,097.28
For Work In Restricted Working Space, Add	705.06	
40 05 23 43-1042 EA 18" Tee, Stainless Steel Schedule 10 Type 316	7,429.34	1,396.55
For Work In Restricted Working Space, Add	897.78	
40 05 23 43-1043 EA 20" Tee, Stainless Steel Schedule 10 Type 316	11,226.46	1,845.43
For Work In Restricted Working Space, Add	1,181.29	
40 05 23 43-1044 EA 24" Tee, Stainless Steel Schedule 10 Type 316	17,208.93	2,793.09
For Work In Restricted Working Space, Add	1,795.56	
40 05 23 43-1045 Reducers <small>(40 05 23 43-0968)</small>		
40 05 23 43-1046 EA 3/4" Reducer, Stainless Steel Schedule 10 Type 316	150.78	57.01
For Work In Restricted Working Space, Add	34.23	
40 05 23 43-1047 EA 1" Reducer, Stainless Steel Schedule 10 Type 316	166.71	62.19
For Work In Restricted Working Space, Add	37.31	
40 05 23 43-1048 EA 1-1/4" Reducer, Stainless Steel Schedule 10 Type 316	203.97	68.92
For Work In Restricted Working Space, Add	41.35	
40 05 23 43-1049 EA 1-1/2" Reducer, Stainless Steel Schedule 10 Type 316	178.50	75.15
For Work In Restricted Working Space, Add	45.05	
40 05 23 43-1050 EA 2" Reducer, Stainless Steel Schedule 10 Type 316	196.54	82.92
For Work In Restricted Working Space, Add	49.76	
40 05 23 43-1051 EA 2-1/2" Reducer, Stainless Steel Schedule 10 Type 316	253.77	103.65
For Work In Restricted Working Space, Add	62.18	
40 05 23 43-1052 EA 3" Reducer, Stainless Steel Schedule 10 Type 316	282.06	118.17
For Work In Restricted Working Space, Add	70.81	
40 05 23 43-1053 EA 4" Reducer, Stainless Steel Schedule 10 Type 316	328.47	138.37
For Work In Restricted Working Space, Add	82.97	
40 05 23 43-1054 EA 6" Reducer, Stainless Steel Schedule 10 Type 316	422.91	176.21
For Work In Restricted Working Space, Add	105.64	
40 05 23 43-1055 EA 8" Reducer, Stainless Steel Schedule 10 Type 316	837.52	239.41
For Work In Restricted Working Space, Add	153.91	
40 05 23 43-1056 EA 10" Reducer, Stainless Steel Schedule 10 Type 316	1,092.59	299.26
For Work In Restricted Working Space, Add	192.38	
40 05 23 43-1057 EA 12" Reducer, Stainless Steel Schedule 10 Type 316	1,452.56	399.01
For Work In Restricted Working Space, Add	256.51	
40 05 23 43-1058 EA 14" Reducer, Stainless Steel Schedule 10 Type 316	1,928.12	523.70
For Work In Restricted Working Space, Add	336.67	
40 05 23 43-1059 EA 16" Reducer, Stainless Steel Schedule 10 Type 316	2,284.48	598.52
For Work In Restricted Working Space, Add	383.99	
40 05 23 43-1060 EA 18" Reducer, Stainless Steel Schedule 10 Type 316	2,840.49	748.15
For Work In Restricted Working Space, Add	480.95	
40 05 23 43-1061 EA 20" Reducer, Stainless Steel Schedule 10 Type 316	4,279.87	997.53
For Work In Restricted Working Space, Add	641.27	
40 05 23 43-1062 EA 24" Reducer, Stainless Steel Schedule 10 Type 316	6,698.02	1,496.30
For Work In Restricted Working Space, Add	961.91	
40 05 23 43-1063 Flanges <small>(40 05 23 43-0968)</small>		
40 05 23 43-1064 EA 1/2" Flanges, Stainless Steel Schedule 10 Type 316	83.52	23.84
For Work In Restricted Working Space, Add	14.31	
40 05 23 43-1065 EA 3/4" Flanges, Stainless Steel Schedule 10 Type 316	87.66	25.92
For Work In Restricted Working Space, Add	15.55	
40 05 23 43-1066 EA 1" Flanges, Stainless Steel Schedule 10 Type 316	105.29	34.73
For Work In Restricted Working Space, Add	20.84	
40 05 23 43-1067 EA 1-1/4" Flanges, Stainless Steel Schedule 10 Type 316	116.75	36.28
For Work In Restricted Working Space, Add	21.76	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 43-1068 EA 1-1/2" Flanges, Stainless Steel Schedule 10 Type 316 <i>For Work In Restricted Working Space, Add</i>	135.48 24.88	41.46
40 05 23 43-1069 EA 2" Flanges, Stainless Steel Schedule 10 Type 316 <i>For Work In Restricted Working Space, Add</i>	161.33 27.97	46.64
40 05 23 43-1070 EA 2-1/2" Flanges, Stainless Steel Schedule 10 Type 316 <i>For Work In Restricted Working Space, Add</i>	218.33 35.76	59.60
40 05 23 43-1071 EA 3" Flanges, Stainless Steel Schedule 10 Type 316 <i>For Work In Restricted Working Space, Add</i>	241.70 41.33	68.92
40 05 23 43-1072 EA 4" Flanges, Stainless Steel Schedule 10 Type 316 <i>For Work In Restricted Working Space, Add</i>	331.13 55.97	93.29
40 05 23 43-1073 EA 6" Flanges, Stainless Steel Schedule 10 Type 316 <i>For Work In Restricted Working Space, Add</i>	501.06 82.95	138.37
40 05 23 43-1074 EA 8" Flange, Stainless Steel Schedule 10 Type 316 <i>For Work In Restricted Working Space, Add</i>	883.70 96.19	149.63
40 05 23 43-1075 EA 10" Flange, Stainless Steel Schedule 10 Type 316 <i>For Work In Restricted Working Space, Add</i>	1,349.26 112.22	174.57
40 05 23 43-1076 EA 12" Flange, Stainless Steel Schedule 10 Type 316 <i>For Work In Restricted Working Space, Add</i>	1,867.48 128.25	199.51
40 05 23 43-1077 EA 14" Flange, Stainless Steel Schedule 10 Type 316 <i>For Work In Restricted Working Space, Add</i>	2,476.07 160.32	249.39
40 05 23 43-1078 EA 16" Flange, Stainless Steel Schedule 10 Type 316 <i>For Work In Restricted Working Space, Add</i>	3,311.08 192.38	299.26
40 05 23 43-1079 EA 18" Flange, Stainless Steel Schedule 10 Type 316 <i>For Work In Restricted Working Space, Add</i>	3,441.31 224.45	349.14
40 05 23 43-1080 EA 20" Flange, Stainless Steel Schedule 10 Type 316 <i>For Work In Restricted Working Space, Add</i>	4,742.08 272.60	423.95
40 05 23 43-1081 EA 24" Flange, Stainless Steel Schedule 10 Type 316 <i>For Work In Restricted Working Space, Add</i>	10,621.24 352.53	548.65
40 05 23 43-1082 Slip-On Flanges <small>(40 05 23 43-0968)</small>		
40 05 23 43-1083 EA 1/2" Flange, Stainless Steel Schedule 10 Type 316 <i>For Work In Restricted Working Space, Add</i>	140.98 31.10	51.82
40 05 23 43-1084 EA 3/4" Flange, Stainless Steel Schedule 10 Type 316 <i>For Work In Restricted Working Space, Add</i>	146.00 31.10	51.82
40 05 23 43-1085 EA 1" Flange, Stainless Steel Schedule 10 Type 316 <i>For Work In Restricted Working Space, Add</i>	172.91 38.26	63.74
40 05 23 43-1086 EA 1-1/4" Flange, Stainless Steel Schedule 10 Type 316 <i>For Work In Restricted Working Space, Add</i>	190.39 41.35	68.92
40 05 23 43-1087 EA 1-1/2" Flange, Stainless Steel Schedule 10 Type 316 <i>For Work In Restricted Working Space, Add</i>	212.27 45.40	75.67
40 05 23 43-1088 EA 2" Flange, Stainless Steel Schedule 10 Type 316 <i>For Work In Restricted Working Space, Add</i>	246.96 49.72	82.92
40 05 23 43-1089 EA 2-1/2" Flange, Stainless Steel Schedule 10 Type 316 <i>For Work In Restricted Working Space, Add</i>	303.64 55.97	93.29
40 05 23 43-1090 EA 3" Flange, Stainless Steel Schedule 10 Type 316 <i>For Work In Restricted Working Space, Add</i>	332.60 62.15	103.65
40 05 23 43-1091 EA 4" Flange, Stainless Steel Schedule 10 Type 316 <i>For Work In Restricted Working Space, Add</i>	453.40 83.34	138.89
40 05 23 43-1092 EA 6" Flange, Stainless Steel Schedule 10 Type 316 <i>For Work In Restricted Working Space, Add</i>	686.55 124.26	207.30
40 05 23 43-1093 EA 8" Flange, Stainless Steel Schedule 10 Type 316 <i>For Work In Restricted Working Space, Add</i>	1,910.97 192.38	299.26
40 05 23 43-1094 Caps <small>(40 05 23 43-0968)</small>		
40 05 23 43-1095 EA 1/2" Cap, Stainless Steel Schedule 10 Type 316 <i>For Work In Restricted Working Space, Add</i>	71.50 14.31	23.84
40 05 23 43-1096 EA 3/4" Cap, Stainless Steel Schedule 10 Type 316 <i>For Work In Restricted Working Space, Add</i>	78.94 15.55	25.92
40 05 23 43-1097 EA 1" Cap, Stainless Steel Schedule 10 Type 316 <i>For Work In Restricted Working Space, Add</i>	99.32 20.53	34.21
40 05 23 43-1098 EA 1-1/4" Cap, Stainless Steel Schedule 10 Type 316 <i>For Work In Restricted Working Space, Add</i>	107.14 21.76	36.28
40 05 23 43-1099 EA 1-1/2" Cap, Stainless Steel Schedule 10 Type 316 <i>For Work In Restricted Working Space, Add</i>	120.00 24.88	41.46
40 05 23 43-1100 EA 2" Cap, Stainless Steel Schedule 10 Type 316 <i>For Work In Restricted Working Space, Add</i>	131.54 27.97	46.64
40 05 23 43-1101 EA 2-1/2" Cap, Stainless Steel Schedule 10 Type 316 <i>For Work In Restricted Working Space, Add</i>	163.68 35.76	59.60
40 05 23 43-1102 EA 3" Cap, Stainless Steel Schedule 10 Type 316 <i>For Work In Restricted Working Space, Add</i>	187.19 41.33	68.92
40 05 23 43-1103 EA 4" Cap, Stainless Steel Schedule 10 Type 316 <i>For Work In Restricted Working Space, Add</i>	271.00 55.35	92.25
40 05 23 43-1104 EA 6" Cap, Stainless Steel Schedule 10 Type 316 <i>For Work In Restricted Working Space, Add</i>	365.47 82.95	138.37
40 05 23 43-1105 Reducing Tees <small>(40 05 23 43-0968)</small>		
40 05 23 43-1106 EA 3/4" Reducing Tees, Stainless Steel Schedule 10 Type 316 <i>For Work In Restricted Working Space, Add</i>	196.00 37.64	75.15
40 05 23 43-1107 EA 1" Reducing Tees, Stainless Steel Schedule 10 Type 316 <i>For Work In Restricted Working Space, Add</i>	242.03 46.13	92.25

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 23 Stainless Steel Process Pipe and Tubing**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 43-1108 EA 1-1/4" Reducing Tees, Stainless Steel Schedule 10 Type 316 <i>For Work In Restricted Working Space, Add</i>	269.97 51.83	103.65
40 05 23 43-1109 EA 1-1/2" Reducing Tees, Stainless Steel Schedule 10 Type 316 <i>For Work In Restricted Working Space, Add</i>	303.08 59.08	118.17
40 05 23 43-1110 EA 2" Reducing Tees, Stainless Steel Schedule 10 Type 316 <i>For Work In Restricted Working Space, Add</i>	336.21 63.49	126.98
40 05 23 43-1111 EA 2-1/2" Reducing Tees, Stainless Steel Schedule 10 Type 316 <i>For Work In Restricted Working Space, Add</i>	480.59 69.19	138.37
40 05 23 43-1112 EA 3" Reducing Tees, Stainless Steel Schedule 10 Type 316 <i>For Work In Restricted Working Space, Add</i>	492.72 82.93	165.85
40 05 23 43-1113 EA 4" Reducing Tees, Stainless Steel Schedule 10 Type 316 <i>For Work In Restricted Working Space, Add</i>	610.35 103.65	207.30
40 05 23 43-1114 EA 6" Reducing Tees, Stainless Steel Schedule 10 Type 316 <i>For Work In Restricted Working Space, Add</i>	1,048.34 118.43	236.84
40 05 23 43-1115 EA 8" Reducing Tee, Stainless Steel Schedule 10 Type 316 <i>For Work In Restricted Working Space, Add</i>	1,784.27 160.32	299.26
40 05 23 43-1116 EA 10" Reducing Tee, Stainless Steel Schedule 10 Type 316 <i>For Work In Restricted Working Space, Add</i>	3,787.56 213.76	399.01
40 05 23 43-1117 EA 12" Reducing Tee, Stainless Steel Schedule 10 Type 316 <i>For Work In Restricted Working Space, Add</i>	4,958.49 320.63	598.52
40 05 23 43-1118 EA 14" Reducing Tee, Stainless Steel Schedule 10 Type 316 <i>For Work In Restricted Working Space, Add</i>	6,380.52 385.20	719.22
40 05 23 43-1119 EA 16" Reducing Tee, Stainless Steel Schedule 10 Type 316 <i>For Work In Restricted Working Space, Add</i>	7,001.87 469.88	877.33
40 05 23 43-1120 EA 18" Reducing Tee, Stainless Steel Schedule 10 Type 316 <i>For Work In Restricted Working Space, Add</i>	8,477.91 598.52	1,117.23
40 05 23 43-1121 EA 20" Reducing Tee, Stainless Steel Schedule 10 Type 316 <i>For Work In Restricted Working Space, Add</i>	11,262.22 787.53	1,470.07
40 05 23 43-1122 EA 24" Reducing Tee, Stainless Steel Schedule 10 Type 316 <i>For Work In Restricted Working Space, Add</i>	16,863.51 1,195.98	2,233.28
40 05 23 43-1123 Type 316 Schedule 40 Pipe And Welded Butt Fittings (40 05 23 43-0231)		
40 05 23 43-1124 Pipe (40 05 23 43-1123)		
40 05 23 43-1125 LF 1/2" Pipe, Stainless Steel Schedule 40 Type 316 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	19.48 2.80	4.66
40 05 23 43-1126 LF 3/4" Pipe, Stainless Steel Schedule 40 Type 316 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	23.67 3.42	5.70
40 05 23 43-1127 LF 1" Pipe, Stainless Steel Schedule 40 Type 316 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	28.94 4.01	6.74
40 05 23 43-1128 LF 1-1/4" Pipe, Stainless Steel Schedule 40 Type 316 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	36.18 5.02	8.29
40 05 23 43-1129 LF 1-1/2" Pipe, Stainless Steel Schedule 40 Type 316 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	41.64 5.66	9.33
40 05 23 43-1130 LF 2" Pipe, Stainless Steel Schedule 40 Type 316 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	53.29 7.01	11.92
40 05 23 43-1131 LF 2-1/2" Pipe, Stainless Steel Schedule 40 Type 316 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	65.93 8.00	13.47
40 05 23 43-1132 LF 3" Pipe, Stainless Steel Schedule 40 Type 316 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	64.59 9.01	15.03
40 05 23 43-1133 LF 4" Pipe, Stainless Steel Schedule 40 Type 316 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	105.44 10.67	17.62
40 05 23 43-1134 LF 6" Pipe, Stainless Steel Schedule 40 Type 316 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	163.44 14.01	23.33
40 05 23 43-1135 LF 8" Pipe, Stainless Steel Schedule 40 Type 316 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	281.76 24.49	37.90
40 05 23 43-1136 LF 10" Pipe, Stainless Steel Schedule 40 Type 316 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	356.63 26.93	41.90
40 05 23 43-1137 LF 12" Pipe, Stainless Steel Schedule 40 Type 316 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	444.43 29.93	46.38
40 05 23 43-1138 90 Degree Elbows (40 05 23 43-1123)		
40 05 23 43-1139 EA 1/2" 90 Degree Elbow, Stainless Steel Schedule 40 Type 316 <i>For Work In Restricted Working Space, Add</i>	139.00 35.45	59.08
40 05 23 43-1140 EA 3/4" 90 Degree Elbow, Stainless Steel Schedule 40 Type 316 <i>For Work In Restricted Working Space, Add</i>	146.25 37.62	62.71
40 05 23 43-1141 EA 1" 90 Degree Elbow, Stainless Steel Schedule 40 Type 316 <i>For Work In Restricted Working Space, Add</i>	161.51 41.36	68.92
40 05 23 43-1142 EA 1-1/4" 90 Degree Elbow, Stainless Steel Schedule 40, Type 316 <i>For Work In Restricted Working Space, Add</i>	185.72 45.11	75.15
40 05 23 43-1143 EA 1-1/2" 90 Degree Elbow, Stainless Steel Schedule 40, Type 316 <i>For Work In Restricted Working Space, Add</i>	195.22 49.71	82.92
40 05 23 43-1144 EA 2" 90 Degree Elbow, Stainless Steel Schedule 40 Type 316 <i>For Work In Restricted Working Space, Add</i>	223.95 55.38	92.25
40 05 23 43-1145 EA 2-1/2" 90 Degree Elbow, Stainless Steel Schedule 40, Type 316 <i>For Work In Restricted Working Space, Add</i>	318.03 70.82	118.17
40 05 23 43-1146 EA 3" 90 Degree Elbow, Stainless Steel Schedule 40 Type 316 <i>For Work In Restricted Working Space, Add</i>	387.62 82.91	138.37
40 05 23 43-1147 EA 4" 90 Degree Elbow, Stainless Steel Schedule 40 Type 316 <i>For Work In Restricted Working Space, Add</i>	527.89 99.35	165.85
40 05 23 43-1148 EA 6" 90 Degree Elbow, Stainless Steel Schedule 40 Type 316 <i>For Work In Restricted Working Space, Add</i>	1,069.53 124.12	207.30



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 43-1149 EA 8" 90 Degree Elbow, Stainless Steel Schedule 40 Type 316..... <i>For Work In Restricted Working Space, Add</i>	1,742.06 192.38	299.26
40 05 23 43-1150 EA 10" 90 Degree Elbow, Stainless Steel Schedule 40 Type 316..... <i>For Work In Restricted Working Space, Add</i>	3,185.42 256.51	399.01
40 05 23 43-1151 EA 12" 90 Degree Elbow, Stainless Steel Schedule 40 Type 316..... <i>For Work In Restricted Working Space, Add</i>	4,502.93 384.76	598.52
40 05 23 43-1152 45 Degree Elbows <small>(40 05 23 43-1123)</small>		
40 05 23 43-1153 EA 1/2" 45 Degree Elbow, Stainless Steel Schedule 40 Type 316..... <i>For Work In Restricted Working Space, Add</i>	147.67 35.45	59.08
40 05 23 43-1154 EA 3/4" 45 Degree Elbow, Stainless Steel Schedule 40 Type 316..... <i>For Work In Restricted Working Space, Add</i>	154.92 37.62	62.71
40 05 23 43-1155 EA 1" 45 Degree Elbow, Stainless Steel Schedule 40 Type 316..... <i>For Work In Restricted Working Space, Add</i>	167.36 41.36	68.92
40 05 23 43-1156 EA 1-1/4" 45 Degree Elbow, Stainless Steel Schedule 40, Type 316 <i>For Work In Restricted Working Space, Add</i>	179.75 45.07	75.15
40 05 23 43-1157 EA 1-1/2" 45 Degree Elbow, Stainless Steel Schedule 40, Type 316 <i>For Work In Restricted Working Space, Add</i>	205.26 49.77	82.92
40 05 23 43-1158 EA 2" 45 Degree Elbow, Stainless Steel Schedule 40 Type 316..... <i>For Work In Restricted Working Space, Add</i>	225.94 55.38	92.25
40 05 23 43-1159 EA 2-1/2" 45 Degree Elbow, Stainless Steel Schedule 40, Type 316 <i>For Work In Restricted Working Space, Add</i>	314.69 70.87	118.17
40 05 23 43-1160 EA 3" 45 Degree Elbow, Stainless Steel Schedule 40 Type 316..... <i>For Work In Restricted Working Space, Add</i>	355.19 83.02	138.37
40 05 23 43-1161 EA 4" 45 Degree Elbow, Stainless Steel Schedule 40 Type 316..... <i>For Work In Restricted Working Space, Add</i>	469.63 99.44	165.85
40 05 23 43-1162 EA 6" 45 Degree Elbow, Stainless Steel Schedule 40 Type 316..... <i>For Work In Restricted Working Space, Add</i>	808.08 124.38	207.30
40 05 23 43-1163 EA 8" 45 Degree Elbow, Stainless Steel Schedule 40 Type 316..... <i>For Work In Restricted Working Space, Add</i>	1,367.32 192.38	299.26
40 05 23 43-1164 EA 10" 45 Degree Elbow, Stainless Steel Schedule 40 Type 316..... <i>For Work In Restricted Working Space, Add</i>	2,248.58 256.51	399.01
40 05 23 43-1165 EA 12" 45 Degree Elbow, Stainless Steel Schedule 40 Type 316..... <i>For Work In Restricted Working Space, Add</i>	3,085.96 384.76	598.52
40 05 23 43-1166 Tees <small>(40 05 23 43-1123)</small>		
40 05 23 43-1167 EA 1/2" Tees, Stainless Steel Schedule 40 Type 316..... <i>For Work In Restricted Working Space, Add</i>	219.27 45.05	75.15
40 05 23 43-1168 EA 3/4" Tees, Stainless Steel Schedule 40 Type 316..... <i>For Work In Restricted Working Space, Add</i>	253.45 55.31	92.25
40 05 23 43-1169 EA 1" Tees, Stainless Steel Schedule 40 Type 316..... <i>For Work In Restricted Working Space, Add</i>	276.23 62.14	103.65
40 05 23 43-1170 EA 1-1/4" Tees, Stainless Steel Schedule 40 Type 316..... <i>For Work In Restricted Working Space, Add</i>	347.57 70.90	118.17
40 05 23 43-1171 EA 1-1/2" Tees, Stainless Steel Schedule 40 Type 316..... <i>For Work In Restricted Working Space, Add</i>	322.74 76.10	126.98
40 05 23 43-1172 EA 2" Tees, Stainless Steel Schedule 40 Type 316..... <i>For Work In Restricted Working Space, Add</i>	349.19 82.97	138.37
40 05 23 43-1173 EA 2-1/2" Tees, Stainless Steel Schedule 40 Type 316..... <i>For Work In Restricted Working Space, Add</i>	528.19 99.44	165.85
40 05 23 43-1174 EA 3" Tees, Stainless Steel Schedule 40 Type 316..... <i>For Work In Restricted Working Space, Add</i>	572.05 124.54	207.30
40 05 23 43-1175 EA 4" Tees, Stainless Steel Schedule 40 Type 316..... <i>For Work In Restricted Working Space, Add</i>	679.10 139.79	233.22
40 05 23 43-1176 EA 6" Tees, Stainless Steel Schedule 40 Type 316..... <i>For Work In Restricted Working Space, Add</i>	1,261.24 186.56	310.96
40 05 23 43-1177 EA 8" Tee, Stainless Steel Schedule 40 Type 316..... <i>For Work In Restricted Working Space, Add</i>	2,576.48 256.51	399.01
40 05 23 43-1178 EA 10" Tee, Stainless Steel Schedule 40 Type 316..... <i>For Work In Restricted Working Space, Add</i>	4,561.49 384.76	598.52
40 05 23 43-1179 EA 12" Tee, Stainless Steel Schedule 40 Type 316..... <i>For Work In Restricted Working Space, Add</i>	5,701.85 480.95	748.15
40 05 23 43-1180 Reducers <small>(40 05 23 43-1123)</small>		
40 05 23 43-1181 EA 3/4" Reducer, Stainless Steel Schedule 40 Type 316..... <i>For Work In Restricted Working Space, Add</i>	155.18 34.23	57.01
40 05 23 43-1182 EA 1" Reducer, Stainless Steel Schedule 40 Type 316..... <i>For Work In Restricted Working Space, Add</i>	171.79 37.30	62.19
40 05 23 43-1183 EA 1-1/4" Reducer, Stainless Steel Schedule 40 Type 316 <i>For Work In Restricted Working Space, Add</i>	211.91 41.35	68.92
40 05 23 43-1184 EA 1-1/2" Reducer, Stainless Steel Schedule 40 Type 316 <i>For Work In Restricted Working Space, Add</i>	181.94 45.07	75.15
40 05 23 43-1185 EA 2" Reducer, Stainless Steel Schedule 40 Type 316..... <i>For Work In Restricted Working Space, Add</i>	200.26 49.77	82.92
40 05 23 43-1186 EA 2-1/2" Reducer, Stainless Steel Schedule 40 Type 316 <i>For Work In Restricted Working Space, Add</i>	259.38 62.19	103.65
40 05 23 43-1187 EA 3" Reducer, Stainless Steel Schedule 40 Type 316..... <i>For Work In Restricted Working Space, Add</i>	287.54 70.80	118.17
40 05 23 43-1188 EA 4" Reducer, Stainless Steel Schedule 40 Type 316..... <i>For Work In Restricted Working Space, Add</i>	334.70 82.97	138.37

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 23 Stainless Steel Process Pipe and Tubing**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 43-1189 EA 6" Reducer, Stainless Steel Schedule 40 Type 316.....	431.36	176.21
<i>For Work In Restricted Working Space, Add</i>	105.62	
40 05 23 43-1190 EA 8" Reducer, Stainless Steel Schedule 40 Type 316.....	876.45	239.41
<i>For Work In Restricted Working Space, Add</i>	153.91	
40 05 23 43-1191 EA 10" Reducer, Stainless Steel Schedule 40 Type 316.....	1,146.74	299.26
<i>For Work In Restricted Working Space, Add</i>	192.38	
40 05 23 43-1192 EA 12" Reducer, Stainless Steel Schedule 40 Type 316.....	1,524.27	399.01
<i>For Work In Restricted Working Space, Add</i>	256.51	
40 05 23 43-1193 Flanges <small>(40 05 23 43-1123)</small>		
40 05 23 43-1194 EA 1/2" Flanges, Stainless Steel Schedule 40 Type 316	87.82	23.84
<i>For Work In Restricted Working Space, Add</i>	14.31	
40 05 23 43-1195 EA 3/4" Flanges, Stainless Steel Schedule 40 Type 316	91.96	25.92
<i>For Work In Restricted Working Space, Add</i>	15.55	
40 05 23 43-1196 EA 1" Flanges, Stainless Steel Schedule 40 Type 316	109.59	34.73
<i>For Work In Restricted Working Space, Add</i>	20.84	
40 05 23 43-1197 EA 1-1/4" Flanges, Stainless Steel Schedule 40 Type 316	122.05	36.28
<i>For Work In Restricted Working Space, Add</i>	21.76	
40 05 23 43-1198 EA 1-1/2" Flanges, Stainless Steel Schedule 40 Type 316	141.78	41.46
<i>For Work In Restricted Working Space, Add</i>	24.88	
40 05 23 43-1199 EA 2" Flanges, Stainless Steel Schedule 40 Type 316	169.50	46.64
<i>For Work In Restricted Working Space, Add</i>	27.97	
40 05 23 43-1200 EA 2-1/2" Flanges, Stainless Steel Schedule 40 Type 316	230.22	59.60
<i>For Work In Restricted Working Space, Add</i>	35.76	
40 05 23 43-1201 EA 3" Flanges, Stainless Steel Schedule 40 Type 316	254.17	68.92
<i>For Work In Restricted Working Space, Add</i>	41.33	
40 05 23 43-1202 EA 4" Flanges, Stainless Steel Schedule 40 Type 316	348.47	93.29
<i>For Work In Restricted Working Space, Add</i>	55.97	
40 05 23 43-1203 EA 6" Flanges, Stainless Steel Schedule 40 Type 316	528.01	138.37
<i>For Work In Restricted Working Space, Add</i>	82.95	
40 05 23 43-1204 EA 8" Flange, Stainless Steel Schedule 40 Type 316	951.27	149.63
<i>For Work In Restricted Working Space, Add</i>	96.19	
40 05 23 43-1205 EA 10" Flange, Stainless Steel Schedule 40 Type 316	1,466.28	174.57
<i>For Work In Restricted Working Space, Add</i>	112.22	
40 05 23 43-1206 EA 12" Flange, Stainless Steel Schedule 40 Type 316	2,040.27	199.51
<i>For Work In Restricted Working Space, Add</i>	128.25	
40 05 23 43-1207 Slip-On Flanges <small>(40 05 23 43-1123)</small>		
40 05 23 43-1208 EA 1/2" Flange, Stainless Steel Schedule 40 Type 316	145.45	51.82
<i>For Work In Restricted Working Space, Add</i>	31.10	
40 05 23 43-1209 EA 3/4" Flange, Stainless Steel Schedule 40 Type 316	151.08	51.82
<i>For Work In Restricted Working Space, Add</i>	31.10	
40 05 23 43-1210 EA 1" Flange, Stainless Steel Schedule 40 Type 316	178.36	63.74
<i>For Work In Restricted Working Space, Add</i>	38.26	
40 05 23 43-1211 EA 1-1/4" Flange, Stainless Steel Schedule 40 Type 316	196.69	68.92
<i>For Work In Restricted Working Space, Add</i>	41.35	
40 05 23 43-1212 EA 1-1/2" Flange, Stainless Steel Schedule 40 Type 316	219.58	75.67
<i>For Work In Restricted Working Space, Add</i>	45.40	
40 05 23 43-1213 EA 2" Flange, Stainless Steel Schedule 40 Type 316	256.70	82.92
<i>For Work In Restricted Working Space, Add</i>	49.72	
40 05 23 43-1214 EA 2-1/2" Flange, Stainless Steel Schedule 40 Type 316	317.69	93.29
<i>For Work In Restricted Working Space, Add</i>	55.97	
40 05 23 43-1215 EA 3" Flange, Stainless Steel Schedule 40 Type 316	347.65	103.65
<i>For Work In Restricted Working Space, Add</i>	62.15	
40 05 23 43-1216 EA 4" Flange, Stainless Steel Schedule 40 Type 316	474.47	138.89
<i>For Work In Restricted Working Space, Add</i>	83.34	
40 05 23 43-1217 EA 6" Flange, Stainless Steel Schedule 40 Type 316	719.23	207.30
<i>For Work In Restricted Working Space, Add</i>	124.26	
40 05 23 43-1218 EA 8" Flange, Stainless Steel Schedule 40 Type 316	2,063.33	299.26
<i>For Work In Restricted Working Space, Add</i>	192.38	
40 05 23 43-1219 Caps <small>(40 05 23 43-1123)</small>		
40 05 23 43-1220 EA 1/2" Cap, Stainless Steel Schedule 40 Type 316.....	74.35	23.84
<i>For Work In Restricted Working Space, Add</i>	14.31	
40 05 23 43-1221 EA 3/4" Cap, Stainless Steel Schedule 40 Type 316.....	82.20	25.92
<i>For Work In Restricted Working Space, Add</i>	15.55	
40 05 23 43-1222 EA 1" Cap, Stainless Steel Schedule 40 Type 316.....	103.03	34.21
<i>For Work In Restricted Working Space, Add</i>	20.53	
40 05 23 43-1223 EA 1-1/4" Cap, Stainless Steel Schedule 40 Type 316	111.29	36.28
<i>For Work In Restricted Working Space, Add</i>	21.76	
40 05 23 43-1224 EA 1-1/2" Cap, Stainless Steel Schedule 40 Type 316	124.45	41.46
<i>For Work In Restricted Working Space, Add</i>	24.88	
40 05 23 43-1225 EA 2" Cap, Stainless Steel Schedule 40 Type 316.....	136.13	46.64
<i>For Work In Restricted Working Space, Add</i>	27.97	
40 05 23 43-1226 EA 2-1/2" Cap, Stainless Steel Schedule 40 Type 316	169.02	59.60
<i>For Work In Restricted Working Space, Add</i>	35.76	
40 05 23 43-1227 EA 3" Cap, Stainless Steel Schedule 40 Type 316.....	193.12	68.92
<i>For Work In Restricted Working Space, Add</i>	41.33	
40 05 23 43-1228 EA 4" Cap, Stainless Steel Schedule 40 Type 316.....	281.38	92.25
<i>For Work In Restricted Working Space, Add</i>	55.35	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 43-1229 EA 6" Cap, Stainless Steel Schedule 40 Type 316 <i>For Work In Restricted Working Space, Add</i>	376.14 82.95	138.37
40 05 23 43-1230 Reducing Tees <small>(40 05 23 43-1123)</small>		
40 05 23 43-1231 EA 1/2" Reducing Tees, Stainless Steel Schedule 40 Type 316 <i>For Work In Restricted Working Space, Add</i>	201.11 37.53	75.15
40 05 23 43-1232 EA 3/4" Reducing Tees, Stainless Steel Schedule 40 Type 316 <i>For Work In Restricted Working Space, Add</i>	229.58 46.07	92.25
40 05 23 43-1233 EA 1" Reducing Tees, Stainless Steel Schedule 40 Type 316 <i>For Work In Restricted Working Space, Add</i>	248.61 51.78	103.65
40 05 23 43-1234 EA 1-1/4" Reducing Tees, Stainless Steel Schedule 40 Type 316 <i>For Work In Restricted Working Space, Add</i>	319.22 59.05	118.17
40 05 23 43-1235 EA 1-1/2" Reducing Tees, Stainless Steel Schedule 40 Type 316 <i>For Work In Restricted Working Space, Add</i>	287.29 63.39	126.98
40 05 23 43-1236 EA 2" Reducing Tees, Stainless Steel Schedule 40 Type 316 <i>For Work In Restricted Working Space, Add</i>	310.33 69.14	138.37
40 05 23 43-1237 EA 2-1/2" Reducing Tees, Stainless Steel Schedule 40 Type 316 <i>For Work In Restricted Working Space, Add</i>	492.55 82.84	165.85
40 05 23 43-1238 EA 3" Reducing Tees, Stainless Steel Schedule 40 Type 316 <i>For Work In Restricted Working Space, Add</i>	518.67 103.82	207.30
40 05 23 43-1239 EA 4" Reducing Tees, Stainless Steel Schedule 40 Type 316 <i>For Work In Restricted Working Space, Add</i>	622.82 116.51	233.22
40 05 23 43-1240 EA 6" Reducing Tees, Stainless Steel Schedule 40 Type 316 <i>For Work In Restricted Working Space, Add</i>	1,221.17 155.35	310.96
40 05 23 43-1241 EA 8" Reducing Tee, Stainless Steel Schedule 40 Type 316 <i>For Work In Restricted Working Space, Add</i>	2,606.11 213.76	399.01
40 05 23 43-1242 EA 10" Reducing Tee, Stainless Steel Schedule 40 Type 316 <i>For Work In Restricted Working Space, Add</i>	4,675.62 320.63	598.52
40 05 23 43-1243 EA 12" Reducing Tee, Stainless Steel Schedule 40 Type 316 <i>For Work In Restricted Working Space, Add</i>	5,844.53 400.79	748.15
40 05 23 43-1244 Valves <small>(40 05 23 43-0231)</small>		
40 05 23 43-1245 Gate Valves, Class 150 <small>(40 05 23 43-1244)</small>		
40 05 23 43-1246 EA 1/2" Gate Valve, Stainless Steel, Flanged <i>For Work In Restricted Working Space, Add</i> <i>For Class 200, Deduct</i> <i>For Class 300, Add</i>	529.24 31.77 -113.24 397.94	52.95
40 05 23 43-1247 EA 3/4" Gate Valve, Stainless Steel, Flanged <i>For Work In Restricted Working Space, Add</i> <i>For Class 200, Deduct</i> <i>For Class 300, Add</i>	567.15 33.44 -121.90 428.35	55.73
40 05 23 43-1248 EA 1" Gate Valve, Stainless Steel, Flanged <i>For Work In Restricted Working Space, Add</i> <i>For Class 200, Deduct</i> <i>For Class 300, Add</i>	665.91 33.44 -148.31 521.17	55.73
40 05 23 43-1249 EA 1-1/4" Gate Valve, Stainless Steel, Flanged <i>For Work In Restricted Working Space, Add</i> <i>For Class 200, Deduct</i> <i>For Class 300, Add</i>	856.43 44.48 -189.44 665.68	74.13
40 05 23 43-1250 EA 1-1/2" Gate Valve, Stainless Steel, Flanged <i>For Work In Restricted Working Space, Add</i> <i>For Class 200, Deduct</i> <i>For Class 300, Add</i>	971.18 55.85 -210.00 737.93	93.07
40 05 23 43-1251 EA 2" Gate Valve, Stainless Steel, Flanged <i>For Work In Restricted Working Space, Add</i> <i>For Class 200, Deduct</i> <i>For Class 300, Add</i>	1,176.50 74.24 -248.51 873.28	123.72
40 05 23 43-1252 EA 2-1/2" Gate Valve, Stainless Steel, Flanged <i>For Work In Restricted Working Space, Add</i> <i>For Class 300, Add</i>	1,704.86 95.65 1,302.86	159.40
40 05 23 43-1253 EA 3" Gate Valve, Stainless Steel, Flanged <i>For Work In Restricted Working Space, Add</i> <i>For Class 300, Add</i>	1,925.02 111.32 1,460.73	185.59
40 05 23 43-1254 EA 4" Gate Valve, Stainless Steel, Flanged <i>For Work In Restricted Working Space, Add</i> <i>For Class 300, Add</i>	2,462.62 142.42 1,868.63	237.42
40 05 23 43-1255 EA 6" Gate Valve, Stainless Steel, Flanged <i>For Work In Restricted Working Space, Add</i> <i>For Class 300, Add</i>	4,012.76 167.20 3,248.11	278.66
40 05 23 43-1256 EA 8" Gate Valve, Stainless Steel, Flanged <i>For Work In Restricted Working Space, Add</i> <i>For Class 300, Add</i>	8,543.63 190.86 7,432.97	318.24
40 05 23 43-1257 EA 10" Gate Valve, Stainless Steel, Flanged <i>For Work In Restricted Working Space, Add</i> <i>For Class 300, Add</i>	12,018.60 234.17 10,563.75	390.13
40 05 23 43-1258 EA 12" Gate Valve, Stainless Steel, Flanged <i>For Work In Restricted Working Space, Add</i> <i>For Class 300, Add</i>	18,048.51 283.68 16,076.74	472.61
40 05 23 43-1259 Globe Valves, Class 150 <small>(40 05 23 43-1244)</small>		

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 23 Stainless Steel Process Pipe and Tubing**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 43-1260 EA 1/2" Globe Valve, Stainless Steel, Flanged.....	703.88	52.95
For Work In Restricted Working Space, Add	31.76	
For Class 200, Deduct	-159.97	
For Class 300, Add	562.15	
40 05 23 43-1261 EA 3/4" Globe Valve, Stainless Steel, Flanged.....	770.15	55.73
For Work In Restricted Working Space, Add	33.44	
For Class 200, Deduct	-176.20	
For Class 300, Add	619.17	
40 05 23 43-1262 EA 1" Globe Valve, Stainless Steel, Flanged.....	931.70	58.51
For Work In Restricted Working Space, Add	35.10	
For Class 200, Deduct	-217.93	
For Class 300, Add	765.82	
40 05 23 43-1263 EA 1-1/2" Globe Valve, Stainless Steel, Flanged.....	1,399.47	93.07
For Work In Restricted Working Space, Add	55.83	
For Class 200, Deduct	-324.58	
For Class 300, Add	1,140.58	
40 05 23 43-1264 EA 2" Globe Valve, Stainless Steel, Flanged.....	1,729.53	123.72
For Work In Restricted Working Space, Add	74.24	
For Class 200, Deduct	-396.45	
For Class 300, Add	1,393.15	
40 05 23 43-1265 EA 2-1/2" Globe Valve, Stainless Steel, Flanged.....	3,438.84	159.40
For Work In Restricted Working Space, Add	95.61	
For Class 300, Add	2,932.94	
40 05 23 43-1266 EA 3" Globe Valve, Stainless Steel, Flanged.....	3,577.87	185.59
For Work In Restricted Working Space, Add	111.32	
For Class 300, Add	3,014.41	
40 05 23 43-1267 EA 4" Globe Valve, Stainless Steel, Flanged.....	4,201.55	237.42
For Work In Restricted Working Space, Add	142.42	
For Class 300, Add	3,503.22	
40 05 23 43-1268 EA 6" Globe Valve, Stainless Steel, Flanged.....	7,620.97	278.66
For Work In Restricted Working Space, Add	167.20	
For Class 300, Add	6,639.83	
40 05 23 43-1269 Check Valves, Class 150 (40 05 23 43-1244)		
40 05 23 43-1270 EA 2-1/2" Check Valve, Stainless Steel, Flanged.....	1,638.19	159.40
For Work In Restricted Working Space, Add	95.61	
For Class 300, Add	1,240.33	
40 05 23 43-1271 EA 3" Check Valve, Stainless Steel, Flanged.....	1,731.70	185.59
For Work In Restricted Working Space, Add	111.32	
For Class 300, Add	1,279.01	
40 05 23 43-1272 EA 4" Check Valve, Stainless Steel, Flanged.....	2,592.29	237.42
For Work In Restricted Working Space, Add	142.42	
For Class 300, Add	1,990.52	
40 05 23 43-1273 EA 6" Check Valve, Stainless Steel, Flanged.....	4,341.92	278.66
For Work In Restricted Working Space, Add	167.20	
For Class 300, Add	3,557.52	
40 05 23 43-1274 EA 8" Check Valve, Stainless Steel, Flanged.....	7,484.53	318.24
For Work In Restricted Working Space, Add	190.86	
For Class 300, Add	6,437.42	
40 05 23 43-1275 Type 316 Seamless Annealed Tubing (40 05 23 43)		
Note: For high pressure air (8000 PSIG working pressure).		
40 05 23 43-1276 Type 316 Seamless Annealed Tubing (40 05 23 43-1275)		
40 05 23 43-1277 LF 3/8" Outside Diameter Stainless Steel Type 316 Seamless, Annealed, .065 Wall Thickness.....	17.67	
40 05 23 43-1278 LF 1/2" Outside Diameter Stainless Steel Type 316 Seamless, Annealed, .083 Wall Thickness.....	21.45	
40 05 23 43-1279 LF 3/4" Outside Diameter Stainless Steel Type 316 Seamless, Annealed, .120 Wall Thickness.....	25.82	
40 05 23 43-1280 Type 316 Seamless Annealed Tubing Fittings (40 05 23 43-1275)		
Note: Pressure rating 5000 PSI minimum. Includes front and back ferrules.		
40 05 23 43-1281 EA 3/8" Tube Outside Diameter X 3/8" NPT Stainless Steel Male Connector With Front And Back Ferrules.....	61.01	
40 05 23 43-1282 EA 3/8" Tube Outside Diameter X 3/8" NPT Stainless Steel Male Elbow With Front And Back Ferrules.....	61.90	
40 05 23 43-1283 EA 3/8" Tube Outside Diameter X 3/8" NPT Stainless Steel Male Tee With Front And Back Ferrules.....	94.71	
40 05 23 43-1284 EA 3/8" Outside Diameter Stainless Steel Union Elbow With Front And Back Ferrules.....	53.55	
40 05 23 43-1285 EA 3/8" Outside Diameter Stainless Steel Union Tee With Front And Back Ferrules.....	88.51	
40 05 23 43-1286 EA 1/2" Tube Outside Diameter X 1/2" NPT Stainless Steel Male Connector With Front And Back Ferrules.....	69.02	
40 05 23 43-1287 EA 1/2" Tube Outside Diameter X 1/2" NPT Stainless Steel Male Elbow With Front And Back Ferrules.....	82.20	
40 05 23 43-1288 EA 1/2" Tube Outside Diameter X 1/2" NPT Stainless Steel Male Branch Tee With Front And Back Ferrules.....	126.31	
40 05 23 43-1289 EA 1/2" Outside Diameter Stainless Steel Union Elbow With Front And Back Ferrules.....	79.73	
40 05 23 43-1290 EA 1/2" Outside Diameter Stainless Steel Union Tee With Front And Back Ferrules.....	124.31	
40 05 23 43-1291 EA 3/4" Tube Outside Diameter X 3/4" NPT Stainless Steel Male Connector With Front And Back Ferrules.....	80.50	
40 05 23 43-1292 EA 3/4" Tube Outside Diameter X 3/4" NPT Stainless Steel Male Elbow With Front And Back Ferrules.....	102.66	
40 05 23 43-1293 EA 3/4" Tube Outside Diameter X 3/4" NPT Stainless Steel Male Branch Tee With Front And Back Ferrules.....	168.17	
40 05 23 43-1294 EA 3/4" Outside Diameter Stainless Steel Union Elbow With Front And Back Ferrules.....	137.76	
40 05 23 43-1295 EA 3/4" Outside Diameter Stainless Steel Union Tee With Front And Back Ferrules.....	170.72	
40 05 23 43-1296 Valves For High Pressure Air (5,000 PSIG) (40 05 23 43-1275)		
40 05 23 43-1297 Needle Valves (40 05 23 43-1296)		
40 05 23 43-1298 EA 3/8" Tube Fitting Outside Diameter Stainless Steel With Needle Valve Cartridge.....	292.84	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 43-1299 EA 1/2" Tube Fitting Outside Diameter Stainless Steel With Needle Valve Cartridge.....	460.60	
40 05 23 43-1300 Safety Valve (Code Stamped) Work Pressure, 6,000 PSIG (40 05 23 43-1296)		
40 05 23 43-1301 EA 1/4" NPT Inlet, Safety Valve Spring Loaded 316 Stainless Steel Construction.....	279.81	
40 05 23 43-1302 Other Valves Working Pressure 6,000 PSI (40 05 23 43-1296)		
40 05 23 43-1303 EA 1/4" NPT Pressure Reducing Valve Spring Loaded, Stainless Steel Body, 6,000 PSIG.....	1,134.21	
40 05 23 43-1304 EA 1/4" NPT Pressure Gauge, Liquid Filled, 6,000 PSIG, Blow Out Back	290.71	
40 05 23 43-1305 EA Snubber 316 Stainless Steel Body, Rated For Design Pressure With Sinterec Element.....	59.94	
40 05 41 Glass Process Pipe (40 05)		
40 05 41 00-0001 Glass Pressure Pipe (40 05 41)		
40 05 41 00-0002 Glass Pipe, Beaded Joints (40 05 41 00-0001)		
40 05 41 00-0003 LF 1/2" Glass Pipe, Pressure.....	37.01	15.38
For Work In Restricted Working Space, Add	9.23	
40 05 41 00-0004 LF 3/4" Glass Pipe, Pressure.....	44.40	18.46
For Work In Restricted Working Space, Add	11.08	
40 05 41 00-0005 LF 1" Glass Pipe, Pressure.....	50.76	20.51
For Work In Restricted Working Space, Add	12.31	
40 05 41 00-0006 LF 1-1/2" Glass Pipe, Pressure.....	67.57	27.70
For Work In Restricted Working Space, Add	16.61	
40 05 41 00-0007 LF 2" Glass Pipe, Pressure.....	81.77	32.82
For Work In Restricted Working Space, Add	19.69	
40 05 41 00-0008 LF 3" Glass Pipe, Pressure.....	98.93	37.95
For Work In Restricted Working Space, Add	22.77	
40 05 41 00-0009 LF 4" Glass Pipe, Pressure.....	134.82	51.28
For Work In Restricted Working Space, Add	30.77	
40 05 41 00-0010 LF 6" Glass Pipe, Pressure.....	180.95	61.53
For Work In Restricted Working Space, Add	36.92	
40 05 41 00-0011 Glass 90 Degree Elbows (40 05 41 00-0001)		
40 05 41 00-0012 EA 1/2" 90 Degree Elbow, Glass, Pressure.....	178.67	82.05
For Work In Restricted Working Space, Add	49.23	
40 05 41 00-0013 EA 3/4" 90 Degree Elbow, Glass, Pressure.....	191.52	87.18
For Work In Restricted Working Space, Add	52.31	
40 05 41 00-0014 EA 1" 90 Degree Elbow, Glass, Pressure.....	207.06	92.31
For Work In Restricted Working Space, Add	55.38	
40 05 41 00-0015 EA 1-1/2" 90 Degree Elbow, Glass, Pressure.....	229.06	102.56
For Work In Restricted Working Space, Add	61.54	
40 05 41 00-0016 EA 2" 90 Degree Elbow, Glass, Pressure.....	257.58	112.81
For Work In Restricted Working Space, Add	67.70	
40 05 41 00-0017 EA 3" 90 Degree Elbow, Glass, Pressure.....	317.52	133.33
For Work In Restricted Working Space, Add	79.99	
40 05 41 00-0018 EA 4" 90 Degree Elbow, Glass, Pressure.....	357.97	143.59
For Work In Restricted Working Space, Add	86.14	
40 05 41 00-0019 EA 6" 90 Degree Elbow, Glass, Pressure.....	512.79	164.10
For Work In Restricted Working Space, Add	98.47	
40 05 41 00-0020 Glass 45 Degree Elbows (40 05 41 00-0001)		
40 05 41 00-0021 EA 1/2" 45 Degree Elbow, Glass, Pressure.....	178.08	82.05
For Work In Restricted Working Space, Add	49.23	
40 05 41 00-0022 EA 3/4" 45 Degree Elbow, Glass, Pressure.....	190.84	87.18
For Work In Restricted Working Space, Add	52.31	
40 05 41 00-0023 EA 1" 45 Degree Elbow, Glass, Pressure.....	206.15	92.31
For Work In Restricted Working Space, Add	55.38	
40 05 41 00-0024 EA 1-1/2" 45 Degree Elbow, Glass, Pressure.....	228.11	102.56
For Work In Restricted Working Space, Add	61.54	
40 05 41 00-0025 EA 2" 45 Degree Elbow, Glass, Pressure.....	256.26	112.81
For Work In Restricted Working Space, Add	67.68	
40 05 41 00-0026 EA 3" 45 Degree Elbow, Glass, Pressure.....	315.52	133.33
For Work In Restricted Working Space, Add	80.00	
40 05 41 00-0027 EA 4" 45 Degree Elbow, Glass, Pressure.....	355.13	143.59
For Work In Restricted Working Space, Add	86.14	
40 05 41 00-0028 EA 6" 45 Degree Elbow, Glass, Pressure.....	505.29	164.10
For Work In Restricted Working Space, Add	98.43	
40 05 41 00-0029 Glass Tees (40 05 41 00-0001)		
40 05 41 00-0030 EA 1/2" Tee, Glass, Pressure.....	271.13	123.08
For Work In Restricted Working Space, Add	73.86	
40 05 41 00-0031 EA 3/4" Tee, Glass, Pressure.....	291.94	133.33
For Work In Restricted Working Space, Add	80.00	
40 05 41 00-0032 EA 1" Tee, Glass, Pressure.....	315.07	143.59
For Work In Restricted Working Space, Add	86.14	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 41 Glass Process Pipe**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 41 00-0033 EA 1-1/2" Tee, Glass, Pressure..... <i>For Work In Restricted Working Space, Add</i>	348.52 92.29	153.84
40 05 41 00-0034 EA 2" Tee, Glass, Pressure..... <i>For Work In Restricted Working Space, Add</i>	386.38 101.55	169.23
40 05 41 00-0035 EA 3" Tee, Glass, Pressure..... <i>For Work In Restricted Working Space, Add</i>	469.11 123.08	205.12
40 05 41 00-0036 EA 4" Tee, Glass, Pressure..... <i>For Work In Restricted Working Space, Add</i>	529.34 129.17	215.27
40 05 41 00-0037 EA 6" Tee, Glass, Pressure..... <i>For Work In Restricted Working Space, Add</i>	664.74 147.64	246.05
40 05 41 00-0038 Glass Couplings, Vitron Liner <small>(40 05 41 00-0001)</small>		
40 05 41 00-0039 EA 1/2" Coupling, Vitron Liner, Glass.....	20.95	
40 05 41 00-0040 EA 3/4" Coupling, Vitron Liner, Glass.....	23.94	
40 05 41 00-0041 EA 1" Coupling, Vitron Liner, Glass.....	27.94	
40 05 41 00-0042 EA 1-1/2" Coupling, Vitron Liner, Glass.....	31.93	
40 05 41 00-0043 EA 2" Coupling, Vitron Liner, Glass.....	38.41	
40 05 41 00-0044 EA 3" Coupling, Vitron Liner, Glass.....	70.34	
40 05 41 00-0045 EA 4" Coupling, Vitron Liner, Glass.....	84.80	
40 05 41 00-0046 EA 6" Coupling, Vitron Liner, Glass.....	169.61	

END OF SECTION 40



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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41 Material Processing And Handling Equipment

41 01 Operation And Maintenance Of Material Processing And Handling Equipment ⁽⁴¹⁾

41 01 20 Operation And Maintenance Of Piece Material Handling Equipment ^(41 01)

41 01 20 00-0001 Maintenance ^(41 01 20)

41 01 20 00-0002	EA	Regular Inspection.....	341.35
41 01 20 00-0003	HR	Hoist Or Crane Servicing, Labor Only.....	98.47
41 01 20 00-0004	MO	Hoist Or Crane Maintenance Contract.....	581.75

41 20 Piece Material Handling Equipment ⁽⁴¹⁾

41 22 Cranes And Hoists ^(41 20)

41 22 23 Hoists ^(41 22)

41 22 23 13 Fixed Hoists ^(41 22 23)

41 22 23 13-0001 Air-Powered Chain Hoists ^(41 22 23 13)

Note: Excludes beam.

41 22 23 13-0002	EA	500 LB Capacity, Air-Powered Chain Hoist.....	3,733.60	315.76
41 22 23 13-0003	EA	1,000 LB Capacity, Air-Powered Chain Hoist.....	3,774.48	315.76
41 22 23 13-0004	EA	2,000 LB Capacity, Air-Powered Chain Hoist.....	4,519.50	315.76
41 22 23 13-0005	EA	4,000 LB Capacity, Air-Powered Chain Hoist.....	5,699.73	421.01
41 22 23 13-0006	EA	6,000 LB Capacity, Air-Powered Chain Hoist.....	7,205.94	526.27
41 22 23 13-0007	EA	8,000 LB Capacity, Air-Powered Chain Hoist.....	8,494.83	773.40
41 22 23 13-0008	EA	10,000 LB Capacity, Air-Powered Chain Hoist.....	9,832.06	934.12
41 22 23 13-0009	EA	12,000 LB Capacity, Air-Powered Chain Hoist.....	10,909.33	934.12

41 22 23 13-0010 Electric Hoists ^(41 22 23 13)

41 22 23 13-0011 Electric Industrial Chain Hoists ^(41 22 23 13-0010)

Note: Includes 20' of chain. Excludes beams. See CSI section 05 59 65 00-0001 for additional chain.

41 22 23 13-0012	EA	500 LB Capacity, Electric Industrial Chain Hoist.....	2,698.13	305.23
		<i>For DC Electrical Operated, Add</i>	521.45	
		<i>For Each LF Copper Conductor Bar, Add</i>	10.50	
41 22 23 13-0013	EA	1,000 LB Capacity, Electric Industrial Chain Hoist.....	2,812.49	305.23
		<i>For DC Electrical Operated, Add</i>	549.63	
		<i>For Each LF Copper Conductor Bar, Add</i>	10.50	
41 22 23 13-0014	EA	2,000 LB Capacity, Electric Industrial Chain Hoist.....	3,101.24	305.23
		<i>For DC Electrical Operated, Add</i>	619.30	
		<i>For Each LF Copper Conductor Bar, Add</i>	10.50	
41 22 23 13-0015	EA	3,000 LB Capacity, Electric Industrial Chain Hoist.....	4,634.04	315.76
		<i>For DC Electrical Operated, Add</i>	995.84	
		<i>For Each LF Copper Conductor Bar, Add</i>	10.50	
41 22 23 13-0016	EA	4,000 LB Capacity, Electric Industrial Chain Hoist.....	4,007.38	315.76
		<i>For DC Electrical Operated, Add</i>	837.29	
		<i>For Each LF Copper Conductor Bar, Add</i>	10.50	
41 22 23 13-0017	EA	5,000 LB Capacity, Electric Industrial Chain Hoist.....	5,694.82	326.28
		<i>For DC Electrical Operated, Add</i>	1,250.68	
		<i>For Each LF Copper Conductor Bar, Add</i>	10.50	
41 22 23 13-0018	EA	6,000 LB Capacity, Electric Industrial Chain Hoist.....	5,175.98	357.86
		<i>For DC Electrical Operated, Add</i>	1,091.52	
		<i>For Each LF Copper Conductor Bar, Add</i>	10.50	
41 22 23 13-0019	EA	7,500 LB Capacity, Electric Industrial Chain Hoist.....	6,376.98	442.06
		<i>For DC Electrical Operated, Add</i>	1,386.61	
		<i>For Each LF Copper Conductor Bar, Add</i>	10.50	
41 22 23 13-0020	EA	10,000 LB Capacity, Electric Industrial Chain Hoist.....	7,520.28	457.91
		<i>For DC Electrical Operated, Add</i>	1,682.02	
		<i>For Each LF Copper Conductor Bar, Add</i>	10.50	
41 22 23 13-0021	EA	15,000 LB Capacity, Electric Industrial Chain Hoist.....	12,063.02	477.83
		<i>For DC Electrical Operated, Add</i>	2,776.63	
		<i>For Each LF Copper Conductor Bar, Add</i>	10.50	
41 22 23 13-0022	EA	20,000 LB Capacity, Electric Industrial Chain Hoist.....	14,435.44	497.74
		<i>For DC Electrical Operated, Add</i>	3,359.39	
		<i>For Each LF Copper Conductor Bar, Add</i>	10.50	
41 22 23 13-0023	EA	25,000 LB Capacity, Electric Industrial Chain Hoist.....	19,933.98	517.64
		<i>For DC Electrical Operated, Add</i>	4,723.40	
		<i>For Each LF Copper Conductor Bar, Add</i>	10.50	
41 22 23 13-0024	EA	30,000 LB Capacity, Electric Industrial Chain Hoist.....	25,491.30	567.42
		<i>For DC Electrical Operated, Add</i>	6,087.72	
		<i>For Each LF Copper Conductor Bar, Add</i>	10.50	

41 Material Processing And Handling Equipment**41 20 Piece Material Handling Equipment****41 22 Cranes And Hoists**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
41 22 23 13-0025		Hand Chain Hoists <small>(41 22 23 13)</small>			
41 22 23 13-0026	EA	1,000 LB Capacity, Hand Chain Hoist.....	994.72		123.79
41 22 23 13-0027	EA	2,000 LB Capacity, Hand Chain Hoist.....	1,158.10		125.48
41 22 23 13-0028	EA	3,000 LB Capacity, Hand Chain Hoist.....	1,529.21		131.41
41 22 23 13-0029	EA	4,000 LB Capacity, Hand Chain Hoist.....	1,711.17		133.12
41 22 23 13-0030	EA	5,000 LB Capacity, Hand Chain Hoist.....	2,050.98		139.90
41 22 23 13-0031	EA	6,000 LB Capacity, Hand Chain Hoist.....	2,301.69		163.63
41 22 23 13-0032	EA	10,000 LB Capacity, Hand Chain Hoist.....	3,152.15		168.72
41 22 23 13-0033	EA	16,000 LB Capacity, Hand Chain Hoist.....	4,104.83		203.49
41 22 23 13-0034	EA	20,000 LB Capacity, Hand Chain Hoist.....	4,989.25		212.81
41 22 23 13-0035	EA	30,000 LB Capacity, Hand Chain Hoist.....	8,703.65		243.34

END OF SECTION 41



Process Gas and Liquid Handling, Purification, and Storage Equipment	43	43
Liquid Handling Equipment	43 20	
Dry Location Liquid Pumps	43 23	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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43 Process Gas and Liquid Handling, Purification, and Storage Equipment

43 20 Liquid Handling Equipment ⁽⁴³⁾

43 23 Dry Location Liquid Pumps ^(43 20)

43 23 78 Controlled Volume Horizontal Reciprocating Pumps ^(43 23)

43 23 78 31 Controlled Volume Horizontal Mechanically-Coupled Diaphragm Simplex Reciprocating Pumps ^(43 23 78)

43 23 78 31-0001 Diaphragm Pump ^(43 23 78 31)

43 23 78 31-0002 EA 28 GPH Diaphragm Pump, Adjustable Flow 0-100% 250 PSI 2,540.02

43 24 Suspended Liquid Pumps ^(43 20)

43 24 41 Archimedes Screw Pumps ^(43 24)

43 24 41 23 Positive-Displacement Inclined Closed-casing Archimedes Screw-type Pumps ^(43 24 41)

43 24 41 23-0001 Positive Displacement Pump ^(43 24 41 23)

43 24 41 23-0002 EA 25 GPH Positive Displacement Pump, Adjustable Flow 0-100% 200 PSI Neoprene Packing..... 2,110.98

43 40 Gas and Liquid Storage ⁽⁴³⁾

43 41 Non-pressurized Tanks And Vessels ^(43 40)

43 41 31 Metallic Specialty Tanks ^(43 41)

43 41 31 00-0001 L.P.G. Tanks With Regulator And Safety Controls ^(43 41 31)

43 41 31 00-0002	EA	250 Gallon LP Gas Storage Tank	1,902.26	64.10
43 41 31 00-0003	EA	500 Gallon LP Gas Storage Tank	2,584.98	76.93
43 41 31 00-0004	EA	1,000 Gallon LP Gas Storage Tank	4,476.67	89.74

END OF SECTION 43

43 Process Gas and Liquid Handling, Purification, and Storage Equipment

43 40 Gas and Liquid Storage

43 41 Non-pressurized Tanks And Vessels

MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

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